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ARCHIVAL COLLECTION

INDEX-CATALOGUE

OF THE

LIBRARY OF THE SURGEON GENERAL'S OFFICE

UNITED STATES ARMY

(ARMED FORCES MEDICAL LIBRARY)

AUTHORS AND SUBJECTS

FOURTH SERIES

VOL. XI

MH—MN

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LETTER OF TRANSMITTAL

Armed Forces Medical Library,
21 July, 1955.

Major General Silas B. Hays,
The Surgeon General, United States Army.

General:

I have the honor to transmit herewith the Eleventh Volume of the Fourth Series of the Index-Catalogue of the Library of the Surgeon General's Office.

This is the fifty-eighth volume of the publication, begun under the direction of Dr. John Shaw Billings in 1880; it is the last volume to be issued in the traditional format. Following this, the Library plans to issue a five- or six-volume Supplementary Series of the Index-Catalogue, greatly modified as to form and content; in this work we are currently engaged. When the Supplementary Series is eventually completed, sometime within the next decade, the Index-Catalogue will be at an end.

The reasons for closing out this great medical bibliography have been described in detail in an article published in Texas Reports on Biology and Medicine (8:271–300 [1950]). It is perhaps well to repeat the main argument here.

In 1921, when the Third Series was underway, Gen. Robert E. Noble, then Librarian, proposed changing the method of publishing the Index-Catalogue, to provide for an annual volume, complete in itself for a given time span, rather than for extended serial publication requiring a twenty-year cycle for completion of any one Series. General Noble was alarmed at the ever-increasing gulf between the number of items indexed and the number of items published; even in his day the unpublished backlog consisted of over 1,000,000 items.

In 1926, Col. James M. Phalen, then Librarian, announced that beginning with Volume VI of the Third Series, subject entries for periodical articles would be made only for material which had appeared before that date. This policy was reversed beginning with the publication of the first volume of the Fourth Series in 1936.

In 1938 Col. Harold W. Jones, then Librarian, attempting to find a solution to this problem of accumulated unpublished references, proposed the regular annual publication of alphabetical volumes, and this policy was followed until 1943. In 1944 Colonel Jones called a conference of consultants, which considered the possibility of adopting a 12-year cycle for each alphabetical series. Concurrently, the Library was surveyed by a special committee of the American Library Association; the report of this committee contained a number of suggestions for the future of the Index-Catalogue.

In 1947 Col. Joseph H. McNinch, then Director, recommended that an advisory committee of consultants on the indexes published by the Army Medical Library be appointed; this Committee came into being in the summer of 1948. Its membership was carefully selected to represent the best thought available on medical bibliography. Over a period of three and a half years, first under the chairmanship of Dr. Lewis H. Weed, and later under the chairmanship of Dr. Chauncey D. Leake, the Committee held twelve meetings in which it systematically explored the questions of use of and

need for medical indexes, and of techniques, including new machine methods, which might be employed in constructing them. During the life of the Committee, a special research project was undertaken at Johns Hopkins University by Dr. Sanford V. Larkey, who also served as a member of the Committee; the studies of the research project were available to the Committee for its deliberation.

The Committee learned that the unpublished file of cards totalled 1,750,000; and that the file was increasing at a rate of better than 200,000 cards per year. Publication was progressing at the rate of one volume of 80,000 references every three years. Considering that by 1950 a total of 2,865,000 references had already been published in the four series of the Index-Catalogue, and projecting the rates of indexing and publishing beyond that time, it was apparent that if the Index-Catalogue were to continue in its present form, by the year 1958 the total number of items published would be 3,105,000, whereas the total number of items in the unpublished backlog by 1958 would be 3,150,000. In other words, by 1958 the Index-Catalogue would be withholding from publication more information than it had been able to publish in the 78 years from 1880 to 1958. Thereafter, even if annual volumes of 80,000 references could be published, an annual publishing deficit of 120,000 items would be incurred, swelling the gigantic backlog.

The Committee recommended that the Index-Catalogue be brought to a close with the volume then in preparation (the present volume); that selected monographic material from the backlog (the Supplementary Series) be published, and that the Library continue to develop an indexing program of its current receipts of current material.

In response to the last charge, the Library rehabilitated its monthly Current List of Medical Literature, in which since 1950 it has indexed the current significant periodical literature of medicine at a consistent rate of 100,000 items annually, with semi-annual cumulations of subject and author indexes. In addition, the Library has published an annual Catalog, containing author and subject entries for all monographic items processed in the Library during the year; it is to be noted that the first five-year cumulation of the Catalog has been published this year.

The basic concept of our program is that the four series of the Index-Catalogue, along with the Supplementary Series to be published, constitute the subject key to our holdings up to 1950; beginning in 1950 and thenceforth, the Catalog and the Current List fulfill our obligations in this area.

This present volume of the Index-Catalogue illustrates well both the great virtues and the great defects of the old system. The virtues hinge on the tremendous panorama of medicine which is disclosed; the defects revolve around a catchword style of subject entry almost inescapably inherent in the old plan, limiting complex material to entry under a single subject, and especially the time lag of decades between appearances of volumes containing material under the same letter. These aspects are most striking in the Military Section, where a complete alphabetical range is displayed within a single volume, rather than in a single series.

Four men have edited the Index-Catalogue throughout its existence—Fletcher, Garrison, Alleman and, for the Fourth Series, Claudius F. Mayer. Dr. Mayer left the Library staff in September 1954; at the time of his departure all material included in this volume was already in the hands of the printer.

The box-score for the Index-Catalogue over the years is indicated in the following tabulation:

	Author titles	Subject titles	
		Books and pamphlets	Journal articles
First series (v.1–16, 1880–95)	176,364	168,537	511,112
Second series (v.1–21, 1896–1916)	169,182	136,405	645,557
Third series (v.1–10, 1918–32)	88,876	57,034	603,600
Fourth series (v.1–11, 1936–55):			
Volume One (A) 1936	2,779	4,454	71,168
Volume Two (B) 1937	8,892	3,631	79,874
Volume Three (C) 1938	4,281	4,302	77,479
Volume Four (D) 1939	3,798	4,375	55,950
Volume Five (E, F) 1940	5,499	5,630	88,048
Volume Six (G) 1941	5,836	3,125	58,871
Volume Seven (H) 1942	6,443	6,542	60,502
Volume Eight (I, J) 1943	2,928	3,616	51,319
Volume Nine (K, L) 1945	10,462	3,967	91,337
Volume Ten (M_1) 1948	7,214	5,890	62,876
Volume Eleven (M_2) 1955	2,012	10,801	98,343
Total for Fourth series	60,144	56,533	795,767
Grand total	494,566	418,309	2,556,036

The 3,000,000 subject references in the 58 volumes of the Index-Catalogue (volumes found on medical library shelves throughout the world) constitute a permanent body of reference covering publications of the 15th to the 20th century. The continuing usefulness of this material is assured. The Armed Forces Medical Library now turns its attention to the more pressing tasks of providing bibliographic keys to the current literature of medicine which will appear promptly, will be reasonably comprehensive in scope, and will be as convenient to use as our ingenuity can devise, or as time and money limitations may dictate.

FRANK B. ROGERS,
Lieutenant Colonel, Medical Corps, United States Army
The Director, Armed Forces Medical Library

SUPPLEMENTARY

LIST OF ABBREVIATIONS

FOR

SERIAL PUBLICATIONS

USED IN THE

FOURTH SERIES

OF THE

INDEX-CATALOGUE*

A

Årsber. Akad. sjukhus. Uppsala	1. Årsberättelse från Kungl. Akademiska sjukhuset i Uppsala. Stockholm, &c.
Årsber. Provläk. Göteborg	2. Årsberättelse från förste Provinsialläkaren i Göteborgs och Bohus län. Göteborg.
Årsber. Provläk. Kronoberg	3. Årsberättelse från förste Provinsialläkaren i Kronobergs län. Växjö.
Årsber. Provläk. Västmanland	4. Årsberättelse från förste Provinsialläkaren i Västmanlands län. Köping.
Aarsber. Retslaegeraad., Kbh.	5. Aarsberetning; Retslaegeraadets. København.
Årsb. Göteborgs tandläk. sällsk.	6. Årsbok; Göteborgs tandläkare-sallskap. Göteborg.
ABC Rep., Wash.	7. A[ccident]B[oards &]C[ommissions] reporter. Washington.
Aberdeen M. Mag.	8. Aberdeen medical magazine. Aberdeen.
Abh. Gesch. Med. & Naturwiss.	9. Abhandlungen zur Geschichte der Medizin und der Naturwissenschaften. Berlin.
Abh. Naturhist. Ges. Nürnberg	10. Abhandlungen der Naturhistorischen Gesellschaft zu Nürnberg. Nürnberg.
Abh. Physiol. inst. Freiburg	11. Abhandlung aus dem Physiologischen Institut Freiburg im Breisgau. Freiburg im Breisgau.
Abstr. Alabama Acad. Sc.	12. Abstracts; Alabama Academy of Science. Birmingham.
Abstr. Bk Internat. Congr. Genet.	13. Abstract book; International Congress of Genetics. Stockholm.
Abstr. Bull. Insect Control Com.	14. Abstract bulletin of the Insect Control Committee, National Research Council. Washington.
Abstr. Congr. internac. lepra	15. Abstracts; Congreso internacional de la lepra. La Habana.
Abstr. Curr. Inform. Insect Control	16. Abstracts of current information on insect and rodent control. Washington.
Abstr. Declass. Docum., Oak Ridge	17. Abstracts of declassified documents. Oak Ridge, Tenn.
Abstr. Papers Am. Chem. Soc.	18. Abstracts of papers; American Chemical Society. Washington, &c.
Abstr. Papers N. York Ass. Pub. Health Laborat.	19. Abstracts of papers and summaries of discussions; New York State Association of Public Health Laboratories. Albany.
Abstr. Papers School Health Off. Kansas	20. Abstract of papers; School for Health Officers and Public Health Nurses, Kansas. Topeka.

* This list forms a supplement to the List of Abbreviations published in Series 4, Volume 10.

Abstr. Proc. Am. Soc. Clin. Invest.	21. Abstract of the proceedings of the annual meeting; American Society for Clinical Investigation. [n. p.]
Abstr. Theses Cornell Univ.	22. Abstracts of theses; Cornell University. Ithaca.
Academy Bookman, N. Y.	23. Academy (The) bookman. New York.
Acción farm., B. Air.	24. Acción farmacéutica. Buenos Aires.
ACHA News, Chic.	25. A[merican]C[ollege of]H[ospital]A[dministrators] news. Chicago.
Acquis. méd. réc., Par.	26. Acquisitions (Les) médicales récentes. Paris.
Acta allerg., Kbh.	27. Acta allergologica, København.
Acta cancr., Budap.	28. Acta cancrologica. Budapest.
Acta cancr. jugosl.	29. Acta cancrologica Jugoslavica. Beograd.
Acta chem. scand.	30. Acta chemica Scandinavica. København.
Acta chir. patav.	31. Acta chirurgica Patavina. Padova.
Acta endocr., Kbh.	32. Acta endocrinologica. København.
Acta genet., Basel	33. Acta genetica et statistica medica. Basel.
Acta gnath., Kbh.	34. Acta gnathologica. København.
Acta haemat., Basel	35. Acta haematologica. Basel.
Acta haemat. jap.	36. Acta haematologica Japonica. Nagoya.
Acta hist. sc. natur. med., Kbh.	37. Acta historica scientiarum naturalium et medicinalium. København.
Acta Inst. anat. univ., Helsin.	38. Acta Instituti anatomici universitatis. Helsinki.
Acta Inst. zool. Univ. athen.	39. Acta Instituti et musei zoologici Universitatis Atheniensis. Athenai.
Acta jap. med. trop.	40. Acta Japonica medicinae tropicalis. Taihoku, Formosa.
Acta med., Hukuoka	41. Acta medica. Hukuoka.
Acta méd. hidalg.	42. Acta médica hidalguense. Pachuca.
Acta med. hokkaidon.	43. Acta medica Hokkaidonensia. Sapporo.
Acta med. ital.	44. Acta medica Italica. Milano.
Acta med. iugosl.	45. Acta medica Iugoslavica. Zagreb.
Acta med. leg. social., Brux.	46. Acta medicinae legalis et socialis. Bruxelles, &c.
Acta med. patav.	47. Acta medica Patavina. Padova.
Acta med. turc.	48. Acta medica Turcica. Ankara.
Acta neur., Nap.	49. Acta neurologica. Napoli.
Acta neur. psychiat. belg.	50. Acta neurologica et psychiatrica Belgica. Bruxelles.
Acta nippon. med. trop.	51. Acta Nipponica medicinae tropicalis. Taihoku, Formosa.
Acta otolar. orient., Tel Aviv	52. Acta oto-laryngologica orientalia. Tel Aviv, &c.
Acta otorhinolar., Brux.	53. Acta oto-rhino-laryngologica Belgica. Bruxelles.
Acta paediat. belg.	54. Acta paediatrica Belgica. Bruxelles.
Acta paediat. lat., Parma	55. Acta paediatrica Latina. Parma.
Acta pediát. españ.	56. Acta pediátrica española. Madrid.
Actas Ciba, B. Air.	57. Actas Ciba. Buenos Aires.
Actas Conf. asist. social lepra, B. Air.	58. [Actas]; Conferencia de asistencia social de la lepra. Buenos Aires.
Actas Conf. salub. púb. (Panamá)	59. [Actas]; Conferencia de salubridad pública y asistencia social (Republica de Panamá) Panamá.
Actas Congr. Confed. soc. sudamer. pediat.	60. [Actas] Congreso de la Confederación de sociedades sudamericanas de pediatría. Santiago de Chile.
Actas Congr. méd. lat. amer.	61. Actas y trabajos; Congreso médico latino americano. Lima, &c.
Actas Congr. nac. med. trabajo	62. [Actas]; Congreso nacional de medicina y seguridad del trabajo. Madrid.
Acta serol., Tokyo	63. Acta serologica et immunologica. Tokyo.
Acta ses. púb. Acad. med. cir. Barcelona	64. Acta de la sesión pública inaugural; Academia de medicina y cirugía de Barcelona. Barcelona.
Actas ginecotoc., Montev.	65. Actas ginecotocológicas. Montevideo.
Actas Inst. policlín., Barcel.	66. Actas de las reuniones científicas del Cuerpo facultativo del Instituto policlínico. Barcelona.
Actas Jornada san. (Chile)	67. Actas y trabajos de la Jornada sanitaria (Chile) Santiago.
Actas Jornadas méd. quir. nac. (Bolivia)	68. Actas y trabajos; Jornadas médico-quirúrgicas nacionales (Bolivia) La Paz.
Actas Jornadas rioplat. obst. gin.	69. [Actas] Jornadas rioplatenses de obstetricia y ginecología [v. p.]
Actas lusoespañ. neur.	70. Actas luso-españolas de neurología y psiquiatría. Madrid.
Acta Soc. sc. fenn.	71. Acta Societatis scientiarum Fennicae. Helsinki.
Actas Soc. oft. hisp. amer.	72. Actas de la asamblea anual; Sociedad oftalmológica hispano-americana. Barcelona.
Acta tuberc. belg.	73. Acta tuberculosea Belgica. Bruxelles.
Acta Univ. hung. Franc. Joseph.	74. Acta litterarum ac scientiarum Reg. Universitatis hung. Francisco-Iosephinae. Budapest.
Acta urol., Budap.	75. Acta urologica. Budapest.
Acta vet. neerl.	76. Acta veterinaria Neerlandica. Utrecht.

Acta vitamin., Milano	77. Acta vitaminologica. Milano.
Actes Com. internat. biblioth.	78. Actes du Comité international des bibliothèques. Uppsala, &c.
Actes Congr. internat. anthrop.	79. [Actes du congrès]; Congrès international d'anthropologie & d'archéologie préhistorique. Paris.
Actes Congr. pénit. internat.	80. Actes du Congrès pénitentiaire international. Groningen.
Actes Inst. internat. anthrop.	81. [Actes]; Institut international d'anthropologie. Paris.
Activit. Bull. Ohio River Pollut. Surv.	82. Activities bulletin; Ohio River Pollution Survey. Cincinnati.
Activit. Commun. Dis. Center, Atlanta	83. Activities; Communicable Disease Center. Atlanta.
Activité sc. méd.	84. Activité (L') scientifique et médicale. Paris.
Activit. Rep. U. S. Quartermast. Food & Cont. Inst.	85. Activities report of the [U. S.] Quartermaster Food and Container Institute for the Armed Forces. Chicago.
Actual. biochim., Liége	86. Actualités biochimiques. Liége.
Actual. biol. Inst. Rocha Cabral	87. Actualidades biológicas; conferências realizadas no Instituto Rocha Cabral. Lisboa.
Actual. derm. vénér.	88. Actualité (L') dermato-vénéréologique. Paris.
Actual. méd., Brux.	89. Actualités médicales. Bruxelles.
Actual. méd. mund., B. Air.	90. Actualidad médica mundial. Buenos Aires.
Actual. odontostomat., Par.	91. Actualités odonto-stomatologiques. Paris.
Actual. otorhinolar., Par.	92. Actualités oto-rhino-laryngologiques. Paris.
Actual. util. méd., Lisb.	93. Actualidades e utilidades médicas. Lisboa.
Acuff Clin. Bull.	94. Acuff Clinic bulletin. Knoxville.
ADA Forecast, Brooklyn	95. A[merican]D[iabetes]A[ssociation] forecast. Brooklyn.
ADTIC Digest, Eglin Field	96. A[rctic]D[esert &]T[ropic]I[nformation]C[enter] digest. Eglin Field, Fla.
Advance. Biol. M. Physics	97. Advances in biological and medical physics. New York.
Advance. Enzymol., N. Y.	98. Advances in enzymology and related subjects of biochemistry. New York.
Advance. Food Res.	99. Advances in food research. New York.
Advance. Genet.	100. Advances in genetics. New York.
Advance. Surg.	101. Advances in surgery. New York.
Aerztebl. Bayern	102. Aerzteblatt für Bayern. München.
Aerztebl. Berlin	103. Aerzteblatt für Berlin. Berlin.
Aerztebl. Sachsen	104. Aerzteblatt für Sachsen, Prov. Sachsen, Anhalt und Thüringen. Dresden.
Aerztl. Forsch.	105. Aerztliche Forschung. Bad Wörishofen.
Aerztl. Mhefte, Berne	106. Aerztliche Monatshefte für berufliche Fortbildung. Berne, &c.
Aerztl. Monogr.	107. Aerztliche Monographien. Würzburg.
Aerztl. Nachr., Aussig	108. Aerztliche Nachrichten. Aussig.
Aerztl. Sammelbl.	109. Aerztliche Sammelblätter. Stuttgart.
Aerztl. Wegweiser	110. Aerztlicher Wegweiser. Berlin.
Aesculapiad, Bost.	111. Aesculapiad (The) [Harvard Medical School] Boston.
Aesculapian, Chic.	112. Aesculapian (The) Chicago.
Afkomst & toekomst	113. Afkomst en toekomst. 's Gravenhage.
Africa méd., Lisb.	114. Africa médica. Lisboa.
Agfa Röntgenbl.	115. Agfa Röntgenblätter. Berlin.
Agra M. Coll. J.	116. Agra Medical College journal. Agra, India.
Air M. News Lett., Lond.	117. Air medical news letter. London.
Aiti igakkai zassi	118. Aiti igakkai zassi. Nagoya.
Aix les Bains méd.	119. Aix-les-Bains médical. Lyon.
Akad. zahnärztl. Fortbild.	120. Akademie für zahnärztliche Fortbildung. Berlin.
Akarui boeki	121. Akarui bōeki. Shizuoka.
Alabama Cancer Bull.	122. Alabama (The) cancer bulletin. Montgomery.
Alameda Co. Pub. Health News	123. Alameda County public health news. Oakland, Calif.
Alberta M. Bull.	124. Alberta (The) medical bulletin. Calgary.
Alberta Pub. Health Bull.	125. Alberta public health bulletin. Edmonton.
Alexian, Chic.	126. Alexian (The) Chicago.
Alkoholfrage, Schwarzenb.	127. Alkoholfrage (Die) Schwarzenburg.
Allg. Offertbl. Krankenhausb.	128. Allgemeines Offertenblatt für Krankenhausbedarf. Berlin.
Allg. path. Schr.	129. Allgemeinpathologische Schriftenreihe. Stuttgart.
Almanach Internat. Psychoanal. Verl., Wien	130. Almanach für das Jahr; Internationaler Psychoanalytischer Verlag. Wien.
Alman. lázní	131. Almanach lázní Československé Republiky. Praha.
Alman. salud, B. Air.	132. Almanaque de la salud. Buenos Aires.
Alpenpost, Glarus	133. Alpenpost (Die) Glarus, &c.
Alumnae Bull. Yale School Nurs.	134. Alumnae bulletin; Yale University School of Nursing. New Haven.
Alumnae News N. York Hosp. School Nurs.	135. Alumnae news; Cornell University-New York Hospital School of Nursing Alumnae Association. New York.

Alumni Bull. Albany M. Coll.
Alumni Bull. Coll. Dent. Univ. Illinois

Alumni Bull. (School Med.) Clevel.

Ambix, Lond.
Am. Heart
AMI, Barcel.
Am. J. Human Genet.

Am. J. Occup. Ther.

Am. J. Physics
Am. M. Practitioner
Am. OSE Rev.

Am. Podiatrist
Am. Practitioner

Am. Prosthet.
Amtl. Mitt. Landesversicher. Anst. Rheinprovinz
Amtl. Nachr. Reichsversicher.

An. Acad. deont., Madr.
An. Acad. farm., Madr.
An. Acad. med. cir. Barcelona

Anaesthesia, Lond.
An. As. españ. progr. cienc.

An. Ass. quím. Brasil

An. Ateneo clín. quir., Montev.
An. Ateneo méd. leon.

An. Azevedos
An. Cáted. clín. méd. Mazzei

An. cient., S. Paulo
An. Clín. gin., S. Paulo

An. Clín. méd. A, Montev.
An. Clín. pat. quir., Barcel.

An. Colônia G. Riedel, Rio
An. Congr. brasil. ortop.

An. Congr. brasil. urol.

An. Congr. nac. saúde escol., S. Paulo

An. Conv. méd. indust., B. Air.

An. enferm., S. Paulo
An. Esc. med., Méx.

Anex. Mem. Min. trab. Colombia

An. Fac. ciênc. Porto
An. Fac. farm. odont. Univ. S. Paulo

An. Fac. farm. Pôrto
An. Fac. med. Bahia
An. Fac. odont. Univ. nac., Asunción

An. farm. bioquím., Bogotá
Angiología, Barcel.
Angiology, Balt.
Anglo-French Med. Topics, N. Y.
An. hig. escol., Méx.
An. Hosp. niños, B. Air.
An. Hosp. niños Rosario

136. Alumni bulletin; Albany Medical College. Albany.
137. Alumni bulletin; College of Dentistry; University of Illinois. Chicago.
138. Alumni bulletin (School of Medicine, Western Reserve University) Cleveland.
139. Ambix. London.
140. American (The) heart. New York.
141. AMI [Ayuda médica extranjera] Barcelona.
142. American (The) journal of human genetics. Baltimore.
143. American (The) journal of occupational therapy. Boston.
144. American journal of physics. Lancaster.
145. American medical practitioner. New York.
146. American OSE review; American Committee for Protection of the Health of the Jews. New York.
147. American (The) podiatrist. New York.
148. American practitioner and Digest of treatment. Philadelphia.
149. American prosthetics. Kansas City, Mo.
150. Amtliche Mitteilungen der Landesversicherungsanstalt Rheinprovinz. Düsseldorf.
151. Amtliche Nachrichten für Reichsversicherung. Berlin.
152. Anales de la Academia deontológica. Madrid.
153. Anales de la Real Academia de farmacia. Madrid.
154. Anales; Academia de medicina y cirugía de Barcelona. Barcelona.
155. Anaesthesia. London.
156. Anales de la Asociación española para el progreso de las ciencias. Madrid.
157. Anais da Associação química do Brasil. Rio de Janeiro.
158. Anales del Ateneo de clínica quirúrgica. Montevideo.
159. Anales del Ateneo médico leonés de la Asociación de la prensa medica española. León.
160. Anais Azevedos. Lisboa.
161. Anales de la Cátedra de clínica médica del Dr. E. S. Mazzei. Buenos Aires.
162. Anais científicos. São Paulo.
163. Anais da Clínica ginecológica da Faculdade de medicina da Universidade de S. Paulo. São Paulo.
164. Anales de la Clínica médica A. Montevideo.
165. Anales de la Clínica de patología quirúrgica. Barcelona.
166. Anais da Colônia Gustavo Riedel. Rio de Janeiro.
167. Anais do Congresso brasileiro de ortopedia e traumatologia. [v. p.]
168. Anais do Congresso brasileiro de urologia. Rio de Janeiro.
169. Anais do Congresso nacional de saúde escolar. São Paulo.
170. Anales de la Convención de los médicos de la industria. Buenos Aires.
171. Anais de enfermagem. São Paulo.
172. Anales de la Escuela N[acional] de medicina; Universidad nacional de México. México.
173. Anexos a la Memoria del Ministro de trabajo, higiene y previsión social; República de Colombia. Bogotá.
174. Anais da Faculdade de ciências do Porto. Porto.
175. Anais da Faculdade de farmacia e odontologia da Universidade de São Paulo. São Paulo.
176. Anais da Faculdade de farmácia do Pôrto. Pôrto.
177. Anais da Faculdade de medicina da Bahia. Bahia:
178. Anales; Facultad de odontología; Universidad nacional. Asunción.
179. Anales de farmacia y bioquímica. Bogotá.
180. Angiología. Barcelona.
181. Angiology. Baltimore.
182. Anglo-French medical topics. New York.
183. Anales de higiene escolar. México.
184. Anales del Hospital de niños. Buenos Aires.
185. Anales del Hospital de niños e Instituto de puericultura de Rosario. Rosario.

An. Hosp. S. José (C. R.)	186. Anales del Hospital de San José. San José, Costa Rica.
An. Hosp. Varsovia, Toulouse.	187. Anales del Hospital Varsovia. Toulouse.
An. Inst. cirug. exp., Caracas	188. Anales del Instituto de cirugía experimental. Caracas.
An. Inst. hig. Montevideo	189. Anales del Instituto de higiene de Montevideo. Montevideo.
An. Inst. Llorente	190. Anales del Instituto Llorente. Madrid.
An. Inst. med. exp. Valencia	191. Anales del Instituto de medicina experimental de Valencia. Valencia.
An. Inst. mun. radiol., B. Air.	192. Anales del Instituto municipal de radiología y fisioterapia. Buenos Aires.
An. Inst. pat. digest. Hosp. Rawson, B. Air.	193. Anales del Instituto de patología digestiva y de la nutrición Francisco T. Olivera; Hospital Rawson. Buenos Aires.
An. Inst. pediat., B. Air.	194. Anales del Instituto de pediatría y puericultura de la Facultad de ciencias médicas. Buenos Aires.
An. Inst. pediat. Hosp. niños, B. Air.	195. Anales del Instituto de pediatría del Hospital de niños. Buenos Aires.
An. Inst. radioquir. Guipúzcoa	196. Anales del Instituto radio-quirúrgico de Guipúzcoa. San Sebastián.
An. Laborat. centr., Cochabamba	197. Anales del Laboratorio central. Cochabamba, Bolivia.
An. med. cir., Barcel.	198. Anales de medicina y cirugía. Barcelona.
An. méd. Concepción	199. Anales médicos de Concepción. Concepción, Chile.
An. med. leg., Barcel.	200. Anales de medicina legal, psiquiatría y anatomía patológica. Barcelona.
An. med. púb., Santa Fe	201. Anales de medicina pública. Santa Fe.
An. med. Sta Maria (Brazil)	202. Anais de medicina de Santa Maria. Santa Maria, Brazil.
Ann. Acad. med. Rio	203. Annaes da Academia de medicina do Rio de Janeiro. Rio de Janeiro.
Ann. Acad. sc. fenn.	204. Annales Academiae scientiarum Fennicae. Helsinki.
Ann. ACFAS, Montreal	205. Annales de l'A[ssociation]C[anadienne-]F[rançaise pour l']A[vancement des]S[ciences] Montreal.
Ann. belg. méd. mil.	206. Annales belges de médecine militaire. Liège.
Ann. belg. stomat.	207. Annales belges de stomatologie. Bruxelles.
Ann. brasil. derm. syph.	208. Annaes brasileiros de dermatologia e syphilographia. Rio de Janeiro.
Ann. chim., Par.	209. Annales de chimie. Paris.
Ann. chir. gyn. fenn.	210. Annales chirurgiae et gynaecologiae Fenniae. Helsinki.
Ann. Clin laborat., Par.	211. Annals of the Clin laboratories. Paris.
Ann. Ecole sup. méd. pharm. Indochine	212. Annales de l'Ecole supérieure de médecine et de pharmacie de l'Indochine. Hanoï.
Année clin.	213. Année (L') clinique. Paris.
Année endocr.	214. Année (L') endocrinologique. Paris.
Année sc. indust., Par.	215. Année (L') scientifique et industrielle. Paris.
Ann. enf., Par.	216. Annales (Les) de l'enfance. Paris.
An. neuropsiq., Bogotá	217. Anales neuro-psiquiátricos del Frenocomio de mujeres de Bogotá. Bogotá.
Ann. Fac. fr. méd. pharm. Beyrouth	218. Annales de la Faculté française de médecine et de pharmacie de Beyrouth. Beirut.
Ann. Fac. med. Paraná	219. Annaes da Faculdade de medicina do Paraná. Curitiba.
Ann. Hosp. S. Creu, Barcel.	220. Annals de l'Hospital de la Santa Creu i Sant Pau. Barcelona.
Ann. Inst. obst. gyn., Helsin.	221. Annales Instituti obstetricii et gynecologici Universitatis. Helsinki.
Ann. Inst. Pasteur Lille	222. Annales de l'Institut Pasteur de Lille. Paris.
Ann. ital. derm.	223. Annali italiani di dermatologia e sifilografia. Napoli.
Ann. med. exp. biol. fenn.	224. Annales medicinae experimentalis et biologiae Fenniae. Helsinki.
Ann. med. int. fenn.	225. Annales medicinae internae Fenniae. Helsinki.
Ann. méd. sociale	226. Annales (Les) de médecine sociale. Lyon, &c.
Ann. méd. Vittel	227. Annales médicales de Vittel. Saint-Dizier.
Ann. Merck, Milano	228. Annali Merck. Milano.
Ann. nutrit., Par.	229. Annales de la nutrition et de l'alimentation. Paris.
Ann. Orgone Inst.	230. Annals of the Orgone Institute. New York.
Ann. pédol., Brux.	231. Annales (Les) pédologiques. Bruxelles.
Ann. pharm. belg.	232. Annales pharmaceutiques belges. Bruxelles.
Ann. R. Coll. Surgeons England	233. Annals of the Royal College of Surgeons of England. London.
Ann. san. pubb., Roma	234. Annali della sanità pubblica. Roma.

Ann. Soc. biol. Pernambuco	235. Annaes da Sociedade de biologia de Pernambuco. Recife.
Ann. Soc. pharm. chim. S. Paulo	236. Annaes da Sociedade de pharmacia e chimica de São Paulo. São Paulo.
Ann. statist., Roma	237. Annali di statistica. Roma.
Annuaire stat. hydromin. &c. France	238. Annuaire des stations hydrominérales climatiques et balnéaires de France. Paris.
Annual Health Rep. Co. M. Off. Hampshire	239. Annual health report of the County Medical Officer, Hampshire County. Southend-on-Sea.
Annual Meet. Am. Ass. Health Phys. Educ.	240. Annual meeting; American Association for Health and Physical Education. Washington.
Annual Meet. Ass. Surgeon South. Railw. Co.	241. Annual meeting of the Association of Surgeons of the Southern Railway Company. New York.
Annual Meet. Com. Aviat. Psychol. U. S. Nat. Res. Counc.	242. Annual meeting of Committee on Aviation Psychology [U. S.] National Research Council. Washington.
Annual Meet. N. England Hosp. Ass.	243. Annual meeting; New England Hospital Association. Boston.
Annual Meet. Philippine Coll. Surgeons	244. Annual meeting [Program and abstracts] Philippine College of Surgeons. Manila.
Annual M. Rep. Basutoland	245. Annual medical and public health report; Medical Department, Basutoland. Morija.
Annual M. Rep. Chicago Tuberc. Inst.	246. Annual medical report of the Chicago Tuberculosis Institute. Chicago.
Annual M. San. Rep. Cyprus	247. Annual medical & sanitary report; Director of Medical and Health Services; Cyprus. Nicosia.
Annual Rep. Admin. South Sea Islands	248. Annual report to the League of Nations on the administration of the South Sea Islands under Japanese mandate. Tokyo.
Annual Rep. Alberta Hosp.	249. Annual report, Alberta municipal hospitals; Department of Public Health. Edmonton, Can.
Annual Rep. Am. Acad. Orthop. Surgeons	250. Annual report; American Academy of Orthopaedic Surgeons [Chicago?]
Annual Rep. Armored M. Res. Laborat.	251. Annual historical report; Armored Medical Research Laboratory. Fort Knox, Ky.
Annual Rep. Bact. Laborat. Kenya	252. Annual report of the Bacteriological Laboratory; Kenya. Nairobi, &c.
Annual Rep. Baruch Com. Phys. M.	253. Annual report; Baruch Committee on Physical Medicine. New York.
Annual Rep. Bd Health Florida	254. Annual report; State Board of Health, Florida. Jacksonville.
Annual Rep. Bd Health Georgia	255. Annual report of the State Board of Health of the Commonwealth of Georgia. Atlanta.
Annual Rep. Bd Health Indiana	256. Annual report of the State Board of Health of Indiana. Indianapolis.
Annual Rep. Bd Health S. Carolina	257. Annual report; State Board of Health, South Carolina. Columbia.
Annual Rep. Bd M. Exam. California	258. Annual report; Board of Medical Examiners of the State of California. Sacramento.
Annual Rep. Bilharzia Snail Destr. Sect. Min. Pub. Health Egypt	259. Annual report; Bilharzia Snail Destruction Section, Ministry of Public Health Egypt. Cairo.
Annual Rep. Broome Co. Tuberc. Hosp.	260. Annual report of the Broome County Tuberculosis Hospital. Chenango Bridge, N. Y.
Annual Rep. Bur. Health Philippine Islands	261. Annual report of the Bureau of Health, Philippine Islands. Manila.
Annual Rep. Bush Nurs. Ass.	262. Annual report; Bush Nursing Association, New South Wales. Sydney.
Annual Rep. Canad. Ass. Prev. Tuberc.	263. Annual report; Canadian Association for the Prevention of Tuberculosis. Toronto.
Annual Rep. Centr. Bd Health S. Australia	264. Annual report; Central Board of Health, South Australia. Adelaide.
Annual Rep. Centr. Coop. Antimalaria Soc., Calc.	265. Annual report of the Central Co-operative Antimalaria Society. Calcutta.
Annual Rep. Centr. Maine Gen. Hosp., Lewist.	266. Annual report; Central Maine General Hospital. Lewiston.
Annual Rep. Centr. Res. Inst. Kasauli	267. Annual report of the Central Research Institute, Kasauli. Delhi.
Annual Rep. Centr. State Hosp., Indianap.	268. Annual report; Central State Hospital. Indianapolis, Ind.
Annual Rep. Chicago Mat. Center	269. Annual report; Chicago Maternity Center. Chicago.
Annual Rep. Chief M. Off. Bd Educ. Gr. Britain	270. Annual report of the Chief Medical Officer of the Board of Education; Great Britain. London.
Annual Rep. Coll. Pharm. Soc. Gr. Britain	271. Annual report of research; College of the Pharmaceutical Society of Great Britain, University of London. London.

Annual Rep. Com. Acute Resp. Dis. U. S. Army	272. Annual report; Commission on Acute Respiratory Diseases (U. S. Army Epidemiological Board) Washington.
Annual Rep. Com. Epidem. Surv. U. S. Army	273. Annual report; Commission on Epidemiological Survey; U. S. Army Epidemiological Board. Washington.
Annual Rep. Com. Growth (Nat. Res. Counc.)	274. Annual report; Committee on Growth (National Research Council) Washington.
Annual Rep. Com. Immuniz. U. S. Army	275. Annual report of the Commission on Immunization; U. S. Army Epidemiological Board. Washington.
Annual Rep. Com. Liver Dis. Army Epidem. Bd	276. Annual report of the Commission on Liver Disease of the Army Epidemiological Board. Washington.
Annual Rep. Com. Mening. U. S. Army	277. Annual report; Commission on Meningococcal Meningitis [U. S.] Army Epidemiological Board. Washington.
Annual Rep. Com. Neurotr. Virus Dis. U. S. Army	278. Annual report of the Commission on Neurotropic Virus Diseases of the [U. S.] Army Epidemiological Board. Washington.
Annual Rep. Co. M. Off. West Riding	279. Annual report of the County Medical Officer; County Council of the West Riding of Yorkshire. Yorkshire.
Annual Rep. Com. Virus Dis. U. S. Army	280. Annual report of the Commission on Virus and Rickettsial Diseases [U. S.] Army Epidemiological Board. Washington.
Annual Rep. Dep. Health Alabama	281. Annual report; State Department of Health, Alabama. Montgomery.
Annual Rep. Dep. Health Baltimore	282. Annual report; Department of Health, Baltimore. Baltimore.
Annual Rep. Dep. Health N. Jersey	283. Annual report of the Department of Health of the State of New Jersey. Trenton.
Annual Rep. Dep. Ment. Hyg. N. York	284. Annual report; Department of Mental Hygiene, State of New York. Albany.
Annual Rep. Dep. Pub. Health Illinois	285. Annual report; Department of Public Health, Illinois. Springfield.
Annual Rep. Dep. School Hyg. Milwaukee	286. Annual report of the Department of School Hygiene of the Board of School Directors of the City of Milwaukee. Milwaukee.
Annual Rep. Dep. Vet. Sc. Tanganyika	287. Annual report of the Department of Veterinary Science and Animal Husbandry; Tanganyika Territory. Dar es Salaam.
Annual Rep. Div. Vener. Dis. Brit. Columbia	288. Annual report; Division of Venereal Disease Control; Department of Health and Welfare; Province of British Columbia. Victoria.
Annual Rep. Duval Co. Welf. Bd	289. Annual report; Duval County Welfare Board. Jacksonville.
Annual Rep. Food & Drug Com. Missouri	290. Annual report of the Food and Drug Commissioner; State of Missouri. Jefferson City.
Annual Rep. Georgia Bd Health	291. Annual report of the Georgia State Board of Health. Atlanta.
Annual Rep. Glasgow Cancer Hosp.	292. Annual report; Glasgow Royal Cancer Hospital. Glasgow.
Annual Rep. Gorgas Mem. Laborat.	293. Annual report of the Gorgas Memorial Laboratory, Panama. Washington.
Annual Rep. Haffkine Inst.	294. Annual report of the Haffkine Institute. Bombay.
Annual Rep. Health Cheltenham	295. Annual report on the health of Cheltenham; Medical Officer of Health. Cheltenham.
Annual Rep. Health Com., S. Louis	296. Annual report of the Health Commissioner. St. Louis, Mo.
Annual Rep. Health Dep. North. Rhodesia	297. Annual report; Health Department; Northern Rhodesia. Lusaka.
Annual Rep. Health Leicester	298. Annual report upon the health of Leicester. Leicester, Engl.
Annual Rep. Hosp. Sect. Duke Endow.	299. Annual report; Hospital Section; Duke Endowment. Charlotte, N. C.
Annual Rep. Indiana Counc. Ment. Health	300. Annual report of the Indiana Council for Mental Health. Indianapolis.
Annual Rep. Internat. Ass. Milk San.	301. Annual report of the International Association of Milk Sanitarians. Albany.
Annual Rep. Internat. Health Div. Rockefeller Found.	302. Annual report; International Health Division, Rockefeller Foundation. New York.
Annual Rep. Jamaica Yaws Com.	303. Annual report of the Jamaica Yaws Commission. Kingston.
Annual Rep. Kansas City Acad. M.	304. Annual report; Kansas City Academy of Medicine. Kansas City, Mo.
Annual Rep. King Edward VII Welsh Nat. Mem. Ass.	305. Annual report; The King Edward VII Welsh National Memorial Association. Cardiff.

Annual Rep. Laborat. Serv. Uganda	306. Annual report of the Laboratory Services Division of the Medical Department; Uganda. Entebbe.
Annual Rep. League of Nat. Health Org. East. Bur.	307. Annual report; League of Nations Health Organisation Eastern Bureau. Singapore.
Annual Rep. Letchworth Village	308. Annual report; Letchworth Village. Albany, &c.
Annual Rep. Life Insur. M. Res. Fund	309. Annual report; Life Insurance Medical Research Fund. New York.
Annual Rep. Los Angeles Co. Health Dep.	310. Annual report; Los Angeles County Health Department. Los Angeles.
Annual Rep. Manhattan Eye &c. Hosp.	311. Annual report of the Manhattan Eye, Ear and Throat Hospital. New York.
Annual Rep. M. Dep. Field Res. Laborat., Fort Knox	312. Annual historical report; Medical Department Field Research Laboratory. Fort Knox, Ky.
Annual Rep. M. Dep. Hong Kong	313. Annual report of the Medical Department; Hong Kong Government. Hong Kong.
Annual Rep. M. Dep. Singapore	314. Annual report of the Medical Department; Colony of Singapore. Singapore.
Annual Rep. M. Dep. Tanganyika	315. Annual report; Medical Department, Tanganyika Territory. Dar es Salaam.
Annual Rep. Mellon Inst., Pittsb.	316. Annual report; Mellon Institute. Pittsburgh.
Annual Rep. Min. Pub. Health Egypt	317. Annual report on the work of the Ministry of Public Health. Cairo.
Annual Rep. M. Off. Health, Salford	318. Annual report of the Medical Officer of Health. Salford.
Annual Rep. M. Off. Health Holborn	319. Annual report of the Medical Officer of Health; the metropolitan borough of Holborn. London.
Annual Rep. M. Off. Health Krugersdorp	320. Annual report of the Medical Officer of Health; Krugersdorp. Krugersdorp, S. Afr.
Annual Rep. M. Off. Health Nottingham	321. Annual Report of the Medical Officer of Health, City of Nottingham. Nottingham, Engl.
Annual Rep. M. Off. Health Plymouth	322. Annual Report of the Medical Officer of Health, City of Plymouth. Plymouth, Engl.
Annual Rep. M. Off. Health Pretoria	323. Annual report of the Medical Officer of Health, Pretoria. Pretoria.
Annual Rep. M. Off. Health Southampton	324. Annual report; Medical Officer of Health; County Borough and Port of Southampton. Southampton.
Annual Rep. M. Off. Health Sunderland	325. Annual report of the Medical Officer of Health; County borough of Sunderland. Sunderland.
Annual Rep. M. Off. Health Swansea	326. Annual report; Medical Officer of Health, Swansea. Swansea.
Annual Rep. M. Off. Health Wallasey	327. Annual Report of the Medical Officer of Health and School Medical Officer, County Borough of Wallasey. Birkenhead.
Annual Rep. M. Off. Health Wrexham	328. Annual report of the Medical Officer of Health; Wrexham Rural District Council. Wrexham.
Annual Rep. Mosquito Contr. Serv. Brit. Guiana	329. Annual report; Mosquito Control Service; Medical Department; British Guiana. Georgetown.
Annual Rep. Nat. Vet. M. Ass. Gr. Britain	330. Annual report & balance sheet; National Veterinary Medical Association of Great Britain & Ireland. London.
Annual Rep. N. Hampshire Tuberc. Ass.	331. Annual report; New Hampshire Tuberculosis Association. Manchester.
Annual Rep. N. York Ass. Blind	332. Annual report; New York Association for the Blind. New York.
Annual Rep. N. York State Vet. Coll. Cornell Univ.	333. Annual report of the New York State Veterinary College at Cornell University [Albany?]
Annual Rep. Ophth. Sect. Kasr el-Aini Hosp.	334. Annual report of Ophthalmic Section; Kasr el-Aini Hospital. Cairo, Egypt.
Annual Rep. Pasteur Inst. South. India	335. Annual report of the Director; Pasteur Institute of Southern India. Coonoor.
Annual Rep. Progr. Chem., Lond.	336. Annual reports on the progress of chemistry. London.
Annual Rep. Pub. Health Dep. Edinburgh	337. Annual report of the Public Health Department, Edinburgh. Edinburgh.
Annual Rep. Red Cross S. John Nat. Coord. Com., Johannesb.	338. Annual report on the occupational therapy training scheme in the royal naval & imperial military hospitals in South Africa; Red Cross-St. John National Co-Ordinating Committee of South Africa. Johannesburg.
Annual Rep. R. Edinburgh Hosp. Ment. Nerv. Dis.	339. Annual report; Royal Edinburgh Hospital for Mental and Nervous Disorders. Edinburgh.
Annual Rep. Res. Inst. Tuberc. Kanazawa	340. Annual report of the Research Institute of Tuberculosis, Kanazawa Medical College. Kanazawa.
Annual Rep. Roswell Park Mem. Inst. (Buffalo)	341. Annual report of the Board of Visitors and Director; Roswell Park Memorial Institute (Buffalo) Buffalo, N. Y.
Annual Rep. R. Victoria Hosp., Belfast	342. Annual report; Royal Victoria Hospital. Belfast.

Annual Rep. Safety in Mines (Gr. Britain)	343. Annual report on safety in mines research (Great Britain. Ministry of Fuel and Power) London.
Annual Rep. S. Afr. Inst. M. Res.	344. Annual report; South African Institute for Medical Research. Johannesburg.
Annual Rep. S. Afr. Nat. Counc. Ment. Health	345. Annual report; South African National Council for Mental Health. Johannesburg.
Annual Rep. Saito Found., Sendai	346. Annual report of the work; Saito Gratitude Foundation. Sendai.
Annual Rep. School M. Off. Colchester	347. Annual report of the School Medical Officer; Borough of Colchester. Colchester.
Annual Rep. S. Elizabeth Hosp., Richmond	348. Annual report of St. Elizabeth's Hospital. Richmond.
Annual Rep. Smithson. Inst.	349. Annual report of the Board of Regents of the Smithsonian Institution. Washington.
Annual Rep. U. S. Farm Secur. Admin. M. Off.	350. Annual report; United States Farm Security Administration, Office of the Chief Medical Officer. Washington.
Annual Rep. Vet. Serv. Egypt	351. Annual report; Veterinary Service, Egypt. Cairo.
Annual Rep. Washington State Dep. Health	352. Annual report; Washington State Department of Health. Olympia.
Annual Rep. Westchester Co. Dep. Health	353. Annual report; Westchester County Department of Health. White Plains, N. Y.
Annual Rev. Microb.	354. Annual review of microbiology. Stanford, Calif.
Annual Sc. Award Cerem. Am. Pharm. Manufact. Ass.	355. Annual scientific award ceremony; American Pharmaceutical Manufacturers' Association. New York.
Annual Sc. Discov., Bost.	356. Annual of scientific discovery. Boston.
Annual Summaries Aeromed. Laborat. U. S. Air Forces	357. Annual summaries; university contracts with Aero Medical Laboratory, U. S. Air Forces. Dayton.
Annual Surv. Res. Pharm.	358. Annual survey of research in pharmacy. Baltimore.
Annual West. Br. Am. Pub. Health Ass.	359. Annual; Western Branch, American Public Health Association. San Francisco.
Annuario Esc. med. cir. Lisboa	360. Annuario; Escola medico-cirurgica de Lisboa. Lisboa.
Annuario statist. Genova	361. Annuario statistico di Genova. Genova.
Annuario Univ. Sassari	362. Annuario per gli anni accademici; Università degli studi di Sassari. Sassari.
Ann. Univ. Ferrara	363. Annali della Università di Ferrara. Ferrara.
Ann. Univ. Lille	364. Annales de l'Université de Lille. Lille.
Ann. Univ. Lublin	365. Annales Universitatis Mariae Curie-Skłodowska Lublin. Lublin.
An. oft., Asunción	366. Anales de oftalmología y oto-rino-laringología del Paraguay. Asunción.
Anot. méd., Habana	367. Anotaciones médicas. La Habana.
An. otorinolar., Recife	368. Anais de oto-rino-laringologia. Recife.
An. Policlín. enferm. infec., B. Air.	369. Anales de la Sala VIII Policlínica de enfermedades infecciosas; Hospital F. J. Muñiz. Buenos Aires.
An. Sec. urol. Hosp. Salvador, Santiago	370. Anales de la Sección de urología del Hospital del Salvador. Santiago de Chile.
An. Serv. ap. digest. Policlín. Córdoba	371. Anales del Servicio del aparato digestivo, nutrición y secreciones internas de la Policlínica municipal de Córdoba. Córdoba, Spain.
An. Serv. cirug. Hosp. Cosme Argerich, B. Air.	372. Anales del Servicio de cirugía; Hospital Cosme Argerich. Buenos Aires.
An. Serv. neur., Valencia	373. Anales del Servicio de neurología de Prof. J. J. Barcia Goyanes. Valencia.
An. Soc. biol. Pernambuco	374. Anais da Sociedade de biologia de Pernambuco. Recife.
An. Soc. farm. quím. S. Paulo	375. Anais da Sociedade de farmácia e química de São Paulo. São Paulo.
An. Soc. med. Porto Alegre	376. Anais da Sociedade de medicina de Porto Alegre. Porto Alegre.
Anthologica, Modena	377. Anthologica. Modena.
Antibiotiki, Moskva	378. Antibiotiki. Moskva.
Antifasc. Meet. Soviet Scientists	379. Anti-Fascist Meeting of Soviet Scientists. Moskva.
Antifash. mit. sovet. uchën.	380. Antifashistskii miting sovetskikh uchënykh. Moskva.
Antituberc. Bull., Manila	381. Anti-tuberculosis bulletin. Manila.
Anuario argent. med. cir. práct.	382. Anuario argentino de medicina y cirugía prácticas. Buenos Aires.
Anuario bibliogr. peru.	383. Anuario bibliográfico peruano. Lima.
Anuario bibliogr. venezol.	384. Anuario bibliográfico venezolano. Caracas.
Anuário Guiné port.	385. Anuário da Guiné portuguesa. Bissau.
Anuario méd. Perú	386. Anuario médico del Perú. Lima.
Anuario san. mun., Habana	387. Anuario de la sanidad municipal. La Habana.
An. Univ. centr. Ecuador	388. Anales; Universidad central del Ecuador. Quito.
An. Univ. Montevideo	389. Anales de la Universidad [de Montevideo] Montevideo.

Anya & csecsemövéd.	390. Anya-és csecsemővédelem. Budapest.
Apothekersblad, Brux.	391. Apothekersblad (Het) Bruxelles.
Apuntes cient., Cabimas	392. Apuntes científicos. Cabimas, Venezuela.
Arb. Anat. Inst. Univ. Kyoto	393. Arbeiten aus der dritten Abteilung des Anatomischen Institutes der Kaiserlichen Universität Kyoto. Kyoto.
Arb. Deut. psychiat. Univ. Klin. Prag	394. Arbeiten aus der Deutschen psychiatrischen Universitäts-Klinik in Prag. Berlin.
Arb. Fødeafd. Rigshosp., Kbh.	395. Arbejder fra Fødeafdeling A og Gynaekologisk afdeling; Rigshospitalet. København.
Arb. 1. Med. klin., Stockh.	396. Arbeten och småtryck från 1. Medicinska kliniken, Serafimerlasaret. Stockholm.
Arb. Jap. mil. ärztl. Lehranst., Tokyo	397. Arbeiten aus der K. Japanischen militär-ärztlichen Lehranstalt. Tokyo.
Arb. Ludwig Aschoff Haus, Freib.	398. Arbeiten aus dem Ludwig Aschoff-Haus. Freiburg im Breisgau.
Arb. Med. Fak. Okayama	399. Arbeiten; Medizinische Fakultät, Okayama. Okayama.
Arb. Med. Univ. Okayama	400. Arbeiten aus der Medizinischen Universität zu Okayama. Okayama.
Arb. Paul Ehrlich Inst. Frankfurt	401. Arbeiten aus dem Paul Ehrlich-Institut und dem Georg Speyer-Hause zu Frankfurt a. M. Jena.
Arb. Psychiat. Inst. Tohoku Univ.	402. Arbeiten aus dem Psychiatrischen Institut der Kaiserlichen Tohoku Universität zu Sendai. Beiträge zur Psychoanalyse [und Psychopathologie] Sendai. See Beitr. Psychoanal., Sendai.
Arb. Serobakt. Inst. Univ. Helsinki	403. Arbeiten aus dem Sero-Bakteriologischen Institut der Universität Helsinki. Helsinki.
Arb. Staat. Inst. exp. Ther.	404. Arbeiten aus dem Staatlichen Institut für experimentelle Therapie und dem Forschungsinstitut für Chemotherapie zu Frankfurt a. M. Jena.
Arch. alchem. Forsch.	405. Archiv für alchemistische Forschung. Berlin.
Arch. anat., Santiago (Sp.)	406. Archivos de anatomía. Santiago, Spain.
Arch. argent. kines.	407. Archivos argentinos de kinesiología. Buenos Aires.
Arch. argent. psicol. norm. pat.	408. Archivos argentinos de psicología normal y patológica, terapia neuro mental y ciencias afines. Buenos Aires.
Arch. belg. derm. syph.	409. Archives belges de dermatologie et de syphiligraphie. Bruxelles.
Arch. biol. hungar.	410. Archiva biologica Hungarica. Tihany.
Arch. boliv. med.	411. Archivos bolivianos de medicina. Sucre.
Arch. boliv. pediat.	412. Archivos bolivianos de pediatría y puericultura. La Paz.
Arch. Centre anticancér. Genève	413. Archives du Centre anticancéreux et du Radium institut de Genève. Genève.
Arch. chir., Budap.	414. Archivum chirurgicum. Budapest.
Arch. chir. inf., Roma	415. Archivio di chirurgia infantile. Roma.
Arch. chir. neerl.	416. Archivum chirurgicum Neerlandicum. Arnhem.
Arch. chir. torace	417. Archivio di chirurgia del torace. Firenze.
Arch. Clín. obst. gin. Eliseo Cantón	418. Archivos; Clínica obstétrica y ginecológica Eliseo Cantón. Buenos Aires.
Arch. clin. radiol. thér. rhumat.	419. Archives cliniques, radiologiques et thérapeutiques de rhumatologie. Lyon.
Arch. Col. méd. Salvador	420. Archivos del Colegio médico de El Salvador. San Salvador.
Arch. derm. syph. Clin. Hôp. S. Louis, Par.	421. Archives dermato-syphiligraphiques de la Clinique de l'Hôpital Saint-Louis. Paris.
Arch. De Vecchi	422. Archivio De Vecchi per l'anatomia patologia e la medicina clinica. Firenze.
Arch. droit climat.	423. Archives (Les) du droit climatique et de l'hygiène. Paris.
Arch. droit méd.	424. Archives (Les) du droit médical et de l'hygiène. Paris.
Arch. enferm. corazón	425. Archivos de enfermedades del corazón y vasos. Barcelona.
Arch. Gabinete méd., La Paz	426. Archivo del Gabinete médico del Comité nacional de deportes. La Paz.
Arch. gen. biopsicol., Roma	427. Archivio generale di biopsicologia, biopsicopatologia e biopsicoterapia. Roma.
Arch. hig., B. Air.	428. Archivos de higiene. Buenos Aires.
Arch. hist. filoz. med., Poznań	429. Archiwum historji i filozofji medycyny oraz historji nauk przyrodniczych. Poznań.
Arch. histol., B. Air.	430. Archivos de histología normal y patológica. Buenos Aires.
Arch. hosp., Bilbao	431. Archivos del hospital. Bilbao.
Arch. hosp., Par.	432. Archives hospitalières. Paris.
Arch. Hosp. univ., Habana	433. Archivos del Hospital universitario. La Habana.

Arch. inn. Med., Stuttg.	434. Archiv für innere Medizin. Stuttgart.
Arch. Inst. Hessarek	435. Archives de l'Institut d'Hessarek (Institut Razi) Teheran.
Arch. Inst. Pasteur Martinique	436. Archives de l'Institut Pasteur de la Martinique. Fort-de-France.
Arch. méd., Lima	437. Archivos médicos. Lima.
Arch. méd., Marseille	438. Archives de médecine générale et coloniale. Marseille.
Arch. méd., Méx.	439. Archivos médicos. México.
Arch. méd. chir. Normandie	440. Archives (Les) médico-chirurgicales de Normandie. Le Havre.
Arch. med. exp., Madr.	441. Archivos de medicina experimental. Madrid.
Arch. med. farm., Trujillo	442. Archivo de medicina y farmacia. Ciudad Trujillo.
Arch. méd. Hosp. Ramos Mejía, B. Air.	443. Archivos médicos del Hospital Ramos Mejía. Buenos Aires.
Arch. med. int., Parma	444. Archivo di medicina interna. Parma.
Arch. méd. quir., Barcel.	445. Archivos médico quirúrgicos y del trabajo. Barcelona.
Arch. Meteor., Wien	446. Archiv für Meteorologie, Geophysik und Bioklimatologie. Wien.
Arch. nac. biol. med., La Plata	447. Archivos nacionales de biología y medicina. La Plata.
Arch. neuropsiq., Habana	448. Archivos de neuro-psiquiatría. La Habana.
Arch. neur. psiq., Habana	449. Archivos de neurología y psiquiatría. La Habana.
Arch. Orthodont., Brux.	450. Archives of orthodontics. Bruxelles.
Arch. parana. med.	451. Archivos paranaenses de medicina. Curitiba.
Arch. Path. Inst. London Hosp.	452. Archives of the Pathological Institute of the London Hospital. London.
Arch. peru. pat. clín.	453. Archivos peruanos de patología y clínica. Lima.
Arch. policia, S. Paulo	454. Archivos de policia e identificação. São Paulo.
Arch. port. sc. biol.	455. Archives portugaises des sciences biologiques. Pôrto.
Arch. rhumat., Lyon	456. Archives de rhumatologie. Lyon.
Arch. sal. púb., B. Air.	457. Archivos de salud pública. Buenos Aires.
Arch. sc. physiol., Par.	458. Archives des sciences physiologiques. Paris.
Arch. Secr. sal. púb. (Argentina)	459. Archivos de la Secretaría de salud pública de la nación (Argentina) Buenos Aires.
Arch. Soc. méd. Valdivia	460. Archivos de la Sociedad médica de Valdivia. Valdivia.
Arch. stomat., Liége	461. Archives de stomatologie. Liége.
Arch. sudamer. oft., Santiago	462. Archivos sud-americanos de oftalmología. Santiago de Chile.
Arch. tisiol., Nap.	463. Archivio di tisiologia. Napoli.
Arch. trimestr. Inst. Luxembourg	464. Archives trimestrielles; Institut grand-ducal de Luxembourg. Luxembourg.
Arch. tuberc., Madr.	465. Archivos de tuberculosis de la Enfermería de Chamartín de la Rosa. Madrid.
Arch. venezol. card.	466. Archivos venezolanos de cardiología y hematología. Caracas.
Arch. venezol. pat. trop.	467. Archivos venezolanos de patología tropical y parasitología médica. Caracas.
Arch. wallon. stomat.	468. Archives wallonnes de stomatologie. Liége.
Arcisped. S. Anna di Ferrara (Riv.)	469. Arcispedale (L') S. Anna di Ferrara (Rivista) Ferrara.
Ardeal. med., Cluj	470. Ardealul medical. Cluj.
Argomenti farm. ter.	471. Argomenti di farmacoterapia. Reggio-Emilia.
Argus, Battle Creek	472. Argus. Battle Creek, Mich.
Arizona Pharmacist	473. Arizona pharmacist. Phoenix.
Arkansas Dent. J.	474. Arkansas (The) dental journal. Conway.
Arkansas Health Bull.	475. Arkansas health bulletin. Little Rock.
Arkh. anat., Leningr.	476. Arkhiv anatomii, histologii i embriologii. Leningrad.
Arkh. Glavna dir. narod. zdrave, Sofia	477. Arkhiv; Glavna direkcia na narodnoto zdrave. Sofia.
Arkh. oft., Moskva	478. Arkhiv oftalmologii. Moskva.
Arkh. otolar., Moskva	479. Arkhiv otolaringologii. Moskva.
Arkh. pat., Moskva	480. Arkhiv patologii. Moskva.
Armed Serv. Res. Rep. Insect & Rodent	481. Armed services research and development report on insect and rodent control. Washington.
Army M. Serv. Mag., Aldershot	482. Army (The) Medical Services magazine. Aldershot.
Arq. anat. pat. Coimbra	483. Arquivos de anatomia patológica, patologia correlative e neuro-ergonologia [Formerly: Arquivos de anatomia patológica, patologia correlative e histo-fisiologia] Coimbra.
Arq. biol. tecn., Curitiba	484. Arquivos de biologia e tecnologia. Curitiba.
Arq. brasil. cardiol.	485. Arquivos brasileiros de cardiología e hematologia. Rio de Janeiro.
Arq. brasil. neuriat. psiquiat.	486. Arquivos brasileiros de neuriatria e psiquiatria. Rio de Janeiro.

Arq. brasil. nutr.	487. Arquivos brasileiros de nutrição. Rio de Janeiro.
Arq. brasil. urol.	488. Arquivos brasileiros de urologia. São Paulo.
Arq. cirurg., Rio	489. Arquivos de cirurgia. Rio de Janeiro.
Arq. cirurg. ortop., Recife	490. Arquivos de cirurgia e ortopedia. Recife.
Arq. Clín. gin., Rio	491. Arquivos de Clínica ginecológica da Faculdade nacional de medicina. Rio de Janeiro.
Arq. Clín. méd., Pôrto	492. Arquivos de Clínica médica (2ª) Pôrto.
Arq. Esc. sup. vet. Minas Gerais	493. Arquivos da Escola superior de veterinária do estado de Minas Gerais. Belo Horizonte.
Arq. Fac. hig. saúde púb. S. Paulo	494. Arquivos da Faculdade de higiene e saúde pública da Universidade de São Paulo. São Paulo.
Arq. Inst. anat. pat., Coimbra	495. Arquivos do Instituto de anatomia patológica. Coimbra.
Arq. Inst. farm., Coimbra	496. Arquivos do Instituto de farmacologia e terapêutica experimental. Coimbra.
Arq. Inst. mil. biol., Rio	497. Arquivos do Instituto militar de biologia. Rio de Janeiro.
Arq. Inst. quím. biol. Minas Gerais	498. Arquivos do Instituto químico-biológico do estado de Minas Gerais. Belo Horizonte.
Arq. Jornada brasil. puericult.	499. Arquivos; Jornada brasileira de puericultura e pediatria. Rio de Janeiro, &c.
Arq. med. cir. Pernambuco	500. Arquivos de medicina e cirurgia de Pernambuco. Recife.
Arq. méd. mun., S. Paulo	501. Arquivos médicos municipais. São Paulo.
Arq. Min. educ. saúde, Rio	502. Arquivos; Ministério da educação e saúde. Rio de Janeiro.
Arq. Serv. nac. lepra, Rio	503. Arquivos do Serviço nacional de lepra. Rio de Janeiro.
Arq. Univ. Bahia Fac. med.	504. Arquivos da Universidade da Bahia, Faculdade de medicina. Salvador.
Ars medica, Pavia	505. Ars medica. Pavia.
Articulator, Sydney	506. Articulator (The) Sydney.
Art méd., Nice	507. Art (L') médical. Nice.
Art & méd., Par.	508. Art et médecine. Paris.
Art méd. Anvers	509. Art (L') médical d'Anvers. Anvers.
ASEC Bull., N. Y.	510. A[merican]S[ociety of]E[uropean]C[hemists and Pharmacists] bulletin. New York.
Ash's J., Lond.	511. Ash's journal. London.
Ash's Month., Lond.	512. Ash's monthly. London.
Ash's Q. Circ., Lond.	513. Ash's quarterly circular. London.
As. interamer. ingen. san.	514. Asociación interamericana de ingenieria sanitaría. Washington.
Askerî vet. dergisi	515. Askerî veteriner dergisi. Ankara.
Asklepios Bibl., Würzb.	516. Asklepios Bibliothek. Würzburg.
Assemb. gén. Ligue fr. cancer	517. Assemblée générale; Ligue française contre le cancer Paris.
Assicur. sociali	518. Assicurazioni (Le) sociali. Roma.
Ass. internat. femme médecins	519. Association internationale des femmes médecins. Paris.
Ateneo parm.	520. Ateneo (L') parmense. Parma.
Athanor, Santiago	521. Athanor. Santiago de Chile.
Atomes & radiat., Par.	522. Atomes et radiations. Paris.
Atomic Energy in Biophys.	523. Atomic energy in biophysics, biology and medicine. Oak Ridge, Tenn.
Atomic Energy Yearb., Lond.	524. Atomic energy year book. London.
Attendant, Phila.	525. Attendant (The) Philadelphia.
Atti Accad. sc. Torino	526. Atti della Reale Accademia della scienze di Torino. Torino.
Atti Ass. cult. liberi doc. Univ. Napoli	527. Atti dell'Associazione culturale dei liberi docenti della R. Università di Napoli. Napoli.
Atti Centro internaz. difesa sociale, Genova	528. Atti del Centro internazionale di studi di difesa sociale. Genova.
Atti Clin. otolar. Napoli	529. Atti della Clinica otorinolaringologica della R. Università di Napoli. Napoli.
Atti Clin. otorinolar. Torino	530. Atti della Clinica otorinolaringologica della R. Università di Torino. Coma.
Atti Congr. internaz. piante med.	531. Atti ufficiali; Congresso internazionale fra i paesi europei interessati alla coltivazione ed al commercio delle piante medicinali aromatiche ed affini. Venezia.
Atti Congr. internaz. trasfus. sangue	532. Atti del Congresso internazionale della trasfusione del sangue. Milano.
Atti Congr. ital. eugen. sociale	533. Atti; Congresso italiano di eugenetica sociale. Roma.
Atti Congr. ital. genet.	534. Atti; Congresso italiano di genetica ed eugenica. Roma.
Atti Congr. naz. chirurg. guerra	535. Atti del congresso: Congresso nazionale di chirurgia di guerra. Roma.

Atti Congr. naz. med. lavoro	536. Atti; Congresso nazionale di medicina del lavoro. Torino.
Atti Congr. naz. radiol.	537. Atti del Congresso nazionale di radiologia medica. Venezia.
Atti Congr. sc. osped.	538. Atti dei Congressi scientifici ospedalieri. Genova.
Atti Congr. Soc. oft. ital.	539. Atti del Congresso della Società oftalmologica italiana. Roma.
Atti Congr. stud. col., sez. pat.	540. Atti del Congresso di studi coloniali, sezione patologia e igiene [coloniale] (title varies slightly) Firenze.
Atti Conv. med. idrol.	541. Atti del Convegno medico idrologico. Milano.
Atti Conv. naz. Lega ital. c. tumori	542. Atti del Convegno nazionale; Lega italiana per la lotta contro i tumori. Firenze.
Atti Conv. sc. fis. mat. natur.	543. Atti; Convegno di scienze fisiche, matematiche e naturali. Roma.
Atti Ist. Angelo Mosso	544. Atti dello Istituto Angelo Mosso sul Monte Rosa. Ciriè.
Atti Ist. med. leg. Univ. Padova	545. Atti dell'Istituto di medicina legale e delle assicurazioni della R. Università di Padova. Treviso.
Atti Ist. naz. assicur.	546. Atti; Istituto nazionale delle assicurazioni. Roma.
Atti sc. ital.	547. Atti [Congresso] degli scienziati italiani. Napoli.
Atti Settim. med. internaz.	548. Atti della Settimana medica internazionale. Salsomaggiore; Roma.
Atti Soc. lombarda med.	549. Atti e memorie della Società lombarda di medicina. Milano.
Attività sc. Ist. clin. med. Univ. Bologna.	550. Attività scientifica dell'Istituto di clinica medica generale e terapia medica della R. Università di Bologna. Bologna.
Atual. méd. san., Rio	551. Atualidades médico-sanitárias. Rio de Janeiro.
Australas. Homoeop. M. Gaz.	552. Australasian homoeopathic medical gazette. Dunedin.
Australas. J. Optometry	553. Australasian (The) journal of optometry. Sydney.
Australas. Pharm. Notes	554. Australasian (The) pharmaceutical notes and news. Sydney.
Austral. J. Sc. Res.	555. Australian journal of scientific research. East Melbourne.
Avvenire farm.	556. Avvenire (L') della farmacia. Roma.
Avvenire san.	557. Avvenire (L') sanitario. Milano.

B

Band, Bern	558. Band (Das) Bern.
Banner, Devils Lake	559. Banner (The) Devils Lake.
Bayer. Aerztebl.	560. Bayerisches Aerzteblatt. München.
Bayern in Zahlen	561. Bayern in Zahlen. München.
Beacon, Augusta	562. Beacon (The) [Oliver General Hospital] Augusta.
Beacon (Wisconsin Sanat.)	563. Beacon (Wisconsin State Sanatorium) Statesan.
Behaviour, Leiden	564. Behaviour. Leiden.
Behringwerk Mitt.	565. Behringwerk-Mitteilungen. Berlin.
Beitr. ärztl. Fortbild.	566. Beiträge zur ärztlichen Fortbildung. Aussig.
Beitr. allg. Med.	567. Beiträge aus der allgemeinen Medizin. Stuttgart.
Beitr. Anat. funkt. Syst.	568. Beiträge zur Anatomie funktioneller Systeme. Leipzig.
Beitr. Psychoanal., Sendai	569. Beiträge zur Psychoanalyse [und Psychopathologie]; Arbeiten aus dem Psychiatrischen Institut der Tohoku K. Universität. Sendai.
Beitr. schweiz. Statist.	570. Beiträge zur schweizerischen Statistik. Bern.
Belg. tschr. mil. geneesk.	571. Belgisch tijdschrift voor militaire geneeskunde. Liège.
Beneficencia, Maracaibo	572. Beneficencia (La) Maracaibo.
Ber. Arbeitstag. berat. Aerzte	573. Bericht über die Arbeitstagung der beratenden Aerzte [Berlin?]
Ber. Arbeitstag. Ost berat. Fachärzte	574. Bericht über die Arbeitstagung Ost der beratenden Fachärzte [Berlin?]
Ber. Augenh.	575. Bericht über die Leistungen und Fortschritte der Augenheilkunde. Wiesbaden.
Ber. Cancerfören. Stockholm	576. Berättelse från styrelsen för Cancerföreningen i Stockholm. Stockholm.
Ber. Grønlands styrel.	577. Beretninger vedrørende Grønlands styrelse. København.
Ber. Internat. Congr. Psychol.	578. [Bericht]; Internationaler Congress für Psychologie. München.
Ber. Internat. Kongr. Schulhyg.	579. Bericht; Internationaler Kongress für Schulhygiene. Nürnberg.

Ber. Kriegstag. berat. Fachärzte

Ber. Landsfor. bekaemp. børnelam.

Berl. homöop. Zschr.
Berl. Statist.
Ber. Naturwiss. med. Verein. Innsbruck
Ber. Naturwiss. Ver. Schwaben.

Ber. Nord. vet.
Ber. San. insp. Göteborg

Ber. Staatl. Inst. exp. Ther. Frankfurt a. M.
Ber. Sundhedsstyrel. Grønland laegeeksp.
Betriebskrankenkasse
Bibl. card., Basel
Bibliogr. acad. Univ. Louvain

Bibliogr. biotheor., Leiden
Bibl. & mus. Neuchâtel

Bibl. tuberc., Basel
Bibl. vracha, Berl.
Bienn. Rep. Bd Health Mississippi

Bienn. Rep. Colorado Bd Health

Bienn. Rep. Com. Health Alaska

Bienn. Rep. Dep. Health Tennessee

Bienn. Rep. Dep. Inst. Louisiana

Bienn. Rep. Kansas Bd Health

Bienn. Rep. Louisiana Bd Health

Bienn. Rep. Minnesota Div. Pub. Inst.

Bienn. Rep. Missouri Com. Blind

Biochem. Prepar., N. Y.
Biochim. biophys. acta, Amst.
Bioclima, Tor.
Biokhim. J., Kiev
Biol. educ., S. Paulo
Biol. Heilkunst
Biol. Human Affairs, Lond.
Biol. lek., Warsz.
Biol. listy, Praha
Biol. & méd., Marseille
Biol. & méd., Par.
Biol. med. Taschenb., Stuttg.
Biologe, Münch.
Biol. Pract., Lond.
Biopsychology, Phila.
Bios, Lpz.
Bios, Oklahoma
BIOS Final Rep., Lond.

Biosphaera, Tokyo
Blgar. klin.
Bl. Lebensmagnet.
Bloodless Phlebotomist
Bloodless Surgeon
Blue Bk, N. Y.

Blue Print for Health
Bl. Untersuch. &c. Instrum.

Bl. Zahnh., Zür.
Böhm. mähr. Gesundhbl.

580. Bericht über die Kriegstagung der beratenden Fachärzte. Berlin.
581. Beretning fra Landsforeningen til bekaempelse af børnelammelse og dens følger. København.
582. Berliner homöopathische Zeitschrift. Berlin.
583. Berliner Statistik. Berlin.
584. Berichte des Naturwissenschaftlich-medizinischen Vereines in Innsbruck. Innsbruck.
585. Bericht des Naturwissenschaftlichen Vereins für Schwaben und Neuburg. Augsburg.
586. Beretning; Nordiska veterinaermøte. Oslo.
587. Berättelse om Sanitära inspektioner m. m. i Göteborgs och Bohus län. Göteborg.
588. Bericht über die Tätigkeit des Staatl. Instituts für experimentelle Therapie in Frankfurt a. M. Wiesbaden.
589. Beretning fra den Sundhedsstyrelsen til Grønland udsendte laegeekspedition. København.
590. Betriebskrankenkasse (Die) Essen.
591. Bibliotheca cardiologica. Basel.
592. Bibliographie académique; Université catholique de Louvain. Louvain.
593. Bibliographia biotheoretica. Leiden.
594. Bibliothèques et musées de la ville de Neuchâtel. Neuchâtel.
595. Bibliotheca tuberculosea. Basel.
596. Biblioteka vracha. Berlin.
597. Biennial report; State Board of Health, Mississippi. Jackson.
598. Biennial report; Colorado State Board of Health. Denver.
599. Biennial report of the Office of the Commissioner of Health, Alaska. Juneau.
600. Biennial report; Department of Public Health, Tennessee. Nashville.
601. Biennial report of Department of Institutions, State of Louisiana. Baton Rouge.
602. Biennial report; Kansas State Board of Health. Topeka.
603. Biennial report; Louisiana State Board of Health. New Orleans.
604. Biennial report; State of Minnesota, Division of Public Institutions. Stillwater.
605. Biennial report of the Missouri Commission for the Blind. St. Louis, &c.
606. Biochemical preparations. New York.
607. Biochimica et biophysica acta. Amsterdam.
608. Bioclima. Torino.
609. Biokhimichny jurnal. Kiev.
610. Biologia (A) educacional. São Paulo.
611. Biologische Heilkunst. Dresden.
612. Biology and human affairs. London.
613. Biologia lekarska. Warszawa.
614. Biologické listy. Praha.
615. Biologie et médecine. Marseille.
616. Biologie et médecine. Paris [print. Rouen]
617. Biologisch-medizinisches Taschenbuch. Stuttgart.
618. Biologe (Der) München.
619. Biological practice. London.
620. Bio-psychology. Philadelphia.
621. Bios. Leipzig.
622. Bios. Oklahoma City; Mount Vernon, Iowa.
623. B[ritish]I[ntelligence]O[bjectives]S[ub-Committee] final report. London.
624. Biosphaera. Tokyo.
625. Blgarska klinika. Sofia.
626. Blätter für Lebensmagnetismus. Leipzig.
627. Bloodless (The) phlebotomist. New York.
628. Bloodless (The) Surgeon. Norfolk, Va.
629. Blue book [International & Spanish Association of Physicians, Dentists & Pharmacists] New York.
630. Blue print for health. Chicago.
631. Blätter für Untersuchungs- und Forschungs-Instrumente. Rathenow.
632. Blätter für Zahnheilkunde. Zürich.
633. Böhmisch-mährische Gesundheitsblätter. Prag.

Bőrgyógy. vener. szemle	634. Bőrgyógyászati és venerologiai szemle. Budapest.
Börsenbl. deut. Buchhandel	635. Börsenblatt für den deutschen Buchhandel. Leipzig.
Boj o zdrav., Bratisl.	636. Boj o zdravie. Bratislava.
Boj proti tuberk.	637. Boj proti tuberkulose. Praha.
Bol. Acad. peru. cirug.	638. Boletín de la Academia peruana de cirugía. Lima.
Bol. admin. Secr. sal. púb. (Argentina)	639. Boletín administrativo de la Secretaría de salud pública de la nación (Argentina) Buenos Aires.
Bol. A. M. E., La Paz	640. Boletín de la A[grupación]M[édica de]E[studios] La Paz.
Bol. As. gen. antituberc. Puerto Rico	641. Boletín de la Asociación general antituberculosa de Puerto Rico. San Juan.
Bol. Asilo alien. Oliva	642. Boletín del Asilo de alienados en Oliva. Oliva.
Bol. As. méd. Santiago (Domin.)	643. Boletín de la Asociación médica de Santiago (Dominican Republic) Santiago de los Caballeros.
Bol. As. patron. mecán. dent., B. Air.	644. Boletín de la Asociación patronal de mecánicos dentales. Buenos Aires.
Bol. Ass. filos. natur., Pôrto	645. Boletim da Associação da filosofia natural. Pôrto.
Bol. Ass. quím. Brasil	646. Boletim da Associação química do Brasil. São Paulo.
Bol. bibliogr., Montev.	647. Boletín bibliográfico. Montevideo.
Bol. bibliogr. mex.	648. Boletín bibliográfico mexicano. México.
Bol. Bibl. nac., Lima	649. Boletín de la Biblioteca nacional. Lima.
Bol. Centro estud. Hosp. serv. estado. Rio	650. Boletim do Centro de estudos do Hospital dos servidores do estado. Rio de Janeiro.
Bol. Centro gen. vacuna, Habana	651. Boletín; Centro general de vacuna de la Isla de Cuba. Habana.
Bol. Clín. ginecotocol., Montev.	652. Boletín de la Clínica ginecotocológica, Cátedra del Prof. Manuel B. Rodríguez. Montevideo.
Bol. clín. Hosp. colon. Lisboa	653. Boletim clínico e de estatística do Hospital colonial de Lisboa. Lisboa.
Bol. Col. brasil. cirurg.	654. Boletim do Colegio brasileiro de cirurgiões. Rio de Janeiro.
Bol. Col. méd., Montev.	655. Boletín del Colegio médico del Uruguay. Montevideo.
Bol. Col. méd. mun. S. Spiritus	656. Boletín del Colegio médico municipal de Sancti Spiritus. Sancti Spiritus.
Bol. Col. of. méd. Provinc. Málaga	657. Boletín del Colegio oficial de médicos de la Provincia de Málaga. Málaga.
Bol. Com. antituberc. (Uruguay)	658. Boletin; Comisión honoraria para la lucha antituberculosa (Uruguay) Montevideo.
Bol. Confed. farm. bioquím. argent.	659. Boletín; Confederación farmacéutica y bioquímica argentina. Buenos Aires.
Bol. Cons. gen. col. odont.	660. Boletín oficial del Consejo general de colegios de odontólogos. Madrid.
Bol. Cons. nac. tuberc., Habana	661. Boletín de información; Consejo nacional de tuberculosis. La Habana.
Bol. Cruz Roja cubana	662. Boletín oficial de la Cruz Roja cubana. La Habana.
Bol. cult. Cons. gen. col. méd. España	663. Boletín cultural e informativo; Consejo general de colegios médicos de España. Madrid.
Bol. cult. Guiné port.	664. Boletim cultural da Guiné portuguesa. Lisboa.
Bol. Dep. med. social, Quito	665. Boletín del Departamento médico-social; Instituto nacional de previsión. Quito.
Bol. Dep. protec. mat. inf. Peru	666. Boletín; Departamento de protección materno-infantil, Peru. Lima.
Bol. Dir. salub. púb., Lima	667. Boletín; Dirección de salubridad pública. Lima.
Bol. económ., Lour. Marques	668. Boletim económico e estatístico. Lourenço Marques.
Bol. Esc. nac. vet., Rio	669. Boletim da Escola nacional de veterinária. Rio de Janeiro.
Bol. Esc. odont., Quito	670. Boletín de la Escuela de odontología; Facultad de ciencias médicas; Universidad central del Ecuador. Quito.
Bol. españ. cancer.	671. Boletín español de cancerología. Madrid.
Bol. españ. hidrol. méd.	672. Boletín español de hidrología médica y climatología. Madrid.
Bol. españ. otorrinolar.	673. Boletín español de otorrinolaringología y bronco-esofagología. Madrid.
Bol. españ. urol.	674. Boletín español de urología. Madrid.
Bol. estadíst., Madr.	675. Boletín de estadística. Madrid.
Bol. estadíst. peru.	676. Boletín de estadística peruana. Lima.
Bol. Fed. farm. B. Aires	677. Boletín quincenal; Federación farmacéutica de la Provincia de Buenos Aires. Buenos Aires.
Bol. Fed. méd. peru.	678. Boletín de la Federación médica peruana. Lima.
Bol. Hosp. Melchor Romero	679. Boletín del Hospital Melchor Romero. Melchor Romero, Argentina.
Bol. Hosp. mil., Habana	680. Boletín del Hospital militar. La Habana.

Bol. inform., Bogotá	681. Boletín informativo. Bogotá.
Bol. inform. As. méd. peru.	682. Boletín informativo de la Asociación médica peruana Daniel A. Carrion. Lima.
Bol. inform. Clín. laborat., Zaragoza	683. Boletín informativo de Clínica y laboratorio. Zaragoza.
Bol. inform. Cons. gen. coleg. farm. España	684. Boletín de información; Consejo general de colegios oficiales de farmacéuticos de España. Madrid.
Bol. inform. estadíst. san., Tetuán	685. Boletín mensual de información estadística, sanitaria y demográfica. Tetuán, Morocco.
Bol. inform. Inst. nac. previs., Madr.	686. Boletín de información del Instituto nacional de previsión. Madrid.
Bol. inform. parasit. chile.	687. Boletín de informaciones parasitarias chilenas. Santiago de Chile.
Bol. inform. técn. (parasit.) Santiago	688. Boletín de información técnica; Departamento de parasitología. Santiago de Chile.
Bol. Inst. nac. radium, Bogotá	689. Boletín del Instituto nacional de radium. Bogotá.
Bol. Inst. Oscar Freire, S. Paulo	690. Boletim do Instituto Oscar Freire. São Paulo.
Bol. Inst. pat. méd., Madr.	691. Boletín del Instituto de patología médica. Madrid.
Bol. Inst. puericult., Rio	692. Boletim do Instituto de puericultura da Universidade do Brasil. Rio de Janeiro.
Bol. Inst. sup. hig. Jorge, Lisb.	693. Boletim do Instituto superior de higiene Doutor Ricardo Jorge. Lisboa.
Bol. internac. bibliogr. argent.	694. Boletín internacional de bibliografía argentina. Buenos Aires.
Boll. Accad. Lancisi.	695. Bollettino e atti della Accademia Lancisiana di Roma. Roma.
Boll. CESPERA	696. Bollettino; CE[ntro]SPE[rimentale di]RAdiestesia] Roma.
Boll. Consorz. antituberc. Livorno	697. Bollettino consorziale; Consorzio antitubercolare, Provincia di Livorno. Livorno.
Bol. Liga urug. cáncer uterino	698. Boletín oficial de la Liga uruguaya contra el cáncer uterino. Montevideo.
Boll. Ist. pat. libro	699. Bollettino del R. Istituto di patologia del libro. Roma.
Boll. Ist. sanat. tisiol., Nap.	700. Bollettino dell'Istituto sanatoriale Principi di Piemonte dell'I. N. P. S., Clinica tisiologica della R. Università di Piemonte. Napoli.
Boll. Lega ital. c. cancro	701. Bollettino della Lega italiana per la lotta contro il cancro. Milano.
Boll. Lega ital. c. tumori	702. Bollettino della Lega italiana per la lotta contro i tumori. Roma.
Boll. med., Trapani	703. Bollettino medico degli ospedali e dispensari di Trapani e provincia. Trapani.
Boll. med. Svizzera ital.	704. Bollettino dei medici della Svizzera italiana. Locarno.
Boll. Ord. med. chir. Napoli	705. Bollettino dell'Ordine dei medici-chirurgi di Napoli e provincia. Napoli.
Boll. san., Roma	706. Bollettino sanitario; Laboratorio di accertamenti epidemiologici e profilattici; Istituto di sanità pubblica. Roma.
Boll. schermogr., Roma	707. Bollettino schermografico. Roma.
Boll. Soc. ital. microb.	708. Bollettino della Società italiana di microbiologia. Milano.
Boll. Soc. med. chir. brescia.	709. Bollettino della Società medico chirurgica bresciana. Brescia.
Boll. Soc. med. chir. Cremona	710. Bollettino della Società medico-chirurgica di Cremona. Cremona.
Boll. Soc. med. chir. trevig.	711. Bollettino della Società medico-chirurgica trevigiana. Treviso.
Boll. Soc. piemont. ost. gin.	712. Bollettino della Società piemontese di ostetricia e ginecologia. Torino.
Boll. Soc. trivenet. chir.	713. Bollettino della Società triveneta di chirurgia. Padova.
Boll. statist. Africa ital.	714. Bollettino statistico dell'Africa italiana. Roma.
Bol. lucha antituberc., Habana	715. Boletín de lucha antituberculosa. Habana.
Bol. méd., Caracas	716. Boletín médico. Caracas.
Bol. méd. mun. Habana	717. Boletín médico municipal de La Habana. La Habana.
Bol. Min. agric., Rio	718. Boletim do Ministério da agricultura, Brazil. Rio de Janeiro.
Bol. odont. paul.	719. Boletim odontologico paulista. São Paulo.
Bol. of. As. quím. Puerto Rico	720. Boletín oficial de la Asociación de químicos de Puerto Rico. San Juan.
Bol. Of. inform. san., Madr.	721. Boletín de la Oficina de información sanitaria [Instituto de biología y sueroterapia] Madrid.

Bol. previd. social, Coímbra	722. Boletim da previdência social. Coímbra.
Bol. provis. Com. interamer. segur. social	723. Boletín provisional; Comité interamericano de seguridad social. Montreal.
Bol. Repart. san. panamer.	724. Boletim da Repartição sanitaria pan-americana. Washington.
Bol. Rev. iber. amer. cienc. méd.	725. Boletín de la Revista ibero-americana de ciencias médicas. Madrid.
Bol. san., Ascunción	726. Boletín sanitario. Ascunción.
Bol. san. mil., Méx.	727. Boletín de sanidad militar. México.
Bol. segur. hig. trabajo	728. Boletín de seguridad e higiene del trabajo. Madrid.
Bol. Serv. hig. rural, Torreón	729. Boletín de los Servicios de higiene rural y medicina social en la Comarca Lagunera. Torreón.
Bol. Serv. nac. lepra, Rio	730. Boletim do Serviço nacional de lepra. Rio de Janeiro.
Bol. SESP, Rio	731. Boletim do S[erviço]E[special de]S[aúde]P[ública] Rio de Janeiro.
Bol. Soc. argent. cirug. ortop.	732. Boletines y trabajos; Sociedad argentina de cirugía ortopédica. Buenos Aires.
Bol. Soc. argent. oft.	733. Boletín de la Sociedad argentina de oftalmología. Buenos Aires.
Bol. Soc. cirug. Córdoba	734. Boletines y trabajos; Sociedad de cirugía de Córdoba. Córdoba.
Bol. Soc. españ. radiol.	735. Boletín de la Sociedad española de radiología. Madrid.
Bol. Soc. med. cir. S. José do Rio Prêto	736. Boletim da Sociedade de medicina e cirurgia de São José do Rio Prêto. São José do Rio Prêto.
Bol. Soc. venezol. cirug.	737. Boletín de la Sociedad venezolana de cirugía. Caracas.
Bol. tisiol., Méx.	738. Boletín tisiológico dispensarial. México.
Bol. tisiol., Pôrto	739. Boletim de tisiologia do Sanatório-hospital Rodrigues Semide. Pôrto.
Bol. vet. Exerc., Rio	740. Boletim veterinario do Exercito. Rio de Janeiro.
Botyu kagaku	741. Bōtyū kagaku. Kyoto.
Brain & Nerve, Tokyo	742. Brain and nerve (Nō oyobi sinkei) Tokyo.
Brit. Chem. Digest	743. British (The) chemical digest. London.
Brit. Chemist	744. British (The) chemist. London.
Brit. Chiropod. J.	745. British (The) chiropody journal. London.
Brit. J. Addict.	746. British (The) journal of addiction (to alcohol and other drugs) London.
Brit. J. Cancer	747. British (The) journal of cancer.
Brit. J. Nutrit.	748. British (The) journal of nutrition. Cambridge.
Brit. J. Plastic Surg.	749. British journal of plastic surgery. Edinburgh.
Brit. J. Psychiat. Social Work	750. British journal of psychiatric social work. London.
Brit. M. Students J.	751. British (The) medical students' journal. London.
Brit. Optician	752. British (The) optician. London.
Brit. Red Cross Soc. Q. Rev.	753. British Red Cross Society quarterly review. London.
Brit. Sc. News	754. British science news. London.
Brit. Vet. J.	755. British (The) veterinary journal. London.
Brooklyn Pharmacist	756. Brooklyn (The) pharmacist. Brooklyn.
Buckeye Osteopath.	757. Buckeye (The) osteopathic physician. Columbus.
Bucks Co. M. Month., Perkasie	758. Bucks (The) County medical monthly. Perkasie, Pa.
Budapest székesf. közegészs.	759. Budapest székesföváros közegészségügye. Budapest.
Budapest székesf. statiszt. havifüz.	760. Budapest székesfőváros statisztikai havifüzetei. Budapest.
Büch. d. Augenarzt.	761. Bücherei des Augenarztes. Stuttgart.
Bul. As. psihiat. România	762. Buletinul Asociaţiei psihiatrilor din România. Iaşi.
Bull. Acad. nat. méd.	763. Bulletin de l'Académie nationale de médecine. Paris.
Bull. actual. méd., Beirut	764. Bulletin des actualités médicales. Beirut.
Bull. Akron Dent. Soc.	765. Bulletin; Akron Dental Society. Akron, Ohio.
Bull. Alameda Co. M. Ass.	766. Bulletin (The) of the Alameda County Medical Association. Oakland, Calif.
Bull. Alameda Dent. Soc.	767. Bulletin; Alameda County District Dental Society. Oakland, Calif.
Bull. algér. cancér.	768. Bulletin algérien de cancérologie. Alger.
Bull. algér. carcin.	769. Bulletin algérien de carcinologie. Alger.
Bull. Am. Ass. Pub. Health Dentists	770. Bulletin (The) of the American Association of Public Health Dentists. Lansing, Mich.
Bull. Am. Coll. Radiol.	771. Bulletin; American College of Radiology. Chicago.
Bull. Am. M. Ass. Vienna, Wien	772. Bulletin; American Medical Association of Vienna. Wien.
Bull. Am. Pharm. Ass.	773. Bulletin; American Pharmaceutical Association. Chicago.
Bull. Am. Protest. Hosp. Ass.	774. Bulletin; American Protestant Hospital Association. Evansville, Ind.
Bull. Am. Regist. Path. (NRC) Wash.	775. Bulletin [Subcommittee on the] American Registries of Pathology (Committee on Pathology; National Research Council) Washington.

Bull. Am. Student Health Ass.	776. Bulletin; American Student Health Association. Minneapolis, &c.
Bull. Am. Women Hosp., N. Y.	777. Bulletin; American Women's Hospitals. New York.
Bull. analyt. bibliogr. hellén.	778. Bulletin analytique de bibliographie hellénique. Athènes.
Bull. Animal Res. Vect. Dis. (NRC) Wash.	779. Bulletin [Subcommittee on] Animal Reservoirs and Vectors of Disease (National Research Council) Washington.
Bull. Arkansas Bd Health	780. Bulletin; Arkansas State Board of Health. Little Rock.
Bull. Army Health Statist., Lond.	781. Bulletin of Army health statistics. London.
Bull. Ass. Advance. Psychoanal., N. Y.	782. Bulletin; Association for the Advancement of Psychoanalysis. New York.
Bull. Ass. gyn. obst. fr.	783. Bulletin de l'Association des gynécologues et obstétriciens de langue française. Paris.
Bull. Ass. méd. fr. Amérique du Nord	784. Bulletin; Association des médecins de langue française de l'Amérique du Nord. Montréal.
Bull. Ass. méd. haïti.	785. Bulletin de l'Association médicale haïtienne. Port-au-Prince.
Bull. Atomic Scientists	786. Bulletin; Atomic Scientists of Chicago. Chicago.
Bull. Audiom. (NRC) Wash.	787. Bulletin [Panel on] Audiometry (Committee on Hearing, National Research Council) Washington.
Bull. Austral. Ass. Occup. Therapists	788. Bulletin; Australian Association of Occupational Therapists. Sydney.
Bull. Bergen Co. M. Soc.	789. Bulletin of the Bergen County Medical Society. Teaneck, N. J., &c.
Bull. Berks Co. M. Soc.	790. Bulletin of the Berks County Medical Society. Reading, Pa.
Bull. Blood (NRC) Wash.	791. Bulletin [Committee on] Blood and Blood Derivatives (National Research Council) Washington.
Bull. Blood Subst. (NRC) Wash.	792. Bulletin [of the Subcommittee on] Blood Substitutes (National Research Council) Washington.
Bull. Brit. Sc. Instrum. Res. Ass.	793. Bulletin; British Scientific Instrument Research Association. London.
Bull. Buchanan Co. M. Soc.	794. Bulletin of the Buchanan County Medical Society. St. Joseph, Mo.
Bull. Buffalo Hosp.	795. Bulletin; Buffalo City Hospital. Buffalo.
Bull. Buncombe Co. M. Soc.	796. Bulletin; Buncombe County Medical Society. Asheville, N. C.
Bull. Bur. Am. Ethnol.	797. Bulletin; Bureau of American Ethnology; Smithsonian Institution. Washington.
Bull. Bur. Med. Econom. Am. M. Ass.	798. Bulletin; Bureau of Medical Economic Research; American Medical Association. Chicago.
Bull. Camden-Clark Mem. Hosp.	799. Bulletin of the Camden-Clark Memorial Hospital staff conference. Parkersburg, W. Va.
Bull. Cardiovasc. Dis. (NRC) Wash.	800. Bulletin [Subcommittee on] Cardiovascular Diseases (Committee on Medicine, National Research Council) Washington.
Bull. Chemother. (NRC) Wash.	801. Bulletin [Committee on] chemotherapy (National Research Council) Washington.
Bull. Chicago Hosp. Ass.	802. Bulletin of the Chicago Hospital Association. Chicago.
Bull. Chicago Tuberc. Inst.	803. Bulletin of the Chicago Tuberculosis Institute. Chicago.
Bull. Christ. M. Counc. Overseas Work	804. Bulletin of the Christian Medical Council for Overseas Work. New York.
Bull. Cleveland Gen. Hosp.	805. Bulletin of the Cleveland General Hospital. Cleveland.
Bull. Colorado State Hosp.	806. Bulletin; Colorado State Hospital. Pueblo.
Bull. Columbus Acad. M.	807. Bulletin; Columbus Academy of Medicine. Columbus, O.
Bull. Columbus Dent. Soc.	808. Bulletin; Columbus Dental Society. Columbus, Ohio.
Bull. Com. M. Social Eye Workers	809. Bulletin; Committee of Medical Social Eye Workers. New York.
Bull. Commun. Dis. UNRRA	810. Bulletin of communicable diseases and medical notes; European Regional Office, Health Division, United Nations Relief and Rehabilitation Administration. [London?]
Bull. Com. Path. (NRC) Wash.	811. Bulletin; Committee on Pathology, National Research Council. Washington.
Bull. Com. Veterans M. Probl. (NRC) Wash.	812. Bull[etin] CVMP; Committee on Veterans Medical Problems (National Research Council) Washington.
Bull. Cons. nat. Ordre nat. chir. dentist.	813. Bulletin du Conseil national; Ordre national des chirurgiens-dentistes. Paris.

Bull. Corydon Palmer Dent. Soc.	814. Bulletin of the Corydon Palmer Dental Society. Youngstown, O.
Bull. Counc. Christ. M. Work, Shanghai	815. Bulletin of the Council on Christian Medical Work of the Chinese Medical Association. Shanghai.
Bull. Counc. Pub. Educ. Am. Hosp. Ass.	816. Bulletin; Council on Public Education, American Hospital Association. Chicago.
Bull. Counc. Pub. Relat. Am. Hosp. Ass.	817. Bulletin; Council on Public Relations, American Hospital Association. Chicago.
Bull. Dent. Laborat. California	818. Bulletin of Dental Laboratory Society of California. Los Angeles.
Bull. Dent. (NRC) Wash.	819. Bulletin [Committee on] Dentistry (National Research Council) Washington.
Bull. Div. Labor Stand., Wash.	820. Bulletin; Division of Labor Standards; U. S. Department of Labor. Washington.
Bull. Douglas Park Br. Chicago M. Soc.	821. Bulletin of the Douglas Park Branch of the Chicago Medical Society. Chicago.
Bull. Drug Addict. (NRC) Wash.	822. Bulletin [Committee on] Drug Addiction and Narcotics (National Research Council) Washington.
Bull. Ecole psychol., Par.	823. Bulletin de l'Ecole de psychologie et de la Société de psychothérapie. Paris.
Bull. Equip. (NRC) Wash.	824. Bulletin [Subcommittee on] Equipment (Committee on Blood and Blood Derivatives; National Research Council) Washington.
Bull. Essex Co. Dent. Soc.	825. Bulletin; Essex County Dental Society. Newark, N. J.
Bull. Evanston Br. Chicago M. Soc.	826. Bulletin of Evanston Branch of Chicago Medical Society. Evanston.
Bull. Fac. méd. Univ. Montréal	827. Bulletin de la Faculté de médecine de l'Université de Montréal. Montréal.
Bull. Food Supply (NRC) Wash.	828. Bulletin [Subcommittee on] Food Supply [Committee on Sanitary Engineering and Environment] (National Research Council) Washington.
Bull. Free Hosp. Women, Bost.	829. Bulletin; Free Hospital for Women. Boston.
Bull. from Britain	830. Bulletins from Britain. New York, N. Y.
Bull. Garfield Co. M. Soc.	831. Bulletin; Garfield County Medical Society. Enid, Okla.
Bull. Garfield Hosp., Wash.	832. Bulletin; Garfield Memorial Hospital. Washington.
Bull. Geisinger Mem. Hosp.	833. Bulletin of the [Geo. F.] Geisinger Memorial Hospital [and Clinic] (title varies) Danville, Pa.
Bull. Georgetown Univ. M. Center	834. Bulletin; Georgetown University Medical Center. Washington.
Bull. Greene Co. M. Soc.	835. Bulletin of the Greene County Medical Society. Springfield, Mo.
Bull. Hawaii M. Ass.	836. Bulletin; Hawaii Territorial Medical Association. Honolulu.
Bull. Hearing (NRC) Wash.	837. Bulletin [Committee on] Hearing (National Research Council) Washington.
Bull. Hôp. S. Michel, Par.	838. Bulletin de l'Hôpital Saint-Michel et bulletin [du Service] de gastro entérologie (title varies) Paris.
Bull. hyg. indust., Ottawa	839. Bulletin de l'hygiène industrielle. Ottawa.
Bull. Indust. Hyg. Found.	840. Bulletin; Industrial Hygiene Foundation. Pittsburg.
Bull. Infect. Dis. (NRC) Wash.	841. Bulletin [Subcommittee on] Infectious Diseases (Committee on Medicine, National Research Council) Washington.
Bull. inform. Min. san. pub.	842. Bulletin d'information; Ministère de la santé publique, France. Paris.
Bull. Insect Contr. (NRC) Wash.	843. Bulletin [Committee on] Insect and Rodent Control (National Research Council) Washington.
Bull. Inst. Appl. Biol.	844. Bulletin of the Institute of Applied Biology. Brooklyn.
Bull. Inst. Marine Trop. M., Gdańsk	845. Bulletin of the Institute of Marine and Tropical Medicine. Gdańsk, Poland.
Bull. Inst. M. Res. Madrid	846. Bulletin of the Institute for Medical Research; University of Madrid. Madrid.
Bull. Inst. nat. orientat. prof., Par.	847. Bulletin de l'Institut national d'orientation professionnelle. Paris.
Bull. Interamer. Com. Social Secur., Montreal	848. Bulletin; Inter-American Committee on Social Security. Montreal.
Bull. internat. Cl. sc. math. Acad. sc., Praha	849. Bulletin international; Classe des sciences mathématiques, naturelles et de la médecine; Académie tchèque des sciences [formerly: Académie des sciences de l'Empereur François Joseph] Praha.
Bull. internat. protect. enf., Brux.	850. Bulletin international de la protection de l'enfance. Bruxelles.

Bull. Iowa Div. Am. Cancer Soc.	851. Bulletin; Iowa Division; Field Army of the American Cancer Society [varies: Bulletin; Iowa Division; Women's Field Army] Des Moines.
Bull. Iowa Nurses Ass.	852. Bulletin of the Iowa State Nurses' Association. Des Moines.
Bull. Jackson Park Br. Chicago M. Soc.	853. Bulletin, Jackson Park Branch, Chicago Medical Society. Chicago.
Bull. Jefferson Co. M. Soc.	854. Bulletin; Jefferson County Medical Society. Birmingham, Ala.
Bull. Lake Co. M. Soc.	855. Bulletin; Lake County Medical Society. North Chicago, Ill., &c.
Bull. Liver Dis. (NRC) Wash.	856. Bulletin [Subcommittee on] Liver Diseases (Committee on Medicine, National Research Council) Washington.
Bull. Los Angeles Surg. Soc.	857. Bulletin of the Los Angeles Surgical Society. Los Angeles.
Bull. McGregor Clin., Hamilton	858. Bulletin; McGregor Clinic. Hamilton, Ont.
Bull. Margaret Hague Mat. Hosp., Jersey City	859. Bulletin of the Margaret Hague Maternity Hospital. Jersey City.
Bull. Mason Clin., Seattle	860. Bulletin of the Mason Clinic. Seattle.
Bull. Massachusetts Soc. Social Hyg.	861. Bulletin of the Massachusetts Society for Social Hygiene. Boston.
Bull. M. Coll. S. Carolina	862. Bulletin of the Medical College of the State of South Carolina. Charleston.
Bull. méd. Afrique occid. fr.	863. Bulletin médical de l'Afrique occidentale française. Dakar.
Bull. Med. (NRC) Wash.	864. Bulletin [Committee on] Medicine (National Research Council) Washington.
Bull. méd. Serv. san. pub. Haïti.	865. Bulletin médical du Service de la santé publique; République d'Haïti. Port-au-Prince.
Bull. méd. Univ. Aurore, Shanghai	866. Bulletin médical de l'Université l'Aurore. Shanghai.
Bull. méd. Univ. Changhai	867. Bulletin de médecine; Université de Changhai. Shanghai.
Bull. Meharry M. Coll.	868. Bulletin of Meharry Medical College. Nashville.
Bull. mens. Union ass. internat.	869. Bulletin mensuel; Union des associations internationales. Bruxelles.
Bull. Mount Sinai Hosp., Chic.	870. Bulletin of the Mount Sinai Hospital. Chicago.
Bull. Mun. Com. Tuberc. S. Louis	871. Bulletin of the Municipal Commission on Tuberculosis of Saint Louis. St. Louis.
Bull. M. Women Club Chicago	872. Bulletin of the Medical Women's Club of Chicago. Chicago.
Bull. Narcotics (U. N.)	873. Bulletin on narcotics (United Nations) Lake Success, N. Y.
Bull. Nassau Co. Dent. Soc.	874. Bulletin of the Nassau County Dental Society. Glen Cove, N. Y.
Bull. Nat. Counc. Phys. Fitness Canada	875. Bulletin; National Council on Physical Fitness, Canada. Ottawa.
Bull. Nat. Dent. Ass.	876. Bulletin; National Dental Association. Manassas; Chicago.
Bull. Nat. Soc. M. Res.	877. Bulletin of the National Society for Medical Research. Chicago.
Bull. N. Carolina Hosp. Ass.	878. Bulletin; North Carolina Hospital Association. Charlotte.
Bull. Neur. (NRC) Wash.	879. Bulletin [Subcommittee on] Neurology (Committee on Neuropsychiatry; National Research Council) Washington.
Bull. Neuropsychiat. (NRC) Wash.	880. Bulletin [Committee on] Neuropsychiatry (National Research Council) Washington.
Bull. Neurosurg. (NRC) Wash.	881. Bulletin [Subcommittee on] Neurosurgery (Committee on Surgery, National Research Council) Washington.
Bull. North Br. Chicago M. Soc.	882. Bulletin of North Suburban Branch of Chicago Medical Society. Evanston.
Bull. N. York Co. Dent. Soc.	883. Bulletin; New York County Dental Society. New York.
Bull. N. York Optometr. Soc.	884. Bulletin; New York Optometric Society. New York.
Bull. Oakland Co. M. Soc.	885. Bulletin; Oakland County Medical Society. Pontiac, Mich.
Bull. Oklahoma Dent. Ass.	886. Bulletin (The) of the Oklahoma State Dental Association. Oklahoma City.
Bull. Oklahoma Health Dep.	887. Bulletin; Oklahoma State Health Department. Oklahoma City.
Bull. Oncol. (NRC) Wash.	888. Bulletin [Subcommittee on] Oncology (Committee on Pathology, National Research Council) Washington.

Bull. Ophth. (NRC) Wash.	889. Bulletin [Committee on] Ophthalmology (National Research Council) Washington.
Bull. Ordre méd., Par.	890. Bulletin de l'Ordre des médecins. Paris.
Bull. Ordre pharm., Par.	891. Bulletin de l'Ordre des pharmaciens. Paris.
Bull. Orthop. Surg. (NRC) Wash.	892. Bulletin [Subcommittee on] Orthopedic Surgery (Committee on Surgery, National Research Council) Washington.
Bull. Path. (NRC) Wash.	893. Bulletin [Committee on] Pathology (National Research Council) Washington.
Bull. Personnel (NRC) Wash.	894. Bulletin [Subcommittee on] Personnel (Committee on Dentistry; National Research Council) Washington.
Bull. Pharm. (NRC) Wash.	895. Bull[etin; Subcommittee on] Pharmacy (National Research Council) Washington.
Bull. Pharm. Ther. Com. Univ. Hosp., Ann Arb.	896. Bulletin (The) of the Pharmacy and Therapeutics Committee; University Hospital. Ann Arbor, Mich.
Bull. Potter Co. M. Soc.	897. Bulletin of the Potter County Medical Society. Amarillo, Texas.
Bull. Prosth. Dev. (NRC) Wash.	898. Bull[etin; Committee on] Prosthetic Devices (National Research Council) Washington.
Bull. Provident Hosp., Balt.	899. Bulletin; Provident Hospital. Baltimore.
Bull. Psychiat. (NRC) Wash.	900. Bulletin [Subcommittee on] Psychiatry (Committee on Neuropsychiatry; National Research Council) Washington.
Bull. Pub. Health Supr. Command. Japan	901. Bulletin; Public Health and Welfare Section; Supreme Commander for the Allied Powers (Japan) [n. p.]
Bull. quarant., Alexandrie	902. Bulletin quarantenaire hebdomadaire. Alexandrie, Egypt.
Bull. Radiol. (NRC) Wash.	903. Bulletin [Subcommittee on] Radiology; (Committee on Surgery; National Research Council) Washington.
Bull. rech. genèse &c. cancer, Dijon	904. Bulletin des recherches sur la genèse et la prophylaxie du cancer. Dijon.
Bull. Rex Hosp., Raleigh	905. Bulletin of the staff of Rex Hospital. Raleigh, N. C.
Bull. Riverside Hosp., Jacksonv.	906. Bulletin of the Riverside Hospital. Jacksonville, Fla.
Bull. Russ. M. Soc. N. York	907. Bulletin of the Russian Medical Society of New York. New York.
Bull. Saginaw Co. M. Soc.	908. Bulletin; Saginaw County Medical Society. Saginaw, Mich.
Bull. San. Engin. (NRC) Wash.	909. Bulletin [Committee on] Sanitary Engineering and Environment (National Research Council) Washington.
Bull. S. Barbara Co. M. Soc.	910. Bulletin of the Santa Barbara County Medical Society. Santa Barbara, Calif.
Bull. S. Clair Co. M. Soc.	911. Bulletin; St. Clair County Medical Society. East St. Louis, Ill.
Bull. S. Elizabeths Hosp., Wash.	912. Bulletin; St. Elizabeths Hospital. Washington.
Bull. Shelter (NRC) Wash.	913. Bulletin [Subcommittee on] Shelter and Clothing (Committee on Sanitary Engineering and Environment; National Research Council) Washington.
Bull. Shock (NRC) Wash.	914. Bulletin [Committee] on Shock [and Transfusions (National Research Council) Washington.
Bull. S. Ind. M. Union, Madras	915. Bulletin of the South Indian Medical Union. Madras
Bull. Soc. amis d. sc. Poznań	916. Bulletin de la Société des amis des sciences de Poznań. Poznań.
Bull. Soc. belge derm.	917. Bulletin de la Société belge de dermatologie et de syphiligraphie. Bruxelles.
Bull. Soc. belge gyn.	918. Bulletin de la Société royale belge de gynécologie et d'obstétrique. Bruxelles.
Bull. Soc. biol. Alger	919. Bulletin des filiales de la Société de biologie de Paris; Société de biologie d'Alger. Alger.
Bull. Soc. chir. Bordeaux	920. Bulletins et mémoires de la Société de chirurgie de Bordeaux et du Sud-Ouest. Bordeaux.
Bull. Soc. chir. Marseille	921. Bulletins et mémoires de la Société de chirurgie de Marseille. Paris.
Bull. Soc. fr. micr.	922. Bulletin de la Société française de microscopie. Paris.
Bull. Soc. fr. opht.	923. Bulletins et mémoires de la Société française d'ophtalmologie. Paris.
Bull. Soc. fr. phléb.	924. Bulletin de la Société française de phlébologie. Paris.
Bull. Soc. hist. pharm., Par.	925. Bulletin de la Société d'histoire de la pharmacie. Paris.
Bull. Soc. méd. chir., Hanoï	926. Bulletin de la Société médico-chirurgicale [de l'Indo-Chine, Hanoï & Haïphong] Hanoï.
Bull. Soc. méd. émul., Par.	927. Bulletins de la Société médicale d'émulation. Paris.
Bull. Soc. méd. hist., Par.	928. Bulletin de la Société médico-historique. Paris.
Bull. Soc. méd. Passy	929. Bulletin et mémoires de la Société médicale de Passy. Martel de Janville.
Bull. Soc. méd. Pau	930. Bulletin de la Société médicale de Pau et du Syndicat médical du Béarn. Pau.

Bull. Soc. neur. Paris	931. Bulletins officiels; Société de neurologie de Paris. Paris.
Bull. Soc. neur. psychiat. Jassy	932. Bulletin et mémoires de la Société de neurologie, psychiatrie, psychologie et endocrinologie de Jassy. Iaşi.
Bull. soc. opht. France	933. Bulletin des sociétés d'ophtalmologie de France. Paris.
Bull. Soc. opht. Lyon	934. Bulletin de la Société d'ophtalmologie de Lyon. Lyon, &c.
Bull. Soc. path. comp., Par.	935. Bulletin de la Société de pathologie comparée. Paris.
Bull. Soc. pharm. Bordeaux	936. Bulletin des travaux de la Société de pharmacie de Bordeaux. Bordeaux.
Bull. Soc. pharm. Côte d'Or	937. Bulletin de la Société syndicale des pharmaciens de la Côte-d'Or [formerly: Société des pharmaciens de la Côte-d'Or] Dijon.
Bull. Soc. roumain. neur.	938. Bulletin de la Société roumaine de neurologie, psychiatrie, psychologie et endocrinologie. Iaşi.
Bull. Soc. sex., Par.	939. Bulletin; Société de sexologie. Paris.
Bull. Soc. vaud. sc. nat.	940. Bulletin de la Société vaudoise des sciences naturelles. Lausanne.
Bull. South Chicago M. Soc.	941. Bulletin; South Chicago Branch, Chicago Medical Society. Chicago.
Bull. statist. gén. France	942. Bulletin de la statistique générale de la France. Paris.
Bull. Subcom. Am. Reg. Path.	943. Bulletin; Subcommittee on the American Register of Pathology, National Research Council. Washington.
Bull. Subcom. Prosthes. (NRC) Wash.	944. Bulletin; Subcommittee on Prostheses. (National Research Council) Washington.
Bull. Suffolk Co. M. Soc.	945. Bulletin of the Suffolk County Medical Society. Huntington, N. Y.
Bull. Surg. (NRC) Wash.	946. Bulletin [Committee on] Surgery (National Research Council) Washington.
Bull. Synd. nat. gyn. fr.	947. Bulletin du Syndicat national des gynécologues français. Paris.
Bull. synd. pharm. rég. paris.	948. Bulletin des syndicats pharmaceutiques de la région parisienne. Paris.
Bull. Tarrant Co. M. Soc.	949. Bulletin of the Tarrant County Medical Society. Fort Worth, Tex.
Bull. Thorac. Surg. (NRC) Wash.	950. Bulletin [Subcommittee on] Thoracic Surgery (Committee on Surgery; National Research Council) Washington.
Bull. Toronto East M. Ass.	951. Bulletin (The) of the Toronto East Medical Association. Toronto, Can.
Bull. Tuberc. (NRC) Wash.	952. Bulletin [Subcommittee on] Tuberculosis (Committee on Medicine; National Research Council) Washington.
Bull. Tucker Sanat., Richm.	953. Bulletin of the Tucker Sanatorium. Richmond, Va.
Bull. Tufts Dent. Club N. York	954. Bulletin; Tufts Dental Club of New York. New York.
Bull. Tumor Clin., Huntington	955. Bulletin; Tumor Clinic, St. Mary's Hospital. Huntington, W. Va.
Bull. Union Co. Dent. Soc.	956. Bulletin of the Union County Dental Society. Newark, N. J.
Bull. Univ. Aurore, Shanghai	957. Bulletin de l'Université l'Aurore. Shanghai.
Bull. Univ. Minnesota Hosp.	958. Bulletin of the University of Minnesota Hospitals and Minnesota Medical Foundation. Minneapolis.
Bull. U. S. Bur. Labor Stand.	959. Bulletin; United States Department of Labor; Bureau of Labor Standards. Washington.
Bull. U. S. Nat. Soc. M. Res.	960. Bulletin of the [United States] National Society for Medical Research. Chicago.
Bull. Vener. Dis., Bost.	961. Bulletin of venereal diseases. Boston.
Bull. Vener. Dis. Control, Ottawa	962. Bulletin of venereal disease control; Department of Health, Ontario. Ottawa.
Bull. Vener. Dis. (NRC) Wash.	963. Bulletin [Subcommittee on] Venereal Diseases (Committee on Medicine, National Research Council) Washington.
Bull. Washington Univ. M. School, S. Louis	964. Bulletin of the Washington University Medical School. St. Louis.
Bull. Waste Disp. (NRC) Wash.	965. Bulletin [Subcommittee on] Waste Disposal [Committee on Sanitary Engineering and Environment; National Research Council) Washington.
Bull. West Suburb. Hosp., Oak Park	966. Bulletin; West Suburban Hospital. Oak Park, Ill.
Bull. Wichita Falls Clin.	967. Bulletin of the Wichita Falls Clinic-Hospital. Wichita Falls, Tex.
Bull. Wisconsin Nurs. Ass.	968. Bulletin; Wisconsin State Nurses Association. Cudahy.

Bull. Woman Aux. Am. M. Ass.	969. Bulletin of the Woman's Auxiliary to the American Medical Association. Chicago.
Bull. Woman Hosp., N. Y.	970. Bulletin of the Woman's Hospital in the State of New York. New York.
Bull. World Fed. Ment. Health, Lond.	971. Bulletin (The) of the World Federation for Mental Health. London.
Bull. World Health Org., N. Y.	972. Bulletin of the World Health Organization. New York.
Bull. World M. Ass.	973. Bulletin; World Medical Association. Mt Morris, Ill.
Bull. Yellow Fever Bur., Liverp.	974. Bulletin; Yellow Fever Bureau. Liverpool.
Butll. Sind. metg. Catalunya	975. Butlletí del Sindicat de metges de Catalunya. Barcelona.
BVA Bull., N. Y.	976. B. V. A. (The) bulletin [Blinded Veterans Association] New York.
Byositu & kenkyusitu	977. Byōsitu to kenkyūsitu. Tokyo.

C

Cademario Nachr.	978. Cademario-Nachrichten. Cademario, Switz.
Cadern. cient., Lisb.	979. Cadernos científicos. Lisboa.
Caduceus, Manila	980. Caduceus (The) Manila.
Caduceus, Poughkeepsie	981. Caduceus (The) Poughkeepsie.
CAEME, B. Air.	982. CA[mara]deE[specialidades]ME[dicinales] Buenos Aires.
Cah. algér. san.	983. Cahiers (Les) algériens de la santé. Alger.
Cah. climat., Par.	984. Cahiers (Les) de climatologie. Paris.
Cah. Laënnec	985. Cahiers Laënnec. Paris.
Cah. méd., Alger	986. Cahiers médicaux de l'union française. Alger.
Cah. méd. fr.	987. Cahiers (Les) médicaux français. Paris.
Cah. méd. trav.	988. Cahiers de médecine du travail. Paris.
Cah. méd. vét.	989. Cahiers (Les) de médecine vétérinaire. Paris.
Cah. nordafr. hyg. méd. sociales	990. Cahiers nord-africains d'hygiène et de médecine sociales. Alger.
Cah. pharm. France	991. Cahiers du pharmacien de France. Paris.
Cah. psychiat.	992. Cahiers de psychiatrie. Clermont-Ferrand.
California Hosp. Messenger	993. California (The) hospital messenger. Los Angeles.
California Pub. Health Guard.	994. California public health guardian. Los Angeles.
Caliper, Ottawa	995. Caliper (The) Ottawa.
C. A. M., Pôrto Alegre	996. C[entro] A[cadêmico de] M[edicina Sarmento Leite] Pôrto Alegre.
Camice bianco, Fir.	997. Camice bianco. Firenze.
Campaign Bull. Am. Heart Ass.	998. Campaign bulletin; American Heart Association. New York.
Camp. antituberc., Guayaquil	999. Campaña antituberculosa. Guayaquil.
Canad. Druggist	1000. Canadian druggist. Toronto.
Canad. J. Psychol.	1001. Canadian journal of psychology. Toronto.
Canad. Physician, Toronto	1002. Canadian (The) Physician. Toronto.
Cancer Bull., Houston	1003. Cancer (The) bulletin. Houston.
Cancer Bull., Rochester	1004. Cancer bulletin. Rochester, N. Y.
Cancer Bull., Wash.	1005. Cancer (The) bulletin. Washington.
Cancer News, N. Y.	1006. Cancer news. New York.
Canje, B. Air.	1007. Canje (El) Buenos Aires.
Capitolium, Roma	1008. Capitolium. Roma.
Carmichael M. Coll. Mag.	1009. Carmichael (The) Medical College magazine. Calcutta.
Carnet d. économe	1010. Carnet de l'économe. Paris.
Carolina Mountain Air	1011. Carolina mountain-air. Asheville, N. C.
Carta odont., Lima	1012. Carta (La) odontológica. Lima.
Cas. česk. lék.	1013. Casopis českého lékárnictva. Praha.
Cas. česk. vet.	1014. Casopis československých veterinářů. Praha.
Casist. chir., Tor.	1015. Casistica chirurgica. Torino.
Casist. med., Tor.	1016. Casistica medica. Torino.
Catalyst, Phila.	1017. Catalyst (The) Philadelphia.
Cátedra & clín., B. Air.	1018. Cátedra y clínica. Buenos Aires.
CDC Bull., Atlanta	1019. C[ommunicable]D[isease]C[enter] bulletin. Atlanta, Ga.
Cebu M. Soc. Bull.	1020. Cebu Medical Society bulletin. Cebu City, P. I.
Celula, Habana	1021. Celula. La Habana.
CEM, Quito	1022. C[entro de]E[studiantes de]M[edicina Eugenio Espejo] Quito.
Centr. J. Homeop.	1023. Central journal of homeopathy. Chardon, Ohio, &c.

Centr. Pharm. J., Chic.	1024. Central pharmaceutical journal. Chicago.
C. E. O., Asunción	1025. C[entro] E[studiantes de] O[dontología] Asunción, Paraguay.
Cerebr. Palsy Rev.	1026. Cerebral palsy review. Wichita.
Cesk. dent.	1027. Ceskoslovenský dentista. Praha.
Cesk. derm.	1028. Ceskoslovenská dermatologie. Praha.
Cesk. nemoc.	1029. Ceskoslovenská nemocnice. Praha.
Cesk. stomat.	1030. Ceskoslovenská stomatologie. Praha.
Ceylon Health News	1031. Ceylon health news. Colombo.
Ceylon J. M. Sc.	1032. Ceylon (The) journal of medical science. Colombo, Ceylon.
Chain Store Age, Orange	1033. Chain store age. Orange, Conn.
Challenge, Chic.	1034. Challenge (The) Chicago.
Charing Cross Hosp. Gaz.	1035. Charing Cross Hospital gazette. Blandford, &c.
Chatterbox, Hartford	1036. Chatterbox (The) Hartford.
Chemicals & Drugs	1037. Chemicals and drugs. Washington.
Chemist &c. Australasia	1038. Chemist (The) & druggist and pharmacist of Australasia. Sydney, &c.
Chemist News, Bombay	1039. Chemist [& drugstore] news (title varies) Bombay.
Chemists J., Lond.	1040. Chemists' (The) journal. London.
Chemoterapia, Tor.	1041. Chemoterapia. Torino.
Chemotherapy (NRC) Wash.	1042. Chemotherapy (Committee on Chemotherapeutic and Other Agents; National Research Council) Washington.
Chemother. Rep. (OSRD) Wash.	1043. Chemotherapy report (Committee on Medical Research; Office of Scientific Research and Development) Washington.
Chem. pharm. techn., Dordrecht	1044. Chemische en pharmaceutische techniek. Dordrecht.
Chicago V. D. Bull.	1045. Chicago V. D. bulletin. Chicago.
Child Study, N. Y.	1046. Child study. New York.
Chin. Rev. Trop. M.	1047. Chinese (The) review of tropical medicine. Taipeh, Taiwan.
Chir. ital.	1048. Chirurgia italiana. Belluno.
Chiropodist, Lond.	1049. Chiropodist (The) London.
Chiropractor	1050. Chiropractor (The) Davenport, Iowa.
Chirurgia, Milano	1051. Chirurgia. Milano.
Christ Hosp. M. Bull., Cincin.	1052. Christ Hospital medical bulletin. Cincinnati.
Chron. méd. Bigorre	1053. Chronique (La) médicale de la Bigorre. Tarbes.
Chron. Omaha Dent. Soc.	1054. Chronicle of the Omaha District Dental Society. Omaha.
Chron. World Health Org.	1055. Chronicle of the World Health Organization. New York.
Chunghwa ihsüeh tsachih	1056. Chunghwa ihsüeh tsachih. Shanghai.
Chymia, Phila.	1057. Chymia. Philadelphia.
Ciba tschr., Basel	1058. Ciba-tijdschrift. Basel.
Ciba Zschr., Basel	1059. Ciba Zeitschrift. Basel.
Cienc. méd. hisp. amer.	1060. Ciencias médicas hispano-americanas. Madrid.
Cinchona, Bandoeng	1061. Cinchona. Bandoeng.
Cinchona Rev., N. Y.	1062. Cinchona review. New York.
CIOS Rep., Lond.	1063. C[ombined] I[ntelligence] O[bjectives] S[ubcommittee] report. London.
Circ. Chief Surgeon's Off. U. S. Army Forc. Pacific	1064. Circular letter; Chief Surgeon's Office, United States Army Forces in the Pacific. [n. p.]
Circ. Dep. Health Scotland	1065. Circular; Department of Health for Scotland. Edinburgh.
Circ. farm., Barcel.	1066. Circular farmacéutica. Barcelona.
Circ. Lett. Brit. M. Liais. Off., Carlisle	1067. Circular letter; British Medical Liaison Officer; Medical Field Service School. Carlisle Barracks, Pa.
Circ. Lett. U. S. Army Far East Off. Theater Surgeon	1068. Circular letter; United States Army Forces in the Far East, Office of the Theater Surgeon. [n. p.]
Circ. M. Sect. Far East Command	1069. Circular; Medical Section, Far Eastern Command, United States Army. [n. p.]
Circulation, N. Y.	1070. Circulation. New York.
Cirug. & med., Méx.	1071. Cirugía y medicina. México.
Cirug. ortop. traumat., Madr.	1072. Cirugía ortopédica y traumatología. Madrid.
Città di Milano (Rass.)	1073. Città di Milano; rassegna mensile del Comune e bollettino di statistica. Milano.
Clarke School Stud. Hered. Deaf.	1074. Clarke School studies concerning the heredity of deafness. Northampton, Mass.
Clin. Conf., Los Ang.	1075. Clinical conferences. Los Angeles.
Clín. contemp., Lisb.	1076. Clínica contemporânea. Lisboa.
Clínica, Valladolid	1077. Clínica. Valladolid.
Clínico, N. Goa	1078. Clínico (O) Nova-Goa.
Clin. Invest. Rep. (NRC) Wash.	1079. Clinical investigation report (National Research Council) Washington.

Clin. Invest. Rep. (OSRD) Wash.

Clin. J. Japan

Clin. & laborat., Par.
Clin. M. Digest, Tokyo
Clin. Misc., Springf.
Clin. ortop., Parma
Clin. otorinolar., Roma
Clin. Path. Conf. Percy Jones Gen. Hosp.
Clin. Path. Conf. U. S. Army Brooke Gen. Hosp.
Clin. Path. Conf. U. S. Army Madigan Gen. Hosp.
Clin. Proc. Jewish Hosp., Phila.

Clin. Rep. Adelaide Child. Hosp.

Clin. Soc. J., Agra
Clin. Soc. J., Lucknow
Clin. Suppl. King's Coll. Hosp. Gaz., Lond.
Clin. Symposia, Summit
Clín. tórax, B. Air.
Clín. trabajo, B. Air.
CML C Q. Progr. Rep. Insect & Rodent Contr.
Colec. monogr. Inst. tisiol., Montev.

Collect. droit social
Collect. Papers Brit. Postgrad. M. School
Collect. Papers Dep. Biochem. Peiping Union M. Coll.
Collect. Papers Dep. Helminth. London School Trop. M.
Collect. Papers Dep. Physiol. Long Island Coll. M.

Collect. Papers Dep. Physiol. Univ. Pennsylvania
Collect. Papers Inst. Med. Vet. Sc.

Collect. Papers Inst. Physiol. Univ. Glasgow
Collect. Papers Lister Inst. Prev. M., Lond.
Collect. Papers Physiol. Dep. Univ. Glasgow
Collect. Papers Res. Laborat. Parke Davis & Co.
Collect. Repr. California Stomat. Res. Gp

Collect. Repr. Comly & Coleman Fund M. & S. Res. Ohio Univ.

Collect. Repr. Com. M. Res. Off. Sc. Res. U. S.

Collect. Repr. Dep. Biol. Cath. Univ. America
Collect. Repr. Nat. Found. Infant. Paralysis
Collect. Repr. U. S. Nat. Inst. Health

Collect. Repr. Wilmer Ophth. Inst.

Collect. Stud. Dep. Bact. N. York Postgrad. M. School

1080. Clinical investigation report (Committee on Medical Research; Office of Scientific Research and Development) Washington.
1081. Clinical (The) journal of Japan (Nippon rinsyo) Osaka.
1082. Clinique et laboratoire. Paris.
1083. Clinical medicine digest. Tokyo.
1084. Clinical miscellany. Springfield, Ill.
1085. Clinica (La) ortopedica. Parma.
1086. Clinica (La) otorinolaringoiatrica. Roma.
1087. Clinico-pathological conference; Percy Jones General Hospital; U. S. Army. Battle Creek, Mich.
1088. Clinico-pathological conference [U. S. Army] Brooke General Hospital. Fort Sam Houston, Texas.
1089. Clinical-pathological conference [U. S. Army] Madigan General Hospital. Tacoma.
1090. Clinical proceedings of the Jewish Hospital. Philadelphia.
1091. Clinical reports of the Adelaide Children's Hospital. Adelaide.
1092. Clinical Society journal. Agra, India.
1093. Clinical Society journal. Lucknow.
1094. Clinical supplement to King's College Hospital Gazette. London.
1095. Clinical symposia. Summit, N. J.
1096. Clínica del tórax. Buenos Aires.
1097. Clínica del trabajo. Buenos Aires.
1098. C[he]M[ica]L C[orps] quarterly progress report on insect and rodent control. Washington, &c.
1099. Colección de monografías; Instituto de tisiología Prof. Dr. J. B. Morelli. Montevideo.
1100. Collection droit social. Paris.
1101. Collected papers; British Postgraduate Medical School. London.
1102. Collected papers; Department of Biochemistry, Peiping Union Medical College. Peiping.
1103. Collected papers; Department of Helminthology, London School of Tropical Medicine. London.
1104. Collected papers from the Department of Physiology and Pharmacology; Long Island College of Medicine. Brooklyn.
1105. Collected papers; Department of Physiology, School of Medicine, University of Pennsylvania. Philadelphia.
1106. Collected papers; Institute of Medical and Veterinary Science. Adelaide.
1107. Collected papers; Institute of Physiology, University of Glasgow. Glasgow.
1108. Collected papers; Lister Institute of Preventive Medicine. London.
1109. Collected papers; Physiological Department, University of Glasgow. Glasgow.
1110. Collected papers from the Research Laboratory, Parke, Davis & Company. Detroit, Mich.
1111. Collected reprints from the California Stomatological Research Group of the University of California. Berkeley.
1112. Collected reprints; Comly and Coleman Fund for Medical and Surgical Research of the Ohio State University. Columbus.
1113. Collected reprints; Committee on Medical Research, Office of Scientific Research and Development, United States. Washington.
1114. Collected reprints; Department of Biology, Catholic University of America. Washington.
1115. Collected reprints of the grantees; National Foundation for Infantile Paralysis. New York.
1116. Collected reprints [U. S.] National Institutes of Health. Washington.
1117. Collected reprints from the Wilmer Ophthalmological Institute of the Johns Hopkins University and Hospital. Baltimore.
1118. Collected studies of the Department of Bacteriology, New York Post-Graduate Medical School and Hospital. New York.

Collect. Stud. Dep. Biol. Chem. Univ. Illinois

Collect. Stud. Dep. Laborat. N. York Postgrad. M. School

Collect. Stud. Glen Lake Sanat.

Collect. Works Parasit. Laborat. Keiogijuku Univ.
Colloq. med., Oranienb.
Coll. Pharm. News, Iowa City
Colonial Res., Lond.

Colorado Health News.
Columbia Optometr.
Comment. Pontif. acad. sc.

Commonw. Dent. Rev., Sydney
Commun. Congr. colit. (France)

Compend. méd., Phila.
Compens. M., N. Y.
Comun. Congr. internac. hisp. port. derm.
Comun. Congr. sudamer. otorrinolar.

Comune di Bologna (Rass.)
Conf. Ass. fr. avance. sc.

Confidential- from Washington
Conf. Inst. perfec. méd. quir., B. Air.

Conf. internat. rat
Conf. Liga port. profil. social

Conf. Med. Consultants to Wehrmacht

Conf. Metab. Asp. Convalesc.

Conf. pediat., Lisb.

Conf. techn. Ass. gén. hygiénist. mun.

Conf. Ultrasonics [U. S.]

Congr. interamer. cirug.
Congr. méd. mut. Uruguay

Connaître, Par.
Connecticut Cancer Bull.
Connecticut M. J.
Consolid. Pharmacist, Brooklyn
Constit. Med., Lond.

Construct. S. & M.
Contr. Dan. Pharmacop. Com.

Contr. Dep. Gyn. City Hosp. N. York

Contr. Dep. Hyg. Gov. Res. Inst. Formosa
Contr. Male Dep. Copenhagen Ment. Hosp.
Contr. Neur. Inst. N. York

Contr. Univ. Inst. Foren. M. Kanazawa

Contr. Univ. Inst. Gen. Path. Copenhagen
Convalesc. Rehabil. Rep.

1119. Collected studies from the Department of Biological Chemistry, University of Illinois College of Medicine. Chicago.
1120. Collected studies of the Department of the Laboratories, New York Post-Graduate Medical School and Hospital. New York.
1121. Collected studies from Glen Lake Sanatorium. Oak Terrace, Minn.
1122. [Collected] works from the Parasitology Laboratory, Faculty of Medicine, Keiō-gijuku University. Tokyo.
1123. Colloquium medici. Oranienburg/Berlin.
1124. College of Pharmacy news. Iowa City.
1125. Colonial research; reports of the Colonial Research Committee, &c. London.
1126. Colorado health news. Denver.
1127. Columbia (The) optometrist. New York.
1128. Commentationes; Pontificia academia scientiarum. Roma.
1129. Commonwealth (The) dental review. Sydney.
1130. Communications, discussion des rapports et compte rendu du Congrès; Congrès des colites (France) Plombières-les-Bains.
1131. Compendio médico. Philadelphia.
1132. Compensation medecine. New York.
1133. Comunicações portuguesas; Congresso internacional hispano-português de dermatologia. Lisboa.
1134. Comunicaciones; Congreso sud americano de otorrinolaringología. Montevideo.
1135. Comune (Il) di Bologna (Rassegna) Bologna.
1136. Conférences; Association française pour l'avancement des sciences. Paris.
1137. Confidential from Washington. Washington.
1138. Conferencias; Instituto de perfeccionamiento médico-quirúrgico. Buenos Aires.
1139. Conférence internationale du rat. Paris.
1140. Conferências; Liga portuguesa de profilaxia social. Pôrto.
1141. Conference of the medical consultants to the Wehrmacht. [n. p.]
1142. Conference on metabolic aspects of convalescence including bone and wound healing. New York.
1143. Conferências de pediatria na Clínica médica pediátrica do Hospital D. Estefânia. Lisboa.
1144. Conférence technique; Association générale des hygiénistes & techniciens municipaux. Paris.
1145. Conference on ultrasonics and explosive decompression [United States] Washington.
1146. Congreso interamericano de cirugía. [v. p.]
1147. Congreso de médicos mutuales organizado por el Colegio médico del Uruguay. Montevideo.
1148. Connaître. Paris.
1149. Connecticut (The) cancer bulletin. Waterbury.
1150. Connecticut (The) State medical journal. Hartford.
1151. Consolidated (The) Pharmacist. Brooklyn.
1152. Constitutional medicine, endocrinology and allergy. [Title varies: v.1, Constitutional medicine and endocrinology] London.
1153. Constructive surgery and medicine. Chicago.
1154. Contributions from the Danish Pharmacopoeia Commission. København.
1155. Contributions from the Department of Gynaecology of the City Hospital, New York. New York.
1156. Contributions from the Department of Hygiene, Government Research Institute, Formosa. Taihoku.
1157. Contributions from the Male Dept. of Copenhagen's Mental Hospital, St. Hans Hospital. København.
1158. Contributions from the Third Division Neurological Institute of New York. New York.
1159. Contributions from the University Institute for Forensic Medicine, Kanazawa. Kanazawa.
1160. Contributions from the University Institute for General Pathology, Copenhagen. Copenhagen.
1161. Convalescence and rehabilitation report. Washington.

Cooper, Melun	1162. Cooper. Melun, France.
Cooperador dent., B. Air.	1163. Cooperador (El) dental. Buenos Aires.
Cord, Aylesbury	1164. Cord (The) Aylesbury, Engl.
Cornell Conf. Ther., N. Y.	1165. Cornell conferences on therapy. New York.
Cornell M. J.	1166. Cornell medical journal. New York.
Corpuscle, Chic.	1167. Corpuscle (The) Chicago.
Correio mundo farm., Rio	1168. Correio do mundo farmacêutico. Rio de Janeiro.
County Intern, Chic.	1169. County (The) intern. Chicago.
Courage, Sapulpa	1170. Courage. Sapulpa, Okla.
Courier, Wash.	1171. Courier of the George Washington University Hospital. Washington.
CRDA News, Chic.	1172. C[hicago]R[etail]D[ruggists']A[ssociation] news. Chicago.
C. rend. Acad. bulgare sc.	1173. Comptes rendus de l'Académie bulgare des sciences. Sofia.
C. rend. Ass. anat.	1174. Comptes rendus de l'Association des anatomistes. Paris, &c.
C. rend. Ass. fr. avance sc.	1175. Compte rendu; Association française pour l'avancement des sciences. Paris.
C. rend. Conf. internat. rhumat. chron.	1176. Comptes-rendus; Conférence scientifique internationale du rhumatisme chronique progressif généralisé [var.: ... le rhumatisme chronique dégénératif] Chambéry.
C. rend. Congr. chim. biol., Par.	1177. Compte rendu général du Congrès; conférences; Congrès de chimie biologique. Paris.
C. rend. Congr. égypt. méd.	1178. Comptes rendus; Congrès égyptien de médecine. Le Caire.
C. rend. Congr. fr. gyn.	1179. Comptes-rendus; Congrès français de gynécologie. Paris.
C. rend. Congr. internat. amélior. aveugles	1180. Compte rendu général; Congrès international pour l'amélioration du sort des aveugles. Le Caire.
C. rend. Congr. internat. anthrop.	1181. Compte rendu; Congrès international d'anthropologie et d'archéologie préhistoriques. [v. p.]
C. rend. Congr. internat. lumière	1182. Comptes-rendus; Congrès international de la lumière. København.
C. rend. Congr. internat. méd. pharm. mil.	1183. Compte-rendu général; discussions des rapports et communications; Congrès international de médecine et de pharmacie militaires. Basel.
C. rend. Congr. internat. méd. sport.	1184. Compte rendu; Congrès international de médecine sportive appliquée à la natation. Paris.
C. rend. Congr. internat. méd. vét.	1185. Compte rendu du Congrès international de médecine vétérinaire. Bruxelles.
C. rend. Congr. internat. plant. méd.	1186. [Compte rendu] Congrès international des plantes médicinales et des plantes à essences. Paris.
C. rend. Congr. internat. sc. anthrop.	1187. Compte rendu; Congrès international des sciences anthropologiques et ethnologiques. København.
C. rend. Jour. méd. Beyrouth	1188. Comptes-rendus; Journées médicales de Beyrouth. Paris.
C. rend. Jour. méd. Com. nat. sports	1189. Comptes rendus des Journées médicales du Comité national des sports. Paris.
C. rend. Jour. dent. Paris	1190. Compte-rendu des séances, allocutions et communications; Journées dentaires de Paris. Paris.
C. rend. Réun. méd. chir. morph.	1191. Comptes rendus des séances; Réunions médico-chirurgicales de morphologie. Paris.
C. rend. Soc. obst. France	1192. Compte rendu des séances; Société obstétricale de France. Paris.
C. rend. Soc. obst. Lille	1193. Comptes-rendus des travaux de la Société d'obstétrique de Lille. Lille.
C. rend. sténogr. Conf. internat. hyg. bien-être marine march.	1194. [Compte rendu sténographique]; Conférence [internationale] sur l'hygiène et le bien-être dans la marine marchande. Paris.
C. rend. Union internat. péril vénér.	1195. Compte rendu des débats; Comité exécutif et conseil de direction; Union internationale contre le péril vénérien. Paris.
Criança portug.	1196. Criança (A) portuguesa. Lisboa.
Cruz Roja españ.	1197. Cruz Roja española. Madrid.
Cruz Roja venezol.	1198. Cruz Roja venezolana. Caracas.
Cuadern. amaril. Cont. san. panamer.	1199. Cuadernos amarillos; Conferencia sanitaria panamericana. Caracas.
Cuadern. farm., Granada	1200. Cuadernos de farmacología. Granada.
C. U. C. P. Alumni J., N. Y.	1201. C[olumbia] U[niversity] C[ollege of] P[harmacy] alumni journal. New York.
Cult. Stomat., Tor.	1202. Cultura (La) stomatologica. Torino, &c.
Current Med., Johannesb.	1203. Current medicine. Johannesburg.
Current Ther., Phila.	1204. Current therapy. Philadelphia.

CWS Month. Progr. Rep. Insect & Rodent Contr.	1205. C[hemical]W[arfare]S[ervice] monthly progress report on insect and rodent control. Washington, &c.
CWS Q. Progr. Rep. Insect & Rodent Contr.	1206. C[hemical]W[arfare]S[ervice] quarterly progress report on insect and rodent control. Washington, &c.
Cyprus M. J.	1207. Cyprus medical journal. Nicosia.
Cytologia, Tokyo	1208. Cytologia. Tokyo.
Czas. sąd. lek.	1209. Czasopismo sądowo-lekarskie. Warszawa.

D

Dai Nippon sika igakkai kaisi	1210. Dai Nippon sika igakkai kaisi. Tōkyō.
Dai Nippon zibiinkoka kai kaiho	1211. Dai Nippon zibiinkōka kai kaihō. Tōkyō.
Dalhousie, M. J.	1212. Dalhousie medical journal. Halifax.
Dansk farm. aarb.	1213. Dansk farmacevtisk aarbog. København.
Dansk klin.	1214. Dansk klinik. København.
Dansk otolar. selsk. forh.	1215. Dansk oto-laryngologisk selskabs forhandlinger. København.
Dansk Røde Kors tskr.	1216. Dansk Røde Kors tidsskrift. København.
Dansk sundhedstid.	1217. Dansk sundhedstidende. København.
Dansk tskr. farm.	1218. Dansk tidsskrift for farmaci. København.
Debreceni Tisza István Tud. Egyet. évk.	1219. A Debreceni M. Kir. Tisza István-Tudományegyetem évkönyve. Debrecen.
Delaware Co. Pharmacist	1220. Delaware (The) County pharmacist. Ridley Park, Pa.
Delaware Nurse	1221. Delaware nurse. Wilmington.
Delaware Pharmacist	1222. Delaware (The) pharmacist. Wilmington.
Δελτιον Ἰατροχειρ. ἑταιρ. Ἀθηνων	1223. Δελτιον Ἰατροχειρουργικης ἑταιριας Ἀθηνων. Ἀθηναι.
Demogr. colomb.	1224. Demografia (La) colombiana. Bogotá.
Dens sapiens, Kbh.	1225. Dens sapiens. København.
Dent. Abstr., N. Y.	1226. Dental abstracts. New York.
Dentalargus, Milano	1227. Dentalargus; rassegna di stomatologia, odontotecnica e medicina generale. Milano.
Dentalia, N. Orl.	1228. Dentalia. New Orleans.
Dentaljournal, Weinfelden	1229. Dental-journal. Weinfelden, Switz.
Dent. colomb.	1230. Dentista (El) colombiano. Bogotá.
Dent. Concepts, N. Y.	1231. Dental concepts. New York.
Dent. Dienst	1232. Dental Dienst. Bielefeld.
Dent. Econom.	1233. Dental economics. Chicago.
Dent. J. Palestine	1234. Dental (The) journal for Palestine and the Near East. Jerusalem.
Dent. Laborat. News, N. Y.	1235. Dental laboratory news. New York.
Dent. Laborat. Rev.	1236. Dental laboratory review. Minneapolis.
Dent. Outlook, Tokyo	1237. Dental outlook. Tokyo.
Dent. Q., Nanking	1238. Dental quarterly. Nanking.
Dent. Rdsch.	1239. Dentistische Rundschau. Berlin.
Dent. Reflector, N. Y.	1240. Dental reflector. New York.
Dent. Technician, Lond.	1241. Dental technician. London.
Dent. World, Minneap.	1242. Dental world. Minneapolis.
Derm. & Vener., Amst.	1243. Dermatology and venereology. Amsterdam.
Deut. Apoth.	1244. Deutsche (Die) Apotheke. Berlin.
Deut. Arztrecht	1245. Deutsches Arztrecht. Berlin.
Deut. Badebetr.	1246. Deutsche (Der) Badebetrieb. Berlin, &c.
Deut. dent. Wschr.	1247. Deutsche dentistische Wochenschrift. München.
Deut. dent. Zschr.	1248. Deutsche dentistische Zeitschrift. München.
Deut. Drogistensch.	1249. Deutsche Drogistenschaft. Eberswalde.
Deut. Drogist. Ztg	1250. Deutsche Drogisten-Zeitung. München.
Deut. Lebensmitt. Rdsch.	1251. Deutsche Lebensmittel-Rundschau. Stuttgart.
Deut. med. Rdsch.	1252. Deutsche medizinische Rundschau. Ludwigshafen a. Rh.
Deut. Zahnärztekalend.	1253. Deutscher Zahnärztekalender. München.
Deut. Zschr. Homöop.	1254. Deutsche Zeitschrift für Homöopathie und deren Grenzgebiete. Berlin.
Diabetes & Obesity Rev.	1255. Diabetes and obesity review. New York.
Diabet. J., Lond.	1256. Diabetic (The) journal. London.
Diabet. News, Phila.	1257. Diabetic news. Philadelphia.
Diagnosi, Nap.	1258. Diagnosi (La) Napoli.
Difesa antituberc.	1259. Difesa (La) antitubercolare. Genova.
Digest Osteopath. M., Carthage	1260. Digest (The) of osteopathic medicine. Carthage, Mo.
Dionysos, Par.	1261. Dionysos. Paris.
Diritto san.	1262. Diritto (Il) sanitario. Roma.

Discours Conf. Internat. Feder. Eugen. Org.	1263. Discours prononcés à la Conférence organisée par The International Federation of Eugenic Organisations. Amsterdam.
Discurs. Conf. san. panamer.	1264. [Discursos]; Conferencia sanitaria panamericana. San José, C. R.
Discurs. Reun. nac. derm. españ.	1265. Discursos, intervenciones en las ponencias, comunicaciones; Reunión nacional de dermatólogos españoles. Barcelona.
Divulg. dent. veracruz.	1266. Divulgación-dental veracruzana. Villa Azueta, Mex.
Divulg. méd. dent., Villa Azueta	1267. Divulgación médico-dental. Villa Azueta, Mex.
Doctor & Law, Ft Wayne	1268. Doctor (The) and the law. Fort Wayne; Wheaton, Ill.
Docum. algér.	1269. Documents algériens. Alger.
Docum. Congr. internat. tr. hyg. pub.	1270. Documents du Congrès international des travaux d'hygiène publique. Genève.
Documentaire méd., Par.	1271. Documentaire (Le) médical. Paris.
Docum. inform. psychiat., Par.	1272. Documents de l'information psychiatrique. Paris.
Docum. méd., Par.	1273. Documents médicaux. Paris.
Docum. méd. (Croix-Rouge)	1274. Documentation médicale à l'usage des délégués (Comité international de la Croix-Rouge) Genève.
Docum. neerl. indones. morb. trop.	1275. Documenta Neerlandica et Indonesica de morbis tropicis. Amsterdam.
Docum. ophth., Zür.	1276. Documenta ophthalmologica. Zürich, &c.
Docum. prép. Ass. internat. protect. enf.	1277. Documents préparatoires; Association internationale pour la protection de l'enfance. Bruxelles.
Docum. U. S. Atom. Energy Com.	1278. Document; United States Atomic Energy Commission. Oak Ridge, Tenn.
Docum. World Health Org.	1279. [Documents] World Health Organization. Genève.
Doklady Akad. nauk SSSR	1280. Doklady Akademii nauk SSSR. Moskva.
Domus medici, Madr.	1281. Domus medici. Madrid.
Dopovidi Akad. nauk URSR	1282. Dopovidi Akademii nauk URSR. Kiev.
Dozin igaku	1283. Dozin igaku. Tokyo.
Dōzinkai igaku zassi	1284. Dōzinkai igaku zassi. Tokyo.
DRK-Arbeitsbrief	1285. DRK-Arbeitsbrief. Potsdam.
DR Letter, Tokyo	1286. D[isaster]R[elief] letter [Japanese National Red Cross] Tokyo.
Drogist	1287. Drogist (Der) Berlin.
Drôme & Ardèche méd.	1288. Drôme & Ardèche médicales. St-Vallier.
Druggist Advert.	1289. Druggists' advertiser and trade journal. New York.
Drug Markets, Pittsfield	1290. Drug markets. Pittsfield, Mass.
Drug merchand., Toronto	1291. Drug merchandising. Toronto.
Drug Progr., Chic.	1292. Drug progress. Chicago.
Dymphna, Roermond	1293. Dymphna; tijdschrift voor verplegenden van zenuw- en zielszieken. Roermond.

E

Echo méd. Cévennes	1294. Echo (L') médical des Cévennes. Nîmes.
Echos méd., Par.	1295. Echos (Les) de la médecine. Paris.
Eco méd. quir., Valladolid	1296. Eco (El) médico-quirúrgico. Valladolid.
Edinburgh Phren. J.	1297. Edinburgh phrenological journal and magazine of moral & intellectual science. New York.
Education (N. Zealand)	1298. Education; [child welfare, state care of children] special schools, and infant-life protection, Ministry of Education, New Zealand. Wellington.
Educ. Psychol. Measur.	1299. Educational and psychological measurement. Lancaster, Pa., &c.
Educ. Sess. Am. Hosp. Admin.	1300. General educational session [var.: Educational session addresses] and the report of the President; American College of Hospital Administrators. Chicago.
Eesti arst	1301. Eesti arst. Tartu.
Effeta, Bologna	1302. Effeta. Bologna.
Egészségvédelem	1303. Egészségvédelem. Budapest.
Einführ. med. Laborat. techn.	1304. Einführung in die medizinische Laboratoriumstechnik in Einzeldarstellungen. Wien.
Eisei kogyo kyokai si	1305. Eisei kōgyō kyōkai-si. Tōkyō.
Eisei sikenzyo iho	1306. Eisei sikenzyo ihō. Tōkyō.
Eiyogaku zassi	1307. Eiyōgaku zassi. Tōkyō.
Eiyo syokuryo gakkai Kansai bukai ho	1308. Eiyō-syokuryō gakkai, Kansai-bukai hō. Kyōto.
Eksp. klin. issledov.	1309. Eksperimentalnye i klinicheskie issledovania. Leningrad.

Eksp. med., Kharkov	1310. Eksperimentalna medicina. Kharkov, &c.
Electroencephalography, Montr.	1311. Electroencephalography and clinical neurophysiology. Montréal, &c.
Electromed. Rev., Holliston	1312. Electro-medical (The) review. Holliston, Mass.
Electron. M. Digest	1313. Electronic medical digest. San Francisco.
Elgin Papers	1314. Elgin papers [Elgin State Hospital] Elgin, Ill.
Endocr. gin. obst., Cluj	1315. Endocrinologie, ginecologie, obstetrică. Cluj.
Enfance, Par.	1316. Enfance. Paris.
Engin. Inform. Letter, Pittsb.	1317. Engineering information letter (Industrial Hygiene Foundation) Pittsburgh.
Enquiry, Lond.	1318. Enquiry, London.
Entomon, Münch.	1319. Entomon. München.
Entretiens de Bichat	1320. Entretiens (Les) de Bichat. Paris.
Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)	1321. Environmental Protection Section report (Research and Development Branch, U. S. Office of the Quartermaster General) Washington.
Ephemeris med., Louisville	1322. Ephemeris medica. Louisville, Ky.
Epidem. Rec. Austral. Pacific Zone	1323. Epidemiological record of the Austral-Pacific zone; Commonwealth of Australia. Canberra.
Epilepsia, Amst.	1324. Epilepsia. Amsterdam, &c.
Erfelijkheid	1325. Erfelijkheid bij de mens. 's-Gravenhage.
Erg. Forsch. & Praxis	1326. Ergebnisse aus Forschung und Praxis. Berlin.
Essentially Yours, Union	1327. Essentially yours. Union, N. J.
Estud. inform. oft., Barcel.	1328. Estudios e informaciones oftalmológicas. Barcelona.
Ethnie fr.	1329. Ethnie (L') française. Paris.
Etoile bleue, Par.	1330. Etoile (L') bleue. Paris.
Etudiant méd.	1331. Etudiant (L') médecin. Paris.
Eugenics, N. Haven	1332. Eugenics. New Haven.
Eugeniko, Osaka	1333. Eugeniko (La) Osaka.
Eugénique	1334. Eugénique. Paris.
Eugen. polska	1335. Eugenika polska. Warszawa.
Europ. Sc. Notes	1336. European scientific notes (U. S. Office of Naval Research, London Branch) London.
Evaluat. Rep. Brit. Intell. Obj. Subcom.	1337. Evaluation report; British Intelligence Objectives Sub-Committee. London.
Evolution, Lanc.	1338. Evolution. Lancaster.
Evolut. psychiat., Par.	1339. Evolution (L') psychiatrique. Paris.
Exp. Cell Res.	1340. Experimental cell research. New York, &c.
Exposés ann. biochem. méd., Par.	1341. Exposés annuels de biochimie médicale. Paris.
Exterminators Log, Kansas City	1342. Exterminators log. Kansas City, Mo.

F

Fachzschr. Schweiz. Zahntechn.	1343. Fachzeitschrift; Schweizerische Zahntechniker-Vereinigung. Zürich.
Family, Albany	1344. Family (The) Albany.
Farmacia, Cali	1345. Farmacia. Cali.
Farmacia, Caracas	1346. Farmacia. Caracas.
Farmacia, S. José	1347. Farmacia. San José, C. R.
Farmacias, Marianao	1348. Farmacias. Marianao.
Farmacista, Roma	1349. Farmacista (Il) Roma, &c.
Farmacognosia, Madr.	1350. Farmacognosia. Madrid.
Farmacoterapia, Méx.	1351. Farmacoterapia. México.
Farm. aikak.	1352. Farmaseuttinen aikakauslehti. Helsinki.
Farmalecta, B. Air.	1353. Farmalecta; publicación del Instituto Massone Buenos Aires.
Farm. cubana	1354. Farmacia (La) cubana. La Habana.
Farm. mod., N. Y.	1355. Farmacia (La) moderna. New York.
Farm. nueva, Madr.	1356. Farmacia nueva. Madrid.
Farm. nuova, Tor.	1357. Farmacia (La) nuova. Torino.
Farm. práct., Habana	1358. Farmacia (La) práctica. La Habana.
Farm. rev., Stockh.	1359. Farmacevtisk revy. Stockholm.
Farm. & ter., Madr.	1360. Farmacología y terapéutica. Madrid.
Farm. tid., Kbh.	1361. Farmaceutisk tidende. København.
Faro, Genova	1362. Faro (Il) Genova.
Fed. med., Roma	1363. Federazione medica. Roma.
Féd. méd., Toulouse	1364. Fédération (La) médicale. Toulouse.
Fed. Sc. Progr., Wash.	1365. Federal science progress. Washington.
Feincone Seminar, N. Y.	1366. Feincone seminar. New York.
Fertil. & Steril., N. Y.	1367. Fertility and sterility. New York.
Feuill. praticien.	1368. Feuillets (Les) du praticien. Paris.
FIAT Rev., Wiesb.	1369. FIAT review of German science. Wiesbaden.
Fiches méd.	1370. Fiches (Les) Médicales. Paris.

Field M. Bull. (Burma)	1371. Field medical bulletin; United States Army Forces, India Burma Theater; Office of the Surgeon. [n. p.]
Fiopian Footprints	1372. Fiopian footprints. New York.
Fitoterapia, Milano	1373. Fitoterapia. Milano.
Fiziol. J. SSSR	1374. Fiziologicheskii Jurnal SSSR. Moskva.
Förh. Nord. kir. fören.	1375. Förhandlingar[na] vid Nördisk kirurgisk förenings. Lund.
Förh. Nord. kongr. inv. med.	1376. Förhandlingarn[a] vid Nordiska kongressen för invärtes medicin. Lund, &c.
Förh. Nord. vet.	1377. Förhandlingar; Nordiska veterinärmöte. Stockholm, &c.
Förh. Sven. läk. säll.	1378. Förhandlingar vid Svenska läkaresällskapets. Stockholm.
Fogorv. szemle	1379. Fogorvosi szemle. Budapest.
Fol. biotheor., Leiden	1380. Folia biotheoretica. Leiden.
Fol. card., Milano	1381. Folia cardiologica. Milano.
Fol. clin. orient., Tel Aviv	1382. Folia clinica Orientalia. Tel-Aviv.
Fol. endocr., Pisa	1383. Folia endocrinologica. Pisa.
Folks guezunt, B. Air.	1384. Folks (Far'n) guezunt. Buenos Aires.
Fol. neurob., Haarlem	1385. Folia neuro-biologica. Haarlem; Leipzig.
Fol. path., Istanbul	1386. Folia pathologica. Istanbul.
Fol. phoniat., Basel	1387. Folia phoniatrica. Basel.
Fol. psychiat. &c. neerl.	1388. Folia psychiatrica, neurologica et neurochirurgica Neerlandica. Amsterdam.
Fol. psychiat. neur. jap.	1389. Folia psychiatrica et neurologica Japonica. Okayama.
Fol. ther., Berl.	1390. Folia therapeutica. Berlin.
Fontilles, Valencia	1391. Fontilles. Valencia.
Food Drug &c. Rev.	1392. Food, drug, and insecticide review. Washington.
Food & Drug Rev.	1393. Food and drug review. Washington.
Food Sc. Abstr., Lond.	1394. Food science abstracts. London.
Foreign News Lett., Wash.	1395. Foreign news letter (Division of Medical Sciences; National Research Council) Washington.
Foreign Serv. Bull., Phila.	1396. Foreign service bulletin (American Friends Service Committee) Philadelphia.
Forenses, Madr.	1397. Forenses. Madrid.
Forge, Phoenixville	1398. Forge (The) (Valley Forge General Hospital; U. S. Army) Phoenixville, Pa.
Forh. Dansk kirurg. selsk.	1399. Forhandlinger; Dansk kirurgisk selskab. København, &c.
Forh. Dansk selsk. int. med.	1400. Forhandlinger; Dansk selskab for intern medicin. København.
Forh. Københ. med. selsk.	1401. Forhandlinger; Københavnske medicinske selskab. København.
Forh. Med. selsk. København	1402. Forhandlinger; Medicinske selskab i København. København.
Forh. Nord. kir. foren.	1403. Forhandlinger ved Nordisk kirurgisk forenings. Oslo, &c.
For Iowa's Health	1404. For Iowa's health. Des Moines.
Forsch. & Fortsch.	1405. Forschungen und Fortschritte. Berlin.
Fortsch. Orthodont.	1406. Fortschritte der Orthodontik in Theorie und Praxis. Berlin.
Fortsch. Zool.	1407. Fortschritte der Zoologie. Jena.
Framingham Monogr.	1408. Framingham monograph. Framingham, Mass.
France méd. Croix Rouge	1409. France médicale; édition médicale de France Croix-Rouge. Paris.
Franche-Comté & Montbéliard	1410. Franche-Comté et Montbéliard. Besançon.
Franco Brit. M. Rev., Lond.	1411. Franco-British (The) medical review. London.
Freie Apoth. Stimmen, Wien	1412. Freie Apotheker-Stimmen. Wien.
Freund d. Kranken	1413. Freund (Der) der Kranken. Basel.
Friuli med.	1414. Friuli (Il) medico. Udine.
Fronte san., Genova	1415. Fronte sanitario. Genova.
Froriep's Notiz., Jena	1416. Froriep's Notizen aus dem Gebiete der Natur- und Heilkunde. Jena.
Fukuoka ikwadaigaku zassi	1417. Fukuoka ikwadaigaku zassi. Fukuoka.
Fungus, Amersfoort	1418. Fungus. Amersfoort.

G

Gac. farm., Caracas	1419. Gaceta farmacéutica. Caracas.
Gac. méd., Guayaquil	1420. Gaceta médica. Guayaquil.
Gac. méd. Ciudad Bolívar	1421. Gaceta médica de Ciudad Bolívar. Ciudad Bolivar, Venez.

Gac. méd. norte, Bilbao	1422. Gaceta médica del norte. Bilbao.
Gakko eisei	1423. Gakkō eisei. Tokyo.
Galenica, Genève	1424. Galenica. Genève.
Galénica acta, Madr.	1425. Galénica acta. Madrid.
Gallica biol. acta	1426. Gallica biologica acta. Paris.
Gartnavel Gaz.	1427. Gartnavel (The) gazette. Glasgow.
Gastroenter. bohema	1428. Gastro-enterologia Bohema. Praha.
Gateway to Health	1429. Gateway (The) to health. New York.
Gaz. Fac. Med., Cairo	1430. Gazette of the Faculty of Medicine. Cairo.
Gaz. farm., Rio	1431. Gazeta (A) da farmacia. Rio de Janeiro.
Gaz. méd. limousine	1432. Gazette (La) médicale limousine et Limousin médical. Limoges.
Gaz. méd. port.	1433. Gazeta médica portuguesa. Lisboa.
Gazz. san.	1434. Gazzetta sanitaria. Milano.
Geisteskrankenpflege	1435. Geisteskrankenpflege. Halle a S.
Geka	1436. Geka. Tokyo.
Gemeinnütz. med. Mag. (J. H. Rahn) Zür.	1437. Gemeinnütziges medizinisches Magazin (J. H. Rahn) Zürich.
GEN, Caracas	1438. G[astroenterología]E[ndocrinología y]N[utrición] Caracas.
Gen. Bull. Soc. N. York Hosp.	1439. General bulletin; the Society of the New York Hospital. New York.
Geneesk. tschr. Rijksverzek.	1440. Geneeskundig tijdschrift der Rijksverzekeringsbank. Amsterdam.
Gen. M. Interest Lett., Ottawa	1441. General medical interest letter. Ottawa.
Gen. Pract., Lond.	1442. General practice and review of British and foreign medicine. London.
Germs, N. Y.	1443. Germs. New York.
Gesetze Lebensmitt.	1444. Gesetze und Verordnungen sowie Gerichtsentscheidungen betreffend Lebensmittel. München.
Gesetze Nahr. & Genussmitt., Berl.	1445. Gesetze und Verordnungen sowie Gerichtsentscheidungen betreffend Nahrungs- und Genussmittel und Gebrauchsgegenstände. Berlin.
Gesundheitsdienst, Praha	1446. Gesundheitsdienst für's Volk. Praha.
Gesundheitsführung	1447. Gesundheitsführung (Die) Berlin.
Gesundh. & Leben, Krakow	1448. Gesundheit und Leben; Amstblatt der Gesundheitskammer im Generalgouvernement. Krakow.
Ges. Vortr. Aerztl. Fortbild. Bad Kissingen	1449. Gesammelte Vorträge des Aerztlichen Fortbildungskurses, Bad Kissingen. Würzburg.
Gezondheidsblad, Amst.	1450. Gezondheidsblad ter onderrigting en waarschuwing voor allen die prijs stellen op leven en gezondheid. Amsterdam.
GHA news	1451. G[roup]H[ealth]A[ssociation] news. Washington.
Gin. & akush.	1452. Ginekologia i akusherstvo. Moskva.
Gior. ital. oft.	1453. Giornale italiano di oftalmologia. Firenze.
Gior. ital. tuberc.	1454. Giornale italiano della tubercolosi. Milano.
Gior. med. Marca trevig.	1455. Giornale medico della Marca trevigiana. Treviso.
Gior. med. nap.	1456. Giornale medico napolitano. Napoli.
Gior. sc. arti, Fir.	1457. Giornale di scienze ed arti. Firenze.
Gior. toscano sc. med.	1458. Giornale toscano di scienze mediche, fisiche e naturali. Pisa.
Glasgow Health Bull.	1459. Glasgow health bulletin. Glasgow.
Glasnik za staleš. zdrav. pitanj.	1460. Glasnik za staleška i zdravstvena pitanja. Zagreb.
Godishn. Sofiisk. univ.	1461. Godishnik na Sofiiskia universitet. Sofia.
Godishn. Sofiisk. univ. Med. fak.	1462. Godishnik na Sofiiskia universitet; Medicinski fakultet. Sofia.
Göteborgs läk. säll. förh.	1463. Göteborgs läkaresällskaps förhandlingar. Stockholm.
Götting. Anz.	1464. Göttingische Anzeigen von gelehrten Sachen. Göttingen.
Grandgousier	1465. Grandgousier. Paris.
Grant M. Coll. Mag., Bombay	1466. Grant Medical College magazine. Bombay.
Gr. Britain Flying Pers. Res. Com.	1467. [Great Britain] Flying Personnel Research Committee. London.
Gremio méd., Caracas	1468. Gremio médico. Caracas.
Grenzgeb. Med.	1469. Grenzgebiete der Medizin. München.
Gross-Berl. Aerztebl.	1470. Gross-Berliner Aerzteblatt. Berlin.
Gruźlica.	1471. Gruźlica. Warszawa.
Guía of. baln. España	1472. Guía oficial de los balnearios y aguas mineromedicinales de España. Madrid.
Guide to Pub. Res. Atom. Energy, Oak Ridge	1473. Guide to published research on atomic energy. Oak Ridge, Tenn.
Guildcraft, Phila.	1474. Guildcraft. Philadelphia.

H

Hahnemannian	1475. Hahnemannian (The) Philadelphia, &c.
Halfyear. Rep. Austral. Inst. Trop. M.	1476. Half-yearly reports; Australian Institute of Tropical Medicine. Townsville.
Hamdard i sehat, Delhi	1477. Hamdard-i-sehat. Delhi.
Handb. Deut. Apoth.	1478. Handbuch der Deutschen Apothekerschaft. Berlin.
Handel. Klin. genoot. Rotterdam	1479. Handelingen van het Klinisch genootschap te Rotterdam. Rotterdam.
Handicap, Wash.	1480. Handicap. Washington.
Hansen, Cali	1481. Hansen. Cali, Colombia.
Harlem Hosp. Bull. (N. Y.)	1482. Harlem (The) Hospital bulletin (New York) Baltimore.
Harveian Rev., Loma Linde	1483. Harveian (The) review of the College of Medical Evangelists. Loma Linde, Calif.
Haver-Glover Messenger	1484. Haver-Glover messenger. Kansas City, Mo.
Health, Madison	1485. Health. Madison.
Health, N. Y.	1486. Health. New York.
Health Activ. Bull., Phoenix	1487. Health activities bulletin. Phoenix.
Health Builder	1488. Health (The) builder. Garden City, N. Y.
Health Bull., Bakersfield	1489. Health bulletin. Bakersfield, Calif.
Health Bull., Delhi	1490. Health bulletin. Delhi, &c.
Health Bull. Teachers, N. Y.	1491. Health bulletin for teachers. New York.
Health Center J., Columbus	1492. Health Center journal. Columbus, Ohio.
Health Comment., Seattle	1493. Health (The) commentator. Seattle.
Health Educ., Johannesb.	1494. Health education. Johannesburg.
Health & Empire, Lond.	1495. Health and empire. London.
Health Express, Jacksonv.	1496. Health express. Jacksonville, Fla.
Health Finder, Simsbury	1497. Health finder. Simsbury, Conn.
Health from Herbs, Lond.	1498. Health from herbs. London.
Health (Homeop.) Lond.	1499. Health through homeopathy. London.
Health & Life, Lond.	1500. Health and life. London.
Health & Midwif., Tokyo	1501. Health and midwifery. Tokyo.
Health News Lett., Provid.	1502. Health news letter. Providence.
Health Notes, Adelaide	1503. Health notes. Adelaide.
Health Notes S. Australia	1504. Health notes for South Australia. Adelaide.
Health Panorama, Austin	1505. Health panorama. Austin.
Health Pract. Pamphl., Chic.	1506. Health practices pamphlet. Chicago.
Health Progr. (N. Jersey)	1507. Health progress (New Jersey Health and Sanitary Association) Freehold.
Health Rev., Provid.	1508. Health review. Prividence.
Health S. Australia	1509. Health for South Australia. Adelaide.
Health Unlimit., S. Franc.	1510. Health unlimited. San Francisco.
Health (U. S. War Dep. Surg. Gen. Off.)	1511. Health (U. S. War Department. Surgeon General's Office) Washington.
Healthways	1512. Healthways. Webster City, Iowa.
Health & Welf. Notes, Augusta	1513. Health and welfare notes. Augusta, Maine.
Hearing Aid, S. Paul	1514. Hearing aid. St. Paul.
Heer. Druckvorschr.	1515. Heeres-Druckvorschrift; Oberkommando des Heeres. Berlin.
Heilbrigðisskýrslur	1516. Heilbrigðisskýrslur. Reykjavík.
Heilpädag. Werkbl., Luzern	1517. Heilpädagogische Werkblätter. Luzern.
Helbredelse, Kbh.	1518. Helbredelse. København.
Helsowännen, Stockh.	1519. Helsowännen. Stockholm.
Hemat. Monogr.	1520. Hematology monographs. Chicago.
Henry's Private Adviser	1521. Henry's private adviser. Rossville, Md.
Heredity, Lond.	1522. Heredity. London.
Heure méd., Par.	1523. Heure (L') médicale. Paris.
Hig. & salub., Bogotá	1524. Higiene y salubridad. Bogotá.
Hig. san., Montev.	1525. Higiene sanitaria. Montevideo.
Hig. tr., Moskva	1526. Higiena truda. Moskva.
Hihu & hitunyo	1527. Hihu to hitunyō. Hukuoka.
Hihuka seibyoka zassi	1528. Hihuka seibyoka zassi. Tokyo.
Hippocrate, Par.	1529. Hippocrate. Paris.
Hippocrates, Lond.	1530. Hippocrates. London.
Hist. Ser. U. S. Nat. Tuberc. Ass.	1531. Historical series; [United States] National Tuberculosis Association. New York.
HNO, Berl.	1532. H(als),N(ase),O(hr) Berlin.
Hörrohr	1533. Hörrohr (Das) Leipzig.
Hoken igaku zassi	1534. Hoken igaku zassi. Tokyo.
Hoken ziho	1535. Hoken zihō. Tokyo.
Hokkaidō igaku zassi	1536. Hokkaidō igaku zassi. Sapporo.
Hokkaido sika-isikai-si	1537. Hokkaido sika-isikai-si. Sapporo.

Hokuetu igakkai zassi	1538. Hokuetu igakkai zassi. Niigata.
Homo, Stuttg.	1539. Homo. Stuttgart.
Homoeopathy, Lond.	1540. Homoeopathy. London.
Homoeop. mbl., Arnhem	1541. Homoeopathisch maandblad. Arnhem, Zwolle.
Homöop. Zschr.	1542. Homöopathische Zeitschrift. Berlin.
Honzo, Tokyo	1543. Honzō. Tokyo.
Hoppo igaku	1544. Hoppō igaku. Sapporo.
Hormoon	1545. Hormoon (Het) 's-Hertogenbosch, &c.
Hosp. argent.	1546. Hospital (El) argentino. Buenos Aires.
Hosp. Bull. Levi Mem. Hosp., Hot Springs	1547. Hospital bulletin; Leo N. Levi Memorial Hospital. Hot Springs, Ark.
Hosp. concentr., Torreón	1548. Hospital de concentración. Torreón, Méx.
Hospital, Tokyo	1549. Hospital. Tokyo.
Hospitalia, Brux.	1550. Hospitalia. Bruxelles.
Hospitalis, Zür.	1551. Hospitalis. Zürich.
Hosp. Rev., Williamsbridge	1552. Hospital review. Williamsbridge.
Hsin chung hua i yao yüeh k'an	1553. Hsin chung hua i yao yüeh k'an. Chungking.
Hukuoka ikadaigaku zassi	1554. Hukuoka ikadaigaku zassi. Hukuoka.
Human Organiz., N. Y.	1555. Human organization. New York.
Human Relations, Lond.	1556. Human relations. London.
Hungar. acta med.	1557. Hungarica acta medica. Budapest.
Hungar. acta physiol.	1558. Hungarica acta physiologica. Budapest.
Hygienist, Denver	1559. Hygienist (The) Denver.
Hyg. par exemple	1560. Hygiène (L') par l'exemple, ligue d'hygiène scolaire. Paris.
Hyg. rev., Lund	1561. Hygienisk revy. Lund, &c.
Hyg. Rev., S. Ant.	1562. Hygienic review (Dr. Shelton's) San Antonio, Tex.
Hyg. tskr., Stockh.	1563. Hygienisk tidskrift. Stockholm.

I

Iconogr. derm., Kyoto	1564. Iconographia dermatologica, syphilidologica et urologica. Kyoto.
Igaku	1565. Igaku. Tokyo.
Igaku chuo zassi	1566. Igaku chuo zassi. Tokyo.
Igaku kenkyu	1567. Igaku kenkyū. Hukuoka.
Igaku & minsei	1568. Igaku to minsei. Kiriu City.
Igaku no ayumi	1569. Igaku no ayumi. Tokyo.
Igaku & seibutugaku	1570. Igaku to seibutugaku. Tokyo.
Igaku soran	1571 Igaku sōran. Tokyo.
Igaku tusin	1572. Igaku tusin. Tokyo.
Igyo & syakai	1573. Igyō to syakai. Tōkyō.
Ikai ziho	1574. Ikai zihō. Tōkyō.
Ika kikaigaku zassi	1575. Ika-kikaigaku zassi. Tokyo.
Illini Scope	1576. Illini (The) scope. Chicago.
Illust. Annual Phrenol., N. Y.	1577. Illustrated (The) annual of phrenology and physiognomy. New York.
Immunité	1578. Immunité (L') Paris.
Impressions, N. Orl.	1579. Impressions. New Orleans.
Ind. Dent. Rev.	1580. Indian (The) dental review. Karachi.
Ind. & East. Chemist, Calc.	1581. Indian and eastern chemist. Calcutta.
Indianap. M. Soc. Bull.	1582. Indianapolis Medical Society bulletin. Indianapolis.
Individ. Psychol. Bull.	1583. Individual psychology bulletin. Chicago.
Ind. J. Malariol.	1584. Indian journal of malariology. Calcutta.
Ind. J. M. & S.	1585. Indian (the) journal of medicine & surgery. Banga.
Ind. J. Pharm.	1586. Indian (The) journal of pharmacy. Benares.
Ind. M. Guide	1587. Indian medical guide. Bombay.
Indust. Bull., N. Y.	1588. Industrial bulletin. New York.
Indust. Doctor	1589. Industrial (The) doctor. Buffalo.
Indust. farm. venezol.	1590. Industria farmacéutica venezolana. Caracas.
Indust. Health, Chic.	1591. Industrial health. Chicago.
Indust. Health Rev., Ottawa	1592. Industrial health review. Ottawa.
Indust. Hyg., N. Y.	1593. Industrial hygiene (Division of Industrial Hygiene; New York State Department of Labor) New York.
Indust. Hyg. Abstr., Wash.	1594. Industrial hygiene abstracts. Washington.
Indust. Nurses Digest	1595. Industrial (The) nurses' digest. New York.
Infancia, B. Air.	1596. Infancia. Buenos Aires.
Infect. Wounds & Burns Rep. (OSRD) Wash.	1597. Infected wounds and burns report (Committee on Medical Research of the Office of Scientific Research and Development) Washington.

Inferm. ital.
Inferm. laica, Milano
Inform. Congr. panamer. oft.

Inform. dent., Madr.

Informe anual Serv. esp. profil. Bolivia

Inform. épidem., Alexandrie
Inform. Inst. nac. hig. Ecuador

Inform. lucha antituberc. España

Inform. med., Genova
Inform. méd. quir., Zaragoza
Inform. Progr. Rep. Toxicity &c. (Univ. Chicago Toxicity Laborat.)

Infortun. traumat. lavoro
Insectic. Abstr., Lond.

Insight, N. Y.
Instant. méd., Par.
Instruct. Course Lect. Am. Acad. Orthop. Surgeons
Intercamb. urol., Barcel.

Inter Exter, Par.
Interim. Rep. Com. Social Secur. Australia

Internac. med. rev., Brux.
Internat. Arch. Allergy, Basel

Internat. Child Welf. Rev., Genève
Internat. Digest Health Legisl., Genève
Internat. Health Bull., Genève

Internat. J. Indivd. Psychol.

Internat. J. Sex., Bombay
Internat. M. Abstr., Calc.

Internat. Neomalth. Birth Control Conf.
Internat. Nurs. Bull., Lond.
Internat. Rev. Chiropr.

Internat. Zschr. Alkohol., Berl.

Internat. Zschr. Vitaminforsch., Bern

Interprof. Bull., N. Y.

Iodine Facts, Lond.
Iowa Pharmacist
Irish Chemist
Irish Nurs. News
Irkutsk. med. J.
Iryo
Isotopes Branch Circ.

Italia med.
ITA Topics

Iwate igakkai zassi
Iwate igaku gakko zassi
Izi eisei
Izv. Akad. nauk SSSR, otdel. khim., Moskva
Izv. Biol. nauch. issledov. inst., Perm

1598. Infermiera (L') italiana. Roma.
1599. Infermiera (L') laica. Milano.
1600. Informes, comunicaciones y actas; Congreso panamericano de oftalmología. Montevideo.
1601. Información dental del Colegio oficial de odontólogos de la 1.ª región. Madrid.
1602. Informe anual; Servicio especial de profilaxia Bolivia. Cochabamba.
1603. Informations epidémiologiques. Alexandrie, Egypt.
1604. Informe de labores; Instituto nacional de higiene Leopoldo Izquieta Pérez, Ecuador. Guayaquil.
1605. Información sobre la lucha antituberculosa en España y memoria; Patronato nacional antituberculoso. Madrid.
1606. Informatore (L') medico. Genova.
1607. Información médico-quirúrgica. Zaragoza.
1608. Informal [bi-monthly] progress report on toxicity and irritancy of chemical agents (University of Chicago Toxicity Laboratory) Chicago.
1609. Infortunistica e traumatologie del lavoro. Torino.
1610. Insecticide abstracts and news summary; Inter-Departmental Insecticide Committees. London.
1611. Insight. New York.
1612. Instantanés (Les) médicaux. Paris.
1613. Instructional course lectures; American Academy of Orthopaedic Surgeons. Ann Arbor.
1614. Intercambio urológico por correspondencia. Barcelona, &c.
1615. Inter-Exter. Paris.
1616. Interim report from the Joint Committee on Social Security; Parliament of the Commonwealth of Australia. Canberra.
1617. Internacia medicina revuo. Bruxelles.
1618. International archives of allergy and applied immunology. Basel.
1619. International child welfare review. Genève.
1620. International digest of health legislation. Genève.
1621. International health bulletin of the League of Red Cross Societies. Genève.
1622. International journal of individual psychology. Chicago.
1623. International (The) journal of sexology. Bombay.
1624. International medical abstracts & reviews. Calcutta.
1625. International neo-Malthusian and birth control conference. New York.
1626. International (The) nursing bulletin. London.
1627. International review of chiropractic. Davenport, Iowa.
1628. Internationale Zeitschrift gegen den Alkoholismus. Berlin.
1629. Internationale Zeitschrift für Vitaminforschung. Bern.
1630. Interprofessional (The) bulletin of the New York Association for the Advancement of Professional Pharmacy. New York.
1631. Iodine facts. London.
1632. Iowa (The) pharmacist. Des Moines.
1633. Irish (The) chemist and druggist. Dublin.
1634. Irish (The) nursing news. Dublin.
1635. Irkutskii medicinskii jurnal. Irkutsk.
1636. Iryō. Tokyo.
1637. Isotopes Branch circular; United States Atomic Energy Commission. Oak Ridge, Tenn.
1638. Italia (L') medica. Milano.
1639. I. T. A. topics [Iowa Tuberculosis Association] Des Moines.
1640. Iwate igakkai zassi. Morioka.
1641. Iwate igaku senmon gakkō zassi. Morioka.
1642. Izi eisei. Tōkyō.
1643. Izvestia Akademii nauk SSSR, otdelenie khimicheskikh nauk. Moskva.
1644. Izvestia Biologicheskogo nauchnoissledovatelskogo instituta. Perm.

J

Jaarb. genees &c. kunde	1645. Jaarboeken der genees- heel- en natuurkunde. Amsterdam.
Jaarversl. Afd. trop. hyg. Indisch inst., Amst.	1646. Jaarverslag der Afdeling tropische hygiene; K. Vereeniging Indisch instituut. Amsterdam.
Jaarversl. Gemeent. geneesk. dienst Rotterdam	1647. Jaarverslag; Gemeentelijke geneeskundige- en gezondheidsdienst, Rotterdam. Rotterdam.
Jaarversl. Vereen. Ind. inst., Amst.	1648. Jaarverslag; Vereeniging Indisch Instituut. Amsterdam.
Jacksonville Health Digest	1649. Jacksonville health digest. Jacksonville, Fla.
J. Acoust. Soc. America	1650. Journal (The) of the Acoustical Society of America. Lancaster, Pa.
Jahrb. Ambul. Verb. Krankenkass. Berlin	1651. Jahrbuch der Ambulatorien des Verbandes der Krankenkassen Berlin. Berlin.
Jahrber. Deut. Kriegerkurh. Davos	1652. Jahresbericht; Deutsches Kriegerkurhaus, Davos-Dorf. Leipzig.
Jahrber. Inst. Tuberkforsch. Kanazawa	1653. Jahresberichte des Instituts für Tuberkuloseforschung der Medizinischen Fakultät, Kanazawa. Kanazawa.
Jahrber. Kurasiki Zentr. Hosp.	1654. Jahresbericht des Kurasiki-Zentralhospital. Kurasiki.
Jahrb. Volksgesundh., Zür.	1655. Jahrbuch Volksgesundheit. Zürich.
Jahrb. Zahnarzt.	1656. Jahrbuch des Zahnarztes. Leipzig.
J. All India Dent. Ass.	1657. Journal of the All-India Dental Association. Calcutta.
J. Am. Acad. Appl. Nutrit.	1658. Journal of the American Academy of Applied Nutrition. Los Angeles.
Jamaica (N. Y.) Hosp. News	1659. Jamaica Hospital news. Jamaica, N. Y.
J. Am. Ass. Health	1660. Journal of the American Association for Health, Physical Education and Recreation. Washington.
J. Am. Ass. M. Rec. Librarians	1661. Journal of the American Association of Medical Record Librarians. Chicago.
J. Am. Naturopath. Ass.	1662. Journal (The) of the American Naturopathic Association. Pella, Iowa.
J. androl., Rio	1663. Jornal de andrologia. Rio de Janeiro.
J. Antibiot., Tokyo	1664. Journal of antibiotics. Tokyo.
Jap. Dent. Rev.	1665. Japan dental review (Nippon sika hyōron) Tokyo.
Jap. deut. Zschr. Wiss., Kobe	1666. Japanisch-deutsche Zeitschrift für Wissenschaft und Technik. Kobe.
Jap. J. Bact.	1667. Japanese journal of bacteriology. Tokyo.
Jap. J. Constit. M.	1668. Japanese (The) journal of constitutional medicine. Kyoto.
Jap. J. Derm. Vener.	1669. Japanese (The) journal of dermatology and venereology. Tokyo.
Jap. J. Hyg.	1670. Japanese journal of hygiene. Tokyo.
Jap. J. Neur.	1671. Japanese (The) journal of neurology and psychiatry. Tokyo.
Jap. J. Nurs.	1672. Japanese (The) journal of nursing. Tokyo.
Jap. J. Nutrit.	1673. Japanese (The) journal of nutrition. Tokyo.
Jap. J. Otorhinolar.	1674. Japanese journal of otorhinolaryngology. Tokyo.
Jap. J. Sc. Labor	1675. Japanese (The) journal of science of labour. Tokyo.
Jap. J. Urol.	1676. Japanese (The) journal of urology. Tokyo.
Jap. J. Vener. Dis.	1677. Japanese (The) journal of venereal diseases. Tokyo.
Jap. med. Wschr.	1678. Japanische medizinische Wochenschrift. Tokyo.
Jap. M. J.	1679. Japanese (The) medical journal. Tokyo.
Jap. M. J. (w.)	1680. Japanese medical journal (weekly) Tokyo.
J. Appl. Physiol.	1681. Journal of applied physiology. Washington.
Jap. Zschr. Mikrob.	1682. Japanische Zeitschrift für Mikrobiologie und Pathologie. Kyōto.
J. Ass. Mil. Dent. Surg. U. S.	1683. Journal of the Association of Military Dental Surgeons of the United States. New York.
J. Ass. M. Women India	1684. Journal of the Association of Medical Women in India. Calcutta.
J. Ayurveda, N. Delhi	1685. Journal (The) of Ayurveda. New Delhi.
J. belge gastroentér.	1686. Journal belge de gastro-entérologie. Bruxelles.
J. belge radiol.	1687. Journal belge de radiologie. Bruxelles.
J. belge urol.	1688. Journal belge d'urologie. Bruxelles.
J. brasil. neur.	1689. Jornal brasileiro de neurologia. Rio de Janeiro.
J. brasil. psiquiat.	1690. Jornal brasileiro de psiquiatria. Rio de Janeiro.
J. Brit. Ass. Chemists	1691. Journal (The) of the British Association of Chemists. London.

J. Canad. Physiother. Ass.	1692. Journal (The) of the Canadian Physiotherapy Association. Toronto.
J. Chemother., Tokyo	1693. Journal (The) of chemotherapy & hormone therapy. Tokyo.
J. Child Psychiat.	1694. Journal (The) of child psychiatry. New York.
J. Chiropr. Spinogr.	1695. Journal of chiropractic spinography. Detroit.
J. Clark Co. M. Soc.	1696. Journal (The); Clark County Medical Society. Springfield, Ohio.
J. Clin. M., Shanghai	1697. Journal (The) of clinical medicine. Shanghai.
J. Clin. Path., Lond.	1698. Journal of clinical pathology. London.
J. Clin. Psychopath.	1699. Journal of clinical psychopathology and psychotherapy. Monticello, N. Y.
J. Colloid Sc.	1700. Journal of colloid science. New York.
J. Constit. M., Kyoto	1701. Journal (The) of constitutional medicine. Kyoto.
J. Docum., Lond.	1702. Journal of documentation. London.
Jefferson M. Coll. Alumni Bull.	1703. Jefferson Medical College Alumni bulletin. Philadelphia.
Jelent. Orsz. Közegészs. Int.	1704. Jelentés; Magyar Királyi Országos Közegészsegügyi Intézet. Budapest.
Jena. Zschr. Med.	1705. Jenaische Zeitschrift für Medizin und Naturwissenschaft. Leipzig; Jena.
J. Fac. M. Iraq	1706. Journal of the Faculty of Medicine of Iraq. Baghdad.
J. Fac. Sc. Hokkaido Univ.	1707. Journal of the Faculty of Science; Hokkaido Imperial University. Sapporo.
J. fr. méd. chir. thorac.	1708. Journal français de médecine et chirurgie thoracique. Paris.
J. Hirosima M. Ass.	1709. Journal of Hirosima Medical Association. Hirosima.
J. Ind. Anthrop. Inst.	1710. Journal (The) of the Indian Anthropological Institute. Calcutta.
J. Ind. Army M. Corps	1711. Journal of the Indian Army Medical Corps. Poona.
J. Irish Dent. Ass.	1712. Journal (The) of the Irish Dental Association. Dublin.
J. Jap. Baln. Clim. Ass.	1713. Journal of Japanese Balneo-Climatological Association. Tokyo.
J. Jap. Dent. Ass.	1714. Journal of the Japan Dental Association. Tokyo.
J. Jap. Gyn. Soc.	1715. Journal of the Japanese Gynecological Society. Tokyo.
J. Jap. M. Ass.	1716. Journal (The) of the Japan Medical Association. Tokyo.
J. Jap. Orthop. Surg. Soc.	1717. Journal of Japanese Orthopoedic Surgical Society. Tokyo.
J. Jap. Physiol. Soc.	1718. Journal of Japanese Physiological Society. Tokyo.
J. Jap. Pract. Surg. Soc.	1719. Journal of the Japanese Practical Surgeon Society. Tokyo.
J. Jap. Soc. Food & Nutrit.	1720. Journal of Japanese Society of Food and Nutrition. Tokyo.
J. Jap. Soc. Int. M.	1721. Journal of Japanese Society of Internal Medicine. Tokyo.
J. Jap. Vet. M. Ass.	1722. Journal of the Japanese Veterinary Medical Association. Tokyo.
J. Juzen M. Soc.	1723. Journal of Jûzen Medical Society. Kanazawa.
J. Kansas City Dent. Soc.	1724. Journal (The) Kansas City District Dental Society. Kansas City, Mo.
J. Kentucky Dent. Ass.	1725. Journal of the Kentucky State Dental Association. Louisville.
J. Kinki Gyn. Soc.	1726. Journal of the Kinki Gynecological Society. Kyoto.
J. Kumamoto M. Soc.	1727. Journal of the Kumamoto Medical Society. Kumamoto.
J. M. Ass. Formosa	1728. Journal of the Medical Association of Formosa. Taihoku.
J. Med. Coll. Keizyo (Seoul)	1729. Journal of the Medical College in Keizyō (Seoul) Keizyō.
J. Med. Phys. Res.	1730. Journal (The) of medico-physical research. Chicago.
J. méd. vét., Par.	1731. Journal de médecine vétérinaire et comparée. Paris.
J. Michigan Druggists	1732. Journal (The) for Michigan druggists. Detroit.
J. Mississippi Dent. Ass.	1733. Journal (The); Mississippi Dental Association. McComb.
J. Neur., Lond.	1734. Journal of neurology, neurosurgery and psychiatry (Title varies: Journal of neurology and psychiatry) London.
J. North. California Dent. Assist. Ass.	1735. Journal of the Northern California Dental Assistants Association. San Francisco.
J. N. York State Optometr. Ass.	1736. The journal of the New York State Optometric Association. New York.

J. N. York Tuberc. Ass.	1737. Journal; New York Tuberculosis and Health Association. New York.
J. obshch. biol., Moskva	1738. Jurnal obshchei biologii. Moskva.
J. obshch. khim.	1739. Jurnal obshchei khimii. Moskva.
J. Ohio Dent. Ass.	1740. Journal of the Ohio State Dental Association. Columbus.
J. opht. sociale, Par.	1741. Journal d'ophtalmologie sociale. Paris.
Jordemodern	1742. Jordemodern. Stockholm.
Jornada méd., B. Air.	1743. Jornada médica. Buenos Aires.
Jornadas clín. verano, Viña d. Mar	1744. Jornadas clínicas de verano. Viña del Mar.
Jornadas rioplat. obst.	1745. Jornadas rioplatenses de obstetricia y ginecología. Buenos Aires.
Jornadas venezol. puericult.	1746. Jornadas venezolanas de puericultura y pediatría. Caracas.
J. Pediat. Prax., Tokyo	1747. Journal for pediatric praxis. Tokyo.
J. Penicillin, Tokyo	1748. Journal of penicillin. Tokyo.
J. Pharm., Lond.	1749. Journal (The) of pharmacy and pharmacology. London.
J. Pharm. Ass. Siam	1750. Journal of the Pharmaceutical Association of Siam. Bangkok.
J. Pharm. Soc. Japan	1751. Journal of the Pharmaceutical Society of Japan. Tokyo.
J. Philadelphia Gen. Hosp.	1752. Journal (The) of the Philadelphia General Hospital. Philadelphia.
J. Philippine Dent. Ass.	1753. Journal (The) of the Philippine Dental Association. Manila.
J. Philippine Pharm. Ass.	1754. Journal of the Philippine Pharmaceutical Association. Manila.
J. phys., Par.	1755. Journal de physique théorique et appliquée. Paris.
J. Phys. Educ., Lond.	1756. Journal of physical education. London.
J. physiol., Par.	1757. Journal de physiologie [et de pathologie générale] (title varies) Paris.
J. priklad. khim., Moskva	1758. Jurnal prikladnoi khimii. Moskva.
J. Psychiat. Social Work	1759. Journal of psychiatric social work. New York.
J. Pub. Health, Tokyo	1760. Journal (The) of public health. Tokyo.
J. radiol., Brux.	1761. Journal de radiologie. Bruxelles.
J. Radiol., Kanazawa	1762. Journal of radiology and physical therapy in Kanazawa. Kanazawa.
J. Res. Bur. Stand.	1763. Journal of research; Bureau of Standards; U. S. Department of Commerce. Washington.
J. S. Afr. Soc. Physiother.	1764. Journal of the South African Society of Physiotherapists. Capetown.
J. S. Antonio Dent. Soc.	1765. Journal (The) of the San Antonio District Dental Society. San Antonio, Tex.
J. Social Casework	1766. Journal of social casework. Albany.
J. Soc. Org. Synth. Chem. Japan	1767. Journal (The) of the Society of Organic Synthetic Chemistry, Japan. Tokyo.
J. Southeast. Res., Atlanta	1768. Journal (The) of Southeastern research. Atlanta.
J. South Ind. M.	1769. Journal of South Indian medicine. Madras.
J. South. Res.	1770. Journal (The) of Southern research. Atlanta.
J. Speech Disord.	1771. Journal (The) of speech [and hearing] disorders (title varies) Columbus, &c.
J. Straits M. Ass., Singapore	1772. Journal of the Straits Medical Association. Singapore.
J. Texas Pub. Health Ass.	1773. Journal of the Texas Public Health Association. Austin.
J. Tyosen M. Ass.	1774. Journal of the Tyōsen Medical Association. Tyōsen.
Jungarzt	1775. Jungarzt (Der) Berlin.
J. Vener. Dis. Inform.	1776. Journal (The) of venereal disease information. Washington.
J. Vichy	1777. Journal de Vichy. Vichy.
J. Yokohama M. Ass.	1778. Journal (The) of Yokohama Medical Association. Yokohama.

K

Kagaku	1779. Kagaku. Tokyo.
Kaigun gun ikai zassi	1780. Kaigun gun-ikai zassi. Tokyo.
Kaiho Rengo sika igaku sei kai, Tokyo	1781. Kaihō; Rengō sika igaku-sei kai. Tokyo.
Kanko sikiso	1782. Kankō sikiso. Kyōto.
Kanpo & kanyaku	1783. Kanpō to kanyaku. Tokyo.
Kansas Cancer Bull.	1784. Kansas cancer bulletin. Topeka.
Kansas Cancer News	1785. Kansas (The) cancer news. Topeka.

Kar Med. Coll. Mag., Calc.	1786. Kar (R. G.) Medical College magazine. Calcutta.
Keio igaku	1787. Keio igaku. Tokyo.
Keio kiseityugaku bu gyoseki syu	1788. Keiō gizyuku daigaku igaku-bu kiseityūgaku-bu gyoseki syū. Tokyo.
Kenko hoken	1789. Kenkō hōken. Tokyo.
Kenkyu hokoku Byorigaku kyositu Keio daigaku	1790. Kenkyū hōkoku; Byōrigaku kyōsitu; Igaku-bu: Keiō gizyuku daigaku. Tokyo.
Kenkyu hokoku Hoten zyueki kenkyuzyo	1791. Kenkyū hōkoku; Hōten zyūeki kenkyūzyo. Hōten, Manchuria.
Kentucky Pharmacist	1792. Kentucky (The) pharmacist. Louisville.
Kenya M. J.	1793. Kenya (The) medical journal. Nairobi.
Keystone Mag. Optometry	1794. Keystone magazine of optometry. Philadelphia.
Khim. farm. promyshl.	1795. Khimiko-farmacevticheskaia promyshlennost. Moskva.
Khir. & ortop., Sofia	1796. Khirurgia i ortopedia. Sofia.
Kinderfehler, Langensalza	1797. Kinderfehler (Die); Zeitschrift für pädagogische Pathologie und therapie in Haus, Schule und sozialem Leben. Langensalza.
Kinesiología, B. Air.	1798. Kinesiología. Buenos Aires.
King Co. Hosp. Bull., Seattle	1799. King County Hospital bulletin. Seattle.
Kinsei igaku	1800. Kinsei igaku. Tōkyō.
Klin. esploro, Tokyo	1801. Klinika esploro. Tokyo.
Klin. oczna, Warsz.	1802. Klinika oczna. Warszawa.
Klin. współcz.	1803. Klinika współczesna. Warszawa.
Kneipp Bl.	1804. Kneipp-Blätter. München.
Közl. Magyar Orsz. Közegészs. Int.	1805. Oesszegyüjtött közlemények; Magyar Királyi Országos Közegészségügyi Intézet. Budapest.
Kogyo yakuhin nenpo	1806. Kōgyō yakuhin nenpō. Tōkyō.
Koho	1807. Kōhō. Tokyo.
Kōkin bussitu kenkyū	1808. Kokin bussitu kenkyu. Kyoto.
Kokubyogakkai zassi	1809. Kōkūbyōgakkai zassi. Tokyo.
Kokumin eisei	1810. Kokumin eisei. Kyōto.
Kokumin iryo	1811. Kokumin iryō. Tokyo.
Kongrber. Internat. Kongr. Rettungswes.	1812. Kongressbericht; Internationaler Kongress für Rettungswesen und erste Hilfe bei Unfällen. Zürich.
Korbl. Schweiz. Aerzte	1813. Correspondenz-Blatt für Schweizer Aerzte. Basel.
Kōsei kagaku	1814. Kōsei-kagaku. Tokyo.
Kosei no tomo	1815. Kōsei no tomo. Tōkyō.
Kosyu eiseigaku zassi	1816. Kōsyū eiseigaku zassi. Tokyo.
Kotu igaku	1817. Kōtū igaku. Tōkyō.
KPA News, Topeka	1818. K[ansas]P[harmaceutical]A[ssociation] news. Topeka.
Krankenhausbeilage, Bern	1819. Krankenhausbeilage zur Schweizerischen Aerztezeitung. Bern.
Krankenschwester, Wien	1820. Krankenschwester (Die) Wien.
Kresge Eye Inst. Bull.	1821. Kresge Eye Institute bulletin. Detroit.
Kriegsbeschäd. &c. Fürs.	1822. Kriegsbeschädigten- (Die) und Kriegerhinterbliebenen-Fürsorge. Berlin.
Kriegsbeschädigtenfürsorge	1823. Kriegsbeschädigtenfürsorge (Die) Berlin.
Kumamoto igakkai zassi	1824. Kumamoto igakkai zassi. Kumamoto.
Kur & rekonval., Kbh.	1825. Kur og rekonvalescens. København.
Kurstedsbladet, Oslo	1826. Kursteds-bladet. Oslo.
Kvartalsskr. Sven. nat. fören. tuberk.	1827. Kvartalsskrift; Svenska nationalföreningens mot tuberkulos. Stockholm.
Kw. psychol., Poznań	1828. Kwartalnik psychologiczny. Poznań.
Kyobu geka	1829. Kyōbu geka. Tokyo.
Kyoto byorigaku kyositu gyoseki syu	1830. Kyōto teikoku-daigaku igaku-bu byōrigaku kyōsitu gyōseki syū. Kyōto.
Kyoto huritu ika daigaku ronbun syu	1831. Kyōto-huritu ika-daigaku ronbun syū. Kyōto.
Kyoto huritu ika daigaku zassi	1832. Kyoto huritu ika daigaku zassi. Kyoto.
Kyoto igaku zassi	1833. Kyoto igaku zassi. Kyoto.
Kyu dai iho	1834. Kyū[syū teikoku] dai[gaku] ihō. Hukuoka.

L

Laborat. & Clin., Tokyo	1835. Laboratory and clinic. Tokyo.
Laborat. & Med. Progr., Cairo	1836. Laboratory and medical progress. Cairo.
Laborat. prakt., Moskva	1837. Laboratornaia praktika. Moskva.
Laegeforen. aarb.	1838. Laegerforeningens aarbog. København.
Lake Co. Health News	1839. Lake County health news. Tavares, Fla.
Lamp, Indianap.	1840. Lamp (The) Indianapolis.
Lamp Post, Howell	1841. Lamp (The) post. Howell, Mich.
Landarzt	1842. Landarzt (Der) Stuttgart.

Lav. Clin. med. Perugia	1843. Lavori della Clinica medica di Perugia. Perugia.
Lav. Clin. ocul. Univ. Roma	1844. Lavori eseguiti nella Clinica oculistica della R. Università di Roma. Roma.
Lav. Ist. anat. pat. Univ. Pavia	1845. Lavori dell'Istituto di anatomia e istologia patologica della R. Università di Pavia. Pavia.
Lav. Ist. anat. pat. Univ. Perugia	1846. Lavori dell'Istituto di anatomia e istologia patologica della R. Università degli studi di Perugia. Perugia.
Lav. Ist. anat. pat. Univ. Sassari	1847. Lavori dell'Istituto di anatomia e istologia patologica della R. Università di Sassari. Sassari.
Lav. Ist. chim. biol., Roma	1848. Lavori dell'Istituto di chimica biologica della R. Università di Roma. Roma.
Lav. Ist. chim. fisiol., Roma	1849. Lavori dell'Istituto di chimica fisiologica della R. Università di Roma. Roma.
Lav. Ist. clin. med. Univ. Bologna	1850. Lavori; Istituto di clinica medica generale e terapia medica della R. Università di Bologna. Bologna.
Lav. Ist. med. lavoro Univ. Napoli	1851. [Lavori] Istituto di medicina del lavoro della R. Università di Napoli. Napoli.
Lav. Ist. pat. gen., Roma	1852. Lavori dell'Istituto di patologia generale della R. Università di Roma. Roma.
Lav. Ist. pat. Univ. Padova	1853. Lavori dell'Istituto di patologia generale della Università di Padova. Padova.
Lav. Soc. ital. med. int.	1854. Lavori dei Congressi di medicina interna; Società italiana di medicina interna. Roma.
Lawrence Co. M. Soc. Bull.	1855. Lawrence County Medical Society bulletin. New Castle, Pa.
Layman Speaks, Wash.	1856. Layman (The) speaks. Washington.
Lebensmitteltierarzt	1857. Lebensmitteltierarzt (Der) Hannover.
Leçons Clin Tarnier, Par.	1858. Leçons du jeudi soir à la Clinique Tarnier. Paris.
Lect. Pub. Health Ser., Chic.	1859. Lecture; Public health series (National Advisory Council on Radio in Education) Chicago.
Lederle Bull.	1860. Lederle bulletin. New York.
Lederle Bull. Newslett.	1861. Lederle (The) bulletin newsletter. New York.
Legisl. Min. educ. saúde (Brazil)	1862. Legislação do Ministério da educação e saúde (Brazil) Rio de Janeiro.
Leibesüb. & körp. Erzieh.	1863. Leibesübungen und körperliche Erziehung. Berlin.
Lek. kolej., Warsz.	1864. Lekarz kolejowy. Warszawa.
Lék. listy	1865. Lékařské listy. Brno.
Lék. věst., Praha	1866. Lékárnický věstník. Praha.
Lek. wojsk., Edinb.	1867. Lekarz wojskowy. Edinburgh.
Leopoldina, Lpz.	1868. Leopoldina. Leipzig.
Leper Q., Shanghai	1869. Leper (The) quarterly. Shanghai.
Lepr. in India, N. Delhi	1870. Leprosy in India. New Delhi.
Leprosy Missions Digest	1871. Leprosy missions digest. New York.
Lesson Wayne School Nurs., Chic.	1872. Lesson; Wayne School of Practical Nursing. Chicago.
Leucocyte, Detr.	1873. Leucocyte (The) Detroit.
Libr. Bull. M. Coll. S. Carolina	1874. Library bulletin of the Medical College of the State of South Carolina. Greenville.
Libre pharm., Par.	1875. Libre (La) pharmacie. Paris.
Libri & period., Roma	1876. Libri e periodici. Roma.
Libr. J., N. Y.	1877. Library journal. New York.
Libro de actas Congr. nac. pediat.	1878. Libro de actas; Congreso nacional de pediatría. Santander.
Libro de actas Jorn. méd. espaň.	1879. Libro de actas de las Jornadas médicas españolas. Zaragoza.
Lighthouse News, N. Y.	1880. Lighthouse news. New York.
Lingnan M. Newslett.	1881. Lingnan medical newsletter. Canton, China.
Lister J.	1882. Lister (The) journal. Glasgow.
Living, Menasha	1883. Living. Menasha, Wisc.
LOBUND Rep., Notre Dame	1884. LOBUND reports; a publication from the Laboratories of Bacteriology, University of Notre Dame. Notre Dame.
Lond. Newslett., Lond.	1885. London newsletter. London.
Lucha c. cáncer, B. Air.	1886. Lucha contra el cancer. Buenos Aires.
Lucha pop. c. cáncer, B. Air.	1887. Lucha popular contra el cáncer. Buenos Aires.
Luftwaff. Druckvorschr.	1888. Luftwaffen-Druckvorschrift. Berlin.

M

McLeod Infirm. Bull.	1889. McLeod (The) Infirmary bulletin. Florence, S. C.
Madigan messenger	1890. Madigan messenger. Tacoma.
Mag. Naturk. Helvet.	1891. Magazin für die Naturkunde Helvetiens. Zürich.

Magnétiseur, Genève	1892. Magnétiseur (Le) Genève.
Mag. R. Free Hosp. School M., Lond.	1893. Magazine of the Royal Free Hospital School of Medicine. London.
Magy. belorv. arch.	1894. Magyar belorvosi archivum. Budapest.
Magy. orv. szemle	1895. Magyar orvosi szemle. Budapest.
Makedon. med. pregl.	1896. Makedonski medicinski pregled. Skopje, Yugoslavia.
Malaria Month., Amst.	1897. Malaria monthly. Amsterdam.
Malati medici medicine	1898. Malati, medici, medicine. Torino.
Manchoukuo Yearb.	1899. Manchoukuo (The) year book. Hsinking.
Manitoba M. Rev.	1900. Manitoba medical review. Winnipeg.
Manual of Steriliz., Erie	1901. Manual (The) of sterilization, disinfection and related surgical techniques. Erie, Pa.
Manufact. Optician, Lond.	1902. Manufacturing (The) optician. London.
Margin. derm., Fir.	1903. Marginalia dermatologica. Firenze.
Margin. otolar., Fir.	1904. Marginalia otolaryngologica. Firenze.
Marine Druckvorschr.	1905. Marine-Druckvorschrift; Oberkommando der Kriegsmarine. Berlin.
Marseille chir.	1906. Marseille chirurgical. Paris.
Maryland Nurs. News	1907. Maryland nursing news. Baltimore.
Maryland Pharmacist	1908. Maryland (The) pharmacist. Baltimore.
Matern. & inf., S. Paulo	1909. Maternidade e infância. São Paulo.
Mbl. geest. volksgezondh.	1910. Maandblad voor de geestelijke volksgezondheid. Amsterdam.
Mecánico dent., Habana	1911. Mecánico (El) dental. La Habana.
Med. Advance, N. Y.	1912. Medical (The) advance. New York.
Med. arh., Sarajevo	1913. Medicinski arhiv. Sarajevo.
Med. Arts & Sc., Takoma	1914. Medical arts and sciences. Takoma Park, Md.
Medber. Danmark	1915. Medicinalberetning for Kongeriget Danmark. København.
Med. Ber. Deut. Schutzgeb.	1916. Medizinal-Berichte über die Deutschen Schutzgebiete. Berlin.
Méd. & biol., Liége	1917. Médecine et biologie. Liége.
Med. Bookman, Lond.	1918. Medical bookman [and historian] (title varies) London.
Med. Bull. Continent. Air Command	1919. Medical bulletin; Office of the Surgeon; Continental Air Command. Mitchel Air Force Base, N. Y.
Med. Bull. Europ. Command	1920. Medical bulletin of the European Command Medical Division. [n. p.]
Med. Bull. Off. Chief Surgeon Europ. Command	1921. Medical bulletin; Office of the Chief Surgeon, European Command, United States Army. [n. p.]
Med. Bull. U. S. First Army	1922. Medical bulletin; First Army, United States Army. Governors Island, N. Y.
Med. & cienc. afin., Bogotá	1923. Medicina y ciencias afines. Bogotá.
Med. & cir. auxil., Madr.	1924. Medicina y cirugía auxiliar. Madrid.
Med. cir. farm., Rio	1925. Medicina, cirurgia, farmácia [formerly: Medicina, cirurgia, pharmacia] Rio de Janeiro.
Med. clín., Barcel.	1926. Medicina clínica. Barcelona.
Med. Dep. Rep. San. Off. S. Francisco (U. S. Army)	1927. [Medical Department reports]; Chief Sanitary Officer for the City of San Francisco (U. S. Army) San Francisco.
Medd. Farm. fören., Stockh.	1928. Meddelanden från Farmaceutiska föreningen. Stockholm.
Medd. Hyg. inst. Univ. København	1929. Meddelelser; Universitetets hygiejniske institut og Dr. med. Vilh. Budde og hustru's hygiejniske laboratorium. København.
Med. digest, Lond.	1930. Medical digest. London.
Med. Directors Q.	1931. Medical directors quarterly. Louisville.
Medd. København univ. Pat. anat. inst.	1932. Meddelelser fra Københavns universitets Patologisk-anatomiske institut. København.
Medd. Med. för., Stockh.	1933. Meddelanden från Medicinska föreningen. Stockholm.
Medd. Medicinalstyr., Stockh.	1934. Meddelanden från Kungl. Medicinalstyrelsen. Stockholm, &c.
Medd. Psykiat. klin., Kbh.	1935. Meddelelser fra Københavns universitets psykiatriske klinik og Psykiatrisk laboratorium [varies: Meddelelser fra Rigshospitalets psykiatriske klinik og Universitetets psykiatriske laboratorium] København.
Medd. Stat. bakt. laborat., Stockh.	1936. Meddelanden från Statens bakteriologiska laboratorium i Stockholm. Stockholm.
Medd. Stat. seruminst., Kbh.	1937. Meddelelser fra Statens seruminstitut. København.
Medd. Stat. Vitaminlab., Kbh.	1938. Meddelelser; Statens Vitamin-laboratorium. København.
Medd. Sven. nat. fören. tuberk.	1939. Meddelande fran Svenska nationalföreningen mot tuberkulos. Stockholm.

Medd. Univ. psykiat. laborat., Kbh.	1940. Meddelelser fra Universitetets psykiatriske laboratorium og Kommunehospitalets nerve-sindssygeafdeling. København.
Medd. Univ. Retsmed. Inst., Kbh.	1941. Meddelelser fra Universitets Retsmedicinske Institut. København.
Médecin chez lui	1942. Médecin (Le) chez lui. Paris.
Médecin de Lorraine	1943. Médecin (Le) de Lorraine et du Nord-Est. Verdun.
Meded. Chir. univ. klin. Groningen	1944. Mededeelingen uit de Chirurgische universiteitskliniek te Groningen. Assen.
Meded. Kolon. inst. Amsterdam	1945. Mededeeling; Koloniaal instituut te Amsterdam [Var.: K. Vereeniging Koloniaal instituut] Amsterdam.
Meded. Laborat. physiol. chem. Univ. Amsterdam	1946. Mededeelingen uit het Laboratorium voor physiologische chemie der Universiteit van Amsterdam en uit het Nederlandsch instituut voor volksvoeding. Amsterdam.
Méd. éduc. phys. sport	1947. Médecine, éducation physique et sport. Paris.
Medentian, Buffalo	1948. Medentian (The) Buffalo.
Med. fís., B. Air.	1949. Medicina física. Buenos Aires.
Med. forens., Córdoba	1950. Medicina forense. Córdoba.
Med. forum, Kbh.	1951. Medicinsk forum. København.
Med. Freedom, N. Y.	1952. Medical freedom. New York.
Med. glasn.	1953. Medicinski glasnik. Beograd.
Med. homeop., Santiago	1954. Medicina homeopática. Santiago de Chile.
Medical Alliance Rev., N. Y.	1955. Medical Alliance review. New York.
Medicamenta, Rio	1956. Medicamenta. Rio de Janeiro.
Medicina, Roma	1957. Medicina. Roma.
Medicina (Rev.) Bogotá	1958. Medicina; revista científica colombiana. Bogotá.
Medicineren, Kbh.	1959. Medicineren. København.
Médico, Nova Goa	1960. Médico (O) Nova Goa.
Medicus, Vatican	1961. Medicus. Vatican City.
Med. Illust., Lond.	1962. Medicine illustrated. London.
Med. Invest. Accid. Bull.	1963. Medical investigators' accident bulletin. Langley Field, Va.
Med. J., Kiev	1964. Medichnii zhurnal. Kiev.
Med. J., Tokyo	1965. Medical journal. Tokyo.
Med. J. Malaya	1966. Medical (The) journal of Malaya. Singapore.
Med. J. (R. Canad. Navy)	1967. Medical journal (Royal Canadian Navy) [Ottawa?]
Med. & Laborat. Progr., Cairo	1968. Medicine and laboratory progress. Cairo, &c.
Med. latina, Habana	1969. Medicina latina. La Habana.
Med. Leg. J., Lond.	1970. Medico-legal (The) journal. London.
Medlemsbl. Dansk. tandtekn. forb.	1971. Medlemsblad; Dansk tandtekniker forbund. København.
Med. letopisi, Sofia	1972. Medicinski letopisi. Sofia.
Méd. libre, Par.	1973. Médecin (Le) libre. Paris.
Med. Market.	1974. Medical marketing. Rutherford, N. J.
Med. Mitt.	1975. Medizinische Mitteilungen. Berlin.
Med. Mitt. Reichsforsch.	1976. Medizin; Mitteilungen des Reichsforschungsrates. Berlin.
Med. & morale, Tor.	1977. Medicina e morale. Torino.
Med. Mschr.	1978. Medizinische Monatsschrift. Stuttgart.
Med. News Bull., Beirut	1979. Medical news bulletin. Beirut.
Med. News Lett., Wash.	1980. Medical news letter. Washington.
Med. News Lett. Aviat. Suppl., Wash.	1981. Medical news letter. Aviation supplement. Washington.
Med. Nutrit. Rep. (OSRD) Wash.	1982. Medical nutrition report (Committee on Medic Research of the [United States] Office of Scientific Research and Development) Washington.
Med. & Pharm., Tokyo	1983. Medicine and pharmacy. Tokyo.
Med. pharm. Rdsch., Wien	1984. Medizinische und pharmazeutische Rundschau. Wien.
Med. podmlad., Beograd	1985. Medicinski podmladak. Beograd.
Med. práct., Zaragoza	1986. Medicina práctica. Zaragoza.
Med. Press., Lond.	1987. Medical press. London.
Méd. & probl. humains, Lyon	1988. Médecine et problèmes humains. Lyon.
Med. Progr., Manila	1989. Medical progress. Manila.
Méd. & progr., Par.	1990. Médecine et progrès. Paris.
Med. Progr. (Panamer. Airw. Syst.)	1991. Medical program and policies and annual reports (Pan American Airways System) Boston.
Med. promyshl. SSSR	1992. Medicinskaia promyshlennost SSSR. Moskva.
Med. & przyroda	1993. Medycyna i przyroda. Warszawa.
Med. Q., Ottawa	1994. Medical quarterly. Ottawa.
Med. Radiogr., Rochester	1995. Medical radiography and photography. Rochester, N. Y.
Med. Rdsch., Mainz	1996. Medizinische Rundschau; Monatsschrift mit ärztlicher Akademie. Mainz.

Med. Rep. Glasgow Mat. Hosp.	1997. Medical report; Glasgow Royal Maternity and Women's Hospital. Glasgow.
Med. Rep. North. Rhodesia	1998. Medical report on health and sanitary conditions, Northern Rhodesia. London.
Med. Reporter, Manila	1999. Medical reporter. Manila.
Med. Res. Bull. S. Elizabeths Hosp., Wash.	2000. Medical research bulletin; St. Elizabeths Hospital. Washington.
Med. Rev., Edinb.	2001. Medical (The) review. Edinburgh.
Med. Rev. of Rev., Delhi	2002. Medical (The) review of reviews. Delhi.
Med. spec. laegepraks., Kbh.	2003. Medicinske specialer i laegepraksis. København.
Med. statist. Mitt. Gesundhamt., Berl.	2004. Medizinal-statistische Mittheilungen aus dem Kaiserlichen Gesundheitsamte. Berlin.
Med. Targets	2005. Medical targets; U. S. Naval Technical Mission to Japan. [n. p.]
Med. Techn., Berl.	2006. Medizinische Technik. Berlin.
Med. Technicians Bull.	2007. Medical technicians bulletin. Washington.
Med. techn. Mitt. Schweiz	2008. Medizinisch-technische Mitteilungen für die Schweiz. Bern.
Med. Time, Tokyo	2009. Medical time. Tokyo.
Med. Trends, Orange	2010. Medical trends. Orange.
Méd. trop., Marseille	2011. Médecine tropicale. Marseille.
Med. Women Internat. J., Par.	2012. Medical women's international journal. Paris.
Med. wspólcz.	2013. Medycyna współczesna. Warszawa.
Meet. Penicillin Invest.	2014. Meeting of penicillin investigators. Washington.
Mém. Congr. Ass. méd. fr. Amérique du Nord	2015. Texte des mémoires; Congrès de l'Association des médecins de langue française de l'Amérique du Nord. Montréal, &c.
Mem. Congr. centroamer. vener.	2016. Memoria del Congreso centro-americano de venereología. San José, C. R.
Mem. Congr. farm centroamer.	2017. Memoria del Congreso farmacéutico centro-americano. San Salvador.
Mem. Congr. méd. dominic.	2018. Memoria; Congreso médico dominicano. Santiago, R. D.
Mem. Congr. méd. ecuator.	2019. Memoria del Congreso médico ecuatoriano. Guayaquil.
Mem. Congr. mex. pediat.	2020. Memoria; Congreso mexicano de pediatría. Mexico, D. F.
Mem. Congr. nac. brucel., Montev.	2021. Memorias; Congreso nacional de la brucelosis. Montevideo.
Mem. Congr. panamer. med. leg.	2022. Memoria; Congreso panamericano de medicina legal, odontología legal y criminología. La Habana.
Mem. Congr. venezol. niño	2023. Memoria; Congreso venezolano del niño. Caracas.
Mem. Dep. Health Scotland	2024. Memorandum; Department of Health for Scotland. Edinburgh.
Mem. Dir. gen. san., Madr.	2025. Memoria de la Dirección general de sanidad. Madrid.
Memento Beta, B. Air.	2026. Memento Beta. Buenos Aires.
Mem. Fac. cienc. méd. La Plata	2027. Memoria; Facultad de ciencias médicas, Universidad nacional de La Plata. La Plata.
Mem. Fac. cienc. nat. farm., Guatemala	2028. Memoria de los trabajos de la Facultad de ciencias naturales y farmacia; Universidad nacional. Guatemala.
Mem. Fac. med. farm. Guatemala	2029. Memoria de la Facultad de medicina y farmacia. Guatemala, Guatemala.
Mem. hig., Bogotá	2030. Memoria de higiene [Ministerio de higiene, Colombia] Bogotá.
Mem. Inst. radioquir. Guipúzcoa	2031. Memoria del Instituto radio-quirúrgico de Guipúzcoa. San Sebastían.
Mem. Inst. serol., Habana	2032. Memoria; Instituto de serología. La Habana.
Mem. Junta gen. benefic. Cundinamarca	2033. Memoria de la Junta general de beneficencia; Departamento de Cundinamarca. Bogotá.
Mem. méd. Squibb	2034. Memoria médica Squibb. New York.
Mem. Min. hig. Nicaragua	2035. Memoria; Ministerio de higiene y beneficencia públicas, República de Nicaragua. Managua, D. N.
Mem. Min. trab. Panamá	2036. Memoria; Ministerio de trabajo, previsión social y salud pública, Panamá. Panamá.
Mem. Patron. lepr. (Argentina)	2037. Memoria del Patronato de leprosos (Argentina) Buenos Aires.
Mem. Rep. Climat. Res. Laborat., Lawrence	2038. Memorandum report; Climatic Research Laboratory (U. S. Army) Lawrence, Mass.
Mem. Rep. Envir. Protect. Sect. (U. S. Quartermast. Gen.)	2039. Memorandum report; Environmental Protection Section; Research and Development Branch; Military Planning Division (U. S. Army. Office of the Quartermaster General) Lawrence, Mass.
Mem. Secc. estadíst. Min. salud púb. Paraguay	2040. Memoria; Sección estadística, Ministerio de salud pública, Paraguay. Asunción.

Mem. Secr. san. asist. púb., Ciudad Trujillo	2041. Memoria; Secretaría de estado de sanidad y asistencia pública; República dominicana. Ciudad Trujillo.
Mem. Semana méd. veracruz.	2042. Memoria de la Semana médica veracruzana. Córdoba.
Mem. Semana nac. antivenér. (Costa Rica)	2043. Memoria; Semana nacional antivenérea (Costa Rica) San José.
Mem. Serv. antivenér. Valparaíso	2044. Memoria; Comité técnico coordinador de los Servicios anti-venéreos de Valparaíso y Viña del Mar. Valparaíso.
Mem. Serv. nac. salub. Chile	2045. Memoria del Servicio nacional de salubridad de Chile. Santiago de Chile.
Mém. Soc. fr. hist. méd.	2046. Mémoires de la Sociéte française d'histoire de la médecine et de ses filiales. Paris.
Mens. Insp. hyg. mun., S. Paulo	2047. Mensario da Inspectoria de hygiene dos municipios. São Paulo.
Ment. Health, Beloit	2048. Mental health. Beloit.
Ment. Health, Clevel.	2049. Mental health and our community. Cleveland.
Mental Health (Utah)	2050. Mental health (Utah Society for Mental Hygiene) American Fork.
Ment. Hyg. News, Milwaukee	2051. Mental hygiene news. Milwaukee, &c.
Mesech. izvest., Sofia	2052. Mesechni izvestia na Glavnata direktsia na statistikata. Sofia.
Mese san., Milano	2053. Mese sanitario. Milano.
Měsíč. Ciba	2054. Měsíčník Ciba. Praha.
Messenger, Los Ang.	2055. Messenger (The) Los Angeles.
Meth. Med. Res., Chic.	2056. Methods in medical research. Chicago.
Mikrob. J., Kiev	2057. Mikrobiologichny jurnal. Kiev.
Mikrochim. acta, Wien	2058. Mikrochimica acta. Wien.
Mikroskopie, Wien	2059. Mikroskopie. Wien.
Miktab lehabér	2060. Miktab lehabér. Tel-Aviv.
Mil. Rep., Wash.	2061. Military reports [on the United Nations]; Military Intelligence Service, U. S. War Department. Washington.
Minerva chir., Tor.	2062. Minerva chirurgica. Torino.
Minerva gin., Tor.	2063. Minerva ginecologica. Torino.
Minerva pediat., Tor.	2064 Minerva pediatrica. Torino.
Minerva urol., Tor.	2065. Minerva urologica. Torino.
Minnesota Health	2066. Minnesota's health. Minneapolis.
Minnesota Pharm.	2067. Minnesota pharmacist. St. Paul.
Minnesota Welf.	2068. Minnesota welfare. S. Paul.
Minutes Armed Forces Vision Com.	2069. Minutes and proceedings of the meeting; Armed Forces-NRC Vision Committee. New London, Conn., &c.
Minutes Army Navy Vision Com.	2070. Minutes and proceedings of the meeting; Army-Navy-NRC Vision Committee [Formerly: Army-Navy-OSRD Vision Committee] Washington, &c.
Minutes Ass. State Com. Postgrad. M. Educ.	2071. Minutes of the annual meeting; Associated State Committees on Postgraduate Medical Education. Boston.
Minutes Chemother. (NRC) Wash.	2072. Minutes of meeting; Chemotherapeutic and Other Agents Committee [var.: Committee on Chemotherapeutic and Other Agents] (National Research Council) Washington.
Minutes Dent. Bd U. Kingdom	2073. Minutes of the Dental Board of the United Kingdom. London.
Minutes Gen. M. Counc. Gr. Britain	2074. Minutes of the General Medical Council, Great Britain. London.
Minutes Streptomycin Conf.	2075. Minutes of the Streptomycin conference. [v. p.]
Minutes Subcom. Armored Vehicl. (NRC) Wash.	2076. Minutes of meeting; Subcommittee on Armored Vehicles; Committee on Industrial Medicine (National Research Council) Washington.
Minutes Subcom. Color Vision U. S. Armed Forces Vision Com.	2077. Minutes and proceedings; Subcommittee on Color Vision, United States Armed Forces-NRC Vision Committee. Washington.
Minutes Subcom. Hist. Rec. (NRC) Wash.	2078. Minutes of meeting; Subcommittee on Historical Records (Committee on Information; National Research Council) Washington.
Minutes Subcom. Publicity (NRC) Wash.	2079. Minutes; Subcommittee on Publicity, Division of Medical Sciences (National Research Council) Washington.
Minutes Subcom. Surg. Inf. (NRC) Wash.	2080. Minutes of meeting; Subcommittee on Surgical Infections; Committee on Surgery (National Research Council) Washington.
Minutes Subcom. Visibility U. S. Army Navy Vision Com.	2081. Minutes and proceedings of the meeting; Subcommittee on Vision and Atmospheric Optics [U. S.] Army-Navy-NRC Vision Committee. Washington.

Minzoku eisei	2082. Minzoku eisei. Tokyo.
Misc. med. phys. Acad. natur. curios. germ., Par.	2083. Miscellanea medico-physica Academiae naturae curiosorum Germaniae. Paris.
Misç. med. român.	2084. Mişcarea medicală română. Craiova.
Misc. Pub. U. S. Dep. Agr.	2085. Miscellaneous publication; United States Department of Agriculture. Washington.
Misc. stud. ricer. stor. med., Roma	2086. Miscellanea di studi e ricerche storico-mediche Istituto per la storia della medicina. Roma.
Missouri Nurse	2087. Missouri (The) nurse. Kansas City.
Missouri Pharmacist	2088. Missouri (The) pharmacist. Jefferson City.
Mitt. Ges. deut. Naturforsch.	2089. Mitteilungen der Gesellschaft deutscher Naturforscher und Aerzte. Berlin.
Mitt. Jap. Ges. Gyn.	2090. Mitteilungen der Japanischen Gesselschaft für Gynäkologie. Tokyo.
Mitt. Luftfahrtmed.	2091. Mitteilungen aus dem Gebiet der Luftfahrtmedizin. München.
Mitt. Med. Abt. Schweiz. Unfallversich.	2092. Mitteilungen der Medizinischen Abteilung; Schweizerische Unfallversicherungsanstalt. Luzern.
Mitt. Oesterr. Ges. Anthrop.	2093. Mitteilungen der Oesterreichischen Gesellschaft für Anthropologie, Ethnologie und Prähistorie. Wien.
Mitt. Provis. Ausschuss. österr. Apoth.	2094. Mitteilungen des Provisorischen Ausschusses österreichischer Apotheker. Wien.
Mitt. Tokyo med. Ges. Aerztinnen	2095. Mitteilungen der Tokyo medizinischen Gesellschaft für Aerztinnen. Tokyo.
Mitt. Wien. Aerztekam.	2096. Mitteilungen der Wiener Aerztekammer. Wien.
Mod. Med., Manila	2097. Modern medicine. Manila.
Mod. Med. Canada	2098. Modern medicine of Canada. Toronto.
Mod. San., Lanc.	2099. Modern sanitation. Lancaster.
Mod. Treatm. Yearb., Lond.	2100. Modern treatment yearbook. London.
Moleschott, Amst.	2101. Moleschott. Amsterdam.
Momento méd., Valencia	2102. Momento (El) médico. Valencia.
Monde méd., B. Air.	2103. Monde (Le) médical [Spanish American edition] Buenos Aires.
Monde méd., Barcel.	2104. Monde (Le) médical. Edición española. Barcelona.
Monde & méd., Par.	2105. Monde et médecine. Paris.
Monit. farm., Madr.	2106. Monitor (El) de la farmacia y de la terapéutica. Madrid.
Monogr. Inst. Costa Ferreira, Lisb.	2107. Monografias; Instituto de António Aurélio da Costa Ferreira. Lisboa.
Monogr. Med. Klin.	2108. Monographien der Medizinischen Klinik. Berlin.
Monogr. Surg., N. Y.	2109. Monographs on surgery. New York.
Monogr. Syph., Indianap.	2110. Monographia syphilitica. Indianapolis.
Montgomery Co. M. Bull.	2111. Montgomery (The) County medical bulletin. Norristown, Pa.
Montgomery Co. M. News	2112. Montgomery County medical news. Dayton, O.
Month. Bull. Dep. Ment. Health (Michigan)	2113. Monthly bulletin; Department of Mental Health (Michigan) Lansing.
Month. Bull. Dep. Pub. Health S. Diego	2114. Monthly bulletin; Department of Public Health, San Diego. San Diego.
Month. Bull. Health Dep. Boston	2115. Monthly bulletin of the Health Department of the City of Boston. Boston.
Month. Bull. Min. Health Gr. Britain	2116. Monthly bulletin of the Ministry of Health and the Public Health Laboratory Service, Great Britain. London.
Month. Bull. R. Army M. Ass.	2117. Monthly bulletin; Royal Army Medical Corps Association. London.
Month. Health Bull. U. S. Army Second Serv. Command	2118. Monthly health bulletin; United States Army Service Forces Second Service Command. Governors Island, N. Y.
Month. Health Rep. Mil. Distr. Washington	2119. Monthly health report; Military District of Washington. Washington.
Month. Health Rev., S. Louis	2120. Monthly (The) health review. St. Louis.
Month. M. Bull., Fort Douglas	2121. Monthly medical bulletin [Ninth Service Command] Fort Douglas, Utah.
Month. Mem. Aeromed. Equip. Laborat. U. S. N.	2122. Monthly memorandum for Equipment and Material Section, Bureau of Aeronautics; Aero Medical Equipment Laboratory; U. S. Navy. Philadelphia.
Month. M. Meet., Fort Bliss	2123. Monthly medical meeting [William Beaumont General Hospital] Fort Bliss, Tex.
Month. Progr. Rep. Med. U. S. Army Forces West. Pacific	2124. Monthly progress report; Section 5: Medical; United States Army Forces Western Pacific. [n. p.]
Month. Project. Rep. Aeromed. Laborat. U. S. Air Force	2125. Monthly project reports; Aero Medical Laboratory; United States Air Force. Wright Field, Ohio.
Month. Rep. Climat. Res. Laborat. U. S. Army	2126. Monthly report; Climatic Research Laboratory, U. S. Army. Lawrence, Mass.

Month. Rep. Dep. Health, Kansas City (K.)	2127. Monthly report of the Department of Health. Kansas City, Kan.
Month. Ther. Topics, Chic.	2128. Monthly therapeutic topics. Chicago.
Montreal Pharm. J.	2129. Montreal pharmaceutical journal. Montreal.
Mount. States Druggist, Denver	2130. Mountain states druggist. Denver.
Mskr. prakt. laegegern., Kbh.	2131. Maanedsskrift for praktisk laegegerning og social medicin. København.
M. & S. Rep. S. Luke Hosp. N. York	2132. Medical and surgical reports; St. Luke's Hospital; New York. Poughkeepsie, &c.
MTE Journ. (R. Air Force)	2133. M. T. E. journal (Medical Training Establishment & Depot, Royal Air Force) Aylesbury.
Multa paucis med., Méx.	2134. Multa paucis medica. México.
Mundo méd. farm., S. Juan	2135. Mundo médico-farmacéutico. San Juan, P. R.
Munnpleien	2136. Munnpleien. Oslo.
Museo anat. españ.	2137. Museo anatómico español. Madrid.

N

Na fronte zdrav., Moskva	2138. Na fronte zdravookhranenia. Moskva.
Nagasaki igakkai zassi	2139. Nagasaki igakkai zassi. Nagasaki.
Nagoya igakkai zassi	2140. Nagoya igakkai zassi. Nagoya.
Naika & syonika	2141. Naika oyobi syonika. Tokyo.
Nassau Health	2142. Nassau health. Mineola, N. Y.
Nat. Hosp. Forum, Portland	2143. National hospital forum. Portland, Ore.
Nat. Inst. Health Malaria Rep.	2144. N[ational] I[nstitute of] H[ealth] malaria report. Bethesda, Md.
Nat. M. Coll. Mag., Bombay	2145. National Medical College magazine. Bombay.
Nat. News Blind, Ottawa	2146. National news of the blind. Ottawa.
Nat. Nuclear Energy Ser.	2147. National nuclear energy series. New York.
Nat. Rehabil. News	2148. National rehabilitation news. Chicago.
Natura, Groning.	2149. Natura. Groningen, &c.
Natura, Lisb.	2150. Natura. Lisboa.
Natura & vita, Milano	2151. Natura e vita. Milano.
Naturheilpraxis	2152. Naturheilpraxis. München.
Naturwiss. Rdsch.	2153. Naturwissenschaftliche Rundschau. Stuttgart.
Nauch. izvest., Smolensk	2154. Nauchnye izvestiia; Smolensky gosudarstvennyi universitet. Smolensk.
Nauka polska	2155. Nauka polska. Warszawa.
Nauka & zhizn	2156. Nauka i zhizn. Moskva.
Nauk. zapis. Ukrain. biokhem. inst.	2157. Naukovi zapiski; Ukrainsky biokhemichny institut. Kharkov.
Naval Mag., N. Y.	2158. Naval (The) magazine. New York.
N. Dakota Cancer Soc. News	2159. North Dakota Cancer Society news. Fargo.
Ned. oogheelk. bijdr.	2160. Nederlandsche oogheelkundige bijdragen. Haarlem.
Ned. tschr. geregt. geneesk.	2161. Nederlandsch tijdschrift voor geregtelijke geneeskunde en voor psychiatrie. Tiel.
Neighborh. Health, N. Y.	2162. Neighborhood health. New York.
N. England Dent. J.	2163. New England dental journal. Boston.
Neoplasie, Tor.	2164. Neoplasie. Torino.
Nettai igaku kenkyu	2165. Nettai igaku kenkyū. Taihoku, Taiwan.
Neue deut. Chir.	2166. Neue deutsche Chirurgie. Stuttgart.
Neujahrsgesch. Ges. schwarz. Gart., Zür.	2167. Neujahrsgeschenk von der neuerrichteten Gesellschaft zum schwarzen Garten. Zürich.
Neurocirugía, Santiago	2168. Neurocirugía. Santiago de Chile.
Neurologia, Tokyo	2169. Neurologia. Tokyo.
Neuropsiquiatría, B. Air.	2170. Neuropsiquiatría. Buenos Aires.
Neur. & psychiat. česk.	2171. Neurologie a psychiatrie československá. Praha.
Neur. & psychiat. česká	2172. Neurologie a psychiatrie česká. Praha.
Neurosurg. Rep. (OSRD) Wash.	2173. Neurosurgery report (Committee on Medical Research; Office of Scientific Research and Development) Washington.
Neurotherapist, Atlanta	2174. Neuro-therapist. Atlanta.
New Horizons, Mason City	2175 New Horizons [Iowa Division; American Cancer Society] Mason City, Iowa.
News Ass. Am. Physicians	2176. News of the Association of American Physicians and Surgeons. Gary, Ind.
News Briefs, Union.	2177. News briefs; Biochemical Division, Interchemical Corporation. Union, N. J.
News from Belgium, N. Y.	2178. News from Belgium and the Belgian Congo. New York.

News & Gaz. R. Army M. Corps

Newslett. Am. Epilepsy League
News Lett. Am. Soc. Anesth.

Newslett. Commonw. Fund, N. Y.

News Lett. R. Nav. Air M. School

News School Pub. Health, Chapel Hill

Niigata igakkai zassi
Ninetynine, Lond.
Nicia, Milano
Nippon acta radiol.
Nippon biseibutugakkai zassi
Nippon byorigakkai kaisi
Nippon densenbyo gakkai zassi
Nippon eisei kagakkai si
Nippon gakko eisei
Nippon ganka gakkai zassi
Nippon gekagakkai zassi
Nippon huzinka gakkai zassi
Nippon igakkai kaisi
Nippon igaku
Nippon igaku (kenkyukai)
Nippon ika daigaku zassi
Nippon isikai zassi
Nippon izi sinpo
Nippon izi syuho
Nippon J. Angiocard.
Nippon J. Clin. Angiocard.
Nippon kagaku zassi
Nippon naibunpitu gakkai zassi
Nippon naika gakkai zassi
Nippon naika rinsyo sensyu
Nippon no ikai
Nippon rinsyo
Nippon rinsyo kekkaku
Nippon roentgen gakkai zassi
Nippon saikingaku zassi
Nippon seikagakkai kaiho
Nippon seikagakkai si
Nippon seikeigeka gakkai zassi
Nippon seirigaku zassi
Nippon sika isi kai zassi
Nippon syokakibyo gakkai zassi
Nippon tetudo igakkai zassi
Nippon yakuho
Nippon zibiinkoka gakkai kaiho
Nippon zyuigaku zassi
Nippon zyunkanki byogaku
Nissin igaku
N. Jersey Rev. Charit.

Nord méd., Lille
Nord. odont. arch.
Nord pharm., Lille
Nord. psykiat. medl., Kbh.
Nord. tandläk. tskr.
Nord. tskr. ter.
Norges tannlaegeforb. tskr.
Norske tannlaegeforen. tid.
North Dakota Health News
North. Ohio Druggist
North Wing, Sheffield

No & sinkei
Notas cient. Roche, Rio
Notas LEFA, Madr.

Notas méd., Lérida

2179. News (The) and gazette of the Royal Army Medical Corps, the Royal Army Dental Corps and the Army Nursing Services. London.
2180. Newsletter; American Epilepsy League. Boston.
2181. News letter of the American Society of Anesthesiologists. New York.
2182. News-letter of the Commonwealth Fund. New York.
2183. News letter; Royal Naval Air Medical School. Gosport.
2184. News, School of Public Health, University of North Carolina, Chapel Hill.
2185. Niigata igakkai zassi. Niigata.
2186. Ninetynine. London.
2187. Nicia. Milano.
2188. Nippon acta radiologica. Tokyo.
2189. Nippon biseibutugakkai zassi. Kyōto.
2190. Nippon byōrigakkai kaisi. Tōkyō.
2191. Nippon densenbyō gakkai zassi. Tokyo.
2192. Nippon eisei-kagakkai-si. Tokyo.
2193. Nippon gakkō eisei. Tōkyō.
2194. Nippon ganka gakkai zassi. Tokyo.
2195. Nippon geka-gakkai zassi. Tokyo.
2196. Nippon huzinka gakkai zassi. Tokyo.
2197. Nippon igakkai kaisi. Kyōto.
2198. Nippon igaku. Tokyo.
2199. Nippon-igaku (Nippon igaku kenkyūkai) Tōkyō.
2200. Nippon ika daigaku zassi. Tōkyō.
2201. Nippon isikai zassi. Tokyo.
2202. Nippon izi sinpō. Tokyo.
2203. Nippon izi syūhō. Tōkyō.
2204. Nippon (The) journal of angio-cardiology. Kyoto.
2205. Nippon journal of clinical angio-cardiology. Kyoto.
2206. Nippon kagaku zassi. Tokyo.
2207. Nippon naibunpitu gakkai zassi. Kyoto.
2208. Nippon naika gakkai zassi. Tokyo.
2209. Nippon naika rinsyō sensyū. Tōkyō.
2210. Nippon no ikai. Tōkyō.
2211. Nippon rinsyo. Osaka.
2212. Nippon rinsyo kekkaku. Tokyo.
2213. Nippon roentgen-gakkai zassi [Tokyo?]
2214. Nippon saikingaku zassi. Tokyo.
2215. Nippon seikagakkai kaihō. Tokyō.
2216. Nippon seikagakkai si. Tokyo.
2217. Nippon seikei-geka gakkai zassi. Tokyo.
2218. Nippon seirigaku zassi. Tokyo.
2219. Nippon sika-isi-kai zassi. Tokyo.
2220. Nippon syōkakibyō gakkai zassi. Tokyo.
2221. Nippon tetudō igakkai zassi. Tokyo.
2222. Nippon yakuhō. Tōkyō.
2223. Nippon zibiinkōka gakkai kaihō. Tokyo.
2224. Nippon zyūigaku zassi. Tokyo.
2225. Nippon zyunkanki byōgaku. Kyōto.
2226. Nissin igaku. Tokyo.
2227. New Jersey (The) review of charities and corrections. Jersey City.
2228. Nord (Le) médical. Lille.
2229. Nordiskt odontologiskt archiv. Helsinki, &c.
2230. Nord-pharmaceutique. Lille.
2231. Nordisk psykiatrisk medlemsblad. København.
2232. Nordisk tandläkare tidskrift. Stockholm.
2233. Nordisk tidsskrift for terapi. København.
2234. Norges tannlaegeforbunds tidsskrift. Oslo.
2235. Norske (Den) tannlaegeforenings tidende. Oslo.
2236. North Dakota health news. Bismarck.
2237. Northern Ohio druggist. Cleveland.
2238. North (The) wing; the magazine of the Sheffield medical and dental schools. Sheffield.
2239. Nō oyobi sinkei. Tokyo.
2240. Notas científicas Roche. Rio de Janeiro.
2241. Notas de L[aboratorios]E[spañoles de]F[armacología] A[plicada] Madrid.
2242. Notas médicas de la Clinica de Nuestra Señora del Perpetuo Socorro. Lérida, Spain.

Notas práct. diagn. ter., Barcel.	2243. Notas prácticas de diagnóstico y terapéutica. Barcelona.
Notas salud púb., Trujillo	2244. Notas de salud pública; servicio cooperativo interamericano de salud pública. Ciudad Trujillo.
Notas san., Florianóp.	2245. Notas sanitárias; Departamento de saúde pública de Santa Catarina. Florianópolis.
Notic. clín. Laborat. J. C. Thomé, Méx.	2246. Noticias clínicas de los Laboratorios J. C. Thomé. México.
Notic. méd. mundial, B. Air.	2247. Noticioso médico mundial. Buenos Aires.
Notiz. demogr., Roma	2248. Notiziario demografico; Istituto centrale di statistica, Italy. Roma.
Notiz. diagn. ter., Milano	2249. Notiziario di diagnostica e terapia. Milano.
Notiz. farm., Milano	2250. Notiziario farmaceutico. Milano.
Nova acta paracels., Basel	2251. Nova acta Paracelsica. Basel.
Novosti med., Moskva	2252. Novosti mediciny. Moskva.
Now. spol. lek.	2253. Nowiny społeczno-lekarskie. Warszawa.
NRC Res. News, Ottawa	2254. N[ational]R[esearch]C[ouncil] research news. Ottawa, Canada.
Nuclear Sc. Abstr.	2255. Nuclear science abstracts. Oak Ridge, Tenn.
Nucleonics	2256. Nucleonics. New York.
Nuevas aport. estud. tuberc.	2257. Nuevas aportaciones al estudio de la tuberculosis. Madrid.
Nuova farm. ital.	2258. Nuova (La) farmacia italiana. Roma.
Nuova rass. odontoiatr.	2259. Nuova rassegna di odontoiatria. Milano.
Nursery World, Lond.	2260. Nursery (The) world. London.
Nurs. Illust., Lond.	2261. Nursing illustrated. London.
Nurs. Today, N. Y.	2262. Nursing today. New York.
Nutrit. Bull., Clevel.	2263. Nutrition bulletin. Cleveland.
Nutrit. & Child Welf., Lond.	2264. Nutrition and child welfare. London.
Nutrit. Conf. Veterin.	2265. Nutrition conference for veterinarians. Fort Wayne.
Nutrit. Notes, Peiping	2266. Nutrition notes. Peiping.
N. York Dent. J.	2267. New (The) York State dental journal. New York
N. York Univ. Dent. J.	2268. New York University dental journal. New York.
N. York Univ. J. Dent.	2269. New York University journal of dentistry. New York.
N. Zealand Workers Compens. Cases	2270. New Zealand workers' compensation cases. Wellington.

O

Observations (Rozier) Par.	2271. Observations [et mémoires] sur la physique, sur l'histoire naturelle et sur les arts [et métier] (Rozier) Paris.
Occas. Leafl. Counc. M. Missions, Shanghai	2272. Occasional leaflet; Council on Medical Missions; Chinese Medical Association. Shanghai.
Odont. argent.	2273. Odontología (La) argentina. Buenos Aires.
Odont. & estomat., Bogotá	2274. Odontología y estomatología universitarias. Bogotá.
Odont. infant., Habana	2275. Odontología infantil. La Habana.
Odontoiatria, Tor.	2276. Odontoiatria e protesi dentaria. Torino.
Odontología, Cádiz	2277. Odontología (La) Cádiz; Madrid.
Odontology, Tokyo	2278. Odontology. Tokyo.
Odont. peru., Lima.	2279. Odontología (La) peruana. Lima.
Odont. univ., Rio	2280. Odontologia universitária. Rio de Janeiro.
Odont. urug.	2281. Odontología uruguaya. Montevideo.
Oesterr. Aerzteztg	2282. Oesterreichische Aerztezeitung. Wien.
Oesterr. Apoth. Ztg	2283. Oesterreichische Apotheker Zeitung. Wien.
Oesterr. Arzt	2284. Oesterreichische (Der) Arzt. Wien.
Oesterr. Dent. Rev.	2285. Oesterreichische Dental-Revue. Wien.
Oesterr. zool. Zschr.	2286. Oesterreichische zoologische Zeitschrift. Wien.
Oesterr. Zschr. Kinderh.	2287. Oesterreichische Zeitschrift für Kinderheilkunde und Kinderfürsorge. Wien.
Oesterr. Zschr. Stomat.	2288. Oesterreichische Zeitschrift für Stomatologie. Wien.
Off. Bull. N. Dakota Water & Sewage Works Conf.	2289. Official bulletin; North Dakota Water and Sewage Works Conference. Bismarck.
Officine, Brux.	2290. Officine (L') Bruxelles.
Officine occit., Toulouse	2291. Officine (L') occitane. Toulouse.
Off. J. Dent. Ass. S. Africa	2292. Official (The) journal of the Dental Association of South Africa. Cape Town.
Off. Progr. Annual Meet. Louisiana M. Soc.	2293. Official program; annual meeting; Louisiana State Medical Society. New Orleans.

Off. Rec. World Health Org.	2294. Official records of the World Health Organization. New York.
Off. Yearb. Commonw. Australia	2295. Official year book of the Commonwealth of Australia. Canberra.
Ofic. sborn. Narkomzdr. SSSR	2296. Oficialnyi sbornik; Nar[odnyi]kom[issariat]zdr[avookhranenia] SSSR. Moskva.
Ohio Archaeol. Hist. Q.	2297. Ohio State archaeological and historical quarterly. Columbus.
Oklahoma Health Bull.	2298. Oklahoma health bulletin. Oklahoma City.
Oncologia, Roma	2299. Oncologia. Roma.
Onderzoek. Laborat. physiol. chem. Utrecht	2300. Onderzoekingen gedaan in het Laboratorium voor physiologische chemie der Rijksuniversiteit te Utrecht. Utrecht.
Onderzoek. Laborat. vet. physiol. Rijksuniv. Utrecht	2301. Onderzoekingen; Laboratorium voor veterinaire physiologie, Rijksuniversiteit, Utrecht. Utrecht.
Onderzoek. Physiol. laborat. Leiden	2302. Onderzoekingen, gedaan in het Physiologisch laboratorium der Universiteit te Leiden. Leiden.
ONR Project Sum.	2303. O[ffice of]N[aval]R[esearch] project summary. Washington.
Onze ziekenh., Weltevreden	2304. Onze ziekenhuisbode. Weltevreden.
Oogheilk. versl. bijbl., Utrecht	2305. Oogheelkundige verslagen en bijbladen. Utrecht.
Open Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia	2306. Open report; Fatigue Laboratory; National Health and Medical Research Council; Australia. Brisbane.
Operation, Tokyo	2307. Operation (The) Tokyo.
Op. ex Domo biol. hered. Univ. hafn.	2308. Opera ex Domo biologiae hereditariae humanae Universitatis Hafniensis. København.
Ophthalmologica, Valencia	2309. Ophthalmologica. Valencia.
Ophth. Liter., Lond.	2310. Ophthalmic literature. London.
Optic. Pract., Lond.	2311. Optical (The) Practitioner. London.
Optique	2312. Optique (L') Paris.
Optómetra, Habana	2313. Optómetra. La Habana.
Optometr. World. Los Ang.	2314. Optometric world. Los Angeles.
Opusc. selecta Neerl. de arte med.	2315. Opuscula selecta Neerlandicorum de arte medica. Amsterdam, &c.
Oralism & Aural.	2316. Oralism and auralism. St. Louis.
Oral Surg.	2317. Oral surgery, oral medicine and oral pathology. St. Louis.
Orgaan Nat. bd verpleg.	2318. Orgaan van den Nationalen bond van verplegenden. Lochem, &c.
Organ. React., N. Y.	2319. Organic reactions. New York.
Orig. Commun. Internat. Congr. Appl. Chem.	2320. Original communications; International congress of applied chemistry. Concord, N. H.
Oriz. med., Roma	2321. Orizzonte medico. Roma.
Ormoni	2322. Ormoni. Torino.
Ormonologia, Tor.	2323. Ormonologia. Torino.
Orthodontia, Milano	2324. Orthodontia. Milano.
Orvosok lap.	2325. Orvosok lapja. Budapest.
Orvostud. beszám.	2326. Orvostudományi beszámoló. Szeged.
Osaka igakkai zassi	2327. Osaka igakkai zassi. Osaka.
Osaka igaku zassi	2328. Osaka igaku zassi. Osaka.
Osaka izi sinsi	2329. Osaka izi sinsi. Osaka.
Osaka M. J.	2330. Osaka medical journal. Osaka.
Osaka M. Mag.	2331. Osaka (The) medical magazine. Osaka.
Osnovy & dost. sovrem. med., Kharkov	2332. Osnovy i dostizhenia sovremennoi mediciny. Kharkov.
Ospedaliere	2333. Ospedaliere (L') Napoli.
Osteopath, Kansas City	2334. Osteopath (The) Kansas City, Mo.
Osteopath. Bull.	2335. Osteopathic (The) bulletin. Albion, Mich.
Otolar. polska	2336. Otolaryngologia Polska. Warszawa.
Otorhinolar. danub.	2337. Oto-rhino-laryngologia Danubiana. Budapest.
Ouest méd.	2338. Ouest (L') médical. Paris.
Our Hospital, Chic.	2339. Our hospital. Chicago.
Outlook South. Dent. Soc. N. Jersey	2340. Outlook and bulletin; Southern Dental Society of New Jersey. Camden.
O zdraví a nemoci	2341. O zdraví a nemoci. Poděbrady.

P

Pacific Coast Dent. Conf. Mag.	2342. Pacific Coast Dental Conference magazine. Salt Lake City.
Pacific Drug Rev.	2343. Pacific drug review. Portland.
Pacific Fleet M. News	2344. Pacific Fleet medical news. San Francisco.

Pacific Pharmacist
Paidoterapia, Barcel.
Palaeobiologica, Wien
Pam. klin. Szpit. S. Łazarza, Warsz.

Pamphl. Lankenau Hosp. Res. Inst., Phila.
Pam. Zjazd. lek. przyrod. polsk.

Pam. Zjazd. nauk. of. służ. zdrow.

Panamer. Surg. & M. J.

Papers Dep. Pharm. Tokyo Univ.

Papers 4. Med. Serv. St Erik Hosp., Stockh.
Papers Inst. Pharm., Tokyo

Papers Internat. Congr. Appl. Chem.

Papers Peabody Mus. Am. Archaeol.

Papers U. S. Conf. Nutr. Nat. Defense

Paracelsus, Wien
Paradentologie, Genève
Parazit. sborn.
P. A. R. D. Bull., Phila.

Pasteur, Rio
Pat. comp. tuberc., Milano
Path. inf., Brux.
Patna J. M.
Pat. sper., Tor.
Peckham, Lond.
Pediat. akush. gin.
Pediat. internaz., Roma
Pediat. listy
Pediat. polska
Pediat. Progr., Phila.
Pediat. & puericult., Bahia
Pediatría (Inst. clín. pediát.) Montev.

Pediatrics, Springf.
Pédiatrie
Pennsylvania Cancer Digest
Pep & Courage, Seattle
Pernambuco odont.
Person. & Anstaltsfr., Bern.
Pers. Res. Rep. U. S. Adjutant Gen.

Pest Control
Peuples sains, Brux.
Pharmacien, Montréal
Pharmacien d. ouest
Pharma Medico, Münch.
Pharm. Arch., Milwaukee
Pharmazie, Berl.
Pharmed. Notes, Cincin.
Pharm. France
Pharm. Indust., Berl.
Pharm. indust., Par.
Pharm. Rev., Balt.
Pharm. tschr., Brux.
Pharm. tschr. Ned. Indië

Pharm. Zhalle

Pharm. Ztg, Berl.
Phi Beta Pi Q
Philadelphia Health Bull.
Philadelphia M.
Philippine J. Surg.

2345. Pacific (The) pharmacist. San Francisco.
2346. Paidoterapia. Barcelona.
2347. Palaeobiologica. Wien.
2348. Pamiętnik kliniczny Szpitala Sw. Łazarza. Warszawa.
2349. Pamphlet; Lankenau Hospital Research Institute. Philadelphia.
2350. Pamiętnik Zjazdu lekarzy i przyrodników polskich. Poznań.
2351. Pamiętnik ... Zjazdu naukowego oficerów służby zdrowia. Warszawa.
2352. Pan-American surgical and medical journal. New Orleans.
2353. Papers from the Department of Pharmacology, Tokyo Imperial University. Tokyo.
2354. Papers from the 4. Medical Service of St Erik's Hospital. Stockholm.
2355. Papers from the Institute of Pharmacology, Tokyo Imperial University. Tokyo.
2356. [Papers] International congress of applied chemistry. London.
2357. Papers of the Peabody Museum of American Archaeology and Ethnology, Harvard University. Cambridge, Mass.
2358. [Papers; United States] Conference on nutrition in the national defense. Berkeley.
2359. Paracelsus. Wien.
2360. Paradentologie. Genève.
2361. Parazitologischeskii sbornik. Moskva.
2362. P[hiladelphia] A[ssociation of] R[etail] D[ruggists] bulletin. Philadelphia, Pa.
2363. Pasteur. Rio de Janeiro.
2364. Patologia comparata della tubercolosi. Milano
2365. Pathologie (La) infantile. Bruxelles.
2366. Patna (The) journal of medicine. Patna.
2367. Patologia sperimentale. Torino.
2368. Peckham. London.
2369. Pediatria, akusherstvo i ginekologia. Kiev.
2370. Pediatria internazionale. Roma.
2371. Pediatrické listy. Praha.
2372. Pediatria polska. Warszawa.
2373. Pediatric progress. Philadelphia.
2374. Pediatria e puericultura. Bahia.
2375. Pediatría (Instituto de clínica pediátrica e higiene infantil Dr. Luis Morquio) Montevideo.
2376. Pediatrics. Springfield, Ill.
2377. Pédiatrie. Lyon.
2378. Pennsylvania cancer digest. Harrisburg.
2379. Pep and courage. Seattle, &c.
2380. Pernambuco odontológico. Pernambuco.
2381. Personal- und Anstaltsfragen. Bern.
2382. P[ersonnel] R[esearch] S[ection] reports [U. S.] Adjutant General's Office. Washington.
2383. Pest control. Painesville, Ohio.
2384. Peuples sains. Bruxelles.
2385. Pharmacien (Le) Montréal.
2386. Pharmacien (Le) de l'ouest. Rennes.
2387. Pharma-Medico. München.
2388. Pharmaceutical archives. Milwaukee, Madison.
2389. Pharmazie (Die) Berlin.
2390. Pharmedical notes. Cincinnati.
2391. Pharmacien (Le) de France. Paris.
2392. Pharmazeutische (Die) Industrie. Berlin.
2393. Pharmacie (La) industrielle. Paris.
2394. Pharmacological reviews. Baltimore.
2395. Pharmaceutisch tijdschrift. Bruxelles.
2396. Pharmaceutisch tijdschrift voor Nederlandsch-Indië. Weltevreden.
2397. Pharmazeutische Zentralhalle für Deutschland. Berlin, &c.
2398. Pharmazeutische Zeitung. Berlin.
2399. Phi Beta Pi quarterly. Menasha.
2400. Philadelphia health bulletin. Philadelphia.
2401. Philadelphia medicine. Philadelphia.
2402. Philippine journal of surgery. Manila.

Philippine M. World
Philos, Madr.
Philos. of Sc., Balt.
Philos. Tr., Lond.
Physician Psychiat. Digest
Physiol. comp. oecol., Gravenh.
Physiol. exp., Par.
Physiologiste russe, Moskva
Physiotherapy, Johannesb.
Physiotherapy, Lond.
Phys. Ther. Rev., Chic.
Pille, Lpz.
Pinzette, Wien
Pittsburgh Hosp. Bull.
Plantation Health, Aiea
Pneumon. danub., Budap.
Polish Sc. & Learn., Oxf.
Polski przegl. chir.
Ponenc. Congr. nac. méd. catól. Chile.

Ponenc. of. Fed. hermand. méd. farm. S. Cosme &c.

Ponenc. Reun. nac. derm. españ.

Pop. Sc. Talks, Phila.
Pop. tskr. sex. upplysn.

Population, Lond.

Portland Clin. Bull.
Porton Techn. Paper
Portugaliae acta biol.
Portugal med.
Postgrad. Course Indust. M. Long Island Coll. M.
Potamos t. bios, Detroit
Potravinářství.
Praca & opieka spol.
Prace antrop., Kraków
Prace Kom. hist. med. Polska akad. umiej.

Prace Kom. lek. Poznań. towarz. przyjac. nauk
Prace Min. zdrow.

Prag. med. Zschr.
Prakt. Arzt, Wien
Prakt. Beitr. Orthopäd.
Prakt. lék., Praha
Prakt. Psychol., Lpz.
Prakt. Zahnarzt, Wien
Prat. doktor, Istambul
Premed. J. Columbia Univ.

Prensa méd., Hermosillo
Prensa pediát., B. Air.
Prepar. mat., Salsomaggiore
Presse dent., Par.
Presse otolar. belge
Previd. sociale
Prev. social, Méx.
Prev. social, Trujillo
Private Physician
Probl. assist. sociale
Probl. fiziol. opt., Moskva
Proc. Aesculap. Soc. Wabash Valley

Proc. All India Obst. Gyn. Congr.

Proc. All India Popul. Conf.

2403. Philippine (The) medical world. Manila.
2404. Philos. Madrid.
2405. Philosophy of science. Baltimore.
2406. Philosophical transactions. London, &c.
2407. Physician's (The) psychiatric digest. Baltimore.
2408. Physiologia comparata et oecologia. 's-Gravenhage.
2409. Physiologie expérimentale. Paris.
2410. Physiologiste (Le) russe. Moskva.
2411. Physiotherapy. Johannesburg.
2412. Physiotherapy. London.
2413. Physical (The) therapy review. Chicago, &c.
2414. Pille (Die) Leipzig.
2415. Pinzette (Die) Wien.
2416. Pittsburgh Hospital bulletin. Pittsburgh.
2417. Plantation health. Aiea, Oahu, &c.
2418. Pneumonologia danubiana. Budapest.
2419. Polish science and learning. Oxford.
2420. Polski przegląd chirurgiczny. Warszawa.
2421. Ponencias y conclusiones; Congreso nacional de médicos católicos de Chile. Santiago de Chile.
2422. Ponencias oficiales, comunicaciones y conclusiones; Federación de hermandades médico-farmacéuticas de San Cosme y San Damián. Madrid.
2423. Ponencias, memoria de secretaría; Reunion nacional de dermatólogos españoles. Barcelona.
2424. Popular science talks. Philadelphia.
2425. Populär tidskrift för sexuell upplysning [och hälsolära] Stockholm.
2426. Population; journal of the International Union for the Scientific Investigation of Population Problems. London.
2427. Portland (The) Clinic bulletin. Portland, Ore.
2428. Porton technical paper. London.
2429. Portugaliae acta biologica. Lisboa.
2430. Portugal medico. Porto.
2431. Postgraduate course in industrial medicine; Long Island College of Medicine. Brooklyn.
2432. Potamos tes bios. Detroit.
2433. Potravinářství. Brno.
2434. Praca i opieka społeczna. Warszawa.
2435. Prace i materiały antropologiczne. Kraków.
2436. Prace Komisji historii medycyny i nauk przyrodniczo-matematycznych; Polska akademia umiejętnosci. Kraków.
2437. Prace Komisji lekarskiej; Poznańskie towarzystwo przyjaciół nauk. Poznań.
2438. [Prace] rok działalności; Ministerstwo zdrowia. Warszawa.
2439. Prager medizinische Zeitschrift. Praha.
2440. Praktische (Der) Arzt. Wien.
2441. Praktische Beiträge zur Orthopädie. Bern.
2442. Praktický lékař. Praha.
2443. Praktische Psychologie. Leipzig.
2444. Praktische (Der) Zahnarzt. Wien.
2445. Pratik doktor. Istambul.
2446. Pre-medical journal of Columbia University. New York.
2447. Prensa médica. Hermosillo, Méx.
2448. Prensa pediátrica. Buenos Aires.
2449. Preparazione (La) materna. Salsomaggiore.
2450. Presse (La) dentaire. Paris.
2451. Presse (La) oto-laryngologique belge. Bruxelles.
2452. Previdenza sociale. Roma.
2453. Prevención social. México.
2454. Previsión social. Ciudad Trujillo.
2455. Private (The) physician. Chicago.
2456. Problemi (I) dell'assistenza sociale. Roma.
2457. Problemy fiziologicheskoi optiki. Moskva.
2458. Proceedings and addresses of the Aesculapian Society of the Wabash Valley. Paris, Ill.
2459. Proceedings; All-India obstetric and gynaecological congress. Madras.
2460. Proceedings of the ... All-India Population and the ... Family Hygiene Conference. Bombay.

Proc. Am. Ass. Dent. Exam.	2461. Proceedings [of the] annual meeting; American Association of Dental Examiners. Memphis, &c.
Proc. Am. Hosp. Ass.	2462. Proceedings of the House of Delegates; American Hospital Association. Chicago.
Proc. Am. Nurs. Ass.	2463. Proceedings of the convention; American Nurses' Association. Detroit, &c.
Proc. Am. Pharm. Manuf. Ass.	2464. Proceedings; American Pharmaceutical Manufacturers' Association. New York, &c.
Proc. Am. Psychopath. Ass.	2465. Proceedings; American Psychopathological Association. New York.
Proc. Am. Soc. Superint. Schools Nurses	2466. Proceedings of the annual convention of the American Society of Superintendents of Training Schools for Nurses. [v. p.]
Proc. Am. Student Health Ass.	2467. Proceedings of annual meeting of the American Student Health Association. Minneapolis, &c.
Proc. Annual Symp. Northwest Univ. M. School Dep. Indust. M.	2468. Proceedings; annual symposium; Northwestern University Medical School; Department of Industrial Medicine. Chicago.
Proc. Austral. Dent. Congr.	2469. Proceedings of the Australian dental congress. Adelaide, &c.
Proc. California Pharm. Ass.	2470. Proceedings of California Pharmaceutical Association. Del Monte, &c.
Proc. California Pharm. Soc.	2471. Proceedings; California Pharmaceutical Society and College of Pharmacy. San Francisco, &c.
Proc. Chelsea Clin. Soc.	2472. Proceedings of the Chelsea Clinical Society. London.
Proc. Com. Army M. Res. (Canada)	2473. Proceedings of the meeting of the Associate Committee on Army Medical Research (National Research Council of Canada) Ottawa.
Proc. Com. Nav. Med. Nat. Res. Counc. Canada	2474. Proceedings of the meeting; Associate Committee on Naval Medical Research; National Research Council of Canada. Ottawa.
Proc. Conf. Educ. Except. Child (Woods Schools)	2475. Proceedings of the Conference on education and the exceptional child of the Child Research Clinic of the Woods Schools. Langhorne, Pa.
Proc. Conf. Exp. Neur., Wash.	2476. Proceedings of the Conference on experimental neuroses and allied problems. Washington.
Proc. Conf. Factors Hypertr. Adrenal, N. Y.	2477. Proceedings; Conference on factors producing hypertrophy of the adrenal cortex in animals. New York.
Proc. Conf. Indust. Ophth.	2478. Proceedings of Conference on industrial ophthalmology. New York.
Proc. Conf. Liver Injury	2479. Proceedings; Conference on liver injury. New York.
Proc. Conf. Prev. M. Off., Balt.	2480. Proceedings; Conference of preventive medicine officers; Preventive Medicine Service; Office of the Surgeon General. Baltimore.
Proc. Conf. Res. Child Develop.	2481. Proceedings; Conference on research in child development. Washington.
Proc. Conf. State Health Author.	2482. Proceedings; annual Conference of the Public Health Service with state health authorities. Washington.
Proc. Conf. Tsetse Trypanosom. Res. East Africa	2483. [Proceedings]; Conference on co-ordination of tsetse and trypanosomiasis (animal and human) research and control in East Africa. Nairobi.
Proc. Conf. U. S. Health Officers	2484. Proceedings; Annual Conference of the United States Public Health Service with the State and Territorial Health Officers. Washington.
Proc. Conf. U. S. Nat. Com. Prev. Blindness	2485. Proceedings of the annual conference of the [United States] National Committee for the Prevention of Blindness. New York.
Proc. Congr. Am. School Hygiene Ass.	2486. Proceedings of the congress of the American School Hygiene Association. Springf., &c.
Proc. Congr. Austral. Dent. Ass.	2487. Proceedings of the Congress of the Australian Dental Association. Melbourne.
Proc. Connecticut Pub. Health Ass.	2488. Proceedings of the Connecticut Public Health Association. Waterbury, Conn.
Proc. Florida Pharm. Ass.	2489. Proceedings of the Florida State Pharmaceutical Association. Palatka, &c.
Proc. Food Nutr. Bd U. S. Nat. Res. Counc.	2490. Proceedings; Food and Nutrition Board; [U. S.] National Research Council. Washington.
Proc. Homeop. M. Soc. Ohio	2491. Proceedings of the annual session of the Homeopathic Medical Society of the State of Ohio. Cleveland, &c.
Proc. Hosp. Ass. N. York State	2492. Proceedings of the annual conference of the Hospital Association of New York State. New York.
Proc. Hosp. Serv. Ass. N. York	2493. Proceedings of the Hospital Social Service Association of New York City. New York.

Proc. Illinois Pharm. Ass.	2494. Proceedings of the annual meeting; Illinois Pharmaceutical Association. Chic., &c.
Proc. Indian Terr. Pharm. Ass.	2495. Proceedings of the Indian Territory Pharmaceutical Association. Tulsa.
Proc. Internat. Congr. Trop. M.	2496. Proceedings of the International congresses on tropical medicine and malaria. Washington.
Proc. Internat. Hahneman. Ass.	2497. Proceedings of the International Hahnemannian Association. Ann Arbor. &c.
Proc. Internat. Soc. Crippled	2498. Proceedings; International Society for Crippled Children. Elyria, O., &c.
Proc. Iowa Acad. Sc.	2499. Proceedings; Iowa Academy of Science. Des Moines.
Proc. Jap. Pharm. Soc.	2500. Proceedings of the Japanese Pharmacological Society. Tokyo.
Proc. Jap. Physiol. Soc.	2501. Proceedings of the Japanese Physiological Society Nagoya.
Proc. Jap. Soc. Forens. M.	2502. Proceedings of the Japanese Society of Forensic Medicine. Tokyo.
Proc. Jap. Soc. Intern. M.	2503. Proceedings of the annual meeting of the Japanese Society of Internal Medicine. Tokyo.
Proc. Kentucky Pharm. Ass.	2504. Proceedings of the Kentucky Pharmaceutical Association. Louisville, &c.
Proc. Maryland Pharm. Ass.	2505. Proceedings of the Maryland [State] Pharmaceutical Association. Baltimore.
Proc. Med. Mission. Conf.	2506. Proceedings of the Medical Missionary Conference. Battle Creek, Mich.
Proc. Midwest. Disc. Group	2507. Proceedings of the Midwestern Discussion Group. [Frankfort? Ky.]
Proc. Mil. Ophth. Meet.	2508. Proceedings; Military ophthalmological meeting. Cleveland.
Proc. Mil. Sess. Am. Soc. Res. Psychosomat. Probl.	2509. Proceedings of the military session; American Society for Research in Psychosomatic Problems. New York.
Proc. M. Sect. Am. Life Convent.	2510. Proceedings of the meeting; Medical Section, American Life Convention. New Orleans, &c.
Proc. Nat. Ass Bds Pharm.	2511. Proceedings of the annual convention of the National Association of Boards of Pharmacy. Toronto, &c.
Proc. Nat. Ass. Manuf. Med. Products	2512. Proceedings; National Association of Manufacturers of Medicinal Products. New York.
Proc. Nat. Funeral Dir. Ass. U. S.	2513. Proceedings of the annual convention; National Funeral Directors' Association of the United States. Chicago.
Proc. Nat. Prison Congr.	2514. Proceedings of the National Prison Congress. Chicago.
Proc. Nat. Soc. Crippled	2515. Proceedings of the annual convention of the National Society for Crippled Children and Adults. Chicago.
Proc. N. England Heart Ass.	2516. Proceedings of the New England Heart Association. Boston.
Proc. Neuropsych. Conf. 6. Serv. Command	2517. Proceedings of the Neuropsychiatric Conference of the Sixth Service Command. Chicago.
Proc. North. Derm. Soc., Stockh.	2518. Proceedings of the meeting of the Northern Dermatological Society. Stockholm.
Proc. N. York Conf. Hosp. Social Serv.	2519. Proceedings of the New York Conference on Hospital Social Service. New York.
Proc. Pacific Sect. Am. Student Health Ass.	2520. Proceedings; Pacific Coast Section, American Student Health Association. [v. p.]
Proc. Panamer. M. Congr.	2521. Proceedings; Panamerican medical congress.
Proc. Race Betterm. Conf.	2522. Proceedings of the Race Betterment Conference. Battle Creek, Mich.
Proc. R. Canad. Inst.	2523. Proceedings of the Royal Canadian Institute. Toronto.
Proc. Recondit. Conf., Atlantic City	2524. Proceedings, Reconditioning Conference; Army Service Forces; Second Service Command. Atlantic City.
Proc. Recondit. Conf., Lexingt.	2525. Proceedings; Reconditioning Conference on the Convalescent Hospital Reconditioning Program. Lexington, Va.
Proc. San. Convent. Michigan	2526. Proceedings; Sanitary convention of the State of Michigan. Lansing.
Proc. S. Dakota Acad. Sc.	2527. Proceedings of the South Dakota Academy of Science. Vermillion.
Proc. Soc. Appl. Bact., Lond.	2528. Proceedings of the Society for Applied Bacteriology. London.
Proc. Soc. Biol. Chemists, Bangalore	2529. Proceedings of the Society of Biological Chemists (India) Bangalore.

Proc. Soc. Jap. Microb.

Proc. Soc. M. Jurispr., N. Y.

Proc. South. Conf. Nutr.

Proc. Subcom. Shock Nat. Res. Counc. Canada

Proc. Texas Acad. S.

Proc. U. S. Mexico Border Health Conf.

Prof. méd., Madr.

Progr. Congr. internaz. difesa sociale

Progr. farm., Bogotá
Progr. med., Istanbul
Progr. med. sociale, Milano
Progr. Philippine Surg. Congr.
Progr. Rep. Brookhaven Nat. Laborat.

Progr. Rep. Com. Artif. Limbs, Wash.

Progr. Rep. Com. Envir. Hyg. U. S. Army

Progr. Rep. Malaria Res. Serv. M. Dep. Brit. Guiana
Progr. Rep. M. Field Res. Laborat. U. S. Navy
Progr. ter., Roma
Progr. ter. clín., B. Air.
Progr. ter. (Riv.) Milano

Project Rep. Com. Food Res. Quartermast. Gen.
Pro medico, Brux.
Protection, Par.
Protesi dent., Tor.
Protok Eesti arstidep.
Protok. Obshch. kremench. vrach.

Protok. Obshch. vrach. Permsk. gub.

Protok. Obshch. vrach. Samarsk. gub.

Protok. Orenburg. fiz. med. obshch.

Protok. Voen. med. akad., S. Peterb.

Provence therm. clim.
Pro vida, Habana
Province dent., Lyon
Przegl. epidem., Warsz.
Przegl. fizjol. ruchu
Psicoterapia, Córdoba
Psiquiat. & crim., B. Air.
Psiquis, Méx.
Psyche, Heidelb.
Psyché, Par.
Psychiat. Aid, Phila.
Psychoanal. Beweg., Wien
Psychoanal. Praxis
Psychoanal. & Social Sc.
Psychogram, Greystone Park
Psychol. Cinema Reg.
Psychol. hig. psych. pracy
Pubb. Centro inform. antibiot., Milano

Pubb. Clin. chir. Bologna

Pubb. Clin. otorinolar. Univ. Firenze

2530. Proceedings of the congress of the Society of Japanese Microbiologists. Tokyo.
2531. Proceedings of the Society of Medical Jurisprudence and State Medicine. New York.
2532. Proceedings of the Southern Conference on Nutrition and Public Health. Chapel Hill, N. C.
2533. Proceedings of the ... meeting of the Subcommittee on Shock and Blood Substitutes; National Research Council of Canada. Ottawa.
2534. Proceedings and transactions of the Texas Academy of Science. Austin, &c.
2535. A record of the proceedings of the United States-Mexico border health conference. [El Paso?]
2536. Profesión médica; suplemento informativo de Gaceta médica española. Madrid.
2537. Programma; Congresso internazionale di difesa sociale. Genova.
2538. Progreso farmacéutico. Bogotá.
2539. Progressus medicinae. Istanbul.
2540. Progresso medico-sociale. Milano.
2541. Programme; Philippine surgical congress. Manila.
2542. Administrative and scientific progress report; Brookhaven National Laboratory. Upton, N. Y.
2543. Progress report; Advisory Committee on Artificial Limbs, National Research Council. Washington.
2544. Progress report; Commission on Environmental Hygiene, United States Army Epidemiological Board. Washington.
2545. Progress report; Malaria Research Service; Medical Department; British Guiana. Georgetown.
2546. Progress report; Medical Field Research Laboratory, United States Navy. Camp Lejeune, N. C.
2547. Progresso (Il) terapeutico. Roma.
2548. Progressos de terapéutica clínica. Buenos Aires.
2549. Progressi di terapia; rivista medica mensile. Milano.
2550. Project report; Committee on Food Research; Office of the Quartermaster General; U. S. Army. Washington.
2551. Pro medico, Bruxelles, &c.
2552. Protection, sécurité, hygiène dans l'atelier. Paris.
2553. Protesi (La) dentaria. Torino.
2554. Protokollid; Eesti arstidepäev. Tartu.
2555. Protokol[y] ... Obshchestva kremenchugskikh vrachei. Kremenchug.
2556. Protokoly; Obshchestvo vrachei Permskoi gubernii. Perm.
2557. Protokoly; Obshchestvo vrachei Samarskoi gubernii. Samara.
2558. Protokoly; Orenburgskoe fiziko-medicinskoe obshchestvo. Orenburg.
2559. Protokoly zasedanii konferencii Imperatorskoi Voenno-medicinskoi akademii. S. Peterburg.
2560. Provence (La) thermale et climatique. Lyon.
2561. Pro-vida. La Habana.
2562. Province (La) dentaire. Lyon.
2563. Przegląd epidemiologiczny. Warszawa.
2564. Przegląd fizjologji ruchu. Warszawa.
2565. Psicoterapia. Córdoba, Argentina.
2566. Psiquiatría y criminología. Buenos Aires.
2567. Psiquis. México.
2568. Psyche. Heidelberg.
2569. Psyché. Paris.
2570. Psychiatric (The) aid. Philadelphia.
2571. Psychoanalytische (Die) Bewegung. Wien.
2572. Psychoanalytische Praxis. Leipzig.
2573. Psychoanalysis and the social sciences. New York.
2574. Psychogram (The) Greystone Park, N. J.
2575. Psychological cinema register. Bethlehem, Pa., &c.
2576. Psychologia i higiena psychiczna pracy. Warszawa.
2577. Pubblicazioni a cura del Centro d'informazioni e studi sugli antibiotici. Milano.
2578. Pubblicazioni della R. Clinica chirurgica di Bologna. Bologna.
2579. Pubblicazioni degli anni accademici; Clinica otorino-laringologica dell'Università di Firenze. Firenze.

Pubb. Clin. otorinolar. Univ. Modena	2580. Pubblicazioni; Clinica oto-rino-laringoiatrica della Università di Modena. Modena.
Pubb. Ist. clin. pediat. Univ. Siena	2581. Publicazioni dell'Istituto di clinica pediatrica della R. Università di Siena. Siena.
Pub. Cleans., Lond.	2582. Public cleansing and salvage. London.
Pub. Direcc. gen. salub. púb. Peru	2583. Publicaciones de la Dirección general de salubridad pública, Peru. Lima.
Pub. Direcc. nac. sal. púb. Argentina	2584. Publicación; Dirección nacional de salud pública y asistencia social; República Argentina. Buenos Aires.
Pub. Fac. Med. Am. Univ. Beirut	2585. Publications; Faculty of Medicine, American University of Beirut. Beirut.
Pub. Health, Johannesb.	2586. Public health. Johannesburg.
Pub. Health News, Oakland	2587. Public (The) health news. Oakland, Calif.
Pub. Health Notes, Adelaide	2588. Public health notes. Adelaide.
Pub. Health Nurses Bull., Victoria	2589. Public health nurses' bulletin. Victoria, Canada.
Pub. Health Welf. Techn. Bull., Tokyo	2590. Public health and welfare technical bulletin. [Supreme Commander for the Allied Powers] Tokyo.
Pub. Inst. biol., Barcel.	2591. Publicaciones del Instituto de biología aplicada. Barcelona.
Pub. Inst. hist. med. Univ. B. Aires	2592. Publicaciones del Instituto de historia de la medicina; Universidad de Buenos Aires. Buenos Aires.
Pub. Inst. Llorente, Madr.	2593. Publicaciones del Instituto Llorente. Madrid.
Pub. Josiah Macy Found.	2594. Publications of Josiah Macy, jr. Foundation. New York.
Pub. med. exp. Univ. Chile	2595. Publicaciones de medicina experimental; Universidad de Chile. Santiago de Chile.
Pub. Misión pat. reg. argent.	2596. Publicación; Misión de estudios de patología regional argentina. Buenos Aires.
Pub. Nat. Soc. Prevent. Blindness	2597. Publication; National Society for the Prevention of Blindness. New York.
Pub. odont., Rio	2598. Publicações odontológicas. Rio de Janeiro.
Pub. Panamer. San. Bur.	2599. Publication; Pan American Sanitary Bureau. Washington.
Pub. pharm., S. Paulo	2600. Publicaçõcs pharmaceuticas. São Paulo.
Pub. Reun. interamer. tifo	2601. Publicación oficial; Reunión interamericana del tifo. México.
Pub. Rev. españ. pediat.	2602. Publicaciones de Revista española de pediatría. Zaragoza.
Pub. Rockefeller San. Com. Hookworm	2603. Publication; Rockefeller Sanitary Commission for the Eradication of Hookworm Disease. Washington.
Pub. Saratoga Spa	2604. Publications of Saratoga Spa. Albany, &c.
Pub. Serv. España & niño esp.	2605. Publicaciones al servicio de España y del niño español; Dirección general de sanidad. Madrid.
Pub. Welf. Indiana	2606. Public welfare in Indiana. Indianapolis.
Puériculture	2607. Puériculture (La) Paris.
Pulse, Johannesb.	2608. Pulse (The) Johannesburg.
Pulse of Pharm., Phila.	2609. Pulse of pharmacy. Philadelphia.
P. verb. Ass. fr. urol.	2610. Procès-verbaux, mémoires et discussions; Association française d'urologie. Paris.
P. verb. Congr. fr. urol.	2611. Procès-verbaux, mémoires et discussions; Congrès français d'urologie. Paris.
P. verb. Congr. internat. urol.	2612. Procès-verbaux, rapports et discussions; Congrès de l'Association internationale d'urologie. Paris.
P. verb. Cons. san. Perse	2613. Procès-verbal; Conseil sanitaire de l'Empire de Perse. Teheran.

Q

Q. Accad. naz. Lincei	2614. Quaderno; Accademia nazionale dei Lincei. Roma.
Q. aggiorn. med.	2615. Quaderni di aggiornamento medico. Roma.
Q. Am. Indust. Hyg. Ass	2616. Quarterly; American Industrial Hygiene Association. Chicago.
QAS Sun, Lond.	2617. Q. A. S. (The) sun; published by the patients of Queen Alexandra Sanatorium. London, Ont.
Q. Bull. Chin. Bibliogr.	2618. Quarterly bulletin of Chinese bibliography. Shanghai, &c.
Q. Bull. Dir. Gen. M. Serv. Air Min., Lond.	2619. Quarterly bulletin of the Director-General of Medical Services, Air Ministry. London.
Q. Circ. (Ash & Sons) Lond.	2620. Quarterly circular (Ash, C. & Sons) London.
Q. clin. ostet.	2621. Quaderni di clinica ostetrica e ginecologica. Parma.
Q. fitoter., Milano	2622. Quaderni di fitoterapia. Milano.
Q. illust. med., Milano	2623. Quaderni (I) de l'illustrazione del medico. Milano.

Q. J. Exp. Psychol., Cambr.	2624. Quarterly (The) journal of experimental psychology. Cambridge, Engl.
Q. med., Roma.	2625. Quaderni medici. Roma.
Q. ostet., Parma	2626. Quaderno (Il) dell'ostetricia. Parma.
Q. Paper Edinburgh Med. Miss. Soc.	2627. Quarterly paper; Edinburgh Medical Missionary Society. Edinburgh.
Q. Progr. Rep. Com. Immuniz. U. S. Army	2628. Quarterly progress report; Commission on Immunization, United States Army Epidemiological Board. Washington.
Q. Progr. Rep. Com. Liver Dis. U. S. Army	2629. Quarterly progress report; Commission on Liver Diseases, U. S. Army Epidemiological Board. Washington.
Q. Progr. Rep. Com. Resp. Dis. U. S. Army	2630. Quarterly progress report; Commission on Acute Respiratory Diseases, U. S. Army Epidemiological Board. Washington.
Q. Progr. Rep. Com. Virus Dis. U. S. Army	2631. Quarterly progress report: Commission on Virus and Rickettsial Diseases, U. S. Army Epidemiological Board. Washington.
Q. Progr. Rep. U. S. Bur. Entom.	2632. Quarterly progress report [U. S.] Bureau of Entomology and Plant Quarantine. Washington.
Q. Project Summary Dent. Sect. Off. Nav. Res.	2633. Quarterly project summary; Dental Section; Office of Naval Research. Washington.
Q. Project Summary Off. Nav. Res.	2634. Quarterly project summary; Office of Naval Research. Washington.
Q. Rep. Detroit Dep. Health	2635. Quarterly report; Detroit Department of Health. Detroit.
Q. Rep. Import. Malaria U S P H S	2636. Quarterly report; Imported malaria studies; U. S. Public Health Service. Columbia, S. C.
Q. Res. Rep. U. S. Arctic Aeromed. Laborat.	2637 Quarterly research report; U. S. Arctic Aeromedical Laboratory. Ladd Air Force Base, Alaska.
Q. Res. Rep. U. S. School Aviat. M.	2638. Quarterly research report; United States Air Force School of Aviation Medicine. Randolph Field, Tex.
Q. Rev., Lond.	2639. Quarterly reviews. London.
Q. Rev. Obst.	2640. Quarterly review of obstetrics and gynecology. Washington.
Q. Rev. Psychiat.	2641. Quarterly review of psychiatry and neurology. Washington.
Q. Sez. perug. Soc. ital. biol. sper.	2642. Quaderni della Sezione perugina della Società italiana di biologia sperimentale. Perugia.
Q. Techn. Progr. Rep. Quartermaster Gen.	2643. Quarterly technical progress report of Quartermaster research and development; Office of the Quartermaster General, U. S. Army. Washington.
Quadren. Rep. Dep. Health Kentucky	2644. Quadrennial report; State Department of Health, Kentucky. Frankfort.
Quartz Lamp, Newark	2645. Quartz (The) lamp. Newark.
Queen Hosp. Bull., Honolulu	2646. Queen's (The) Hospital bulletin. Honolulu.
Queensland Dent. J.	2647. Queensland (The) dental journal. Brisbane.
Quest. gyn. actual.	2648. Questions gynécologiques d'actualité. Paris.
Quest. mét. Inst. antrop. Univ. Coimbra.	2649. Questões de método; Instituto de antropologia, Universidade de Coimbra. Coimbra.
Quím. & farm., Montev.	2650. Química y farmacia. Montevideo.

R

Race Hyg., Tokyo	2651. Race hygiene. Tokyo.
Radiol. austr., Wien	2652. Radiologia Austriaca. Wien.
Radiol. hungar.	2653. Radiologia Hungarica. Budapest.
Radiologia, Roma	2654. Radiologia. Roma.
Radiol. oral, Habana	2655. Radiología oral. La Habana.
Radiol. prat., Lyon	2656. Radiologie pratique. Lyon.
Radiol. sper., Parma	2657. Radiologia sperimentale. Parma.
Radiophysiol. & radiothér.	2658. Radiophysiologie et radiothérapie. Paris.
Radioterapia, Belluno	2659. Radioterapia, [radiobiologia] e fisica medica (title varies) Belluno.
Radsidian, Chic.	2660. Radsidian (The) Chicago.
Rapp. Caisse rech. sc. (France)	2661. Rapport annuel; Caisse des recherches scientifiques (France) Melun.
Rapp. Com. roy. tuberc. Québec	2662. Rapport de la Commission royale de la tuberculose, Province de Québec. Montreal.
Rapp. Conf. internat. tuberc.	2663. [Rapports] Conférence internationale contre la tuberculose. La Haye.
Rapp. Congr. Ass. fr. avance. sc.	2664. Rapports; Congrès; Association française pour l'avancement des sciences. Paris.

Rapp. Congr. Ass. méd. fr. Amérique du Nord	2665. Rapports; Congrès; Association des médecins de langue française de l'Amérique du Nord. Montreal.
Rapp. Congr. colit. (France)	2666. Rapports; Congrès des colites (France) Plombières-les-Bains.
Rapp. Congr. fr. chir.	2667. Informations et rapports; Congrès français de chirurgie. Paris.
Rapp. Congr. fr. gyn.	2668. Rapports; Congrès français de gynécologie. Paris.
Rapp. Congr. fr. stomat.	2669. Rapports; Congrès français de stomatologie. Paris.
Rapp. Congr. fr. thér.	2670. Rapports; Congrès français de thérapeutique. Paris.
Rapp. Congr. hyg. scol., Par.	2671. Rapports; Congrès d'hygiène scolaire et universitaire. Paris.
Rapp. Congr. internat. actin.	2672. Rapport; Congrès international d'actinologie. Paris.
Rapp. Congr. internat. biol. clin.	2673. Rapports du Congrès international de biologie clinique. Paris.
Rapp. Congr. internat. gastroentér.	2674. Rapports et discussions; Congrès international de gastro-entérologie. Bruxelles.
Rapp. Congr. internat. mer	2675. Rapports; Congrès international de la mer. Bruxelles.
Rapp. Congr. nat. gyn.	2676. Rapports; comptes-rendus, mémoires et discussions; Congrès national périodique de gynécologie, d'obstétrique et de paediatrie. [v. p.]
Rapp. Congr. Soc. fr. gyn.	2677. Rapports; Congrès; Société française de gynécologie. Paris.
Rapp. Croix Rouge suisse	2678. Rapport annuel de la Croix-Rouge suisse. Fribourg.
Rapp. Dir. gén. serv. méd. Congo	2679. Rapport annuel; Direction générale des services médicaux; Congo belge. Léopoldville.
Rapp. épidém., Genève	2680. Rapport épidémiologique et démographique [World Health Organization] Genève.
Rapp. Inst. Pasteur Guyane fr.	2681. Rapport sur le fonctionnement technique de l'Institut Pasteur de la Guyane française et du Territoire de l'Inini. Cayenne.
Rapp. Inst. Pasteur Maroc	2682. Rapport sur le fonctionnement de l'Institut Pasteur du Maroc. Alger, &c.
Rapp. Journées méd. tunis.	2683. Rapports; Journées médicales tunisiennes. Paris.
Rapp. Journées thér. Paris	2684. Rapports et communications; Journées thérapeutiques de Paris. Paris.
Rapp. Org. enq. ét. anthrop., Dakar	2685. Rapport; Organisme d'enquête pour l'étude anthropologique des populations indigènes de l'Afrique occidentale française. Dakar.
Rapp. pèlerin., Alex.	2686. Rapport sur le pèlerinage [du Hedjaz]; Conseil sanitaire maritime et quarantenaire d'Egypte. Alexandrie.
Rapp. trav. Laborat. méd. Léopoldville, Brux.	2687. Rapport sur les travaux du Laboratoire médical de Léopoldville. Bruxelles.
Rass. calabr. tisiol.	2688. Rassegna calabrese di tisiologia e medicina. Reggio Calabria.
Rass. derm. sif.	2689. Rassegna di dermatologia e di sifilografia. Parma.
Rasse	2690. Rasse. Leipzig.
Rass. giuliana med.	2691. Rassegna giuliana di medicina. Trieste.
Rass. ital. oncol.	2692. Rassegna italiana di oncologia. Roma.
Rass. neuropsich.	2693. Rassegna di neuropsichiatria. Nocera Inferiore, Italy.
Rass. odont., Milano	2694. Rassegna trimestrale di odontoiatria. Milano.
Rdsch. Interessen d. Pharm., Leitmeritz	2695. Rundschau für die Interessen der Pharmacie, Chemie und der verwandten Fächer. Leitmeritz, &c.
Rebel Rev., Birmingh.	2696. Rebel (The) review [Baptist Hospital] Birmingham, Ala.
Rec. d. trav. chim. Pays Bas	2697. Recueil des travaux chimiques des Pays-Bas [et de la Belgique] Amsterdam.
Rec. d. trav. Inst. chim. biol., Strasb.	2698. Recueil des travaux, Institut de chimie biologique. Strasbourg.
Rec. d. trav. Inst. nat. hyg., Par.	2699. Recueil des travaux de l'Institut national d'hygiène. Paris.
Recenti progr. med., Roma	2700. Recenti progressi in medicina. Roma.
Recent Progr. Hormone Res.	2701. Recent progress in hormone research. New York.
Rec. Genet. Soc. America	2702. Records of the Genetics Society of America. Menasha, Wisc.
Rec. Soc. méd. Marseille	2703. Recueil de la Société royale de médecine de Marseille. Marseille.
Red Cross World, Genève	2704. Red (The) Cross world. Genève.
Reese Rec.	2705. Reese (The) record. Chicago.
Ref. nauch. rabot, Moskva	2706. Referaty nauchno-issledovatelskikh rabot. Moskva.
Refuah vet.	2707. Refuah veterinarith. Tel-Aviv.

Refuat hashinaim	2708. Refuat hashinaim. Jerusalem.
Region. Orthop. Surg., Ann Arb.	2709. Regional orthopaedic surgery and fundamental orthopaedic problems; American Academy of Orthopaedic Surgeons. Ann Arbor.
Register Vet. Surgeons (R. Coll. Vet. Surgeons) Lond.	2710. Register of veterinary surgeons (Royal College of Veterinary Surgeons) London.
Registr. Gen. Statist. Rev. England	2711. Registrar-General's statistical review of England and Wales. London.
Registr. sjukkass., Stockh.	2712. Registrerade sjukkassor av K. Socialstyrelsen. Stockholm.
Rehabil. Serv. Ser., Wash.	2713. Rehabilitation service series; Office of Vocational Rehabilitation. Washington.
Reisebeschr. West & Ostind. Komp., Haag	2714. Reisebeschreibungen von Deutschen Beamten und Kriegsleuten im Dienst der Niederländischen West- und Ost-Indischen Kompagnien. Haag.
Relat. Congr. argent. med. int.	2715. [Relatos y comunicaciones] Congreso argentino de medicina interna. Buenos Aires.
Relat. Congr. lat. amer. cir. plást.	2716. Relatos oficiales, temas libres, sesiones y asambleas; Congreso latino americano de cirugía plástica. Montevideo.
Relat. Dep. saúde Rio Grande do Sul	2717. Relatório; Departamento estadual de saúde, Rio Grande do Sul. Pôrto Alegre.
Relat. Fac. med. cir. Pará	2718. Relatorio; Faculdade de medicina e cirugia do Pará. Belém.
Relat. of. Conf. argent. As. ayuda &c. inválido	2719. Relatos oficiales, contribuciones y discusiones; Conferencia argentina; Asociación de ayuda y orientación al inválido. Buenos Aires.
Relat. of. Congr. chile. cirug.	2720. Relatos oficiales, contribuciones y temas libres; Congreso chileno de cirugía. Santiago de Chile.
Relat. of. Congr. panamer. tuberc.	2721. Relatos oficiales; Congreso panamericano de la tuberculosis. Lima.
Renacimiento, Barranq.	2722. Renacimiento. Barranquilla.
Rendic. Accad. med. fis. fiorent.	2723. Rendiconti delle adunanze dell'Accademia medico-fisica fiorentina. Firenze.
Rendic. Accad. sc. med. chir., Nap.	2724. Rendiconti [ed atti] della [Reale] Accademia di scienze mediche e chirurgiche. Napoli.
Rendic. clin. Clin. ostet. gin. Firenze	2725. Rendiconto clinico; Clinica ostetrica e ginecologica di Firenze. Firenze.
Rendic. clin. Ist. ostet. gin. Firenze	2726. Rendiconto clinico; Istituto ostetrico-ginecologico di Firenze. Firenze.
Rendic. Ist. sup. san., Roma	2727. Rendiconti; Istituto superiore di sanità. Roma.
Rénovation, Par.	2728. Rénovation. Paris.
Rep. Admin. South Sea Islands	2729. Report to the League of Nations on the administration of the South Sea Islands under Japanese mandate. Tokyo.
Rep. Advis. Counc. Nutrit. Australia	2730. Report of the Advisory Council on Nutrition; Australia. Canberra.
Rep. Alameda Co. Hosp.	2731. Report of Alameda County Hospitals, Clinics and the Health Department. Oakland.
Rep. Austral. Inst. Trop. M.	2732. Report for the year; Australian Institute of Tropical Medicine. Melbourne.
Rep. Baruch Com. Phys. M.	2733. Report of the Baruch Committee on Physical Medicine. Chicago.
Rep. Biochem. Standard. Laborat., Calc.	2734. Report of the Bio-Chemical Standardisation Laboratory. Calcutta.
Rep. Bombay Bact. Laborat.	2735. Report of the Bombay Bacteriological Laboratory. Bombay.
Rep. BT Blood Transf. Com., Lond.	2736. [Report] BT; Blood Transfusion Research Committee; Medical Research Council. London.
Rep. Centr. Bd OSE Union	2737. Report of the activity of the Central Board of the OSE Union. Paris.
Rep. Chem. Warf. M. Com. Gr. Britain	2738. Reports of the Chemical Warfare Medical Committee; Medical Research Committee; Great Britain. London.
Rep. Chief M. Off. Min. Educ. Gr. Britain	2739. Report of the Chief Medical Officer of the Ministry of Education; Great Britain. London.
Rep. Chief Vet. Surg. South. Rhodesia	2740. Report; Chief Veterinary Surgeon, Southern Rhodesia. Salisbury.
Rep. Climat. Res. Laborat. U. S. Army	2741. Report; Climatic Research Laboratory, U. S. Army. Lawrence, Mass.
Rep. Com. Airborne Infect. U. S. Army	2742. Report of the Commission on Air-Borne Infections, U. S. Army Epidemiological Commission. Washington.
Rep. Com. Epidem. Surv. U. S. Army	2743. Report of Commission on Epidemiological Survey; U. S. Board for the Investigation and Control of Influenza and other Epidemic Diseases in the Army. Washington.

Rep. Com. Health Puerto Rico	2744. Report of the Commissioner of Health of Puerto Rico. San Juan.
Rep. Com. Hemol. Streptoc. Infect. U. S. Army	2745. Report; Commission on Hemolytic Streptococcal Infections, U. S. Army Epidemiological Board. Washington.
Rep. Com. Influenza U. S. Army	2746. Report; Commission on Influenza, U. S. Army Epidemiological Board. Washington.
Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense	2747. Final report; Committee on Medical and Hospital Services of the Armed Forces (Hawley Committee); U. S. Department of Defense. Washington.
Rep. Co. M. Off. London Co. Counc.	2748. Report of the County Medical Officer of Health and School Medical Officer, London County Council. London.
Rep. Com. Pneumonia U. S. Army	2749. Report; Commission on Pneumonia; U. S. Army Epidemiological Board. Washington.
Rep. Com. Pub. Health N. York Acad. M.	2750. Report of activities; Committee on Public Health Relations, New York Academy of Medicine. New York.
Rep. Com. Trop. Dis. Res. Fund Gr. Britain	2751. Report of the Advisory Committee for the Tropical Diseases Research Fund; Colonial Office, Great Britain. London.
Rep. Com. Trop. Dis. U. S. Army	2752. Report; Commission on Tropical Diseases, U. S. Army Epidemiological Board. Washington.
Rep. Conf. Biol. Appl. Nuclear Phys.	2753. [Report] Conference on biological applications of nuclear physics. Upton, N. Y.
Rep. Conf. Surviv. & Emerg. Rations [U. S.] Chic.	2754. Conference reports; Conference on survival and emergency rations [United States Quartermaster Food and Container Institute for the Armed Forces]. Chicago.
Rep. Convent. Cremat. Ass. America	2755. Report of the proceedings of the convention; Cremation Association of America. San Francisco.
Rep. Counc. Nat. Fitness Australia	2756. Report of the Commonwealth Council for National Fitness, Commonwealth of Australia. Canberra.
Rep. Dairy & Food Com. Connecticut	2757. Report of the Dairy and Food Commissioner, Connecticut. Hartford.
Rep. Dep. Animal Health Gold Coast	2758. Report on the Department of Animal Health; Gold Coast Colony. Accra.
Rep. Dep. Inst. California	2759. Report for governor's council; Department of Institutions, California. Sacramento.
Rep. Dep. Ment. Hyg. California	2760. Report for governor's council; Department of Mental Hygiene, California. Sacramento.
Rep. Dep. Path. Indiana Hosp. Insane	2761. Report from the Department of Pathology and the Department of Clinical Psychiatry; Central Indiana Hospital for the Insane. Indianapolis.
Rep. Dep. Pensions Nat. Health Canada	2762. Report; Department of Pensions and National Health, Canada. Ottawa.
Rep. Dep. Sc. Indust. Res. Gr. Britain	2763. Report; Department of Scientific and Industrial Research, Great Britain. London.
Rep. Dir. School Trop. M., San Juan	2764. Report of the director; School of Tropical Medicine of the University of Puerto Rico. San Juan.
Rep. Div. Res. U. S. Civil Aeronaut. Admin.	2765. Report; Division of Research, United States Civil Aeronautics Administration. Washington.
Rep. Empire Sc. Conf.	2766. Report; Royal Society Empire scientific conference. London.
Repert. sc. fis. med. Piemonte	2767. Repetorio delle scienze fisico-mediche del Piemonte. Torino.
Rep. Europ. Ment. Hosp. Ranchi	2768. Report of the European Mental Hospital at Ranchi. Ranchi.
Rep. Fayette Co. Bd Health	2769. Report on health services for the city of Lexington and Fayette County; Fayette County Board of Health. Lexington, Ky.
Rep. Fed. Health Counc. Australia	2770. Report; Federal Health Council, Australia. Melbourne.
Rep. Food Invest. Bd, Lond.	2771. Report of the Food Investigation Board; Department of Scientific and Industrial Research. London.
Rep. Hadassah M. Org., Jerus.	2772. Report; Hadassah Medical Organization. Jerusalem.
Rep. Health Educ. Conf. U. S.	2773. [Report]; Health education conference [United States]
Rep. Health Hampstead	2774. Abridged report on the health of the Borough; Metropolitan Borough of Hampstead. London.
Rep. Health Malt. Islands	2775. Report on the health conditions of the Maltese Islands and on the work of the Medical and Health Department. Valletta.
Rep. Illinois Pharm. Ass.	2776. Report of the proceedings; Illinois Pharmaceutical Association. Chic., &c.

Rep. Inst. Psychoanal., Chic.	2777. Report; Institute for psychoanalysis. Chicago.
Rep. Internat. Pacific Health Conf.	2778. Report of the International Pacific Health Conference. Melbourne, &c.
Rep. Internat. Union Vener. Dis.	2779. Summary report; International Union Against the Venereal Diseases. New York.
Rep. Invest. Atmosph. Pollut., Lond.	2780. Report on observations; the investigation of atmospheric pollution (Department of Scientific and Industrial Research) London.
Rep. Invest. Yellow Fever Com. W. Africa	2781. Reports on questions connected with the investigation of non-malarial fevers in West Africa; Yellow Fever Commission (West Africa) Liverpool, &c.
Rep. King. Inst. Prev. M. Guindy	2782. Report of the King Institute of Preventive Medicine, Guindy. Madras.
Rep. Laborat. Vertebr. Biol., Ann Arb.	2783. Laboratory of Vertebrate Biology, University of Michigan. Ann Arbor.
Rep. London School Hyg. Trop. M.	2784. Report on the work of the school; London School of Hygiene and Tropical Medicine. London.
Rep. Lymanhurst School Tuberc.	2785. Report; Lymanhurst School for Tuberculous Children. Minneapolis, Minn.
Rep. Malaria M. Dep. Brit. Guiana	2786. Report of the Malaria Investigations Service of the Medical Department, British Guiana. Georgetown.
Rep. M. Div. U. S. Chem. Corps	2787. Reports; Medical Division [United States Army] Chemical Corps. Army Chemical Center, Md, &c.
Rep. Mem. Hosp. Cancer, N. Y.	2788. Report; Memorial Hospital for the Treatment of Cancer and Allied Diseases. New York.
Rep. M. Off. Health Birmingham	2789. Report of the Medical Officer of Health; City of Birmingham. Birmingham, Engl.
Rep. M. Off. Health Bristol	2790. Report of the Medical Officer of Health, City and County of Bristol. Bristol, Engl.
Rep. M. Off. Health Cork	2791. Report of the Medical Officer of Health; County Borough of Cork. Cork.
Rep. M. Off. Health Ipswich	2792. Report of the Medical Officer of Health; Ipswich. Ipswich, Engl.
Rep. M. Off. Health Swansea	2793. Report; Medical Officer of Health, Swansea. Swansea.
Rep. M. Res. Endowm. Act Australia	2794. Report upon the work done under the Medical Research Endowment Act; National Health and Medical Research Council, Australia. Canberra.
Rep. Nat. Health M. Res. Counc. Australia	2795. Report; National Health and Medical Research Council, Australia. Canberra.
Rep. Nat. Hosp. Speech Disord., N. Y.	2796. Report; National Hospital for Speech Disorders. New York.
Rep. Nevada Bd Health	2797. Report of the Nevada State Board of Health. Carson City.
Rep. N. Jersey Crippled Child. Com.	2798. Report of the New Jersey State Crippled Children Commission. Trenton.
Rep. of Proc. Austral. Dent. Congr.	2799. Report of the proceedings of the Australian dental congress. Brisbane, &c.
Rep. Ontario M. Ass.	2800. Reports and business programme for the annual meeting of the Ontario Medical Association. Toronto.
Rep. Pierre Fauchard Acad.	2801. Report of the annual meeting of the Pierre Fauchard Academy. Chicago.
Rep. Plague Res. Laborat., Bombay	2802. Report of the Plague Research Laboratory. Bombay.
Rep. Pneumonia Com. U. S. Army	2803. Report of the activities of the Pneumonia Commission, U. S. Army Epidemiological Commission. Washington.
Rep. Postgrad. Com. M. Univ. Sydney	2804. Report of the Post-Graduate Committee in Medicine in the University of Sydney. Sydney.
Rep. Progr. Physics, Lond.	2805. Reports on progress in physics. London.
Rep. Provinc. Bd Health Brit. Columbia	2806. Report of the Provincial Board of Health and report of the Department of Health and Welfare (Health Branch); Province of British Columbia. Victoria.
Rep. Pub. Health Dep. West. Australia	2807. Report of the Public Health Department; Western Australia. Perth.
Rep. Pub. Health South. Rhodesia	2808. Report of the public health; Southern Rhodesia. Salisbury.
Repr. Ella Sachs Plotz Found.	2809. Reprints of investigations aided financially by the Ella Sachs Plotz Foundation for the Advancement of Scientific Investigation. [New York?]
Repr. Fifth Ave. Hosp., N. Y.	2810. Reprints from the medical and surgical services of the Fifth Avenue Hospital. New York.
Rep. Rivers Po ll.Com. Gr. Britain	2811. Report; Rivers Pollution Commission; Great Britain. London.

Rep. Ross Inst. Indust. Adv. Com., Lond.

Rep. School Health Serv., Liverp.

Rep. S. Dakota Food & Drug Com.

Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Rep. Steno Mem. Hosp., Kbh.

Rep. Subcom. Clin. Invest. (NRC) Wash.

Rep. Subcom. Malar. Stud. (NRC) Wash.

Rep. Sudan M. Serv.

Rep. Tuberc. Off. Lancashire Co.

Rep. U. S. Army Epidem. Bd

Rep. U. S. Interdep. Social Hyg. Bd

Rep. U. S. Nat. Mus.

Rep. U. S. Nav. Res. Laborat.

Rep. Water Pollut. Res., Lond.

Rep. Yale Aeromed. Res. Unit

Rep. Yellow Fever Com. W. Africa

Res. Bull. Psychol. Res. Unit S. Antonio Cadet Center

Res. & Develop. Program U. S. Army Quartermaster Gen.

Res. & Develop. Progr. (U. S. Army Quartermaster), Wash.

Research, Lond.

Research Rev. (U. S. Navy)

Res. & Progr., Berl.

Res. Pub. Ass. Nerv. Ment. Dis.

Res. Rep. Aviat. Psychol. U. S. Air Forces

Res. Serv. M.

Resum. Congr. hisp. portug. farm.

Resumés Congr. internac. lepra

Reun. Serv. benef. asist. social Hosp. Salvador, Santiago

Rev. ADEF, B. Air.

Rev. As. Esc. med., Guayaquil

Rev. As. farm., B. Air.

Rev. As. odont. Perú

Rev. As. odont. urug.

Rev. Ass. méd. Minas Gerais

Rev. Ass. paul. cirurg. dent.

Rev. belge path.

Rev. belge puéricult.

Rev. belge stomat.

Rev. benef. púb., Santiago

Rev. brasil. farm. odont.

2812. Report of a meeting of the Ross Institute Industrial Advisory Committee; London School of Hygiene and Tropical Medicine. London.

2813. Report on the work of the School Health Service. Liverpool.

2814. Report (Annual and Biennial) of the South Dakota Food and Drug Commissioner. Vermillion.

2815. Report; Special Devices Center, U. S. Office of Naval Research. Port Washington, N. Y.

2816. Reports of the Steno Memorial Hospital and the Nordisk insulinlaboratorium. København.

2817. Report; Subcommittee on Clinical Investigation (National Research Council) Washington.

2818. Report; Subcommittee on Coordination of Malarial Studies (National Research Council) Washington.

2819. Report of the Sudan Medical Service. Khartoum.

2820. Report; Central Tuberculosis Officer, Lancashire County Council. Preston.

2821. Report to the Surgeon General, U. S. Army; United States Army Epidemiological Board. Washington.

2822. Report of the United States Interdepartmental Social Hygiene Board. Washington.

2823. Report; United States National Museum. Washington.

2824. Report; U. S. Naval Research Laboratory. Washington.

2825. Report of the Water Pollution Research Board, Department of Scientific and Industrial Research. London.

2826. Report; Yale Aeromedical Research Unit. Washington.

2827. Reports; Yellow Fever Commission (West Africa) London.

2828. Research bulletin; Psychological Research Unit; San Antonio Aviation Cadet Center; U. S. Air Force. San Antonio.

2829. Research and development program; (U. S. Army) Office of the Quartermaster General. Washington.

2830. Research and development; progress report; (U. S. Army, Office of the Quartermaster General) Washington.

2831. Research. London.

2832. Research reviews (U. S. Navy) Washington.

2833. Research and progress. Berlin.

2834. Research publications; Association for Research in Nervous and Mental Disease. Baltimore.

2835. Research reports; Aviation psychology program; [United States] Army Air Forces. Washington.

2836. Research in the service of medicine. Chicago.

2837. Resúmenes de las comunicaciones científicas; Congreso hispanoportugués de farmacia. Madrid.

2838. Resumés; Congreso internacional de la lepra. La Habana.

2839. Reunión [clínica] anual; Servicios de beneficencia y asistencia social; Hospital del Salvador. Santiago de Chile.

2840. Revista; A[sociación]D[e]E[mpleados de]F[armacia] Buenos Aires.

2841. Revista de la Asociación Escuela de medicina, Universidad de Guayaquil. Guayaquil.

2842. Revista; Asociación de farmacias. Buenos Aires.

2843. Revista de la Asociación odontológica del Perú. Lima.

2844. Revista de la Asociación odontológica uruguaya. Montevideo.

2845. Revista da Associação médica de Minas Gerais. Belo Horizonte.

2846. Revista da Associação paulista de cirurgiões dentistas. São Paulo.

2847. Revue belge de pathologie et de médecine expérimentale. Bruxelles.

2848. Revue belge de puériculture. Bruxelles.

2849. Revue belge de stomatologie. Louvain.

2850. Revista de beneficençia pública. Santiago de Chile.

2851. Revista brasileira de farmácia e odontologia (Revista XXV de Janeiro) São Paulo.

Rev. brasil. hist. med.

Rev. brasil. oft.
Rev. Centre neuropsych., Brux.
Rev. Centro acad. med. vet., S. Paulo

Rev. Centro estud. demogr., Lisb.

Rev. Centro estud. med. vet., B. Air.

Rev. Centro psiquiát. nac., Rio

Rev. chilena hig.
Rev. chilena hijiene
Rev. chilena neuropsiq.

Rev. chilena otorinolar.

Rev. cienc. farm. méd., Guatemala

Rev. cient., S. Miguel
Rev. cirug., Lima
Rev. clín. Inst. mat., Lisb.
Rev. Clín. Venezuela
Rev. Col. farm. nac. Rosario

Rev. Col. méd. Anzoategui

Rev. Col. méd. Uruguay

Rev. comerc. farm., Habana
Rev. crim., Santiago

Rev. Cruz Verm. brasil.

Rev. cubana laborat. clín.
Rev. cursos, P. Alegre
Rev. cytol., Par.

Rev. dent., Lima
Rev. dent., Montev.
Rev. dent., Río Piedras
Rev. dent., S. Salvador
Rev. dent., Trujillo
Rev. dent. brasil.
Rev. Direcc. gen. estadíst., Córdoba

Rev. élev. méd. vét. pays trop.

Rev. españ. amer. lar. &c.

Rev. españ. cirug. traumat.

Rev. españ. reumat.

Rev. españ. segur. social
Rev. estadíst., Méx.
Rev. eugén., Brux.
Rev. Fac. méd., Teheran
Rev. Fac. med. vet., Bogotá

Rev. farm., B. Air.
Rev. farm., Barranquilla
Rev. farm. med. exp., Lima

Rev. farm. odont., Niterói
Rev. farm. peru.
Rev. farm. P. Rico
Rev. Fed. méd. Guatemala

Rev. flumin. med.
Rev. fr. puéricult.
Rev. fr. sérol.

2852. Revista brasileira de história da medicina. Rio de Janeiro.
2853. Revista brasileira de oftalmologia. Rio de Janeiro.
2854. Revue du Centre neuro-psychiatrique. Bruxelles.
2855. Revista; Centro acadêmico medicina veterinária. São Paulo.
2856. Revista; Centro de estudos demográficos, Instituto nacional de estatística, Portugal. Lisboa.
2857. Revista del Centro de estudiantes de medicina veterinaria. Buenos Aires.
2858. Revista do Centro psiquiátrico nacional. Rio de Janeiro.
2859. Revista chilena de higiene. Santiago de Chile.
2860. Revista chilena de hijiene. Santiago de Chile.
2861. Revista chilena de neuro-psiquiatría. Santiago de Chile.
2862. Revista chilena oto-rino-laringología. Santiago de Chile.
2863. Revista de ciencias, farmacéuticas, médicas y naturales. Guatemala.
2864. Revista científica. San Miguel, Salvador.
2865. Revista de cirugía. Lima.
2866. Revista clínica do Instituto maternal. Lisboa.
2867. Revista de la Clínica Venezuela. Caracas.
2868. Revista del Colegio de farmacéuticos nacionales [de Rosario] Rosario, Argent.
2869. Revista del Colegio de médicos del Estado Anzoategui. Caracas.
2870. Revista del Colegio médico del Uruguay. Montevideo.
2871. Revista comercial farmacéutica. La Habana.
2872. Revista de criminología y policía científica. Santiago de Chile.
2873. Revista da Cruz Vermelha brasileira. Rio de Janeiro.
2874. Revista cubana de laboratorio clínico. La Habana.
2875. Revista dos cursos. Porto Alegre.
2876. Revue de cytologie et de cytophysiologie végétales. Paris.
2877. Revista dental. Lima.
2878. Revista dental. Montevideo.
2879. Revista dental. Río Piedras.
2880. Revista dental. San Salvador.
2881. Revista dental. Ciudad Trujillo.
2882. Revista dentaria brasileira. Rio de Janeiro.
2883. Revista de la Dirección general de estadística; Provincia de Córdoba. Córdoba.
2884. Revue d'élevage et de médecine vétérinaire des pays tropicaux. Paris.
2885. Revista española y americana de laringología, otología y rinología. Madrid.
2886. Revista española de cirugía, traumatología y ortopedia. Valencia, &c.
2887. Revista española de reumatismo y enfermedades osteoarticulares. Barcelona.
2888. Revista española de seguridad social. Madrid.
2889. Revista de estadística. México.
2890. Revue d'eugénique. Bruxelles.
2891. Revue de la Faculté de médecine. Teheran.
2892. Revista de la Facultad de medicina veterinaria y de zootecnia. Bogotá.
2893. Revista farmacéutica. Buenos Aires.
2894. Revista farmacéutica. Barranquilla.
2895. Revista de farmacología y medicina experimental. Lima.
2896. Revista de farmácia e odontologia. Niterói.
2897. Revista farmacéutica peruana. Lima.
2898. Revista farmacéutica de Puerto Rico. San Juan.
2899. Revista de la Federación médica de Guatemala. Guatemala.
2900. Revista fluminense de medicina. Niteroi.
2901. Revue française de puériculture. Paris.
2902. Revue française de sérologie et de chimiothérapie. Paris.

Rev. gén. méd. chir. Afrique du Nord.	2903. Revue générale de médecine et de chirurgie de l'Afrique du Nord et des colonies françaises. Alger.
Rev. gén. méd. chir. Union fr., Alger	2904. Revue générale de médecine et de chirurgie de l'Union française. Alger.
Rev. gén. sc. psychiq.	2905. Revue générale des sciences psychiques. Paris.
Rev. hig. med. escol., B. Air.	2906. Revista de higiene y medicina escolares. Buenos Aires.
Rev. hig. san. pecuar., León	2907. Revista de higiene y sanidad pecuarias. León, &c.
Rev. hig. saúde púb., Rio	2908. Revista de higiene e saúde pública. Rio de Janeiro.
Rev. hist. méd. hébr., Par.	2909. Revue d'histoire de la médecine hébraïque. Paris.
Rev. hist. pharm., Par.	2910. Revue d'histoire de la pharmacie. Paris.
Rev. hist. sc., Par.	2911. Revue d'histoire des sciences et de leurs applications. Paris.
Rev. hosp., Montev.	2912. Revista de los hospitales. Montevideo.
Rev. Hosp. de La Samarit., Bogotá	2913. Revista del Hospital de La Samaritana. Bogotá.
Rev. Hosp. N. S. Aparecida, S. Paulo	2914. Revista do Hospital N[ossa] Senhora Aparecida. São Paulo.
Rev. ibér. parasit.	2915. Revista ibérica de parasitología. Granada.
Rev. IBYS, Madr.	2916. Revista I[nstituto de]B[iología] Y S[ueroterapia] Madrid.
Review. Stand, Evanst.	2917. Reviewing (The) stand. Evanston.
Rev. igiena social., Bucur.	2918. Revista de igienă socială. Bucureşti.
Rev. inform. méd. ter., Barcel.	2919. Revista de información médico-terapéutica. Barcelona.
Rev. Inst. méd. Sucre	2920. Revista del Instituto medico Sucre. Sucre.
Rev. Inst. Psychoanal., Chic.	2921. Review for the year; Institute for Psychoanalysis. Chicago.
Rev. invest. clín., Méx.	2922. Revista de investigación clínica. México.
Rev. Kuba med. trop.	2923. Revista Kuba de medicina tropical y parasitología. La Habana.
Rev. League Red Cross Soc.	2924. Review and information bulletin of the League of Red Cross Societies. Paris, &c.
Rev. Ligue Croix-Rouge	2925. Revue et bulletin d'information de la Ligue des sociétés de la Croix-Rouge. Paris.
Rev. matern., Managua	2926. Revista maternal. Managua.
Rev. méd., Bogotá	2927. Revista médica [var.: Revista médica de Bogotá] Bogotá.
Rev. méd., Quito	2928. Revista médica [Asociación Médica de Quito] Quito.
Rev. med., Recife	2929. Revista de medicina. Recife.
Rev. méd. aeronáut., Rio	2930. Revista médica da aeronáutica. Rio de Janeiro.
Rev. méd. As. Esc. med., Quito	2931. Revista médica; órgano de la Asociación Escuela de medicina. Quito.
Rev. med. cienc. af., Méx.	2932. Revista de medicina y ciencias afines. México.
Rev. med. cir. (Maracay) Caracas	2933. Revista de medicina y cirugía; órgano de la Asociación de médicos y cirujanos de la Clínica Maracay. Caracas.
Rev. med. cir. S. Paulo	2934. Revista de medicina e cirurgia de São Paulo. São Paulo.
Rev. méd. Cruz Roja Mex.	2935. Revista médica de la Cruz Roja Mexicana. México.
Rev. med. deport., B. Air.	2936. Revista de medicina aplicada a los deportes, educación física y trabajo. Buenos Aires.
Rev. méd. dominic.	2937. Revista médica dominicana. Ciudad Trujillo.
Rev. méd. ecuat.	2938. Revista del médico ecuatoriano. Quito.
Rev. méd. farm., Habana	2939. Revista médico farmacéutica. La Habana.
Rev. méd. farm., S. Salvador	2940. Revista médico-farmacéutica. San Salvador.
Rev. méd. farm. dominic.	2941. Revista médico-farmacéutica dominicana. Ciudad Trujillo.
Rev. méd. farm. mex.	2942. Revista médico-farmacéutica mexicana. México.
Rev. med. hig. práct., Valparaiso	2943. Revista de medicina e higiene prácticas. Valparaiso, Chile.
Rev. méd. hosp., Santiago	2944. Revista médica de los hospitales. Santiago de Chile.
Rev. méd. Hosp. ital. La Plata	2945. Revista médica del Hospital italiano de La Plata. La Plata.
Rev. méd. La Plata	2946. Revista médica de La Plata. La Plata, Argentina.
Rev. med. leg., Madr.	2947. Revista de medicina legal. Madrid.
Rev. med. leg., Rosario	2948. Revista de medicina legal y jurisprudencia médica. Rosario.
Rev. méd. mil., Trujillo	2949. Revista médico-militar. Ciudad Trujillo.
Rev. méd. Moyen Orient	2950. Revue médicale du Moyen Orient. Beirut.
Rev. méd. occid., Cali	2951. Revista médica de occidente. Cali, Colombia.
Rev. méd. panamer., N. Y.	2952. Revista médica panamericana. New York.
Rev. méd. panamer., Recife	2953. Revista médica panamericana. Recife.
Rev. med. Pasteur, Méx.	2954. Revista de medicina Pasteur [later: Revista mensual de medicina Pasteur] México.

Rev. méd. social, S. Paulo	2955. Revista médico-social. São Paulo.
Rev. méd. Tucumán	2956. Revista médica de Tucumán. Tucumán.
Rev. méd. Valparaíso	2957. Revista médica de Valparaíso. Valparaíso.
Rev. méd. vét.	2958. Revue de médecine vétérinaire. Toulouse.
Rev. med. vet., Bogotá	2959. Revista de medicina veterinaria. Bogotá.
Rev. med. vet., Lisb.	2960. Revista de medicina veterinária. Lisboa.
Rev. méd. vét. mil., Istambul	2961. Revue de médecine vétérinaire militaire. Istambul.
Rev. mens. Coop. pharm. fr.	2962. Revue mensuelle de la Coopération pharmaceutique française. Melun.
Rev. mex. cienc. méd.	2963. Revista mexicana de ciencias médicas y biológicas. México.
Rev. mex. hig. ment.	2964. Revista mexicana de higiene mental. México.
Rev. Min. salud púb., Asunción	2965. Revista del Ministerio de salud pública y previsión social; Paraguay. Asunción.
Rev. Mus. nac. Rio	2966. Revista do Museu nacional do Rio de Janeiro. Rio de Janeiro.
Rev. Nat. Res. Counc. Canada	2967. Review; National Research Council, Canada. Ottawa.
Rev. Obras san. nac., B. Air.	2968. Revista de Obras sanitarias de la nación. Buenos Aires.
Rev. obst. gin. S. Paulo	2969. Revista de obstetrícia e ginecologia de São Paulo. São Paulo.
Rev. odont., Asunción	2970. Revista odontológica. Asunción.
Rev. odont., Méx.	2971. Revista odontológica. México.
Rev. odontotec., Santiago	2972. Revista odontotecnia. Santiago de Chile.
Rev. odont. Paraíba	2973. Revista odontológica da Paraíba. João Pessoa, Brasil.
Rev. ophth. S. Paulo	2974. Revista de ophthalmologia de S. Paulo. São Paulo.
Rev. opt., Par.	2975. Revue d'optique. Paris.
Rev. oral cienc. méd., B. Air.	2976. Revista oral de ciencias médicas. Buenos Aires.
Rev. Organa, Santiago	2977. Revista Organa. Santiago de Chile.
Rev. OSE, Par.	2978. Revue OSE. Paris.
Rev. otorrinolar. (Chile)	2979. Revista de otorrinolaringologia. Santiago de Chile.
Rev. ouïe	2980. Revue de l'ouïe. Nice.
Rev. panamer. med. cir. tórax	2981. Revista panamericana de medicina y cirugía del tórax. México.
Rev. pat. infec., B. Air.	2982. Revista de patología infecciosa. Buenos Aires.
Rev. pediat., Cluj	2983. Revista de pediatrie şi puericultură. Cluj.
Rev. portug. obst.	2984. Revista portuguesa de obstetrícia, ginecologia e cirurgia. Coimbra.
Rev. portug. pediat.	2985. Revista portuguesa de pediatria e puericultura. Lisboa.
Rev. pract., Valencia	2986. Revista del practicante. Valencia.
Rev. progr. thér., Leverkusen	2987. Revue des progrès thérapeutiques. Leverkusen.
Rev. pub. nav., B. Air.	2988. Revista de publicaciones navales. Buenos Aires.
Rev. QS., Par.	2989. Revue QS. Paris.
Rev. quím. farm., Santiago	2990. Revista químico-farmacéutica. Santiago, Chile.
Rev. quím. farm., Tegucigalpa	2991. Revista de química y farmacia. Tegucigalpa.
Rev. salub. asist., Orizaba	2992. Revista de salubridad y asistencia. Orizaba, Ver.
Rev. san., Santa Fé	2993. Revista de sanidad, asistencia social y trabajo. Santa Fé, Argent.
Rev. san. aeronáut., B. Air.	2994. Revista de sanidad de aeronáutica. Buenos Aires.
Rev. san. mil. argent.	2995. Revista de la sanidad militar argentina. Buenos Aires.
Rev. san. vet., Madr.	2996. Revista de sanidad veterinaria. Madrid.
Rev. sc. otorhinolar., Cluj.	2997. Revue des sciences oto-rhino-laryngologiques. Cluj.
Rev. Semana farm., S. José	2998. Revista de la Semana de la farmacia. San José, Costa Rica.
Rev. sensib. immun., Bucur.	2999. Revue de sensibilisation et d'immunobiologie clinique. Bucureşti.
Rev. Serv. espec. saúde púb., Rio	3000. Revista do Serviço especial de saúde pública. Rio de Janeiro.
Rev. Soc. biol. Lima	3001. Revista de la Sociedad de biología de Lima. Lima.
Rev. Soc. estud. clín. Cienfuegos	3002. Revista de la Sociedad de estudios clínicos de Cienfuegos. Cienfuegos, Cuba.
Rev. Soc. méd. Lara	3003. Revista de la Sociedad médica de Lara. Barquisimeto.
Rev. Soc. paul. med. vet.	3004. Revista da Sociedade paulista de medicina veterinária. São Paulo.
Rev. Soc. peru. prótes. dent.	3005. Revista de la Sociedad peruana de prótesis dental y maxilo-facial. Lima.
Rev. Soc. portug. estomat.	3006. Revista da Sociedade portuguesa de estomatologia. Lisboa.
Rev. Soc. urol., Santiago	3007. Revista de la Sociedad de urología. Santiago de Chile.

Rev. suisse accid. trav.	3008. Revue suisse des accidents du travail. Genève, &c.
Rev. ter., Rio	3009. Revista terapeutica. Rio de Janeiro.
Rev. ter. alcaloid., Par.	3010. Revista terapéutica de los alcaloides. Paris.
Rev. thér. alcaloïd., Par.	3011. Revue thérapeutique des alcaloïdes. Paris.
Rev. thér. Meurice	3012. Revue de thérapeutique Meurice. Bruxelles.
Rev. tisiol. práct., Montev.	3013. Revista de tisiología práctica. Montevideo.
Rev. trimestr. suisse odont.	3014. Revue trimestrielle suisse d'odontologie. Genève.
Rev. Univ. Zulia	3015. Revista de la Universidad del Zulia. Maracaibo.
Rev. urol. S. Paulo	3016. Revista urologica de S. Paulo. São Paulo.
Rev. War Surg. & M.	3017. Review of war surgery and medicine. Washington.
Rhumatologie	3018. Rhumatologie. Aix-les-Bains.
Ricer. med. sper.	3019. Ricerche e studi di medicina sperimentale. Torino.
Ricer. pat. sper.	3020. Ricerche e studi di patologia sperimentale. Torino.
Ricoparian, Providence	3021. Ricoparian (The) Providence.
Riedel Arch.	3022. Riedel-Archiv. Berlin.
Rikagaku kenkyu syo iho	3023. Rikagaku kenkyū-syo ihō. Tokyo.
Rinnov. med., Genova	3024. Rinnovamento medico. Genova.
Rinsyo	3025. Rinsyō. Tokyo.
Rinsyo ganka	3026. Rinsyō ganka. Tokyo.
Rinsyo geka	3027. Rinsyō geka. Tokyo.
Rinsyo hihu hinyoka	3028. Rinsyō hihu hinyōka. Tokyo.
Rinsyo hihu hinyokika	3029. Rinsyō hihu hinyōkika. Tokyo.
Rinsyo huzinka sanka	3030. Rinsyō huzinka-sanka. Tokyo.
Rinsyo igaku	3031. Rinsyō igaku. Tokyo.
Rinsyo igaku syasin zuhu	3032. Rinsyō igaku syasin zuhu. Tōkyō.
Rinsyo iho, Osaka	3033. Rinsyō ihō. Osaka.
Rinsyo iho, Tokyo	3034. Rinsyō ihō. Tokyo.
Rinsyo keirin	3035. Rinsyo keirin. Tokyo.
Rinsyo & kenkyu	3036. Rinsyō to kenkyū. Hukuoka.
Rinsyo naika syonika	3037. Rinsyo naika syonika. Tokyo.
Rinsyo no hihu hinyoka	3038. Rinsyō no hihu hinyōka to sono kyōiki. Tokyo.
Rinsyo no Nippon	3039. Rinsyō no Nippon. Tokyō.
Rinsyó sika	3040. Rinsyó sika. Osaka.
Rinsyo sika gappo	3041. Rinsyō sika gappō. Tokyo.
Rinsyo zibiinkoka	3042. Rinsyo zibiinkoka. Tokyo.
Riv. anat. pat.	3043. Rivista di anatomia patologica e di oncologia. Parma.
Riv. biol. colon., Roma	3044. Rivista di biologia coloniale. Roma.
Riv. bioter. immun.	3045. Rivista di bioterapia e immunologia. Milano.
Riv. chir. med., Parma	3046. Rivista di chirurgia e medicina. Parma.
Riv. difesa sociale	3047. Rivista di difesa sociale. Genova.
Riverside Hosp. Bull., Jacksonv.	3048. Riverside Hospital bulletin. Jacksonville.
Riv. gastroenter.	3049. Rivista di gastro-enterologia. Parma.
Riv. internaz. protez. sociale	3050. Rivista internazionale della protezione sociale. Roma.
Riv. Ist. sieroter. ital.	3051. Rivista dell'Istituto sieroterapico italiano. Napoli.
Riv. ital. demogr.	3052. Rivista italiana di demografia e statistica. Roma.
Riv. ital. radiest., Brescia	3053. Rivista italiana di radiestesia. Brescia.
Riv. ital. ter.	3054. Rivista italiana di terapia. Napoli.
Riv. ital. tuberc.	3055. Rivista italiana della tubercolosi. Udine.
Riv. med., Bari	3056. Rivista di medicina e chirurgia [Formerly: Rivista di medicina] Bari.
Riv. med. clero	3057. Rivista medica per il clero. Bologna.
Riv. mens. Trieste	3058. Rivista mensile della Città di Trieste. Trieste.
Riv. mil. med. vet.	3059. Rivista militare di medicina veterinaria. Roma.
Riv. odontojatr.	3060. Rivista di odontojatria e ortognatodonzia. Parma.
Riv. ostet., Fir.	3061. Rivista di ostetricia e ginecologia. Firenze.
Riv. paramed.	3062. Rivista paramedica. Reggio Emilia.
Riv. pat. clin., Parma	3063. Rivista di patologia e clinica. Parma.
Riv. radiol., Milano	3064. Rivista di radiologia. Milano.
Riv. san., Nap.	3065. Rivista (La) sanitaria. Napoli.
Riv. sc. appl. educ. fis.	3066. Rivista di scienze applicate all'educazione fisica e giovanile. Roma.
Riv. Univ. Bari	3067. Rivista della R. Università degli studi Benito Mussolini di Bari. Bari.
R. Naval M. Bull.	3068. Royal naval medical bulletin. [London?]
Roč. Cesk. kardiol. spol.	3069. Ročenka Ceskoslovenské kardiologické společnosti. Praha.
Rocky Mountain Conf. Infant. Paral.	3070. Rocky Mountain conference on infantile paralysis. Denver.
Roč. Vědec. úst. průmysl. zdrav.	3071. Ročenka; Vědecký ustav pro průmyslové zdravotnictví při Batové nemocnici ve Zlíně. Zlín.
Rocz. Akad. umiej. Krakowie	3072. Rocznik Akademii umiejętności w Krakowie. Kraków.
Rocz. Polsk. akad. umiej.	3073. Rocznik Polskiej akademji umiejętności. Kraków.

Rocz Uniw. Lublin	3074. Roczniki Uniwersytetu Marii Curie-Skłodowskiej w Lublinie. Lublin.
Rocz Wydz. lek., Kraków	3075. Rocznik Wydziału lekarskiego w Uniwersytecie Jagiellońskim. Kraków.
Röntg. Photogr., Stuttg.	3076. Röntgen Photographie und medizinische Photographie. Stuttgart.
Rozhl. chir., Praha	3077. Rozhledy v chirurgii [a gynaekologii] Praha.
Rozhl. tuberk.	3078. Rozhledy v tuberkulose. Praha.
Rozm. nauk., Kraków	3079. Rozmaitości naukowe. Kraków.
Rozpr. Akad. nauk. lek., Warsz.	3080. Rozprawy Akademji nauk lekarskich. Warszawa.
Rozpr. Akad. umiej., wydz. mat. przyrod.	3081. Rozprawy Akademii umiejętności, wydział matematyczno-przyrodniczy. Kraków.
Rozpr. Ceské akad.	3082. Rozpravy České akademie věd a umění. Praha.
Rozpr. wydz. lek. Polska. Akad.	3083. Rozprawy wydziału lekarskiego; Polska Akademia umiejętności. Kraków.
RPA, Sydney	3084. R. P. A.; the official journal of the Royal Prince Alfred Hospital. Sydney.
Ruskii invalid	3085. Ruskii invalid. S. Peterburg.
Russ. evgen. J.	3086. Russkii evgenichesky jurnal. Moskva.
Russ. vest. derm.	3087. Russkii vestnik dermatologii. Moskva.
Russ. vrach., Praha	3088. Russkii vrach v Chekhoslovakii. Praha.
Ryoyo seikatu	3089. Ryōyō seikatu. Odawara.

S

Sacrooccip. Res. Bull.	3090. Sacro-occipital research bulletin. Nebraska City.
S. Afr. M. Congr.	3091. South African Medical Congress. Durban.
S. Afr. Pharm. J.	3092. South African pharmaceutical journal. Johannesburg.
Saggi oft., Bologna	3093. Saggi di oftalmologia. Bologna.
Sağlık dergisi	3094. Sağlık dergisi. Istanbul.
Saikingaku zassi	3095. Saikingaku zassi. Tōkyō.
Saltillo méd.	3096. Saltillo médico. Saltillo, Méx.
Salub. & hig., Jalapa	3097. Salubridad e higiene. Jalapa, Méx.
Salud, Bogotá	3098. Salud. Bogotá.
Salute, Roma	3099. Salute. Roma.
Salvador méd.	3100. Salvador (El) médico. San Salvador.
Samiksa, Calc.	3101. Samiksa; journal of the Indian Psychoanalytical Society. Calcutta.
Saml. författn. cirk. medväs. Sverige	3102. Samling av författningar och cirkulär m. m. angående medicinalväsendet i Sverige. Stockholm.
Sammelber. Berat. Psychiater Heer. San. Inspekt. (Germany)	3103. Sammelbericht Beratender Psychiater beim Heeres-Sanitätsinspekteur (Germany) Berlin.
Samml. diagn. ther. Abh.	3104. Sammlung diagnostisch-therapeutischer Abhandlungen für den praktischen Arzt. München.
Samml. Frauenh.	3105. Sammlung von Abhandlungen aus dem Gebiete der Frauenheilkunde und Geburtshilfe. Halle.
Samson Laborat. Chats	3106. Samson's laboratory chats. Philadelphia.
Sanat. Leaflet, Chenango Bridge	3107. Sanatorium (The) leaflet. Chenango Bridge.
Sanatorio, Habana	3108. Sanatorio. La Habana.
Sanat. Outlook (Arkansas)	3109. Sanatorium outlook (Arkansas Tuberculosis Sanatorium) State Sanatorium, Ark.
San. Ber. Deut. Marine	3110. Sanitätsbericht über die Deutsche Kriegsmarine. Berlin. Title varies: Sanitätsbericht über die Deutsche Reichsmarine; Sanitätsbericht über die Kaiserlich-Deutsche Marine.
San. Engin. Rep. (NRC) Wash.	3111. Sanitary engineering report (Division of Medical Sciences; National Research Council) Washington.
Sangre, Santiago (Chile)	3112. Sangre. Santiago de Chile.
Sangue, Milano	3113. Sangue (Il) Milano.
Sangyo igaku	3114. Sangyō igaku. Tokyo.
Sanitätswarte	3115. Sanitätswarte. Stuttgart.
Sanitation, Tokyo	3116. Sanitation. Tokyo.
Sanitation News Lett.	3117. Sanitation news letter. Louisville.
Sanka & huzinka	3118. Sanka to huzinka. Tokyo.
Sanka huzinka kiyo	3119. Sanka huzinka kiyō. Kyoto.
San. mil., Méx.	3120. Sanidad militar. México.
San. sluzhba, Sverdlovsk	3121. Sanitarnaia sluzhba v dni Otechestvennoi voiny Sverdlovsk.
Santé univ.	3122. Santé (La) universelle. Paris.
Santo Tomas J. M., Manila	3123. Santo Tomas journal of medicine. Manila.
S. A. S., Bologna	3124. S. A. S. Bologna.

Saúde & assist., Rio	3125. Saúde e assistência. Rio de Janeiro.
Saúde escolar	3126. Saúde (A) escolar. Lisboa.
Savaşta erbaşlar	3127. Savaşta erbaşlar için Askerî sihhiye mecmuasina ek. Ankara.
S. Barnabas News, N. Y.	3128. St. Barnabas news. New York.
Sborn. chir. pohybov. ústr.	3129. Sbornik pro chirurgii pohybového ústrojí. Praha.
Sborn. instr. metod. mat. evakohosp.	3130. Sbornik instruktivno-metodicheskikh materialov po rabote evakohospitalei. Moskva.
Sborn. Irkutsk. univ.	3131. Sbornik trudov Gosudarstvennogo Irkutskogo universiteta. Irkutsk.
Sborn. nauch. rab. kaf. nerv. psikh. bol. Tadzhiksk. gosud. med. inst.	3132. Sbornik nauchnykh rabot kafedr nervnykh i psikhicheskikh boleznei Tadzhikskogo gosudarstvennogo medicinskogo instituta. Stalinabad.
Sborn. nauch. rab. lepre	3133. Sbornik nauchnykh rabot po lepre. Sverdlovsk.
Sborn. nauch. tr. Centr. inst. akush., Leningr.	3134. Sbornik nauchnykh trudov; Centralnyi institut akusherstva i ginekologii. Leningrad.
Sborn. nauch. tr. Centr. klin. boln., Moskva.	3135. Sbornik nauchnykh trudov Centralnoi klinicheskoi bolnicy. Moskva.
Sborn. předn.	3136. Sborník přednášek; Královéhradecké lékařské spisy. Třebechovice.
Sborn prikaz. instrukc. Narkomzdr.	3137. Sbornik prikazov i instrukcii Narkomzdrava SSSR. Moskva.
Sborn. rab. Leningrad. akush. gin. obshch.	3138. Sbornik rabot chlenov Leningradskogo akushersko-ginekologicheskogo obshchestva. Leningrad.
Sborn. tr. Leningrad. nauch-issledov. inst. bolezn. ukha &c.	3139. Sbornik trudov Leningradskogo nauchno-issledovatelskogo instituta po bolezniam ukha, nosa, gorla i rechi. Leningrad.
Sborn. tr. Voen. med. akad. Kirova	3140. Sbornik trudov; Voenno-medicinskaia akademia im. S. M. Kirova. Leningrad.
Scalpel, Melb.	3141. Scalpel (The) Melbourne.
Scand. J. Clin. &c. Invest., Oslo	3142. Scandinavian (The) journal of clinical and laboratory investigation. Oslo.
S. Carolina Dent. J.	3143. South Carolina dental journal. Greenville.
Sc. genet., Tor.	3144. Scientia genetica. Torino.
Schr. Arbeits &c. Med.	3145. Schriftenreihe für Arbeits- und Leistungsmedizin. Stuttgart.
Schr. Deut. Akad. Luftfahrtforsch.	3146. Schriften der Deutschen Akademie der Luftfahrtforschung. Berlin.
Schr. Reichsarb. Volksernähr.	3147. Schriftenreihe der Reichsarbeitsgemeinschaft für Volksernährung beim Reichsausschuss für Volksgesundheitsdienst. Leipzig.
Schr. Reichsaussch. Volksgesundh.	3148. Schriftenreihe des Reichsausschusses für Volksgesundheitsdienst. Berlin.
Schr. Reichsgesundhamt.	3149. Schriftenreihe des Reichsgesundheitsamtes. Leipzig.
Schr. Seuchenbekämpf.	3150. Schriftenreihe für Seuchenbekämpfung. Stuttgart.
Schr. Ver. Deut. Volksheilkde, Nürnb.	3151. Schriften[reihe]; Verein Deutsche Volksheilkunde. Nürnberg.
Schweiz. Bücherztg	3152. Schweizer Bücher-Zeitung. Zürich.
Schweiz. med. Jahrb.	3153. Schweizerisches medizinisches Jahrbuch. Zürich, &c.
Schweiz. Optiker	3154. Schweizer (Der) Optiker. Luzern.
Schweiz. Rot Kreuz Kalend.	3155. Schweizer Rot-Kreuz Kalender. Bern.
Schweiz. Zschr. Gesundhpfl.	3156. Schweizerische Zeitschrift für Gesundheitspflege. Zürich.
Schweiz. Zschr. Hyg.	3157. Schweizerische Zeitschrift für Hygiene und Archiv für Wohlfahrtspflege. Zürich.
Schweiz. Zschr. Path. Bakt.	3158. Schweizerische Zeitschrift für Pathologie und Bakteriologie. Leipzig, &c.
Schweiz. Zschr. Unfallkde	3159. Schweizerische Zeitschrift für Unfallkunde. Bern.
Schweiz. Zschr. Unfallmed.	3160. Schweizerische Zeitschrift für Unfallmedizin und Berufskrankheiten. Bern, &c.
Science in Progr., N. Haven	3161. Science in progress. New Haven, Conn.
Science of Drugs, Tokyo	3162. Science of drugs. Tokyo.
Science & san., Par.	3163. Science et santé. Paris.
Science Stud., S. Bonavent.	3164. Science studies. St. Bonaventure, N. Y.
Science Yearb., N. Y.	3165. Science year book. New York.
Sc. J. R. Coll. Sc., Lond.	3166. Scientific journal of the Royal College of Science. London.
Sc. méd. prat., Par.	3167. Science (La) médicale pratique. Paris.
Sc. Papers M. Ass. S. Africa	3168. Scientific papers; Medical Association of South Africa. Cape Town.
Sc. pharm., Wien.	3169. Scientia pharmaceutica. Wien.
Sc. Progr. Rep. Brookhaven Nat. Laborat.	3170. Scientific progress report; Brookhaven National Laboratory. Upton, N. Y.
Sc. & Techn. China	3171. Science & technology in China. Nanking.

Sculapio, Concep.
Sc. Worker, Lond.
S. Dakota J. M.

Séance Congr. Ass. fr. avance. sc.

Seára odont. brasil.
Securitas, Milano
Seibutu kagaku
Sei i kwai M. J.
Seikagaku
Seirigaku ronbun syu, Kyoto

Seiyaku tiryo
Seleç. cient., Rio

Selec. méd., Habana
Seleç. méd. Brasil
Seleç. odont., S. Paulo
Sélection, Lausanne
Select. Writings Ochsner Clin., N. Orl.

Semana san. c. zancudo, Caracas
Sem. dent., Par.
Semiann. Rep. U. S. Atom. Energy Com.
Seminar (Canada)
Seminar Papers Dep. Surg. Univ. Iowa

Sem. méd., Par.
Senzi igaku
Ser, Madr.
Serv. soc. fam., Par.
Sewage & Indust. Wastes
S'ezd ross. ter.
Sezonismo, Lisb.

Shreveport Charity Hosp. Rev.

Siam Sc. Bull.
Sicilia med.
Sigma News, Phila.

Sihhiye mecmuasi
Sikagaku zassi
Sika igaku
Sika sinpo
Sikwa geppo
Sindan & tiryo
Sinkeisitu
Sistema nerv., Genova
Sitzber. Bayer. Akad. Wiss.

Sitzber. Oesterr. otol. Ges.

S. Leo Hosp. Bull., Greensboro
Sloven. lekár
Sloven. lekárnik
S. Luke Hosp. Bull., Bethlehem
S. Luke News
Smilin Thru, Jersey City
SOCA, Montev.
Sociaal med. mschr., Haag
Social Casework
Social med. tskr.
Social Sc. Abstr.
Social Secur. Bull.
Social Welf., Toronto
Social Welf. Rep., Portland
Social Work Yearb., N. Y.
Socijal. med. pregl.
Sociol. Rev., Ledbury
Sociometry
Sogo ganka zassi

3172. Sculapio. Concepción.
3173. Scientific (The) worker. London.
3174. South (The) Dakota journal of medicine and pharmacy. Sioux Falls.
3175. Séance d'ouverture; conférences; résumés des travaux; Congrès; Association française pour l'avancement des sciences. Paris.
3176. Seára odontológica brasileira. Rio de Janeiro.
3177. Securitas. Milano.
3178. Seibutu kagaku. Tokyo.
3179. Sei i kwai medical journal. Tokyo.
3180. Seikagaku. Tokyo.
3181. Seirigaku ronbun syū; Kyōto teikoku daigaku igaku-bu seirigaku kyōsitu dai-ni kōza. Kyōto.
3182. Seiyaku tiryō. Tokyo.
3183. Seleções científicas de medicina e farmácia. Rio de Janeiro.
3184. Selecciones médicas. La Habana.
3185. Seleções médicas do Brasil. Rio de Janeiro.
3186. Seleçoes odontologicas. São Paulo.
3187. Sélection. Lausanne.
3188. Selected writings by the staff members of the Ochsner Clinic. New Orleans.
3189. Semana sanitaria contra el zancudo. Caracas.
3190. Semaine (La) dentaire. Paris.
3191. Semi-annual report; United States Atomic Energy Commission. Washington.
3192. Seminar (The) London, Canada.
3193. Seminar papers; Department of Surgery, University Hospitals, University of Iowa. Iowa City.
3194. Semaine (La) médicale. Paris.
3195. Senzi igaku. Tokyo.
3196. Ser. Madrid.
3197. Service social familial. Paris.
3198. Sewage and industrial wastes. Lancaster.
3199. S'ezd rossiiskikh terapevtov. Moskva.
3200. Sezonismo; Direcção de serviços anti-sezonáticos. Lisboa.
3201. Shreveport Charity Hospital review. Shreveport, La.
3202. Siam science bulletin. Bankgok, Siam.
3203. Sicilia medica. Palermo.
3204. Sigma news [Philadelphia College of Pharmacy and Science] Philadelphia.
3205. Sihhiye mecmuasi. Istanbul, &c.
3206. Sikagaku zassi. Tokyo.
3207. Sika igaku. Osaka.
3208. Sika sinpō. Tokyo.
3209. Sikwa geppo. Tokyo.
3210. Sindan to tiryō. Tokyo.
3211. Sinkeisitu. Tōkyō.
3212. Sistema nervoso. Genova.
3213. Sitzungsberichte der Bayerischen Akademie der Wissenschaften. München.
3214. Sitzungsberichte; Oesterreichische otologische Gesellschaft. Berlin.
3215. Saint Leo's Hospital bulletin. Greensboro.
3216. Slovenský lekár. Bratislava.
3217. Slovenský lekárnik. Bratislava.
3218. Saint Luke's Hospital bulletin. Bethlehem, Pa.
3219. St. Luke's news. Chicago.
3220. Smilin' thru. Jersey City.
3221. SOCA. Montevideo.
3222. Sociaal-medisch maandschrift. Den Haag.
3223. Social casework. New York.
3224. Social-medicinsk tidskrift. Stockholm.
3225. Social science abstracts. Menasha, Wisc.
3226. Social security bulletin. Washington.
3227. Social welfare. Toronto.
3228. Social (The) welfare reporter. Portland.
3229. Social work year book. New York.
3230. Socijalno medicinski pregled. Beograd.
3231. Sociological (The) review. Ledbury, &c.
3232. Sociometry. Beacon, N. Y.
3233. Sōgō ganka zassi. Tokyo.

Sogo igaku	3234. Sōgō igaku. Tokyo.
Sogo zyuigaku zassi	3235. Sōgō zyūigaku zassi. Tokyo.
Sol, Lima	3236. Sol (El) Lima.
Soldiers in White, Denv.	3237. Soldiers in White. Denver.
Sotilaslääk. aikak.	3238. Sotilaslääketieteellinen aikakauslehti. Helsinki.
Soubor pr. Stát. zdrav. úst.	3239. Soubor prací ze Státního zdravotního ústavu v Praze. Praha.
Southeast. Drug J.	3240. Southeastern drug journal. Atlanta.
Southwest. Drug Trade News, Dallas	3241. Southwestern drug trade news. Dallas.
Sovet. kniga	3242. Sovetskaia kniga. Moskva.
Sovet. med. ref. obozr.	3243. Sovetskoe medicinskoe referativnoe obozrenie. Moskva.
Sovet. nevropsikh.	3244. Sovetskaia nevropsikhiatria. Leningrad.
Sovet. vest. derm.	3245. Sovetskii vestnik dermatologii. Moskva.
Sovet. vrach. sborn.	3246. Sovetskii vrachebnii sbornik. Moskva.
Sovet. zdravookhr.	3247. Sovetskoe zdravookhranenie. Moskva.
Sovet. zootekhn.	3248. Sovetskaia zootekhnia. Moskva.
Sovet. zuboprotez.	3249. Sovetskoe zuboprotezirovanie. Moskva.
Spanish Cult. Index, Madr.	3250. Spanish cultural index. Madrid.
Spatula, Bost.	3251. Spatula (The) Boston.
Spec. Pub. N. York Acad. Sc.	3252. Special publications of the New York Academy of Sciences. New York.
Spec. Rep. Nat. Health & M. Res. Counc. Australia	3253. Special report; National Health and Medical Research Council; Australia. Canberra.
Spec. Ser. U. S. Mil. Intell. Serv.	3254. Special series; United States; Military Intelligence Service. Washington.
Spec. Study Ser.	3255. Special study series [Division of Public Health Methods, National Institute of Health] Washington.
Speculum, Melb.	3256. Speculum. Melbourne.
Speech Monogr.	3257. Speech monographs; research annual. Ann Arbor, Mich.
Sphincter, Liverp.	3258. Sphincter. Liverpool.
Spur, Columbus	3259. Spur (The) Columbus.
Srpski arh. celok. lek.	3260. Srpski arhiv za celokupno lekarstvo. Beograd.
Staff Bull. Easton Hosp.	3261. Staff bulletin of Easton Hospital. Easton, Pa.
Stamford Health	3262. Stamford's health. Stamford, Conn.
Stand &c. anlig. Dansk tandlaegefor.	3263. Stands- og foreningsanliggender; Dansk tandlaegeforening. København.
Star, Carville	3264. Star (The) Carville, La.
Statens off. utredn. (Sweden)	3265. Statens offentliga utredningar (Sweden) Stockholm.
Statist. årsb. Sverige	3266. Statistisk årsbok för Sverige. Stockholm.
Statist. Abstr. Iraq	3267. Statistical abstract; Government of Iraq. Baghdad.
Statist. ber. Utrecht	3268. Statistische berichten der Gemeente Utrecht. Utrecht.
Statist. Bull. Czechoslovakia	3269. Statistical bulletin of Czechoslovakia. Prag.
Statist. méd. Armée (France)	3270. Statistique médicale de l'Armée (France) Paris.
Statist. meddel., Oslo	3271. Statistiske meddelelser. Oslo.
Statist. meded. Amsterdam	3272. Statistische mededeelingen van het Bureau van statistiek der gemeente Amsterdam. Amsterdam.
Statist. Mhefte Württemberg-Baden	3273. Statistische Monatshefte Württemberg-Baden. Stuttgart.
Statist. Nachr., Wien	3274. Statistische Nachrichten. Wien.
Statist. zpravod.	3275. Statistický zpravodaj. Praha.
Statuts Ass. méd. fr.	3276. Statuts et règlement; Association des médecins de langue française. Montpellier.
Staub	3277. Staub. Halle a. S.
Stethoscoop, Paramaribo	3278. Stethoscoop (De) Paramaribo.
Stoma, Konstanz	3279. Stoma. Konstanz.
Stomatologia, Roma	3280. Stomatologia. Roma.
Stomat. věst.	3281. Stomatologický věstník. Brno.
Stud. Aviat. M., Rochester	3282. Studies in aviation medicine. Rochester, Minn.
Stud. clin. sociali tisiol.	3283. Studi clinici e sociali di tisiologia. Milano.
Stud. Fac. med. senese	3284. Studi Facoltà medica senese. Siena.
Studia ghisleriana	3285. Studia ghisleriana. Milano.
Studienführer	3286. Studienführer. Heidelberg.
Stud. Inst. M. Chem. Univ. Szeged	3287. Studies from the Institute of Medical Chemistry, University of Szeged. Basel.
Studium gen., Heidelb.	3288. Studium generale. Heidelberg.
Stud. Lasker Found. M. Res.	3289. Studies from the Lasker Foundation for Medical Research. Chicago.
Stud. med. chir. sport, Roma	3290. Studi di medicina e chirurgia dello sport. Roma.
Stud. ricer. psicol., Fir.	3291. Studi e ricerche di psicologia [Istituto di psicologia della Università degli studi di Firenze] Firenze.

Stud. School M. Univ. Maryland	3292. Studies from the School of Medicine, University of Maryland. Baltimore.
Stud. tuberc. pneum. pragens.	3293. Studia tuberculosea et pneumologa Pragensia. Praha.
Stud. tuberc. pragens.	3294. Studia tuberculosea Pragensia. Praha.
Subsid. med., Wien	3295. Subsidia medica. Wien.
Sud est méd., S. Vallier	3296. Sud-est médical. St. Vallier.
Süddeut. Apoth. Ztg	3297. Süddeutsche Apotheker-Zeitung. Stuttgart.
Süddeut. Drogist. Ztg	3298. Süddeutsche Drogisten-Zeitung. München.
Süddeut. Optik. Ztg	3299. Süddeutsche Optikerzeitung. Stuttgart.
Südwestdeut. Aerztebl.	3300. Südwestdeutsches Aerzteblatt, bisher Württembergisches Aerzteblatt. Stuttgart.
Sugestiones, Méx.	3301. Sugestiones. México.
Sumario Congr. internac. lepra	3302. Sumario de trabajos; Congreso internacional de la lepra. La Habana.
Summaries Doct. Diss. George Washington Univ.	3303. Summaries of doctoral dissertations; George Washington University. Washington.
Summary Activ. Carter Laborat., Savannah	3304. Summary of activities; malaria control in war areas; Carter Memorial Laboratory; U. S. Public Health Service. Savannah, Ga.
Summary Shute Inst. Clin. M.	3305. Summary (The) from the Shute Institute for Clinical and Laboratory Medicine. London, Canada.
Summary Techn. Develop. Div. U. S. P. H. S., Savannah	3306. Summary of activities; Technical Development Division; Communicable Disease Center [U. S.] Public Health Service. Savannah, Ga.
Summat. Nonmil. Activ. Japan	3307. Summation of non-military activities in Japan [and Korea] [n. p.]
Summat. of Act. U. S. Army Mil. Gov. Ryukyu Islands	3308. Summation of activities; United States Army Military Government in the Ryukyu Islands. [n. p.]
Suom. apteek. aikak.	3309. Suomen apteekkariyhdistyksen aikakauslehti. Helsinki.
Suom. hammaslääk. julk.	3310. Suomen hammaslääkäriliiton julkaisuja. Helsinki.
Suom. hammaslääk. toim.	3311. Suomen hammaslääkäriseuran toimituksia. Helsinki.
Supl. Inst. nac. bact., La Paz	3312. Suplemento del Instituto nacional de bacteriología. La Paz.
Suppl. Bull. Bergen Co. M. Soc.	3313. Supplement to the Bulletin of the Bergen County Medical Society. Hackensack.
Suppl. Paris méd.	3314. Supplement du Paris médical. Paris.
Surgeon Circ. M. Sect. Far East Command	3315. Surgeon's circular letter; Medical Section, Far East Command, United States Army. [n. p.]
Survey Biol. Progr.	3316. Survey of biological progress. New York.
Sven. sjukkasse kal.	3317. Svensk sjukkasse kalender. Stockholm.
Sven. sjukkasse tidn.	3318. Svensk sjukkasse-tidning. Stockholm.
Sven. tandläk. tskr.	3319. Svensk tandläkare-tidskrift. Stockholm.
Syakai igaku zassi	3320. Syakai igaku zassi. [Tōkyō?]
Sydney Univ. M. J.	3321. Sydney University medical journal. Sydney.
Sygehus bl., Kbh.	3322. Sygehus-bladet. København.
Sygekasse tid., Kbh.	3323. Sygekasse tidende. København.
Sygeplejen, Kbh.	3324. Sygeplejen. København.
Sympos. Med. Leg. Probl., Phila.	3325. Symposium on medicolegal problems. Philadelphia.
Sympos. Mil. Physiol., Wash.	3326. Symposium on military physiology. Washington.
Sympos. Soc. Exp. Biol., Cambr.	3327. Symposia; Society for Experimental Biology. Cambridge, Engl.
Synth. séméi. thér.	3328. Synthèse de séméiologie et thérapeutique. Paris.
Syowa igakkai zassi	3329. Syōwa igakkai zassi. Tokyo.
Syuzyutu	3330. Syuzyutu. Tokyo.
Szemészet	3331. Szemészet. Budapest.
Szpital. polsk.	3332. Szpitalnictwo polskie. Warszawa.

T

Tagungsber. Oesterr. Aerztet.	3333. Tagungsbericht; Oesterreichische Aerztetagung. Wien.
Taisei	3334. Taisei. Tokyo.
Talk, N. Y.	3335. Talk. New York.
Tandlaegebladet	3336. Tandlaegebladet. København.
Tandplejen, Kbh.	3337. Tandplejen. København.
Taschenjahrb. Ther.	3338. Taschenjahrbuch der Therapie. Leipzig.
Techn. Assistentin	3339. Technische (Die) Assistentin. Berlin.
Techn. Data Digest, Dayton	3340. Technical data digest. Dayton.
Techn. Hyg., Solothurn	3341. Technische Hygiene. Solothurn.

Techn. Inform. Pilot	3342. Technical information pilot. Washington.
Techn. Mem. Off. Theater Surg. U. S. Army Forces Far East	3343. Technical memorandum; Office of the Theater Surgeon; United States Army Forces in the Far East. [n. p.]
Techn. Paper Div. Factory Inspect. Illinois	3344. Technical paper; Division of Factory Inspection; Department of Labor; Illinois. Chicago.
Techn. Rep. Interamer. Conf. Social Secur.	3345. Technical reports; Inter-American conference on social security. Montreal.
Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.	3346. Technical reports; Special Devices Center. U. S. Office of Naval Research. Port Washington, N. Y.
Teikoku sinkyu iho	3347. Teikoku sinkyū ihō. Kami-yamado-mura, Nagano-ken.
Temas lepr., B. Air.	3348. Temas de leprología. Buenos Aires.
Temas tisiol., Córdoba	3349. Temas de tisiología. Córdoba.
Tempérance, Par.	3350. Tempérance (La) Paris.
Tenaculum, Los Ang.	3351. Tenaculum (The) Los Angeles.
Terapi, Kbh.	3352. Terapi. København.
Teriaca, Genova	3353. Teriaca (La) Genova.
Ter. med. tumori	3354. Terapia medica dei tumori. Roma.
Terv. & sairaanh. Kaupun. tilast. Helsinki	3355. Terveyden- ja sairaanhoito; Kaupungin tilastotoimiston, Helsinki. Helsinki.
Texas Cancer Bull.	3356. Texas cancer bulletin. Houston.
Texas Druggist	3357. Texas (The) druggist. Austin, &c.
Texas Health Bull.	3358. Texas health bulletin. Austin.
Texas Trends	3359. Texas trends. Fort Worth.
Texte d. rapp. Assemb. gén. Union internat. péril vénér.	3360. Texte des rapports et compte rendu des débats; Assemblée générale; Union internationale contre le péril vénérien. Paris.
Thai Sc. Bull.	3361. Thai science bulletin. Bangkok.
Therapeia, Nutley	3362. Therapeia. Nutley.
Therapia, Tel Aviv	3363. Therapia. Tel Aviv.
Therapy, Tokyo	3364. Therapy. Tōkyō.
Ther. Ber., Leverkusen	3365. Therapeutische Berichte. Leverkusen a. Rh.
Ther. medd., Leverkusen	3366. Therapeutiske meddelelser. Leverkusen.
Ther. meded., Leverkusen	3367. Therapeutische mededeelingen. Leverkusen a. Rh.
Thermotrol Techn., N. Y.	3368. Thermotrol (The) technician. New York.
Ther. Umschau, Bern	3369. Therapeutische Umschau und medizinische Bibliographie [Also earlier series: Therapeutische Umschau; Vierteljahresbeilage zur Schweizerischen Aerztezeitung] Bern.
Tiba igakkai zassi	3370. Tiba igakkai zassi. Tiba.
Tierärztl. Umsch.	3371. Tierärztliche Umschau. Konstanz.
Tip Fakült. mecmuasi	3372. Tip Fakültesi mecmuasi. Istanbul.
Tiryo	3373. Tiryō. Tokyo.
Tiryo igaku	3374. Tiryō igaku. Tokyo.
Tiryo & syoho	3375. Tiryō oyobi syohō. Tokyo.
Tohoku igakkai kaiho	3376. Tōhoku igakkai kaihō. Sendai.
Tohoku igaku zassi	3377. Tōhoku igaku zassi. Sendai.
Tokelau Islands Rep. Admin.	3378. Tokelau Islands [report on the administration] Wellington.
Tokogin. práct., Madr.	3379. Toko-ginecología práctica. Madrid.
Tokyo ika daigaku zassi	3380. Tokyo ika-daigaku zassi. Tokyo.
Tokyo izi sinsi	3381. Tokyo izi sinsi. Tokyo.
Tokyo M. J.	3382. Tokyo (The) medical journal. Tokyo.
Tokyo teikoku daigaku igaku-bu byorigaku kyositu gyoseki syu	3383. Tōkyō teikoku daigaku igaku-bu byōrigaku kyōsitu gyōseki syū. Tōkyō.
Tokyo tyui kaiho	3384. Tōkyō tyūi kaihō. Tōkyō.
Tokyo Zschr. Psychoanal.	3385. Tokyo Zeitschrift für Psychoanalyse. Tokyo.
Topiwala Nat. M. Coll. Mag.	3386. Topiwala National Medical College magazine. Bombay.
Torreón méd.	3387. Torreón médico. Torreón, Mex.
Toyo gakugei zassi	3388. Tōyō gakugei zassi. Tōkyō.
Tozai igaku	3389. Tōzai igaku. Tokyō.
Tracerlog, Bost.	3390. Tracerlog. Boston.
Tr. Akad. med. nauk SSSR, Moskva	3391. Trudy ... Akademii medicinskikh nauk SSSR. Moskva.
Tr. Akush. gin. obshch. Moskov. univ.	3392. Trudy; Akushersko-ginekologicheskoe obshchestvo; Moskovskii gosudarstvennyi universitet. Moskva.
Tr. Alumnae Ass. Woman's M. Coll. Pennsylvania	3393. Transactions of the Alumnae Association of the Woman's Medical College of Pennsylvania. Philadelphia.
Tr. Am. Antituberc. League	3394. Transactions of the American Anti-Tuberculosis League. Atlantic City, N. J.
Tr. Am. Ass. Study Infant Mort.	3395. Transactions; American Association for Study and Prevention of Infant Mortality. Baltimore.

Tr. Am. Goiter Ass.	3396. Transactions of the American Goiter Association. Springfield, Ill.
Tr. Am. Soc. San. Moral Prophyl.	3397. Transactions of the American Society of Sanitary and Moral Prophylaxis. New York.
Tr. Am. Soc. Sterility	3398. Transactions of the American Society for the Study of Sterility. Portland, Oreg., &c.
Tr. anat. cir. exp., Pôrto	3399. Trabalhos de anatomia e cirugia experimental. Pôrto.
Tr. Astrakhan. gosud. med. inst.	3400. Trudy Astrakhanskogo gosudarstvennogo medicinskogo instituta im. A. V. Lunacharskogo. Astrakhan.
Tr. Austral. Dent. Congr.	3401. Transactions of the Australian dental congress. Melbourne.
Travail humain	3402. Travail (La) humain. Paris.
Tr. Biol. nauch. inst., Perm	3403. Trudy Biologicheskogo nauchno-issledovatelskogo instituta i Biologicheskoi stancii. Perm.
Tr. California Odont. Soc.	3404. Transactions; California Odontological Society. San Francisco.
Tr. Canad. Ophth. Soc.	3405. Transactions of the Canadian Ophthalmological Society. Toronto.
Tr. Cáted. semiol., B. Air.	3406. Trabajos de la Cátedra de semiología. Buenos Aires.
Tr. Centro invest. cient., Caracas	3407. Trabajos del Centro de investigaciones científicas de la Fundación Biogen. Caracas.
Tr. Clín. enferm. infec. Hosp. Muñiz, B. Air.	3408. Trabajos y publicaciones de la Sala IX; Clínica de enfermedades infecciosas del Hospital Francisco J. Muñiz. Buenos Aires.
Tr. Clin. psychiat. Clairvivre	3409. Travaux de la Clinique psychiatrique de l'Hôpital des réfugiés de Clairvivre. Clairvivre.
Tr. Conf. Biol. Antioxid.	3410. Transactions of the Conference on biological antioxidants. New York.
Tr. Conf. Blood Clotting, N. Y.	3411. Transactions; Conference on blood clotting and allied problems. New York.
Tr. Conf. cubana lepr.	3412. Transacciones de la Conferencia cubana de leprología. Santa Clara.
Tr. Conf. Factors Regul. Blood Pressure	3413. Transactions; Conference on factors regulating blood pressure. New York.
Tr. Conf. Liver Injury	3414. Transactions; Conference on liver injury. New York.
Tr. Conf. Metab. Aspects Convalesc.	3415. Transactions of the ... meeting; Conference on metabolic aspects of convalescence. New York.
Tr. Conf. Metab. Interrelat.	3416. Transactions; Conference on Metabolic Interrelations. New York.
Tr. Conf. Probl. Early Inf.	3417. Transactions; Conference on problems of early infancy. New York.
Tr. Conf. Probl. Infancy	3418. Transactions of the Conference on problems of infancy and childhood. New York.
Tr. Conf. Training Clin. Psychol.	3419. Transactions; Conference on training in clinical psychology. New York.
Tr. Congr. brasil. hig.	3420. [Trabalhos] Congresso brasileiro de higiene. Rio de Janeiro.
Tr. Congr. brasil. ophth.	3421. Trabalhos; Congresso brasileiro de ophthalmologia. São Paulo.
Tr. Congr. internac. amer. med. hig.	3422. Trabajos presentados; Congreso internacional americano de medicina e higiene. Buenos Aires.
Tr. Curso sudamer. transfus. hemat.	3423. [Trabajos] Curso sudamericano de transfusión y hematología. Santiago de Chile.
Tr. Dalnev. kraev. san. bakt. inst., Khabarovsk	3424. Trudy Dalnevostochnogo kraevogo sanitarno-bakteriologicheskogo instituta. Khabarovsk.
Tr. Dentist, Tokyo	3425. Transactions of the dentist. Tokyo.
Tr. Dispens. antituberc. Tenerife	3426. Trabajos del Dispensario antituberculoso central del estado de Santa Cruz de Tenerife. Santa Cruz.
Treatm. Serv. Bull., Ottawa	3427. Treatment services bulletin. Ottawa.
Tr. Elect. M. Soc. California	3428. Transactions of the Eclectic Medical Society of the State of California. Oakland.
Tr. Eclect. M. Soc. N. York	3429. Transactions; Eclectic Medical Society of the State of New York. Albany, &c.
Tr. électrothér. gyn., Par.	3430. Travaux d'électrothérapie gynécologique. Paris.
Trends Endocr.	3431. Trends in endocrinology. Nutley, N. J.
Trephine, Brisbane	3432. Trephine. Brisbane.
Tr. Evakohosp., Leningr.	3433. Trudy Evakohospitalei sistemy frontovogo Evakuacionnogo punkta No. 50 i Lechebnykh uchrezhdenii armii [var.: Trudy Evakohospitalei Leningrada sistemy frontovogo Evakuacionnogo punkta No. 50] Leningrad.
Tr. Fiz. med. obshch., Moskva	3434. Trudy Fiziko-medicinskogo obshchestva. Moskva.

Tr. Hampstead M. Soc.	3435. Transactions of the Hampstead Medical Society. London.
Tr. Hosp. Rey, Madr.	3436. Trabajos del Hospital del Rey. Madrid.
Tribuna méd. (Chile)	3437. Tribuna (La) médica. Santiago de Chile.
Tribuna univ., Asunción	3438. Tribuna universitaria. Asunción.
Tr. Illinois Acad. Sc.	3439. Transactions; Illinois State Academy of Science. Springfield.
Tr. Indust. Hyg. Found., Pittsb.	3440. Transactions; Industrial Hygiene Foundation of America. Pittsburgh.
Tr. Inst. bot. farm., B. Air.	3441. Trabajos del Instituto de botánica y farmacología. Buenos Aires.
Tr. Inst. Cajal	3442. Trabajos del Instituto Cajal de investigaciones biológicas. Madrid.
Tr. Inst. cienc. méd., Madr.	3443. Trabajos del Instituto nacional de ciencias médicas. Madrid.
Tr. Inst. citol., Moskva	3444. Trudy Instituta citologii, histologii i embriologii. Moskva.
Tr. Inst. fiziol., Moskva	3445. Trudy Instituta fiziologii. Moskva.
Tr. Inst. genet., Moskva	3446. Trudy Instituta genetiki. Moskva.
Tr. Inst. histol., Lisb.	3447. Trabalhos do Instituto de histologia e embriologia. Lisboa.
Tr. Inst. nac. cienc. méd., Madr.	3448. Trabajos del Instituto nacional de ciencias médicas. Madrid.
Tr. Inst. neirokhir. Burdenko, Moskva	3449. Trudy Instituta neirokhirurgii imeni akademika N. N. Burdenko. Moskva.
Tr. Inst. pat. Univ. Lisboa	3450. Trabalhos do Instituto de patologia geral e de anatomia patologica da Universidade de Lisboa. Lisboa.
Tr. Inst. pharm. Gilkinet, Liége	3451. Travaux publiés; Institut de pharmacie A. Gilkinet. Liége.
Tr. Inst. sérol., Bucur.	3452. Travaux de l'Institut de sérologie. Bucuresti.
Tr. Inst. tuberk., Moskva	3453. Trudy instituta; Institut tuberkuleza. Moskva.
Tr. Internat. Soc. M. Health Off.	3454. Transactions of the International Society of Medical Health Officers. Kansas City, Mo.
Tr. Jornadas argent. cirug. torác.	3455. [Trabajos]; Jornadas argentinas de cirugía torácica. Buenos Aires.
Tr. Jornadas chilen. hig. &c. trabajo	3456. [Trabajos]; Jornadas chilenas de higiene, seguridad y medicina del trabajo. Santiago.
Tr. Kharkov. gosud. vener. inst.	3457. Trudy; Kharkovskii gosudarstvennyi venerologicheskii institut. Moskva.
Tr. Konf. izuch. med. san. posled. voiny	3458. Trudy; Konferencia po izucheniiu mediko-sanitarnykh posledstvii voiny. Moskva.
Tr. Konf. otolar. RSFSR	3459. Trudy ... Konferencii otolaryngologov RSFSR. Moskva.
Tr. Laborat. biol. gén. Coll. France	3460. Travaux du Laboratoire [de biologie générale] Collège de France. Paris.
Tr. Laborat. bioquím., Zaragoza	3461. Trabajos del Laboratorio de bioquímica y química aplicada. Zaragoza.
Tr. Laborat. invest. biol. Univ. Madrid	3462. Trabajos del Laboratorio de investigaciones biológicas de la Universidad de Madrid. Madrid.
Tr. Laborat. psychol. exp., Kraków	3463. Travaux du Laboratoire de psychologie expérimentale de l'Université de Cracovie. Kraków.
Tr. Laborat. rech. biol. Univ. Madrid	3464. Travaux du Laboratoire de recherches biologiques de l'Université de Madrid. Madrid.
Tr. Leningr. fil. Vsesoiuz. inst. eksp. med.	3465. Trudy Leningradskogo filiala Vsesoiuznogo instituta eksperimentalnoi mediciny. Leningrad.
Tr. Leningr. gosud. pediat. med. inst.	3466. Trudy Leningradskogo gosudarstvennogo pediatricheskogo medicinskogo instituta. Leningrad.
Tr. Leningr. inst. epidem. mikrob. Pastera	3467. Trudy; Leningradskii institut epidemiologii i mikrobiologii im. Pastera. Leningrad.
Tr. Leningr. inst. vakcin	3468. Trudy; Leningradskii institut vakcin i syvorotok. Leningrad.
Tr. London Derm. Soc.	3469. Transactions and ... annual report of the London Dermatological Society. London.
Tr. Louisiana M. Soc.	3470. Transactions of the Louisiana State Medical Society. New Orleans.
Tr. M. Coll. Reun., Calc.	3471. Transactions of the Medical College Re-union. Calcutta.
Tr. Med. sekc. Obshch. opyt. nauk, Kharkov	3472. Trudy Medicinskoi sekci Obshchestva opytnykh nauk. Kharkov.
Tr. Mikrob. nauch. issl. inst., Moskva	3473. Trudy; Mikrobiologicheskii nauchno-issledovatel'skii institut narodnogo komissariata po prosveshcheniiu. Moskva.
Tr. Molotov. med. inst.	3474. Trudy; Molotovskii gosudarstvennyi medicinskii institut. Molotov.

Tr. Moskov. Ord. Lenin. med. inst.	3475. Trudy Pervogo Moskovskogo ordena Lenina medicinskogo instituta. Moskva.
Tr. Moskov. psikhiat. boln.	3476. Trudy; Pervaia Moskovskaia psikhiatricheskaia bolnica. Moskva.
Tr. M. Soc. Delaware	3477. Transactions of the annual meeting of the Medical Society of Delaware. Philadelphia.
Tr. Nauch. inst. fiziol., Moskva	3478. Trudy instituta fiziologii; Nauchnoissledovatelskii institut fiziologii. Moskva.
Tr. N. Carolina Health Off. Ass.	3479. Transactions of the North Carolina Health Officers' Association. [v. p.]
Tr. N. Carolina Pub. Health Ass.	3480. Transactions of the North Carolina Public Health Association. [v. p.]
Tr. N. England Hosp. Ass.	3481. Transactions of the New England Hospital Association. Boston.
Tr. N. Hampshire Ass. Bds Health	3482. Transactions of the New Hampshire Association of Boards of Health. Concord.
Tr. North. Surg. Ass., Kbh.	3483. Official transactions; Northern Surgical Association. København.
Tr. Obshchegorod. konf. med. sester boln. Leningr.	3484. Trudy; Obshchegorodskaia konferenciia medicinskikh sester bolnic i institutov Leningrada. Leningrad.
Tr. Obshch. pat. S. Peterburg	3485. Trudy Obshchestva patologov v S. Peterburge. S. Peterburg.
Tr. Odessk. derzh. univ.	3486. Trudi Odesskogo derzhavnogo universitetu. Odessa.
Tr. Omsk. vet. inst.	3487. Trudy Omskogo veterinarnogo instituta. Omsk.
Tropenhyg. Schr.	3488. Tropenhygienische Schriftenreihe. Stuttgart.
Tr. Ophth. Soc. N. Zealand	3489. Transactions; Ophthalmological Society of New Zealand. Wellington.
Tr. Pacific Coast Obst. Gyn. Soc.	3490. Transactions; Pacific Coast Obstetrical and Gynecological Society. Portland.
Tr. Perm. med. inst.	3491. Trudy Permskogo medicinskogo instituta. Perm.
Tr. Plen. Gosp. sov. Narkomzdr. SSSR	3492. Trudy ... Plenuma Gospitalnogo soveta Narkomzdrava SSSR. Moskva.
Tr. R. Canad. Inst.	3493. Transactions of the Royal Canadian Institute. Toronto.
Tr. Sanat. nac. Fontilles	3494. Trabajos del Sanatorio [leprosería] nacional de Fontilles. Alicante.
Tr. Secc. parasit. Congr. méd. panamer.	3495. Trabajos; Sección de parasitología, Congreso médico panamericano. [v. p.]
Tr. Serv. nac. tuberc. (Brazil)	3496. Trabalhos do Serviço nacional de tuberculose (Brazil) Rio de Janeiro.
Tr. Severo-oset. gosud. med. inst., Dzaudzhikau	3497. Trudy Severo-osetinskogo gosudarstvennogo medicinskogo instituta. Dzaudzhikau, A. S. S. R.
Tr. S'ezda ross. ter.	3498. Trudy ... S'ezda rossiiskikh terapevtov. Moskva, &c.
Tr. S'ezda ter. SSSR	3499. Trudy ... S'ezda terapevtov SSSR. Moskva.
Tr. S. John Hosp. Derm. Soc., Lond.	3500. Transactions and annual report; S. John's Hospital Dermatological Society. London.
Tr. Soc. hist. pharm., Par.	3501. Séances et travaux; Société d'histoire de la pharmacie. Paris.
Tr. Soc. nac. cirug., Habana	3502. Trabajos y memorias; Sociedad nacional de cirugía. La Habana.
Tr. Soc. Obst. Gyn. Canada	3503. Transactions of the Society of Obstetricians and Gynaecologists of Canada. St. Louis, Mo.
Tr. South Centr. Sect. Am. Urol. Ass.	3504. Transactions of the South Central Section of the American Urological Association. Excelsior Springs, Mo., &c.
Tr. Southeast. Br. Am. Urol. Ass.	3505. Transactions of the Southeastern Branch of the American Urological Association. Baltimore.
Tr. Southwest. Br. Am. Urol. Ass.	3506. Transactions of the Southwestern Branch of the American Urological Association. Baltimore.
Tr. Sovet. bol'n. Iran.	3507. Trudy Sovetskoi bol'nicy v Irane. Teheran.
Tr. Surg. Gyn. Ass. Am. Inst. Homoeop.	3508. Transactions; Surgical and Gynecological Association, American Institute of Homoeopathy. Philadelphia.
Tr. Texas Acad. Sc.	3509. Transactions of the Texas Academy of Science. Austin, &c.
Tr. Turkmensk. kozhno-vener. inst.	3510. Trudy Turkmenskogo kozhno-venerologicheskogo instituta. Ashkhabad.
Trudeau Rev. M. Res., Cairo	3511. Trudeau (The) review for medical researches. Cairo.
Tr. Ukrain. gosud. inst. pat. hig. truda	3512. Trudy i materialy Ukrainskogo gosudarstvennogo instituta patologii i higieny truda. Kharkov.
Tr. Ukrain. gosud. inst. raboch. med.	3513. Trudy i materialy Ukrainskogo gosudarstvennogo instituta rabochei mediciny. Kharkov.
Trustee, Chic.	3514. Trustee. Chicago.

Tr. Voen. med. akad. S. M. Kirova	3515. Trudy Voenno-medicinskoi akademii im. S. M. Kirova. (Leningrad) Moskva.
Tr. Vost. Sibirsk. gosud. univ., Irkutsk	3516. Trudy Vostochno-Sibirskogo gosudarstvennogo universiteta. Irkutsk.
Tr. Vsesoiuz. inst. eksp. vet., Moskva	3517. Trudy instituta; Vsesoiuznyi institut eksperimentalnoi veterinarii. Moskva.
Tr. Vsesoiuz. s'ezda khir.	3518. Trudy Vsesoiuznogo s'ezda khirurgov. Moskva.
Tr. Vsesoiuz. soveshch. ultramikr. filtr. virus	3519. Trudy Vsesoiuznogo soveshchania po izucheniiu ultramikrobov i filtruiushchikhsia virusov. Moskva.
Tr. Wyoming Pharm. Ass.	3520. Transactions of the Wyoming Pharmaceutical Association. Denver, &c.
Tschr. kinderverzorg.	3521. Tijdschrift voor kinderverzorging. Haarlem, &c.
Tschr. ongevallengeneesk.	3522. Tijdschrift voor ongevallengeneeskunde. Amsterdam.
Tschr. sociale geneesk.	3523. Tijdschrift voor sociale geneeskunde. Amsterdam.
Tschr. zielkde	3524. Tijdschrift voor zielkunde en opvoedingsleer. Tilburg.
Tsetse Res. Rep., Dar es Salaam.	3525. Tsetse research report. Dar es Salaam.
Tskr. Alm. dans. massageforen.	3526. Tidsskrift for den Almindelige danske massageforening. København.
Tskr. danske sygehuse	3527. Tidsskrift for danske sygehuse. København.
Tskr. Norges apotek. foren.	3528. Tidsskrift; Norges apotekerforening. Oslo.
Tskr. sukkers.	3529. Tidsskrift for sukkersyge. Odense.
Tskr. sygeplege	3530. Tidsskrift for sygepleje. København.
Tuberc. Rep. (NRC) Wash.	3531. Tuberculosis report (Division of Medical Sciences; National Research Council) Washington.
Tuberculosis, Lpz.	3532. Tuberculosis; International Antituberculosis Association. Leipzig.
Tuberculosis, Tokyo	3533. Tuberculosis. Tokyo.
Tuberkulosearzt	3534. Tuberkulosearzt (Der) Stuttgart.
Tuberkuloza, Beogr.	3535. Tuberkuloza. Beograd.
Tuberk. v gorode	3536. Tuberkulez v gorode i na sele. Kharkov.
Türk ijiyen & tecr. biyol. dergisi	3537. Türk ijiyen ve tecrübi biyoloji dergisi. Ankara.
Türk tıp cemiy. mecmuası	3538. Türk tıp cemiyeti mecmuası. Istanbul.
Turtox News	3539. Turtox news. Chicago.
Tyosen igakkai zassi	3540. Tyōsen igakkai zassi. Tyōsen.
Tyugai izi sinpo	3541. Tyūgai izi sinpō. Tōkyō.

U

Uchen. zapiski Inst. fiz. kult., Moskva	3542. Uchenye zapiski; Gosudarstvennyi centralnyi ordena Lenina institut fizicheskoi kultury imeni I. V. Stalina. Moskva.
Uchen. zapiski Leningr. gosud. univ.	3543. Uchenye zapiski; Leningradskii gosudarstvennyi universitet im. A. S. Bubnova. Leningrad.
Uchen. zapiski Moskov. gosud. univ.	3544. Uchenye zapiski; Moskovskii gosudarstvennyi universitet. Moskva.
Uchen. zapiski Ukrain. centr. inst. hig. truda	3545. Uchenye zapiski; Ukrainskii central'nyi institut higieny truda i profcssional'nykh zabolevanii. Kharkov.
Ukrain. biokhem. J.	3546. Ukrainsky biokhemichny jurnal. Kiev.
Umanità	3547. Umanità. Bologna.
UMFIA, Par.	3548. UMFIA. Paris.
Unidad san., Caracas	3549. Unidad sanitaria. Caracas.
United Front Bull., Chic.	3550. United Front bulletin. Chicago.
United Nat. Bull.	3551. United Nations bulletin. New York.
Univ. Leeds M. Soc. Mag.	3552. University of Leeds Medical Society Magazine. Leeds.
Univ. Med. (Texas)	3553. University (The) medical (Texas) Galveston.
Univ. Michigan M. Bull.	3554. University of Michigan medical bulletin. Ann Arbor.
Univ. South. California M. Bull.	3555. University of Southern California medical bullctin. Los Angcles.
Univ. Wisconsin Stud. Sc.	3556. University of Wisconsin studies in science. Madison.
Urol. & mal. vénér.	3557. Urologie (L') et les maladies vénériennes. Paris.
Urolog, Erie	3558. Urolog (The) Erie, Pa.
Urologia, Venez.	3559. Urologia. Venezia, &c.
U. S. Armed Forces M. J.	3560. United States Armed Forces medical journal. Washington.
U. S. Jap. J. M. Sc., Tokyo	3561. U. S.-Japan journal of medical science. Tokyo.
Utah Health Bull.	3562. Utah health bulletin. Salt Lake City.
Utah Pharm. Bull.	3563. Utah (The) pharmaceutical bulletin. Salt Lake City.

Vaccine News, Detr.
Vakbl. biol.
V. D. Educ. Circ., Wash.
V. D. Fact Sheet, Wash.
Věda a život
Veearts. meded., Batavia

Vegetar. bode, Amst.
Vegetar. News, Lond.
Vener. Dis. Rep. (OSRD) Wash.

Venezuela farm.
Verhber. Internat. Kongr. gerichtl. soziale Med.
Verh. Deut. Ges. orthop. Chir.

Verh. Jap. hämat. Ges.

Verh. Kongr. Sex. Reform
Verh. Naturforsch. Ges. Basel

Verh. Ned. akad. wet.

Verh. Schweiz. med. biol. Ges.

Verh. Verein. Schweiz. Physiol.

Verh. Vlaam. acad. geneesk. Belgie

Veröff. Chir. Sonderlazar., Brux.

Veröff. Krankengesch. Garnisonlazar.

Veröff. Oesterr. Zentr. Kom. Bekämpf. Tuberk.
Veröff. Schweiz. Ges. Gesch. Med.

Veröff. Zentr. Baln.

Vers la santé
Versl. Gemeent. gezondh. Amsterdam

Veska Zschr., Luzern
Vest. Akad. nauk SSSR
Vest. Cesk. spol. nauk
Věst. Cesk. zool. společ.

Vet. arh., Zagreb
Vet. Bull. Lederle
Veterinaria, Moskva
Veterinaria, Zaragoza
Vida plena, Montev.
Vie & bonté
Vie saine, Par.
Vigor, Pretoria
Virginia Pharm.
Vision, Lond.
Visti Akad. nauk URSR
Vitaminas, Rio
Vitamine, Basel
Vitaminologia, Tor.
Vitamins & Hormones, N. Y.
Vjschr. Fürs. Suchtkr.

Vjschr. Naturforsch. Ges. Zürich

Voce san. Tuscia
Voed. & hyg., Amst.
Voeding

3564. Vaccine news. Detroit.
3565. Vakblad voor biologen. Den Helder.
3566. V. D. education. Circular. Washington.
3567. V. D. fact sheet. Washington.
3568. Věda a život. Praha.
3569. Veeartsenijkundige mededeelingen uit het Geneeskundig laboratorium te Weltevreden. Batavia.
3570. Vegetarische bode. Amsterdam.
3571. Vegetarian (The) news. London.
3572. Venereal diseases report (Committee on Medical Research; Office of Scientific Research and Development) Washington.
3573. Venezuela farmacéutica. Caracas.
3574. Verhandlungsbericht; Internationaler Kongress für gerichtliche und soziale Medizin. Bonn.
3575. Verhandlungen der Deutschen Gesellschaft für orthopädische Chirurgie. Stuttgart.
3576. Verhandlung der Japanischen hämatologischen Gesellschaft. Nagoya.
3577. Verhandlungen; Kongress für Sexualreform. Wien.
3578. Verhandlungen der Naturforschenden Gesellschaft in Basel. Basel.
3579. Verhandelingen; Nederlandsche akademie van wetenschappen. Amsterdam.
3580. Verhandlungen der Schweizerischen medizinisch-biologischen Gesellschaft. Basel.
3581. Verhandlungen des Vereins der Schweizer Physiologen. Basel.
3582. Verhandelingen; Vlaamsche academie voor geneeskunde van Belgie. Brussels.
3583. Veröffentlichungen aus dem Chirurgischen Sonderlazarett des O[ber]K[ommando des]H[eeres] Bruxelles.
3584. Veröffentlichungen über Krankengeschichten und Leichenbefunde aus den Garnisonlazarethen. Berlin.
3585. Veröffentlichungen des Oesterreichischen Zentralkomitees zur Bekämpfung der Tuberkulose. Wien.
3586. Veröffentlichungen der Schweizerischen Gesellschaft für Geschichte der Medizin und der Naturwissenschaften. Zürich, &c.
3587. Veröffentlichungen der Zentralstelle für Balneologie. Berlin.
3588. Vers la santé. Paris.
3589. Verslag van den Gemeentelijken gezondheidsdienst te Amsterdam. Amsterdam.
3590. Veska-Zeitschrift. Luzern.
3591. Vestnik; Akademiia nauk SSSR. Moskva.
3592. Věstník Královské české společnosti nauk. Praha.
3593. Věstník Ceskoslovenské zoologické společnosti v Praze. Praha.
3594. Veterinarski arhiv. Zagreb.
3595. Veterinary bulletin, Lederle. New York.
3596. Veterinaria. Moskva.
3597. Veterinaria. Zaragoza, &c.
3598. Vida plena y sana. Montevideo.
3599. Vie et bonté. Paris.
3600. Vie (La) saine. Paris.
3601. Vigor. Pretoria.
3602. Virginia (The) pharmacist. Richmond.
3603. Vision. London.
3604. Visti Akademii nauk URSR. Kiev.
3605. Vitaminas (As) Rio de Janeiro.
3606. Vitamine (Die) Basel.
3607. Vitaminologia. Torino.
3608. Vitamins and hormones. New York.
3609. Vierteljahresschrift der Fürsorge für Suchtkranke und Alkoholgefährdete. Berlin.
3610. Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich. Zürich.
3611. Voce (La) sanitaria della Tuscia. Viterbo.
3612. Voeding en hygiëne. Amsterdam, &c.
3613. Voeding. Amsterdam, &c.

Voen. med. sborn.	3614. Voenno-medicinskii sbornik. Moskva.
Voen. morsk. med. sborn.	3615. Voenno-morskoĭ meditsinskii sbornik. Moskva.
Voen. san. delo, Sofia	3616. Voenno-sanitarno delo. Sofia.
Voj. san. pregl., Beogr.	3617. Vojno-sanitetski preglad. Beograd.
Volksgesundheit, Danzig	3618. Volksgesundheit (Die) im Reichsgau Danzig-Westpreussen. Danzig.
Volksgesundheit, Freib. i. B.	3619. Volksgesundheit (Die) Freiburg im Breisgau, &c.
Volksgesundheitswacht	3620. Volksgesundheitswacht. München.
Volunteer, Wash.	3621. Volunteer (The) Washington.
Vortr. Aerztl. Fortbild. Bad Kissingen	3622. Vorträge des Aerztlichen Fortbildungskursus in Bad Kissingen. Bad Kissingen.
Votre santé, Par.	3623. Votre santé. Paris.
Vortr. Inst. Gesch. Med. Leipzig	3624. Vorträge des Instituts für Geschichte der Medizin an der Universität Leipzig. Leipzig.
Vortr. prakt. Chir.	3625. Vorträge aus der praktischen Chirurgie. Stuttgart.
Vox san., N. Orl.	3626. Vox sanitatis. New Orleans.
Voz homeop., Rio	3627. Voz (A) da homeopathia. Rio de Janeiro.
Vrach. obozr., Berl.	3628. Vrachebnoe obozrenie. Berlin.
Výživa lidu	3629. Výživa lidu. Praha.
Výzkum. prům. výživ.	3630. Výzkumnictví v průmyslu výživy. Praha.

W

Washington Pub. Health, Seattle	3631. Washington public health. Seattle.
Watts Hosp. Bull., Durham	3632. Watts Hospital bulletin. Durham, N. C.
Week. Rec. Infect. Dis. Min. Health (Gr. Britain)	3633. Weekly record of infectious diseases at ports, or other localities, at home and abroad; Ministry of Health (Great Britain) London.
Week. Rep. Div. Commun. Dis. Illinois Dep. Pub. Health	3634. Weekly report; Division of Communicable Diseases, Illinois Department of Public Health. Springfield.
Wege zur Gesundh.	3635. Wege zur Gesundheit. Mainz.
Wehrmachtfürsorge	3636. Wehrmachtfürsorge- und -Versorgungsbestimmungen. Berlin.
Weleda Nachr.	3637. Weleda Nachrichten. Arlesheim.
Welf. Times, Tokyo	3638. Welfare (The) times. Tokyo.
Wendepunkt, Zür.	3639. Wendepunkt (Der) im Leben und im Leiden. Zürich.
Werken Genoot. natuur. &c. heelk. Amsterdam	3640. Werken van het Genootschap ter bevordering der natuur- genees- en heelkunde te Amsterdam. Amsterdam.
West China M. Bull.	3641. West China medical bulletin. Chungking.
West J. Chiropody	3642. Western journal of chiropody. San Francisco.
Wet. bl., Haarlem	3643. Wetenschappelijke bladen. Haarlem.
Wiadom. ter., Warsz.	3644. Wiadomości terapeutyczne. Warszawa.
Wied. lek.	3645. Wiedza lekarska. Warszawa.
Wien. Arb. soz. Med.	3646. Wiener Arbeiten aus dem Gebiete der sozialen Medizin. Wien.
Wien. Beitr. Hals &c. Heilk.	3647. Wiener Beiträge zur Hals-, Nasen- und Ohrenheilkunde. Wien.
Wien. Beitr. Neur.	3648. Wiener Beiträge zur Neurologie und Psychiatrie. Wien.
Wien. pharm. Wschr.	3649. Wiener pharmazeutische Wochenschrift. Wien.
Wien. Vjahrsfachbl. (Ash)	3650. Wiener Vierteljahrs-Fachblatt (Ash's) Wien.
Wien. Zschr. Nervenh.	3651. Wiener Zeitschrift für Nervenheilkunde und deren Grenzgebiete. Wien.
Wien. Zschr. prakt. Psychol.	3652. Wiener Zeitschrift für praktische Psychologie. Wien.
Wisconsin Dent. Rev.	3653. Wisconsin dental review. Madison.
Wisconsin Field Army Bull. (Cancer)	3654. Wisconsin (The) Field Army bulletin. Appleton.
Wisconsin Hosp.	3655. Wisconsin hospitals. Eau Claire.
Wiss. Abh. (Merck) Darmst.	3656. E. Merck's wissenschaftliche Abhandlungen aus den Gebieten der Pharmakotherapie, Pharmazie und verwandter Disziplinen. Darmstadt.
Wiss. Abh. Stud. Homöopath.	3657. Wissenschaftliche Abhandlungen zum Studium der Homöopathie, der Konstitutionslehre und ihrer Grenzgebiete. Stuttgart.
Wiss. Mitt. Baln. Univ. Inst. Bad Nauheim	3658. Wissenschaftliche Mitteilungen aus dem Balneologischen Universitäts-Institut zu Bad-Nauheim. Bad-Nauheim.
Wiss. Mitt. Pharm. Forschungsinst., Wien	3659. Wissenschaftliche Mitteilungen des Pharmazeutischen Forschungsinstitutes des Oesterreichischen Apothekervereines. Wien.

Wiss. Zschr., Basel	3660. Wissenschaftliche Zeitschrift. Basel.
Wood M. Rev.	3661. Wood medical review. Wood, Wis.
World of Obst., Tokyo	3662. World (The) of obstetrics and gynecology. Tokyo.
World-wide, Wash.	3663. World-wide. Washington.

Y

Yakugaku zassi	3664. Yakugaku zassi. Tokyo.
Yearb. Brit. Inst. Radiol.	3665. Year book; British Institute of Radiology. London.
Yearb. Path., Chic.	3666. Year book of pathology and clinical pathology. Chicago.
Yearb. Radiol.	3667. Year book of radiology. Chicago.
Yearb. R. Prince Alfred Hosp., Sydney	3668. Yearbook; Medical Officers' Association, Royal Prince Alfred Hospital. Sydney.
Yearb. Texas Soc. Ment. Hyg.	3669. Yearbook of the Texas Society for Mental Hygiene. Austin.
Yillik çalişm. Vet. bakt. serum aşi evi, Ankara	3670. Yillik çalişmalari; Veteriner bakteriyoloji serum ve aşi evi. Ankara.
Your Health, Concord	3671. Your health. Concord, N. H.
Your M. Ass., Sioux Falls	3672. Your (This is) medical association. Sioux Falls, S. Dakota.
Yuseigaku.	3673. Yūseigaku. Nisinomiya.

Z

Zagadn. rasy	3674. Zagadnienia rasy. Warszawa.
Zahnärztl. dent. Presse Korresp., Wien	3675. Zahnärztliche und dentistische Presse-Korrespondenz. Wien.
Zahnärztl. Mitt.	3676. Zahnärztliche Mitteilungen. Berlin.
Zahnarzt, Konst.	3677. Zahnarzt (Der) Konstanz.
Zahnheilkunde	3678. Zahnheilkunde (Die) Karlsruhe.
Zahntechnik, Wörishofen	3679. Zahntechnik. Bad Wörishofen.
Zahntechnik, Zür.	3680. Zahntechnik (Die) Zürich.
Zahntechniker, Basel	3681. Zahntechniker (Der) Basel, &c.
Za social. zdravoohr. uzbekist.	3682. Za socialisticheskoe zdravoohranenie Uzbekistana. Tashkent.
Zbl. Arbeitswiss.	3683. Zentralblatt für Arbeitswissenschaft. Berlin.
Zbl. Kneipp. Heilverf.	3684. Zentralblatt für das Kneipp'sche Heilverfahren. Wörishofen.
Zbl. med. Wiss.	3685. Zentralblatt für die medizinischen Wissenschaften. Berlin.
Zbl. Zahn &c. Heilk.	3686. Zentralblatt für die gesamte Zahn-, Mund- und Kieferheilkunde. Leipzig.
Zdravot. rev., Praha	3687. Zdravotnická revue. Praha.
Zdrav. roč. česk.	3688. Zdravotnická ročenka československá. Praha.
Zdrowie, Warsz.	3689. Zdrowie. Warszawa.
Zdrow. pub.	3690. Zdrowie publiczne. Warszawa.
Zibiinkoka	3691. Zibiinkoka. Tokyo.
Zibiinkoka rinsyo	3692. Zibiinkoka rinsyo. Kyoto.
Ziekenfondsgids	3693. Ziekenfondsgids (De) Utrecht.
Ziekenhuiswezen	3694. Ziekenhuiswezen (Het) 's-Gravenhage.
Zika sinryo	3695. Zika sinryo. Tokyo.
Zika zassi	3696. Zika zassi. Tokyo.
Zikken igaku zassi	3697. Zikken igaku zassi. Tokyo.
Zikken iho	3698. Zikken ihō. Tokyo.
Zikken syōkaki byōgaku	3699. Zikken syōkaki-byōgaku. Kyoto.
Zinrui & iden	3700. Zinrui to iden. Kyoto.
Zissen irigaku	3701. Zissen irigaku. Tōkyō.
Zitti ika to rinsyo	3702. Zitti ika to rinsyō. Hukuoka.
Zool. Ber.	3703. Zoologischer Bericht. Jena.
Zooprofilassi, Roma	3704. Zooprofilassi. Roma.
Zpráva Soc. zdrav. porad. chor. žláz vnitř. sekr., Praha	3705. Zpráva; Sociálně-zdravotnická poradna pro choroby žláz s vnitřní sekrecí; Všeobecná nemocnice. Praha.
Zprávy Stát. zdrav. ústav.	3706. Zprávy Státního zdravotního ústavu. Praha.
Zschr. anal. Chem.	3707. Zeitschrift (Fresenius') für analytische Chemie. Wiesbaden, München.
Zschr. Bayer. statist. Landesamt.	3708. Zeitschrift des Bayerischen statistischen Landesamts. München.

Zschr. deut. Hebam. Wes.	3709. Zeitschrift für das gesamte deutsche, österreichische und schweizerische Hebammenwesen. Stuttgart.
Zschr. ges. inn. Med.	3710. Zeitschrift für die gesamte innere Medizin und ihre Grenzgebiete. Leipzig.
Zschr. Haut & Geschlkr.	3711. Zeitschrift für Haut- und Geschlechtskrankheiten und deren Grenzgebiete. Berlin.
Zschr. Jap. klin. chir. Ges.	3712. Zeitschrift der Japanischen klinischen chirurgischen Gesellschaft. Tokyo.
Zschr. Jap. orthop. Ges.	3713. Zeitschrift der Japanischen orthopädisch-chirurgischen Gesellschaft. Tokyo.
Zschr. Kurortwiss.	3714. Zeitschrift für Kurortwissenschaft. Berlin.
Zschr. Lebensmitteluntersuch.	3715. Zeitschrift für Lebensmittel-Untersuchung und -Forschung. München.
Zschr. phys. Ther., Wien	3716. Zeitschrift für physikalische Therapie, Bäder- und Klimaheilkunde. Wien.
Zschr. polit. Psych. Sexökon.	3717. Zeitschrift für politische Psychologie und Sexualökonomie. København.
Zschr. psychoanal. Pädag., Wien	3718. Zeitschrift für psychoanalytische Pädagogik. Wien.
Zschr. Rassenk.	3719. Zeitschrift für Rassenkunde. Stuttgart.
Zschr. Sinnesphysiol.	3720. Zeitschrift für Sinnesphysiologie. Leipzig.
Zschr. Tokio med. Ges.	3721. Zeitschrift der Tokio-medicinischen Gesellschaft Tokyo.
Zschr. Vitamin &c. Forsch., Wien	3722. Zeitschrift für Vitamin-, Hormon- und Fermentforschung. Wien.
Zschr. Weltdynam.	3723. Zeitschrift für Weltdynamismus. Berlin.
Zschr. Zahnkeram.	3724. Zeitschrift für Zahnkeramik. Wiesbaden.
Zubovrach. mir	3725. Zubovrachebnyi mir. Moskva.
Zürch. med. gesch. Abh.	3726. Zürcher medizingeschichtliche Abhandlungen. Zürich.
Zvestí Cerv. Kríža	3727. Zvestí Cerveného Kríža. Bratislava.
Zwanglose Abh. Frauenh.	3728. Zwanglose Abhandlungen auf dem Gebiete der Frauenheilkunde. Leipzig.
Zyosi igaku kenkyu	3729. Zyosi igaku kenkyū. Tokyo.
Zyuntendo izi kenkyukai hokoku	3730. Zyuntendō izi kenkyūkai hōkoku. Tōkyō.
Zyuntendo izi kenkyukai zassi	3731. Zyuntendō izi kenkyūkai zassi. Tōkyō.
Zyūzenkai zassi	3732. Zyūzenkai zassi. Kanazawa.

CATALOGUE

MHASKAR, Krishnarao [Krishnaji] Shripat, 1879– Balanced diet for the poor. 18p. illust. 23cm. Bombay, 1945.
Repr. from Ind. J. Social Work, 1943, **3**: No. 4.

MIAL, Leonidas Le May, 1862–1937.
For obituary see Tr. Am. Lar. Rhin. Otol. Soc., 1938, **44**: 544.

MIALARET, Jacques, 1904– *Les diverticules du duodénum. 316p. pl. 8° Par., Maloine, 1936.
See also **Basset A., & Mialaret, J.** L'épaule. 292p. 8° Par., 1934.

MIALE, Julie E. Tuberculosis; industrial nursing and mass radiography. 67p. plan. form. 23cm. N. Y., Nat. Tuberc. Ass., 1945.

MIALHE, Aimé, 1910– *Études de certains composés azotés du sang au cours de l'insuffisance surrénale expérimentale. 107p. 25cm. Montpel., Impr. de La Presse, 1934.

MIALL, Agnes MacKenzie, 1892–
See **Denham, M., & Miall, A. M.** All about babies. 445p. 8° Lond., 1936.

MIALL, Bernard, 1876–
For his translations see **Dietz, J.** Master Johann Dietz [etc.] 315p. 23cm. Lond., 1923.—**Schleich, K. L.** Those were good days. 280p. 8° N. Y., 1936.—**Weber-Bauler, L.** From Orient to Occident. 287p. 22cm. N. Y., 1941.

MIALL, Laurence Mackenzie.
See **Miall, S., & Miall, L. M.** Chemistry, matter and life. 295p. 8° N. Y., 1937.

MIALL, Louis Compton, 1842–1921. History of biology. vi, 151p. portr. diagr. 18½cm. Lond., Watts & Co., 1911.

MIALL, Stephen, & MIALL, Laurence Mackenzie. Chemistry, matter and life. ix, 295p. illust. pl. portr. diagr. 8° N. Y., Longmans, Green & Co., 1937.

MIAMI, Fla. Department of Public Health. Annual report. Miami (1941/42) 1942–

MIAMI, Fla. Jackson Memorial Hospital. Bulletin. Miami, v.1, 1939–
See also **Book Week** exhibit; Jackson Memorial Hospital, Medical Library, Miami, Fla. Bull. M. Libr. Ass., 1941–42, **30**: 231.—**Kells, P.** History of the Jackson Memorial Hospital Library. Bull. Dade Co. M. Ass., 1947, **17**: No. 5, 40.

MIAMI, Fla.

See also under **Hospital report.**
Adams, J. H. Climate and sunshine in the Miami zone. C. rend. Congr. internat. lumière, 1932, 2. Congr., 425–35.—**MacDonell, G. N.** The dengue epidemic in Miami. J. Florida M. Ass., 1935, **21**: 392–5.—**Miami,** the convention city. Ibid., 1938, **24**: 544.

MIANA bug.

See **Argasinae**; also **Relapsing fever,** Persian.

MIANINE.

See **Chloramine-T.**

MIANOWSKI, Józef, 1804–79.
For portrait see Collection in Library.

MIANOWSKI, Mikolaj, 1783–1843.
For portrait see Collection in Library.

MIARA, Maurice, 1912– *La paludisme dans le Bas-Languedoc. 64p. 25cm. Montpel., Impr. progr., 1938.

MIARKA, Hans, 1913– *Ueber Orbitalentzündungen und ihre Beziehungen zu Erkrankungen des Zahnsystems. 27p. 8° Königsb. i. P., J. Raabe, 1936.

MIASMA.

See also **Air,** Impurities; **Epidemic** (History; Meteorological and seasonal factors; Theory) **Epidemiology,** History; **Gas,** poisonous; **Ground water; House,** Hygiene; **Marsh; Odor; Putrefaction; Sewage; Sewer gas,** etc.

Henle, J. On miasmata and contagia. p.911–83. 8° Balt., 1938.
In: Bull. Inst. Hist. M., Balt., 1938, **6**:

Barth, C. Syndrome de gangrène pulmonaire chez un intoxiqué par les gaz émanés d'une fosse d'aisances. Presse méd., 1929, **37**: 603.—**Filderman.** Une cause méconnue et fréquente d'émanations délétères dans l'atmosphère des villes. Bull. Soc. méd. Paris, 1928, 451–3.—**Martini.** Boden und Seuchen. Umschau, 1939, **43**: 935–7.—**Pazzini, A.** Odori e soffumigi nella storia dell'igiene. Athena, Roma, 1938, **7**: 110–2.—**Tallois.** Epidémie de Bruxelles; empoisonnement miasmatique. Presse méd. belge, 1868–69, **21**: 181–3.—**Weichardt, W.** Neuere experimentelle Forschungen über sogenannte Miasmen. Balneologe, 1934, **1**: 507–10.

—— Homeopathic aspect.

Green, J. M. Miasmatic children and homoeopathy. Homoeop. Rec., 1943–44, **59**: 209–14.—**Hatfield.** Thoughts on the miasms in practice. Brit. Homœop. J., 1938, **28**: 251–74.—**Paterson, E. M. J.** The chronic miasms in prescribing. Ibid., 1935, **25**: 59–75.—**Roberts, H. A.** The relation of the miasms to modern medical terms. Homoeop. Rec., 1933, **48**: 227–41.—**Stearns, G. B.** The chronic miasms. Ibid., 1939, **54**: No. 11, 1–14.—**Whitmont, E.** Infection or miasm? J. Am. Inst. Homeop., 1948, **41**: 30–4.

MIASNIKOV, A. L. Некоторые проблемы внутренней медицины. Ed. by A. L. Miasnikov. 215p. tab. diagr. 22½cm. Novosibirsk, Zapadno-Sibirsk. kraev. izdat., 1936.
Forms v.1, Tr. Novosibir. gosud. inst. usoversh. vrach.

—— Болезни печени. 572p. illust. ch. 23cm. Leningr., Gosud. izdat. med. lit., 1940.

MIBEL, Guillermo.
See **Mibel, S., & Mibel, G.** Fisiologia humana. 2. ed. 3v. 23cm. B. Air., 1938.

MIBEL, Segismundo, & MIBEL, Guillermo. Fisiologia humana. 2. ed. 3v. illust. diagr. 23cm. B. Air., El Ateneo, 1938.

MIBELLI, Vittorio, 1860–1910.
For portrait see Deliber. Congr. derm. internat. (1935) 1936, 9. Congr., **4**: 358.

MIBELLI'S disease.

See **Angiokeratoma; Porokeratosis.**

MICA.

See also **Kaolin; Porcelain; Sericite; Silicon.**
Armbruster, M. H., & Austin, J. B. The adsorption of gases on plane surfaces of mica. J. Am. Chem. Soc., 1938, **60**: 467–75.—**Heinrich, E. W.** Studies in the mica group; the biotite-phlogopite series. Am. J. Sc., 1946, **244**: 836–48, tab.—**Pfund, A. H.** Haidinger interferences in silvered mica. J. Optic. Soc. America, 1942, **32**: 383–7.—**Physical** properties of mica. Nature, Lond., 1946, **157**: 849.—**Shkabara, M. N.** Zeolites of the Mama-Vitim mica-bearing region. C. rend. Acad. sc. URSS, 1941, **32**: 420–3.—**Tolansky, S.** Further interferometric studies with mica; new multiple-beam fringes and their application. Proc. R. Soc., Lond., 1946, **186**: ser. A, 261–71, 3 pl.

—— Use.

See also Glass.

Kane, E. O. Sheet mica as a protective. J. Am. M. Ass., 1917, **69:** 140.—**Khocianov, L. K.** [Mica as protective glass] Hig. & zdorov., 1942, **7:** No. 7, 46.

MICAELLI, Louis René, 1914– *Considérations sur la reprise du travail des tuberculeux pulmonaires, porteurs de pneumothorax thérapeutique. 118p. tab. 24cm. Alger, Impr. nord-afr., 1939.

MICA operation.

See **Mika.**

MICAUD, Pierre, 1912– *Les fractures isolées du condyle huméral; fractures par décalottement de Mouchet. 83p. pl. 25½cm. Lyon, Bosc fr., 1938.

MICA worker.

See also **Dust; Pneumokoniosis; Sericite; Silicosis.**

Dmitriev, M. A. [Condition of eyes in women workers of the Irkutsk mica factory] Med. biul., Irkutsk, 1939, 87–93, pl.—**Kohan-Jasni, V. M.** [Silicosis universalis in mica workers] Vrach. delo, 1926, **9:** 633–40.—**Policard, A.** Etude expérimentale de l'action des poussières de mica sur le tissu pulmonaire. C. rend. Soc. biol., 1934, **115:** 243. ——— The action of mica dust on pulmonary tissue. J. Indust. Hyg., 1934, **16:** 160–4.

MICELLE.

See also **Colloid,** Structure; **Macromolecule.** For cellular micelle see **Cell,** Cytoplasm: Structure.

Baule, B., & Kratky, O. Die Dehnung der amorphen Bereiche bei affiner Verzerrung eines micellaren Netzes. Zschr. phys. Chem., 1942, **52:** Abt. B, 142–52.—**Bungenberg de Jong, H. G.** Situation des coacervats parmi les systèmes micellaires. In his Coacervation, Par., 1936, **1:** 20–3.—**Cluzet, G.** Modifications micellaires produites par l'addition de cristalloïdes dans le sérum sanguin. C. rend. Soc. biol., 1929, **100:** 458–61.—**Hoar, T. P., & Schulman, J. H.** Transparent water-in-oil dispersions; the oleopathic hydro-micelle. Nature, Lond., 1943, **152:** 102.—**Klevens, H. B.** Critical micelle concentrations as determined by refraction. J. Phys. Colloid Chem., 1948, **52:** 130–48.—**Staudinger, H.** Ueber die ältere und neuere Micellarlehre. In his Makromol. Chem., Basel, 1947, 11–8.—**Young, G., & Reiner, J. M.** Mechanical forces and torque on an ellipsoid in diffusion fields in connection with the problem of orientation of colloidal micellae in biological systems. Growth, Ithaca, 1937, **1:** 251–61.

—— ionic.

See also **Electrolyte; Ion,** complex.

Hartley, G. S. The critical concentration for micelles in solutions of cetane sulfonic acid. J. Am. Chem. Soc., 1936, **58:** 2347–54.—**Hoerr, C. W., & Ralston, A. W.** Studies on high-molecular-weight aliphatic amines and their salts; transference numbers of some primary amine hydrochlorides in aqueous solution and their significance in the interpretation of the micelle theory. Ibid., 1943, **65:** 976–83.—**Randall, M., & Cann, J. Y.** Micelles and base exchange. Chem. Rev., Balt., 1930, **7:** 369–406.—**Wright, K. A., & Tartar, H. V.** Studies of sulfonates; densities and viscosities of sodium dodecyl sulfonate solutions in relation to micelle formation. J. Am. Chem. Soc., 1939, **61:** 544–9.

MICELOTTA, Vincenzo. La scrofolosi. 89p. 18cm. Nap., L. Vittorio, 1872.

—— La materia medica nelle presenti condizioni della medicina. 22p. 21½cm. Nap., G. De Angelis, 1877.
Reprint from Gazz. med. pubb.

MICHAEL, Saint.

San **Michele Arcangelo,** patrono dei radiologi. Radiol. med., Milano, 1941, **28:** 477–82.

MICHAEL, B. F. [author?] Not one person in 5,000 knows what is in this book! [hernia] 28p. illust. 8° [Binghamton, N. Y., 1935]

MICHAEL, Catherine Edwards, 1912–

See **Mallmann, W. L., & Michael, C. E.** The development of mold on cold storage eggs, and methods of control. 34p. 8° East Lansing, 1940.

MICHAEL, Herbert. Die Schädlingsbekämpfung im Rahmen der öffentlichen Gesundheitspflege. 77p. illust. 23cm. Dresd., Deut. Verl. Volkswohlfahrt, 1930.
Forms H. 8, Veröff. Hyg. Akad. Dresden.

—— Leitfaden für die Laienhilfe. 160p. illust. 19cm. Dresd., Deut. Hyg. Mus., 1941.

See also **Gebhard, B., Michael, H.** [et al.] Wunder des Lebens. 427p. 4° Stuttg., 1936.—**Greimer, K., & Michael, H.** Handbuch des praktischen Desinfektors. 3. Aufl. 203p. 8° Dresd., 1937.

MICHAEL, Jeffrey Charles, 1888–1936.
For obituary see Arch. Derm. Syph., Chic., 1936, **33:** 732–4.

MICHAEL, Maurice Albert, 1903–
For portrait see Postgrad. M., 1947, **2:** 283; 415.

MICHAEL, Max Joseph, 1887– Die Begutachtung beruflicher Hauterkrankungen. 40p. 8° Berl., F. C. W. Vogel, 1932.
Forms H. 12, Hefte z. Unfallh.

MICHAEL, Pieter Roelof, 1892– *Osteochondritis deformans juvenilis [Utrecht] xii, 116p. illust. tab. 23½cm. Zalt-Bommel, Van de Garde & Co., 1923.

—— Heelkundige opstellen. ix, 149p. illust. pl. portr. diagr. 26cm. Utrecht, A. Oosthoek, 1948.
For portrait see Geneesk. gids, 1939, **17:** No. 36, front.

MICHAEL, William Howard, 1888– The importance of adequate records of the sick and wounded in the military services in time of war, and the best methods for obtaining them; by Toubib [pseud.] 17p. form. 26½cm. [n. p., 1939?]
Typewritten.
For portrait see Hosp. Management, 1943, **55:** No. 4, 21.

MICHAELIDES, Aegli, 1905– *Ueber ein gramnegatives coliähnliches Bakterium im Rohwasser eines Wasserwerkes; ein Beitrag zur Colifrage [Berlin] 24p. 23cm. Charlottenb., K. & R. Hoffmann, 1937.

MICHAELIDES, Christos G., 1902– *Der heutige Stand der Ansichten über die Erythrocyten-Struktur, mit einigen Bemerkungen über die Becholdsche Methode. 24p. 8° Berl., E. Ebering, 1926.

MICHAELIDES, Georges, 1906– *Glycosuries infundibulo-hypophysaires. 103p. 8° Par., E. Le François, 1935.

MICHAELIS, Edith, 1914– *Vom Zusammenhang der Zahnerkrankungen mit Erkrankungen der benachbarten Organe. 24p. 8° Lpz., A. Edelmann, 1937.

MICHAELIS, H. K. Aetiologie en therapie van pathologische afwijkingen van de gingiva en mondslijmvlies. 32p. illust. pl. 21½cm. Leiden, H. E. Stenfert Kroese, 1945.

MICHAELIS, Hanns, 1913– *Eine Trichineninfektion von 25 Fällen im Kriege. 34p. tab. 21cm. Münch., J. Gotteswinter [1940?]

MICHAELIS, Henriette, 1849– comp. A new dictionary of the Portuguese and English languages. 8. ed. 2v. 729p.; 742p. 22cm. Lpz., F. A. Brockhaus, 1932.

MICHAELIS, Hildegard, 1906– *Untersuchungen und Erfahrungen mit Tiranal. 23p. 8° Lpz., n. p., 1932.

MICHAELIS, Ilse, 1909– *Finden sich Basophilie und andere Alterationen des Blutbildes bei entzündlichen Prozessen der Mund- und Rachenhöhle? [Leipzig] 28p. 8° Zeulenroda i. T., A. Oberreuter, 1933.

MICHAELIS, Karl Alex Erich, 1911– *Ueber zerstückelnde Operationen. 16p. 8° Greifsw., E. Panzig & Co., 1934.

MICHAELIS, Leonor, 1875–1950. Die Wasserstoffionenkonzentration; ihre Bedeutung für die Biologie und die Methoden ihrer Messung. xiii, 210p. 8° Berl., J. Springer, 1914.

—— The same [2. Teil] Oxydations-Reductions-Potentiale mit besonderer Berücksichtigung ihrer physiologischen Bedeutung. 2. Aufl. xi, 259p. diagrs. 8° Berl., J. Springer, 1933.
Forms Bd 17, Monogr. Physiol.

—— The same. Hydrogen ion concentration; its significance in the biological sciences and methods for its determinations. v.**1**: Principles of the theory. Transl. from the 2. German ed. by W. A. Perlzweig. xiv, 299p. illust. tab. diagr. 23½cm. Balt., Williams & Wilkins Co., 1926.
For portrait see Collection in Library. Also Am. Scientist, 1946, **34**: 574.

MICHAELIS, Lili, 1905– *Beitrag zur Kenntnis der Reticulocyten und ihrer klinischen Bedeutung [Berlin] 18p. 8° Quakenbrück, C. Trute, 1933.

MICHAELIS, Lorenz S., 1902– *Ueber sekundäre Todesfälle nach Operation wegen Rückenmarkstumor [Berlin] 37p. 8° Charlottenb., Gebr. Hoffmann, 1927.

—— Vergleichende mikroskopische Untersuchungen an rezenten, historischen und fossilen menschlichen Knochen; zugleich ein Beitrag zur Geschichte der Syphilis. viii, 92p. pl. 8° Jena, G. Fischer, 1930.
Forms 6. Bd, H. 1, Veröff. Geb. Kriegs & Konst. Path. (Aschoff & Borst) Jena, 1930.

—— First aid through photographs. 64p. illust. 12½cm. x 19cm. Lond., Longmans, Green & Co., 1941.

—— How the body works. 64, xvi p. illust. pl. diagr. 21½cm. Lond., Longmans, Green & Co. [1941]

—— Anatomical atlas of orthopaedic operations. 67p. illust. 26cm. Lond., W. Heinemann, 1946.

MICHAELIS, Oscar, 1907– *Die Brauchbarkeit der histochemischen Methoden des Goldnachweises. p. 478–88. 8° Berl., J. Springer, 1931.
Also Biochem. Zschr., 1929–30, **225**:

MICHAELIS, Reinhold. Die Holunderkur, ein altbewährtes Naturheil- und Vorbeugungsmittel von vielseitiger Wirkung gegen Stoffwechselkrankheiten, besonders gegen Gicht und Rheumatismus. 2. Aufl. 24p. 8° Lpz., A. Michaelis [1916]

MICHAELIS, Rudolf, 1907– *Vier Fälle von Lymphogranuloma maligna (!) der Haut (Hodgkin'sche Krankheit) [Freiburg i. B.] 23p. 21cm. Gelnhausen, F. W. Kalbfleisch, 1934.

MICHAELIS-TAPPOLET, Agnes [M. D., 1935, Basel] *Ueber die Einwirkung von Leberpräparaten auf Hämoglobingehalt und Erythrozytenzahl des Blutes beim Kaninchen. 16p. 8° Basel, B. Schwabe & Co., 1935.
Also Schweiz. med. Wschr., 1935, N. 27.

MICHAELS, George, 1903–
See **Sundstroem, E. S., & Michaels, G.** The adrenal cortex in adaptation to altitude, climate and cancer. 409p. 32½cm. Berkeley, Calif., 1942.

MICHAELS, Joseph, 1911– *Ergebnisse und Fortschritte in der Anwendung anisotonischer Lösungen bei der Behandlung des erhöhten Hirndruckes (unter besonderer Berücksichtigung eigener Beobachtungen in Krankenhäusern von New York) 24p. 21cm. Münch., P. Waizmann, 1937.

MICHAELS, Joseph Porter, 1838–1912.
Thorpe, B. L. Joseph Porter Michaels, biologist, microscopist, chemist, prosthetist. In his Biogr. Pioneer Am. Dentists, Chic., 1909, 669–73, portr.
For obituary see Dent. Cosmos, 1912, **54**: 622–7, portr.

MICHAELSEN, Johann Wilhelm, 1860– Scientific results of an expedition to rain forest regions in eastern Africa; Oligochaeta. p.433–77. 8° Cambr., 1937.
Forms No. 8, v.**79,** Bull. Mus. Comp. Zool. Harvard Univ.

MICHAELSEN, Knud, 1915–43.
For obituary see Ugeskr. laeger, 1943, **105**: 1019 (Andersen S. R.)

MICHAELSEN, Uwe, 1912– *Schizophrenieähnliche Krankheitsbilder im Erbgesundheitsverfahren [Kiel] 28p. 21cm. Bresl., Bresl. Genoss. Buchdr., 1937.

MICHAIL, Dumitru, 1885–
[**Fiftieth** anniversary of Prof. D. Michail] Cluj. med., 1935, **16**: 619, portr.—**Vancea, P.** Vue d'ensemble sur l'activité scientifique du professeur D. Michail. Ibid., 1936, **17**: 275–90, portr.

MICHAIL, Jean. *Les modifications apportées dans les conceptions de la collapsothérapie par la pleuroscopie précoce [Lausanne] 46p. illust. tab. 23cm. Aigle, J. Borloz, 1943.

MICHAILOFF, Dimiter, 1903– *Ulcussarkom des Magens. 24p. 8° Münch., F. Pinn, 1929.

MICHAILOFF, Dimiter M., 1905– *Ueber die tuberkulöse Sehnenscheidenentzündung [Zürich] 31p. 8° Sofia, P. Gluschkoff, 1931.

MICHALAKEFF, Georgi, 1898– *Beobachtungen über chronische Meningokokken-Meningitis an der Leipziger Medizinischen Klinik [Leipzig] 30p. 8° Lucka i. T., R. Berger, 1926.

MICHALEFF, Dobri, 1901– *Die Methoden der Resektion des Oberkiefers und ihre Immediat-Prothese. 16p. 8° Lpz., n. p., 1929.

MICHALIS, Spyro, 1903– *Reine recidivierende Agranulocytose. 37p. 8° Berl., R. Pfau, 1937.

MICHALLET, Louis, 1912– *Un cas clinique d'ostéopathie bismuthique. 43p. 24½cm. Lyon, Impr. du Salut public, 1939.

MICHALOVICI, Eugénie [M. D., 1939, Genève] *L'état des nerfs sympathiques et parasympathiques dans les pneumopathies aiguës et chroniques [Genève] 72p. pl. 23½cm. Ambilly, Presses zoniennes, 1939.

MICHAŁOWICZ, Jerzy, 1903–36.
For obituary see Polska gaz. lek., 1936, **15**: 705, portr. (Stein, J.)

MICHALOWSKY, Ernst Heinrich, 1898– *Ein Fall von Echinokokkus disseminatus mit Vereiterung und Ruptur eines Leberechinokokken. 19p. 8° Königsb. i. P., A. Lück, 1925.

MICHALSKI, Pinkus [M. D., 1935, Basel] *Veränderungen in der Mundhöhle bei Diabetes mellitus. 23p. 8° Basel, Philogr. Verl., 1935.

MICHALSKI, Werner, 1912– *Ist die Paradentose durch Kurzwellentherapie beeinflussbar? 24p. 8° Tüb., A. Becht, 1936.

MICHALSKY, Walter, 1910– *Beitrag zur Frage der Berufsfähigkeit derjenigen, die in der Jugend wegen angeborenen Stars operiert wurden [Greifswald] 19p. 22½cm. Glogau, C. Altmann, 1937.

MICHANS, Juan [M. D., 1925, B. Aires] Antecedentes, títulos y trabajos. 18p. 23cm. B. Air., A. G. Buffarini, 1942.

—— Antecedentes, títulos y trabajos; concurso de profesor adjunto de clínica quirúrgica. 19p. 23cm. B. Air., A. López, 1943.

MICHARD, Louis, 1910– *Contribution à l'étude de la vaccination associée antityphoparatypho-diphtérique. 92p. 8° Par., Jouve & cie, 1934.

MICHAUD, André. *Contribution à l'histoire

de la prothèse dentaire générale en Suisse [Genève] 63p. 23cm. Château-D'Oex, E. Burri, 1939.

MICHAUD, Gilbert, 1911– *Les stations thermo-climatiques de la vallée du Tech; leurs caractéristiques essentielles; leurs indications respectives. 45p. 23½cm. Par., L. Flandin, 1939.

MICHAUD, Jacques, 1910– *Le traitement moderne de l'impetigo par la vaccinothérapie ou la médication sulfamidée. 87p. 24½cm. Par., M. Vigné, 1939.

MICHAUD, Jacques, 1915– *La vitamine B_1 et le traitement des polynévrites alcooliques. 32p. 24cm. Par., Jouve & cie, 1939.

MICHAUD, Léon. *Les apothicaires de l'Angoumois [Strasbourg] 159p. illust. pl. map. 24cm. Clermont-Ferrand, J. de Bussac, 1943.

MICHAUD, Louis, 1880– *Ueber das Scheidevermögen der Niere bei Blutentzug und über die Wirkungsweise der Diuretica [Bern] 83p. 8° Münch., R. Oldenbourg, 1904.

For Festschrift see **Hommage à Louis Michaud,** 8 juin 1940. 674p. 26cm. [Lausanne, 1940?]

See also **Barraud.** A Louis Michaud. Rev. méd. Suisse rom., 1940, **60:** 409. Also in Michaud Festschr., Lausanne, 1940, ix.—**Bridel, P., & Montmollin, C. de.** Hommage au patron. Ibid., 51–5.—**Chuard, E.** L'appel à Lausanne. Ibid., 1.—**Copeau, J.** Lettre au professeur Louis Michaud pour ses 60 ans. Ibid., 3.—**Müller, F. von.** Ein Brief an Herrn Professor Dr Michaud zur Feier seines 60. Geburtstages. Schweiz. med. Wschr., 1940, **70:** 495–8.—**Pochon, A.** Andante sostenuto; pour quatuor à cordes; écrit à l'occasion du 8 juin 1940; dédié en toute amitié au professeur Louis Michaud. In: Michaud Festschr., Lausanne, 1940, 29–36.—**Professor** Dr Louis Michaud zum 60. Geburtstage. Ibid., xi. Also Schweiz. med. Wschr., 1940, **70:** 493, portr.—**Weingartner, F.** Michaud der Freund. In: Michaud Festschr., Lausanne, 1940, 49.

For portrait see in Michaud Festschr., Lausanne, 1940, front.

MICHAUD, Pierre, 1911– *De l'intérêt des réactions de Aschheim-Zondek et Friedmann-Brouha dans les suites de la môle hydatiforme. 42p. 8° Lyon, Ass. typogr., 1935.

MICHAUD-ELSKES, Marthe [M. D., 1937, Lausanne] *Contribution à l'étude des diverticules du duodénum. 63p. 24cm. Lausanne, La Concorde, 1937.

MICHAUD Festschrift.

See **Hommage à Louis Michaud,** 8 juin 1940. 674p. 26cm. [Lausanne, 1940?]

MICHAUT, Jean, 1907– *Spirochétose ictéro-hémorragique de l'homme et du singe. 117p. pl. 8° Par., A. Legrand, 1932.

MICHAUT, Pierre, 1902– *La cure de soif dans le traitement de la bronchectasie infantile [Paris] 63p. 8° Nancy, Impr. centr. de l'est, 1927.

MICHAUT, Régine, 1909– *Du traitement vaccinothérapique de la tuberculose chirurgicale. 32p. 8° Par., P. & E. Davy, 1934.

MICHAUT, Robert, 1908– *Contribution à l'étude des tuberculoses pulmonaires graves; les évolutions d'une seule tenue. 88p. 8° Par., L. Arnette, 1938.

MICHAUX, François André, 1770–1855.

For portrait see Rep. U. S. Nat. Mus. (1897) 1901, pt 2, pl. 58.

MICHAUX, Jacob, 1851–1915.

For obituary see Tr. Tristate M. Ass., 1916, **18:** 50.

MICHAUX, Léon, 1899– *La neuromyélite optique aiguë. 291p. 8° Par., L. Arnette, 1930.

MICHAUX, Roger, 1909– *Etude du temps de désintégration par hydrolyse de quelques microbes; essai d'application clinique des désintégrats au diagnostic de certaines maladies. 47p. 25cm. Lyon, Impr. I. L., 1933.

MICHEAU, André, 1903– *La région de Zoumi (Maroc nord-est) son élevage bovin, ovin et caprin [Alfort] 36p. 8° Par., Nos Animaux, 1930.

MICHEAUX, André Lafaye de, 1912– *La thoracoplastie supérieure; historique, indications, technique, résultats [Marseille] xiv, 133p. 24½cm. Bellegarde, Impr. Sadag, 1939.

See also **Angirany, J., Michon, L., & Micheaux, A. L. de.** La thoracoplastie élective: primitive, d'association, de substitution. 127p. 23cm. Par., 1940.

MICHEEL, Bruno, 1902– *Die Vorteile der direkten Endoskopie und der Röntgendurchleuchtung bei Erkennung und Behandlung von Fremdkörpern der tieferen Luftwege und der Speiseröhre. 40p. 8° Bonn, P. Kubens, 1930.

MICHEL, Albert Ehregott Christoph, 1910– *Zehnjährige Erfahrungen mit der Anaesthesie und Narkose im poliklinischen Betriebe [Leipzig] 32p. 8° Zeulenroda i. T., A. Oberreuter, 1936.

MICHEL, Antoine, 1911– *Sur un cas de pleurésie purulente fétide de la grande cavité à colibacilles. 44p. 25½cm. Par., L. Arnette, 1939.

MICHEL, Bertha Vogler. Die Kunst des Krankseins. 2. Aufl. 113p. 21cm. Solothurn, Vogt-Schild, 1944.

MICHEL, Carl, 1890–1946.

For obituary see Bol. Of. san. panamer., 1946, **25:** 767. Also Med. Ann. District of Columbia, 1946, **15:** 197. Also Mil. Surgeon, 1946, **98:** 265.

MICHEL, Charles H., 1867–1937.

See **Loeper, M. R., & Michel, C. H.** Formulaire pratique de thérapeutique et de pharmacologie. 34. éd. 1030p. 16cm. Par., 1938. Also Spanish ed. 1069p. 15½cm. Madr., 1944.

For obituary see Bull. Soc. méd. Paris, 1938, 18 (Luquet, G., & Grain, R.)

MICHEL, Charlotte, 1904– *Die Ergebnisse poliklinischer Geburtshilfe [Breslau] 34p. 8° Gottesberg. i. S., Wochenbl. Druck., 1931.

MICHEL, Ernst, 1911– *Ueber Diagnose und Differentialdiagnose bei Grawitzschen Tumoren [Giessen] 33p. 8° Würzb., R. Mayr, 1938.

MICHEL, Eugen, 1897– *Die Anwendung der Kälte in der konservierenden Zahnheilkunde. 18p. 8° Würzb., R. Mayr, 1933.

MICHEL, Eugène, 1914– *Contribution à l'étude des amygdalectomies abusives et de l'amygdalite iliaque. 48p. 24cm. Par., Vigot fr., 1939.

MICHEL, Eugène Gaston, 1874–1937.

For biography see in Souvenirs (Binet, A.) Par., 1946, 166.

For obituary see Gynécologie, 1937, **36:** 193 (Binet, A.) Also Rapp. Congr. Soc. internat. chir., 1938, 11. Congr., **1:** 196–200 (Guibal, J.) Also Rev. méd. Nancy, 1937, **65:** 283–7, portr. (Guibal, J.)

—— **MUTEL, Maurice Gustave, & ROUSSEAUX, René.** Les traumatismes fermés du rachis. vii, 330p. illust. 8° Par., Masson & cie, 1933.

MICHEL, Evariste. Chateaubriand; interprétation médico-psychologique de son caractère. vii, 150p. 8° Par., Perrin & cie, 1911.

MICHEL, Friedrich, 1907– *Ueber absichtlich erzeugte Hautbeschädigungen (Artefakte) 93p. pl. 8° Erlangen-Bruck, R. Windsheimer, 1935.

MICHEL, Georges, 1913– *La place actuelle de la myomectomie dans le traitement des fibromes utérins. 52p. 25½cm. Lyon, Bosc fr., 1938.

MICHEL, Gertrud, 1909– *Die primäre Insulinhyperglykämie während der Schwangerschaft (experimentelle Untersuchungen über die Schwangerschaftsleber) 25p. 8° Bonn, H. Trapp, 1935.

MICHEL, Gustave Hillarion, 1859–1926. Home science; a treatise upon the causes, prevention and treatment of disease. xi, 571p. 8° Clevel., Home Science Co., 1900.

MICHEL, Guy, 1913– *La chrysothérapie intra-pleurale dans les pneumothorax inefficaces. 67p. 25cm. Montpel., Impr. Charité, 1939.

MICHEL, Helmut, 1911– *Ueber das Adenocarcinom der Appendix unter dem Bilde der eitrigen Appendicitis [Breslau] 11p. 22½cm. Würzb., K. Triltsch, 1936.

MICHEL, Henri, 1914– *Contribution à l'étude du traitement des diphtéries graves par l'extrait cortico-surrénal à hautes doses. 38p. 24cm. Par., Jouve & cie, 1942.

MICHEL, Henriette [née **Lauriat**] 1905– *La neuro-syphilis parenchymateuse chez le musulman tunisien et l'arsénothérapie. 56p. 8° Par., Vigot fr., 1935.

MICHEL, Henriette Marie Amélie [née **Renaud**] 1909– *Le traitement du trachome par les sulfamides et en particulier par le G. 33. 174p. 24cm. Nancy, Impr. nancé., 1944.

MICHEL, Hubert, 1913– *Ueber die abtötende und entwicklungshemmende Wirkung von Benzoesäure und Natriumbenzoat bei verschiedenen Temperaturen [München] 25p. 21cm. Würzb., K. Triltsch, 1938.

MICHEL, Hubert Romaric, 1904– *Contribution à l'étude de la rachianalgésie; son mécanisme; réflexions sur la diffusion. 55p. 24cm. Nancy, Impr. Lorraine, Rigot & cie, 1934.

MICHEL, Jean, 1908 [15. July]– *Contribution à l'étude du traitement chirurgical de la pachydermie vorticellée du cuir chevelu. 73p. 8° Lyon, Bosc fr., 1937.

MICHEL, Jean, 1908 [18. Dec.]– *Contribution à l'étude de la pathogénie et du traitement des états psychoneurasthéniques. 109p. 25cm. Nancy, L. Stoquert, 1933.

MICHEL, Jean, 1909– *Valeur pharmacologique de l'hyposulfite de soude. 64p. 8° Par., Vigot fr., 1933.

MICHEL, Jean Auguste René, 1888– *Le zébu au Maroc [Alfort] 57p. 8° Par., Vigot fr., 1932.

MICHEL, Jean Guy, 1912– *Contribution à l'étude du fond d'oeil sénile, plus particulièrement au cours de l'hypertension [Marseille] 103p. 25cm. Lyon, Bosc fr., 1939.

MICHEL, Jean Marie, 1908–44.
For obituary see Lyon chir., 1945, **40**: 5–7, portr. (Mallet-Guy, P., & Romand-Monnier, J. M.)

MICHEL, Jean Maurice [D. Vet., 1941, Alfort] Le poumon des ruminants en inspection des viandes. 94p. 24cm. Par., R. Foulon, 1941.

MICHEL, Joseph Guillaume, 1913– *La torsion appendiculaire mécanique. 32p. 25½cm. Par., Vigot fr., 1939.

MICHEL, Jules, 1908– *La morve; maladie professionnelle du vétérinaire [Alfort] 46p. 8° Par., Vigot fr., 1932.

MICHEL, Julius von, 1843–1911. Die Krankheiten der Augenlider. vi, 473p. illust. pl. 8° Lpz., W. Engelmann, 1908.
Forms 5. Bd, 2 Abt., Handb. ges. Augenh. (Saemisch, T., & Hess, C.) 2. Aufl.
For obituary see Arch. Augenh., 1911, **70**: H. 2, p. i. Also Ophth. Yearb., 1912, **9**: 15.

MICHEL, Karl, 1907– *Ueber die Prolapsoperationen der Klinik vom 1. X. 1920 bis 31. XII. 1932 [München] 11p. 8° Würzb., R. Mayr, 1933.

MICHEL, Karl Heinz, 1908– *Zur Kenntnis der Nasenhöhlengeschwülste [Breslau] p.354–71. 8° Münch., J. F. Bergmann, 1932.

MICHEL, Lotte, 1904– *Synechien der kleinen Labien [München] 35p. 8° Heidelb., P. Braus, 1929.

MICHEL, Lucien, 1885– Le pied bot congénital. p.3907–75. 8° Par., Masson & cie, 1937.
In: Traité chir. orthop. (Ombrédanne, L.) Par., 1937, **5**:

MICHEL, Marie Maurice. *Contribution à l'étude des maladies parasitaires des ombellifères utiles [Strasbourg] 141p. illust. 23½cm. Toul, Impr. touloise, 1936.

MICHEL, Maurice, 1865–1944.
For obituary see Bull. Soc. méd. hôp. Paris, 1944, **60**: 258 (Lemierre) 444.

MICHEL, Paul, 1907– *Contribution à l'étude des accidents cutanées de la phénolphtaléine. 44p. 8° Par., Presses modernes, 1937.

MICHEL, Paul, 1911– *Ueber Hyperemesis gravidarum [Würzburg] 46p. 8° Ochsenf. a. M., Fritz & Rappert, 1935.

MICHEL, Paul, 1912– *Contribution à l'étude de la lithiase sous-maxillaire; diagnostic clinique et radiologique; traitement. 96p. illust. 25cm. Par., Vigot fr., 1940.

MICHEL, Raoul, 1905– *Contribution à l'étude du traitement chirurgical de l'invagination intestinale; extériorisation de l'appendice; trois observations. 53p. 25cm. Montpel., Impr. du Progrès, 1934.

MICHEL, Raymond, 1914– *Recherche sur la biochimie de la phénylalanine [Marseille] 89p. tab. diagr. 24cm. Lons-le-Saunier, M. Declume, 1944.

MICHEL, Robert, 1911– *La destruction des ordures ménagères par la méthode du dépôt contrôlé. 70p. 8° Par., A. Legrand, 1936.

MICHEL, Roberto. *La operación de Portes [Guadalajara] 5p. l., 24p. illust. 22cm. [Guadalajara? Méx., n. p.] 1927.

MICHEL, Roger, 1903– *La maison maternelle nationale de St-Maurice (Seine) sa création, son fonctionnement, ses résultats. 68p. 8° Par., A. Legrand, 1930.

MICHEL, Roger, 1908– *Contribution à l'étude des paraplégies tardives par projectile latent dans les blessures du rachis. 62p. 25cm. Montpel., Impr. Presse, 1935.

MICHEL, Roger, 1909– *Réaction psychomotrice et chronaxie vestibulaire; chronaxie du nerf phrénique et phrénicoexérèse. 72p. 8° Par., G. Doin & cie, 1934.

MICHEL, Rudolf, 1870– Lehrbuch der forensischen Psychiatrie. 274p. 8° Berl., Urban & Schwarzenberg, 1931.

MICHEL, Ruth, 1909– *Ueber eine traumatische Trigeminusschädigung [Freiburg i. B.] 24p. 8° Halle a. S., H. John, 1935.

MICHEL, Theodor [M. D., 1931, Basel] *Bader, Scherer, Chirurgen, Hebammen und Apotheker im alten Luzern (1300–1798) 102p. 8° Basel, P. v. Matt & cie, 1931.

MICHEL, Walter [M. D., 1937, Genève] *Contribution à l'étude du diabète surrénal. 43p. 23cm. Genève, Impr. Victoria-Hall, 1937.

MICHEL, Walter, 1907– *Der Einfluss der Zerkleinerung bei der Ausnutzung der Leguminosen im Darmkanal des Menschen. 29p. 20cm. Frankf. a. M., F. Eberling, 1938.

MICHELANGELO [Buonarroti] 1475–1564.
For biography see:
Clément, C. Michelangelo. 111p. 8° Lond., 1888.

See also **Anile, A.** Il volto di Michelangelo. Illust. med. ital., 1925, **7**: 70–2.—**Gleichen, A. von.** Michelangelo und Vittoria Colonna. Neue Generation, 1912, **8**: 173–80.—**Intersessualità** di Michelangelo. Minerva med., Tor., 1940, **31**: pt 1, varia, 110–2.—**MacLean, M.** The horns on Michelangelo's Moses. Art & Archaeol., 1917, **6**: 97, pl.—**N., W.** A mão esquerda de Miguel Angelo. Actas Ciba, Rio, 1941, **8**: 335.—**Vidoni, G.** La giovinezza di Michelangelo. Illust. med. ital., 1923, **5**: 62–5.

MICHELAZZI, Augusto Massimo, 1904– Cardiopatologia; elementi di semeiotica, diagnostica e terapia delle malattie cardiovasali. xv, 469p. illust. pl. diagr. 25cm. Tor., Rosenberg & Sellier, 1947.

—— & **DE RENZI, Salvatore.** Il puntato linfoghiandolare. 126p. illust. pl. tab. 23½cm. Pisa, Nistri-Lischi ed., 1940.
Also Omnia med., Pisa, No. 15, Suppl.

MICHELAZZI, Augusto Massimo, & MELOSI, Enea. La uveo-parotite. 22p. illust. 27½cm. Bologna, L. Cappelli, 1941.
Forms (No. 64) No. 65, ser. 1, Coll. med. attual. sc.

MICHELAZZI, Luigi. Elementi di fisiopatologia ad uso delle allieve ostetriche. 77p. pl. 24½cm. Pisa, G. Cursi & figli, 1939.

MICHELBACHER, Otto Wilhelm, 1901– *Die medikamentöse Behandlung der Hypertoniekrankheiten mit besonderer Berücksichtigung des Cholinpräparates Pacyl. 33p. 8° Marb., J. Hamel, 1929.

MICHEL-BECHET, Régis.
See **Godard, H., & Michel-Béchet, R.** Nouvelles techniques traitement des fractures. 406p. 24½cm. Par., 1948.

—— **PUIG, René, & CHARVET, Pierre.** Localisations viscérales et aspects chirurgicaux des brucelloses. 168p. illust. diagr. 25cm. Par., Masson & cie, 1939.

MICHEL de Pierredon, Constance Polignac, 1883– *Les polynévrites par déséquilibre nutritif. 56p. 24cm. Par., Jouve & cie, 1942.

MICHEL-DURAND, Emile. Le phosphore des végétaux; son rôle dans l'énergétique cellulaire. v.**1** & **3.** 2v. 25½cm. Par., Presses univ. France, 1940.

MICHELEAU, Paul Etienne, 1875–1940.
For obituary see J. méd. Bordeaux, 1940, **117**: 221.

MICHELER, Joseph Alfred, 1861–1931.
For portrait see Collection in Library.

MICHELET, Carl, 1862–
For biography see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 124, portr.

MICHELET, Jules, 1798–1874 [La femme] Woman. Transl. by J. W. Palmer. xi, 283p. 18½cm. N. Y., Rudd & Carleton, 1860.
See also **Guy-Grand, G.** Proudhon et Michelet. Rev. philos. France, 1948, **138**: 385–408.

MICHELET, Léon, 1904– *La vie d'Ambroise Paré. xii, 159p. portr. 25cm. Par., E. Le François, 1930.

—— L'asthme. x, 104p. illust. 15½cm. Par., Libr. Maloine, 1941.

MICHELET, Paul, 1913– *Essai d'obstétrique caprine [Vet.] 69p. diagr. 24½cm. Toulouse, F. Boisseau, 1934.

MICHELI, Cesare, 1866–1943.
Editor & translator of **Fehling, H. J. K.** L'ostetricia operativa della pratica e della clinica. 300p. 23cm. Milano, 1912.
For obituary see Ann. ostet. gin., 1943, **65**: 317 (Malcovati, P.) Also Clin. ostet., 1943, **45**: 96. Also Policlinico, 1943, **50**: sez. prat., 331. Also Riv. ital. gin., 1946, **29**: 90.

MICHELI, Ferdinando, 1872–1936. Tubercolosi polmonare. p.283–495. 8° Tor., Minerva med., 1932.
In: Med. int. (Ceconi, A.) Tor., 1932, **1**:
See also **Ceconi, A., & Micheli, F.** Medicina interna. 2. ed. 6v. 26cm. Tor., 1944.
For biography see Atti Conv. sc. fis. mat. natur. (1933) 1934, 378, portr.
For obituary see Arch. pat., Bologna, 1937–38, **17**: No. 2, 1. Also Arch. sc. med., Tor., 1937, **63**: p. i, portr. (Morpurgo, B.) Also Athena, Roma, 1936, **5**: 50, portr. Also Baglivi, 1937, **3**: 159 (Marcolongo, F.) Also Clin. med. ital., 1937, **68**: 367–9, portr. (Cesa Bianchi, D.) Also Gior. Accad. med. Torino, 1937, **100**: 122–47, portr. (Gamna, C.) Also Lotta tuberc., 1937, **8**: 677–81, portr. (Bocchetti, F.) Also Osp. maggiore Novara, 1937, **14**: 381–93, portr. (Pictra, P.) Also Policlinico, 1937, **44**: sez. prat., 1217–9, portr. (Bastai, P.) Ibid., 2192–202 (Frugoni, C.) Also Q. radiol., Belunno, 1937, **8**: 364–6, portr. (Bastai, P.) Also Rass. med. lavoro indust., 1937, **8**: 151, portr. (Vigliani, G. A.)

MICHELIA.

See under **Magnoliaceae.**

MICHELIS, Ilse, 1915– *Die Pyrifer-Behandlung der multiplen Sklerose. 37p. 20½cm. Königsb. i. P., J. Raabe, 1938.

MICHELIS, Otfried, 1908– *Veränderungen im Bereiche der oberen Luftwege bei der chronischen Arsenvergiftung der Weinbauern [Freiburg i. B.] 27p. 8° Gött., Götting. Handelsdr., 1934.

MICHELL, Jan Petersen, 1760–95. Onderzoek aangaande het nut van de kraakbeen-sneede in moeijelijke verlossingen [Orig. 1781] p.71–114. 8° Amst., Ned. maatsch. geneesk., 1932.
In: Opusc. select. Neerl. art. med., 1934, **12**:

—— Nadere opheldering over de historie en het nut der schaambeensneede in moeielijke verlossingen. p.115–47. 8° Amst., Ned. maatsch. geneesk., 1932.
In: Opusc. select. Neerl. art. med., 1934, **12**:

MICHELLI, Sir James, 1853–1935.
For obituary see Brit. M. J., 1935, **1**: 808. Also Lancet, Lond., 1935, **1**: 874.

MICHEL-MARGUERIT, Paul, 1908– *Contribution au traitement non sanglant des fractures de la malléole tibiale postérieure, isolées ou associés; la flexion extrême par traction axiale en décubitus ventral déclive, figée dans le plâtre. 41p. pl. 25cm. Montpel., Impr. Presse, 1933.

MICHELOTTI, Luigi.
For biography see Minerva med., Tor., 1948, **39**: pt 2, Varia, 298.

MICHELS, Helmut, 1902– *Maul- und Klauenseuche beim Menschen [Freiburg i. B.] 22p. 8° Quakenbrück, C. Trute, 1933.

MICHELS, Joseph, 1908– *Die Aetiologie der Odontoide [Münster] 55p. 8° Rheine i. W., J. Vienerius, 1933.

MICHELS, Kurt, 1905– *Ueber die Behandlung der Gaumenspalten [Berlin] 34p. 8° Lippstadt i. W., Thiele, 1933.

MICHELS, Nicholas Aloysius, 1891– The mast cells. p.235–372. illust. pl. 8° N. Y., P. B. Hoeber, 1938.
In: Handb. Hemat. (Downey, H.) N. Y., 1938, **1**:
For biography see in Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 304, portr. Also Q. Phi Beta Pi M. Fratern., 1945–46, **42**: 153, portr.

MICHELS, René, 1914– *L'opération systématique d'urgence dans les appendicites aiguës [Strasbourg] 36p. 24cm. Par., Jouve & cie, 1939.

MICHELSEN, August, 1876–
For biography see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 125, portr.

MICHELSEN, Gustav Lauritz, 1862–
For biography see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 125, portr.

MICHELSEN, Ingeborg, 1901– *Beiträge zur Frage der apoplektiformen Laesionen von verlängertem Mark und Brücke [Leipzig] 18p. 8° Zeulenroda i. T., A. Oberreuter, 1932.

MICHELSOHN, Harry, 1902– *Bericht über 712 Gallensteinoperationen mit besonderer Berücksichtigung der Dauerresultate [Kiel] 30p. 8° Lpz., F. C. W. Vogel, 1928.

MICHELSON, Albert Abraham, 1852–1931.
See **[America] Optical Society of America.** Proceedings of the Michelson Meeting. p.149–286. 24½cm. Menasha, 1928.
For biography see Sc. Month., 1939, **48:** 17–27, portr. (Millikan, R. A.)
See also **Bibliography** of publications of Albert A. Michelson. Proc. Optic. Soc. America, 1928, 151–4.—**Shibayev, V. A.** Professor Albert A. Michelson and his contribution to science. J. Urusvati Himalay. Res. Inst., Calc., 1932, **2:** 1–4, portr.
For portrait see Collection in Library. Also Proc. Optic. Soc. America, 1928, opp. p. 148. Also Sc. Month., 1939, **48:** front.

MICHELSON, Henry Ernest, 1888–
For portrait see Bull. Linn Co. M. Soc., 1947–48, **16:** 11. Also California M., 1948, **68:** 192. Also J. Am. M. Ass., 1948, **137:** 575. Also Nu Sigma Nu Bull., 1942, **31:** 49.

MICHELSON, Jacques, 1904– *Etude statistique de la mortalité infantile. 66p. 8° Par., M. Lac, 1930.

MICHELSON, N. M.
See **Rauer, A. E., & Michelson, N. M.** Пластические операции на лице. 254p. 26cm. Moskva, 1943.

MICHELSON, Nicholas, 1897–
See **Boas, E. P., & Michelson, N.** The challenge of chronic diseases. 197p. 8° N. Y., 1929.

MICHELSON, Truman, 1879–1938. Notes on the Fox Wâpanōwiweni. v, 195p. 8° Wash., Gov. Print. Off., 1932.
Forms Bull. 105, Smithson. Inst. Bur. Am. Ethnol.

—— Fox miscellany. v, 124p. 8° Wash., Gov. Print. Off., 1937.
Forms Bull. 114, Smithson. Inst. Bur. Am. Ethnol.
For obituary see Am. Anthrop., 1939, **41:** 281–5 (Cooper, J. M.)

MICHELSSON, Friedrich Alexander, 1881– Knochen- und Gelenktuberkulose. p.403–53. 25cm. Lpz., J. A. Barth, 1939.
In: Tuberk. Mensch. (Alexander, H., et al.) Lpz., 1939.
See also **Borchard, A., Brunn, W. V., & Michelsson, F. A.** Deutsches Chirurgen-Verzeichnis. 3. Aufl. 898p. 21½cm. Lpz., 1938.

MICHELY, Jean Maurice, 1914– *Contribution à l'étude des anévrysmes artério-veineux entre la carotide externe et la jugulaire interne. 55p. illust. 25cm. Nancy, Impr. Grandville, 1942.

MICHENER, Robison E., 1861–1947.
For obituary see Nat. Eclect. M. Q., 1947–48, **39:** 18.

MICHEZ, Jules, 1897–
For biography see Who's Important, N. Y., 1947, **1:** 415.

MICHIELS, Jean Jules Marie, 1914– *Sur quelques causes accidentelles dans l'étiologie de la démence précoce. 115p. 24½cm. Bord., Impr. Bière, 1939.

MICHIELS, Louis, 1886–1936.
For bibliography see Bibliogr. acad. Univ. Louvain (1914–34) 1937, **6:** pt 2, 286–9.
For obituary see Bull. Acad. méd. Belgique, 1936, 6. ser., **1:** 31–3; 1939, **4:** 122–32, portr. (Wattiez, N.)

MICHIGAN, U. S. A. Department of Health. Annual report of the Commissioner. Lansing, 1. (1873) 1874–
1873–1917/18 issued by the State Board of Health.

—— Reprint series. Lansing, No. 1–58, 1921–30.

—— County and district health departments in Michigan. 21p. diagr. 23cm. Lansing, 1942.

—— Teacher observation of health conditions of school children. 31p. 23cm. Lansing, 1942.

—— Tularemia (rabbit fever) prevention requires careful handling of wild rabbits. 3p. 23cm. Lansing [1942?]

—— The health service in the schools. 31p. 23cm. Lansing, 1943.

—— Scarlet fever; spread of the disease is often caused by mild cases of infection. [4]p. 23cm. Lansing, 1943.

—— Nurses employed for public health work in Michigan. Lansing, 1949–
See also **Michigan, U. S. A. Department of Public Instruction & Children's Fund of Michigan.** Health in education. 179p. 23cm. Lansing, 1944.—**Michigan, U. S. A. Department of Public Instruction & Michigan Department of Public Health.** Leads to better community health. 28p. 23cm. Lansing, 1943.—**Michigan State Medical Society & Michigan Department of Health.** Cancer: a manual for physicians. 225p. 23½cm. Lansing, 1944.
See also **Michigan** Department of Health celebrates 75th anniversary. Michigan Pub. Health, 1948, **36:** 110–2.—**Semi-centennial** celebration of the establishment of the Michigan Department of Health. Pub. Health Michigan, 1924, n. ser., **12:** Suppl., 5–15.—**Siemons, C. C.** Michigan's department of health. J. Michigan M. Soc., 1931, **30:** 176–9.
See also **Michigan, U. S. A. State Board of Health.**

MICHIGAN, U. S. A. Department of Health. Bureau of Records and Statistics. Annual report, including the annual registration report, 1933–1939. 7v. tab. 23cm. Lansing, 1936–41.
For earlier and later reports see the Annual report of the Department of Health.

MICHIGAN, U. S. A. Department of Mental Health. Monthly bulletin. Lansing, v.**1,** 1945–

MICHIGAN, U. S. A. Department of Public Instruction. Bulletin No. 316: Temperance education. 80p. 23cm. Lansing, 1942.

—— Bulletin No. 336: Nutrition education in high schools; suggestions for improving food habits. 39p. form. 23cm. Lansing, 1945.

—— Instructional Service Series. Bulletin No. 3017A: Interpretations of the basic instructional policy, health education. 11 l. 28cm. Lansing, 1942.
Mimeographed.

—— Instructional Service Series. Bulletin No. 3029A: Bibliography on temperance education, including material on the effects of alcohol, tobacco, and narcotics. 2p. l., 13 l. 28cm. Lansing, 1943.
Mimeographed.
See also **Michigan, U. S. A. Department of Health.** The health service in the schools. 31p. 23cm. Lansing, 1943. ——— Teacher observation of health conditions of school children. 31p. 23cm. Lansing, 1942.—**Michigan, U. S. A. Joint Committee on Health Education.** The problem solving approach in health teaching. Rev. ed. 37p. 23cm. Lansing, 1943.—**Michigan, U. S. A. Department of Public Instruction & Children's Fund of Michigan.** Health in education. 179p. 23cm. Lansing, 1944.—**Michigan, U. S. A. Department of Public Instruction & Michigan Department of Public Health.** Leads to better community health. 28p. 23cm. Lansing, 1943.

MICHIGAN, U. S. A. Department of Public Instruction & CHILDREN'S Fund of Michigan. Health in education; schools, district health departments, and communities cooperate in a school health project, Osceola-Sanilac Counties, 1939–42. 179p. tab. diagr. 23cm. Lansing, 1944.
Forms No. 329, Bull. Dep. Pub. Instr. Michigan.

MICHIGAN, U. S. A. Department of Public Instruction, & DEPARTMENT of Health. Leads to better community health; outcome of the Experimental Community Health Service Project, July, 1943. 28p. illust. 23cm. Lansing, 1943.
Forms No. 328, Bull. Dep. Pub. Instr. Michigan.

MICHIGAN, U. S. A. Department of State. State of Michigan laws relating to public health; revision of 1943. 206p. 23cm. Lansing, Franklin De Klinc Co., 1944.

MICHIGAN, U. S. A. Governor. Progress report. 76p. map. tab. 28cm. Lansing, 1945.

MICHIGAN, U. S. A. Joint Committee on Health Education. The problem solving approach in health teaching. Rev. ed. 37p. 23cm. Lansing, 1943.
Forms No. 326, Bull. Dep. Pub. Instr. Michigan.

—— Experiences in healthful living, developed by teachers. 70p. 27cm. Ann Arb., 1944.
Forms No. 4, School Health Bull.

—— School health bulletin. Ann Arb., No. 4, 1944–

MICHIGAN, U. S. A. Office of Government Reports. Michigan directory of Federal and State agencies. lxvi, 112p. 27cm. Detr. [1942]
Mimeographed.

MICHIGAN, U. S. A. State Board of Health. Bulletin of vital statistics. v.**1–24** [No. 1–3 only] 24v. in 6. tab. 23cm. [var. to 31½cm.] Lansing, 1897/98–1921.
Volumes 1–18 have title: Monthly bulletin of vital statistics.
See also **Michigan, U. S. A. Department of Health.**

MICHIGAN, U. S. A. State Board of Health. Tuberculosis Survey. Report for the twelve months from October 1, 1915, to October 1, 1916. 89p. tab. diagr. 23cm. Lansing, 1917.

MICHIGAN, U. S. A. Stream Control Commission. Second biennial report, 1933/34. 70p. illust. portr. map. tab. diagr. 23cm. Lansing, 1935.
No previous report was published.

MICHIGAN, U. S. A.

See also **Health organization**; also names of Michigan towns.

Michigan, U. S. A. Stream Control Commission. Second biennial report. 70p. 23cm. Lansing, 1935.

Morley, F. Michigan and its resources. 144p. 8° Lansing, 1881.

Dustin, F. Caches of prehistoric artifacts discovered in Saginaw County, Michigan. Papers Michigan Acad. Sc. (1941) 1942, **27:** 505–10.—**Farwell, O. A.** Notes on the Michigan flora. Ibid. (1940) 1941, **26:** 3–20.—**Hanes, C. R.** Additions to the flora of Michigan. Ibid., 21 (1942) 1943, **28:** 37–40.—**McLennan, H.** Sod busting for social work in rural Michigan. Proc. Nat. Conf. Social Work., 1939, **66:** 477–80.—**Quimby, G. I.,** jr. European trade articles as chronological indicators for the archaeology of the historic period in Michigan. Papers Michigan Acad. Sc. (1938) 1939, **24:** pt 4, 25–31, 2 pl.—**Wills, H. M.** Michigan; climatic summary. Yearb. U. S. Dep. Agr., 1941, 914–24.

—— Hospitals and medical services.

Michigan State Medical Society. Committee on Survey of Medical Services and Health Agencies. Report of the Committee ... to the House of Delegates. 174 l. 8° Grand Rapids, 1933.

Flath, C. I. Michigan plan assists hospitals in 1941 Hospital Day program. Hosp. Management, 1941, **52:** No. 4, 15.—**Guide** to medical facilities in Wayne County, Michigan. J. Am. M. Ass., 1938, **110:** 213B–6B.—**Kaiser, B. K.** Michigan acts for public medical care. Med. Care, 1942, **2:** 18–24.—**Lake, G. B.** Michigan's medical center. Clin. Med., 1926, **33:** 317–22.—**Michigan,** hospital and other institutional facilities and services, 1939. Vital Statist. Spec. Rep. U. S., 1941, **13:** 207–16.—**Michigan** medical service. J. Am. M. Ass., 1942, **118:** 653. Also J. Michigan M. Soc., 1942, **41:** 180; 626.—**Michigan's** sanatoria. Health, Lansing, 1941, **28:** No. 1, 3.—**Novy, R. L.** Michigan Medical Service; report of the President. J. Michigan M. Soc., 1944, **43:** 108–16.—**Smith, R. R., Vaughan, J. W., & Marshall, W. H.** Survey of hospital charity in Michigan; community hospitals; university hospitals; preliminary report of the Committee appointed to investigate the charity work of our Michigan hospitals. Ibid., 1927, **26:** Suppl., 1–26.

—— Medical history.

Burr, C. B. Medical history of Michigan. 2v. 829p.; 940p. 8° Minneap., 1930.

Anderson, F. J. The doctor and the newspaper in the territory of Michigan, 1817–1837. J. Hist. M., N. Y., 1947, **2:** 20–47.—**Andrews, E.** The aboriginal physicians of Michigan. Contr. Med. Res. V. C. Vaughan Anniv., 1903, 42–50.—**Fifty** years of public health laboratory service in Michigan. Michigan Pub. Health, 1937, **25:** 197–202.—**Harison, B. D.** The past and present status of the medical profession in Michigan. J. Michigan M. Soc., 1905, **4:** 349–68.—**Huntley, V. F.** Memories of incidents and some of the accidents in the practice of medicine in Michigan nearly fifty years ago. Ibid., 1927, **26:** 521–6.—**Kleinschmidt, E. E.** Pioneer sanitarians in Michigan. Ibid., 1939, **38:** 659–68.—**Le Fevre, G. L.** State society activities. Ibid., 1934, **33:** 120.—**Michigan** health departments win awards in National Health Conservation Contest. Michigan Pub. Health, 1940, **28:** 114.—**Michigan** one hundred years ago. J. Michigan M. Soc., 1927, **26:** 227; 285.—**Penberthy, G. C.** Some significant contributions to the basic sciences made in Michigan. Ibid., 1936, **35:** 627–32.—**Physicians** given honorary degrees. Univ. Hosp. Bull., Ann Arb., 1940, **6:** 59.—**Pino, R. H.** Michigan medicine in these crucial years. Detroit M. News, 1942–43, **34:** No. 18, 5–7.—**Randall, H. E.** One hundred years of medicine in Michigan. J. Michigan M. Soc., 1937, **36:** 973–5.—**Reminiscences.** S. Thomas Hosp. Gaz., Lond., 1943, **41:** 64; 87.—**Selmon, B.** Blackwell footsteps in Michigan. Women in Med., 1940, No. 67, 21–7.—**Slemons, C. C.** Public health progress in Michigan under the Social Security Act. Michigan Pub. Health, 1937, **25:** 111–6.—**Smith, R. R.** Medical education in Michigan. J. Michigan M. Soc., 1934, **33:** 537–9.
—— Michigan and our profession, yesterday and today. Ibid., 1935, **34:** 575–81.—**Story** of public health in Michigan in graphs. Michigan Pub. Health, 1942, **30:** 230.

—— Statistics.

Birth and death rates in Michigan, 1907–36. Michigan Pub. Health, 1937, **25:** 136–43.—**Births** and deaths by months, 1939–40. Ibid., 1940, **28:** 120.—**Births** and deaths in 1933. Ibid., 1934, **22:** 43.—**Deacon, W. J. V.** Principal causes of death in Michigan in 1937 by age and sex groups. Ibid., 1938, **26:** 143–52.—**Deaths,** death rates, births, birth rates, infant mortality, infant mortality rates, maternal mortality, maternal mortality rates, and stillbirths in Michigan, by counties, rural and urban, during the year 1939. Ibid., 1940, **28:** 116–8.—**Diagnostic** examinations by counties, made at Lansing, Grand Rapids, Houghton, and Powers laboratories, for fiscal years of 1938–39 and 1939–40. Annual Rep. Michigan Dep. Health, 1939–40, **68:** 117.—**Michigan** closes a year of good health for the state; births will exceed 100,000 for the first time. Michigan Pub. Health, 1941, **29:** 223.—**Michigan,** summary of vital statistics, 1940. Vital Statist. Spec. Rep. U. S., 1941–42, **14:** 887–910.—**Michigan,** summary of vital statistics, 1941. Ibid., 1943, **18:** 302–14.—**Michigan,** summary of vital statistics, 1944. Ibid., 1946, **24:** 423–41.—**Michigan,** summary of vital statistics, 1945. Ibid., 1947, **26:** 273–83.—**Michigan,** summary of vital statistics, 1946. Ibid., 1948, **28:** 401–18.—**Moyer, H. A.** Health of the State. Michigan Pub. Health, 1939, **27:** 223–6.—**Myers, W. J.** The health of Michigan in 1937. Ibid., 1937, **25:** 239–45.—**Prevalence** of disease, 1940. Ibid., 1940, **28:** 119.—**Vital** statistics summary, Michigan, 1939. Vital Statist. Spec. Rep. U. S., 1940, **10:** 623–54.

MICHIGAN Academy of Science, Arts and Letters. Annual report. Lansing, v.**1** (1894-99) 1900– v.**22** (1920) 1921.

—— Bulletin. Agr. Coll., Mich., v.**1–4**, 1904–09.

—— Papers. N. Y. [&c.] v.**1** (1921) 1923–
See also **Coons, G. H.** The Michigan Academy of Science. Rep. Michigan Acad. Sc., 1920, 1–3.—**McCartney, E. S.** The beginnings and growth of the Michigan Academy of Science, Arts and Letters. Papers Michigan Acad. Sc., 1933, **19:** 1–19.

MICHIGAN Agricultural College [East Lansing]
See **Michigan State College of Agriculture and Applied Science.**

[MICHIGAN] Agricultural Experiment Station. Technical bulletin. East Lansing, No. 8, 1911–

CONTENTS

No. 8. Studies of agglutination reactions in hog cholera during the process of serum production. Giltner, W. 1911.
No. 9. The influence of the products of lactic organisms upon Bacillus typhosus. Northrup, L. Z. 1911.
No. 10. The fermenting capacity of the average single cell of Bacterium lactis acidi. Rahn, O. 1911.
No. 174. The development of mold on cold storage eggs, and methods of control. Mallmann, W. L., & Michael, C. E. 1940.

—— Quarterly bulletin. East Lansing, v.**1**–[**15**] 1918–[33]

—— Memoir bulletin, No. 5. East Lansing, 1943.
See **Chamberlain, F. W.** Atlas of avian anatomy. 213p. 35cm. East Lansing, 1943.

MICHIGAN Anti-tuberculosis Association.
See **Michigan Tuberculosis Association.**

MICHIGAN Association of Osteopathic Physicians and Surgeons. Directory of members. Highland Park, 1949–
Issued in numbers of Osteopathic Bulletin.
See also **Osteopathic (The) bulletin.** Highland Park, v.**14**, 1949–

MICHIGAN Association for the Prevention and Relief of Tuberculosis.
See **Michigan Tuberculosis Association.**

MICHIGAN bacillus.

See under **Corynebacterium.**

[MICHIGAN] **Children's Fund of Michigan.** Annual report. Detr., 2. (1930/31) 1931–

—— Implication of nutrition and public health in the postwar period; the proceedings of a conference held at Detroit, Mich., November 3, 1944. 206p. illust. portr. 23cm. Detr. [1944?]

See also **Michigan, U. S. A. Department of Public Instruction & Children's Fund of Michigan.** Health in education. 179p. 23cm. Lansing, 1944.

[MICHIGAN] **Conference of the Health Officers in Michigan** [2. Conf., 1894] Proceedings. 63p. tab. diagr. 23½cm. Lansing, R. Smith & Co., 1894.

Forms Suppl. to Rep. Michigan Bd Health, 1894.
See also **[Michigan] Sanitary Convention** [&c.]

MICHIGAN Crippled Children Commission. Report. Lansing, 1. (1927/32) 1932–

—— Quadrennial statistical report of services to crippled and afflicted children. Lansing, 1943/47–

MICHIGAN Crippled Children Commission. Afflicted Children Division. Report. Lansing (1932/34) 1934–

MICHIGAN Crippled Children Commission. Crippled Children Division. Report. Lansing (1932/34) 1934–

MICHIGAN Health Council.

See **Foot, Cone & Belding. Research Department, Chicago.** Public relations of the medical profession, State of Michigan; a survey made ... for the Michigan Health Council. 164 l. 29cm. Chic., 1944.

MICHIGAN Historical Records Survey. Vital statistics holdings by government agencies in Michigan; birth records. 166p. 22cm. Detr., 1941.

[MICHIGAN] **Homeopathic Medical Society of the State of Michigan.**

For official organ see **Central Journal of homeopathy.** Chardon, Ohio [&c.] v.4, 1923–

MICHIGAN Hospital Survey Committee. Hospital resources and needs; report. xxiv, 172p. map. tab. ch. 23cm. Battle Creek, Mich., Kellog Found., 1946.

Prepared by the Commission on Hospital Care from data supplied by the Michigan Hospital Survey Committee.

MICHIGAN medical and dental directory; complete directory of physicians, dentists and hospitals in Michigan. Detr., 1945–

MICHIGAN out-of-doors. Ann Arb., v.7–21, 1918–1934.

Continuation of Bulletin of the **Michigan Tuberculosis Association;** continued as **Health,** Lansing.

MICHIGAN public health. Lansing, v.1, 1906–

MICHIGAN Public Health Association.

Michigan Public Health Association celebrates first 21 years. Michigan Pub. Health, 1940, 28: 183–7.

[MICHIGAN] **Sanitary Convention of the State of Michigan.** Proceedings and addresses. Lansing, 37. Conv., 1892–

Forms Suppl. to Rep. Michigan Bd Health.
See also **[Michigan] Conference of the Health Officers** [&c.]

MICHIGAN State Chiropractic Society. Your spine and your health. 12p. 16cm. Detr., 1944.

MICHIGAN State College of Agriculture and Applied Science. Department of Bacteriology and Hygiene. Laboratory manual in general microbiology. xvi, 418p. illust. pl. tab. diagr. form. 20cm. N. Y., J. Wiley & Sons, 1916. Also 3. ed. 472p. 1926.

MICHIGAN State College of Agriculture and Applied Science. Department of Physiology and Pharmacology. A laboratory manual for experimental physiology; rev. 1940, by R. V. Brown and B. B. Roseboom. vi, 61p. 27cm. Ann Arb., Edwards Bros, 1944.

MICHIGAN State College of Agriculture and Applied Science. Experiment Station.

See **[Michigan] Agricultural Experiment Station.**

MICHIGAN State College of Agriculture and Applied Science. Extension division. Bulletin. East Lansing, No. 2, 1916–

CONTENTS

No. 2. The Babcock test. Newlander, C. E. 1916.

MICHIGAN State College of Agriculture and Applied Science. School of Veterinary Medicine. Report. East Lansing, 1937/38–

See also **Group** portrait, veterinary class 1941, Michigan State College. M. S. C. Vet., East Lansing, 1940–41, 1: 80.

MICHIGAN State Dental Society. Journal. Lansing, v.5, 1923–

See also **Dow, T. D.** History of the Michigan State Dental Society. J. Michigan Dent. Soc., 1935, 17: 137; passim.—**Le Gro, A. L.** Michigan State Dental Society. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, 1: 893–900.

MICHIGAN State Medical Society. Journal. Detr., v.1, 1902–

—— Report of the Committee on Survey of Medical Services and Health Agencies to the House of Delegates. viii, 174p. map. diagr. 8° Grand Rapids, 1933.

—— Postgraduate medical education and the needs of the general practitioner. iii, 62 numb. l. [33] l. tab. form. 27cm. Ann Arb., Edwards Bros, 1934.

—— What everyone should know about cancer. 16p. 8° Lansing, 1938.

See also **Cook, H.** The Michigan State Medical Society—a review. J. Michigan M. Soc., 1936, 35: 160–3.—**Cummings, H. H.** President's address. Ibid., 1942, 41: 839.—**Donaldson, W. F.** Review of report of the Committee on Survey of Medical Services and Health Agencies to the House of Delegates, Michigan State Medical Society. J. M. Soc. N. Jersey, 1933, 30: 673–9.—**Grand Rapids,** our 1939 convention city. J. Michigan M. Soc., 1939, 38: 784.—**Jennings, A. F.** Heretofore unpublished records of the Medical Society of the Territory of Michigan. Ibid., 1913, 12: 33; passim.—**Members** of the House of Delegates, 1939; Michigan State Medical Society. Ibid., 1939, 38: 603–6.—**Michigan** State Medical Society past presidents, 1866–1937. Ibid., 684.—**Michigan** State Medical Society, past presidents 1866–1939. Ibid., 1941, 40: 620.—**Michigan** State Medical Society; roster, 1937 [etc.] Ibid., 1937, 36: 303–17; also yearly in subseq. vols.—**Michigan** State Medical Society; 78. annual session; proceeding of House of Delegates, Pantlind Hotel, Grand Rapids, Michigan, September 21–22, 1942. Ibid., 1942, 41: 960–93.—**Outline** of general assembly program, 76. annual meeting, Michigan State Medical Society, Grand Rapids, September 17, 18, 19, 1941. Ibid., 1941, 40: 469.—**Peterson, R.** President's annual address, the past, present and future of the Michigan State Medical Society. Ibid., 1915, 14: 501–14.—**Ranney, G. E.** Retrospect of the early history of the Michigan State Medical Society. Ibid., 517–21.—**Seventy-fifth** (The) annual meeting of the Michigan State Medical Society, Detroit, 1940. Ibid., 1940, 39: 497; passim.—**Seventy-sixth** (The) annual meeting, Grand Rapids, 1941. Ibid., 1941, 40: 717–39.—**State** medical meeting at Grand Rapids. J. Am. M. Ass., 1937, 109: 962.—**Warnshuis, F. C.** The Michigan State Medical Society, its strength and weaknesses. J. Michigan M. Soc., 1934, 33: 125–31.

MICHIGAN State Medical Society & MICHIGAN Department of Health. Cancer; a manual for physicians. vi, 225p. 23½cm. Lansing, 1944.

MICHIGAN State Pharmaceutical Association. Proceedings. Ann Arb., v.1–22, 1883–1902.

Ceased publication with v.39, 1923.
See also **Journal (The) for Michigan druggists.** Detr., v.30, 1942–

MICHIGAN State Sanatorium.

See **Howell, Michigan. Michigan State Sanatorium.**

MICHIGAN State Student Chapter of the American Veterinary Medical Association.

M. S. C. (The) veterinarian. East Lansing, v.1, 1941–

MICHIGAN Tuberculosis Association. Bulletin. Ann Arb., v.2–6, 1913–17.

Continued as **Michigan out-of-door**

—— Posters. Lansing, 1931–

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Eat. 1931.
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TB may hit you. 1945.
You have a share in your town. 1945.

—— The harvest; report of the Executive Secretary. Lansing (1940/41) 1941–

See also **Wolverine health bulletin.** Lansing, v.**3**, 1928–

[MICHIGAN] University of Michigan. Catalogue. Ann Arb., 1854–

—— Death notices, supplementary to General Catalogue of officers and students, 1837–1921. Ann Arb., 1925–

—— Education monographs, No. 3, 1942.

See **Otto, H. J., Barnard, J. D.** [et al.] Community workshops for teachers [&c.] 303p. 24cm. Ann Arb., 1942.

See also **Menezes de Oliveira, R.** A Universidade de Michigan. Hospital, Rio, 1945, **28:** 691–7.—**Origin** (The) and history of the University of Michigan. Phi Chi Q., 1937, **34:** 317–20, illust.—**Smith, R. R.** The University of Michigan. J. Michigan M. Soc., 1934, **33:** 121.

[MICHIGAN] University of Michigan. College of Dental Surgery.

Hoff, N. S. College of Dental Surgery of the University of Michigan. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1:** 472–6.

[MICHIGAN] University of Michigan. Conference on Psychiatry.

For record see **Sladen, F. J.** Psychiatry and the war. 505p. 23½cm. Springf., Ill., 1943.

[MICHIGAN] University of Michigan. Department of Medicine and Surgery.

See **Contributions to medical research,** dedicated to Victor Clarence Vaughan. 620p. 29cm. Ann Arb., 1903.

[MICHIGAN] University of Michigan. Department of Obstetrics and Gynecology. Contributions. Ann Arb., v.**1–6,** 1893–1928.

[MICHIGAN] University of Michigan. Department of Physical Education for Women. Physical education activities for high school girls. xii, 322p. pl. 8° Phila., Lea & Febiger, 1928.

[MICHIGAN] University of Michigan. Division of Hygiene and Public Health. Public health reviews. Ann Arb., v.**1–10,** 1932–41.

[MICHIGAN] University of Michigan. General Library.

See **Bishop, W. W.** A preliminary checklist of American copies of Short title catalog books. 173p. 27½cm. Ann Arb., 1941.—**Spaulding, T. M., & Karpinski, L. C.** Early military books in the University of Michigan libraries. 45p. 29cm. Ann Arb., 1941.

[MICHIGAN] University of Michigan. Health Service. Report. Ann Arb. (1942/43) 1944–

Published as numbers of University of Michigan Official Publication.

—— College student health tables, health service, 1913–1942. 66p. 23cm. Ann Arb., 1945.

Forms No. 119, v.**46,** Univ. Michigan Off. Pub.

—— Monthly report. Ann Arb., Apr. 1946–

[MICHIGAN] University of Michigan. Laboratory of Vertebrate Biology. Contributions. Ann Arb., No. 1, 1936–

Title varies: Nos 1–19, 1936–42, Contributions from the Laboratory of Vertebrate Genetics.

CONTENTS

No. 1. The estrous cycle of the deer-mouse, Peromyscus maniculatus. Clark, F. H. 1936.

No. 2. The estrous cycle of the cotton-rat, Sigmodon hispidus. Clark, F. H. 1936.

No. 3. A graphic method for comparing several sets of measurements. Dice, L. R., & Leraas, H. J. 1936.

No. 4. Fertility relations in the Peromyscus leucopus group of mice. Dice, L. R. 1937.

No. 5. Partial infertility between two members of the Peromyscus truei group of mice. Dice, L. R., & Watson, M. L. 1937.

No. 6. Variation in Peromyscus maniculatus osgoodi from the Uinta Mountains, Utah. Leraas, H. J. 1938.

No. 7. Inheritance and linkage relations of mutant characters in the deer mouse, Peromyscus maniculatus. Clark, F. H. 1938.

No. 8. Variation in the cactus-mouse, Peromyscus eremicus. Dice, L. R. 1939.

No. 9. Variation in the wood-mouse, Peromyscus leucopus, from several localities in New England and Nova Scotia Dice, L. R. 1939.

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No. 12. Variation in the deer-mouse (Peromyscus maniculatus) in the Columbia Basin of southeastern Washington and adjacent Idaho and Oregon. Dice, L. R. 1939.

No. 13. Intergradation between two subspecies of deer-mouse (Peromyscus maniculatus) across North Dakota. Dice, L. R. 1940.

No. 14. The theoretical effectiveness of adverse selection. Dice, L. R. 1940.

No. 15. Variation of the deer-mouse (Peromyscus maniculatus) on the sand hills of Nebraska and adjacent areas. Dice, L. R. 1941.

No. 16. Color variation in the spotted ground squirrels of the Tularosa Basin, New Mexico. Blair, W. F. 1941.

No. 17. The small mammal population of a hardwood forest in northern Michigan. Blair, W. F. 1941.

No. 18. Variation in the deer-mouse, Peromyscus maniculatus, in parts of Oregon, California, and Baja California. Dice, L. R. 1941.

No. 19. Variation in the deer-mouse (Peromyscus maniculatus) of the Bad Lands and Black Hills of South Dakota and Wyoming. Dice, L. R. 1942.

No. 20. Ecological distribution of mammals in the Tularosa Basin, New Mexico. Blair, W. F. 1943.

No. 21. Population of the deer-mouse and associated small mammals in the Mesquite Association of southern New Mexico. Blair, W. F. 1943.

No. 22. Hybridization in nature between species of catostomid fishes. Hubbs, C. L., Hubbs, L. C., & Johnson, R. E. 1943.

No. 23. Hybridization in nature between species of American cyprinodont fishes. Hubbs, C. L., Walker, B. W., & Johnson, R. E. 1943.

No. 24. Biological and morphological distinctness of a previously undescribed species of the Peromyscus truei group from Texas. Blair, W. F. 1943.

No. 25. Inheritance of the white-cheek character in mice of the genus Peromyscus. Blair, W. F. 1944.

No. 26. Experimental evidence of sexual isolation between three forms of mice of the cenospecies Peromyscus maniculatus. Blair, W. F., & Howard, W. E. 1944.

No. 27. The inheritance of eye color in man. Hughes, B. O. 1944.

No. 28. Variation of the deer-mouse (Peromyscus maniculatus) in parts of Idaho, Montana, Utah, and Wyoming. Dice, L. R. 1944.

No. 29. Serological differences in the genus Peromyscus demonstrable with normal human sera. Cotterman, C. W 1944.

No. 30. Variation of the deer-mouse (Peromyscus maniculatus) in a mountainous area of southern New Mexico. Dice, L. R. 1944.

No. 31. Speciation in limpets of the genus Acmaea. Test, A. R. G. 1946.

No. 32. Occurrence of parallel series of associated physiological and morphological characters in diverse groups of mosquitoes and other insects. Hovanitz, W. 1947.

No. 33. A weighting system for the estimation of gene frequencies from family records. Cotterman, C. W. 1947.

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No. 36. Estimated frequencies of the buff and gray genes (G, g) in adjacent populations of deer-mice (Peromyscus maniculatus blandus) living on soils of different colors. Blair, W. F. 1947.

No. 37. Variation in shade of pelage of local populations of the cactus-mouse (Peromyscus eremicus) in the Tularosa Basin and adjacent areas of Southern New Mexico. Blair, W. F. 1947.

No. 38. The occurrence of buff and gray pelage in widely

separated geographic races of the deer-mouse (Peromyscus maniculatus) Blair, W. F. 1947.

No. 39. Cellular antigens in three stocks of Peromyscus maniculatus from the Columbia River Valley. Moody, P. A. 1948.

No. 40. Variation in the pygmy mouse (Baiomys taylori) from Texas and Arizona. Blair, W. F., & Blossom, P. M. 1948.

No. 41. Differences in the field activity of two female color phases of Colias butterflies at various times of the day. Ilovanitz, W. H. 1948.

No. 42. Occurrence of neoplasms in three related individuals of laboratory-bred Peromyscus. Fliegelman, M. T., & Harris, V. T. 1948.

—— Report. Ann Arb. (1943/44) 1944–

[MICHIGAN] University of Michigan. Laboratory of Vertebrate Genetics.

See **[Michigan] University of Michigan. Laboratory of Vertebrate Biology.**

[MICHIGAN] University of Michigan. Medical School. Announcement. Ann Arb., No. 1. (1850/51) 1850–

—— Demonstration course in obstetrics. 82p. 4°. Ann Arb., Edwards Bros, 1926.

—— Medical incunabula in the Library of the University of Michigan Medical School. p.110–3. 28cm. N. Y., P. Hoeber, 1931.

Also Ann. M. Hist., 1931, n. ser., **3:**

—— Lectures. Ann Arb., No. 1 (1943) 1944–

CONTENTS

No. 1. The origin of overt behavior. Hooker, D. 1944.

See also **Jackson, G. H.,** jr. Some early printed documents of the Medical Department of the University of Michigan. J. Michigan M. Soc., 1932, **31:** 28–32.—**Mayo, W. J.** Recollections of the Medical School of the University of Michigan in 1880–83. Collect. Papers Mayo Clin., 1937, **29:** 935–7.—**Medical** (The) Faculty of the University of Michigan, engraved for the class of 1851–52. See portrait collection in Library.—**Novy, F. G.** A brief history of the University of Michigan Medical School. Univ. Hosp. Bull., Ann Arb., 1936, **2:** 13; 22. Also Phi Chi Q., 1937, **34:** 323–8, illust.—**University** of Michigan medical buildings [Illust.] Nu Sigma Nu Bull., 1942, **31:** 12.

[MICHIGAN] University of Michigan. Medical School. Department of Roentgenology. Introduction to radiology. Pt 1: Diagnostic roentgenology. vii, 170p. 21cm. Ann Arb., Edwards Bros, 1937.

[MICHIGAN] University of Michigan. Museum of Anthropology. Occasional contributions. Ann Arb., No. 5, 1936–

CONTENTS

No. 5. Perforated Indian crania in Michigan. Hinsdale, W. B., & Greenman, E. F. 1936.

[MICHIGAN] University of Michigan. Museum of Zoology. Occasional papers. Ann Arb., No. 145, 1923–

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No. 145. Two new freshwater snails from Michigan. Winslow, M. L.

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No. 424. A new pocket gopher from Lower California, Mexico. Burt, W. H.

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No. 491. The nest of the antbird Gymnopithys bicolor bicolor. Van Tyne, J.

[MICHIGAN] University of Michigan. Museum of Zoology. Miscellaneous publications. Ann Arb., No. 54, 1943–

CONTENTS

No. 54. The ecology of the Orthoptera and Dermaptera of the George Reserve, Michigan. Cantrall, I. J. 1943.

No. 55. Birds from the Gulf lowlands of southern Mexico. Brodkorb, P. 1943.

No. 56. Taxonomic and geographic comments on Guatemalan salamanders of the genus Oedipus. Stuart, L. C. 1943.

No. 57. The Amnicolidae of Michigan; distribution, ecology, and taxonomy. Berry, E. G. 1943.

No. 62. Monograph of the family Mordellidae (Coleoptera) of North America, north of Mexico. Liljeblad, E. 1945.

No. 63. Phylogenetic position of the Citharidae, a family of flatfishes. Hubbs, C. L. 1945.

No. 64. Goniobasis livescens of Michigan. Goodrich, C. 1945.

[MICHIGAN] University of Michigan. Museums. Memoirs. 2v. 4° Ann Arb., 1928–29.

CONTENTS

v.1. Whip snakes and racers; genera Masticophis and Coluber. Ortenburger, A. I. 1928.

v.2. Description of the skull of a new form of phytosaur. Case, E. C. 1929.

[MICHIGAN] University of Michigan. Pathological Laboratory. Contributions. Ann Arb., v.**1**, 1896–

[MICHIGAN] University of Michigan. School of Public Health. News letter. Ann Arb., v.**2**, 1942–

—— Dedicatory addresses. 56p. diagr. 23½cm. Ann Arb., 1944.

—— Announcements. Ann Arb., 1944/45–

See also **Public** Health School at University of Michigan will be expanded on Kellogg and Rockefeller grants of $1,000,000. Michigan Pub. Health, 1941, **29**: 23–5.

[MICHIGAN] University of Michigan. School of Public Health. Bureau of Public Health Economics. Research series. Ann Arb., No. 1, 1944–

CONTENTS

No. 1. State enabling legislation for non-profit hospital and medical plans, 1944. Anderson, O. W. 1944.

No. 2. Administration of medical care. Anderson, O. W. 1947.

No. 3. E M I C (Emergency Maternity and Infant Care) Sinai, N., & Anderson, O. W. 1948.

See also **Public health economics.** Ann Arb., v.**1**, 1944–

[MICHIGAN] University of Michigan. School of Public Health. Health Conferences.

See **[United States] National Conference on Local Health, Units** [1946, Ann Arbor]

[MICHIGAN] University of Michigan. University Health Services. Monthly report. Ann Arb., 1946–

[MICHIGAN] University of Michigan. University Hospital.

See **Ann Arbor, Mich. University Hospital [University of Michigan Hospital]**

[MICHIGAN] University of Michigan. William L. Clements Library of American History. Four letters of Alexis St Martin. 8p. facs. 21cm. Ann Arb., 1937.

Forms No. 26, Bull. William L. Clements Libr.

[MICHIGAN] University of Michigan Pediatric and Infectious Disease Society [Ann Arbor] Transactions. 3v. in 1. 27½cm. Ann Arb., 1927–29.

MICHIGAN virus.

See **Phagus;** also **Streptococcus,** Bacteriophage.

MICHILOT Castro, Luis Federico, –1942.

For obituary see Rev. san. mil., Lima, 1942, **15**: 121.

MICHLER, Leonhard, 1906– *Vergleichende Untersuchungen über das Deufa-Metall und die Esge-Silbergusslegierung (Würzburger Weissmetall) mit besonderer Berücksichtigung der Verwendungsmöglichkeit für die zahnärztliche Praxis. 32p. 8° Würzb., K. Triltsch, 1934.

MICHMANN, Julius, 1909– *Ueber einen Fall von sogenannter primärer Actinomycose des Gehirns [München] 38p. 8° Erlangen, M. Krahl, 1933.

MICHNA, Charles Theodore, 1906– *Mechanical venoclysis as used in a series of nineteen moribund cases [Marquette Univ.] 24p. 28cm. Milwaukee, n. p., 1933.

Typewritten.

MICHOACAN, Mex. Congreso. Código sanitario del Estado de Michoacán de Ocampo. 63p. 19½cm. Morelia, P. Díaz, 1909.

MICHOACAN.

See also **Mexico.**

Loaiza Salazar, A. Informe sanitario sobre el municipio de Villa Jiménez, Michoacán. Medicina, Méx., 1944, **24**: Suppl., 7; 19; 27.—**Oviedo Mota, A.** Algunas generalidades sobre geografía médica del Estado de Michoacán. Rev. As. méd. mex., 1934, **10**: 115–23.

MICHON, Edouard, 1868– & **MICHON, Louis.** Pratique urologique chirurgicale. 247p. pl. 8° Par., G. Doin & cie, 1931.

MICHON, Henri, 1914– *Etude critique des indications thérapeutiques dans les fractures du plateau tibial. 39p. 25½cm. Lyon, Bosc fr., 1939.

MICHON, Louis [M. D., 1919, Paris]
See **Michon, E., & Michon, L.** Pratique urologique chirurgicale. 247p. 8° Par., 1931.

MICHON, Louis [M. D., 1923, Lyon]
See **Angirany, J., Michon, L., & Micheaux, A. L. de.** La thoracoplastie élective: primitive, d'association, de substitution. 127p. 23cm. Par., 1940.

MICHON, Louis Marie Edouard Joseph.
See **Michon, Edouard,** 1868–

MICHON, Maurice, 1917– *Considérations sur l'étiologie et l'anatomie de la maladie de Dupuytren. 54p. 24cm. Par., R. Foulon, 1944.

MICHON, Paul [M. D., 1924, Nancy] Les groupes sanguins; schémas et applications pratiques; la transfusion sanguine, technique et indications. 119p. illust. 8° Par., Masson & cie, 1930.

—— Le temps de réaction; techniques, applications cliniques. 98p. illust. tab. 20cm. Par., Masson & cie, 1939.

—— Introduction à la clinique médicale; appareil respiratoire, appareil circulatoire. 294p. illust. diagr. 22cm. Par., Masson & cie, 1947.

MICHON-ADJOUBEL, Robert, 1914– *Les vulvo-vaginites à Trichomonas. 54p. 24cm. Par., M. Vigné, 1939.

MICHOT, René, 1916– *L'organisation médicale dans les houillères du Nord et du Pas-de-Calais. 4 p. l., 112p. 24cm. Lille, Impr. centr. Nord, 1942.

MICHOT-PETRINET.
Pseudonym of **Nisard, Marie Léonard Charles de.**

MICHOTTE, A., 1881–
Editor of **Louvain. Institut supérieur de philosophie.** Etudes de psychologie. Louvain, v.4, 1935–

MICHOVIUS, Dorothea Gertrud, 1908– *Vergiftungen mit Oleum Chenopodii anthelminthici. 20p. 8° Würzb., C. Nieft, 1935.

MICHRIKI, Joseph [M. D., 1937, Lausanne] *Remarques sur la pronation douloureuse des jeunes enfants. 16p. 23cm. Lausanne, Impr. Held, 1937.

MICHURIN, Ivan Vladimirovich, 1855–1935.
Jakovlev, P. N. [I. V. Michurin, and principal trends of the work of the Michurin Central Genetic Laboratory] Usp. sovrem. biol., 1940, **12:** 529–44, portr.

MICHY, Jacques, 1908– *Acanthosis nigricans et ses rapports avec les tumeurs malignes. 110p. pl. 8° Par., Jouve & cie, 1932.

MICIEŁOWSKA, Eugénie, 1907– *Contribution à l'étude de la dysménorrhée. 111p. 8° Par., Jouve & cie., 1938.

MICINIC, Nina, 1908– *Contribution à l'étude de glaires claires dans fécondation. 52p. 8° Par., L. Rodstein, 1937.

MICKELBERG, Arthur. *Considerações em tôrno do emprêgo do aparêlho de Caldwell nas fracturas umerais. 1p. l., 179p. illust. pl. tab. 23½cm. Porto Alegre, Livr. continente, 1945.

MICKELSEN, Olaf, 1912–
Joint author of **Keys, A. B., Brozek, J.** [et al.] Experimental starvation in man. 48p. 23cm. Minneap., 1945.—**Keys, A. B., Taylor, H. L.** [et al.] Rehabilitation following experimental starvation in man. 124p. 25½cm. Minneap., 1946.

MICKEVICH, Sergei Ivanovich, 1869–1944.
For obituary see Hig. san., Moskva, 1945, **10:** No. 3, 38–40. Also Sovet. zdravoohr., 1945, 52–6 (Barsukov, M. I.)

MICKEY, Karl B. Health from the ground up. 125p. 25½cm. Chic., Internat. Harvester Co., 1946.

MICKLEY, Kurt, 1902– *Die dentalen Infektionen und die Rolle der Zahnextraktion bei diesen Processen. 64p. 8° Greifsw., H. Adler, 1931.

MICKLINGHOFF, El. Rezepte und tägliche Speisenfolgen für alle Jahreszeiten. p.113–82. 22½cm. Stuttg., 1937.
In: Neuzeitl. Diät Zuckerk. (Micklinghoff-Malten, B.) Stuttg., 1937.

MICKLINGHOFF-MALTEN, Bernhardine. Neuzeitliche Diät für Zuckerkranke. 182p. tab. diagr. 22½cm. Stuttg., Süddeut. Verlagshaus, 1937.

MICKNAT, Günther, 1911– *Pemphigus der Conjunktiva oder essentielle Schrumpfung der Bindehaut des Auges. 20p. 21½cm. Köln, J. Borowsky, 1936.

MICKS, Robert Henry, 1895– The essentials of materia medica, pharmacology and therapeutics. xii, 395p. 8° Lond., J. & A. Churchill, 1935. Also 2. ed. 378p. 1938. Also 3. ed. 426p. 1943. Also 4. ed. 399p. 1947.

MICLOT, André, 1913– *La place de la gastrectomie pour exclusion dans le traitement chirurgical des ulcères hémorragiques graves loin situés sur le duodénum. 95p. 25½cm. Lyon, Bosc fr., 1938.

MICOUD, Robert, 1905– *Contribution méthodologique à l'investigation clinique du fonds mental [Paris] 117p. 8° Cahors, A. Coueslant, 1936.

MICR ... or micro ...

For additional members of this series of compound terms see also under basic nouns; for abnormalities of size see under names of organs and parts of body.

MICRACINAE.

See also **Coleoptera.**
Blackman, M. W. New genera and species of bark beetles of the subfamily Micracinae (Scolytidae, Coleoptera) Proc. U. S. Nat. Mus., 1943, **93:** 341–65, 2 pl.

MICRATHENEA.

See also **Arachnida.**
Mello-Leitão. Notas sobre as micratheneas do Brasil. An. Acad. brasil. cienc., 1932, **4:** 73–97, 2 pl.

MICRELAPS.

See under **Colubridae.**

MICRENCEPHALY.

See under **Brain,** Abnormities.

MICROANALYSIS.

See **Analysis** (chemical) micro; also **Microchemistry,** Methods.

MICROBABESIA [1918 Sohns]

See **Babesia.**

MICROBACTERIUM.

See also **Lactobacilleae; Lactobacteriaceae.**
Doetsch, R. N., & Pelczar, M. J., jr. Nutritional requirements of Microbacterium lacticum. J. Bact., Balt., 1947, **54:** 18. —— Vitamin requirements of Microbacterium lacticum Orla-Jensen. Science, 1947, **106:** 524. —— The Microbacteria; morphological and physiological characteristics. J. Bact., Balt., 1948, **56:** 37–49.—**Speck, M. L.** The occurrence and characterization of the genus Microbacterium. Ibid., 1943, **45:** 50 (Abstr.)

—— M. multiforme.

See **Ornithosis.**

MICROBALANCE.

See also **Scales; Weights and measures.**

Brill, O., & Evans, C. de B. The use of the micro-balance for the determination of electrochemical equivalents and for the measurement of densities of solids. J. Chem. Soc., Lond., 1908, 1442–6.—**Corner, M., & Hunter, H.** Some observations on the precision of weighing with microchemical balances. Analyst, Lond., 1941, **66:** 149–54.—**Gulbransen, E. A.** A vacuum microbalance for the study of chemical reactions on metals. Rev. Sc. Instrum., 1944, **15:** 201–4.—**Harkins, W. D., & Anderson, T. F.** A simple accurate film balance of the vertical type for biological and chemical work, and a theoretical and experimental comparison with the horizontal type; tight packing of a monolayer by ions. J. Am. Chem. Soc., 1937, **59:** 2189–97.—**Hartung, E. J.** Studies with the microbalance; the filtration and estimation of very small amounts of material. J. Chem. Soc., Lond., 1926, 840–8.—**Marlow, D.** An electronic phase indicator for electrical balancing machines. Rev. Sc. Instrum., 1939, **10:** 128–30.—**Waag, R.** Die Ultrawage. Umschau, 1926, **30:** 115–7.

MICROBE [1878 SÉDILLOT]

See also **Bacteria,** pathogenic; **Fungi** subheadings (parasitic; pathogenic) **Protozoa,** pathogenic; **Vira;** also **Microbiology; Microorganism; Microparasitology;** also such terms as **Infection; Microbism; Opsonin; Phagocytosis; Toxin,** etc.

BAYNE-JONES, S. Man and microbes. 128p. 19cm. Balt., 1932.

BIGGER, J. W. Man against microbe. 304p. 20cm. N. Y., 1939.

BOIVIN, A. Les microbes. 128p. 17½cm. Par., 1942.

EBERSON, F. The microbe's challenge. 354p. 26cm. Lancaster, 1941.

NICOL, H. Microbes by the million. 247p. 18cm. Harmondsworth, 1939.

PARK, W. H., & WILLIAMS, A. W. Who's who among the microbes. 302p. 8° N. Y., 1929.

PETER, W. W. Mastodons, microbes and man. 2. ed. 27p. 8° N. Y., 1931.

VENZMER, G. El hombre vence a los microbios; la lucha contra un mundo infinitamente pequeño. 272p. 21cm. Barcel., 1943.

Argil, G. Bacterias, rickettsias y virus. Rev. méd. Hosp. gen., Méx., 1945–46, **8:** 352.—**Buist, J. B.** Recent advances in our knowledge of some pathogenic micro-organisms. Proc. Scot. Micr. Soc., 1899–1903, **3:** 57–72.—**Egmont, T.** Pathogenic micro-organisms (caricature) Interne, N. Y., 1943, **9:** 93.—**Forns & Mayoral.** Tamaño, forma y composición de los microbios. Rev. espec. méd., Madr., 1909, **12:** 313–25. ——— Distribución de los microorganismos en la naturaleza; los microbios del suelo, del agua, del aire y de los objetos inertes. Ibid., 1910, **13:** 5–21.—**Freitas, O. de.** Considerações geraes sobre os microbios. J. med. Pernambuco, 1906, **2:** 49.—**Gelonesi, G.** I microbi invisibili. Ann. med. nav., Roma, 1937, **43:** pt 1, 207–16.—**Hauduroy.** Les microbes invisibles. Sciences, Par., 1937, **65:** 197–201.—**Jiménez Núñez, R.** El gran mundo microbiano. Rev. méd., S. José, 1933–35, **1:** 392–403.—**Kluyver, A. J.** [The microbe world; past, present and future] Antonie van Leeuwenhoek, Amst., 1936, **3:** 110–33.—**Lyra, A.** Incertezas da medicina; reflexões sobre micróbios e microzimas. Hospital, Rio, 1942, **22:** 973–8.—**Martin, L.** Description de microbes nouveaux. C. rend. Soc. biol., 1915, **78:** 349.—**Moncrieff, A.** Miracles and microbes. Middlesex Hosp. J., 1936, **36:** 137.—**Olivier, H. R.** Qu'est-ce donc qu'un microbe? In his Microbes en déroute, Par., 1946, 15–26.—**Rísquez, F. A.** El papel de los microbios. Rev. espec. méd., Madr., 1910, **13:** 257–60.—**Thompson, R.** The nature, form and structure of living disease agents. In: Agents of Disease (Gay, F. P.) Springf., 1935, 148–70.—**Thomson, D.** The germs which inhabit the human body as revealed by microphotography. Cath. M. Guard., Lond., 1939–40, **17:** 240–3.—**Waksman, S. A.** Microbes in a changing world. Sc. Month., 1940, **51:** 422–7.

—— Antagonism.

See also **Bacteria,** Antagonism; also in 5. ser., **Antibiosis; Antibiotic.**

Armijo, E. Notas sobre antagonismo microbiano. Bol. Inst. bact. Chile, 1943, **2:** 97–102.—**Broch, P.** Les sécrétions antibiotiques d'origine microbienne. Médecin fr., 1948, **8:** 37–41.—**Florey, H. W.** Steps leading to the therapeutic application of microbial antagonisms. Brit. M. Bull., 1946, **4:** 248–58.—**Gratia, A.** Application de la culture sur cellophane à l'étude et à la production des antagonismes microbiens. C. rend. Soc. biol., 1944, **138:** 893.—**Kelner, A.** A method for investigating large microbial populations for antibiotic activity. J. Bact., Balt., 1948, **56:** 157–62.—**Manil, P.** Phénomènes d'antagonisme microbien; actions inhibitrices exercées par des filtrats de culture de quelques champignons. Acta biol. belg., 1941, **1:** 509–12. ——— Phénomènes d'antagonisme microbien; réactions mutuelles de quelques moisissures, sur plaques de Petri. Ibid., 512–4. ——— Un cas particulier d'antagonisme microbien. Ibid., 1942, **2:** 397–9.—**Nakhimson, L. I.** [On the nature of microbic antagonism] J. mikrob., Moskva, 1937, **19:** 616–20.—**Ramon, G., & Richou, R.** De l'antagonisme microbien; étude expérimentale; réaction entre les complexes antagonistes issus des cultures de Penicillium notatum et d'Actinomyces griseus et mélangés entre la pénicilline et la streptomycine associées dans une même solution. Rev. immun., Par., 1947, **11:** 140–52.—**Sangiorgi, G.** Antagonismo microbico e sua applicazioni pratiche. Gior. med., Palermo, 1945, **2:** 420–8.

—— Association.

See also **Symbiosis.**

PAPACOSTAS, G., & GATÉ, J. Les associations microbiennes; leurs applications thérapeutiques. 438p. 12° Par., 1928.

Redaelli, P. Sul significato del commensalismo microbico. Athena, Roma, 1938, **7:** 206–8.—**Welsch, M.** Les associations microbiennes. Rev. belge path., 1947, **18:** 11–4.

—— Cultivation.

See also **Bacteria,** Cultivation; **Microbiophotometry.**

Arloing, F., Thévenot, L., & Viallier, J. Influence de la connexion électrique avec la terre sur le développement de cultures microbiennes variées et sur diverses fermentations. C. rend. Soc. biol., 1939, **130:** 365–7.—**Battaglia, M.** Les nouveau milieux eutrophiques pour l'étude et la conservation des microorganismes pathogènes. Boll. Sez. ital. Soc. internaz. microb., 1937, **9:** 273–6.—**Berthelot, A., & Amoureux, G.** Remarques sur l'emploi de sels d'acides gras comme régulateurs de la réaction des cultures microbiennes. Bull. Soc. chim. biol., Par., 1932, **14:** 286–9.—**Cappelli, E.** Su una peculiare reazione osservata nelle culture microbiche per l'aggiunta di nitrato di sodio e di composti sulfamidici. Boll. Soc. ital. biol. sper., 1947, **23:** 1224.—**Castellani, E.** Action de quelques formes microbiennes en culture pure sur l'absorption polaire du sol. Boll. Sez. ital. Soc. internaz. microb., 1936, **8:** 197–201.—**Debiesse, J.** Spectres d'absorption et pH de bouillons microbiens. Arch. Inst. Pasteur Tunis, 1937, **26:** 714–22. Also C. rend. Acad. sc., 1937, **205:** 656–8.—**Fredericq, P.** Sur l'apparition de cristaux dans les cultures microbiennes. C. rend. Soc. biol., 1946, **140:** 792–5. ——— Facteurs déterminant l'apparition de cristaux de phosphate ammoniaco-magnésien dans les cultures microbiennes. Ibid., 795–7.—**Fuhrmann, F.** Eine normierte Universal-Zuchteinrichtung für flüssige Mikrobenkulturen. Zbl. Bakt., 2. Abt., 1942–43, **105:** 97–109.—**Grossowicz, N., & Kligler, I. J.** A simplified medium for pathogenic organisms. Am. J. Pub. Health, 1942, **32:** 745–7.—**Guillot, M.** Critères physiques d'homogénéité d'une culture de microbes vivants. C. rend. Soc. biol., 1942, **136:** 720.—**Kofínck, J., & Babička, J.** Polarographische Analyse der Mikrobenkulturflüssigkeiten. Zbl. Bakt., 2. Abt., 1933–34, **89:** 497–501.—**Lanza, G.** L'uso dell'agar al rosso-Congo glicerinato per svelare il potere glicerinolitico dei microbi. Gior. batt. immun., 1936, **16:** 593–603.—**Le Guyon, R. F.** Appareil pour cultures microbiennes en ultrafiltration ou en dialyse. C. rend. Soc. biol., 1931, **106:** 242–4.—**Levin, B. S., & Olitzki, L.** Diminution de l'action pathogène de quelques souches microbiennes cultivées dans un milieu lécithiné. C. rend. Acad. sc., 1937, **205:** 1261–4.—**McBurney, R., & Cason, L. R.** Use of splenic infusion as a base for growing certain pathogenic microorganisms. J. Laborat. Clin. M., 1948, **33:** 1037–43.—**Mikhailova, Z. I., & Skrynnik, P.** [Pea medium for microbe culture] J. mikrob., Moskva, 1936, **17:** 440–7.—**Petragnani, G.** Scatola metallica razionale per la coltura a piatto dei microbi, aerobi ed anaerobi. Boll. Ist. sieroter. milan., 1940, **19:** 51–63, incl. pl.—**Pozerski, E.** La végétation de quelques microbes sur des milieux contenant, comme source azotée, de l'ovalbumine préalablement chauffée à diverses températures. C. rend. Soc. biol., 1936, **122:** 909; 1038. ——— Essai de culture microbienne dans un milieu dont la source de carbone est uniquement constituée par du stéarate de sodium. Ibid., 1937, **126:** 972–4.—**Régnier, J., & Lambin, S.** Etude sur le croît microbien en fonction de la quantité de substance nutritive des milieux de culture. C. rend. Acad. sc., 1938, **207:** 1263–6.—**Rousseau, E.** Formes microbiennes involutives apparues dans un milieu contenant du cholestérol colloïde. C. rend. Soc. biol., 1941, **135:** 569.—**Savateev, A., Ploskirev, N. P.** [et al.] [Growth of microbes on media from food-manufacturing refuse] J. mikrob., Moskva, 1941, No. 2, 105–10.—**Scudder, S. A.** The preparation of a synthetic medium for the study of pathogenic organisms. Canad. J. M. Techn., 1942–43, **4:** 19.—**Spirina, S. A., Kassirskaia, E. G., & Mogilevskaia, F. A.** [Application of hydrolysates for microbic cultures] In: Tr. Endokr. otdel. Obedin. poliklin., Moskva, 1936, 58–74.—**Zeetti, R.** Il decotto di grano come terreno colturale per i comuni microrganismi patogeni. Riv. biol., 1939, **27:** 268–78.—**Zironi, A., & Carlinfanti, E.** Ueber den Einfluss einiger Faktoren auf den biostatischen Komplex in flüssigen Mikrobenkulturen. Zbl. Bakt., 1. Abt., 1942, **148:** 245–56.

—— Effect of various agents.

See also **Microbicide.**

MURJAS, R. *Sur le développement de quelques germes en présence des premiers termes des alcools acycliques [Pharm.] 83p. 24½cm. Marseille, 1934.

NEIPP, L. De l'influence de divers cations sur le croît microbien. 430p. 8° Par., 1937.

Baptista Ramires, A. Degradação microbiana; decadência progressiva na actividade dos lácto-fermentos empregados em caldo. Impr. méd., Lisb., 1936, **2**: 32–4. ——— Degradação microbiana; influências diversas, comprometendo uma acção notável. Ibid., 217.—**Bedeutung** (Die) von Vitaminen und Wuchsstoffen für die pathogenen Mikroorganismen. Praxis, Bern, 1943, **32**: 458.—**Blitstein, I.** Recherches sur les facteurs qui inhibent la prolifération microbienne in vitro. Ann. méd., Par., 1931, **30**: 262–71.—**Castellana, A., & Fisichella, G. B.** Contributo allo studio della influenza del cloruro di sodio sullo sviluppo e vitalità di microrganismi patogeni. Boll. Ist. sieroter. milan., 1941, **20**: 87–95.—**Davis, J. G.** A comparison of the growth-activating effects on Streptococcus and Lactobacillus of various yeast preparations, with a note on the use of litmus as an indicator. J. Path. Bact., Lond., 1937, **45**: 367–76.—**Diénert, F.** Acclimatation des microbes aux arséniates. C. rend. Acad. sc., 1947, **225**: 1394.—**Dubois, A., & Ballion, M.** Les huiles protègent les microbes contre l'action de la chaleur. C. rend. Soc. biol., 1940, **133**: 448.—**Einaudi, M.** Contributo allo studio della virulenza dei germi. Gior. batt. immun., 1936, **17**: 788–804.—**Grabar, P., & Rouyer, M.** La désintégration des microbes par les ultrasons. Ann. Inst. Pasteur, Par., 1945, **71**: 154–7.—**Graffar, M.** La lyse microbienne en tube scellé et les facteurs qui la favorisent. Arch. internat. méd. exp., Liége, 1936–37, **11**: 521–8.—**Jettmar, H. M.** Ueber die Lebensdauer angetrockneter Mikroben (Tamponmethode) Wien. med. Wschr., 1947, **97**: 465–7.—**Jordan, P.** Theoretische Untersuchungen über die Tötung von Mikroben durch Strahlungen. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 263.—**Lea, D. E.** The action of radiations on viruses and bacteria. Brit. M. Bull., 1946, **4**: 24–6.—**Lichstein, H. C.** The effect of sodium azide on microbic respiration. Univ. Hosp. Bull., Ann Arb., 1943, **9**: 35.—**McDaniel, L. E., Woolley, D. W., & Peterson, W. H.** Growth factors for bacteria; nutrient requirements of certain butyl-alcohol-producing bacteria. J. Bact., Balt., 1939, **37**: 259–68.—**Mazzaracchio, V.** La conservazione dei microbi mediante l'essiccamento. Rendic. Ist. san. pubb., Roma, 1939, **2**: 861–6, pl.—**Nélis, P.** L'action in vitro des mélanges vaseline-lanoline sur la vitalité de quelques espèces microbiennes. C. rend. Soc. biol., 1938, **127**: 1423–5.—**Paulian, D., & Bistriceanu, I.** [Effect of ultra-short waves on the culture of microbes] România med., 1937, **15**: 117.—**Pozerski, E., & Guélin, A.** De l'action antigélatinolytique du sérum normal de cheval ajouté à des cultures de microbes anaérobies ou à leurs filtrats. C. rend. Soc. biol., 1938, **128**: 989.—**Remlinger, P.** Conférence sur les microbes ablastocinèthes; le phénomène d'Antée; les chromo-vaccins. Maroc méd., 1945, **24**: 121–4. Also Med. españ., 1945, **8**: 431–4.—**Rubentschik, L., & Chait, S. S.** Etude sur la vitalité des microbes. Ann. Inst. Pasteur, Par., 1937, **58**: 446–58.—**Sartory, A., Meyer, J., & Schmutz, D.** De l'influence favorisant la croissance bactérienne par l'introduction préalable de vitamines B_1 et B_2 combinées et à doses variées, dans le milieu de culture. C. rend. Acad. sc., 1938, **207**: 1262.—**Schatzky, M. S.** L'action du courant continu sur la vitalité des microbes. Ann. électrob., Lille, 1905, **8**: 1–13.—**Schnitzer, R.** Die spezifische Arzneifestigkeit der pathogenen Mikroorganismen. Erg. Hyg. Bakt., 1932, **13**: 227–326.—**Seigneurin, R.** Variations du poids, de l'agglutinabilité et de la virulence des germes, en fonction de l'âge de leurs cultures. C. rend. Soc. biol., 1939, **130**: 701–3.—**Selbie, F. R.** Microbial resistance to chemotherapeutic drugs. Brit. M. Bull., 1946, **4**: 267–71. Also transl., Monit. farm., Madr., 1947, **53**: 319–25.—**Stutz, L.** Spielt die Dichte von Keimaufschwemmungen eine Rolle für die Widerstandsfähigkeit der Keime gegen Wärme? Zschr. Hyg., 1937–38, **120**: 243–6.—**Van Deinse, F., & Fethke, N.** Action de quelques modificateurs de la tension superficielle sur les cultures microbiennes en milieu synthétique liquide. C. rend. Soc. biol., 1939, **132**: 361–3.

—— Enumeration.

See also **Bacteria,** Enumeration.

Heifetz, M. A. [Frost's microplates for quantitative evaluation of microbes] Mikrobiologia, Moskva, 1938, **7**: 219–28.—**Orla-Jensen, S., & Faulenborg, G.** Ueber das Problem der Keimzählung. Zbl. Bakt., 2. Abt., 1937–38, **97**: 387–9.—**Ronchèse, A. M.** Procédé de numération directe des germes dans les suspensions microbiennes. C. rend. Soc. biol., 1940, **133**: 190–3.—**Schilling, K.** Die Verwendung der binokularen Prisenlupe zur Keimzählung. Gesundh. Ingenieur, 1936, **59**: 294.

—— Evolution and genetics.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. Publication No. 12: The genetics of pathogenic organisms. 90p. 26½cm. Lanc., 1940.

LEDERBERG, J. Problems in microbial genetics. p.145–98. 25½cm. Lond., 1948.
In: Heredity, Lond., 1948, **2**: 145–98.

Bruynoghe, R. La durée de la vie des microbes. Rev. méd., Louvain, 1932, 222–4.—**Flu, P. C.** [Granules in bacteria as a developmental stage of pathogenic microbes, and Hadley's colonies G; relation to the filtrability of the evidently pathogenic microorganisms] Ned. tschr. hyg. microb., 1933, **8**: 102–40, 16 pl.—**Gowen, J. W.** Genetic aspects of virulence in bacteria and viruses. Ann. Missouri Bot. Gard., 1945, **32**: 187–211.—**Huff, C. G.** Studies on the evolution of some disease-producing organisms. Q. Rev. Biol., 1938, **13**: 196–206.—**Lwoff, A.** L'évolution des microbes; passage de l'état végétal à l'état animal. Sciences, Par., 1938–39, **66**: 287–9.—**Stakman, E. C.** The need for research on the genetics of pathogenic organisms. In: Pub. Am. Ass. Advance. Sc., 1940, No. 12, 9–17.

—— Examination.

Armuzzi, G. Il metodo dell'osservazione in campo oscuro dei microrganismi patogeni; su preparati fissati e colorati. Ann. igiene, 1924, **34**: 589–95.—**Bretey, J., & Browaeys, J.** Améliorations apportées aux techniques d'isolement des microbes par micromanipulation sur fond noir. C. rend. Soc. biol., 1944, **138**: 277.—**Dussert, E.** Bosquejo sobre el estado actual de la clasificación microbiana. Rev. Inst. bact. Chile, 1933, **4**: No. 1–2, 66–100.—**Hauduroy, P.** A propos du diagnostic microbien. Biol. méd., Par., 1945, **34**: 137.—**Mudd, S., & Anderson, T. F.** Bacterias patógenas, rickettsias y virus, vistos con el microscopio electrónico; sus relaciones con la inmunidad y la quimioterapia. Medicina, Méx., 1946, **26**: 9–40.—**Prudhomme, R. O., Rouyer, M., & Staub, A. M.** Spectre d'absorption des microbes dans l'ultraviolet. Ann. Inst. Pasteur, Par., 1946, **72**: 347–60.

—— Filtration [and filtrate]

See also **Vira.**

Autoff, M. Action inhibitive, non spécifique de filtrats de différents microbes pathogènes in vitro. C. rend. Soc. biol., 1946, **140**: 351–3. ——— Action antibiotique, non spécifique, de filtrats de quelques microbes pathogènes in vitro. Ann. Inst. Pasteur, Par., 1947, **73**: 275; passim.—**Coutière, H.** Sur quelques ultra-microbes. Biol. méd., 1923, **13**: 1–21.—**Goldie, H.** Les substances oxydo-réductrices des filtrats microbiens toxiques. C. rend. Soc. biol., 1933, **114**: 602–5.—**Hoder, F.** Einige filtrierbare Krankheitserreger. Fortsch. Med., 1934, **52**: 189–94.—**Nativelle, R.** Formes filtrantes de microbes et pouvoir pathogène. C. rend. Soc. biol., 1937, **124**: 225–7.—**Nélis, P.** Action de quelques filtrats microbiens sur les toxines bactériennes. Rev. belge sc. méd., 1945, **16**: 373–7.—**Ramzin, S., & Zhivkovich, M.** [Invisible forms of pathogenic microorganisms] Glasnik, Beogr., 1927, **3**: 145–65.

—— Metabolism.

See also subheading (Cultivation)

FLOCH, H. Eau oxygénée et catalase dans certaines cultures microbiennes; respiration et fermentation microbiennes. 8p. 22½cm. Cayenne, 1944.

Castellani, A. Observations sur le phénomène de fermentation gazeuse symbiotique; son emploi pour différencier certaines espèces microbiennes et pour identifier certains hydrates de carbone. Ann. Inst. Pasteur, Par., 1928, **42**: 461–74.—**Cianci, V.** Sulla fermentazione acida provocata da alcuni germi acidogeni. Boll. Soc. ital. biol. sper., 1929, **4**: 1129; 1132.—**Clifton, C. E.** Microbial assimilations. In: Advance. Enzymol. (Nord, F. F.) N. Y., 1946, **6**: 269–308.—**Germino, A.** Ulteriori ricerche sul metabolismo di crescità dei germi. Gior. med. mil., 1943, **91**: 241; passim.—**Gorini, C.** Ueber die Genotypizität der mikrobiellen Enzyme. Zbl. Bakt., 2. Abt., 1943–44, **106**: 427–30.—**Guyot, R.** Bacilles photogènes, pathogènes, chromogènes, champignons et mycéliums phosphorescents, champignons se colorant par froissement ou brisure; similitude. Rev. gén. sc. pur., 1929, **40**: 567–76.—**Kendall, A. I.** The man-microbe balance; studies in bacterial metabolism. Q. Bull. Northwest. Univ. M. School, 1940, **14**: 274–82.—**Lemay, P.** Action des bactériostatiques sur le métabolisme glucidien des microbes. Progr. méd., Par., 1948, **76**: 37.—**Mallinckrodt-Haupt, A. H. v.** Stoffwechselvorgänge bei Mikroorganismen und ihre Zusammenhänge mit pathogenen Prozessen. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 250.—**Mustafa, A.** La production de l'indol par des germes microbiens indoligènes; ses rapports avec la peptone utilisée. C. rend. Soc. biol., 1937, **124**: 450.—**Pozerski, E., & Lévy, M.** Sur l'excrétion de produits phosphorés par les microbes; modification de ce phénomène sous l'influence du formol. Ibid., 1923, **88**: 18.—**Rettger, L. F.** Microbial fermentation. J. Bact., Balt., 1940, **39**: 84.—**Schardinger, F.** Ueber die Bildung kristallisierter, Fehlingsche Lösung nicht reduzierender Körper (Polysaccharide) aus Stärke durch mikrobielle Tätigkeit. Zbl. Bakt., 2. Abt., 1908, **22**: 98–103, 3 pl.—**Schlossmann, K.** Le rôle des ferments microbiens dans la chimie. Acta Univ. tartu., 1927, **11**: A, No. 4, 1–18.—**Waksman, S. A.** The microbe as a bio-

logical system. J. Bact., Balt., 1943, **45:** 1–10.—**Weinberg, M.,** & **Randin, A.** Ferment fibrolytique d'origine microbienne. C. rend. Soc. biol., 1931, **107:** 27. ——— Propriétés physico-chimiques du ferment fibrolytique d'origine microbienne. Ibid., 1932, **110:** 352.—**Welsch, M.** Le mécanisme de la mycolyse des germes vivants. Ibid., 1938, **127:** 347–9.

—— Pathogenicity.

See also **Infection.**

Babes, V., & **Eremia.** Note sur quelques microbes pathogènes de l'homme. Ann. Inst. path. bact. Bucarest (1888/89) 1889, **1:** 428–31.—**Carli, C.** Contributo allo studio delle reazioni cellulari di fronte ai vari stimoli microbici ed amicrobici. Atti Accad. fisiocr. Siena, 1937, 11. ser., **5:** suppl. 185–214.—**Castellani, A.** Notes on three new yeast-like organisms and a new bacillus, with remarks on the clinical conditions from which they have been isolated; furunculosis blastomycetica, macroglossia blastomycetica, stomatitis cryptococco-bacillaris. J. Trop. M., Lond., 1925, **28:** 217–23.—**Forns & Mayoral.** Acción de los microbios sobre los medios en que viven, su papel en la naturaleza, kakogénesis ó saprogenismo y nosogénesis ó patogénesis. Rev. espec. méd., Madr., 1909, **12:** 395–408. ——— Los microbios en los seres vivos. Ibid., 1910, **13:** 51; passim.—**Leise, J. M.,** & **James, L. H.** Relationship between pathogenicity and pH tolerance of microorganisms. Science, 1945, **101:** 437.—**Luden, G.** Small enemies of mankind. Health, Chic., 1923, **3:** No. 9, 17; No. 10, 23; 58.—**Ofensiva** (A) do micróbio. An. paul. med. cir., 1942, **44:** 411–3.—**Reimann, H. A.** Relationship between pathogenicity and pH tolerance of microorganisms. Science, 1945, **102:** 71.—**Renkonen, K. O.** Bakteereja pienemmistä tautienaiheuttajista. Arb. Serobakt. Inst. Univ. Helsinki (1941–42) 1943, **12:** No. 207, 1–4.—**Ricart.** Microbios patógenos. Rev. homeop., Barcel., 1890, **2:** 79–83.—**Rosebury, T.** Do germs destroy life? Hygeia, Chic., 1939, **17:** 319–22.—**Rous, P.** The protection of pathogenic microorganisms by living tissue cells. J. Exp. M., 1916, **23:** 601–12, pl.—**Schleifstein, J.,** & **Coleman, M. B.** An unidentified microorganism resembling Actinobacillus lignieresi and Past. pseudotuberculosis, and pathogenic for man. Annual Rep. N. York State Dep. Health, 1941, **62:** pt 1, 207.—**Strong, R. P.** The relationship of certain free-living and saprophytic microorganisms to disease. Science, 1925, n. ser., **61:** 97–107.—**Wells, F.** The germs of disease. Proc. San. Convent. Michigan, 1892, 5–18.—**Zanotti, P.** Oscillazioni dell'attività patogena di alcuni microrganismi. In: Scritti med. in onore di A. Poggi, Bologna, 1915, 577–89.—**Zernoff, V.** Microbes virulents pour les chenilles (Galleria mellonella et Pyrausta nubilalis) C. rend. Soc. biol., 1931, **106:** 543–6.

—— Therapeutic use.

See also **Antibodies; Antigens; Biological products; Immunization; Toxin; Vaccine,** etc.; also **Warfare,** bacterial.

Cazeneuve, P. Les dangers de la vente libre des cultures microbiennes pathogènes; nécessité de protéger la santé publique. Ann. falsif., Par., 1922, **15:** 172–81.—**Metalnikov, S., Hergula, B.,** & **Strail.** Utilisation des microbes dans la lutte contre la pyrale du maïs. C. rend. Acad. sc., 1930, **191:** 738–40.—**Trillat, A.** Propriétés des aérosols microbiens; applications. Ann. hyg., Par., 1938, n. ser., **16:** 49–62. Also Bull. Acad. méd., Par., 1938, 3. ser., **119:** 64–74.

—— Variability [incl. dissociation and specificity]

See also **Mutation.**

Le Gueut, Y. *Etude sur la variabilité des espèces microbiennes. 48p. 8° Par., 1934.

Vahl, F. *Contribution à l'étude de la variabilité microbienne. 55p. 8° Par., 1937.

Azzi, A. Specie microbiche e variazioni. Arch. ital. chir., 1938, **50:** 163–7.—**Benignetti, D.** Sopra alcune modificazioni dei germi coltivati in terreni umidi ed in terreni secchi. Riv. ingegn. san., 1906, **17:** 279–83.—**Boivin, A., Mesrobeanu, L.,** & **Mesrobeanu, I.** Contribution à l'étude de la spécificité microbienne; antigènes complets et résiduels. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 565.—**Bordet, J.,** & **Bordet, P.** Bactériophagie et variabilité microbienne. Ann. Inst. Pasteur, Par., 1946, **72:** 161; passim.—**Brill, J.,** & **Frendzlowa, J.** [Experimental paraagglutination of two species of microorganisms, cultured simultaneously in vivo, in the hen] Med. dośw., 1936, **21:** 418–24.—**Bruynoghe, R.** Les métamorphoses chez les microbes. Rev. méd., Louvain, 1930, 257–65.—**De Kruif, P. H.** Dissociation of microbic species. Proc. Soc. Exp. Biol., N. Y., 1921–22, **19:** 37–43.—**Fontes, A.** Novas concepções no dominio da biologia dos microbios; contribuição ao estudo da forma granular. Rev. brasil. med. pharm., 1925, **1:** 281–6.—**Gotschlich, E.** Ueber Spezifität und Variabilität der pathogenen Microorganismen. Türk. hıfzıssıhhà tecr. biyol. mecmuası, 1940, **1:** No. 3, 168–81.—**Gundel, M.** Betrachtungen über Spezifität und Variabilität pathogener Mikroorganismen. Wien. klin. Wschr., 1944, **57:** 283 [Discussion]—**Hadley, P.** Further advances in the study of microbic dissociation. J. Infect. Dis., 1937, **60:** 129–92.—**Jollos, V.** Variabilität und Vererbung bei Mikroorganismen in ihrer Bedeutung für die Medizin. Klin. Wschr., 1932, **11:** 1–6.—**Konokotina, A. G.** [Biological factor of variability] In: Minlivist mikrob. (Kiev Inst. mikrob.) 1939, 259–69.—**Kuperman, T. M.** [Serological variability of microbes from the view-point of microbal dissociation] Arkh. biol. nauk, 1934, ser. B, **35:** 789–814.—**Ravich-Birger, E. D.** [Biological laws in the variability of microbes] Biol. J., Moskva, 1936, **5:** 183–206.—**Ryzhkov, V.** [Variability of microbes in the light of the modern theory of genetics] In: Minlivist mikrob. (Kiev Inst. mikrob.) 1939, 9–22.—**Soule, M.** Dissociazione microbica. Atti Congr. naz. microb., 1932, 4. Congr., 236–46.—**Vasile, B.** Ricerche sulla variabilità dei germi piogeni isolat dai vari organi. Gior. batt. immun., 1931, **6:** 522–33.

MICROBICIDE.

See also **Disinfectant; Germicide; Microbe,** Effect of various agents; **Microorganism,** Resistance; also in 5. ser., **Antibiotic.**

Fitzpatrick, F. L. The control of organisms. 334p. 22cm. N. Y., 1940.

Radam, W. Microbes and the microbe killer. 369p. 21cm. N. Y., 1890.

Meissel, M. N. Effect of cancerogenic substances upon microbic cell. C. rend. Acad. sc. URSS, 1944, **42:** 399.—**Shelton, R. S.** Composition for counteracting microorganisms. U. S. Patent Off., 1945, No. 2,380,877.—**Shreve, R. N.,** & **Swaney, M. W.** Composition for and method of devitalizing microorganisms. Ibid., 1940, No. 2,216,140.—**Trillat, A.,** & **Fouassier, M.** Action de doses infinitésimales de diverses substances alcalines fixes ou volatiles, sur la vitalité des microbes. C. rend. Acad. sc., 1912, **155:** 1184–6.

MICROBID.

See **Allergy,** bacterial; **Dermatosis,** allergic; **Eruption;** also under specific names of pathogenic bacteria.

MICROBIEMIA.

See **Bacteriemia; Sepsis;** also under specific names of bacterial diseases as **Meningococcosis,** etc.

MICROBIOASSAY.

See also **Bacteria** subheadings (Cultivation; Metabolism: Vitamin requirements) **Bioassay; Disinfectant,** Standardization and testing; **Microorganism,** Cultivation.

Barton-Wright, E. C. The theory and practice of the microbiological assay of the vitamin-B complex; together with the assay of selected amino acids and potassium. Analyst, Lond., 1945, **70:** 283–95.—**Campbell, T. E.,** & **Hucker, G. J.** Riboflavin requirements of certain lactic acid bacteria. Food Res., 1944, **9:** 197–205.—**Chattaway, F. W., Happold, F. C.** [et al.] Nutritional requirements of C. diphtheriae and L. casei. Nature, Lond., 1943, **151:** 559.—**Hartley, A. W.** Microbiological methods of analysis. Manuf. Chem., Lond., 1945, **16:** 434–6.—**Krauskopf, E. J., Snell, E. E.,** & **McCoy, E.** Growth factors for bacteria; a survey of the pantothenic acid and riboflavin requirements of various groups of bacteria. Enzymologia, Haag, 1939, **7:** 327–30.—**McIlwain, H.** The magnitude of microbial reactions involving vitamin-like compounds. Nature, Lond., 1946, **158:** 898–902. ——— Interrelations in microorganisms between growth and the metabolism of vitamin-like substances. In: Advance. Enzymol. (Nord, F. F.) N. Y., 1947, **7:** 409–60.—**Observations** on bacterial growth-promoting and growth-inhibiting factors. Annual Rep. Brit. Emp. Cancer Campaign, 1941, **18:** 103.—**Peterson, W. H., Snell, E. E.,** & **McDaniel, L. E.** Growth factor requirements of bacteria in the lactic and the butyric groups. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 500.—**Sandford, M.** Historical development of microbiological methods in vitamin research. Nature, Lond., 1943, **152:** 374–6.—**Sartory, A., Sartory, R.** [et al.] Facteurs activants thermostabiles d'origine cryptogamique favorisant la croissance des bactéries. C. rend. Acad. sc., 1936, **203:** 280–2.—**Schöpfer, W. H.** Aneurine et hétérotrophie chez les microorganismes. Arch. Mikrob., Berl., 1938, **9:** 116–28.—**Shaw, G. E.** Notes on microbiological analysis. Pharm. J., Lond., 1948, **107:** 229. ——— Recent trends in nutrition with special reference to microbiological analysis. Chemist & Druggist Export Rev., Lond., 1948–49, **9:** No. 101, 55–7.—**Snell, E. E.** Studies on accessory growth requirements of certain lactic acid bacteria. Summaries Doct. Diss. Univ. Wisconsin, 1938, **3:** 241–3. ——— & **Mitchell, H. K.** Purine and pyrimidine bases as growth substances for lactic acid bacteria. Proc. Nat. Acad. Sc. U. S., 1941, **27:** 1–7.—**Snell, E. E., Strong, F. M.,** & **Peterson, W. H.** Fractionation and properties of an accessory factor for lactic acid bacteria. Biochem. J., Lond., 1937, **31:** 1789–99.—**Toennies, G.** Microbiological assay or bacterimetry? Science, 1948, **107:** 598.

—— Method.

See also under names of hormones, vitamins and growth factors as **Growth hormone**, Bioassay; **Inositol; Thiamine**, etc.

Arnold, A., Lipsius, S. T., & Greene, D. J. Riboflavin determination by the microbiological method. Food Res., 1941, **6**: 39–43.—**Bondorff, K. A.** [Use of microorganisms for the determination of the available plant food in the soil] Aarsskr. Vet. Landbohøjsk., Kbh., 1918, 339–64.—**Bradford, E. A. M.** Note on technique for microbiological assay of vitamins by methods involving mould growth. Analyst, Lond., 1946, **71**: 228.—**Crandall, W. A., & Burr, M. M.** Precision of microbiological assays for riboflavin, niacin and pantothenic acid. Fed. Proc., Balt., 1947, **6**: 246.—**Grifols, V.** Determinación microbiológica de amino-ácidos y vitaminas del grupo B. Med. clín., Barcel., 1948, **10**: 412.—**Hyma, A. M.** A synthetic medium for microbiological assay of riboflavin, pantothenic acid, biotin, nicotinic acid, pyridoxine and folic acid. Microfilm Abstr. Doct. Diss., 1945, **6**: No. 2, 10.—**Jensen, K. A., & Kiaer, I.** Problems concerning the estimation of the chemosensitivity of microbes and measuring of penicillin and streptomycin concentrations in the blood and spinal fluid. Acta path. microb. scand., 1948, **25**: 146–51.—**Johnson, B. C.** The microbiological determination of nicotinic acid, nicotinamide, and nicotinuric acid. J. Biol. Chem., 1945, **159**: 227–30.—**Kent-Jones, D. W., Barton-Wright, E. C.** [et al.] Report on the microbiological assay of riboflavine and nicotinic acid. Analyst, Lond., 1946, **71**: 397–406.—**Kent-Jones, D. W., & Meiklejohn, M.** Some experiences of microbiological assays of riboflavin, nicotinic acid and other nutrient factors. Ibid., 1944, **69**: 330–6.—**Kline, O. L., & Friedman, L.** Microbiological assay methods for thiamine. Biol. Sympos., Lanc., 1947, **12**: 65–85.—**Landy, M., & Dicken, D. M.** A microbiological assay method for 6 B vitamins using Lactobacillus casei and a medium of essentially known composition. J. Laborat. Clin. M., 1941–42, **27**: 1086–92.—**Loring, H. S., Ordway, G. L., & Pierce, J. G.** A method of assay for cytidine and uridine by means of a pyrimidine-deficient strain of Neurospora. J. Biol. Chem., 1948, **176**: 1123–30.—**Mistry, S. P., Gajjar, I. M., & Sreenivasaya, M.** Microbiological assay of the overall potency of growth-factors of shark liver extracts. Current Sc., Bangalore, 1945, **14**: 95–7.—**Nymon, M. C., & Gortner, W. A.** Some studies on the microbiological method of vitamin determination. Fed. Proc., Balt., 1945, **4**: 160. ——— & **Gunsalus, I. C.** An application of the lyophile process to the maintenance of cultures for microbiological assay. Science, 1945, **102**: 125.—**Pinon, H.** Sur le dosage microbiologique des vitamines B_2 et PP; leur évolution au cours de la maturation du blé. C. rend. Acad. sc., 1947, **224**: 1852–4.—**Prickett, P. S., Riddle, K. B.** [et al.] Studies on the microbiological assay of riboflavin in foodstuffs with special reference to cereals. J. Bact., Balt., 1942, **43**: 3. ——— & **Miller, N. J.** Practical application of the microbiological method to the assay of riboflavin. Ibid., 1941, **42**: 292.—**Schopfer, W. H.** Les tests microbiologiques pour la détermination des vitamines. Experientia, Basel, 1945–46, **1**: 183; 219. ——— Remarques sur le mémoire de H. Utiger: Vitamin B_1-Untersuchungen des Phycomyces-Wachstumtestes; kritische Prüfung desselben auf seine Anwendbarkeit. Zschr. Vitaminforsch., Bern, 1946–47, **18**: 66–70.—**Scott, M. L., Randall, F. E., & Hessel, F. H.** A modification of the Snell and Strong microbiological method for determining riboflavin. J. Biol. Chem., 1941, **141**: 325.—**Snell, E. E.** Use of microorganisms for assay of vitamins. Physiol. Rev., 1948, **28**: 255–82.—**Spitzer, E. H., Biddison, E. A.** [et al.] A concentrated basal medium for microbiological vitamin assay. Science, 1944, **100**: 555.—**Toennies, G., & Gallant, D. L.** Bacterimetric studies; factors affecting the precision of bacterial growth responses and their measurement. J. Biol. Chem., 1948, **174**: 451–63.—**Vicher, E. E., & Levinson, S. A.** Microbiological assay of the antibiotics. Illinois M. J., 1948, **93**: 143–8.—**Williams, R. J.** Microbiological assay methods. In: Stud. Vitamin Content (Univ. Texas) 1942, 7–13.

—— Test objects.

See also under names of microorganisms as **Lactobacillus; Neurospora; Phycomyces**, etc.

Blum-Emérique, L., & Lwoff, A. Dosage de petites quantités d'aneurine au moyen d'un test Glaucoma piriformis. Bull. Soc. chim. biol., Par., 1939, **21**: 1057. ——— Dosage de petites quantités d'aneurine au moyen du test Glaucoma piriformis, cilié. Ibid., 1940, **22**: 179–84.—**Bonner, J., & Erickson, J.** The Phycomyces assay for thiamin (vitamin B_1) the method and its chemical specificity. Am. J. Bot., 1938, **25**: 685–92.—**Burkholder, P. R., & McVeigh, I.** Studies on thiamin in green plants with the Phycomyces assay method. Ibid., 1940, **27**: 853–61.—**Dubos, R. J.** Utilization of selective microbial agents in the study of biological problems. Bull. N. York Acad. M., 1941, **17**: 405–22.—**Freeman, J.** Microbes in vitamin assay; organisms aid research and industry. Yale Sc. Mag., 1944–45, **19**: No. 7, 11.—**Gaines, S., & Stahly, G. L.** Use of Leuconostoc mesenteroides as an assay agent for several members of the vitamin B group. J. Bact., Balt., 1943, **45**: 35 (Abstr.)—**Giese, A. C., & Tatum, E. L.** The effects of p-aminobenzoic acid, pantothenic acid and pyridoxin upon respiration of Neurospora. Arch. Biochem., 1946, **9**: 1–13.—**Hall, D. A.** The folic acid group of growth factors. Biochem. J., Lond., 1947, **41**: 287; 294.—**Nielsen, N.** The growth substance demand of different fungi. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 501.—**Orla-Jensen, S., Otte, N. C., & Snog-Kjær, A.** Der Vitaminbedarf verschiedener Bakterien ausserhalb der Gruppe der Milchsäurebakterien der Milch. Zbl. Bakt., 2. Abt., 1936, **94**: 447–52.—**Rabinowitz, J. C., & Snell, E. E.** The vitamin B_6 group; an improved method for assay of vitamin B_6 with Streptococcus faecalis. J. Biol. Chem., 1947, **169**: 631–42.—**Sarett, H. P., & Cheldelin, V. H.** The use of Lactobacillus fermentans 36 for thiamine assay. Ibid., 1944, **155**: 153–60.—**Schopfer, W. H.** Les vitamines cristallisées B comme hormones de croissance chez un microorganisme (Phycomyces) Arch. Mikrob., Berl., 1934, **5**: 511–49. ——— Recherches sur le métabolisme de l'azote d'un microorganisme acellulaire (Phycomyces blakesleeanus BGF) le rôle des facteurs de croissance. Protoplasma, Lpz., 1937, **28**: 381–434. ——— Bemerkungen zur Arbeit von R. Thren: kritische Versuche zum biologischen Pilztest (Phycomyces-Wachstumstest) auf Vitamin B_1. Vitamine, Lpz., 1941, **1**: 463–5. ——— La biosynthèse de la biotine par un microorganisme autotrophe pour cette vitamine (Phycomyces blakesleeanus) un nouveau facteur de croissance pour la levure. Zschr. Vitaminforsch., Bern, 1943, **14**: 42–70.—**Thren, R.** Kritische Versuche zum biologischen Pilztest (Phycomyces-Wachstumstest) auf Vitamin B_1. Vitamine, Lpz., 1941, **1**: 100–17. Also Nord. med., 1941, **12**: 3037 (Abstr.)—**Tittsler, R. P., Rogosa M., & Whittier, E. O.** The nomenclature and characteristics of the Lactobacillus employed for the microbiological assay of riboflavin. J. Bact., Balt., 1942, **43**: 56.—**Volcani, B. E., & Snell, E. E.** Specificity of the response of various assay organisms to nicotinic acid. Proc. Soc. Exp. Biol., N. Y., 1948, **67**: 511–3.

MICROBIOID.

See also **Life**, Origin.

Dubois, R. Sur la prétendue génération spontanée par les radiobes. C. rend. Ass. fr. avance. sc., 1906, 472. ——— Sur un phénomène de simili-conjugaison chez les microbioïdes. C. rend. Soc. biol., 1907, **62**: 198. ——— Sur les microbioïdes C. rend. Acad. sc., 1911, **153**: 905–7.

MICROBIOLOGIE; exposés publiés sous la direction de J. Bordet. 2 nos. 25cm. Par. Hermann & cie, 1942–44.

Forms numbers of Actual. sc. indust.

CONTENTS

No. 1. Recherches sur la croissance des cultures bactériennes. Monod, J. 1942.

No. 2. L'évolution physiologique. Lwoff, A. 1944.

MICROBIOLOGY. Moskva.

See Микробиология.

MICROBIOLOGY.

See also names of related studies as **Bacteria**, Biology; **Bacteriology; Hydrobiology; Micropathology; Microparasitology; Protozoology; Virology**; also such subjects as **Antibodies; Immunity; Microbe; Microorganism; Toxin**, etc.

HAUDUROY, P. Microbiologie générale et technique microbiologique. 623p. 24cm. Lausanne, 1947.

Buttersack. Mikrobiologie. Fortsch. Med., 1936, **54**: 417–21.—**Dennis, E. W.** Microbiology. Bios, Oklahoma, 1931, **2**: 41–5.—**Dubos, R. J.** Microbiology. Annual Rev. Biochem., 1942, **11**: 659–78.—**Isachenko, B. L.** [General microbiology and microbiology of the exterior medium] Otchet Vsesoiuz. inst. eksp. med., Moskva (1933–37) 1939, 119–27.—**Lisbonne.** Leçon d'ouverture du cours de microbiologie. Montpellier méd., 1921, **43**: 169; 193.—**Pazzaglia, L.** Fenomeni chimico-fisici, fenomeni vitali, forza vitale. Rass. med. sarda, 1948, **50**: 20–7.—**Thaysen, A. C.** Microbiology; its basic concept and its future. Nature, Lond., 1945, **155**: 564–7.

—— Apparatus.

See also **Microscope.**

Atanasoff, D. Ein neues Reagenzglas. Zbl. Bakt., 1. Abt., 1922, Orig., **88**: 511.—**Chahotine, S.** Un dispositif pour la narcotisation des infusoires et autres animaux microscopiques. C. rend. Soc. biol., 1921, **85**: 228.—**Cordier, J. A.** Recherche d'un appareil pratique pour l'obtention industrielle des microorganismes cultivés sur milieux solides. Bull. sc. pharm., Par., 1906, **13**: 83–6.—**Devignat, R.** A micro-glucide dish. J. Bact., Balt., 1944, **48**: 491–4.—**Janke, A.** Die Verwendung von Steilbrust-Glasgeräten im mikrobiologischen Laboratorium. Zbl. Bakt., 2. Abt., 1942–43, **105**: 459–66.—**Rose, S. B.** A study of microaerophilic organisms with special reference to the use of a microaerophilic incubator. J. Bact., Balt., 1942, **44**: 142.—**Struyk, A. P.** Ein neues Gärröhrchen und Gärfläschchen für die Bestimmung des Gärvermögens von aeroben und anaeroben Mikroorganismen. Zbl. Bakt., 2. Abt., 1936, **94**: 512–8.—**Wood, H. G., Brewer, C. R.** [et al.] A macro-respirometer for the study of the aerobic metabolism of micro-organisms. Enzymologia, Haag, 1940, **8**: 314–7.

—— applied.

See also such terms as **Dairy; Sewage; Soil; Water,** etc.

Allen, P. W., Holtman, D. F., & McBee, L. A. Microbes which help or destroy us. 540p. 22½cm. S. Louis, 1941.

Arnaudi, C. Elementi di microbiologia generale ed applicata alle fermentazioni. 2. ed. 758p. 25cm. Milano, 1945.

Carbone, D. I microorganismi nell'industria. 94p. 8° Bologna, 1927.

—— Microbiologia industriale. 316p. 8° Milano, 1933.

Dorner, W. Allgemeine und milchwirtschaftliche Mikrobiologie; mit einem Abriss der bakteriologischen Technik. 211p. 21½cm. Frauenfeld, 1943.

Gainey, P. L. An introduction to the microbiology of water and sewage for engineering students. 283p. 27½cm. Minneap., 1940.

Galloway, L. D., & Burgess, R. Applied mycology and bacteriology. 185p. 8° Lond., 1937. Also another ed. 186p. 1940.

Hoder, F. Bakteriologie und Hygiene des täglichen Lebens; ein Lehr- und Lesebuch für alle. 210p. 8° Jena, 1937.

Prescott, S. C., & Dunn, C. G. Industrial microbiology. 541p. 23cm. N. Y., 1940.

Rahn, O. Microbes of merit. 277p. 24cm. Lanc., 1945.

Smyth, H. F., & Obold, W. L. Industrial microbiology; the utilization of bacteria, yeasts and molds in industrial processes. 313p. 8° Balt., 1930.

Chapman, A. C. The employment of micro-organisms in the service of industrial chemistry; a plea for a National Institute of Industrial Microbiology. J. Soc. Chem. Indust., Lond., 1919, **38:** 282–6.—**Joshi, N. V.** Soil microbiology. Annual Rev. Biochem. Allied Res. India, 1935, **5:** 80–6.—**Seliber, G. L.** Zadachi, principy i metody ekologicheskoi mikrobiologii. J. obsh. biol., Moskva, 1945, **6:** 259–77.—**Waksman, S. A.** Soil microbiology. Annual Rev. Biochem., 1936, **5:** 561–84.—**Winogradsky, S.** La microbiologie oecologique; ses principes; son procédé. Ann. Inst. Pasteur, Par., 1938, **61:** 731–55. —— Principes de la microbiologie oecologique. Antonie van Leeuwenhoek, Amst., 1947, **12:** 5–16.

—— Atlas.

Charpentier, P. G., & Jeantet, P. Les microbes. 77p. 8° Par., 1927.

Ehrenberg, C. G. Verbreitung und Einfluss mikroskopischen Lebens Süd- und Nord-Amerika. 158p. 41½cm. Berl., 1843.

Nowak, J. Documenta microbiologica; mikrophotographischer Atlas der Bakterien, der Pilze und der Protozoen. 2. Teil: Pilze und Protozoen. 149p. 8° Jena, 1930.

—— Classification [and nomenclature]

Trotter, A., Saccardo, P. A. [et al.] Supplementum universale. Pars 10: Myxomycetae, Myxobacteriaceae, Deuteromycetae, Mycelia sterilia [Avellino, Typ. Pergola, 1928] 1093p. 22½cm. Ann Arb., 1931.

Breed, R. S. Practical values from taxonomic research. J. Bact., Balt., 1943, **46:** 221.—**Kudriavcev, V. I.** [Principles of classification of microorganisms] Microbiology, Moskva, 1942, **11:** 15–28.—**Loewenthal, W.** Sprachliches aus dem Gebiet der Mikrobiologie. Zbl. Bakt., 1. Abt., 1927–28, **105:** 200.

—— Congresses [incl. exhibits]

International Congress for Microbiology [2. Congr., 1936] Report of proceedings. 579p. 22½cm. Lond., 1937.

—— [3. Congr., 1939] Abstracts of communications. 395p. 23cm. Balt., 1939.

—— [3. Congr., 1939] Report of proceedings. 883p. 26cm. N. Y., 1940.

—— [4. Congr., 1932] Atti. 409p. 24½cm. Milano, 1932.

—— [5. Congr., 1934] Atti. 399p. 24½cm. Milano, 1935.

Vsesoiuznaya konferencia mikrobiologov, epidemiologov i infekcionistov [1939 Konferencia] Trudy. 335p. 26cm. Moskva, 1940.

Xylander. Sonder-Katalog für die Gruppe Mikrobiologie und Parasitologie der Wissenschaftlichen Abteilung der Internationalen Hygiene-Ausstellung Dresden 1911. 32p. 8° Dresd., 1911.

Africa, C. M. The Third International Congress of Microbiology and other impressions gathered abroad. Bull. Nat. Res. Counc. Philippines, 1940, **25:** 118.—**Bjørneboe, M.** [The Third International Congress of Microbiology in New York, Sept. 2–9, 1939] Ugeskr. laeger, 1939, **101:** 1197.—**Congresso** delle scienze pasteuriane; Parigi, 18–25 Nov. 1946. Recenti progr. med., Roma, 1946–47, **1:** 192.—**Fernández Ruizsánches, L.** El primer Congreso internacional de microbiología. Bol. técn. Dir. gen. san., Madr., 1930, **5:** 817–25.—**[Fourth** (The) Microbiological Congress, Jerusalem] Harefuah, Tel Aviv, 1942, **22:** 140. Also J. Am. M. Ass., 1942, **119:** 578.—**Hauduroy, P.** Deuxième Congrès international de microbiologie. Presse méd., 1936, **44:** 1491.—**International** Congress of Microbiology, 2. Congr., London, 1936. J. Am. M. Ass., 1936, **107:** 976. Also Bol. Of. san. panamer., 1936, **15:** 1173–7. Also Nature, Lond., 1936, **138:** 295. Also Rev. şt. med., Bucur., 1937, **26:** 680.—**International** Congress of Microbiology, 3. Congr., New York, Sept. 2–9, 1939. Arch. Derm. Syph., Chic., 1939, **40:** 438. Also J. Trop. M. Hyg., Lond., 1940, **43:** 97–102.—**International** Congress of Microbiology, 4. Congr., Copenhagen, 1947. Acta med. orient., Jerusalem, 1946, **5:** 382. Also Acta. med. ital. mal. infett., 1947, **2:** 111; 315. Also Ann. igiene, 1947, **57:** 142; 1948, **58:** 126–8. Also Deut. med. Wschr., 1947, **72:** 272. Also Experientia, Basel, 1947, **3:** 384. Also Ned. tschr. geneesk., 1947, **91:** 2858–60. Also Polski tygod. lek., 1947, **3:** 704; 734. Also Presse méd., 1947, **55:** 120; 183. Also Resenha clín. cient., S. Paulo, 1948, **17:** 151–6. Also Tschr. diergeneesk., 1947, **72:** 747–50.—**Loghem, J. J. van** [Third International Congress for Microbiology, Sept. 2–9, 1939, New York] Ned. tschr. geneesk., 1939, **83:** 4774–6.—**Mezinárodní** (IV) mikrobiologický kongres v Kodani. Cas. lék. česk., 1948, **87:** 180; 204. Also Voj. zdrav. listy, 1948, **17:** 60–2.—**Monneret, P.** Quelques enseignements tirés du 2. Congrès international de microbiologie. Progr. méd., Par., 1936, 1429–32.—**Pasteur Vallery-Radot.** La microbiologie. Presse méd., 1937, **45:** 949.—**Patiño Camargo, L.** Sexto Congreso científico del Pacífico y tercer Congreso internacional de microbiología, San Francisco, U. S. A., 24 julio–12 agosto 1939. Rev. Fac. med., Bogotá, 1939–40, **8:** 333–40.—**R., E.** Troisième Congrès international de microbiologie, New York, 2–9 septembre 1939. Bruxelles méd., 1939–40, **20:** 66–8.—**Rand, F. V.** The 3. International Congress for Microbiology. Exp. Sta. Rec., Wash., 1939, **81:** 609–12.—**Recio, A., & Chediak, M.** Informe sobre el 3. Congreso internacional de microbiología. Rev. méd. cubana, 1939, **50:** 1202–14.—**St John-Brooks, R.** Fourth International congress for microbiology. Nature, Lond., 1947, **160:** 596.—**Willis, H. S.** Empire Conference on Tuberculosis, London, and International Congress for microbiology, Copenhagen; a brief report of impressions in post-war Europe. Am. Rev. Tuberc., 1948, **57:** 412–6.

—— History.

Ben Meÿr, B. The story of microbes. 395p. 20½cm. N. Y., 1934.

De Bernardis, G. Cenni ed appunti intorno alla preistoria della microbiologia, della batteriologia e della immunologia. 149p. 22cm. Lanciano, 1939.

Olivier, H. R. Microbes en déroute. 171p. 19cm. Par., 1946.

Ascione, G. Breve cenno sullo sviluppo della dottrina microbiologica. Studium, Nap., 1935, **25:** 57–61.—**Ascoli, A.** Random thoughts with a hopeful purpose. In: Essays Hist. Med. (Sigerist, H. E.) Balt., 1944, 32–42.—**Carbone, D.** Contributo alla storia della microbiologia. Boll. Ist. sieroter. milan., 1930, **9:** 397; 521.—**Castelli, T.** Recherches microbiologiques sur des terrains de l'Afrique Orientale Italienne. Boll. Sez. ital. Soc. internaz. microb., 1938, **10:** 251–8.—**Dannemann, F.** Die Erforschung der Mikroorganismen. In his Werden naturwiss. Probl., Lpz., 1928, 314–6.—**Freund, E.** Chemische Ergebnisse auf mikrobiologischem Gebiete in Wien. Wien. med. Wschr., 1927, **77:** 750–2.—**Gellner, G.** [Survey of Czech literature on microbiology] Cas. lék. česk., 1925, **64:** 1381–4.—**Isachenko, B. L.** [Microbiology in the USSR for 25 years (1917–1942)] Mikrobiologia, Moskva, 1942, **11:** No. 5, p. i–xvi. ——— Mikrobiologia v Akademii Nauk SSSR. Ibid., 1945, **14:** 137–45. ——— Ocherki iz istorii mikrobiologii v Rossii. Bull. Acad. sc. URSS, sér. biol., 1945, 229–46.—**Kluyver, A. J.** Three decades progress in microbiology.

Antonie van Leeuwenhoek, Amst., 1947, **13**: 1–20.—**Microbiologia** (La) nel mondo. Gior. batt. immun., 1935, **14**: 177; passim.—**Microbios** (Los) y la individualización de la Academia de medicina de Paris. Rev. homeop. catalana, 1883, **1**: 115–9.—**Olivier, H. R.** Bilan de l'oeuvre pastorienne. In his Microbes en déroute, Par., 1946, 105–12.—**Recio y Forns, A.** Apuntes sobre la microbiología en Cuba. An. Acad. cienc. méd., Habana, 1923–24, **60**: 648–63.—**Senevet, G.** Bibliographie algérienne des travaux de microbiologie et de parasitologie parus en 1926 et 1927. Arch. Inst. Pasteur Algérie, 1928, **6**: 99–108.—**Torrandell Forment, R.** Historia de la microbiología hasta los trabajos de Louis Pasteur. Tr. Cáted. hist. crít. med., Madr., 1932–33, **1**: 577–81, portr.—**Uspensky, E. E.** [Main principles and achievements of Soviet microbiology during the last 20 years] Mikrobiologia, Moskva, 1937, **6**: 948–63.—**Van Niel, C. B.** Recent advances in our knowledge of the physiology of microörganisms. Bact. Rev., Balt., 1944, **8**: 225–34.—**Waksman, S. A.** Microbiology in the Soviet Union. Am. Rev. Soviet M., 1946–47, **4**: 314–21.

——— Microbiology in the U. S. S. R. in 1946. Sc. Month., 1947, **64**: 289–96.

—— Institutes, laboratories and stations.

See also **Bacteriology,** Institutes; **Pasteur Institute.**

Baku. Azerbaidzhansky institut mikrobiologii i higieny im. G. Musabekova. Труды. Baku, v.**1–5** (1924) 1925–31.

Moskva. Mikrobiologicheskii nauchno-issledovatelyskii institut Narodnogo komissariata po prosveshcheniyu. Труды. Moskva, v.**1–5**, 1925–30.

Nancy, France. Université de Nancy. Faculté de pharmacie. Laboratoire de microbiologie. Travaux. Nancy, No. 1, 1928–

Isachenko, B. L. [The Department of general microbiology] In: Mat. istor. Vsesoiuzn. inst. eksp. med. Gorkovo, Moskva, 1941, **1**: 87–103.—**Kaliaev, A. V.** [Scientific Research Microbiological Institute of the People's Commissariat for Education (Narkompros) during 1923–1937] J. mikrob., Moskva, 1938, **19**: 781–9.—**Krichevsky, I. L.** [The Microbiological Institute of Moskva] Arb. Microb. Inst. Volksunterrichtskom., Moskva, 1925, **1**: 3–11, illust.—**LeSage, A.** Notes sur l'Institut de microbiologie et d'hygiène de Montréal, après 8 ans d'cfforts. Union méd. Canada, 1943, **72**: 470–6.—**Marusenko, P. E.** [Ten years of scientific research work by the Zabolotny Institute of Microbiology and Epidemiology] J. mikrob., Kiev, 1940, **7**: 39–52.—**Mathis, C. J.** Les Instituts Pasteur de l'A. O. F. et les laboratoires de microbiologie. In his Oeuvre pastor. Afrique noire, Par., 1946, 19–30.—**Statement** by Sir Raphael Cilento to the Council on recent research work in the Laboratory of Microbiology and Pathology, Brisbane; an approved research institution. Rep. Nat. Health M. Res. Counc. Australia, 1938, 5. session, 21.—**Sulkin, S. E.** Bacteriology and Immunology Department of Southwestern Medical College. Dallas M. J., 1945, **31**: 69–71.

—— Instruction.

Hart, F. Microbiology versus bacteriology. J. Am. Pharm. Ass., 1932, **21**: 675–80.—**Morton, H. E.** Report on the work of the Committee on Materials for Visual Instruction in Microbiology, Society of American Bacteriologists. J. Bact., Balt., 1943, **45**: 304 (Abstr.)—**Quaintance, C. W.** Microbiology first; integrated instruction of biological science in a pre-nursing curriculum. Am. J. Nurs., 1945, **45**: 476–8.—**Sartory, A.** L'enseignement de la microbiologie dans les facultés de pharmacie. Strasbourg méd., 1946, **106**: 113.—**Visual** instruction in microbiology. Science, 1943, **98**: 213.

—— Manual.

Allen, P. W., & Cameron, G. M. Microbiology laboratory manual. 243p. 27½cm. S. Louis, 1940.

Bachmann, A., Quiroga, R., & Negroni, P. Microbiología; curso en base a conferencias dictadas. 2v. 571p.; 590p. 26cm. B. Air., 1944.

Barzizza, C. M., & Manso Soto, A. Microbiología. 2. ed. 2v. 603p.; 612p. 27cm. B. Air., 1941.

Birkeland, J. M. A work book for general microbiology. 52 numb. l. 28cm. Cincin., 1941.

Boivin, A. Bactéries et virus. 146p. 19cm. Par., 1941.

Burdon, K. L. Textbook of microbiology. 3. ed. 728p. 22cm. N. Y., 1947.

Calder, R. M. Microbiology. 3. ed. 317p. 20½cm. Phila., 1943.

Castelli, A., & Dal Borgo, J. Elementos de microbiología. 339p. 26½cm. Concepción, 1940.

Colien, F. E., & Odegard, E. J. Principles of microbiology. 444p. 22½cm. S. Louis, 1941.

Di Aichelburg, U. Vita dei microbi. 210p. 20cm. Milano, 1942.

Giltner, W. An elementary textbook of general microbiology. 471p. 8°. Phila., 1928.

Lutman, B. F. Microbiology. 495p. 8°. N. Y., 1929.

Michigan State College of Agriculture and Applied Science. Laboratory of Bacteriology and Hygiene. Laboratory manual in general microbiology. 418p. 20cm. N. Y., 1916. Also 3. ed. 472p. 1926.

Obold, W. L., & Diehm, M. M. Manual of microbiology for the study of bacteria, yeasts and molds. 140p. 8°. Phila., 1932.

Odegard, E. J. Microbiology laboratory manual. 183p. 28cm. S. Louis, 1944.

Peragallo, I. Tecnica microbiologica. 2v. 1131p. 25cm. Milano, 1945.

Rippel, A. Vorlesungen über theoretische Mikrobiologie. 171p. 8°. Berl., 1927.

Sangiorgi, G. Lezioni di microbiologia. 5. ed. 253p. 24cm. Città di Castello, 1945.

Smeeton, M. A. Practical microbiology. 5. ed. 305p. 22cm. N. Y., 1939.

Smith, K. M. Beyond the microscope. 112p. 17½cm. Harmondsworth, 1943.

Tanner, F. W. Bacteriology; a text-book of micro-organisms. 3. ed. 510p. 8°. N. Y., 1937. Also 4. ed. (with F. W. Tanner, jr.) 625p. 1948.

Thompson, L. V. Introduction to micro-organisms. 445p. 20½cm. Phila., 1944.

Trouessart, E. L. Les microbes; les ferments et les moisissures. 2. éd. 282p. 22cm. Par., 1891.

Forms v.**54**, Bibl. sc. internat.

Utenkov, M. D. Микрогенерирование. 151p. 21½cm. Moskva, 1941.

—— Manual—for nurses.

Bolduan, C. F., & Bolduan, N. W. Applied microbiology and immunology for nurses. 8. ed. 280p. 20½cm. Phila., 1940.

Broadhurst, J., & Given, L. I. Microbiology applied to nursing. 3. ed. 564p. 8°. Phila., 1936. Also 4. ed. 653p. 1939. Also 5. ed. 569p. 1945.

Burdon, K. L. A textbook of microbiology. 2. ed. 3. print. 638p. 22cm. N. Y., 1940.

Carter, C. F. Microbiology and pathology for nurses. 682p. 8°. S. Louis, 1936.

Kilduffe, R. A. Bacteriology, pathology and applied immunology for nurses. 2. ed. 377p. 20½cm. N. Y., 1939.

Morse, M. E., & Frobisher, M., jr. Micro biology for nurses. 6. ed. 466p. 20½cm. Phila., 1941. Also 7. ed. 521p. 1946.

—— & Rabin, C. B. Microbiology and pathology for nurses. 575p. 20½cm. Phila., 1942. Also 2. ed. 758p. 20cm. Phila., 1946.

Panagiótatos, A. G. *Τὰ βραδυνὰ μαθήματα τῆς Τρίτης· ἢ, Μαθήματα μικροβιολογίας.* 153p. 18cm. Alexandreia, 1928.

Piette, E. C., & White, J. M. Microbiology and nursing. 331p. 22½cm. Phila., 1940 Also 2. ed. 331p. 1943.

Roberts, J. G. Manual of bacteriology and

pathology for nurses. 7. ed. 272p. 8° Phila., 1936.

Rogers, H. Notes on bacteriology and clinical pathology for nurses. 31p. 12° Lond., 1938.

Sinclair, C. G. Microbiology and elementary pathology for the use of nurses. 362p. 8° Phila., 1931. Also 2. ed. 377p. 1934.

—— Microbiology for nurses. 4. ed. 264p. 22½cm. Phila., 1938. Also 6. ed. 265p. 1945.

—— medical.

See also **Antibodies; Antigens; Bacteriology; Disinfection; Immunology: Microparasitology; Serology; Vaccine; Vira;** also in 5. ser., **Antibiosis.**

Birkeland, J. M. Microbiology and man. 478p. 23½cm. Balt., 1942.

Bizzarrini, G. Microrganismi e malattie infettive. 1: Parte generale (con cenni pratici sui metodi generali di ricerche bacteriologiche, ecc.) 138p. 16° Livorno, 1918.

Burdon, K. L. Medical microbiology. 763p. 22cm. N. Y., 1939.

Calmette, A., Nègre, L., & Boquet, A. Manuel technique de microbiologie et sérologie. 2. éd. 640p. 8° Par., 1926. Also 3. éd. 759p. 1933.

Carter, C. F. Microbiology and pathology. 2. ed. 755p. 22cm. S. Louis, 1939. Also 3. ed. 777p. 1944.

Dahmen, H. Lehrbuch der Veterinär-Mikrobiologie. 3. Aufl. 249p. 25½cm. Berl., 1944.

Dessy, G. Lezioni di microbiologia e immunologia. 455p. 24½cm. Milano [after 1934]

Gamaleya, N. F. Учебник медицинской микробиологии. 363p. 26cm. Moskva, 1943.

García Vélez, J. Tratado elemental de microbiología aplicada. 2v. 456p.; 602p. 22cm. Granada, 1943–44.

Gershenfeld, L. Bacteriology and sanitary science for students in pharmacy, chemistry and allied sciences. 2. ed. 493p. 8° Phila., 1933.

Gronchi, V. Appunti di batteriologia e immunologia; raccolti dalle lezioni del prof. V. Gronchi anno accademico 1933–34. 460p. 25cm. Padova, 1934.

Gundel, M., & Schürmann, W. Lehrbuch der Mikrobiologie und Immunobiologie. 456p. 23½cm. Berl., 1939.

Hetsch, H. Mikrobiologie und Immunitätslehre. 443p. 8° Berl., 1931.

Kennedy, J. A. Laboratory manual of medical bacteriology, mycology, and immunology. 245 l. 27½cm. Louisville, 1941.

Klein, E. E. Los microbios y las enfermedades. 278p. 23cm. Madr., 1885. Also 2. ed. 201p. 18cm. Lond., 1885.

Kolle, W., & Hetsch, H. Experimentelle Bakteriologie und Infektionskrankheiten, mit besonderer Berücksichtigung der Immunitätslehre. 9. Aufl. 848p. 24½cm. Berl., 1942.

Kolle, W., Kraus, R., & Uhlenhuth, P. Handbuch der pathogenen Mikroorganismen. 3. Aufl. 10v. in 19 [incl. index] 8° Jena, 1928–31.

Lacorte, J. G. Bacteriologia e imunologia. 2. ed. 461p. 23½cm. Rio, 1936.

Lins, A. Microbiologia clínica. 437p. 23½cm. Rio, 1940.

McBurney, R. A laboratory manual of bacteriology, serology and immunity for medical students. 8. ed. 194p. 28cm. S. Louis, 1943.

Martínez Bruna, J. La microbiología al servicio del médico práctico. 171p. 23½cm. Madr., 1943.

Matilla, V. Manual de microbiología médica. 2v. 509p.; 551p. 25cm. Barcel., 1942–44. Also 2. ed. 2v. 509p.; 511p. 1944–46.

—— & de la Lastra Soubrier, J. M. Técnica bacteriológica y parasitológica. 480p. 21½cm. Madr., 1946.

Müller, R. Medizinische Mikrobiologie, Parasiten, Bakterien, Immunität. 405p. 25cm. Münch., 1939. Also 2. Aufl. 455p. 1944. Also 3. Aufl. 488p. 25½cm. Berl., 1946.

Nattan-Larrier, L. A. A. Traité de microbiologie. v.1, 1099p. 8° Par., 1931.

Pankalos, G. E. Κλινική μικροβιολογία. ιβ'. 338p. 23cm. Athénai, 1940.

Park, W. H., Williams, A. W., & Krumwiede, C. Pathogenic microörganisms; a practical manual for students, physicians and health officers. 9. ed. 819p. 8° Phila., 1929. Also 10. ed. 867p. 1933. Also 11. ed. 1056p. 1939.

Polettini, B., & Severi, R. Microbiologia medica. 3. ed. 505p. 25cm. Padova, 1944.

Puntoni, V. Manuale di microbiologica medica. 2. ed. 876p. 8° Roma, 1935. Also 3. ed. 998p. 1943.

Rice, T. B. A textbook of applied microbiology and pathology. 2. ed. 271p. 22cm. N. Y., 1939.

—— & Coy, F. Microbiology and pathology. 397p. 22cm. N. Y., 1942.

Savva, K. Ἐγχειρίδιον μικροβιολογίας. γ' εκδ. 616p. 24cm. Athénai, 1922.

Sharp, W. B. Practical microbiology and public health. 492p. 22cm. S. Louis, 1938.

Sinclair, C. G. Microbiology and elementary pathology. 362p. 8° Phila., 1931. Also 2. ed. 377p. 1934. Also 3. ed. 377p. 1936. Also 5. ed. 393p. 1940. Also 6. ed. 396p. 1944.

Southwestern Medical Foundation, Dallas. School of Medicine. Department of Bacteriology and Public Health. Laboratory manual of medical bacteriology and immunology. 97 l. 22½cm. Dallas, 1944.

Tropeano, A., & Cortés, A. R. Bacteriología y micología médica. 534p. 23½cm. B. Air., 1940.

Vedder, A. Leerboek der bacteriologie en immunologie. 477p. 8° Haarlem, 1935.

Wagener, K. Kursus der veterinärmedizinischen Mikrobiologie. 3. Aufl. 117p. 23cm. Berl., 1947.

Whitby, L. E. H. Medical bacteriology, descriptive and applied, including helminthology. 3. ed. 372p. 8° Lond., 1938.

Wilhelm, B. A. Grundriss der Bakteriologie und Immunitätslehre. 1.–2. Aufl. 202p. 8° Berl., 1936.

Zapatero Ballesteros, E. Lecciones de microbiología médica. 630p. 22cm. Valladolid, 1940. Also 2. ed. 604p. 22cm. Santander, 1945.

Zinsser, H. A textbook of bacteriology, with a section on pathogenic protozoa. 7. ed. 1226p. 24½cm. N. Y., 1937.

Falcíparum. Microbiología lírica. Rev. méd., Puebla 1932–33, 4: No. 27, 13.—**Ferrari, A.** Microbiologia clínica. Brasil med., 1942, **56**: 457.—**Garrod, L. P.** Microbiology and medicine. S. Barth. Hosp. J., Lond., 1936–37, **44**: 120–2.—**Russo, C.** Nuovi orientamenti della microbiologia medica. Gior. ital. clin. trop., 1937, **1**: 67–77.

—— Methods.

See also **Micropathology; Microscopy.**

Handbuch der biologischen Arbeitsmethoden. Abt. 12: Leistungen der niederen Organismenwelt. T. 2, I & II: Spezielle Methoden. Bd 2, 3. 2 v. 1655p. 8° Berl., 1939.

Stanier, R. Y. Some aspects of microbiological research in Germany. 15p. 25cm. Lond. [1947?]

Forms Rep. No. 691, Item No. 24, BIOS Final Rep., Lond.

Angulo, J. J. Una solución al problema de la termolabilidad de los azucares para pruebas de fermentación en microbiología; adición de la solución estéril del azúcar al tubo de fermentación. Rev. med. trop. parasit., Habana, 1942, **8:** 81–3.—**Bachmann, F. M.** A bacteriological method useful for the study of other micro-organisms. Am. J. Bot., 1918, **5:** 32–5.—**Baker, F. A.** Comparison between direct microscopical and purecultural methods of observation of micro-organisms. Proc. Nutrit. Soc., Cambr., 1946–47, **5:** 199–203, pl.—**Benedek, T.** The cantharides blister and its application in microbiological research; a review of the literature and some suggestions. J. Trop. M. Hyg., Lond., 1939, **42:** 81–6.—**Bessemans, A.** Essai de classement, dans le cadre de la microbiologie, de quelques nouveautés relatives à la microscopie directe et à la micrographie. Bruxelles méd., 1938–39, **19:** 36–50.—**Castro Marçal, J. M. de.** O pH em microbiologia. Rev. brasil. med. farm., 1933, **9:** 245–68.—**Comandon, J., & Fonbrune, P. de.** La chambre à huile, ses avantages pour l'étude des microorganismes vivants, la culture des tissus et la micromanipulation. Ann. Inst. Pasteur, Par., 1938, **60:** 113–41, 4 pl.—**Delpiano, G.** Sopra un metodo fisico di dimostrazione dei microorganismi al microscopio. Gior. Accad. med. Torino, 1924, 4. ser., **30:** 55–8.—**Demeter, K. J.** Neue Methoden zur mikrobiologischen Untersuchung von Boden. In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1939, Abt. 12, T. 2, Bd 1: 771–887.—**Deribéré, M.** La notion de pH en microbiologie. Ann. hyg., Par., 1934, n. ser., **12:** 358–70.—**Dhéré, C., Glücksmann, S., & Rapetti, L.** Sur les applications de la spectroscopie et de la spectrographie de fluorescence en microbiologie. C. rend. Soc. biol., 1933, **114:** 1250–3.—**Dickinson, S.** The technique of isolation in microbiology. Phytopathology, 1933, **23:** 357–67.—**Hauduroy, P., & Sansonnens, R.** Valeur des techniques usuelles pour l'obtention de poids déterminés de corps microbiens. C. rend. Soc. biol., 1944, **138:** 247.—**Koffman, M.** Eine Methode zur direkten Untersuchung der Mikrofauna und der Mikroflora des Bodens. Zbl. Bakt., 2. Abt., 1928, **75:** 28–45, 2 pl.—**Lacassagne, A.** Quelques exemples de l'utilisation des rayons de roentgen pour des recherches biologiques ultramicroscopiques. Experientia, Basel, 1945–46, **1:** 296–8.—**Moshkovsky, S., Babakina, V. G., & Kutkova, K. S.** [Methods in microbiological study of raw animal material] Mikrobiologia, Moskva, 1934, **3:** 382–91.—**Oker-Blom, M.** Eine einfache Methode Mikroorganismen aus der Luft aufzufangen. Zbl. Bakt., 1. Abt., 1912, **65:** Orig., 220–3.—**Pijper, A.** Filming as a method of research in microbiology. Antonie van Leeuwenhoek, Amst., 1947, **12:** 26–32.—**Raistrick, H.** Reflections on some present tendencies in microbiological chemistry. In: Perspectives in Biochem. (Needham, J., & Green, D. E.) Cambr., 1937, 263–73.—**Soulier, A.** Nouveau mode d'extraction des éléments microbiens, histologiques et lévuriens des liquides et exsudats de l'organisme. C. rend. Ass. fr. avance. sc. (1914) 1915, **43:** 897–900.—**Techoueyres, E.** La microbiologie et ses méthodes; réflexions critiques. Union méd. nordest, 1938, **61:** 49; 65.—**Vučković, V.** Eine Vereinfachung der Lindner'schen Tröpfchenmethode. Zbl. Bakt., 2. Abt., 1938–39, **99:** 32–4.

—— Periodicals.

Annual review of microbiology. Stanford, Calif., v.**1**, 1947–

Archiv für Mikrobiologie; Zeitschrift für die Erforschung der pflanzlichen Mikroorganismen. Berl., v.**1**, 1930–

Boletín biológico; publicación del Instituto de microbiología, micología y parasitología de la Facultad de ciencias médicas, Universidad nacional de La Plata. La Plata, No. 13, 1943–

[California] University of California. Publications in microbiology. Berkeley, No. 1, 1943–

Ergebnisse der theoretischen und angewandten Mikrobiologie. Neudamm, v.**1**, 1943–

Folia microbiologica; Nederlandsch tijdschrift voor mikrobiologie. Delft, v.**1–5**, 1912–19.

Journal (The) of general microbiology. Lond., v.**1**, 1947–

Jurnal epidemiologii i mikrobiologii. Moskva, v.**1–2**, 1932–33.

Jurnal mikrobiologii, epidemiologii i immunobiologii. Moskva, v.**2**, 1925–

Medical microbiology and hygiene. Amst., v.**1**, 1948–

Forms Sect. 4, Excerpta med.

Mikrobiologia; jurnal obshchei [etc.] Moskva, v.**1**, 1932–

Mikrobiologichesky jurnal. Leningr., v.**7–13**, 1928–31.

Mikrobiologichnii jurnal. Kiev, v.**1**, 1934–

Revue de microbiologie appliquée à l'agriculture, à l'hygiène, à l'industrie. Par., v.**3**, No. 5–6, 1937.

—— Problems.

Gildemeister, E. Die kommenden Aufgaben der Mikrobiologie. Reichsgesundhbl., 1937, **12:** 4–7.—**Picken, L. E. R.** The fine structure of biological systems. Biol. Rev. Cambridge Philos. Soc., 1940, **15:** 133–67.—**Rivers, T. M.** The infinitely small in biology. Diplomate, 1941, **13:** 184–6.—**Ruska, H.** Ueber Grenzfragen aus dem Gebiet der Strukturforschung und Mikrobiologie. Deut. med. Wschr., 1941, **67:** 281–6, pl.

—— Societies.

[International] Società internazionale de microbiologie; Sezione italiana. Bollettino. Milano, v.**1–12**, 1929–1940.

For continuation see: **Bollettino della Società italiana di microbiologia**, v. **13**, 1941–

[Italy] Società italiana di microbiologia. Bollettino. Milano, v.**13**, 1941–

Continuation of: **Bollettino della Sezione italiana**; Società internazionale de microbiologia, v.I–**12**, 1929–40.

Nancy, France. Université de Nancy. Faculté de pharmacie. Association des diplômés de microbiologie. Bulletin. Nancy, No. 24/25, 1942–

Schweizerische mikrobiologische Gesellschaft. Verhandlungen ... Jahresversammlung. Basel, No. 3, 1944–

Issued in Schweiz. Zschr. Path. Bakt.

Association suisse des microbiologues. Praxis, Bern, 1942, **31:** 592 (Abstr.)—**Bericht** über die 1. Grossdeutsche (18.) Tagung der Deutschen Vereinigung für Mikrobiologie in Wien vom 26.–30. März 1939. Zbl. Bakt., 1. Abt., 1940, **136:** 1–21.—**Duran-Reynals, F.** The Inter-American Society of Microbiology. Chron. bot., Waltham, 1940–41, **6:** 134.—**Flu, P. C.** [Recent history; further adventures of the Netherlands Society for Microbiology] Antonie van Leeuwenhoek, Amst., 1936, **3:** 101–9.—**Folpmers, T.** [Report of the meeting of the Netherlands Society for Microbiology, November 12, 1938, Utrecht] Ibid., 1938–39, **5:** 67–73.—**German** (The) Society for Microbiology. J. Am. M. Ass., 1939, **113:** 346.—**Klein, A.** [Foundation of the Netherlands Society for Microbiology] Antonie van Leeuwenhoek, Amst., 1936, **3:** 92–100.—**Kraus, R.** Zur 10jährigen Tagung der Deutschen Vereinigung für Mikrobiologie. Zschr. Immunforsch., 1924, **41:** 493–6.—**Krehnke.** 18. Congresso della Società tedesca di microbiologia, Vienna, 26–30 marzo 1939. Rass. internaz. clin. ter., 1939, **20:** 655–61.—**Microbiological** Society of Palestine. J. Am. M. Ass., 1943, **121:** 1105.—**Mitgliederliste** der Deutschen Vereinigung für Mikrobiologie. Zbl. Bakt., 1. Abt., 1937, **140:** Beih., 303–8.—**Nederveen, H. J. van** [Reports of the meeting of the Netherlands Society of Microbiology, Nov. 18, 1933, Utrecht] Ned. tschr. hyg. microb., 1934, **8:** 340–56. ——— [Report of the meeting of the Netherlands Society for Microbiology] Antonie van Leeuwenhoek, Amst., 1935, **2:** 8; 112; 1936, **3:** 83; 254.—[**Report** of the meeting of the Netherlands Society of Microbiology, April 2, 1938, The Hague] Ibid., 1938–39, **5:** 4–14.—**Society** for General Microbiology; inaugural meeting. Nature, Lond., 1945, **155:** 340.—**Society** for General Microbiology. Ibid., 796.—**Wohlfeil, T.** Bericht über die 1. Grossdeutsche (18.) Tagung der Deutschen Vereinigung für Mikrobiologie vom 27. bis 30. März 1939 in Wien. Zbl. Bakt., 1. Abt., 1939, **134:** Beih., 1–330.

MICROBIOPHOTOMETRY.

See also **Microbe**, Cultivation; **Microorganism**, Cultivation.

Faguet, M. Etude photométrique de la multiplication microbienne. C. rend. Acad. sc., 1935, **200:** 498–500. ——— Inscription graphique de la multiplication microbienne; variation de la phase de latence en fonction du nombre de germes ensemencés. C. rend. Soc. biol., 1937, **126:** 967. ——— La technique des enregistrements continus des courbes de croissance microbienne par le microbiophotomètre. Schweiz. med. Wschr., 1946, **76:** 1135–8. ——— & **Nitti, F.** Enregistrement continu des courbes de croissance microbienne à l'aide du microbiophotomètre. Ann. Inst. Pasteur, Par., 1943, **69:** 126–8.

MICROBIOTIC.

See in 5. ser., **Antibiotic.**

MICROBISM.

See also **Bacillus-carriers; Infection,** latent.

Albespy. Communication sur le microbisme latent. Montpellier méd., 1916, **39:** 205–9.—**Hess, L.** Zur Frage des latenten Mikrobismus. Zbl. Bakt., 1. Abt., 1907, **44:** Orig., 1–10.—**Le Ray.** Microbisme latent; sa fréquence, ses effets, ses conséquences. Arch. gén. méd., Par., 1905, **2:** 2241–50.—**Masmonteil, F.** Trois observations de microbisme latent. Mém. Acad. chir., Par., 1946, **72:** 444.—**Vecchi, A.** Sul così detto microbismo latente. Arch. sc. med., Tor., 1908, **32:** 409–70.

MICROBLASTOSPORION.

See also **Saccharomycetaceae; also Torula.**

Ciferri, R. Microblastosporon, nuovo genere di Torulopsidaceae. Arch. Protistenk., 1930, **71:** 420–4.

MICROBOTHRIUM.

See also **Monogenea.**

Jones, E. I. Studies on the Monogenea (Trematoda) of Plymouth; Microbothrium caniculae (Johnstone 1911) Parasitology, N. Y., 1933, **25:** 329–32.

MICROBRACON.

See also **Hymenoptera.**

Glover, P. M., Venkatraman, T. V., & Gupta, S. N. On the function of the feeding tubes of Bracon (Microbracon) greeni Ashm. Current Sc., Bangalore, 1947, **16:** 383.—**Krishnamurti, B., & Seshagiri Rao, D.** A preliminary note on the breeding of a beneficial ectophagous larval parasite (Braconidae) on a laboratory host. Ibid., 1944, **13:** 81.—**Morrill, A. W., jr.** Notes on the biology of Microbracon hebetor. J. Econ. Entom., 1942, **35:** 593.—**Smith, H. D.** Laboratory rearing of Microbracon vestiticida Vier. on the bean weevil, with notes on the life history of the parasite. Ibid., 1943, **36:** 101–4.

MICROBURET.

See under **Buret.**

MICROBURNER.

See also **Laboratory,** Instruments.

Cool, R. D. An inexpensive microburner. Chemist Analyst, 1939, **28:** 23; 1941, **30:** 68.

MICROCAMERA.

See under **Microcinematography; Microphotography; Photography.**

MICROCEPHALUS [& microcephaly]

See also **Brain,** Abnormities; **Head,** Abnormities; **Mental defective,** Associated defects; **Mental deficiency,** Pathology.

Buckmann, P. W. F. *Mikrocephalie [Greifswald] 25p. 8° Osnabrück, 1934.

Amati, G. Contributo clinico allo studio della microcefalia. Rass. internaz. clin. ter., 1932, **13:** 56–70, 3 pl.—**Bais** [Microcephaly] Geneesk. tschr. Ned. Indië, 1941, **81:** 998.—**Benda, C. E.** Microcephaly. Am. J. Psychiat., 1940–41, **97:** 1135–46, 4 pl.—**Brushfield, T., & Wyatt, W.** Les enfants microcéphales. Arch. internat. neur., Par., 1927, 20. ser., **2:** 12–5. ——— Microcephaly. Brit. J. Child. Dis., 1927, **24:** 24–31.—**Grebe, H.** Mikrokephalie, Mikrocephalie oder Mikrozephalie? Med. Klin., Berl., 1943, **39:** 629.—**Klöppner, K.** Mikrocephalie beim Neugeborenen. Zbl. Gyn., 1939, **63:** 871–82.—**Morrow.** A little fellow. Case Rep. Child. Mem. Hosp. Chicago, 1945, **4:** 395–8.—**Netto, B.** Considerações sobre um nanocrânio. Arq. Inst. Benjamin Baptista, 1941, **7:** 103–14.—**Whitney, E. A.** Microcephaly. Med. J. & Rec.. 1932. **135:** 166-8.

—— Clinical aspect.

Almeida, L. de. Encefalopatias infantis. Coimbra méd., 1945, **12:** 1–37.—**Brushfield, T., & Wyatt, W.** Microcephalic children. Brit. J. Child. Dis., 1926, **23:** 265–70.—**Bueno Ituarte, R.** Un caso de nanocefalia en un negro. Bol. Inst. pat. méd., Madr., 1946, **1:** 85–8.—**Filo, E.** [An unusual case of microcephalia] Bratisl. lek. listy, 1928, 8: 202–12.—**Giannelli, V.** Due idioti microcefalici. Rass. stud. psichiat., 1930, **19:** 217–47.—**Karlson, S.** [Case of microcephaly] Hygiea, Stockh., 1936, **98:** 115–20.—**Kürbitz, W.** Mikrocephalie und Schwachsinn. Arch. Psychiat., Berl., 1931, **94:** 172–97.—**Kujath, G.** Ueber Mikrozephalie bei einem 4½jährigen Mädchen. Mschr. Psychiat., 1937, **97:** 229–56.—**Mayer, C., & Reisch, O.** Klinische Studie an zwei Mikrocephalen nebst Bemerkungen zur Auffassung der Mikrocephalie. Arch. Psychiat., Berl., 1929–30, **89:** 662–89.—**Meltzer.** Demonstration der verschiedensten Formen mikrocephaler Idiotie und Mikrocephalie. Klin. Wschr., 1928, **7:** 1938.—**Modi, N. J.** Microcephaly. Ind. J. Pediat., 1934–35, **2:** Suppl. 1, 310–3, 2 pl.—**Nikolsky, I. N.** [Case of microcephaly in a young child] Pediatria, Moskva, 1928, **12:** 567–76.—**Vanelli, A.** Quattro casi di microcefalia. Rass. studi psichiat., 1931, **20:** 1204–31.

—— Etiology.

See also **Birth injury,** intracranial; **Cranium,** Abnormities; **Hydrocephalus; Syphilis, prenatal.**

Apert, E., Stevenin, H., & Benoist, F. Microcéphalie posthydrocéphalique. Bull. Soc. pédiat. Paris, 1926, **24:** 142–4.—**Cruchet & Dupin, J.** Présentation d'une microcéphale; influence possible des vapeurs de pétrole. J. méd. Bordeaux, 1938, **115:** 512–4.—**Fincher, E. F.** Microcephalus secondary to birth trauma. J. Neurosurg., 1944, **1:** 265–74 [Discussion] 339.—**Fürstenheim.** Die Entstehung der Kleinköpfigkeit. Verh. Ges. phys. Anthrop., 1929, **3:** 41–9.—**Gautret & Guinaudeau.** Fœtus microcéphale. Bull. Soc. obst. gyn. Paris, 1928, **17:** 237.—**Jelgersma, H. C.** [Causes of malformations especially of microcephaly] Ned. tschr. geneesk., 1929, **73:** pt 2, 5700–8. Also German transl. Zschr. ges. Neur. Psychiat., 1930, **125:** 83–91.

—— experimental.

Patch, C. L. Microcephaly; a report on the Shah Daulah's mice. Ind. M. Gaz., 1928, **63:** 297–301.—**Töndury, G.** Ueber experimentell erzeugte Mikrokephalie bei Urodelen. Arch. Entwmech., 1937, **136:** 529–62. ——— Weitere Beiträge zur Frage der Kopfentwicklung bei Urodelen; Erzeugung von Mikrokephalie durch Einwirkung von Lithiumchlorid auf die Gastrula von Triton alpestris. Ibid., 1937–38, **137:** 510–39.

—— Genetics.

Aráoz Alfaro, G., & Velasco Blanco, L. Breves consideraciones sobre una afección heredo-familiar. Arch. amer. med., B. Air., 1927, **3:** 23–5.—**Delay, J., & Pichot, P.** Maladie microcéphalique familiale et pseudo-microcéphalies symptomatiques; valeur diagnostique de l'encéphalographie gazeuse. Ann. méd. psychol., Par., 1946, **104:** pt 2, 236–9.—**Fattovich, G.** Sulla microcefalia vera familiare. Note psichiat., Pesaro, 1946, **72:** 7–19.—**Grebe, H.** Beitrag zur familiären Mikrocephalie. Zschr. menschl. Vererb., 1939–40, **24:** 506–15.—**Halperin, S. L.** Three pedigrees of microcephaly; with a note on their genetic implications. J. Hered., 1944, **35:** 211–4.—**Jacob, H.** Eine Gruppe familiärer Mikro- und Mikrencephalie. Zschr. ges. Neur. Psychiat., 1936, **156:** 633–45.—**Newton, L., & McLean, T. S.,** jr. Microcephaly in three successive pregnancies. Connecticut M. J., 1947, **11:** 617–9.—**Parhon, C. J., Ballif, L., & Lavrénenco, N.** Microcéphale familiale; acromicrie et syndrome adipeux-génital. Rev. fr. endocr., 1929, **7:** 307–18.—**Paterson, D.** Case of familial microcephaly. Proc. R. Soc. M., Lond., 1925–26, **19:** Sect. Stud. Dis. Child., 60.—**Ruttner, F.** Beitrag zum Erbbild der Mikrokephalie. Erbarzt, 1944, **12:** 93–105.

—— Head and brain.

Stumpenhausen, H. *Beiträge zum klinischen Bild und zur Morphologie der Mikrocephalie sowie zur Frage ihrer Erbbiologie [Kiel] 51p. 21cm. Würzb., 1937.

Berliner. Das Gehirn der bekannten Mikrocephalin M. B. Arch. Psychiat., Berl., 1927, **81:** 755.—**Brummelkamp, R.** Caractère anthropoïde du cerveau dans un cas de microcéphalie. Acta neerl. morph., 1941–42, **4:** 135–60.—**Cappon, D.** Intracerebral calcification in a microcephalic. Lancet, Lond., 1948, **1:** 795, pl.—**Courville, C. B.** Congenital malformation of the cerebrum associated with microcephaly. Bull. Los Angeles Neur. Soc., 1936, **1:** 2–4.—**Fattovich, G.** Considerazioni su di un caso di microcefalia con eterotopia della sostanza grigia. Note psichiat., Pesaro, 1948, **74:** 151–63.—**Fontes, V.** La microcéphalie en rapport à quelques types morphologiques. Arq. anat., 1937, **18:** 215–25. Also Verh. Anat. Ges., 1937, **44:** 197.—**Freeman, W.** Microcephaly and diffuse gliosis; a clinico-pathological study of four cases. Brain, Lond., 1927, **50:** 188–215.—**Gartner, S.** Congenital retinal folds and microcephaly; report of a case. Arch. Ophth., Chic., 1941, **25:** 93–100.—**Hara, S.** Ueber den Schädel eines Mikrokephalen. Fol. anat. jap., 1927, **5:** 1–8, 2 pl., 2 tab.—**Ilberg, G.** Ein mikrocephaler Fetus ohne Augen und Nase mit schweren Defekten des Vorderhirns, Kleinhirns, inneren Ohres und der endokrinen Drüsen. Zschr. ges. Neur. Psychiat., 1935–36, **154:** 1–17.—**Jäger, O.** Beschreibung eines Mikrocephalengehirns. Zschr. ges. Anat., 2. Abt., 1925–26, **12:** 728–39.—**Keen, J. A.** Microcephaly in a newborn infant with almost total absence of brain. S. Afr. M. J., 1942, **16:** 116–21.—**Lebzelter, V.** Ueber einen zwerghaften Singhalesenschädel. Zschr. Morph. Anthrop., 1932–33, **31:** 276.—**Lopes de Andrade, A.** Um microcefalo; observação anátomo-clínica. Arq. anat., (1926) 1927, **10:** 383–99.—**Morselli, G. E.** Microcefalia ed encefalografia. Riv. sper. freniat., 1934, **58:** 1356–60.—**Mouriquand, Bernheim & Gardère.** Microcéphalie avec aspect anthropoïde. Lyon méd., 1926, **138:** 404.—**Nagtegaal, C. G.** An interesting arrangement of fissures in the brain of a microcephalic idiot. Proc. Akad. wet. Amsterdam, 1929, **32:** pt 2, 786–92, 2 pl.—**Rostan, A.** Contributo allo studio della morfologia di cervelli microcefalici. Riv. pat. nerv., 1934, **43:** 327–30.—**Turkewitsch, B. G.** Eigentümlichkeiten im anat-

mischen Bau des knöchernen inneren Ohres bei Mikrocephalia. Frankf. Zschr. Path., 1934, **47**: 159–67.

—— Pathology.

LEWENTANER, M. *Pathologische Studie über Microcephalie. 37p. 8° Zür., 1876.

Jelgersma, H. C. [Microcephaly and Bolk's foetalization theory] Ned. tschr. geneesk., 1927, **71**: pt 1, 2843–54. ——— Die sogenannte Entartungszeichen der Mikrocephalen und die Fetalisationslehre. Zschr. ges. Neur. Psychiat., 1928, **112**: 88–100.—**McGavack, T. H., & Reinstein, H.** Brachydactyly, polyphalangism, and brachymetapodism in a moronic individual with microcephaly, internal frontal hyperostosis, and endogenous obesity. Am. J. Roentg., 1941, **45**: 55–62.—**Pedercini, E.** Indagini sul microcefalo Martino. Note psichiat., Pesaro, 1927, 3. ser., **15**: 497–520.—**Skinner, H. H.** A microhydroanencephalic anaric ancyclopic monster. Med. J. & Rec., 1927, **125**: 16–8.

—— radiogenic.

Doll, E. A. Fetal irradiation and microcephalic idiocy; report of a case in litigation. Psychol. Bull., 1941, **38**: 527. ——— & **Murphy, D. P.** A case of microcephaly following embryonic Roentgen irradiation. Am. J. Psychiat., 1929–30, **9**: 871–8. ——— & **Shirlock, M. E.** Microcephaly following maternal pelvic irradiation for the interruption of pregnancy; report of a case. Am. J. Roentg., 1942, **48**: 356–9.—**Goldstein, L.** Radiogenic microcephaly; a survey of nineteen recorded cases, with special reference to ophthalmic defects. Arch. Neur. Psychiat., Chic., 1930, **24**: 102–15. ——— & **Murphy, D. P.** Microcephalic idiocy following radium therapy for uterine cancer during pregnancy. Am. J. Obst., 1929, **18**: 189–95 [Discussion] 281–3.—**Hirvensalo, M.** Ueber röntgenogene fetale Mikrokephalie. Acta paediat., Upps., 1937, **21**: 188–204.—**Magliano, H., Manara, H. I., & Slech, T.** Microcefalia e idiocía; por traumatismo roentgenológico fetal? An. Soc. puericult. B. Aires, 1942, **8**: 165–72 [Discussion] 197.—**Maxfield, F. N.** A case of microcephaly following prenatal Roentgen irradiation. Am. J. Ment. Defic., 1940–41, **45**: 358–65.—**Moody, E.** Maternal responsibility in microcephaly. Arch. Pediat., N. Y., 1933, **50**: 658–61.—**Pauly, R., Cantorné, G., & Bentégeat, J.** Un microcéphale, enfant des rayons X. J. méd. Bordeaux, 1941, **118**: 537–51.—**Zappert, J.** Ueber röntgenogene fötale Mikrozephalie. Arch. Kinderh., 1926–27, **80**: 34–50.

—— true.

BRUNSCHWEILER, H. *Contribution à la connaissance de la microcephalia vera. 129p. 8° Zür., 1928.

Also in Schweiz. Arch. Neur. Psychiat., 1927, **21**: 246; passim.

Brummelkamp, R. [Microcephalia vera] Ned. tschr. geneesk., 1934, **78**: 4286–91. Also Psychiat. neur. bl., Amst., 1935, **39**: 246–52.—**D'Arrigo, M.** Sopra un caso di microcefalia pura con speciale riguardo alle alterazioni delle ghiandole endocrine (ricerche istologiche) Cervello, 1928, **7**: 209–24, 4 pl.—**Greenfield, J. G., & Wolfsohn, J. M.** Microcephalia vera; a study of two brains illustrating the agyric form and the complex microgyric form. Arch. Neur. Psychiat., Chic., 1935, **33**: 1296–1316. Also Tr. Am. Neur. Ass., 1934, **60**: 206–8.—**Monakow, C. von.** Biologisches und Morphogenetisches über die Mikrocephalia vera, 4monatiger echter Mikrocephalus mit einem Hirngewicht von nur 25 gr! Schweiz. Arch. Neur. Psychiat., 1926, **18**: 3–39.—**Riva, E., & De Paoli, M.** Un nuovo caso di microcefalia pura; ricerche antropologiche ed istologiche. Riv. sper. freniat., 1927, **51**: 173–222.

MICROCHEMISTRY.

See also **Analysis,** chemical, micro; **Blood chemistry,** Methods: Micromethods; **Histochemistry; Microphysics; Trace element,** etc.

Benedetti-Pichler, A. A. Microchemistry. Annual Rev. Biochem., 1943, **12**: 639–60.—**Gicklhorn, J.** Mikrochemie und Mikrophysik (ihre biologische Auswertung in Gegenwart und Zukunft) Protoplasma, Lpz., 1927, **2**: 89–125.—**Leuthardt, F.** Les infiniment petits chimiques. Praxis, Bern, 1945, **34**: 323–7.—**Lüdy-Tenger, F.** Mikrochemie im pharmazeutischen Alltag. Schweiz. Apoth. Ztg, 1947, **85**: 213–5.—**Small** stuff. Sc. Illust., N. Y., 1946, **1**: No. 2, 102–4.—**Wilson, C. L.** The teaching of analytical chemistry in Great Britain; with special reference to microchemistry. Nature, Lond., 1945, **156**: 588–90. ——— Microchemistry in Great Britain. Mikrochemie, Wien, 1947–48, **33**: 352–60.

—— Apparatus.

See also **Microtitration;** also under such terms as **Buret,** etc.

Colson, A. F. Some useful microchemical apparatus. Analyst, Lond., 1946, **71**: 322–6, 2 pl.—**Erdös, J.** Mikroapparat für Reaktionen in der Dampf- und Gasphase. Mikrochemie, Wien, 1947–48, **33**: 361–4.—**Grangaud, R.** Microdosage par diffusion des substances volatiles; description d'un nouvel appareil; application au dosage des carbonates et plus particulièrement à ceux de l'os. C. rend. Soc. biol., 1942, **136**: 529–31.—**Kun, E.** A modified Warburg vessel. Science, 1947, **106**: 550.—**New** (A) auxiliary heater for micro analysis. Laboratory, Pittsb., 1939, **10**: 68.—**Scott, F. W.** Suction filter apparatus for micro determinations. Chemist Analyst, 1937, **26**: 56.

—— Congresses.

Verslag van de vergadering van de Sectie voor analytische en microchemie, gehouden op donderdag 23 Juli 1942 te Utrecht. Chem. wbl., Amst., 1943, **40**: 45.

—— History.

Donan, J. Fortschritte der Mikrochemie im Jahre 1913. Mikrokosmos, Stuttg., 1913–14, **7**: 250–7.—**Vaughan, E. J.** Developments in microchemical analysis. Nature, Lond., 1943, **152**: 555.—**Wenger, P.** L'évolution d'une science et la microchimie. Mitt. Lebensmitteluntersuch., Bern, 1943, **34**: 250–62.

—— Manuals and periodicals.

BENEDETTI-PICHLER, A. A. Introduction to the microtechnique of inorganic analysis. 302p. 24cm. N. Y., 1942.

CHAMOT, E. M., & MASON, C. W. Handbook of chemical microscopy. Vol. 2: Chemical methods and inorganic qualitative analysis. 411p. 8° N. Y., 1931.

EMICH, F. Lehrbuch der Mikrochemie. 2. Aufl. 273p. 8° Münch., 1926.

KLEY, P. D. C. Behrens-Kley mikrochemische Analyse. 1. Teil. 4. Aufl. 368p. 24cm. Lpz., 1921.

MIKROCHEMIE. Wien, v.**2**, 1924–

—— medico-biological.

See also **Blood chemistry; Toxicology,** etc.

KING, E. J. Micro-analysis in medical biochemistry. 168p. 22cm. Lond., 1946.

MARTÍNEZ NEVOT, F. Métodos microquímicos de investigación de la sangre y humores. 139p. 23cm. Madr., 1926.

PINCUSSEN, L. Mikromethodik; quantitative Bestimmung der Harn- und Blutbestandteile in kleinen Mengen für klinische und experimentelle Zwecke. 116p. 8° Lpz., 1921. Also 4. Aufl. 200p. 1928. Also 5. Aufl. 225p. 1930.

Fischer, R., & Linser, E. Der mikrochemische Nachweis geringer Mengen von Arbutin und Urson in Pflanzen. Arch. Pharm., Berl., 1930, **268**: 185–90.—**Kirk, P. L.** The application of microchemistry to biochemical analysis. Annual Rev. Biochem., 1940, **9**: 593–616.—**Lieb, H.** Die quantitative mikrochemische Elementaranalyse. In: Handb. Pflanzenanalyse (Klein, G., ed.) Wien, Bd 1, 1931, 149–90.—**Macallum, A. B.** Die Methoden und Ergebnisse der Mikrochemie in der biologischen Forschung. Erg. Physiol., 1908, **7**: 552–651.—**Nichols, R. R., & Eckert, H. W.** Microanalysis. Annual Rep. Div. Laborat. N. York State Dep. Health, 1941, 26–8. Also Annual Rep. N. York State Dep. Health, 1941, 26.—**Reimers, F.** Undersøgelser over mikrokemiske metoder; anvendelse af mikrokemiske metoder i farmakopeen. Dansk tskr. farm., 1947, **21**: 1–13.

—— Methods.

See also **Microcrystal; Microincineration; Microscopy; Microtechnic; Microtitration; Micrurgy,** etc.

HAITINGER, M. Die Fluoreszenzanalyse in der Mikrochemie. 192p. 8° Wien, 1937.

Amelink, F. Identificatie van enkele nieuwere geneesmiddeen langs microchemische weg. Pharm. wbl., Amst., 1948, **83**: 545–60.—**Brandstätter, M.** Zur Methodik der orientierten Aufwachsungsversuche. Mikrochemie, Wien, 1947, **33**: 184–7.—**Chamot, E. M., & Mason, C. W.** Chemical microscopy. In: Standard Meth. Chem. Analysis (Scott, W. W.) 5. ed., N. Y., 1939, 2434–59.—**Colson, A. F.** The rapid micro-analytical determination of carbon and hydrogen in organic compounds. Analyst, Lond., 1948, **73**: 541–7.—**Coujard, R.** Mise en évidence des phénols dans les tissus par formation de polymères du type bakélite; application à la coloration du chondriome. C. rend. Soc. biol., 1942, **136**: 407.—**Dubský, J. V.** Organische Mikroelementaranalyse. In: Meth. org. Chem. (Houben, H. H. M. J., ed.) Lpz., 3. Aufl., Bd 1, 1925, 133–76.—**Engström, A.** Qualitative microchemical analysis by microradiography with fluorescent screen. Experientia, Basel, 1947, **3**: 208. ——— & **Lindström, B.** Histo-

chemical analysis by X-rays of long wavelengths. Ibid., 191–3.—**Häbler, C., & Noetzel, B.** Beiträge zur Mikromethodik. Biochem. Zschr., 1929, **214:** 201–3.—**Hafford, B. C.** The estimation of small quantities of boron and magnesium. Summaries Doct. Diss. Univ. Wisconsin, 1942, **7:** 205–7.—**Houghton, A. A.** Micro determination of mixed methoxy-ethoxy groups. Analyst, Lond., 1945, **70:** 19–21. ——— & **Wilson, H. A. B.** Micro determination of alkoxyl values. Ibid., 1944, **69:** 363–7.—**Ingram, G.** A critical examination of the empty tube combustion method. Ibid., 1948, **73:** 548–51.—**Keller, R.** Neue Methoden in der Mikro-Physiko-Chemie. Biochem. Zschr., 1926, **168:** 88–93.—**Kofler, L.** Ueber Mikroschmelzpunktbestimmung und Mikrosublimation. Arch. Pharm., Berl., 1932, **270:** 293–303, 3 pl. ——— Mikromethoden zur Untersuchung von organischen Stoffen und Stoffgemischen. Mitt. Deut. pharm. Ges., 1942, **19:** 53–6.—**Korenman, I. M.** Kachestvennyi polumikrokhimicheskii analiz. Farmacia, Moskva, 1946, **9:** 12–8.—**Lieb, H.** Die Mikroelementaranalyse nach Pregl. In: Die Fermente (Oppenheimer, C.) Lpz., 5. Aufl., Bd 3, 1929, 197–243.—**Lovell, C.** Simple apparatus for microsublimation. Lancet, Lond., 1946, **2:** 348.—**Lúdy-Tenger, F.** Einige neue mikrochemische Identitätsreaktionen für die pharmazeutische Praxis. Pharm. acta helvet., 1944, **19:** 385–98, 5 pl.—**Martini, A.** Fundamentos y nuevas orientaciones del análisis microquímico. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., **7:** 129–34 [Discussion] 135.—**Rosenthaler, L.** Mikrochemische Identifizierung der festen offizinellen anorganischen Verbindungen. Pharm. acta helvet., 1943, **18:** 637–48.—**Schiller, W.** A system of inorganic qualitative micro analysis. Abstr. Theses Univ. Pittsburgh, 1931, **7:** 196–9.—**Sinkora, F., & Hora, A.** [Refractometric microanalysis] Cas. lék. česk., 1922, **61:** 901–3.—**Strauss, F. B.** A new technique for the ultimate microanalysis of organic compounds. Nature, Lond., 1943, **152:** 446.—**White, E. V., & Wright, G. F.** Microchemical technique; some innovations in the micromethoxyl and microcarbon-hydrogen determination. Canad. J. Res., 1936, **14:** 427–9.—**Wilson, C. L.** Micro-tests for elements in organic compounds. Analyst, Lond., 1938, **63:** 332–5. ——— Some physicochemical methods in microchemistry: viscosity, surface tension and refractive index. Ibid., 1946, **71:** 117.

—— quantitative.

See also **Microtitration.**

Friedrich, A. La pratique de la microanalyse organique quantitative. 387p. 21cm. Par., 1939.

Mika, J. Die exakten Methoden der Mikromassanalyse [Stuttg., 1939] 180p. 25cm. Ann Arb., 1943.

Niederl, J. B., & Niederl, V. Micromethods of quantitative organic elementary analysis. 271p. 8°. N. Y., 1938.

Pregl, F. Die quantitative organische Mikroanalyse. 4. Aufl. [Berl., 1935] 328p. 24cm. Ann Arb., 1945. Also 3. Engl. ed. 271p. 8°. Lond., 1937. Also 4. Engl. ed. 238p. 1945.

Engström, A. Quantitative microchemical and histochemical analysis of elements by X-rays. Nature, Lond., 1946, **158:** 664.—**Hallett, L. T.** Quantitative microchemical analysis. In: Standard Meth. Chem. Analysis (Scott, W. W.) 5. ed., N. Y., 1939, 2460–547.—**Sobel, A. E.** Quantitative microchemistry in clinical laboratories. Laborat. Digest, S. Louis, 1945–46, **9:** No. 3, 1–5.—**Sozzi, J. A.** Microdeterminación gravimétrica de algunos aldehidos y cetonas; vanillina, acetofenona, fluorenona, ciclohexanona, menadiona y furfural. An. farm. bioquím., B. Air., 1943, **14:** 41–7.

—— semi-micro.

Belcher, R., & Godbert, A. L. Semi-micro quantitative organic analysis. 168p. 22cm. Lond., 1945.

Clark, E. P. Semimicro quantitative organic analysis. 135p. 23½cm. N. Y., 1943.

Heisig, G. B. The theory and practice of semimicro qualitative analysis. 331p. 22cm. Phila., 1943.

Smith, L., & Peterson, R. E. The semi-micro adaptation of the Iowa system of qualitative analysis. Proc. Iowa Acad. Sc., 1940, **47:** 171–6.

MICROCHIROPTERA.

Anthony, R., & Vallois, H. Considérations anatomiques sur le type adaptatif primitif des microcheiroptères. Internat. Mschr. Anat. Physiol., 1913, **30:** 169–225, pl.

MICROCINEMATOGRAPHY [i. e., cinemicrography]

See also **Microbiology,** Methods; **Microfilm; Microphotography; Motion picture; Tissue culture,** Recording.

Bayne-Jones, S., & Tuttle, C. An apparatus for motion photomicrography of the growth of bacteria. J. Bact., Balt., 1927, **14:** 157–70, 2 pl.—**Comandon, J.** La micro-cinématographie. Protoplasma, Lpz., 1929, **6:** 627–32.—**Earle, W. R., & Crisp, L. R.** Production of malignancy in vitro; microcinematographic equipment. J. Nat. Cancer Inst., 1943–44, **4:** 147–64.—**Emmett, H.** Cinemicrography in scientific research. J. R. Micr. Soc., Lond., 1943, **63:** 26–33, 4 pl.—**Fortner, H.** Die Punktweg-Methode; ein Verfahren zur quantitativen Auswertung von Mikrokinematogrammen. Zschr. wiss. Mikr., 1933, **50:** 1–62.—**Goetz, A., & Romer, A.** An electric driving and timing apparatus for microcinematography. Rev. Sc. Instrum., 1936, **7:** 6–13.—**Hutchinson, W. G., & McCracken, M. R.** Study of flagella of a fresh water bacterium by motion microphotography and electron micrography. J. Bact., Balt., 1943, **45:** 305 (Abstr.)—**Kahn, M. C.** Motion pictures of the development of bacteria from a single cell. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 160.—**Kaufmann, N.** Mikro-Röntgen-, Schlieren- und Endo-Kinematographie. Ciba Zschr., Basel, 1947, **9:** 3964–9.—**Mühlens, P.** Kine- und Mikrokinematographie als Lehrmethoden. In: Probleme Bakt (Kolle, W.) Lpz., 1935, 19–23.—**Pijper, A.** Filming Vi agglutination and some remarks on microcinematography. J. Biol. Photogr. Ass., 1942–43, **11:** 65–73. ——— & **Poole, L. B.** A simple technique for time lapse cinemicrography. J. Laborat. Clin. M., 1942–43, **28:** 235–41.—**Rosebury, F., & Rosebury, T.** A simplified apparatus for dark-field cinemicrography. Ibid., 1941–42, **27:** 1487–90.—**Rosenberger, H.** Micro-cinematography in medical research. J. Dent. Res., 1928–29, **9:** 343–52.—**Sano, M. E., & Gault, E. S.** Cine-photomicrographic apparatus with constant temperature chamber for tissue culture studies. Proc. Soc. Exp. Biol., N. Y., 1942, **49:** 563–6.—**Scheffer, W.** Ueber mikrokinematographische Aufnahmen. Berl. klin Wschr., 1910, **47:** 536.—**Scheminzky, F., & Kann, S.** Die Verwendbarkeit des Pathé-Schmalfilms für wissenschaftliche Zwecke, besonders für Mikrokinoaufnahmen; Beschreibung einiger neuer Hilfsapparate für die wissenschaftliche Mikrokinematographie. Zschr. wiss. Mikr., 1928, **45:** 11–33.—**Sorgenfrei, P.** Ein neuer Mikro-Kino-apparat zur Herstellung von Reihenbildern von lebenden Mikroorganismen. Ibid., 1912, **29:** 195–9.—**Tuttle, H. B.** Cinephotomicrography In: Med. Physics (Glasser, O.) Chic., 1944, 183–94.

MICROCLIMATE [incl. microclimatology]

See also **Climate; Climatology; Climatotherapy,** artificial; **Meteorobiology;** also **Air,** Purification and conditioning; **Asthma,** Treatment: Air conditioning.

Büttner, K. Die Bedeutung des Mikroklimas für die Klimadosierung. Kongrber. Internat. Kongr. Lichtforsch., 1936, 3. Congr., 700–5. Also Strahlentherapie, 1938, **61:** 705–10.—**Creyx, M., & Cazaux, P.** Climats et microclimats du sud-ouest; des zones sanitaires et de leur perspective d'organisation. J. méd. Bordeaux, 1947, **124:** 398–409.—**Delore, P., & Striffling, M.** Etude du microclimat d'une salle d'hôpital. Techn. hosp., Par., 1946–47, **2:** No. 15, 19–21.—**Eggler, J.** Kleinklimatische Untersuchungen in den Flaumeichenbeständen bei Graz. Bioklim. Beibl., 1942, **9:** 94–110.—**Guiot, G.** Les microclimats. Rev. kinésithér., 1948, 5–7.—**Haurwitz, B., & Austin, J. M.** Microclimatology. In their Climatology, N. Y., 1944, 157–75.—**Matits, L.** [Reply to the article of O. Országh: Importance of microclimate] Orv. hetil., 1938, **82:** 428.—**Meyer, E. G.** Zimmerklimatische Studien. Strahlentherapie, 1942–43, **72:** 347.—**Országh, O.** [Importance of microclimate] Orv. hetil., 1938, **82:** 358–60.—**Wachsmuth, G.** Die Pflanze im Kraftfeld der Erde; Makroklima und Mikroklima. In his Erde & Mensch, Kreuzlingen, 1945, 346.

MICROCOCCACEAE.

See also **Eubacteriinae;** see also genera of Coccaceae as **Gaffkya; Micrococcus; Sarcina.** For older literature see **Staphylococcus,** in 3. ser., also **Gonococcus; Meningococcus.**

Blair, J. E. The staphylococci. In: Bact. Mycot. Infect. Man (Dubos, R. J.) Phila., 1948, 325–43.—**Foubert, E. L., jr, & Douglas, H. C.** Studies on the anaerobic micrococci; taxonomic considerations. J. Bact., Balt., 1948, **56:** 25–34.—**Hucker, G. J.** The agglutination reaction as a test for differentiating the micrococci. Zbl. Bakt., 2. Abt., 1926, **68:** 8–16. ——— Further studies on the classification of the micrococci. Ibid., 1. Abt., 1929, **111:** 9–22. ——— & **Robertson, A. H.** The agglutinability of strains of micrococci isolated from similar habitats. Ibid., 2. Abt., 1926, **68:** 1–8.—**Isaacs, A., & Scouller, J. M.** Catalase production by gram-positive cocci; a simple test for differentiating enterococci from micrococci. J. Path. Bact., Lond., 1948, **60:** 135.—**Nunheimer, T. D., & Fabian, F. W.** Respiratory studies of the micrococci. J. Bact., Balt. 1942, **44:** 215–32.

MICROCOCCIN.

See also **Micrococcus pyogenes,** Antibiosis.

Su, T. L. Micrococcin, an antibacterial substance formed by a strain of Micrococcus. Brit. J. Exp. Path., 1948, **29:** 473–81.

MICROCOCCOSIS.

See also under clinical types of infection as **Abscess; Cellulitis; Pyemia; Sepsis; Suppuration;** also under specific names of micrococci as **Micrococcus pyogenes** (var. **aureus**) Infection; also **Micrococcus sepsis.**

BEZANÇON, F., & PHILIBERT, A. Infections à microcoques. p.17–134. 8° Par., 1935.

In: Précis path. méd. (Bezançon, et al.) 2. éd., Par., 1935, **1**:

Bradford, W. L. Staphylococcal infections. In: Child in Health, &c. (Grulee, C. G.) Balt., 1948, 294–9.—**Butler, E. C. B., & Valentine, F. C. O.** Further observations on acute staphylococcal infection. Lancet, Lond., 1943, **1**: 194–7.—**Campbell, A. C. P.** The incidence of pathogenic staphylococci in the throat, with special reference to glandular fever. J. Path. Bact., Lond., 1948, **60**: 157–69.—**Carey, B. W.** Staphylococcal infections. In: Advance. Pediat., N. Y., 1942, **1**: 106–8.—**Dowling, G. B.** Staphylococcal infections. Med. Press & Circ., Lond., 1926, n. ser., **122**: 380–4.—**Engeland.** Die pathogenen Staphylokokken an Bord. Veröff. Marine San., 1914, H. 10, 1–42.—**Farrag, H.** Study on micrococci. Vet. J., Lond., 1948, **104**: 388, 2 pl.—**Forman, L.** Some staphylococcal infections. Guy's Hosp. Gaz., Lond., 1934, **48**: 120–2.—**Frankau, C.** Staphylococcal infections. Tr. M. Soc. London, 1934, **57**: 103–21.—**Gross, H.** Die Staphylokokkeninfektionen. In: Ansteck. Krankh. (Gundel, M.) 3. Aufl., Lpz., 1944, 85–93.—**Huard, P., & Meyer May, J.** L'infection staphylococcique aux colonies. Ann. méd. pharm. col., Par., 1936, **34**: 793–938, 7 pl. Also Rev. chir., Par., 1936, **55**: 439–58.—**Huard, P., & Montagné, M.** L'infection staphylococcique aux colonies. In: Clin. chir. pays chauds (Botreau-Roussel) Par., 1938, 136–55.—**Hughes, W.** Staphylococcal infections at Singapore. Q. J. Med., Oxf., 1938, **7**: 537–53.—**Joyce, J. L.** A study of staphylococcal disease. Guy's Hosp. Rep., Lond., 1930, **80**: 169–93.—**Lovell, R. I., & Jones, T. C.** Notes on sporadic infection by staphylococci. Vet. Bull., Wash., 1938, **32**: 252–4.—**Macaigne, M.** Staphylococcie. In: Nouv. traité méd. (Roger) Par., 1920, **1**: 262–78.—**Martelli, C.** Stafilococcie Rinasc. med., 1929, **6**: 227–9. Also in Lez. med. biol. (Martelli) Nap., 1930, 516–24.—**Meyer, F.** Die menschliche Staphylokokken-Infektion (Krankheitsbild, Diagnose, Behandlung) Jahrkurs. ärztl. Fortbild., 1931, **22**: H. 10, 34–43.—**Moore, J.** A remarkable staphylococcic infection. Tr. R. Acad. M. Ireland, 1911, **29**: 16–20. Also Dublin J. M. Sc., 1911, **130**: 27–9.—**Morian.** Staphylokokkeninfektionen. Berl. klin. Wschr., 1913, **50**: 91.—**Panton, P. N., & Valentine, F. C. O.** Staphylococcal infection and re-infection. Brit. J. Exp. Path., 1929, **10**: 257–62, pl.—**Phemister, D. B.** Staphylococcus infections. Proc. Interst. Postgrad. M. Ass. N. America (1930) 1931, **6**: 152–4.—**Pires de Mesquita, E.** Estafilococcias. Rev. Inst. Adolfo Lutz, S. Paulo, 1944, **4**: 1–181, 3 pl. ——— As estafilococcias em higiene e saúde pública. Hospital, Rio, 1945, **27**: 245–60.—**Quervain, F. de.** Ueber einen ungewöhnlichen Fall von Staphylokokkeninfektion. Schweiz. med. Wschr., 1926, **56**: 449–51.—**Smith, W., Allison, V. D., & McDiarmid, A.** Discussion on staphylococcal infections. Proc. R. Soc. M., Lond., 1948, **41**: 427–30.—**Staphylococcal** infection. Brit. M. J., 1933, **1**: 1167–9.—**Staphylococcal** infection in a maternity home. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1942, **1**: March, 7.—**Stookey, P. F., & Ferris, C. R.** Staphylococcal infections in the human body. South. M. J., 1942, **35**: 761–5.—**Thiroux, A.** A propos des staphylococcies chez les indigènes des colonies françaises. Presse méd., 1938, **46**: 33–5.—**Wolff, L. K.** [Staphylococcus infections] Ned. tschr. geneesk., 1935, **79**: 1203–11.

—— Allergy.

Bocage, A., & Mercier, P. L'intradermoréaction à la toxine staphylococcique chez l'homme. C. rend. Soc. biol., 1936, **121**: 937–9.—**Bonnet, H., Thieffry, S., & Sabetay, C.** Réaction intradermique à la toxine staphylococcique chez l'homme. Ibid., 1937, **124**: 240–3.—**Coggi, G.** Studi sulle infezioni stafilococciche; l'allergia nel decorso delle infezioni da stafilococco; studio clinico e sperimentale. Boll. Ist. sieroter. milan., 1939, **18**: 281–315.—**Costantini, P.** L'allergia nelle infezioni stafilococciche curate con autovaccini. Ibid., 1932, **11**: 691–702.—**Debré, R., Bonnet, H.** [et al.] Réaction intradermique à la toxine staphylococcique chez l'homme. C. rend. Soc. biol., 1935, **119**: 792–4.—**Gernez, C., & Pannequin, C.** L'intradermoréaction à la toxine et à l'anatoxine staphylococciques comme test de l'immunité et de l'allergie antistaphylococciques chez l'homme. Rev. immun., Par., 1937, **3**: 97–135.—**Ivanov, E. V.** [Antistaphylolysin reaction in surgical diseases and pulmonary tuberculosis] Vest. mikrob., 1926, **5**: 259–62.—**Julianelle, L. A., Jones, D., & Hartmann, A. F.** Experimental hypersensitiveness to Staphylococcus. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32**: 945–8.—**Moriconi, L. M.** Oftalmoreazione stafilococcica. Riforma med., 1926, **42**: 723–6.—**Pugnani, E.** Sul comportamento della intradermoreazione da stafilococco nella cavia in pianura ed in alta montagna in rapporto alle radiazioni solari. Gior. batt. immun., 1931, **7**: 857–63.—**Smagin, G. A.** [Cutaneous reaction to staphylotoxin in children and adults] Ter. arkh., 1937, **15**: 604–10.—**Smirnov, P. P.** Expériences visant à obtenir l'anaphylaxie des animaux au moyen des microbes et des histolysats de l'oreille humaine. Acta otolar., Stockh., 1938, **26**: 12–7.—**Türk, E.** Untersuchungen über Staphylotoxin-Reaktionen bei Kindern. Zschr. Immunforsch., 1941, **100**: 198–236.

—— epidemic.

Elliott, S. D. Staphylococcal nursery. Lancet, Lond., 1942, **2**: 440.—**Fremantle, F.** Report on an epidemic of a micrococcal infection simulating scarlatina, influenza, meningitis, etc. Pub. Health, Lond., 1905–06, **18**: 457–61.—**Hobbs, B. C.** Epidemic staphylococcal infections in nursing homes. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 11–7.

—— Food infection.

See also **Food poisoning; Gastroenteritis; Meat poisoning; Micrococcus pyogenes,** Enterotoxin.

Abele, C. A., & Damon, S. R. An outbreak of gastroenteritis caused by milk-borne staphylococci producing an enterotoxin. J. M. Ass. Alabama, 1939–40, **9**: 1–4.—**Allison, V. D., Hobbs, B. C., & Martin, P. H.** A widespread outbreak of staphylococcal food poisoning. Month. Bull. Min. Health Gr. Britain, 1949, **8**: 38–47.—**Azzi Leal, R.** Considerações sôbre as intoxicações alimentares de origem estafilocócica. Rev. clín. S. Paulo, 1941, **9**: 1–10.—**Bamm, B. L.** [Food poisoning caused by staphylococci] J. mikrob., Moskva, 1942, 91–5.—**Barrett, H. V.** The use of Chapman's in vitro tests for food-poisoning staphylococci in milk. J. Bact., Balt., 1941, **42**: 286.—**Barton, E. L., Edge, G. E. A., & Hardman, R. P.** Phage typing in the investigation of an outbreak of food poisoning of staphylococcus etiology. Canad. J. Pub. Health, 1948, **39**: 76.—**Belam, F. A.** Staphylococcal food-poisoning by meat-pie jelly. Lancet, Lond., 1947, **1**: 64.—**Bertarelli, E.** Le tossinfezioni alimentari da stafilococco. Med. internaz., Milano, 1948, **56**: 19–22.—**Bradshaw, D. B.** Staphylococcal food poisoning. Med. Off., Lond., 1943, **69**: 71.—**Bronstein, L. G.** [Rôle du staphylocoque dans les intoxications alimentaires] Hig. & zdorov., 1941, **6**: No. 3, 35–40.—**Buttiaux, R., Gervois, M., & Liégeois, D.** Intoxications alimentaires dues à certains staphylocoques pathogènes. Arch. mal. app digest., Par., 1947, **36**: 90–4.—**Buttiaux, R., & Paris, J.** Au sujet des toxiinfections d'origine alimentaire dues à certains staphylocoques pathogènes. Acta gastroenter. belg., 1948, **11**: 1–6.—**Chapman, G. H.** Culturally typical food-poisoning staphylococci in persons with low-grade illness. J. Bact., Balt., 1941, **41**: 74. ——— The value of biochemical properties in studies of staphylococcus food poisoning. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., **5**: 377–93. ——— A suggestion for the rapid presumptive examination of foods suspected of having caused staphylococcal food poisoning. Food Res., 1944, **9**: 377.—**Caudill, F. W., & Humphrey, E. C.** Staphylococcus food poisoning; report of an outbreak. Kentucky M. J., 1939, **37**: 373.—**Dack, G. M.** Staphylococcus food poisoning. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., **5**: 361. ——— Staphylococcus food poisoning still a serious problem. Pub. Health News, Trenton, 1946–47, **28**: 218–20. Also Food Indust., 1947, **19**: 1868, &c. ——— **& Cary, W. E.** Experimental staphylococcus food poisoning in thirty-two human volunteers. J. Bact., Balt., 1937, **33**: 49.—**Davey, J. E., Deadman, W. J., & Elliott, F. J.** A fourth outbreak of staphylococcal food poisoning in Hamilton, Canada, May, 1941. Canad. Pub. Health J., 1942, **33**: 82–5.—**DeLay, P. D.** Staphylococcal enterotoxin in bread pudding. Bull. U. S. Army M. Dep., 1944, No. 72, 71–3.—**Dolman, C. E.** A small outbreak of staphylococcal food poisoning in Vancouver. Canad. Pub. Health J., 1936, **27**: 494–7.—**Dorling, G. C.** Staphylococcal food-poisoning due to contaminated soup. Lancet, Lond., 1942, **1**: 382.—**Felsenield, O.** Contribution à l'étude des staphylocoques agents de toxi-infections alimentaires. Rev. hyg., Par., 1938, **60**: 533.—**Gernez-Rieux, C., Buttiaux, R., & Brogniart.** Les toxi-infections alimentaires provoquées par le staphylocoque. Presse méd., 1947, **55**: 565.—**Getting, V. A., Rubenstein, A. D., & Foley, G. E.** Staphylococcus and streptococcus carriers; sources of food-borne outbreaks in war industry. Am. J. Pub. Health, 1944, **34**: 833–40.—**Gillespie, E. H.** An outbreak of staphylococcal food poisoning; the possible source traced by means of bacteriophage typing. Month. Bull. Min. Health Gr. Britain, 1947, **6**: 8–10.—**Giovanardi, A.** Le intossicazioni alimentari da stafilococco. Rass. clin. sc., 1940, **18**: 449–54. Also Portug. transl., Resenha clín. cient., S. Paulo, 1941, **10**: 143–8.—**Grant, K. J., & McMurray, J.** An outbreak of staphylococcal food poisoning. Month. Bull. Min. Health Gr. Britain, 1948, **7**: 133–5.—**Hakeem, A. Z.** An outbreak of food poisoning traced back to staphylococci. Bull. Hyg., Lond., 1941, **16**: 531 (Abstr.)—**Haugh, P., & Petran, E.** Staphylococci food poisoning. Annual Rep. Bur. Bact. Maryland Dep. Health, 1944, 19.—**Haynes, W. C., & Hucker, G. J.** The food poisoning micrococci. J. Bact., Balt., 1944, **48**: 262. ——— A review of micrococcus enterotoxin food poisoning. Food Res., 1946, **11**: 281–97.—**Hobbs, B. C., & Thomas, M. E. M.** Staphylococcal food poisoning from infected lambs' tongues. Month. Bull. Min. Health Gr. Britain, 1948, **7**: 261–6.—**Hussemann, D. L., & Tanner, F. W.** Relation of certain cooking procedures to staphylococcus food poisoning. Am. J. Pub. Health, 1947, **37**: 1407–14. ——— A comparison of strains of staphylococci isolated from foods. Food Res., 1949, **14**: 91–7.—**Improved** cat test to determine staphylococcus food poisoning. Gradwohl Laborat. Digest, 1941–42, **5**: No. 9, 5.—**Kodama, T., Hata, M., & Sibuya, Y.** An outbreak of staphylococcal food-poisoning in Yokosuka city. Kitasato Arch., 1940, **17**: 115–26.—**Marche,**

J. Les toxi-infections alimentaires provoquées par certains staphylocoques. J. méd. chir., Par., 1946, 117: 80–8.—**Miller, A. A.** An outbreak of staphylococcal food poisoning probably due to tinned sausage. Month. Bull. Min. Health Gr. Britain, 1948, 7: 178–80.—**Murphy, W. A., & Edward, D. G. F.** An outbreak of food poisoning caused by staphylococcal enterotoxin. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, 3: 100–3.—**Natvig, H.** Stafylokokker og matinfeksjoner. Nord. hyg. tskr., 1948, 58–64.—**Neves da Silva, N.** Intoxicação alimentar de origem estafilocócica; grave surto em cêrca de 500 pessoas. Hospital, Rio, 1945, 28: 411–6. ——— Surtos de intoxicação alimentar estafilocócica e o encontro do portador de germes. Arq. Dep. estad. saúde Rio Grande do Sul (1946) 1947, 137–9. Also Hospital, Rio, 1946, 30: 419–22.—**Nunheimer, T. D., & Fabian, F. W.** Influence of organic acids, sugars, and sodium chloride upon strains of food poisoning staphylococci. Am. J. Pub. Health, 1940, 30: 1040–9.—**Oddy, J. G., & Clegg, H. W.** An outbreak of staphylococcal food-poisoning. Brit. M. J., 1947, 1: 442–4.—**Ødegaard, K., & Lerche, C.** Stafylokokkmatforgiftning; meddelelse om et tilfelle av forgiftning etter spisning av hermetiske reker. Tskr. Norske laegeforen., 1948, 68: 136.—**Outbreak** (An) of staphylococcal food poisoning at Barnstaple. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1943, 2: 73.—**Perkins, J. E.** Food poisoning outbreaks probably due to staphylococcus toxin. Annual Rep. N. York State Dep. Health, 1941, 62: pt 1, 159–72.—**Ritchie, J. M., Murray, D. L., & Holgate, M.** An outbreak of staphylococcal food-poisoning. Lancet, Lond., 1947, 2: 256.—**Roberts, J., Deadman, W. J.** [et al.] The epidemiology of staphylococcal food poisoning in three outbreaks in Hamilton, Canada. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., 5: 369–76.—**Rutherford, P. S.** Two epidemics of staphylococcal toxin food poisoning. J. Canad. M. Serv., 1944–45, 2: 473–6. ——— **& Crowson, C. N.** The bacteriology of an epidemic of staphylococcal food poisoning. Canad. M. Ass. J., 1945, 52: 19.—**Saint-Martin, M.** Les intoxications alimentaires dues au staphylocoque. Union méd. Canada, 1948, 77: 936–42.—**Scott, W. J., & Stewart, D. F.** An outbreak of food poisoning due to staphylococci. Med. J. Australia, 1943, 2: 211.—**Selberg, L.** Fatal staphylococcal poisoning of a breast-fed infant whose mother suffered from staphylococcal mastitis. Acta obst. gyn. scand., 1947, 27: 275–83.—**Slater, B. J., & Norris, J. L.** Food poisoning caused by hemolytic staphylococcus in a defense plant. Am. J. Pub. Health, 1944, 34: 854–6.—**Slocum, G. G.** Studies on food poisoning staphylococci. Abstr. Theses Grad. School Univ. Maryland, 1938–40, 11. ——— Staphylococcal food poisoning. South. M. J., 1942, 35: 765–71. ———— **& Linden, B. A.** Food poisoning due to staphylococci; with special reference to staphylococcus agglutination by normal horse serum. Am. J. Pub. Health, 1939, 29: 1326–30.—**Smith, J. E., & Nagle, N.** An outbreak of staphylococcal food poisoning. J. Missouri M. Ass., 1943, 40: 135.—**Smith, W. W., & Iba, S.** Survival of food-poisoning staphylococci on nut meats. Food Res., 1947, 12: 400–4.—**Soriano, A. M. de.** Los estafilococos como causa de intoxicación alimentaria. Rev. As. argent. diet., 1943, 1: 21–4.—**Staphylococcic** food poisoning. J. Am. M. Ass., 1938, 111: 1568. Also Gradwohl Laborat. Digest, 1942–43, 6: No. 7, 13. Also Med. Off., Lond., 1943, 69: 35.—**Staphylococcal** food poisoning at Leicester. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1942, 1: Dec., 6.—**Stone, R. V.** A staphylococcus index for routine control in food production. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., 5: 395–404.—**Weed, L. A., Michael, A. C., & Harger, R. N.** Fatal staphylococcus intoxication from goat milk. Am. J. Pub. Health, 1943, 33: 1314–8.—**Williams, G. C., Swift, S.** [et al.] Three outbreaks of staphylococcal food poisoning due to ice-cream. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1946, 5: 17–25.—**Wilson, R. J.** Laboratory procedures in staphylococcal food poisoning. Canad. Pub. Health J., 1940, 31: 607–12. ——— Staphylococcal food poisoning. Univ. Toronto M. J., 1940–41, 18: 190–3.

—— Forensic aspect.

Viglino, J. R. O. Muerte provocada por infección estafilocócica; responsabilidad del profesional. Rev. odont., B. Air., 1942, 30: 17–29.

—— Immunology.

See also subheadings of **Micrococcus pyogenes** (Anatoxin; Antitoxin; Antivirus; Enterotoxin, etc.)

DELAUNAY, A. F. M. *De l'immunité antistaphylococcique; étude expérimentale et histopathologique. 262p. 25½cm. Par., 1938.

Antonioli, G. M. Equilibri delle difese immunitarie; l'infezione stafilococcica sperimentale nel coniglio in inanizione e in avitaminosi. Gior. batt. immun., 1931, 7: 797–820.—**Ashcar, H.** Ensaios sôbre imunidade antiestafilocócica. Mem. Inst. Butantan, 1941, 15: 399–421.—**Bentivoglio, G. C., & Moschini, S.** L'immunità antistafilococcica naturale nel lattante e nel bambino. Lattante, 1937, 8: 107–29.—**Bonnet, H., Thieffry, S., & Montefiore, C.** Réaction de fixation du complément dans les infections staphylococciques. C. rend. Soc. biol., 1935, 120: 1058–61.—**Borra, E.** Réactions immunitaires à la suite d'infections expérimentales par des stafilocoques chez des cobayes tuberculeux. Boll. Sez. ital. Soc. internaz. microb., 1931, 3: 705–7.—**Boscardi, F.** Studi sui complessi lipoproteici del siero nell'infezione da stafilococco. Ann. igiene, 1940, 50: 590–603.—**Bryce, L. M., & Burnet, F. M.** Natural immunity to staphylococcal toxin. J. Path. Bact., Lond., 1932, 35: 183–91.—**Ceruti, G.** Equilibrio e difese immunitarie nell'infezione sperimentale da stafilococco. Att, Congr. naz. microb., 1931, 395. Also Gior. batt. immun., 1932, 8: 561–82. Also French transl., Boll. Sez. ital. Soc. internazi microb., Milano, 1931, 3: 312.—**Ciaranfi, E.** L'importanza del fattore permeabilità dei tessuti nel meccanismo dell'immunità ocale verso lo stafilococco. Sperimentale, 1933, 87: 663–78.—**Clemente, G.** Azione profilattica e curativa dei terreni vaccinati nelle infezioni sperimentali da stafilococco (contributo alla dottrina dell'immunità locale) Arch. ital. chir., 1927, 19: 590–614.—**Connor, J. I., & McKie, M.** A study of the antihaemolytic titre of sera of man and animals following staphylococcal infection. J. Path. Bact., Cambr., 1933, 36: 353–7.—**Courmont, T., & Rochaix, A.** De l'immunisation contre le staphylocoque pyogène par voie intestinale. C. rend. Acad. sc., 1912, 156: 572–4.—**Cowan, S. T.** Staphylococcal infection in rabbits; antibacterial and non-specific immunity. J. Path. Bact., Lond., 1939, 48: 545–55.—**Cucco, G. P.** Ghiandole a secrezione interna e difese immunitarie nella infezione sperimentale da stafilococchi. Atti Congr. naz. microb., 1931, 393–5. Also Gior. batt. immun., 1932, 8: 449–78.—**Cuizza, T.** Equilibri delle difese immunitarie dell'organismo; esperienze con l'infezione sperimentale da stafilococco nella cavia. Ibid., 1931, 7: 65–85.—**Del Vivo, G.** Immunità e immunizzazione locale della pelle nelle lesioni da stafilococco (contributo sperimentale e clinico) Gior. ital. derm. sif., 1927, 68: 1353–89.—**Descazeaux, J., & Richou, R.** Recherches sur l'immunité antistaphylococcique naturellement acquise chez différentes espèce animales. Bull. Acad. vét. France, 1935, 8: 374–83.—**Einaudi, M.** Le difese immunitarie di conigli tubercolosi nell'infezione sperimentale con stafilococco. Gior. batt. immun., 1932, 9: 1030–59.—**Faust, F. B., & Etris, S.** Staphylococcal vaccine-toxoid combined in human immunization. J. Immun., Balt., 1943, 46: 315–7.—**Finucci, V.** Equilibrio delle difese immunitarie; localizzazione sperimentale nella milza. Ann. ital. chir., 1934, 13: 678–704.—**Forssman, J.** Staphylococcus immunity. Acta path. microb. scand., 1935, 12: 536–50. ——— On the course of staphylococcus infection in normal and immunised rabbits. Ibid., 1936, 13: 453–8. ——— Ueber die Ursachen der Staphylococcenimmunität. Ibid., Suppl. 26, 116–8. ——— The mechanism in staphylococcal infection and immunity. Ibid., 1937, 14: 468–77. ——— What rôle do staphylococcus lysin against rabbit's blood corpuscles and its antilysin play in staphylococcus infections in human beings? Ibid., 1938, 15: 184–97. ——— A further contribution to the understanding of the immunity to staphylococci. Ibid., 396–425; Discussion, Suppl. 38, 136.—**Franco, E.** Immunité antistaphylococcique et système réticulo-histiocytaire. Boll. Sez. ital. Soc. internaz. microb., 1936, 8: 139–41. ——— Recherches expérimentales sur l'immunité antistaphylococcique. Ibid., 141–3.—**Freedlander, S. O., & Toomey, J. A.** The rôle of clasmatocytes and connective tissue cells in non-specific local cutaneous immunity to staphylococcus. J. Exp. M., 1928, 47: 663–75, 4 pl.—**Gernez, C., & Pannequin, C.** L'intradermo-réaction à la toxine staphylococcique comme test de l'immunité antitoxique naturelle. C. rend. Soc. biol., 1937, 124: 69–72.—**Gratia, A.** Sur l'immunité antistaphylococcique par les mycolysats. Ibid., 1930, 104: 1058.—**Immunology** of staphylococcal infections. Brit. M. J., 1937, 2: 860.—**Jobim, H.** Imunidade antiestafilocócica. Arq. rio grand. med., 1939, 18: 189–95.—**Jona, A.** Equilibri delle difese immunitarie dell'organismo; infezione sperimentale da stafilococco piogeno. Gior. batt. immun., 1932, 9: 126–49.—**Julianelle, L. A.** Experimental staphylococcal infection and passive protection. J. Immun., Balt., 1944, 48: 155–61. ——— **& Hartmann, A. F.** The immunological specificity of staphylococci. J. Exp. M., 1936, 64: 149–59.—**Julianelle, L. A., & Wieghard, C. W.** The immunological specificity of staphylococci; interrelationships of cell constituents. Ibid., 1935, 62: 31–7.—**Kihoiu, A., & Kato, M.** Beitrag zur Staphylokokkenimmunität. Mitt. Med. Akad. Kioto, 1935, 15: 1158.—**Kitching, J. S., & Farrell, L. N.** Staphylococcal immunity. Am. J. Hyg., 1936, 24: 268–84.—**Klopstock, F.** Experimentelle Untersuchungen zur Möglichkeit einer lokalen Immunisierung bei Staphylokokkeninfektionen der Haut. Zschr. Immunforsch., 1935, 86: 213–24.—**Kollath, W., & Herfarth, H.** Versuche über das Wesen der perkutanen Immunisierung gegen Staphylokokkeninfektion bei Kaninchen. Zbl. Bakt., 1. Abt., 1928, 106: 120–33, pl.—**Lominski, I.** Susceptibility and resistance to staphylococcal infection. J. Gen. Microb., Lond., 1949, 3: Suppl., p. ix.—**Lucchetti, G.** L'immunità antistafilococcica naturale nella gravida a termine e nel feto alla nascità. Arch. ostet. gin., 1941, 5: 25–47.—**Lyons, C.** Antibacterial immunity to Staphylococcus pyogenes. Brit. J. Exp. Path., 1937, 18: 411–22.—**Massimello, F., & Fea, G.** Immunità specifica acquisita artificiale e infezione. Gior. batt. immun., 1934, 13: 356–64.—**Orechkina, M. L.** [Antitoxic immunity to staphyloeccus in man] Vest. khir., 1944, 64: 21–8.—**Pettersson, A.** Weitere Untersuchungen über die Immunität gegen die pyogenen Staphylokokken. Zschr. Immunforsch., 1937, 91: 366–81. ——— [Investigations on immunity against pyogenous staphylococci] Hygiea, Stockh., 1938, 100: 42–58. ——— Ueber die immunisierende Wirkung der negativ chemotaktischen Substanz, mit besonderer Berücksichtigung der Immunität gegen die pyogenen Staphylokokken. Zschr. Im-

munforsch., 1939, **95**: 147–68. ——— Immuniteten mot stafylokockinfektion. Nord. med., 1941, **9**: 747–51.—**Peyron, A., Poumeau-Delille, G., & Mercier, P.** Sur les réactions histiocytaires dans les lésions staphylococciques expérimentales de la peau, chez les animaux neufs et immunisés. C. rend. Soc. biol., 1938, **129**: 370–2.—**Ramon, G., Djourichitch, M., & Richou, R.** Sur l'influence des conditions de vie dans l'acquisition de l'immunité antistaphylococcique naturelle chez le cobaye. Ibid., 1936, **121**: 1559–61. ——— Du rôle de l'infection staphylococcique et de la contagion dans l'acquisition de l'immunité antitoxique spécifique; démonstration expérimentale. Ibid., **122**: 611–3. ——— Nouvelles recherches sur l'immunité antistaphylococcique naturellement acquise chez le cobaye. Ibid., 606–9. ——— Sur l'immunité antistaphylococcique naturelle chez le cobaye; étude expérimentale. Rev. immun., Par., 1936, **2**: 375–87.—**Ramon, G., Nelis, P., & Richou, R.** Production de l'immunité chez le lapin, au moyen d'instillations de toxine staphylococcique dans le sac conjonctival; nature de cette immunité. C. rend. Soc. biol., 1935, **118**: 738–41.—**Richou, R.** Acide folique et immunité antistaphylococcique. C. rend. Soc. biol., 1946, **140**: 984.—**Rigdon, R. H.** A study of immunity to staphylococcus toxin in the albino rat. J. Laborat. Clin. M., 1936–37, **22**: 1141–6. ——— Staphylococcic immunity; résumé of experimental and clinical studies. Arch. Path., Chic., 1937, **24**: 233–45.—**Sacchi, P., & Fiori, E.** Evoluzione cronologica dell'immunità antistafilococcica. Gior. batt. immun., 1938, **21**: 574–8.—**Scapaticci, R.** Azione della timectomia sull'immunità naturale antistafilococcica del coniglio. Ibid., 235–55.—**Spink, W. W., & Paine, J. R.** The bactericidal power of blood from patients and normal controls for staphylococci. J. Immun., Balt., 1940, **38**: 383–98.—**Weiss, C.** Natural and acquired immunity to staphylococcic toxin in monkeys. Arch. Path., Chic., 1939, **28**: 754 (Abstr.) ——— A study of natural and acquired immunity to staphylococcal toxin in monkeys. J. Immun., Balt., 1939, **37**: 185–200. ——— **& Taranik, J. D.** A study of natural and acquired immunity to staphylococcal toxin in monkeys. J. Bact., Balt., 1938, **36**: 297.—**Wolff, L. K.** Ueber die Bakterizidie des Blutes bei Patienten mit Staphylokokkenmykosen. Zschr. Immunforsch., 1925–26, **45**: 515–29. Also Ned. tschr. geneesk., 1926, **70**: pt 2, 1411–7; 1927, **71**: pt 1, 1627. ——— Ueber die Bakterizidie von Blut und Serum gegenüber Staphylokokken. Zschr. Immunforsch., 1927, **50**: 543–58.—**Yonemura, N.** Ueber die immunisatorische Einteilung von Staphylococcus pyogenes. Ibid., 1936, **89**: 392–7.

—— Metabolism.

De Mees. L'étain colloïdal dans les infections staphylococciques. Rev. méd., Louvain, 1921, 137.—**Fetzer, H. C.** Untersuchungen über die Beziehungen zwischen Kohlehydratstoffwechsel und experimenteller Staphylokokkeninfektion beim Kaninchen. Arch. Hyg., Münch., 1931–32, **107**: 255–67.—**Nicholson, T. F., & Holman, W. L.** Carbohydrate metabolism and staphylococcus infection in rabbits. Proc. Soc. Exp. Biol., N. Y., 1942, **49**: 75–7. ——— **& Jackson, S. H.** Carbohydrate metabolism and staphylococcus infection in rabbits. J. Path. Bact., Lond., 1940, **50**: 1–9.—**Patel, J.** Sur les liens qui unissent les staphylococcies aux avitaminoses. J. chir., Par., 1939, **53**: 344–51.—**Wohlfeil, T.** Der Tryptophan- und Tyrosingehalt der Serumeiweisskörper (Gesamtproteine, elektrodialytisches Globulin und Albumin) bei der experimentellen Staphylokokkeninfektion des Kaninchens. Zschr. Immunforsch., 1932, **74**: 229–43.

—— Nervous system.

Castaigne, P., & Goury-Laffont, M. Paraplégie au cours d'une staphylococcie aiguë. Bull. Soc. méd. hôp. Paris, 1946, **62**: 364.—**Fiessinger, N., Olivier, H. R., & Arnaudet, A.** A l'occasion de deux cas de myélites staphylococciques guéries. Rev. méd., Par., 1932, **49**: 487–99.—**Forssman, J.** Studies in staphylococci; a contribution to the knowledge of late paralyses in rabbits following staphylococcus infections. Acta path. microb. scand., 1938, Suppl. 37, 155–62.—**Martel, T. de, & Guillaume, J.** Compression médullaire par épidurite et pachydurite chroniques, de nature staphylococcique probable. Rev. neur., Par., 1937, **68**: 739–41.

—— Osteomyelitis.

See also **Osteomyelitis.**

MERCIÉ, C. *Contribution à l'étude de l'anatoxine staphylococcique dans le traitement de l'ostéomyélite. 67p. 25cm. Par., 1938.

Fagge, C. H. Staphylococcal infections; osteomyelitic. Guy's Hosp. Rep., Lond., 1930, **80**: 397–406.—**Felsenfeld, O.** [Types of staphylococcus and their toxins in osteomyelitis] Bratisl. lek. listy, 1937, **17**: 422–9.—**Gross, H.** Die Anwendung von Sera, Impfstoffen und Sulfonamiden in der Behandlung der Staphylokokken-Osteomyelitis. Klin. Wschr., 1942, **21**: 193–6.—**Harrison, M. H. M.** Familial outbreak of staphylococcal infection of bone and joint. Lancet, Lond., 1948, **2**: 727.—**Hite, K. E., Banks, S. W., & Dack, G. M.** Studies on the bacteriology and immunology of chronic staphylococcal osteomyelitis; the cultures involved; the antihemolysin in the patient's serum; and the local inflammatory reaction. J. Infect. Dis., 1938, **62**: 317–29.—**Jacobs, J. E., & Haas, W. R.** A case of acute staphylococcic osteomyelitis and staphylococcemia treated with staphylococcus antitoxin and prompt surgical drainage. Virginia M. Month., 1938, **65**: 231–4.—**Jura, V.** L'etiologia dell'osteomielite da virus filtrabile ricavabile dalle culture di stafilococchi. Arch. ital. chir., 1926, **15**: 121–72.—**Lehmann.** Ueber schleichende Staphylokokkenosteomyelitis. Zbl. Chir., 1939, **66**: 2421. Also Beitr. klin. Chir., 1940–41, **171**: 148.—**Lombard, P.** Les réveils de l'infection staphylococcique rechutes de l'ostéomyélite. Arch. méd. enf., 1938, **41**: 726–35.—**Moiroud, P.** La forme diaphysaire primitive de l'ostéomyélite à staphylocoque de l'adulte. Presse méd., 1937, **45**: 1888.—**Oehlecker.** Staphylokokkenosteomyelitis. Deut. med. Wschr., 1927, **53**: 904.—**Sénèque, J., & Roux, M.** Ostéomyélites staphylococciques primitives de l'adulte. Lyon chir., 1944, **39**: 409–19.—**Valentine, F. C. O., & Butler, E. C. B.** Specific immunity in acute staphylococcal osteomyelitis, with some observations on the causation of pyaemia. Lancet, Lond., 1939, **1**: 973–8.—**Williams, S., & Timmins, C.** An investigation of the source of staphylococcal infection in acute osteomyelitis. Med. J. Australia, 1938, **2**: 687–9.

—— Pathology.

See also under names of clinical forms of micrococcosis as **Abscess; Carbuncle; Cellulitis,** etc.

Austoni, B. Studi sulle infezioni stafilococciche; gli stafilococchi e la loro virulenza nel decorso dell'infezione. Boll. Ist. sieroter. milan., 1939, **18**: 245–80.—**Barber, M.** Staphylococcal infection due to penicillin-resistant strains. Brit. M. J., 1947, **2**: 863–5.—**Bergamini, L.** Localizzazione della mesomucinasi (jaluronidasi) nell'infezione stafilococcica. Boll. Ist. sieroter. milan., 1946, **25**: 199–204.—**Borchardt, W.** Beitrag zur Bedeutung des Cholesterins bei experimenteller Staphylokokkeninfektion der Katze. Klin. Wschr., 1929, **8**: 1179.—**Chapman, G. H.** The incidence of plasma-coagulating staphylococci in the feces of chronic invalids. J. Laborat. Clin. M., 1944, **29**: 938.—**Corrigan, W. J.** Staphylococcal infection accompanied by agranulocytic leukopenia. Canad. M. Ass. J., 1932, **27**: 248.—**Daránvi, J.** The pathology of Staphylococcus. Magy. orv. arch., 1926, **27**: 438–54.—**Davies, J. H. T.** Staphylococcal infection by penicillin-resistant strains. Brit. M. J., 1947, **2**: 1054.—**Drilhon, Busnel & Corre.** Recherches sur la physiologie du tissu normal et pathologique; applications à l'infection staphylococcique dans le domaine des transporteurs d'hydrogène et des ferments respiratoires. Rec. tr. Inst. nat. hyg., Par., 1945, **2**: 195–9.—**Epstein, G. V., Exemplarskaya, E. V.** [et al.] Bedbugs as transmitters of hemolytic staphylococci to experimental animals. Gior. batt. immun., 1936, **17**: 495–501.—**Forssman, J.** Was bedeutet die negativ chemotaktische Substanz für die Staphylokokkeninfektion? Acta path. microb. scand., 1941, **18**: 517–32.—**Iskander, R.** Suppurative processes of staphylococcal origin. J. Egypt. M. Ass., 1929, **12**: 97–101.—**Jona, A.** Infezione sperimentale da stafilococco piogeno in conigli avvelenati con cloruro mercurico. Gior. batt. immun., 1932, **9**: 325.—**Lynch, P. P.** Virulent staphylococcal infections; a clinical and pathological study of 20 cases. Proc. Univ. Otago M. School, 1925, **3**: No. 10, 1–24.—**Marque, E., Le Fers, F., & Gascougnolle, G.** Trois observations de métastases staphylococciques. Bull. Soc. path. exot., Par., 1930, **23**: 668–71.—**Martínez, H. de J.** Estafilococcia experimental. Rev. méd. cubana, 1934, **45**: 548–58.—**Mattlet, G.** Deux abcès d'allure torpide causés par le staphylocoque. Ann. Soc. belge méd. trop., 1929, **9**: 3–7.—**Morgunov, I. N.** [Experimental staphylococcus infection] J. mikrob., Moskva, 1940, 104–14.—**Nicolas, C.** Sur les abcès à staphylocoques en pays chauds. Bull. Soc. chir. Paris, 1928, **20**: 844.—**Rigdon, R. H.** Observations on capillary permeability in areas of inflammation produced by staphylococci. Surgery, 1941, **9**: 436–42.—**Rossides, T. N.** The use of calcium chloride in the formation of experimental staphylococcus abscesses. Arch. Path., Chic., 1927, **3**: 1008.—**Segre, R.** Ricerche sull'infezione sperimentale da stafilococchi coltivati sulle mucose delle vie aeree. Gior. batt. immun., 1933, **10**: 981–90.—**Slovtcov, B. I., & Chernevski, L. N.** [Indophenol-oxydase in the tissues of various animals and its fluctuations in staphylococcus infection] Russ. vrach, 1915, **14**: 844–8.—**Sulamaa, M.** Ueber den Infektionsmechanismus bei chronisch rezidivierenden Staphylokokkenkrankheiten; eine klinisch-bakteriologische Untersuchung speziell über die Furunkulose und ihre Komplikationen. Acta chir. scand., 1946, **94**: 291–319.—**Valentine, F. C. O.** Further observations on the rôle of the toxin in staphylococcal infection. Lancet, Lond., 1936, **1**: 526–31.—**Zironi, A.** Contributo allo studio della patogenesi delle infezioni da stafilococco. Arch. ital. chir., 1938, **54**: 921–30. Also French transl., Rev. immun., Par., 1938, **4**: 130–45.

—— Pneumonia.

Anderson, W. W., & Cathcart, D. F. Primary staphylococcic pneumonia, complicated by empyema, septicemia, multiple abscesses and osteomyelitis of the skull and second metacarpal bone of the right hand with recovery. Am. J. Dis. Child., 1935, **49**: 1276–81.—**Baker, R. D.** Staphylococcal pneumonia during epidemic influenza in North Carolina, 1941. South. M. J., 1942, **35**: 240–7.—**Benward, J. H.** Staphylococcus pneumonia and empyema. J. Lancet, 1947, **67**: 434–6.—**Blumenthal, S., & Neuhof, H.** Staphylococcic (suppurative) pneumonia in infancy

and in childhood and its surgical aspects. Am. J. Dis. Child., 1946, 72: 691–719.—**Bonanno, A. M.** Pneumonie lobaire par staphylocoque. Boll. Sez. ital. Soc. internaz. microb., 1936, 8: 121.—**Boyette, D. P.** Primary staphylococcic pneumonia. North Carolina M. J., 1948, 9: 200–5.—**Cleland, J. B.** Infarct-like areas in the lungs in staphylococcal pneumonia. Med. J. Australia, 1947, 1: 590–2.—**Cohen, P.** Primary bronchogenic staphylococcic pneumonia. Med. Clin. N. America, 1938, 22: 1473–94.—**Davies, W. J.** Staphylococcal pneumonia following upper respiratory tract infection. Med. Times, N. Y., 1944, 72: 229–31.—**Davis, W. S., Hyman, M. E., & Ruhstaller, F. D.** Penicillin as an aid in the treatment of primary staphylococcus pneumonia with empyema. J. Pediat., S. Louis, 1947, 30: 55–63.—**Finland, M., Strauss, E., & Peterson, O. L.** Staphylococcal pneumonia occurring during an epidemic of clinical influenza. Tr. Ass. Am. Physicians, 1941, 56: 139–46. Also Arch. Int. M., 1942, 70: 183–205.—**Gáspár, I. A.** A study of primary staphylococcic pneumonias occurring at the Roehester General Hospital. N. York State J. M., 1941, 41: 834–40.—**Genninger, L. E.** Staphylococcus pneumonia. Arch. Pediat., N. Y., 1943, 60: 419–25.—**Gordon, J.** Case of staphylococcal pneumonia; recovery with sulphathiazole. Lancet, Lond., 1942, 2: 281.—**Guthrie, K. J., & Montgomery, G. L.** Staphylococcal pneumonia in childhood; pathological considerations. Ibid., 1947, 2: 752–5.—**Kanof, A., Kramer, B., & Carnes, M.** Staphylococcus pneumonia; a clinical, pathologic, and bacteriologic study. J. Pediat., S. Louis, 1939, 14: 712–24.—**Lévi-Valensi, A., Sarfati, R., & Kespi, C.** Les formes atypiques de la staphylococcie pulmonaire. Cah. méd., Alger, 1948, 3: 521–34.—**Macgregor, A. R.** Staphylococcal pneumonia. Arch. Dis. Childh., Lond., 1936, 11: 195–204.—**MacKeith, R.** Sulphathiazole in staphylococcal pneumonia. Lancet, Lond., 1941, 2: 354.—**Monkowski, J.** L'histogenèse de la pneumonie expérimentale produite par des staphylocoques chez les oiseaux et le problème de l'épithélium pulmonaire dans ce groupe des vertébrés. C. rend. Soc. biol., 1935, 120: 481–3.—**O'Toole, M.** Staphylococcal pneumonia. Nurs. Times, Lond., 1939, 35: 1140.—**Paterson, D.** Staphylococcal pneumonia with obstructive emphysema. Proc. R. Soc. M., Lond., 1946–47, 40: 165.—**Reimann, H. A.** Primary staphylococcic pneumonia. J. Am. M. Ass., 1933, 101: 514–20.—**Smeenk, C.** Staphylococcus-pneumonieën. Ned. tschr. geneesk., 1946, 90: 418–20.—**Smith, C. M.** Staphylococcal pneumonia among infants in a maternity hospital. Lancet, Lond., 1935, 1: 1204–7.—**Wallace, H. J.** Specimen from a case of staphylococcal pneumonia. Proc. R. Soc. M., Lond., 1936–37, 30: 885. Also Brit. J. Child. Dis., 1941, 38: 26.

—— Sepsis.

See **Micrococcus sepsis.**

—— Site.

See also other subdivisions; also under names of organs and regions.

Baudet, P. M. G. Etude sur certaines formes d'infection musculaire à staphylocoques présentant une évolution froide. Rev. Serv. san. mil., Par., 1938, 109: 3–22.—**Cibert, J., Cavailher, H.** [et al.] Le traitement des staphylococcies rénales par la pénicilline. J. urol. méd., Par., 1946–47, 53: 228–33.—**Coste, F., Demanche, R., & Morin, M.** Staphylo-réaction et rhumatisme staphylococcique. Rev. rhumat., Par., 1939, 6: 945–9.—**Diego, G.** Ricerche sperimentali sulla localizzazione elettiva dello stafilococco. Gior. batt. immun., 1933, 11: 945–73.—**Einaudi, M.** La miosite e la tendosinovite cronica da stafilococco. Minerva med., Tor., 1940, 31: pt 2, 454–9.—**Germain.** Infection staphylococcique simulant un cancer de la prostate et une infiltration d'urine; incision du périnée; guérison. Paris chir., 1914, 6: 204–7.—**Harkness, A. H., & King, A. J.** Staphylococcal infections of the genital tract in the male. Brit. J. Urol., 1938, 10: 379–91.—**Klose.** Die metastasierende Staphylomykose und der perinephritische Abszess. Ther. Gegenwart, 1946–47, 152–6.—**Koslin, I. I.** Primary staphylococcus infections of the nose, lips and face. Ann. Surg., 1931, 94: 7–14.—**Krasavicky, P. M.** Izmíeneniye nadpochechníkh zhelyez pri stafilokokkovoi infektsii. Sborn. v. pam. V. P. Krylova, Kharkov, 1907, 43–54. ——— K voprosu ob izmíenenii pochek pri zarazhenii zhivotnavo gnoyerodním stafilokokkom. Arkh. biol. nauk, S. Peterb., 1909–10, 15: 75–109, pl. Also transl., Arch. sc. biol., S. Petersb., 1910, 15: 75–107, pl.—**Lenormant, C.** Les myosites staphylococciques. J. internat. chir., Brux., 1937, 2: 1–30.—**Masia, A.** Granuloma vegetante pseudotubercolare della regione sottomandibolare sinistra di origine stafilococcica. Gior. ital. derm. sif., 1927, 68: 878–83.—**Pouyanne, Pauly** [et al.] Staphylococcie à localisations osseuses et intracrâniennes, avec délire de revendication et hallucinose occipitale. J. méd. Bordeaux, 1944, 121: 101; passim.—**Rigdon, R. H.** Localization of staphylococci in areas of inflammation produced by xylene. Arch. Surg., 1940, 41: 879–87.—**Scarpellino, L., & Stookey, P. F.** Staphylococcus cellulitis of the face; prophylactic treatment with report of cases. J. Missouri M. Ass., 1939, 36: 239–43.—**Sédallian, P., Bertoye, A.** [et al.] Bulles pulmonaires d'origine staphylococcique. Lyon méd., 1948, 180: 863–5.—**Woodward, F. D.** The staphylococcus in relation to sinusitis, bronchitis and bronchiectasis. Arch. Otolar., Chic., 1936, 24: 753–7.—**Worms, R., & Masse, N. P.** Bulles staphylococciques du poumon. Bull. Soc. méd. hôp. Paris, 1947, 63: 776–9.

—— Skin.

See also names of micrococcal skin diseases as **Acne; Carbuncle; Cellulitis; Erysipelas; Furuncle; Impetigo; Pemphigus; Pyoderma; Staphyloderma;** also **Hair follicle,** Folliculitis; **Sycosis,** etc.

Aranow, H., jr, & Wood, W. B., jr. Staphylococcic infection simulating scarlet fever. J. Am. M. Ass., 1942, 119: 1491–5.—**Benjamini, A.** Un cas de pemphigus staphylococcique foudroyant et les manifestations staphylococciques. Rev. fr. derm. vénér., 1926, 2: 447–9.—**Bercher, J., & Krivine, P.** Staphylococcie à manifestations cutanées et buccales. Rev. stomat., Par., 1930, 32: 296–307.—**Carle.** Le traitement des dermatoses staphylococciques superficielles (acné juvénile, folliculites) Bull. méd., Par., 1926, 40: 506–9.—**Charrier.** Deux cas de staphylococcie pemphigoïde pseudo-syphilitique. Bull. Soc. obst. Paris, 1911, 14: 214–6.—**Fainsilber, M.** De algunas afecciones estafilocócicas; furúnculo, antrax, absceso tuberoso del sobaco, orzuelo; y de la manera de curarlas. Rev. méd., Puebla, 1937, 10: No. 84, 20–6.—**Gougerot, H., & Dreyfus, B.** Staphylococcie érysipélatoïde bénigne; évolution rapide avec abcès de fixation spontané. Bull. Soc. fr. derm. syph., 1937, 44: 1698.—**Griolet.** Pénicillothérapie des affections staphylococciques aiguës de la face et du cou. Bull. Soc. méd. mil. fr., 1946, 40: 61.—**Hach, I., Borodaj, M., & Melnyk, V.** Studien über Gewebeinfektion und Gewebeimmunität; über die Bedeutung der Haut in der Staphylokokkeninfektion bei Kaninchen. Zschr. Immunforsch., 1927–28, 54: 251–68.—**Hudson, W. L.** Staphylococcus infections of the face and lips. Texas J. M., 1926–27, 22: 337–40.—**Kitagawa, K.** Budō-zyō kyūkin-sei tandoku no 1 i-rei. Acta derm., Kyoto, 1942, 39: 440; 1942, 40: 68.—**Kobayasi, S.** Budō-zyō kyūkin-sei tandoku no 2 rei. Ibid., 1941, 38: 215; 313.—**Lemierre, A.** Le stafilococcie maligne della faccia. Riforma med., 1935, 51: 1883.—**Müller, G.** Pemphigoiderkrankungen durch staphylokokkenhaltige Wäsche. Zschr. Hyg., 1948, 128: 440–3.—**Nakao, T., & Kanamaru, K.** Budōzyō-kyūkin-sei tandokusyō no 1 rei. Acta derm., Kyoto, 1941, 38: 449.—**Rathery, F., & Rudolf, M.** Un cas de staphylococcie à type érysipélatoïde. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., 52: 1369–72.—**Sannicandro, G.** La eresipeloide stafilococcica. Dermosifilografo, 1936, 11: 589–94.—**Schulte, T. L.** Perinephritis abscess and multiple metastatic subcutaneous inflammatory nodules caused by a micrococcus; report of case. Proc. Mayo Clin., 1939, 14: 569–72.—**Troisier, J., Bariéty, M., & Brocard, H.** L'érysipélatoïde staphylococcique erratique. Bull. Soc. méd. hôp. Paris, 1936, 3. ser., 52: 381–7.

—— Treatment.

Korves, H. *Untersuchungen über die Behandlung von Staphylokokkeninfektionen bei Mäusen und Kaninchen mit AO1-Bertram [Münster] 20p. 20½cm. Lingen-Ems, 1937.

Blaikley, J. B. Some experiences in the control of staphylococcal infections at Guy's. Guy's Hosp. Gaz., Lond., 1947, 61: 238–46.—**Bockenheimer.** Vereisung bei Staphylokokkeninfektionen. Deut. med. Wschr., 1922, 48: 694. Also Rev. méd. cubana, 1923, 34: 1.—**Calewaert.** Un traitement inédit des phlegmons à staphylocoques. Ann. Soc. belge méd. trop., 1931, 11: 43.—**Cathala, J., & Auzépy, P.** Sur le traitement des staphylococcies; questions de doctrine. Arch. méd. enf., 1938, 41: 711–25.—**Crosnier, R.** Traitement de la staphylococcie; étude d'ensemble; étude critique. Rev. méd., Par., 1936, 53: 148–94.—**Farrell, L. N.** Appraisal of therapeutic agents in experimental staphylococcal infection. Brit. J. Exp. Path., 1940, 21: 302–10.—**Ferris, C. R.** The modern trend in the treatment of staphylococcal infections. J. Missouri M. Ass., 1936, 33: 453–6. Also Ind. M. Rec., 1937, 57: 19–25.—**Hageman, P. O.** Staphylococcal infection. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, 2: 1463–82.—**Hansen, S.** [Staphylococcus infections with special regard to treatment of carbuncles and furuncles] Ugeskr. læger, 1930, 92: 131–3.—**Harrison, R. H.** Staphylococcus infection with case reports and treatment. Texas J. M., 1943–44, 39: 185–8.—**Málek, J., & Málek, P.** Význam difusního faktoru (invasinu) u stafylokokových onemocnění chirurgických. Cas. lék. česk., 1948, 87: 821–5.—**Meyer, F.** The management of staphylococcus infections. Q. Bull. Sea View Hosp., N. Y., 1938–39, 4: 59–62.—**Mills, J.** The treatment of staphylococcal lesions. Berkshire Hosp. Rep. (1936–37) 1938, 105–23.—**Parfentjev, I. A., & Collins, S. W.,** jr. The effects of the injection of glucose upon experimental staphylococcal infection in mice. J. Immun., Balt., 1940, 38: 137–41.—**Patel, J., & Moiroud, P.** Les traitements médicaux, généraux, biologiques et chimiques des staphylococcies. J. prat., Par., 1938, 52: Suppl., 1747; 1795; 1839; 1884.—**Reimann, H. A.** Treatment of staphylococcus infections. In: Treat. Gen. Med., 2. ed., Phila., 1941, 1: 78–84.—**Rigdon, R. H., & Stookey, P. F.** A consideration of therapy in staphylococcus infections. Surgery, 1942, 12: 635–50.—**Sanarelli, G.** L'odierno trattamento specifico delle stafilococcie. Rass. clin. sc., 1937, 15: 141–6.—**Schuckert, P.** Fehler und Komplikationen bei der Behandlung von Staphylokokkenerkrankungen vornehmlich der oberen Gliedmassen. Zbl. Chir., 1948, 73: 737–43.—**Solier, L. F.** Aspects particuliers des staphylococcies chirurgicales en Extrême-Orient. In: Grand

endém. trop. (Inst. hyg. Paris) 1939, **11**: 60–71.—**Toschi, L.** Sul potere antitossistafilococcico del siero di sangue dopo somministrazione di olio di tonno. Pediatria (Riv.) 1939, **47**: 151–61.—**Variava, D. H.** Le traitement des infections staphylococciques. Ann. Inst. actin., Par., 1934–35, **9**: 23–7, 8 pl.

—— Treatment: Antibiotics.

Anderson, D. G., & Keefer, C. S. The treatment of staphylococcic infections with penicillin. Med. Clin. N. America, 1944, **28**: 1029–42.—**Bigger, J. W.** Treatment of staphylococcal infections with penicillin by intermittent sterilisation. Lancet, Lond., 1944, **2**: 497–500.—**Friedmann, I.** Staphylococcal infection due to penicillin-resistant strains. Brit. M. J., 1948, **1**: 27.—**Gallardo, E.** Sensitivity of bacteria from infected wounds to penicillin; results in 112 cases. War Med., Chic., 1945, **7**: 100–3.—**Ingelrans, Watel** [et al.] Trois staphylococcies traitées par la pénicilline. Lille chir., 1946, **1**: 143.—**Pellegrini, M.** Sull'utilità dell'associazione penicillina-anatossina nel trattamento delle affezioni stafilococciche. Atti Accad. fisiocr. Siena, 1947, **15**: 57–61.

—— Treatment: Biological products.

See also **Micrococcus pyogenes,** Anatoxin; also **Micrococcus sepsis,** Treatment.

Bourdon, A. *Le bactériophage; traitement de la staphylococcie et de l'entérite diarrhéique du chien [Alfort] 45p. 8° Par., 1931.

Edelmann, E. *Le traitement des suppurations à staphylocoques chez les mères et chez les enfants pendant les suites de couches, par la vaccination locale (vaccine complexe antistaphylococcique du Doctor Fisch) 34p. 8° Par., 1929.

Ungerer, G. *Contribution au traitement des affections staphylococciques par l'anatoxine spécifique de Ramon. 45p. 24½cm. Strasb., 1937.

Antonioli, G. M. La terapia anatossinica delle lesioni chirurgiche stafilococciche. Med. contemp., Tor., 1940, **6**: 33–5.—**Arinkine, M. I.** [Treatment of staphylomycosis with bacteriophages] Vest. khir., 1926, **7**: No. 21, 16–9.—**Astuni, A.** Expériences de phagothérapie dans les infections staphylococciques localisées. Boll. Sez. ital. Soc. internaz. microb., 1931, **3**: 649–51.—**Avendaño, J.** Algunas formas de estafilococias, tratadas según el procedimiento de la inmunización local. Crón. méd., Lima, 1928, **45**: 225–31.—**Benedek, T.** Ueber die artspezifische Behandlung progredienter Staphylomykosen. Med. Klin., Berl., 1926, **22**: 432. Also Klin. Wschr., 1926, **5**: 1416–9.—**Blair, J. E., & Hallman, F. A.** Staphylococcal antihemolysin in osteomyelitis and other staphylococcal infections. Proc. Soc. Exp. Biol., N. Y., 1935–36, **33**: 382–6.—**Bocage, A., Mercier, P., & Richou, R.** Le traitement des staphylococcies par l'anatoxine spécifique brute et purifiée. Presse méd., 1939, **47**: 243–6.—**Bródy, S.** [Normal horse serum for staphylomycosis] Orv. hetil., 1936, **80**: 878.—**Bronfenbrenner, J., & Sulkin, S. E.** Bacteriophage and antivirus therapy of localized experimental infections with staphylococcus. J. Bact., Balt., 1936, **31**: 56.—**Camus, P.** Le bactériophage de d'Hérelle et ses applications en oto-rhinologie. Arch. internat. laryng., Par., 1926, **32**: 938–55.—**Canavero, G.** Trasfusione di sangue immune agli effetti delle difese immunitarie nell'infezione sperimentale di stafilococco. Gior. batt. immun., 1935, **15**: 94–108.—**Chatterjee, S. C.** Abscessin in staphylococcal infection. J. Ind. M. Ass., 1939–40, **9**: 432.—**Collevati, U.** Bactériophagothérapie expérimentale intraoculaire antistaphylococcique. Boll. Sez. ital. Soc. internaz. microb., 1934, **6**: 500–16.—**Condini, B.** L'azione dei filtrati batterici nelle affezioni da stafilococco. Ann. igiene, 1929, **39**: 261–73.—**Costantini, A.** Osservazioni sulla cura delle infezioni da stafilococco con l'anatossina. Clinica, Bologna, 1937, **3**: 802–13.—**Daudén, F.** Nuevo tratamiento de las estafilococias cutáneas con inyecciones perifocales de anatoxina. An. Inst. Llorente, 1944, 70–9.—**Ebert, B. P., & Shapiro, A. I.** [Bacteriophage as therapeutic and prophylactic factor in staphylococcal diseases] J. mikrob., Moskva, 1940, No. 11, 94–6.—**Gaudier, H.** Suppuration à staphylocoques; utilisation de la méthode de Bier (hyperhémie) Mém. Acad. chir., Par., 1938, **64**: 224–6.—**Gratia, A.** Le traitement des infections à staphylocoques par le bactériophage et les mycolysats staphylococciques. Bull. Soc. nat. chir., Par., 1930, **56**: 344–8.—**Gross, H.** Die spezifischen biologischen Behandlungsverfahren der Staphylokokkenerkrankungen. Deut. med. Wschr., 1942, **68**: 347–51.—**Hauduroy, P., Camus, P., & Dalsace, R.** Le traitement des infections à staphylocoques par le bactériophage de d'Hérelle. Presse méd., 1926, **34**: 1195–7.—**Highfill, F. W.** Report of recent literature on specific treatment of staphylococcic infections. Proc. Univ. Hosp. Oklahoma School M., 1940–41, **1**: No. 2, 111.—**Janson, A. A., & Larsen, R. L.** The use of bacteriophage in staphylococcic infections. Illinois M. J., 1931, **60**: 334–8.—**Jern, H. Z., Caprarro, C., & Meleney, F. L.** The value of staphylococcus toxoid in the treatment and prevention of chronic staphylococcus infections. Surgery, 1945, **17**: 363–78.—**Jern, H. Z., Howes, E. L., & Meleney, F. L.** The behavior of the bacteriophage and the bacteria in the lesion after the treatment of acute staphylococcus skin infections with bacteriophage. J. Laborat. Clin. M., 1934, **19**: 1257–71.—**Jona, A.** Le iniezioni di latte e le reazioni immunitarie nell'infezione sperimentale da stafilococco nel coniglio. Gior. batt. immun., 1932, **9**: 481–526.—**Kaeselitz, H.** Ueber die Behandlung von Staphylokokken-Erkrankungen mit Staphygen. Zbl. Chir., 1941, **68**: 310–2.—**Kleiger, B., & Blair, J. E.** Role of toxin and use of antitoxin in systemic staphylococcic infections. Arch. Surg., 1943, **46**: 548–54.—**Kolomiichenko, M. I.** [Administration du bactériophage lors des maladies chirurgiques staphylococciques] Khirurgia, Moskva, 1941, 30–5.—**Kristensen, B.** [Experimental basis for the use of normal horse serum in the treatment of staphylomycosis] Hospitalstidende, 1934, **77**: Dansk. kir. selsk. forh., 14–30.—**Lamare, J. P., Larget, M., & Moreau, M.** Les traitements biologiques; lutte contre le staphylocoque. Bull. méd., Par., 1930, **44**: 823–6.—**Larkum, N. W.** Bacteriophage treatment of staphylococcus infections. J. Infect. Dis., 1929, **45**: 34–41. ——— & **Pratt, H.** Bacteriophage treatment of staphylococcus infections. J. Michigan M. Soc., 1931, **30**: 90.—**Levi, M.** Il batteriofago nella cura delle affezioni acute da stafilococco. Sperimentale, 1933, **87**: p. xxxvi–xlvi.—**Lithander, A.** Specifik behandling av vissa staphylokockinfektioner. Nord. med., 1948, **39**: 1467.—**Longacre, A. B.** Immunologic prophylaxis and therapy in human staphylococcal infections. South. Surgeon, 1941, **10**: 247–63.—**MacNeal, W. J., Frisbee, F. C., & McRae, M. A.** Bacteriophage service in staphylococcal infections. Am. J. Clin. Path., 1941, **11**: 549–61.—**Messerschmidt, T.** Erfolge und Misserfolge der Autovakzinetherapie bei Staphylokokkeneiterungen. Fortsch. Ther., 1935, **11**: 156–9.—**Morales Saravia, J.** Toxina, anatoxina y antitoxina estafilocócicas; tratamiento de las afecciones a estafilococos; estudio inmunológico y clínico. Rev. med. exp., Lima, 1942, **1**: 152–76.—**Morgunov, I. N.** [Serotherapy with specific antitoxin of experimental staphylococcus infection] J. mikrob., Moskva, 1944, No. 6, 65.—**Nelis, P., & Pierard, J.** Le traitement des affections à staphylocoques par l'anastaphylotoxine. Bruxelles méd., 1936–37, **17**: 412; 502.—**Panton, P. N.** The specific treatment of staphylococcal infections. Proc. R. Soc. M., Lond., 1936–37, **30**: 515–20. Also Brit. J. Derm. Syph., 1937, **49**: 177–94.—**Peretz, L. G., & Nevler, A. I.** [Experimental application of combined antivirus-roentgenotherapy in local staphylococcic infections] Vest. rentg., 1935, **14**: 367–70.—**Pettersson, A.** Die Immunotherapie bei Staphylokokkenkrankheiten. Acta path. microb. scand., 1946, **23**: 164–9.—**Ponomareva, O. I.** [Application of lysozyme in surgical practice; variability of microorganisms in vivo from the effect of lysozyme during the process of experimental treatment] Vest. mikrob., 1940, **19**: 538–45.—**Rachold.** Ueber die Behandlung von Hauterkrankungen mit Staphylokkentoxoid. Med. Klin., Berl., 1940, **36**: 602 (Abstr.)—**Radici, G.** Studi sulle infezioni stafilococciche; l'anatossiterapia nelle infezioni stafilococciche. Boll. Ist. sieroter. milan., 1939, **18**: 316–44.—**Raevsky, P. P., & Kolomoicev, L. R.** [Effect of staphylococcic phage on suppurative inflammatory processes of staphylococcal nature] In: Minhvist mikrob. (Kiev Inst. mikrob.) 1939, 367–71.—**Ramon, G., Mercier, P., & Richou, R.** L'anatoxithérapie spécifique des affections staphylococciques; précisions sur la conduite du traitement. Presse méd., 1942, **50**: 473. ——— L'anatoxithérapie spécifique; traitement efficace des affections staphylococciques. Concours méd., 1943, **65**: 106.—**Ramon, G., Richou, R.** [et al.] Dix années d'application de l'anatoxine staphylococcique à la thérapeutique des affections dues au staphylocoque en médecine humaine et en médecine véterinaire; considérations générales sur l'anatoxithérapie et la pénicillinothérapie. Rev. immun., Par., 1946, **10**: 71–81.—**Rieder, W.** Ueber Behandlung der Staphylomykosen mittels Pferdeserums. Klin. Wschr., 1922, **1**: 2333.—**Riese, J.** Intramuskuläre Verabreichung hoher Staphylo-Yatrendosen bei lokalen Staphylokokkenerkrankungen. Wien. med. Wschr., 1928, **78**: 849–51.—**Rozhansky, V. I.** [Résultat de l'emploi d'anatoxine staphylococcique dans le traitement des processus purulents] Khirurgia, Moskva, 1940, No. 7, 20–3. ——— [Anatoxine staphylococcique dans la prophylaxie des complications des plaies après l'opération] Ibid., No. 8, 28–32.—**Sauvé, L.** Le bactériophagie intraveincuse dans le traitement des infections staphylococciques graves ou rebelles. Mém. Acad. chir., Par., 1945, **71**: 51–6.—**Schioppa, L.** Sul meccanismo della granulo-terapia nelle infezioni sperimentali da stafilococco. Gior. batt. immun., 1937, **18**: 683–93.—**Serum** treatment of acute staphylococcal infections. Lancet, Lond., 1934, **2**: 261.—**Staphylococcal** infections; specific treatment. Brit. M. J., 1934, **2**: 950.—**Stern, K.** Staphar in der Kinderpraxis. Münch. med. Wschr., 1926, **73**: 1658.—**Terapia** delle infezioni cocciche per mezzo dell'anticoccina. Terapia, Milano, 1940, **30**: 52–4.—**Use** of antitoxin in staphylococcus infections. Bull. Lederle Laborat., 1936, **4**: 17.—**Van Der Schueren, G.** Influence d'extraits tumoraux sur les virus et l'infection staphylococcique. C. rend. Soc. biol., 1935, **120**: 261–3.—**Weiss, C.** Serum antistaphylolysin titers during antitoxic therapy of staphylococcal infections. Am. J. Clin. Path., 1941, **11**: 329–43.

—— Treatment: Chemotherapy.

Minot, G. P. *Le traitement des staphylococcies par le glycocollate de cuivre. 67p. 24½cm. Par., 1939.

Timshok, P. R. *Vliyaniye nukleïnovo-kislago natra na fermentativnuyu funkciyu organov i

tkanei pri stafilokokkovoĭ infekcii; eksperimentalnoye izsliedovaniye. 204p. 8° S.Peterb., 1912.

Anderson, L. L. Chemotherapy in staphylococcic infections. Proc. Univ. Hosp. Oklahoma School M., 1940–41, **1**: No. 2, 112–4.—**Barlow, O. W., & Homburger, E.** Specific chemotherapy of experimental staphylococcus infections with thiazol derivatives of sulfanilamide. Proc. Soc. Exp. Biol., N. Y., 1939, **42**: 792–5.—**Beling, C. A.** The treatment of staphylococcic infections with thiazole derivatives of sulfanilamide. Am. J. Surg., 1941, **53**: 219–31. ——— **& Abel, A. R.** Treatment of furuncles, carbuncles and abscesses of staphylococcic origin with thiazole derivatives of sulfanilamide. Ibid., 1940, **50**: 258–66.—**Bliss, E. A., & Ott, E.** Effect of sulfapyridine, sulfathiazole and sulfamethylthiazole upon severe staphylococcal infection in mice. Proc. Soc. Exp. Biol., N. Y., 1940, **43**: 706–9.—**Browning, P.** The chemotherapy of experimental staphylococcal infection in mice with drugs of the sulphanilamide group. J. Path. Bact., Lond., 1940, **50**: 431–8. ——— **& Calver, K. M.** Further observations on the chemotherapy of experimental staphylococcal infection in mice with drugs of the sulphonamide group, penicillin and antitoxin. Ibid., 1947, **59**: 417–23.—**Butler, E. C. B.** Some observations on the treatment of acute staphylococcal infections with sulphathiazole. In: Essentials Mod. Chemother. (Rolleston, H. D. et al.) Lond., 1941, 80–4. Also Practitioner, Lond., 1941, **146**: 106–8.—**Carroll, G., Kappel, L., & Lewis, B.** Treatment of staphylococcus infections with sulfamethylthiazol. Urol. Cut. Rev., 1940, **44**: 421–7.—**Castañs, E.** La estannoterapia en las afecciones estafilocócicas. Med. ibera, 1919, **6**: 80–4.—**De, S. P., & Basu, U. P.** Synergy in experimental chemotherapy of staphylococcal infections. Brit. M. J., 1938, **2**: 564.—**Ewins, A. J., Butler, E. C. B.** [et al.] Discussion on clinical experiences with sulphathiazole in therapy of staphylococcal infections. Proc. R. Soc. M., Lond., 1939–40, **33**: Sect. Ther. Pharm., 673–84. Also Lancet, Lond., 1940, **1**: 1124.—**Fornara, P.** L'associazione jodo-sulfamidici nella cura delle infezioni stafilococciche. Minerva med., Tor., 1946, **37**: pt 2, 269.—**Frankl, J.** Ueber den Wert der Chemotherapie der Kokkeninfektionen bei chirurgischen Erkrankungen. Klin. Wschr., 1938, **17**: 775–7.—**Hartmann, F. W.** Local application of sulfonamides to experimental staphylococcus infections. J. Bact., Balt., 1944, **47**: 259–71.—**Huet & Hugier.** Traitement des staphylococcies locales par le traitement iodo-sulfamidé. Presse méd., 1943, **51**: 231 (Abstr.)—**Ingelrans, Watel & Groult.** Trois staphylococcies traitées avec succès par la méthode de Legroux. Lille chir., 1946, **1**: 143.—**Jona, A.** Azione del verde di malachite sull'infezione sperimentale da stafilococco piogeno. Gior. batt. immun., 1934, **12**: 625–32.—**Jones, L. R., Gallagher, F. W., & Dirocco, F. W.** The effect of sulfamethylthiazol on staphylococcus infection in the mouse. Urol. Cut. Rev., 1940, **44**: 428.—**Killmer, G., & Nehrkorn, A.** Erfahrungen mit Uliron bei Staphylokokkeninfektionen. Münch. med. Wschr., 1937, **84**: 2021.—**Kolmer, J. A., & Brown, H.** Chemotherapy and chemoserotherapy of staphylococcic infections. Arch. Int. M., 1942, **69**: 636–46. ——— **& Harkins, M. J.** A note on tin compounds in the chemotherapy of experimental staphylococcus infections. J. Pharm. Exp. Ther., 1931, **43**: 515–9.—**Kolmer, J. A., & Harkins, M. J.** Stannoxyl in the chemotherapy of experimental staphylococcus infections. J. Chemother., 1931, **8**: 6–9.—**Lemay, P., & Jaloustre, L.** Le bismuth dans le traitement des staphylococcies. Rev. gén. clin. thér., 1928, **42**: 455.—**Lenormant, C.** Le traitement de Legroux (iode-sulfamide) dans les staphylococcies chirurgicales. Presse méd., 1943, **51**: 405.—**Macdonald, A.** Sulphamethylthiazole in experimental staphylococcal infections. Lancet, Lond., 1940, **1**: 1157–9.—**Marconi, R., & Passera, G.** Azione della milza nella terapia sulfamidica della infezione stafilococcica sperimentale della cavia. Chemoterapia, Tor., 1948, **4**: 177–94.—**Martin, W. B., & Grinnan, R. B.,** jr. The treatment of severe staphylococcus infections with sulfapyridine and its sodium salt. South. M. J., 1940, **33**: 1039–44. Also North Carolina M. J., 1941, **2**: 59–63.—**Mellon, R. R., Shinn, L. E., & McBroom, J.** Therapy of experimental staphylococcus infections with sulfonamide compounds. Proc. Soc. Exp. Biol., N. Y., 1937–38, **37**: 563–5.—**Melton, G.** Sulphathiazole in treatment of staphylococcal infections. Lancet, Lond., 1941, **1**: 274–8.—**Ohta, M., Itikawa, T.** [et al.] Uliron no budō-zyō-kyūkin-sei sikkan ni tai-suru tiken. Jap. J. Derm. Urol., 1939, **45**: 264.—**Osgood, E. E., & Brownlee, I. E.** The chemotherapy of staphylococcic infections. J. Pediat., S. Louis, 1940, **17**: 740–6.—**Paliard, F., Plauchu & Frieh, P.** Considérations thérapeutiques à propos de trois cas de staphylococcies graves. Lyon méd., 1941, **166**: 845–52.—**Parker, A. C.,** jr, **& Smith, H.** Sulfathiazole in staphylococcus infections; report of three cases. J. S. Carolina M. Ass., 1941, **37**: 81.—**Peters, H.** Ueber Beeinflussung staphylogener Erkrankungen durch ein neues internes Präparat. Wien. med. Wschr., 1935, **85**: 978.—**Pervès, J., & Pirot, R.** Traitement des affections graves à staphylocoques par la médication iodo-sulfamidienne. Presse méd., 1943, **51**: 230 (Abstr.)—**Picot & Aurousseau.** Traitement des infections staphylococciques graves par la sulfamido-pyridine. Mém. Acad. chir., Par., 1940, **66**: 790–3.—**Rosner, S., & Reinecke, B.** Resultados obtenidos en las estafilococcias con el estaño coloidal metálico puro. Día méd., B. Air., 1942, **14**: 1361.—**Santas, A. A.** Un caso de estafilococcia rebelde tratado con penicillina. Ibid., 1944, **16**: 84–8.—**Spink, W. W., & Paine, J. R.** The local use of sulfathiazole in the treatment of staphylococcal infections; preliminary report. Minnesota M., 1940, **23**: 615–9.—**Staphylococcal** infections and sulphathiazole. Med. J. Australia, 1941, **1**: 649.—**Steinfield, E., Brylawski, M., & Nash, C. B.** Sulfathiazole and staphylococcus antitoxin in experimental staphylococcic infection. J. Laborat. Clin. M., 1942–43, **28**: 1544–7.—**Stoeckel, K. H.** Tierexperimentelle Untersuchungen über die Behandlung von Staphylokokkeninfektionen mit Isapogen und Ichthisapogen. Zschr. Immunforsch., 1937, **90**: 71–7.—**Sulfathiazole** in staphylococcic infections. J. Am. M. Ass., 1940, **115**: 471.—**Sulfathiazole** therapy in staphylococcus infections. Clin. Excerpts, 1941, **15**: 110–7.—**Sulphathiazole** in staphylococcal conditions. Prescriber, Edinb., 1940, **34**: 244.—**Tager, M.** The therapy of acute staphylococcal infection of mice with antitoxin and sulfonamide compounds. Yale J. Biol., 1940–41, **13**: 237–52.—**Villard, Y.** Contribution à l'étude des staphylococcies et à leur traitement par l'hydroxyde de bismuth radifère. Rev. internat. méd. chir., 1929, **40**: 22–4.—**Walbum, L. E.** Metallsalztherapie (Staphylokokkeninfektionen) Acta path. microb. scand., 1930, Suppl. 3, 477–90.—**Walker, E. L., & Sweeney, M. A.** The relation between chemical constitution and chemotherapeutic action in staphylococcic infections. J. Pharm. Exp. Ther., 1927–28, **31**: 87–121.—**Weisman, D., & Russell, H.** The treatment of acute staphylococcic infections with sulfamethylthiazol. J. Pediat., S. Louis, 1940, **17**: 31–7.—**York, B. P.** The local use of sulfathiazole in certain staphylococcus infections of the skin. Texas J. M., 1942–43, **38**: 322–4.—**Zung Dau Zau & Meleney, F. L.** Anti-staphylococcic effects of the intraarterial injection of certain dyes; report of intraarterial injections of mercurochrome 220-soluble, gentian violet, and acriflavine in the treatment of experimental staphylococcic infections in dogs. Ann. Surg., 1928, **88**: 961–74.

—— in animals.

Frey, G. *Die Wirkung von Staphylokokken auf die Haut von Versuchstieren. 29p. 20½cm. Königsb., 1938.

Martin, R. *Contribution à l'étude des staphylococcies cutanées du chien. 63p. 8° Lyon, 1935.

Berthelon, M., & Brivois, P. Action d'un dérivé sulfamidé sur quelques staphylococcies animales. Rec. méd. vét., 1939, **115**: 337–43.—**Buzenac, J.** Observations cliniques concernant le traitement des staphylococcies cutanées du chien par l'anatoxine staphylococcique. Ibid., 531–9.—**Eber, A.** Seuchenhafte Staphylokokkenkrankheit (ansteckende Knochen- und Gelenkentzündung) des Geflügels. Deut. tierärztl. Wschr., 1921, **29**: 119–21.—**Gwatkin, R.** An outbreak of staphylococcal infection in barred Plymouth Rock males. Canad. J. Comp. M., 1940, **4**: 294–6.—**Hostein, G., & Richou, R.** Essais de traitement des staphylococcies cutanées du chien au moyen de l'anatoxine spécifique, seule ou associée à l'administration de dérivés sulfamidés azoïques ou non azoïques. Bull. Acad. vét. France, 1938, **11**: 158–66.—**John, F. V.** Multiple abscesses in a mare treated with staphylococcus toxoid. Vet. Rec., Lond., 1943, **55**: 64.—**Jungherr, E., & Plastridge, W. N.** Avian staphylococcosis. J. Am. Vet. M. Ass., 1941, **98**: 27–32.—**Lesbouyries, G.** Staphylococcie du lapin et du lièvre. Rec. méd. vét., 1945, **121**: 321–5.—**Minett, F. C.** Staphylococcus infections in animals, with special reference to toxoid in preventive and curative treatment. Vet. Rec., Lond., 1937, **17**: 179–86.—**Pacheco, G., & Maciel, J.** Epizootia estaphylococcica em coelhos. Arch. Inst. biol., S. Paulo, 1930, **3**: 77–86, 2 pl.—**Pallaske, G.** Ueber eine seuchenhafte Staphylokokkeninfektion bei Hühnern ohne Knochen- und Gelenkerkrankung. Deut. tierärztl. Wschr., 1932, **40**: 777–80.—**Reinhardt, R.** Seuchenhafte Staphylokokkenkrankheit bei Gänsen. Mhefte prakt. Tierh., 1922, **33**: 257–62.—**Reis, J., & Nobrega, P.** Infecções estaphylococcicas em aves. Arch. Inst. biol., S. Paulo, 1935, **6**: 63–8, 2 pl.—**Richou, R.** Une nouvelle thérapeutique des staphylococcies cutanées du chien; la séro-anatoxithérapie spécifique. Rec. méd. vét., 1945, **121**: 362–5.—**Rowlands, W. T., & Smith, H. W.** Staphylococcosis in geese. J. Comp. Path., Lond., 1945, **55**: 125–31.

—— in children.

Barbier, H. Observations de staphylococcie dans les familles. Arch. méd. enf., 1926, **29**: 650–4. Also Bull. Soc. pédiat. Paris, 1926, **24**: 315–20.—**Cass, J. M.** The clinical picture of staphylococcal infections in the newborn. Arch. Dis. Childh., Lond., 1940, **15**: 85–96.—**Elizalde, P. de, & Zucal, E.** Estafilococcia en un recién nacido; neumopatia supurada en comunicación con un voluminoso neumoabsceso disecante de la pared torácica; abscesos metastáticos de cerebro y riñón. Arch. argent. pediat., 1936, **7**: 146–56.—**McDonald, Canmann** [et al.] Generalized rash, inflamed scrotum. Case Rep. Child. Mem. Hosp. Chicago, 1943, **2**: No. 8, 9–11.—**Miller, F. J. W.** Staphylococcal infections of newborn infants. Nurs. Mirror, Lond., 1946, **83**: 123. ——— Control of staphylococcal infections in the newly-born infant. Ibid., 1947, **85**: 141.—**Peluffo, E., & Martínez Prado, G.** Infecciones por estafilococos en recién nacidos. Arch. argent. pediat., 1940, **14**: 561.—**Sen, B. B.** Staphylococcal cellulitis in a child. Ind. J. Pediat., 1936, **3**: 22–6.—**Staphylococcal** infections in the new-born. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1942, **1**: June, 1–4.

MICROCOCCUS [1872 Cohn]

For older literature see also **Diplococcus; Staphylococcus** (in 3. series)

Dudchenko, I. S. Mikrokokk, vîzîvayushchiy purpurnoye okrashivaniye v shcholochnoĭ zhelatinovoĭ srediе. Prakt. vrach, 1913, **12:** 671.—**Giunta, G.** Sopra tre micrococchi poco noti. Ann. med. nav., Roma, 1934, **40:** pt 2, 385–99.—**Günther, C.** Mikrokokkus. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9:** 435–42.—**Highlands, M. E., & Jennison, M. W.** A motile Micrococcus. J. Bact., Balt., 1940, **39:** 17.—**Holmes, L. F., & Wilson, M. E.** A micrococcus producing a mulberry-colored pigment. Ibid., 1945, **49:** 311.—**Lindegren, C. C.** Nuclear apparatus and sexual mechanism in a Micrococcus. J. Sc. Iowa Coll., 1941–42, **16:** 307–18, incl. 2 pl.—**Monaci, V.** Su di un singolare stipite di micrococco dotato di proprietà antibiotiche. Ann. igiene, 1947, **57:** 1–9.—**Vaccaro, H., Pérez M., M., & Sepúlveda, J.** Contribución al estudio del género Staphylococcus. Rev. chilena hig., 1942–43, **5:** 231–51.—**Yesair, J., Cameron, E. J., & Bohrer, C. W.** Comparative resistance of desiccated and wet micrococci heated under moist and dry conditions. J. Bact., Balt., 1944, **47:** 437. ——— Effect of certain environmental conditions on heat resistance of micrococci. Food Res., 1946, **11:** 327–31.

—— M. albus.

Leontjew, H. Zur Biophysik der niederen Organismen; die Bestimmung des spezifischen Gewichtes des Micrococcus albus. Zbl. Bakt., 1. Abt., 1928, **107:** 308–15.

—— M. catarrhalis [1896 Frosch]

See **Neisseria** catarrhalis.

—— M. citreus [1885 Passet; 1900 Migula]

Abe, T. Ueber die Proteasenwirkung von Staphylococcus pyogenes citreus. Tohoku J. Exp. M., 1947, **49:** 27–32.—**Jacobi, M. v.** Beitrag zur Kenntnis des Staphylococcus citreus. In: Festschrift F. de Quervain, Basel, 1928, 201–4. Also Schweiz. med. Wschr., 1928, **58:** 613.—**Kawasima, H., & Nakamura, N.** Ueber eine neue durch Staphylokokkus pyogenus citreus hervorgerufene ödematöse Krankheit der Hühnerkücken. J. Jap. Soc. Vet. Sc., 1938, **17:** 118–37, 3 pl.—**Magarinos Torres, C., & Pacheco, G.** Staphyloemia, hepatite suppurada na creança e ascaridiose intestinal. Hospital, Rio, 1957, **11:** 137–44.—**Tran-Ba-Huy.** Un cas de septicémie à staphylocoque citrin, consécutive à un anthrax de la lèvre inférieure, guérie par la pénicilline. Ann. otolar., Par., 1944–45, 259.

—— M. dehydrogenans [1939 Arnaudi]

See also **Flavobacterium.**

Arnaudi, C. Oxidation microbienne et enzymatique dans la série des hormones sexuelles par le Micrococcus dehydrogenans, n. sp. Boll. Sez. ital. Soc. internaz. microb., 1939, **11:** 208–11. ——— Flavobacterium dehydrogenans (Micrococcus d.) und seine Fähigkeit zur Oxidation von Steroiden sowie von Substanzen aus der Sexualhormonreihe. Zbl. Bakt., 2. Abt., 1942–43, **105:** 352–66.—**Ercoli, A.** Biochemische Oxydationen in der Sterin- und Sexualhormonreihe durch Micrococcus dehydrogenans; Umwandlung des △5-Androstendiols-3,17 in Testosteron. Bull. Inst. Pasteur, Par., 1943, **41:** 191 (Abstr.)

—— M. endocarditidis [1889 Weichselbaum]

See also **Endocarditis,** Bacteriology.

Velde, T. H. van de. De Micrococcus endocarditidis rugatus Weichselbaum in het bloed bij kraamvrouwenkoorts en in het uterussekreet bij etterige endometritis, tevens een bijdrage tot de lichtbehandeling in de gynaecologie. Med. rev., Haarlem, 1909, **9:** 250–5.

—— M. enteroideus [1928 Castellani]

Acanfora, G. Brief note on Micrococcus enteroideus (Castellani) J. Trop. M. Hyg., Lond., 1934, **37:** 134.—**Castellani, A.** Some new micrococci: M. levulosinertis, M. viscidus, M. enteroideus, M. afermentans. Proc. Soc. Exp. Biol., N. Y., 1928, **25:** 536.

—— M. epidermidis [1891 Welch]

Alvaro de Mattos. Contribuição para o estudo do microbio de Doyen. Movimento med., Coimbra, 1904–05, **4:** 365–9.—**Doyen, E.** Le Micrococcus neoformans. Bull. Soc. anat. Paris, 1905, **80:** 457–60. ——— Le rôle pathogène du Micrococcus néoformans. Ibid., 467; 529; 534; 1906, **81:** 40–3. ——— Le Micrococcus néoformans et les néoplasmes. Clinique, Brux., 1905, **19:** 287–95. Also Rev. thér. méd. chir., 1905, **72:** 226–30. ——— Inoculation du Micrococcus neoformans. Bull. Soc. anat. Paris, 1906, **81:** 253.—**Dudgeon, L. S., & Dunkley, E. V.** The Micrococcus neoformans; its cultural characters and pathogenicity and the results of the estimation of the opsonic and agglutinative properties of the serum of patients suffering from malignant disease on this organism and on the Staphylococcus albus. J. Hyg., Lond., 1907, **7:** 13–31.—**Meyer, E.** Staphylococcus epidermidis albus; cultural and immunologic reactions of large and small colony types. J. Laborat. Clin. M., 1938–39, **24:** 1146–50.—**Montgomery, B., & Gustafson, C. J.** Classification of Staphylococcus epidermidis albus from human skin. Proc. Soc. Exp. Biol., N. Y., 1929–30, **27:** 365.—**Shaw, C. C., Williford, H. B., & Bourke, A. R.** Fulminating septicemia due to Staphylococcus epidermidis; report of a case with autopsy findings. U. S. Nav. M. Bull., 1946, **46:** 751–7.—**Tenret, F.** A propos du Micrococcus neoformans. Ann. méd. chir., Dour, 1906, **14:** 62–70.

—— M. esterificans [1905 Beck]

Beck. Ueber einen Fruchtäther bildenden Mikrokokkus (Micrococcus esterificans) Arb. Gesundhamt., 1906, **24:** 256–63.

—— M. gazogenes [1901 Lewkowicz]

See **Veillonella.**

—— M. grigoroffi [1905 Grigorov]

Prévot, A., & Senez, J. Recherches biochimiques sur Micrococcus grigoroffi. C. rend. Soc. biol., 1944, **138:** 35.

—— M. indolicus [1934 Christiansen]

Christiansen, M. Position de M. indolicus dans la systématique bactérienne. Acta path. microb. scand., 1933–34, **11:** 363–6. ——— Ein obligat anaërober, gasbildender, indolpositiver Mikrokokkus (Micrococcus indolicus n. sp.) Ibid., 1934, Suppl. 18, 42–63, 3 pl.—**Prévot, A. R.** Position de M. indolicus Christiansen 1934 dans la systématique bactérienne. Ibid., 1933–34, **11:** 361–3.

—— M. intracellularis.

See **Meningococcus; Neisseriaceae.**

—— M. lactilyticus.

Foubert, E. L., jr, **& Douglas, H. C.** Studies on the anaerobic micrococci; the fermentation of lactate by Micrococcus lactilyticus. J. Bact., Balt., 1948, **56:** 35.

—— M. laewenbergii.

See **Ozena,** Bacteriology.

—— M. litoralis [1879]

See **Sarcina** littoralis.

—— M. lysodeikticus [1922 Fleming]

See also **Lysogen.**

Ayala, L. Presenza di lisozima nel secreto uretrale di blenorragici. Boll. Soc. ital. biol. sper., 1942, **17:** 576.—**Caselli, P., & Teti, M.** Sulle alterazioni delle affinità tintoriali del M. lysodeicticus durante la lisi da lisozima. Fol. med., Nap., 1942, **28:** 393–7.—**Utter, M. F., Krampitz, L. O., & Werkman, C. H.** Oxidation of acetyl phosphate and other substrates by Micrococcus lysodeikticus. Arch. Biochem., N. Y., 1946, **9:** 285–300.

—— M. melitensis.

See **Brucella; Melitococcus** (for older literature) **Undulant fever.**

—— M. mucofaciens [1913 Thöni]

Thöni, J., & Thaysen, A. C. Micrococcus mucofaciens n. sp., ein Mischschädling. Zbl. Bakt., 2. Abt., 1912–13, **36:** 359–65.

—— M. mucosus.

Ali, M. Notiz über einen schleimbildenden Mikrokokkus (Micrococcus mucosus) Zbl. Bakt., 2. Abt., 1933, **88:** 66.

—— M. myceticus [1928 Castellani]

Castellani, A. A pseudomycosis due to a coccus; Micrococcus myceticus. Arch. Derm. Syph., Chic., 1928, **18:** 857–61. ——— Some little-known micrococci. J. Trop. M. Hyg., Lond., 1932, **35:** 372–5. ——— Further observations on Micrococcus myceticus and Micrococcus metamyceticus. Ibid., 1933, **36:** 249–51.—**Hamilton, J. F.** Pseudomycosis due to Micrococcus myceticus; preliminary report. South. M. J., 1931, **24:** 195–200.

—— M. neoformans [1903 Doyen]

See **Micrococcus,** epidermidis.

—— M. niger [1930 Hall]

Hanne, R. Notiz über einen schwarzen Farbstoff bildenden Mikrokokkus (Micrococcus niger, n. sp.) Zbl. Bakt., I. Abt., 1931, **122:** 328.

—— M. ochraceus [1893 Rosenthal]

Luska, F. Morphologisch-biologische Untersuchungen über die färbbaren Körnchen im Inhalte des Micrococcus ochraceus; ein experimenteller Beitrag zur Kernfrage bei den Bakterien. Arch. Protistenk., 1914, **33**: 272–312, 3 pl.

—— M. ovalis [1897 Kern]

Kendall, A. I., & Haner, R. C. Micrococcus ovalis; studies in bacterial metabolism. J. Infect. Dis., 1924, **35**: 67–76.

—— M. populi [1906 Delacroix]

Regnier, R. Sur le chancre bactérien du peuplier (Micrococcus populi) C. rend. Acad. sc., 1919, **169**: 85–8.

—— M. paramelitensis [1912 Nègre]

See also **Brucella.**

Nègre, L., & Raynaud, M. Race de M. paramelitensis isolée par hémoculture. Bull. Soc. path. exot., Par., 1919, **12**: 173.

—— M. prodigiosus [1872 Cohn]

See **Serratia, marcescens.**

—— M. pyogenes.

See as main heading **Micrococcus pyogenes** for inclusion of literature on Staphylococcus.

—— M. rubens [1900 Migula]

Breed, R. S. Micrococcus rubens Migula 1900. J. Bact., Balt., 1943, **45**: 455–7.

—— M. tetragenes.

See **Gaffkya.**

—— M. ulmi [1925 Brussov]

Brussoff, A. Das Uebergreifen des Micrococcus ulmi auf Ahorne und Linden. Zschr. Pflanzenkr., 1926, **36**: 269–74. ——— Das Uebergreifen des Micrococcus ulmi auf Rotbuchen und kanadische Pappeln. Ibid., 351–5.

—— M. ureae.

Heitzmann, P., Girard, H., & Bouchard, G. Métabolisme de la paraffine par un Micrococcus ureae. C. rend. Soc. biol., 1948, **142**: 815.

—— M. zymogenes [1899 MacCallum]

See **Streptococcus,** zymogenes.

MICROCOCCUS pyogenes (Staphylococcus)

See also **Micrococcaceae; Micrococcus pyogenes** (var. albus) **Micrococcus pyogenes** (var. aureus) **Micrococcus sepsis;** for further literature see in 3. ser., **Staphylococcus.**

FLAUM, A. Studies in staphylococci and staphylococcal immunity. 137p. 8° Kbh., 1938.

Bell, W. B. Studies on staphylococci of animal origin. Cornell Vet., 1940, **30**: 514–25.—**Burky, E. L.** Studies on cultures and broth filtrates of staphylococci. J. Immun., Balt., 1933, **24**: 93–133.—**Cazalbou, L.** Les staphylocoques sont des champignons. Rev. path. comp., Par., 1915. **15**: 151–5.—**Chapman, G. H.** The staphylococci. Tr. N. York Acad. Sc., 1946–47, **9**: 52–5.—**Klotz, O., & Holman, W. L.** Studies on staphylococci. Am. J. M. Sc., 1935, **189**: 436–50.—**Knaysi, G.** The demonstration of a nucleus in the cell of a Staphylococcus. J. Bact., Balt., 1942, **43**: 365–85, incl. 2 pl.—**Serkowski, S.** O gronkowcach chorobotwórczych. Nowiny lek., 1914, **26**: 350–5.—**Vaccaro, H., Pérez M., M., & Sepúlveda, J.** Contribución al estudio del género Staphylococcus. Rev. chilena hig., 1942–43, **5**: 231–51.

—— Agglutination.

KLEIN, A. *Ueber die Bedeutung der Agglutination für die Diagnose der saprophytischen und pathogenen Staphylococcen. 32p. 8° Bern, 1910.

Berger, F. M. Clumping of pathogenic staphylococci in plasma. J. Path. Bact., Lond., 1943, **55**: 435–40.—**Birch-Hirschfeld, L.** Ueber die Agglutination von Staphylokokken durch Bestandteile des Säugetierblutplasmas. Klin. Wschr., 1934, **13**: 331–3.—**Christie, R.** The use of slide agglutination to determine pathogenicity of staphylococci. Austral. J. Exp. Biol., 1940, **18**: 397–400.—**Cowan, S. T.** Classification of staphylococci by slide agglutination. J. Path. Bact., Lond., 1939, **48**: 169–73.—**Michael, M.** Untersuchungen über Staphylokokkenagglutinine und ihre Beeinflussung durch spezifische oder unspezifische Vaccineiniektionen. Arch. Derm. Syph., Berl., 1928, **156**: 260–76.—**Miyamura, S.** Sinsyutu-ekı, rosyutu-eki oyobi kessyō nado no budō-zyō kyu-kin gyōsyu-sei ni tuite. Hokuetu igakkai zassi, 1941, **56**: 927–36.—**Stephan, F.** Der Wert der Plasma-Agglutinationsreaktion zur Differenzierung der Staphylokokken. Zschr. Hyg., 1934, **116**: 550–5.

—— Anatoxin (incl. toxoid)

DEFRANCE, M. *L'anatoxine staphylococcique purifiée; étude expérimentale et clinique. 78p. 25cm. Par., 1938.

PESIN, M. *L'anatoxine staphylococcique. 79p. 24cm. Lille, 1937.

Anatoxine staphylococcique. Rev. gén. clin. thér., 1936, **50**: 72.—**Bocage, A., & Mercier, P.** L'anatoxine staphylococcique purifiée. Presse méd., 1947, **55**: 60. ——— & **Pillet, J.** L'anatoxine staphylococcique purifiée. Ann. derm. syph., Par., 1946, **6**: 497.—**Bocchini, A.** L'anatossina stafilococcica. Athena, Roma, 1938, **7**: 36.—**Branch, A.** Staphylococcus toxoid; annual review. Canad. M. Ass. J., 1938, **39**: 391–3.—**Burnet, F. M., & Freeman, M.** The process of formol detoxication; experiments with purified staphylococcal toxin. J. Path. Bact., Lond., 1932, **35**: 477–93.—**C., J.** L'anatoxine staphylococcique. Arch. méd. enf., 1936, **39**: 601–11.—**Caminiti, S.** Potenziamento dell'anatossina stafilococcica con la protaminazinco-insulina. Policlinico, 1939, **46**: sez. prat., 1795.—**Costa, R.** A propósito de la anatoxina estafilocócica. Rev. urug. derm. sif., 1936, **1**: 278–80.—**Covisa & Alisedo.** Sobre la anatoxina estafilocócica. Arch. med., Madr., 1936, **39**: 362.—**Debré, R., Bonnet & Thieffry, S.** La anatoxina estafilocócica. Med. ibera, 1936, **30**: pt 2, 399.—**Dolman, C. E., & Kitching, J. S.** Tests for innocuity and antigenic potency of staphylococcus toxoid. J. Path. Bact., Cambr., 1935, **41**: 137–62.—**Farrell, L. N.** The potency of staphylococcal toxoid. J. Immun., Balt., 1941, **41**: 119–26. ——— & **Kitching, J. S.** Staphylococcic alum toxoid. Ibid., 1938, **34**: 51–60.—**Felsenfeld, O.** [Staphylococcal anatoxin] Bratisl. lek. listy, 1938, **18**: 578–81.—**Gaté, J., Cuilleret, P., & Chanial, G.** L'anatoxine staphylococcique. J. méd. Lyon, 1936, **17**: 381–4.—**Gross, H.** Das Staphylokokkenanatoxin. Klin. Wschr., 1937, **16**: 713.—**Holm, A., Anderson, J. F., & Leonard, G. F.** Staphylococcus bacteriophage toxoid; an improved staphylococcus antigen. Am. J. Pub. Health, 1936, **26**: 1001–7.—**Holt, L. B.** The purification of staphylococcus toxoid. Brit. J. Exp. Path., 1936, **17**: 318–23.—**Johlin, J. M.** Acceleration of formol detoxification of staphylococcus toxin by adsorption. Proc. Soc. Exp. Biol., N. Y., 1939, **41**: 135–9.—**Leveuf, J.** A propos de l'anatoxine staphylococcique. Mém. Acad. chir., Par., 1936, **52**: 49–55.—**Lithander, A.** Method of producing purified and concentrated staphylococcic toxoid. Acta path. microb. scand., 1944, **21**: 759–63.—**Montant, R., & Deruaz, G.** L'anatoxine staphylococcique. Schweiz. med. Wschr., 1937, **67**: 1184–9.—**Parfentjev, I. A.** Toxoid. U. S. Patent Off., 1942, 2,288,738. ——— **Clapp, F. L., & Waldschmidt, A.** Staphylococcal toxoid prepared by peptic digestion. J. Immun., Balt., 1941, **40**: 189–99.—**Peragallo, I.** Ricerche ed osservazioni sull'anatossina stafilococcia. Boll. Ist. sieroter. milan., 1936, **15**: 736–52; 1937, **16**: 582–7. ——— **Scuti, R., & Zuffetti, A.** Ricerche ed osservazioni sull'anatossina stafilococcica. Rev. sudamer. endocr., B. Air., 1937, **20**: 646–82.—**Ramon, G., & Richou, R.** Sur le contrôle de l'innocuité et sur le dosage de l'anatoxine staphylococcique. C. rend. Soc. biol., 1936, **121**: 517–21. ——— Sur la transformation de la toxine staphylococcique en anatoxine. Rev. immun., Par., 1940, **6**: 56–63. ——— & **Boivin, A.** Sur l'obtention de la toxine et de l'anatoxine staphylococciques dans un milieu de composition chimique définie. C. rend. Acad. sc., 1938, **207**: 466–8.—**Ratner, B.** Staphylococcal toxoid. In his Allergy &c., Balt., 1943, 285.—**Robles, R.** [Investigations of staphylo-anatoxin] Acta leiden., 1937–38, **12**: 227–65.—**Rossi, C. M.** Sobre la anatoxina estafilocóccica. An. Fac. med., Montev., 1936, **21**: 695–730. Also Arch. Soc. biol. Montevideo, 1936–37, **7**: 66–78. ——— Anatoxina estafilocóccica; preparación y aplicaciones terapéuticas. Arch. urug. med., 1936, **8**: 300–13. ——— A propósito de la anatoxina estafilocócica. Rev. urug. derm. sif., 1936, **1**: 227–30.—**Santomé, H.** A propósito de la anatoxina estafilocócica. Ibid., 231.—**Sazhina, S. N.** [Staphylococcal anatoxin; its preparation and method of application in therapeutics] Sovet. vrach. J., 1939, **43**: 541–8.—**Schmidt, H.** Die Auswertung von Staphylokokkentoxoid. Zschr. Immunforsch., 1937, **91**: 75–86.—**Simon, C.** A propos de l'anatoxine staphylococcique et de quelques recettes quotidiennes. Bull. méd., Par., 1936, **50**: 475–8.—**Smith, M. L.** The assay of antigens, with special reference to staphylococcus toxoid. J. Path. Bact., Cambr., 1936, **42**: 227–45.—**Staphygen.** Ther. Gegenwart, 1941, **82**: 144.—**Staphylococcus** toxoid. J. R. Army M. Corps, 1935, **65**: 42.—**Staphylococcus** toxoid. J. Am. M. Ass., 1937, **109**: 2141; 1938, **110**: 1344; 1938, **111**: 2016.—**Staphylococcus** toxoid and bacterial antigen made from staphylococci combined; staphylococcus ambotoxoid. Squibb Mem., N. Y., 1936, **15**: No. 3, 3.—**Staphylococcus** Toxoid (Digest Modified) Lederle. J. Am. M. Ass., 1943, **121**: 193.—**Valensin, M.** L'anatossina stafilococcica, preparazione ed applicazioni pratiche. Gior. med. prat., 1938, **20**: 91–101.—

Vygodchikov, G. V. Materialy k izucheniiu antigennosti i immunogennosti stafilokokkovogo anatoksina. J. mikrob., Moskva, 1945, No. 12, 31–7.

—— Anatoxin: Mode of action.

Acute nephritis following injections of staphylococcus anatoxin. J. Am. M. Ass., 1936, **106**: 1403.—**Brogi, G.** Ulteriori osservazioni sul comportamento dell'immunità umorale antistafilotossica in seguito ad iniezioni di anatossina specifica. Lattante, 1939, **10**: 193–208.—**Bruynoghe, R.** Rapport de la Commission chargée d'examiner le travail manuscrit présenté par M. P. Nélis et intitulé: Contribution à l'étude de l'anastaphylotoxine; résultats pratiques et mécanisme d'action de l'anastaphylotoxine. Bull. Acad. méd. Belgique, 1937, 6. ser., **2**: 54–7.—**Calcinai, M.** Azioni leucocitarie e produzione di anticorpi; tossina e anatossina stafilococcica. Boll. Ist. sieroter. milan., 1936, **15**: 87–96.—**Combiesco, D., Combiesco, N., & Covacreanu, C.** Sur le mécanisme de l'action de l'anatoxine staphylococcique. C. rend. Soc. biol., 1937, **124**: 485–7.—**De Renzi, S.** Action de l'autolysat leucocytaire sur le pouvoir antigène de l'anatoxine staphylococcique. Boll. Sez. ital. Soc. internaz. microb., 1935, **7**: 369–76.—**Djourichitch, M.** La réaction locale provoquée par l'inoculation de staphylocoques chez le cobaye neuf et chez le cobaye vacciné au moyen de l'anatoxine staphylococcique. C. rend. Soc. biol., 1936, **122**: 1168–70.—**Duvoir, M., Pollet, L.** [et al.] Collapsus mortel au cours d'un traitement par l'anatoxine staphylococcique. Bull. Soc. méd. hôp. Paris, 1936, 3. ser., **52**: 344–52.—**Faure-Beaulieu, M., & Feld, M.** Quadriplégie polynévritique dès le début d'un traitement par l'anastaphylotoxine. Monde méd., 1939, **49**: 617–21. Also Spanish transl., Rev. méd., Puebla, 1944, **17**: No. 164, 24–32.—**Franco, E.** L'anatossina stafilococcica; ricerche di laboratorio e applicazioni pratiche. Gior. batt. immun., 1936, **17**: 95–121.—**Gernez, C.** L'anastaphylotoxi-réaction. C. rend. Soc. biol., 1937, **124**: 679–81.—**Gómez J., & de Cisneros, J. M.** La anatoxina estafilocócica, su valor terapéutico y naturaleza de la inmunidad que determina. Arch. med., Madr., 1936, **39**: 265–72. ——— **& Urgoiti, L. G.** Estudio crítico experimental de la toxina y anatoxina estafilocócica. Ibid., 1935, **38**: 727–42.—**Kitching, J. S., & Farrell, L. N.** The stability and antigenicity of staphylococcic toxoid. J. Immun., Balt., 1938, **34**: 1–9.—**Kourilsky, R., & Mercier, P.** De l'immunization antistaphylococcique par l'anatoxine spécifique. C. rend. Soc. biol., 1945, **139**: 248.—**Li, K. H.** Comparison of the antigenicity of three forms of staphylococcal toxoid. Proc. Soc. Exp. Biol., N. Y., 1936, **34**: 657.—**Mercier, P.** Influence de l'acide ascorbique sur l'effet immunisant de l'anatoxine staphylococcique. C. rend. Soc. biol., 1938, **128**: 646–8.—**Montemartini, G., & Mondolfo, U.** Contributo allo studio dell'azione locale della anatossina stafilococcica. Minerva med., Tor., 1938, **29**: pt 2, 471–7.—**Morgunov, I. N.** [Manifestations of allergy in animals immunized with staphylococcic anatoxin] J. mikrob., Moskva, 1942, 75 (Abstr.)—**Nélis, P.** Contribution à l'étude de l'anastaphylotoxine; résultats pratiques et mécanisme d'action de l'anastaphylotoxine; deuxième mémoire. Bull. Acad. méd. Belgique, 1937, 6. ser., **2**: 106–24. ——— Essai comparatif de production d'antitoxine staphylococcique au moyen de deux anatoxines de pouvoir antigène très différent. C. rend. Soc. biol., 1937, **125**: 128–30. ——— **& De Weerdt, W.** L'influence de l'anatoxine staphylococcique sur la formule sanguine du lapin. Ibid., 1936, **123**: 450–2.—**Ramon, G., Bocage, A.** [et al.] Etude sérologique et clinique de l'immunité dans l'anatoxithérapie staphylococcique. Rev. immun., Par., 1936, **2**: 551–65.—**Ramon, G., Boivin, A., & Richou, R.** L'anastaphylotoxine purifiée par l'acide trichloracétique et la production d'antitoxine staphylococcique chez l'animal. C. rend. Soc. biol., 1937, **124**: 88–90.—**Ramon, G., Gernez, C.** [et al.] Sur le développement de l'immunité antitoxique au cours de l'anatoxithérapie staphylococcique chez l'homme. Ibid., 1936, **123**: 568–72. ——— Recherches sur le développement de l'immunité antitoxique et sur les conditions optima de l'immunisation dans l'anatoxithérapie staphylococcique chez l'homme. Rev. immun., Par., 1936, **2**: 566–79. ——— L'activité immunisante de l'anatoxine staphylococcique purifiée (par l'acide trichloracétique) employée à titre préventif chez l'homme. C. rend. Soc. biol., 1937, **124**: 90–3.—**Ramon, G., & Richou, R.** Du pouvoir antigène de la toxine et de l'anatoxine staphylococcique; sa résitance à la chaleur. Ibid., 1935, **120**: 290–3. ——— **& Djourichitch, M.** Sur le mécanisme de l'immunité conférée par l'anatoxine staphylococcique à l'égard de l'infection par le staphylocoque virulent. Rev. immun., Par., 1936, **2**: 482–93.—**Ramon, G., Richou, R., & Rouchdi, M.** Valeur antigène intrinsèque et activité immunisante de l'anatoxine staphylococcique. C. rend. Soc. biol., 1937, **125**: 970–4.—**Richou, R.** Les variations de l'immunité et de la production d'antitoxine spécifique chez deux groupes de lapins traités par les même échantillons d'anatoxine staphylococcique. Ibid., **126**: 566–8. ——— Essais d'immunisation des animaux par l'anatoxine staphylococcique associée à des agents chimiothérapiques. Rev. immun., Par., 1943, **8**: 46–56. ——— Sur le pouvoir immunisant de l'anatoxine staphylococcique précipitée par l'alun de potassium. C. rend. Soc. biol., 1945, **139**: 387. ——— **& Djourichitch, M.** Sur la valeur immunisante de l'anatoxine staphylococcique dérivée d'une toxine obtenue dans un milieu de composition chimique définie. Ibid., 1939, **130**: 607.—**Richou, R., & Holstein, G.** Etude de l'immunité passive et active chez les chiens soumis dans un but thérapeutique à la séro-anatoxithérapie staphylococcique. Rev. immun., Par., 1943, **8**: 192–4.—**Richou, R., & Mercier, P.** La courbe d'antitoxin staphylococcique chez les lapins immunisés au moyen de l'anatoxine spécifique. C. rend. Soc. biol., 1937, **124**: 899.—**Smith, M. L., & Price, S. A.** The combining power of staphylococcus toxoid; the Danysz effect and other factors influencing its determination. J. Path. Bact., Lond., 1938, **46**: 289–302.—**Touraine, A., Renault, P., & Boyer, P.** Anémie pernicieuse aplastique après vaccination à l'anatoxine staphylococcique. Bull. Soc. fr. derm. syph., 1936, **43**: 366–72.—**Travassos, J.** Pouvoir antigénique et propriétés de l'anatoxine staphylococcique. C. rend. Soc. biol., 1934, **117**: 717–9.—**Tzanck, A., Klotz, H. P., & Negreanu, A.** Le mécanisme de la vaccinothérapie antistaphylococcique par l'anatoxine. Bull. Soc. méd. hôp. Paris, 1936, 3. ser., **52**: 396–8. ——— A propos d'un cas de néphrite déclenché par l'anatoxine antistaphylococcique. Ibid., 452–5.—**Weaver, J. B., & Tyler, M. W.** The effect of sulfonamide compounds on antibody response to staphylococcus toxoid. J. Laborat. Clin. M., 1942–43, **28**: 1792–4.—**Weerot, W. de.** L'influence des anatoxines sur la formule sanguine. Rev. belge sc. méd., 1937, **9**: 179–99.

—— Anatoxin: Therapeutic use.

See also **Micrococcosis,** Treatment: Biological products; **Micrococcus sepsis,** Treatment: Anatoxin; **Osteomyelitis,** Treatment; **Staphyloderma,** Treatment; **Wound infection,** Treatment.

DUFETRELLE, C. *L'anatoxine staphylococcique et son emploi dans le traitement des suppurations chez le cheval (étude clinique et immunologique) [Alfort] 70p. 24cm. Par., 1943.

LALAI, H. *L'anastaphylotoxine et le traitement des staphylococcies. 79p. 8° Lyon, 1936.

MERCIER, P. *L'anatoxine staphylococcique et le traitement des affections à staphylocoques. 169p. 8° Par., 1937.

PANNEQUIN, C. *Contribution à l'étude de la vaccination par l'anatoxine staphylococcique. 157p. 24cm. Lille, 1937.

VAISSIÉ, B. J. C. *Le traitement par l'anastaphylotoxine des infections à staphylocoques en chirurgie. 53p. 25cm. Bord., 1937.

Aaser, E. [Staphylo-anatoxin and its application] Norsk. mag. laegevid., 1938, **99**: Forh. Norsk med. selsk., 1–8.—**Anatossina** stafilococcica e le sue applicazioni pratiche. Terapia, Milano, 1936, **26**: 139–44.—**Anatossiterapia** delle affezioni stafilococciche. Ibid., 1939, **29**: 286–8.—**Ansal, F.** Stafilokok anatoksini istihsali ve tedavideki tatbikatl. Türk ijiyen & tecr. biyol. dergisi, 1947, **7**: No. 3, 5–30.—**Arteni, V., & Teodorescu, T.** [Specific anatoxin in treatment of staphylococcic affections in otorhinology] Spitalul, 1938, **58**: 478.—**Aversa, T.** Ricerche sull'anatossivaccinazione stafilococcica. Policlin. inf., Tor., 1939, **7**: 41–7.—**B. L., A.** Tratamiento de las estafilococcias por la anatoxina; últimos progresos. Día méd., B. Air., 1938, **10**: 374.—**Bentivoglio, G. C.** L'anatossina stafilococcica in terapia pediatrica. Pediat. med. prat., Tor., 1937, **12**: 217–45.—**Bocage, A.** Les enseignements de l'anatoxithérapie staphylococcique. Bull. Soc. méd. Paris, 1937, 605–15. ——— L'anatoxine staphylococcique et son utilisation en stomatologie. Rev. stomat., Par., 1937, **39**: 241–7 ——— **& Mercier, P.** Innocuité de l'anatoxine staphylococcique et formule sanguine des vaccinés. C. rend. Soc. biol., 1936, **122**: 1270. ——— **& Defrance, M.** L'anatoxine staphylococcique purifiée dans le traitement des affections à staphylocoques. Bull. Soc. fr. derm. syph., 1937, **44**: 656–61. ——— L'anatoxi-réaction au cours du traitement par l'anatoxine staphylococcique. C. rend. Soc. biol., 1938, **128**: 712–4.—**Bocage, A., Mercier, P., & Pillet, J.** L'anatoxine staphylococcique purifiée; résultats cliniques et sérologiques. Ann. Inst. Pasteur, Par., 1947, **73**: 77. ——— L'anatoxithérapie spécifique des affections staphylococciques; résultats; l'association pénicilline-anatoxine. Echo méd. Nord, 1947, **18**: 257–63. Also J. méd. Bordeaux, 1948, **125**: 145–54. ——— Le traitement des infections staphylococciques par l'anatoxine spécifique; résultats, précisions. Rev. Corps san. mil., Par., 1947, **3**: 123–36.—**Brück, C.** L'anatoxine staphylococcique, un nouveau remède contre les staphylodermies. Acta derm. vener., Stockh., 1940, **21**: 46–52.—**Camara, A.** Tratamento das estafilococias pela anatoxina. Rev. med. mil., Rio, 1937, **26**: 7–15.—**Caminiti, S.** L'anatossina stafilococcica e le sue applicazioni cliniche. Terapia, Milano, 1937, **27**: 161–76.—**Ciantini, F.** Le basi sperimentali dell'anatossiterapia stafilococcica e i resultati da essa conseguiti fin'ora. Ibid., 1938, **28**: 193–205. ——— I concetti fondamentali della terapia anatossica nelle infezioni da stafilococco. Ibid., 1939, **29**: 293–8. ——— Le applicazioni dell'anatossina stafilococcica nella pratica. Ibid., 313–21.—**Debré, R., Bonnet, H., & Thieffry, S.** L'anatoxine staphylococcique; son emploi dans le traitement des staphylococcies. Paris méd., 1936, **99**: 494–500.—**Delaunay, A.** L'immunité antistaphylococcique conférée par l'anatoxine spécifique et son mécanisme. Rev. immun., Par., 1938, **4**: 65–96.—**Derick, C. L.** The treatment of staphylococcus infections with staphylococcus toxoid. In: Med. Papers (H. A. Christian Anniv. Vol.) Bost., 1936, 738–41.—**Dolman, C. E.** Treatment of localized staphylococcic infections

with staphylococcus toxoid. J. Am. M. Ass., 1933, **100**: 1007–10. ——— Clinical uses of staphylococcus toxoid. Lancet, Lond., 1935, **1**: 306–13. Also Stud. Connaught Laborat., 1936, **7**: No. 5.—**Dumitrescu, C.** [Application of anastaphylotoxin in staphylococci] Rev. şt. med., Bucur., 1938, **27**: 22–33.—**Gaté, J., Cuilleret & Chanial, G.** A propos de douze cas traités par l'anatoxine staphylococcique. Bull. Soc. fr. derm. syph., 1936, **43**: Lyon meet., 946–8. Also Lyon méd., 1936, **158**: 288–90.—**Gernez, C.** L'intradermo-réaction à la toxine staphylococcique avant et après vaccination par l'anastaphylotoxine. C. rend. Soc. biol., 1937, **124**: 72–4.—**Gilbrin, E.** L'anatoxine staphylococcique et le traitement des affections à staphylocoques. Progr. méd., Par., 1937, 871.—**Gilchrist, J. A., & Wilson, M. J.** The clinical use of staphylococcic toxoid. Canad. M. Ass. J., 1935, **33**: 292–7.—**Gould, G. N.** The use of staphylococcal toxoid in the field. Vet. Rec., Lond., 1942, **54**: 106.—**Holstein, G., & Richou, R.** L'anatoxine staphylococcique et son emploi dans le traitement des suppurations chez le cheval. Rec. méd. vét., 1941, **117**: 116–25. ——— L'anatoxine staphylococcique et son emploi dans certains affections dues au staphylocoque. Bull. Acad. vét. France, 1942, **15**: 114.—**Lacorte, J. G.** Emprego da anatoxina estafilocócica. Hospital, Rio, 1938, **13**: 715–7.—**Lesbre, P.** Immunisation cutanée antistaphylococcique du lapin par pansements à la toxine neutralisée par la chaleur et le formol. C. rend. Soc. biol., 1926, **94**: 1222.—**Licciardi, S.** L'anastafilotossina e le sue applicazioni pratiche contro le infezioni da stafilococco. Rass. clin. ter., 1937, **36**: 219–26.—**Longacre, A. B.** Studies of antihemolysin level in patients with staphylococcus infections treated with staphylococcus toxoid. Surgery, 1941, **10**: 576–91.—**Marcialis, I.** Anatossina stafilococcica ed immunità umorale. Policlinico, 1938, **45**: sez. med., 157–64.—**Mendes de Castro.** Alguns casos de estafilococia tratados pela anatoxina. Gaz. clín., S. Paulo, 1939, **37**: 428.—**Mercier, P.** Rôle de l'antitoxine spécifique sur l'évolution des lésions locales provoqués par l'inoculation de staphylocoques. C. rend. Soc. biol., 1937, **126**: 228–31. ——— **& Pillet, J.** La toxinogénèse staphylococcique sur hydrolysat de viande; immunisation avec l'anatoxine dérivée de la toxine obtenue sur ce milieu. Ann. Inst. Pasteur, Par., 1946, **72**: 659.—**Mondolfo, U.** Anatoxi-vaccination staphylococcique par voie cutanée. Rev. immun., Par., 1938, **4**: 146–60.—**Mornet, J.** Traitement des dermo-épidermites microbiennes par l'anatoxine de Ramon. Bull. Soc. fr. derm. syph., 1939, **46**: 1476–8.—**Murray, D. S.** Staphylococcus toxoid; a clinical trial. Lancet, Lond., 1935, **1**: 305–6.—**Nélis, P.** Une nouvelle thérapeutique des staphylococcies; la vaccinothérapie par l'anastaphylotoxine. Presse méd., 1935, **43**: 1141–4. ——— **& Piérard, J.** Le traitement des affections à staphylocoques par l'anastaphylotoxine. Bruxelles méd., 1936–37, **17**: 412; 502.—**Pouché, A.** Le applicazioni pratiche della anatossina stafilococcica in terapia. Terapia, Milano, 1938, **28**: 353–60.—**Rabboni, F.** L'anatossina stafilococcica nell'osteomielite cronica. Arch. Soc. ital. chir. (1938) 1939, **45**: 712–8.—**Raiga, A.** Essai de synthèse des travaux parus sur l'anatoxithérapie staphylococcique. Gaz. méd. France, 1938, **45**: 19–37.—**Ramon, G.** L'anatoxine staphylococcique et la thérapeutique des affections dues au staphylocoque; résultats, renseignements théoriques et pratiques. Arch. méd. enf., 1938, **41**: 665–94. ——— **Bocage, A.** [et al.] L'anatoxine staphylococcique et son emploi dans le traitement spécifique de certaines affections dues au staphylocoque. Presse méd., 1935, **43**: 1137–41; 1936, **44**: 186–8. ——— Sur l'immunité antistaphylococcique provoquée par l'anatoxine d'affections dues au staphylocoque. Ibid., 1936, **44**: 281–4. ——— Résultats d'ensemble de l'anatoxithérapie spécifique des affections staphylococciques. Ibid., 1937, **45**: 889–92. ——— L'anatoxithérapie spécifique des affections staphylococciques. Ibid., 929–32.—**Ramon, G., Djourichitch, M., & Richou, R.** Sur l'immunité antistaphylococcique provoquée par l'anatoxine spécifique et par différents antigènes vis-à-vis de l'infection expérimentale par le staphylocoque. C. rend. Soc. biol., 1936, **122**: 1160–4.—**Ramon, G., Mercier, P., & Richou, R.** L'anatoxithérapie spécifique des affections dues au staphylocoque; résultats; précisions sur la conduite du traitement. Rev. immun., Par., 1942, **7**: 179–87.—**Ramon, G., & Nélis, P.** L'immunisation antistaphylococcique expérimentale au moyen de l'anastaphylotoxine. C. rend. Soc. biol., 1934, **116**: 1250–2.—**Ramon, G., & Richou, R.** Réactions de certains lapins à des mélanges neutres de toxine et d'antitoxine staphylococciques; phénomènes d'hypersensibilité naturellement acquisée. Ibid., 1936, **121**: 1064–8. ——— **& Djourichitch, M.** Sur le mécanisme de l'immunité conférée par l'anatoxine staphylococcique à l'égard de l'infection par le staphylocoque virulent. Ibid., **122**: 1164–8. ——— Influence de l'immunité antistaphylococcique naturelle sur le développement de l'immunité artificiellement provoquée par l'anatoxine spécifique. Ibid., 1937, **124**: 200–2.—**Ramon, G., Richou, R., & Holstein, G.** L'application de l'anatoxine staphylococcique au traitement spécifique de diverses affections dues au staphylocoque chez les animaux domestiques. Bull. Acad. vét. France, 1942, **15**: 55–9. Also Rev. immun., Par., 1942, **7**: 241–4.—**Ribeiro, G. N.** Introducção ao estudo da anatoxina estafylococcica em cirurgia. Rev. méd. cir. Brasil, 1937, **45**: 199–214.—**Richou, R., & Holstein, G.** Le développement de l'antitoxine staphylococcique chez les animaux soumis aux injections d'anatoxine spécifique. Rev. immun., Par., 1940–41, **6**: 363–80. ——— L'anatoxithérapie staphylococcique en médecine vétérinaire; résultats obtenus chez le cheval dans le traitement des maux de garrot et des maux de croupe et de nuque. Bull. Acad. vét. France, 1943, **16**: 206–12.—**Richou, R., & Mercier, P.** Rapprochement des injections d'anatoxine staphylococcique et développement de l'immunité antitoxique chez la lapin. C. rend. Soc. biol., 1937, **124**: 202.—**Rousset.** Staphylococcie à localisations multiples, entre autres, épididymaire, guérie par l'anatoxine staphylococcique Mém. Acad. chir., Par., 1937, **63**: 787–97.—**Sato, S., & Kodama, T.** Studies of intranasal immunization with staphylococcal toxoid. Kitasato Arch., 1939, **16**: 323–39.—**Sauvé, L.** L'anatoxine staphylococcique en chirurgie. Mém. Acad. chir., Par., 1936, **52**: 45–9.—**Smith, M. L.** Circulating antitoxin and resistance to experimental infection with staphylococci. J. Path. Bact., Lond., 1937, **45**: 305–10.—**Takahasi, S.** 3:4 benzopyrine hatuka-nezumi nikusyu ni tai-suru sin-budō-zyō-kyūkin-toxoid no eikyō. Osaka igakkai zassi, 1943, **42**: 1505–7.—**Tamargo Iribarria, A.** Tratamiento de las estafilococias externas por la anatoxina específica. Rev. san. mil. (Chile) 1936–37, **4**: 261–302.—**Tangari, C.** Azione dell'anastafilotossina applicata localmente sulle ferite infette e sui focolai infiammatori in genere. Riforma med., 1938, **54**: 343–6.—**Timmerman, W. A.** [Staphylococcus toxoid as remedy] Ned. tschr. geneesk., 1937, **81**: 1725–35.—**Tratamiento** de las estafilococias por la anatoxina estafilocócica. Día méd., B. Air., 1935, **7**: 1521.—**Wilson, H. M.** Use of staphylococcal toxoid in the field. Vet. Rec., Lond., 1942, **54**: 137.

—— Antibiosis.

See also subheading Symbiosis.

BERNARD, H. *Recherches sur l'antagonisme du staphylocoque et du bacille de Loeffler [Lyon] 82p. 8° Bourg, 1936.

Barber, M. Coagulase-positive staphylococci resistant to penicillin. J. Path. Bact., Lond., 1947, **59**: 373–84, pl. ——— Sensitisation of penicilin-resistant staphylococci. Lancet, Lond., 1948, **1**: 730.—**Bellamy, W. D., & Klimek, J. W.** Some properties of penicillin-resistant staphylococci. J. Bact., Balt., 1948, **55**: 153–60.—**Bifli Gentili, G.** Sulle modificazioni morfologiche in vitro dello Staphylococcus pyogenes in presenza di penicillina. Boll. Soc. ital. biol. sper., 1946, **22**: 197.—**Bondi, A., jr, & Dietz, C. C.** Penicillin resistant staphylococci. Proc. Soc. Exp. Biol., N. Y., 1945, **60**: 55–8.—**Card, D. H.** Penicillin resistance of staphylococci. Med. J. Australia, 1948, **1**: 767.—**Di Marco, A.** Ricerche sulle caratteristiche di ceppi di stafilocco artificialmente resi penicillino-resistenti. Boll. Ist. sieroter. milan., 1946, **25**: 234–8.—**Dujardin-Beaumetz, E.** Action antibiotique d'une variété de staphylocoque à l'égard des bacilles gram-positifs et acido-résistants. C. rend. Soc. biol., 1932, **110**: 1210.—**Eriksen, K. R.** Studies on induced resistance to penicillin in staphylococci. Acta path. microb. scand., 1946, **23**: 284–92.—**Fredericq, P.** Sur la sensibilité et l'activité antibiotique des staphylocoques. C. rend. Soc. biol., 1946, **140**: 1167–70. ——— **& Betz, M.** Rapports entre les propriétés biochimiques des staphylocoques et leur sensibilité à divers antibiotiques. Ibid., 1191.—**Frieden, E. H., Whiteley, H. R., & Frazier, C. N.** Some characteristics of penicillin-resistant staphylococci. Texas Rep. Biol. M., 1947, **5**: 74–91.—**Gale, E. F., & Rodwell, A. W.** Amino acid metabolism of penicillin-resistant staphylococci. J. Bact., Balt., 1948, **55**: 161–7.—**Graessle, O. E., & Frost, B. M.** Induced in vitro resistance of staphylococci to streptomycin and penicillin. Proc. Soc. Exp. Biol., N. Y., 1946, **63**: 171–5.—**Jennings, M. A., & Sharp, A. E.** Antibacterial activity of the Staphylococcus. Nature, Lond., 1947, **159**: 133.—**Lesbre, P., & Merle, A.** Intérêt épidémiologique et pratique d'un antagonisme naturel du staphylocoque vis-à-vis du bacille de Loeffler. Presse méd., 1947, **55**: 719.—**Luria, S. E.** A test for penicillin sensitivity and resistance in Staphylococcus. Proc. Soc. Exp. Biol., N. Y., 1946, **61**: 46–51.—**McMillan, I. K. R.** Penicillin-sensitive staphylococci; report of laboratory procedures. S. Thomas Hosp. Gaz., Lond., 1946, **44**: 135–8.—**Magrassi, F., & Spiga, A.** Studi su un principio antibatterico d'origine coccica; estrazione, purificazione, caratterizzazione chimica. Boll. Soc. ital. biol. sper., 1946, **22**: 317–9.—**Mason, H. C.** Food-poisoning staphylococci and the order of their resistance to penicillin. J. Immun., Balt., 1945, **51**: 307; passim.—**Morra, F.** Sensibilità degli stafilococchi alla penicillina ed alla streptomicina. Riv. Ist. sieroter. ital., 1948, **23**: 1. sez., 106–12.—**Nekám, L., jr, & Polgár, P.** The inhibitory effect of a mold upon staphylococcus. Urol. Cut. Rev., 1948, **52**: 372–5.—**Neter, E.** Relative susceptibility of staphylococci to the bacteriostatic action of antibiotics. Proc. Soc. Exp. Biol., N. Y., 1945, **58**: 126–8.—**Parker, R. F., & Luse, S.** The action of penicillin on Staphylococcus; further observations on the effect of a short exposure. J. Bact., Balt., 1948, **56**: 75–81.—**Parker, R. F., & Marsh, H. C.** The action of penicillin on Staphylococcus. Ibid., 1946, **51**: 181–6.—**Prica, M.** Ueber die antagonistische Wirkung von Staphylokokken gegenüber kapseltragenden Bakterien. Zschr. Hyg., 1938–39, **121**: 81–9.—**Schuler, W.** Zur Wirkung von Penicillin auf Staphylokokken und deren Hemmung. Schweiz. med. Wschr., 1946, **76**: 1192.—**Tulasne, R., & Vendrely, R.** Cytology of staphylococci before and after treatment with penicillin. Nature, Lond., 1948, **161**: 316.—**Winner, H. I.** Quantitative sensitisation of a penicillin-resistant Staphylococcus. Lancet, Lond., 1948, **1**: 674.

—— Antibodies.

See also other subheadings (Anatoxin; Antitoxin, etc.)

FRENZEL, L. *Vergleichende Untersuchungen über den Gehalt an Staphylococcen-Antitoxin und bakteriziden Antikörpern gegenüber Staphylococcen im Menschen- und Tierblut [Breslau] 27p. 8° Liebau, 1934.

Ajo, C. Sur la valeur de la réaction de déviation du complement pour l'étude des anticorps staphylococciques et des anticorps normaux en général. C. rend. Soc. biol., 1936, **122:** 276–80.—**Bekker, J. H.** Studies on staphylococci; antistaphylocoagulase in human serum. Antonie van Leeuwenhoek, Amst., 1947, **13:** 128–34.—**Brzezinski, S.** Untersuchungen über die normalen Antistaphylolysine des menschlichen Serums. Schweiz. Zschr. allg. Path., 1939, 2: 18–30.—**Burky, E. L.** Antitoxin content of rabbit serums immune to staphylococcus toxin and the precipitin reactions of such serums. J. Immun., Balt., 1933, **25:** 419–37. ——— The production of staphylococcal antibodies in human subjects by the injection of staphylococcus toxin. J. Bact., Balt., 1937, **33:** 48.—**Carlinfanti, E.** Les anticorps déviant le complément en présence d'antigènes staphylococciques (toxine, anatoxine, germe) chez les animaux normaux et immunisés. C. rend. Soc. biol., 1935, **120:** 1055–7.—**Canlfeild, A. H. W.** Local passive transfer to a frequently recovered strain of Staphylococcus hemolyticus; case report. J. Allergy, 1931, 2: 372–4.—**Combiesco, D., Istrati, G., & Combiesco, N.** Sur les propriétés antihémolytiques et antinécrotiques d'un sérum antistaphylococcique préparé chez le cheval. C. rend. Soc. biol., 1935, **119:** 626–8.—**Forssman, J.** On active immunity against staphylococcal infections and its relation to known antibodies against staphylococci or products of these bacteria. Acta path. microb. scand., 1936, **13:** 459–85.—**Nélis, P.** Considérations sur les toxine et antitoxine staphylococciques. Rev. belge sc. méd., 1934, **6:** 538–43.—**Neuber, E.** A staphylococcus agglutininjeinek és opsoninjainak képzödése helyérôl a szervezetben. Orv. hetil., 1914, **58:** 287–92.—**Parish, H. J., & Clark, W. H. M.** Staphylococcal toxin and antitoxin. J. Path. Bact., Lond., 1932, **35:** 251–8.—**Ramon, G., Nélis, P., & Richou, R.** Sur la neutralité du mélange floculant toxine- antitoxine staphylococciques. C. rend. Soc. biol., 1935, **119:** 1306–8.—**Savino, E.** Anticorps du sérum antistaphylococcique. Ibid., 1932, **109:** 328.—**Szép, J.** [Effect of skin extracts on the production of staphylococcal opsonin] Orv. hetil., 1939, **83:** 158.—**Timmerman, W. A.** [Staphylococcic toxins and antitoxins] Ned. tschr. hyg. microb., 1932–33, **7:** 178–94.

—— Antigenicity.

Gengou, O. Contribution à l'étude des antigènes et des anticorps staphylococciques. Ann. Inst. Pasteur, Par., 1932, **48:** 135–43. ——— Nouvelle contribution à l'étude des propriétés cytolytiques et toxiques des cultures staphylococciques. Arch. internat. méd. exp., Liége, 1934–35, **9:** 413–26.—**Goadby, K. W.** The antigenic properties of different fractions of Staphylococcus. J. Path. Bact., Lond., 1932, **35:** 657.—**Hobbs, B. C.** A study of the serological type differentiation of Staphylococcus pyogenes. J. Hyg., Lond., 1948, **46:** 222–38.—**Holm, A., Anderson, J. F., & Leonard, G. F.** Combined staphylococcal endo- and exo-antigen. Proc. Soc. Exp. Biol., N. Y., 1936, **34:** 502–4.—**Julianelle, L. A.** The immunological specificity of staphylococci. J. Bact., Balt., 1937, **33:** 49. ——— & **Weighard, C. W.** Immunological specificity of carbohydrates derived from staphylococci. Proc. Soc. Exp. Biol., N. Y., 1934, **31:** 947–9.—**Koizumi, K.** Ueber die Darstellung von spezifischen Rezeptoren bei Staphylococcus pyogenes. Tohoku J. Exp. M., 1939, **35:** 572–5.—**Oka, S.** Ueber das die grösste Phagozytose von Staphylokokken im zirkulierenden Blute veranlassende Antigen, sowie den Unterschied zwischen der unspezifischen und spezifischen Zellaktivierung. J. Orient. M., Dairen, 1929, **11:** 19.—**Tamaki, S.** Experimentelle Studien über das Staphylolysin und Leucocidin von pathogenen Staphylokokken. Fukuoka ikwadaigaku zassi, 1928, **21:** 14–6.—**Thompson, R., & Khorazo, D.** Antigenic and biochemical properties of staphylococci. J. Bact., Balt., 1937, **33:** 51. ——— Correlated antigenic and biochemical properties of staphylococci. Ibid., **34:** 69–79.—**Verwey, W. F.** A type-specific antigenic protein derived from the Staphylococcus J. Exp. M., 1940, **71:** 635–44.—**Weighard, C. W., & Julianelle, L. A.** The immunological specificity of staphylococci; the chemical nature of the soluble specific substances. Ibid., 1935, **62:** 23–30.

—— Antitoxin.

See also subheading Immune serum.

Bentivoglio, G. C. Sul contenuto di antitossina stafilococcica nel siero di sangue del bambino. Bull. Accad. med. Roma, 1936, **62:** 448–57.—**Bonnet, H., Thieffry, S., & Montefiore.** L'antitoxine staphylococcique d'origine naturelle chez la souris. C. rend. Soc. biol., 1936, **123:** 781.—**Brogi, G.** Sulla presenza di antitossina stafilococcica negli essudati pleurici e nel liquido cefalorachidiano. Pediatria (Riv.) 1941, **49:** 65–74.—**Carlinfanti, E.** Présence d'antitoxine staphylococcique d'origine naturelle et réaction dermique aux antigènes staphylococciques chez le cobaye. C. rend. Soc. biol., 1935, **120:** 942–4.—**Clinical** (The) use of staphylococcus antitoxin. Bull. Lederle Laborat., 1940, **8:** 69.—**Djourichitch, M.** Sur la présence de staphylocoques toxigènes et d'antitoxine staphylococcique chez le cobaye neuf. C. rend, Sec. biol., 1936, **122:** 609–11.—**Dolman, C. E.** Staphylococcus antitoxic serum in the treatment of acute staphylococcal infections and toxæmias. Canad. M. Ass. J., 1934, **30:** 601; **31:** 1; 130. ——— Antitoxic immunity in the prophylaxis and treatment of staphylococcal infections. J. Bact., Balt., 1937, **33:** 48.—**Eschen, J.** [Determination of the diagnostic significance of staphylococcal antitoxins] Ugeskr. laeger, 1940, **102:** 741.—**Ghosh, B. N., & Ray, N. N.** The Danysz phenomena in staphylococcal toxin-antitoxin reaction. Ind. J. M. Res., 1937, **25:** 477–82.—**Glenny, A. T., & Stevens, M. F.** Staphylococcus toxins and antitoxins. J. Path. Bact., Cambr., 1935, **40:** 201–10.—**Gratia, A., & Nélis, P.** L'ultracentrifugation du sérum antistaphylotoxique. C. rend. Soc. biol., 1938, **127:** 840.—**Gross, H.** Die Wertbestimmungsmethoden des antitoxischen Staphylokkenserums. Zschr. Immunforsch., 1933, **79:** 163–70.—**Hartley, P., & Smith, M. L.** A proposed international standard for staphylococcus antitoxin. Q. Bull. Health Org. League of Nat., 1935, Jan., 68–120.—**Ipsen, J.** La présence naturelle des antitoxines staphylococciques α et β chez l'humain. Acta path. microb. scand., 1940, **17:** 42–5. ——— [Diagnostic significance of staphylococcal antitoxins] Ugeskr. laeger, 1940, **102:** 739–41. ——— & **Rostock, O.** A provisional standard for staphylococcus β antitoxin. Bull. Health Org. League of Nat., 1945–46, **12:** 390–3.—**Johnson, F. H., & Wright, G. G.** Influence of hydrostatic pressure on the denaturation of staphylococcus antitoxin at 65° C. Proc. Nat. Acad. Sc. U. S., 1946, **32:** 21–5.—**Kleiger, B., & Blair, J. E.** The specific use of antitoxin in staphylococcal infections. Bull. Hosp. Joint Dis., N. Y., 1942, **3:** 119–24.—**Kourilsky, R., & Corre, L.** Influence de la sous-alimentation sur le développement de l'antitoxine staphylococcique chez l'homme. C. rend. Soc. biol., 1945, **139:** 169.—**Lichty, J. A.,** jr, & **Katsampes, C. P.** A method for the determination of staphylococcal antitoxin and anticapsular agglutinin using capillary blood. J. Laborat. Clin. M., 1942–43, **28:** 1258–61.—**Miller, W. T., & Heishman, J. O.** Staphylococcal antitoxin in the blood, milk, and colostrum of cows. Am. J. Vet. Res., 1943, **4:** 265–9.—**Mineit, F. C.** Staphylococcus antitoxin in the blood and milk of cows and other animals. J. Comp. Path., Lond., 1937, **50:** 173–90.—**Nélis, P.** Action du sérum antistaphylotoxique sur les paralysies staphylotoxiques expérimentales du lapin. C. rend. Soc. biol., 1935, **118:** 212–5. ——— Infection expérimentale et immunité anticoxique staphalococciques. Ibid., 1384–7. ——— L'immunité antitoxique staphylococcique. Rev. immun., Par., 1935, **1:** 152 76. ——— & **Picard, E.** Sur la toxicité de certains mélanges neutres toxine-antitoxine staphylococciques. C. rend. Soc. biol., 1935, **120:** 610–2.—**Nélis, P., & Poncelet, F.** L'antitoxine staphylococcique naturelle chez l'homme. Ibid., **118:** 312–5.—**Panton, P. N., Valentine, F. C. O., & Dix, V. W.** Staphylococcal infection and antitoxin treatment. Lancet, Lond., 1931, **2:** 1180–3.—**Parker, J. T., & Banzhaf, E. J.** Production of staphylococcus antitoxin in horses. J. Immun., Balt., 1927, **13:** 25–9.—**Ramon, G., Bonnet, H.** [et al.] Sur la production du sérum antistaphylococcique. C. rend. Soc. biol., 1936, **122:** 1002–4.—**Ramon, G., Nélis, P., & Bonnet, H.** Sur la floculation dans les mélanges de toxine staphylococcique et de sérum spécifique; son aspect, ses caractéristiques, sa signification. Ibid., 1935, **119:** 787–90.—**Ramon, G., & Richou, R.** L'antitoxine staphylococcique d'origine naturelle, chez le cobaye et chez le lapin, suivant leur provenance, leur habitat, leur race; conséquences théoriques et pratiques. Ibid., 1936, **121:** 621–5. ——— Sur la production de l'antitoxine staphylococcique chez le cheval; influence de l'état d'immunité naturelle et du rapprochement des injections d'antigène. Ibid., 1937, **124:** 315–7. ——— Sur la production rapide d'un sérum antistaphylococcique de valeur antitoxique élevée. Rev. immun., Par., 1939, **5:** 427–31. ——— & **Descazeaux, J.** L'antitoxine staphylococcique d'origine naturelle, chez l'homme et chez différentes espèces animales. Ibid., 1935, **1:** 401–14. ——— Sur la présence d'antitoxine staphylococcique d'origine naturelle chez l'homme et chez différentes espèces animals. C. rend. Soc. biol., 1935, **119:** 1070–2.—**Richou, R.** Sur la présence d'antitoxine staphylococcique d'origine naturelle chez le rat, la poule et le pigeon. Ibid., 1936, **123:** 741. ——— Sur l'absence d'antitoxine staphylococcique d'origine naturelle dans le liquide céphalo-rachidien de sujets qui renferment dans leur sérum cette antitoxine à des taux variables. Gaz. hôp., 1940, **113:** 468.—**Ridgon, R. H.** The effect of staphylococcus antitoxin on rabbits given broth cultures of staphylococci intravenously. J. Laborat. Clin. M., 1937–38, **23:** 159–63. ——— Effects of intraperitoneal injections of staphylococcus antitoxin in subcutaneous staphylococcic infection in mice. Ibid., 1939–40, **25:** 251–7. ——— Localization and concentration of staphylococcus antitoxin in areas of rabbit's skin. Ibid., 1941–42, **27:** 37–40.—**Scapaticci, R.** L'antitossina stafilococcica nel colostro e nel latte di donna e di vacca. Lattante, 1938, **9:** 363–71.—**Seely, D. D., Stookey, P. F., & Sherwood, N. P.** A study of staphylococcus antitoxin titers in normal human sera. J. Laborat. Clin. M., 1944, **29:** 1162–7.—**Smith, M. L.** The stability of staphylococcus α-antitoxin at different temperatures. Q. J. Pharm., Lond., 1939, **12:** 699–706. ——— & **Ipsen, J.** The preparation of a second international standard for staphylococcus antitoxin. Bull. Health Org. League of Nat., 1938, **7:** 845–52.—**Staphylococcus** antitoxin; refined and concentrated. Glasgow M. J., 1938, **129:** 142.—**Terpstra, J. I.** De behandeling van staphylococcen-infecties met toxoid. Tschr. diergeneesk., 1947, **72:** 204–11.—**Timmerman, W. A.** The assay of staphylococcus antitoxin by the haemolytic method. Brit. J. Exp. Path., 1937, **18:** 406–11.—**Travassos, J.** Sur une nouvelle méthode du dosage de l'antitoxine staphylococcique. C. rend. Soc. biol., 1933, **114:** 371. ——— Pou-

voir préventif et curatif de l'antitoxine staphylococcique en relation avec l'effet tétanisant de la toxine. Ibid., 1934, **115**: 1356–8.—**Weaver, J. B., Tyler, M. W., & Schuerman, D. K.** The production of staphylococcus antitoxin. J. Laborat. Clin. M., 1942–43, **28**: 1775–85.—**Weiss, C.** Availability of staphylococcal antitoxin after intramuscular injection into normal monkeys and men. Proc. Soc. Exp. Biol., N. Y., 1940, **43**: 441–5.—**Wright, G. G., & Schomaker, V.** Studies on the denaturation of antibody; the influence of pH and certain other factors on the rate of inactivation of staphylococcus antitoxin in urea solutions. J. Biol. Chem., 1948, **175**: 169–77.

—— Antivirus.

See also **Micrococcus pyogenes** (var. aureus) Pathogenicity.

GARIN, F. *Contribution à l'étude des réactions intradermiques à l'antivirus staphylococcique. 46p. 22½cm. Lausanne, 1938.

Also Rev. méd. Suisse rom., 1938, **58**: 129–70.

Aitoff, M. De l'antivirus staphylococcique en injection intraveineuse. C. rend. Soc. biol., 1934, **116**: 1026–8.—**Balsamelli, F.** Recherches expérimentales sur les antivirus staphylococciques. Boll. ital. Soc. internaz. microb., 1935, **7**: 134–41.—**Barg, G. S.** Versuche zur Analyse der Immunisierenden Wirkung der Staphylokokkenfiltrate. Zbl. Bakt., 1. Abt., 1928, **108**: 341–52.—**Barnes, La V.** A note on the use of specific wet dressings of staphylococci according to the method of Besredka. J. Bact., Balt., 1929, **17**: 41.—**Ceppi, E.** Infection staphylococcique grave rapidement enrayée par l'antivirus. Schweiz. med. Wschr., 1929, **59**: 1261.—**Fabiani, G.** Mécanisme de l'action immunisante des antivirus en application local. C. rend. Soc. biol., 1934, **116**: 1076–8.—**Gallenga, R.** Ricerche sull'immunità locale dell'occhio coll'antivirus stafilococcico. Boll. ocul., 1928, **7**: 725–37.—**Hunwicke, R. F.** Note on the inhibitory effect of a staphylococcus antivirus in relation to the pH of the medium. Lancet, Lond., 1929, **1**: 771.—**Ilitch, Z., & Duran-Reynals, F.** De l'antivirus staphylococcique et de divers modes de sa préparation. C. rend. Soc. biol., 1926, **94**: 1176.—**Karetnikova, V.** [Staphylococcic antivirus] Arch. biol. nauk, 1927, **27**: 135–9.—**Kato, M.** Ueber den Einfluss von Staphylokokken-Antivirus auf die Gewebskultur. Mitt. Med. Akad. Kioto, 1935, **15**: 321.—**Kihoin, A., & Mori, N.** Studien über die Immunität des Staphylokokkenantivirus. Ibid., 1938, **24**: 875.—**Marginesu, P.** Ricerche sull'antivirus stafilococcico. Igiene mod., 1928, **21**: 15–22.—**Oesterlin, E.** Ueber die Wirkung des Antivirus in vitro und in vivo. Zbl. Bakt., 1. Abt., 1938, **142**: 473–8.—**Poleff, L.** Action de l'adrénaline sur l'immunization locale par l'antivirus staphylococcique. C. rend. Soc. biol., 1931, **106**: 431–3.—**Verlende, J.** Recherches expérimentales sur le pouvoir immunisant spécifique du bouillon-antivirus staphylococcique. Rev. belge sc. méd., 1934, **6**: 817–49.

—— Bacteriophage [Staphylophage]

KASPAREK, B. *Ueber Staphylophagen [Frankfurt a. M.] p.369–79. 8° Berl., 1931.

Also Deut. Mschr. Zahnh., 1931, **49**:

Assunção, L. de. Estudo sôbre um estafibacteriófago isolado de polpa vacínica. Rev. Ass. paul. med., 1933, **2**: 140–59, 2 pl.—**Berezman, G. I.** [Etude expérimentale de l'action de l'antiphagine sur le cours des infiltrations staphylococciques] Khirurgia, Moskva, 1940, No. 7, 27–30.—**Bulgakov, N., & Sertic, V.** Sur des races de staphyphages isolées de l'eau d'égout. C. rend. Soc. biol., 1930, **104**: 1258–60.—**Burky, E. L.** The effect of normal and immune staphylococcus rabbit serums on the action of staphylococcus bacteriophage. J. Immun., Balt., 1933, **24**: 513–8. ——— The in vivo action of staphylococcus bacteriophage in presence of staphylococcus antitoxin. Proc. Soc. Exp. Biol., N. Y., 1933, **31**: 75–7.—**Burnet, F. M., & Lush, D.** The staphylococcal bacteriophages. J. Path. Bact., Cambr., 1935, **40**: 455–69.—**Burnet, F. M., & McKie, M.** Type differences amongst staphylococcal bacteriophages. Austral. J. Exp. Biol., 1929, **6**: 21–31.—**Callow, B. R.** Further studies on staphylococcus bacteriophage. J. Infect. Dis., 1927, **41**: 124–36.—**D'Hérelle, F., & Rakieten, M. L.** The susceptibility of hemolytic staphylococci to bacteriophage. J. Am. M. Ass., 1933, **100**: 1014. ——— The adaptation of a staphylococcus bacteriophage to an artificially produced antibacteriophagic serum. J. Immun., Balt., 1935, **28**: 413–23.—**Duran-Reynals, F.** Recherches sur un staphylocoque résistant au bactériophage. Ann. Inst. Pasteur, Par., 1928, **42**: 695–711.—**Eaton, M. D.** A quantitative study of the respiration of staphylococcus cultures lysed by bacteriophage. J. Bact., Balt., 1931, **21**: 143–56.—**Eisenberg-Merling, K. B.** Microscopical observations on the bacteriophage of the Staphylococcus. J. Path. Bact., Lond., 1941, **53**: 385–90, pl.—**Elford, W. J., Smiles, J.** [et al.] Electron micrographs of Staphylococcus bacteriophage K and the viruses of vaccinia and Newcastle disease. Biochem. J., Lond., 1947, **41**: Suppl., p. xxv.—**Fiszerów, H.** [Specificity of staphylococcic bacteriophage; absorption of bacteriophage by various strains of staphylococci] Med. dośw., 1937, **22**: 316–22.—**Fong, J., & Krueger, A. P.** The effect of sodium chloride on phage formation by staphylococci at elevated temperatures. J. Gen. Physiol., 1948–49, **32**: 279–89.—**Ganc, P.** [Specificity of staphylococcic bacteriophage; relation between agglutination of staphylococcic strains and their behaviour to bacteriophage] Med. dośw., 1937, **22**: 323–30.—**Givago, N., & Nikolsky, A.** Sur l'étude du staphylophage. Rev. hyg., Par., 1930, **52**: 431–40.—**Gratia, A.** Preliminary report on a staphylococcus bacteriophage. Proc. Soc. Exp. Biol., N. Y., 1920–21, **18**: 217–9. ——— Recherches sur l'origine du bactériophage du staphylocoque. Ann. Inst. Pasteur, Par., 1931, **46**: 622–34. ——— Sur l'origine du bactériophage du staphylocoque. C. rend. Soc. biol., 1931, **106**: 941–3. ——— & **Namur, M. de.** Individualité des principes lytiques staphylococciques de provenances différentes. Ibid., 1922, **87**: 364–6.—**Gratia, A., & Rhodes, B.** Action du principe lytique sur les émulsions de staphylocoques vivants et de staphylocoques tués. Ibid., 1923, **89**: 1171.—**Henry, J. E., & Henry, R. J.** Studies on the relationship between bacteriophage and bacterial host cell; adsorption of phage by resistant variants of Staphylococcus. J. Bact., Balt., 1946, **52**: 481–6.—**Hewitt, L. F.** Oxidation-reduction potentials of staphylococcus cultures; effect of bacteriophage. Biochem. J., Lond., 1931, **25**: 2068–71.—**Himmelweit, F.** Combined action of penicillin and bacteriophage on staphylococci. Lancet, Lond., 1945, **2**: 104.—**Jern, H. Z., & Meleney, F. L.** Studies in bacteriophage; the behavior of staphylococcus bacteriophage in human serum and blood. Surgery, 1943, **13**: 434–43.—**Kropveld, S. M.** [Studies on the bacteriophagy of staphylococci] Ned. tschr. geneesk., 1923, **67**: pt 1, 1228–32.—**Levin, B. S., & Lominski, I.** Inhibition et affaiblissement de la lyse microbienne transmissible en présence de diverses lécithines. C. rend. Soc. biol., 1934, **115**: 1220–3.—**Lominski, I.** Action à distance du bactériophage staphylococcique sur le staphylocoque. C. rend. Acad. sc., 1934, **199**: 168–70. ——— Recherches sur la teneur en catalase des filtrats de cultures et des cultures microbiennes lysées par le bactériophage. C. rend. Soc. biol., 1934, **116**: 839–41.—**McKinley, E. B., & Douglass, M.** Adsorption of staphylococcus bacteriophage by serum globulins. Proc. Soc. Exp. Biol., N. Y., 1929–30, **27**: 844.—**Nelson, Barbosa.** Acção curativa do bacteriophago estaphylococcico. Brasil med., 1923, **37**: 297.—**Nicolle, P.** Recherches sur le mode de multiplication des bactériophages (bactériophage staphylococcique Twort) C. rend. Soc. biol., 1940, **134**: 547–50.—**Northrop, J. H., & Krueger, A. P.** The rôle of intracellular bacteriophage in lysis of susceptible staphylococci. J. Gen. Physiol., 1932, **15**: 329–32.—**Rakieten, M. L.** Studies with staphylococcus bacteriophage; the preparation of polyvalent staphylococcus bacteriophage. Yale J. Biol., 1932, **4**: 807–18, pl. ——— The effect of staphylococcus bacteriophage lysin on resistant strains of staphylococci. J. Immun., Balt., 1933, **25**: 127–37. ——— **Rakieten, T. L., & Doff, S.** The absorption of staphylococcus bacteriophages. J. Bact., Balt., 1936, **32**: 505–18.—**Rakieten, M. L., & Tiffany, E. J.** The absorption of staphylococcus bacteriophages by enterococci. Ibid., 1938, **36**: 155–73.—**Renaux, E.** Présence de principes lytiques dans les vieilles cultures de staphylocoques. Bull. Acad. méd. Belgique, 1934, 5. ser., **14**: 655–67.—**Roda, A. P. de.** Staphylococcus bacteriophage; susceptibility of sixty-four Philippine strains of staphylococci to four races of imported polyvalent staphylococcus bacteriophage. J. Philippine Islands M. Ass., 1935, **15**: 459–63. ——— Sensitiveness of staphylococci from different sources to bacteriophagy. Ibid., 670–3.—**Rountree, P. M.** Staphylococcal bacteriophages; bacteriophage absorption by staphylococci. Austral. J. Exp. Biol., 1947, **25**: 203–12.—**Sachs, I.** Esperimenti di adattamento di un batteriofago antistafilococcico all'organismo vivente mediante passaggi nell'animale. Boll. Ist. sieroter. milan., 1936, **15**: 18–21.—**Spaulding, E. H., & Sage, D.** The use of enzymatic hydrolysate of casein as a medium for the preparation of intravenous staphylococcus bacteriophage. J. Bact., Balt., 1942, **43**: 106.—**Wagon, P.** Sur une forme spéciale de plage claire d'un staphybactériophage, cultivé sur gélose. C. rend. Soc. biol., 1928, **99**: 706.—**Wahl, R.** Modification profonde (mutation?) d'un staphylocoque sous l'influence du bactériophage. Ann. Inst. Pasteur, Par., 1946, **72**: 277–82.—**Walker, J. E.** The action of bacteriophage and chemical disinfectants on staphylococcus in subcutaneous injections. J. Infect. Dis., 1930, **46**: 324–7.—**Watanabe, T.** Ueber die Wirkung von Staphylokokkenbakteriophagen. Wien. klin. Wschr., 1922, **35**: 603.—**Wyckoff, R. W. G.** An ultracentrifugal analysis of concentrated staphylococcus bacteriophage preparations. J. Gen. Physiol., 1937–38, **21**: 367–73, 2 pl.—**Zaytzeff-Jern, H., & Meleney, F. L.** Studies in bacteriophage; the effect of sulfapyridine and sulfanilamide on staphylococci and B. coli and their respective bacteriophages. J. Laborat. Clin. M., 1940–41, **26**: 1756–67.

—— Bacteriophage: Resistance.

Bernhof, F. G., & Rodkevich, L. V. [Staphylococcic antiphagin] Sovet. med., 1944, 8: No. 6, 24.—**Clifton, C. E.** Photodynamic action of certain dyes on the inactivation of staphylococcus bacteriophage. Proc. Soc. Exp. Biol., N. Y., 1930–31, **28**: 745. ——— & **Lawler, T. G.** Inactivation of staphylococcus bacteriophage by toluidine blue. Ibid., 1929–30, **27**: 1041.—**Fong, J.** The protective effect of sodium chloride against thermal destruction of the phage-forming mechanism in staphylococci. J. Gen. Physiol., 1947–48, **31**: 473–6.—**Krueger, A. P.** The heat inactivation of antistaphylococcus bacteriophage. Ibid., 1932, **15**: 363–8. ——— & **Baldwin, D. M.** The inactivation of bacteriophage by mercury bichloride; the reactivation of bichloride-inactivated phage. Ibid., 1933, **17**: 129–33.—**Krueger, A. P., Scribner, E. J.,** &

Mecracken, T. The photodynamic inactivation of phage precursor by methylene blue. Ibid., 1939–40, **23**: 705–17.—**Krupin, N. V., & Farafontova, K. A.** [Effect of freezing on staphylococcic bacteriophage] J. mikrob., Moskva, 1942, No. 3, 76–84.—**Nanavutty, S. H.** The favourable influence of gelatin in the medium of the activity of a staphylococcus bacteriophage. Brit. J. Exp. Path., 1929–30, **11**: 5–7.—**Neter, E., & Clark, P.** The effects of penicillin on Staphylococcus bacteriophage. J. Bact., Balt., 1944, **48**: 261.—**Price, W. H.** Bacteriophage formation without bacterial growth; formation of staphylococcus phage in the presence of bacteria inhibited by penicillin. J. Gen. Physiol., 1947–48, **31**: 119–26.—**Rakieten, M. L., Rakieten, T. L., & Doff, S.** Inhibition of staphylococcus bacteriophage and the virus of vesicular stomatitis. J. Bact., Balt., 1935, **31**: 55.—**Robinson, G. H.** The interference of antistaphylococcus serum with staphylococcus bacteriophage. Ibid., 1940, **39**: 72.—**Rountree, P. M.** Staphylococcal bacteriophages; the effect of penicillin on staphylococcal bacteriophages. Austral. J. Exp. Biol., 1947, **25**: 9–15.—**Schultz, E. W.** Inactivation of staphylococcus bacteriophage by trypsin. Proc. Soc. Exp. Biol., N. Y., 1927–28, **25**: 280–2. ——— & **Krueger, A. P.** Inactivation of staphylococcus bacteriophage by methylene blue. Ibid., 1928–29, **26**: 100.—**Steinmann, J., & Weibel, S.** Action des ondes courtes sur le bactériophage antistaphylococcique. Rev. physiothér., Par., 1938, **14**: 356–63.

—— Bacteriophage: Therapeutic use.

See also **Micrococcosis**, Treatment: Biological products; **Micrococcus sepsis**, Treatment: Biological products.

Bronfenbrenner, J., & Sulkin, S. E. Deleterious effects of local application of staphylococcus bacteriophage. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32**: 1419–22. ——— Bacteriophage therapy; on the nature of the deleterious effect of the local application of staphylococcus bacteriophage. J. Infect. Dis., 1939, **65**: 64–72.—**King, W. E., Boyd, D. A.,** jr, & **Conlin, J. H.** The cause of local reactions following the administration of staphylococcus bacteriophage. Am. J. Clin. Path., 1934, **4**: 336–45.—**Moore, W. F., & Love, J. W.** A preliminary report on the clinical application of a polyvalent staphylococcus bacteriophage in bronchoscopy. Am. J. M. Sc., 1935, **189**: 91–5, pl.—**Solovieva, J. V., & Borodai, V. M.** [Purification of small-pox vaccine by means of staphyloccocal bacteriophage and preservation of the virulence of the vaccine] J. mikrob., Moskva, 1939, No. 11, 48–51.

—— Biology.

Naidu, P. M. N. *Beitrag zur Biologie der pyogenen Mikrokokken (Staphylokokken) der Haustiere. 62p. 8° Lpz., 1933.

Blair, J. E. The stability of biological and biochemical properties of staphylococci. J. Bact., Balt., 1938, **35**: 52.—**Burke, V., Swartz, H., & Klise, K. S.** Morphological life cycle of a staphylococcus-like organism and modification of the cycle. Ibid., 1943, **45**: 415–30, pl.—**Caminiti, S.** Sull'associazione dello stafilococco con germi saprofiti; ricerche sperimentali. Boll. Ist. sieroter. milan., 1939, **18**: 651–76.—**Feldman, H. A.** Incidence of certain biological characteristics among food poisoning staphylococci. Am. J. Pub. Health, 1946, **36**: 55–7.—**Grégoire, C.** Contribution à l'étude de l'hémophagie staphylococcique de L. Muller. Sang, Par., 1930, **4**: 546–97.—**Gross, H.** Zur Biologie der Staphylokokken. Zschr. Immunforsch., 1928, **59**: 510–6.—**Ohtake, K.** On the biologic character of staphylococci (first report) Bull. Nav. M. Ass., Tokyo, 1931, **20**: 2–4.—**Sankin, S. L.** [Peculiarities of the simultaneous development of B. mirabilis and Staphylococcus] J. mikrob., Moskva, 1941, No. 3, 91–4.

—— Carriage.

Martin, T. D. M., & Whitehead, J. E. M. Carriage of penicillin-resistant Staph. pyogenes in healthy adults. Brit. M. J., 1949, **1**: 173–5.—**Mercier, P., & Pillet, J.** Les porteurs de germes staphylococciques; rôle de l'infection nasale dans la diffusion de la maladie. Bull. Acad. nat. méd., 1948, **132**: 269–71. ——— & **Le Mer, G.** Les fosses nasales, réservoir de virus staphylococcique? Presse méd., 1948, **56**: 658.

—— Chemistry.

Akano, R. Biochemische Untersuchungen über pathogene Bakterien; chemische Analyse von Staphylococcus pyogenes albus, aureus und citreus. Mitt. Med. Akad. Kioto, 1934, **10**: 464.—**Arjona Trigueros, E.** Composición química de los estafilococos, polisacáridos y proteinas. Nord. med., 1941, **10**: 1652 (Abstr.)—**Carrère, L.** De l'obtention rapide des constituants somatiques du staphylocoque. Montpellier méd., 1948, **33**:–**34**: 213.—**Krueger, A. P., & Nichols, V. C.** The denaturation of staphylococcal proteins. J. Bact., Balt., 1935, **30**: 401–9.

—— Classification and typing.

See also subheading Identification.

Seedorff, J. *Staphylococci; serological and fermentative classification of types as to staphylococcus sufferings (!) vaccine-treatment in cases of acne and furunculosis. 102p. 8° Kbh., 1924.

Blair, J. E., & Hallman, F. A. Serologic grouping of staphylococci. J. Bact., Balt., 1936, **31**: 81.—**Cowan, S. T.** The classification of staphylococci by precipitation and biological reactions. J. Path. Bact., Lond., 1938, **46**: 31–45.—**De Alessi, E.** Prove culturali esceguite su 35 stipiti di stafilococchi isolati da elementi normali e patologici. Gior. med. mil., 1939, **87**: 1028–35.—**Goyle, A. N., & Minchin, R. L. H.** A note on the biochemical and serological classification of the staphylococci. Ind. J. M. Res., 1939–40, **27**: 611–6.—**Hegemann, G.** Untersuchungen über Typendifferenzierung der Staphylokokken. Zbl. Bakt., 1. Abt., 1937–38, **140**: 108–12.—**Julianelle, L. A.** Determination of staphylococcal types by fermentation of mannite. Proc. Soc. Exp. Biol., N. Y., 1937–38, **36**: 117–9. ——— & **Weighard, C. W.** The immunological specificity of staphylococci; the occurrence of serological types. J. Exp. M., 1935, **62**: 11–21.—**Khan, B. N., & Aggarwal, L. C.** Investigation into a special strain of staphylococcus. J. R. Army M. Corps, 1937, **68**: 261–4.—**Kourilsky, R., & Mercier, P.** Sur les caractères différentiels des staphylocoques pathogènes et non pathogènes. Ann. biol. clin., Par., 1945, **3**: 272.—**McClure, W. B., & Miller, A. M.** Identification of identical strains of staphylococci in food poisoning and other infections by bacteriophage typing. Canad. M. Ass. J., 1946, **55**: 36–9.—**Moss, E. S., Squires, G. V., & Pitts, A. C.** Classification of staphylococci. Am. J. Clin. Path., 1941, **11**: 857–63.—**Peragallo, I.** Sulla possibile identificazione di eventuali tipi immunologici dello stafilococco. Gior. batt. immun., 1937, **18**: 577–89.—**Pirodda, A.** Sui tipi sierologici di stafilococchi isolati del condotto uditivo esterno. Rass. med. sarda, 1938, **40**: 279–85.—**Rakieten, M. L., & Rakieten, T. L.** Relationships between staphylococci and bacilli belonging to the subtilis group as shown by bacteriophage absorption. J. Bact., Balt., 1937, **34**: 285–300.—**Rochaix, A., & Rivollier, P.** Staphylocoques dorés et staphylocoques blancs. Progr. méd., Par., 1939, pt 2, 1045.—**Slanetz, L. W., & MacLeod, H. P.** Studies on staphylococci of bovine origin. J. Bact., Balt., 1940, **39**: 93.—**Smith, H. W.** The typing of staphylococci of animal origin by the bacteriophage method. J. Comp. Path., Lond., 1948, **58**: 179–88. ——— Investigations on the typing of staphylococci by means of bacteriophage; the origin and nature of lysogenic strains. J. Hyg., Lond., 1948, **46**: 74–81. ——— The significance of lysogenic strains in staphylococcal type designation. Ibid., 82–9.—**Thompson, L.** Morphologic and cultural study of staphylococci with special reference to source. Am. J. Clin. Path., 1932, **2**: 125–34.—**Typing** of staphylococci. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1942, **1**: Nov., 1.—**Wilson, G. S., & Atkinson, J. D.** Typing of staphylococci by the bacteriophage method. Lancet, Lond., 1945, **1**: 647.

—— Coagulase [Staphylocoagulase]

Schwerin, J. *Nogle undersøgelser over staphylocoagulase [København] 155p. 22½cm. Aalborg, 1946.

Agnew, S., Kaplan, M., & Spink, W. W. Comparative inhibitory effect of penicillin and streptomycin upon the action of staphylocoagulase. Proc. Soc. Exp. Biol., N. Y., 1947, **65**: 38–40.—**Araujo Costa, G., & Trejos, A.** Influência da penicilina sôbre alguns dos produtos metabólicos dos estafilococos; pesquisas sôbre o mecanismo de inativação da estafilocoagulase. Brasil méd., 1946, **60**: 156–60.—**Ashcar, H., & Pires de Mesquita, E.** Identificação dos estafilococos patogénicos; prova da plasmocoagulação. Rev. Inst. Adolfo Lutz, S. Paulo, 1943, **3**: 44–58.—**Bekker, J. H.** Studies on staphylococci; plasma coagulation reaction. Antonie van Leeuwenhoek, Amst., 1947, **13**: 63–6. Also Geneesk. gids, 1947, **25**: 199–203.—**Berens, C., & Chapman, G. H.** Comparison of solid and liquid media for testing the coagulase activity of staphylococci. J. Bact., Balt., 1942, **43**: 107.—**Bergamini, L.** Contributo allo studio della coagulasi stafilococcica. Boll. Ist. sieroter. milan., 1946, **25**: 205–8.—**Blair, J. E.** The coagulase reaction for the identification of pathogenic staphylococci. Bull. Hosp. Joint Dis., N. Y., 1946, **7**: 82.—**Bruining, M., & Cohen, H. H.** An investigation about anticoagulase, ferment said to be produced by staphylococci. Antonie van Leeuwenhoek, Amst., 1948, **14**: 87–96. ——— De techniek van de plasmabereiding voor de routine test, ter aantoning van het staphylocoagulase. Geneesk. gids, 1948, **26**: 479–82.—**Cadness-Graves, B., Williams, R.** [et al.] Slide-test for coagulase-positive staphylococci. Lancet, Lond., 1943, **1**: 736–8.—**Chapman, G. H.** The comparative value of human plasma and human whole blood for testing the coagulating power of staphylococci. J. Bact., Balt., 1944, **47**: 211. ——— Differences in susceptibility of human blood to coagulation by staphylococci. Ibid., 1945, **50**: 119. ——— The value of concentrated human whole blood and agar cultures for testing the coagulating power of staphylococci. Ibid., 1946, **52**: 234. ——— **Berens, C., & Stiles, M. H.** The coagulation of plasma by staphylococci. Ibid., 1941, **41**: 431–40.—**Coagulase** (The) test for staphylococci. Gradwohl Laborat. Digest, 1941–42, **5**: 4.—**Colbeck, J. C., & Proom, H.** Use of dried rabbit plasma for the staphylococcus coagulase test. Brit. M. J., 1944, **2**: 471.—**Cruickshank, R.** Staphylocoagulase. J. Path. Bact., Lond., 1937, **45**: 295–303.—**Dienst, R. B.** A study of recently isolated strains of staphylococci and their ability to coagulate human plasma. J. Laborat. Clin. M., 1941–42, **27**: 663–5.—**Evans, J. B.** Studies of staphylococci

with special reference to the coagulase-positive types. J. Bact., Balt., 1948, **55**: 793–800.—**Fairbrother, R. W.** Coagulase production as a criterion for the classification of the staphylococci. J. Path. Bact., Lond., 1940, **50**: 83–8.—**Field, H. I., & Smith, H. W.** The coagulase test for staphylococci. J. Comp. Path., Lond., 1945, **55**: 63–9.—**Fisk, A.** The technique of the coagulase test for staphylococci. Brit. J. Exp. Path., 1940, **21**: 311–4.—**Foley, E. J.** The use of dried plasma for the coagulase test. Science, 1942, **95**: 416.—**Gerheim, E. B.** Staphylococcal coagulation and fibrinolysis. Nature, Lond., 1948, **162**: 732. ——— **Ferguson, J. H., & Travis, B. L.** Activation of staphylocoagulase. Proc. Soc. Exp. Biol., N. Y., 1947, **66**: 525–7. ——— Staphylocoagulase and staphylokinase. Fed. Proc., Balt., 1948, **7**: 41.—**Gross, H.** Der Plasmagerinnungsstoff der Staphylokokken. Zbl. Bakt., 1. Abt., 1931, **122**: 354–61.—**Hale, J. H., & Smith, W.** The influence of coagulase on the phagocytosis of staphylococci. Brit. J. Exp. Path., 1945, **26**: 209–16.—**Harper, E.** The routine use of the coagulase test for staphylococci. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1943, **2**: 19–22.—**Hodgson, R.** Coagulase-positive staphylococci. Lancet, Lond., 1943, **2**: 174.—**Kaplan, M. H., & Spink, W. W.** Studies of the staphylocoagulase reaction; nature and properties of a plasma activator and inhibitor. Blood, Balt., 1948, **3**: 573–85. Also in Sympos. Hemat., N. Y., 1949, 476–88.—**Kemkes, B.** Plasmakoagulase und Pathogenität der Staphylokokken. Zbl. Bakt., 1. Abt., 1928, **109**: 11–6.—**Lominski, I., & Milne, J. A.** Heat resistance and filterability of staphylocoagulase. J. Path. Bact., Lond., 1947, **59**: 516–8.—**Lominski, I., & Roberts, G. B. S.** A substance in human serum inhibiting staphylocoagulase. Ibid., 1946, **58**: 187–99.—**Martyn, G.** Staphylococci in the newborn; their coagulase production and resistance to penicillin and streptomycin. Brit. M. J., 1949, **1**: 710–2.—**Mercier, P., Pillet, J., & Defosse, G.** Action inhibitrice d'un extrait de rate sur la staphylocoagulase. C. rend. Soc. biol., 1947, **141**: 139.—**Mercier, P., Pillet, J., & Pery, R.** Pouvoir antigénique de la coagulase staphylococcique; étude du plasma des lapins traités avec cette substance. Ann. Inst. Pasteur, Par., 1948, **74**: 148–50.—**Miale, J. B., & Frye, J. W.** Standard test for staphylococcus coagulase activity. Am. J. Clin. Path., 1948, **18**: 95.—**Needham, G. M., Ferris, V., & Spink, W. W.** The correlation of the rapid slide method with the tube method for differentiating coagulase-positive from coagulase-negative strains of staphylococci. Ibid., Techn. Sect., 1945, **9**: 83–5.—**Penfold, J. B.** Coagulase production by staphylococci on a solid medium. J. Path. Bact., Lond., 1944, **56**: 247–50.—**Pijoan, M.** A study on the blood-coagulating substance produced by staphylococci and its relation to disease. Canad. M. Ass. J., 1935, **32**: 476–81.—**Pillet, J., Mercier, P., & Pery, R.** Pouvoir antigénique de la coagulase staphylococcique; étude du sérum des lapins traités avec cette substance. Ann. Inst. Pasteur, Par., 1948, **74**: 150–3.—**Reid, J. D., & Jackson, R. M.** An improved method for determining the coagulase activity of staphylococci by means of the plasma agar plate. J. Laborat. Clin. M., 1945, **30**: 155–60.—**Schalm, O. W.** Hotis test reactions produced by toxicogenic, coagulase-positive staphylococci. Am. J. Vet. Res., 1948, **9**: 11–9, pl.—**Smith, W., Hale, J. H., & Smith, M. M.** The role of coagulase in staphylococcal infections. Brit. J. Exp. Path., 1947, **28**: 57–67.—**Spink, W. W., & Jermsta, J.** The coagulase test for staphylococci. J. Am. M. Ass., 1942, **118**: 1244.—**Spink, W. W., & Vivino, J. J.** The coagulase test for staphylococci and its correlation with the resistance of the organisms to the bactericidal action of human blood. J. Clin. Invest., 1942, **21**: 353–6.—**Sudhues, M., & Schimrigk, R.** Beitrag zum Plasmagerinnungsphänomen bei Staphylokokkenerkrankungen. Zschr. Immunforsch., 1933, **80**: 42–51.—**Tager, M.** Studies on the coagulase-reacting factor; the reaction of staphylocoagulase with the components of human plasma. Yale J. Biol., 1947–48, **20**: 369–80. ——— Concentration, partial purification, properties, and nature of staphylocoagulase. Ibid., 487–501. ——— **& Hales, H. B.** Quantitative coagulase and toxin production by staphylococci in relation to the clinical source of the organisms. Ibid., 41–9. ——— The experimental production of antibodies to staphylocoagulase. J. Immun., Balt., 1948, **60**: 475–85. ——— Differences in the resistance of human plasmas to staphylocoagulase. Yale J. Biol., 1948–49, **21**: 91–7.—**Taylor, J. I., & McDiarmid, A.** The use of plasma, incorporated in solid medium, for the detection of coagulase positive staphylococci of bovine origin. J. Comp. Path., Lond., 1948, **58**: 134–7.—**Techniek** (De) van de plasmaberciding voor de routine test, ter aantoning van het staphylocoagulase. Geneesk. gids, 1948, **26**: 529.—**Vanbreuseghem, R.** Solubilité de la fibrine formée par l'action de la staphylocoagulase sur le liquide d'ascite. C. rend. Soc. biol., 1934, **115**: 1235–7. ——— Solubilité de la fibrine formée par l'action de la staphylocoagulase sur le plasma oxalaté. Ibid., 1237.—**Vedder, A., Meylink, B., & Uyldert, I. E.** Staphylocoagulation. Acta brevia neerl., 1947–48, **15**: 78–82, pl.—**Walker, B. S.** Staphylocoagulase and related substances. Bull. N. England M. Center, 1946, **8**: 54–9. ——— **Schaffer, N. K., & Derow, M. A.** Inactivation of staphylocoagulase by trypsin and pepsin. Science, 1947, **106**: 347. ——— The partial purification of staphylocoagulase and the effect of certain presumptive inhibitors upon its plasma-coagulating action. J. Bact., Balt., 1948, **56**: 191–4.—**Walston, H. D.** The clotting of plasma through staphylococci and their products. J. Hyg., Cambr., 1935, **35**: 549–58.—**Washburn, R. E.** The coagulase test for pathogenic staphylococci. Canad. J. M. Techn., 1944, **6**: 151–3.—**Williams, R. E. O., & Harper, G. J.** Determination of coagulase and alpha-haemolysin production by staphylococci. Brit. J. Exp. Path., 1946, **27**: 72–81.—**Woods, E. F., & Parkin, B. J.** The plate test for coagulase production by staphylococci. Austral. J. Exp. Biol., 1946, **24**: 33–5.—**Zunz, E.** Emploi de la staphylocoagulase pour mesurer la durée de la transformation du prosérozyme en sérozyme. C. rend. Soc. biol., 1935, **118**: 185–7.

—— Culture.

Ohashi, S., & Hong, L. Y. Beitrag zur Kulturmethode der Staphylokokken für die Gewinnung von Filtratgift. p.83–91. 8° Shanghai, 1937.

Forms Separate Print No. 2, Shanghai Sc. Inst. Dep. Bact.

Canger, G. Sul alcuni caratteri culturali degli stafilococchi e degli streptococchi piogeni. Gior. batt. immun., 1937, **19**: 694–704.—**Chapman, G. H.** The significance of sodium chloride in studies of staphylococci. J. Bact., Balt., 1945, **50**: 201–3. ——— Advantages of incubation at 30° C for the study of staphylococci. Ibid., 1947, **53**: 367.—**Hughes, T. P.** Growth requirement of staphylococci. Ibid., 1932, **23**: 437–47.—**Mitchell, P. D., & Vályi-Nagy, T.** Estimation of growth rate of a staphylococcus. J. Gen. Microb., Lond., 1949, **3**: Suppl., p. xviii.—**Oerskov, J.** Züchtung einiger Virusstämme von der Kaninchenhaut. Zbl. Bakt., 1. Abt., 1931, **121**: 49–54.—**Porter, J. R., & Pelczár, M. J.,** jr. Biotin, bios IIB, vitamin H, an essential growth factor for certain staphylococci. Science, 1940, **91**: 576.—**Sartory, A., Meyer, J., & Netter, A.** Etude de l'effet activant de différents mélanges de facteurs énergétiques, combinés à la dose optima, sur la croissance d'un Staphylocoque et d'une levure abiotiques. C. rend. Acad. sc., 1939, **208**: 1931–3.—**Tria, E., & Lenzi, G.** Ricerche sull'azione della penicillina e della vitamina B sullo sviluppo dello stafilococco in vitro. Riv. clin. med., 1947, **47**: 120.

—— Culture medium.

Stegmüller, H. *Der Einfluss der Mucilaginosa auf das Wachstum von Staphylokokken. 15p. 8° Würzb., 1931.

Chapman, G. H. Specificity of the dye in the crystal-violet agar reaction of staphylococci. J. Bact., Balt., 1936, **32**: 199–205. ——— Specificity of selective isolation media for probable pathogenic staphylococci. Ibid., 1942, **43**: 105. ——— The reliability of bromthymol-blue lactose agar and bacto phenol-red mannitol agar for the isolation of pathogenic staphylococci. Ibid., 1944, **48**: 555–7. ——— An improved Stone medium for the isolation and testing of food-poisoning staphylococci. Food Res., 1948, **13**: 100–5. ——— **& Berens, C.** Crystal violet agar as a differential medium for staphylococci. J. Bact., Balt., 1935, **29**: 437–48.—**Chapman, G. H., Lieb, C. W., & Curcio, L. G.** The use of bromthymol blue agar and phenol red mannitol agar for the isolation of pathogenic types of staphylococci. Am. J. Clin. Path., 1938, **8**: Suppl., 3–11.—**Gross, H.** Ueber das Verhalten der Staphylokokken in der Plasmakultur. Zbl. Bakt., 1. Abt., 1928, **107**: 198–202.—**Koch, F. E.** Elektivnährboden für Staphylokokken. Ibid., 1942–43, **149**: 122–4.—**Kuroya, M., & Kurose, M.** Ueber die Differenzierung der pathogenen Staphylokokken durch ihr Glukosamin spaltendes Vermögen und über ihre Virulenzsteigerung auf Glukosaminnährboden. Tohoku J. Exp. M., 1940, **38**: 590–601.—**Maitland, H. B., & Martyn, G.** A selective medium for isolating Staphylococcus based on the differential inhibiting effect of increased concentrations of sodium chloride. J. Path. Bact., Lond., 1948, **60**: 553–61.—**Nélis, P.** Nouveau milieu de culture pour la production de la toxine staphylococcique. C. rend. Soc. biol., 1936, **121**: 724.—**O'Meara, R. A. Q., & Macsween, J. C.** The failure of staphylococcus to grow from small inocula in routine laboratory media. J. Path. Bact., Lond., 1936, **43**: 373–84. ——— The influence of copper in peptones on the growth of certain pathogens in peptone broth. Ibid., 1937, **44**: 225–34.—**Onufrio, O.** Sopra un terreno elettivo (agar-alcool 10%) per l'isolamento di stafilococchi commisti ad altri batteri. Gior. batt. immun., 1929, **4**: 461–4.—**Segalove, M., Davison, E., & Dack, G. M.** Growth of a food-poisoning strain of staphylococcus experimentally inoculated into canned foods. Food Res., 1943, **8**: 54–7.—**Sonnenschein, C.** Bakterienwachstum auf Nähragar mit 10% Alkohol; Elektivnährboden für Staphylokokken. Zbl. Bakt., 1. Abt., 1930, **116**: 218–20.—**Truffi, G.** Lo sviluppo dei germi patogeni sui tessuti morti (esperienze con stafilococchi) Pathologica, Genova, 1931, **23**: 582–5.—**Verge, J., & Thieulin, G.** Le milieu électif d'Onufrio pour la culture des staphylocoques. C. rend. Soc. biol., 1930, **104**: 850.

—— Ecology.

Gillespie E. H., Devenish, E. A., & Cowan, S. T. Pathogenic staphylococci; their incidence in the nose and on the skin. Lancet, Lond., 1939, **2**: 870–3.—**Smith, A. N.** The incidence of potentially pathogenic staphylococci in the nose and on the skin of healthy subjects. J. R. Army M. Corps, 1941, **76**: 341–4.

—— Enterotoxin.

See also subheading Toxin; also **Micrococcosis.** Food poisoning.

Bayliss, M. Studies on the mechanism of vomiting produced by staphylococcus enterotoxin. J. Exp. M., 1940, **72**:

669–84.—**Buttiaux, R., & Brogniart, R.** Techniques d'isolement des staphylocoques pathogènes; identification des staphylocoques entérotoxiques. Ann. Inst. Pasteur, Par., 1947, **73:** 830–4.—**Davison, E.** Some physical and chemical properties of staphylococcus enterotoxin. Arch. Path., Chic., 1939, **27:** 803. ——— & **Dack, G. M.** Some chemical and physical studies of staphylococcus enterotoxin. J. Infect. Dis., 1939, **64:** 302–6. ——— Production of staphylococcus enterotoxin in canned corn, salmon, and oysters. Food Res., 1942, **7:** 80–4. ——— & **Cary, W. E.** Attempts to assay the enterotoxic substance produced by staphylococci by parenteral injection of monkeys and kittens. J. Infect. Dis., 1938, **62:** 219–23.—**Dolman, C. E.** Staphylococcus enterotoxin. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., **5:** 363–8. ——— Antigenic properties of staphylococcus enterotoxin. Canad. J. Pub. Health, 1944, **35:** 337–51. ——— & **Wilson, R. J.** Experiments with staphylococcal enterotoxin. J. Immun., Balt., 1938, **35:** 13–30. ——— The kitten test for staphylococcus enterotoxin. Canad. Pub. Health J., 1940, **31:** 68–71. ——— & **Cockcroft, W. H.** A new method of detecting staphylococcus enterotoxin. Ibid., 1936, **27:** 489–93.—**Favorite, G. O., & Hammon, W. McD.** The production of staphylococcus enterotoxin and alpha hemolysin in a simplified medium. J. Bact., Balt., 1941, **41:** 305–16.—**Foley, G. E., Wheeler, S. M., & Getting, V. A.** Food-borne streptococcus poisoning and infection; the differentiation of staphylococcal enterotoxin from toxic substances produced in minced tissue media by hemolytic streptococci and other agents. Am. J. Hyg., 1943, **38:** 250–9.—**Fulton, F.** Staphylococcal enterotoxin, with special reference to the kitten test. Brit. J. Exp. Path., 1943, **24:** 65–72.—**Hammon, W. McD.** Staphylococcus enterotoxin; an improved cat test, chemical and immunological studies. Am. J. Pub. Health, 1941, **31:** 1191–8.—**Hopkins, E. W., & Poland, E. F.** Young pigs as test animals for staphylococcus enterotoxin. Food Res., 1942, **7:** 414–9. Also J. Bact., Balt., 1942, **43:** 269.—**Kupchik, G. J.** Some cultural and biochemical characteristics of enterotoxic staphylococci. J. Infect. Dis., 1937, **61:** 320–4.—**McBurney, R.** A critical review of studies on the methods used for detecting enterotoxic strains of staphylococci involved in food-poisoning outbreaks. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., **5:** 405–11.—**North, W. R., jr.** Staphylococcus enterotoxin in relation to alpha-hemolysin production in simple media. Food Res., 1943, **8:** 169–78.—**Phatak, N. M., & Pentler, C. F.** Anesthetized kittens used to test for staphylococcus enterotoxin. Proc. Soc. Exp. Biol., N. Y., 1940, **43:** 258.—**Reich, N. E.** Epidemiology of a food poisoning epidemic (staphylococcus enterotoxin) Am. J. Digest. Dis., 1947, **14:** 238–40.—**Richmond, J. J., Reed, C. I.** [et al.] The effect of staphylococcus enterotoxin on isolated rabbit gut segments. J. Bact., Balt., 1942, **44:** 201–5.—**Rigdon, R. H.** Observations on Dolman's test for determining the presence of staphylococcal enterotoxin. Proc. Soc. Exp. Biol., N. Y., 1938, **38:** 82–4.—**Segalove, M.** The effect of penicillin on growth and toxin production by enterotoxic staphylococci. J. Infect. Dis., 1947, **81:** 228–43. ——— & **Dack, G. M.** Relation of time and temperature to growth and enterotoxin production of staphylococci. Food Res., 1941, **6:** 127–33.—**Silvestri, G.** Infarti intestinali sperimentali da schoc da intolleranza mediante tossina stafilococcica enterotossica. Gior. batt. immun., 1947, **36:** 283.—**Surgalla, M. J.** A study of the production of staphylococcal enterotoxin in chemically defined mediums. J. Infect. Dis., 1947, **81:** 97–111. ——— & **Hite, K. E.** A study of enterotoxin and alpha- and beta-hemolysin production by certain staphylococcus cultures. Ibid., 1945, **76:** 78–82. ——— Production of staphylococcal enterotoxin in chemically defined media. Proc. Soc. Exp. Biol., N. Y., 1946, **61:** 244.

—— Enzyme.

Ashworth, P. An enzyme in staphylococci. Med. J. Australia, 1943, **2:** 36.—**Bergamini, L.** Studio sui rapporti fra coagulasi ed α-emolisina stafilococcica, e sulla loro distribuzione nei tessuti durante l'infezione. Boll. Ist. sieroter. milan., 1946, **25:** 246–53.—**Birch-Hirschfeld, L.** Die Staphylokokkenesterase und ihre Beziehung zum Hämolysin. Zschr. Hyg., 1936–37, **119:** 431–9.—**Bruni, A.** La determinazione della lipasi tributirinolitica degli stafilococchi quale mezzo di possibile differenziazione dei patogeni dai non patogeni; con un grafico nel testo. Gior. batt. immun., 1939, **22:** 42–9.—**Chapman, G. H., & Stiles, M. H.** Carbohydrate fermentation reactions of staphylococci. Am. J. Clin. Path., 1940, **10:** 380–6.—**Franco, E.** Ricerche sulla lipasi tributirrinolitica dello stafilococco; azione dei R. U. V. e delle sostanze fotodinamiche. Igiene mod., 1936, **29:** 269–79.—**Gerheim, E. B., & Ferguson, J. H.** Species reactivity of staphylocoagulase and staphylokinase. Fed. Proc., Balt., 1949, **8:** 56.—**Gross, H.** Ueber Staphylokokkenfermente. Zbl. Bakt., 1. Abt., 1928, **108:** 241–5. ——— Die Fermente und Giftstoffe der Staphylokokken. Erg. Hyg. Bakt., 1932, **13:** 516–58, 3 pl.—**Neter, E.** Fibrinolytic, anticoagulating and plasma-clotting properties of staphylococci. J. Bact., Balt., 1937, **34:** 243–54.—**Nicolai, H. W., & Kageura, N.** Ueber den Fermentstoffwechsel der Bakterien; Untersuchungen am Staphylokokkus. Biochem. Zschr., 1928, **196:** 246–56.—**Villarà, G.** Effetti delle modificazioni del pH ambientale sulla lipasi dello stafilococco. Riv. pat. sper., 1937, **18:** 95–103.

—— Fibrinolysin.

Chapman, G. H. Lysis of precipitated fibrinogen in agar medium by staphylococci. J. Bact., Balt., 1942, **43:** 313—**Fisher, A. M.** The fibrinolytic properties of staphylococci. Bull. Johns Hopkins Hosp., 1936, **59:** 415–26.—**Gengou, O.** Contribution à l'étude de l'action du staphylocoque sur le plasma oxalaté et sur le fibrogène. Ann. Inst. Pasteur, Par., 1933, **51:** 14–31.—**Gerheim, E. B., Ferguson, J. H.** [et al.] Staphylococcal fibrinolysis. Proc. Soc. Exp. Biol., N. Y., 1948, **68:** 246–8.—**Gratia, A.** Action fibrinolytique du staphylocoque. Arch. internat. physiol., Liége, 1921, **18:** 355–7.—**Madison, R. R.** Fibrinolytic staphylococci. Proc. Soc. Exp. Biol., N. Y., 1935–36, **33:** 209–11. ——— & **Dart, E. E.** Veterinary staphylo-fibrinolysin. Ibid., 1936, **34:** 299.—**Rountree, P. M.** Some observations on fibrinolysin and beta toxin of staphylococci. Austral. J. Exp. Biol., 1947, **25:** 359–61.

—— Filtrate and lysate.

See also subheading Toxin.

Bertini, G. Ricerche sperimentali intorno all'azione dei filtrati di stafilococco sull'immunità peritoneale. Gior. batt. immun., 1930, **5:** 1784–96.—**Birch-Hirschfeld, L.** Ueber die Wirksamkeit der Extrakte von auf Zellophanagar gezüchteten Staphylokokken. Zschr. Immunforsch., 1933–34, **81:** 260–85.—**Bormann, F. von.** Hautreaktionen mit Filtraten der Staphylokokkenbouillonkulturen. Zbl. Bakt., 1. Abt., 1937, **140:** Beih., 97–9.—**Borthwick, G. R.** Experimental observations on the toxic effects of staphylococcal filtrates introduced enterally in laboratory animals. Brit. J. Exp. Path., 1933, **14:** 236–40.—**Dack, G. M., Jordan, E. O., & Woolpert, O.** Attempts to immunize human volunteers with staphylococcus filtrates that are toxic to man when swallowed. J. Prev. M., 1931, **5:** 151–9.—**Dediulin, I. M.** [Intracutaneous reaction in guinea pigs for sedimentation products of staphylococcic filtrate] Mikrob. J., Leningr., 1929, **9:** 296–300.—**Dei Rossi, A.** Ricerche sperimentali su filtrati di stafilococco osteomielitogeno. Arch. ital. chir., 1929, **23:** 153–71.—**Ebert, B., & Saschina, S.** Experimentalstudien zur Frage über die Wirkung von Staphylokokkenbouillonfiltraten nach Besredka. Zbl. Bakt., 1. Abt., 1926, **99:** 259–63.—**Gross, H.** Die Kulturfiltratstoffe der Staphylokokken und deren Beziehungen zueinander. Zschr. Immunforsch., 1931–32, **73:** 14–26.—**Jordan, E. O., Dack, G. M., & Woolpert, O.** The effect of heat, storage and chlorination on the toxicity of staphylococcus filtrates. J. Prev. M., 1931, **5:** 383–6.—**Jordan, E. O., & McBroom, J.** Results of feeding staphylococcus filtrates to monkeys. Proc. Soc. Exp. Biol., N. Y., 1931, **29:** 161.—**Levine, B. S.** Studies in staphylococcus toxin; the phenomenon of hot-cold lysis by active staphylococcus filtrates. J. Infect. Dis., 1937, **61:** 345–7.—**Neuman, I. L.** [Active, prophylactic immunization with staphylofiltrate by Prof. A. M. Krichevsky's method] Vrach. delo, 1936, **19:** 285–8.—**Remé, G.** Versuche mit Staphylokokkenkulturfiltraten. Mschr. Kinderh., 1930, **48:** 70–3.—**Rigano-Irrera, D.** Il comportamento dell'attività fagocitaria per azione di filtrati di brodocultura di stafilococco introdotti nel cavo peritoneale. Riv. pat. sper., 1933–34, **11:** 17–22.—**Schmidt, H., & Greifenstein, A.** Ueber wachstumshemmende und bakterienlösende Eigenschaften der Filtrate alter Staphylokokken-Bouillon-Kulturen. Münch. med. Wschr., 1924, **71:** 744.—**Smith, G. H.** Some properties of staphylococcus culture filtrates. Yale J. Biol., 1939–40, **12:** 591–9.—**Stookey, P. F., & Scarpellino, L. A.** Dermonecrotic properties of staphylococcus filtrates. South. M. J., 1935, **28:** 148–52.—**Zhurbina, V. I.** [Antigenous properties of staphylococcic lysates obtained by lysozyme] Ann. Mechnikov. Inst., Kharkov, 1936, **5:** 219.

—— Genetics.

Mellon, R. R., & Caldwell, D. W. Studies in microbic heredity; the genetic origin of Staphylococcus albus and aureus from common ancestral strains. J. Bact., Balt., 1926, **12:** 409–26.

—— Hemolysin [Staphylolysin]

See also subheading Toxin.

Benedek, T. Untersuchungen über die Wirkungsdynamik des normalen Pferdeserums als Antistaphylolysin in klinischer, bakteriologischer und histologischer Beziehung. Zschr. Immunforsch., 1926, **47:** 97–110.—**Beumer, J.** Thermorésistance ou thermolabilité de l'hémolysine staphylococcique; influence du pH. C. rend. Soc. biol., 1939, **130:** 283–6. ——— Action du saccharose sur le comportement à la chaleur de la staphylohémolysine. Ibid., 286–8.—**Bigger, J. W., Boland, C. R., & O'Meara, R. A. Q.** A new method of preparing staphylococcal hæmolysin. J. Path. Bact., Edinb., 1927, **30:** 271–7.—**Burnet, F. M.** Observations on Müller's phenomenon; distant punctate haemolysis of blood agar by staphylococci. Austral. J. Exp. Biol., 1928, **5:** 207–12, 2 pl.—**Casman, E. P.** Further studies on the production of staphylococcal α-hemolysin in fluid media. J. Bact., Balt., 1940, **39:** 84. ——— The production of staphylococcal alphahemolysin; the role of agar. Ibid., **40:** 601–17.—**Christie, R., & Graydon, J. J.** Observations on staphylococcal haemolysins and staphylococcal lipase. Austral. J. Exp. Biol., 1941, **19:** 9–16.—**Dudgeon, L. S., & Goadby, H. K.** Further observations on the staphylococci, with special reference to their haemolysins and variability. J. Hyg., Cambr., 1930–31, **30:** 180–95, pl.—**Flaum, A., & Forssman, J.** Experimental investigations of staphylolysin. Acta path. microb. scand., 1936, **13:** 263–72.—**Forssman, J.** Studien über das Staphylolysin. Biochem. Zschr., 1933, **265:** 291–319. ——— Recherches sur la sta-

phylolysine. C. rend. Soc. biol., 1934, **117**: 639–41. ——— The fixation of staphylolysin by blood corpuscles and the haemolytic action of staphylolysin. Acta path. microb. scand., 1939, **16**: 335–45.—**Gillespie, W. A., & Simpson, P. M.** Pathogenic staphylococci; detection of α-lysin production on rabbit- and sheep-blood-agar plates. Brit. M. J., 1948, **2**: 902.—**Gladstone, G. P.** The production of staphylococcal α-haemolysin in a chemically-defined medium. Brit. J. Exp. Path., 1938, **19**: 208–26.—**Gross, H.** Das Filtrathämolysin der Staphylokokken. Zbl. Bakt., 1. Abt., 1931–32, **123**: 212–8. ——— Ueber die Brauchbarkeit und den diagnostischen Wert der Antistaphylolysinreaktion. Klin. Wschr., 1933, **12**: 907.—**Hertel, E.** Der Wert der Antistaphylolysinreaktion. Zbl. Chir., 1938, **65**: 1575. ——— & **Sartorius, F.** Neuere Ergebnisse zur Technik und klinischen Brauchbarkeit der Antistaphylolysinreaktion. Beitr. klin. Chir., 1939, **169**: 635–49.—**McIlwain, H.** The effect of agar on the production of staphylococcal α-haemolysin. Brit. J. Exp. Path., 1938, **19**: 411–7.—**Mercier, P.** Sur le mécanisme de l'inhibition de pouvoir hémolytique de la toxine staphylococcique par l'acide ascorbique (vitamine C). C. rend. Soc. biol., 1938, **127**: 297–9.—**Mondry, F.** Zur klinischen Bedeutung der Antistaphylolysinreaktion und der Staphylokinasewirkung (zugleich ein Beitrag zur infektiösen Thrombose) Deut. Zschr. Chir., 1932–33, **238**: 713–29.—**Ohtake, K.** Study on biological character of Staphylococci, with special reference to various conditions of the production of staphylolysin. Bull. Nav. M. Ass., Tokyo, 1931, **20**: 3. ——— On non-haemolytical variant cocci of haemolytic staphylococci (additional study of Dudgeon and Goadby's work) Ibid., 1932, **21**: 11.—**Packalén, T.** Observations on a peculiar type of staphylococcal hemolysis. Acta path. microb. scand., 1938, Suppl. 38, 142–4.—**Panayotatou, A.** Contribution à l'étude du pouvoir hémolytique des staphylocoques. C. rend. Soc. biol., 1932, **109**: 194.—**Podetti, V.** Il significato del potere emolitico della stafilococco rispetto ai corpuscoli rossi del soggetto da cui è stato isolato. Gior. batt. immun., 1935, **15**: 633–9.—**Rhodes, G. B.** Satellite hemolytic zones in blood agar staphylococcus cultures. J. Infect. Dis., 1938, **62**: 124–8.—**Roy, T. E.** The titration of alpha and beta haemolysins in staphylococcal toxin. J. Immun., Balt., 1937, **33**: 437–69.—**Silvestri, G.** Ricerche sull'azione di attenuazione che esercitano i globuli bianchi sul potere emolitico della tossina stafilococcica. Gior. batt. immun., 1947, **36**: 457–65.—**Smith, M. L., & Price, S. A.** Staphylococcus β-haemolysin. J. Path. Bact., Lond., 1938, **47**: 361–77. ——— Staphylococcus γ-haemolysin. Ibid., 379–93.—**Tager, M.** Factors modifying the reaction of alpha staphylolysin to heat. Yale J. Biol., 1941–42, **14**: 69–88.—**Thaysen, E. H.** Differentiation of beta staphylolysin in two antigenically different components. Acta path. microb. scand., 1948, **25**: 529–39.—**Williams, R. E. O., & Harper, G. J.** Staphylococcal haemolysins on sheep-blood agar with evidence for a fourth haemolysin. J. Path. Bact., Lond., 1947, **59**: 69–78, 3 pl.

—— Identification and differentiation.

See also other subheadings (Classification and typing; Culture medium: Pathogenicity)

LIEBMANN, I. *Zur Differenzierung der Staphylokokken [Rostock] 30p. 8° Charlottenb., 1933.

Beamer, P. R., Goodof, I. I., & Smith, E. B. Evaluation of clinical laboratory tests for pathogenic staphylococci based on histologic examinations of lesions in the tissues. Am. J. Clin. Path., 1944, **14**: 350–7.—**Bier, O.** Sôbre a diferenciação entre os estafilococos piogênicos e os estafilococos da pele. Rev. Ass. paul. med., 1932, **1**: 415–23.—**Bøe, J.** On the distinction between pathogenic and non-pathogenic staphylococci. Acta path. microb. scand., 1944, **21**: 721–30.—**Brainin, Z. B.** K voprosu o differenciacii stafilokokkov. Vrach. gaz., 1911, **18**: 757.—**Bruschettini, G.** Sulla differenziazione degli stafilococchi. Ann. igiene, 1942, **52**: 249–60.—**Burke, V., & Kaplan, A. M.** Comparison of the Dolman kitten test, the Stone cultural screen test, and the Slocum-Linden agglutination test for enterotoxic staphylococci. Food Res., 1943, **8**: 243–8.—**Chapman, G. H.** The isolation and testing of probable pathogenic staphylococci. J. Bact., Balt., 1940, **39**: 5. ——— The isolation of pathogenic staphylococci from feces. Ibid., 1944, **47**: 211. ——— **Berens, C.** [et al.] The differentiation of pathogenic staphylococci from non-pathogenic types. Ibid., 1938, **35**: 311–34.—**Chapman, G. H., Lieb, C. W.** [et al.] The isolation of probable pathogenic staphylococci. Ibid., 1937, **33**: 533–43.—**Curcio, L. G., & Chapman, G. H.** The isolation of pathogenic staphylococci from mixed cultures. Ibid., 55.—**Dudgeon, L. S., & Simpson, J. W. H.** On the differentiation of the staphylococci, with special reference to the precipitin reactions. J. Hyg., Cambr., 1927–28, **27**: 160–73.—**Fredericq, P., & Betz, M.** Différenciation des staphylocoques pathogènes et non pathogènes par l'action antibiotique d'un bacille gram positif. C. rend. Soc. biol., 1946, **140**: 1192–4.—**Kourilsky, R., & Mercier, P.** Sur les méthodes de différenciations entre les staphylocoques pathogènes et non pathogènes. Rev. immun., Par., 1942, **7**: 53–73.—**Kuroya, M., & Kurose, M.** Glukosamin und pathogene Bakterien; weitere Untersuchungen über die Differenzierung der pathogenen Staphylokokken durch ihr Glukosamin spaltendes Vermögen. Tohoku J. Exp. M., 1943–44, **46**: 68–75.—**Meyer, R.** Zur Isolierung von Staphylokokken aus stark verunreinigtem Material unter Ausnutzung der Kochsalzresistenz. Zbl. Bakt., 1. Abt., 1943–44, **151**: 264–9.—**Muramoto, G.** Ueber eine neue Differenzierungsmethode von Staphylokokken (Ersteinsches Phänomen) Jap. J. Derm. Urol., 1936, **40**: 171.—**Petragnani, V.** Isolamento ed identificazione dei caratteri morfologici, colturali e biologici del botriococco. Boll. Ist. sieroter. milan., 1932, **11**: 33–8.—**Pinetti, P.** Sulla possibilità di differenziare gli stafilococchi patogeni in base al loro comportamento sui terreni al cristalvioletto. Gior. ital. derm. sif., 1937, **78**: 215–36.—**Savitch, M.** Zur Differenzierung der Staphylokokken und urethralen grampositiven Kokken. Zbl. Bakt., 1. Abt., 1931–32, **123**: 27–34.—**Sickles, G. M.** Staphylococcus cultures obtained at autopsy from rabbits under immunization with pneumococci. Annual Rep. N. York State Dep. Health, 1941, 10.—**Strean, L. P.** The combining power of staphylococcus toxoid as an identity test. J. Laborat. Clin. M., 1942–43, **28**: 1607.

—— Immune serum.

Bonnet, H., Thieffry, S., & Montefiore, C. Action du sérum antistaphylococcique dans l'infection staphylococcique expérimentale du lapin. C. rend. Soc. biol., 1936, **122**: 1004–6.—**Büttner, R.** Vergleichende bakteriologische und klinische Untersuchungen über das normale Pferdeserum und antitoxische Staphylokokkenserum als Antistaphylotoxine. Deut. Zschr. Chir., 1936–37, **248**: 391–401.—**Corbiesco, D., Istrati, G.** [et al.] Action du sérum antistaphylococcique dans l'infection staphylococcique expérimentale chez le lapin. C. rend. Soc. biol., 1936, **121**: 177–9.—**Farrell, L. N., & Fitching, J. S.** Passive protection of mice with immune horse serum against living staphylococci. J. Path. Bact., Lond., 1940, **50**: 439–53.—**Forssman, J.** On the aspecific and specific effect of sera against staphylococci. Acta path. microb. scand., 1936, **13**: 486–501.—**McNamee, H. G.** The treatment of severe staphylococcal infection with specific type-A antibacterial serum. Ann. Surg., 1942, **115**: 308–17.—**Virgilio, F.** Ricerche sperimentali intorno alla vaccinazione stafilococcica e relativa produzione di siero immune. Arch. sc. biol., Nap., 1926, **8**: 338–46.

—— Kinase [Staphylokinase]

Lack, C. H. Staphylokinase; an activator of plasma protease. Nature, Lond., 1948, **161**: 559.—**Lieb, F., & Möse, J.** Versuche über Staphylokinase und Antistaphylokinase. Wien. klin. Wschr., 1949, **61**: 74–6.

—— Leukocidin.

Proom, H. The inter-relationships of staphylococcal leucocidins. J. Path. Bact., Lond., 1937, **44**: 425–9.—**Wright, J.** Staphylococcal leucocidin (Neisser-Wechsberg type) and antileucocidin. Lancet, Lond., 1936, **1**: 1002–4.

—— Metabolism.

Colwell, E. V. The relation of aerobiosis to the fermentation of mannitol by staphylococci. J. Bact., Balt., 1939, **37**: 245–50.—**Evans, J. B.** Anaerobic fermentation of mannitol by staphylococci. Ibid., 1947, **54**: 266.—**Fisk, R. T., & Mordvin, O. F.** Digestion of casein by staphylococci on milk agar containing serum. Ibid., 1943, **46**: 392.—**Hewitt, L. F.** Oxidation-reduction potentials of staphylococcal cultures. Biochem. J., Lond., 1930, **24**: 676–81.—**Lieb, F., & Vallender, B.** Ueber den Aminosäurestoffwechsel verschiedener ruhender Staphylokokken. Zbl. Bakt., 1. Abt., 1939, **144**: 528–30.—**Segal, B.** The utilization of acetyl methyl carbinol by Staphylococcus albus and aureus. J. Bact., Balt., 1940, **39**: 747–9.—**Spink, W. W., Wright, L. D.** [et al.] Para-aminobenzoic acid production by staphylococci. J. Exp. M., 1944, **79**: 331–9.—**Tiba, K.** [Ueber die Zuckerspaltung der Staphylokokken; Untersuchungen über die Zuckerspaltungsgeschwindigkeit der Staphylokokken] Sei i kai, 1941, **60**: 582–620. ——— [Ueber die Zuckerspaltung der Staphylokokken; besonders Zweifel an der Zuckerspaltung der Tri- und der Polysaccharide von Staphylokokken] Ibid., 621–9.—**Trussell, R. E., & Weed, L. A.** The lipolytic action of staphylococci on some pure triglycerides. J. Bact., Balt., 1937, **33**: 381–8.

—— Mutation and dissociation.

Chiatellino, A., & Pavasini, G. Ricerche sulla dissociazione negli stafilococchi; agglutinazione da tripaflavina e gram-resistenza degli stafilococchi nei focolai suppurativi. Boll. Ist. sieroter. milan., 1934, **13**: 815–23.—**Gilbert, I.** Dissociation in an encapsulated staphylococcus. J. Bact., Balt., 1931, **21**: 157–60.—**Haberman, S.** Dissociation of staphylococci by X-rays; toxin-producing abilities of X-ray variants. Ibid., 1941, **42**: 148.—**Hale, J. H.** Studies on Staphylococcus mutation; characteristics of the G (gonidial) variant and factors concerned in its production. Brit. J. Exp. Path., 1947, **28**: 202–10, pl.—**Hotchkiss, R. D.** The assimilation of amino acids by respiring washed staphylococci. Fed. Proc., Balt., 1947, **6**: 263.—**Marziani, R.** Phénomènes de mutation présentés par des staphylocoques, consécutivement à des passages par l'organisme du cobaye. Bull. Acad. méd., Par., 1927 3. ser., **98**: 527–30.—**Melnyk, V.** Zur Frage der Veränderlichkeit der Mikroben. Zbl. Bakt., 1. Abt., 1929, **110**: 113–20.—**Penso, G.** Sui fenomeni dissociativi e le varianti cromogene d uno stafilococco non patogeno. Rendic. Ist. san. pubb., Roma 1938, **1**: 68–76.—**Rochaix, A., & Rivollier, P.** Sur une dissocia

tion du staphylocoque. C. rend. Acad. sc., 1936, **203**: 213–5. ——— Recherches sur une dissociation du staphylocoque. Ann. Inst. Pasteur, Par., 1939, **62**: 577–94.—**Rountree, P. M.** Preliminary note on the dissociation of staphylococci into alpha and beta toxigenic variants. Austral. J. Exp. Biol., 1936, **14**: No. 2, 93–5.—**Sabatucci, M.** La dissociazione nel Micrococcus pyogenes. Ann. igiene, 1932, **42**: 551–63.—**Vlastelica, L. S.** [Certain data on the filtrable forms of the staphylococcus] J. mikrob., Moskva, 1941, No. 3, 83–6.—**Walle, N. van der** [On the dissociation of staphylococci] Antonie van Leeuwenhock, Amst., 1936, **3**: 334–54.

—— Pathogenicity.

Lücking, B. *Ueber die Methoden zur Bestimmung der Pathogenität der Staphylokokken unter besonderer Berücksichtigung der Blutplasmakoagulation. 32p. 22cm. Bonn, 1937.

Monin, M. *Rapports entre les staphylocoques pathogènes et les staphylocoques non pathogènes [Pharm.] 87p. 24cm. Par., 1943.

Aoi, F. On the fibrolysis of the staphylococcus. Kitasato Arch., 1932, **9**: 171–201.—**Bigger, J. W.** The staphylococci pathogenic for man. Brit. M. J., 1937, **2**: 837–41.—**Blair, J. E.** The pathogenic staphylococci. Bact. Rev., Balt., 1939, **3**: 97–146.—**Brazil, V., filho.** Contribuição ao estudo da pathogenia dos estaphylococcos. Bol. Inst. Vital Brasil, 1930, No. 13, 20–4.—**Chapman, G. H.** Comparison of animal inoculation tests with in vitro reactions of staphylococci and streptococci. J. Bact., Balt., 1935, **31**: 57. ——— Staphylococci in gastroenterology. Am. J. Digest. Dis., 1945, **12**: 399. ——— **Berens, C.** [et al.] Coagulase and hemolysin tests as measures of the pathogenicity of staphylococci. J. Bact., Balt., 1934, **28**: 343–63.—**Christie, R., & Keogh, E. V.** Physiological and serological characteristics of staphylococci of human origin. J. Path. Bact., Lond., 1940, **51**: 189–97.—**Christie, R., North, E. A., & Parkin, B. J.** Criteria of pathogenicity in staphylococci. Austral. J. Exp. Biol., 1946, **24**: 73–8.—**Darányi, J.** Pathogenität und Einteilung der Staphylokokken. Zbl. Bakt., 1. Abt., 1926, **99**: 74–9. ——— Ueber den Nachweis der Pathogenität der Staphylokokken. Ibid., 1935, **134**: 13.—**Geisse, A.** Zu der vorstehenden Arbeit von B. Kemkes: Ist die Erzielung pathogener Eigenschaften bei saprophytischen Staphylokokken nach Geisse möglich? Zschr. Hyg., 1928, **109**: 372–4.—**Guilherme Lacorte, J., & Santos, M.** Estafilococos patogênicos e não patogênicos. Brasil méd., 1947, **61**: 199–201.—**Hagan, W. A.** The staphylococci. In his Infect. Dis. Domest. Animals, Ithaca, 1943, 97–102.—**Hesina-Lurie, M. E.** [Chapman's method and its clinical significance in the determination of the pathogenicity of staphylococci in purulent wounds] J. mikrob., Moskva, 1944, No. 6, 61–5.—**Jona, A.** Equilibri delle difese immunitarie; ricerche sperimentali sulla localizzazione elettiva dello stafilococco piogeno. Gior. batt. immun., 1932, **9**: 339.—**Kemkes, B.** Ist die Erzielung pathogener Eigenschaften bei saprophytischen Staphylokokken nach Geisse möglich? Zschr. Hyg., 1928, **109**: 354–71.—**Kleiger, B., Blair, J. E., & Hallmann, F. A.** Behavior of rabbits after infection with toxigenic and nontoxigenic staphylococci. Arch. Surg., 1942, **45**: 571–7.—**Kourilsky, R., & Mercier, P.** Etudes sur l'infection staphylococcique chez l'homme; variations du pouvoir pathogène du staphylocoque suivant son habitat. Rev. immun., Par., 1940, **6**: 17–30. ——— Etude expérimentale sur les variations du pouvoir pathogène du staphylocoque. Ibid., 116–31. ——— Etudes sur les variations du pouvoir pathogène du staphylocoque; constatations histo-pathologiques. Ibid., 291–306. ——— Les variations du pouvoir pathogène du staphylocoque chez l'homme, suivant son habitat. C. rend. Soc. biol., 1941, **135**: 16–8. ——— Etude expérimentale sur les variations du pouvoir pathogène du staphylocoque. Ibid., 159–61. ——— Effet des facteurs de croissance spécifiques du staphylocoque sur le pouvoir pathogène local de ce germe. Ibid., 1943, **137**: 97.—**Larregla, S.** Valoración patogénica de estafilococos. Bol. Inst. pat. méd., Madr., 1947, **2**: 183–5.—**La Terza, E.** Ricerche sulla elettività organotropica sperimentale di stafilococchi coltivati in terreni con organi. Ann. med. nav., Roma, 1937, **43**: pt 1, 118–26.—**Levine, M., & Creevy, C. D.** The pathogenicity of staphylococci isolated from the urine. J. Urol., Balt., 1942, **47**: 515–21.—**Long, P. H.** Untersuchungen über das Verhalten von Staphylokokken verschiedener Herkunft im Organismus des Meerschweinchens. Zschr. ges. exp. Med., 1927, **58**: 578–85.—**Mirolli, A.** Gli stafilococchi della cute dell'operando e la ricerca del loro potere patogeno. Gior. batt. immun., 1931, **7**: 113–46.—**Salm, R.** A comparison of pathogenicity tests for staphylococci. Edinburgh M. J., 1945, **52**: 22–9.—**Saski, S., & Fejgin, B.** Au sujet des propriétés protéolytique et fibrolytique de staphylocoques en connexion avec leur pouvoir toxigène. C. rend. Soc. biol., 1937, **126**: 139–41.—**Smith, H. W.** The examination of staphylococci of animal origin with particular regard to the determination of criteria of pathogenicity. J. Comp. Path., Lond., 1947, **57**: 98–115.—**Smith, J. F.** A contribution to the study of the staphylococci of the skin. Brit. J. Derm., 1928, **40**: 483–93.—**Stevenson, J. W., & Reed, G. B.** Chemotactic response to Staphylococcus strains of varying pathogenicity. J. Bact., Balt., 1940, **40**: 239–45.—**Utevskaia, S. L.** Ueber den Einfluss der Staphylokokken auf die Funktion der Gefässe. Zschr. ges. exp. Med., 1928, **60**: 583–90.

—— Pigment.

Chapman, G. H. Determination of the chromogenic property of staphylococci. J. Bact., Balt., 1943, **45**: 405–11.—**Spink, W. W., & Vivino, J. J.** Pigment production by sulfonamide-resistant staphylococci in the presence of sulfonamides. Science, 1943, **98**: 44.

—— Precipitation.

Dudgeon, L. S., & Bamforth, J. On staphylococcal precipitin reactions in cases of acute and chronic infections and also in serum sickness. J. Hyg., Cambr., 1924–25, **23**: 375–88.

—— Resistance and virulence.

Barber, M., & Rozwadowska-Dowzenko, M. Infection by penicillin-resistant staphylococci. Lancet, Lond., 1948, **2**: 641–4.—**Bøe, J., & Vogelsang, T. M.** Penicillin-resistant pathogenic staphylococci isolated from the upper respiratory tract. Acta path. microb. scand., 1949, **26**: 71–6.—**Calissano, G.** Ricerche sull'identificazione della virulenza dello stafilococco Gior. batt. immun., 1927, **2**: 464–73.—**Darányi, J.** Ueber die Virulenz der Staphylokokken. Wien. med. Wschr., 1927, **77**: 149.—**Demerec, M.** Production of Staphylococcus strains resistant to various concentrations of penicillin. Proc. Nat. Acad. Sc. U. S., 1945, **31**: 16–24.—**Eriksen, K. R.** Studies on the mode of origin of penicillin-resistant staphylococci. Acta path. microb. scand., 1949, **26**: 269–79.—**Fekete, Z.** Influence de la quantité des staphylocoques sur le rapport temps-dose dans l'action de la pénicilline. Ann. derm. syph., Par., 1948, **8**: 499.—**Finkelstein, U. A., Rozhansky, V. I., & Khessina, M. J.** [Methods of determination of the virulence of staphylococci] Vener. derm., Moskva, 1931, **8**: 60–7.—**Gagna, F.** Stovarsolo irradiato e stafilococchi; ricerche sul potere battericida esplicato in vitro sullo Staphylococcus pyogenes dallo stovarsolo sodico irradiato con raggi ultravioletti e con raggi roentgen. Arch. ital. med. sper., 1939, **4**: 827–32.—**Gross, C. E., & Vinton, C.** Thermal death time of a strain of Staphylococcus in meat. Food Res., 1947, **12**: 188–202.—**Gross, H.** Ueber Virulenz und Virulenz-Prüfungsmethoden von Staphylokokken. Klin. Wschr., 1927, **6**: 2281–3. Also transl., Rev. méd. germ. iber. amer., Lpz., 1929, **2**: 307–11.—**Hanasiro, Z., & Hukusima, G.** Kōryō no budōzyō-kyūkin hatuiku sosi sayō ni tuite. Kokumin eisei, 1937, **14**: 429–48.—**Heise, M. D., & Starin, W. A.** The effect of azochloramid on certain physiologically active products of staphylococci. J. Infect. Dis., 1940, **67**: 70–3.—**Hill, L., & Eidinow, A.** Protection afforded by short infra-red and red rays to a lethal dose of Staphylococcus. Brit. M. J., 1930, **1**: 388.—**Hirsch, J., & Dosdogru, S.** The antistaphylococcal effect of penicillin, streptomycin, and 5,7-dichloro-8-hydroxyquinaldine (sterosan) in vitro. Arch. Biochem., N. Y., 1947, **14**: 213–27.—**Hotchkiss, R. D.** Penicillin and amino acid assimilation in staphylococci. Fed. Proc., Balt., 1949, **8**: 208.—**Kirby, W. M. M.** Bacteriostatic and lytic actions of penicillin on sensitive and resistant staphylococci. J. Clin. Invest., 1945, **24**: 165–9. ——— Properties of a penicillin inactivator extracted from penicillin-resistant staphylococci. Ibid., 170–4.—**Lankford, C. E., & Lacy, H.** In vitro response of Staphylococcus to aureomycin, streptomycin, and penicillin. Texas Rep. Biol. M., 1949, **7**: 111–24.—**Liebermeister, K.** Die Wirkung von Sulfonamid auf hämolytische Staphylokokken. Zschr. Immunforsch., 1943, **103**: 439–49.—**Link, T.** Ueber die Chemoresistenz von Staphylokokken gegenüber Sulfonamiden. Ibid., **104**: 441–62.—**Oakberg, E., & Luria, S. E.** Mutations to sulfonamide resistance in Staphylococcus. J. Bact., Balt., 1946, **52**: 152.—**Phillips, R. L.** Development of resistance in staphylococci to natural inhibitory substances. J. Franklin Inst., 1942, **233**: 396–401.—**Rossel & Biaudet.** Cibazol et staphylocoques. Rev. méd. Suisse rom., 1942, **62**: p. xci–ciii.—**Serra, G.** Arsenobenzolo irradiato e stafilococchi; ricerche sul potere battericida esplicato in vitro sullo Staphylococcus pyogenes dall'arsenobenzolo irradiato con raggi ultravioletti e con raggi Roentgen. Riv. pat. sper., 1940, **24**: 25–32.—**Sevag, M. G., & Green, M. N.** Lack of correlation between the formation of arylamines and resistance of staphylococci to sulfonamides. J. Bact., Balt., 1944, **47**: 451.—**Silvestri, G.** Ricerche sul valore di alcune prove sperimentali di virulenza degli stafilococchi in rapporto alla loro virulenza clinica nelle infezioni chirurgiche. Gior. batt. immun., 1946, **35**: 217–36.—**Silvestrini, V.** Sulla virulenza degli stafilococchi. Ibid., 1937, **18**: 590–611.—**Spink, W. W.** The bactericidal effect of sulfanilamide upon pathogenic and non-pathogenic staphylococci. J. Immun., Balt., 1939, **37**: 345–58. ——— **Hall, W. H., & Ferris, V.** Clinical significance of staphylococci; with natural or acquired resistance to the sulfonamides and to penicillin. J. Am. M. Ass., 1945, **128**: 555–9.—**Spink, W. W., Vivino, J. J., & Mickelsen, O.** Effects of cozymase upon the growth of staphylococci and antistaphylococcal action of the sulfonamide compounds. J. Clin. Invest., 1942, **21**: 645.—**Studzinski, L.** [Newest methods in determining the virulence of staphylococci] Lek. wojsk., 1935, **26**: 556–69.—**Suter, E., & Vischer, W. A.** Untersuchungen an in vitro gegen Penicillin und Streptomycin resistent gezüchteten Staphylokokken. Schweiz. Zschr. Path. Bakt., 1948, **11**: 428–37.—**Szüts, A.** On the photosensibilizing effect of aniline dyes on staphylococci and streptococci. Magy. orv. arch., 1932, **33**: 268–73.—**Thompson, R., & Gallardo, E., jr.** The susceptibility of the antigenic types of staphylococci to several protective enzymes. J. Bact., Balt., 1938, **36**: 302.—**Vivino, J. J., & Spink, W. W.** Sulfonamide-resistant strains of

staphylococci; clinical significance. Proc. Soc. Exp. Biol., N. Y., 1942, **50**: 336–8.—**Voureka, A., & Hughes, W. H.** Frequency of penicillin-resistant staphylococci. Brit. M. J., 1949, **1**: 395.—**Wolff, L. K.** Ueber die Virulenz von Bakterien; die Virulenz von Staphylokokken. Zschr. Immunforsch., 1929, **62**: 1–27.—**Wollman, E., & Wollman, E.** Lyse secondaire non bactériophagique du staphylocoque. C. rend. Soc. biol., 1932, **110**: 636–8.

—— Sporogenesis.

Saslaw, S., Scherago, M., & Weaver, R. H. Heat-resistance and possible spore-formation in a food-poisoning Staphylococcus. J. Bact., Balt., 1940, **39**: 16.

—— Spreading factor.

Bøe, J. Investigations on the Duran-Reynals spreading factor in staphylococci. Acta path. microb. scand., 1944, **21**: 587–95.—**Duran-Reynals, F., & Pi Suñer, J.** Exaltation de l'activité du staphylocoque par les extraits testiculaires. C. rend. Soc. biol., 1928, **99**: 1908–11.—**Schwabacher, H., Cunliffe, A. C.** [et al.] Hyaluronidase production by staphylococci. Brit. J. Exp. Path., 1945, **26**: 124–9.

—— Staining.

Bolte, W. *Ueber die reduzierenden Wirkungen von Staphylokokken. 35p. 8° Berl., 1937.

Lesbre, P., & Jausion, H. Pouvoir réducteur des staphylocoques vis-à-vis du bleu de méthylène; ses rapports avec la virulence. C. rend. Soc. biol., 1926, **94**: 586–8.—**Wilson, R. J.** The staphylococcus. Canad. J. M. Techn., 1939–40, **2**: 49–57.

—— Stimulatory factor [1949 Sloane]

Sloane, N. H., & McKee, R. W. Isolation of the staphylococcus stimulatory factor(s) Fed. Proc., Balt., 1949, **8**: 252.

—— Symbiosis.

See also subheading Antibiosis.

Ignatova, M. I. [The carrying of pigeon-pox virus by staphylococci] J. mikrob., Moskva, 1937, **18**: 618–23.

—— Toxin [Staphylotoxin]

See also subheadings (Anatoxin; Enterotoxin; Filtrate; Leukocidin)

Schwartz, J. C. E. *Contribution à l'étude de la toxine staphylococcique. 134p. 8° Par., 1937.

Thieffry, S. E. E. *La toxine staphylococcique; étude immunologique, clinique et thérapeutique. 209p. 8° Par., 1937.

Bamm, B. L., & Smirnova, A. V. [Staphylococcal toxin] Sovet. vrach. J., 1938, **42**: 655–60.—**Bassi, P.** L'azione della tossina stafilococcica sul rene sottoposto ad interruzione temporanea discontinua della circolazione arteriosa e venosa. Ann. ital. chir., 1939, **18**: 187–200.—**Bayliss, M.** Effect of sulfanilamide, sulfapyridine, and sulfathiazole on staphylococcus toxins. Proc. Soc. Exp. Biol., N. Y., 1940, **44**: 525–9.—**Beumer, J.** L'action du sérum de cheval normal sur la staphylotoxine. Ann. Inst. Pasteur, Par., 1938, **61**: 54–71.—**Bose, H. N., & Saha, M.** Recent studies on Staphylococcus pyogenes with particular reference to its exotoxin, anatoxin and antitoxin. J. Ind. M. Ass., 1937–38, **7**: 585–600.—**Burky, E. L.** Staphylococcus toxin and antitoxin. Internat. Clin., 1936, 46. ser., **3**: 258–89, 7 ch.—**Burnet, F. M.** The interactions of staphylococcus toxin, anatoxin and antitoxin. J. Path. Bact., Lond., 1931, **34**: 471–92. ——— The flocculation reaction with staphylococcal toxin. Ibid., 759–69.—**Combiesco, D., Istrati, G., & Combiesco, N.** Recherches sur l'exotoxine staphylococcique. C. rend. Soc. biol., 1933, **114**: 292–4.—**Debré, R., Bonnet, H., & Thieffry, S.** Toxine, antitoxine, anatoxine staphylococciques. Ann. méd., Par., 1937, **42**: 252–313.—**Deotto, R.** Ricerche sulla tossina stafilococcica. Boll. Ist. sieroter. milan., 1938, **17**: 763–78.—**Dolman, C. E., & Kitching, J. S.** Staphylococcus toxin, toxoid, and antitoxin. Canad. Pub. Health J., 1936, **27**: 529–35.—**Gengou, O.** Contribution à l'étude des poisons élaborés par les staphylocoques. Arch. internat. méd. exp., Liége, 1929–30, **5**: 633–9. ——— L'immunité acquise contre la toxine staphylococcique est-elle de nature humorale ou de nature cellulaire? In: Hommage mém. J. Cantacuzène, Par., 1934, p.269–76. ——— Acides aminés et toxine staphylococcique. Ann. Inst. Pasteur, Par., 1935, **55**: 129–47. ——— Contribution à l'étude de la toxine staphylococcique et de son dérivés. Bull. Acad. méd. Belgique, 1935, **15**: 508–11.—**Haberman, S.** Toxin production by staphylococcus variants. J. Bact., Balt., 1943, **45**: 22 (Abstr.)—**Hait, S. L.** [Investigation and titration of staphylococcal toxin, anatoxin and staphylococcic serums] J. mikrob., Moskva, 1937, **18**: 858–68.—**Ibáñez, R.** Nota sobre la acción de la estafilotoxina sobre hematíes humanos de los diversos grupos sanguineos. Rev. san., Madr., 1948, **22**: 441–4.—**Johlin, J. M., & Rigdon, R. H.** The detoxification of staphylococcal toxin by adsorption on organic liquids. J. Immun., Balt., 1941, **41**: 233–40.—**Kodama, T., & Koiima, T.** Studies of staphylococcal toxin, toxoid and antitoxin. Kitasato Arch., 1938, **15**: 247; 1939, **16**: 36; 197, pl.—**Mercier, P., & Richou, R.** Conservation des souches de staphylocoques toxigènes. C. rend. Soc. biol., 1944, **138**: 834.—**Morgan, F. G., & Graydon, J. J.** Toxins of the staphylococcus, with special reference to the estimation of potency. J. Path. Bact., Lond., 1936, **43**: 385–401.—**Nélis, P.** Contribution à l'étude de la toxine staphylococcique. C. rend. Soc. biol., 1933, **113**: 7–9. ——— Action de certains corps chimiques sur la toxine staphylococcique. Ibid., **114**: 598–601. ——— Contribution à l'étude de la toxine staphylococcique. Ann. Inst. Pasteur, Par., 1934, **52**: 597–644. ——— Contribution à l'étude de la toxine staphylococcique et de ses dérivés. Bull. Acad. méd. Belgique, 1935, **15**: 539–68. ——— Sur l'existence d'une paratoxine staphylococcique. C. rend. Soc. biol., 1936, **121**: 808–10.—**Panton, P. N., & Valentine, F. C. O.** Staphylococcal toxin. Lancet, Lond., 1932. **1**: 506–8.—**Parish, H. J., O'Meara, R. A. O., & Clark, W. H. M.** The clinical investigation of staphylococcal toxin, toxoid, and antitoxin. Ibid., 1934, **1**: 1054–7.—**Ramon, G., Bonnet, H.** [et al.] Sur une méthode d'évaluation du pouvoir antigène de la toxine staphylococcique par la floculation spécifique. C. rend. Soc. biol., 1935, **119**: 790–2.—**Ramon, G., Mercier, P.** [et al.] Sur la préparation, au moyen d'un nouveau milieu à base de digestion papaïnique de viande de cheval, de la staphylotoxine destinée à la production de l'anatoxine staphylococcique. Ibid., 1942, **136**: 329–31.—**Ramon, G., & Richou, R.** Sur le dosage de la toxine staphylococcique. Ibid., 1936, **121**: 379–82.—**Rigdon, R. H.** Inhibitory effect of hypertonic solutions of sodium chloride on staphylococcus hemotoxin. J. Infect. Dis., 1937, **60**: 25–31. ——— Effect of heat on the hemolytic and skin-necrotizing factors in staphylococcus toxin. J. Laborat. Clin. M., 1938–39, **24**: 142–6. ——— Staphylococcus toxin: a résumé. Am. J. M. Sc., 1940, **199**: 412–31. ——— & **Freeman, P. R.** Experimental study of the effects of sulfapyridine on staphylococci and staphylococcus toxin. J. Laborat. Clin. M., 1939–40, **25**: 1125–34.—**Rigdon, R. H., & Harris, H.** Deterioration of staphylococcal toxin in saline. Proc. Soc. Exp. Biol., N. Y., 1938, **39**: 585–8.—**Rigdon, R. H., Haynes, A., & Lipscomb, A.** Effect of sulfapyridine on staphylococcus toxin: an in vivo study in the rabbit. J. Laborat. Clin. M., 1940–41, **26**: 1111–5.—**Schwartz, J.** Action de l'huile d'oeillette et de l'huile cholestérinée sur la toxine staphylococcique. C. rend. Soc. biol., 1936, **122**: 1006–9.—**Seiffert, W.** Das Staphylotoxin. Zbl. Bakt., 1. Abt., 1935–36, **135**: 100–8.—**Singer, A., & Hagan, W. A.** Staphylococcal toxins. J. Bact., Balt., 1941, **41**: 74.—**Slanetz, L. W.** Studies on staphylococcal toxins. Ibid., 1942, **43**: 105.—**Smith, G. H.** The thermostability of staphylococcus toxins. Yale J. Biol., 1940–41, **13**: 409–22.—**Sulkin, S. E.** Flocculation with staphylococcal toxin and antitoxin. Proc. Soc. Exp. Biol., N. Y., 1939, **40**: 365–8.—**Timmerman, W. A.** [On staphylotoxin and -toxoid] Antonie van Leeuwenhoek, Amst., 1935, **2**: 377–87.—**Travasos, J.** Estudos experimentaes sobre a toxina estaphyloccccica. Brasil med., 1934, **48**: 971; passim; 1935, **49**: 11; passim.—**Vanbreuseghem, R.** Staphylotoxine et staphylocoagulase. C. rend. Soc. biol., 1934, **116**: 650–2.—**Wilson, R. J.** Staphylococcus toxin. Canad. J. M. Techn., 1939–40, **2**: 119–27.—**Wittler, R. G., & Pillemer, L.** The immunochemistry of toxins and toxoids; the solubility of staphylococcal toxin in methanol-water mixtures under controlled conditions of pH, ionic strength, and temperature. J. Biol. Chem., 1948, **174**: 23–9.—**Woodward, J. M., & Slanetz, L. W.** Studies on staphylococcal toxins. J. Bact., Balt., 1941, **42**: 817.

—— Toxin: Effect.

Brück, C. *Skin changes in rabbits' ears produced by repeated injections of diluted staphylotoxin. 200p. 24½cm. Helsin., 1942.

Lauer, R. *Ueber die anämisierende Wirkung des Staphylococcengiftes und die Neutralisation des Giftes durch Immunserum [Würzburg] 32p. 8° Schweinfurt, 1913.

Allen, J. H., & Braley, A. E. Staphylococcus toxin; an experimental study in rabbits. Am. J. Ophth., 1939, 3. ser., **22**: 11–5.—**Avery, R. C., Rigdon, R. H., & Johlin, J. M.** Effect of various salts on hemolysis and skin necrosis produced by staphylococcus toxin. Proc. Soc. Exp. Biol., N. Y., 1937–38, **37**: 131–4.—**Balsamelli, F.** Action des toxines staphylococciques et dysentériques (Shiga) et des staphylocoques vivants inoculés après leur enrobage dans de la lanoline ou dans un mélange de cholestérine et d'huile d'olive. Boll. Sez. ital. Soc. internaz. microb., 1935, **7**: 203–9.—**Bonnet, H., & Nélis, P.** Action de la toxine staphylococcique injectée dans le canal rachidien chez le lapin. C. rend. Soc. biol., 1934, **117**: 866–8.—**Brück, C.** Skin changes in rabbits, arising from repeated injections of diluted staphylococcic toxin. Acta derm. vener., Stockh., 1939, **20**: 719–22. Also Nord. med., 1939, **4**: 3678.—**Burky, E. L.** The production in the rabbit of hypersensitive reactions to lens, rabbit muscle and low ragweed extracts by the action of staphylococcus toxin. J. Allergy, 1934, **5**: 466–75.—**Burnet, F. M., & Kellaway, C. H.** Recent work on staphylococcal toxins, with special reference to the interpretation of the Bundaberg fatalities. Med. J. Australia, 1930, **2**: 295–301.—**Delaunay, A.** Tactisme leucocytaire et exotoxine staphylococcique. C. rend. Soc. biol., 1943, **137**: 209.—**De Walsche, L.** Recherches sur les ondes de mitoses et de psychoses provoquées

par la toxine staphylococcique. Arch. biol., Liége, 1931, **42**: 185–200.—**Dolman, C. E.** Pathogenic and antigenic properties of staphylococcus toxin. Canad. Pub. Health J., 1932, **23**: 125–32. ——— **Taylor, H. E., & Chang, H.** The nephrotoxic action of staphylococcus beta-toxin. Ibid., 1949, **40**: 36 [Abstr.]—**Feldberg, W., & Keogh, E. V.** Liberation of histamine from the perfused lung by staphylococcal toxin. J. Physiol., Lond., 1937, **90**: 280–7.—**Forssman, J.** Demonstration of the action of staphylococcal toxin on kidneys. Acta path. microb. scand., 1932, Suppl. 11, 202–4.—**Gengou, O.** De l'action du sérum sanguin sur la cytolyse par la toxine staphylococcique. Arch. internat. méd. exp., Liége, 1939, **14**: 23–7.—**Johlin, J. M.** The effect of temperature and of serum on the detoxification of staphylococcal toxin by interfacial adsorption. J. Immun., Balt., 1947, **56**: 179–81.—**Joyner, A. L., Rigdon, R. H., & Hare, R.** A study of the effects of staphylococcus exotoxin on leucocytes and bone marrow of the rabbit. J. Bact., Balt., 1937, **33**: 47.—**Levine, B. S.** Studies of staphylococcal toxin; the toxin-red-cell reaction. J. Immun., Balt., 1938, **35**: 131–9. ——— The unity of the haemolytic, dermonecrotic and lethal properties of staphylococcal exotoxin and of their corresponding counterparts in staphylococcal antitoxin. J. Path. Bact., 1939, **48**: 291–8.—**Lucic, H.** Sensitization of rabbits to uveal tissue by the synergic action of staphylotoxin. Arch. Ophth., Chic., 1939, **22**: 359–69. Also Proc. Soc. Exp. Biol., N. Y., 1939, **40**: 273–5.—**Marsh, H. C.** The synergic activity of staphylococcus toxin. Yale J. Biol., 1944–45, **17**: 359–82.—**Nélis, P.** Production expérimentale de paralysies périphériques par la toxine staphylococcique. C. rend. Soc. biol., 1934, **117**: 756–8. ——— & **Bonnet, H.** Mécanisme d'action de la toxine staphylococcique injectée dans le canal rachidien (région sous-occipitale) du lapin. Ibid., 1935, **118**: 136–8.—**Nélis, P., & Bouckaert, J. J.** Action cardiaque de la toxine staphylococcique chez le lapin et chez le chien. Ibid., 1933, **113**: 1157.—**Nélis, P., & Picard, E.** Contribution à l'étude de la toxine staphylococcique; étude anatomo-pathologique des lésions aiguës provoquées par ce poison. Ibid., 1321–3.—**Nélis, P., & De Weerdt, W.** L'influence de la toxine staphylococcique sur la formule sanguine du lapin. Ibid., 1935, **120**: 394–6.—**Olin, G., & Lithander, A.** Toxin-forming staphylococci as cause of deaths on the injection of infected bacteriological preparations. Acta path. microb. scand., 1948, **25**: 152–60.—**Panebianco, G.** Stafilococchi, glicemia e ipertermizzazione passiva; ricerche sperimentali. Med. sper., Tor., 1940, **7**: 619–24.—**Rigans-Irrera, D.** Comportamento dei fagociti di animali trattati con tossina stafilococcica. Riv. pat. sper., 1933–34, **11**: 23–30. ——— Sul rapporto tra potere complementare e potere opsonico del siero di sangue di animali iniettati con tossina stafilococcica. Ibid., 31–5. ——— & **Niclotti, G.** Il comportamento delle perossidasi dei leucociti in seguito ad introduzione endoperitoneale di tossine stafilococciche. Gior. batt. immun., 1933, **11**: 529–36.—**Rigdon, R. H.** Early lesions following intravenous administration of a filtrable staphylococcus toxin; a study on the dog and rabbit. Arch. Path., Chic., 1935, **20**: 201–8. ——— Effect of staphylococcus toxin on the dog's blood pressure. Ibid., 1936, **22**: 806–12. ——— Effect of staphylococcus toxin on the knee joints of rabbits. Ibid., 1937, **24**: 215–22. ——— Some of the experimental lesions produced by staphylococcus toxin. South. M. J., 1939, **32**: 798–802. ——— Local lesions produced in mice by staphylococcus toxin and by toxin- and nontoxin-producing strains. Surgery, 1939, **6**: 91–7. ——— **Joyner, A. L., & Ricketts, E. T.** A study of the action of a filtrable staphylococcal toxin on the kidneys of normal rabbits. Am. J. Path., 1934, **10**: 425–33, 2 pl.—**Travassos, J.** Sur l'action de la toxine staphylococcique inoculée directement dans le cerveau du cobaye et du lapin. C. rend. Soc. biol., 1933, **114**: 369. ——— Estudo experimental sôbre toxina estaphylocóccica. Mem. Inst. Butantan, 1933–34, **8**: 233–346, 10 ch., 2 pl. ——— A propos de la toxine staphylococcique; action tétanisante et effet de la concentration. C. rend. Soc. biol., 1934, **115**: 1354–6.—**Youmans, G. P., & Colwell, C. A.** The effect of staphylocóccus toxin on antigen dilution and antibody dilution precipitin titers in the albino rat. J. Infect. Dis., 1940, **66**: 235–9.

—— Toxin: Production.

Bonnet, H., & Thieffry, S. Production de la toxine staphylococcique. C. rend. Soc. biol., 1935, **118**: 1062.—**Bryce, L. M., & Rountree, P. M.** The production of β-toxin by staphylococci. J. Path. Bact., Lond., 1936, **43**: 173–89.—**Burnet, F. M.** The production of staphylococcal toxin. Ibid., 1930, **33**: 1–16.—**Casman, E. P.** The production of staphylococcus toxin in fluid media. J. Bact., Balt., 1938, **35**: 13.—**Chaudhuri, N. R.** Preparation and standarisation of staphylococcus toxin and toxoid. Calcutta M. J., 1939, **35**: 177–88.—**Christie, R., & North, E. A.** Observations on staphylococcal beta toxin and its production by strains isolated from staphylococcal lesions in man. Austral. J. Exp. Biol., 1941, **19**: 323–7.—**Gengou, O.** Signification des substances toxiques élaborées par les staphylocoques et conditions favorables à leur production. Arch. internat. méd. exp., Liége, 1930–31, **6**: 211–8.—**Gratia, A., & Nélis, P.** Ultracentrifugation de la staphylotoxine. C. rend. Soc. biol., 1938, **127**: 350–2.—**Gross, H.** Ueber Bildung und Nachweis des Staphylokokkentoxins. Zschr. Hyg., 1928–29, **109**: 479–81.—**Jones, M.** The production of staphylococcus toxin in the chorio-allantoic fluid of the embryonated egg. J. Bact., Balt., 1946, **51**: 789.—**Leonard, G. F., & Holm, A.** A method for the production of staphylococcus toxin and toxoid. Ibid., 1935, **29**: 45. Also J. Immun., Balt., 1935, **29**: 209–21.—**Lithander, A.** Method of producing staphylococcic toxin. Acta path. microb. scand., 1944, **21**: 764–7.—**McBroom, J.** Relation of hemotoxin production to metabolic activities of staphylococci. J. Infect. Dis., 1937, **60**: 364–9.—**McClean, D.** Staphylococcus toxin; factors which control its production in a fluid medium. J. Path. Bact., Lond., 1937, **44**: 47–70.—**Mercier, P.** Sur la toxinogénèse staphylococcique. Rev. immun., Par., 1939, **5**: 289–98. ——— & **Lehoult, Y.** La culture du staphylocoque et sa toxinogénèse sur un milieu à base d'acides aminés. Ann. Inst. Pasteur, Par., 1946, **72**: 468–70.—**Mercier, P., & Pillet, J.** Adaptation d'un milieu à base de digestion papainique de viande pour la production régulière de la toxine staphylococcique avec la souche Wood. Ibid., 1947, **73**: 809–11.—**Minett, F. C.** Staphylococci from animals with particular reference to toxin production. J. Path. Bact., Cambr., 1936, **42**: 247–63.—**Mlčochová, L.** [Preparation of pyococcal toxin] Cas. lék. česk., 1941, **80**: 298–302.—**Ohashi, S., & Hong, L. Y.** Beitrag zur Kulturmethode der Staphylokokken für die Gewinnung von Filtratgift. J. Shanghai Sc. Inst., Sect. IV, 1937–38, **3**: 83–91.—**Ramon, G.** Sur la production de la toxine et de l'anatoxine staphylococciques. C. rend. Soc. biol., 1936, **121**: 375–9. ——— **Berthelot, A., & Amoureux, G.** Sur un nouveau milieu de culture pour la production de la toxine staphylococcique. C. rend. Acad. sc., 1936, **202**: 515.—**Ramon, G., & Richou, R.** Sur certaines particularités de la toxinogénèse dans les cultures de staphylocoques. Ann. Inst. Pasteur, Par., 1938, **61**: 789.—**Schwartz, J.** Variations du pH dans le milieux de culture destinés à production de toxine staphylococcique. C. rend. Soc. biol., 1935, **120**: 1085.—**Sinelnikov, Z. I.** [Significance of the products of basal metabolism of the colon bacillus in formation of staphylococcal toxins in vitro] Vrach. delo, 1939, **21**: 255–8.—**Turner, F. C.** The standardization of staphylococcus toxic products. J. Bact., Balt., 1937, **33**: 47.—**Walch, E. W.** Over de vorming van exotoxine door staphylococcen. In: Wielen Festschr., Amst., 1934, 44–55, pl.

—— Use.

Darányi, J., & Buzna, D. Ueber die Verwendung von Staphylokokken bei Desinfektionsversuchen. Zschr. Hyg., 1925–26, **105**: 560.

—— Vaccine.

See also subheading Anatoxin.

LAMASSON, F. *Indications et résultats thérapeutiques du vaccin antistaphylococcique à forte concentration préparé suivant la méthode du Docteur Demonchy. 112p. 8° Par., 1935.

LEBLANC, L. G. *Etat actuel de la vaccinothérapie staphylococcique; importance des produits solubles microbiens. 63p. 8° Par., 1930.

Barto, L. R. The clinical use of staphylococcus vaccine. J. Am. Vet. M. Ass., 1941, **98**: 152.—**Celarek, J., & Fejgin, B.** Au sujet de la vaccinothérapie staphylococcique en connexion avec la staphylotoxine. C. rend. Soc. biol., 1936, **122**: 137.—**Clawson, B. J., & Allen, P. K.** Intravenous vaccine therapy in staphylococcic infections. Arch. Derm. Syph., Chic., 1931, **23**: 894–900.—**Colella, L.** Sulla possibilità di esaltare l'azione preventiva del vaccino stafilococcico. Rass. internaz. clin. ter., 1932, **13**: 676.—**Combiesco, D.** Immunité héréditaire chez les animaux vaccinés par la voie cutanée contre le staphylocoque. C. rend. Soc. biol., 1927, **97**: 1733.—**De Potter, F.** Immunisation antistaphylococcique au moyen d'un vaccin préparé avec une solution aqueuse d'huiles essentielles. Ibid., 1939, **131**: 1322–4.—**Downie, A. W.** A comparison of the value of heat-killed vaccines and toxoid as immunising agents against experimental staphylococcal infection in the rabbit. J. Path. Bact., Lond., 1937, **44**: 573–87, 3 pl.—**Etris, S.** A comparison of the antigenic properties of staphylococcal vaccine, staphylococcal toxoid, and the two in combination. J. Immun., Balt., 1943, **46**: 309–14.—**Flandin, C., & Duchon, L.** Infections à staphylocoques et vaccinothérapie. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., **54**: 258–60.—**Gratia, A.** L'action lytique des staphylocoques vivants sur les staphylocoques tués. C. rend. Soc. biol., 1926, **95**: 734. ——— & **Rhodes, B.** De l'action lytique des staphylocoques vivants sur les staphylocoques tués. Ibid., 1924, **90**: 640–2.—**Gross, H., & König, E.** Die Behandlung von Staphylomykosen mit Autovakzinen. Fortsch. Ther., 1936, **12**: 610–2.—**Hellerström, S.** Peculiar local tissue changes following intracutaneous injection of staphylococcal vaccine. Dermatologica, Basel, 1947, **94**: 309–14.—**Kittinger, A.** Erfahrungen mit Staphar bei Staphylokokkeninfektionen. Wien. med. Wschr., 1930, **80**: 351.—**Lamasson, F.** Que peut-on attendre de la vaccinothérapie antistaphylococcique? Progr. méd., Par., 1933, 2257–65.—**Miller, J.** Case treated by injections of bacterial vaccines; staphylococcus infections. Tr. Med. Chir. Soc. Glasgow, 1909–10, **9**: 109–13.—**Nouvelles** applications des vaccins antistaphylococciques curatifs; traitement des méningites généralisées à staphylocoques; traitement de la leucorrhée équine. Biol. méd., Par., 1931, **21**: 355–9.—**Olitzki, L.** Endotoxic reactions produced by heat-killed staphylococci. Harefuah, Tel Aviv, 1947, **32**: 56.—**Panebianco, G.** Vaccinazione antistafilococcica e assideramento; ricerche sperimentali. Arch.

ital. med. sper., 1939, 4: 939–44.—**Ramon, G., & Richou, R.** Sur l'immunisation expérimentale au moyen de staphylocoques vivants et pathogènes. C. rend. Soc. biol., 1937, 125: 792–6.—**Simitch, T. V., & Mrchevitch, S.** L'immunité locale et la vaccination antistaphylococcique par voie cutanée. Rev. immun., Par., 1937, 3: 463–71.—**Stajano, C., & Hormaeche, E.** Nota de terapéutica práctica: la vacunación local en las estafilococcias rebeldes. An. Fac. med., Montev., 1926, 11: 46–52.—**Staphylococcus** vaccines. In: De re medicina (Lilly Comp.) 2. ed., Indianap., 1941, 180.—**Thomson, D., & Thomson, R.** Oral staphylococcal vaccines. In their Oral Vaccines, Lond., 1948, 213–5.—**Urbain, A.** Vaccination du lapin contre le staphylocoque par la voie digestive. C. rend. Soc. biol., 1926, 94: 1336–8.—**Velu, H., & Sarthou, C.** Pouvoir antigénique des vaccins staphylococciques sodiques. Ibid., 1937, 124: 638–40.—**Wolfsohn, G.** Ueber eine Modifikation des Staphylokokkenvakzins. Deut. med. Wschr., 1913, 39: 463.—**Wollman, E.** Action lytique des staphylocoques vivants sur les staphylocoques tués (à propos de la note de A. Gratia) C. rend. Soc. biol., 1926, 95: 679.

MICROCOCCUS pyogenes (var. albus) [1889 Rosenbach]

See also in 3. ser., **Staphylococcus.**

Carmona, L. Sull'azione dell'idrogeno solforato sopra due stipiti di stafilococco albo patogeno per il cane. Cult. med. mod., Pal., 1935, 14: 389–413.—**Fosdick, L. S., & Rapp, G. W.** The degradation of glucose by Staphylococcus albus. Arch. Biochem., N. Y., 1942–43, 1: 379–89.—**Gibbs, C. S.** A comparative study of human and avian strains of Staphylococcus albus. J. Bact., Balt., 1936, 31: 81.—**Grassellino, V.** Sull'azione dell'anidride carbonica sopra due stipiti di stafilococco albo patogeno per il cane. Cult. med. mod., Pal., 1936, 15: 262–70.—**Jeney, A., Váczi, L., & Tóth, I.** Wirkung von Sulfanilamiden und Vitaminen auf die Wärmeproduktion des Staphylococcus albus. Zschr. Immunforsch., 1944, 105: 272–84.—**Rapp, G. W., & Fosdick, L. S.** Glucose degradation by Staphylococcus albus. J. Dent. Res., 1943, 22: 199.—**Tauber, O. E., & Griffiths, J. T.,** jr. Isolation of Staphylococcus albus from hemolymph of the roach, Blatta orientalis. Proc. Soc. Exp. Biol., N. Y., 1942, 51: 45–7.—**Tilmant, A.** Action attenuante des lipoïdes hépatiques à l'égard du Staphylococcus pyogenes albus. C. rend. Soc. biol., 1914, 76: 388.

—— Infection.

See also under names of organs and regions as **Eyelid,** Abscess.

Conklin, C. B. A sporadic outbreak of neonatal pneumonia with accompanying skin lesions due to Staphylococcus albus hemolyticus. Med. Ann. District of Columbia, 1936, 5: 264–9.—**Malcev, M.** Staphylococcus albus et aureus: vozbuditeli krupoznago vospaleniya v legkikh. Sborn. tr. Kharkov. vet. inst. (1891–94) 1895, 4: 127–34.—**Yrus, J. M.** Un caso de blefaro-conjuntivitis ulcerosa crónica; por estafilococos blancos? An. Soc. mex. oft., 1938, 13: 40.

—— Sepsis.

See also **Micrococcus sepsis.**

Barber, M. A case of Staphylococcus albus septicaemia; with reactions of 150 strains of staphylococci. Brit. M. J., 1942, 1: 407–9.—**Bland, J. H.** Hemolytic staphylococcus albus bacteremia and pericarditis treated with sodium salt of penicillin and penicillin in beeswax and peanut oil. Am. J. Med., 1948, 5: 298–303.—**Dassen, R., Martinez, F., & Fisher, A.** Septicemia a estafilococus albus, de caracteres raros. Sem. méd., B. Air., 1938, 45: 1202–5.—**Ericksen, O. C.** Staphylococcus albus osteomyelitis and septicemia treated with penicillin. J. Am. M. Ass., 1944, 124: 1053.—**Galewski, S., & Stannus, H. S.** Septicemia due to Staphylococcus albus, treated with M. & B. 693. Lancet, Lond., 1939, 2: 1067.—**Herbst, R. H., & Merricks, J. W.** Staphylococcus albus septicemia following nephrolithotomy; recovery with penicillin. J. Am. M. Ass., 1945, 127: 518.—**Leopold, J. S.** Staphylococcus albus septicemia in an infant aged 6 weeks; recovery with penicillin. Arch. Pediat., N. Y., 1944, 61: 347–51.—**Pettigrew, A.** Septicémie post-abortum à staphylocoques blancs. Union méd. Canada, 1938, 67: 256–9.—**Roehm, H. R.** Staphylococcus albus septicemia; report of two cases. Arch Pediat., N. Y., 1932, 49: 165–9.

MICROCOCCUS pyogenes (var. aureus) [1884 Rosenbach]

See also in 3. ser., **Staphylococcus.**

Bach, D. Les donateurs d'hydrogène pour le staphylocoque doré. C. rend. Soc. biol., 1935, 120: 608–10.—**Brewer, C. M.** Use and abuse of Staphylococcus aureus as a test organism. Am. J. Pub. Health, 1942, 32: 401–5.—**Doudoroff, M.** Association of characters among dissociates from Staphylococcus aureus. Proc. Soc. Exp. Biol., N. Y., 1936, 34: 216.—**Durfee, O.** Classification of 110 strains of Staphylococcus aureus. J. Bact., Balt., 1942, 44: 589–95.—**Dyar, M. T.** Studies on the surface lipids of Micrococcus aureus. Ibid., 1947, 54: 17.—**Fisk, R. T., & Mordvin, O. E.** Studies on staphylococci; further observations on bacteriophage typing of Staphylococcus aureus. Am. J. Hyg., 1944, 40: 232–8.—**Gilbert, R.** An interesting strain of Staphylococcus aureus. Annual Rep. Div. Laborat. N. York State Dep. Health, 1938, 34.—**Hoffstadt, R. E., & Youmans, G. P.** The genetic significance of the dissociants of Staphylococcus aureus. J. Bact., Balt., 1934, 27: 551–60. ——— Dissociation of Staphylococcus aureus; the relation of filtration to dissociation of Staphylococcus aureus. J. Infect. Dis., 1934, 54: 250–2.—**Kelly, T. A., McDowell, M. A., & Nutini, L. G.** Effect of a Staphylococcus aureus extract on bacteria. Stud. Inst. Divi Thomae, Cincin., 1946–47, 5: 49–54.—**Macdonald, A.** Staphylococcus aureus in cows' milk; the results of phage-typing. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1946, 5: 230–3.—**Miescher, G., Lincke, H., & Storck, H.** Analytische Untersuchungen epicutan wirksamer Stoffe der Staphylokokken (Staphylococcus aureus) Bull. Schweiz. Akad. med. Wiss., 1948–49, 4: 355–73.—**Nutini, L. G., Kelly, T. A., & McDowell, M. A.** Effect of Staphylococcus aureus extracts on various bacteria. J. Bact., Balt., 1946, 51: 533–8.—**Park, J. T., & Johnson, M. J.** Accumulation of labile phosphate in Staphylococcus aureus grown in the presence of penicillin. J. Biol. Chem., 1949, 179: 585–92.—**Pinner, M., & Voldrich, M.** Derivation of Staphylococcus albus, citreus and roseus from Staphylococcus aureus. J. Infect. Dis., 1932, 50: 185–202.—**Talcott, T. B., & Webb, L. J.** Queensland plants tested against Staphylococcus aureus. Austral. J. Sc., 1947–48, 10: 82.

—— Allergy.

Afremov, M. L., & Pilot, I. Skin tests with filtrates and vaccines of Staphylococcus aureus. J. Infect. Dis., 1929, 45: 167–71.—**Kobak, A. J., & Pilot, I.** Skin reactivity of mothers and infants to staphylococcus aureus filtrate and vaccine. Proc. Soc. Exp. Biol., N. Y., 1930–31, 28: 584–6.—**Miani, G.** Microbidi cutanei a tipo papuloso con reperto positivo di stafilococco aureo nei tessuti e nel sangue. Atti Soc. ital. derm. sif., 1938, 1: 184–92.

—— Antagonism.

Kelly & McDowell. Studies in vitro and in vivo on the effects of a Staphylococcus aureus extract on mouse carcinoma. Cancer Res., 1948, 8: 495–9.—**Vanbreuseghem, R.** Antagonisme des cultures de Staphylococcus aureus et de Trichophyton (Achorion) schoenleini. Ann. parasit., Par., 1948, 23: 47–54.

—— Antigenicity and antibodies.

Blavet di Briga, C. Equilibrio della difese immunitarie dell'organismo; ricerche sullo stafilococco piogeno aureo. Gior. batt. immun., 1930, 5: 935–50, pl.—**Day, H. B.** The preparation of antigenic specific substance from Staphylococcus pyogenes aureus. Brit. J. Exp. Path., 1928, 9: 198–206.—**Fellowes, O. N., & Routh, J. I.** A study of the chemical composition and antigenic properties of a polysaccharide fraction of 3-hour cultures of Staphylococcus aureus. J. Laborat. Clin. M., 1944, 29: 1054–61.—**Finucci, V.** Equilibrio delle difese immunitarie dell'organismo; ricerche sullo stafilococco piogeno aureo. Gior. batt. immun., 1931, 6: 659–72, pl.—**Fisher, A. M.** The plasma-coagulating properties of staphylococci. Bull. Johns Hopkins Hosp., 1936, 59: 393–414.—**Hoffstadt, R. E., & Clark, W. M.** Studies on the antigenic structure of the variants of Staphylococcus aureus; the carbohydrates of the rough and smooth forms of Staphylococcus aureus. J. Infect. Dis., 1935, 56: 250–4. ——— The chemical composition and antigenic properties of fractions of the smooth and rough strains of Staphylococcus aureus. Ibid., 1938, 62: 70–82.—**Hoffstadt, R. E., & Youmans, G. P.** Antigenic reactions of Staphylococcus aureus and its variants. Ibid., 1935, 56: 288–96.—**Hopkins, J. G., & Barrie, N.** Antigenic relationships of certain strains of Staphylococcus aureus as shown by agglutinin absorption. Proc. Soc. Exp. Biol., N. Y., 1927–28, 25: 701.—**Lenti, G., & Janella, L.** Modificazioni nei batteri coltivati su agar-organi; variazioni del potere emolitico dello stafilococco aureo. Gior. batt. immun., 1947, 37: 31–7.—**Lichty, J. A.,** jr, **Katsampes, C. P., & Baum, W. S.** A study of humoral antibodies for Staphylococcus aureus in infants and their mothers. J. Pediat., S. Louis, 1943, 22: 549–58.—**Maršálek, J.** [Immunity of Staphylococcus pyogenes aureus from lactic acid] Cas. lék. česk., 1927, 66: 1312–4.—**Millet, M., & Schmitz, P.** Propriétés sérologiques comparées de souches de staphylocoques dorés et de leurs mutants blancs. C. rend. Soc. biol., 1939, 132: 334.—**Packalén, T.** A peculiar type of hemolysis produced by Staphylococcus aureus (l'hémophagie staphylococcique de Muller) Acta path. microb. scand., 1938, 15: 117–49.—**Schaef, F., & Robert, P.** Der Antigengehalt von Staphylococcus-aureus-Kulturfiltraten (Antigenanalyse mit Hilfe des Schultz-Daleschen Versuchs) Zschr. Immunforsch., 1937, 90: 192–206.—**Simizu, M.** Ueber die Säureagglutination von Staphylococcus pyogenes aureus und ihre klinische Bedeutung (eine neue Methode zur Virulenzbestimmung) Zschr. ges. exp. Med., 1931, 77: 323–47. ——— Ueber Lipingehalt und Agglutinabilität. Ibid., 1933, 90: 208–15.—**Shrigley, E. W.** The agglutination of Staphylococcus aureus in the presence of chorio-allantoic fluid from hens' eggs; a description of the phenomenon. J. Bact., Balt., 1945, 50: 611. Also Science, 1945, 102: 64. ——— The agglutination of Staphylococcus aureus in the presence of normal or influenza virus-infected mouse lung filtrates and of chorio-allantoic fluids. Yale J. Biol., 1945–46, 18: 81–102, pl. ———

& **Maculla, E. S.** Preliminary studies on the identification of the principle in chorioallantoic fluid responsible for the agglutination of some strains of Staphylococcus aureus. J. Bact., Balt., 1947, **54:** 62.—**Takayasu, A.** Ist die allgemeine roborierende Wirkung [tuberculin] auch im Antigen aus Staphylococcus pyogenes aureus enthalten? Kekkaku, 1938, **16:** 15.—**Toomey, J. A., & Freedlander, S. O.** Further experiences with nonspecific local cutaneous immunity to Staphylococcus aureus; local non-specific protection. J. Exp. M., 1931, **53:** 363–75.

—— Bacteriophage.

Callow, B. R. Bacteriophage phenomena with Staphylococcus aureus. J. Infect. Dis., 1922, **30:** 643–50.—**Fisk, R. T.** Studies on staphylococci; occurrence of bacteriophage carriers among strains of Staphylococcus aureus. Ibid., 1942, **71:** 153–60. ——— Identification of Staphylococcus aureus strains by means of bacteriophage. Ibid., 161–5.—**Freeman, M.** The phage inactivating agent in extracts of Staphylococcus aureus. Austral. J. Exp. Biol., 1937, **15:** 221–5.—**Gates, F. L.** Results of irradiating Staphylococcus aureus bacteriophage with monochromatic ultraviolet light. J. Exp. M., 1934, **60:** 179–88.—**Gratia, A., & Mutsaars, W.** L'action inhibitrice du sérum normal sur la lyse du staphylocoque doré par les bactériophages staphylococciques polyvalents. C. rend. Soc. biol., 1931, **106:** 943–5.—**Hoffstadt, R. E., & Almaden, P.** Dissociation of Staphylococcus aureus; relation of bacteriophage to the dissociation of Staphylococcus aureus. J. Infect. Dis., 1934, **54:** 253–8.—**McKinley, E. B., & Camara, J.** Resistance of hemolytic staphylococci to bacteriophage lytic for non-hemolytic Staphylococcus aureus. Proc. Soc. Exp. Biol., N. Y., 1929–30, **27:** 846.—**McKinniss, E. E.** Compatibility of Staphylococcus aureus bacteriophage and maggot-extract. Univ. Pittsburgh Bull., 1934, **31:** No. 1, 618.—**Mutsaars, W.** De l'action protectrice exercée par le sérum normal sur les staphylocoques dorés, contre la fixation du bactériophage. C. rend. Soc. biol., 1931, **108:** 235–7. ——— De l'action du sang normal sur la lyse transmissible du staphylocoque doré. Ann. Inst. Pasteur, Par., 1933, **51:** 605–25. ——— La lyse du staphylocoque doré par le principe correspondant et son inhibition par le sérum normal. C. rend. Soc. biol., 1934, **117:** 1212–4.—**Simizu, M.** Ueber das d'Hérellesche Phänomen des Staphylococcus pyogenes aureus. Beitr. klin. Chir., 1933, **157:** 154–65.—**Williams, R. E. O.** Skin and nose carriage of bacteriophage types of Staph. aureus. J. Path. Bact., Lond., 1946, **58:** 259–68.—**Wynd, F. L., & Bronfenbrenner, J.** The nature of the catalase reaction in the residue of Staphylococcus aureus lysed by bacteriophage. J. Bact., Balt., 1939, **38:** 659–75.

—— Carriage.

Loghem, J. J. van. Le staphylocoque doré dans le nez sain et les agglutinines naturelles. Ann. Inst. Pasteur, Par., 1946, **72:** 978–80.—**Miles, A. A., Williams, R. E. O., & Clayton-Cooper, B.** The carriage of Staphylococcus (pyogenes) aureus in man and its relation to wound infection. J. Path. Bact., Lond., 1944, **56:** 513–24.—**Moss, B., Squire, J. R.** [et al.] Nose and skin carriage of Staphylococcus aureus in patients receiving penicillin. Lancet, Lond., 1948, **1:** 320–5.—**Roberts, J.** Nose and skin carriage of Staphylococcus aureus. Ibid., 387.—**Vierthaler, R. W.** The relation between bacterial content and the physiological condition of the epidermis, with special reference to the occurrence of persistent carriers of pyogenic cocci. Bull. Hyg., Lond., 1942, **17:** 136 (Abstr.)

—— Culture and growth.

Homp, U. *Beeinflussung von Gelbkeimen mittelst Passagen durch Pflanzensäfte. 19p. 8° Königsb., 1935.

Riemer, M. *Beitrag zur Kenntnis des Stoffwechsels des Micrococcus pyogenes aureus [Rostock] 94p. 8° Münch., 1909.

Bach, D. Evolution des déshydrogénases du staphylocoque doré au cours de la culture. C. rend. Soc. biol., 1935, **120:** 673. ——— Sur l'emploi des creusets à plaque de verre fritté pour la détermination pondérale des bactéries; étude du développement du staphylocoque doré. Bull. sc. pharm., Par., 1937, **44:** 479–87.—**Bigger, J. W., Boland, C. R., & O'Meara, R. A. Q.** Variant colonies of Staphylococcus aureus. J. Path. Bact., Edinb., 1927, **30:** 261–9, pl.—**Brandt, S.** On catalase in Staphylococcus aureus. Acta path. microb. scand., 1944, **21:** 867–81.—**Brewer, C. M.** A study of certain factors which influence the resistance of Staphylococcus aureus when grown in beef extract. Abstr. Theses Grad. School Univ. Maryland, 1938–40, 9.—**Byatt, P. H., Jann, G. J., & Salle, A. J.** Variation in pigment production in Staphylococcus aureus. J. Bact., Balt., 1948, **55:** 787–92.—**Clark, W. M.** The chemical analysis of Staphylococcus aureus and a rough variant. Ibid., 1937, **33:** 20.—**Clifton, C. E.** Oxidation-reduction potentials in cultures of Staphylococcus aureus. Ibid., 1933, **25:** 495–507.—**Demerec, M.** Genetic aspects of changes in Staphylococcus aureus producing strains resistant to various concentrations of penicillin. Ann. Missouri Bot. Gard., 1945, **32:** 131–8.—**Elliott, W. H., & Gale, E. F.** Glutamine-synthesizing system of Staphylococcus aureus; its inhibition by crystal violet and methionine-sulphoxide. Nature, Lond., 1948, **161:** 129.—**Fildes, P., & Richardson, G. M.** The nutrition of Staphylococcus aureus: sulphur requirements. Brit. J. Exp. Path., 1937, **18:** 292–304. ———[et al.] A nutrient mixture suitable for the growth of Staphylococcus aureus. Ibid., 1936, **17:** 481–4.—**Friedemann, T. E.** The carbohydrate metabolism of Staphylococcus aureus. J. Biol. Chem., 1939, **130:** 61–5.—**Gladstone, G. P.** The nutrition of Staphylococcus aureus; nitrogen requirements. Brit. J. Exp. Path., 1937, **18:** 322–33.—**Hills, G. M.** Aneurin (vitamin B_1) and pyruvate metabolism by Staphylococcus aureus. Biochem. J., Lond., 1938, **32:** 383–91.—**Hirsch, J., & Müller, A. W.** Zur Bedeutung des Peptons als Nährsubstrat aerober Bakterien; die Verwertung des Peptons durch Staphylococcus aureus. Zschr. Hyg., 1933, **115:** 443–94.—**Hoffstadt, R. E., & Youmans, G. P.** A single cell study of the smooth and rough strains of Staphylococcus aureus. J. Bact., Balt., 1936, **31:** 31. ——— Dissociation of single cell cultures of Staphylococcus aureus. Ibid., 1938, **35:** 511–4.—**Holiday, E. R.** Spectrographic identification of nicotinic acid in Staphylococcus aureus growth factor concentrates. Biochem. J., Lond., 1937, **31:** 1299–302.—**Hughes, D. E.** Glutamine and the growth of Staphylococcus aureus. J. Biol. Chem., 1948, **176:** 1473.—**Kendall, A. I., Friedemann, T. E., & Ishikawa, M.** Quantitative observations on the chemical activity of resting staphylococcus aureus; studies in bacterial metabolism. J. Infect. Dis., 1930–31, **47:** 223–8.—**Kligler, I. J., Grossowicz, N., & Bergner, S.** Studies on the rôle of niacin and thiamine in the metabolism of glucose by Staphylococcus aureus. J. Bact., Balt., 1943, **46:** 399–403.—**Knight, B. C. J. G.** An essential growth factor for Staphylococcus aureus. Brit. J. Exp. Path., 1935, **16:** 315–26. ——— The nutrition of Staphylococcus aureus; nicotinic acid and vitamin B. Biochem. J., Lond., 1937, **31:** 731–7. ——— The nutrition of Staphylococcus aureus; the activities of nicotinamide, aneurin (vitamin B_1) and related compounds. Ibid., 966–73. ——— & **McIlwain, H.** The specificity of aneurin and nicotinamide in the growth of Staph. aureus. Ibid., 1938, **32:** 1241–51. **Lenti, G., & Jannella, L.** Modificazioni nei batteri coltivati su agar-organi; variazioni di alcune attività fermentative dello Stafilococco aureo. Gior. batt. immun., 1947, **37:** 19–30.—**Lominski, I.** Preparation of cell-free plasma coagulase of Staphylococcus aureus. Nature, Lond., 1944, **154:** 640.—**Ludlam, G. B.** A selective medium for the isolation of Staphylococcus aureus from heavily contaminated material. Month. Bull. Min. Health Gr. Britain, 1949, **8:** 15–20.—**Markees, S.** Ueber Wachstumsversuche mit Staphylococcus aureus im vollsynthetischen Nährmedium und zur Frage des Pantothensäure-Salicylat-Antagonismus. Schweiz. Zschr. Path. Bakt., 1946, **9:** 88–124.—**Oesterle, P.** Die Verschleimung des Staphylococcus pyogenes aureus; Beitrag zur Biologie der Aureusstämme. Zbl. Bakt., 1. Abt., 1936, **136:** 221–5.—**Packalén, T.** On the phenomenon of satellite zones produced by Staphylococcus aureus in some solid media. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 257. Also Am. J. Hyg., 1941, **33:** Sect. B, 56–62.—**Pasqualino, G.** Sulle proprietà culturali morfologiche e biologiche dello stafilococo aureo proveniente da ascessi di animali sottoposti a dieta alcalosica ed acidosica. Gior. batt. immun., 1935, **14:** 623–32.—**Porter, J. R., & Pelczar, M. J.**, jr. The nutrition of Staphylococcus aureus; the influence of biotin, bios II_B and vitamin H on the growth of several strains. J. Bact., Balt., 1941, **41:** 173–92.—**Powelson, D. M., Wilson, P. W., & Burris, R. H.** Oxidation of glucose, glycerol and acetate by Staphylococcus aureus. Biochem. J., Lond., 1947, **41:** 486–91.—**Richardson, G. M.** The nutrition of Staphylococcus aureus; necessity for uracil in anaerobic growth. Ibid., 1936, **30:** 2184–90. ——— The necessity for nucleic acid components in the anaerobic growth of Staphylococcus aureus. Proc. R. Soc., Lond., 1937, ser. B, **124:** 10–2.—**Sevag, M. G., & Green, M. N.** Indispensibility of tryptophane, and glucose or pyruvate for the formation of arylamines (paraaminobenzoic acid) by Staphylococcus aureus. J. Bact., Balt., 1944, **47:** 450. ——— The role of carbohydrates in the development of pigment by Staphylococcus aureus. Ibid., **48:** 496.—**Shands, A. R.**, jr. An experiment with broth cultures of Staphylococcus aureus and gentian violet. Arch. Surg., 1928, **16:** 1078.—**Simizu, M.** Ueber das fettlösliche Vitamin von Staphylococcus pyogenes aureus. J. Chosen M. Ass., 1935, **25:** 94.—**Swingle, E. L.** Studies on small colony variants of Staphylococcus aureus. Proc. Soc. Exp. Biol., N. Y., 1934, **31:** 891–3. Also J. Bact., Balt., 1935, **29:** 467–88, pl.—**Tocco, L., & Taormina, A.** Sulla presenza in molte piante superiori di sostanze attivanti (filobiotiche) lo sviluppo dello stafilococco piogeno aureo. Boll. Soc. ital. biol. sper., 1947, **23:** 136.—**Webster, M. D.** Change in amino acid oxidation following dissociation of Staphylococcus aureus. Proc. Soc. Exp. Biol., N. Y., 1939, **40:** 289–92.—**Wyss, O., Stone, W. S., & Clark, J. B.** The production of mutations in Staphylococcus aureus by chemical treatment of the substrate. J. Bact., Balt., 1947, **54:** 767–72.—**Youmans, G. P.** Production of small-colony variants of Staphylococcus aureus. Proc. Soc. Exp. Biol., N. Y., 1937–38, **36:** 94–6.

—— Detection.

Forssman, J. Staphylokokken und Gramfärbung; zugleich ein Beitrag zur Frage der Auflösung des Staph. aureus im infizierten Organismus. Acta path. microb. scand., 1944, Suppl. 54, 1–13.—**Lominski, I., & Grossfeld, E.** A direct coagulase test for rapid detection of Staphylococcus aureus. Brit. M. J., 1944, **2:** 854. ——— An improved direct coagulase test for the rapid detection of Staphyloccus aureus. Ibid., 1948, **1:** 343.

—— Food infection.

See also **Food poisoning; Micrococcosis,** Food infection.

Avdeeva, E. A. [Three cases of food poisoning caused by Staphylococcus aureus] J. mikrob., Moskva, 1942, No. 5, 75–8.—**Cherviakov, M. P., Fisher, G. M., & Belikov, L. A.** [Staphylococcus aureus as causative agent of food poisoning] Sovet. med., 1943, **7:** No. 10, 24.—**Fingerov, L. S.** [Staphylococcus aureus as the cause of mass food poisoning] J. mikrob., Moskva, 1940, 115.—**Geiger, J. C., & Crowley, A. B.** Illness due to commercially prepared egg and olive sandwiches contaminated by a probable carrier of hemolytic Staphylococcus aureus. Am. J. Pub. Health, 1940, **30:** 1351–4.—**Giovanardi, A., & Stoppa, G.** Un episodio epidemico di intossicazione alimentare da stafilococco piogene aureo. Atti Accad. fisiocr. Siena, 1939, 11. ser., **7:** 44. Also Minerva med., Tor., 1939, **30:** pt 2, 333–40.—**Lawson, G. M., & Englar, T. S.** An outbreak of food poisoning due to Staphylococcus aureus. Virginia M. Month., 1944, **71:** 253–5.—**Pikkarainen, J.** Ueber Nahrungsmittelvergiftungen, verursacht durch Staphylococcus aureus. Zbl. Bakt., 1. Abt., 1938–39, **143:** 60–6.—**Sangster, C. B., & Constance, T. J.** An outbreak of food poisoning due to Staphylococcus aureus. Med. J. Australia, 1943, **2:** 264–6.—**Semikoz, F., Voronova, S., & Gorbacheva, M.** [Mass food poisoning by Staphylococcus aureus] J. mikrob., Moskva, 1937, **18:** 173–6.

—— Infection.

See also **Micrococcosis;** also under names of infections as **Conjunctivitis; Endocarditis,** Bacteriology; **Epididymitis,** etc.

Ernst, J. *Untersuchungen über die pyogenen Wirkungen des Staphylococcus pyogenes aureus im Unterhautzellgewebe des Kaninchens. 27p. 8° Würzb., 1886.

Avdeeva, E. A. [Three toxicoinfections caused by Staphylococcus aureus] Hig. san., Moskva, 1943, **8:** 44–6.—**Bliss, E. A., & Long, P. H.** Comparative therapeutic effects of sulfapyridine in experimental Staphylococcus aureus infections in mice. Proc. Soc. Exp. Biol., N. Y., 1939, **40:** 32–4.—**Carroll, G., & Kappel, L.** The first clinical case to receive sulfamethylthiazol for treatment of virulent Staphylococcus aureus infection with recovery; case report. Week. Bull. S. Louis M. Soc., 1939–40, **34:** 197.—**Dadlez, J., & Koskowski, W.** Les échanges gazeux dans la fièvre provoquée par le Staphylococcus aureus. C. rend. Soc. biol., 1932, **109:** 301.—**Di Gioia, C.** La leucocitosi nelle infezioni sperimentali da stafilococco piogeno aureo. Ann. clin. med., Pal., 1926, **16:** 249–81.—**Dingle, J. H., Hoff, H. E.** [et al.] The effect of Staphylococcus aureus exotoxin on the rabbit heart. J. Pharm. Exp. Ther., 1937, **61:** 121–9.—**Dohmen, A.** Scarlatiniforme Exantheme bei Infektionen mit dem Staphylococcus aureus haemolyticus. Klin. Wschr., 1938, **17:** 1689–91.—**Einaudi, M.** Ricerche sulla localizzazione elettiva dello stafilococco piogeno aureo dopo passaggi in vitro ed in vivo su pelle. Gior. batt. immun., 1933, **10:** 957–80.—**Ercoli, N., Lewis, M. N., & Harker, E. M.** The chemotherapeutic activity of sulfonamides in the Staphylococcus aureus infection of mice. J. Bact., Balt., 1944, **47:** 451.—**Fiorio, A.** Infezione sperimentale da stafilococco piogeno aureo. Gior. batt. immun., 1931, **6:** 635–58.—**Fischer, G., & McClure, L. E.** Penicillin therapy of Staphylococcus aureus hemolyticus infection in an allergic infant. J. Pediat., S. Louis, 1945, **27:** 436–41.—**Fitch, T. S. P.** Sulfathiazole in Staphylococcus aureus; epidural abscess with septicemia and pyemia. Arch. Pediat., N. Y., 1940, **57:** 119–24.—**Greenbaum, S. S., & Harkins, M. J.** Staphylocin: its use in Staphylococcus aureus infections of the skin. Urol. Cut. Rev., 1931, **35:** 776–82.—**Herrell, W. E., & Brown, A. E.** The clinical use of sulfamethylthiazol in infections caused by Staphylococcus aureus; preliminary report. Proc. Mayo Clin., 1939, **14:** 753–8.—**Hoffstadt, R. E., & Youmans, G. P.** Staphylococcus aureus; dissociation and its relation to infection and to immunity. J. Infect. Dis., 1932, **51:** 216–42.—**Jeffery, C. C., Sevitt, S., & Topley, E.** Acute osteomyelitis due to a penicillinase-producing Staphylococcus aureus. Lancet, Lond., 1949, **1:** 259–61.—**Kiang, S.** Staphylococcus aureus infection in new born infants; three case reports with autopsy findings. Chin. M. J., Chengtu Ed., 1942–43, **61A:** 158–60.—**Knott, F. A., & Blaikley, J. B.** The control of Staphylococcus aureus infections in a maternity department. J. Obst. Gyn. Brit. Empire, 1944, **51:** 386–400.—**Krock, F. H., & Chamberlain, C. T.** The clinical use of sulfamethylthiazol in infections caused by Staphylococcus aureus; case report. J. Arkansas M. Soc., 1939–40, **36:** 247.—**McBryde, A.** Hemolytic staphylococcus pneumonia in early infancy; response to penicillin therapy. Am. J. Dis. Child., 1944, **68:** 271.—**Michael, M., jr.** Staphylococcus aureus pneumonia; with special reference to its occurrence as a complication of influenza. J. Am. M. Ass., 1942, **118:** 869–74.—**Nutini, L. G., & Lynch, E. M.** Effect of tissue extracts in controlling Staphylococcus aureus infections. Nature, Lond., 1945, **156:** 419. ——— Comparative action of an extract of brain tissue and penicillin on Staphylococcus aureus infections. J. Bact., Balt., 1946, **52:** 681–4.—**Osgood, E. E., Joski, J., & Brownlee, I. E.** The superiority of neoarsphenamine and sulfathiazol in the therapy of Staphylococcus aureus infections in marrow cultures. Surg. Gyn. Obst., 1940, **71:** 445–50.—**Pardo, E. A.** Historia de un caso mas para servir al estudio de la estafilococia dorada del recién nacido. Rev. obst., B. Air., 1905, **3:** 127–36.—**Peracino, M.** Infezione da stafilococchi piogeni aurei e narcosi etcrea. Gior. batt. immun., 1934, **13:** 901–10.—**Rolla, C.** Contributo allo studio dell' infezione da stafilococco piogeno aureo. Ann. Ist. Maragliano, Genova, 1908–09, **3:** 311–8.—**Simizu, M.** Ueber Einfluss des Staphylococcus aureus auf B-Avitaminose. J. Chosen M. Ass., 1936, **26:** 19.—**Stevens, F. A.** The occurrence of staphylococcus aureus infection with a scarlatiniform rash. J. Am. M. Ass., 1927, **88:** 1957.

—— Pathogenicity.

Abe, T. Ueber die Proteasenwirkung von Staphylococcus pyogenes aureus. Tohoku J. Exp. M., 1947, **49:** 33–7.—**Fiorio, C.** Die Wirkung des Staphylococcus pyogenes aureus auf den Glukosestoffwechsel. Wien. med. Wschr., 1943, **93:** 184 (Abstr.)—**Geisse, A.** Erziclung pathogener Eigenschaften bei saprophytischen Staphylokokken. Zschr. Hyg., 1914, **77:** 482–94.—**Hoff, H. E., Dingle, J., & Nahum, L. H.** The effect of staphylococcus aureus toxin on the heart. Am. J. Physiol., 1937, **119:** 337.—**Johnson, A., & Siebert, W. J.** Injections of caffeine and adrenalin and subsequently staphylococcus aureus suspensions on myocardium and endocardium. Proc. Soc. Exp. Biol., N. Y., 1926–27, **24:** 726.—**Kisi, S.** Erforschung über die virulizide Wirkung des sogenannten Antivirus von Staphylococcus pyogenes aureus. Jap. J. M. Sc., 1934–36, **4:** Surg., 177.—**Lieb, F., & Nothhacksberger, W.** Ueber Plasmagerinnung durch Wirkung des Staphylokokkus pyogenes aureus. Arch. Hyg., Münch., 1943, **131:** 31–4.—**Ligas, A., & Trasino, M.** Sul pneumotropismo sperimentale dello stafilococco aureo. Boll. Soc. ital. biol. sper., 1942, **17:** 495.—**Menkin, V., & Walston, H. D.** Rôle of coagulating principle of Staphylococcus aureus in relation to invasiveness of this microorganism. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32:** 1259–63.—**Thompson, R. H. S., & Dubos, R. J.** Production of experimental osteomyelitis in rabbits by intravenous injection of Staphylococcus aureus. J. Exp. M., 1938, **68:** 191–206, 2 pl.—**Weld, J. T. P., & Gunther, A.** Differentiation between certain toxic properties of filtrates of hemolytic Staphylococcus aureus. Ibid., 1931, **54:** 315–22.

—— Resistance and virulence.

Abraham, E. P. The effect of mycophenolic acid on the growth of Staphylococcus aureus in heart broth. Biochem. J., Lond., 1945, **39:** 398–408. ——— **Callow, D., & Gilliver, K.** Adaptation of Staphylococcus aureus to growth in the presence of certain antibiotics. Nature, Lond., 1946, **158:** 818–21.—**Bach, D.** Sur la destruction des déshydrogénases du staphylocoque doré par la chaleur; action protectrice du substrat. C. rend. Acad. sc., 1937, **204:** 158–60. ——— & **Lambert, J.** Action de quelques antiseptiques sur la lactico-déshydrogénase du staphylocoque doré. C. rend. Soc. biol., 1937, **126:** 298–300. ——— Action des anesthésiques et des hypnotiques sur les déshydroxygénases du staphylocoque doré. Bull. Soc. chim. biol., Par., 1938, **20:** 679; 818.—**Borgen, L. O.** To penicillinresistente staphylococcus aureus-stammer. Nord. med., 1947, **34:** 1259.—**Cramer, D. L.** The mode of action of nitrofuran compounds; application of physicochemical methods to the study of action against Staphylococcus aureus. J. Bact., Balt., 1947, **54:** 119–25.—**Faguet, M.** Obtension d'un Staphylococcus aureus résistant à la pénicilline et étude de ses caractères. Ann. Inst. Pasteur, Par., 1948, **74:** 451–7.—**Flocks, R., Fellowes, O. N., & Kerr, H. D.** The combined action of Roentgen rays and sulfanilamide on Staphylococcus aureus. Am. J. Roentg., 1940, **44:** 115.—**Frieden, E. H., & Frazier, C. N.** The effects of various agents upon the sensitivity of Staphylococcus aureus to penicillin. Arch. Biochem., N. Y., 1947, **15:** 265–78.—**Gale, E. F.** Correlation between penicillin resistance and assimilation affinity in Staphylococcus aureus. Nature, Lond., 1947, **160:** 407. Also Biochem. J., Lond., 1948, **42:** Suppl., p. i. ——— & **Rodwell, A. W.** The assimilation of amino-acids by bacteria; the nature of resistance to penicillin in Staphylococcus aureus. J. Gen. Microb., Lond., 1949, **3:** 127–42, pl.—**Gale, E. F., & Taylor, E. S.** The assimilation of amino-acids by bacteria; the action of penicillin in preventing the assimilation of glutamic acid by Staphylococcus aureus. Ibid., 1947, **1:** 314–26.—**Grossowicz, N.** Glutamine, an antimetabolite for Staphylococcus aureus. J. Biol. Chem., 1948, **173:** 729–36.—**Grubb, T. C., & Edwards, M. A.** A method for restoring and maintaining the phenol resistance of certain strains of Staphylococcus aureus. J. Bact., Balt., 1946, **51:** 205–10.—**Hoerlein, B. F.** The inhibiting effect of normal serum and its gamma globulin fraction upon the variation of Staphylococcus aureus. Ibid., 1948, **56:** 139.—**Klimek, J. W., Cavallito, C. J., & Bailey, J. H.** Induced resistance of Staphylococcus aureus to antibiotics. Ibid., 1946, **51:** 580; 1948, **55:** 139–45.—**Latarjet, R., & Sournia, J.** Diminution chronologique de la résistance du staphylocoque doré aux rayons ultra-violets. C. rend. Soc. biol., 1939, **132:** 570–3.—**Laurell, A.** The effect of physiological salt solution on Staphylococcus pyogenes aureus. Acta path. microb. scand., 1933, Suppl. 16, 204–18.—**Mallmann, W. L., Leavitt, A., & Joslyn, D. A.** Effect of medium on resistance of Staphylococcus aureus to quaternary ammonium compounds. Proc. Soc. Exp. Biol., N. Y., 1948, **68:** 401–3.—**Morton, H. E., & Baralt Perez, M. J.** Staphylococcus aureus; drug-fastness studies with penicillin and sulfactin. Ibid., **69:** 26–9. **Nutini, L. G., &**

Lynch, E. M. Further studies on effects of tissue extracts on Staphylococcus aureus. J. Exp. M., 1946, **84**: 247–61. ——— Response of penicillin-resistant strains of Staphylococcus aureus to extract of beef brain. Fed. Proc., Balt., 1947, **6**: 281.—**Plough, H. H.** Penicillin resistance of Staphylococcus aureus and its clinical implications. Am. J. Clin. Path., 1945, **15**: 446–51.—**Poston, M. A.** Comparison of in-vitro effectiveness of various sulfonamides on 110 strains of Staphylococcus aureus. J. Bact., Balt., 1942, **43**: 74.—**Quisno, R., Foter, M. J., & Gibby, I. W.** A technique for maintaining standard phenolic resistance of Staphylococcus aureus. Ibid., 1946, **52**: 499.—**Rake, G., & McKee, C. M.** Action of sulfathiazole and sulfamethylthiazole on Staphylococcus aureus. Proc. Soc. Exp. Biol., N. Y., 1940, **43**: 561–4.—**Rammelkamp, C. H.** Observations on resistance of Staphylococcus aureus to action of tyrothricin. Ibid., 1942, **49**: 346–50. ——— & **Keefer, C. S.** Sulfathiazole; effect on Staphylococcus aureus in vitro. Ibid. 1940, **43**: 664–8.—**Reddish, G. F., & Burlingame, E. M.** The effect of peptone on the resistance of Staphylococcus aureus. J. Am. Pharm. Ass., 1938, **27**: 331–4. ——— & **Wood, L. B.** Resistance of Staphylococcus aureus cultured in semi-synthetic and F. D. A. media. Am. J. Pharm., 1946, **118**: 4–10.—**Serra, G.** Ricerche sulla distribuzione dei germi e sul potere battericida nella infezione sperimentale di stafilococco piogeno aureo in conigli preventivamente trattati con iniezioni di piccole dosi di arsenobenzolo. Dermosifilografo, 1935, **10**: 36–43. ——— Ulteriore contributo allo studio del potere battericida esercitato in vitro dall'arseno-benzolo sullo stafilococco piogeno aureo. Ibid., 171–7.—**Sevag, M. G., & Green, M. N.** The mechanism of resistance to sulfonamides; factors controlling the formation of arylamine from tryptophane by Staphylococcus aureus. J. Bact., Balt., 1944, **48**: 615–22.—**Stone, W. S., Wyss, O., & Haas, F.** The production of mutations in Staphylococcus aureus by irradiation of the substrate. Proc. Nat. Acad. Sc. U. S., 1947, **33**: 59–66.—**Sullivan, M., Stahly, G. L.** [et al.] Reciprocal sensitivities of Staphylococcus aureus to streptomycin, streptothricin, and penicillin. Science, 1946, **104**: 397.—**Tobler, A. B., & Pinner, M.** The effects of pleural effusions on the growth of Staphylococcus aureus in vitro. J. Bact., Balt., 1942, **43**: 104.—**Vicher, E. E., Meyer, E., & Gathercoal, E. N.** Phenol resistance of Staphylococcus aureus. J. Am. Pharm. Ass., 1937, **26**: 590–3.—**Warmer, H., & Amluxen, J.** Comparison of in vitro and in vivo penicillin resistance of a strain of hemolytic Staphylococcus aureus. J. Laborat. Clin. M., 1945, **30**: 419–21.—**West, R., & Coburn, A. F.** The relationship of sulfapyridine, nicotinic acid, and coenzymes to the growth of Staphylococcus aureus. J. Exp. M., 1940, **72**: 91–7.—**Youmans, G. P., & Delves, E.** The effect of inorganic salts on the production of small colony variants by Staphylococcus aureus. J. Bact., Balt., 1942, **44**: 127–36.—**Zambruno, D.** Azione della colchicina, della narcotina, e dell'androstendione sulla moltiplicazione dello Staphylococcus aureus. Gior. batt. immun., 1946, **34**: 55–7.

—— Sepsis.

See also **Micrococcus sepsis**; also **Puerperal infection.**

DEBOOS, P. *Contribution à l'étude du traitement des septicémies à staphylocoque doré par la pénicilline. 55p. 24cm. Par., 1946.

Apert, E., & Porak, R. Septicémie à staphylocoque doré, abcès miliaire et cavernes dans les poumons et les reins. Bull. Soc. méd. hôp. Paris, 1911, 3. ser., **32**: 149–52.—**Barnstein, N. J.** Staphylococcus aureus septicemia, chemotherapy. Jackson Clin. Bull., Madison, 1940, **2**: 40.—**Blumberg.** Staphylococcus aureus septicemia. Arch. Pediat., N. Y., 1943, **60**: 580–2.—**Bréhant, J.** Septicopyohémie à staphylocoque doré. Mém. Acad. chir., Par., 1936, **62**: 1110.—**Burford, T. H., Samson, P. C.** [et al.] Recovery from hemolytic Staphylococcus aureus bacteremia attributed to penicillin therapy; case report. J. Thorac. Surg., 1945, **14**: 483–6.—**Cabot, R. C., & Richardson.** [Septicemia, staphylococcus aureus.] Case Rec. Massachusetts Gen. Hosp., 1920, **6**: No. 40, pt 1, 1–6.—**Cochrane, R. F.** Staphylococcus aureus septicemia following abortion; report of a case, with autopsy. Nicollet Clin. Bull., 1941–42, **2**: 33.—**Cohen, S., & Austin, R.** Mycotic aneurysm of the aorta, chronic suppurative osteomyelitis and pyarthrosis, psoas abscess and chronic suppurative cellulitis; organizing sero-fibrinous pericarditis; miliary abscesses of kidneys and spleen (staphylococcus aureus septicemia) Cincinnati J. M., 1946, **27**: 447–54.—**Corner, B. D.** Staphylococcus aureus septicemia with recovery, treated with M & B 693. Proc. R. Soc. M., Lond., 1939–40, **33**: Sect. Stud. Dis. Child., 627.—**Cresson.** Trois cas de septicémies prolongées provoquées par le staphylocoque doré. Bull. Soc. chir. Paris, 1937, **29**: 69–73.—**Dowd, J. F.** Staphylococcus aureus septicemia treated with sulfamethylthiazol; report of two cases. J. Missouri M. Ass., 1940, **37**: 358–60.—**Dudgeon, L. S., & Goadby, H. K.** The examination of the tissues and some observations on the blood platelets of rabbits at intervals of five minutes, and later, after intravenous inoculations of Staphylococcus aureus and indian ink. J. Hyg., Cambr., 1931, **31**: 247–56, 3 pl.—**Farber, H. W.** A case of staphylococcus aureus septicemia treated with sulfamethylthiazol. South. M. & S., 1940, **102**: 352–4.—**Flandin, C., & Chapuis, J. L.** Septicémie à staphylocoques dorés mortelle à la suite d'une injection de 4 cc. de propidon pour un anthrax de la région sacrée. Bull. Soc. méd. hôp. Paris, 1943, **59**: 408.—**Girard, M., Viallier** [et al.] Réactivation de la séro-agglutination typhoïdique chez un ancien vacciné, au cours d'une septicémie à staphylocoques. Lyon méd., 1948, **179**: 232–5.—**Goldberg, S. L., & Sachs, A.** Sulfapyridine in the treatment of Staphylococcus aureus bacteremia. J. Am. M. Ass., 1939, **113**: 1639–41.—**Grenet, H., Gautheron & Saulnier.** Septicémie et méningite à staphylocoque doré. Bull. Soc. pédiat. Paris, 1939–40, **37**: 574–8.—**Impink, R. R., Denhoff, E., & Vanderveer, J. B.** Staphylococcus aureus septicemia, with osteomyelitis, pneumonia, and acute purulent pericarditis. Am. Heart J., 1943, **26**: 699–708.—**LeCocq, E.** The use of neosalvarsan in the treatment of acute osteomyelitis and blood stream infections caused by the Staphylococcus aureus. West. J. Surg., 1936, **44**: 655–7.—**Lehmann, O.** Fulminating staphylococcus aureus sepsis treated with staphylococcus antitoxin and sulfapyridine. J. Mount Sinai Hosp. N. York, 1939–40, **6**: 338–41.—**Lenti, G.** Modificazioni nci batteri coltivati su agar-organi; contegno della setticemia da Stafilococco aureo coltivato su agar fegato. Gior. batt. immun., 1947, **37**: 38–48.—**Likely, D. S., & Swirsky, M. Y.** Staphylococcus aureus septicemia treated with penicillin. J. Am. M. Ass., 1943, **123**: 956–8.—**Mackay-Dick, J.** A case of septicaemia, haemolytic Staphylococcus aureus, confused with clinical hepatic amoebiasis. J. R. Army M. Corps, 1948, **90**: 171.—**Mackenzie, G. M.** Scarlatiniform eruption followed by desquamation, associated with Staphylococcus aureus bacteriemia. In: Clin. Misc. Bassett Hosp., 1934, **1**: 48–52.—**MacNeal,** Staphylococcus aureus septicemia; a preliminary report. Univ. Hosp. Bull., Ann Arb., 1939, **5**: 58.—**Mathew, P. W., & Shera, A. G.** Staphylococcus aureus haemolyticus septicaemia successfully treated with thiazamide. Brit. M. J., 1942, **1**: 258.—**Mathew, R. Y.** The Staphylococcus aureus as the probable cause of a fatal disease simulating laryngeal diphtheria. Med. J. Australia, 1930, **1**: 34–6.—**Miley, G.** Disappearance of hemolytic staphylococcus aureus septicemia following ultraviolet blood irradiation, Knott technic. Am. J. Surg., 1943, **62**: 241–5.—**Mitchell, O. W. H., & Chapman, O. D.** Staphylococcus aureus septicemia. N. York State J. M., 1940, **40**: 1308–11.—**Mondon, H., Pirot, R.** [et al.] Septicémie à staphylocoque doré hémolytique; guérison par le traitement sulfamidé. Bull. Soc. méd. hôp. Paris, 1942–43, **58**: 443.—**Parker, J. T., Hopkins, J. G., & Gunther, A.** Further studies on the production of Staphylococcus aureus toxin. Proc. Soc. Exp. Biol., N. Y., 1925–26, **23**: 344–6.—**Patrick, A.** Staphylococcus aureus septicaemia; as a complication of influenza in an epidemic in Malta. Lancet, Lond., 1919, **1**: 137.—**Preti, L.** Stafilococcemia da stafilococco aureo con localizzazioni all'endocardio, ai reni, ai polmoni, alla pleura, alla prostata. Gior. clin. med., 1935, **16**: 1–6.—**Rammelkamp, C. H., & Keefer, C. S.** Sulfathiazole therapy of staphylococcus aureus bacteremia. N. England J. M., 1940, **223**: 877–85.—**Schwartz, B.**—The successful treatment of a case of staphylococcus aureus septicemia with sulfathiazole. Bull. Buncombe Co. M. Soc., 1941, **5**: No. 3, 15–8.—**Silverthorne, N.** Penicillin in the treatment of haemolytic staphylococcal septicaemia. Canad. M. Ass. J., 1943, **49**: 516.—**Skinner, D., & Keefer, C. S.** Significance of bacteremia caused by Staphylococcus aureus; a study of 122 cases and a review of the literature concerned with experimental infection in animals. Arch. Int. M., 1941, **68**: 851–75.—**Stevenson, H.** A case of staphylococcus aureus septicaemia with multiple haematogenous pneumonic areas, spontaneous pneumothorax, pyaemic abscess in medulla; recovery under penicillin therapy. Guy's Hosp. Rep., Lond., 1947, **96**: 237–43, 4 pl.—**Thompson, G. J., & Buchtel, H. A.** Septicemia caused by Staphylococcus aureus; spontaneous recovery. Proc. Mayo Clin., 1936, **11**: 193–5.—**Verge.** Traitement d'un cas de septicémie à staphylocoque doré. Union méd. Canada, 1941, **70**: 1258.—**Zimmerman, J. J., & Durgin, B.** Staphylococcus aureus septicemia and pericarditis treated with penicillin. Am. Heart J., 1946, **31**: 93–7.

—— Toxin.

See also subheading Antigenicity and antibodies.

Burnet, F. M. The exotoxins of Staphylococcus pyogenes aureus. J. Path. Bact., Edinb., 1929, **32**: 717–34.—**Glahn, W. C., & Weld, J. T.** The effect of Staphylococcus aureus toxin on the kidney. J. Exp. M., 1935, **61**: 1–8, pl.—**Inoue, S.** Studien über die giftigen Leibessubstanzen von Staphylococcus aureus. Tohoku J. Exp. M., 1942, **43**: 1; 176—**Kellaway, C. H., Burnet, F. M., & Williams, F. E.** The pharmacological action of the exotoxin of Staphylococcus aureus. J. Path. Bact., Edinb., 1930, **33**: 889–912.—**Morimoto, T.** Osyoku budōzyō-kyūkin no dokuso sansei to baiyō yōyaku to no kanren ni tuite. Nagasaki igakkai zassi, 1935, **13**: 748–60.—**Okitu, W.** Studien über das Toxin des Staphylococcus aureus. J. Chosen M. Ass., 1927, No. 77, 64–86.—**Stokinger, H. E., Ackerman, H., & Carpenter, C. M.** The pH-stability of toxic filtrates of Staphylococcus aureus and certain species of the genus Clostridium. J. Bact., Balt., 1941, **42**: 135.—**Weld, J. T., & Mitchell, L. C.** Agglutination of rabbit leucocytes by staphylococcus aureus toxin. Proc. Soc. Exp. Biol., N. Y., 1942, **49**: 370–4.

MICROCOCCUS pyogenes (var. citreus)

See **Micrococcus.** M. citreus.

MICROCOCCUS sepsis.

See also **Micrococcosis; Micrococcus pyogenes** (var. albus) Sepsis; **Micrococcus pyogenes** (var. aureus) Sepsis; **Pyemia; Sepsis,** Bacteriology.

FELSENTHAL, W. *Ueber Staphylokokkensepsis [Frankfurt] p.185–262. 8° Jena, 1930.

Also Mitt. Grenzgeb. Med. Chir., 1930, **42:**

Alison, M. Septicémies à staphylocoques. Inter Exter, Par., 1947, **1:** No. 8, 21.—**Almeida Prado, A. de.** Septico-pyohemia estaphylococcica. In his Liç. conf. clin. med., S. Paulo, 1934, 8–23.—**Bariéty, M.** Septicémies à staphylocoque. Bull. méd., Par., 1938, **52:** No. 29, Suppl., 1–3.—**Beddard, A. P.** Staphylococcal septicæmia. Guy's Hosp. Gaz., Lond., 1926 **40:** 1035.—**Bouduin.** Septicémie à staphylocoque. J. méd. Paris, 1938, **58:** 244–6.—**Brookbank, E. B.** Staphylococcic septicemia. Med. Sentinel, 1930, **38:** 9–12.—**Cohn, B.** Staphylokokken-Sepsis. Med. Klin., Berl., 1931, **27:** 243.—**Dupérié.** Septicémie staphylococcique. J. méd. Bordeaux, 1911, **41:** 699.—**Generalised** staphylococcal infection. Lancet, Lond., 1939, **2:** 1076.—**González Suárez.** Septicemia estafilocócica pura. Med. ibera, 1933, **27:** pt 1, 830.—**Gupta, S. P.** Staphylococcal septicaemia. J. Ind. M. Ass., 1946–47, **16:** 121.—**Keeler, H. R.** Staphylococcus septicemia. J. Chemother., 1932, **9:** 4–11.—**Larue, L.** Septicémies à staphylocoques. Laval méd., Québec, 1936, **1:** 182.—**La Torre.** Septicemias estafilocóccicas. Sugestiones. Méx., 1947–48, **13:** No. 153, 100–2. ——— **Uranga Prado, H., & Alvarez Hernández, P.** Septicemia estafilocóccica. Bol. méd. Hosp. inf., Méx., 1948, **5:** 352–62.—**Lemierre, A., & Worms, R.** Septicémies staphylococciques. In: Traité d. méd., Par., 1948, **1:** 68–92.—**Lowenstein, P. S.** Staphylococcus septicemia. Am. J. M. Sc., 1931, **181:** 196–203.—**Ludbrook, S. L.** Staphylococcal septicaemia. N. Zealand M. J., 1943, **42:** 229.—**Millet, J.** Septicémie staphylococcique. Union méd. Canada, 1935, **64:** 400–6.—**Quervain, de.** Staphylokokkenpyämie. Korbl. Schweiz. Aerzte, 1918, **48:** 149.—**Reed, A. C., & Stiles, F. E.** Staphylococcus septicemia. California West. M., 1927, **26:** 492.—**Salveraglio, F. J.** Las estafilococemias. An. Clín. enferm. infecc., Montev., 1940–42, **2:** 65–79.—**Stookey, P. F., & Scarpellino, L. A.** Staphylococcus septicemia. South. M. J., 1939, **32:** 173–9.—**Sutherland, R. T.** Staphylococcic septicemia. Arch. Int. M., 1940, **66:** 1–10.—**Torroella, E.** Septico-piohemia estafilocóccica. In his Lecc. clín. quir., Habana, 1944, 956–69.

—— Bacteriology.

See also under specific name of microbe as **Micrococcus,** M. epidermidis; **Micrococcus pyogenes** (var. aureus) Sepsis.

Bourges, H., Langelin, R., & Joly, P. R. Septicémie à microcoque (diplococcémie) Rev. gén. clin. thér., 1915, **29:** 831.—**Cantor, I. B.** Staphylococcus hemolyticus bacteremia; report of case with recovery. J. M. Ass. Georgia, 1946, **35:** 328–30.—**Lemierre, A.** Sur un cas de septicémie à staphylocoques anaérobies. Bull. méd., Par., 1948, **62:** 441–4.—**Mach, R. S., & Mach, E.** Bacillémie tuberculeuse muette seconde au cours d'une septicémie à staphylocoques. Bull. Soc. méd. hôp. Paris, 1933, 3. ser., **49:** 1199–202.—**Roberts, C. G.** Septicopyemia due to Staphylococcus hemolyticus. Am. J. Surg., 1931, n. ser., **12:** 76–9.—**Wolfe, A. G.** Hemolytic staphylococcus septicemia. Illinois M. J., 1941, **80:** 457–62.

—— Bones and joints.

See also **Osteomyelitis; Rheumatism.**

L'HONORÉ, P. *Contribution à l'étude des métastases ostéoarticulaires subaiguës dans les septicémies à staphylocoques. 74p. 8° Par., 1934.

RABINOVICI, J. H. *Contribution à l'étude des septicémies staphylococciques lentes à localisations ostéo-articulaires. 47p. 8° Par., 1935.

Baker, L. D. Acute osteomyelitis with staphylococcus septicemia; a clinical report on the use of chemotherapy and staphylococcus antitoxin in its treatment. South. M. J., 1941, **34:** 619–27.—**Bernard, A., & Basuyau, T.** Localisations rachidiennes des staphylococcémies. J. sc. méd. Lille, 1947, **65:** 455–61.—**Bosch Olives, V.** Focos óseos en la sepsis estafilocócica; apofisario y epifisario. Rev. españ. reumat., 1947–48, **2:** 496–501.—**Bourgeois, J., & Porin, J.** Forme pseudo-rhumatismale des staphylococcémies. Bull. méd., Par., 1931, **45:** 859–61.—**Curtillet & Aubaniac.** Une observation de septico-pyohémie staphylococcique à détermination osseuse chez l'adulte. Afrique fr. chir., 1948, 75–7.—**Debré, R., & Leveuf, J.** Ostéomyélites aiguës avec bactériémie et septicémies à staphylocoques. Presse méd., 1939, **47:** 361–4.—**Gennes, L. de, Bricaire, H.** [et al.] Ostéite condensante, pseudo-néoplasique, au cours d'une septicémie à staphylocoques. Bull. Soc. méd. hôp. Paris, 1946, **62:** 466.—**Gennes, L. de, Worms** [et al.] Septicémie staphylococcique lente à localisations ostéo-articulaires. Ibid., 1934, 3. ser., 1634–40.—**Grenet, H., Levent, R., & Isaac-Georges, P.** Septicémie staphylococcique à forme rhumatismale. Bull. Soc. pédiat. Paris, 1939–40, **37:** 571–4.—**Hart, F. D.** Acute rheumatism occurring in the course of a staphylococcal septicaemia. Proc. R. Soc. M., Lond., 1937–38, **31:** 357.—**Kendrick, J. I.** Staphylococcus septicemia with septic arthritis of the knee treated with sulfapyridine; report of a case. Cleveland Clin. Q., 1940, **7:** 35.—**Lattès, A., & Péroz, A.** A propos d'un cas de staphylococcémie consécutive à une ostéite diffuse du maxillaire supérieur. Rev. stomat., Par., 1929, **31:** 92–8.—**Leveuf, J.** Formes bactériémiques des ostéomyélites aiguës et septicémies à staphylocoques. P. verb. Congr. fr. chir., 1938, 47. Congr., 537–47.—**Rocher, H. L., & Villar, H.** Pyo-septicémie staphylococcique consécutive à une ostéomyélite bipolaire du tibia. J. méd. Bordeaux, 1913, **43:** 517.

—— Cardiovascular system.

See also **Endocarditis,** Bacteriology.

Anderson, W. L. Staphylococcic septicemia and endocarditis; report of a recovered case. Harper Hosp. Bull., Detr., 1941–42, **1:** 84.—**Ehrich, W., Wohlrab, R., & Voigt, W.** Ueber die Reaktionen des Gefässbindegewebsapparates auf intravenöse Staphylokokkeninjektionen und ihre Bedeutung. Beitr. path. Anat., 1934, **93:** 321–70, pl.—**Hiller, K.** Staphylococcal septicaemia with ulcerative endocarditis of the tricuspid valve following on a boil. Melbourne Hosp. Clin. Rep., 1932, **3:** 33.—**Lombard, P.** Trois cas de septicémie staphylococcique suraiguë; les thromboses artérielles dues au staphylocoque. Algérie méd., 1941, 4. ser., **45:** 2–5.—**McDermott, V. T.** Report of a case of staphyloccic bacteremia with endocarditis and myocarditis treated successfully with penicillin. Med. Bull. North Afr. Theater U. S., 1944, **2:** 10–2.—**Velasco Mora, G., Weinstein R. F.** [et al.] Septicemia estafilocócica; endocarditis bacteriana aguda; curación con penicilina. Rev. méd. Chile, 1945, **73:** 1086–9.—**Rigdon, R. H.** Capillary permeability and inflammation in rabbits with staphylococcic septicemia; an experimental study. Arch. Surg., 1942, **44:** 129–38.—**Walton, C. H. A.** A cured case of staphylococcal septicaemia with endocarditis. Manitoba M. Rev., 1947, **27:** 583.

—— Cases.

Arís, J. Septicemia estafilocócica. Rev. méd. Barcelona, 1927, 2. ser., **8:** 239–45.—**Ben Salem.** A propos de deux cas de septicémie à staphylocoques. Tunis. méd., 1948, **36:** 384–6.—**Bourrat, L., & Vincent, M.** Septico-pyohémie et infection générale à staphylocoques chez l'adulte. Lyon méd., 1931, **147:** 37–41.—**Dérot, M., Canivet, J., & Lefort, J.** Staphylococcie maligne de la face avec thrombo-phlébite du sinus caverneux, méningite staphylococcique et séquelles de paralysie oculaire; guérison par les sulfamides malgré accident anurique. Bull. Soc. méd. hôp. Paris, 1946, **62:** 479–81.—**Gasperini, U., & Edel, L.** Stafilococcemia o i misfatti di un callo. Fracastoro, 1910, **6:** 23–5.—**Graham, J. A.** Presentation of a case of staphyloccic septicemia. Proc. Univ. Hosp. Oklahoma School M., 1940–41, **1:** No. 2, 110.—**Greengard, J.** Staphylococcic septicemia. Am. J. Dis. Child., 1945, **69:** 60.—**Guimarães, A. G.** Sobre um caso de septicemia estaphylococcica. Ann. paul. med. cir., 1919, **10:** 258. ——— Sobre dois casos de septicemia estaphylococcica (appendicite hematogenica; broncho-pneumonia, derrame purulento) Brasil med., 1919, **33:** 269.—**Gupta, S. P.** A case of staphylococcal septicaemia. J. Ind. M. Ass., 1937–38, **7:** 659.—**Hamilton, J. W., & Price, L. W.** An unusual case of staphylococcal pyaemia. Glasgow M. J., 1941, **136:** 33–40, 2 pl.—**Hosford, B. B.** Four cases of staphylococcal septicæmia. West London M. J., 1929, **34:** 100–4.—**Larue, L., & Patry, L.** Un cas de septicémie à staphylocoques. Bull. Soc. méd. hôp. Québec, 1935, 341–3.—**Léo, G.** De l'hémoculture positive avec staphylocoques. Bull. Soc. chir. Paris, 1929, **21:** 761–5.—**Lindborg, B.** Fall av staphylococcsepsis. Nord. med., 1941, **10:** 1567.—**McCleave, T. C.** A case of staphylococcus septicemia. Tr. Am. Ther. Soc. (1928) 1930, **28:** 40–3.—**MacNeal, W. J., Frisbee, F. C., & McRae, M. A.** Staphylococcemia 1931–40; five hundred patients. Am. J. Clin. Path., 1942, **12:** 281–94.—**Massias, C.** Quatre cas de septicémie staphylococcique. Rev. gén. clin. thér., 1934, **48:** 581–4.—**Mendell, T. H.** Staphylococcic septicemia; a review of 35 cases, with six recoveries, 29 deaths and 16 autopsies. Arch. Int. M., 1939, **63:** 1068–84.—**Menéndez, P.** Septicemia estafilocóccica médica. Gac. méd. Occidente, S. Ana, 1945–46, **8:** 1633–7.—**Merino Reyna, A.** Séptico-piohemia estafilocócica. Gac. peru. cir. med., 1939–40, **2:** No. 13, 11–5.—**Monnier, U.** Contribution à l'étude des septicémies staphylococciques: à propos d'un cas de staphylococcémie. J. méd. chir., Par., 1919, **90:** 49–66.—**Morris, J. F.** Staphylococcus septicemia; case report. West Virginia M. J., 1939, **35:** 186.—**Mouisset, M., & Delachanal, J.** Septicémie staphylococcique avec pseudo-rhumatisme et méningite cérébro-spinale. J. physiol. path. gén., 1911, **13:** 581–8.—**Nestor, N. I., & Vasilescu, G.** Un caz de septicemie stafilococcică. Spitalul, 1913, **33:** 445–8.—**Raybaud, A., & Cousin, J.** A propos d'une septicémie à staphylocoques. Marseille méd., 1934, **71:** 413–6.—**Rouslacroix & Giraud, E.** Septicémie mortelle à staphylocoque; haute virulence du germe pour le lapin. C. rend. Soc. biol., 1927, **96:** 47–9.—**Russum, B. C.** Staphylococcus septicemia; clinico-pathological presentation of three cases, two with autopsy findings. Nebraska M. J., 1926, **11:** 214–9.—**Sarrouy, Prost & Ferrand.** Un cas de septicémie à staphylocoques. Algérie méd., 1948, **51:** 161–4.—**Tait, J. T., & Bolton, J. H.** A case of staphylococcal septicaemia with recovery. Melbourne Hosp.

Clin. Rep., 1934, 5: 50–5.—**Vires, J., Deshons, A.** [et al.] Sur un cas de staphylococcémie suraiguë. Arch. Soc. sc. méd. biol. Montpellier, 1934–35, **16**: 390–6.—**Wooley, I. M.** Staphylococcic septicemia; report of a case with complete recovery. Arch. Pediat., N. Y., 1929, **46**: 741–8.

—— chronic.

NEDELKOFF, S. I. *Contribution à l'étude des septicopyohémies staphylococciques à évolution prolongée. 64p. 8° Par., 1932.

Arnaud, M. A propos des septicémies à staphylocoques et à évolution chronique et prolongée. Mém. Acad. chir., Par., 1937, **63**: 240–4.—**Bovier, M.** Réflexions sur le staphylocoque; à propos d'une septicémie à staphylocoques suivie depuis neufs ans. Bull. Soc. chir., Par., 1936, **28**: 557–63.—**Masselot, F., & Fleury de la Ruelle, R.** Staphylococcie prolongée à foyers successifs. Gaz. méd. France, 1931, 278.—**Oury, P., & Le Bars, L.** Les septico-pyohémies staphylococciques chroniques à évolution prolongée. Presse méd., 1935, **43**: 161–3.—**Perrin, E., & Duroux, P. E.** Une observation typique de septico-pyohémie chronique à staphylocoque. Lyon chir., 1943, **38**: 291–4.—**Raiga, A.** Deux septicémies à staphylocoque guéries depuis quatre et cinq ans; le processus de la guérison naturelle et son utilisation thérapeutique. Bull. Soc. chir. Paris, 1937, **29**: 102–13.—**Rebeck, P.** Setticopiemia stafilococcica cronica. Clinica, Bologna, 1936, **2**: 12–22.

—— Clinical aspect.

CORCUFF, B. *Contribution à l'étude des septicémies à staphylocoques. 66p. 8° Par., 1937.

DESROSIERS, L. C. *Contribution à l'étude des septicémies à staphylocoques. 97p. 8° Par., 1935.

FIESCHI, P. *Contribution à l'étude des septicémies staphylococciques. 56p. 24½cm. Par., 1939.

GIROIRE, H. *Contribution à l'étude clinique et anatomie-pathologique des septicémies staphylococciques malignes. 124p. 8° Par., 1926.

MAILLIEZ, A. *Contribution à l'étude clinique des septicémies staphylococciques. 56p. 24½cm. Par., 1939.

George, P., & Giroire, H. A propos de faits nouveaux de staphylococcémies: étude clinique et anatomo-pathologique. Presse méd., 1926, **34**: 611–5.—**Kleiger, B., & Blair, J. E.** Correlation between clinical and experimental findings in cases of invasion of the blood stream by staphylococci. Arch. Path., Chic., 1940, **30**: 640–2.—**Ryle, J. A.** Staphylococcal fever. Clin. J., Lond., 1930, **59**: 493; 511. ——— The natural history, prognosis and treatment of staphylococcal fever. Guy's Hosp. Rep., Lond., 1930, **80**: 137–52.—**Schulten, H.** Ueber verschiedene Formen der Allgemeininfektion mit Staphylokokken. Münch. med. Wschr., 1929, **76**: 1161–3.—**Vandini, D.** Contributo alla conoscenza della stafilococcemia. Gazz. osp., 1912, **33**: 273–6.—**Worms, R.** Formes cliniques des septicémies staphylococciques. Prat. méd. fr., 1935, **16**: 332–7.

—— Diagnosis.

Hueber, E. Vorstellung eines Patienten mit dem Krankheitsbild einer Dermatomyositis. Wien. med. Wschr., 1942, **92**: 32.—**MacNeal, W. J., Frisbee, F. C., & McRae, M. A.** The criteria for diagnosis of staphylococcemia. Am. J. Clin. Path., 1941, **11**: 643–52.—**Rose, I.** Staphylococcal septicaemia simulating left perinephric abscess. Brit. M. J., 1940, **2**: 831.

—— Etiology.

See also such headings as **Face, Furuncle; Tonsillitis.**

Bardi, M. P. Un caso de estafilococcia consecutiva a un flemón de origen dentario tratada con penicilina. Rev. odont., B. Air., 1945, **33**: 130.—**Gözberk, R.** Sur un cas de septicémie à staphylocoques consécutive à une meibomite suppurée. Ann. ocul., Par., 1938, **175**: 159–65.—**Jutoran, M., & Matusevich, J.** Estafilococcemia con abscesos múltiples de origen amigdalino. Arch. Hosp. israel., B. Air., 1937, **1**: 101–4.—**Lacomme & Siguier.** Septicémie à staphylocoque au cours de la gestation. Gyn. obst., Par., 1942, **42**: 212.—**Lewin, C.** Ein Fall von kryptogenetischer Staphylokokkensepsis. Fortsch. Med., 1904, **22**: 1077.—**Murrah, T., Gilmour, M. T., & Kemmelstiel, P.** Staphylococcic septicemia of unusual origin. Bull. Charlotte Mem. Hosp., 1944, **1**: 5–8.—**Rock, J. E.** Staphylococcic septicemia, tonsillar in origin. J. Iowa M. Soc., 1944, **34**: 10–3.—**Sigurta, G. B.** Stafilococciemia da tromboflebite infettante? a proposito di un caso di operazione Freyer. Pensiero med., 1914, **4**: 225.

—— experimental.

De Blasi, A. La batteriemia sperimentale stafilococcica. Policlinico, 1938, **45**: sez. chir., 501–20.—**Ortiz Patto.** Antitoxina e septicemia experimental estafilocócicas. Bol. Inst. Vital Brasil, 1938, No. 20, 17–20.—**Sorkina, A. I.** [Experimental staphylococcic sepsis] Khirurgia, Moskva, 1944, No. 8, 29–32.

—— Hematopoietic system.

Donath, F. Ueber einen Fall von Staphylokokkensepsis mit subakut leukämischem Ausgang. Wien. klin. Wschr., 1929, **42**: 1470–3.—**Falkenberg, T.** Macrophages in the peripheral blood in staphylococcic sepsis. Acta path. microb. scand., 1947, **24**: 1–10.—**Glatt, A.** Ueber Penicillinwirkung bei einem Fall von Staphylokokken-Sepsis mit schwerer myeloischer Reaktion des Blutbildes. Wien. med. Wschr., 1947, **97**: 73.—**Loeper, M., & Loewe.** Staphylococcémie avec anémie, leucopénie et hypogranulocytose. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., **54**: 23–7.—**Lundholm, I.** Fall von Staphylokokkensepsis mit Entwicklung zu lymphatischer Leukämie. Acta pædiat., Upps., 1929, **9**: 137–53, pl.—**Reddick, G.** Staphylococcic septicemia with leukemoid blood picture; with a note on the origin of the basket cell. Dallas M. J., 1928, **14**: 129–31.—**Witts, L. J.** Staphylococcal septicaemia complicating Addison's anæmia. Guy's Hosp. Rep., Lond., 1930, **80**: 203–7.

—— Immunology and serology.

Abderhalden, R. Untersuchungen über das Auftreten und das Verhalten der Abwehrproteinasen im Verlauf der experimentellen Staphylokokkensepsis. Fermentforschung, 1942–44, **17**: 202–8.—**Di Grazia, A.** Effetti della reiniezione di germi sulla batteriemia stafilococcica sperimentale. Gior. batt. immun., 1936, **17**: 52–8.—**Storp, A.** Positiver Ausfall der WaR. im Verlauf einer Staphylokokkensepsis. Deut. med. Wschr., 1923, **49**: 1014.

—— Manifestation.

PÉTROFF, A. *Contribution à l'étude de staphylococcémies à formes douloureuses. 59p. 8° Par., 1932.

Kleiger, B., & Blair, J. E. Correlation between clinical and experimental findings in cases showing invasion of the blood stream by staphylococci. Surg. Gyn. Obst., 1940, **71**: 770–7.—**Steen, R. E.** Case of staphylococcal septicaemia with unusual features. Irish J. M. Sc., 1945, 126–8.—**Veccia, P.** Un caso di pseudo-tifoide da stafilococcemia senza localizzazioni. Tommasi, 1911, **6**: 331–4.

—— Nervous system.

ROSENFELD, J. *Contribution à l'étude des septicémies à staphylocoque et en particulier à leur forme méningée. 76p. 8° Par., 1929.

Bezançon, F., Weismann-Netter, R., & Destouches. Un cas de staphylococcémie avec méningite suppurée ayant abouti à la guérison. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., **52**: 1764–8.—**Carr, J. G.** Staphylococcic septicemia with meningitis. Med. Clin. N. America, 1931, **15**: 627–33.—**Chabrol, E.** Des effets de l'anatoxine dans une septicémie staphylococcique de forme prolongée avec réactions méningées et radiculaires. Bull. Soc. méd. hôp. Paris, 1936, **53**: 48–51.—**Díaz Rousselot, J., Cardelle, G., & Marinello, Z.** Síndrome séptico; síndrome de hipertensión intracraneal; conferencia anátomo-patológica. Arch. med. inf., Habana, 1948, **17**: 26–36.—**Doicescu, T., & Ionescu, M.** [Staphylococcic septico-pyemia, following pyodermitis with cerebellar localization, and complicated by basilar meningitis] Rev. san. mil., Bucur., 1939, **38**: 72–7.—**Leyritz, J.** Confusions mentales staphylococcémiques guéries par l'anatoxine staphylococcique et le sérum antistaphylococcique. Paris méd., 1939, **111**: 450–2.—**Machado, R., Borges y Hernández, F., & Fernández del Moral, E.** Absceso epidural y meningitis purulenta, sin germenes; séptico-piohemia estafilocóccica. Arch. med. inf., Habana, 1942, **11**: 77–84.—**Martmer, E. E., & Penberthy, G. C.** Perimeningitis; staphylococcus septicemia complicated by osteomyelitis of the second lumbar vertebra. J. Pediat., S. Louis, 1935, **6**: 226–8.—**Monges, J., Recordier, A. M.** [et al.] Septicémie aiguë à staphylocoques; paraplégie brutale par spondylite avec effondrement de D^5 D^6; laminectomie et extension continue; guérison actuelle de la septicémie et très grande amélioration de la paraplégie. Bull. Soc. méd. hôp. Paris, 1946, **62**: 505–9.—**Santarelli, A.** Su di un caso di sepsi stafilococcica con trombosi del seno cavernoso e meningite, curato con penicillina. Policlinico, 1946, **53**: scz. prat., 48–50.—**Wehl, E. F.** Clinical note on staphylococcus septicemia with diffuse involvement of the nervous system (purulent meningitis; encephalomyelitis with involvement of the basal ganglia) J. Nerv. Ment. Dis., 1928, **67**: 351–4.

—— Pathogenesis.

See also subheading Etiology.

Berchmann, D., & Schedrovicky, S. G. Zur Frage der Staphylokokkensepsis. Zbl. Bakt., 1. Abt., 1927, **102**: 213–8.—**Forssmann, J.** Verbreitung der Staphylokokken in Kaninchen nach intravenösen Injektionen von Staphylokokken. Zschr. Immunforsch., 1937, **91**: 165–75.—**González Suárez.** Estudio patogénico y clínico de la septicemia estafilocócica pura. Med.

ibera, 1934, 28: pt 1, 641.—**Janbon, M., Bigonnet, J., & Rabejac, J.** Septicémie staphylococcique aiguë sans porte d'entrée apparente. Arch. Soc. sc. méd. biol. Montpellier, 1939, 20: 343–8.—**Lyons, C.** Bacteriemic staphylococcal infection. Surg. Gyn. Obst., 1942, 74: 41–6.—**Potié, G.** Trois cas de métastases staphylococciques. J. sc. méd. Lille, 1921, 39: pt 2, 100–4.—**Van den Brenk, H. A. S.** Cryptogenic staphylococcal pyaemia. Med. J. Australia, 1945, 2: 83.

—— Pathology.

Agosta, G. Sul comportamento del sistema reticolo-istiocitario nelle setticemie stafilococciche. Arch. ital. chir., 1937–38, 47: 389–431.—**Arnaud, Stora & Verrier.** Au sujet d'un cas de septico-pyémie aiguë staphylococcique. Maroc méd., 1939, 19: 170–4; Disc., 150–3.—**Fedeli, F.** As septicemias por estafilococos, do ponto de vista biológico. Resenha clín. cient., S. Paulo, 1947, 16: 55; 93.—**Lemierre, A.** Les septicémies à staphylocoques. J. méd. chir., Par., 1927, 98: 381–95.—**Long, C. H., & Longacre, A. B.** Staphylococcus septicemia; observations relative to the state of hydration in the dog and in man. Surg. Gyn. Obst., 1942, 74: 353–60.—**Phillipps, F. A.** Relapsing staphylococcal septicaemia; associated with cirrhosis of the liver and splenomegaly. Lancet, Lond., 1937, 1: 1050.—**Wilberforce, O.** Fatal staphylococcal septicaemia with pseudomyxoma peritonei. Brit. M. J., 1933, 1: 269.

—— Prognosis.

Batista, V. Cura espontanea de um caso de septicemia estafilocócica. Pediat. prat., S. Paulo, 1935, 6: 1–6.—**Gilbert, W. M.** Staphylococcus bacteremia; report of a case with recovery. Colorado M., 1934, 31: 66–9.—**Learmonth, J. R., & Moersch, H. J.** Recovery from staphylococcus pyemia: report of a case. Proc. Mayo Clin., 1932, 7: 465.—**McLellan, N. W., & Goldbloom, A.** The prognosis and treatment of staphylococcal septicaemia. Canad. M. Ass. J., 1942, 46: 136–43.—**Merz & Touzard, J.** Septicémies mortelles à staphylocoque. Bull. Soc. méd. mil. fr., 1938, 32: 388–94.—**Millar, J. H. D.** Recovery from haemolytic streptococcal septicaemia in patient with diabetes. Brit. M. J., 1938, 2: 404.—**Pichler, H.** Bericht über einen Todesfall durch Staphylokokkenpyämie. Zschr. Stomat., 1928, 26: 267.—**Sison, A. B. M.** A case of staphylococcus septicemia that recovered. J. Philippine Islands M. Ass., 1937, 17: 387–91.

—— Respiratory system.

Bondoux, P. *Contribution à l'étude des localisations pulmonaires au cours des staphylococcémies. 105p. 8° Par., 1935.

Aráoz Alfaro, G., & Hitce, J. M. Septicemia y pleuresía purulenta estafilocóccicas. Arch. lat. amer. pediat., B. Air., 1914, 8: 201–10.—**Artagaveytia, A. C., & Bazzano, H. C.** Pioneumotórax doble simultáneo por estafilococcia en un niño de 9 años de edad. Rev. tuberc. Uruguay, 1943–44, 11: 254–62.—**Berger, J., & Worms, R.** Septicémie à staphylocoques avec déterminations pulmonaires multiples; traitement par l'anatoxine et le sérum antistaphylococcique. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., 54: 141–51.—**Di Sant'Agnese.** Septicemia staphylococcus; bronchopneumonia. Arch. Pediat., N. Y., 1942, 59: 333–5.—**Johnson, A.** Report on a case of staphylococcal pneumonia with staphylococcal septicaemia; treated with penicillin. Ulster M. J., 1944, 13: 144–9, 2 pl.—**Lagarde, J. L., & Jullien, W.** Image de pseudo-tuberculose pulmonaire au cours d'une pyohémie à staphylocoques; guérison et nettoyage radiologique à la pénicilline. Rev. tuberc., Par., 1944–45, 9: 386–8.—**Lagèze, P., & Cahen, P.** Les complications pulmonaires des septicémies à staphylocoques. J. méd. Lyon, 1947, 28: 281–6.—**Piaggio Blanco, A., & Salveraglio, F.** Manifestaciones pulmonares en las sépticopiohemias estafilocóccicas. Rev. tuberc. Uruguay, 1939, 8: 12–7.—**Scarf, M., Rosenthal, S., & Marquis, H. H.** Staphylococcic septicemia following uncomplicated upper respiratory infection. Northwest M., 1944, 43: 201–3.

—— Skin.

Bernard, A. Les placards érysipélatoïdes dans les staphylococcémies. Bruxelles méd., 1937–38, 18: 1535–8.—**Rathery, F., Dérot, M., & Conte, M.** Septicémie staphylococcique à forme de gangrène cutanée diffuse des extrémités. Bull. Soc. méd. hôp. Paris, 1935, 51: 436–40.—**Renard, G.** La forme érysipélatoïde de la staphylococcémie maligne. Arch. opht., Par., 1929, 46: 544–50.—**Thiodet.** Staphylococcémies subaiguës avec purpura. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., 54: 52–6.

—— Surgical aspect.

Debré, R. A propos des septicémies à staphylocoques d'ordre chirurgical. P. verb. Congr. fr. chir., 1938, 47. Congr., 530–6.—**Dziembowski, S. de.** Sur la septicémie à staphylocoques. Ibid., 553–8.—**Leriche, R.** Sur le terrain dans les septicémies staphylococciques. Ibid., 558–65.—**Moiroud, P.** Septicémies à staphylocoques d'ordre chirurgical; traitement. J. chir., Par., 1938, 52: 458–77. ——— **& Patel, J.** Formes cliniques et traitement des septicémies à staphylocoques d'ordre chirurgical. Ibid., 433. Also P. verb. Congr. fr. chir., 1938, 47. Congr., 371–529. Also Paris méd., 1938, 110: 289–97. Also Presse méd., 1938, 46: 1577–9.—**Sauvé.** Sur les septicémies à staphylocoques. P. verb. Congr. fr. chir., 1938, 47. Congr., 565–7.

—— Treatment.

See also **Micrococcosis**, Treatment.

Bariéty, M. Le traitement des septicémies à staphylocoques. 68p. 24cm. Par., 1939.

Rosenfeld, H. *Le traitement des septicémies à staphylocoques. 63p. 23½cm. Strasb., 1936.

Bariéty, M. Quelques notions récentes sur la clinique et le traitement des septicémies à staphylocoques. J. méd. chir., Par., 1936, 107: 589–98.—**Collins, J. A.,** jr. The treatment of staphylococcus septicemia. Pennsylvania M. J., 1944–45, 48: 345–8.—**Koek, C.** [Case of staphylococcic sepsis successfully treated] Geneesk. gids, 1934, 12: 601–5.—**MacDowell.** Um caso de cura de septicemia staphilococcica. Bol. Acad. nac. med., Rio, 1934, 105: 744–54.—**Marks, I. L.** The treatment of staphylococcus septicemia; report of case. Bull. Stuart Circle Hosp., Richmond, 1940, 11: 86–90.

—— Treatment: Anatoxin.

Hamonet H. *Les septicémies à staphylocoques; contribution à l'étude du traitement par l'anatoxine staphylococcique de Ramon. 63p. 8° Par., 1938.

Cazals, J., & Riotte, R. Staphylococcémie à localisations multiples guérie par l'anatoxine staphylococcique. Bull. Soc. méd. mil. fr., 1938, 32: 492.—**Debré, R., Lévy, P. P.** [et al.] L'anatoxine staphylococcique; son emploi dans un cas de staphylococcémie grave à foyers multiples terminé par la guérison. Bull. Soc. méd. hôp. Paris, 1935, 3. ser., 51: 1334–41.—**Luccioni, F., & Blanchard, J.** Sur l'action de l'anatoxine anti-staphylococcique de Ramon dans un cas de staphylococcémie à forme grave. Marseille méd., 1936, 73: pt 1, 734–6.—**Merklen, P., Waitz, R., & Pernot, R.** Staphylococcémie grave; injections d'anatoxine; transfusions. Bull. Soc. méd. hôp. Paris, 1936, 3. ser., 52: 459–64.—**Mirallié.** Septico-pyohémie à staphylocoques; action heureuse de l'anatoxine antistaphylococcique. Mém. Acad. chir., Par., 1936, 62: 1004.—**Pagniez, P., Plichet, A., & Rendu, C.** Staphylococcémie grave, traitée et guérie par l'anatoxine. Bull. Soc. méd. hôp. Paris, 1936, 3. ser., 52: 1318–21. Also J. méd. Paris, 1936, 56: 427.—**Soupault & Bernardini.** Un cas de septicémie à staphylocoques traitée et guérie par l'anatoxine staphylococcique. Mém. Acad. chir., Par., 1936, 62: 162–8.

—— Treatment: Bacteriophage.

Artarit, G. *Traitement des septicémies staphylococciques par les injections intra-veineuses de bactériophage de d'Hérelle. 46p. 8° Par., 1935.

Gross, A. *Des septicémies à staphylocoques (formes chirurgicales, ostéomyélites exceptées) et de leur traitement par le bactériophage intraveineux. 99p. 8° Par., 1937.

Bacteriophage for staphylococcal septicaemia. Brit. M. J., 1940, 2: 676.—**Bronfenbrenner, J., & Sulkin, S. E.** Effect of bacteriophage in experimental staphylococcal septicemia in rabbits. J. Bact., Balt., 1941, 41: 61.—**Davioud.** Septico-pyohémie à staphylocoques traitée et guérie par un autobactériophage intraveineux. Bull. Soc. nat. chir., Par., 1929, 55: 1127–34.—**Dutton, L. O.** The therapeutic use of bacteriophage, with special reference to staphylococcus septicemia. Southwest J. M. & S., 1933, 17: 374–9.—**Flandrin, P., & Sobieski, E.** Septicémie à staphylocoques chez un prostatique, guéric par l'inoculation intraveineuse de stock staphy-bactériophage. J. urol. méd., Par., 1933, 35: 524–9.—**Longacre, A. B., Zaytzeff-Jern, H., & Meleney, F. L.** The treatment of Staphylococcus septicemia with bacteriophage. Surg. Gyn. Obst., 1940, 70: 1–11.—**MacNeal, W. J., & Frisbee, F. C.** Bacteriophage as a therapeutic agent in staphylococcus bacteremia. J. Am. M. Ass., 1932, 99: 1150. ——— Bacteriophage service to patients with staphylococcus septicemia. Am. J. M. Sc., 1936, 191: 170–8. ——— One hundred patients with staphylococcus septicemia receiving bacteriophage service. Ibid., 179–95. ——— **& Slavkin, A. E.** Mechanism of bacteriophage action in staphylococcus bacteremia. Proc. Soc. Exp. Biol., N. Y., 1932, 30: 12.—**Raiga, A.** Septicémie à staphylocoque guérie par une inoculation intra-veineuse de bactériophage. Bull. Soc. chir. Paris, 1931, 23: 441–50. ——— Guérison, par une inoculation intra-veincuse de bactériophage, d'une septicémie à staphylocoque compliquée d'une ostéomyélite vertébrale à deux foyers, corporéal et lamellaire; acte chirurgical réduit; résultat éloigné de deux ans. Ibid., 1933, 25: 555–68.—**Récamier, J., & Sobieski.** Un cas grave de septicémie à staphylocoque guéri par le bactériophage intraveineux. Bull. Soc. nat. chir., Par., 1935, 61: 60.—**Sauvé.** Un cas de staphylococcie de très haute gravité traité et guéri par des injections intraveineuses de bactériophage. Ibid., 1933, 59:

1382.—**Sulkin, S. E., Douglass, D. D., & Bronfenbrenner, J.** Bacteriophage therapy; effect of bacteriophage in experimental staphylococcal septicemia in rabbits. J. Infect. Dis., 1942, **70**: 92–5.—**Ulrich, P.** Septicémies à staphylocoques et phagothérapie. P. verb. Congr. fr. chir., 1938, 47. Congr., 586–8.

—— Treatment: Biological products.

Böthel, W. Günstiger Erfolg bei Staphylokokkensepsis durch künstlichen keimfreien Abscess, Olobintin-Klingmüller. Deut. Militärarzt, 1940, **5**: 273.—**Combiesco, D., & Popesco, C.** Données expérimentales sur le traitement spécifique des septicémies staphylococciques. Bull. Acad. méd. Roumanie, 1936, **1**: 394–404.—**Frassineti, C.** Cura delle infezioni da stafilococco con la piolisina. Atti Soc. ital. derm. sif., 1938, **1**: 1010–2.—**Joyner, A. L., & Smith, D. T.** Acute staphylococcus osteomyelitis; the use of staphylococcus antitoxin as aid to management of toxemia and staphylococcemia. Surg. Gyn. Obst., 1936, **63**: 1–6.—**Oulès.** Staphylococcémie pénicillinorésistante; emploi de produits biologiques. Concours méd., 1948, **70**: 2488.—**Parker, H. M.** The treatment of staphylococcic septicemia; with a specific antitoxin. J. Missouri M. Ass., 1938, **35**: 30–2.—**Sager, W. W., Hunter, O. B., & Tolstoi, G.** Staphylococcal septicemia treated with staphylococcal antitoxin; report of a case. Med. Ann. District of Columbia, 1940, **9**: 306–8.

—— Treatment: Chemotherapy.

Bantman, H. *Contribution à l'étude du traitement des staphylococcémies par l'iodo-sulfamidothérapie. 84p. 24cm. Par., 1945.

Lebow, E. E. *Staphylococcal septicemia; report of a case of recovery with therapy of sulfathiazole together with a review of the literature [U. S. Marine Hosp.] 8 l. 28cm. N. Orl., 1941.

Applebaum, I. L. Complications of staphylococcus sepsis: treatment by intrapleural and intrapericardiac injections of sulfa compounds. Mil. Surgeon, 1945, **96**: 424–9.—**Argüello, R. A., & Otero, O.** Sobre un caso de septicemia a estafilococos tratado con quimioterapia. Rev. argent. derm. sif., 1942, **26**: pt 2, 406 (Abstr.)—**Arnaud, L.** Traitement des septicémies à staphylocoques d'ordre chirurgical par les injections intra-artérielles et intracardiaques de mercurochrome. P. verb. Congr. fr. chir., 1938, 47. Congr., 575–85.—**Aversa, T.** Sepsi stafilococcica (tromboflebite del seno cavernoso, meningite purulenta ed osteomielite) guarita con trattamento sulfamidico. Pediatria (Riv.) 1943, **51**: 164–71.—**Blumenthal, J. S.** Sulfapyridine in the treatment of staphylococcus septicemia. Minnesota M., 1940, **23**: 122.—**Cardelle, G.** Septicemia estafilocóccica en un lactante de seis meses, curada con inyecciones de rivanol. Bol. Soc. cubana pediat., 1938, **10**: 395–401.—**Carroll, G., Kappel, L.** [et al.] Sulfamethylthiazol; a report of its clinical use in Staphylococcus septicemia with apparent success; report of animal experiments. South. M. J., 1940, **33**: 83–7.—**Eberlin, E.** Zur Chemotherapie der Staphylokokkensepsis. Zbl. inn. Med., 1943, **64**: 521–3.—**Fenton, W. J., & Hodgkiss, F.** Staphylococcal septicaemia treated by M. & B. 693. Lancet, Lond., 1938, **2**: 667.—**Flowers, W. S., Collins, D. H., & Hardy, K. H.** Staphylococcal septicaemia; two cases treated with sulphathiazole. Ibid., 1942, **1**: 470–3.—**Glorig, A., & Englander, H. H.** A case of staphylococcus septicemia treated with sulfamethylthiazol. Ohio M. J., 1941, **37**: 962.—**Goldberg, S. L., & Bloomenthal, E. D.** Staphylococcic septicemia; treatment by chemotherapy and serotherapy. Surgery, 1941, **9**: 508–23.—**Hamburger, M., & Ruegsegger, J. M.** Treatment of staphylococcal septicemia with sulfamethylthiazole and sulfathiazole; a report of 12 cases. Ann. Int. M., 1940–41, **14**: 1137–54.—**Heselson, J.** Staphylococcal septicaemia treated with sulphathiazole. Lancet, Lond., 1941, **1**: 311.—**Huber, J., Florand & Duperrat.** Septicémie à streptocoques hémolytiques, traitée exclusivement par la para-aminophénylsulfamide. Bull. Soc. pédiat. Paris, 1937, **35**: 582–93.—**Jackman, W. A., & Martin, N. H.** Staphylococcal septicaemia; recovery with sulphathiazole. Lancet, Lond., 1942, **1**: 135–7.—**Jarrell, K. M.** Blood stream infection due to a carbuncle; recovery following the use of mercurochrome 220. Internat. J. Surg., 1927, **40**: 168.—**Keliher, T. F., & Carlen, S. A.** Treatment of staphylococcal septicemia with sulfamethylthiazol; report of a case with recovery. Med. Ann. District of Columbia, 1940, **9**: 78–80.—**Kenney, J. F.** Report of a case of staphylococcus bacteremia treated with sulphadiazine and penicillin. Rhode Island M. J., 1944, **27**: 663–5.—**Maxwell, J.** Staphylococcal septicaemia treated with M. & B. 693. Lancet, Lond., 1938, **2**: 1233.—**Mondon, H., Pirot, R.** [et al.] Septico-pyohémie à staphylocoques; guérison par l'iodo-sulfamidothérapie. Bull. Soc. méd. hôp. Paris, 1942–43, **58**: 445.—**Norman, H. B.** Staphylococcal septicaemia treated with sulphadiazine. Brit. M. J., 1944, **1**: 183.—**O'Brien, E. J., & McCarthy, C. J.** Staphylococcal septicaemia treated with M. & B. 693. Lancet, Lond., 1938, **2**: 1232.—**Pinto, J. C., & Appollonio, H. C.** Septicopiohemia estafilocóccica tratada con sulfamerazina. Compend. méd., Phila., 1945, No. 37, 1–3.—**Pound, J. H.** A case of staphylococcic septicemia treated with sulfamethylthiazole. J. Florida M. Ass., 1940–41, **27**: 451–3.—**Spink, W. W., Hansen, A. E., & Paine, J. R.** Staphylococcic bacteremia; treatment with sulfapyridine and sulfathiazole. Arch. Int. M., 1941, **67**: 25–35.—**Sulfatiazol** (El) en las septicemias estafilocóccicas. Día méd., B. Air., 1941, **13**: 875.—**Thornhill, W. A., jr, Swart, H. A., & Reel, C.** Sulfanilamide in staphylococcic septicemia; two cases with recovery. J. Am. M. Ass., 1939, **113**: 1638.—**Torrey, R. G., Julianelle, L. A., & McNamee, H. G.** The sulfonamide therapy of staphylococcal septicemia. Ann. Int. M., 1941–42, **15**: 431–45.—**Wade, H. J.** Staphylococcal septicaemia treated with M. & B. 693; report of a case. Lancet, Lond., 1939, **1**: 756. —— Staphylococcal meningitis and subacute bacterial endocarditis treated with M. & B. 693. J. R. Nav. M. Serv., 1940, **26**: 379–85.—**Weinstein, M., & Greenberg, I.** Sulfapyridine in the treatment of staphylococcus septicemia; report of a successfully treated case. N. York State J. M., 1940, **40**: 1799–802.

—— Treatment: Hemotherapy.

Cadenat, Funck-Brentano & Falgairolle, P. Septicémie staphylococcique par abcès du sein post-puerpéral, guérie par la transfusion du sang normal. Bull. Soc. sc. méd. biol. Montpellier, 1925–26, **7**: 355–62.—**Estiu, M., Pessacq, T. S., & Gayoso Rojas, B.** Inmunotransfusión en una estafilococcemia. Rev. As. méd. argent., 1933, **47**: 2854–8.—**Lereboullet, P., Joseph, R., & Brincourt, J.** Un cas de septicémie à staphylocoques chez un nourrisson traité avec succès rar la perfusion veineuse continue. Bull. Soc. pédiat. Paris, 1937, **35**: 117–22.—**Vanlande, M.** Septicémies à staphylocoques et immunotransfusion. P. verb. Congr. fr. chir., 1938, 47. Congr., 572–4.

—— Treatment: Methods.

Bonoli, U. Le vitamine B e C nella sepsi sperimentale da stafilococco. Clinica, Bologna, 1939, **5**: 596–606.—**Brown, A. K.** Intensive therapy in staphylococcal septicaemia. Edinburgh M. J., 1943, **50**: 469–73.—**Casella, G.** Azione del glucosio nelle sepsi stafilococciche; variazioni del quadro ematologico. Fol. med., Nap., 1937, **23**: 247–54, ch.—**Giangrasso, G.** La vitamina C nelle stafilococcemie sperimentali; suo meccanismo d'azione dimostrato dal comportamento del sistema reticolo-istiocitario. Fisiol. & med., Roma, 1947, n. ser., **1**: 339–66.—**Miley, G.** Efficacy of ultraviolet blood irradiation therapy in the control of staphylococcemias. Am. J. Surg., 1944, **64**: 313–22.—**Ogilvie, J. M.** A case of staphylococcic septicaemia treated with injections of boiled milk. Canad. M. Ass. J., 1939, **40**: 270.—**Simici, Pavelescu, N., & Popescu, M.** [Case of staphylococcal septicemia (treatment by fixation abscess with immunotransfusion by Wright's method)] Rev. san. mil., Bucur., 1933, **32**: 75–9.—**Villaret, M., Justin-Besançon, L., & Fauvert, R.** Sur le mode de guérison d'une septicémie à staphylocoques (rôle de l'abcès de fixation et effets secondaires sur l'évolution d'une tuberculose pulmonaire) Bull. Soc. méd. hôp. Paris, 1926, 3. ser., **50**: 472–6.

—— Treatment: Penicillin.

Anderson, J. D., & Hill, L. F. Penicillin in the treatment of severe staphylococcic bacteriemia with complications; report of a case. J. Iowa M. Soc., 1944, **34**: 191–8.—**Bashinsky, L.** Unusual fulminating generalized staphylococcus infections treated with penicillin. J. Pediat., 1945, **27**: 448–52.—**Boller, R. J.** Case of staphylococcic septicemia treated with penicillin. J. Am. M. Ass., 1944, **125**: 629–31.—**Costantini, H.** Septicémie à staphylocoques déclenchée par un traumatisme; guérison par pénicillinothérapie. Afrique fr. chir., 1947, 193–5.—**Denning, B.** Staphylococcal septicaemia treated with penicillin. Med. J. Australia, 1945, **2**: 158.—**Dow, J.** A case of staphylococcal septicaemia treated with penicillin. J. R. Nav. M. Serv., 1945, **31**: 58–60.—**Gaquière, A.** Staphylococcémie; guérison par la pénicilline et la sulfamidothérapie iodée. Bull. Soc. méd. hôp. Paris, 1945, **61**: 442–4.—**Howells, L., Hughes, R. R., & Rankin, R.** Staphylococcus pyogenes septicaemia treated with penicillin; report of two cases. Brit. M. J., 1945, **1**: 901–3.—**Lombard, P.** Septicémie staphylococcique suraiguë; ostéomyélite du tibia; perfusion de pénicilline; guérison. Afrique fr. chir., 1947, 195. —— Septicémie à staphylocoques; perfusion à la pénicilline; abcès sous périostique; guérison. Ibid., 341.—**Loon, J. A. van, & Kleyn, G. H. de.** Penicillinetherapie van een staphylococcussepsis. Ned. tschr. geneesk., 1946, **90**: 59.—**Loygue.** Septicémie à staphylocoques, sulfamidothérapie; guérison par la pénicilline. Bull. Soc. méd. hôp. Paris, 1945, **61**: 153.—**MacNeal, W. J., Blevins, A., & McGrath, R.** Septic staphylococcemia successfully treated by penicillin and bacteriophage. Arch. Int. M., 1947, **79**: 391–400.—**Mugler, A., & Rouillard, J. M.** Guérison d'une staphylococcémie aiguë par des doses massives de pénicilline. Strasbourg méd., 1948, **108**: 13.—**Nicaud, P., Lafitte, A., & Dessertenne.** Septicémie à staphylocoques guérie par la pénicilline et compliquée d'hydro-pneumothorax. Bull. Soc. méd. hôp. Paris, 1947, **63**: 834–6.—**Nichols, D. R., & Herrell, W. E.** Penicillin in the treatment of staphylococcic sepsis. Med. Clin. N. America, 1944, **28**: 860–8.—**Palacio, J., & Magalhães, E.** Septicemia estafilocóccica y penicilina. Relat. Congr. argent. med. int. (1944) 1945, **2**. Congr., 393. Also Rev. As. méd. argent., 1945, **59**: 277.—**Schlossberg, T.** Staphylococcal septicaemia treated with penicillin. Brit. M. J., 1944, **1**: 326.—**Swyer, G. I. M.** Staphylococcus pyogenes septicaemia treated with penicillin. Ibid., 1945, **2**: 532.—**Terrasse, J., Léré, J., & Boucharenc, G.** Septicémie, ostéomyélite, péricardite suppurée à staphylocoques; guérison par la pénicilline intraveineuse, intramusculaire, intrapéricardique. Bull. Soc. méd. hôp. Paris, 1945, **61**: 400–2.—**Visani, A., & Gueli, U.**

La penicillina nelle sepsi stafilococciche. Clin. nuova, Roma, 1948, 7: 395–407.—**Yazigi, R.** Septicemia estafilocócica tratada con penicilina. Rev. méd. Chile, 1944, 72: 902–5.

—— Treatment: Serum and vaccine.

Antoni, V. de. Autovaccinotherapia endovenosa nella sepsi stafilococcica. Policlinico, 1936, 43: sez. prat., 763–77.—**Caroli, J., & Bons, G.** Septicémie staphylococcique guérie par le sérum et l'anatoxine staphylococcique. Bull. Soc. méd. hôp. Paris, 1935, 3. ser., 51: 1396–9.—**Clinical** (The) administration of specific antibacterial serum in staphylococcal septicemia. Bull. Lederle Lab., 1941, 9: 77–80.—**Didier.** Un cas de septicémie à staphylocoque traitée par la vaccinothérapie et suivie de guérison. Bull. Soc. méd. mil. fr., 1937, 31: 597–600.—**Façée-Schaeffer, N. J. M.** Een voorbeeld van prompte werking van het serum antistrepto en antistaphylo-coccum van Spronck bij staphylococcæmie. Ned. tschr. geneesk., 1911, 2: 436–9.—**Julianelle, L. A.** Observations on the specific treatment (type A antiserum) of staphylococcal septicemia. Ann. Int. M., 1939–40, 13: 308–16; 1942, 16: 303–26. ——— The treatment of staphylococcal septicemia with specific antiserum. Washington Univ. M. Alumni Q., 1940, 3: 66–8.—**Roux, G., Chaptal, J.** [et al.] Septico-pyohémie à staphylocoques à localisations ostéoarticulaires multiples et avec souffle mitral d'apparence organique; guérison de la période aiguë et d'une rechute grave par les immuno-transfusions. Montpellier méd., 1942, 21:–22: 26–8.—**Wanchoo, S. P.** Serum treatment in a case of acute staphylococcal septicaemia. Ind. M. Gaz., 1936, 71: 592.

—— Urogenital apparatus.

Chollet, C. *Les localisations prostato-vésicales au cours des septicémies staphylococciques. 61p. 8° Par., 1919.

Cilento, M. Le localizzazioni nei reni, funzionalmente affaticati, nel corso di setticemie stafilococciche sperimentali. Ann. ital. chir., 1930, 9: 530–42.—**Fey, B., Quénu, J., & Bonnard.** Abcès multiples et disséminés du rein au cours d'une septicémie à staphylocoques. Bull. Soc. fr. urol., 1929, 8: 66–72. Also J. urol. méd., Par., 1929, 27: 234–40.—**Flandin, C.** Un cas de staphylococcie généralisée, avec abcès périnéphrétique guéri par l'intervention chirurgicale, et localisation cardiaque guérie par la vaccinothérapie. Bull. Soc. méd. hôp. Paris, 1926, 3. ser., 50: 1698–700.—**Gruber, G. B.** Pyämie nach akuter staphylomykotischer Spermatozystitis. Münch. med. Wschr., 1911, 58: 1014–7.—**Legueu.** Stafilococcia generalizzata di origine urinaria. Gazz. osp., 1913, 34: 1544–6.—**Sàrperi, A.** Contributo alla conoscenza clinica delle setticemie da stafilococco e dell'ascesso pararenale. Prat. pediat., Genova, 1929, 7: 219–22.

—— in animals.

Foggie, A. The prevention of tick pyaemia in lambs with staphylococcus toxoid. Vet. Rec., Lond., 1943, 55: 317. ——— Studies on the source of the staphylococcal infection found in tick pyaemia of lambs. J. Comp. Path., Lond., 1947, 57: 245–60.—**McDiarmid, A.** Studies on enzootic staphylococcal infection in lambs associated with tick-bite; pathogenicity of the causal organism in the guinea-pig. Vet. Rec., Lond., 1946, 58: 431. ——— Pathogenicity of the causal organism in the lamb. Ibid., 1948, 60: 1–3.—**Zaki, O. A., & Saleb, G.** A case of fatal staphylococcal pyaemia in a dog, with abscess formation at the site of penicillin injection. Ibid., 109.

—— in children.

Aguiar, A. de, & Moreira Lopes, W. Sôbre um caso de septicemia estafilocócica em criança. Fol. med., Rio, 1944, 25: 145–8.—**Bahl, E.** Spontan geheilte Staphylokokkensepsis eines acht Wochen alten Säuglings. Zschr. Kinderh., 1929, 47: 166.—**Fornara, P.** Considerazioni sulle setticemie stafilococciche nell'infanzia e sulla loro cura. Atti Accad. med. lombarda, 1941, 30: 437–56.—**Marino, E.** Le stafilococcemie nell'infanzia. Med. ital., 1927, 8: 658–68.—**Salvioli, G., & Mazzetti, G.** Contributo allo studio della sepsi stafilococcica nella puerizia. Riv. clin. pediat., 1936, 34: 961–71.—**Simonini, A.** Considerazioni terapeutiche su di un caso de sepsi de stafilococco in un neonato di giorni 15. Lattante, 1947, 18: 98–102.—**Wu, J. P.** Staphylococcus bacteremia in children: a clinical study of forty-three cases. Chin. M. J., 1937, 52: 807–16.

MICROCOLORIMETER.

See also **Colorimetry**, Methods; also under names of substances examined.

Baudoin, A., & Bernard, H. Un nouvel instrument (microcolorimètre et néphélémètre) C. rend. Soc. biol., 1920, 83: 602.—**Dumazert, C., & Poggi, R.** Sur le microdosage colorimétrique de l'arginine et de divers dérivés guanidiques monosubstitués; application aux hydrolysats protéiques. Bull. Soc. chim. biol., Par., 1939, 21: 1381–8.—**Evelyn, K. A., & Gibson, J. G., II.** A new type of absorption cell for the photoelectric microcolorimeter. J. Biol. Chem., 1937–38, 122: 391–4.—**Horváth, S. M., & Knehr, C. A.** Adaptation of the Folin-Malmros micro blood sugar method to the photoelectric colorimeter. Ibid., 1941, 140: 869–77.—**Sols. A.** Utilización microcolorimétrica sencilla de la colorimetría de dos standards. Laboratorio, Granada, 1946, 1: 121–3.

Microcosm (The) a monthly journal of substantialism and collateral discussions; the organ of the substantial philosophy. v.6, extra No. 16, p. 27 cm. N. Y., 1889.

MICROCOSM.

See also **Cosmos; Ideology**, philosophical; **Renaissance**, Medical history.

Mikrokosmus; aus dem Hortus Deliciarum [Illust.] In: Eingeweide (Bargheer, E.) Berl., 1931, opp. p. 16.—**Plarr, V. G.** The poetry of the microcosm. Brit. M. J., 1920, 2: 898.—**Strebel, J.** Quid est Archeus? Archeus als individuelles und kollektives Seelenprinzip des Mikro- und Makrokosmos. Schweiz. med. Wschr., 1941, 71: 1130–3.—**Strunz, F.** Mensch und Natur in der Weltanschauung des Paracelsus. Acta paracels., Münch., 1930–31, 108–120.—**Titley, A. F.** The macrocosm and the microcosm in mediaeval alchemy. Ambix, Lond., 1937–38, 1: 67–9, illust.

MICROCOSMUS (gen.)

See also **Ascidiacea.**

Karrer, P., Manunta, C., & Schwyzer, R. Ueber ein Vorkommen von Purinen und eines Pterins in einer Ascidienart (Microcosmus polymorphus) Helvct. chim. acta, 1948, 31: 1214–8.

MICROCOTYLE.

See also **Monogenea; Trematoda.**

Fujii, H. Three monogenetic trematodes from marine fishes. J. Parasit., Lanc., 1944, 30: 153–8.—**MacCallum, G. A.** Fertilization and egg-laying in Microcotyle stenotomi. Science, n. ser., 1913, 37: 340.—**Remley, L. W.** Morphology and life-history studies of Microcotyle spinicirrus; a monogenetic trematode from the gills of Aplidonotus grunniens. Univ. Iowa Doct. Diss., 1941, 2: 291 (Abstr.) ——— Morphology and life history studies of Microcotyle spinicirrus MacCallum 1918, a monogenetic trematode parasitic on the gills of Aplodinotus grunniens. Tr. Am. Micr. Soc., 1942, 61: 141–55.

MICROCRYSTAL.

See also **Crystal; Microchemistry**, Methods; also under specific names of microcrystalline substances as **Sulfonamide**, etc.; also **Blood-stain**, Identification.

Bacharach, A. L. The separation of crystals and gums on the micro or semimicro scale. Analyst, Lond., 1947, 72: 244.—**Grimes, M. D., Bond, J. M., & Shead, A. C.** Angular constants of microcrystalline profiles and silhouettes in conclusive identification of substances; metallic helianthinates, 00 tropaeolinates, and miscellaneous compounds. Proc. Oklahoma Acad. Sc., 1940, 20: 111–6.—**Keenan, G. L., & Eisenberg, W. V.** Tables for the microscopic identification of N. F. VII crystalline substances. J. Am. Pharm. Ass., 1946, 35: 94–6.—**Pérez, L., & Villamil, J.** Las cristalizaciones argénticas en microquimía. Arch. med. leg., Lisb., 1933, 6: 358–65.—**Sandoval S., L.** La microcristalografía en policía científica. Criminalia, Méx., 1943–44, 10: 81–4, pl.—**Saredo, J. F.** Reacciones microcristalinas con gérmenes. An. As. quím. farm. Uruguay, 1947, 49: 3–38.—**Schindel, L.** Micro-crystals, a new drug principle. Acta med. orient., Jerusalem, 1947, 6: 170–5.—**Sergent, E.** Observation, au microscope, de la formation et de la croissance de cristallites dans des milieux organiques. Arch. Inst. Pasteur Algérie, 1945, 23: 1–20.—**Weimarn, P. P. v.** [Ultramicroscopy of crystallization phenomena] J. Russ. fiz. khim. obshch., khim. ch., 1915, 47: 2140–63, 5 pl.

MICROCTONUS.

See also **Tobacco**, Parasites.

Wene, G., & Dominick, C. B. The abundance of Microctonus epitricis (Vier.) in Virginia. J. Econom. Entom., 1943, 36: 114.

MICROCULTURE.

See also **Bacteria**, Cultivation: Culture media; **Fungi**, Cultivation; **Micromanipulation; Microscopy**, Technic; **Mycosis**, Diagnosis.

Alekseeva. K tekhnikĭe prigotovlenia visjacheĭ kapli. Kharkov. M. J., 1913, 16: 55–7. **Brown, J. H.** A fungus culture slide. Bull. Johns Hopkins Hosp., 1942, 70: 460–2. ——— A micro-culture slide for fungi. J. Bact., Balt., 1942, 43: 16.—**Greene, R. A.** A vaseline dispenser for hanging drop preparations. J. Laborat. Clin. M., 1934–35, 20: 978.—**Hogue, M. J.** A method for preventing moisture condensation during photography of tissue cultures in hanging drops. Science, 1949, 110: 198.—**Johnson,**

E. A. An improved slide culture technique for the study and identification of pathogenic fungi. J. Bact., Balt., 1946, **51**: 689–94. ——— The use of an improved slide culture technique for identification of pathogenic fungi. Proc. Am. Fed. Clin. Res., 1947, **3**: 30.—**Method** for slide culture of fungi. Bull. U. S. Army M. Dep., 1944, No. 78, 18.—**Popov, I. S., & Kirillova, N. I.** [Methods of cultivation of microcultures of fungi] J. mikrob., Moskva, 1942, 154.—**Willard, D. G.** A convenient method of preparing a vaseline ring for hanging drop preparations. U. S. Nav. M. Bull., 1921, **15**: 92.—**Wilson, J. W.** An improved method for preparing permanent slides of fungus cultures. Arch. Derm. Syph., Chic., 1945, **52**: 267.—**Zimerinov, A. A., & Rafalovich, S. M.** An attempt to investigate fungus cultures in the hanging drop; preliminary report. Brit. J. Derm. Syph., 1948, **60**: 238–43, 3 pl.

MICROCYCLUS.

Ørskov, J. Beschreibung eines neuen Mikroben, Microcyclus aquaticus, mit eigentümlicher Morphologie. Zbl. Bakt., 1. Abt., 1928, **107**: 180–4.

MICROCYSTIS.

See also **Plankton; Schizophyceae.**

Ashworth, C. T., & Mason, M. F. Pathological changes produced by a toxic component in Microcystis aeruginosa. Fed. Proc., Balt., 1945, **4**: 81.

MICROCYTOSIS.

See **Erythrocyte,** Size: Variation: Anisocytosis.

MICRODERMA.

See also **Trematoda.**

Mehra, H. R. On a new trematode Microderma elinguis n. g, n. s. Parasitology, Lond., 1931, **23**: 191–5.

MICRODIPODOPS.

See also **Rodent.**

Hall, E. R. Revision of the rodent genus Microdipodops. In: Papers Mammal. (Chicago Field Mus.) Chic., 1941.

MICRODIFFUSION.

See also **Diffusion; Microchemistry,** Methods.

Brady, T. G. Microdiffusion analysis. Mikrochemie, Wien, 1948–49, **34**: 120.—**Conway, E. J., & O'Malley, E.** Microdiffusion methods; ammonia and urea using buffered absorbents, revised methods for ranges greater than 10 μg. N. Biochem. J., Lond., 1942, **36**: 655–61.

MICRODISSECTION.

See **Micrurgy.**

MICRODON.

See also **Syrphidae.**

Andries, M. Zur Systematik, Biologie und Entwicklung von Microdon Meigen. Zschr. wiss. Zool., 1912, **103**: 300–61, 3 pl.—**Carrera, M., Souza Lopes, H. de, & Lane, J.** Um novo gênero e duas espécies de Microdontinae; Diptera-Syrphidae. Brasil med., 1947, **61**: 245.—**Hecht, E.** Notes biologiques et histologiques sur la larve d'un diptère (Microdon mutabilis L.) Arch. zool. exp., Par., 1899, 3. ser., **7**: 363–82, pl.

MICROELECTROANALYSIS.

See also **Electrocataphoresis; Electrochemistry; Electrolysis; Microchemistry,** Methods.

Hallett, L. T. Microelectroanalysis. In: Standard Meth. Chem. Analysis (Scott, W. W.) 5. ed., N. Y., 1939, 2510–21.—**Laitinen, H. A., & Kolthoff, I. M.** A study of diffusion processes by electrolysis with microelectrodes. J. Am. Chem. Soc., 1939, **61**: 3344–9.—**Lindsey, A. J.** A review of electrolytic methods of microchemical analysis. Analyst, Lond., 1948, **73**: 67–74.—**Zworykin, V. K.** Using electrons for microanalysis. Science, 1944, **99**: 334.

Microentomology. Stanford Univ., v.**1,** 1936–

MICROFAUNA.

See also **Microorganism,** Ecology; **Soil,** Microbiology.

FAHRION, H. *Die Mikrofauna des Unteren Doggers in Schwaben. 37p. 8° Tüb., 1935.

Koffman, M. Die Mikrofauna des Bodens; ihr Verhältnis zu anderen Mikroorganismen und ihre Rolle bei den mikrobiologischen Vorgängen im Boden. Arch. Mikrob., Berl., 1934, **5**: 246–302.

MICROFILARIA [and microfilariasis]

See also **Filariasis; Filariinae; Filaroidea;** also under names of filarial genera as **Acanthocheilonema; Dirofilaria; Loa; Onchocerca; Wuchereria,** etc.

Bergman, R. A. M. Mikrofilarien und Blutleukozyten in Kulturen in vitro. Arch. exp. Zellforsch., 1932, **13**: 491–509.—**Foshay, L.** The cuticular morphology of some common microfilariae. Am. J. Trop. M., 1947, **27**: 233–43, incl. 2 pl.—**Gönnert, R.** Zur Lebensdauer menschlicher Mikrofilarien. Zbl. Bakt., 1. Abt., 1942–43, **149**: 75–81. Also Bull. Inst. Pasteur, Par., 1943, **41**: 172. Also Trop. Dis. Bull., Lond., 1943, **40**: 160–2 (Abstr.)—**Joyeux, C., & Sautet, J.** Contribution à l'étude de la culture des microfilaires. C. rend. Soc. biol., 1937, **126**: 361.—**Laas, E.** Blutzellen und Mikrofilarien bei Auspflanzung. Arch. exp. Zellforsch., 1934, **16**: 270–4.—**Sautet, J., & Palais, M.** Recherches expérimentales sur l'action de quelques produits sur les microfilaires en culture. Rev. méd. hyg. trop., Par., 1937, **29**: 241–5.

—— M. actoni.

Rao, S. S. A new species of human microfilaria (Microfilaria actoni sp. nov.) from eastern India allied to microfilaria of Acanthocheilonema perstans. Ind. J. M. Res., 1930–31, **18**: 979–81, pl.

—— M. bancrofti.

See under **Wuchereria,** bancrofti.

—— Detection.

Brady, F. J., & Lawton, A. H. New method for quantitative estimation of microfilariae in blood samples. J. Parasit., Lanc., 1944, **30**: 34.—**Demonstration** of microfilaria. Am. J. Ophth. 1942, **25**: 215.—**Franks, M. B., & Stoll, N. R.** The isolation of microfilariae from blood for use as antigen. J. Parasit., Lanc., 1945, **31**: 158–62.—**Galliard, H., & Ngu, D. V.** Recherches sur la filariose; choix d'une technique de numération des microfilaires du sang. Ann. parasit., Par., 1947, **22**: 158–63.—**Harris, J. S., & Summers, W. A.** A concentration method for demonstrating microfilariae in blood. Am. J. Trop. M., 1945, **25**: 497.—**Khalil, M. B.** Microfilariae disappear into the lymphatics when absent in the peripheral blood. J. Egypt. M. Ass., 1938, **21**: 595.—**Knott, J.** A method for making microfilarial surveys on day blood. Tr. R. Soc. Trop. M. Hyg., Lond., 1938–39, **32**: 191–6.—**Semadeni, B.** Erster Nachweis in der Schweiz am Spaltlampenmikroskop von zahlreichen Mikrofilarien der beiden Augen. Schweiz. med. Wschr., 1940, **70**: 275.

—— diurnal.

See **Loa** loa.

—— M. immitis.

See under **Dirofilaria.**

—— Infestation.

See also **Filariasis;** also under generic names of filarial worms.

Augustine, D. L. Observations on living sheathed microfilariae in the capillary circulation. Tr. R. Soc. Trop. M. Hyg., Lond., 1937–38, **31**: 55–60.—**Biglieri & Araoz, J. L.** Estudios sobre microfilarias (16 casos argentinos) Prensa méd. argent., 1914–15, **1**: 234–6.—**Brochard, V.** Recherches sur une microfilaire humaine des îles Wallis. Bull. Soc. path. exot., Par., 1910, **3**: 138–42.—**Fülleborn, F.** Ueber Mikrofilarien des Menschen im deutschen Südsee-Gebiet und deren "Turnus", nebst Bemerkungen über die klinischen Manifestationen der dortigen Filariasis. Arch. Schiffs Tropenhyg., 1912, **16**: 533–47.—**Harant, H., & Brès, A.** A propos de deux cas de parasitisme par filaires immatures. Bull. Soc. path. exot., Par., 1946, **39**: 286.—**Hartz, P. H., & Stadt, F. R. van de.** Microfilarial granulomas, elephantiasis and adenosis of the breast. Am. J. Clin. Path., 1947, **17**: 823–6.—**Heijde, C. G. van der.** [Investigation on microfilaria carriers among the Chinese workers in the tin industry in Banka] Geneesk. tschr. Ned. Indië, 1937, **77**: 1288–97.—**Lane, C.** The mechanism of microfilarial periodicity. Lancet, Lond., 1931, **1**: 1100.—**Okada, K.** Ketunyūbinyō-syō no 1 rei; microfilaria yūsyutu-hō ni tuite. Acta derm., Kyoto, 1942, **39**: 375–7.—**Ovalle Quintero, F.** Un portador de microfilarias. Rev. Fac. med., Bogotá, 1940–41, **9**: 377–9.—**Rodenwaldt, E.** Die Verteilung der Mikrofilarien im Körper und die Ursachen des Turnus bei Mikrofilaria nocturna und diuturna; Studien zur Morphologie der Mikrofilarien. Arch. Schiffs. Tropenhyg., 1908, **12**: Beih. 10, 1–30, 4 pl.—**Semodeni, B.** Histologischer Befund bei einem Fall von zahlreichen Mikrofilarien beider Augen. Klin. Mbl. Augenh., 1943, **109**: 35–41.—**Suárez Morales, O.** Microfilariosis en Monteagudo, Chuquisaca, Bolivia. Prensa méd. argent., 1939, **26**: pt 2, 1838–41.—**Van der Sar, A., & Hartz, H.** The syndrome, tropical cosinophilia and microfilaria. Am. J. Trop. M., 1945, **25**: 83–96.

—— Infestation—in animals.

See also **Dirofilaria; Heartworm; Litomosoides.**

Flocu, H., & Lajudie, P. de. Sur vingt-huit microfilaires animales en Guyane française. 30p. 22½cm. Cayenne, 1942.

Aldigé, E. Microfilariose du cheval en Afrique Occidental Française. Rec. méd. vét., 1920, **96:** 46–54.—**Archetti, I.** Descrizione di alcune nuove microfilarie di vertebrati africani Rendic. Ist. san. pubb., Roma, 1947, **10:** 643–63.—**Bacigalupo, J.** La evolución en el Taeniorhynchus titillans, Walker, de la microfilaria de nuestros perros. Sem. méd., B. Air., 1941, **48:** 718–23.—**Battelli, C.** Segnalazione di una microfilaria sanguicola del Corvus frugilegus. Boll. Soc. ital. med. igienc trop. (Sez. Eritrea) 1942. **1:** No. 2, 49–52, pl. ——— Segnalazione di una microfilaria sanguicola del cane in Eritrea. Ibid., 1943, **2:** No. 3, 51–4.—**Beltrán, E.** Hallazgo de microfilarias en aves mexicanas. Rev. Soc. mex. hist. natur., 1942, **3:** 85.—**Berké.** Mikrofilarien von einen Haushuhn. Zbl. Bakt., 1. Abt., 1911, **58:** Orig., 326–30, pl.—**Boughton, D. C., Byrd, E. E., & Lund, H. O.** Microfilarial periodicity in the crow. J. Parasit., Lanc., 1938, **24:** 161–5.—**Carballo Pou, M., Viera, O.** [et al.] Primera conprobación de microfilarias del perro en el Uruguay. An. Fac. vet., Montev., 1938, No. 4, 355–8.—**Carrodetti, A.** Una nuova microfilaria rinvenuta nel dig-dig, specie di antilope della Dancalia Meridionale. Riv. parassit., 1939, **3:** 335–8.—**Cassamagnaghi, A. hijo.** Nueva especie de microfilaria localizada en nódulos de la pleura, en Gallus gallus domesticus. An. Fac. vet., Montev., 1944, **4:** 439–41. ——— Microfilarias en los pájaros del Uruguay. Ibid., 1945–46, **4:** 505–14.—**Christensen, N. O.** Filariasis and microfilariasis in the horse. Acta path. microb. scand., 1944, **21:** 804.—**Curasson, G.** Essai de traitement de la microfilariose du charognard. Bull. Soc. path. exot., Par., 1920, **13:** 654.—**Dacorso Filho, P.** Notas anatomopatológicas; encefalite por microfilária em cão. Bol. Soc. brasil. med. vet., 1944, **13:** 211–7, 2 pt.—**Datta, S.** Microfilarial pityriasis in equines (lichen tropicus) Vet. J., Lond., 1939, **95:** 213–22, 2 pl.—**Dios, R. L., & Zuccarini, J. A.** Microfilaire du sang des chevaux. C. rend. Soc. biol., 1926, **95:** 827.—**Faure.** Microfilariose équine en Tunisie. Rec. méd. vét. exot., 1928, **1:** 84.—**Foley, H., & Catanei, A.** Microfilaire sanguicole de la caille. Arch. Inst. Pasteur Algérie, 1941, **19:** 342–5.—**Jakimov, W. L., & Shokhor, N. I.** Les microfilaires des animaux domestiques au Turkestan. Bull. Soc. path. exot., Par., 1914, **7:** 188. ——— [et al.] Microfilaires des animaux au Turkestan russe: chiens, bovidés, grenouilles. Ibid., 1917, **10:** 102–5.—**Jakimov, W. L., & Strischewsky, N. W.** La microfilariosi dei cavalli in Transcaucasia. Arch. ital. sc. med. col., 1932, **13:** 531–7.—**Leger, M.** Microfilaire et filaire du crapaud, Bufo marinus L. Ibid., 1918, **11:** 182–7.—**Mazza, S.** Espiroquetas y microfilarias en comadrejas (D. paraguayensis) de la zona biológica chaqueña. Reun. Soc. argent. pat. region (1935) 1939, 9. meet., **3:** 1941–5. ——— & **Franke, I.** Microfilarias de ranas (Leptodactylus occelatus L.) del norte argentino. Bol. Inst. clín. quir., B. Air., 1927, **3:** 383–5, pl. ——— & **Alvarado, S.** Algunas nuevas microfilarias de aves del norte. Ibid., 1928, **4:** 625–7.—**Mazzotti, L., & Osório, M. T.** Presencia de microfilarias sanguíneas en perros de la ciudad de México. Rev. Inst. salub. enferm. trop., Méx., 1941, **2:** 363.—**Peel, E., & Chardome, M.** Sur des filaridés de chimpanzés Pan panicus et Pan satyrus au Congo belge. Ann. Soc. belge méd. trop., 1946, **26:** 117–56, 23 pl.—**Rao, K. S. P.** Cutaneous microfilaria. Ind. Vet. J., 1941–42, **18:** 170.—**Ray, H., & Gupta, M. D.** Microfilaria columbae n. sp. du sang d'un pigeon indien: Columba intermedia. Ann. parasit., Par., 1936, **14:** 256–60, 2 pl.—**Romanovitch.** Microfilaire hémorragique du cheval. C. rend. Soc. biol., 1916, **79:** 744.—**Schnelle, G. B., & Young, R. M.** Clinical studies on microfilarial periodicity in war dogs. Bull. U. S. Army M. Dep., 1944, No. 80, 52–9.—**Sergent, E.** Modification expérimentale de la périodicité d'une microfilaire aviaire. Arch. Inst. Pasteur Algérie, 1941, **19:** 346–52, 2 pl.—**Tisseuil, J.** Processus de destruction des microfilaires vivantes par l'épiploon chez la Sarigue philander. Bull. Soc. path. exot., Par., 1934, **27:** 735–7. ——— De la longévité des microfilaires de la Sarigue philander dans la circulation générale. Ibid., 1935, **28:** 193.

—— M. malayi.

See under **Wuchereria,** malayi.

—— M. medinensis.

See **Dracunculosis.**

—— nocturnal.

See under **Wuchereria.**

—— M. ozzardi [Mansonella ozzardi]

Brevi, H. Mansonella ozzardi (Microfilaria demarquayi or Microfilaria tucumana) in one hundred consecutive admissions to Central Camp Hospital, Argentina. Med. Bull. (Standard Oil Co.) N. Y., 1941–43, **5:** 372.—**McCoy, O. R.** The occurrence of Microfilaria ozzardi in Panama. Am. J. Trop. M., 1933, **13:** 297–306, 4 pl.—**Mazzotti, L.** Comprobación de la existencia de Microfilaria ozzardi en México. Rev. Inst. salub. enferm. trop., Méx., 1942, **3:** 223–8, pl.—**Vogel, H.** Ueber Mikrofilaria demarquayi und die Mikrofilaria aus Tucuman in Argentinien. Arb. Tropenkrankh. (Festschr. B. Nocht) 1927, 573–84.

—— M. perstans.

See under **Acanthocheilonema,** perstans.

—— M. sanguinis.

See under **Wuchereria.**

—— M. streptocerca.

See under **Wuchereria,** bancrofti.

—— Vector.

Toumanoff, C. A propos de la dégénérescence brune des microfilaires chez les moustiques, sa nature; analogie avec les black spores de Ross. Bull. Soc. path. exot., Par., 1940, **33:** 372–7.—**Transmission** (The) of a microfilaria of monkeys. J. Trop. M. Hyg., Lond., 1941, **44:** Suppl., 40.

—— M. volvulus.

See under **Onchocerca.**

MICROFILM.

See also **Documentation; Motion picture; Photoduplication; Science,** Information service; also **Photograph; Radiograph.**

Seidell, A. Filmstats, a new means for the advancement of science. p.415–8. 28½cm. [n. p.] 1935.

Repr. from J. Chem. Educ., 1935, **12:** No. 9.

Carter, R. W. Metal film for permanent records. J. Docum. Reprod., 1938, **1:** 354–61.—**Michel, K.** Der plastische Mikrofilm. Zeiss Nachr., 1939–40, 3. Folge, 240–9.—**Normalisation** des films parlants de 16 mm.; rapport ... de l'American Standards Association. P. verb. Congr. internat. photogr. (1935) 1936, 9. Congr., 655–66 [Discussion] 837.—**Proposed** American standard practice for microfilms, Z38.7.8. J. Optic. Soc. America, 1944, **34:** 243.—**Zisman, S. B.** Photorecord microfilm. In: Graphic Graflex Photog. (Morgan, W. D., & Lester, H. M.) N. Y., 1943, 127.

—— Acquisition and preservation.

See also **Library,** Acquisition.

Documentary reproduction. Brit. M. J., 1942, **2:** 103.—**Lilliput** library. Lancet, Lond., 1943, **2:** 21.—**Metcalf, K. D.** Implications of microfilm and microprint for libraries. Libr. J., N. Y., 1945, **70:** 718–23.—**Pratt, V. E.** The micro-copy film situation; a discussion of films for library use. Ibid., 1936, **61:** 260–3.—**Walter, M. E.** Practical points on microfilms. Bull. M. Libr. Ass., 1941–42, **30:** 80–4.—**Wilson, W. J.** Manuscripts in microfilm; problems of librarian and custodian. Libr. Q., 1943, **13:** 212–26. ——— Manuscripts in microfilm; problems of cataloger and bibliographer. Ibid., 293–309.

—— Photography.

See also **Microphotography 1.**

De Sola, R. Microfilming. 258p. 16cm. N. Y., 1944.

Greenwood, H. W. Document photography. 2. ed. 163p. 19cm. Lond., 1943.

Raney, M. L. Microphotography for libraries. 138p. 22cm. Chic., 1936.

Bennett, M. A., & Litchfield, D. H. Problems of microphotography. Bull. M. Libr. Ass., 1939–40, **28:** 105–9.—**Danton, J. P.** Microphotography in a University Library. J. Docum. Reprod., 1938, **1:** 297–315.—**Fletcher, H. F.** Textual microphotography for the individual scholar. Ibid., 316–29.—**Johnson, A.** Some early experiences in microphotography. Ibid., 9–19.—**Litchfield, D. H., & Bennett, M. A.** Teaching microphotography to librarians. Libr. J., N. Y., 1945, **70:** 734–7.—**Microfilm** photography. Science, 1942, **96:** 266.—**Microfilming,** a new servant of science. Laboratory, Pittsb., 1939, **10:** 12–5.—**Peters, M. L.** Cleveland calls microphotography an essential library service. Libr. J., N. Y., 1945, **70:** 726–30.—**Robertson, B.** Microphotography in Australia. J. Docum. Reprod., 1942, **5:** 30–6.—**Rush, N. O.** Microphotography in the curriculum of the liberal arts college. Ibid., 89–92.

—— Photography: Equipment.

Bendikson, L. The miniature camera in library work. Army M. Bull., 1938, **45:** 37–40.—**Bobb, F. W.** Microfilm camera adapted for reproducing photographs. J. Docum. Reprod., 1942, **5:** 219–21.—**Brennan, J. P.** Microfilming, machine tool of management. Ibid., 81–8.—**Caggiano, D.** An improved book holder. Ibid., 216–8.—**Microfilm** (The)

equipment. Yearb. Am. Philos. Soc. (1937) 1938, 100–6.—**Moen, A. J.** Adapter for processing 70-mm. roll film in open tanks. Pub. Health Rep., Wash., 1947, **62:** 512, pl.—**Robins, A. B.** An improved filing cabinet for 35-mm. film. U. S. Nav. M. Bull., 1944, **42:** 708–11.—**Useful** (A) microfilming accessory. Laboratory, Pittsb., 1939, **10:** 66.

—— Projects.

Cibella, R. C. Directory of microfilm sources, including photostat service. 56p. 25½cm. N. Y., 1941.

Committee on Scientific Aids to Learning. Microphotography for scholarly purposes; report of an inquiry. 40 numb. l. 27½cm. N. Y., 1940.

Microfilm abstracts. Ann Arb., v.**2**, 1940–

Dahl, F., & Knutsson, K. Om mikrofotografering av tidningar; två föredrag hållna vid svenska bibliotekariesamfundets möte i Upsala den 6 juni 1948. Biblioteksbladet, 1948, **33:** 148–57.—**Erickson, E. L.** A program for microcopying historical materials. J. Docum. Reprod., 1942, **5:** 3–29. ——— Microphotography at the American Historical Association. Ibid., 49–52.—**Jenkins, W. S.** Peregrinations of an itinerant microphotographer; microfilming the journals of state legislatures. Ibid., 177–97.—**Jolley, L.** The use of microfilm for completing sets. J. Docum., Lond., 1948–49, **4:** 41–4.—**Libri sintetici.** Minerva med., Tor., 1940, **31:** pt 2, varia, 128.—**Lodge, C.** Acquisition of microfilms; commercial and institutional sources. Coll. & Res. Libr., Chic., 1946, **7:** 226–30.—**Micro-books** to be mass produced. Connecticut M. J., 1943, **7:** 719.—**Shaw, R. R.** Continuous fotoprinting at the U. S. D. A. Library. Libr. J., N. Y., 1945, **70:** 738–41.—**Tate, V. D.** File microcopy projects; the National Archives. J. Docum. Reprod., 1942, **5:** 227–35.—**Worth, J. T.** Microfilming in Kentucky. Ibid., 93–7.

—— Reading machine.

Draeger, R. H. Microfilm reading machine. 13p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Project X–171, U. S. Nav. M. Res. Inst.

Litchfield, D. H., & Bennett, M. A. Microfilm reading machines; reprints. v. p. 25cm. Morningside Heights, 1943.

Ciechanow, S. A. Film viewer. U. S. Patent Off., 1939, No. 2,182,514.—**Litchfield, D. H., & Bennett, M. A.** Microfilm reading machines. Spec. Libr., Newark, 1943, **34:** 15; passim.—**Microfilm** projector for Army hospitals. Bull. U. S. Army M. Dep., 1945, No. 88, 62.—**Microfilm** projectors. Lancet, Lond., 1947, **1:** 382.—**Microfilm** reader. Rev. Sc. Instrum., 1942, **13:** 271.—**Microfilm** and slide hand viewer. J. Am. M. Ass., 1943, **122:** 1261.—**Naramore, W. W.** Viewer for transparencies. U. S. Patent Off., 1944, No. 2,345,416.—**O'Gorman, W. F.** Microfilm reader. Ibid., 1946, No. 2,403,747.—**Proposed** American standard specifications for microfilm readers, Z38.7.9. J. Optic. Soc. America, 1944, **34:** 244.—**Raney, M. L.** Reading miniature photo-copy. Libr. J., N. Y., 1936, **61:** 136–8.—**Rush, N. O.** Notes on building a reading machine. J. Docum Reprod., 1943, **5:** 146–9.—**Schuster, E. H. J.** A new form o microfilm reader. Nature, Lond., 1944, **153:** 155–7.—**Stahl K. M.** Viewing device. U. S. Patent Off., 1912, No. 1,019,853

—— Use.

See also **Record,** medical.

Beeny, L. E. Don't be afraid to microfilm. J. Am. Ass. M. Rec. Librarians, 1948, **19:** 31.—**Bobb, F. W.** Applying microfilm in a war agency. Spec. Libr., Newark, 1948, **39:** 50–2.—**Davis, W.** Microfilm in research. In: Med. Physics (Glasser, O.) Chic., 1944, 727–9.—**File** it on microfilm. Sc. Illust., N. Y., 1948, **3:** No. 2, 96.—**Glanzer, P.** They file on film. Brit. Chem. Digest, 1946–47, **1:** 338.—**Green, P. D.** Microfilm magic. Sc. American, 1947, **177:** 60–3.—**Hallock, M.** Microfilming, why we decided against it. J. Am. Ass. M. Rec. Librarians, 1948, **19:** 35.—**Hayt, E.** The legal future of microfilmed records. Mod. Hosp., 1944, **62:** 61.—**Jortberg, C. A.,** jr. Perpetuation of essential records by microfilming. Water Works & Sewer., 1943, **90:** 439–42.—**Kögel, G.** Das Kleinstbild. Arch. Krim., 1926, **79:** 167.—**Larsen, A. O.** The pros and cons of microfilming. J. Am. Ass. M. Rec. Librarians, 1948, **19:** 33.—**McMahon, L. N.** Little pictures; big savings; microfilm has joined the war effort, lending its advantages to civilian and military uses alike. Sc. American, 1942, **167:** 121–4.—**Microfilm;** for tomorrow's vital information. Am. Opt. Vision, 1942, **26:** 14.—**Moholy, L.** Documentary reproduction. Nature, Lond., 1946, **157:** 29; 38.—**Ogilvie, D. W.** Microfilming in the hospital. Canad. Hosp., 1944, **21:** No. 11, 34. ——— Microfilming in Canadian hospitals. Ibid., 1947, **24:** No. 3, 48.—**Sister Virgine.** How micro-filming has solved our problem. J. Am. Ass. M. Rec. Librarians, 1947, **18:** 37.—**Tate, V. D.** Microphotography in wartime. J. Docum. Reprod. 1942, **5:** 129–38.

—— Use, documentary and scientific.

See also **Research,** Methods.

Special Libraries Association. Directory of microfilm services in the United States and Canada. 30p. 23cm. N. Y., 1946.

Washington, D. C. American Documentation Institute. Bibliofilm service. 6p. 21½cm. Wash., 1938.

Washington, D. C. Army Medical Library. Medicofilm service. Medicofilm service of the Army Medical Library. 26p. 21½cm. Wash., 1940.

Adams, K. A microfilm service in Washington, D. C. J. Docum. Reprod., 1942, **5:** 103–7.—**Brown, F. M.** The use of slidefilms in libraries. Spec. Libr., Newark, 1942, **33:** 363.—**Bultingaire, L.** L'extension de la documentation scientifique par une utilisation plus rationelle des périodiques. Rev. sc., Par., 1938, **76:** 447–53.—**Burrow, K. W., & Mellor, D. P.** Microfilm for the scientist and scholar. Austral. J. Sc., 1945, **8:** 4–6.—**Busson, F.** Le microfilm. Méd. trop., Marseille, 1948, **8:** 492–4.—**Chilton, L. V.** Microfilm and other means of documentary reproduction. Nature, Lond., 1945, **156:** 24–6.—**Comparative** cost estimated in microfilm service and book lending. J. Am. M. Ass., 1941, **117:** 2265.—**Dally, P.** Microfilms. Presse méd., 1937, **45:** 1879–81.—**Hahn, A.** A propos d'un nouveau système mondial de bibliographie médicale. Sem. hôp. Paris, 1946, **22:** Suppl., 19.—**Hsiao, T. Y.** Microfilm and the reconstruction of China. J. Docum. Reprod., 1942, **5:** 222–6.—**Jones, H. W.** Medical research and the microfilm. Mil. Surgeon, 1941, **89:** 172–6.—**Kappes, M.** Microfilm in the Joseph Brennemann Library. Case Rep. Child. Hosp., Chic., 1943, **2:** No. 9, 18.—**Library** facilities. Circ. M. Sect. Far East Command, 1948, **3:** 2.—**Litchfield, D. H.** Station WIP broadcast on microfilm. Spec. Libr., Newark, 1942, **33:** 364–7.—**Mayer, C. F.** Bibliofilm service. Bull. M. Libr. Ass., 1937, **26:** 153.—**Metcalf, K. D.** Usos del microfilm y de la microfotografía en las bibliotecas. Fénix, Lima, 1945, 395–407.—**Microfilm** and medical literature. Lancet, Lond., 1945, **2:** 856.—**Policard, A.** Renseignements sur l'emploi des microfilms dans la documentation scientifique d'aujourd'hui. Bull. histol. appl., Lyon, 1946, **23:** 14–6.—**Raney, M. L.** Microphotography in the service of science. Bull. M. Libr. Ass., 1936, **25:** 81–8.—**Redepenning, W.** Ueber Probleme der Lesefilm-Technik. Zbl. Biblioth., 1948, **61:** 121–8.—**Seidell, A.** Microfilm copies of scientific literature. Health Off., Wash., 1936–37, **1:** 388. ——— Utilization of microfilms in scientific research. Science, 1939, **89:** 32–4. ——— Microfilm copying as an extension of library service. Spec. Libr., Newark, 1944, **35:** 417–9.—**Servicio** de biblioteca película de la Biblioteca médica de la Escuela de medicina tropical. Bol. As. méd. Puerto Rico, 1946, **38:** 182.—**Shaw, R. R.** Bibliofilm service of the U. S. Department of Agriculture Library. J. Docum. Reprod., 1942, **5:** 198–208.—**Storing** (The) of data on microfilm. Brit. Chem. Digest, 1947–48, **2:** 135.—**Transfer** of ASLIB Microfilm Service. Brit. M. J., 1946, **1:** 173.

MICROFILM abstracts; a collection of abstracts of doctoral dissertations which are available in complete form on microfilm. Ann Arb., v.**2**, 1940–

MICROFILM letter; Bureau of Medicine and Surgery. No. 3. 6p. 27cm. Wash., 1943.
Mimeographed.

MICROFLORA.

See also **Soil,** Microbiology.

Bogopolsky, M. D. [Biological activity of the soil microflora of the Stakhanov fields (Ukraine)] J. mikrob., Kiev, 1940, **7:** No. 4, 79–95, pl.—**Gibson, T.** The urea-decomposing microflora of soils. Zbl. Bakt., 2. Abt., 1935, **92:** 364; 414.—**Kholodny, N. G.** A soil chamber as a method for the microscopic study of the soil microflora. Arch. Mikrob., Berl., 1934, **5:** 148–56. ——— [Investigation of soil microflora by means of germination of soil dust] Mikrobiologia, Moskva, 1936, **5:** 159–66, 2 pl. Also Arch. Mikrob., Berl., 1936, **7:** 286–96.—**Krasilnikov, N.** [Microflora of soils as influenced by plants] Mikrobiologia, Moskva, 1944, **13:** 187–98. ——— **Kriss, A. E., & Litvinov, M. A.** [Effect of the root-system on the soil microflora] Ibid., 1936, **5:** 270–86.—**Kubiena, W., & Renn, C. E.** Micropedological studies of the influence of different organic compounds upon the microflora of the soil. Zbl. Bakt., 2. Abt., 1934–35, **91:** 267–92, 3 pl.—**Newman, A. S., & Norman, A. G.** The evaluation of the microflora of soil at various depths. J. Bact., Balt., 1941, **42:** 144.

MICROFORM (1945)

See **Cornea,** Erosion, in 5. ser.

MICROGAMETE.

See **Gamete; Gametocyte; Protozoa.**

MICROGASTERINAE.

See also Hymenoptera.

Kutîn, A. Die gelbbeinige Schlupfwespe (Microgaster glomeratus L.) der Verderber der Kohlraupe, als indirekter Schädling des Weizens. Zschr. Pflanzenkr., 1916, **26**: 452–4.—**Reum, W.** Zur Biologie der Gattung Microgaster Latr. unter besonderer Berücksichtigung der Entwickelung aus der Puppe von Pieris brassicae L. Biol. Zbl., 1912, **32**: 722.

MICROGENESIS.

See **Abnormities; Dwarfism; Growth,** abnormal and retarded.

MICROGENIA.

See **Chin,** Diseases; **Jaw,** Macro- and micrognathism.

MICROGEOMETRY.

See also **Micrometry; Microscopy,** Methods.

Okajima, K. Mikrogeometrische Messung. p.2021–41. 8°. Berl., 1932.

In: Handb. bioi. Arbeitsmeth. (Abderhalden, E.) Abt. 5. Teil 2, pt. 2.

MICROGLIA.

See also **Brain,** Histology; **Cerebellum,** Histology; **Glioma,** Astrocytoma; **Nervous system,** Histology; **Neuroglia; Spinal cord,** Histology.

Bairati, A. Studi sulla nevroglia; struttura degli astrociti. Monit. zool. ital., 1947, **56**: Suppl., 188–91.—**Bourgeois, P.** La névroglie et la microglie. Ann. anat. path., Par., 1930, **7**: 853–62.—**Cherniakhovsky, A. G.** [Effect of cytotoxic antireticular serum on microglia] J. méd., Kiev, 1939–40, **9**: 1201–9, 7 pl.—**Del Rio Hortega, P.** Concepts histogénique, morphologique, physiologique et physio-pathologique de la microglie. Rev.neur., Par., 1930, **37**: pt 1, 956–86. Also Ann. méd. psychol., Par., 1930, **88**: pt 2, 347–9. ——— The microglia. Lancet, Lond., 1939, **1**: 1023–6.—**Dewulf, A.** La microglie normale chez le singe (Macacus rhesus) J. belge neur. psychiat., 1937, **37**: 341–65, 12 pl.—**Gans, A.** [Del Rio-Hortega's third element in the central nervous system] Ned. tschr. geneesk., 1923, **67**: pt 2, 1024–7.—**Gozzana, M.** Osservazioni sulla microglia in alcune specie di vertebrati. Riv. neur., Nap., 1929, **2**: 322–7.—**Miyagawa, R.** Untersuchung über Hortegaschen Zellen. Tr. Soc. path. jap., 1933, **23**: 915–20.—**Nlculescu I. T.** [Neuroglio-microglial system] Rev. şt. med., Bucur., 1931, **20**: 1336–47.—**Schaffer, K.** Ueber die Hortegasche Mikroglia. Zschr. ges. Anat., 1. Abt., 1926, **81**: 715–9.

—— Diseases.

Bolsi, D. Le trasformazioni patologiche della microglia studiate con un nuovo metodo d'impregnazione all'argento ridotto (cellule a bastoncello e corpi granulo-adiposi) Riv. pat. nerv., 1927, **32**: 907–47. ——— Ricerche sulla microglia ed oligodendroglia; corpo granulo-adiposi. Ibid., 1930, **36**: 74–104. ——— Richerche sulla microglia e la oligodendroglia; alterazioni degenerative. Ibid., 1931, **37**: 1–13.—**Bratiano, S., & Llombart, A.** La mésoglie (microglie) dans la maladie de Borna. C. rend. Soc. biol., 1929, **101**: 792–4.—**Cárdenas Pupo, M. D.** Intervención de la microglía en la meningoencefalitis por Salmonella. Rev. med. trop. parasit., Habana, 1938, **4**: 55–7, 5 pl.—**Cardona, F.** Sui quadri istopatologici della microglia cerebrale umana. Riv. pat. nerv., 1937, **50**: 141–7.—**Creutzfeldt, H. G., & Metz, A.** Ueber Gestalt und Tätigkeit der Hortegazellen bei pathologischen Vorgängen. Zschr. ges. Neur. Psychiat., 1926, **106**: 18–53.—**Frigerio, A.** Reazioni microgliali a cause tossinfettive. Riv. pat. nerv., 1930, **35**: 256.—**Garofeanu, M., & Ornsteln, I.** Réaction de la microglie dans l'inanition. C. rend. Soc. biol., 1928, **99**: 1179.—**Gozzano, M.** La microglia e la nevroglia nelle lesioni sperimentali lente del cervello; compressioni cerebrali. Boll. Soc. ital. biol. sper., 1932, **7**: 242–5.—**Kálló, A., & Dubrauszky, V.** Sulle alterazioni postmortali della microglia. Riv. neur., Nap., 1931, **4**: 84–9.—**Lorente, A.** La microglie dans les ectodermoses neurotropes. Rev. neur., Par., 1930, **37**: pt 1, 1027.—**Marcovitz, E., & Alpers, B. J.** Swelling of the microglia; reaction to intoxication. Arch. Neur. Psychiat., Chic., 1934, **31**: 1045–54.—**Marinesco, G.** Recherches sur la structure normale et pathologique de la microglie. Ann. anat. path., Par., 1930, **7**: 153–99.—**Meduna, L.** Beiträge zur Histopathologie der Mikroglia. Arch. Psychiat., Berl., 1927, **82**: 123–93.—**Mogilnitzky, Marcuse, K., & Shdanov, I.** Die Einwirkung der Sensibilisierung auf die Mesoglia und das retikuloendotheliale System. Frankf. Zschr. Path., 1933, **46**: 210–7.—**Penfield, W.** Microglia and the process of phagocytosis in gliomas. Am. J. Path., 1925, **1**: 77–89, 8 pl.—**Scholz, W.** Einiges über progressive und regressive Metamorphosen der astrocytären Glia. Zschr. ges. Neur. Psychiat., 1933, **147**: 489–504.—**Seifried, O.** Die Hortegaschen Zellen im entzündlichen Reaktionskomplex der Bornaschen Krankheit Arch. wiss. prakt. Tierh., 1931, **63**: 294–306.—**Shakhnovich, R. A.** [Microglia (mesoglia) reaction in infections of the central nervous system] J. nevropat. psikhiat., Moskva, 1931, **24**: 68–72.—**Testa, M.** Le cellule di Gluge, le cellule a bastoncello di Nissl e la mesoglia. Fol. med., Nap., **14**: 725–34.—**Ugurgieri, C.** La microglia e l'oligodendroglia nelle intossieazioni da istammina, guanidina, acido cloridrico, tallio e piombo. Rass. stud. psichiat., 1930, **19**: 957–78.—**Urechia, C. I., & Mihalescu.** Recherches expérimentales sur la microglie. Arch. gen. neur., Nap., 1930, **11**: 95–101, 4 pl.—**Vizioli, F.** Alterazioni tossiche e post-mortali della microglia e dell'oligodendroglia. Boll. Soc. ital. biol. sper., 1929, **4**: 1031–6. ——— La microglia e l'oligodendroglia nelle intossicazioni sperimentali e nelle alterazioni post-mortali. Riv. neur., Nap., 1929, **2**: 365–86, pl.

—— Function.

Bazgan, J., & Enachescu, D. Recherches expérimentales sur la microglie. Ann. anat. path., Par., 1929, **6**: 44–56.—**Belezky, V. K., & Garkavi, N. L.** [Protective rôle of the mesoglia cells and hemato-encephalic barrier] J. nevropat. psikhiat., Moskva, 1930, **23**: 33–41.—**Bratianu, S., & Guerriero, C.** Nouvelles recherches expérimentales sur les cellules à fonction colloïdopexique de l'encéphale et sur la microglie de Del Rio Hortega. Arch. anat. micr., Par., 1930, **26**: 335–72, 7 pl.—**Buño, W.** Sobre las relaciones entre la microglía y el sistema retículo-endotelial. An. Fac. med., Montev., 1933, **18**: 732–47, 3 pl.—**Campanini, A.** La funzione ed il significato della microglia alla luce delle moderne vedute. Gior. batt. immun., 1936, **16**: 619–39.—**Daddi, G.** Studi sulla microglia; dimostrazione di una probabile proprietà lipopessica delle cellule microgliali. Sperimentale, 1931, **85**: 5–24, pl.—**Dunning, H. S., & Furth, J.** Studies on the relation between microglia, histiocytes and monocytes. Am. J. Path., 1935, **11**: 895–913, 3 pl.—**Urechia, C. I., & Elekes, N.** Contribution à l'étude de la microglie. Arch. internat. neur., Par., 1926, 19. ser., **2**: 81–96, 5 pl.

—— Histology and staining.

Belezky, V. K. Die Pyridinsodamethode zur Imprägnation der Mesoglia (Hortegazellen, Oligodendroglia, Drenagezellen) und Reticuloendothelzellen (für Gelatin und Celloidinschnitte) Virchows Arch., 1931, **282**: 214–24.—**Bertolucci, I.** Un nuovo metodo per la microglia (metodo Bianchi) Rass. stud. psichiat., 1935, **24**: 659–72.—**Bolsi, D.** Nuovi metodi per l'impregnazione della microglia. Gior. Accad. med. Torino, 1927, 4. ser., **33**: 262–6. ——— Un nuovo metodo d'impregnazione della microglia. Riv. pat. nerv., 1927, **32**: 898–907. ——— Ricerche sulla microglia ed oligodendroglia; metodi d'impregnazione. Ibid., 1930, **36**: 60–73.—**Bozzolo, E.** Estudios acerca de la microglía y de su técnica histológica. An. Fac. med., Montev., 1931, **16**: 735–48. Also Arch. Soc. biol. Montevideo, 1931, **3**: 151–61.—**Buno, W.** Colorisation vitale de la microglie. C. rend. Soc. biol., 1933, **114**: 783.—**Cardona, F.** Osservazioni sui metodo ad impregnazione della microglia; un nuovo metodo per la dimostrazione della microglia su materiale umano fissato in formalina. Riv. pat. nerv., 1930, **36**: 603–10.—**Carrillo, R.** Aspectos morfológicos de la astroglía microglía con el método cromoargéntico de Hortega, derivado de Golgi. Arch. argent. neur., 1938, **19**: 99–114.—**Dubrauszky, V.** [New method for impregnation of the microglia] Magy. orv. arch., 1931, **32**: 159–63.—**Giuntoli, L.** Il nuovo metodo Bolsi per la microglia. Rass. stud. psichiat., 1927, **16**: 537–47.—**Hornet, T., & Pfleger, R.** Sur une métode d'imprégnation de la microglie par le sulfate d'argent. C. rend. Soc. biol., 1934, **117**: 277–9.—**Kanzler, R.** Eine Modifikation der Darstellung der Hortegaschen Gliazellen für Formalinmaterial. Zschr. ges. Neur. Psychiat., 1929, **122**: 416–9.—**King, L. S.** Vital staining of microglia. Arch. Path., Chic., 1935, **19**: 656–72.—**Kufs, H.** Bemerkungen zur Kanzlerschen Modifikation der Darstellung der Hortega-Zellen für Formalinmaterial. Zschr. ges. Neur. Psychiat., 1929, **122**: 420–2.—**Lippi Francesconi, G.** Comparazione di alcuni metodi d'impregnazione argentica della microglia su matériale fissato in formolo. Rass. stud. psichiat., 1931, **20**: 543–54.—**Mir, L.** Méthode nouvelle pour la coloration de la microglie dans les pièces anciennement formolées. C. rend. Soc. biol., 1929, **102**: 657. Also Crón. méd. quir. Habana, 1930, **56**: 1.—**Miyagawa, R.** Studien über die Hortegaschen Zellen; Studien über die Färbungsmethoden zur Darstellung der Hortegaschen Zellen. Mitt. Med. Akad. Kioto, 1933, **9**: 476. ——— Histologische Studien über die normale Form der Hortegaschen Zellen. Ibid., 749.—**Negrin, J.,** jr. A method for staining microglia. Arch. Path., Chic., 1940, **30**: 768–71.—**Pacifico, A.** Possibilità d'impregnazione della microglia su fette in paraffina. Riv. neur., Nap., 1936, **9**: 298–303.—**Pancanti, G.** I metodi Belloni e Bianchi per la microglia. Rass. stud. psichiat., 1937, **26**: 781–9. ——— Il metodo del Dubrauszky per la microglia ottenuto partendo dal formolo. Ibid., 1939, **28**: 52–8.—**Piolti, M.** Tentatives de coloration vitale de la microglie. Rev. neur., Par., 1930, **37**: pt 1, 1004–11.—**Russell, D. S.** Intravital staining of microglia with trypan blue. Am. J. Path., 1929, **5**: 451–7, 2 pl.—**Stern, J. B.** Neue Silberimprägnationsversuche zur Darstellung der Mikro- und Oligodendroglia (an Celloidinserienschnitten anwendbare Methode) Zschr. ges. Neur. Psychiat., 1932, **138**: 769–74.—**Wells, A. Q., & Carmichael, E. A.** Microglia; an experimental study by means of tissue culture and vital staining. Brain, Lond., 1930, **53**: 1–10, 3 pl.

—— Morphogenesis.

Bolsi, D. Il problema della origine della microglia. Riv. pat. nerv., 1936, **48**: 1–128.—**Dougherty, T. F.** The origin and

structure of the microglia cells. Anat. Rec., 1942, 82: 407 (Abstr.)—**Ferrer, D., & Salvans, I.** Acerca del origen de la microglia. Rev. méd. Barcelona, 1934, 21: 143–59.—**Gozzano, M.** Ricerche sull'istogenesi della microglia. Boll. Soc. ital. biol. sper., 1929, 4: 1028–31. ——— Quelques observations sur l'origine de la microglie. Rev. neur., Par., 1930, 37: pt 1, 1024–7. ——— L'istogenesi della microglia. Riv. neur., Nap., 1931, 4: 225; 374. ——— Sulla istogenesi della microglia. Monit. zool. ital., 1932, 42: suppl., 141–4.—**Ionesco-Mihaeşti, C., & Tupa, A.** A propos de l'origine mésodermique de la microglie et de son rôle physiologique. C. rend. Soc. biol., 1929, 100: 1084.—**Juba, A.** Untersuchungen über die Entwicklung der Hortegaschen Mikroglia des Menschen. Arch. Psychiat., Berl., 1933, 101: 577–92. ——— Das erste Erscheinen und die Urformen der Hortegaschen Mikroglia im Zentralnervensystem. Ibid., 1934, 102: 225–32.—**Stern, I. B.** [Histo-cyto-morphogenesis of neurology in man; criticism of conceptions on the mesenchymal origin of microglia] Tr. Inst. Gannushkina, Moskva, 1940, 5: 670–98, 6 pl.—**Testa, M.** Sulla genesi della microglia. Boll. Soc. ital. biol. sper., 1929, 4: 761, pl.

—— Topography.

Blanchini, F. Microglia e reticolo diffuso-pericellulare. Riv. neur., Nap., 1935, 8: 40–4.—**Civalleri, A.** Microglia e sistema reticolo-endoteliale. Gior. batt. immun., 1931, 6: 12–37.—**Tolone, S.** Sulle terminazioni parenchimali dell'astroglia. Acta neur., Nap., 1948, 3: 335–44, 4 pl.—**Vázquez-López, E.** Ueber die Beziehungen der Mikroglia zu den Gefässen. Arch. Psychiat., Berl., 1935–36, 104: 652–62.—**Visintini, F.** Sulla presenza di cellule ramificate simili alla microglia, nel cuore, nei muscoli volontari e nella vescica urinaria. Riv. pat. nerv., 1931, 37: 36–47.—**Winkler, E.,** jr. [The significance of Rio del Hortega's study of the neuroglia in the histopathology of the central nervous system] Psychiat. neur. bl., Amst., 1926, 30: 91–101, 4 pl. ——— [Importance of microglia in the formation of senile plaques] Ibid., 1933, 37: 15–25, 22 pl.

MICROGNATHY.

See **Jaw,** Macro- and micrognathism; **Mandibula,** Micrognathy and hyperplasia; **Maxilla,** Abnormity.

MICROGRAPH $_1$.

See also **Diagnosis,** Instruments; **Kinetography.**

Austin, J. H., & Piersol, G. M. The use of the Crehore micrograph in clinical and experimental studies of cardiovascular conditions (Abstr.) Proc. Path. Soc. Philadelphia, 1913, 15: 32.—**Crehore, A. C., & Meara, F. S.** The micrograph: an instrument which records the microscopic movements of a diaphragm by means of light interference, and some records of physiological events showing the registration of sound waves including the human voice. J. Exp. M., 1911, 8: 616–25, 9 pl.

MICROGRAPH $_2$.

See also **Microgeometry; Micrography,** Photomicrography; **Microscopy,** Methods; **Motion picture.**

Baecker, R. Einfache Bestimmung der Vergrösserung von Mikrophotographien. Zschr. wiss. Mikr., 1937, 54: 101.—**Bryson, V.** Curvature of field in photomicrographs. J. Biol. Photogr. Ass., 1944–45, 13: 181–3.—**Heard, O. O.** Direct photomicrographic half-tone negatives for color reproductions. Ibid., 1936–37, 5: 57–63, pl.—**Hellmer, A. M.** Recording magnification in photomicrographs. Ibid., 1944–45, 13: 41.—**Kieffer, J.** Print criticism; photomicrography of leucocytes. Ibid., 1936–37, 5: 194.—**Ledden Hulsebosch, C. J. van.** Haarscherpe fotografieën. Pharm. wbl., Amst., 1928, 65: 493–5.—**Lunkevich, M. V.** K demonstracii cvietnîkh mikrofotogramm. Tr. Imp. Kavkazsk. med. obshch., 1907–08, 44: 311–8.—**McComb, S. J.** Duplicating color slides. J. Biol. Photogr. Ass., 1940–41, 9: 210–3.—**Mandle, R. J.** Artifacts in gold shadowed electron micrographs due to electrons of high intensity. Proc. Soc. Exp. Biol., N. Y., 1947, 64: 362–6.—**Medina, F.** Expresión gráfica del aumento en las microfotografías. Rev. mex. biol., 1929, 9: 90–4.—**Rösch, S.** Kennzeichnung des Vergrösserungsgrades bei Mikrophotogrammen. Zschr. wiss. Mikr., 1933–34, 50: 273–84.—**Schmidt, L.** The preparation of photomicrographs and the effective grouping of prints in pages. J. Biol. Photogr. Ass., 1935, 3: 123–9.—**Smith, H. A.** A technique for making photomicrographic prints in color. J. Techn. Meth., Toronto, 1939, 19: 45–51, pl.—**Tomlinson, W. J.** Clinical laboratory photography with a new method of preparing photomicrographs. J. Laborat. Clin. M., 1940–41, 26: 1064–71.—**Villaseñor, C.** Estampas histológicas. Rev. cirug. Hosp. Juárez, Méx., 1937, 8: 19.—**Weber, J.** Unusual photomicrographic studies of normal and pathologic tissues. Merck Rep., 1944, 53: 16; passim.—**Williams, R. C.,** & **Wyckoff, R. W. G.** Shadowed electron micrographs of bacteria. Proc. Soc. Exp. Biol., N. Y., 1945, 59: 265–70.—**Wyckoff, R. W. G.** Electron micrographs from concentrated solutions of the tobacco mosaic virus protein. Biochim. biophys. acta, Amst., 1947, 1: 143–6, 4 pl.

MICROGRAPHY $_1$.

See also **Microgeometry; Micrograph $_2$; Microprojection; Microscopy; Motion picture.**

Baker, H. The microscope made easy; or, I. The nature, uses, and magnifying powers of the best kinds of microscopes described, calculated, and explained ... II. An account of what surprizing discoveries have been already made. 4. ed. 311p. 21cm. Lond., 1754.

González Alvarez, R. Manual de técnica micrográfica. 3. ed. 208p. 21½cm. Madr., 1944.

Souèges, R. Analyse micrographique; techniques, interprétations. 2. éd. 240p. 8° Par., 1932.

Hittmair, A. Das Photographieren und Zeichnen mikroskopischer Präparate. In: Handb. allg. Hämat. (Hirschfeld) Berl., 1933, 2: 1. Hälfte, 229–38.—**Kimpflin, G.** L'enseignement de la micrographie et son utilité. C. rend. Ass. fr. avance. sc. (1912) 1913, 41: 1027–33.—**Salazar, A. L.** Procédé rapide de dessin microscopique. Fol. anat. Univ. conimbr., 1932, 7: No. 12, 1–9, 4 pl.—**Shennan, T.** A simple method of preparing accurate pen-and-ink drawings of specimens. J. Path. Bact., Lond., 1929, 32: 164, pl.—**Walsem, G. C. van.** Weiss auf Schwarz bei der Ausführung mikroskopischer Zeichnungen. Zschr. wiss. Mikr., 1915–17, 33: 345–8. ——— Bemerkungen zur Technik des mikroskopischen Zeichnens. Ibid., 1928, 45: 59.

—— Apparatus.

See also **Microprojection; Microscope.**

Allen, W. F. An inexpensive microscopic projection and drawing apparatus. Anat. Rec., 1918, 15: 53–5.—**Begg, A. S.** A simple form of drawing apparatus. Ibid., 1915, 9: 715–7.—**Edinger, L.** Zwei neue Apparate zum Zeichnen mikroskopischer Präparate. Münch. med. Wschr., 1906, 53: 2322. ——— Ein neuer Apparat zum Zeichnen und Projizieren. Zschr. wiss. Mikr., 1907, 24: 26–34.—**Gage, S. H.** Recent developments in drawing by the aid of projecting apparatus used on house lighting system. Tr. R. Micr. Soc., Lond., 1912, 31: 177–97, 7 pl.—**Günther, H.** Edingers Zeichenspiegel. Mikrokosmos, Stuttg., 1914–15, 8: 154–6.—**Isaacs, R.** A mechanical device to simplify drawing with the microscope. Anat. Rec., 1915, 9: 711–3.—**Kasper, A.** Der Abbesche Zeichenapparat, ein Universalzeichenapparat. Zschr. wiss. Mikr., 1924, 41: 176–89.—**Kurati, M.** Ueber den einfachen Zeichenapparat von Kurati. Okayama igakkai zassi, 1936, 48: 2796.—**Metz, C.** Zeichenapparat zum Zeichnen in natürlicher Grösse oder bei schwacher Vergrösserung oder Verkleinerung. Zschr. wiss. Mikr., 1912, 29: 79–81. ——— Der makroskopische Zeichenapparat. Ibid., 1920, 37: 55–8.—**Pohlman, A. G.** Ein neues Projektionszeichenbrett. Ibid., 1906, 23: 41–4.—**Rowntree, C. W.** A simple apparatus for drawing from the microscope. Arch. Middlesex Hosp., Lond., 1908, 13: 206–8.—**Studnička, F. K.** Ueber die Verwendung des Abbeschen Zeichenapparates in Verbindung mit dem Mikroskope zum Zeichnen makroskopischer Gegenstände. Zschr. wiss. Mikr., 1925, 42: 324–8.—**Tafner, H.** Das Zeichnen auf einer durchsichtigen Zeichenfläche. Ibid., 1909, 26: 384–7.—**Weill, P.** Ein einfacher Zeichenapparat für mikroskopische Zwecke. Münch. med. Wschr., 1918, 65: 879.

—— Chronophotography.

Chevroton, L. Dispositif pour les instantanés et la chronophotographie microscopiques; technique des prises de vues. C. rend. Soc. biol., 1909, 66: 340–2.—**Storch, O.** Ueber eine Einrichtung für mikroskopische Zeitdehneraufnahmen und über die wissenschaftliche Auswertung von Filmaufnahmen Zschr. wiss. Mikr., 1929, 46: 21–44.

—— Kinemicrography.

See also under **Motion picture.**

Carlile, J. A. Photomicrography of moving objects using SM photoflash lamp. J. Biol. Photogr. Ass., 1944–45, 13: 187–90.—**Franke, K.** Die Technik photographischer Aufnahmen bei mikroskopischen und fluoreszenz-mikroskopischen Lebendbeobachtungen. In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1938, Abt. 5., T. 10, Bd 4, 973–86.—**Hughes, A. F. W.** Ciné-photo-micrography using the phase contrast method. Europ. Sc. Notes, 1949, 3: 55–7. ——— The technique of ciné-photomicrography of living cells. J. R. Micr. Soc., Lond., 1949, 69: 53–64, 2 pl.—**Kazeeff, W. N.** Moving photomicrography. Annual Rep. Bd Regents Smithson. Inst., 1937, 323–38, 12 pl.—**Kingery, H. M.** Inexpensive motion photomicrography. J. Biol. Photogr. Ass., 1934, 2: 130–40.—**Schulz, U. K. T.** Das Mysterium des Lebens vor der Mikro-Kamera. Biologe, München., 1939, 8: 131–6.—**Webster, S. H., Liljegren, E. J., & Zimmer, D. J.** Photomicrography of moving objects by electronic photoflash technique. Brit. Chem. Digest, 1947–48, 2: 394–6.

—— Photomicrography.

For photographic diminution of macroscopic objects see **Microfilm; Microphotography 2; Motion picture; Photography.**

ALLEN, R. M. Photomicrography. 2. print. 365p. 23½cm. N. Y., 1943.

DALIMIER, H. Notes pratiques de photomicrographie. 34p. 12° Par., 1909.

EASTMAN KODAK COMPANY. Photomicrography; an introduction to photomicrography with the microscope. 14. ed. 174p. 22½cm. Rochester, 1944.

LAUBENHEIMER, K. Lehrbuch der Mikrophotographie und Mikroprojektion. 2. Aufl. 272p. 8° Berl., 1931.

LONDON, ENGL. PHOTOMICROGRAPHIC SOCIETY. Journal. Lond., v.4, 1915–

SHILLABER, C. P. Photomicrography in theory and practice. 773p. 22cm. N. Y., 1944.

STADE, G., & STAUDE, H. Mikrophotographie. 202p. 24cm. Lpz., 1939.

Barnard, J. E. Photomicrography. Lancet, Lond., 1935, 1: 1146–9, pl.—**Benedek, T.** Use of photomicrography in mycological research. Chron. bot., Leiden, 1940–41, 6: 201.—**Berg.** Ueber Mikrophotographie. Deut. med. Wschr., 1910, 36: 2202.—**Boltjes, T. Y. K.** Some remarks on microphotography. Antonie van Leeuwenhoek, Amst., 1947, 12: 232–42.—**Butterfield, J. V.** Faults in photomicrography. J. Biol. Photogr. Ass., 1941–42, 10: 175–83.—**Cheavin, W. H. S.** Micrography records in medical science; the value of low power photomicrography. Middlesex Hosp. J., Lond., 1935, No. 220, 55–63.—**Ciaiola, L. F.** Practical photomicrography. Science Stud., S. Bonavent., 1939–40, 8: No. 3, 9–11.—**Foster, L. V.** Photomicrography. In: Med. Physics (Glasser, O.) Chic., 1944, 1008–13.—**Hanna, G. D.** The photography of small objects. Tr. Am. Micr. Soc., 1927, 46: 15–25.—**Hardy, A. C.** Depth of field in photomicrography. J. Biol. Photogr. Ass., 1936–37, 5: 119–23.—**Harrison, V. G. W.** Aspects of photomicrography. Nature, Lond., 1943, 151: 367–9.—**Hutchinson, C. M.** Photography from the microscope. Ind. J. M. Res., 1925–26, 13: 449–66, 5 pl.—**Jasienski, S.** Micro-télé et télé-photomicrographie. P. verb. Congr. internat. photogr. (1935) 1936, 9. Congr., 756–61.—**Knaysi, G.** A photomicrographic study of the rate of growth of some yeasts and bacteria. J. Bact., Balt., 1940, 40: 247–53.—**Kröning, F.** Aus der Praxis der Mikroskopie und Mikrophotographie. Zeiss Nachr., 1939–40, 3. Folge, 34–9.—**Llesegang, R. E.** Prinzip des minimalen Vorsprunges. Zbl. Physiol., Wien, 1910, 24: 514.—**McComb, S. J.** Some experience with microphotography. J. Biol. Photogr. Ass., 1943–44, 12: 115–20.—**Michel, K.** Die Kleinbildphotographie in der Mikroskopie. Zeiss Nachr., 1939–40, 3. Folge, 121–9.—**Moore, R. A.** Recent advances in photomicrography. J. Techn. Meth., Toronto, 1939, 19: 20–6.—**Neubauer, H.** Die Mikrophotographie, ein Hilfsmittel bei der mikroskopischen Untersuchung von Futter- und Nahrungsmitteln. Verh. Ges. deut. Naturforsch. (1904) 1905, 2. Teil, 170.—**Petersen, H.** Mikrophotographie als graphisches Problem. Verh. Phys. med. Ges. Würzburg, 1927, n. F., 52: 45–55.—**Reukauf, E.** Mit Mikroskop und Kamera; ein Wort zur Einführung. Mikrokosmos, Stuttg., 1913–14, 7: 55–64.—**Richards, O. W.** Photomicrographic notes. J. Biol. Photogr. Ass., 1941–42, 10: 109–12.—**Schloemann, E., & Trabert, E.** Die Mikrophotographie als Hilfsmittel bei der Untersuchung von Photopapieren. Zschr. wiss. Mikr., 1937, 54: 145–58.—**Seron, S. M.** Photomicrography. J. Am. Dent. Ass., 1942, 29: 556.—**Stevens, R. B., & Taylor, J. H.** Photomicrography at your convenience. Science, 1948, 108: 420.—**Trivelli, A. P. H.** Photomicrographic investigations on the resolving power of microscope objectives with the violet mercury monochromat (Wratten filter No. 50) Tr. Am. Micr. Soc., 1930, 49: 258–63.—**Vries, W. M. de.** Mikrophotographieën in kleuren. Ned. tschr. geneesk., 1908, 2. R., 44: 1. Afd., 153–9.—**Williams, R. C., & Wyckoff, R. W. G.** Electron shadow-micrographs of haemocyanin molecules. Nature, Lond., 1945, 156: 68–70. ——— Electron shadow micrography of the tobacco mosaic virus protein. Science, 1945, 101: 594–6.

—— Photomicrography: Color and illumination.

BINKIN, J. *Mikro-Photographie mit infraroten Strahlen [Basel] 10 p. 8° Białystok, 1933.

KNÖFEL, W. *Wissenschaftliche Mikrophotographie im durchfallenden Licht mit besonderer Berücksichtigung der Phototechnik [Leipzig] 31 p. 8° Glauchau, 1932.

Auer, A. Die Verwendung des Rollfilms und die Messung der Belichtungszeit in der Mikrophotographie. Zschr. wiss. Mikr., 1939, 56: 259–64.—**Bacteria** sit for color portraits in new microscopic technique. Sc. Illust., N. Y., 1946, 1: 72–5.—**Baird, T. T.** Polarized light in photomicrography; its principles and applications. J. Biol. Photogr. Ass., 1936–37, 5: 43–57.—**Balado, M., & Franke, E.** Procedimiento rápido para la obtención de microfotografías en colores. Arch. argent. neur., 1928, 2: No. 2, pl.—**Berkhofer, W. R.** Photomicrographic exposure. J. Biol. Photogr. Ass., 1944–45, 13: 131–5.—**Berthelsen, H.** Eine objektive Methode zur Bestimmung der genauen Expositionszeit bei der Mikrophotographie. Zschr. wiss. Mikr., 1934–35, 51: 383–7.—**Bödecker, C. F.** Microphotography in natural colors. Dent. Rev., Chic., 1910, 24: 1203–7.—**Boisseau, J.** Technique de la microphotographie en couleurs. Tribune méd., Par., 1910, n. ser., 43: 325.—**Buchthal, F., & Knappeis, C. G.** Eine Blitzlichtlampe zur Herstellung von Momentaufnahmen in der Mikrophotographie. Zschr. wiss. Mikr., 1935, 52: 37–44, 3 pl.—**Butterfield, J. V.** An illuminating system for large transparent sections in photomicrography. J. Biol. Photogr. Ass., 1937–38, 6: 155–71. ——— Color photomicrography. Educ. Focus, Rochester, 1946, 17: No. 2, 11–8. Also Sc. Month., 1946, 63: 30–6, pl.—**Cole, W. V.** The demonstration of cellular elements by the use of filters in photomicroscopy. J. Biol. Photogr. Ass., 1948–49, 17: 115–20.—**Collin, R.** Double coloration des microphotogrammes par l'emploi des chromogènes. Bibliog. anat., Par., 1909–10, 19: 25.—**Connolly, V. J.** Calculating exposure in photomicrography. Bull. Internat. Ass. M. Mus., Montreal, 1947, 27: 205–8.—**Ehrlich, J. C.** Photomicrography with 35 mm. kodachrome. Arch. Path., Chic., 1942, 33: 263–6.—**Ernest, H. C., & Wolbach, S. B.** Ultra-violet photomicrography (a preliminary communication) J. Med. Res., 1906, n. ser., 9: 463–9.—**Faure, G.** La luce monocromatica in fotomicrografia. Arch. farm. sper., 1913, 2: 218–23, 3 pl.—**Foster, C. S.** A laboratory setup for photomacrography of stained slides. Med. Radiogr., Rochester, 1949, 25: 19–21.—**Foster, L. V.** Photomicrography in the ultra violet. J. Biol. Photogr. Ass., 1935, 4: 14–23.—**Frantzell, A.** Mikrophotographischer Vergleich zwischen silberimprägnierten histologischen Schnitten, photographiert auf orthochromatischen und für Ultrarot sensibilisierten Platten. Upsala läk. fören. förh., 1943–44, 49: 237–44, 3 pl.—**Gräbner, K. E.** Graphische Darstellung der Filterfunktionen; ein Hilfsmittel für die Mikrofotografie. Zschr. wiss. Mikr., 1943, 59: 12–21.—**Gravelle, P. O.** Surface illumination in low and medium power photomicrography. J. Biol. Photogr. Ass., 1938–39, 7: 27–32, 3 pl.—**Grim, K. B.** Kodachrome photomicrography. J. Bact., Balt., 1942, 44: 146.—**Hansen, F. C. C.** Einige Farbfilter, sowie einige histologische Färbungen für mikrophotographische Aufnahmen. Zschr. wiss. Mikr., 1906, 23: 410–4.—**Hefley, H. M., & Smith, A. I.** A method for determining exposures for photomicrographs. J. Biol. Photogr. Ass., 1941–42, 10: 165–71.—**Hyndman, O. R., & Putnam, T.** A method of three-color photography, adapted to photomicrography, lantern slides, and paper prints. J. Laborat. Clin. M., 1935–36, 21: 850–60.—**Jones, W. R.** Lantern slides of photomicrographs in color; a simplified method. Ibid., 1937–38, 23: 1297.—**Kieffer, J.** Improved illuminating system for photomicrography with immersion lenses. J. Biol. Photogr. Ass., 1936–37, 5: 103–13.—**Koch, W.** Increasing the depth of focus in photomicrography by incident light. J. R. Micr. Soc., Lond., 1941, 61: 86, pl.—**Kodachrome** photomicrography by transmitted light. Radiogr. Clin. Photogr., 1942, 18: 12–9.—**Köhler, A.** Einige Neuerungen auf dem Gebiet der Mikrophotographie mit ultraviolettem Licht. Naturwissenschaften, 1933, 21: 165–73.—**Kornhauser, S. I.** Experience in kodachrome photomicrography. J. Biol. Photogr. Ass., 1943–44, 12: 47–53.—**Laven, L.** Lichtfilter für mikrophotographische Zwecke und ihre Herstellung. Mikrokosmos, Stuttg., 1913–14, 7: 121–5.—**Letherby, A.** Systematic exposure with transmitted light in photomicrography. J. R. Micr. Soc., Lond., 1907, 651–5.—**Löwenstein, E.** Versuche über Dreifarben-Mikrophotographie. Zschr. Tuberk., 1906–07, 10: 34. ——— Fluorescence photomicrography. J. Biol. Photogr. Ass., 1943–44, 12: 121–9.—**Loveland, R. P.** Kodachrome photomicrography of stained slides. Ibid., 143–57. ——— Determination of exposure in kodachrome photomicrography. Ibid., 1944–45, 13: 79–97.—**Maas, H.** Erfahrungen mit dem Leitzschen Monochromator. Zschr. wiss. Mikr., 1938–39, 55: 41–3, 2 pl.—**McComb, S. J.** Three-color transparencies; a method of reproducing microscopic stained sections of tissue. J. Biol. Photogr. Ass., 1936–37, 5: 31–4.—**McWhorter, F. P.** Application of fine grain processing and condenser illumination enlarging to photomicrography. Stain Techn., 1939, 14: 87–96.—**Maurer, J. A.** Exposure control in photomicrography. J. Biol. Photogr. Ass., 1943–44, 12: 173–85.—**Metzner, P.** Einfache Einrichtungen zur Fluoreszenzmikroskopie und Fluoreszenzmikrophotographie. Biol. gen., Wien, 1930, 6: 415–32, 3 pl.—**Mueller, W.** The colour plate in photomicrography. J. Techn. Meth., Toronto, 1935, 14: 54–9.—**Munhoz Braga.** A diferença de tonalidade em microfotografía com o emprêgo de filtros côrados. Arq. pat., 1938, 10: 285–93.—**Noda, S.** Sigai-sen kenbikyō-syasin ni tuite [. . . with UV rays] Zikken igaku zassi, 1937, 21: 385.—**Reinert, G. G.** Die Verwendung von Farbfiltern in der Mikrophotographie und ein neuer praktischer Filterhalter. Zschr. wiss. Mikr., 1934, 51: 253–7.—**Richards, O. W.** Color and illumination in photomicrography. J. Biol. Photogr. Ass., 1940–41, 9: 77–86.—**Royer, G. L., Maresh, C., & Harding, A. M.** Optical staining. Ibid., 1944–45, 13: 123–30, pl.—**Scheffer, W.** Bemerkungen zur Beleuchtung mikroskopischer Objekte mit auffallendem Licht für die Mikrophotographie mit kurzbrennweitigen photographischen Objektiven. Zschr. wiss. Mikr., 1914, 31: 373–9.—**Schrötter, H. von.** Beitrag zur Mikrophotographie mit ultravioletem Lichte nach Köhler. Virchows Arch., 1906, 183: 343–76. 3

pl.—**Shropshire, R. F.** Oblique photomicrographic illuminator Tr. Am. Micr. Soc., 1947, **66**: 269–71.—**Sikl, H.** Vereinfachte Berechnung der Belichtungszeit für die Mikrophotographie im durchfallenden Lichte. Zschr. wiss. Mikr., 1936, **53**: 295–302.—**Soós, A.** Eine Herstellung farbiger Mikrophotogramme. Berl. klin. Wschr., 1920, **57**: 66.—**Stähli, F.** Die Mikrophotographie mit ultravioletten Strahlen. Apothekerzeitung, 1905, **20**: 267; 289.—**Stempell, W.** Ueber feinste organische Strukturen und ihre Auflösung durch Mikrophotographie mit ultravioletten Licht. Sitzsber. Naturhist. Verein. preuss. Rheinlande (1909) 1910, Teil C, 21.—**Stüber, C.** Farbige Mikrophotographie im polarisierten Licht unter Verwendung der Kleinbildkamera. Zeiss Nachr., 1939–40, 3. Folge, 326–31.—**Sweet, A. P. S., & Brownell, C. G.** Photomicrography in full color. J. Am. Dent. Ass., 1943, **30**: 545–52.—**Tanchester, D.** Photomicrography in color. Mod. Hosp., 1943, **61**: 114–6.—**Teitelbaum, H. A., & Plagge, J. C.** A simple method for determination of exposure time in photomicrography. J. Laborat. Clin. M., 1941–42, **27**: 846–50.—**Waller, R. K., & Breedis, C.** Photomicrography in colors. J. Biol. Photogr. Ass., 1941–42, **10**: 71–7, pl.—**Weiss, R. M., & Noback, C. R.** Determination of exposure time in color photomicrography. Science, 1948, **108**: 362.—**Wieland, M.** Ein Messverfahren zur Bestimmung der Belichtungszeit für die mikrophotographische Aufnahme. Zschr. wiss. Mikr., 1936, **53**: 183–92.—**Wolff, M.** Eine selbstregulierende 2-Amp.-Fixpunkt-Bogenlampe als Miniaturscheinwerfer für subjektive Beobachtung und Mikrophotographie. Anat. Anz., 1912, **42**: 346–50.—**Wycherley, S. R.** Photomicrography and record photography with Dufaycolor. J. R. Micr. Soc., Lond., 1938, **58**: 244–9.—**Zieler, W.** Illumination systems for photomicrography by transmitted light. J. Biol. Photogr. Ass., 1933, **2**: 16–22.

—— Photomicrography: History.

BELIN, M. B. M. L'évolution de la technique photomicrographique. 85p. 25½cm. Par., 1938.

Harvey, E. B. Early biological photomicrographs. J. Biol. Photogr. Ass., 1944–45, **13**: 177–80.—**Lawson, H. B.** Early photomicrography. Ibid., 1945–46, **14**: 91–4.—**Lombardo, C.** Di due mende della lettera di Giovan Cosimo Bonomo al Redi. Gior. ital. derm. sif., 1937, **78**: Suppl., 337.—**Schlumberger, H. G.** J. J. Woodward and photomicrography during the Civil War. J. Techn. Meth., Toronto, 1945, **25**: 81–6.

—— Photomicrography: Instruments.

See also **Microprojection; Microscope.**

CELLOIDINE; directions for making collodion with same, for photographic and microphotographic purposes. 2 l. 8° Balt., ca 1907.

Aosima, S. Hutū no camera wo motiite okonau kan-i kenbikyō syasin satuei-hō ni tuite. Igaku & seibutugaku, 1942, **1**: 202.—**Ardaseer, G.** Photo-micrography without a microscope; simple apparatus for low power magnification. Sc. Am. Month., 1920, **1**: 229.—**Baecker, R.** Zur Mikrophotographie mit dem photographischen Okular Phoku (Zeiss) Zschr. wiss. Mikr., 1929, **46**: 257.—**Boutry, G. A., & Billard, P. L.** Un nouveau type d'objectif pour le microscope photographique. C. rend. Acad. sc., 1947, **224**: 1496–8.—**Bowen, J. P.** Microphotography with professional view camera. J. Nat. M. Ass., 1939, **31**: 246.—**Colombo, L.** Banco ottico per microfotografia, fotografia di soggetti, riproduzioni, ingrandimenti, osservazione e fotografia del fondo oculare. Osp. maggiore, Milano, 1919, 3. ser., **7**: 199–202.—**Dämmrich, R.** Einige Versuche über die Brauchbarkeit der Lifa-Lichtfilter fur mikrophotographische Zwecke. Mikrokosmos, Stuttg., 1926–27, **20**: 45–8.—**Delattre, G.** Sur une chambre noire pour photographie microscopique. J. pharm. chim., Par., 1913, 7. ser., **8**: 118–20.—**Durante, G.** Un appareil simple pour la micro-photographie. Bull. Soc. anat. Paris, 1923, **93**: 145–50.—**Earle, W. R.** A simple photoelectric exposure meter for use in photomicrography. J. Biol. Photogr. Ass., 1938–39, **7**: 54–8. ——— Production of malignancy in vitro; photomicrographic equipment. J. Nat. Cancer Inst., 1943–44, **4**: 135–45.—**Feldman, W. H.** A simple inexpensive photomicrographic apparatus. Arch. Path., Chic., 1929, **8**: 78–80.—**Freund, H.** Panphot, ein neues mikroskopisch-mikrophotographisches Gerät. Zschr. wiss. Mikr., 1936, **53**: 50–6.—**Gaudet, A., & Delattre, C.** Sur une nouvelle chambre microphotographique. C. rend. Congr. internat. pharm. (1910) 1911, 117–9.—**Gimesi, N.** Das Mikrophotographieren mit Kleinkameras. Zschr. wiss. Mikr., 1933–34, **50**: 419–27.—**Gopsill, W. L.** Construction of a micro-camera, also utilizable for telephotography, at a maximum cost of £2. J. M. Ass. S. Africa, 1931, **5**: 248–50.—**Gross, L., & Johnson, C. A.** A photoelectric exposure meter for photomicrography. J. Biol. Photogr. Ass., 1933, **1**: 172–99.—**Guth, G.** Mikrophotographie mit Flachkameras. Mikrokosmos, Stuttg., 1913–14, **7**: 273.—**Hallett, G. E. M.** Photomicrography for the amateur, a simple home-made apparatus. Brit. Dent. J., 1942, **73**: 29–33.—**Introducing** the microdak; equipment for photomicrography with ordinary microscopes. Radiogr. Clin. Photogr., 1935, **11**: No. 4, 13.—**Jörg, M. E.** Mikrophotographisches Arbeiten mit der Contax. Zeiss Nachr., 1939–40, 3. Folge, 332–41.—**Jones, F. T.** Shutter shadow in photomicrography. J. Biol. Photogr. Ass., 1946–47, **15**: 193.—**Koch, W.** Eine einfache Vorrichtung zur Mikrophotographie und zur Photographie kleiner lebender Objekte. Zschr. wiss. Mikr., 1936, **53**: 37–42.—**Kufferath, A.** Ueber apparative Neuerungen auf dem Gebiete der Mikrofotografie. Münch. tierärztl. Wschr., 1936, **87**: 579.—**Leak, W. N.** Photomicrography with ordinary cameras; a simple technique. Brit. M. J., 1943, **2**: 787.—**Lendrum, A. C.** A new aid for photomicrography and general laboratory photography. Ibid., 1947, **2**: 585.—**Leroux, R.** Appareil de microphotographie et microprojection. Presse méd., 1924, **32**: annexe, 1641.—**Loveland, R. P.** Simplified photomicrography with a hand camera. Science, 1943, **97**: 24–6.—**Marshall, G. S., & Howard, J. G.** An inexpensive, coarse adjustment, remote control for photomicrography. Anat. Rec., 1934, **60**: 19–21.—**Meneses Hoyos, J.** Cómo tomar microfotografías con una cámara de menisco. Rev. méd. mil., Méx., 1940, **3**: No. 2, 29.—**Michel, K.** Ein Vergrösserungsrechenstab für die Mikrophotographie. Zschr. wiss. Mikr., 1935–36, **52**: 293–305.—**Minoprio, J. L.** Nuevo modelo de cámara de microfotografías adaptable a los binoculares. Sem. méd., B. Air., 1943, **50**: 1380.—**Murray, N. A.** A combined 35mm. and cut film photomicrographic apparatus. J. Techn. Meth., Toronto, 1944, **24**: 46–50.—**Parker, H. B.** Microphotography with simple apparatus. Bull. Hyg. Laborat., Wash., 1902, No. 7, 7–10.—**Pence, R. J.** A simple attachment to increase depth of focus of microscope objectives for photomicrography. Science, 1948, **107**: 631.—**Photography** with the electron microscope. Nature, Lond., 1945, **155**: 68.—**Pollister, A. W., & Moses, M. J.** A simplified apparatus for photometric analysis and photomicrography. J. Gen. Physiol., 1948–49, **32**: 567–77, incl. 3 pl.—**Price, Z.** An auxiliary microscope base for use in photomicrography. J. Biol. Photogr. Ass., 1948–49, **17**: 59–63.—**Proell.** Ein Universalapparat für Mikrophotographie. Zschr. wiss. Mikr., 1927, **44**: 42–6.—**Raeburn, L. T.** Side-focusing eyepiece for small micro-cameras. J. R. Micr. Soc., Lond., 1944, **64**: 147.—**Rappoport, A. E.** Apparatus for photomicrography or microprojection. Bull. U. S. Army M. Dep., 1946, **5**: 487.—**Reyniers, J. A.** A special camera for routine photomicrography. J. Laborat. Clin. M., 1934–35, **20**: 979.—**Robinson, W. L.** A simple photomicrographic camera. Bull. Internat. Ass. M. Mus., Montreal, 1934, No. 13, 67–70.—**Ruge, H.** Ein einfaches Hilfsmittel zur mikrophotographischen Aufnahme von kleineren Gegenständen bei schwacher Vergrösserung und auffallendem Licht (Doppelspiegel nach Plett) Klin. Wschr., 1929, **8**: 454.—**Russow, K. E.** Apparat för teckning af mikroskopiska bilder. Fin. läk. säll. hand., 1916, **58**: 549–54.—**Sadler, A.** Amplifying lenses for biological photomicrography. J. Biol. Photogr. Ass., 1946–47, **15**: 31–45.—**Sandino, P. M.** Manera de hacer una cámara para microfotografía. Bol. odont., Bogotá, 1943, **9**: 93–6.—**Scheffer, W.** Ueber eine Spiegelreflexkamera für Mikrophotographie und einen Mikroskopietisch für subjektive Beobachtung und Photographie. Zschr. wiss. Mikr., 1914, **31**: 84–96.—**Weber, J.** Photomicrography with the Graflex. In: Graphic Graflex Photogr. (Morgan, W. D., & Lester, H. M.) N. Y., 1943, 319–31.—**Wolff, M.** Mikrometerokulare für mikrophotographische Zwecke. Zeiss Nachr., 1943, 4. ser., 149–54.—**Wrighton, H.** An outfit for photomicrography. J. R. Micr. Soc., Lond., 1935, **55**: 79–82, 2 pl.

—— Photomicrography: Methods and technique.

See also **Histology,** Methods; **Pathology,** Methods.

Aguirre, F. Técnicas microfotográficas adaptadas a nuestros trabajos de anatomía patológica. Bol. Liga cáncer, Habana, 1936, **11**: 63–72.—**Barker, E. C.** A few fresh-water micro-organisms. J. Biol. Photogr. Ass., 1948–49, **17**: 98–100.—**Barnard, J. E.** A simple method of obtaining instantaneous photomicrographs. J. R. Micr. Soc., Lond., 1911, 19.—**Bowell, E. W.** The mounting of radulæ for photomicrography. Ibid., 1924, pt 3, 292–4.—**Bowen, J. L.** A simple technique for photomicrography. Nature, Lond., 1944, **153**: 685.—**Carrillo, L. A.** Técnica semimicrofotográfica, aplicable en parasitología, entomología y en botánica microscópica. Mem. Congr. farm. Centr. América (1938) 1940, 2. Congr., 604, 9 pl.—**Dreu, W.** Zur Mikrophotographie. Mschr. prakt. Derm., 1905, **41**: 306–13.—**Dutton, L. O.** A simple method of making microphotographs. J. Laborat. Clin. M., 1931, **16**: 831–6.—**Froome, K. D., & Jarrett, B. A.** The instantaneous photomicrography of living microorganisms. J. R. Micr. Soc., Lond., 1944, **64**: 136–46.—**Gómez Rodríguez, M.** El contraste en microfotografía. Med. col., Madr., 1944, **4**: 120–8.—**Greenberg, S.** A new method of photographing microscope slides. J. Biol. Photogr. Ass., 1945–46, **14**: 155.—**Haam, E. von, & Simmon, R. L.** The microphotography of opaque tissues. J. Techn. Meth., Toronto, 1936, **15**: 59–61.—**Hellwig, C. A.** Photographic and photomicrographic technic. Am. J. Clin. Path., 1937, **7**: 184–92.—**Henbest, L. G.** Exposure determination in photomicrography. J. Biol. Photogr. Ass., 1934, **3**: 2–23.—**Huldschinsky, K.** Ein einfaches Verfahren zur Herstellung von Mikrophotogrammen. Zschr. wiss. Mikr., 1913, **30**: 206.—**John, K.** Ueber ein Verfahren zur Erzielung guter Mikrophotographien von weniger guten Präparaten. Ibid., 1927, **44**: 470.—**Katznelson, Z. S.** Microphotographie ohne Photokamera. Ibid., 1930, **47**: 216–20.—**Kieffer, J.** Photomicrography by the Finlay process. J. Biol. Photogr. Ass., 1934, **2**: 178–88, pl.—**Krogh-Christoffersen, A.** Das Mikrophotographieren ohne photographische Geräte. Zschr. wiss. Mikr., 1939, **56**: 301–8.—**Lambertini, G.** Di un metodo pra-

tico per eseguire microfotografie in assenza delle comuni macchine microfotografiche. Boll. Soc. ital. biol. sper., 1935, **10**: 25–31. Also Monit. zool. ital., 1935–36, **46**: 39–42.—**Leak, W. N.** A simple technique for photomicrography. Nature, Lond., 1944, **153**: 563.—**Leonard, D. W.** Photomicrography; a short method using negative projection prints. J. Laborat. Clin. M., 1946, **31**: 373–8.—**Levin, E.** Photoaufnahmen mikroskopischer Präparate ohne Apparatur sowie eine einfache und billige Methode, um Literaturbelege zu gewinnen. Zschr. wiss. Mikr., 1938, **55**: 470.—**Linde, O.** Kleine Beiträge zur Mikrophotographie. In: Festschr. 70. Geburtst. Alexander Tschirch, Lpz., 1926, 142–8.—**Lonert, A. C.** Notes on photomicrography. Turtox News, 1948, **26**: 14; passim.—**McKay, H. C.** Routine record photomicrography. J. Biol. Photogr. Ass., 1935–36 **4**: 86–94.—**Mazurkiewicz, L., & Bukowiecki, H.** [Microphotography in darkness] Acta biol. exp., Warsz., 1930, **4**: 287–91.—**Mellon, R. R.** Precision photomicrography in bacteriology. J. Infect. Dis., 1933, **52**: 60–88.—**Meyer, F.** Eine einfache Methode zur Anfertigung von Mikrophotogrammen. Psychiat. neur. Wschr., 1928, **30**: 103.—**Naumann, E.** Ueber das Mikrophotographieren mit Gaslichtpapieren in direkt positivem Bild. Zschr. wiss. Mikr., 1914, **31**: 474, pl.—**Pence, R. J.** A simple device to increase background contrast in photomicrography. Science, 1947, **105**: 503.—**Richards, O. W.** Phase photomicrography. J. Biol. Photogr. Ass., 1947–48, **15**: 29–38.—**Richards, T. W., & Archibald, E. H.** A study of growing crystals by instantaneous photomicrography. Proc. Am. Acad. Arts Sc., 1900–01, **36**: 341–53, 3 pl.—**Sadler, A.** Some aspects of photomicrography. J. Biol. Photogr. Ass., 1943–44, **12**: 161–72.—**Sanmartin, R.** Procedimiento empleado para tomar microfotografías. Repert. med. cir., Bogotá, 1925–26, **17**: 256–9.—**Schaum, K.** Mikrophotographische Aufnahmen im Tubus. Zschr. wiss. Mikr., 1924, **41**: 93.—**Schmidt, L.** Photomacrography (enlarged photography without the use of a compound microscope) J. Biol. Photogr. Ass., 1937, **6**: 47–61. Also Stud. Rockefeller Inst. M. Res., 1938, **106**: 231–45.—**Sobolev, L. V.** O kombinacii mikrofotografii s risunkom. Vrach. gaz., 1912, **19**: 1187. Also German transl. Zschr. wiss. Mikr., 1911, **28**: 445–8.—**Stange.** Praktische Winke für Mikrophotographie. Münch. med. Wschr., 1915, **62**: 1170. Also Zschr. ärztl. Fortbild., 1917, **14**: 108.—**Staub.** Technik der Mikrophotographie. Mitt. Lebensmitteluntersuch., Bern, 1926, **17**: 207–21.—**Teitel-Bernard, A.** Sur une technique de reconstruction microphotographique. C. rend. Soc. biol., 1931, **106**: 985.—**Thulin, I.** Note sur une méthode microphotographique pour l'étude des structures moindres que 0.2μ. Bibliogr. anat., Par., 1914, **24**: 116–22.—**Trivelli, A. P. H., & Lincke, E.** Photomicrography of Amphileura pellucida. J. R. Micr. Soc., Lond., 1932, **52**: 26–9, pl.—**Weber, J.** A new technic in photomicrography. Merck Rep., 1946, **55**: 11.—**Wolff, M.** Bemerkungen und Beiträge zur Praxis der wissenschaftlichen Makro- und Mikrophotographie, einschliesslich der Farbenphotographie mit Autochromplatten. Zschr. wiss. Mikr., 1912, **29**: 145–81.—**Wright, E. S.** A simple method of photomicrography. Am. J. Ophth., 1948, **31**: 611.

—— Stereomicrography.

Defrise, A. Ricostruzione stereografica di oggetti microscopici. Boll. Soc. ital. biol. sper., 1927, **2**: 618–25.—**Girdwood, G. P.** Stereomicrography. Proc. R. Soc. Canada (1913) 1914, **7**: Sec. 3, 79.—**Guieysse, A.** Platine oscillante de Nachet pour la microphotographie stéréoscopique. C. rend. Soc. biol., 1907, **63**: 18.—**Lebedkin, S.** Projectionsrekonstruktionen und stereoskopische Rekonstruktionen. Zschr. wiss. Mikr., 1926, **43**: 1–86, 3 pl.—**Lutigneaux, H.** Une methode de reconstitution photographique dans l'espace réel des objets microscopiques: la stéréophotographie. C. rend. Soc. biol., 1924, **91**: 289–91. —— La sensation de perspective dans les reconstitutions microphotographiques et stéréographiques. Ibid., 291.—**Murray, J. A.** Stereo-photomicrography by object displacement at right angles to the optic axis. J. R. Micr. Soc., Lond., 1935, **55**: 83–5, pl.—**Quidor, A.** Un appareil pour la microphotographie stéréoscopique et son utilization en systématique. Arch. zool. exp., Par., 1910, **5**. ser., **5**: p. lxvii–lxxxi.—**Scheffer, W.** Ueber einen neuen mikrostereophotographischen Okularaufsatz des Leitz-Werkes für Beleuchtung in auffallendem und durchfallendem Licht. Zschr. wiss. Mikr., 1926, **43**: 233–40.

MICROGRAPHY $_2$.

See also **Graphology,** Medical diagnostic use; **Handwriting,** Disorder; **Paralysis agitans,** Manifestations.

Pick, A. Ueber motorisch bedingte Mikrographie. Wien. klin. Wschr., 1906, **19**: 756–9.—**Stanković, R.** Prilog poznavanju motorične mikrografije. Liječ. vjes., 1911, **33**: 369–72.

MICROGYRIA.

See **Brain cortex,** Abnormities.

MICROHISTOLOGY.

See **Histology.**

MICROHYDRA.

See also **Medusa.**

Backhoff. Ein neuer Fundort von Microhydra ryderi Potts. Zool. Anz., 1923–24, **58**: 194.—**Roch, F.** Microhydra germanica, eine neue Süsswassermeduse. Ibid., 131–6.

MICROHYLA.

See **Anura.**

MICROICHTHYS.

Facciolà, L. Sul Microichthys coccoi Rüpp. Monit. zool. ital., 1900, **11**: 188–94, pl.

MICROILLUMINATOR.

See also **Illuminant; Lamp; Microscope lamp.**

Barta, T. [The microilluminator] Magy. orv. arch., 1933, **34**: 438–46. Also Zschr. wiss. Mikr., 1935–36, **52**: 276–92, 2 pl. —— Mikroskopische Untersuchung von Organen in vivo mit Hilfe des Mikroilluminators. Arch. exp. Zellforsch., 1936–37, **19**: 405–9.—**Wolff, M.** Ein automatisch regulierender Miniaturscheinwerfer (2 Ampere-Fixpunktbogenlampe) für mikroskopische und makroskopische ärztliche Untersuchungen. Berl. klin. Wschr., 1912, **49**: 2462.

MICROINCINERATION.

See also **Chemistry,** Methods; **Histochemistry; Metal,** Chemistry; **Mineral,** Chemistry; also such headings as **Pneumokoniosis; Silicosis,** etc.

POLICARD, A. La méthode de la microincinération; exposé pratique. 50p. 25½cm. Par., 1938.

Bagiński, S. Mikroveraschung; einige praktische Hinweise. Zschr. wiss. Mikr., 1938, **55**: 241–8, pl.—**Brenner, M. W., & Harris, P. L.** An improved method of the wet ashing of biological materials. Chemist Analyst, 1939, **28**: 55.—**Gage, S. H.** Apparatus and methods for micro-incineration. Stain Techn., 1938, **13**: 25–36.—**Godlewski, H.** Quelques observations concernant la microincinération effectuée à l'aide d'un dispositif nouveau permettant le contrôle de ce processus. Bull. histol. appl., Lyon, 1938, **15**: 245–64.—**Gorbach, G.** Eine Mikromuffel zum Universalheizstativ nach Gorbach. Mikrochemie, Wien, 1948–49, **34**: 189–91.—**Herrmann, F.** Zur Methode der Veraschung von Gewebsschnitten und der Aschendifferenzierung (Darstellung von Magnesiumsalzen und Phosphaten) Zschr. wiss. Mikr., 1932, **49**: 313–32, pl.—**Krogh, A.** Eine Mikromethode für die organische Verbrennungsanalyse, besonders von gelösten Substanzen. Biochem. Zschr., 1930, **221**: 247–63.—**Maclennan, R. F., & Murer, H. K.** Localization of mineral ash in the organelles of Trichonympha, a hypermastigote flagellate from Zootermopsis angusticollis. J. Morph., 1934, **56**: 231–41.—**Man, E. B., & Siegfried, D. A.** Micro permanganate acid ashing method for determination of serum iodine. Fed. Proc., Balt., 1949, **8**: 224.—**Policard, A.** Twenty years of microincineration; cytological results. J. R. Micr. Soc., Lond., 1942, **62**: 25–35. ——— Caractères des micro-incinérations et ultra-structures. Schweiz. med. Wschr., 1946, **76**: 785.—**Reed, H. S., & Dufrenoy, J.** Histochemical analysis of plant tissues for iron and zinc by a combination microincineration and microanalysis. J. Biol. Chem., 1934, **105**: p. lxx.—**Roddy, W. T.** Frozen section micro-incineration. Stain Techn., 1941, **16**: 101–4.—**Sánchez Calvo.** La microincineración. Med. españ., 1940, **3**: 500–7.—**Struckmeyer, B. E.** Techniques used for the microincineration and mineral analysis of plant tissue. Am. J. Bot., 1943, **30**: 477–81.

MICROINJECTION.

See also **Micromanipulation; Micrurgy.**

Buck, J. B., & Specht, H. Ureteral catheter for microinjection tubing. Science, 1947, **106**: 551.—**Chambers, R.** A simple micro-injection apparatus made of steel. Ibid., 1921, n. ser., **54**: 552.—**Hoyer, H.** Eine neue Vorrichtung zu Injektionen. Zschr. wiss. Mikr., 1908, **25**: 412–20.—**Konaschko, P.** Zur Technik der Injektion feiner Gefässe. Ibid., 1905, **22**: 179.—**Možejko, B.** Ueber mikroskopische Injektionen nach der Methode des Prof. Heinrich Hoyer in Krakau. Ibid., 1911–12. **28**: 427–31.

MICROINSTRUMENT.

See under **Micrurgy.**

MICROKLOSSIA.

See also **Klossiella.**

Krassilstschik, J. Sur une affection parasitaire des lépidoptères produite par un sporozoaire nouveau (Microklossia prima) C. rend. Soc. biol., 1905, **58**: 656.

MICROKYMATOTHERAPY.

See **Microwave,** Diathermy.

MICROLEPIDOPTERA.

See also **Moth.**

Beirne, B. P. A list of the Microlepidoptera of Ireland. p.53–147. 8° Dubl., 1941.
In: Proc. R. Irish Acad., 1941, **47**: sect. B, 53–147.

MICROLESTES.

See also **Coleoptera.**

Holdhaus, K. Monographie der paläarktischen Arten der Coleopterengattung Microlestes. p.477–540. 4° Wien, 1913.
In: Denkschr. Akad. Wiss., Wien, 1913, **88**:

MICROLICHUS.

See also **Mange.**

Henry, A., & Guilhon, J. Gale déplumante déterminée par Microlichus avus Tr. chez un serin. C. rend. Soc. biol., 1939, **130**: 431.

MICROLITHIASIS.

See under such headings as **Biliary calculus,** Microlith; **Nephrolithiasis,** etc.

MICROLOGY.

See also **Micrography; Microscopy.**

Geiser, S. W. Syllabus of practical exercises in invertebrate micrology. 16p. 8° Ann Arb., 1934.

Guyer, M. F. Animal micrology; practical exercises in microscopical methods. 240p. 23cm. Chic., 1906. Also 3. ed. 303p. 1930.

Placido da Costa, A. *Apontamentos de micrologia médica. 61p. 22cm. Pôrto, 1879.

MICROLYNCHIA.

See **Hippoboscidae;** also **Pigeon,** Diseases.

MICROMANIA.

See under **Manic-depressive psychosis,** Depressed phase.

MICROMANIPULATION.

See **Micrurgy;** see also **Micromanipulator; Microtool.**

MICROMANIPULATOR.

See also **Cytology,** Methods; **Microbiology,** Methods; **Microtool; Micrurgy.**

Barer, R., & Saunders-Singer, A. E. A new single-control micromanipulator. Q. J. Micr. Sc., Lond., 1948, **89**: 439–47, pl.—**Bergman, R. A. M., & Mertens, W. K.** [The micromanipulator and single-cell cultures of Bacterium cocovenenans] Meded. Dienst volksgez. Ned. Indië, 1938, **27**: 236–44.—**Browaeys, J.** Présentation d'un micromanipulateur à pantographe. Presse méd., 1943, **51**: 96 (Abstr.)—**Cailloux, M.** Un nouveau micromanipulateur hydraulique. Rev. canad. biol., 1943, **2**: 528–40.—**Christophersen, J.** Eine neue Methode zur Isolierung von Mikroorganismen mit Hilfe des Mikromanipulators. Zbl. Bakt., 1. Abt., Orig., 1939–40, **145**: 366–8.—**Dunn, F. L.** The use of hydraulic devices for obtaining micromanipulation. J. Infect. Dis., 1927, **40**: 383–8.—**Fulton, G. P.** A silver-glass micro-electrode for use in a micro-manipulator. Proc. Soc. Exp. Biol., N. Y., 1941, **48**: 427.—**Hansen, W. W.** On a new design of micromanipulator. J. R. Micr. Soc., Lond., 1938, **58**: 250–2, pl.—**Hauser, E. A.** Ueber die Anwendung des Mikromanipulators und anderer neuer optischer Instrumente bei mikroskopischen Studien an Kautschukmilchsäften in den Tropen. Zschr. wiss. Mikr., 1924, **41**: 465–80.—**Nygaard, G.** A simple micromanipulator. Science, 1949, **110**: 165.—**Peragallo, I.** Dispositivo pratico per micromanipolazioni. Gior. batt. immun., 1939, **23**: 591–3.—**Péterfi, T., & Bergonzini, M.** L'isolamento e la cultura dei microorganismi con l'aiuto del micromanipolatore di Péterfi. Boll. Soc. ital. biol. sper., 1932, **7**: 647–52.—**Reinert, G.** Ein neuer Mikromanipulator für Arbeiten bis zu $\bar{1}'$=2500 x. Arch. exp. Zellforsch., 1938–39, **22**: 681–5.—**Schouten, S. L.** [The micromanipulator; the apparatus] Antonie van Leeuwenboek, Amst., 1935, **2**: 207–24, 2 pl. ——— [Certain applications of the micromanipulator] Ibid., 250–74, 4 pl. ——— Der Mikromanipulator. Zschr. wiss. Mikr., 1934–35, **51**: 421–515. ——— The micromanipulator. Current Sc., Bangalore, 1949, **18**: 34.—**Soriano, S.** Dispositivo sencillo para micromanipulaciones. Fol. biol., B. Air., 1935, 205–10.—**Thaysen, A. C., & Morris, A. R.** The preparation of microtools for the micromanipulator. J. Gen. Microb., Lond., 1947, **1**: 221–31, pl.

MICROMASTIC reaction.

See under **Cerebrospinal fluid,** Colloidal reactions: Mastic and modifications.

MICROMELIA.

See also **Achondroplasia; Dwarfism; Extremity,** Absence and hypoplasia; **Extremity, lower,** Absence and hypoplasia; **Extremity, upper,** Abnormity; **Growth** (Human) Disorders.

Asmundson, V. S. An inherited micromelia in the domestic fowl. J. Hered., 1942, **33**: 328–30.—**Benvenuti, M.** Su di una forma particolare di micromelia superiore, bilaterale, ereditaria; contributo allo studio delle malformazioni congenite. Neopsichiatria, Pisa, 1938, **4**: 725–90.—**Mindlin, S.** Ein seltener Fall von Mikromelie. Anat. Anz., 1929–30, **68**: 324–36.—**Rieti, E.** Contributo alla conoscenza della micromelia. Policlinico, 1930, **37**: sez. prat., 289–91.—**Rizzatti, E.** Un singolarissimo caso di micromelia (pseudo-acondroplasia?) (cenni sulla medicina legale della mostruosità) Gior. clin. med., 1928, **9**: 404–12.—**Sèze, de & Houdart, R.** A propos d'un cas de nanisme micromélique d'origine hypophysaire probable; discussion du syndrome dit acromicrie. Presse méd., 1943, **51**: 231 (Abstr.)—**Zwilling, E.** Association of hypoglycemia with insulin micromelia in chick embryos. Anat. Rec., 1948, **101**: 662.

MICROMERIA.

See also **Lamiaceae.**

Naves, Y. R. Etudes sur les matières végétales volatiles; sur l'huile essentielle de Micromeria abyssinica (Hochst.) Benth., source de *d*-isomenthone. Helvet. chim. acta, 1948, **31**: 932–6.

MICROMERISM.

See also **Living matter.**

Holmes, S. J. Micromerism in biological theory. Isis, Bost., 1948–49, **39**: 145–58.

MICROMEROZOITE.

See under **Plasmodium; Sporozoa.**

MICROMETHOD.

See under such headings as **Microbiology,** Methods; **Microchemistry,** Methods; **Micromanipulator; Microscopy,** Methods, etc.

MICROMETRY [incl. micrometer]

See also **Microgeometry; Microscope.**

Georgi, J. Zur Verwendung flächenmessender Instrumente in der Mikrotechnik. Zschr. wiss. Mikr., 1918, **35**: 175–88.—**Lendenfeld, R. von.** Bemerkungen über die technische Ausführung und biologische Verwertung mikroskopischer Messungen. Ibid., 1911, **28**: 27–34.—**McPherson, A. I., & Douglas, D. G.** Measurement of the thickness of thin nylon films. Rev. Sc. Instrum., 1949, **20**: 457.—**Nelson, E. M.** On the measurement of very minute microscopical objects. J. R. Micr. Soc., Lond., 1909, 549.—**Peragallo, I.** Misurazione micrometrica. In his Techn. microb., Milano, 1945, **1**: 47.—**Stahn, R.** Eine neue Methode zur Messung der Flächenausdehnung mikroskopischer Bilder. Naturwissenschaften, 1943, **31**: 19.

—— Instruments.

See also **Blood sedimentation,** Methods, micrometric; **Photometer.**

Allison, A. C., & Chacko, L. The use of a camera lucida for micrometry and counts of nerve fibres and other small objects. J. R. Micr. Soc., Lond., 1949, **69**: 18.—**Basler, A.** Ein Gerät für mikroskopische Messungen an sich bewegenden Objekten. Zschr. wiss. Mikr., 1937, **54**: 98–101.—**Bauer, A.** Die neue Leitzsche Mikrometerbewegung mit Kugelführung. Ibid., 1926, **43**: 372–4.—**Beppu, H.** Makō syōwa; micrometer ni tuite. Ika kikaigaku zassi, 1935–36, **13**: 175–9.—**Clendinnen, F. J.** Micrometric measurements by a projected scale. Tr. Australas. M. Congr. (1908) 1909, 2. Congr., 377, pl.—**Conger, P. S.** A simple method for micrometric ruling, and some applications. Tr. Am. Micr. Soc., 1944, **63**: 358–61.—**Eyster, J. A. E., & Hipple, J. S.** A micrometer curve measuring apparatus. J. Laborat. Clin. M., 1938–39, **24**: 1205–7.—**Field, R. H.** A large cylinder and taper comparator for gauge measurement. Canad. J. Res., 1947, **25**: F, 238–41, 3 pl.—**Fiorentino, M.** Nuova camera per conteggi microscopici e sue applicazioni pratiche. Diagn. tecn. laborat., Nap., 1930, **1**: 949–57.—

Gordon, R. M. A counting apparatus for use with the microscope. Ann. Trop. M. Parasit., Liverp., 1930–31, **24:** 81–3, pl.—**Guéguen, F.** Réglette à lecture directe pour mensurations microscopiques. C. rend. Soc. biol., 1907, **63:** 117.—**Howard, H. J.** A stereomicrometer. Am. J. Ophth., 1920, 3. ser., **3:** 417–21.—**Koch, E.** Measuring to 1/10,000 of an inch. Educ. Focus, Rochester, 1944, **15:** 39–42.—**Kuhl, W.** Die Anwendung des Zeichenapparates zur Messung von Krümmungen unter dem Mikroskop durch Projektion eines Systems konzentrischer Kreise (oder anderer Kurven) in das mikroskopische Bild. Zschr. wiss. Mikr., 1925, **42:** 265–9.—**Lecteur** (Lc) micrométrique de la Société optique et précision de Levallois. Rev. opt., Par., 1948, **27:** 510–2.—**Levison, W. G.** Photographed ocular micrometers. Ann. N. York Acad. Sc., 1898, **11:** pt 3, 405.—**Lotze, J. C., & Yiengst, M. J.** An apparatus for measuring microscopic objects. Science, 1941, **93:** 45.—**Malassey, L.** Sur les oculaires à glace micrométrique et à usages multiples. Tr. Laborat. histol. Coll. France, Par., (1901) 1903, 1–12. ——— Nouveau modèle d'oculaire à glace micrométrique. Ibid., 13–5.—**Palmes, E. D.** The filargraph, a recording device to facilitate filar micrometry. J. Indust. Hyg., 1944, **26:** 64–7.—**Pulling, H. E.** The angular micrometer and its use in delicate and accurate microscopic measurements. Am. J. Bot., 1916, **3:** 393–406.—**Quastler, H.** Steigerung der Messgenauigkeit bei Messung kleinster sichtbarer Grössen mit dem Schraubenmikrometerokular. Zschr. wiss. Mikr., 1932–33, **49:** 195–207.—**Schilainer, M.** Regelbare Vorrichtung zur Feineinstellung für Mikroskope. Ibid., 1924, **41:** 155–66.—**Witt, W.** Eine Methode zur Sichtbarmachung von Fadenkreuzen, Strichmikrometern usw. beim ultramikroskopischen Beobachten von Kolloidteilchen. Ibid., 1935–36, **52:** 315–7.—**Zimmer, K. G.** Statistische Ultramikrometrie mit Röntgen-, Alpha-, und Neutronenstrahlen. Forsch. & Fortschr., 1944, **20:** 106–8.

MICROMONOSPORA [1923 Ørskov]

See also **Streptomycetaceae.**

Erikson, D. Studies on some lake-mud strains of Micromonospora. J. Bact., Balt., 1941, **41:** 277–300.—**Hungate, R. E.** Studies on cellulose fermentation; an anaerobic cellulose-decomposing actinomycete, Micromonospora propionici, n. sp. Ibid., 1946, **51:** 51–6.—**Waksman, S. A., Geiger, W. B., & Bugie, E.** Micromonosporin, an antibiotic substance from a little-known group of microorganisms. Ibid., 1947, **53:** 355–7.—**Welsch, M.** Les propriétés antibiotiques d'une espèce du genre Micromonospora; la micromonosporine. Rev. belge path., 1947, **18:** 235–42.

MICROMYCES.

See also older literature under **Actinomyces;** also **Asterococcus; Micromycetes; Peripneumonia.**

Neumann, A. N. Die pathogene Bedeutung des polymorphen Mikroorganismus, Myxomycet-Schnudt, Onkomyxa-Nebel, Micromyces blastogenes-Gerlach. Krebsarzt, Wien, 1948, **3:** 209–12.—**Ørskov, J.** On the morphology of some species of Micromyces. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 179.—**Speiser, P.** Zur Frage des Vorkommens des Micromyces blastogenes Gerlach in menschlichen Leichen. Krebsarzt, Wien, 1947, **2:** 523–30.

MICROMYCETES.

See also **Cancer,** Etiology; **Micromyces; Peripneumonia.**

Gerlach, F. Methoden zur Sichtbarmachung des bei bösartigen Geschwülsten aufgefundenen Mikromyzeten. Mikroskopie, Wien, 1949, Sonderbd 3, 43–58. ——— Zur Frage der Pathogenität des in bösartigen Geschwülsten aufgefundenen Mikromyzeten. Krebsarzt, Wien, 1949, **4:** 171–83.—**Pucher, S.** Die Mikromyzeten als Krankheitsursache. Ibid., 1947, **2:** 513–23.—**Sydow, H., & Sydow, P.** Enumeration of Philippine fungi, with notes and descriptions of new species. Micromycetes. Philippine J. Sc., 1913, **8:** Sect. C, 265–85.—**Theiss, O.** Mikromyzeten und L-Kulturen. Zbl. Bakt., 1. Abt., Orig., 1947–48, **152:** 209–14.—**Vogel, A.** Ueber das Vorkommen der Mikromyzeten in Pflanzen. Krebsarzt, Wien, 1948, **3:** 468.

MICRON.

See also **Measure; Micrometry.**

Heimstädt, O. Beugungserscheinungen an Ultramikronen. Zschr. wiss. Mikr., 1943, **59:** 153–62.—**Microns,** use in botanical monographs. Bull. Nat. Formulary Com. U. S., 1939–40, **8:** 35.

MICRONEMEAE.

See **Fungi imperfecti.**

MICRONESIA.

See also **Marshall Islands; Pacific.**

Arnold, H. L., jr. Two weeks in Micronesia. Proc. Clinic, Honolulu, 1949, **15:** 21–32.—**Coolidge, H. J.** The 1947 invasion of Micronesia. Research Rev. (U. S. Navy) 1948 June, 1–6.—**Kanehira, R.** On the phytogeography of Micronesia. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., **4:** 595–611.—**Murdock, G. P.** New light on the peoples of Micronesia. Science, 1948, **108:** 423–5.

—— Anthropology.

Ike, S. Mariana-gunto-zin no taisitu-zinruigaku-teki kenkyu. Tyosen igakkai zassi, 1941, **31:** 380; 545; 859, 4 pl.—**Murdock, G. P.** Anthropology in Micronesia. Tr. N. York Acad. Sc., 1948–49, **11:** 9–16.—**Murrill, R. I.** Ponape; a Micronesian culture of the Caroline Islands. Ibid., 1947–48, **10:** 154–8.

—— Diseases.

United States. Navy. Bureau of Medicine and Surgery. Compilation on the diseases of naval importance in Micronesia; including the identification and distribution of arthropods of medical importance. 107p. 27cm. Wash., 1944.

Farner, D. S. Arthropod-borne diseases in Micronesia. U. S. Nav. M. Bull., 1944, **42:** 977–89.—**Gilbert & Ellice Islands** [medical and sanitary reports, 1932] Trop. Dis. Bull., Lond., 1934, **31:** Suppl., 166.

MICRONUTRIENT.

See also **Food; Mineral; Trace element; Vitamer; Vitamin.**

Allison, I. Trace elements and their importance to man. J. Missouri Dent. Ass., 1949, **29:** 119–23.—**Arenz, B.** Einfluss und Stellung der Spurenelemente in der Pflanzenernährung und in der landwirtschaftlichen Praxis. Naturwiss. Rdsch., 1948, **1:** 61–6.—**Auchter, E. C.** Micro-elements as affecting health and disease. Plantation Health, Honolulu, 1947, **11:** 10–8.—**Bertrand, D.** Les infiniment petits chimiques indispensables à la vie. Atomes, Par., 1948, **3:** 221–6.—**Green, H. H.** Trace elements in relation to health of livestock. Ann. Appl. Biol., Lond., 1947, **34:** 159–65.—**Harvey, D. G.** Trace elements in plant and animal nutrition. Vet. J., Lond., 1947, **103:** 278–89.—**Kollath, W.** Die Spurenelemente. In: Blut & Boden, Nürnb., 1939, 83–115, 2 tab.—**Moore, C. V.** Trace elements in nutrition; iron and the essential trace elements. In: Dietotherapy (Wohl, M. G.) Phila., 1945, 98–120.—**Randoin, L.** Recherches expérimentales sur la nécessité absolu de la présence des oligo-éléments dans une ration alimentaire et sur le rôle de certains oligo-éléments dans les phénomènes vitaux essentiels. Bull. Soc. sc. hyg. aliment., Par., 1944, **32:** 105–12.—**Rygh, O.** Undersøkelser over mikronaeringsstoffer. Tskr. Norske laegeforen., 1949, **69:** 6–9. ——— Importance of trace elements in nutrition. Research, Lond., 1949, **2:** 340 (Abstr.)—**Salisbury, E. J., Wallace, T.** [et al.] The significance of trace elements in plants and animals. Ann. Appl. Biol., Lond., 1947, **34:** 144–65.—**Salter, W. T.** Tracer substances in nutrition. In: Dietotherapy (Wohl, M. G.) Phila., 1945, 188–207.—**Schwarz, R.** Die physiologische Bedeutung der Spurenelemente. Aerztl. Wschr., 1946–47, **1:**–**2:** 743–5.—**Simpson, H. N.** Quantification of micronutrients. Science, 1946, **104:** 303.—**Stiles, W.** Trace elements. Science Progr., Lond., 1947, **35:** 716–23.—**Voss, R. C.** Trace elements and animal health. Vet. Rec., Lond., 1949, **61:** 39.

MICRO-OPERATION.

See **Micrurgy.**

MICROORGANISM.

See also **Algae; Bacteria; Cell; Fungi; Microbe; Microbiology; Microfauna; Microflora; Mold; Mycology; Plankton; Protophyton; Protozoon; Spore; Virology; Virus;** also such headings as **Detergency; Disinfection; Sterilization.**

Akehurst, S. C. A trap for free-swimming organisms. J. Quekett Micr. Club, 1914, 2. ser., **12:** 279.—**Barnard, J. E.** Towards the smallest living things. J. R. Micr. Soc., Lond., 1939, **59:** 1–10, pl.—**Booth, V. H., & Green, D. E.** A wet-crushing mill for micro-organisms. Biochem. J., Lond., 1938, **32:** 855–61, pl.—**Carpenter, P. D.** An apparatus for the continued observation of micro-organisms. Turtox News, 1949, **27:** 12–6.—**Cimmino, R.** I microrganismi. Med. ital., 1907, No. 6, 111 passim.—**Gaudin.** Levures, sarcines, coccus, bacilles et streptothrix. Arch. méd. Angers, 1914, **18:** 137; passim.—**Glässer.** Zelle, Bakterium und mikroskopisch unsichtbare Lebewesen. Berl. tierärztl. Wschr., 1936, **52:** 501–3.—**Murray, J. A.** The open-tube-pyroxylin method of manipulating small organisms. J. R. Micr. Soc., Lond., 1924, pt 3, 289–91.—**Nomenclature** of nutritional types of microorganisms. Sympos. Quant. Biol., 1946, **11:** 302.—**Oelze, F. W.** Beobachtungskammer für Mikroorganismen und Blutkörperchen im ruhenden Medium für Hell- und Dunkelfeldbeleuchtung, nebst

Spezialobjektiv. Münch. med. Wschr., 1921, 68, 130.—**Pratt, R.** Armageddon of the microbes; a consideration of certain relationships in a microbiological society. Texas Rep. Biol. M., 1949, 7: 12–21.—**Rinne, F.** Parakristalline Lebewesen. Kolloid Zschr., 1931, **56**: 71–7.—**Schouten, S. L.** [Individual treatment of micro-organisms] Ned. tschr. geneesk., 1924, **68**: pt 2, 1814–7.—**Taylor, W. R.** A method of demonstrating the sheath structure of a desmid. Tr. Am. Micr. Soc., 1921, **40**: 94.—**Wegener, E. E.** [Methods of preparing complete specimens of microscopically small organisms] Arch. russ. anat., 1940, **23**: 185.

—— Antagonism.

See also **Antibiosis,** in the 5. series.

Bachmann, W. Ueber Fernwirkung einer Hefekultur auf Mikroorganismen. Zbl. Bakt., 1. Abt., 1932, **124**: 113–22.—**Dmitrievskaia, N. A., & Chebotarevich, M. F.** [Manifestations of antagonism among microorganisms] Arkh. biol. nauk, 1936, **43**: 337–44.—**Gratia, A.** Techniques sélectives pour la recherche systématique dans la nature, de microorganismes doués, soit de propriétés antibiotiques, soit de propriétés antibactériophages, soit de propriétés antagonistes des antibiotiques. Bull. Soc. chim. biol., Par., 1947, **29**: 352–4.—**Kasahara, M., Oyama, H., & Sugada, E.** Saikin-tai-nai no bisyō-seikatu-tai ni tuite. Osaka igakkai zassi, 1943, **42**: 1085; passim.—**Melin, E.** Zur Frage des Antagonismus zwischen frei lebenden Mikroorganismen; Untersuchungen an Holzschliff; vorläufige Mittcilung. Arch. Mikrob., Berl., 1933, **4**: 509–13.—**Noster, K.** Antagonismus zwischen einem apathogenen und zahlreichen pathogenen Mikroorganismen. Zbl. Bakt., 1. Abt., Orig., 1949, **153**: 32–9.—**Rosenfeld, W. D., & ZoBell, C. E.** Antibiotic production by marine microorganisms. J. Bact., Balt., 1947, **54**: 393–8.—**Schiller, I.** Ueber erzwungene Antagonisten. Zbl. Bakt., 1. Abt., 1925, Orig., **94**: 64–6.—**Sickles, G. M., & Shaw, M.** The antibacterial activity of microorganisms and their products. Annual Rep. Div. Laborat. N. York State Dep. Health, 1945, 10.—**Waksman, S. A.** Antagonistic relations of microorganisms. Bact. Rev., Balt., 1941, **5**: 231–91. Also Chron. bot., Waltham, 1940–41, **6**: 145–8.—**Wilska, A.** Spray inoculation of plates in the detection of antagonistic micro-organisms. J. Gen. Microb., Lond., 1947, **1**: 368.—**ZoBell, C. E.** The antagonistic effects of microorganisms. In his Marine Microb., Waltham, 1946, 80–2.

—— aquatic.

See also **Hydrobiology; Plankton; Protozoa.**

Brehm, V. Die Rotfärbung von Hochgebirgsseeorganismen. Biol. Rev. Cambridge Philos. Soc., 1938, **13**: 307–18.—**Kořínek, J.** Ueber oligonitrophile Mikroben im Meere. Zbl. Bakt., 2. Abt., 1932, **86**: 201–6.—**Peters, A. W.** The biochemical action of copper sulphate on aquatic microorganisms [Abstr.] Science, 1908, n. ser., **27**: 1909.

—— Association.

Castellani, A. Fermentation phenomena when different species of micro-organisms are in close association. Proc. Soc. Exp. Biol., N. Y., 1925–26, **23**: 481–8.—**Jensen, H. L., & Swaby, R. J.** Association between nitrogen-fixing and cellulose-decomposing microorganisms. Nature, Lond., 1941, **147**: 147.—**Karaffa-Korbutt, K. von.** Ueber die Symbiose einiger saproyphten Bakterienformen und der Blastomyceten. Zbl. Bakt., 2. Abt., 1914, **40**: 239–43.

—— Biological role.

See also **Microorganism,** Use.

GABBETT, H. S. Beneficent germs. 12p. 20cm. N. Y., 1900.

TALIAFERRO, W. H. Microorganisms and their roles in nature. p.448–85. 23½cm. Garden City, N. Y., 1937.

In: World & Man (F. R. Moulton) N. Y., 1937.

Banjee, D. N. Microbe, our very best friend, our deadliest enemy. Ind. M. Rec., 1943, **63**: 161; 193.—**Berry, H.** The use of bacteria and moulds in industry. Pharm. J., Lond., 1942, **95**: 20.—**Owen, E. C.** The role of micro-organisms in the nutrition of farm animals. Proc. Nutrit. Soc., Cambr., 1946–47, 186–99.—**Schwarz, C.** Die physiologische Bedeutung der Mikroorganismen im Kreislauf des Lebens. Wien. tierärztl. Mschr., 1930, **17**: 462–8. Also Wien. klin. Wschr., 1946, **58**: 173–5.

—— Composition.

RAISTRICK, H. Studies in the biochemistry of micro-organisms. p.1–367. 29cm. Lond., 1931.

In: Philos. Tr. R. Soc., Lond., 1931, ser. B, **220**:

Ayres, G. B., & Tobie, W. C. The isolation of crude proteolytic enzymes from microorganisms. J. Bact., Balt., 1943, **45**: 18 (Abstr.)—**Bois, E., & Savary, J.** Les amylases des micro-organismes. Canad. J. Res., 1945, **23**: Sect. B, 208–13.—**Boivin, A.** Les nucléoprotéides et la constitution chimique des microorganismes. Bull Inst. Pasteur, Par., 1943, **41**: 177 (Abstr.)—**Eyre, J. V.** Unicellular chemistry: the part played by external influences in determining the chemical character and biological behaviour of unicellular organisms. J. Chem. Soc., Lond., 1935, 201–7, 2 pl.—**Karström, H.** Enzymatische Adaptation bei Mikroorganismen. Erg. Enzymforsch., 1938, **7**: 350–76.—**Niel, C. B. van.** Biochemistry of microorganisms. Annual Rev. Biochem., 1943, **12**: 551–86.—**Sarciron, R., Vendrely, R., & Briand, O.** Recherches sur les nucléoprotéides des micro-organismes; contribution à l'étude du problème analytique. Ann. Inst. Pasteur, Par., 1945, **71**: 147–51.—**Stacey, M., & Webb, M.** Some components of the lytic system of gram-positive micro-organisms. Nature, Lond., 1948, **162**: 11–3.—**Stokes, J. L., & Gunness, M.** The amino acid composition of microorganisms. J. Bact., Balt., 1946, **51**: 570; passim.—**Werle, E.** Ueber das Vorkommen von Diaminoxydase und Histidin-decarboxylase in Mikroorganismen. Bull. Inst. Pasteur, Par., 1943, **41**: 188 (Abstr.)—**Yudkin, J.** Enzyme variation in micro-organisms. Biol. Rev. Cambridge Philos. Soc., 1938, **13**: 93–106.

—— Cultivation and growth.

See also **Microbioassay; Microculture.**

KÜSTER, E. Anleitung zur Kultur der Mikroorganismen. 3. Aufl. 233p. 8° Lpz., 1921.

YAMADA, Y. Biseibutu no hatuiku ni tai-suru tansan-gasu no eikyō [. . . influence of carbon dioxide] p.325–793. 21cm. Kyoto, 1934.

In: Kokumin eisei, 1934, **11**:

Axelrad, C. Ueber Fortpflanzung und Wachstum der Mikroorganismen. Pharm. Prax., Wien, 1904, **111**: 49–52, pl.—**Fulmer, E. I.** Colloids and the growth of microorganisms. In: Colloid Chem. (Alexander, J.) N. Y., 1928, **2**: 557–65.—**Gee, A. H., & Hunt, G. A.** Single cell technic; a presentation of the pipette method as a routine laboratory procedure. J. Bact., Balt., 1928, **16**: 327–48, 3 pl.—**Harmsen, G. W., & Kolff, W. J.** Cultivation of microorganisms with the aid of cellophane membranes. Science, 1947, **105**: 582.—**Holzinger, F.** Ueber den Einfluss osmotischer Vorgänge im Medium auf das Wachstum von Mikroorganismen. Zbl. Bakt., 2. Abt., 1908, **21**: 449–59.—**Johnson, F. H.** A micro-method for determining the utilization of carbohydrates and polyhydric alcohols by microorganisms. Science, 1935, **81**: 620.—**Kyo, K.** Tanko-kin film baiti baiyō-hō wo ōyō-seru saikin no hatuiku keisiki ni kan-suru kenkyū; saikin no S-kei, R-kei no hatuiku keisiki ni kan-suru kansatu. Zikken igaku zassi, 1935, **19**: 1383–7, pl.—**Moor, W. A.** The continuous cultivation of microorganisms. Science, 1945, **102**: 594.—**Morton, H. E.** An improved technic for growing microorganisms under anaerobic conditions. J. Bact., Balt., 1943, **46**: 373–6.—**Negroni, P.** Procédé de culture monocellulaire. C. rend. Soc. biol., 1931, **106**: 388.—**Nieuwenhuis, A. W.** Wijze om microörganismen uit één cel te kweeken. Verh. Akad. wet. Amsterdam, 1910, **19**: 522–34. 2 pl.—**Nunes Vaz, C.** Do cultivo artificial em microbiologia. Impr. med., Rio, 1942, **18**: No. 344, 29–37.—**Ørskov, J.** Zur Morphologie der von G. Seiffert kultivierten Mikroorganismen. Zhl. Bakt., 1. Abt., 1938, **141**: 229–32.—**Palm, B., & Hinricsson, H.** [The impression method in study of microorganisms on certain substrates] Tskr. mil. hälsov., 1940, **65**: 147–51.—**Simonart, P.** Facteurs de croissance. In his Introduct. microb. gén., Liége, 1947, 53–60.—**Slator, A.** A note on the lag-phase in the growth of micro-organisms. J. Hyg., Lond., 1917, **16**: 100–8.—**Stearn, E. W., & Stearn, A. E.** A modification of the Ørskov single cell culture technic. J. Laborat. Clin. M., 1927–28, **13**: 276–8.—**Stockhausen, F.** Die Züchtung der technischen Mikroorganismen auf Leistung. Zbl. Bakt., 1. Abt., 1925–26, **97**: 31–41.—**Utenkov, M. D.** [Invisible stages of microorganisms and one-cell cultures] Vest. mikrob., 1928, **7**: 190–3. ——— [Cultivation of microorganisms during a considerable period of time] Microbiology, Moskva, 1944, **13**: 310–4.—**Van Laer, M. H., & Merten, J.** L'acidité lihre et son influence sur la reproduction des levures et des microbes. C. rend. Soc. biol., 1922, **87**: 990–2.—**Van Niel, C. B.** The kinctics of growth of microorganisms. In: Chcm. & Physiol. Growth (Parpart, A. K.) Princet., 1949, 91–105.

—— Culture media.

See also **Bacteria,** Cultivation.

LAFAY, G. *Contribution à l'étude des variations de la réaction des milieux de culture, sous l'influence des microorganismes [Lyon] 70p. 8° Trévaux, 1934.

SCHMUTZ, D. *Méthodes de contrôle de croissance des bactéries en rapport avec l'addition préalable de vitamines hydrosolubles. 96p. 24cm. Strasb., 1938.

Achorn, G. B., jr, & Schwab, J. L. A method for the aeration of liquid cultures of microorganisms. Science, 1948, **107**: 377.—**Belenkyi, D. E., Popova, N. N., & Khait, S. L.** [Use of soya culture medium in microbiology] J. mikrob., Moskva, 1932, **9**: 83–5.—**Bordet, P.** Les facteurs de croissance chez les microorganismes. Ann. Soc. sc. méd. natur. Bruxelles,

1938, Bull., 51–67.—**Bovarnick, M. R.** Substitution of heated asparagine-glutamate mixture for nicotinamide as a growth factor for Bacterium dysenteriae and other microorganisms. J. Biol. Chem., 1943, **148**: 151–61.—**Cicconi, M.** Reiskleieextrakt als Nährboden für Mikroorganismen. Zbl. Bakt., 1. Abt., 1942-43, **149**: 61–4.—**Das Gupta, G. C., & Guha, B. C.** The effect of vitamin C and certain other substances on the growth of micro-organisms. Ann. Biochem. Exp. M., Calc., 1941, **1**: 14–26.—**De Gara, P.** Nuovo metodo di microcultura con le "slide-cells". Diagn. tecn. laborat., Nap., 1935, **6**: 21–6.—**Dernby, K. G.** La concentration optima en ions hydrogène favorisant le développement de certains microorganismes. Ann. Inst. Pasteur, Par., 1921, **35**: 277–90.—**Gach, I., & Poluliakh, N.** [Fish nutritive mediums; use of autodigestive products of the stomach of certain fishes instead of peptone for microbiological nutritive mediums] Arkh. biol. nauk, 1936, **41**: 65–112.—**Gehrke, C., & Welser, H. H.** Comparative studies on growth and biocbemical features of microorganisms grown in cow's and soybean milk. Food Res., 1947, **12**: 360–4.—**Goy, P.** Physiologie microbienne et facteur accessoire de la croissance. C. rend. Acad. sc., 1922, **174**: 1579.—**Harrison, F. C.** A study of some organisms which produce black fields on aesculin-bile salt media. Science, 1915, n. ser., **42**: 468.—**Hidalgo Larrúa, F.** Estado actual de algunas investigaciones sobre factores vitamínicos indispensables al crecimiento bacterial. Rev. méd. cubana, 1939, **50**: 1021–4.—**Hruszek, H.** Pilz-, Sporotrichon-, Actinomyces-, Hefe-, Bakterien- und andere Kulturen auf Gurkenschnitten. Arcb. Derm. Syph., Berl., 1934, **170**: 670–5.—**Humfeld, H., & Feustel, I. C.** Utilization of asparagus juice in microbiological culture media. Proc. Soc. Exp. Biol., N. Y., 1943, **54**: 232–5.—**Ingelman, B., & Laurell, H.** The preparation of silicic acid jellies for tbe cultivation of microorganisms. J. Bact., Balt., 1947, **53**: 364.—**Kanel, E. S.** [Oxidation-reduction potential of the medium as a restraining factor in the development of mikroorganisms] Mikrobiologia, Moskva, 1937, **6**: 254–66.—**Kharasch, M. S., Conway, E. A., & Bloom, W.** Some chemical factors influencing growth and pigmentation of certain microorganisms. J. Bact., Balt., 1936, **32**: 533–40.—**Klmler, A.** Vegetable juice in the cultivation of patbogenic microorganisms. South. M. J., 1947, **40**: 1026.—**Koser, S. A.** Growth factors for microorganisms. Annual Rev. Microb., 1948, **2**: 121–42. ——— **& Saunders, F.** Accessory growtb factors for bacteria and related microorganisms. Bact. Rev., Balt., 1938, **2**: 99–160.—**Lewis, R. W., & Lucas, E. H.** Apparatus for growing microorganisms on a flowing medium. Science, 1945, **101**: 364.—**Liggett, R. W., & Koffler, H.** Corn steep liquor in microbiology. Bact. Rev., Balt., 1948, **12**: 297–311.—**Lourelro, J. A. M. de.** Aerobiose forçada; um aerador aséptico para culturas líquidas em profundidade de microorganismos aeróbios. Cadern. cient., Lisb., 1946–47, **1**: 22–44, 2 pl.—**Lulla, B. S.** Utilization of desizing washings for the culture of industrially important micro-organisms. Current Sc., Bangalore, 1948, **17**: 24.—**Lwoff, A.** Les facteurs de croissance pour les microorganismes. Ann. Inst. Pasteur, Par., 1938, **61**: 580–617; Disc. 777.—**Mario, F.** Milieu solide pour l'isolement et la conservation des microorganismes dégradant la cellulose en aërobiose. Boll. Sez. ital. Soc. internaz. microb., 1939, **11**: 82–4.—**Moore, H. N.** Tbe use of silica gels for the cultivation of balophilic organisms. J. Bact., Balt., 1940, **40**: 409–13; 1941, **41**: 317–21.—**Naegell, O.** Studien über die gegenseitige Beeinflussung von Pilzkulturen auf künstlichen Nährböden (Pilzkolonien als Nährböden für andere Mikroorganismen) In: Sobernheim Festschr. (Bürgi, E., et al.) Basel. 1935, 117–23, pl.—**Pezzl, A.** Ricercbe sullo sviluppo di diversi microrganismi sul terreno al lattosiero del carbone. Boll. Ist. sierotcr. milan., 1940, **19**: 48–50.—**Pratt, E. L.** The growth of microörganisms on media exposed to ultra-violet radiations. J. Bact., Balt., 1936, **32**: 613–9.—**Reader, V.** The relation of the growth of certain micro-organisms to the composition of the medium; the addition of mannitol. Biochem. J., Lond., 1929, **23**: 61–7.—**Sahyun, M., Beard, P.** [et al.] Growth stimulating factors for microorganisms. J. Infect. Dis., 1936, **58**: 28–44.—**Salk, J. E.** Method for separation of micro-organisms from large quantities of broth culture. Proc. Soc. Exp. Biol., N. Y., 1938, **38**: 228–30.—**Schweizer, G.** Die Kaltsterilisation von Nährböden und ihre Bedeutung für die Reinkultur von Mikroorganismen. Arch. Mikrob., Berl., 1936, **7**: 297–314.—**Scott, W. J.** Tbe growtb of micro-organisms on ox muscle; the influence of temperature. J. Counc. Sc. Indust. Res., Melb., 1937, **10**: 338–50, 4 pl.—**Simmonds, S., & Fruton, J. S.** A microorganism exhibiting a growth requirement for peptides. Science, 1949, **109**: 561.—**Snell, E. E.** Growth factors for microorganisms. Annual Rev. Biochem., 1946, **15**: 375–96.—**Spector, H.** The comparative effect of the fatty acids of butterfat and corn oil on the growth and metabolism of microorganisms. Arch. Biocbem., N. Y., 1946, **11**: 167–77.—**Stokes, J. L., Gunness, M., & Foster, J. W.** Vitamin content of ingredients of microbiological culture media. J. Bact., Balt., 1944, **47**: 293–9.—**Stringer, W. J.** A simple dispenser for microbiological media. Analyst, Lond., 1948, **73**: 508.—**Sturm, L. D.** [Cultivation of microorganisms on solid starch media and on gypsum plates] Microbiology, Moskva, 1944, **13**: 45–53.—**Tatum, E. L.** Are gene mutations responsible for the growth factor requirements of microorganisms? J. Bact., Balt., 1945, **49**: 202.—**Torri, O.** Il glucosio nelle culture dei microorganismi. Clin. mod., Fir., 1905, **11**: 361.—**Vacirca, F., & Spiga, A.** Azoto aminico del terreno e sviluppo dei microorganismi. Boll. Soc. ital. biol. sper., 1946, **22**: 229.—**Vladimirov, B. D., & Nefedjeva, N. P.** Mayonnaisen, als Nährboden für die Entwicklung der Mikroorganismen] Vopr. pitan., 1937, **6**: 85–96.—**Welemlnski, F.** Ueber Züchtung von Mikroorganismen in strömenden Nährböden. Zbl. Bakt., 1. Abt., 1906, **42**: 280; 376.—**West, P. M., & Wilson, P. W.** Growth factor requiremcnts of the root nodule bacteria. J. Bact., Balt., 1939, **37**: 161–85, incl. 3 pl.—**Williams, J. W.** Growth of microorganisms in sbake cultures under increased oxygen and carbon dioxide tensions. Growth, Ithaca, 1939, **3**: 21–33. ——— The nature of gel mediums as determined by various gas tensions and its importance in growth of microorganisms and cellular metabolism. Ibid., 181–96.—**Yosida, N.** Nicotinic acid and co-enzyme of respiration as growth-promoting substances for microorganisms. Fukuoka acta med., 1939, **32**: 88.

—— Ecology.

Deposit of micro-organisms at Southport. Rep. Invest. Atmosph. Pollut. (Gr. Britain Dep. Sc. Indust. Res.) 1930, **16**: 11.—**Lipman, C. B.** Living microörganisms in ancient rocks. J. Bact., Balt., 1931, **22**: 183–98.—**Manns, T. F.** Peat organisms that slowly liquefy agar. Science, 1916, n. ser., **43**: 289.—**Meier, F. C., & Lindbergh, C. A.** Collecting micro-organisms from the Arctic atmosphere, with field notes and material. Sc. Month., 1935, **40**: 5–20.—**Raadt, O. L. E. de.** Over het voorkomen van een tot dusver onbekend microorganisme in het lichaam van den mensch in Nederlandsch-Indië. Ned. tschr. geneesk., 1917, **1**: 1604–8.—**Shaposhnikov, V. N.** [Significance of pbysiological cbaracteristics in the taxonomy of microorganisms; criticism of contemporary classifications] Microbiology, Moskva, 1942, **11**: 1–14. ——— [Rôle of physiological characteristics in the taxonomy of microorganisms; tbe genetic relation of energetic processes] Ibid., 1944, **13**: 1–22.—**Soule, M. H.** A microorganism carried by the dust-storm. Science, 1934, **80**: 14.—**Sternberg, C.** Ueber den Einfluss von Licht, Luft und Feucbtigkeit auf das Vorkommen von Mikroorganismen in der Aussenwelt. Wien. med. Presse, 1906, **47**: 2565–74.—**Trotman, S. R.** A new chromogenic organism. J. Soc. Chem. Indust., Lond., 1909, **28**: 1238.

—— Evolution and genetics.

Cold Spring Harbor symposia on quantitative biology. v. 11: Heredity and variation in microorganisms. 314p. 28cm. Cold Spring Harbor, N. Y., 1946.

Lwoff, A. L'évolution physiologique; étude des pertes de fonctions chez les microorganismes. 308p. 25cm. Par., 1944.

Bastian, H. C. The forms of lower organisms as dependent upon molecular constitution and environmental conditions. Lancet, Lond., 1915, **2**: 624.—**Beijerinck, W.** Over het nitraatferment en over pbysiologische soortvorming. Versl. Akad. wet. Amsterdam, 1914, **22**: 1163–70. Also Eng. transl., Proc. Akad. wet. Amsterdam, sect. sc., 1914, **16**: 1211–7.—**Chodat, F.** Chimie et génétique des microorganismes. Chimia, Zür., 1949, **3**: 53–6.—**Pontecorvo, G.** Microbiology, biochemistry, and the genetics of microorganisms. Nature, Lond., 1946, **157**: 95. ——— Genetics of microorganisms. Schweiz. Zschr. Patb. Bakt., 1948, **11**: 395–407. ——— New fields in the biochemical genetics of micro-organisms. Biochem. J., Lond., 1949, **44**: Suppl., p. xviii.—**Tausson, W. O.** [Evolution of microorganisms during the geological periods] Arch. biol. nauk, 1936, **43**: 267–86.

—— filtrable.

See also **Virus.**

Schaupp, E. *Beitrag zur Methodik der Filtration kleinster Körperchen [Königsberg] 31 p. 20½cm. Sarata, 1938.

Ledingham, J. C. G. Unclassified filtrable microorganisms; historical review and brief statement of the present position. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 175.—**Milne, G. R.** Filtration of suspensions of micro-organisms through filter paper and 5-on-3 Jena sintered glass filter. Pharm. J., Lond., 1937, **86**: 5.—**Schmidt-Lange, W., & Hepp, W.** Untersuchungen über Filtrierbarkeit an Bakteriophagen, Lyssavirus und Diphtheriebazillen. Arcb. Hyg., Münch., 1940–41, **125**: 53–64.—**Seiffert, G.** Ueber das Vorkommen filtrabler Mikroorganismen in der Natur und ihre Züchtbarkeit. Zbl. Bakt., 1. Abt., 1937, **139**: 337–42.

—— fossil.

Deflandre, G. Considérations biologiques sur les microorganismes d'origine planctonique conservés dans les silex de la craie. Bull. biol. France, 1935, **69**: 213–44, 5 pl.—**Galippe, V., & Souffland, G.** Recbercbes sur la présence dans les météorites, les pierres dures, les minérais, le quartz, le granite, le basalte, les cendres et les laves volcaniques, d'organites susceptibles de reviviscence et sur leur résistance aux hautes températures. C. rend. Acad. sc., 1921, **172**: 1252–4.—**Moodie, R. L.** Thread molds and bacteria in the Devonian. Science, 1920. n. ser., **51**: 14.—**Rippel, A.** Fossile Mikroorganismen in einem permischen Salzlager. Arch. Mikrob., Berl., 1935, **6**: 350–8.

—— Metabolism.

FULMER, E. I., WERKMAN, C. H. [et al.] An index to the chemical action of microorganisms on the non-nitrogenous organic compounds. 198p. 23cm. Springf., Ill., 1930.
Bibliogr.: p.167-98.

Anslow, W. K., & Raistrick, H. Studies in tbe biocbemistry of micro-organisms; tbe molecular constitutions of catenarin and erythroglaucin, metabolic products respectively of Helminthosporium catenarium Drechsler and of species in the Aspergillus glaucus series. Biocbem. J., Lond., 1940, 34: 1124–33.—**Aubel, E.** Sur le méthylglyoxal considéré comme intermédiaire au cours de la dégradation du glucose par les microorganismes. C. rend. Acad. sc., 1926, 183: 572–4.—**Challenger, F., & Ellis, L.** The formation of organo-metalloidal compounds by microorganisms. J. Chem. Soc., Lond., 1935, 396; 1936, 264.—**Chase, M. W.** A microorganism decomposing group-specific A substances. J. Bact., Balt., 1938, 36: 383–90.—**Cholodny, N. G.** Volatiles evolved by flowers and leaves as a source of nutriment for micro-organisms. C. rend. Acad. sc. URSS, 1944, 43: 71–4.—**Cimino, S.** La produzione di catalasi da parte dei microviventi in rapporto all'età delle culture. Boll. Soc. ital. biol. sper., 1947, 23: 230–2.—**Clifton, C. E.** Oxidative assimilation by various microorganisms. Antonie van Leeuwenhoek, Amst., 1947, 12: 186–92.—**Crabill, C. H., & Reed, H. S.** Convenient methods for demonstrating tbe biochemical activity of microorganisms, witb special reference to the production and activity of enzymes. Biochem. Bull., 1915, 4: 30–44, pl.—**Dieckmann, H.** Neuere Untersucbungen über den O₂-Verbrauch von Mikroorganismen. Zbl. Bakt., 1 Abt., 1934, 114: 193–211.—**Doudoroff, M.** On the utilization and synthesis of sucrose and related compounds by some microorganisms. Fed. Proc., Balt., 1945, 4: 241–7.—**Franke.** Neuere Erkenntnisse zum Stoffwechsel der Mikroorganismen. Zbl. Bakt., 2. Abt., 1942–43, 105: 425 (Abstr.)—**Frei, W.** Oxydation und Zellteilung bei Mikroorganismen. Scbweiz. med. Wschr., 1947, 77: 23–5.—**Grinev, D., & Svitalskaia, N.** [Rôle of microbes in carbohydrate metabolism and its cbanges] Vracb. delo, 1928, 11: 547–51.—**Hesselink van Suchtelen, F. H.** Ueber den Zusammenhang zwiscben den thermochemiscben Eigenschaften der Verbindungen und der Angreifbarkeit dieser Substanzen für Mikroorganismen. Ber. Oberbess. Ges. Natur. Heilk., naturwiss. Abt., 1933, 15: 166–83.—**Hutner, S. H.** The calcium requirements of purple bacteria, green algae, and Spirodela polyrrhiza. J. Bact.. Balt., 1947, 54: 18.—**Karpman, Ł.** [Observations on tbe production of sulphur hydride by microorganisms] Med. dośw., 1936. 21: 255–8.—**Kluyver, A. J.** Atmung. Gärung und Synthese in ihrer gegenseitigen Abhängigkeit. Arch. Mikrob., Berl., 1930, 1: 181–96.—**Loofbourow, J. R., & Morgan, M. N.** Investigation of the production of growth-promoting and growth-inhibiting factors by ultra-violet irradiated microorganisms. J. Bact., Balt., 1940, 39: 437–53.—**McCloskey, C. M., & Porter, J. R.** Utilization of certain rare sugars by microorganisms. Proc. Soc. Exp. Biol., N. Y., 1945, 60: 269–71.—**Meewes, K. H.** Neuere enzymatische Untersucbungen an technisch schädlichen Kleinlebewesen. Zbl. Bakt., 1. Abt., 1939, 144: Beih., 135–8 [Discussion] 138–40.—**Meissel, M. N.** Hyper- and avitaminosis in micro-organisms. Nature, Lond., 1947, 160: 269.—**Nikitinsky, J.** Die anaërobe Bindung des Wasserstoffes durch Mikroorganismen. Zbl. Bakt., 2. Abt., 1907, 19: 495–9.—**Novy, F. G.** Respiration of microorganisms. J. Laborat. Clin. M., 1932. 17: 731–47.—**Perin, A.** Contributo sperimentale allo studio dei microorganismi indolgeni. Arcb. pat., Bologna, 1921–22, 1: 279–97.—**Pickett, M. J.** On the relation between the oxidation and assimilation of simple substrates by microorganisms. Abstr. Diss. Stanford Univ. (1942–43) 1943, 18: 26–8.—**Pulley, H. C., & Greaves, J. D.** An application of tbe autocatalytic growth curve to microbial metabolism. J. Bact., Balt., 1932, 24: 145–68.—**Rodionova, E. A.** [Influence of metabolism products of micro-organisms on the development of others] Arch. biol. nauk, 1930, 30: 335–44.—**Sanborn, J. R.** Materials manufactured by microörganisms. J. Bact., Balt., 1937, 33: 97.—**Sickles, G. M.** Microörganisms which decompose bacterial carbohydrates. Annual Rep. Div. Laborat. N York State Dep. Health, 1935, 9; passim in subseq. vols.—**Simonart, P.** Sources d'azote. In bis Introduct. microb. gén., Liége, 1947, 44–53.—**Smith, E. F.** Two sources of error in the determination of gas-production by microorganisms. Science, 1909, n. ser., 30:224. [Abstr.]—**Stephenson, M., & Gale, E. F.** Metabolic processes in micro-organisms. Brit. M. Bull., 1947–48, 5:305–7.—**Tausson, V. O.** [Transformation of energy by microorganisms] Mikrobiologia. Moskva, 1933, 2: 19–50; 1938, 7: 445–65.—**Verkade, P. E.** Ueber die Angreifbarkeit organischer Verbindungen durch Mikroorganismen. Zbl. Bakt., 2 Abt., 1920, 52: 273–80.—**Waksman, S. A.** The influence of available carbohydrates upon ammonia accumulation by microörganisms. J. Am. Chem. Soc., 1917, 39: 1503–12.—**Wedberg, S. E., & Rettger, L. F.** Factors influencing microbial thermogenesis. J. Bact., Balt., 1940, 39: 23.—**Wedum, A. G., & Golden, B. L.** The carbohydrate gradient of certain microorganisms. J. Infect. Dis., 1937, 60: 94–8.—**Woods, D. D.** Wider aspects of studies of tbe nutrition of microorganisms. Brit. M. Bull., 1947–48, 5: 308–12.—**ZoBell, C. E.** Action of microörganisms on hydrocarbons. Bact. Rev., Balt., 1946, 10: 1–49.

—— pathogenic.

See Microbe; Micropathology.

—— Physiology.

Bushnell, L. D. Micro-organisms and the struggle for existence. Tr. Kansas Acad. Sc., 1945–46, 48: 55–69.—**Fischer, H.** Physiologiscbe Leistungen primitivster Organismen in ihrer stammesgeschicbtlichen Bedeutung. Zbl. Bakt., 2. Abt., 1921, 55: 1–5.—**Herman, M.** L'infiniment petit vivant. Liége méd., 1931, 24: 1589–611.—**Hirsch, J.** Zum Nacbweis von Faktoren, welche die Vermehrung aerober Mikroorganismen beeinflussen. Enzymologia, Amst., 1937, 4: 94–106, cb.—**Jennings, H. S.** The behavior of unicellular organisms. Biol. Lect., 1900, 93–112.—**Micro-organisms** and their environment. Nature, Lond.. 1946, 157: 27.—**Mishustin, E. N., & Vasileva, O. I.** Termofilnye mikroorganizmy pochvy i pricbiny, vyzyvaiusbchie ikh rasprostranenie. Mikrobiologia. Moskva, 1945, 14: 237–43.—**Müller, P. T.** Die allgemeinen Lebensbedingungen der Mikroorganismen. Erg. Pbysiol., 1905, 4: 138–83.—**Niel, C. B. van** [Metbods of locomotion of microorganisms] Ned. tscbr. byg. microb., 1927–28, 2: 93–112.—**Perec, L. G., & Mostova, R. S.** [Reciprocal action of microorganisms at a distance] Vest. rentg., 1935, 14: 352–5; 1936, 17: 510–8.—**Seigneurin, R.** Age pbysique et âge physiologique des microorganismes. C. rend. Soc. biol., 1939, 131: 682–5.—**Zikes, H.** Vergleichende Untersuchungen über Spbaerotilus natans (Kützing) und Cladothrix dichotoma (Cohn) auf Grund von Reinkulturen. Zbl. Bakt., 2. Abt., 1915, 43: 529–52.

—— Population [and count]

Allen, E. S. Tbe accuracy of tbe dilution metbod of estimating the density of a population of micro-organisms. J. Sc. Iowa Coll., 1931–32, 6: 251–62.—**Forster, W. H. C.** A simple technique for tbe enumeration of organisms in any fluid. Lancet, Lond., 1905, 1: 1641.—**Fortner, H., & Kalmus, H.** Die quantitative Darstellung von Protisten und Bakterien mit Hilfe der Filtermethode nach Gimesi. Zscbr. wiss. Mikr., 1928, 45: 61–4.—**Hwang, Y.** Ueber die Möglichkeiten der logarithmischen Darstellung der Mikroorganismenzahlen. Arch. Mikrob., Berl., 1938, 9: 253–67.—**Lilly, D. M.** A photoelectric method for counting microorganisms. Anat. Rec., 1946, 96: 550.—**Reimesch, E.** Zur Frage der quantitativen Bestimmung von Mikroorganismen nebst einer neuen diesbezüglichen, allgemeinen Bestimmungsmethode. Zbl. Bakt., 2. Abt., 1934–35, 91: 460–8.

—— Preservation.

RESSELER, R. Het droog-bewaren van microbiologische wezens en hun reactieproducten; de droogtecbniek. 63p. 24½cm. Brux., 1946.
Forms Pt 2, v. 15, Mém. Sect. sc. natur. Inst. col. belge (Collect. 8°)

Bushnell, O. A. A simple metbod for tbe preservation of bacteria and yeasts by cryochemic means. J. Bact., Balt., 1941, 42: 152.—**Coupin, H.** Sur la conservation en préparations microscopiques des moisissures et des péronosporées. C. rend. Soc. biol., 1919, 82: 209.—**Gordon, R. E., & Smith, N. R.** Preservation of certain microorganisms under paraffin oil. J. Bact., Balt., 1947, 53: 669.—**Ibáñez, R.** Preservación de microorganismos. Rev. san., Madr., 1949, 23: 395–410, 4 pl.

—— Resistance and viability.

See also Disinfection.

KASIMIR, I. *Schädliche Einflüsse auf Mikroorganismen. 22 p. 8° Königsb., 1933.

MANNOZZI-TORINI, M., & VENDRAMINI, R. Effetti biologici delle radiazioni sui microorganismi. p. 1467–525. 25cm. Roma, 1939.
In: Trat. radiobiol. (Balli, R.) Roma, 1939, 3:

Baur, M. Studien über chemiscbe Konstitution und Wirkung; die Wirkung einiger α, α-Diaryl-β-amino-äthanen auf Bakterien und Protozoen. Zschr. ges. exp. Med., 1924, 42: 651–60.—**Bokorny, T.** Einwirkung einiger basischer Stoffe auf Keimpflanzen; Vergleich mit der Wirkung auf Mikroorganismen. Zbl. Bakt., 2. Abt., 1912, 32: 587–605.—**Bortels, H.** Meteorobiologische Reaktionen einiger Mikroorganismen. Ibid., 1942, 105: 305–25.—**Brücke, F.** Ueber die natürliche Sulfonamidresistenz der Mikroorganismen. Wien. klin. Wschr., 1948, 60: 89–91.—**Chistyakov, F. M.** [Effect of temperature on microorganisms] Mikrobiologia, Moskva, 1937, 6: 810–24. —— **& Noskova, G. I.** [Effect of low temperatures on tbe development of microorganisms; effect of low temperatures on tbe development of bacteria and yeasts] Ibid., 1938, 7: 565–78.—**Doznis, K. P., & Hachtel, F.** The influence of heat and storage on the electrophoretic migration velocities of various microörganisms. J. Bact., Balt., 1935, 30: 473–7.—**Dreyer, G., & Walker, E. W. A.** Resistance of micro-organisms suspended in glycerin or oil to the sterilizing action of heat [Abstr.] Proc. Path. Soc. Gr. Britain, 1912–13, 17: 142.—**Frouin, A.** Influence des phospbates sur le développement des microorganismes dans les milieux non albuminoïdes. C. rend. Soc. biol., 1910, 68: 801–3.—**Fulmer, E. I., & Buchanan, R. E.** Studies

on toxicity. J. Gen. Physiol., 1923–24, **6**: 77–89.—**G., H.** Ueber einige chemische Reaktionen der Mikroorganismen und ihre Bedeutung für chemische und biologische Probleme. Naturwissenschaften, 1913, **1**: 981.—**Haines, R. B.** The freezing of microorganisms. Rep. Food Invest. Bd Gr. Britain, 1936, 40.—**Hartoch, O., & Kanewskaja, M.** Beitrag zur Lehre von der mechanischen Schädigung der Kleinlebewesen. Zbl. Bakt., 1. Abt., 1932–33, **127**: 263–8.—**Hinterberger, A.** Geisseln und Myzele unter der Einwirkung von Wärme. Ibid., 1921, Orig., **86**: 233–5.—**Hollaender, A.** Modes of action of monochromatic ultraviolet radiation on microorganisms. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 264.—**Irwin, J. O.** The distribution of the logarithm of survival times when the true law is exponential. J. Hyg., Lond., 1942, **42**: 328–33.—**Jahnel, F.** Ueber das Ueberleben von Trypanosomen und Rekurrensspirochäten nach Abkühlung in flüssigem Helium bis auf −269,5° C, d. i. 3,7° vom absoluten Nullpunkt entfernt. Zschr. Immunforsch., 1938, **94**: 328–41.—**Janke, A.** Ueber die Einwirkung von Radon sowie von Gasteiner Thermalwasser auf Mikroorganismen. Zbl. Bakt., 2. Abt., 1938, **98**: 97–109.—**Jennings, H. S.** Papers on reactions to electricity in unicellular organisms. J. Comp. Neur., 1905, **15**: 528–34. ——— Age, death and conjugation in the light of work on lower organisms. Harvey Lect., Phila., 1911–12, **7**: 256–76.—**Jennison, M. W.** The growth of bacteria, yeasts, and molds in a strong magnetic field. J. Bact., Balt., 1937, **33**: 15.—**Jettmar, H. M.** Ueber das Vorkommen von Mikroorganismen höchster Thermoresistenz in der Natur. Abh. Hyg., 1936, H. 22, 1–58.—**Jong, D. A. de.** Micro-organismes et basses températures. Arch. néerl. physiol., 1922, **7**: 588–91.—**Kanunnikova, Z. A.** [Action of the high frequency field on certain microorganisms] In: Biol. deist. ultravys. chast. (Kupalov, P. S., et al.) Moskva, 1937, 294–301.—**Khalil, F.** The effect of drying on the microbiological processes in soils. Zbl. Bakt., 2. Abt., 1929, **79**: 93–107.—**Kossarev, V. A., & Koshelev, V. I.** [Effect of chloropicrin on vegetable microorganisms] Eksp. vet., Moskva, 1926, **3**: 3–9.—**Levine, A. S., & Fellers, C. R.** The inhibiting effect of acetic acid with sodium chloride and sucrose on microorganisms. J. Bact., Balt., 1940, **39**: 17.—**McFarlane, V. H.** Behavior of microörganisms at subfreezing temperatures; influence of sucrose and hydrogen-ion concentrations. Food Res., 1941, **6**: 481–92.—**Marrassini, A.** A proposito di alcuni procedimenti sperimentali, fondamentali, nella valutazione della attività svolta dalla energia raggiante sui microorganismi. Boll. Ist. sieroter. milan., 1937, **16**: 794.—**Matuda, M., & Wakahara, H.** Tyōonpa sayō no biseibutu ni oyobosu eikyō ni kansuru zikkenteki kenkyū [supersonic effect] Igaku & seibutugaku, 1944, **5**: 461–3.—**Metalnikov, S., & Jakimash, A.** Action du rayonnement radioactif sur la multiplication et sur la structure des microorganismes. Ann. Inst. Pasteur. Par., 1940, **64**: 47–54. ——— **& Jadov, O.** Action du rayonnement radioactif sur la multiplication et la structure des microbes. C. rend. Acad. sc., 1939, **208**: 605; 1692.—**Moller, L.** Die Einwirkung von Dicyandiamid auf das Wachstum verschiedener Mikroorganismen. Biochem. Zschr., 1918, **88**: 85–96.—**Morton, H. E.** The survival of microorganisms in fixed and stained preparations. Am. J. Clin. Path., 1939, **9**: Suppl., 68–70.—**Nadson, G.** Sur l'accélération du tempo de la vie et le vieillissement prématuré chez les organismes inférieurs sous l'influence des rayons X et du radium. C. rend. Soc. biol., 1925, **93**: 1585.—**Pickett, M. J., & Clifton, C. E.** The effect of selective poisons on the utilization of glucose and intermediate compounds in microorganisms. J. Cellul. Physiol., 1943, **22**: 147–65.—**Rippel, A., & Heilmann, F.** Quantitative Untersuchungen über die Wirkung der Kohlensäure auf Heterotrophen. Arch. Mikrob., Berl., 1930, **1**: 119–36.—**Sabalichka, T., & Dietrich, K. R.** Ueber das Verhalten von Mikroorganismen im luftverdünnten Raum. Apothekerzeitung, 1926, **41**: 68.—**Salle, A. J., & Morrison, J. L.** Studies on the virulence of organisms. J. Immun., Balt., 1939, **36**: 385–94.—**Schopfer, W. H.** Recherches sur l'action des produits animaux sur le développement d'un microorganisme (Phycomyces) l'action du lait. Arch. Mikrob., Berl., 1937, **8**: 231–43.—**Schumacher, J., & Liese, W.** Ueber den Abbau der Mikroorganismen in vivo. Zschr. Hyg., 1926, **106**: 28–35.—**Shillinglaw, C. A.** Effect of carbon dioxide and acids on survival of micro-organisms. J. Sc. Iowa Coll., 1941–42, **16**: 132.—**Slater, C.** The effect of disruptive discharges and high-tension and high-frequency electrical currents on microorganisms. Rep. Clin. Res. Laborat. George Hosp., Lond., 1910, 58–65.—**Soshestvensky, N. A., & Sisov, P. V.** [Effect of chloropicrin on sporogenic microorganisms] Eksp. vet., Moskva, 1926, **3**: 10.—**Stille, B.** Ueber den Verlauf des Absterbens von Mikroorganismen bei wiederholtem Gefrieren. Arch. Mikrob., Berl., 1942–43, **13**: 293–300.—**Tanner, F. W., & Appling, J. W.** Bactericidal effect of ultraviolet rays on non-spore forming bacteria and mold spores. Proc. Soc. Exp. Biol., N. Y., 1941, **47**: 47–51.—**Tanner, F. W., & Houston, C. W.** Survival of microorganisms in physiological sodium chloride solutions and in distilled water. Zbl. Bakt., 2. Abt., 1940, **102**: 353–61.—**Tanner, F. W., & Wallace, G. I.** Effect of freezing on microorganisms in various menstrua. Proc. Soc. Exp. Biol., N. Y., 1931, **39**: 32–4.—**Teternik, D. M.** [Effect of sugar and alcohol on the viability of various microflora in hematogen] Vopr. pitan., 1939, **8**: 106–10.—**Trigg, C., & Stahly, G. L.** Some effects of plant growth-regulating substances on microorganisms. Ohio J. Sc., 1948, **48**: 49–55.—**T'ung, T.** Recent studies on the effect of photo-dynamic action on microorganisms. Chin. M. J., Suppl., 1940, **3**: 304–20, pl.—**Werkman, C. H.** Factors influencing the thermal death time of microörganisms. Proc. Iowa Acad. Sc., 1928, 35: 97.—**Wertheim, H.** Ueber die Beeinflussung von Lebensvorgängen der Mikroorganismen durch die Bestrahlung mit Kurzwellen und Ultrakurzwellen. Wien. klin. Wschr., 1937, **50**: 1296–300.—**Worth, W. A., jr, & McCabe, A. M.** Differential effects of 2,4-D on aerobic, anaerobic, and facultative anaerobic microorganisms. Science, 1948, **108**: 16–8.

—— Size and weight.

Dervichian, D. Sur les dimensions des microorganismes considérées à l'échelle moléculaire. Vet. Bull., Lond., 1943, **13**: 207 (Abstr.)—**Hinkelmann, A. J.** Micro-organic weight. Illinois M. J., 1916, **29**: 202–6.—**Lange, L. B.** The dimensions of dividing microörganisms. J. Bact., Balt., 1927, **14**: 275–8.

—— Staining.

Babeş, V. Ueber safraninophile Mikroorganismen. Bull. Acad. roumain., sect. sc., 1916–17, **5**: 211–5.—**Brossa, G. A.** Assorbimento di sostanze coloranti per mezzo di microrganismi. Igiene mod., 1921, **14**: 194–9.—**Burdon, K. L.** Fatty material in bacteria and fungi revealed by staining dried, fixed slide preparations. J. Bact., Balt., 1946, 52: 665–78.—**Callerio, C.** Ricerche col metodo di Feulgen su alcuni micro organismi. Boll. Soc. med. chir., Pavia, 1938, **52**: 747–53, pl.—**Fischel, R.** Bemerkungen zu den Methoden der Mikroorganismenfärbung von Waelsch und von Kraus. Arch. Derm. Syph., Berl., 1905, **76**: 399–402.—**Gray, P. H. H.** A solution for staining differentially the spores and vegetative cells of micro-organisms. Canad. J. Res., 1941, **19**: Sec. C, 95–8.—**Hatcher, J.** Gram positive and negative organisms. Brit. J. Nurs., 1942, **90**: 16.—**Hoffmann, E.** Einfache Dauerfärbung von Hautpilzen und Mikroorganismen mit Azureosinglycerin. Klin. Wschr., 1938, **17**: 1622.—**Krajian, A. A.** A new and rapid staining method for Gram-positive and Gram-negative organisms in frozen and paraffin sections. J. Laborat. Clin. M., 1942–43, **28**: 1602–6.—**Maneval, W. E.** Staining bacteria and yeasts with acid dyes. Stain Techn., 1941, **16**: 13–9.—**Mazza, S.** Sobre las ventajas del nuevo método llamado de la imagen brillante de Hoffman para la observación de microorganismos coloreados en campo obscuro. Rev. As. méd. argent., 1921, **34**: Sect. Soc. med. intern., 372–81.—**Muller, H. E., & Chermock, R. L.** A rapid staining technique for acid-fast organisms. J. Laborat. Clin. M., 1945, **30**: 169–71.—**Neumann, F.** Ueber Geisseldarstellung bei Mikroorganismen im Dunkelfeld, mit Lichtbildern, mikrokinematographischen Demonstrationen von Infusorien, Trypanosomen und Bakterien, sowie Lebendvorführung begeisselter Proteusbazillen. Arch. Schiffs Tropenhyg., 1926, **30**: Beih. 1, 125–32.—**Nitzsche, P.** Verwendung kolloidaler Metalle an Stelle der Tusche bei Burri-Präparaten. Zbl. Bakt., 1. Abt., 1912, **63**: Orig., 575.—**Patocka, F., & Ilavsky, J.** [New method in staining microorganisms] Cas. lék. česk., 1937, **76**: 1457–60.—**Piffard, H. G.** A new staining method for microorganisms. N. York M. J., 1907, **86**: 965.—**Pinner, M.** Atypical acid-fast microorganisms. Tr. Nat. Tuberc. Ass., N. Y., 1935, **31**: 147.

—— Suspension.

See also **Vaccine.**

Stier, T. J. B. A perfusion method for suspensions of microorganisms. Am. J. Physiol., 1940. **129**: 475.—**Williams, R. J., McAlister, E. D., & Roehm, R. R.** A rapid and accurate method for determining the quantity of yeast or other microorganisms in a suspension. J. Biol. Chem., 1929, **83**: 315–20.

—— Therapeutic use.

See also **Antibiotic; Vaccine,** etc.

Merck & Company. Bactericidal substances derived from microorganisms; annotated bibliography. 47 l. 27½cm. Rahway, 1942.

Florey, H. W. The use of micro-organisms for therapeutic purposes. Brit. M. J., 1945, 2: 635–42. Also Produits pharm., 1946, **1**: 373–8. Also Sem. méd., B. Air., 1946, **53**: pt 2, 377–84. Also Yale J. Biol., 1946–47, **19**: 101–17, pl.

—— Type collection.

See also under **Bacteria.**

Catalogue of the National Collection of Type Cultures, maintained by the Council at the Lister Institute of Preventive Medicine. 4. ed. 159p. 8° Lond., 1936.

Forms No. 214, Spec. Rep. Ser. Med. Res. Counc.

Gegenwärtige (Der) Bestand der Králschen Sammlung von Microorganismen, October 1901. 37p. 8° Praha, 1901.

Gundel, M. Die Typenlehre in der Mikrobiologie; ihre Grundlagen und ihre Bedeutung für die Epidemiologie, Klinik und Therapie. 192p. 8° Jena, 1934.

Přibram, E. Der gegenwärtige Bestand der vormaligen Králschen Sammlung von Mikroorganismen. 148p. 8° Wien, 1919.

Catalogue of type cultures [England] J. Am. M. Ass., 1936, **107**: 1575.—**Collection** of cultures of micro-organisms. Brit. Sc. News, 1947–48, **1**: No. 7, 21.—**Collections** of micro-organisms. Nature, Lond., 1946, **157**: 360.—**Conference** on culture collections of micro-organisms in London. Current Sc., Bangalore, 1947, **16**: 374.—**Dmitrevskaia, N. A.** [History of the Museum of Living Cultures] In: Mat. istor. Vsesoiuzn. inst. eksp. med. Gorky, Moskva, 1941, **1**: 143–6.—**Green, R.** The collection of type cultures maintained in the Division of Bacteriology, Institute for Medical Research. Annual Rep. Inst. M. Res., Kaula Lumpur (1936) 1937, 53–60.—**Hauduroy, P.** The collection center for microbic types at the School of Medicine of Lausanne. Med. Times, N. Y., 1946, **74**: 243–6.—**National** (The) collection of type cultures. Lancet, Lond., 1925, **2**: 1086.—**Prévot, A. R., & Bonnefoi, A.** Le centre de collection de types microbiens. Ann. Inst. Pasteur, Par., 1947, **73**: 280–5.—**St John-Brooks, R.** The National Collection of Type Cultures. Brit. M. Bull., 1944, **2**: 284–6.

—— Use.

See also subheadings (Biological role; Therapeutic use)

Marchal, J. G., & Thomas, P. Un indicateur biologique du fer constitué par les produits de sécrétion d'un microorganisme chromogène. C. rend. Soc. biol., 1944, **138**: 168.—**Marshal, C. E.** The technical application of microorganisms to agriculture. Science, 1915, **42**: 257–64.

—— Variability.

Bordet, J., & Bordet, P. Le rôle du calcium dans la dissociation microbienne. Schweiz. Zschr. Path. Bakt., 1941, **4**: 321–31.—**Gause, G. F.** [Variation and heredity among microscopic organisms] Usp. sovrem. biol., 1945, **19**: 132–4.—**Korshikov, A. A.** On some new organisms from the groups Volvocales and Protococcales, and on the genetic relations of these groups. Arch. Protistenk., 1926, **55**: 439–503, 9 pl.—**Krasilnikov, N. A.** [Individual variability of microorganisms] J. obshch. biol., Moskva, 1943, **4**: 15–27.—**Maccolini, R.** Variabilidad y especificidad de los microorganismos. Farmalecta, B. Air., 1947–48, **2**: 75; 109.—**Petri, L.** Les saltations des microrganismes et leur signification biologique. Bol. Sez. ital. Soc. internaz. microb., 1930, **2**: 260–94.—**Pontecorvo, G., & White, M. J. D.** Heredity and variation in micro-organisms. Nature, Lond., 1946, **158**: 363.—**Souknev, V. V.** [Variability of microorganisms according to the Marx-Lenin theory] Vest. mikrob., 1932, **11**: 3–16.

MICROPARASITOLOGY.

See also **Bacteriology; Microbe; Microbiology; Microorganism; Parasitology.**

Dougherty, J. M., & Lamberti, A. J. A textbook of bacteriology and immunology. 360p. 25cm. S. Louis, 1946.

Gotschlich, E., & Schürmann, W. Tratado práctico de microparasitología y serología, considerando especialmente los métodos de investigación que se exponen en los cursos de bacteriología. 2. ed. 355p. 23½cm. Madr., 1932.

Gundel, M. G. P. Grundriss der Mikroparasitologie und der Infektionskrankheiten. 2. Aufl. 214p. 22cm. Lpz., 1944.

Logan, W. R. Bacteriology and protozoology; in medicine and public health. 5. ed. 2 pts in 1 v. 155 p. 18½cm. Edinb., 1945.

Polettini, B., & Severi, R. Lezioni di microparassitologia umana. 553p. 24½cm. Padova, 1938.

Steinhaus, E. A. Insect microbiology; an account of the microbes associated with insects and ticks with special reference to the biologic relationships involved. 763p. 24cm. Ithaca, 1947.

Vîsokovich, V. K., & Kleĭn, B. I. Mikroparazitologia. p. 471–542. 8°. S. Peterb., 1911.

In: Osnovi klin. diag. (Levin & Vîsokovich)

Doetschman, W. H. Some suggestions in microtechnique particularly useful in microentomology and parasitology. Tr. Am. Micr. Soc., 1944, **63**: 175–8.—**Eisenstein, V. W.** Ills, pills and bills; Alice's adventures in germ-land or through the micro-glass. Phi Delta Epsilon News, 1934, **26**: 197–211.—**Rodríguez López-Neyra, C.** La microparasitología al través de los tiempos. Actual. méd., Granada, 1946, **32**: 435–46.

MICROPATHOLOGY.

See also **Bacteriology; Histopathology; Microbiology,** medical.

Журнал микробиологии, эпидемиологии и иммунобиологии. Moskva, v. 2, 1925–

Silveira Moreno, J. A. *Os microbios e o seu papel pathogenico. 147p. 8°. Lisb., 1885.

Bizzarrini, G. Contributi della scienza italiana nel campo della microbiologia patologica. Minerva med., Tor., 1949, **40**: Varia, 323–9.—**Kaempffert, W.** La ferocidad del mundo microbiano. Rev méd., Pueblo, 1940, **13**: No. 124, 24–8.—**Lamb, J. E.** Micro-organisms and disease. Proc. Nebraska M. Soc., 1896, **28**: 202–21.—**Ordóñez, A.** Los microorganismos considerados como gérmenes patógenos; causas y condiciones de la infección. Rev. med. cir., Barranquilla, 1939, **6**: No. 7, 20–45.—**Sopp.** Mikrobernes sygdomme; infektions-begrepets utvidelse. Norsk mag. laegevid., 1915, 5. R., **13**: 1073–99, 5 pl.—**Wohlfeil, T.** Allgemeine Morphologie und Biologie der pathogenen Mikroorganismen. In: Grundr. Hyg. (Flügge, C.) 11. Aufl., Berl., 1940, 580–615.

—— History.

Allen, P. W. The story of microbes. 2. ed. 454p. 23½cm. S. Louis, 1938.

Arabantinos, A. P. Τὰ μικρόβια· ἱστορικὴ καὶ ἀναλυτικὴ μελέτη. 302p. 19cm. Athénai, 1900.

Hauduroy, P. Microbes; de la naissance et de la vie de quelques découvertes illustres en microbiologie. 136p. 19½cm. Lausanne, 1944.

Allen, P. Early American animalcular hypotheses. Bull. Hist. M., 1947, **21**: 734–43.—**Darányi, J.** Entwicklung und Einteilung der Lehre der lebenden Krankheitserreger (Metazoologie, Protozoologie, Bakteriologie, Virologie) Münch. med. Wschr., 1938, **85**: 220.—**Field, A. G.** An historic paper relation of micro-organisms to disease. J. Iowa M. Soc., 1934, **24**: 41.—**Haagensen, C. D., & Lloyd, W. E. B.** The germ theory; the attack on the germ outside the body. In their Hundred Years of Med., N. Y., 1943, 86: 104.—**Leikind, M. C.** The discovery of pathogenic germs. Ciba Sympos., 1940–41, **2**: 726–51.—**Miller, A. A.** [Achievements in microbiology and epidemiology] In: Dreizehn Jahre wiss. Med. Nord.-Kaukasus (Benkovich, I. L.) Rostov, 1934, 39–62.—**Pazzini, A.** Ultime lotte ed ultime vittorie della teoria microbica. Athena, Roma, 1940, **9**: 123–5.—**Troicky, V. L.** [Achievements of Russian microbiology and immunology in the past 25 years J. mikrob., Moskva, 1942, No. 11, 37–49.

—— Methods.

Buddingh, G. J., & Womack, F. C., jr. Observations on the infection of chick embryos with Bacterium tularense, Brucella, and Pasteurella pestis. J. Exp. M., 1941, **74**: 213–22, 3 pl.—**Falkovich, L. I.** [Use of the chorion-allantoid membrane of the chick embryo in study of infection and immunity, associated with microorganisms] J. mikrob., Moskva, 1940, No. 4, 12–7.—**Gerlach, F.** Ueber Versuche zur Sichtbarmachung und Züchtung spezifischer Mikroorganismen bei Virus-Infektionskrankheiten und bösartigen Geschwülsten. Wien. tierärztl. Mschr., 1938, **25**: 165–88, pl.—**Habs, H.** Die Entnahme des Untersuchungsmaterials und die allgemeine Bewertung mikrobiologischer Befunde. In: Ansteck. Krankh. (Gundel, M.) 3. Aufl., Lpz., 1944, 735–47.—**Radna, R.** La microscopie de fluorescence comme mode de recherche du bacille de la lèpre et des trypanosomes. Ann. Soc. belge méd. trop., 1938, **18**: 623–8.

—— veterinary.

Hagan, W. A. An outline of lectures on pathogenic bacteriology (veterinary) and immunity. 98 l. 8°. Rochester, N. Y., 1936.

Schnürer, J. Entwicklung und Leistungen der Veterinär-Medizin auf dem Gebiete der Mikrobiologie in Oesterreich. Wien. med. Wschr., 1927, **77**: 777–9.

MICROPECHIS.

See **Colubridae.**

MICROPHAGE.

See also **Leukocyte; Phagocyte.**

Verrey, F. Microphages dans l'humeur aqueuse. Schweiz med. Wschr., 1943, **73**: 1557.

MICROPHALLINAE.

See also **Heterophyidae; Trematoda;** also names of genera as **Levinseniella; Maritrema.**

Timon-David, J. Sur un trématode parasite des crabes en Méditerranée. Ann. parasit., Par., 1949, **24**: 25–8.

—— Gynaecotyla.

Rankin, J. S., jr. Studies on the trematode family Microphallidae Travassos, 1921; the life cycle and ecology of Gynaecotyla nassicola (Cable and Hunninen, 1938) Yamaguti, 1939. Biol. Bull., 1940, **79**: 439–51.

—— Microphallus.

Osborn, H. L. Observations on Microphallus ovatus, sp. nov., from the crayfish and black bass of Lake Chautauqua, N. Y. J. Parasit., Lanc., 1918-19, 5: 123-7, pl.—**Rausch, R.** New host records for Microphallus ovatus Osborn, 1919. Ibid., 1946, 32: 93. ——— The raccoon, a new host for Microphallus sp., with additional notes on M. ovatus from turtles. Ibid., 208. ——— Some observations on the host relationships of Microphallus opacus (Ward, 1894) (Trematoda; Microphallidae) Tr. Am. Micr. Soc., 1947, 66: 59-63.—**Strandine, E. J.** Variations in Microphallus, a genus of trematodes, from fishes of Lake Lelanau, Michigan. Ibid., 1943, 62: 293-300.

—— Spelotrema.

Chen, H. T. Spelotrema pseudogonotyla n. sp. (Trematoda; Microphallidae) from Hongkong. J. Parasit., Lanc., 1944, 30: 159-61.—**Rankin, J. S., jr.** Studies on the trematode family Microphallidae Travassos, 1921; the genus Spelotrema Jägerskiöld, 1901, and description of a new species, Spelotrema papillorobusta. Tr. Am. Micr. Soc., 1940, 59: 38-47.

MICROPHANURUS.

See also **Serphoidea.**

Nixon, G. E. J. A synopsis of the Ethiopian and Indo-Malayan species of Microphanurus (Serphoidea, Scelionidae) Bull. Entom. Res., Lond., 1943-44, 34: 135-44.

MICROPHOBIA [1945]

See **Phobia.**

MICROPHONE.

See also **Phonograph; Radio; Sound; Telephone.**

McLennan, M. A. Single pickup for photoelectric ear volume and ear pulse. 7 l. 27cm. Dayton, 1945.

Forms No. TSEAL-3-696-4E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Bonner, R. W., & Kirschbaum, H. M. Microphonic transmitter. U. S. Patent Off., 1941, No. 2,254,206.—**Donoher, E. P.** Support and hair covering for earphones. Ibid., 1938, Reissue, 20,871.—**Gaumont, L.** Un nouvel amplificateur des sons. C. rend. Acad. sc., 1922, 175: 1051-3.—**Logemann, H.** Simple RC equalizer circuits. Rev. Sc. Instrum., 1948 19: 196.—**Manfredi, A.** Di un altoparlante elettrolitico. Fisiol. & med., Roma, 1947, n. ser., 1: 121-7.—**Microphones.** Gr. Britain Flying Pers. Res. Com., 1946, No. 651, 15.—[**Royal** (The) Air Force microphone] Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 121-5.—**Schmitt, O. H.** Cathode phase inversion. Rev. Sc. Instrum., 1941, 12: 548-51.—**Sturtevant, J. M.** A stable selective audio amplifier. Ibid., 1947, 18: 124-7.—**Wass, C. A. A.** Feedback amplifiers. Nature, Lond., 1942, 150: 381.—**Wilson, R. G.** A note on the photoelectric amplifier of Heidelberg and Rense. Rev. Sc. Instrum., 1942. 13: 300.—**Zwaardemaker, H.** Eine Camera plumbica für Microphone. Onderzoek. Physiol. laborat. Utrecht., 1912, 5. ser., 13: 49-53.

—— History.

Frederick, H. A. The development of the microphone. p.164-88. 25½cm. N. Y., 1931.

Clipping from Bell Teleph. Q., 1931, 10:

Berliner, E. Vocal physics; historic notes. J. Franklin Inst., 1929, 208: 13-6.—**Owen, G. R.** The microphone, stethoscope, telephone, and artificial aids to hearing; their historical relationship. California West. M., 1939, 51: 169-71.

—— Medical use.

See also under **Audition,** Test; **Auscultation; Deaf,** Apparatus; **Percussion; Phonendoscope; Phonocardiograph; Stethoscope;** also **Audiometry,** in 5. series.

Holden, A. N. The development of the Western Electric audiphone. p.251-8. 25½cm. N. Y., 1933.

Clipping from Bell Teleph. Q., 1933, 12:

Caussé, R., & Gondet, I. Notions théoriques et pratiques sur les appareils amplificateurs pour sourds. Ann. otolar., Par., 1948, 65: 117-36.—**Davis, R. C.** The design and testing of multiple amplifiers for action potential recording. J. Exp. Psychol., 1943, 32: 270-4.—**Eddy, W. C.** Sound pickup unit. U. S. Patent Off., 1948, No. 2,439,459.—**Laimé.** Microphone pour sourds. Bull. Soc. belge otol., 1909-10, 15: pt 2, 75.—**Malcophone** hearing aid acceptable. J. Am. M. Ass., 1940, 114: 413.—**Microphone** (Le) appliqué à la médecine. Nature, Par., 1879-80, 8: 388.—**Western** Electric audiphone orthotechnic model acceptable. J. Am. M. Ass., 1939, 112: 1062.—**Western** Electric ortho-tronic audiphone acceptable. Ibid., 1943, 121: 1283.

—— Physiology.

See also **Audition,** Theory; **Sound,** Localization; **Speech.**

Leiri, F. Eine Theorie vom Hören als Folge von Mikrophonwirkungen im Ohr. 115p. 8° Helsin., 1935.

In: Acta Soc. med. Duodecim. 1935, 21: ser. B. No. 5.

Castro Sánchez, E. R. La radiotelefonía aplicada a la localización acústica. Rev. mil., B Air., 1941, 41: pt 2, 1079-86.—**Curtis, J. F.** Intelligibility related to microphone position. Speech Monogr., 1946, 13: No. 2, 8-12.—**Davis, H., Gernandt, B. E.** [et al.] Aural microphonics in the cochlea of the guinea pig. J. Acoust. Soc. America, 1949, 21: 502-10.—**Leiri, F.** Ueber Mikrophoneffekte im Ohr. Acta otolar., Stockh., 1935, 22: 111-23.—**Révész, G.** Tonsystem jenseits des musikalischen Gebietes, musikalische Mikrosysteme und ihre Beziehung zu der musikalischen Akustik. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1935, 134: 25-61.—**Wagner, R., & Zintl, H.** Versuche zur selektiven Verstärkung bestimmter Gebiete des Tonbereichs mit Hilfe von polyphonen Membranen Zschr. Biol., 1937, 98: 11-25.—**Way, B.** The electric and magnetic principles in the hearing aid. In: Ear & its Dis. (Whitaker, E.) Lond., 1940, 77-100.

MICROPHONIA.

See under **Phonasthenia; Voice,** Disorder.

MICROPHOTOGRAPHY$_1$ [1858]

See also **Microfilm,** Photography; **Microradiography; Motion picture; Photography;** also such headings as **Anthropology,** Methods; **Criminology,** Methods, etc. See also next heading.

Raney, M. L., ed. Microphotography for libraries. 138p. 22cm. Chic., 1936.

Barleben, K. A., jr. The miniature camera in scientific photography. J. Biol. Photogr. Ass., 1934, 2: 157-66.—**Borges, T.** La cámara de comparación fotomicrográfica y su aplicación policiológica. Criminalia, Méx., 1945, 11: 160.—**Hagelstein, F.** Die Kleinbildphotographie im Dienste der Wissenschaft. Zschr. ges. Krankenhauswes., 1933, 29: 254-6.—**Jack, A., & Bornhofen, O.** Die Leica als Hilfsmittel in Eisenhütten-Forschungsanstalten. Zschr. wiss. Mikr., 1936, 53: 193-200.—**Johnston, G. F.** The miniature camera approach to visual education. J. Laborat. Clin. M., 1942-43, 28: 241-9.—**Karsten, A.** Neue Methoden der Mikrophotographie im Dienste der Kriminalistik. Arch. Krim., 1937, 101: 71-6.—**Langenbruch, H.** Kriminalistische Ultraviolett-Reflex-Mikrophotographie mit einer neuen nach Angaben des Verfassers hergestellten Optik. Ibid., 1936, 99: 15; 119. ——— Die Technik der Ultraviolett-Reflex-Mikrophotographie. Ibid., 1938, 102: 43-8, 3 pl.—**Losert, W.** Der Schmalfilm im Dienste der Oto-Rhino-Laryngologie. Zschr. Hals &c. Heilk., 1937, 42: 382-4.—**Pierce, H. F.** Case-history photographs with the miniature camera. Am. J. Ophth., 1934, 3. ser., 17: 527-9.—**Tucker, S. J.** Further notes on microphotography in anthropology. J. Docum. Reprod., 1942, 5: 139-41.—**Van Slyke, E.** Photography of living tissue in situ. J. Biol. Photogr. Ass., 1935, 4: 24-6.—**Webster, S. H., Liljegren, E. J., & Zimmer, D. J.** Photomicrography of moving objects by electronic photoflash technique. Ibid., 1947-48, 16: 98-102.

MICROPHOTOGRAPHY$_2$ [1860]

See also **Histology,** Methods; **Microbiology,** Methods; **Microcinematography; Micrography,** Photomicrography [idem] **Microscopy.**

Balmasova, Z. N., Brumberg, E. M., & Kozlov, V. E. O mikrofotografii v infrakrasnykh luchakh. Izv. Akad. nauk SSSR, sér. biol., 1948, 616-8, pl.—**Bossert, K.** Die Mikrofotografie im Dienste der chemischen Forschung. Mikrokosmos, Stuttg., 1949-50, 39: 104, illust.—**Calzavara, E., & Bertrand, I.** Emploi des sensibilisateurs photographiques en micrographie histologique. Rev. opt., Par., 1927, 6: 397-430, illust.—**Chambre** microphotographique. Ibid., 1929, 8: 223.—**Dubreuil, G.** Collection de microphotographies pour l'enseignement de l'histologie. C rend. Ass. anat., 1925, 20: 430. ——— Agrandissements de microphotographies histologiques et reproduction pour illustrations. Ibid., 431.—**Langeron, M. C. P.** Microphotographie. In his Précis d. microsc., 7. éd., Par., 1949, 339-53, illust.—**Masimo, T.** Kenbikyō syasin no hozyo tisiki [Supplementary information ...] Nippon J. Clin. Angiocard., 1937-38, 3: 225-8.—**Microscope** pour la microphotographie. Rev. opt., Par., 1932, 11: 31.—**Rau, P. J.** The use of the microphotographic objective to improve image definition in photomicrography of semi-micro objects. Turtox News, 1949, 27: 239-42, illust.—**Small, J.** Botanical low-power photomicrography. Brit. Sc. News, 1949-50, 3: 69-74, illust.

MICROPHOTOMETER.

See also **Colorimetry; Light,** Measurement; **Nephelometry; Photometry; Photovoltaic cell; Spectrophotometry;** also such terms as **Biochemistry,** Methods; **Chemistry,** Microchemistry; **Illumination,** Measurement; **Photography;** also under names of substances chemically analyzed such as **Hemoglobin,** etc.

Auriac. Etude de quelques films radiographiques au microphotomètre enregistreur. Bull. Soc. radiol. méd. France, 1936, **24:** 478–81.—**Danjon, A.** Description et usage d'un microphotomètre différentiel. Rev. opt., Par., 1926, **5:** 55–62, illust.—**Ditchburn, R. W., & Power-Steele, E. J.** The resolving power with a microphotometer. Proc. R. Irish Acad., 1933, **41** A: 137–55.—**Fabry, C., & Buisson, H.** Description et emploi d'un nouveau microphotomètre. J. phys., Par., 1919, **9:** 37–46.—**Fürth, R.** A new type of microphotometer. Nature, Lond., 1942, **149:** 730.—**Gallavresi, L., & Gilardoni, A.** Studio microfotometrico della sfumatura delle immagini radiografiche determinata dagli schermi di rinforzo. Radiol. med., Milano, 1937, **24:** 1041–67.—**Knorr, H. V., & Albers, V. M.** A new recording microphotometer. Rev. Sc. Instrum., 1937, **8:** 183.—**Krumholz, P.** Beiträge zur objektiven Mikrophotometrie. Mikrochim. acta, Wien, 1937, **1:** 205–11.—**Lallemand, A.** Microphotomètre de haute précision. Rev. opt., Par., 1936, **15:** 109–14.—**Lambert, P., & Chalonge, D.** Microphotomètre enregistreur à cellule photoélectrique. Ibid., 1926, **5:** 404–20, illust. ——— Adaptation du microphotomètre enregistreur aux mesures de grande précision. Ibid., 1931, **10:** 405–13.—**Lehner, J.** Die Herstellung eines einfachen lichtelektrischen Mikrophotometers. Fortsch. Röntgenstrahl., 1934, **50:** 170–4.—**Liau, S. P.** Emploi du microphotomètre Fabry et Buisson pour la mesure des clichés stellaires pris au foyer. Rev. opt., Par., 1935, **14:** 305–16.—**Martin, L. C.** Exhibit of a simple microphotometer. Tr. Optic. Soc., Lond., 1924–25, **26:** 109–12.—**Metzner, P.** Ueber einfache Mikrophotometereinrichtungen. Zschr. wiss. Mikr., 1937, **54:** 24–32.—**Microphotometer.** Rev. Sc. Instrum., 1942, **13:** 38.—**Okkels, H.** Note sur l'applications de l'électrophotométrie à l'histologie quantitative. C. rend. Soc. biol., 1938, **129:** 97–9.—**Petrakis, N. L., Lamb, W. R., & Shapiro, J. J.** An improved microphotometric apparatus and its use in quantitative histochemistry. Nuclear Sc. Abstr., 1949, **3:** 51.—**Rajewsky, B.** Eine neue Messanordnung für kleinste Lichtintensitäten. Strahlentherapie, 1930, **39:** 194–200. ——— Ueber eine einfache lichtelektrische Anordnung zur Messung kleinster Lichtmengen. Ibid., 1931, **40:** 708.—**Rosenblum, P., & DeBretteville, A., jr.** Accurate, simple recording microphotometer. Rev. Sc. Instrum., 1949, **20:** 321–3.—**Sannié, C.** Microphotomètre photoélectrique enregistreur sans fente ni amplification. Rev. opt., Par., 1935, **14:** 107–19.—**Scheidegger, S.** Photoelektrischer Belichtungsmesser für die Mikrophotographie. Mikroskopie, Wien, 1948, **3:** 86–91.—**Séletsky, L.** Un nouveau microphotomètre enregistreur. Rev. opt., Par., 1933, **12:** 363–7.—**Vincent, H. B., & Sawyer, R. A.** A high speed high precision microphotometer. J. Optic. Soc. America, 1937, **27:** 193–7.—**Weech, A. A.** A micro-photoelectric photometer. Proc. Soc. Exp. Biol., N. Y., 1940, **45:** 858–61.—**Weigle, J.** A new microphotometer. Rev. Sc. Instrum., 1933, n. ser., **4:** 595–7.—**Würstlin, K.** Mikrophotometrische Erfassung der Zeichenschärfe von Verstärkungsfolien. Fortsch. Röntgenstrahl., 1936, **54:** 519–21.

MICROPHOTORADIOGRAPHY.

See **Microradiography**$_1$.

MICROPHTHALMUS.

See **Eyeball,** Abnormity.

MICROPHYSICS.

See also **Chemistry,** Microchemistry; **Nuclear physics; Quantum theory; Physics;** also such headings as **Atom; Electron; Particle;** also related terms of nuclear science such as **Nuclear energy; Nuclear fission; Nuclear mass; Nuclear medicine,** etc.

Ratzenhofer, M. Moderne Physik in der Medizin; die Bedeutung mikrophysikalischer Elementarereignisse für den gesunden und den kranken Organismus. 79p. 21cm. Wien, 1946.

Gicklhorn, J. Mikrophysik und Mikrochemie in der Biologie und Medizin. Biol. gen., Wien, 1932, **8:** 631–90.—**Guillermin, P.** L'ultra-physique en biologie. Schweiz. Mschr. Zahnh., 1935, **45:** 996–1013.—**Jordan, P.** Zur Quanten-Biologie. Biol. Zbl., 1939, **59:** 1–39.—**LeGalley, D. P.** Modern alchemy. Am. J. Pharm., 1942, **114:** 388–404.

MICROPHYTE.

See also **Bacteria; Microbe; Microorganism;** also **Algae; Fungi; Hydrobiology; Limnology; Microbiology; Plankton; Soil,** Microorganisms; **Water,** Microorganisms, etc.

Thomasson, H. Methoden zur Untersuchung der Mikrophyten der limnischen Litoral- und Profundalzone. In-Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1925. Abt. 9, Teil 2, 681–712.

MICROPIPETTE.

See also **Microtitration; Microtool; Micrurgy; Pipette; Serology,** Instruments.

Andreoni, R. Apparecchio aspiratore per pipette e micropipette. Diagn. tecn. laborat., Nap., 1936, **7:** 743.—**Bond, E. W.** A convenient method for preparing graduated capillary serological pipettes for use in pullorum agglutination test. Canad. J. Comp. M., 1945, **9:** 166.—**Comandon, J., & Fonbrune, P. de.** Méthodes pour l'obtention et l'utilisation des micropipettes. C. rend. Soc. biol., 1934, **116:** 1353–6.—**Fonbrune, P. de.** Technique générale pour l'étirage d'une micropipette. In his Techn. micromanip., Par., 1949, 96–106.—**Francis, L. D.** Calibration of micropipettes and tubes simplified. J. Laborat. Clin. M., 1936–37, **22:** 718–20.—**Kato, K.** Combination microhemopipette for determination of the sedimentation rate, packed cell volume, and fragility of erythrocytes, especially adapted for use in children and small laboratory animals. Ibid., 1937–38, **23:** 980–4.—**New** (A) useful micro-pipette for blood analysis. Laboratory, Pittsb., 1939, **10:** 90.—**Nordmann, J.** Microburette-micropipette. Ann. biol. clin., Par., 1947, **5:** 401–4.—**Richter, K. M.** A precision micro-pipette trimmer. Science, 1947, **106:** 598.—**Schuhecker, K.** Eine Mikroauswasch-pipette. Biochem. Zschr., 1926, **171:** 287–95.—**Thompson, W. R.** Recalibration of Mohr micropipettes. Annual Rep. Div. Laborat. N. York State Dep. Health, 1948, 34.—**Tripp, H. D.** A filling device for micro-pipettes. J. Laborat. Clin. M., 1928–29, **14:** 885.—**Wolff, M.** Eine einfache und dauernde Saugpipette zum Gebrauch bei mikroskopischen Arbeiten. Zbl. Bakt., 1908, **46:** 648–51.—**Wolff, R.** Un modèle pratique de micropipette. Bull. Soc. chim. biol., Par., 1926, **8:** 1112.—**Young, L.** A micropipette suitable for the cutaneous application of vesicants. Canad. J. Res., 1947, ser. E, **25:** 137–40.

MICROPLANIA.

See **Erythrocyte,** Size: Variation; **Icterus,** hemolytic.

MICROPLASIA.

See under **Dwarfism;** also under names of parts individually affected as **Arm,** Abnormities; **Eyeball,** Abnormity, etc.; also such headings as **Microcephalus; Micromelia,** etc.

MICROPLETHYSMOGRAPHY.

See also **Blood circulation,** Examination; **Plethysmography; Vasomotor,** Physiology; see also such headings as **Blood-vessels,** Examination; **Emotion,** Bodily changes; **Lying,** Somatic effects and detection, etc.; see also **Pulse; Pulse wave; Sphygmography.**

Megibow, R. S., & Feitelberg, S. Application of microplethysmography to diagnosis of patent ductus arteriosus and coarctation of aorta. Am. J. Med., 1948, **4:** 798–805.—**Megibow, R. S., & Touroff, A. S. W.** The application of microplethysmography to the evaluation of patients with hypertension. Am. Heart J., 1949, **37:** 650.

—— Impedance plethysmograph.

See also **Electric impedance.**

DuBois, D., & Nims, L. F. An improved impedance plethysmograph. 6 l. 28cm. N. Haven, 1945.

Forms No. 45, Rep. Yale Aeromed. Res. Unit. Also forms No. 439, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Kaufman, S. S., Nims, L. F. [et al.] New applications of the impedance plethysmograph. 4 l. 28cm. Wash., 1944.

Forms No. 34, Rep. Yale Aeromed. Res. Unit.

Nyboer, J., Bagno, S., & Nims, L. F. The impedance plethysmograph, an electrical volume recorder. 9 l. 28cm. N. Haven, 1943.

Forms No. 21, Rep. Yale Aeromed. Res. Unit. Also forms No. 149, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Goodyer, A. V. N. Observations on the impedance plethysmograph. J. Clin. Invest., 1948, **27:** 536.—**Grundfest, H.** Electro-magnetic induction plethysmograph. Q. Project Summary Off. Nav. Res., 1948, July, 405.—**Nyboer, J.** Elec-

trical impedance plethysmograph. In: Med. Physics (Glasser O.) Chic., 1944, 340. ——— **Bagno, S.** [et al.] Radiocardiograms; electrical impedance changes of the heart in relation to electrocardiograms and heart sounds. J. Clin. Invest., 1940, **19:** 773.

——— Photoelectric plethysmograph [1938]

Giovannini, S., & Posteli, T. Nuovi indirizzi nella clinica delle arteriopatie, primi risultati di ricerche fotopletismografiche. Minerva med., Tor., 1949, **40:** pt 2, 54–8.—**Hertzman, A. B.** Photoelectric plethysmography of the fingers and toes in man. Proc. Soc. Exp. Biol., N. Y., 1937–38, **37:** 529–34. ——— Photoelectric plethysmography of the skin. Meth. Med. Res., Chic., 1948, **1:** 177–82. ——— & **Dillon, J. B.** Photoelectric plethysmography of animal tissues. J. Laborat. Clin. M., 1939–40, **25:** 295–9. ——— Distinction between arterial, venous and flow components in photoelectric plethysmography in man. Am. J. Physiol., 1940, **130:** 177–85.—**Hertzman, A. B., & Randall, W. C.** Further studies on the correlation between skin volume pulses and blood flow. Fed. Proc., Balt., 1948, **7:** 54. ——— & **Jochim, K. E.** The estimation of cutaneous blood flow from the photoelectrically recorded cutaneous volume pulses. Ibid., 1945, **4:** 57. Also Am. J. Physiol., 1945–46, **145:** 716–26.—**Jarlov, E., Hansen, K. G.** [et al.] Au sujet des méthodes d'examen de la circulation périphérique; enregistrements pléthysmographiques et photoélectriques du pouls de la pulpe du doigt chez l'homme. Acta physiother. rheumat. belg., 1949, **4:** 28–35.—**Matthes, K., & Hauss, W.** Lichtelektrische Plethysmogramme. Klin. Wschr., 1938, **17:** 1211–3.

MICROPLEXIA.

See under **Dementia, Schizophrenic** (Physiopathology; Psychopathology)

MICROPOLAROGRAPHY.

See also **Electrometry; Polarography; Trace element;** also **Chemistry,** Microchemistry.

Catch, J. R., Cook, A. H., & Kitchener, J. A. Apparatus for microtitrations with a glass electrode. J. Chem. Soc., Lond., 1945, 319.—**Everdingen, W. A. G. van & Idzerda, J.** [Technique of measuring small potential variations for biological purposes] Ned. tschr. hyg. microb., 1932–33, **7:** 299–317.—**Forche, H. E.** Vereinfachung der polarographischen Methode durch Einführung des Stufenquotienten. Mikrochemie, Wien, 1938, **25:** 217–24.—**Janke, A., & Mikschik, E.** Ueber eine Mikromethode zur potentiometrischen Formoltitration. Ibid., 1939, **27:** 176–9.—**Müller, O. H.** Polarographic study with a microelectrode past which an electrolyte is flowing. J. Am. Chem. Soc., 1947, **69:** 2992–7.—**Stock, J. T.** A micro cell for polarography and amperometric titration. Analyst, Lond. 1946, **71:** 583–5.—**Teisinger, J.** Mikropolarographische Bestimmung von Nitrobenzen im Blut. Mikrochemie, Wien, 1938, **25:** 151–6.—**West, P. W., & Amis, E. S.** A microcalomel electrode for polarographic measurements. Science, 1945, **101:** 71.

MICROPORADENITIS INGUINALIS.

See **Lymphogranulomatosis inguinalis.**

MICROPOTENTIOMETRY.

See **Micropolarography.**

MICROPROJECTOR.

See also **Micrography,** Apparatus; **Microscope; Projection.**

Bascom, F. S. Projection of microscopic slides; for demonstration or photography. California West. M., 1934, **41:** 43.—**Benda, C.** Vorführung des neuen Zeißschen Projektionsapparates. Med. Klin., Berl., 1925, **21:** 873.—**Brownell, C. G.** Simplified micro-projection for small groups. J. Techn. Meth., Toronto, 1944, **24:** 51–4.—**Hartridge, H.** A microscope projector for lecture purposes. J. R. Micr. Soc., Lond., 1932, **52:** 269–72, pl.—**Hastings, W. S.** A more convenient microprojection apparatus. J. Laborat. Clin. M., 1934, **20:** 93–5.—**Köhler, A.** Die Leistung der Projektionsapparate, insbesondere des Projektionsmikroskops. Naturwissenschaften, 1935, **23:** 27–35.—**Larose, P.** A convenient microprojection apparatus. Canad. J. Res., 1936, **14:** Sect. A, No. 7, 131–3.—**Lossen, F.** Neuer Projektionsapparat von hoher, vielseitiger Leistung bei geringstem Stromverbrauch. Zschr. wiss. Mikr., 1924, **41:** 487–92. ——— Neuerungen in Mikroprojektion durch Verwendung von Glühlampen. Ibid., 1927, **44:** 289–95.—**Matthews, G. P.** A method for vertical microprojection with the carbon arc as illuminant. J. R. Micr. Soc., Lond., 1932, **52:** 134–7, 2 pl.—**Microprojecteur.** Rev. opt., Par., 1938, **17:** 285, illust.—**Miller, W. G.** A simple medium-power apparatus for direct micro-projection. J. R. Micr. Soc., Lond., 1933, **53:** 319–22.—**Naumann, E.** Ueber die Mikroprojektion des lebenden Limnoplanktons. Zschr. wiss. Mikr., 1922, **39:** 155–9.—**Pernkopf, E.** Eine besondere Art der Mikroprojektion von grösseren Uebersichtsbildern mittels des Mikroplanars f = 10 cm. Ibid., 1921, **38:** 261–3.—**Reinders, E.** Mikroprojektion; Betätigung des Mikrometers, des Kreuztisches und der Aperturblende von der Bildwand aus. Ibid., 1929, **46:** 11–20.—**Studnicka, F. K.** Wie kann man im Sehfelde des Mikroskopes zwei verschiedene Präparate gleichzeitig zu sehen bekommen und gleichzeitig projizieren? Ibid., 1907, **24:** 34–8.—**Wallin, I. E.** An inexpensive projection apparatus. Anat. Rec., 1917, **13:** 127–9, pl.—**Wilkinson, H. J.** A low-power micro-projection apparatus. J. R. Micr. Soc., Lond., 1934, **54:** 97.

MICROPSIA.

See also **Hallucination,** visual; also under names of primary conditions as **Arachnoiditis; Lens,** Abnormity; **Mydriasis,** etc.

Anelli, D. La micropia nella midriasi. Boll. ocul., 1933, **12:** 457–73.—**Bartemeier, L. H.** Micropsia. Psychoanal. Q., 1941, **10:** 573–82.—**Esser, A. A. M.** Spiegazione fisica della micropsia e macropsia accomodativa. Boll. ocul., 1925, **4:** 603–5.—**Freeman, E.** The extent of the field of vision in lens micropsia. Arch. Ophth., Chic., 1930, n. ser., **3:** 331–4.—**Heine, L.** Makropsie und Mikropsie. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9:** 123–5.—**Isakowitz, I.** Messende Versuche über Mikropsie durch Konkavgläser nebst Bemerkungen zur Theorie der Entfernungs- und Grössenwahrnehmung. Arch. Ophth., Berl., 1907, **66:** 477–96.—**Matavulj, N., & Sicard, J.** Micropsie, symptôme oculaire accessoire dans un cas d'arachnoïdite opto-chiasmatique. Rev. otoneur., Par., 1949, **21:** 249–51.—**Meige, H.** Micropsie chez un tiqueur bègue. Bull. Soc. neur. Paris, 1903, **5:** 27.—**Schwarz, O.** Zur akkommodativen Mikropsie. Klin. Mbl. Augenh., 1907, **45:** 42–6.—**Sinemus, A.** Untersuchungen über Beleuchtungs- und Körperfarbe bei Mikropsie. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., Lpz., 1932, **125:** 1–37.—**Thiébaut, F., & Matavulj, N.** Hémi-micropsie relative homonyme droite en quadrant inférieur. Rev. otoneur., Par., 1949, **21:** 245.

MICROPYKNOMETER.

See also **Specific gravity,** Determination.

Clemo, G. R., & McQuillen, A. A micropyknometer method for density determinations. J. Chem. Soc., Lond., 1935, 1220.—**Houghton, A. A.** A micro-pyknometer. Analyst, Lond., 1944, **69:** 345.—**Lanz, W.** Une méthode de microdensimétrie. Schweiz. med. Wschr., 1928, **58:** 510–3.

MICROPYLE.

See under **Coccidia; Oocyst.**

MICRORADIOANALYSIS.

See under **Microradiometry; Microteleradiography;** also such headings as **Radioanalysis; Radiochemistry; Radioelement,** etc.

MICRORADIATOR.

See also **Radiobiology,** Methods; **Radiotherapy,** Apparatus; **Radon,** Therapeutic use.

Kornalik, F. Biologische Reaktionen radioaktiver Mikrostrahler. Strahlentherapie, 1938, **62:** 714–24. ——— & **Altschul, W.** Zur biologischen Wirkung radioaktiver Mikrostrahler; vorläufige Mitteilung. Ibid., 1933, **47:** 746–53.

MICRORADIOGRAPHY$_1$ [1896]

Syn.: Abreugrafía; fluoradiography; fluoroentgenography; fluorography; fluorophotography; Kleinbildschirmphotographie; Leuchtschirmphotographie; micromirografia; minography; photofluorography (miniature) photofluoroscopy; photography (fluoroscopic screen, roentgen) photoradiography; photoroentgenography; radiography (indirect, mass, miniature) radiophotography; roentgenography (fluoroscopic, mass) roentgenphotography; schermo(foto)grafia; Schirmbildphotographie; Schirmbildverfahren; screenphotography.

See also **Radiodiagnosis; Radiography; Thorax,** Radiography.

Abreu, M. de. Roentgen fotografía. Rev. As. méd. argent., 1938, **52:** 460–3.—**Abreugrafía.** Arch. argent. enferm. ap. resp., 1941, **9:** 41.—**Beaudoin, H.** Quelques aspects de la photofluorographie. Union méd. Canada, 1946, **75:** 1051–5.—**Berner, F.** Röntgenschirmbild-Photographie und Röntgenreihenbildner. Umschau, 1938, **42:** 986–90, illust.—**Boelen, L. J.** [Photography of roentgenoscopic pictures] Tegen de

tuberculose, 1939, 35: 98–101.—**Bonte, G.** La méthode radiophotographique. Presse méd., 1943, 51: 38.—**Cranch, A. L.** Miniature radiography. Pub. Health, Lond., 1939–40, 53: 176, pl.—**Dormer, B. A., & Collender, K. G.** Miniature radiography. Lancet, Lond., 1939, 1: 1309–11, pl.—**Douglas, B. H.** The miniature X-ray film of the chest. Proc. Inst. M. Chicago, 1940–41, 13: 212. ——— & **Birkelo, C. C.** The miniature X-ray film of the chest. Am. Rev. Tuberc., 1941, 43: 108–16.—**Fralick, F. T., McClintock, H. T.** [et al.] Miniature chest X-rays. Canad. M. Ass. J., 1947, 57: 567–72.—**Grechishkin, S. V.** [Micro-roentgenography] Priroda, 1937, 26: No. 5, 1–11.—**Leeming, D.** Miniature radiography. Guy's Hosp. Gaz., Lond., 1941, 55: 283.—**Mistal, O. M.** La radiophotographie. Schweiz. med. Wschr., 1944, 74: 261–7.—**Osetinsky, T. G.** Fotografirovanie s rentgenovskogo ekrana; fluorografia, ekranografia. Hosp. delo, 1945, No. 3, 46–8.—**Paula, A. de, & Benedetti, F.** Roentgenfotografía a vitoria duma idea. Med cir. pharm., Rio, 1940, 167–76.—**Pizon.** A propos de la radiophotographie. Concours méd., 1947, 69: 1666.—**Reynolds, R. A.** Miniature chest radiography. Irish J. M. Sc., 1945. 187–91.—**Rosenthal, A. D.** Fluorography. Med. Bull. Veterans Admin., 1940–41, 17: 380.—**Schinz, H. R.** Zweck, Organisation, Durchführung und vorläufige Ergebnisse der Schirmbilduntersuchung. Schweiz. med. Wschr., 1944, 74: 879–86. ——— Die Schirmbildphotographie. Radiol. clin., Basel, 1946, 15: 36.—**Schöndube, W.** Das Schirmbildverfahren im Dienste der Klinik. Münch. med. Wschr., 1940, 87: 70–3.—**Shellshear, K. E., & Stuart, B. P. A.** Photofluorography; the use of the miniature film in X-ray diagnosis. Med. J. Australia, 1941, 1: 265–7, pl.—**Speder, E.** La radiophotographie. Maroc méd., 1943, 236.—**Sutherland, C. G.** Fluorography. Am. J. M. Sc., 1940, 199: 737–45.—**Valverde S., J. B.** Otros aspectos sobre abreugrafía. Protec. social, La Paz, 1947, 10: No. 114, 12–5.—**Zuppinger, A.** Röntgenologie et radiophotographie. Méd. & hyg., Genève, 1946, 4: No. 88, 7.

—— Apparatus.

See also other subheadings; also **Radiation Gamma, Generator; Rectifier; Roentgen tube; Transformer,** etc.

Abreu, M. de. Roentgen-fotografía; dispositivos y aparatos para roentgen-fotografía y catastro radiológico social. Día méd., B. Air., 1937, 9: 794–6. ——— Dispositivo y aparato para roentgen-fotografía. Ibid., 1938. 10: 157–60. Also Zschr. Tuberk., 1938, 80: 70–91. Also Am. J. Roentg., 1939, 41: 662–6.—**Alexander, S.** A simple serialograph. X-ray Technician, 1944–45, 16: 203.—**Cano Gironda, L.** El método de Abreu con el aparato General Electric roentgenfotografía. Commun. Congr. panamer. tuberc., 1940, 5. Congr., 3: 162–4.—**Davies, S. W. V.** Daylight screening aid for mass radiography. Brit. M. J., 1948, 2: 1117.—**Dormer, B. A., & Gibson, M.** Miniature radiography with two tubes, two cameras, and only one generator. Lancet, Lond., 1939, 2: 1026.—**Fenz, K. J., & Verse, H.** Ein Kleinapparat für Reihendurchleuchtungen und Aufnahmebetrieb. Fortsch. Röntgenstrahl., 1942, 66: 135–40.—**Fossati, F., & Gallone, P.** Informazioni critiche su nuovi accessorii schermografici. Radiol. med., Milano, 1947, 33: 79–83.—**Franke, H.** Die technischen Mittel der Leuchtschirmphotographie. Deut. med. Wschr., 1939, 65: 890.—**From** chests to castings; the G-E photoroentgen unit plays dual role in America's war efforts. Surg. Equip., 1942, 9: No. 5, 10.—**Holfelder, H.** Verfahren und Apparatur zur kollektiven Röntgenphotographie. Fortsch. Röntgenstrahl., 1938, 58: 181–7.—**Iinnett, B. J.** A device for chest measurement in mass radiography. Radiography, Lond., 1947, 13: 152.—**Morgan, R. H., & Murphy, E. G.** A light, compact X-ray generator of high efficiency for mass radiography of the chest. Pub. Health Rep., Wash., 1946, 61: 982–9, 2 pl.—**Morgan, R. H., & Van Allen, W. W.** Standardization of photofluorographic equipment. Am. Rev. Tuberc., 1946, 53: 291–6.—**Noschis, K. W.** Solution of technical problems connected with economical light-weight apparatus for mass miniature radiography. Acta radiol., Stockh., 1948, 29: 268–76.—**Photoroentgen** camera tube coupling device. Bull. U. S. Army M. Dep., 1944, No. 83, 32–4.—**Ponzio, M.** Mezzi e metodo moderni di indagine schermografica. Boll. schermogr., Roma, 1948, 1: 70–9.—**Prozzo, E.** Indagine schermografica con apparecchio photocron Kelley-Koett. Ibid., 34, 4 pl.—**Segre, M.** Di un nuovo dispositivo per le radiografie mirate e per le scriografie. Arch. ital. mal. app. diger., 1935, 4: 281–5.—**Solovkin, E. V.** [A plateglass fluorograph] Voen. san. delo, 1942, No. 9, 54–8.—**Worrad, H. S.** The pneumodigraph Radiography, Lond., 1945, 11: 4–7.

—— Apparatus: Automobile.

Boeglin, P. Was muss man von einem Schirmbild-Röntgen-Auto verlangen? Schweiz. med. Wschr., 1945, 75: 1137.—**Grunberg, M.** Was muss man von einem Schirmbild-Röntgen-Auto-verlangen? Ibid., 930–2.—**Holmgren, B.** Med Svenska nationalföreningens mot tuberkulos skärmbildsbuss i Oerebro län. Kvartalsskr. Sven. nat. fören. tuberk., 1943, 38: 100–7.—**Kristofferson, C. E.** Med Nationalföreningens skärmbildsbuss i Angermanland. Ibid., 1942, 37: 76–86.—**Maisani, A.** Breve nota sull'impiego di un nuovo tipo di accessori per stazione schermografica mobile. Boll. schermogr., Roma, 1948, 1: 80–4.—**Nationalföreningens** skärmbildsbuss. Kvartalsskr., Sven. nat. fören. tuberk., 1942, 37: 58.

—— Camera.

DRAEGER, R. H. The development of an automatic photofluorographic camera. 11p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Project X-135, U. S. Nav. M. Res. Inst.

Birkinshaw, F. The miniature camera in medicine. N. Zealand M. J., 1943, 42: 253–5.—**Development** (The) of an automatic photofluorographic camera. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 7.—**Gallone, P.** L'importanza dell'obiettivo a specchio sferico nella schermografia. Boll. schermogr., Roma, 1949, 2: 7–14.—**Heaf, F.** The use of the Leica camera in making records of radiographs. Tubercle, Lond., 1936–37, 18: 65.—**Hill, T.** Herstellung von Röntgendiapositiven mit der Leica. Münch. med. Wschr., 1941, 88: 127–32.—**Morgan, R. H., Gould, D. M., & Van Allen, W. W.** Two Danish photofluorographic cameras of the original Schmidt type. Am. J. Roentg., 1948, 59: 416–9.

—— Diagnostic aspect.

See also other subheadings (Image; Use) also under names of various diseases as **Bronchiectasis; Lung cancer,** etc.

Axén, O., Lundquist, J., & Nordlander, O. Röntgendiagnostik med skärmbild. Nord. med., 1943, 20: 2041.—**Calchi Novati, G.** Sulle possibilità pratiche dell'indagine schermografica. Atti Accad. med. lombarda, 1941, 30: 351–5.—**Dick, W. P.** Mass radiography in early diagnosis. Lancet, Lond., 1948, 1: 118.—**Franzetti, C. O.** Algunas indicaciones para la lectura de las roentgenfotografías. Rev. san. mil., B. Air., 1945, 44: 857–61.—**Gilson & Lamy, R.** La radiophotographie pulmonaire. Bull. Soc. pédiat. Paris, 1941, 38: 312–4.—**Gould, D. M.** Nontuberculous lesions found in mass x-ray surveys. J. Am. M. Ass., 1945, 127: 753–6.—**Hoffstaedt, E. G. W.** Mass radiography in the early diagnosis of chest disease. Lancet, Lond., 1947, 2: 955–8.—**Kling, L. E.** Chest pathology among apparently well individuals screened on a miniature film. Bull. Pottawatomie Co. M. Soc., 1946, 9: No. 12, 5–11.—**Maxwell, J., Kerley, P., & Paxon, T.** Discussion on non-tuberculous conditions revealed by mass radiography. Proc. R. Soc. M., Lond., 1949, 42: 1039–44.—**Morse, D.** Detection of various chest lesions by mass X-ray survey. Illinois M. J., 1949, 95: 279–85.—**Overholt, R. H., & Wilson, N. J.** Silent and masquerading intrathoracic lesions; the importance of proper identification of lesions discovered during x-ray surveys. N. England J. M., 1946, 234: 169–80.—**Pomelcov, K., Vasilieva, S., & Oblogina, E.** [Diagnostic value of fluorography as compared with roentgenoscopy in mass examinations] Probl. tuberk., Moskva, 1943, No. 5, 34–7.—**Salsano, P.** La schermofotografia; valore e limiti delle sue possibilità diagnostiche nelle affezioni toraciche. Riv. pat. clin. tuberc., 1943, 17: 78–103.—**Scheel, A.** Beinvevets reaksjon ved forskjellige patologiske tilstander belyst ved en mikrorøntgenologisk metode. Nord. med., 1950, 43: 81.—**Schirmbilder** mit besonderem Befund. Schweiz. Aerztezig, 1949, 30: 142.—**Tuberculosis** as revealed by the roentgenogram; eight pages of chest films. Ther. Notes, Detr., 1942, 49: 233–40.

—— Evaluation.

Beilin, I. B. Rannee vyjavlenie tuberkuleza metodom fluorografii. Probl. tuberk., Moskva, 1948, No. 5, 59–61.—**Brailsford, J. F.** Mass miniature photography of the fluorescent image, a criticism. Pub. Health, Lond., 1942–43, 56: 117–9.—**Brooks, W. D. W.** The place of miniature radiography in the diagnosis of diseases of the chest. Brompton Hosp. Rep., Lond., 1943, 12: 87–98. ——— **White, J. D., & Trail, R. R.** Discussion on the place of miniature radiography in the diagnosis of diseases of the chest. Proc. R. Soc. M., Lond., 1942–43, 36: 155–60 (Abstr.)—**Chambers, W., & Behrens, C. F.** Roentgen photography; an economical method for group survey. U. S. Nav. M. Bull., 1940, 38: 297–9, pl.—**Collari, S.** Il valore clinico della schermografia nella diagnosi di tubercolose polmonare. Boll. schermogr., Roma, 1949, 2: 15; 161.—**Ferreira, C.** A roentgenfotografia ou método de Manuel de Abreu; seu valor na profilaxia da tuberculose. Rev. paul. tisiol., 1940, 6: 6–9.—**Fleishman, M.** Case-finding value of miniature X-rays of the chest. Nebraska M. J., 1948, 33: 92–5.—**Gioia, F. G.** Contributo allo studio del problems schermografico. Lotta tuberc., 1942, 13: 622–30.—**Hasché, E.** Zur Frage von Röntgenreihenuntersuchungen. Röntgenpraxis, 1941, 13: 111–3.—**Maingot, G.** A propos de la radiophotographie du thorax. Rev. tuberc., Par., 1939, 5. ser., 5: 802–5.—**Poirot, M.** La radiophotographie dans le dépistage des primo-infections tuberculeuses. J. radiol. électr., 1946, 27: 544–6, illust.—**Pomelcov, K. V.** [Roentgen photography and its practical significance] Probl. tuberk., Moskva, 1940, No. 7, 94–8.—**Raclavsky, V.** Eine kurze Würdigung der indirekten Röntgenphotographie. Wien. med. Wschr., 1940, 90: 743.—**Reviglio, G. M.** Considerazioni sul valore pratico della schermofotografia. Minerva med., Tor., 1942, 33: 469–73.—**Santos Neves, J.** Roentgenfotografia e tuberculose pulmonar. Rev. brasil. tuberc., 1942, 11: 149–70.—**Schermografia** (La) al XV. Congresso nazionale di radiologia medica. Boll. schermogr. Roma, 1948, 1: 85–9.—**Souza, H. S. de.** Valor da roentgen,

fotografia dos pulmões. Arq. brasil. med. nav., 1946, 7: 979.—**Tempini, G., & Ribotto, L.** Considerazioni critiche in tema di schermografia. Lotta tuberc., 1947, 17: 67–9.—**Value of** miniature roentgenography. U. S. Nav. M. Bull., 1941, 39: 573.—**Webb, A. S.** The value of miniature chest films. Illinois M. J., 1943, 83: 412–5.—**Westergren, A.** Om lungtuberkulosdiagnotisk och radiologisk uthildning samt massundersökningar. Sven. läk. tidn., 1944, 41: 684–9.

—— Evaluation, comparative.

Behrens, C. F., Hilleboe, H. E. [et al.] Evaluation of the comparative efficiency of various methods of mass radiography. U. S. Nav. M. Bull., 1945, 45: 635–46.—**Brailsford, J. F.** Mass radiography; its evaluation as a contribution to preventive medicine, particularly as regards tuberculosis. Queen M. Mag., Birm., 1945, 38: 98–103.—**Branscheid.** Die Leistungsfähigkeit von Schirmbild- und Rollpapieraufnahmen bei Reihenuntersuchungen. Röntgenpraxis, 1940, 12: 365 (Ahstr.)—**Christie, A. C.** Evaluación de los métodos empleados para examenes del tórax en gran número. Rev. radiol. fisioter., Chic., 1942, 9: 211–6.—**Clark, K. C., Cordiner, G. R. M., & Ellman, P.** Experiments in X-ray screen photography with control direct radiographs. Brit. J. Radiol., 1941, 14: 54–62.—**Clark, K. C., & Poulsson, K. T.** Further experiments in X-ray screen photography; 1,011 subjects with control direct radiographs. Ibid., 250–4.—**Gines, A. R., & Martínez, C. D.** Imagen radiofotográfica pulmonar de tórax de 2,000 reactores negativos a la tuberculina. Rev. san. mil., Asunción, 1944, No. 141, 93–100.—**Griesbach, R.** Die Kleinbild-Schirmphotographie; ihre derzeitige Bedeutung unter den Methoden der Reihenuntersuchungen des Brustkorbes. Zschr. Tuberk., 1939, 82: 81–91.—**Hauser, H., & Dundon, C. C.** Miniature chest fluorography with control study. Am. J. Roentg., 1945, 54: 470–3.—**Lommel, F.** Vergleichende Röntgenreihenuntersuchung mit Schirmbild und Rollpapierfilmaufnahmen. Beitr. Klin. Tuberk., 1939, 93: 363–80. Also Röntgenpraxis, 1940, 12: 67 (Ahstr.)—**Milani, E.** Radioscopia, radiografia, schermografia; valore e limiti. Boll. schermogr., Roma, 1948, 1: 19–23.—**Paula Souza, R. de, & Certain, D. A.** Relação entre as reações tuberculínicas e os achados roentgenfotográficos. Commun. Congr. panamer. tuberc., 1940, 5. Congr., 3: 172–5.—**Pendergrass, E. P., Warren, S. R., jr, & Haagensen, D. E.** A comparison of stereoscopic miniature chest films, single roentgenograms on paper, and single roentgenograms on large films. Proc. Indust. Hyg. Found. America, 1941, 6. meet., 56.—**Plunkett, R. E., Weber, G. W., & Katz, J.** Comparative value of roentgen-photographic methods. Am. J. Pub. Health, 1941, 31: 772–6. Also Span. transl., Rev. radiol. fisioter., Chic., 1942, 9: 67–71.—**Robins, A. B.** A comparative study of chest x-ray survey methods. U. S. Nav. M. Bull., 1943, 41: 1036–40.—**Ronneaux, G., & Lejard, S.** De la valeur comparée des radiophotographies et des radiographies pulmonaires classiques. J. radiol. électr., 1942–43, 25: 144.—**Schorr, H., & Willbold, O.** Ueber die Leistungsfähigkeit der Schirmbildphotographie im Bereich der klinischen Röntgendiagnostik. Röntgenpraxis. 1939, 11: 77–85.—**Torelli, G.** Ricerche comparative sulla visibilità dei focolai polmonari con la radiografia e la roentgenfotografia. Minerva med., Tor., 1940, 31: pt 2, 425–8.—**Waedt, J.** Die Bedeutung des Schirmbildverfahrens nach Professor Dr Holfelder und der immunhiologischen Hautreaktionen im Kampf gegen die Tbc. Klin. Med., Wien, 1947, 2: 657–9.

—— Exposure.

Francis, T. Das Verhältnis der Belichtungszeit zur Spannung und Objektdicke in der Röntgentphotographie. Acta radiol., Stockh., 1940, 21: 510–8.—**Gilardoni, A.** Controllo rapido dei tempi di esposizione radiografici con schermo fluorescente a lunga luminosità residua. Radiol. med., Milano, 1939, 26: 1131.—**Hondius Boldingh, W.** Belichtingstijden en beeldscherpte hij röntgenschermbeeldphotographie met spiegelcamera. Ned. tschr. geneesk., 1948, 92: 374–7.—**Morgan, R. H.** The automatic control of exposure in photofluorography. Pub. Health Rep., Wash., 1943, 58: 1533–41, pl. Also Dis. Chest, 1945, 11: 150–5. —— **& Hodges, P. C.** An evaluation of automatic exposure control equipment in photofluorography. Radiology, 1945, 45: 588–93.

—— Film.

Alexander, S. 35 mm. fluorography; a study of construction, method and usage. X-ray Technician, 1943–44, 15: 16 &c.—**Aspray, M.** The copying of roentgenograms on miniature film. Am. J. Roentg., 1941, 46: 276.—**Aujaleu & Djian, A.** Le format en radiophotographie. Bull. Soc. méd. mil. fr., 1945, 39: 283–9.—**Boots, E. C.** 35 mm. films in diagnosis of chest conditions. Ann. Int. M., 1943, 18: 997. —— Praise and warning for 35 mm. films in diagnosis of chest conditions. Pittsburgh M. Bull., 1943, 32: 752.—**Brown, R. A.** Thirty-five millimeter fluorography in mass chest x-ray surveys. N. Orleans M. & S. J., 1944–45, 97: 4–9.—**Chantraine.** Kleinstformat oder Mittelformat bei Schirmbildaufnahmen? Beitr. Klin. Tuberk., 1943, 99: 273–90.—**Colburn, J. R.** Medical films in miniature. Mod. Hosp., 1940, 55: 69.—**Copying** radiographs on 16 mm. motion-picture film. Radiogr. Clin. Photogr., 1940, 16: 49.—**Delorenzi, E.** Confronto fra schermografia a piccolo e a medio formato. Radiol. med., Tor., 1948, 34: 139–42.—**Franzetti, C. O.** Camiones radiográficos y película de setenta milímetros. Rev. san. mil. argent., 1947, 46: 401–12.—**Gajewski, H.** Ueber einige charakteristische Verarbeitungsfehler auf Röntgen-Fluorapid-Film für die Leuchtschirmphotographie. Röntg. Photogr., Stuttg., 1947–48, 1: 47–50.—**Gilson, M., & Lamy, R.** Emploi du format moyen en radiophotographie pulmonaire. J. radiol. électr., 1944–45, 26: 28.—**Katō, T.** 35 mm. film kansetu kyōhu syasin no sinrai-do ni tuite. Keiō igaku, 1944, 24: 308.—**La Vette, H. F. X.** Elimination of static marks from photo-roentgenographic films. X-ray Technician, 1944–45, 16: 191–5.—**Ledoux-Lebard, R., & Djian, A.** Les acquisitions récentes et la question du format en radiophotographie. J. radiol. électr., 1946, 27: 345–52.—**MacInnis, W. R.** The use of the 35 mm. fluorograph in mass surveys of the chest. X-ray Technician, 1945–46. 17: 225–7.—**Malcolmson, P. H.** Direct positive micro-film for the reproduction of radiographs. Canad. M. Ass. J., 1942, 46: 68.—**Miller, H. F.** A developing frame for 70 mm. photofluorographic film. X-ray Technician, 1948–49, 20: 227.—**Naguib, A., & Gamal el Din Massoud.** Mass chest survey (70 mm. miniature films) report on chests of 700 new university students. J. Egypt. M. Ass., 1948, 31: 964–9.—**Ondrejička, G.** Zur Wertung der Schirmbildphotographie (mittleres Format) Wien. med. Wschr., 1943, 93: 185 (Ahstr.)—**Quinn, B.** Mass miniature radiography of the chest using 4″ x 5″ film. Radiography, Lond., 1945, 11: 33–7.—**Tice, F.** Photoroentgenographic results; a comparison of the 4″ x 5″ and the 70 mm. equipment in 1,713 cases. Am. Rev. Tuberc., 1946, 53: 454–67.—**Zakovsky, J.** Ueber ein neues Verfahren bei Schirmbildaufnahmen; Schirmbildaufnahmen auf Mittelformat. Wien. med. Wschr., 1939, 89: 1042. —— Ueber die Weiterentwicklung der Schirmbildphotographie auf Mittelformat. Fortsch. Röntgenstrahl., 1943, 67: 246–51.

—— Film: Processing.

DRAEGER, R. H. Instructions for the construction of photofluorographic film drying reel. 4 l. 26½cm. Bethesda, 1945.

Forms Suppl. to Rep. No. 1, Res. Project X–135, U. S. Nav. M. Res. Inst.

Developer for fluorographic films. Bumed News Lett., Wash., 1943, 2: No. 8, 12.—**Fitzpatrick, W. G.** A method of filing miniature radiograms. Lancet, Lond., 1943, 1: 447.—**Lewis, I.** Photofluorographic roll-film viewers. Pub. Health Rep., Wash., 1946, 61: 294–7, 2 pl.—**Oeser, H., & Schümichen, C.** Zur Aufbewahrung und Betrachtung der Röntgenschirmbildphotos. Röntgenpraxis, 1939, 11: 53.

—— Follow-up.

Aspin, J. The management of mass radiography suspects; a two-year follow-up. Tuhercle, Lond., 1949, 30: 170–7.—**Griesbach.** Wiederaufnahme der Röntgen-Reihenuntersuchungen zur Erkennung der Lungentuberkulose. Tuberkulosearzt, 1948, 2: 223.—**Mark, H.** Follow-up of abnormal pulmonary findings observed in mass chest x-ray surveys. Minnesota M., 1947, 30: 1251.—**O'Connor, A.** The investigation of photo-radiographic pick-up cases. J. R. Nav. M. Serv., 1949, 35: 90–4.—**Oscarsson, P. N.** Massundersökning kommunvis med skärmbildsfotografering efterkontroll och tuberkulinprövning; BCG-vaccination i en seans. Kvartalsskr. Sven. nat. fören. tuherk., 1945, 40: 76–85.—**Pfreimbter, R.** Die fachärztliche und klinische Nachprüfung der Ergehnisse der Röntgenreihenuntersuchung des Gaues Mecklenburg. Zschr. Tuberk., 1939, 83: 280–91.—**Stoffels, H.** Durchführung und Ergebnis von Nachuntersuchungen auf Grund der Röntgen-Reihendurchleuchtung nach Prof. Holfelder. Oeff. Gesundhdienst., 1940–41, 6: A, 637–40.—**Weisswange, W. M. H.** Zur Frage der Einschränkung der Verdachtsfälle beim Volksröntgenkataster. Ibid., 1944, 10: A, 14–6.—**Willner, I.** Mass chest X-ray and follow-up; a municipal problem. J. M. Soc. N. Jersey, 1950, 47: 120–3.

—— Forensic aspect.

Birkhäuser, H. Rechtsfragen beim Schirmbildverfahren. Schweiz. Aerztezig, 1945, 26: 157–61.—**Dérobert, L., & Pizon, P.** La semi-micro-radiographie; son application en médecine légale à l'étude des lésions de l'appareil ostéocartilagineux laryngé au cours de la strangulation. Ann. méd. lég., 1945, 25: 193–205.

—— Grid and screen.

Buckstein, J. Spot film fluororoentgenography with movable grid. Am. J. Roentg., 1945, 53: 608–10.—**Griffel, W.** The photofluoroscope in screen photography. Lancet, Lond., 1943, 1: 401.—**Levy, L., & West, D. W.** L'effetto della luminosità e della grana su schermi fluoroscopici usati per la schermografia. Boll. schermogr., Roma, 1948, 1: 147–50, 10 pl.—**Stanford, B.** A research into the physical factors concerned in indirect radiography; a simple method of detecting experimentally the presence of the phenomenon of latent image reinforcement in a fluorescing screen. Brit. J. Radiol., 1941, 14: 213. —— The quantitative estimation of the actinic value of the afterglow of a fluorescing screen. Ibid., 244–6.

—— Hazard.

Gerrits, J. C. Waarschuwing bij de beoordeling van röntgenfoto's en doorlichtingen. Tschr. sociale geneesk., 1947, 25:

351.—**Janker, R.** Ueber den Strahlenschutz bei Röntgenreihenuntersuchungen. Zschr. Tuberk., 1942–43, **89:** 219–23.—**Mass** radiography; a cautionary notice by the Ministry of Health. Brit. M. J., 1944, **2:** 350.—**Morgan, R. H., & Lewis, I.** Notes on the use of protective glass in photofluorographic equipment. Am. J. Roentg., 1945, **54:** 403–6.—**Rump, W.** Ueber den Strahlenschutz bei Schirmbild-Reihenaufnahmen. Fortsch. Röntgenstrahl., 1942, **65:** 42–8.

—— Health survey [1936 Abreu]

See also under **Thorax; Tuberculosis.**

ABREU, M. DE. Exame sistemático pela roentgen-fotografía. p.177–284. 23½cm. Rio, 1940.

In: Med. cir. pharm., Rio, 1940.

Abreu, M. de. Radio-photographie collective. J. radiol électr., 1938, **22:** 232–5. ——— El registro fluorográfico, base de la profilaxia de la tuberculosis. Rev. mex. tuberc., 1945, **7:** 377–89.—**Beckwith, C. J. W.** Mass radiography. Phi Chi Q., 1949, **46:** 54.—**Beynon, A. E.** Civilian mass radiography. Brit. M. J., 1945. **1:** 639. ——— Mass miniature chest radiography. Med. Press, Lond., 1949, **221:** 548; passim. ——— **& Bermingham, W. T.** Mass radiography. Lancet, Lond., 1948, **1:** 304.—**Böhme, W.** Zur Frage des Grossangriffs auf die Tuberkulose mit Hilfe der Schirmbildphotographie. Fortsch. Röntgenstrahl., 1938, **58:** Tagungsh., 37–45.—**Braeuning, H.** Welche Bedeutung hat die Durchführung des Röntgenkatasters in Mecklenberg für die Tbc.-Bekämpfung, und was hat nun in der Angelegenheit zu geschehen? Zschr. Tuberk., 1939, **83:** 292–5.—**Brailsford, J. F.** Mass radiography. Lancet, Lond., 1945, **2:** 808–12.—**Brown, E.** Mass miniature radiography. Med. Off., Lond., 1942, **68:** 188.—**Chambonnet.** La roentgenphotographie de masses. Algérie méd., 1947, **50:** 449. Also Cah. méd., Alger, 1947, **2:** 399.—**Clark, K. C.** The mass examination of the lungs by miniature radiography. Radiography, Lond., 1942, **8:** 18–28.—**Duncan, R. E., & Ricen, E.** The role of photoroentgenograms in the elimination of endemic pulmonary tuberculosis. U. S. Nav. M. Bull., 1941, **39:** 519–21, 3 pl.—**Heaf, F.** Mass radiography. Pub. Health, Lond., 1942–43, **56:** 112–5.—**Hiebert, H. L.** The use of miniature X-ray films in tuberculosis control. J. Lancet, 1944, **64:** 101–3.—**Hoffstaedt, E. G. W.** Mass radiography at the cross roads. Pub. Health, Lond., 1944–45, **58:** 7.—**Jäderholm, K. B.** Om filmstorleken vid massundersökning av lungorna. Nord. med. tskr., 1937, **14:** 1884.—**Janker, R.** Leuchtschirmphotographie; Röntgenreihenuntersuchung. Med. Novit., Lpz., 1939, **48:** 1.—**Jurado López, E. G.** La fotofluorografía y la campaña antituberculosa. Gac. méd., Guayaquil, 1947, **2:** 104–11.—**Kiyono, H., Inoue, K., & Hirahuku, I.** Syūdan kyōbu roentgen kensa ni tuite. Gun idan zassi, 1940, No. 321, 115–34, incl. 6 pl.—**Lavelle, J.** Mass radiography. Brit. M. J., 1942, **1:** 773.—**Lendrum, J. D.** Miniature radiography survey. Annual Health Rep. Co. M. Off. Hampshire, 1947, 58–66.—**Lossen, H.** Röntgen-Schirmbilduntersuchungen. Med. Mschr., 1948, **2:** 250–2.—**McDougall, J. B.** La schermografia di massa. Boll. schermogr., Roma, 1948, **1:** 53; passim.—**Marinaro, N. A., & Phelps, P. S.** Photo-roentgenography in tuberculosis case finding. Connecticut M. J., 1942, **6:** 948–50.—**Mass** miniature radiography of the lungs. Tubercle, Lond., 1942, **23:** No. 8, p. iv.—**Mass** radiography. Rep. Chief M. Off. Min. Health, Lond. (1947–48) 1949, 77.—**Mass** radiography of the chest. Radiography, Lond., 1940, **6:** 235.—**Mass** radiophotography. Brit. M. J., 1940, **1:** 897.—**Microradiography** and the tuberculosis problem in Australia. Med. J. Australia, 1941, **2:** 479.—**Montagar, F.** La radiophotographie dans le dépistage de la tuberculose pulmonaire. Méd. aéronaut., 1946, **1:** 606–17.—**Petersen, G. F.** Mass radiography of the chest. Acta radiol., Stockh., 1947, **28:** 400–4.—**Pindell, M. L.** Photoroentgenography in a tuberculosis program. Radiology, 1942, **38:** 224–31.—**Pollitzer, G., & Berlin, L.** Foto-impressão radiográfica. Rev. paul. tisiol., 1939, **5:** 377–84, incl. 4 pl.—**Potter, H. E.** Miniature films in chest surveys. Radiology, 1940, **34:** 62–5.—**Rahm, N., Westergren, A.** [et al.] Skärmbildsfotografering. Nord. med., 1942, **15:** 2192–8.—**Ribeiro, L.** Collective examination of the thorax by Manoel de Abreu's method. In his Brazil. M. Contr., Rio, 1939, 151–4, 2 pl.—**Robins, A. B.** Chest X-ray survey methods in practice. Am. J. Pub. Health, 1944, **34:** 637–42.—**Rosemberg, J., Gikovate, F.** [et al.] Abreugrafía. Rev. brasil. tuberc., 1947–48, **16:** 307–10.—**Roy, S. C.** Miniature mass radiography; a plea for its adoption. Ind. M. Gaz., 1940, **75:** 209.—**Shanks, S. C.** Mass radiological examination of the chest. Tubercle, Lond., 1939–40, **21:** 185–91.—**Sparks, J. V.** Some problems of miniature mass radiography. Brit. M. J., 1941, **1:** 917–20.—**Stuart, B. P. A.** Mass radiography of the chest. Med. J. Australia, 1941, **2:** 27–9.—**Sutton, P. G.** Mass radiography of the chest, with special reference to the pulmograph. Brit. J. Tuberc., 1940, **34:** 55–60, pl.—**Torelli, G.** Sulla schermografia di massa. Ann. Ist. Carlo Forlanini, 1942, **6:** 318–20.—**Törnell, E.** Massundersökningar med skärmbildsapparat. Sven. läk. tidn., 1940, **37:** 2054–8. Also Kvartalsskr. Sven. nat. fören. tuberk., 1941, **36:** 8–13.—**Trail, R. R.** Miniature mass radiography in perspective. Pub. Health, Lond., 1942–43, **56:** 115–7.—**Uehlinger, E.** Le rôle de la radiophotographie dans la lutte contre la tuberculose. Schweiz. Aerztezig, 1949, **30:** 142–6.—**Ulrici, H.** Mit der Röntgenmusterung auf der Suche nach der unbekannten Tuberkulose. Deut. med. Wschr., 1939, **65:** 869–71.—**Weber, F. J.** Community-wide chest x-ray surveys; an introduction to the problem. Pub. Health Rep., Wash., 1947, **62:** 652–8.—**Wunderly, H. W.** Miniature radiography and mass surveys. Med. J. Australia, 1948, **2:** 268–71.

—— Health survey: Industrial workers.

See also subheading (military)

Andrade, H. L. de, & Oliveira, A. J. A. de. Importância da abreugrafía sistemática nos estabelecimentos industriais. An. med. Sta Mario (Brazil) 1947, **4:** 57–64. Also Clín. tisiol., Rio, 1947, **2:** 349–58.—**Büttner, H. E.** Röntgenreihenuntersuchungen verschiedener Betriebe und Berufsgruppen in einer ostdeutschen Großstadt. Deut. med. Wschr., 1944, **70:** 314.—**Cornet, A., & Cornet, A.** Radioscopie et radiophotographie systématiques; leur application à la médecine du travail. Arch. mal. profess., Par., 1944–45, **6:** 329–33.—**Davey, E. L.** The miniature film program in a small industry. Indust. Nurs., 1943–44, **3:** No. 4, 62.—**Dick, W. P.** Mass miniature radiography of factory groups in Middlesex. Brit. M. J., 1945, **2:** 568. ——— The yearly re-examination of a factory group by mass miniature radiography. Ibid., 1948, **1:** 689–91.—**Elkin, W. F., Irwin, M. A., & Kurtzhalz, C.** A mass chest X-ray survey in Philadelphia war industries. Am. Rev. Tuberc., 1946, **53:** 560–5.—**Ellman, P.** Mass radioscopy in factories. Lancet, Lond., 1942, **1:** 242.—**Gilson, Gros** [et al.] La radiophotographie en médecine du travail. Presse méd., 1942, **50:** 51–3.—**Gilson, M., & Lamy, R.** La radiophotographie en milieu industriel. J. radiol. électr., 1942–43, **25:** 146.—**Hilleboe, H. E., & Newitt, A. W.** Small film radiography in industrial groups. J. Lancet, 1945, **65:** 133–7.—**Kramer, M., Comstock, G. W., & Stocklen, J. B.** An evaluation of a chest X-ray resurvey of an industrial plant. Pub. Health Rep., Wash., 1946, **61:** 990–1001.—**Langert, S., & Runström, G.** Några erfarenheter från ett års skärmbildsundersökning av personalen vid Svenska Kullagerfabriken, Göteborg. Nord. med., 1945, **25:** 630–2.—**Montesano, G.** La schermografia nell'esame degli operai addetti alle industrie minerarie. Med. lavoro, 1945, **36:** 89–94, illust.—**Piatt, A. D.** A radiographic chest survey of patients from the Dachau Concentration Camp. Radiology, 1946, **47:** 234–8.—**Retief, F.** Miniature radiography of mine native labourers at the W. N. L. A. depot. Proc. Transvaal Mine M. Off. Ass., 1941–43, **22:** 181–7. ——— Normal and abnormal radiographic studies and miniature radiography. Ibid., 1946–47, **26:** 39–51.—**Schömmel, H.** Ergebnisse der Röntgenreihenuntersuchung in verschiedenen Betrieben des Gaues Württemberg. Oeff. Gesundhdienst., 1944, **10:** A, 1–13.—**Seydl, G.** Das Röntgenreihenbild in einem Großbetrieb der Kriegsmarine. Praxis, Bern, 1942, **31:** 728 (Abstr.)—**Silva, L. E., Paitoví, C. A., & Soler, J. C.** Resultados de los exámenes roentgenfotográficos en establecimientos industriales. Rev. As. méd. argent., 1942, **56:** 394–7.—**Sparks, J. V.** Miniature mass radiography and industry. Brit. J. Phys. M., 1944, **7:** 8–10.—**Tillich, A.** Schirmbildphotographie und betriebsärztliche Tätigkeit. Wien. klin. Wschr., 1941, **54:** 571–3.—**Torp, I. M.** Problems of mass chest x-ray in industry. X-ray Technician, 1946–47, **18:** 216–9.—**Vargas López, R.** Apuntes sobre radiografías sistematizadas del tórax en grupos aparentemente sanos. Bol. san., Managua, 1946, **6:** No. 41, 11.—**Vigliani, E. C., Parmeggiani, L., & Zanetti, E.** Il controllo schermografico della tubercolosi e della silicosi nelle industrie metalmeccaniche dell'Italia settentrionale. Med. lavoro, 1948, **39:** 1–6.—**Zacks, D.** Massachusetts industrial x-ray program. Massachusetts Health J., 1946, **27:** 12.

—— Health survey: Schools.

Bannen, J. E. The routine chest radiological examination of school children; is it desirable? Med. Press & Circ., Lond., 1944, **212:** 347–9.—**Bennholdt-Thomsen, C.** Erste Erfahrungen mit dem Röntgen-Reihenbildner (von Holfelder) im Kindesalter. Mschr. Kinderh., 1939, **79:** 386–8.—**Boulanger-Pilet, G.** Sur les examens radioscopiques pratiqués en grande série dans les écoles de Paris et de la Seine. Bull. Soc. pédiat. Paris, 1941, **38:** 171–4.—**Cano Gironda, L.** La pesquisa de la tuberculosis en los escolares por la foto-roentgenografía. Rev. méd., Puebla, 1942, **15:** No. 149, 4–6.—**Hopf, M.** Reihendurchleuchtungen von Schulkindern auf dem Lande. Praxis, Bern, 1939, **28:** 577–80.—**Parrique, M. G.** Résultats des examens radiologiques systématiques dans les écoles. Ann. hyg., Par., 1943, **21:** 7–14.—**Pérez, J. C.** La importancia de la abreugrafía en el medio escolar. Bol. Inst. protec. inf., Montev., 1944–45, **18:** 424–9. Also Portug. transl., Arq. pediat., Rio, 1944–45, **17:** 285–90.—**Pettinati, S., & Dall'Acqua, R.** L'esame schermografico nelle università. Boll. schermogr., Roma, 1948, **1:** 112–24.—**Phillips, L. D., Dietrich, A. M., & Evans, G. T.** High school x-ray survey. Delaware M. J., 1944, **16:** 120–2.—**Quinche, P.** Dépistage de la tuberculose par la radiophotographie dans les écoles de Neuchâtel-Ville. Bull. Eidg. Gesundhamt., 1944, 192–6.—**Raimondi, A. A., Gallo, J., & Bonfante, L. M.** El catastro radiográfico mediante el método de Abreu para la admisión de los niños en la Colonia maritima de Necochea. Prensa méd. argent., 1940, **27:** 437–41.—**Reale, M., & Fiorentini, C.** Indagine schermografica ed allergica sugli alunni delle scuole elementari di Forlì e Predappio. Minerva med., Tor., 1941, **32:** pt 2, 603–6.—**Reynolds, R. A.** Mass miniature radiography of children. Irish J. M. Sc., 1946, 134–6.—**Samukawa, M.** Ippan gakudō ni okeru kyōbu roentgen-sen kansetu satuei-zō ni tuite. Acta paediat. jap., 1948,

52: 51.—**Spiridonov, U. D.** [Result of mass roentgen examination of the lungs with aid of the cryptoscope] Probl. tuberk., Moskva, 1942, No. 4, 63–5.

—— Health survey: Statistical results.

FOURESTIER, M. L'expérience de Montreuil-sous-Bois; une tentative de dépistage de la tuberculose pulmonaire par l'examen radiophotographique systématique de toute la population d'une grande ville française. p.232–305. 25cm. Par., 1947.

In: Rec. tr. Inst. nat. hyg., Par., 1947–48, **3:**

Abreu, M. de. Zwei Jahre kollektive Röntgenphotographie. Fortsch. Röntgenstrahl., 1938, 58: 574–87. ——— Il problema della tubercolosi nel Brasile; profilassi e servizio schermografico. Boll. schermogr., Roma, 1949, **2:** 96–105.—**Bacon, R. D.** The 1946 Erie County chest X-ray survey. Pennsylvania M. J., 1947–48, **51:** 141–7.—**Bartlett, N.** Nouvelle méthode d'examen radiographique des collectivités pour combattre la tuberculose en Australie. Bull. Union internat. tuberc., 1949, **20:** 176–87 (incl. Engl. transl.)—**Berner, F.** Die röntgenfachärztliche Auswertung von über 640,000 Röntgenaufnahmen aus Mecklenburg. Zschr. Tuberk., 1939, **83:** 268–79.—**Bohatyrtschuk, F.** Ueber Ergebnisse der Mikroröntgenographie. Acta radiol., Stockh., 1944, **25:** 351–65.—**Burke, R. M.** Chest X-ray survey program in Oklahoma. J. Oklahoma M. Ass., 1948, **41:** 192–6.—**Campano, J., & Pierres, C. A. de.** Resultados de las primeras 10,000 abreugrafías en la ciudad de Tres Arroyos. Día méd., B. Air., 1948, **20:** 2470–2.—**Danmans, E.** Hälsingar passera röntgenkameran. Kvartalsskr. Sven. nat. fören. tuberk., 1944, **39:** 116.—**Davies, T. W.** Report of the medical officer in charge of the mass radiography unit. Annual Rep. King Edward VII Welsh Nat. Mem. Ass., 1946–47, **35:** 61–9. ——— & **Davies, M.** Mass radiography in Wales; experience with a mobile unit. Brit. J. Tuberc., 1945, **39:** 23–37, pl.—**Delos, J.** Sur quatre années de pratique de la radiophotographie dans les collectivités. J. méd. Bordeaux, 1942, **119:** 622–9.—**Determann, A.** Ueber die Ergebnisse von Röntgenschirmbilduntersuchungen im Vergleich zur Tuberkulosehäufigkeit. Tuberkulosearzt, 1948, **2:** 574–80.—**Fine, A., & Steinhausen, T. B.** Experiences with the photoroentgen method in chest surveys; analysis of 156,000 examinations. Ohio M. J., 1945, **41:** 709.—**Fischer, F. K., & Schinz, H. R.** Zürcher Erfahrungen der kantonalen Schirmbildaktion bei über 65,000 untersuchten und abgeklärten Fällen; ein Beitrag zur präventiven Medizin. Schweiz. med. Wschr., 1948, **78:** 217–20.—**Flancher, L. H.** Case-finding programs in state-wide clinics and mass X-ray surveys. Tr. Nat. Tuberc. Ass., N. Y. (1947) 1948, **43:** 377.—**Garsche, R.** Die Schirmbild-Reihenuntersuchung im Kindesalter; Erfahrungen und Ergebnisse. Schweiz. med. Wschr., 1949, **79:** 39–43.—**Gjøen, P.** Erfaringer ved skjermbilledfotograferingen i Trondheim. Tskr. Norske laegeforen., 1948, **68:** 110–2.—**Gould, D. M.** Mass X-ray survey in San Antonio. Pub. Health Rep., Wash., 1945, **60:** 117–26.—**Griesbach, R.** Durchführung, Auswertung und Ergebnisse der Schirmbildphotographie in Augsburg. Zschr. Tuberk., 1943, **90:** 262–70.—**Hall, J. D.** Mass radiography in Bermuda. NAPT Bull., Lond., 1947, **9:** 114–6.—**Humbert, R.** Les examens radiophotographiques dans le canton de Neuchâtel. Radiol. Clin., Basel, 1946, **15:** 37–49.—**Kollbrunner, F.** Résultats statistiques des radiophotographies. Méd. & hyg., Genève, 1946, **4:** No. 88, 7. ——— & **Markoff, N.** Schirmbild und Abklärung; Churer Erfahrungen. Schweiz. Zschr. Tuberk., 1947, **4:** 337–59.—**Krasnitz, A.** Mass X-ray survey in Burlington County. J. M. Soc. N. Jersey, 1947, **44:** 493–5.—**La Cruz Lora, R. de, & Incháustegui C., S. S.** Encuesta radiológica de San Cristóbal. Rev. méd. dominic., 1948, **3:** 36–46.—**Lee, R. E., Fine, A., & Steinhausen, T. B.** Experiences with the photoroentgen method in chest surveys; analysis of 100,000 examinations. South. M. J., 1944, **37:** 217. Also Span. transl., Rev. radiol. fisioter., Chic., 1945, **12:** 83.—**Leffler, A.** Mass radiography in Leeds. Radiography, Lond., 1944, **10:** 72.—**Lozina, C.** L'indagine schermografica nazionale per la tubercolosi in Danimarca. Boll. schermogr., Roma, 1948, **1:** 66–9.—**Lund-Johansen, F.** Omkring skjermbildefotograferingen i Strinda. Nord. med., 1948, **37:** 229–31.—**Maclean, A.** Mass radiography in Glasgow; report on first 50,000 examinations. Edinburgh M. J., 1947, **54:** 488–95.—**Magan, M. G.** Mass radiography service in Dublin. Irish J. M. Sc., 1947, 580–6.—**Mascher, W.** Skärmbildsundersökningen i Södermanlands län. Kvartalsskr. Sven. nat. fören. tuberk., 1949, **44:** 15–26. Also Sven. läk. tidn., 1949, **46:** 816–32.—**Mass** x-ray survey; summary of miniature film and 14″ x 17″ x-ray follow-up [tab.] Annual Rep. Bd Health Florida (1947) 1948, 48: 39.—**Merkert, C. E.** The Minneapolis chest x-ray survey. J. Lancet, 1947, **67:** 223.—**Molnár, V., & Witkowsky, T.** A MABI-ban végzett röntgenernyőfényképezés eredményei. Népegészségügy, 1949. **30:** 9–11.—**Nathan, C. R.** Early observations in a Veterans Administration clinic during a mass chest x-ray survey. Bull. Am. Ass. M. Social Work., 1948, **21:** 24–8.—**Nelson, A.** Skärmbildsundersökningar vid större företag. Kvartalsskr. Sven. nat. fören. tuberk., 1943, **38:** 107–11.—**Neumüller, H.** Miniature X-ray examinations made in Poland in 1948. Acta tuberc. scand., 1949, Suppl. 21, 71–87.—**Orsi, A.** La schermografia nel comune di Milano. Gior. ital. tuberc., 1947, **1:** 211–3.—**Oscarsson, P. N.** Från skärmbildundersökningarna i Malmöhus län. Sven. läk. tidn., 1945, **42:** 478–90.—**Papanicolaou, B.** Photofluorographic survey of 33,971 apparently healthy persons in Greece. Dis. Chest, 1948, **14:** 585–95. ——— & **Papastathopoulos.** Photofluorographic survey in Athens and Salonica. Acta tuberc. scand., 1949, **23:** 188–202.—**Paula, A. de, & Benedetti, F.** Primeiros resultados dos exames coletivos pela roentgenfotografia. Med. cir. pharm., Rio, 1939, 87–90.—**Reuterskiöld, G.** Om skärmbildsundersökningen i Uppsala län. Kvartalsskr. Sven. nat. fören. tuberk., 1946, **41:** 15–21.—**Rochat, P.** 5,000 radiophotographies à Lausanne, 1943 à 1945. Radiol. clin., Basel, 1946, **15:** 49–53.—**Sauter, A.** Zur Frage des Schirmbildkatasters. Bull. Eidg. Gesundhamt., 1944, Gegen Tuberk., 73–80.—**Schicht, A. J.** El catastro roentgen-fotográfico por el método de Abreu en la capital. Rev. med., B. Air., 1939, **1:** 19–26.—**Schrag, E.** Der Volksröntgenkataster im Kriege und die dabei in Württemberg, besonders in Stuttgart gemachten Erfahrungen. Oeff. Gesundhdienst., 1943, **9:** B. 169–81.—**Sherman, G. A.** Five year review of Michigan's mass X-ray service. Michigan Pub. Health, 1946, **34:** 123–6.—**Steiger, J.** Die Ergebnisse von Reihendurchleuchtungen im Kanton St Gallen und Fürstentum Liechtenstein. Schweiz. med. Wschr., 1944, **74:** 1187–90.—**Sucksdorff, M.** Betydelsen av årliga skärmbildsundersökningar. Nord. med., 1947, **33:** 164–9.—**Szakkay, A.** Statisztikai beszámoló a háború után végzett első 100.000 röntgenszürésről. Népegészségügy, 1948, **29:** 693–7.—**Urech, E., & Rochat, P.** La radiophotographie à Vallorbe. Bull. Eidg. Gesundhamt., 1944, 197–200.—**Vaccarezza, R. A., & Zunino, L. R.** Cinco años de examenes roentgen-abreugráficos. Bol. Soc. tisiol. Hosp. nac. centr., B. Air., 1943, 9–16.—**Volksuntersuchungen** mit dem Röntgen-Reihenbildner. Klin. Wschr., 1943, **22:** 132.—**Weber, C. R.** Mass survey of the city of Windsor. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 8, 9.—**Weisswange, W.** Ergebnisse der ersten fünf Millionen Volksröntgenuntersuchungen. Med. Klin., Berl., 1943, **39:** 44. ——— **Buchtala, V., & Delius, H.** Abschliessender Bericht über die Röntgenreihenuntersuchungen in der Slowakei, durchgeführt im Jahre 1940. Zschr. Tuberk., 1943, **90:** 186–95.—**Wilson, R. M. M.** Radiografias en masa en la Gran Bretaña. Medicina, Habana, 1944, **2:** No. 16, 7–9.—**Zanca, P., & Herpel, F. K.** A statistical analysis of 100,000 examinations of the chest by the photoroentgen method. Radiology, 1944, **43:** 122–8. Also Span. transl., Rev. radiol. fisioter., Chic., 1945, **12:** 109–14.

—— History.

Collari, S. Origini, sviluppi e avvenire della schermografia. Lotta tuberc., 1947, **17:** 265–70.—**Doppler, W. A.** What's new and news in group chest X-raying. Tr. Nat. Tuberc. Ass., N. Y. (1946) 1947, **42:** 98–101.—**Graf, H.** Zur Geschichte der Röntgen-Schirmbildphotographie. Röntg. Photogr., Stuttg., 1947–48, **1:** 25–30.—**Hilleboe, H.** New developments in mass radiography of the chest. Hosp. Counc. Bull., 1945, **8:** No. 8, 9–12.—**Jäderholm, K. B.** Skärmbildsfotograferingens utveckling. Nord. med., 1944, **21:** 620–2.—**Lindberg, D. O. N.** History of practical chest roentgen photography, 35 mm. film method. J. Lancet, 1944, **64:** 113.—**Rebello, C. S.** A evolução da roentgenografia. Lisboa med., 1940, **17:** 237–64.

—— Image (incl. photographic aspect)

Axén, O. Vergleich zwischen der Detailerkennbarkeit auf Schirmbildphotographien, bei der Durchleuchtung und auf Grossfilmaufnahmen. Acta radiol., Stockh., 1941, **22:** 547–55.—**Berkhoff, W.** Grenzen der Abbildungsmöglichkeit in der Schirmbildphotographie. Fortsch. Röntgenstrahl., 1942, **65:** 33–42.—**Borges de Faria.** Limites da roentgenfotografia no diagnóstico da tuberculose pulmonar. Med. cir. farm., Rio, 1946, 523–34.—**Fossati, F., & Gallone, P.** L'esame dello schermogramma. Boll. schermogr., Roma, 1948, **1:** 24–30.—**Hasché, E.** Zur objektiven Prüfung der bei Röntgenaufnahmen erzielbaren Bildgüte, mit besonderer Berücksichtigung der Schirmbildphotographie. Röntgenpraxis, 1941, **13:** 108–11.—**Kieffer, J.** Uniformity in chest radiographs for serial studies. Bull. Am. Acad. Tuberc. Physicians, 1942, **6:** 10–8.—**Lecoeur, J.** Les lacunes de la radiophotographie. Rev. tuberc., Par., 1944–45, **9:** 57–9.—**Lindgren, M.** Photographische Schirmbildfragen. Acta radiol., Stockh., 1946, **27:** 374–84.—**Pigorini, L.** Alcune considerazioni sul disegno polmonare soprattutto in rapporto alla lettura dello schermogramma. Boll. schermogr., Roma, 1948, **1:** 97; 137.—**Schopper, E.** Photographische Fragen des Leuchtschirmbildes. Fortsch. Röntgenstrahl., 1939, **60:** 181–5.

—— institutional.

Belli, M., & Baroni, V. Stazione schermografica e dispensario centrale di un grande centro urbano. Lotta tuberc., 1942, **13:** 616–21.—**Bondi, J. L., Scartascini, R., & Lamolla, F. A.** La radiografía de tórax en el medio dispensarial antituberculoso (sugerencias y conclusiones que se desprenden del estudio de 6.700 radiografías) Prensa méd. argent., 1944, **31:** pt 2, 1826–32.—**Bradbury, F. C. S.** The Lancashire mass radiography unit. Med. Off., Lond., 1947, **77:** 153–6.—**Burnett, J. W., & Tice, G. M.** Mass chest survey at the University of Kansas Medical-Center out-patient dispensary. J. Kansas M. Soc., 1948, **49:** 19–22.—**Cabello Campos, J. M.** O serviço de roentgenfotografia do Instituto de Tisiologia Clemente Ferreira. Rev. paul. tisiol., 1943, **9:** 150–65.—**De Loge, M.** Photoroentgenography at Herman Kiefer Hospital. X-ray Tech-

nician, 1942–43, 14: 13–7.—**Hilleboe, H. E.** Mass radiography in general hospitals. Pub. Health Rep., Wash., 1947, 62: 29–31.—**Ickert.** Röntgenschi rmbild oder Durchleuchtung im Gesundheitsamt? Oeff. Gesundhdienst., 1939–40, 5: B, 91.—**Larisch, R.** Ein Jahr Schirmbildphotographie im Rahmen des Gesundheitsamtes. Med. Klin., Berl., 1940, 36: 1377.—**Nezlin, S. E., & Zakin, M. M.** Fluorografia v dispansernoi praktike. Probl. tuberk., Moskva, 1948, No. 5, 55–9.—**Nordgren, B.** Centraldispensärarbetet på Gotland efter 1943 års allmänna skärmbildsundersökning. Nord. med., 1947, 33: 160–4.—**Ochsner, H. C.** The chest survey in a general hospital. Hoosier Health Herald, 1946–47, 28: 121–5.—**Olivo, J. J.** La necesidad de establecer el servicio de microradiografía como rutina en los hospitales oficiales y privados. Sugestiones, Méx., 1947–48, 13: No. 156, 23–5. Also Torreón méd., 1948, 3: 88–91.—**Olsen, J.** Skjermbildefotograferingen ved Bergen helseråd; erfaringer. Nord. med., 1948, 38: 994.—**Pereira da Silva, C.** A radio-fotografia de Manoel de Abreu no Serviço de assistência a psicopatas do E. de S. Paulo. Arq. Serv. assist. psicopat. S. Paulo, 1939, 4: 235–42, 11 pl.—**Scatchard, G. N., & Duszynski, D. O.** Miniature chest X-ray films in general hospitals. J. Am. M. Ass., 1945, 127: 746–8. ——— Routine chest roentgenograms of hospital admissions. Dis. Chest, 1947, 13: 312–20.—**Vera Toledo, J.** La radiología de las colectividades en la Caja de seguro obligatorio. Bol. méd. social, Santiago, 1945–46, 13: 750–5.

—— kinematographic [1897 McIntyre]

See also **Radiography, instantaneous.**

Abreu, M. de. Técnica de la roentgencinematografía. Arch. argent. enferm. ap. resp., 1941, 9: 283–99. Also Día méd., B. Air., 1941, 13: 896; 908.—**Böhme, W.** Ueber Röntgenschmalfilmkinematographie. Fortsch. Röntgenstrahl., 1938, 57: 59–64.—**Castex, M. R., Mazzei, E. S., & Malenchini, M.** Roentgencinematografía (con técnica de Abreu) su aplicación al estudio de las afecciones torácicas. Arch. argent. enferm. ap. resp., 1941, 9: 300–6. Also Prensa méd. argent., 1941, 28: pt 2, 2031–4.—**Cineroentgenography.** Res. Program U. S. Army M. Res. Bd, 1946, Oct., 143.—**Dariaux & Djian.** Solution pratique de radioscopie cinématographique par le procédé du docteur Georges Djian. Bull. Soc. radiol. méd. France, 1935, 23: 344–6. ——— Procédé de radiocinématographie du Docteur Georges Djian. J. radiol. électr., 1936, 20: 158.—**Dessauer, F.** Ueber Kinematographie mit Röntgenstrahlen. Fortsch. Röntgenstrahl., 1937, 56: 126–31; Disc., 141.—**Djian, G.** Procédé du radioscopie cinématographique. C. rend. Acad. sc., 1935, 200: 1443. ——— Evolution de la radiocinématographie. J. radiol. électr., 1944–45, 26: 356–63.—**Fischmann, M.** [A röntgenkinematographia] Gyógyászat, 1937, 77: 198–200.—**Graf.** Technische Grundlagen der indirekten Röntgenkinematographie. Fortsch. Röntgenstrahl., 1937, 56: Kongr., 87–90.—**Hartung, E.** Photographie von Röntgenschirmbildern; Beitrag zur röntgenkinematographischen Aufnahmetechnik. Deut. med. Wschr., 1913, 39: 1106.—**Janker, R.** Der Stand der indirekten Röntgenkinematographie. Fortsch. Röntgenstrahl., 1937, 56: 131; Disc., 141. ——— Die Photographie des Leuchtschirmbildes (Einzelbild und Röntgenkinematographie) Röntgenpraxis, 1939, 11: 271–84.—**Jarre, H. A.** Roentgen cinematography. In: Med. Physics (Glasser, O.) Chic., 1944, 1259.—**Kaestle.** Ueber Röntgenkinematographie. Fortsch. Röntgenstrahl., 1938, 58: Tagungsh., 88.—**Larrú, E.** La cinematografía roentgen (proyección de una película) An. Hosp. S. José, Madr., 1932–33, 4: 9–14.—**Methodik** der Röntgenkinematographie: gleichzeitige Aufschrift von Puls- und anderen Kurven auf denselben Film. Fortsch. Röntgenstrahl., 1944, 70: 127–31.—**Moretzsohn de Castro, J.** Princípios fundamentais para aplicação da cineradiografía como método auxiliar do diagnóstico radiológico. São Paulo méd., 1944, 17: pt 2, 81–7. Also Am. J. Roentg., 1947, 57: 103–14. ——— & **Jany, J.** O método brasileiro de cinerradiografía clínica. An. paul. med. cir., 1942, 43: 503. Also Rev. med. cir. S. Paulo, 1942, 2: 122–8. Also São Paulo méd., 1942, 15: pt 2, 207–24. ——— Apresentação dos primeiros trabalhos de cinerradiografía clínica. Rev. paul. tisiol., 1942, 8: 36. ——— O método brasileiro de cinerradiografía clínica; processo de hipersensibilização prévia das emulsões acessório para filmagen cinerradiográfica. Ibid., 110–38.—**Ramsey, G. H. S., Watson, J. S.,** jr [et al.] Cinefluorography; a progress report on technical problems, dosage factors, and clinical impressions. Radiology, 1949, 52: 684–90.—**Reynolds, R. J.** Some experiments on the production of rapid serial skiagrams from the screen image by means of a cinemagraph camera. Brit. J. Radiol., Roentg. Soc. Sect., 1927, 23: 33–44. ——— Cineradiography. Brit. J. Radiol., 1934, n. ser., 7: 415–24. Also Am. J. Roentg., 1935, 33: 522–8. Also Fortsch. Röntgenstrahl., 1936, 53: 602–6. Also Liverpool Med. Chir. J., 1936, 44: 26–30. ——— X-ray cinematography. Irish J. M. Sc., 1936, 6. ser., 267–71. ——— Cinéradiographie indirecte. J. radiol. électr., 1936, 20: 159–62. ——— Aspect of X-ray cinematography. Newcastle M. J., 1936, 16: 101–7. ——— Praktische Kineradiographie durch die indirekte Methode. Fortsch. Röntgenstrahl., 1937, 56: 132–9; Disc., 141. ——— Cineradiography, its technic and application. Arch. Phys. M., 1948, 29: 147–9.—**Stewart, W. H.** Cinefluorography of today. J. Thorac. Surg., 1937–38, 7: 223–6. ——— & **Ghiselin, F. H.** Recent developments in the cinematography of the fluoroscopic image. South. M. J., 1937, 30: 268–70. ——— Cine-fluorography. South. Surgeon 1940, 9: 21–5. ——— & **Hoffman, W. J.** Cinefluorography. Am. J. Roentg., 1937, 38: 465–9.—**Torelli, G.** Lo stato attuale della roentgencinematografia. Ann. Ist. Carlo Forlanini, 1939, 3: 160–70. ——— La roentgencinematografia con film ad anello. Ibid., 383.—**Watson, J. S.,** jr, & **Weinberg, S.** A 35-mm. unit for cinefluorography. Radiology, 1948, 51: 728–32.

—— kinematographic, direct [Rhegmography]

Belot & Pilon. Fabrication du tube Coolidge; film cinématographique; cinémaradiographie. Bull. Soc. radiol. méd. France, 1920, 8: 156.—**Böhme, W.** [Physiologisch-tierexperimenteller Teil mit röntgenkinematographischen Demonstrationen] Magy. röntg. közl., 1939, 13: 109.—**Bonnefoy.** Les films radiographiques de Pathé-Cinéma. Bull. Soc. radiol. méd. France, 1923, 11: 18–21.—**Bouwers, A.** [Technic of instantaneous roentgen pictures] Ned. tschr. geneesk., 1931, 75: pt 2, 1981–4.—**Cignolini, P.** La regmografia. Radiol. med., Milano, 1939, 26: 44–51.—**Dessauer, F.** Neue Probleme der radiologischen Technik (Aufnahme in einer 1/100 Sekunde, Herzkinematographie) Beibl. Mitt. Ges. phys. Med., Wien, 1911, 4: 1–13. ——— Weitere Arbeiten auf dem Gebiete der Blitzaufnahmen und der Röntgenkinematographie. Verh. Ges. deut. Naturforsch. (1912) 1913, 84: 2. T., 2. Hälfte, 72.—**Franke, H.** Ueber die derzeitigen Möglichkeiten einer Röntgenkinematographie. Fortsch. Röntgenstrahl., 1926, 35: Beih., 18. ——— & **Groedel.** Ueber technische Fortschritte der direkten Röntgenkinematographie. Verh. Deut. Röntg. Ges., 1933, 26: 65–7.—**Holmgren, B. S.** Roentgen cinematography as a routine method. Acta radiol., Stockh., 1945, 26: 286–92.—**Hubacher, O.** Röntgenkinematographie. Radiol. clin., Basel, 1947, 16: 379–82.—**Janker, R.** Zur Röntgenkinematographie. Fortsch. Röntgenstrahl., 1931, 44: 658–68. ——— Résultats obtenus en radio-cinématographie avec présentation de fragments choisis de films, et d'un film sonore radio-cinématographique. P. verb. Congr. internat. photogr. (1935) 1936, 9. Congr., 753–5; Disc., 835. ——— Roentgen cinematography. Am. J. Roentg., 1936, 36: 384–90. ——— Aperçu sur les résultats de la roentgencinématographie. Arch. électr. méd., 1937, 45: 49–63.—**Kästle, C.** Zur Geschichte der Röntgenkinematographie (Bioröntgenographie) und ihrer Leistungen. Fortsch. Röntgenstrahl., 1937, 56: 144–8. ——— **Rieder, H., & Rosenthal, J.** Ueber kinematographisch aufgenommene Röntgenogramme (Bio-Röntgenographie) der inneren Organe des Menschen. Münch. med. Wschr., 1909, 56: 280–2.—**Lomon & Comandon.** La radiocinématographie par la photographie des écrans renforçateurs. Bull. Soc. radiol. méd. France, 1911, 3: 127–34. pl. ——— La cinématographie radiologique. J. radiol. électr., 1924, 8: 433–7.—**Lossen, H.** Röntgenkinematographie. Med. Welt, 1930, 4: 29.—**Melville, F.** X-ray cinematography. Brit. J. Radiol., Roentg. Soc. Sect., 1927, 23: 217–20.—**Palmieri, G. G.** Fatti ed ipotesi intorno alla cinematica cardiopolmonare desunti dall'indagine roentgenchimografica. Radiol. sper., Parma, 1948, 2: 148–68.—**Petrov, V. A.** [Roentgenokinematography] Vest. rentg., 1937, 18: 74–6.—**Pigorini.** Neue direkte Methode der Röntgenkinematographie, die regmographische Methode Cignolinis. Med. Klin., Berl., 1940, 36: 687 (Abstr.)—**Reynolds, R. J.** Demonstration-lecture on X-ray cinematography. Proc. R. Soc. M., Lond., 1934, 27: 985–90.—**Scaglietti, O.** Ist die praktische Anwendung der Röntgenkinematographie heute bereits erreicht? Radiol. Rdsch., 1937–38, 6: 230–4.—**Stuertz, E.** Ueber den Begriff Röntgen-Momentaufnahme und über Prüfung der Röntgenapparate auf ihre Fähigkeit, Momentaufnahmen sich bewegender innerer Organe zu liefern. Deut. med. Wschr., 1911, 37: 869–71.—**Van De Maele.** Appareils de radiocinématographie directe. J. radiol. électr., 1936, 20: 163–5. ——— La radiocinématographie directe. Bull. Acad. méd. Belgique, 1937, 6. ser., 2: 287–90, pl. Also Bruxelles méd., 1937–38, 18: 101–6: No. Spec. 1937, 78–81. Also Acta Unio internat. cancr., Par., 1939, 4: 277–84. Also Brit. J. Radiol., 1938, 11: 804–8. Also Radiology, 1938, 30: 750–5.

—— kymographic.

Balli, L., & Lancellotti, G. Il microchimografo rotante. Radiol. sper., Parma, 1948, 2: 138–41.—**Torelli, G.** La roentgen-cine-chimografia; nota di tecnica. Ann. Ist. Carlo Forlanini, 1939, 3: 836.

—— Laws and regulations.

Bachmann, E. Ueber die Durchführung des Schirmbildverfahrens. Schweiz. Aerztezt g, 1944, 25: 479; passim.—**Höjer, J. A.** Medicinalstyrelsens förslag om allmän skärmbildsundersökning. Kvartalsskr. Sven. nat. fören. tuberk., 1944, 39: 68–86.—**Hopf, M.** A propos de la radiophotographie obligatoire en Suisse. Méd. & hyg., Genève, 1948, 6: 240.—**Lov** om tuberkuloseundersøkelser ved skjermbildefotografering. Norske nasjon. foren. tuberk., 1943, 33: 155.—**Mistal, O. M.** La tuberculose est-elle contagieuse? faut-il rendre la radiophotographie obligatoire? Schweiz. med. Wschr., 1949, 79: 119.—**Rochat, P.** Les médecins vaudois et l'obligation de la radiophotographie. Schweiz. Aerztezt g, 1948, 29: 187–9.

—— Manuals and atlases.

FOSSATI, F., & GALLONE, P. Radiologia schermografica. 387p. 26cm. Milano, 1949.
Bibliogr.: p. 353–75.

Griethuysen, B. G. van. Theoretische en practische grondslagen der röntgenkleinbeeldfotografie. 104p. 24cm. Amst., 1941.

Gutiérrez del Olmo, J. Foto-radioscopía; técnica, aplicaciones, resultados. 63p. 18cm. Barcel., 1941.

Hilleboe, H. E., & Morgan, R. H. Mass radiography of the chest. 288p. 18½cm. Chic. [1945]

Holfelder, H., & Berner, F. Atlas des Röntgenreihenbildes des Brustraumes. 95p. 29½cm. Lpz., 1939.

Janker, R. Leuchtschirmphotographie, Röntgenreihenuntersuchung; die Photographie des Leuchtschirmbildes; eine Methode der Röntgenreihenuntersuchung. 57p. 8° Lpz., 1938.
Forms H. 69, Tuberk. Bibl.

Mottez, M. *La radiophotographie; méthode de radiographie indirecte par photographie de l'écran fluorescent; ses principales applications. 99p. 24cm. Par., 1940.

Trail, R. R., Trenchard, H. J., & Kennedy, J. A. Mass miniature radiography. 96p. 19cm. Lond., 1943.

Zacks, D. Photoradiography in search of tuberculosis. 297p. 26cm. Balt., 1949.

—— Method and technic.

See also subheadings (Exposure; Organization)

Abreu, M. de. Röntgen-photographia. Rev. Ass. paul. med., 1936, **9**: 313–24, 4 pl.—**Aikawa, T.** Syūdan-kensin-hō tosite no roentgen-kansetu-satuei zyutu. Tozai igaku, 1941, **8**: 741; pt 2, 733; 943.—**Available** methods of mass radiological examination. Rep. Nat. Health M. Res. Counc. Australia, 1944, 18. sess., 100–4.—**Bachmann, E.** Das Schirmbildverfahren. Bull Eidg. Gesundhamt., 1944, Gegen Tuberk., 41–51.—**Bailey, W.** X-raying large groups. Bull. Los Angeles Co. M. Ass., 1942, **72**: 389.—**Covello, M.**, jr. A propósito da roentgenfotografía. Rev. paul. tisiol., 1939, **5**: 339–44.—**Dearing, W. P.** Chest fluorography with portable X-ray equipment on 35 mm. film. Pub. Health Rep., Wash., 1940, **55**: 2369–77, 4 pl.—**Dudley, S. F.** Miniature radiography for mass examination. Brit. M. J., 1941, **1**: 531.—**Eddy, C. E.** The technical aspects of miniature radiography. Rep. Nat. Health M. Res. Counc. Australia, 1940, 8. sess., 33–6.—**Ellman, P.** Mass radioscopy and radiography. Lancet, Lond., 1942, **1**: 366.—**Gallone, P., & Fossati, F.** L'applicazione degli obiettivi catadiottrici alla schermografia. Arch. radiol., Nap., 1948, **22**: 344–51. ——— Osservazioni circa il rendimento del contrasto di radiazione con particolare riguardo alla schermografia. Radiol. med., Tor., 1948, **34**: 278–80.—**Gough, H. B.** Photofluorography. Med. J. Australia, 1941, **1**: 267–71.—**Hall, C.** Mass X-ray examination using miniature films. Illinois M. J., 1948, **94**: 369–72.—**Halter, K.** Beitrag zur Technik der Reihen-Röntgen-Durchleuchtung. Schweiz. med. Wschr., 1943, **73**: 1137.—**Heaf, F.** Mass radiography in practice. Lancet, Lond., 1940, **2**: 611.—**Heisig, F.** Röntgenreihenphotographie. Beitr. Klin. Tuberk., 1939, **93**: 353–63.—**Hennessey, J. H.** Partial chest surveys utilizing the photoroentgenographic unit and the phototimer. X-ray Technician, 1948–49, **20**: 275–80.—**Hirsch, I. S.** Fluorography; its technic and application. N. York State J. M., 1940, **40**: 1579–85.—**Hopf, M.** Die Reihendurchleuchtung und das Schirmbildverfahren. Schweiz. med. Wschr., 1944, **74**: 1356–60; 1945, **75**: 1062.—**Huzimoto, T., & Yamamura, M.** Film eisya-siki kokyū kyokusen byosye-hō ni tuite. Ika kikaigaku zassi, 1939–40, **17**: 332.—**Jaubert de Beaujeu, A.** La radiophotographie à très haut voltage. J. radiol. électr., 1946, **27**: 352.—**Kerley, P.** Technique in mass miniature radiography. Brit. J. Radiol., 1942, **15**: 346.—**Kupriianov, V. F., & Schechtman, J. L.** [Fluorography as a method of mass x-ray examination] Probl. tuberk., Moskva, 1941, No. 11, 42–9, 2 pl.—**Kurose, Y.** Kyōbu hutari dōzi X-sen-satuei-hō ni tuite [... of two persons simultaneously] J. Radiol., Kanazawa, 1947, **5**: 30–3.—**Lemberg, A. A., & Ilievich, A. I.** [Methods of microroentgenography] Vrach. delo, 1941, **23**: 425–32.—**Lenarduzzi.** Primi risultati con lo schermografo a distanza focale variabile. Rabiol. med., Tor., 1948, **34**: 711.—**Lewis, I.** Miniature photofluorography of the clothed subject. Pub. Health Rep., Wash., 1946, **61**: 1002–4.—**Maclean, A.** Some experiences in mass radiography. Edinburgh M. J., 1946, **53**: 52–4.—**McNett, L. W.** Technique in mass x-rays of the chest. X-ray Technician, 1947–48, **19**: 28; 55.—**Maisani, A.** L'istruzione tecnico-sanitaria con particolare riferimento alla tecnica schermografica. Boll. schermogr., Roma, 1949, **2**: 81–5.—**Mart, J. A., Powers, K. V., & Barth, E. E.** Routine photofluorography of the chest. Illinois M. J., 1949, **95**: 236–9.—**Mattson, S.** Technique for spot radiography. X-ray Technician, 1942–43, **14**: 233 &c.—**Morgan, R. H.** Problemas físicos de la fluoroscopia y de la radiografía seriada (transl.) América clín., 1949 **15**: 511–8.—**Muir, J. S.** Some experiences in running a mass radiography unit. Radiography, Lond., 1946, **12**: 21–3.—**Nicolaev, A.** Aperfeiçoamento técnico na execução da abreugrafia. Clín. tisiol., Rio, 1949, **4**: 115–8.—**Parkin, J. T.** Técnica y resultados de las radiografías torácicas en masa. Hospital (América clín.) N. Y., 1948, **4**: 28–30.—**Paula, A. de, & Benedetti, F.** Técnica da roentgenfotografia. Med. cir. pharm., Rio, 1940, 301–36.—**Pendergrass, E. P.** Practical X-ray techniques for mass physical examinations. Proc. Indust. Hyg. Found. America, 1942, 7. meet., 34.—**Pollitzer, G., & Bett, C.** La radiofotografia de Abreu; dispositivo simplificado y técnica usada en la Cátedra de patologia y clínica de la tuberculosis. An. Soc. med. cir. Rio, 1940, **53**: No. 2, 5–13.—**Potter, H. E.** Technical factors underlying miniature roentgenography of the chest. Am. J. Roentg., 1942, **47**: 71–5. Also Span. transl., Rev. radiol. fisioter., Chic., 1942, **9**: 171–5.—**Pruzhansky, S. V., Zhegalkin, N. A., & Schechtman, J. L.** K state prof. J. L. Schechtmana, K metodike fluorograficheskikh obsledovanii. Probl. tuberk., Moskva, 1948, No. 5, 51–5.—**Sayago, G., & Gargiulo, A.** La roentgenfotografía según el método de Abreu. Prensa méd. argent., 1939, **26**: pt 2, 1971–8.—**Schinz, H. R., & Kollbrunner, F.** Die Schirmbildphotographie. Schweiz. med. Wschr., 1945, **75**: 897–908.—**Sievert, R. M.** Two methods of roentgen microphotography; preliminary report. Acta radiol., Stockh., 1936, **17**: 299–309.—**Simonetti, C.** La fotografia dello schermo fluorescente. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1942, **1**: No. 4, 111–5.—**Sparks, J. V.** Some problems of miniature mass radiography. Brompton Hosp. Rep., Lond., 1942, **11**: 1–12.—**Sutton, P. G.** The technical problems of mass radiography of the chest. Tubercle, Lond., 1939–40, **21**: 192–6.—**Torelli, G.** La roentgenfotografia. Ann. Ist. Carlo Forlanini, 1939, **3**: 171–85.—**Torp, I. M.** Methods for mass survey of the chest. X-ray Technician, 1940–41, **12**: 92–5.—**Turner, J. W.** Simple method of X-ray serialography. Bull. U. S. Army M. Dep., 1945, No. 89, 115–7.—**Varden, L. E.** Fluorography. J. Laborat. Clin. M., 1941–42, **27**: 399–415.—**Wegelius, C.** Kritiska synpunkter på skärmbildsfotograferingen i dess nuvarande utförande. Nord. med., 1946, **32**: 2504–8.—**Zeyss, W.** Die Schirmbildphotographie. Deut. Aerztebl., 1944, **74**: 193–5.

—— military.

Abelló Pascual, J., & Gutiérrez del Olmo, J. Estudios sobre fotorradioscopía. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 9–15.—**Alpern, A. N., & Benjamin, J. E.** The induction film as an aid in appraising subsequent pulmonary lesions. Radiology, 1944, **43**: 548–62.—**Aston, M. J., & Loeser, W. D.** Mass photofluorography in a naval shipyard. U. S. Nav. M. Bull., 1948, **48**: 809–18.—**Behrens, C. F., & Britten, S. A.** Five years of photofluorography in the Navy. Ibid., 1945, **45**: 1203–7.—**Bew, D. F., Tilney, R. W.**, jr, & **Maher, W. E. J.** A review of 283,225 chest photofluorograms at the United States Naval Personnel Separation Center. Lido Beach, Long Island, N. Y. Ibid., 1947, **47**: 749–53.—**Borges de Faria.** Análise de mil roentgenfotografias. Rev. med. mil., Rio, 1946, **35**: 83–100.—**Bowie, E. R., & Jacobson, H. G.** Routine chest, roentgenography on Negro inductees at Fort Benning, Georgia. Am. J. Roentg., 1944, **52**: 500–4.—**Boyd, R. W.** Results of a random chest x-ray survey of healthy troops in Canada. Canad. M. Ass. J., 1946, **54**: 16–9.—**Brian, E. G., & Ricen, E.** Recruit examination; the need for chest x-rays. U. S. Nav. M. Bull., 1940, **38**: 299–301.—**Britten, S. A.** Photofluorographic examinations of the chest of all Navy and Marine Corps personnel, 1944–1945. Ibid., 1946, **46**: 1479–81. ——— & **Charter, W. V.** Routine photofluorographic examinations of Naval and Marine Corps personnel; end results. Ibid., 1947, **47**: 733–8.—**Brooks, W. D. W.** Fluorography. S. Mary Hosp. Gaz., Lond., 1944, **50**: 2–5.—**Cahal, M. F.** Selective Service examinations. Radiology, 1941, **36**: 238.—**Catastro** radiográfico en el ejército, año 1936. Rev. san. mil., B. Air., 1937, **36**: 3–38.—**Chest** x-ray planned for draftees. Pub. Health News, Trenton, 1941, **25**: 218.—**Clemente, M.** La roentgen-fotografia: tecnica e possibilità di pratica applicazione nella Marina militare. Ann. med. nav., Roma, 1939, **45**: 417–31. Also Span. transl., Rev. san. nav., Valparaíso, 1940, **10**: 33–42. ——— L'esame radiologico sistematico del torace nelle visite di arruolamento. Ann. med. nav., Roma, 1940, **46**: 409–33. ——— Utilità del metodo roentgen-fotografico come controllo degli organi toracici dei militari in servizio. Ibid., 1941, **47**: 116–31. ——— & **Ghersi, E.** Primi risultati del controllo röntgen-fotografico del torace applicato all'arruolamento dell'elemento volontario della R. Marina. Ibid., 1940, **46**: 213–23.—**Cooper, E. L.** Pulmonary tuberculosis in recruits; experiences in a survey by the microradiographic method. Brit. M. J., 1940, **2**: 245–8.—**Dudley, S. F.** Pulmonary tuberculosis in the Royal Navy and the use of mass miniature radiography in its control. Proc. R. Soc. M., Lond., 1940–41, **34**: 401–6.—**Duncan, R. E.** Thirty-five mm. fluorography as used by the U. S. Navy. Dis. Chest, 1941, **7**: 333–6. ——— Photofluorographic chest survey of Naval personnel. Ibid., 1943, **9**: 269–73.—**Edwards, H. R.** X-raying military men. J. Kansas M. Soc., 1941, **42**: 436–8.—**Ellman, P.** Mass radiography in the early detection of intrathoracic disease, with special reference to pulmonary tuberculosis in recruits. Proc. R. Soc. M., Lond., 1940–41, **34**: 595–602.—**Evans, A. G.** Results of mass radiography of R. A. F. ex-prisoners-of-war from Germany. Brit. M. J., 1946, **1**: 914.—**Fine, A., & Steinhausen, T. B.** A survey of chest lesions in 32,000 prospective aviation cadets. Army M. Bull., 1943, No. 68, 113–7.—

Fitzpatrick, W. G. C. Mass miniature photoradiography in the Royal Navy. J. R. Nav. M. Serv., 1941, **27**: 3–20.—**Fournié & Frezouls.** La radiophotographie; premiers essais d'application au dépistage de la tuberculose pulmonaire dans l'armée. Rev. tuberc., Par., 1939, 5. ser., **5**: 795–802. ——— & **Guérinet.** La radiophotographie; essais d'application au dépistage de la tuberculose pulmonaire dans la collectivité militaire. Bull. Soc. méd. mil. fr., 1939, **33**: 132–7. Also Deut. Militärarzt. 1940, **5**: 506.—**Frank, A.** Bericht über das Ergebnis der Röntgenreihenuntersuchung an 5,681 Männern des Sicherheitsdienstes. Fortsch. Röntgenstrahl., 1943, **67**: 194.—**Frey, F.** Kurzer Ueberblick über Entwicklung von Schirmbildreihenuntersuchungen und Ergebnisse bezüglich Tuberkulose bei Soldaten während der letzten Kriegsjahre. Beitr. Klin. Tuberk., 1947. **101**: 33–46.—**Fuchs, A. W.** Photoroentgen technique; employing optimum Kv. P. principles. Bull. U. S. Army M. Dep., 1944, No. 73, 90–5. ——— Military photoroentgen technique employing optimum kilovolt (peak) principles. Am. J. Roentg., 1945, **53**: 587–96.—**Galbraith, D.** Pulmonary tuberculosis in recruits; further experience in a survey by the method of miniature radiography. Brit. M. J., 1941, **1**: 699–701.—**Gebert.** Die Bedeutung der Reihenröntgenuntersuchung in der Wehrmacht. Veröff. Heer. San., 1938. H. 105, 443–51.—**Giovinazzo, V.** L'utilità della schermografia nella diagnosi precoce della tubercolosi polmonare con particolare riferimento agli arruolamenti dei militari di P. S. Boll. schermogr., Roma, 1948, **1**: 151-6.—**Grass.** The organization of investigation of photofluoroscopy in the armed forces. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Project 1, pt 6, 289–93.—**Grzybowski, S.** Masowa radiografia. Lek. wojsk., Edinb., 1946, **37**: 162–4.—**Hawickhorst, H.** Die Anwendung der Leuchtschirmphotographie bei den Reihenröntgenuntersuchungen in der Wehrmacht. Deut. Militärarzt, 1939, **4**: 255–61.—**Holfelder, H.** Der erste Grosseinsatz des Röntgenreihenbildners im SS-Lager zu Nürnberg. Münch. med. Wschr., 1938, **85**: 1465–7. ——— Der Einsatz des Röntgensturmbanns-SS-Hauptamt zur Erstellung eines Volksröntgenkatasters und die Einsatzmöglichkeit der gleichen Truppe als Feldröntgentruppe. Deut. Militärarzt, 1939, **4**: 493–5. ——— Einsatz und Tätigkeit der Röntgenreihenbildnertruppe der SS in Mecklenburg. Zschr. Tuberk., 1939, **83**: 257–64. ——— & **Berner, F.** Stand und Aussichten der Kleinbildfotografie vom Röntgenschirm unter Berücksichtigung der Erfahrungen mit dem Röntgen-Reihenbildner im SS-Lager Nürnberg. München. med. Wschr., 1938, **85**: 1818–23.—**Janker, R.** Die Leuchtschirm-Photographie zur Einzelaufnahme und zur Reihenuntersuchung in der Wehrmacht. Deut. Militärarzt, 1941, **6**: 238–43.—**Jones, W. A.** Routine chest x-ray examination of recruits: a survey of results. Canad. M. Ass. J., 1940, **43**: 213–7.—**Kinzer, R. E.** The chest x-ray examination; an analysis of disqualifying conditions found among 105,141 selectees. J. Am. M. Ass., 1945, **128**: 499–502.—**Lamma, V.** L'importanza dell'indagine radiografica di massa nella medicina sociale e l'apporto della schermografia secondo i risultati di un'indagine clinico schermografica di una collettività militare presunta sana. Q. radiol., Belluno, 1942, **7**: 230–9.—**Loré, J. M.,** jr. Air-borne photofluorographic unit. U. S. Nav. M. Bull., 1948, **48**: 490–5.—**Marciak, M.** O miniaturowych zdjęciach rentgenowskich. Lek. wojsk., 1943, **35**: 64–6.—**Mass** miniature radiography in the detection of pulmonary tuberculosis among recruits to H. M. forces. Bull. War M., Lond., 1942–43, **3**: 282.—**Mercer, N.** Choosing a method for mass x-raying of service men. Mil. Surgeon, 1941, **89**: 772–6. Also Virginia M. Month., 1941, **68**: 589–91.—**Micro-radiographie** dans la Royal Air Force. Bull. Commun. Dis. UNRRA, 1946, **5**: 838–44.—**McGuffin, W. H.** Observations gleaned from clinical and radiological chest examinations of recruits. Radiology, 1941, **36**: 413–20.—**O'Loughlin, B. J.** A study of 24,615 separation chest roentgenograms. Ibid., 1947, **48**: 389–91.—**Picciochi, J. M., & Bolin, J. B.** Report of 250,000 chest photofluorographs in Naval recruits. J. Omaha Clin. Soc., 1944, **5**: 20–2.—**Price, S. H. R.** Mass X-ray examination of the chest. J. R. Nav. M. Serv., 1947, **33**: 99–102, 2 pl.—**Quinn.** Technique adopted for mass radiography examinations in the Royal Air Force. Radiography, Lond., 1944, **10**: 1–5.—**Raess, A., & Teschendorf, W.** Röntgenreihenuntersuchungen mittels Schirmbildaufnahme. Deut. Militärarzt, 1939, **4**: 249–53.—**Rahm, N.** Resultatet av klinisk undersökning av skärmbildspositiva militärer. Sven. läk. tidn., 1942, **39**: 1630–2.—**Roentgenographic** examinations of the chests of Navy and Marine Corps personnel [Form letter] Bumed News Lett., Wash., 1944, **4**: No. 3, 26–9; 1945, **5**: No. 5, 38–43.—**Ronnen, J. R. von.** Ervaringen met de zgn. screen-picture apparaten in het Militair Hospital I te Batavia. Med. mbl., Batavia, 1949, **2**: 321–7.—**Ruzo, G., Oribe, J. A., & Bocalandro, C. A.** Resultados de la aplicación de la roentgenfotografía en la selección del soldado argentino. Rev. san. mil., B. Air., 1943, **42**: 75–80.—**Salsano, P.** La schermografia nell'esercito. Policlinico, 1944, **51**: sez. prat., 10–24.—**Schedtler, O.** Die Röntgenschirmbildphotographie im Dienst der Wehrmacht. Deut. Militärarzt, 1939, **4**: 253.—**Schiller, I. A.** Chest photoroentgenography in Army physical examinations. Am. Rev. Tuberc., 1946, **53**: 103–14.—**Schink, W.** Praktische Erfahrungen über Röntgen-Reihen-Schirmbildaufnahmen beim Feldheer. Deut. Militärarzt, 1942, **7**: 428–36.—**Schneider, L.** Separation center chest survey. Dis. Chest, 1946, **12**: 147–52.—**Schulz, E.** Röntgenreihenuntersuchungen bei der Wehrmacht mit dem Schirmbildverfahren. Deut. Militärarzt, 1939, **4**: 402–9.—**Seydl, G.** Das Röntgenreihenbild in einem Grossbetrieb der Kriegsmarine. Ibid., 1942, **7**: 15–8.—**Shaplro, R.** Pulmonary tuberculosis in Navy recruits; a review of 50,100 photofluorographic chest examinations. Am. Rev. Tuberc., 1944, **49**: 485–9.—**Spühler, O.** Ueber Röntgen-Reihendurchleuchtungen in der Armee. Schweiz. med. Wschr., 1940, **70**: 653.—**Standardized** (A) photoroentgen technique. Bull. U. S. Army M. Dep., 1943, No. 69, 22.—**Tenner, K. T., & Neumer, W.** Reihen-Röntgendurchleuchtung innerhalb einer Division des Feldheeres. Deut. Militärarzt, 1943, **8**: 474–6.—**Trail, R. R., Trenchard, H. J.** [et al.] Mass miniature radiography in the Royal Air Force, a report on 250,027 consecutive examinations of R. A. F. personnel. Brit. J. Tuberc., 1944, **38**: 116–40.—**Vándor, F.** Ujoncok röntgensorozat vizsgálata. Orvostud. közl., 1944, **5**: 363.—**Verstandig, C. C.** Pulmonary pathology in rejectees; a survey of 100.000 photoroentgenograms performed at the induction center in Connecticut. Connecticut M. J., 1946, **10**: 103–5. ——— & **Ainsworth, C. W.** Photoroentgenographic technique and dark room procedure used at the Army Recruiting and Induction Station, New Haven, Connecticut. Am. J. Roentg., 1944, **52**: 547–50.—**Wayburn, E.** Mass miniature radiography; a survey in the United States Army Air Forces. Am. Rev. Tuberc., 1946, **54**: 527–40.—**White, B.** Mass radiography of the thorax, with special reference to its application to recruits for the army. Med. J. Australia, 1941, **2**: 23–7.—**Wyman, S. M.** Report of a roentgenologic chest survey. Med. Bull. Medit. Theater U. S., 1945, **3**: 15.—**X-ray** examinations in the Selective Service. Mil. Surgeon, 1941, **89**: 819.—**X-raying** military men. Pennsylvania M. J., 1941–42, **45**: 70.—**Zarkevich, N. F.** Fotosnimki svetiashchegosia rentgenovskogo ekrana. Voen. san. delo, 1940, No. 8, 15–9.

—— Organization of service.

Almeida Pintos, R. Algunos problemas que plantea el examen roentgenfotográfico de las colectividades. Día méd. urug., 1947–48, **15**: 911–20.—**Behr.** Die Organisation der NSV. zur Erfassung der Menschen für die Röntgenreihenuntersuchungen. Zschr. Tuberk., 1939, **83**: 265–8.—**Bene, J.** A népjóléti minisztérium röntgenernyóképfelvevö készüléke megkezdte müködését. Népegészségügy, 1948, **29**: 157.—**Benham, L. R.** Organisation of a mass miniature radiography survey. Pub. Health, Lond., 1948–49, **62**: 79.—**Birkhäuser, H.** Ueber die Organisation des Schirmbildwesens. Schweiz. med. Wschr., 1949, **79**: 465–7, pl.—**Bloom, S.** Social service and the mass chest x-ray survey. Bull. Am. Ass. M. Social Work., 1948, **21**: 22.—**Brehm, P. A.** Administrative aspects of mass radiography. Indust. M., 1946, **15**: 391–3.—**Brunner, E.** L'organisation de la radiophotographie à Zürich. Méd. & hyg., Genève, 1946, **4**: No. 88, 7.—**Büchel, H.** L'organisation du service des radiophotographies dans le canton de Zürich. Ibid., 7.—**Conti, C.** Durchführung der Röntgenreihenuntersuchungen. Gesundheitsführung, Berl., 1943, No. 1, 25.—**Fillinger, F.** Das Röntgenschirmbildverfahren im vertrauensärztlichen Dienst. Vertrauensarzt, 1941, **9**: 73–7.—**Ginés, A. R.** La libreta de salud y el método radiofotográfico de Abreu en Asunción del Paraguay. Bol. Of. san. panamer., 1943, **22**: 314.—**Gioia, F. G.** Contributo allo studio del problema schermografico. Lotta tuberc., 1942, **13**: 622–30.—**Goldsbrough, J.** Mass X-ray and health propaganda. Tubercle, Lond., 1948, **29**: 82.—**Hoffstaedt, E. G. W.** Mass radiography and after; a plea for a mobile chest service. Brit. J. Tuberc., 1949, **43**: 36–40, 2 pl.—**Kollbrunner, F.** Das Schirmbild in USA. Praxis, Bern, 1946, **35**: 741–3.—**Maisani, A.** Organizzazione e sviluppo delle indagini schermografiche di massa. Notiz. ammin. san. (1946) 1947, **7**: 42–54. ——— Creazione e sviluppo del servizio schermografico in Italia; contributo statistico. Boll. schermogr., Roma, 1948, **1**: 6–18. ——— Contributo dell'Alto Commissariato per l'igiene e la sanità pubblica alle indagini schermografiche di massa; organizzazione e sviluppo del servizio schermografico in Italia; nuovo orientamento della lotta antitubercolare in Italia. Ibid., 105–11.—**Nationalföreningens** skärmbildsbyrå i Stockholm. Kvartalsskr. Sven. nat. fören. tuberk., 1943, **38**: 117–9.—**Note** relative à l'utilisation de la technique dite radiophotographie. Bull. Hôp. Sadiki, Tunis, 1943–44, **2**: 71–3.—**Nylander, E.** Organisationen av skärmbildsundersökning på landsbygden. Kvartalsskr. Sven. nat. fören. tuberk., 1945, **40**: 23–30.—**Pfister, H. O.** Les réactions du public en face des expériences de radiophotographie. Méd. & hyg., Genève, 1946, **4**: No. 88, 7.—**Proton.** La pratique de la radio-photographie dans les pays Anglo-Saxons. Bull. Soc. méd. mil. fr., 1945, **39**: 165–73.—**Reggiani, G., & Vespignani, A.** Per un piano di schermografia in una provincia. Nuntius radiol., Siena, 1944–46, **12**: 123–34.—**Reinberg, S. A.** Neskolko soobrazhenii o fluorografii v nashikh usloviakh. Probl. tuberk., Moskva, 1948, No. 5, 42–8.—**Robertson, J. S.** Civilian mass radiography. Brit. M. J., 1945, **1**: 711.—**Sauter, A.** Les problèmes que l'Etat doit résoudre à propos des examens radiophotographiques de la population. Méd. & hyg., Genève, 1946, **4**: No. 88, 7.—**Thorelli, H.** Skärmbildsfotograferingens organisation vid L. M. Ericsson. Kvartalsskr. Sven. nat. fören. tuberk., 1943, **38**: 112–6.—**Wegelius, C.** A centralised organisation for mass radiography. Newcastle M. J., 1949–50, **24**: 19–21.

—— Organization of service: Unit and staff.

Bradbury, F. C. S. Minimal requirements for mass radiography. Lancet, Lond., 1948, **2**: 293.—**Cave, P.** Mass miniature radiography units. Brit. M. J., 1943, **1**: 172.—

Ellman, P. Staffing mass miniature radiography units. Ibid., 146.—Essential requirements in respect of technical, clinical and clerical aspects of miniature radiography. Rep. Nat. Health M. Res. Counc. Australia, 1944, 18. sess., 97–9.—**Ferrier, H. T.** Staffing of miniature mass radiography units. Brit. M. J., 1943, 1: 616.—**Greene, A. B.** The role of the x-ray technician in mass-survey. X-ray Technician, 1942–43, 14: 108 &c.—**Henderson, N. P.** Staffing mass miniature radiography units. Brit. M. J., 1943, 1: 81.—**Muir, J. S.** Mobile or static mass radiography? Radiography, Lond., 1947, 13: 150.—**Sackett, G. L.** The role of the radiologist in mass chest X-ray survey. Radiology, 1949, 53: 274.—**Sparks, J. V.** Staffing of miniature mass radiography units. Brit. M. J., 1943, 1: 398.—**Zimmer, E. A.** Erste praktische Erfahrungen mit einem aufnahmebereiten Radiophotographiewagen in der Schweiz; zugleich Stellungnahme zur Arbeit Hopf: Reihendurcheuchtung. Schweiz. med. Wschr., 1945, 75: 501–4.

—— Physician's aspect.

Beust, A. v. Schirmbildverfahren und ärztliches Geheimnis. Praxis, Bern, 1947, 36: 43.—**Hilleboe, H. E.** Community. wide chest x-ray surveys and the general practitioner. J. Lancet, 1947, 67: 225–8. Also Minnesota M., 1947, 30: 625–34. Also Pub. Health News, Trenton, 1948, 29: 77–83.—**Roloff, W.** Röntgenmusterung und praktischer Arzt. Deut. Tuberk. Bl., 1939, 13: 257–60.—**Rossier, P. H., & Maier, C.** Radiophotographie et secret médical. Méd. & hyg., Genève, 1946, 4: No. 88, 7.—**Van Zwalenburg, B. R.** Mass chest X-rays and the practicing physician. J. Michigan M. Soc., 1949, 48: 1365.

—— Radiological aspect.

Abreu, M. de. Collective fluorography. Radiology, 1939-33: 363–71.—**Bohatyrtschuk, F.** Die Fragen der Mikroröntgenographie. Fortsch. Röntgenstrahl., 1942, 65: 253–61.—**Bouwers, A.** The indirect radiograph. Radiology, 1939, 33: 357–62.—**Braeuning, H.** Lungendiagnostik; die Röntgen-Reihenuntersuchung. Röntgenpraxis, 1939, 11: 391–8.—**Branscheid, F., Steps, H., & Wandersleb, E.** Einzelaufnahmen von Röntgenleuchtschirmbildern und deren Anwendung bei Reihenuntersuchungen. Fortsch. Röntgenstrahl., 1938, 58: 174–80.—**Cranch, A. L.** The indirect radiograph, mass radiography; some technical data. Radiography, Lond., 1943, 9: 1–5.—**De Witte.** Quelques réflexions au sujet de la radiophotographie. J. belge radiol., 1948, 31: 47–9.—**Grechishkin, S. V.** [Microroentgenography] Vest. rentg., 1938, 20: 397–408.—**Hiramatu, H.** X-sen kansetu satuei-hō gaisetu [General theory ...] Ika kikaigaku zassi, 1942–43, 20: 117–26.—**Hirsch, I. S.** Fluorography; the photography of the fluorescent image. Am. J. Roentg., 1940, 43: 45–52.—**Jäderholm, K. B.** Schirmbildphotographie. Acta radiol., Stockh., 1942, 23: 44–50.—**Janker.** Die Leuchtschirmphotographie. Fortsch. Röntgenstrahl., 1938, 58: 588–93.—**Lowis, V. N.** The factors involved in x-ray screen photography. Radiography, Lond., 1943, 9: 17–9.—**Lust, F. J.** The fluoroentgenograph. Am. J. Roentg., 1940, 43: 141.—**Mason, M. W.** Photofluorography for chest surveys. Radiology, 1944, 43: 499–503.—**Masy, S.** La radiophotographie. J. belge radiol., 1948, 31: 22–31.—**Pendergrass, E. P.** Practical X-ray techniques for mass physical examinations. Indust. M., 1943, 12: 17 (Abstr.)—**Potter, H. E., Douglas, B. H., & Birkelo, C. C.** The miniature X-ray chest film. Radiology, 1940, 34: 283–91.—**Previte, S.** Some aspects of mass radiography. Radiography, Lond., 1945, 11: 9.—**Shanks, S. C.** Mass radiography of the chest, et alia. Brit. J. Radiol., 1941, 14: 45–53.—**Stanford, B.** A research into the physical factors concerned in indirect radiography; the optimum combination of film and fluorescing screen for use in indirect radiography. Ibid., 128–55.—**Stassens.** La radiophotographie. J. belge radiol., 1948, 31: 32–9.—**Taylor, R. G.** Radiographs made on the fluoroscope. Radiology, 1936, 27: 615.—**Van der Plaats, G. J.** Quelques observations fondamentales au sujet de la radiophotographie. J. belge radiol., 1948, 31: 40–6.

—— stereoscopic.

See also **Radiography,** stereoscopic.

Ayres de Sousa. Bases técnicas da regmografia. Gaz. méd. port., 1949, 2: 543–52.—**Eichler, P.** Das Raumschirmbild. Deut. med. Wschr., 1940, 66: 882–4.—**Levitin, J.** Ten thousand chest examinations with the stereoscopic photoroentgen unit. Am. J. Roentg., 1943, 49: 469–75. Also Span. transl., Rev. radiol. fisioter., Chic., 1945, 12: 1 &c.—**Lewis, I., & Morgan, R. H.** The value of stereoscopy in mass radiography of the chest. Radiology, 1946, 46: 171.—**Mannila, T. O.** Stereo screen photography. Acta radiol., Stockh., 1948, 29: 65–70.—**Warren, S. R., jr, Pendergrass, E. P., & Haagensen, D. E.** A comparison of stereoscopic miniature chest films, single roentgenograms on paper, and single roentgenograms on large films. Tr. Nat. Tuberc. Ass., N. Y., 1942, 38: 57–60.

—— stratigraphic.

See also **Radiography,** stratigraphic.

Bibikov, N. V. Otechestvennyi tomofluorograf. Med. promyshl. SSSR, 1949, 40, illust.—**Dimitrov, M.** Schirmbildschichtphotographie. Fortsch. Röntgenstrahl., 1942, 65: 241–8.—**Gorodecky, A. A.** Ispolzovanie fluorografii dlya posloinykh issledovanii (tomofluorografia) Probl. tuberk., Moskva, 1948, No. 5, 49–51.—**Soares, D.** Método tomográfico seriado: tomografía seriada; serioplanigrafía e serioplanigrafía visadamilimétrica. Rev. brasil. med., 1947, 4: 589–99.—**Vallebona, A.** La stratimicroradiografia. Cult. med. mod., Pal., 1940, 19: 8.

—— Use.

See also under names of medical branches as **Surgery; Urology,** etc.

Aiello, G., & Antoniotti, F. Le indagini schermografiche nella patologia del lavoro. Boll. schermogr., Roma, 1948, 1: 144–6.—**Etevens, F. L.** Combatiendo las enfermedades con películas. Medicina, Habana, 1943, 1: No. 4, 3–6.—**Heisig, W.** Diapositive und Kopien von Röntgenbildern durch Kleinbildphotographie. Deut. Militärarzt, 1942, 7: 265.—**Hirsch, I. S.** The utility of fluorography. Radiology, 1941, 36: 1–11.—**Hospitals,** too, are finding a place for photoroentgenography. Surg. Equip., 1941, 8: No. 3, 14.—**Itikawa, T., & Aikawa, T.** Leuchtschirmphotographie in der Urographie. Zschr. Urol., 1940, 34: 182.—**Janker, R.** Die Leuchtschirmphotographie in der Chirurgie. Zbl. Chir., 1941, 68: 2353–66.—**Rebello, C. S.** A roentgenfotografía nos exames funcionais; experiências preliminares. Lisboa med., 1940, 17: 264–72, 2 pl.—**Ronneaux, G.** Les utilisations diverses de la radiophotographie. Bull. Soc. électroradiol. méd. France, 1939, 27: 385–99.—**Sanderson, S. S.** A simplified method of preserving radiographs and allied records on miniature film. Radiology, 1941, 37: 616–21.—**Smith, J.** Radiography in public health work. Nurs. Times, Lond., 1947, 43: 70–2.—**Stumpf, P.** Der Unterricht in der Röntgenologie; Schirmbildaufnahme und Laufbild als Lehrmittel. Fortsch. Röntgenstrahl., 1938, 58: 411–20.—**Sutherland, C. G.** The reproduction of roentgenograms on films of millimetric dimensions and suggested potentials of utility in this procedure. Radiology, 1941, 37: 622–7.—**Viehmann.** Indirekte Röntgenphotographie mit der Kleinbildkamera in der Veterinärmedizin. Deut. tierärztl. Wschr., 1939, 47: 145.

MICRORADIOGRAPHY$_2$.

See also **Radiation gamma** (Absorption; Diffraction) **Radioisotope,** Metabolism; also such headings as **Histology; Metallurgy; Microscopy, electronic;** also under names of objects examined as **Cellulose; Keratin; Wood,** etc.

Barclay, A. E., Daniel, P. [et al.] Radio-micrography. J. Physiol., Lond., 1946–47, 105: Proc., 28.—**Clark, G. L.** Medical, biological and industrial applications of monochromatic radiography and microradiography. Radiology, 1947, 49: 483–95. ——— & **Eyler, R. W.** A camera for stereoscopic microradiography. Rev. Sc. Instrum., 1943, 14: 277.—**Dauvillier, A.** Application de la diffraction des électrons à l'étude des substances organiques; structure de la cellulose. C. rend. Acad. sc., 1930, 191: 708–11.—**Engström, A.** Microradiography. Acta radiol., Stockh., 1949, 31: 503–21.—**Goby, P.** Une application nouvelle des rayons X; la microradiographie. C. rend. Acad. sc., 1913, 156: 686–8, illust.—**Guinier, A.** Méthode d'analyse quantitative de constituants microscopiques par des mesures d'absorption de rayons X. Ibid., 1943, 216: 48–50.—**Massazza, A., & Vallebona, A.** La micrografia diretta con radiazioni di diversa lunghezza d'onda. Accad. med., Genova, 1937, 52: 273–8.—**Mikroradiographie;** eine neue Untersuchungsmethode. Mikrokosmos, Stuttg., 1913–14, 7: 85.—**Saulnier, A., & Trillat, J. J.** Radiographie et microradiographie par électrons secondaires. Rev. sc., Par., 1945, 83: 211–4.—**Sherwood, H. F.** Vacuum exposure holder for microradiography. Rev. Sc. Instrum., 1947, 18: 80–3.—**Trillat, J. J.** La microradiographie. Nature, Par., 1947, 82–6.—**Viviano, M.** Gli ostacoli di ordine fisico nell'impiego delle radiazioni ultraviolette nella micrografia diretta. Radiol. sper., Parma, 1948, 2: 50–7, 3 pl.

—— Historadiography.

Bicek, E. J. Extension of the technique of microradiography to biological materials; critical studies of some controversial theories concerning the structure of cellulose. 7p. 23cm. Urbana, 1941.

Engström, A. *Quantitative micro- and histochemical elementary analysis by roentgen absorption spectrography [Karolinska Inst.] 106p. 25cm. Stockh., 1946.

Forms Suppl. 63, Acta radiol., Stockh.

Sirc, R. *L'historadiographie; nouvelle méthode d'investigation histologique. 73p. 25cm. Montpel., 1938.

Barclay, A. E., & Leatherdale, D. Microradiography applied to botany. Brit. J. Radiol., 1948, 21: 544–51.—**Boyd, G. A., & Williams, A. I.** Stripping film technics for histological autoradiographs. Proc. Soc. Exp. Biol., N. Y., 1948, 69: 225–32.—**Castagné.** Amélioration de la méthode historadiographique

Arch. Soc. sc. méd. biol. Montpellier, 1935–36, 17: 324.—**Clark, G. L., & Bicek, E. J.** Microradiographic examination of biologic materials. In: Med. Physics (Glasser, O.) Chic., 1944, 730–3.—**Fournier, F., & Perrot, M.** Considérations techniques sur l'historadiographie. J. radiol. électr., 1944–45, 26: 12–4.—**Govoni, A.** Tecnica istoradiografica e sue applicazioni. Radiol. sper., Parma, 1948, 2: 249–51.—**Koisi, S.** [Röntgenhistologische Untersuchungen der menschlichen Gewebe] Mitt. Med. Akad. Kioto, 1941, 31: 809–65, 4 pl.—**Lamarque, P.** L'historadiographie. Arch. Soc. sc. méd. biol. Montpellier, 1935–36, 17: 180. ——— La technique de l'historadiographie. J. radiol. électr., 1936, 20: 325–30. ——— Historadiography, a new application of x-rays. Radiology, 1936, 27: 563–8. ——— Possibilités d'extension des méthodes d'analyse fine par l'historadiographie. Bull. Soc. radiol. méd. France, 1937, 25: 51–3. ——— Une nouvelle méthode d'utilisation des rayons X; l'historadiographie. Montpellier méd., 1937, 3. ser., 11: 47–68, 4 pl. ——— Historadiography. Brit. J. Radiol., 1938, 11: 425–35. ——— L'historadiographie. Acta Unio internat. caner., Par., 1939, 4: 205–20. ——— & **Sirc, R.** Quelques reflexions à propos de la technique de l'historadiographie. Bull. Soc. radiol. méd. France, 1936, 24: 597.—**Lamarque, P., & Turchini, J.** Premiers résultats généraux obtenus par la technique de l'historadiographie; degré de perméabilité des constituants tissulaires aux rayons X mous de 2,5 Å. C. rend. Soc. biol., 1936, 122: 294.—**Langeron, M. C. P.** Historadiographie. In his Précis d. micr., 7. éd., Par., 1949, 307–9.—**Lossen, H., & Schocken, K.** Ueber röntgenologische Feinstrukturuntersuchungen biologischer Gewebe. Frankf. Zschr. Path., 1935–36, 49: 262–8.—**Mallet, L.** Les acquisitions nouvelles en historadiographie. Presse méd., 1943, 51: 408 (Abstr.) Also J. radiol. électr., 1944–45, 26: 14–6.—**Marinelli, L., Ferlazzo, G.** [et al.] Historadiography; a study of chemical elements in histologic sections by means of X-ray absorption. Am. J. Path., 1949, 25: 811.—**Mollard, H.** La radiographie des coupes et la radiographie en coupes. J. méd. chir., Par., 1936, 107: 689–93.—**Turchini, J.** De quelques applications de l'historadiographie interessant plus spécialement les sciences médicales. Montpellier méd., 1937, 3. ser., 11: 69–73, 4 pl.

—— Radioautography.

See also **Radioisotope,** Metabolism.

Boyd, G. A., & Williams, A. I. Stripping film techniques for histological autoradiographs. 9p. 26½cm. Oak Ridge, 1949.

Forms AECD 2066, Docum. U. S. Atom. Energy Com.

Bélanger, L. F., & Leblond, C. P. A method for locating radioactive elements in tissues by covering histological sections with a photographic emulsion. Endocrinology, 1946, 39: 8–13, incl. pl.—**Endicott, K. M., & Yagoda, H.** Microscopic historadiographic technic for locating and quantitating radioactive elements in tissues. Proc. Soc. Exp. Biol., N. Y., 1947, 64: 170–2.—**Evans, T. C.** Radioautographs in which the tissue is mounted directly on the photographic plate. Ibid., 313–5.—**Gross, J., & Leblond, C. P.** Histological localization of radioactive elements; a review. McGill M. J., 1946, 15: 399–438, incl. pl. Also Canad. M. Ass. J., 1947, 57: 102–22.—**Leblond, C. P.** Histological localization of radioactive compounds in tissue as illustrated with the help of radioiodine. Recent Progr. Hormone Res., 1948, 3: 159–69, illust.—**Mellgren, J.** Mikroskopisk lokalisation av radioaktiva isotoper. Nord. med., 1949, 42: 1919–23.—**Radio-autographs** of single egg cells. Yearb. Carnegie Inst. Washington, 1946–47, No. 46, 75.

MICRORADIOMETRY.

See also **Iontometry; Meson; Microthermometry; Particle,** Measurement; **Radioisotope; Radiometer,** etc.

Ehrenberg, R. Die radiometrische Mikroanalyse. p.1703–52. 4° Berl., 1932.

In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Abt. 5, Teil 2, pt 2.

Tobias, C. A., & Dunn, R. W. Analysis of microcomposition of biological tissue by means of induced radioactivity. 9p. 27cm. Oak Ridge, 1948.

Forms AECD 2099-B, Docum. U. S. Atom. Energy Com.

Ehrenberg, R. Radiometrische Mikroanalyse. Biochem. Zschr., 1928, 197: 467–75.—**Martin, M., & Daudel, R.** Sur la détermination des formules des corps par radiomicrodosage. C. rend. Acad. sc., 1945, 220: 659–61.—**Ottesen, J.** The measurement of minute samples with the Geiger-Müller counter. Acta physiol. scand., 1945, 10: 214–7.—**Paić, M.** Microradioanalyse; application à la diffusion des métaux. C. rend. Acad. sc., 1945, 220: 559–61.—**Roth, G. E.** Radon microdetermination by the Curtiss-Davis α-particle counting method. N. Zealand J. Sc., 1945–46, Sect. B, 27: 147–53.—**Schaefer, H.** Nachweis und Messung kleinster Alpha-Aktivitäten in biologischen Substanzen durch Bahnspurauszählung in der Photoemulsion. Strahlentherapie, 1947–48, 77: 613–28.

—— Apparatus.

See also **Radiometer.**

Berthelot, A. Un dispositif pour l'étude au compteur de Geiger des faibles radioactivités. C. rend. Acad. sc., 1941, 212: 1087–90.—**Bourne, G. H.** Use of Geiger counter for quantitative estimation of radioactive isotopes in histological sections. Nature, Lond., 1949, 163: 923.—**Elliott, G. A., & Lee, R. H.** The construction of Geiger-Müller tubes of high sensitivity to β-radiations. Rev. Sc. Instrum., 1947, 18: 450.—**Grant, K.** Sir Isaac Newton and the sensitive radiometer. Science, 1945, 102: 311.—**Herforth, L.** Messungen sehr geringer Ionisationen mit der Strömungs-Ionisationskammer nach G. Hoffmann. Ann. Phys., Lpz., 1947, 6. F., 1: 251–60.—**Kelsey, F. E.** An internal Geiger counter for the assay of low specific activity samples of carbon 14 and other weak beta emitters in biological samples. Science, 1949, 109: 566.—**Le Roux, P.** Sur le microradiomètre; construction de modèles nouveaux. C. rend. Acad. sc., 1941, 212: 232–4.—**Liechti, A.** Der Greinachersche Funkenzähler zum Nachweis kleinster Röntgen- und Radiumstrahlenmengen. Strahlentherapie, 1938, 62: 343–7.—**Maurice, D. M.** Pipette-type Geiger counter for small quantities of biological fluids. J. Physiol., Lond., 1948, 107: Proc., 26.—**Möllerström, J., Lindberg, O., & Holmgren, H.** Apparatus for measuring radioactivity in histological preparations. Acta anat., Basel, 1949, 7: 244–7.—**Stahel, E.** Eine Mikro-Ionisationskammer für Röntgen- und Radiumstrahlen. Strahlentherapie, 1928–29, 31: 582–95.—**Strong, J.** A new galvanometer for radiometric measurements at low frequencies. J. Optic. Soc. America, 1946, 36: 716.—**Zerahn, K.** An apparatus for automatic measurement with improved accuracy of weak radio-activities by the Geiger-Müller counter. Acta physiol. scand., 1945, 9: 346–50.

MICRORADIOPHOTOGRAPHY.

See **Microradiography$_1$.**

MICRORCHIS.

See **Paramphistomoidea.**

MICROREACTION.

See **Microchemistry; Microserology;** also under names of chemical substances and diseases.

MICROREFRACTOMETER.

See also **Blood,** Refractometry; **Refractometer.**

Plate, W. Mikroskop-Refraktometer für Flüssigkeiten und seine Anwendung zur Bestimmung von rohen und geschliffenen Steinen. Zschr. wiss. Mikr., 1942, 58: 228–39.

MICRORELIEF.

See also **Histology,** Methods; **Tissue.**

Wolf, J. Plastická histologie kosti. Sborn. lék., 1945–46, 47: 78–119. ——— Il metodo del microrilievo e l'istologia plastica. Minerva med., Tor., 1948, 39: pt 2, 19–25.

MICRORESPIROMETER.

See also **Respirometer;** also **Basal metabolism,** Determination; **Biochemistry,** Methods; **Blood,** Gases; **Cancerology,** Methods; **Metabolology,** Methods; **Tissue culture,** etc.

Lévy, M. *Etude critique de la méthode manométrique de Warburg appliquée à la biochimie animale. 134p. 25cm. Lyon, 1944.

Adam, N. K. A modification of the Barcroft and Winterstein microrespirometers. Biochem. J., Lond., 1920, 14: 679–85.—**Barth, L. G., & Kirk, P. L.** A simplified differential microrespirometer. J. Gen. Physiol., 1941–42, 25: 663–8.—**Boell, E. J.** Bottle imp ultramicrorespirometer; familiar toy becomes biologic tool. Yale Sc. Mag., 1942–43, 17: No. 4, 6–9 —**Brown, J. W.** Warburg respirometers in plant physiology. Chron. bot., Waltham, 1940–41, 6: 126.—**Crisp, D. J., & Thorpe, W. H.** A metal micro-respirometer of the Barcroft type, for small insects and other animals. J. Exp. Biol., Lond., 1947, 24: 304–9.—**Cunningham, B., & Kirk, P. L.** The oxygen consumption of single cells of Paramecium caudatum as measured by a capillary respirometer. J. Cellul. Physiol., 1942, 20, 119–34.—**De Ley, J.** H_2-detection in the Warburg constant volume respirometer. Experientia, Basel, 1949, 5: 299.—**Ellenby, C.** A micro-respirometer for single prepupae of Drosophila melanogaster Meigen. J. Exp. Biol., Lond., 1945–46, 22: 85–7.—**Fardon, J. C., Brotzge, G. C., & Loeffler, M. K.** A differential micro-respirometer. Stud. Inst. Divi Thomae, Cincin., 1941, 3: 129–37, pl.—**Gregg, J. R.** A microrespirometer. Rev. Sc. Instrum., 1947, 18: 514–6.—**Heatley, N. G., Berenblum, I., & Chain, E.** A new type of microrespirometer. Biochem. J., Lond., 1939, 33: 53–67, pl.—**Highly-sensitive** (A) micro-respirometer. Annual Rep. Brit. Empire Cancer Campaign, 1938, 15: 227-8.—**Krüger, F.** Ein neuer Mikro-

Respirationsapparat zur fortlaufenden manometrischen Bestimmung des respiratorischen Quotienten. Zschr. vergl. Physiol., 1934, 21: 249–66.—**Robbie, W. A., & Leinfelder, P. J.** A manometric apparatus for respiratory studies of small animals. Science, 1945, 101: 48.—**Ross, O. A., & Ross, M.** Description of a tissue culture microrespirometer. Anat. Rec., 1950, 106: 241.—**Scholander, P. F.** Volumetric microrespirometers. Rev. Sc. Instrum., 1942, 13: 32. ——— **& Edwards, G. A.** Volumetric microrespirometer for aquatic organisms. Ibid., 292-5.—**Stern, H., & Kirk, P. L.** A versatile microrespirometer for routine use. J. Gen. Physiol., 1947–48, 31: 239–42.—**Tyler, A., & Berg, W. E.** A new type of micro-respirometer. Science, 1941, 94: 397.—**Umbreit, W. W.** The Warburg constant volume respirometer. In his Manometr. Techn. &c., 2. ed., Minneap., 1949, 1–16. ——— The direct method for carbon dioxide. Ibid., 17–20. ——— The indirect method of Warburg. Ibid., 30–9.—**Wells, G. P.** A manometric respirometer for snails. J. Exp. Biol., Lond., 1938, 15: 161–9.

—— Cartesian-diver technic.

Anfinsen, C. B., & Claff, C. L. An extension of the Cartesian diver micro-respirometer technique. J. Biol. Chem., 1947, 167: 27-33.—**Claff, C. L., & Tahmisian, T. N.** Cartesian diver technique. Ibid., 1949, 179: 577–83.—**Schwartz, S.** The use of a silicone coating on the Cartesian diver microgasometer. C. rend. Laborat. Carlsberg, sér. chim., 1949–50. 27: 79–92.—**Waterlow, J. C., & Borrow, A.** Observations on the Cartesian diver microrespirometer. J. Physiol., Lond., 1949, 109: Proc., 19. ——— Experimental observations on the Cartesian diver technique. C. rend. Laborat. Carlsberg, sér. chim., 1949–50, 27: 93–123.

MICROSALTBRIDGE.

See **Microelectrode.**

MICROSANIA.

See also **Platypezidae**; also **Insecta.**

Melander, A. L. Microsania, a genus of the Platypezidae. Psyche, Bost., 1922, 29: 43–8.

MICROSCALE.

See **Microbalance.**

MICROSCAPHIDIIDAE.

See also **Trematoda.**

Ruiz, J. M. Neoctangium travassosi, gen. n., sp. n. (Trematoda; Paramphistomoidea) parasito de quelônio marinho; chave dos gêneros da familia Microscaphidiidae Travassos. 1922. Mem. Inst. Butantan, 1943, 17: 35–45.

MICROSCLERE.

See also **Porifera.**

Hentschel, E. Ueber den Ursprung der Microsclere der Desmacidoniden. Zool. Anz., 1911, 38: 148–55.

MICROSCOLEX.

Giard, A. Sur la synonymie et la géonémie de Microscolex phosphoreus (Dugès) C. rend. Soc. biol., 1898, 10. ser., 5: 1015–7.

MICROSCOPE; ed. by a fraternity of gentlemen [v.1, 21 March—v.2, No. 50, 8 Sept. 1820] 2v. in 1. illust. 22½cm. N. Haven, A. H. Maltby & Co., 1820.

MICROSCOPE.

See also **Bacteriology, Apparatus; Histology; Microbiology, Apparatus; Telescope**; also the subsequent main headings beginning with the words Microscope, and Microscopy.

Ballard, S. S. Optical microscopes and microscopy. Science, 1949, 110: 574.—**Barer, R.** Concept of the microscope. Nature, Lond., 1949, 164: 985.—**Gage, S. H.** Bibliography [on the microscope] In his Microscope, N. Y., 1936, 581–93.—**Langeron, M. C. P.** Choix d'un microscope. In his Précis d. micr., 7. éd., Par., 1949, 152–6.—**Mahoney, T.** The microscope. Sc. Illust., N. Y., 1947, 2: No. 12, 69–73.—**Meissner, H.** Sind die modernen Mikroskope vollkommen? Zschr. wiss. Mikr., 1931, 48: 192–204.—**Moppett, W.** A practical and theoretical discussion on the microscope. J. Cancer Res. Com. Univ. Sydney, 1931, 3: 19–24.—**Morland, N.** The seeing eye. Doctor, Lond., 1945, 4: 207–9.—**Radasch, H. E.** Microscope and its accessories. Ref. Handb. M. Sc., 1916, 6: 491–500.—**Rayton, W. B.** Microscopes. In: Med. Physics (Glasser, O.) Chic., 1944, 733–50.—**Schneider, E.** Notes on the future of the microscope. J. R. Micr. Soc., Lond., 1920, 4. pt, 93–7.

—— Accessories.

See also under other subdivisions; also **Microscopy** subheadings (Accessories; Record of observations) **Microtool.**

Clark, O. L. An eye screen for use with the microscope. Science, 1915, 41: 792.—**Coon, J. M.** New finder for the microscope. J. R. Micr. Soc., Lond., 1906, 274–6.—**Cooper, K. W.** A useful accessory to the Zeiss mechanical stage for oil immersion microscopy. Stain Techn., 1943, 18: 177.—**Draeger, R. H.** Reading attachment for microscopes. U. S. Patent Off., 1938, No. 2,123,882.—**Godfrey, C. J.** Optical precision gauge. Ibid., 1949, No. 2.483,897.—**Pepper, W.** A substitute for the movable stage to be used with the Maltwood finder. J. Am. M. Ass., 1908, 50: 2065.—**Porter, W. T.** Electrometer for the stage of the microscope. Science, 1905, n. ser., 22: 602.—**Ries, J.** Einrichtung zur schnellen Auffindung einzelner Stellen mikroskopischer Präparate. Zschr. wiss. Mikr., 1911, 28: 289–91.—**Robert, H.** Ein neuer Hilfsapparat für Mikroskope (Kreuzschiene Robert) Berl. Klin. Wschr., 1921, 58: 485. Also Med. Klin., Berl., 1921, 17: 167.—**Sachs-Mücke.** Ein einfacher Apparat zur Wiederauffindung bestimmter Stellen in mikroskopischen Präparaten. Münch. med. Wschr., 1906, 53: 1258.—**Schmidt, W. J.** Ein Dehnungsapparat zum Gebrauch auf dem Mikroskop, hergestellt von E. Leitz in Wetzlar. Zschr. wiss. Mikr., 1934, 51: 54-65.—**Substage** slide marker. Bull. U. S. Army M. Dep., 1946, 5: 381.—**Walsem, G. C.** Praktische Vorrichtungen am Mikroskopstativ bei der Zählung der Blutelemente. Zschr. wiss. Mikr.. 1916–17, 33: 30–4.—**Wolff, M.** Ein neuer Objekthalter zum Gebrauch mit anastigmatischen Doppellupen. Zbl. Bakt., 2. Abt., 1915, 43: 454–7.

—— Apparatus.

See also subheading (Patent descriptions) also **Microbiology,** Apparatus; for special types of microscopes see subdivisions; also modified main headings after **Microscopy.**

Bouwers, A. A new microscope. In his Achievem. in Optics, N. Y., 1946. 46–52.—**Clibborn, J.** A standard microscope. J. R. Micr. Soc., Lond., 1919, pt 2, 125.—**Delage, Y.** Sur quelques perfectionnements nouveaux apportés à la partie mécanique du microscope. Arch. zool. exp., Par., 1892. 2. ser., 10: p. i.—**Denne, M. T.** A new microscope. J. R. Micr. Soc., Lond., 1926, 46: 26–8, 2 pl.—**Durand, A.** Bimicroscope de musée. C. rend. Ass. fr. avance. sc. (1914) 1915, 43: 1119. ——— Sur un nouveau modèle de microscope pour la bactériologie. Ibid., 1143.—**Gaidukov, N.** Die neuen Zeiszschen Mikroskope. Zschr. wiss. Mikr., 1906, 23: 59–67.—**Kitagawa, Z., & Huzinaga, K.** Saikin no kenbikyō kensa sciseki ni tuite [Examination of the new microscopes] Ika kikaigaku zassi, 1927–28, 5: 311–21.—**Leffler, G. H.** Microscopes. Educ. Focus, Rochester, 1944, 15: 10–5.—**Lobb, E. G.** Description of a new microscope. Recreat. Sc., Lond., 1861, 2: 149.—**Marx, H.** Ein handliches Obduktionsmikroskop. Zschr. Medbeamte, 1907, 20: 744.—**Matumoto, H.** Wagakuni ni okeru nai-gai-kenbikyō [Foreign and domestic microscopes in Japan] Ika kikaigaku zassi, 1948, No. 2, 14–6.—**Microscope** of wood. Sc. Illust., N. Y., 1947, 2: No. 11, 102–5.—**Morrow, M. G.** New microscope uses two rings. MD, Chic., 1946, 1: No. 7, 16.—**Nistler, A.** Ueber die Bedeutung der Dispersoidanalyse und eine Neukonstruktion des Diffusionsmikroskopes. Protoplasma, Lpz., 1931, 13: 517–45.—**Pulfrich, C.** Neue Form des Abbeschen Demonstrations-Mikroskops und über einige mit ihm angestellte neue Versuche. Zschr. wiss. Mikr., 1921, 38: 264–9.—**Purkinje.** Demonstration eines grossen zusammengesetzten Plössl'schen Mikroskops, Erklärung seines Gebrauchs sowie des des beigefügten Frauenhoferschen Mikrometers. Uebersicht Arb. Schles. Ges. vaterl. Kult., 1832, 39.—**Scourfield, D. J.** A new type of aquarium microscope. J. R. Micr. Soc., Lond., 1928, 48: 129–32, pl.—**Seidel, R. E., & Winter, M. E.** The new microscopes. J. Franklin Inst., 1944, 237: 103–30. Also Annual Rep. Smithson. Inst. (1944) 1945, 193–219, 5 pl.—**Société Carl Zeiss.** Microscope. Rev. opt., Par., 1926, 5: 86.—**Stuhlman, O., jr.** Structure of the compound microscope. In his Introd. Biophysics, N. Y., 1943, 312.—**Swift, P.** A new research microscope. J. R. Micr. Soc., Lond., 1920, 4. pt, 84.—**Toyama, H., & Siroi, N.** Sinhatubai no kenbikyō no hihan [Criticism of new microscopes] Ika kikaigaku zassi, 1948, No. 2, 16.

—— binocular.

See also subheadings (dissecting; stereoscopic)

Christensen, E. Bemerkungen zu dem Zeisslerschen binokularen Plattenkulturmikroskop. Zbl. Bakt., 1. Abt., 1922–23, Orig., 89: Heft 4–5, 112.—**Hartridge, H.** Binocular microscopes. Lancet, Lond., 1948, 2: 432.—**Langeron, M. C. P.** Microscopes binoculaires et à prismes redresseurs. In his Précis d. micr., 7. éd., Par., 1949, 125–32, illust.—**Microscope** binoculaire. Rev. opt., Par., 1925, 4: 264–8, illust.—**Microscope** binoculaire monobjectif. Ibid., 1932, 11: 508.—**Oberguggenberger, V.** Ueber ein neues Doppelbildmessmikroskop. Ibid., 1937, 16: 355.—**S., H.** Wenham's binocular microscope. Recreat. Sc., Lond., 1862, 3: 298.—**Shackle, J. W.** Binocular microscopes. Lancet, Lond., 1948, 2: 511.—**Sherwood, H. F.** A binocular microscope for viewing long wavelength stereo-

radiographs. J. Biol. Photogr. Ass., 1937, 6: 78–84.—**Stiassnie, M.** Microscope binoculaire monobjectif à oculaires inclinés à 45°. Rev. opt., Par., 1937, 16: 230, illust.

—— capillaroscopic.

See also **Capillaries, Examination; Capillaroscopy; Microscopy, capillary.**

Deianov V. J. [Description of a capillaroscope, reconstructed from a microscope] Klin. med., Moskva, 1938, 16: 266–8.—**Müller, O.** Mein Capillarmikroskop. Med. Klin., Berl., 1921, 17: 1448–50.

—— Care and case.

Bausch, E. Use and care of the microscope. 37p. 16° Rochester, N. Y., 1902.

Bugge, G. Zur Aufbewahrung von Mikroskopen. Deut. tierärztl. Wschr., 1920, 28: 529.—**Care** (The) and use of the microscope. Turtox News, 1930, 8: 49.—**Gueskens, P.** Un coffret pour microscope remplaçant la cloche en verre. Ann. Soc. belge méd. trop., 1936, 16: 83, pl.—**Manabe, K.** Kenbikyō no toriatukai ni tuite [How to handle ...] Ika kikaigaku zassi, 1924–25, 2: 679–84.—**Reese, A. M.** A convenient microscope case. Am. Natur., 1913, 47: 121.—**Rupp, C.** Eine Mikroskop-Schutzkappe aus Pappe. Zschr. wiss. Mikr., 1917–18, 34: 248–50.—**Storer, T. I.** A mobile unit for housing student microscopes. Anat. Rec., 1929, 44: 53–6.

—— centrifuge [1930 Harvey]

See also **Centrifuge.**

Harvey, E. B. Una centrifuga-microscopio. Boll. Soc. ital. biol. sper., 1934, 9: 484–7.—**Harvey, E. N.** Centrifuge microscope. In: Med. Physics (Glasser, O.) Chic., 1944, 147.

—— comparison.

See also **Forensic medicine, Methods; Microscope lens,** ocular.

Bessemans, A. Notice bibliographique sur le microscope de comparaison. Acta med. leg. social., Brux., 1948, 1: 412–4.—**Meinhardt, F., & Fricke, H.** Comparison microscope. U. S. Patent Off., 1939, No. 2,184,750.—**Metz, C.** Das Vergleichs-Mikroskop. Zschr. wiss. Mikr., 1922, 39: 31–3.—**Minton, J. D., & Klemm, W. F.** Comparison microscope. U. S. Patent Off , 1942, No. 2,286,430.

—— corneal.

See also **Cornea, Examination; Eye,** Biomicroscopy; **Microscopy,** ophthalmological.

Bhave, L. S. The slit-lamp and the corneal microscope. Ind. J. Ophth., 1942, 3: 35–46.—**Fincham, E. F.** A new form of corneal microscope with combined slit lamp illuminating device. Tr Optic. Soc., Lond., 1923–24, 25: 113–22.—**Fritz.** Microscope chirurgical muni d'éclairage à fente particulièrement adapté à la technique opératoire des greffes cornéennes. Bull. Soc. belge opht., 1948, 461–6, illust.

—— corpuscular.

See under **Microscopy, electron.**

—— dissecting.

Emmel, V. E. A dissecting microscope, an accessory of the compound microscope. Anat. Rec., 1911, 5: 323.—**Götz, W.** Ein zusammenlegbares Präpariermikroskop. Mikrokosmos, Stuttg., 1921–22, 15: 69–72.—**Harrington, H. D., & Poulter, R. W.** A foot-focusing device for the binocular dissecting microscope. Science, 1934, 79: 368.—**Neal, W. L., & Savage, J. de la M.** An improvised dissecting microscope for entomological work. Rec. Malaria Surv. India, 1932–33, 3: 841.—**Perrot, E.** Sur une nouvelle loupe à dissection avec platine mobile permettant de dessiner avec la chambre claire ordinaire du microscope. Bull. sc. pharm., Par., 1906, 13: 273–6. Also Tr. Laborat. matière méd., Par. (1906) 1907, 4: 289–93.—**Rowney, T.** Construction and uses of a dissecting microscope. Recreat. Sc., Lond., 1861, 2: 51–4.—**Stewart, A. H.** A new colony counter and dissecting microscope. J. Med. Res., 1905–06, 14: 423–9.—**Van Heurck, H.** Le nouveau microscope à préparer de M. E. Leitz. Ann. Soc. belge micr., 1900–01, 27: 9–14.

—— electron.

See under **Microscopy, electron.**

—— episcopic.

See also **Episcope; Microscopy,** Incidental light.

Eppenstein, O. M. I., & Münster, C. Microscope for examining profiles of surfaces of bodies by the optical intersection method. U. S. Patent Off., 1940, No. 2,216,003.—**Hauser, F.** Microscope for the examination of surfaces. Ibid., 1936, No. 2,034,096.—**Nouvel** (Un) épiscope à grand rendement; construit par la Société Belge d'Optique et d'Instruments de Précision à Gand sur les indications de M. le professeur Piccard. Rev. opt., Par., 1927, 6: 81–5, illust.—**Türkel, S.** Ein neues Schriftenmikroskop. Zschr. wiss. Mikr., 1931–32, 48: 442–9.

—— field, and portable.

Gould, C. The companion to the compound, oxy-hydrogen, and solar microscopes made by W. Cary ... together with an account of a simple apparatus for examining the phenomena of chemical action, and a description of C. Gould's improved pocket compound microscope. 13. ed. 74p. 18cm. Lond., 1839.

Demoll, R. Feldmikroskop Heimdal von Fr. Reinsch. Internat. Rev. Hydrob., Lpz., 1927, 18: 422–6.—**Ebstein, E.** Ein tragbares Taschenmikroskop für Aerzte. Deut. med. Wschr., 1928, 54: 434.—**Garjeanne, A. J. M.** Ein einfaches Exkursionsmikroskop. Zschr. wiss. Mikr., 1911, 28: 56–8.—**King, A.** Folding microscope. U. S. Patent Off., 1944, No. 2,352,719.—**Langeron, M. C. P.** Microscopes de voyage. In his Précis d. micr., 7. éd., Par., 1949, 113–5.—**O'Brien, D. J.** Compact microscope. U. S. Patent Off., 1947, No. 2,433,674.—**Reinsch, F. K.** Entwicklung und Stand des Klein- beziehungsweise Taschenmikroskopbaues. Zschr. wiss. Mikr., 1927, 44: 20–30. —— Feldmikroskop Heimdal, ein Mikroskop für wissenschaftliche Untersuchungen im Freien. Ibid., 313–26.—**Richards, O. W.** Variable field microscope. U. S. Patent Off., 1947, No. 2,418,602.

—— fluorescence.

See under **Microscopy, fluorescence.**

—— Focusing mechanism, and adjustment.

Allison, R. D. Focusing device for microscopes. U. S. Patent Off., 1939, No. 2,166,034.—**Clay, R. S.** The mechanical development of the microscope; a new fine-adjustment. J. R. Micr. Soc., Lond., 1937, 57: 1–7.—**Fürth, R.** Ein mikrometrisch einstellbarer Anschlag für Mikroskopstative. Zschr. wiss. Mikr., 1920, 37: 209–12.—**Gibson, H. L.** Fine adjustment mechanism. U. S. Patent Off., 1944, No. 2,363,409.—**Gradisar, A. A., & Richards, O. W.** Coarse and fine adjustment mechanism for microscopes. Ibid., 1949, No. 2,489,487.—**Hamly, D. H.** A precision fine adjustment for standard microscopes. Science, 1941, 94: 263.—**Hance, R. T.** A device to increase the efficiency and ease of manipulation of the fine adjustment of the microscope. Anat. Rec., 1917, 12: 193.—**Hegre, E. S., & Blount, R. F.** A chin-operated focus adjustment for the dissecting microscope. Science, 1945, 101: 126.—**Krombholz, E.** Ueber einen Nebenapparat zur Erleichterung des Einstellens am Mikroskop. Zschr. wiss. Mikr., 1912, 29: 193.—**Ott, H. N.** Fine adjustment of microscope objective. U. S. Patent Off., 1948, No. 2,439,525.—**Porter, H. M.** Adjustment mechanism for microscopes. Ibid., No. 2,439,485.

—— History.

See also subheading (Manufacture) also **Microscopist; Microscopy,** History; **Microscopy, electron,** History.

Castaldi, L. I microscopi costruiti da Galileo Galilei, 1610–1630, con notizie sugli inizi del telescopio. 67p. 22½cm. Fir., 1942.

Forms Suppl. to v.33, Riv. stor. sc. med., 1942.

Clay, R. S., & Court, T. H. The history of the microscope; compiled from original instruments and documents up to the introduction of the achromatic microscope. 266p. 8° Lond., 1932.

Disney, A. N. Origin and development of the microscope, as illustrated by catalogues of the instruments and accessories, in the collections of the Royal Microscopical Society, together with bibliographics of original authorities. 303p. 23½cm. Lond., 1928.

Andrieu, B. Glanures de microscopie historique; la microscope de Lavoisier. Bull. Soc. fr. micr., 1937, 6: 16–9, pl.—**Barrow, M. E.** The development of the microscope. Bios, Oklahoma, 1934, 5: 157–64.—**Brunn, W. v.** Das Mikroskop Robert Kochs, mit dem er seine Milzbranduntersuchungen ausführte. Münch. med. Wschr., 1944, 91: 160.—**Cittert, P. H. v.** [Observations concerning the history of the resolving power of the microscope] Ned. tschr. natuurk., 1935, 2: 51–62.—**Clarke, B. E.** The history of the microscope and early microscopy. Rhode Island M. J., 1942, 25: 131–9, illust. Also Centaur, Menasha, 1946–47, 52: 258–65.—**Clay, R. S.** A review of the mechanical improvements of microscopes in the last forty years. J. R. Micr. Soc., Lond., 1938, 58: 1–29. —— **& Court, T. H.** Two microscopes made by G. Adams for King George III. Ibid., 1926, 46: 268–73, pl. —— Early achromatic microscopes by James Smith. Ibid., 1930,

50: 297–301, pl. ——— Some early achromatic microscopes; Fraunhofer's microscopes. Ibid., 1931, 51: 403–7. ——— Note on the introduction of the field lens in the microscope; Dr Henry Power and his letters. Ibid., 1934, 54: 23–8, 2 pl.—**Cowles, T.** Dr Henry Power's poem on the microscope. Isis, Bruges, 1934, 21: pt 1, 71–80.—**Desai, M.** The eye of science; the microscope. In his To the Builders of Tomorrow, Bombay, 1948, 51–67, illust.—**Fassin, G.** Something about the early history of the microscope. Sc. Am. Month., 1934, 38: 452–9. ——— The first microscopes. Educ. Focus, Rochester, 1936, 7: No. 2, 10–4.—**Favaro, G.** Il microscopio di G. B. Amici dell' Instituto anatomico di Modena. Rass. stor. Univ. Modena, 1929, fasc. 1: 46.—**Fraser, W. S.** The microscope; recent developments. Manufact. Chem., Lond., 1949, 20: 63–9.—**Genung, E. F.** The development of the compound microscope. Bull. Hist. M., 1942, 12: 575–94.—**Gramont, A. de.** Le microscope de la Marquise de Pompadour, 1721–64. Rev. opt., Par., 1940, 19: 213–17, illust.—**Haden, R. L.** The origin of the microscope. Ann. M. Hist., 1939, 3. ser., 1: 30–44. Also J. Am. M. Ass., 1939, 113: 1691. ——— Early microscopes and early microscopists. Tr. Ass. Am. Physicians, 1939, 54: 343–54.—**Hintzsche, E.** Die Erfindung des Mikroskopes. Ciba Zschr., Basel, 1947–49, 10: 4311–3. Also Actas Ciba, B. Air., 1949, 67–70. Also Actas Ciba, Rio, 1949, 16: 115–8. ——— Mikroskope aus dem 17. und dem 18. Jahrhundert. Ciba Zschr., Basel, 1947–49, 10: 4314–21. Also Actas Ciba, B. Air., 1949, 71–9. Also Actas Ciba, Rio, 1949, 16: 119–28. ——— Der Ausbau des Mikroskopes zum modernen Forschungsinstrument. Ciba Zschr., Basel, 1947–49, 10: 4322–30. Also Actas Ciba, B. Air., 1949, 80–90. Also Actas Ciba, Rio, 1949, 16: 129–39. ——— Alte und neue optische Hilfsmittel der mikroskopischen Spezialforschung. Ciba Zschr., Basel, 1947–49, 10: 4331–6. Also Actas Ciba, B. Air., 1949, 91–7. Also Actas Ciba, Rio, 1949, 16: 140–6. ——— El microscopio de Albrecht von Haller. Actas Ciba, B. Air., 1949, 104. Also Actas Ciba, Rio, 1949, 16: 154. ——— Um sucedâneo das lentes de vidro. Ibid., 155.—**Le Roy, de Montigny & Brisson.** Rapport fait sur un microscope. Observations (Rozier) Par., 1777, 10: 220–4.—**Lewis, F. T.** The advent of microscopes in America; with notes on their earlier history. Sc. Month., 1943, 57: 249–59.—**Loury, A.** Les origines du microscope. Bull. Soc. fr. micr., 1932, 1: 20–4, pl.—**Microscope** used by Bassi [Illust.] Bull. Hist. M., 1944, 16: opp. p. 97.—**Microscopium** pulicare, from the 1702 edition of Oculus artificialis [Illust.] Ciba Sympos., 1944–45, 6: 1893.—**Nelson, E. M.** Francis Watkins' microscope. J. R. Micr. Soc., Lond., 1908, pt 2, 137–45. ——— Gregory and Wright's microscope. Ibid., 154–7.—**Petrescu, G. Z.** [History of the microscope] Rev. st. med., Bucur., 1935, 24: 185–97.—**Petri, R. J.** A. van Leeuwenhoek's Mikroskop. Naturwiss. Wschr., 1907, 22: 1–7.—**Policard, A.** Sur l'invention du microscope et son évolution. Bull. histol. appl., Lyon, 1930, 7: 46–59.—**Richards, O. W.** The history of the microscope. Tr. Am. Micr. Soc., 1949, 68: 55; passim.—**Robbins, H. A.** Evolution of the microscope. Am. J. Derm., 1908, 12: 177–83.—**Rooseboom, M.** [On the optical properties of certain Leeuwenhoek microscopes] Ned. tschr. geneesk., 1939, 83: 63–70, pl. Also J. R. Micr. Soc., Lond., 1939, 59: 177–83, 2 pl. ——— [Early development of the achromatic microscope] Ned. tschr. geneesk., 1940, 84: 1727.—**Ruiz de Villegas, B.** Del microscopio simple al super-electrónico. Med. & cir. auxil., Madr., 1950, 11: 41–4.—**Rutherford, W.** The tercentenary of the compound microscope. Proc. Scot. Micr. Soc., 1890–95, 1: p. iv–xxi.—**Sobol, S. L.** K istorii mikroskopa v rannem periode deiatelnosti Peterburgskoi Akademii Nauk. Bull. Acad. sc. URSS, sér. biol., 1945, 247–56.—**Thiersch, J.** Zur Geschichte des Mikroskopes (George Oberhäuser) Münch. med. Wschr., 1933, 80: 1671–3.—**Villalonga Guerra, M.** Del microscopio de Leuwenhoek al electrónica. Med. & cir. auxil., Madr., 1948, 9: Oct., 24–38.

—— infrared [1948 Bailly]

Kelly, T. S. B. A low power infra-red microscope. Brit. J. Ophth., 1948, 32: 396.

—— interference.

See under **Microscopy, phase-contrast.**

—— intravital.

See also other subheadings (capillaroscopic; corneal) also **Microscopy,** intravital.

Hanzon, V., & Holmgren, H. A vital microscope. Acta anat., Basel, 1949, 8: 113–21.—**Mehler, L., & Pick, J.** Ueber ein Mikroskop zur Untersuchung lebenden Gewebes; vorläufige Mitteilung. Anat. Anz., 1932–33. 75: 234–40.—**Vassiliev, A. A., Selkov, E. A., & Maksutov, D. D.** [Apparatus for vital microscopy] Sovet. vrach. gaz., 1933, 37: 1033.

—— inverted.

Hanna, G. D. Comments regarding the McArthur inverted microscope. J. R. Micr. Soc., Lond., 1949, 69: 86.—**McArthur, J. N.** A new type of portable microscope. Ibid., 1934, 54: 182–5. ——— Advances in the design of the inverted prismatic microscope. Ibid. (1945) 1947, 65: 8–16, 3 pl. ——— A new type of research microscope. Tr. R. Soc. Trop. M. Hyg., Lond., 1946–47, 40: 378.—**O'Brien, D. J.** A new pocket prismatic microscope. N. England J. M., 1945, 232: 475.—**Wolfson, C.** An improvised inverted microscope. J. Laborat. Clin. M., 1941–42, 27: 809–11.

—— luminescence.

See under **Microscopy, fluorescence.**

—— Manual.

See **Microscopy,** Manual.

—— Manufacture, and sale.

See also **Glass,** optical; **Optical industry.**

American Optical Company. Scientific Instrument Division [Buffalo, N. Y.] Three American microscope builders. 77p. 23cm. Buffalo, 1945.

Leitz, E. Microscopes and accessory apparatus. 96p. 8° Lpz., 1899.

Zeiss, C. Microscopes and microscopic accessories. 32. ed. 162p. 8° Jena, 1902.

Borgstedt, F. J. So, I made a microscope. Educ. Focus, Rochester, 1946, 17: No. 3, 15–7.—**Catalogue** of Watson microscopes, parts 1 and 2. J. R. Micr. Soc., Lond., 1935, 55: 306.—**Construction** and use of microscopes. Nature, Lond., 1919–20, 104: 546–8.—**Eversheim, P.** Aus optischen und mechanischen Werkstätten. Zschr. wiss. Mikr., 1916–17, 33: 35–45.—**Hallimond, A. F.** Use of polaroid for the microscope. Nature, Lond., 1944, 154: 369–71.—**John, K.** Vere'nhe'tl'chung im Mikroskopbau. Zschr. wiss. Mikr., 1927 44: 471–3.—**Kitagawa, Z.** Hō-san kenbikyō no sōsi. Ika kikaigaku zassi, 1931–32, 9: 445–7.—**Lennhoff, G.** Recent progress in construction in microscopes. Intercolon. M. Congr. Australasia (1892) 1893, 3: 698–702.—**Matumoto, H.** Wagakuni ni okeru kenbikyō yunyū no hensen ni kan-suru kanken. Ika kikaigaku zassi, 1933–34, 11: 230–3.—**Microscopi** Rosenbaum. Diagn. tecn. laborat., Nap., 1934, 5: 667–9.—**Palmer, C.** A list of E. M. Nelson's microscopes and accessories. J. R. Micr. Soc., Lond. (1945) 1947. 65: 17–22.—**Schmidt, W. J.** Aus optischen und mechanischen Werkstätten. Zschr. wiss. Mikr., 1922, 39: 122–32.—**Stodder, C.** American microscopes and their merits. Am. Natur., 1870, 4: 422–30.—**Volkmann, W.** Ergänzungen zur optischen Bank. Zschr. wiss. Mikr., 1920, 37: 46–8.—**Wychgram, E.** Aus optischen und mechanischen Werkstätten. Ibid., 1914, 31: 441–7.

—— metallurgic, and petrographic.

See also **Metallurgy; Microscopy, polarizing; Mineralogy.**

Garvin, U. Nouvelle monture de microscope métallographique. J. phys. radium, Par., 1922 6. sér., 3: (Soc. fr phys.), 115S.—**Koch, E.** The toolmaker's microscope for small parts measuring Educ. Focus, Rochester, 1944, 15: 36–8.—**Microscope** métallographique. Rev. opt., Par., 1929, 8: 23–5.—**Sommerfeldt, E.** Die Fortschritte im Bau mineralogischer und metallographischer Mikroskope während der letzten Jahre. Zschr. wiss. Mikr., 1911, 28: 70–82.

—— mirror.

For the mirror microscope see **Microscope,** reflecting; for the microscope mirror see under **Microscope condenser.**

—— Nosepiece.

See also **Microscope,** Stand; **Microscope lens,** Objective.

Bauersfeld. W. Nose-piece for microscope objectives. U. S. Patent Off., 1934, No. 1,985,073.—**Hauser, F.** Revolving nose-piece for microscopes. Ibid., 1935, No. 1,996 920.—**MacDonald. G. S.** Nosepiece for microscopes. Ibid., 1936, No. 2,062,304. ——— & **Ott, H. N.** Means for attaching microscope objectives. Ibid., 1939, No. 2,173,657.—**Studnička, F. K.** Schlittenobjektivwechsler und Revolver. Zschr. wiss. Mikr., 1910, 27: 501–3.

—— operating.

See also **Surgery,** Instruments.

Gordon, J. S. Telemagnifier as operating microscope. Tr. Am. Acad. Ophth. Otolar., 1948–49, 53: 372.—**Smith, A. B.** Operating microscope. Brit. M. J., 1947, 1: 776.

—— Optics.

See also **Microscope condenser; Microscope illumination; Microscope lens; Microscopy, Theory; Microscopy, electron,** Optics, etc.

Waldeck, E. *Ueber das Abhängigkeitsverhältnis der Gesichtsfeldgrenzen von der Objektgrösse. 31p. 8° Bonn. 1902.

Conrady, A. E. Notes on microscopical optics. J. R. Micr. Soc., Lond., 1920, pt 4, 60–6.—Fischer, K. Optik und Mechanik am modernen Mikroskop. Rev. opt., Par., 1937, 16: 397.—Hamly, D. H., & Watson, J. H. L. Potentialities of optical and electron microscopes. Tr. R. Soc. Canada, 1941, 35: Sect. 5, 61–5, 3 pl.—Langeron, M. C. P. Détermination des constantes optiques du microscope. In his Précis d. micr., 7. éd., Par., 1949, 191–202, illust.—Libotzky, E. Intermediary optical system for microscopes. U. S. Patent Off., 1941, No. 2,237,943.—Microscopical optics. Nature, Lond., 1919–20, 104: 548–50.—Shurlock, F. W. Experimental studies in diffraction. J. R. Micr. Soc., Lond., 1931, 51: 24; 127, 4 pl.

—— Patent descriptions.

See also **Microscopy, electron; Microscopy, fluorescence; Microscopy, phase-contrast; Microscopy, polarizing,** etc.

Benford, J. R., & Foster, L. B. Microscope. U. S. Patent Off., 1947, No. 2,414,709.—Bennett, A. H., & Richards, O. W. Microscope. Ibid., 1946, No. 2,406,526.—Blomgren, O. C. Microscope. Ibid., 1947, No. 2,417,044.—Broadhurst, J., & Sulzner, C. F. Microscope and microscope slide. Ibid., 1935, No. 1,996,141.—Brown, L. H. Microscope. Ibid., 1939, No. 2,156,911.—Fassel, E. G. Document reading microscope. Ibid., 1945, No. 2,372,192.—Fassin, G. Microscope. Ibid., 1936, No. 2,048,440; 1938, No. 2,135,870.—Flint, E. F. Microscope. Ibid., 1941, No. 2,264,835; 1943, No. 2,325,238; No. 2,325,239.—Fricke, H. Microscope. Ibid., No. 2,256,245.—Gallasch, G. B. Microscope. Ibid., 1934, No. 1,984,127; 1936, No. 2,057,187; 1937, No. 2,093,604; 1940, No. 2,214,367. ——— & Kurtz, H. F. Microscope. Ibid., No. 2,208,839. ——— & Wittig, C. H. O. Microscope. Ibid., No. Re. 21,587.—Gary, J. L. Microscope and illuminated stand therefor. Ibid., 1942, No. 2,287,764.—Graff, J. H., & Root, C. H. Microscope. Ibid., 1940, No. 2,208,882.—Hall, L. B., & Kurtz, H. F. Microscope. Ibid., 1938, No. 2,133,509.—Harper, K. W., & Roeder, E. O. Microscope. Ibid., 1943, No. 2,328,211.—Heine, H. Microscope. Ibid., 1937, No. 2,096,325; No. 2,097,762.—Joroslow, J. Illuminated microscope. Ibid., 1941, No. 2,240,402.—Kurtz, H. F. Microscope. Ibid., 1937, No 2,093,611.—Maisch, W. Microscope. Ibid., 1939, No. 2,146,506.—Michel, K. Microscope. Ibid., 1940, No 2,209,532.—Ott, H. N. Microscope. Ibid., 1935, No. 2,003,387; 1938, No. 2,132,122; No. 2,138,665; 1939, No. 2,143,632; No. 2,148,576; 1944, No. 2,360,268.—Posada, V. M. Microscopic carriage. Ibid., 1942, No. 2,279,412.—Richards, O. W. Microscope. Ibid., 1946, No. 2,404,888.—Roeder, E. O. Microscope. Ibid., 1944, No. 2,365,594.—Roesch, S. Microscope. Ibid., 1938, No. 2,105,671.—Sass, J. E. Microscope. Ibid., 1941, No. 2,255,630.—Schulman, C. A. Microscope. Ibid., No. 2,255,631.—Snook, H. C., & McKee, M. Microscopy. Ibid., 1940, No. 2,218,270.—Wetzlar, M. B. Microscope. Ibid., 1938, No. 2,128,394.—Wollensak, A. Microscope. Ibid., 1936, No. 2,026,722.

—— phase-contrast.

See **Microscopy, phase-contrast.**

—— phosphorescence.

See under **Microscopy, fluorescence.**

—— polanret.

See under **Microscopy, phase-contrast.**

—— polarizing.

See **Microscopy, polarizing.**

—— profile.

See under **Microscope,** episcopic.

—— projecting.

See also **Microscopy,** projecting; **Projection;** also **Microprojector.**

Davies, T. S. Projection microscope for use in daylight. Brit. M. J., 1945, 2: 428.—Gage, S. H. The origin and development of the projection microscope. Tr. Am. Micr. Soc. (1906) 1908, 28: 5–60, 6 pl.—Lemardeley, F. Un nouvel appareil de microprojection; l'Universel C. Bull. Soc. fr. micr., 1932, 1: 32.

—— protonic.

See under **Microscopy, electron.**

—— reflecting.

Barer, R. Advances in microscopy; the reflecting microscope. Brit. Sc. News, 1947, 1: No. 6, 12, 2 pl. ——— The reflecting microscope. Lancet, Lond., 1949, 1: 533.—Bates, W. J., & Occhialini, G. P. S. Applications of the reflecting microscope to the nuclear plates technique. Nature, Lond., 1948, 161: 473.—Burch, C. R. Reflecting microscopes. Ibid., 1943, 152: 748.—Johnson, L. T. Reflecting microscope. U. S. Patent Off., 1949, No. 2,478,762.—Patzelt, V. Ueber Spiegelmikroskope. Mikroskopie, Wien, 1949, 4: 189.—Seeds, W. E., & Wilkins, M. H. F. A simple reflecting microscope. Nature, Lond., 1949, 164: 228.—Sullivan, J. M. Reflector microscope. U. S. Patent Off., 1939, No. 2,182,099.

—— roentgen.

Bragg, W. L. The x-ray microscope. Nature, Lond., 1942, 149: 470.—Guinier, A. La diffraction des rayons X aux très petits angles; application à l'étude de phénomènes ultramicroscopiques. Ann. phys., Par., 1939, 11. ser., 12: 161–237, pl.—Kirkpatrick, P. The X-ray microscope. Sc. American, 1949, 180: No. 3, 44–7.—Shearer, G. The x-ray microscope. Brit. J. Radiol., 1936, 9: 30–7.

—— simple.

See also **Magnifying glass.**

Binocular eye loupes. Dent. Items, 1946, 68: 1021.—Bresslau, E. Die neue Mikro-Zeitlupe zur mikroskopischen Analyse schneller Bewegungsvorgänge. Verh. Deut. zool. Ges., 1933, 35: 232–43.—Coulman, C. E., & Petrie, G. R. Some notes on the designing of aspherical magnifiers for binocular vision. J. Optic. Soc. America, 1949, 39: 612. ——— Use of aspherical surfaces in the design of magnifiers for binocular vision. Nature, Lond., 1949, 164: 586.—De Lery, G. V. Pocket reading glass. U. S. Patent Off., 1946, No. 2,410,272.—Erhard, H. Hensoldts Jagddialyt als Lupe. Zschr. wiss. Mikr., 1923, 40: 297.—Fleenor, W. O. Combined tongs and magnifying glass. U. S. Patent Off., 1948, No. 2,435,741.—Gossler, O. Eine Mikrozeitlupe für Direktbeobachtung. Mikroskopie, Wien, 1948, 3: 360.—Heusser, H. Die Zeiss'sche Taschenleuchtlupe ein wertvolles Hilfsmittel in der modernen tierärztlichen Augen-Untersuchung. Schweiz. Arch. Tierh., 1940, 82: 304–6.—Imperatori, C. J. Twin loupe laryngeal magnifier. Arch. Otolar., Chic., 1945, 41: 304.—Jeffree, J. H. Use of aspherical surfaces in the design of magnifiers for binocular vision. Nature, Lond., 1949, 164: 1006.—Langeron, M. C. P. Loupes. In his Précis d. micr., 7. éd., Par., 1949, 116–24, illust.—Lebailly, C. Une loupe stéréoscopique pour travaux micrographiques. C. rend. Soc. biol., 1922, 86: 573.—Lemche, J. A new type of reading-lens. Lancet, Lond., 1948, 2: 1027. Also Ugeskr. laeger, 1949, 111: 370.—Lower power binocular magnifier. Ophthalmoscope, Lond., 1912, 10: 264–6.—Mayer, P. Die Lupen und ähnlichen optischen Geräte von Carl Zeiss. Zschr. wiss. Mikr., 1921, 38: 113–22.—Murr, E. Eine Stativlupe von vielseitiger Verwendbarkeit. Ibid., 1926, 43: 87–93.—New miniature magnifier, Mini-Mag. Dent. Items, 1946, 68: 913–5.—Ombrédanne. Présentation d'une loupe binoculaire. Ann. otolar., Par., 1948, 65: 706.—Rappaport, F., & Eichhorn, F. An illuminating magnifier for the reading of the rapid test for syphilis. Arch. Derm. Syph., Chic., 1946, 54: 345–7.—Satō, A., & Nukiyama, H. Kōsei tyōsin-ki no kenkyū. Ika kikaigaku zassi, 1926–27, 4: 321–7.—Schabadasch, A. Anwendung von photographischen Objektiven mit kurzer Brennweite für kleine Vergrösserungen. Zschr. ges. Anat., 1. Abt., 1928, 86: 505–8.—Stegeman, R. F. E. Magnifying device. U. S. Patent Off., 1945, No. 2,389,282; 1946, No. 2,394,946.—Weber, M. Ueber ein neues Lupenstativ mit Beleuchtungsvorrichtung. Zschr. wiss. Mikr., 1921, 38: 258–60.

—— spectroscopic.

See **Microspectroscope.**

—— Stage, and substage.

See also other subheadings (Accessories; Stand) also **Micrometer; Microscope condenser; Microscope heater; Microscope illuminator,** etc.

Bauersfeld, W. Microscope stage. U. S. Patent Off., 1935, No. 1,998,216. ——— Substage for microscopic condensers and the like. Ibid., No. 2,014,161.—Coon, J. M. Note on a new finder for the microscope. J. Quekett Micr. Club, 1905–06, 2. ser., 9: 327–30.—Holland, W. Circular stage for a microscope. Chemist Analyst, 1942, 31: 71.—Kozłowski, A. An adjustable stage for microscopes. Science, 1934, 79: 388.—Ott, H. N. Mounting for substage parts of microscopes. U. S. Patent Off., 1947, No. 2,432,583.—Riley, C. P. Gripping means for microscope mechanical stages. Ibid., 1949, No. 2,474,163.—Robert, H. Ein neuer Hilfsapparat für Mikroskope (Kreuzschiene Robert) Zschr. wiss. Mikr., 1921, 38: 60.—Schorr, G. Ein neues Modell eines einfachen beweglichen Objekttisches. Ibid., 1906, 23: 425–7.—Studnička, F. K. Eine Kombination des Kreuztisches und des Pendeltisches, nebst einigen Bemerkungen über die Kreuztische der Mikroskope überhaupt. Ibid., 1926, 43: 172–7.

—— Stand.

See also other subheadings (Focusing mechanism; Nosepiece) also **Microscope heater.**

Aitcheson, T. G., & Gradisar, A. A. Pivotal mounting means for microscope arms and the like. U. S. Patent Off., 1949, No. 2,474,644.—Bauersfeld, W. Microscope stand. Ibid.,

1935, No. 2,000,737. ——— Pillar bracket for monobjective microscopes. Ibid., No. 2,014,874.—**Beck, C., & Ogilvy, J. W.** Microscope stands. Nature, Lond., 1911–12, **88**: 480.—**Corl, C. J.** Zusammenklappbares Taschen- Präparier- und Planktonlupenstativ. Zschr. wiss. Mikr., 1923, **40**: 294–6.—**Jeantet, P.** Nouveau statif de microscope spécialement aménagé pour la photomicrographie. Rev. opt., Par., 1940, **19**: 27–35, illust.—**Metz, C.** Neuere Vervollkommnungen der Leitzschen Mikroskop-Stative. Zschr. wiss. Mikr., 1906, **23**: 430–9.—**Metzner, P.** Ueber ein Horizontal-Vertikal-Mikroskop. Ibid., 1928, **45**: 1–10.—**Seters, W. H. v.** Tripod and pillar microscopes. J. R. Micr. Soc., Lond., 1928, **48**: 385–8.—**Spitta, E. J.** The relative merits of the long- and short-tube microscopes. J. Quekett Micr. Club, 1905–06, 2. ser., **9**: 279–86.—**Steinach, E.** Ein neues Mikroskop-Stativ. Zschr. wiss. Mikr., 1906, **23**: 308–12.—**Wiedling, M.** The use of ball-bearings in the construction of microscopes. J. R. Micr. Soc., Lond., 1936, **56**: 31–8.—**Wittig, C. H. O.** Adjustable pinion shaft bearing for microscopes. U. S. Patent Off., 1948, No. 2,449,156.

—— stereoscopic.

See also **Microscope**, binocular.

Gramont, A. de. Nouveau microscope stéréoscopique. Bull. Soc. fr. micr., 1932, **1**: 45–50.—**Helmstädt, O.** Ein stereoskopischer Aufsatz für Mikroskope. Zschr. wiss. Mikr., 1921, **38**: 321–33.—**Kofler, L.** Ueber die Verwendbarkeit eines neuen Stereoaufsatzes für Mikroskope. Ibid., 363–5.—**Loury, A.** Loupes binoculaires à grand champ et grand effet stéréoscopique. Bull. Soc. fr. micr., 1932, **1**: 81, illust.—**Mummery, J. H.** A communication on stereoscopic microscopes. Tr. Odont. Soc. Gr. Britain, 1903–04, n. ser., **36**: 147–50.—**Pesonen, N.** Ett stereomikroskop. Nord. med., 1943, **18**: 1069.—**Rheinberg, J.** On stereoscopic effect and a suggested improvement in binocular microscopes. J. Quekett Micr. Club, 1905–06, n. ser., **9**: 371–94.—**Takagi, Z.** Kenbikyōzō hukugō sōti ni tuite. Igaku & seibutugaku, 1943, **4**: 71–5.

—— telescopic.

See also **Telescope.**

Oelze, F. W. Fernrohrlupen und Fernrohrmikroskop. Derm. Wschr., 1922, **75**: 875–7.

—— Ultramicroscope.

See also **Microscopy**, Ultramicroscopy; **Microscopy, electron**; also in the 3. ser., **Ultramicroscopy.**

Gastou, P. L. L'ultra-microscope. 2. éd. 80p. 19cm. Par., 1912.

Bielonovski, G. D. Pribor dlya razsmatrivaniya ultramikroskopicheskikh zeren v zhidkostyakh. Protok. zased. Obshch. Morsk. vrach. Kronstadt. (1904–05) 1907, **42**: No. 2, 46.—**Bödecker, C. F., jr.** The ultramicroscope. Dent. Rev., Chic., 1912, **26**: 1070–8.—**Gascard, A.** Le microscope et l'ultra-microscopie. Rev. méd. Normandie, 1905, 263–70.—**Jones, H. S.** The super-microscope. In: Science Looks Ahead (Low, A. M.) Lond., 1942, 456–60, pl.—**Langeron, M. C. P.** Ultropak. In his Précis d. micr., 7. éd., Par., 1949, 293–6.—**Morland, N.** Super-microscopes. Doctor, Lond., 1945, **4**: 227.—**Spierer, C.** Ultra-Mikroskop mit zweiseitiger Beleuchtung. Zschr. wiss. Mikr., 1927, **44**: 16–9, 4 pl.—**Turpain, A., & Lavergne, R. de B. de.** Sur un ultramicroscope permettant de projeter directement les tests ultramicroscopiques et le mouvement brownien. C. rend. Acad. sc., 1930, **190**: 1398.—**Ultramicroscope** (The) and its application to modern biology. Sc. American Suppl., 1915, **80**: 211.—**Zsigmondy, R.** The immersion ultramicroscope. In: Colloid Chem. (Alexander, J.) N. Y., 1926, **1**: 817–9.

—— ultraviolet.

See also **Microscope illumination**; also the modified main headings after **Microscopy.**

Land, E. H., Blout, E. R. [et al.] A color translating ultraviolet microscope. Science, 1949, **109**: 371–4.—**Sabine, W. C.** The optical advantages of the ultra-violet microscope. J. Med. Res., 1905–06, **14**: 455–62, pl.

—— universal.

Klein, B. M. Das grosse Reichertsche Universalmikroskop Z. Zschr. wiss. Mikr., 1937–38, **54**: 421–7.—**Ramsthaler, P.** Ueber ein neues Universalmikroskop. Ibid., 1933, **50**: 63–72.—**Wolff, M.** Ein neues Universal-Mikroskop für Entomologen. Zschr. angew. Entom., 1925, **11**: 305–8.

MICROSCOPE condenser.

See also **Microscope**, Stage and substage; **Microscope illumination**; **Microscopy, darkfield.**

Zeiss, C. Gebrauchs-Anweisung für den Abbe'schen Beleuchtungs-Apparat [4]p. 8° [Jena, after 1873]

Akehurst, S. C. A changer for use with sub-stage condensers. J. Quekett Micr. Club, 1914, 2. ser., **12**: 277.—**Domingo, E.** Microscope condenser. U. S. Patent Off., 1947, No. 2,415,732.—**MacKnight, R. H.** A simple means of retaining oil between slide and condenser. Science, 1942, **95**: 588.—**Metz, C.** Der aplanatische und achromatische Kondensor. Zschr. wiss. Mikr., 1912, **29**: 553–62.—**Mills, F. W.** Une méthode pour corriger les condensateurs à immersion d'huile pour les diverses épaisseurs de lames. Bull. Soc. fr. micr., 1934, **3**: 107.—**Payne, B. O.** Observations on condensers, objectives and eye-pieces; microscope condensing systems. J. R. Micr. Soc., Lond., 1949, **69**: 200–14, pl.

—— Mirror.

Cowan, R. S. A mirror device for studying lower surfaces of small objects using a dissecting microscope. Science, 1947, **105**: 555.—**Gebrauchsanweisung** für die Spiegelkondensatoren aus den optischen Werken von C. Reichert, Wien. Zschr. angew. Mikr., 1908–09, **14**: 197–204.—**Ignatowsky, W. v.** Einige Neuerungen am Leitzschen Spiegelkondensor. Zschr. wiss. Mikr., 1909, **26**: 387–90, pl. ——— Ein Notiz zum Leitzschen Spiegelkondensor. Ibid., 1911, **28**: 50.—**Nichols, J.** An economical prism mirror. Am. J. Clin. Path., 1949, **19**: 96.—**Reichert, C.** Ein neuer Spiegelkondensor. Wien. klin. Wschr., 1907, **20**:1327. ——— Also Verh. Ges. deut. Naturforsch. (1907) 1908, 2. Teil, 2. Hälfte, 73.—**Van Heurck, H.** Note sur un condensateur à miroir destiné à montrer les particules ultra-microscopiques. Ann. Soc. belge micr., 1907, **28**: 45–55.

MICROSCOPE diaphragm.

Beck, C. Note on the substage diaphragm. J. R. Micr. Soc., Lond., 1932, **52**: 262–4.—**Diggins, B. A.** Oblique light diaphragm. U. S. Patent Off., 1940, No. 2,195,166.—**Gordon, J. W.** The use of a top stop for developing latent powers of the microscope. J. R. Micr. Soc., Lond., 1907, 1–13, 3 pl.—**Hallimond, A. F.** Production of contrast in the microscope image by means of opaque diaphragms. Nature, Lond., 1947, **159**: 851.—**Hauser, F., & Reinert, G.** Diaphragm system for microscope condensers. U. S. Patent Off., 1935, No. 1,988,946.—**Neumann, A.** Die Fadenschlitzblende; eine Vorrichtung zur Auszählung von kleinsten mikroskopischen Elementen. Klin. Wschr., 1924, **3**: 1839.—**Volkmann, R. v.** Ueber die Verwendung von Zentralblenden zur Verbesserung des mikroskopischen Bildes. Zschr. wiss. Mikr., 1928, **45**: 374–9.

MICROSCOPE heater [incl. incubator]

See also **Microscope**, Stage; **Micrurgy.**

Barnard, J. E., & Welch, F. V. An electrically-heated warm stage and compressor for use with high-power objectives. J. R. Micr. Soc., Lond., 1928, **48**: 379–81, pl.—**Brandt, R.** Ueber einen neuen, an jedes Mikroskop anzubringenden elektrischen Heizapparat. Zschr. wiss. Mikr., 1913, **30**: 479–84.—**Deschiens, R., Jouan, C., & Lamy, L.** Nouveau modèle d'étuve à microscope. Bull. Soc. path. exot., Par., 1944, **37**: 258–60. ——— Présentation d'une étuve à microscope. Ann. Inst. Pasteur, Par., 1945, **71**: 220–2.—**Eisenberg, K. B.** Ueber einen neuen heiz- und kühlbaren Mikroskopobjekttisch mit selbsttätiger Regulierung (für alle optischen Bedingungen der Beobachtung) Zbl. Bakt., 1. Abt., 1928, **107**: 315–20. ——— Ein elektrischer Heiztisch usw. Zschr. Immunforsch., 1931, **71**: 188.—**Enami, T., & Sen, H. S.** Kenbikyō kaon kōon-bako no kōzō. Keio igaku, 1943, **23**: 235–8.—**Friedel, G.** Modèle de four électrique pour le microscope. Rev. opt., Par., 1927, **6**: 34–7, illust.—**Gohar, M. A.** A box for microscopical examination at a constant temperature of 37° C. J. Egypt. M. Ass., 1930, **13**: 551–3.—**Gunther, F. A., & Turrell, F. M.** A simple and inexpensive heater for a microscope stage. Tr. Am. Micr. Soc., 1943, **62**: 207.—**Horner, W., & Wesselman, E.** Stage incubator for microscopes. U. S. Patent Off., 1948, No. 2,440,472.—**Lambeth, A. J.** A high-temperature furnace for use under the microscope. Austral. J. Sc., 1944–45, **7**: 118–20.—**Lauche, A.** Ein einfacher Mikroskop-Heizkasten. Zbl. allg. Path., 1922–23, **33**: 371–4.—**Leowenstein, E.** Electrically heated microscope stage. Chemist Analyst, 1937, **26**: 64–6.—**Lüdy-Tenger, F.** Der T. B.-Block und einige seiner Anwendungsmöglichkeiten. Pharm. acta helvet., 1947, **22**: 460–88.—**McHeffey, G. J., & Serkland, C. L.** An improvised microscope stage warmer. Bull. U. S. Army M. Dep., 1947, **7**: 485.—**Newman, T. H., & Waterfield, R. L.** A new warm stage for the microscope. Lancet, Lond., 1950, 1: 448.—**Petta, G.** Un modello semplicc di tavolino riscaldante. Riv. osp., 1925, **15**: 92.—**Puddington, I. E.** Note on a thermostatically controlled microscope hot stage. Canad. J. Res., 1944, **22**: Sect. B, 125.—**Schmidt, W. J.** Der neue, automatisch regulierende elektrische Heiztisch von E. Leitz. Zschr. wiss. Mikr., 1924, **41**: 335–42.—**Smith, J. L., & Mair, W.** A hot stage for the microscope, making it possible to obtain temperatures up to 200° C. Proc. Physiol. Soc., Lond., 1908–09, p. xvi.—**Stehli, G.** Die Selbstherstellung einer einfachen Wärmebank. Mikrokosmos, Stuttg., 1914–15, **8**: 151.—**Walker, G.** A new device for maintaining a uniform temperature of a warm stage for microscopic work. Anat. Rec., 1908–09, **2**: 432.—**Webb, R. A.** A simple warm stage for class purposes. J. Path. Bact., Lond., 1931, **34**: 279–82.—**White, C. P.** Apparatus for regulating the temperature of the warm microscopic stage. Proc. Physiol. Soc., Lond., 1908–09,

p. vi–viii.—**Zwirtz, J., & Thien, O.** Ueber einen neuen elektrisch heizbaren Objekttisch für Mikroskope. Zbl. Bakt., 1. Abt., 1906, **42**: 179–81.

MICROSCOPE illumination.

See also **Microscope condenser; Microscope illuminator; Microscope lamp; Microscopy,** Methods; **Microscopy, fluorescence.**

Akehurst, S. C. Some observations concerning sub-stage illumination. J. Quekett Micr Club, 1914, 2. ser., **12**: 301–8.—**Benford, J. R.** Improvements in microscope illumination. J. Optic. Soc. America, 1947, **37**: 642–7.—**Dempster, W. T.** Principles of microscope illumination and the problem of glare. Ibid., 1944, **34**: 695–710.—**Hauser, F.** Beleuchtung im durch- und auffallenden Licht. Zeiss. Nachr., 1939–40, 3. Folge, 19–34.—**Köhler, A.** Ueber die Verwendung des Quecksilberlichts für mikroskopische Arbeiten. Zschr. wiss. Mikr., 1910, **27**: 330–5.—**Lapeyre, F.** De l'éclairage du microscope pour l'obtention du pouvoir résolvant maximum. Bull. Soc. fr. micr., 1933, **2**: 39–42.—**Lemardeley, A.** De l'éclairage en microphotographie. Ibid., 1932, **1**: 51.—**Levy, F.** Ueber neuere Mikroskopierbeleuchtungen. Zschr. wiss. Mikr., 1914, **31**: 99–102.—**Oppermann, R. H.** Sodium light for microscopic flaw detection. J. Franklin Inst., 1942, **234**: 486.—**Rappaport, F., & Eppler, E.** Laboratory improvements in bacteriology. Acta med. orient., Jerusalem, 1944, **3**: 58.—**Savile, D. B. O.** Simple aids to microscope illumination. Stain Techn., 1936, **11**: 161–4.—**Suárez Soto, V.** La iluminación en microscopía. Bol. biol., Puebla, 1945, **4**: 7–11.—**Taylor, E. W.** Improved image illumination and contrast with the metallurgical microscope. J. R. Micr. Soc., Lond. (1945) 1947, **65**: 1–7, 3 pl.—**Vonwiller, P., & Demole, V.** Réflecteurs naturels et artificiels dans la microscopie sur l'animal vivant. C. rend. Ass. anat., 1925, **20**: 416–9.—**Werner, O.** Eine einfache Verbesserung für das Mikroskopieren bei künstlichem Licht. Zschr. wiss. Mikr., 1922, **39**: 297–9.

—— axial.

Hartley, W. G. Considerations affecting axial illumination. J. R. Micr. Soc., Lond., 1949, **69**: 143.—**Oettlé, A. G.** A rapid catoptric technique for recognizing axial illumination of the substage condenser. Ibid., 1947, **67**: 9–13.—**Osterberg, H., & Pride, G. E.** Effect of particle size on the diffraction image in microscopy with narrow-coned, axial illumination. J. Optic. Soc. America, 1950, **40**: 14–22.

—— bright-field.

Keining, E. Nachtrag zu meiner Arbeit über das Hoffmannsche Leuchtbildverfahren. Münch. med. Wschr., 1921, **68**: 458.—**Oelze, F. W.** Eine neue einfache Methode zur Erzeugung von Hellfeld-Bildern mittels Dunkelfeldkondensoren. Deut. med. Wschr., 1923, **49**: 1340.

—— critical.

Reid, D. J. Critical illumination in visual work with the microscope. J. Quekett Micr. Club, 1912–13, n. ser., **11**: 487–96.—**Waterman, H. C.** Notes on Belling's green-light method for critical microscopy. Stain Techn., 1934, **9**: 21.

—— dark-field.

See **Microscopy, darkfield.**

—— Filter.

Bissell, E. S. Microscope filter system. U. S. Patent Off., 1937, No. 2,083,820.—**Héros & Digaud, C.** Sur une solution colorée, à base de vert lumière, permettant de constituer des filtres sélectifs pour la vert, 5.300 A. Bull. Soc. fr. micr. 1937, **6**: 6–11.

—— Incident light.

See under **Microscopy.**

—— Köhler system.

See also **Microphotography.**

Copeland, D. E. A utilization of the Köhler system of illumination. Stain Techn., 1948, **23**: 9–11.—**Köhler, A.** Ein Glimmerplättchen Grau I; Ordnung zur Untersuchung sehr schwach doppelbrechender Präparate. Zschr. wiss. Mikr., 1921, **38**: 29–50. ——— Untersuchungen über das Verhalten einiger Kompensatoren (verzögernder Plättchen) bei einfarbigem und gemischtem Licht. Ibid., 209–36.

—— oblique.

Baker, J. R. A new method for oblique microscopical illumination. Q. J. Micr. Sc., Lond., 1948, **89**: 233–8.—**Hauser, F.** Microscope having a deviated path of imaging rays. U. S. Patent Off., 1935, No. 1,987,776.—**Luntley, J. L.** Lampe-projecteur pour l'éclairage oblique des objets opaques sur lame, ou pour dissection. Bull. Soc. fr. micr., 1938, **7**: 145.

—— polarized.

See **Microscopy, polarizing.**

—— Transmitted light.

See under **Microscope illuminator.**

MICROSCOPE illuminator.

See also **Microilluminator; Microscope condenser; Microscope illumination; Microscope lamp;** also under terms for special types of microscopy as **Microscopy, darkfield,** etc.

Bauersfeld, W. Illuminating device for microscopes. U. S. Patent Off., 1935, No. 1,995,599.—**Beck, W. A.** An illuminating device for microscopes. Tr. Am. Micr. Soc., 1923, **42**: 108–21.—**Benford, J. R.** Microscope illuminating device. U. S. Patent Off., 1944, No. 2,351,736. ——— Microscope illuminator. Ibid., No. 2,357,378. ——— & **Foster, L. V.** Microscope illuminator. Ibid., 1937, No. 2,103,230.—**Ellestad, G. A.** Microscope illuminator. Ibid., 1935, No. 2,004,806; 1936, No. 2,059,781.—**Fontana, A.** Tavolino illuminatore per microscopia. Gior. Accad. med. Torino, 1921, 4. ser., **27**: 76.—**Gage, S. H.** Artificial daylight for the microscope. Science, 1915, n. ser., **42**: 534–6.—**Gerstenberger, B., Hübschmann, M., & Richter, R.** Device for illuminating microscopic objects. U. S. Patent Off., 1940, No. 2,206,180.—**Gordon, J. W.** A new illuminator for the microscope. J. R. Micr. Soc., Lond., 1909, 417–21.—**Guttmann, E. S.** Microscope mounting with self contained illuminator. U. S. Patent Off., 1948, No. 2,448,974.—**Hall, L. B.** Illuminating device. Ibid., 1945, No. 2,373,559.—**Heine, H.** Illuminator attachment for microscopes. Ibid., 1937, No. 2,077,792, 2 pl. ——— Illuminating device for microscopes. Ibid., 1938, No. 2,130,493.—**Lihotzky, E.** Illuminating device for microscopes. Ibid., 1937, No. 2,097,494.—**Osterberg, H., & Schrader, H. S.** Microscope with special light modifiers. Ibid., 1947, No. 2,427,689.—**Richter, R.** Device for illuminating microscopic objects. Ibid., 1937, No. 2,078,586, 3 pl.—**Schmehlik, R.** Eine einfache Beleuchtungsvorrichtung zum Mikroskopieren. Mikrokosmos, Stuttg., 1913–14, **7**: 33–5.—**Scott, J. A.** An illuminator for the binocular dissecting microscope. Science, 1935, **81**: 595.—**Weise, R.** Der Leuchtkeil, ein einfaches Hilfsmittel zur Auflichtbeleuchtung für stärkste Mikroskopvergrösserungen. Zschr. wiss. Mikr., 1936, **53**: 201–4.

—— Opaque illuminator.

Becher, H. Ueber die Verwendung des Opak-Illuminators zu biologischen Untersuchungen nebst Beobachtungen an den lebenden Chromatophoren der Fischhaut im auffallenden Licht. Zschr. wiss. Mikr., 1929, **46**: 89–124, 2 pl.—**Hanna, G. D.** An illuminator for opaque objects. J. R. Micr. Soc., Lond., 1937, **57**: 11–4.—**Ramsthaler, P.** Ueber einen neuen Opakilluminator. Zschr. wiss. Mikr., 1937, **54**: 318–27.—**Schmidt, W. J.** Ueber die Untersuchung tierischer Hartsubstanzen mittels des Opakilluminators. Ibid., 1920, **37**: 101–19, 3 pl.

—— Transmitted light.

See also **Microilluminator; Micrurgy; Quartz rod.**

Akehurst, S. C. Method of illuminating Greenough binocular microscope by transmitted light with paired mirrors. J. R. Micr. Soc., Lond., 1928, **48**: 159, pl.—**Barta E.** Der Mikroilluminator. Zschr. wiss. Mikr., 1936, **52**: 276–92, 2 pl.—**Beck, C.** Microscope illumination with transmitted light. J. R. Micr. Soc., Lond., 1933, **53**: 1–8.—**Hoerr, N. L.** Illumination of living organs for microscopic study. In: Med. Physics (Glasser, O.) Chic., 1944, 625–7.—**Knisely, M. H.** A method of illuminating living structures for microscopic study. Anat. Rec., 1936, **64**: 499–524. ——— An improved fused quartz living tissue illuminator. Ibid., 1938, **71**: 503.—**Leiter, S. B.** Microscope illumination by means of quartz rod. J. Optic. Soc. America, 1925, **11**: 187.—**Patton, R. L.** A cool light for dissecting microscopes. Science, 1943, **98**: 392.—**Silverman, A.** A new illuminator for microscopes. J. Indust. Chem., 1917, **9**: 971; 1918, **10**: 1013–5. ——— Cold light for the microscope. Indust. Engin. Chem., 1925, **17**: 573.

—— vertical.

See also **Microscopy,** Incident light.

Hertzman, A. B. A simple, inexpensive, vertical illuminator for the student microscope. J. Laborat. Clin. M., 1940–41, **26**: 868.—**Ignatowsky, W.** Eine Beleuchtungseinrichtung für das Metallmikroskop. Zschr. wiss. Mikr., 1908, **25**: 434–8.—**Metzner, P.** Verbesserungen am Vertikalilluminator nach Beck. Ibid., 1937, **54**: 1–23, pl.—**Osterberg, H., & Harper, K. W.** Vertical illuminator for microscopes. U. S. Patent Off., 1944, No. 2,349,457.—**Preston, J. M.** A new top light illuminator. J. R. Micr. Soc., Lond., 1931, 3. ser., **51**: 115–8, 3 pl.—**Vonwiller, P.** La technique de la microscopie à éclairage vertical au service de l'histologie. C. rend. Ass. anat., 1924, **19**: 281–6, illust. ——— Ueber indirekte Beleuchtung in der Mikroskopie im senkrecht auffallenden Licht. Protoplasma, Lpz., 1927, **1**: 177–88.

MICROSCOPE lamp.

See also **Lamp; Microilluminator; Microscope illumination; Microscope illuminator.**

Ashley, L. M. A simple home-made microscope lamp. Turtox News, 1947, **25**: 28.—**Bender, O.** Ein einfacher Beleuchtungsapparat für Lupenpräparation und Mikroskopie. Zschr. wiss. Mikr., 1906, **23**: 35–8.—**Bräutigam, F.** Eine neue Mikroskopierlampe. Wien. klin. Wschr., 1919, **32**: 844.—**Carlson, J. G.** An inexpensive microscope lamp for critical illumination. Stain Techn., 1938, **13**: 97–100.—**Czurda, V.** Elektrische Beleuchtungsanlage für mikroskopische Uebungen. Zschr. wiss. Mikr., 1924, **41**: 259–61.—**Demeter, K. J.** Eine neue Mikroskopierlampe. Ibid., 1928, **45**: 473–5.—**Eversheim, P.** Die Bedeutung der neuen elektrischen Lampen bei wissenschaftlichen Arbeiten. Ibid., 1916–17, **33**: 354–60.—**Fitzpatrick, R. E.** An inexpensive lamp for the dissecting and research microscope. Stain Techn., 1941, **16**: 107–9.—**Förster, F. A.** Neue Mikroprojektionslampen. Zschr. wiss. Mikr., 1928, **45**: 455–9.—**Francis, V. J., & Jenkins, H. G.** Electric discharge lamps. J. R. Micr. Soc., Lond., 1944, **64**: 165.—**Höppener, G.** Die Halbwattlampe als Mikroskopierlampe; ein einfacher, leicht herstellbarer Beleuchtungsapparat. Mikrokosmos, Stuttg., 1914–15, **8**: 198–200.—**Ikeda, H.** Yo no kōan-seru kenbikyō kensa-yō syōmei sōti. Ika kikaigaku zassi, 1932–33, **10**: 458.—**Jenkins, C. E.** A new design of microscope lamp. J. Path. Bact., Lond., 1929, **32**: 340.—**Köhler, A.** Methoden zur Prüfung der Lichtbrechung von Flüssigkeiten für homogene Immersion und Beschreibung einer Mikroskopierlampe für Natriumlicht. Zschr. wiss. Mikr., 1920, **37**: 177–202.—**Lampe** à incandescence à bande de tungstène pour travaux microscopiques. Rev. opt., Par., 1929, **8**: 177.—**Lavin, G. I.** A multiple light source microscope. Science, 1946, **104**: 61.—**Lee, T. G.** An improved electric microscope lamp, with demonstration. Anat. Rec., 1914, **8**: 127.—**Lehmann, E.** Drei praktische Mikroskopierlampen. Zschr. wiss. Mikr., 1926, **43**: 246–8.—**Levin, I.** An inexpensive light source for use with the microscope. Chemist Analyst, 1940, **29**: 21.—**Lossen, F.** Mikroskopdurchleuchter mit Glühlampe für Projektion und Photographie. Zschr. wiss. Mikr., 1930, **47**: 318–21.—**Michel, A.** Eclairage au microscope par un système simple et avantageux de petites lampes électriques. C. rend. Soc. biol., 1924, **90**: 1000–2.—**Mudge, C. S.** A light switch for the microscope. J. Bact., Balt., 1927, **13**: 223–6.—**Parsons, H. H.** A practical lamp for the microscope. California West. M., 1936, **45**: 62.—**Perruche, L.** Une bonne source lumineuse pour la microphotographie; la lampe à arc de mercure de MM. Maurice Billy et Félix Trombe. Bull. Soc. fr. micr., 1934, **3**: 112–5, pl.—**Reinders, E.** Eine Mikroskopierlampe. Zschr. wiss. Mikr., 1929, **46**: 136–9.—**Rosenberg, P.** Eine neue Universal-Mikroskopierlampe für Hell- und Dunkelfeld. Münch. med. Wschr., 1923, **70**: 774.—**Scheminzky, F.** Ueber eine Universalmikroskopierlampe für Laboratorium und Reise. Zschr. wiss. Mikr., 1923, **40**: 258–70.—**Schreiber.** Eine neue Mikroskopierlampe für Beobachtung bei künstlichem Tageslicht. Münch. med. Wschr., 1935, **82**: 1407.—**Semichon, L.** Les lampes tungstène-crypton et l'éclairage des microscopes. Bull. Soc. fr. micr., 1937, **6**: 46.—**Sikl, H.** Nová lampa k mikroskopu. Cas. lék. česk., 1921, **60**: 349.—**Studnička, F. K.** Eine Lampe zum Mikroskopieren. Zschr. wiss. Mikr., 1923, **40**: 359–61.—**Thuringer, J. M.** Microscope lamps for classroom work. Anat. Rec., 1928, **38**: 189–92.—**Troester, C.** Eine neue Mikroskopierlampe. Zbl. Bakt., 1. Abt., 1907, **45**: Orig., 574.—**Tuma, V.** Démonstration d'une petite microlampe économique. C. rend. Ass. anat., 1932, **27**: 609.—**Voss, G.** Eine neue Mikroskopierlampe. Zschr. wiss. Mikr., 1914, **31**: 464.—**Walsem, G. C. v.** Unsere Bunsensche Lampe. Ibid., 1919, **36**: 157–9.—**Waterman, H. C.** A microscope lamp especially designed for the Belling method. Stain Techn., 1935, **10**: 113–26.—**Welch, F.** A microscope lamp. J. R. Micr. Soc., Lond., 1930. 3. ser., **50**: 34–7, pl.—**Wishart, G., & Stovell, T. H.** A portable light for a dissecting microscope. Science, 1948, **108**: 46.—**Wolff, M.** Ueber eine neue Bogenlampe für mikro- und makro-photographische Arbeiten. Zschr. wiss. Mikr., 1911, **28**: 300–20. ——— Ueber die neue Geigersche Mikroskopierlampe. Ibid., 1912, **29**: 328–35.—**Wrighton, H.** A new light source for microscopy. J. R. Micr. Soc., Lond., 1937, **57**: 260, pl.—**Wychgram, E.** Eine neue Schwachstromlampe für Mikrozwecke. Zschr. wiss. Mikr., 1913, **30**: 203–5.

—— Slit lamp.

See also **Microscope, corneal; Microscopy, ophthalmologic; Slit lamp; Spectroscope.**

Bell, W. O. Practical use of the slit lamp. Tr. Pacific Coast Oto Ophth. Soc., 1926, **14**: 107–12, pl.—**Bettman, J. W., & McNair, G. S.** A portable slitlamp. Am. J. Ophth., 1941, **24**: 1190–2.—**Dekking, H. M.** Selbsthergestellte Instrumente; Handspaltlampe. Ophthalmologica, Basel, 1942, **106**: 331.—**Diagnostic** value of the slit lamp. Bull. Pract. Ophth., S. Franc., 1942, **12**: 67.—**Dias, J. F., jr.** An inexpensive slit lamp. Arch. Ophth., Chic., 1941, **26**: 1063–5. ——— Field construction of a slit lamp. Med. Bull. North Afr. Theater U. S., 1944, **2**: 59–61.—**Dispositif** de microscopie oculaire des docteurs Lemoine et Valois; lampe sténopéique. Rev. opt., Par., 1928, **7**: 408–14.—**Fertsch, F.** Zur Entwicklung der Spaltlampe. Zschr. ophth. Optik, 1942, **30**: 1–11.—**Harry, P. A.** The eye; the slit lamp. Prescriber, Edinb., 1931, **25**: 385.—**Heinz, K,** Die Schmalfilmkamera an der Spaltlampe. Klin. Mbl. Augenh., 1940, **104**: 246.—**Improvised** slit lamp. Bull. U. S. Army M. Dep., 1945, No. 84, 28.—**Kopp, I. F.** Novaya model ruchnoi shchelevoi lampy. Vest. oft., 1947, **26**: No. 6, 37.—**Krimsky, E.** A featherweight slit-lamp. Tr. Am. Acad. Ophth. Otolar., 1938, **43**: 406–8. ——— Portable slit lamp and its clinical value. Arch. Ophth., Chic., 1942, **30**: 263–5. ——— A new hand slit lamp. Tr. Am. Acad. Ophth. Otolar., 1948–49, **53**: 357.—**Lemoine & Valois.** Une nouvelle lampe à fente à lumière homogène. Bull. Soc. fr. opht., 1933, **46**: 159–62.—**Mayou** (The) slit-lamp. Brit. J. Ophth., 1927, **11**: 337.—**Minsky, H.** The linear-streak lamp, pocket slit lamp. Am. J. Ophth., 1942, **25**: 74–82.—**Mulock Houwer** [Goldmann's slit-lamp] Geneesk. tschr. Ned. Indië, 1940, **80**: 377.—**Portable** slit lamp. Bausch & Lomb Mag., 1949, **25**: No. 3, 18.—**Ribas Valero, R.** Hendidura estenopéica. Arch. Soc. oft. hisp. amer., 1946, **6**: 384–409.—**Schoger, A.** Eine verbesserte Spaltlampe. Arch. ges. Physiol., 1939–40, **243**: 94.—**Stein, L.** Flexible cable slit control for biomicroscope. Am. J. Ophth., 1948, **31**: 1166–8.—**Stenström, S.** Demonstration av skiaskoperingsram av ny modell; spaltlampa för allmänpraktiker. Nord. med., 1947, **33**: 571.—**Young, M. N.** Field construction of an improved slit lamp and chin rest. Mil. Surgeon, 1946, **99**: 134–6.

MICROSCOPE lens.

See also **Lens (optical) Microscope condenser;** also under names of special types of microscopy.

Baud, C. A., & Locquin, M. L'abaissement du pouvoir réflecteur des surfaces optiques et son intérêt en microscopie. Bull. histol. appl., Lyon, 1948, **25**: 139–41.—**Berner, L.** Protection of microscope lens from fungus. Trop. M. News, N. Orl., 1945, **2**: 15.—**Gardner, I. C., & Case, F. A.** The lateral chromatic aberration of apochromatic microscope systems. Rev. Sc. Instrum., 1931, n. ser., **2**: 416–28.—**Heusner, H. L.** Ein neuer Behälter zum Aufheben der Objektivträger. Münch. med. Wschr., 1915, **62**: 1608.—**Rhumbler, L.** Vorschlag zur besseren äusserlichen Kenntlichmachung mikroskopischer Linsensysteme. Zschr. wiss. Mikr., 1934–35, **51**: 352–60.

—— Correlation of objective and ocular.

Foster, L. V. The correlation of microscope objectives and eyepieces. J. Biol. Photogr. Ass., 1934, **2**: 140–50.—**Guilloz, T.** Sur la relation qui doit exister entre le numéro de l'oculaire, le numéro de l'objectif et son ouverture numérique pour pouvoir bénéficier dans l'observation microscopique de tout le pouvoir séparateur de l'instrument. C. rend. Soc. biol., 1905, **58**: 730–2. ——— Le champ dans l'observation microscopique déduit des numéros dioptriques de l'objectif et de l'oculaire. Ibid., **60**: 490–2.

—— electron.

See under **Microscopy, electron.**

—— Numerical aperture.

Foster, L. V. The intelligent use of numerical aperture. J. Biol. Photogr. Ass., 1939–40, **8**: 60–8. 2 pl.—**Hartridge, H.** The measurement of working aperture. J. R. Micr. Soc., Lond., 1913, pt 4, 363.—**Horsfall, R. B., jr.** Measurement of numerical aperture. Tr. Am. Micr. Soc., 1942, **61**: 297–301.—**Metz, C.** Apertometer für Trockensysteme und Oelimmersionen. Zschr. wiss. Mikr., 1920, **37**: 53.—**Metzner, P.** Einfache Methode der Aperturbestimmung an Immersionsobjektiven. Ibid., 203–5.—**Nelson, E. M.** An improved form of Cheshire's apertometer. J. Quekett Micr. Club, 1914, 2. ser., **12**: 281.—**Neuweiler, N. G.** Die Bestimmung der numerischen Apertur von Trockenobjektiven. Zschr. wiss. Mikr., 1938–39, **55**: 217–9.

—— Objective.

Ainslie, M. A. An addition to the objective. J. Quekett Micr. Club, 1915, **12**: 561–76.—**Bennett, A. H.** The development of the microscope objective. J. Optic. Soc. America, 1943, **33**: 123–8.—**Drew, R. L.** Flat-felded reflecting microobjectives. Nature, Lond., 1949, **164**: 360.—**Foster, L. V.** Microscope objectives and a new stereo-polarizer. J. Bact., Balt., 1942, **43**: 116.—**Gallasch, G. P., & Kurtz, H. F.** Objective mount. U. S. Patent Off., 1937, No. 2,093,605.—**Grey, D. S.** A new series of microscope objectives; preliminary investigation of catadioptric Schwarzschild systems. J. Optic. Soc. America, 1949, **39**: 723–8. ——— & Lee, P. H. A new series of microscope objectives; catadioptric Newtonian systems. Ibid., 719–23.—**Günther, H.** Neue Objektive. Mikrokosmos, Stuttg., 1914–15, **8**: 161.—**Ma'assez, L.** Sur la notation des objectifs microscopiques. Tr. Laborat. histol. Coll. France (1904) 1905, 291–371. Also C. rend. Soc. biol., 1906, **61**: 669–71.—**Objective** screw thread. J. R. Micr. Soc., Lond., 1915, pt 3, 230.—**Oelze, F. W.** Neuere Universalobjektive für Hell- und Dunkelfeldbeleuchtung. Derm. Wschr., 1928, **86**: 760.—**Ott, H. N.** Means for centering microscope objectives. U. S. Patent Off., 1940, No. 2,195,657.—**Ramsthaler, P.** Zur Geschichte der Mikroskopobjektive. Schweiz. Zschr. Optik, 1947, **23**: 26–9. ——— Ueber Mikroskopobjektive mit ebenem Bildfeld. Ibid., 1948, **24**: 12–6.

—— Objective: Aberrations and corrections.

Boegehold, H. Die Verbesserung des Bildfeldes der Mikroskopobjektive (Planachromate) Zschr. wiss. Mikr., 1938–39, **55**: 17–25. 3 pl.—**Clay, R. S., & Court, T. H.** The early achromatic objective; a further note. J. R. Micr. Soc., Lond., 1935, **55**: 95–8.—**Cruickshank, F. D.** The trigonometrical correction of microscope objectives. J. Optic. Soc. America, 1946, **36**: 296–8.—**Foster, L. V., & Thiel, E. M.** An achromatic ultraviolet microscope objective. Ibid., 1948, **38**: 689–92.—**Kingslake, R.** The measurement of the aberrations of a microscope objective. Ibid., 1936, **26**: 251–6.—**Stuhlman, O., jr.** Microscope objective corrections. In his Introd. Biophysics, N. Y., 1943, 320–8.—**Van Heurck, H.** L'objectif apochromatique à verres durs de M. Carl Reichert. Ann. Soc. belge micr., 1900–06. **27**: 39–42.

—— Objective, adjustable.

Bauersfeld, W. Adjusting device for a pair of objectives of binocular microscopes. U. S. Patent Off., 1934, No. 1,975,629.—**Bracey, R. J.** A universal tube-length and coverglass correcting lens system for use with microscope objectglasses. J. R. Micr. Soc., Lond., 1931, **51**: 20-3.

—— Objective: Magnification and evaluation.

Crozant, L. de. Nouvelles formules pour la détermination des grossissements utiles minima et maxima des objectifs de microscope. Bull. Soc. fr. micr., 1936, **5**: 8–17.—**Malassez, L.** Sur le pouvoir grossissant des objectifs microscopiques; sa définition. Tr. Laborat. histol. Coll. France (1905–06) 1907, **22**: 36; 42; 94. ——— Evaluation de la puissance des objectifs microscopiques. C. rend. Acad. sc., 1906, **142**: 773–5.—**Nelson, E. M.** On the measurement of the initial magnifying powers of objectives. J. Quekett Micr. Club, 1914, 2. ser., **12**: 295–300.—**Osterberg, H., & Wilkins, J. E., jr.** The resolving power of a coated objective. J. Optic. Soc. America, 1949, **39**: 553–7.—**Osterberg, H., & Wissler, F. C.** The resolution of two particles in a bright field by coated microscope objectives. Ibid., 558–66.—**Ramsthaler, P.** Ueber die Berechnung von Mikroskopobjektiven. Schweiz. Zschr. Optik, 1948, **24**: 24; passim.—**Siadbei, G.** Sur la méthode de Hartmann pour l'étude des objectifs. Rev. opt., Par., 1927, **6**: 257–63.

—— Objective: Working distance.

Deflandre, G. Augmentation de la distance frontale des objectifs de microscopes. Bull. Soc. fr. micr., 1936, **5**: 150–4. ——— Procédé pratique d'augmentation de la distance frontale des objectifs de microscopes. C. rend. Acad. sc., 1936, **203**: 1242–4.—**Dyson, J.** A unit-magnification optical system with long working distance for microscopical applications. Nature, Lond., 1949, **163**: 400.—**Long** working distance microscope objective for photographic emulsion work. Europ. Sc. Notes, 1950, **4**: 29.—**Malassez, L.** Evaluation des distances foco-faciales des objectifs microscopiques. C. rend. Acad. sc., 1906, **142**: 926. Also Tr. Laborat. histol. Coll. France (1905–06) 1907, **22**: 97–9.—**Wilson, D. P.** Note on a method of obtaining long working distances with low-power objectives. J. R. Micr. Soc., Lond., 1927, **47**: 335–7.

—— Ocular.

See also **Microscope, comparison; Microscopy, polarizing; Microspectroscope.**

Healy, D. J. A comparison ocular. J. Am. M. Ass., 1913, **61**: 1958.—**Kaufmann.** Neues Okular von starker Vergrösserung und grossem Gesichtsfeld für Mikroscope. Verh. Deut. Kongr. inn. Med., 1912, **29**: 287–9.—**Lane, G. R.** Coating of microscope eyepiece lenses. Nature, Lond., 1949, **164**: 452.—**Langeron, M. C. P.** Oculaires. In his Précis d. micr., 7. éd., Par., 1949, 97–104.—**Nelson, E. M.** Eye-pieces for the microscope. J. R. Micr. Soc., Lond., 1907, pt 5, 525–31; 1908, pt 2, 146–9.—**Offutt, E. P.** A new ocular disc of special usefulness in medical parasitology. Proc. N. York Ass. Pub. Health Laborat., 1949, **29**: 4.—**Ott, H. N.** Adjustable microscope eyepiece mounting. U. S. Patent Off., 1948, No. 2,439,526.—**Schmidt, W. J.** Zur Geschichte des dichroskopischen Okulars. Zschr. wiss. Mikr., 1934–35, **51**: 369.—**Stempel, W. M.** An empirical approach to lens designs; the Huygens eyepiece. J. Optic. Soc. America, 1943, **33**: 278–92.

—— Ocular, compensating.

Ashcar, H., & Beck, E. Novo dispositivo para correção do astigmatismo do microscopista; ocular complementar de microscópio. Hospital, Rio, 1949, **36**: 279–84.—**Hartridge, H.** Eye-pieces with adjustable compensation. J. R. Micr. Soc., Lond., 1919, 15–9.—**Metz, C.** Neue Okulare zur Ebnung der Gesichtsfelder der Apochromate. Zschr. wiss. Mikr., 1920, **37**: 45–52, pl.—**Pauly, A.** Ein einfaches Kompensatorokular. Ibid., 1906, **23**: 38–41.

—— Ocular: Pointer and measurer.

See also **Micrometry, Instruments.**

Bazin, H. Réseau oculaire pour le dessin, la mensuration et la numération microscopiques. Bull. Soc. path. exot., Par., 1919, **12**: 135.—**Jarocki, A. I.** O neobkhodimosti snabzhat okulyari mikroskopov nityami; k metodikie nablyudeniya i schota bakteriy i kletok. Russ. vrach, 1912, **11**: 464–6. Also S. Petersb. med. Zschr., 1912, **37**: 197–9.—**Jędrzejowski, Z., & Swiątkiewicz, W.** [Practical method of inserting the pointer into the microscope] Lek. wojsk., 1936, **27**: 699.—**Naumann, E.** Ein einfaches Zeigerokular. Zschr. wiss. Mikr., 1918, **35**: 248.—**Utermöhl, H.** Unzulänglichkeiten bei den bisherigen Einteilungen des mikroskopischen Gesichtsfeldes und ihre Beseitigung durch das Zählstreifen-Okular. Ibid., 1927, **44**: 466–70.

—— Resolving power [and magnification of microscope]

See also **Microscope, History; Microscopy, electron; Microscopy, fluorescence;** also **Microscopy, Theory.**

Arnulf, A. La théorie de la limite de visibilité par le microscope. Bull. Soc. fr. micr., 1939, **8**: 63–95.—**Auwers, O. v., & Vahlen, T.** Zur Ueberschreitung der Grenze des lichtmikroskopischen Auflösungsvermögens. Forsch. & Fortschr., 1942, **18**: 291.—**Bayard, A.** Un curieux procédé pour la résolution des diatomées. Bull. Soc. fr. micr., 1932, **1**: 40–2.—**Beck, C.** Notes on resolution. J. R. Micr. Soc., Lond., 1921, pt 4, 373–7.—**Berek, M.** Betrachtungen zur Darstellung des Abbildungsvorganges im Mikroskop und zur Frage des Auflösungsvermögens im Hellfeld und Dunkelfeld. Zschr. wiss. Mikr., 1924, **41**: 1–15.—**Cheshire, F. J.** Notes on some focometric apparatus. J. R. Micr. Soc., Lond., 1914, pt 6, 513–9.—**Coleman, H. S., & Harding, S. W.** A method for making precise resolution measurements. J. Optic. Soc. America, 1947, **37**: 263–71.—**Jentzsch, F.** Grenzen der Mikroskopie, Beginn der Molekularoptik. Zschr. wiss. Mikr., 1930, **47**: 145–71.—**Johnson, B. K.** Some introductory experiments dealing with a quantitative method of determining the resolving power of microscope objectives. J. R. Micr. Soc., Lond., 1928, **48**: 144–58, 2 pl.—**Kazmaier, H.** Ueber die Grenzen der mikroskopischen Sichtbarkeit. Röntg. Photogr., Stuttg., 1948–49, **2**: 53–8.—**Köhler, A.** Abbildung und Auflösungsvermögen im Mikroskop. Zeiss Nachr., 1939–40, 3. Folge, 2–19. ——— Zur Tiefenschärfe des Mikroskops. Ibid., 1944–49, 5. Folge, 158–63.—**Lapeyre, F.** Pouvoir séparateur du microscope. Bull. Soc. fr. micr., 1933, **2**: 61–6.—**Leitz, E.** The resolving power of the microscope. Lancet, Lond., 1911, **2**: 253.—**Luntz, J.** Systèmes optiques pour les examens aux limites de la visibilité. Bull. Soc. fr. micr., 1933, **2**: 35–9.—**Markbreiter, I.** [Magnification by microscope, especially its relation to refraction and accommodation] Gyógyászat, 1938, **78**: 366.—**Merling-Eisenberg, K. B.** Further observations on the limits of resolution and visibility of the microscope. J. Quekett Micr. Club, 1937, **1**: 311–23, 2 pl.—**Morley, E. W.** On the limits of accuracy in measurements with the microscope. Proc. Am. Acad. Arts Sc., 1878–79, n. ser., **6**: 164–7.—**Nelson, E. M.** On the limits of resolving power for the microscope and telescope. J. R. Micr. Soc., Lond., 1906, pt. 5, 521–31.—**Ott, H. N.** Means for improving the available resolving power of microscopes. U. S. Patent Off., 1939, No. 2,182,499.—**Sliusarev, G. G.** [Calculations of optical systems] Priroda, 1937, **26**: 12–24.—**Urech, C.** Le grossissement des microscopes modernes. Schweiz. Drogist. Ztg, 1949, **49**: 65–8.—**Wright, F. E.** The contrast sensibility of the eye as a factor in the resolving power of the microscope. J. Optic. Soc. America, 1919, **2**:–**3**: 101–7.

—— Test object.

See also **Micrometry.**

Barnard, J. E., & Welch, F. V. The resolution of Amphipleura pellucida. J. R. Micr. Soc., Lond., 1932, **52**: 121, pl.—**Coleman, H. S., & Clark, D. G.** The production and calibration of Foucault test objects of various contrasts. J. Optic. Soc. America, 1947, **37**: 272–4.—**Comparateur** optique à microscopes. Rev. opt., Par., 1927, **6**: 487–90, illust.—**Goosmann, C.** Test objects for the microscope. Cincinnati J. M., 1948, **29**: 511–3.—**Hamly, D. H., & Watson, J. H. L.** Electron and optical microscope interpretation of the wall of Pleurosigma angulatum. J. Optic. Soc. America, 1942, **32**: 433–42.—**Mallock, A.** Test-plates for microscopes and microscopic definition. Nature, Lond., 1922, **109**: 205.—**Martin, L. C.** Some experimental rulings by the late Mr. H. J. Grayson. J. R. Micr. Soc., Lond., 1938, **58**: 239–43, pl.—**Stigmatomètre** (Le) nouvel pour la vérification des objectifs de microscope. Rev. opt., Par., 1927, **6**: 134–9, illust.—**Swatman, C. C.** The technique of diatom cleaning. J. Quekett Micr. Club, 1937, **1**: 333–40.—**West, T.** Nobert's test-lines. Recreat. Sc., Lond., 1860, **1**: 333–5.

MICROSCOPE slide.

See also **Microscopy** subdivisions (Record of observations; Specimen preparation) **Microsection; Microtomy; Mounting;** also such headings as **Blood picture,** Technic; **Histology,** Methods, etc.

Hinterberger, A. Wie kann man absolut reine oder auch beschickte Deckgläser transportieren, Zschr. wiss. Mikr., 1907, **24**: 145–7.—**Littman, M. L.** A special microslide for

culture of fungi. Am. J. Clin. Path., 1949, **19**: 278–83.—**Martin, A.** Zur Geschichte des Objektträgers und der Herstellung mikroskopischer Präparate. Zschr. wiss. Mikr., 1927, **44**: 212–4.—**Nagel, A.** Ein Verfahren zur quantitativen Wiedergewinnung von Deckgläsern und Objektträgern aus unbrauchbaren mikroskopischen Präparaten. Ibid., 1933, **50**: 181–4.—**Oliver, W. H., jr.** Microscopic slide. U. S. Patent Off., 1944, No. 2,351,282.—**Pignatari, R.** Dei vetri copri-oggetti azzurri. Monit. zool. ital., 1911, **22**: 204.—**Porter, H. M.** Microscope slide. U. S. Patent Off., 1937, No. 2,090,914.

—— Cabinet, and tray.

Radasch, H. E., & Fanz, J. I. An adjustable slide basket. Anat. Rec., 1917, **13**: 227–32.—**Tyzzer, E. E.** The application of the card-cabinet system in the storage of microscopical slide-preparations. J. Med. Res., 1907–08, **16**: 219–21.—**Wachenfeld, S. v.** Ein neuer Kasten zum Aufbewahren von mikroskopischen Präparaten. Zschr. wiss. Mikr., 1926, **43**: 396–9.

—— Cell chamber.

See also **Microculture; Micrurgy.**

Bennett, A. H. Microscope and counting chamber therefor. U. S. Patent Off., 1948, No. 2,435,952.—**Bigger, J. W., Thomas, G. E., & Caldwell, W. G. D.** A modified slide cell. J. Path. Bact., Lond., 1944, **56**: 266–9.—**Chambre** claire pour microscope. Rev. opt., Par., 1933, **12**: 179–83.—**Fonbrune, P. de.** Constitution d'une chambre à huile. In his Techn. micromanip., Par., 1949, 130–47. ——— Conditions de survie dans la chambre à huile; microcultures. Ibid., 135–7, illust.—**Langeron, M. C. P.** Chambers claires propres dites. In his Précis d. micr., 7. éd., Par., 1949, 140–5, illust.—**Naumann, E.** Zwei neue Typen von Planktonkammern. Zschr. wiss. Mikr., 1922, **39**: 163.—**Péterfi, T.** Die heizbare feuchte Kammer. Ibid., 1927, **44**: 296–308.—**Richter, K. M.** An improved moist chamber slide for use in micromanipulation. Science, 1948, **108**: 192.—**Riepert, H.** Cooling chamber for microscopes. U. S. Patent Off., 1941, No. 2,234,578.—**Watts, R. H.** A simply constructed cell-chamber for the micro-observation of thick tissues. Turtox News, 1949, **27**: 269.—**Weygand, C.** Cooling chamber for microscopes. U. S. Patent Off., 1941, No. 2,232,354.

—— Cleaning.

Gage, S. H. Cleaning slides and covers for dark-field work. Tr. Am. Micr. Soc., 1922, **41**: 56.—**Gordon, H.** A simple apparatus for cleaning coverslips. J. Laborat. Clin. M., 1931, **17**: 190–2.—**Miller, H. F.** A note on slide cleaning. Am. J. M. Techn., 1939, **5**: 188.—**Snieszko, S. F.** Detergents and staining of bacteria. Gradwohl Laborat. Digest, 1942–43. **6**: No. 8, 9.—**Spencer, G. J.** A cheap and speedy method of cleaning old microscope slides. Science, 1946, **103**: 456.—**Walsem, G. C. v.** Die Reinigung der Objektträger. Zschr. wiss. Mikr., 1925, **42**: 438.—**Wyant, Z. N.** Cleaning used slides and cover glasses. Am. J. Clin. Path., 1947, **17**: 917.

—— Coverslip.

Alberico, A. M. A method employing ethyl chloride for the removal of broken coverglasses. Turtox News, 1947, **25**: 144.—**Brookover, C.** Celluloid covers for large microscopic slides. Tr. Am. Micr. Soc., 1914, **33**: 56.—**Busse, R. W.** Cover slip. U. S. Patent Off., 1944, No. 2,342,918.—**De Angelis, E.** The use of plastics to replace cover glasses in microscope slide preparations. J. Laborat. Clin. M., 1945, **30**: 469–71.—**González Ancira, E.** Un dispositivo que sustituye la lámina cubre-objetos. Medicina, Méx., 1943, **23**: 177.—**Jochims, J.** Ein neues Deckglas zur Ausführung mikrochemischer Reaktionen in der Zeiszschen Quarzkammer. Zschr. wiss. Mikr., 1927, **44**: 214–6.—**Moore, R. A.** Glass cover slips. J. Techn. Meth., Toronto, 1940, **20**: 4.—**Müller, H.** [Easily obtainable cover-glasses] Geneesk. tschr. Ned. Indië, 1938, **78**: 44.—**Pará, M.** The application of a processed glue as a substitute for glass coverslips in histologic technique. J. Laborat. Clin. M., 1944, **29**: 1294–9.—**Petroff, S. A.** A useful coverslip holder. Ibid., 1930–31, **16**: 314.—**Pons, C. A.** Cellophane cover slips. Am. J. Clin. Path., Techn. Sect., 1942, **6**: 57.—**Prevost, J. V.** Cellophane coverslips for microscopic mounts. U. S. Nav. M. Bull., 1942, **40**: 721.—**Richards, O. W., Small, J. H., & Collyer, P. W.** Microscopy with plastic substitutes for cover glasses. Stain Techn., 1944, **19**: 59–62.—**Russell, W. O.** Plastic cover slips; a critical evaluation. J. Techn. Meth., Toronto, 1942, No. 22, 65–70. Also Canad. J. M. Techn., 1943, **5**: 13–6.—**Shortage** of microscopic slide cover glasses. Gradwohl Laborat. Digest, 1940–41, **4**: No. 6, 5.—**Tierney, C.** Thin glass for microscope cover-slips. Nature, Lond., 1941, **148**: 86.—**Weller, C. V.** Some substitutes for glass for covering microscopical sections, gelatin, pyralin. Bull. Internat. Ass. M. Mus., Ann Arb., 1916, 58–60.

—— Holder.

See also **Microscope,** Accessories; **Microscopy,** Accessories.

Boenig, H. Ein einfacher Objektführer. Zschr. wiss. Mikr., 1928, **45**: 40–5.—**Eckler, C. R.** Slide holder and protector for the G. S. & E. warming stage. J. Laborat. Clin. M., 1915, **1**: 191–4. Also Lilly Sc. Bull., 1917, No. 8, 293–6.—**Heimstädt, O.** Objektträger für Untersuchungen bei Dunkelfeldbeleuchtung. Zbl. Bakt., 1. Abt., 1925, Orig., **96**: 175.—**Pepper, W.** A cover-slip holder. J. Am. M. Ass., 1908, **50**: 122.—**Radasch, H. E.** A slideholder for serial work. Anat. Rec., 1909, **3**: 114–6.—**Wagoner, G. W.** Adjustable, multiple cover glass and slide holder. J. Am. M. Ass., 1921. **77**: 1423.—**Wolff, M.** Ein Objekthalter für Zeiszsche anastigmatische Doppellupen. Zschr. wiss. Mikr., 1914, **31**: 380–3.

—— Labeling and cataloging.

See also **Microscopy,** Record of observations.

Ebersole, J. B. An improved method for attaching paper labels to slides. Stain Techn., 1948, **23**: 220.—**Fishback, H. R., & Gregersen, A.** A permanent method of labelling microscope slides. Am. J. Clin. Path., 1939, **9**: Suppl., 134–6.—**Nesbit, R. M., & Baum, W. C.** A slide catalogue and file system for the urologist. Urol. Cut. Rev., 1949, **53**: 522–30.—**Otis, C. H.** Labeling of microscopical slides in staining technique. Science, 1918, n. ser., **47**: 219.—**Reynolds, E. S.** Labeling microscopic slides. Ibid., 1913, n. ser., **38**: 363.—**Sahni, B.** Permanent labels for microscope slides. Current Sc., Bangalore, 1941, **10**: 485.

—— Mounting.

See under **Microscopy,** Specimen preparation.

—— Vibrator.

Ardenne, M. v. Der Objektträger-Vibrator, ein neues Hilfsgerät der Uebermikroskopie und Mikroskopie. Kolloid Zschr., 1940, **93**: 158–63.

MICROSCOPIC anatomy.

See **Anatomy; Cytology; Histology; Morphology.**

MICROSCOPIST.

See also **Microscope,** History; **Microscopy,** History; also such terms as **Histology; Pathologist; Tissue explantation,** etc.

Brocher, F., & Doret, F. Le travail au microscope et l'accommodation: l'oeil, le microscope, la chambre-claire et . . . l'observateur. Rev. méd. Suisse rom., 1911, **31**: 666–72.—**Dannemann, F.** Die Entdeckungen der ersten grossen Mikroskopiker. In his Werden naturwiss. Probl., Lpz., 1928, 220–2.—**Dock, W.** The lure of medical history; Malpighi and Leeuwenhoek; the early microscopists. California West. M., 1928, **29**: 333.—**Krauss, W. C.** The need of a trained microscopist in every community. Tr. M. Ass. Central N. York, 1906, **13**: 79–87. Also Buffalo M. J., 1906–07, **62**: 715–23.—**Locy, W. A.** Malpighi, Swammerdam and Leeuwenhoek. Pop. Sc. Month., 1900–01, **58**: 561–84.—**Maxwell, E. K.** The amateur microscopist during wartime. J. Quekett Micr. Club, 1919, 2. ser., **14**: 63–72.—**Morales, L. M.** Médicos, technólogos médicos, y microbios. Bol. As. méd. Puerto Rico, 1941, **33**: 335–9.—**Rooseboom, M.** Some notes upon the life and work of certain Netherlands artificers of microscopic preparations at the end of the XVIII. century and the beginning of the XIX. Janus, Leiden, 1940, **44**: 24–44, 2 pl.—**Schürhoff, P. N.** Aus der Geschichte des Mikroskops: Wilhelm Friedrich von Gleichen, genannt Russworm. Mikrokosmos, Stuttg., 1926–27, **20**: 25–8.

—— Accessories.

Kellert, E. An eye-shade for use with the microscope. J. Am. M. Ass., 1916, **66**: 1023.—**Plaut, A.** Eyeglasses to be used with the binocular microscope. J. Laborat. Clin. M., 1942–43, **28**: 756.—**Shattock, S. G.** An adaptable eye shade for microscopic use. Brit. M. J., 1915, **2**: 504.

—— Health, and occupational hazards.

See also under names of diseases of the eye; also such terms as **Eye refraction; Eyestrain; Retinal detachment,** etc.

Druault, A. Troubles de la vision survenant après l'usage du microscope. Ann. ocul., Par., 1940, **179**: 138–42.—**Gräper, L.** Sehstörungen beim monokularen Mikroskopieren. Med. Welt, 1927, **1**: 680.—**Gutzeit, R.** Zur Augenpflege des mikroskopierenden Biologen. Zbl. ges. Hyg., 1942–43, **50**: 561 (Abstr.)—**Walsem, G. C.** Zur Hygiene des Mikroskopikers. Zschr. wiss. Mikr., 1926, **43**: 112–5.

MICROSCOPY.

See also **Cytology,** Technic; **Histology,** Technic; **Microbiology; Microcinematography; Microculture; Microdissection; Microgeometry; Micrography; Microincineration; Micromanipulator; Micrometry; Micropathology; Microphotography; Microprojector; Microscope; Microscopist; Mi-**

crosection; Microtechnic; Microtomy; Micrurgy; also such terms as **Hematology; Pathology,** etc.

BROWN, L. H. The new deal in microscopy. 20p. 14cm. N. Y., 1934.

Bragg, L. Seeing ever-smaller worlds. Nature, Lond., 1943, **151:** 545–7.—**Exploring** the invisible world. Health, Chic., 1923, **3:** No. 5, 33–9.—**Fairchild, D.** Report on microscopy. Tr. Iowa M. Soc. (1883–85) 1885, **6:** 422–31.—**Goret, P., Joubert, L., & Thiéry, G.** Du nouveau en microscopie. Rev. méd. vét., 1949, **12:** 548–52, 2 pl.—**Guyénot, E.** Le microscope et l'examen microscopique. Biologica, Par., 1914, **4:** 27; 61; 93.—**Hauduroy, P.** Le microscope; son utilisation, son entretien, ses accessoires; principe du microscope électronique; la microscopie en fluorescence. In his Microb. gén., Lausanne, 1947, 128–47.—**Horine, E. F.** Microscopical findings and review of literature. Kentucky M. J., 1911, **9:** 191–3.—**Langeron, M. C. P.** L'observation microscopique. In his Précis d. micr., 7. éd., Par., 1949, 173–90, illust.—**Martin, L. C.** Ultra-violet and electron microscopy. Proc. R. Inst. Gr. Britain, 1940–41, **31:** 171–85, 2 pl.—**Richards, O. W.** When to use special microscopes. In: Biophysic. Res. Meth. (Uber, F. M.) N. Y., 1950, 343–80, illust.—**Rozhdestvensky, D. S.** [What the microscope has mastered and what it still has to conquer] Priroda, 1936, **25:** 13–24.

—— Accessories.

See also **Microscope,** Accessories.

Akehurst, S. C. New tank, and pond weed holder, to be used with the Greenough microscope. J. R. Micr. Soc., Lond., 1916, pt 6, 534, 2 pl.—**Bien, Z.** Eine neue Objektiv- und Präparatschutzvorrichtung. Zschr. wiss. Mikr., 1921, **38:** 277–9.—**Bödecker, C. F.** Maschinen zur Herstellung von Schiffen zum Zwecke der mikroskopischen Untersuchung organischarmer Gewebe. Ibid., 153–66.—**Cori, C. J.** Der Schlammsauger. Ibid., 1924, **41:** 261–3.—**Detto, C.** Ein neues Gleitlineal. Ibid., 1906, **23:** 301–7.—**Gilardoni, E.** Di una nuova pinza per allestire estemporaneamente preparati microscopici su vetrini porta-oggetti. Gior. med. esercito, 1905, **53:** 888–91.—**Guéguen.** Chevalet permettant d'observer au microscope les tubes de culture. C. rend. Soc. biol., 1906, **61:** 229.—**Huss, H.** Eine Abänderung des Mayer'schen Chlorentwickelungsapparates zum Aufhellen von Pflanzenstoffen für die mikroskopische Untersuchung. Zschr. Nahrungsmitt., 1906, **12:** 221–3.—**James, W. M.** Microscopical equipment; comments on choice and use of instruments; notes on the selection of a microscopical equipment. California West. M., 1928, **29:** 12–5.—**Picqué, R.** Nécessaire de microscopie de campagne du médecin-major Rubenthaler. Bull. Soc. chir. Paris, 1916, n. ser., **42:** 1931–6.—**Reese, A. M.** A microscopic trap. Science, 1918, n. ser., **48:** 248.—**Schaffnit, E.** Ein Apparat zur mikroskopischen Beobachtung gefrierender Objekte. Zschr. wiss. Mikr., 1911, **28:** 45–8.—**Schauke, E.** Eine behelfsmässige Drahtschlinge für mikroskopische Ausstrichpräparate. Derm. Wschr., 1924, **78:** 344.—**Schechtman, A. M.** A simple device for the rapid observation of objects in lateral and ventral views. Science, 1935, **81:** 404.—**Studnička, F. K.** Ein neues Kompressorium. Zschr. wiss. Mikr., 1930, **47:** 203–7.—**Walsem, C. G.** Praktische Notizen aus dem mikroskopischen Laboratorium; über den Gebrauch der Zentrifuge sowie über eine Handzentrifuge; der Wasserstrahlbrecher; Microscopista dioptrophorus. Ibid., 1921, **38:** 62–6.—**Warming** 48 slides simultaneously. Laboratory, Pittsb., 1941, **12:** 106.

—— Accessories: Tissue-mincer.

Foley, E. J. Protective caps for glass tissue grinders. J. Laborat. Clin. M., 1941–42, **27:** 1337.—**Mickle, H.** Tissue disintegrator. J. R. Micr. Soc., Lond., 1948, **68:** 10–2, pl.—**Mitchell, H. K.** A simple microgrinder for tissues. In: Stud. Vitamin Content (Univ. Texas) 1942, 145.—**Seevers, M. H., & Shideman, F. E.** A mincer adaptable to small quantities of tissue. Science, 1941, **94:** 351.

—— Accessories: Washer.

Bowen, R. H. A simple device for washing microscopical material. Anat. Rec., 1926–27, **34:** 397–400.—**Breuning, F.** Eine einfache Wässerungsvorrichtung. Zschr. wiss. Mikr., 1914, **31:** 227.—**Farkas, B.** Bemerkungen über das Auswaschen und Beschreibung eines einfachsten Auswaschapparates. Ibid., 1913, **30:** 33–9.—**Gairns, F. W.** The washing bobber. Stain Techn., 1942, **17:** 131.—**Hirschler, J.** Ueber einen Apparat, der als Fixierungsmeliorator und Entwässerungsbeschleuniger wirkt. Zschr. wiss. Mikr., 1915, **32:** 164–7.—**Pietsch, A.** Auswaschapparat für mikroskopische Objekte. Ibid., 1916, **33:** 252.—**Romeis, B.** Eine neue Vorrichtung zum Wässern, Entwässern und Entkalken. Ibid., 1911, **28:** 12–7. ——— Ein Wässerungsapparat. Ibid., 1914, **31:** 236–40.—**Schaffnit, E.** Ein einfacher Auswaschapparat. Ibid., 1911, **28:** 49.—**Suzuki, B.** Eine einfache Entwässerungs-, Härtungs- und zugleich Auswaschungsvorrichtung für mikrotechnische Zwecke. Ibid., 1909, **26:** 211–9.

—— Application.

See also other subdivisions; also such terms as **Bacteriology; Histology; Laboratory,** Methods; **Nuclear physics,** Methods; **Radiometry; Technology,** etc.

Agramonte, A. Algunos procesos vitales revelados por el microscopio. Rev. med. cir. Habana, 1904, **9:** 75–8.—**Carleton, S. H.** Baking under the microscope. Sc. American, 1947, **177:** 216–8.—**Fraser, W. S.** The microscope in industry [Manufact. Chem., Lond., 1949, **20:** 19–24.—**Hadfield, R.** [The microscope and its applications] J. R. Micr. Soc., Lond., 1920, 4. pt, 5–29.—**Hintzsche, E.** Os princípios da anatomia microscópica. Actas Ciba, Rio, 1948, **15:** 252–8.—**Hochholzer, H.** Mikroskopische Bodenuntersuchung. Mikroskopie, Wien, 1948, **3:** 203–17.—**Hoffmeyer, I.** [On the use of the microscope] Pharm. tid., Kbh., 1863–64, **3:** 277–9.—**John, K.** Unser Weltbild und deutscher Erfindergeist; das Mikroskop in Forschung und Technik. Optik, Weimar, 1944, 44–6.—**Joseph, R.** Sight and science. Visual Digest, 1940–41, **4:** 11.—**Kiplinger, C. C.** A simple method for determining the approximate index of refraction of liquids with a common microscope. J. Chem. Soc., Lond., 1924, 963–5.—**Kühnelt, W.** Mikroskopie der Bodentiere. Mikroskopie, Wien, 1948, **3:** 120–8.—**Lavin, G. I., & Pollister, A. W.** Some observations with a simplified quartz microscope. Biol. Bull., 1942, **83:** 299 (Abstr.)—**Marshall, M. S., Gunnison, J. B.** [et al.] Microscopy. In: Appl. M. Bact. (Marshall, M. S.) Phila., 1947, 9–19.—**Murray, J. A.** Microscopy and zoology. J. R. Micr. Soc., Lond., 1940, **60:** 41–4.—**Pijper, A.** The microscope in biology. Ibid., 1942, **62:** 36–50.—**Pöschl, V.** Eine neue Methode der Hartemessung. Zschr. wiss. Mikr., 1909, **26:** 104–10.—**Slack, H. J.** Microscopie preserves. Recreat. Sc., Lond., 1861, **2:** 114–9.

—— binocular.

See under **Microscopy,** stereoscopic; also **Microscope,** binocular.

—— capillary.

See also **Capillaroscopy; Microscope,** capillaroscopic.

BOEHM, R. H. *Der heutige Stand der Kapillarmikroskopie in seiner Beziehung zur Konstitutionsforschung. 20p. 22½cm. Greifsw., 1937.

PARMA, K. *Kapillarmikroskopische Untersuchungen bei Schwangeren, mit besonderer Berücksichtigung der Zahnfleischkapillaren. p. 1–187. 24½cm. Helsin., 1939.
In: Suom. hammaslääk. toim., 1939, No. 66.

TRAVI, A. M. *Estudio capilaroscópico de algunos modificadores vasculares. 39p. 24½cm. B. Air., 1930.

Davis, E. A simple technique for capillary microscopy. Proc. R. Soc. M., Lond., 1945–46, **39:** 314. ——— Capillary microscopy, with special reference to capillary petechiae. Am. J. M. Sc., 1946, **212:** 192–6.—**Ducach, J.** La capilaroscopía y capilarografía en estado normal y patológico. Prensa méd. argent., 1937, **24:** 333–49.—**Jaensch, W.** Die Hautcapillarmikroskopie am Lebenden. In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1937, Abt. 9., T. 3., 2. Hälfte, 865–940.—**Jimena de la Vega.** Capilaroscopía; técnica del examen capilar. Medicina, Madr., 1941, **9:** pt 2, 347–50. ——— Capilaroscopía; morfología capilar. Ibid., 1943, **11:** 295–302, 2 pl.—**Orloff, D.** La capillaroscopie et son importance dans l'étude des réactions circulatoires lors et après des cures crénoclimatothérapiques. Acta physiother. rheumat. belg., 1949, **4:** 247–9.—**Quirno, N.** La capilaroscopía en condiciones normales y patológicas. Día méd., B. Air., 1937, **9:** 814–9.—**Pasini, A.** Capillariscopia della circolazione cutanea a forte ingrandimento. Deliber. Congr. derm. internat. (1935) 1935–37, 9. Congr., **1:** 9.—**Pieri, G.** La capillaroscopia nelle affezioni vascolari degli arti. Chir. ital., 1948, **2:** 19–28.—**Pototzky, C.** Capillaro-microscopy and child psychiatry. Proc. Rudolf Virchow M. Soc. N. York, 1944, **3:** 52.—**Ravis, E.** Capillaroscopia in neuropsichiatria infantile. Clin. pediat., Mod., 1938, **20:** 492.—**Schönfeld, W.** Vorläufer der heutigen Capillarmikroskopie. Arch. Derm. Syph., Berl., 1938–39, **178:** 201–15. ——— Capillarmikroskopie und Capillarphotogramme der äusseren männlichen Geschlechtsteile. Ibid., 276–87.—**Solovev, V.** Kapilliaroskopia v rannikh stadijakh poslerodovykh zabolevanii. Akush. gin., 1950, 30–3.—**Vázquez, M.** Capilaroscopía. Arch. lat. amer. card., Méx., 1932–33, **3:** 231–50. ——— La capilaroscopía como procedimiento de elección en la exploración de los síndromes capilares de las extremidades. Cir. cirujan., Méx., 1939, **7:** 347–64.—**Xavier, J. F.** Questões de capillaroscopia. In: Quest. clin. actual. (Vaz, R.) Rio, 1932, 2. ser., 211–37.

—— chemical and pharmacological.

See also **Histochemistry; Microchemistry; Microspectrography; Pharmacognosy; Pharmacology,** Methods, etc.

CHAMOT, E. M. Elementary chemical microscopy. 2. ed. 479p. 8° N. Y., 1921.

ENGSTRÖM, A. *Quantitative micro- and histochemical elementary analysis by roentgen absorption spectrography [Karolinska Inst.] 106p. 25cm. Stockh., 1946.

Forms Suppl. 63, Acta radiol., Stockh.

Greene, L. W. Chemical microscopy of fats and waxes; oxygen bubbles in oil. Tr. Am. Micr. Soc., 1933, **52**: 269.—**Simmonite, D.** The microscope in the examination of complex emulsions. Pharm. J., Lond., 1949, **109**: 386–8.—**Wilson, C. L.** The microscope as a chemical tool. Mikrochemie, Wien, 1948–49, **34**: 120.

—— dark-ground.

See as subsequent main subject **Microscopy, darkfield.**

—— Drawing.

See also **Micrograph; Micrography; Micromanipulator; Microprojector.**

BROWAEYS, J. *Micromanipulateur à pantographe pour le travail microscopique à un grossissement limité. 42p. 24cm. Par., 1942.

Appareil à projeter, photographier ou dessiner les images obtenues au moyen du microscope. Rev. opt., Par., 1925, **4**: 260–3, illust.—**Boldrini, B.** Presentazione di un apparecchio micrografico universale. Ateneo parm., 1935, **7**: 164–7.—**Harris, R. H., jr.** Device for drawing objects in perspective. U. S. Patent Off., 1935, No. 1,986,506.—**Langeron, M. C. P.** Appareils à dessiner. In his Précis d. micr., 7. éd., Par., 1949, 133–51, illust.—**Neuer** (Ein) Mikro-Zeichen- und Projektionsapparat. Schweiz. Zschr. Gesundhpfl., 1926, **6**: 139.—**Souèges, R.** Coffret-support pour dessin à la chambre claire de Malassez. Bull. Soc. fr. micr., 1934, **3**: 119–22, illust.—**Studnička, F. K.** Ein Schrank zum Zeichnen mikroskopischer Präparate. Zschr. wiss. Mikr., 1923, **40**: 353–8.

—— electron.

See as subsequent main subject **Microscopy, electron.**

—— fluorescence.

See as subsequent main subject **Microscopy, fluorescence.**

—— forensic.

See also **Crime,** Medical aspects; **Criminology,** Methods; **Forensic medicine,** Methods; also such terms as **Blood-stain,** Identification; **Hair,** Forensic aspect, etc.

Anuschat, E. Das Taschenmikroskop und seine Verwendung in der kriminalistischen Praxis. Arch. Krim. Anthrop., 1906, **25**: 1–63.—**Castellanos, I.** Microscopy in criminal investigation. Laborat. Digest, S. Louis, 1948–49, **12**: No. 4, 2–5.—**Hepner, W.** Fälschungsnachweis durch mikroskopische Trennranduntersuchung. Mikroskopie, Wien, 1948, **3**: 318–29.—**Kirk, P. L.** Microscopic evidence; its use in the investigation of crime. J. Crim., Chic., 1949–50, **40**: 362–9.—**Langeron, M. C. P.** Technique microscopique médico-légale. In his Précis d. micr., 7. éd., Par., 1949, 1297–302.—**Pérez Argilés, V.** Nuevas aplicaciones médico-legales del microscopio de Florence. Arch. Fac. med. Zaragoza, 1932, **1**: 171–8.—**Salisbury, G. R.** El cuarto grado. Policía secr. nac., Habana, 1942–43, **11**: 187–90.

—— History.

See also **Microscope,** History; **Microscopist; Microscopy, electron,** History; also such terms as **Microphotography,** etc.

PINEY, A. Recent advances in microscopy; biological applications. 260p. 8° Lond., 1931.

SACHS, P. J. Messis observationum microscoficarum è variis authoribus collectarum. p. 47–61. 4°. Par., 1672.

In: Misc. med. phys. Acad. natur. curios. germ., Par., 1672, **1**: 47–61.

STEHLI, G. Das mikroskopische Schrifttum; eine Bibliographie der für den Mikroskopiker wichtigsten Literatur des In- und Auslandes. 70p. 8° Stuttg., 1925.

Baker, F. W. Progress of microscopy, from a manufacturer's point of view. J. R. Micr. Soc., Lond., 1920, 4. pt, 81–3.—**Bargmann, W.** Aus der Frühzeit der Mikroskopie. Natur, Lpz., 1927, **18**: 63; passim.—**Bayer, F. W.** Anfänge mikroskopischer Forschung in der Medizin, 17. Jahrhundert. Klin. Wschr., 1944, **23**: 31–3.—**Beck, C.** Some recent advances in microscopy. J. R. Micr. Soc., Lond., 1934, **54**: 1–8.—**Da Costa, A. C.** Reflexões sôbre a história da microscopia portuguesa. Lisboa med., 1941, **18**: 633–42.—**Findlay, G. M.** The debt of medicine to microscopy. J. R. Micr. Soc., Lond., 1940, **60**: 36–40.—**Fischer, I.** Das erste Jahrhundert ärztlicher Mikroskopie. Wien. klin. Wschr., 1926, **39**: 1000; 1020.—**Gershenfeld, L.** The history and romance of microscopy. Pop. Sc. Talks, Phila., 1934, **12**: 130–80.—**Haden, R. L.** The early use of the microscope in Ohio. Ohio Archaeol. Hist. Q., 1942, **51**: 271–8.—**Hintzsche, E.** Die Anfänge der mikroskopischen Anatomie. Ciba Zschr., Basel, 1947–48, **10**: 4055–60. —— Os primeiros ensaios microfotográficos. Actas Ciba, Rio, 1949, **16**: 154.—**Lucas, F. F.** Late developments in microscopy. J. Franklin Inst., 1934, **217**: 661–707.—**Luntley, J. L.** Glanures de microscopie historique; les photographies microscopiques et J. B. Dancer. Bull. Soc. fr. micr., 1939, **8**: 40–2.—**Martin, L. C.** Ultra-violet and electron microscopy. Nature, Lond., 1940, **146**: 288–92.—**Morgan, R. L.** Recent developments in microscopy. Cambridge Univ. M. Soc. Mag., 1948–49, **26**: 52–6.—**Richards, O. W.** Some recent advances in microscopy. Tr. Am. Micr. Soc., 1949, **68**: 292–303.—**Woodruff, L. L.** Microscopy before the nineteenth century. Am. Natur., 1939, **73**: 485–516. Also in Biol. Sympos. (Cattell, J.) Lanc., 1940, **1**: 5–36. —— The advent of the microscope at Yale College [1734] Am. Scientist, 1943, **31**: 241–5. Also Connecticut M. J., 1944, **8**: 93–5.

—— Image [incl. field of vision]

See also subheadings (Interpretation of appearances; Record of observations; Theory) also **Microscope,** Optics; **Microscope lens; Microscopy, electron,** Image.

Langeron, M. C. P. Formation de l'image microscopique. In his Précis d. micr., 7. éd., Par., 1949, 105–12.—**Moore, H.** The mode of formation of the image in the microscope. J. R. Micr. Soc., Lond., 1928, **48**: 133–43. —— Theories of image formation in the microscope. Ibid., 1940, **60**: 140–51.—**Naumann, E.** Ueber die okulare Begrenzung des mikroskopischen Gesichtsfeldes. Zschr. wiss. Mikr., 1918, **35**: 241.—**Siedentopf, H.** Die Sichtbarmachung von Kanten im mikroskopischen Bilde. Ibid., 1908, **25**: 424–31, pl.—**Zernike, F.** De theorie van de microscopische beeldvorming. Ned. tschr. natuurk., 1942, **9**: 357–77.

—— Image: Contrast.

See also under names of methods used for increasing contrast as **Embedding; Microscopy, darkfield; Microscopy, fluorescence; Microscopy, phase-contrast; Staining.**

Ambronn, H. Farbenerscheinungen an den Grenzen farbloser Objecte im Mikroskop. Ber. Sächs. Ges. Wiss., 1896, **48**: 134–40.—**Keck, P. H., & Brice, A. T.** Image contrast in phase-contrast microscopy. J. Optic. Soc. America, 1949, **39**: 507–14.—**Merton, T.** On a method of increasing contrast in microscopy. Proc. R. Soc., Lond., Ser. A., 1947, **189**: 309–13, pl.

—— Immersion system [incl. oil]

For lenses see **Microscope condenser; Microscope lens;** see also names of oils and balsams.

Brug, S. L. The use of cajuputih oil in microscopy. Tr. Am. Micr. Soc., 1942, **61**: 84.—**Calvet, R., & Morato, T.** De l'application des solutions de naphtaline dans quelques huiles comme liquides d'immersion pour les objectifs de microscope. C. rend. Soc. biol., 1932, **110**: 260. —— Nouvelles compositions économiques pour remplacer l'huile de cèdre comme liquide d'immersion pour les objectifs de microscope. Bull. Soc. fr. micr., 1933, **2**: 4.—**Fitting, H.** Ueber Wasserimmersionen mit Fassungen aus rostfreiem Stahl. Zschr. wiss. Mikr., 1927, **44**: 478–80.—**Gilman, L. L.** A convenient oil dropper. J. Am. M. Ass., 1917, **68**: 1177.—**Guida, C.** L'olio di ulivo in microscopia. Boll. med., Trapani, 1945, **12**: No. 2, 28–31.—**Jensen, V.** En ny Immersionsvaedske. Hospitalstidende, 1914, 5. R., **7**: 1424–7. Also Brit. J. Exp. Path., 1921–22, **2**: 155.—**McCartney, J. E.** A new immersion oil (polyric) J. Path. Bact., Lond., 1944, **56**: 265.—**Metelkin, A. I.** [Flask for immersion oil] Sovet. vrach. J., 1936, **1**: 1319.—**Perruche, L.** La récupération pour l'usage en microscopie des huiles de cèdre épaissies. Bull. Soc. fr. micr., 1939, **8**: 147.—**Wasicky, R.** Der Ersatz von Zedernöl durch andere Immersionsflüssigkeiten. Zschr. wiss. Mikr., 1920, **37**: 206–8.

—— Incident light.

See also **Microscope illuminator; Microscopy, phase-contrast;** also **Episcope.**

HAUSER, F. Das Arbeiten mit auffallendem Licht in der Mikroskopie, Mikro- und Makrophotographie. p.3717–849. 25cm. Berl., 1939.

In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Abt. 2, T. 3, 2. Hälfte.

Abramow, S. Ueber die Verwendung der mikroskopischen Auflichtbeobachtung in der pathologischen Anatomie. Zschr. wiss. Mikr., 1941–42, **58**: 340–5.—**Antoine, T., & Grünberger, V.** Auflichtmikroskopie in der Gynäkologie. Wien. klin. Wschr., 1949, **61**: 159.—**Hauser, F.** Mikroskopie im auffallenden Licht. Umschau, 1929, **33**: 715–9.—**Obiztio, J. R.** Epimicroscopia sensibilizada. Rev. As. méd. argent., 1936, **50**: 1119–24.—**Veiga de Carvalho, H., & Almeida Braga, R. de.** Contribuições paulistas para o estudo das applicações médico-legaes da epimicroscopia; trabalho elaborado no Instituto de medicina legal Oscar Freire da Faculdade de medicina da Universidade de São Paulo. Arch. med. leg. ident., Rio, 1935, No. 11, 46–52, 19 pl.—**Vonwiller, P.** Microscopy with incident light and its application to living objects. J. R. Micr. Soc., Lond., 1927, **47**: 325–30. ——— Ueber den heutigen Stand der Mikroskopie im auffallenden Licht. Zschr. wiss. Mikr., 1932, **49**: 289–304. ——— Die Auflichtmikroskopie; ihre Entwicklung, Anwendung, Ergebnisse und Zukunftaussichten in der Biologie und Medizin. Wien. klin. Wschr., 1947, **59**: 693–6.

—— Institute and laboratory.

See also **Health laboratory; Histology,** Institute and laboratory; **Laboratory; Microbiology,** Institutes, laboratories and stations, etc.

Ambronn, H. Ueber Institute für wissenschaftliche Mikroskopie und deren Aufgaben. Zschr. wiss. Mikr., 1907, **24**: 1–12.—**Paulson, R.** Microscopy at Ruhleben. J. R. Micr. Soc., Lond., 1918, 26.—**Submicroscopical** (The) research center at Stanford University. Science, 1941, **94**: 295.—**Vialatte, C.** Rapport sur le fonctionnement du Laboratoire de microscopie de Beni-Abbès (Sahara-Oranais) Bull. Soc. path. exot., Par., 1916, **9**: 469–86.

—— Institute and laboratory: Equipment.

See also other subheadings; also **Laboratory,** Construction, equipment and planning.

Cobb, N. A. Masonry bases for the installation of microscopes and their accessories, including the camera lucida and the microscope camera. Tr. Am. Micr. Soc., 1916, **35**: 7–22, 4 pl.—**Gage, S. H., & Kingsbury, B. F.** Some apparatus for the microscopical laboratory. Anat. Rec., 1916, **10**: 527–36.—**Jones, L. H.** Coin mats for the microscopist. Science, 1941, **94**: 446.—**Kamieński, F.** Nowe ulatwienie w badaniach mikroskopowych i mikrofotografii stereoskopowej (stolik wahający się) Rozpr. wydz. mat. przyrod. Polska Akad. (1908) 1909, 3. ser., **8**: A, 169–79.—**Lehmensick, R.** Die Wasserstrahl-Luftpumpe im Dienste der mikroskopischen Technik. Zool. Anz., 1929–30, **86**: 75–9.—**Lehner, J.** Ein Hängekasten für Wandtafeln. Zschr. wiss. Mikr., 1923, **40**: 1–6.—**Neumayer, L.** Ein elektrisch heizbarer Universalwärmeschrank. Ibid., 1913, **30**: 49–58.—**Spendlove, G. A., Cummings, M., & Patnode, R.** Arm rest for use in microscopy. Pub. Health Rep., Wash., 1948, **63**: 1046.—**Walker, E. R.** A photographic dark box for field work. Tr. Am. Micr. Soc., 1914, **33**: 51–4, pl.—**Walsem, G. C.** Der Arbeitsraum des Mikroskopikers. Zschr. wiss. Mikr., 1915, **32**: 69–79. ——— Arbeitstisch und Fenster. Ibid., 1925, **42**: 435–7.—**Wittlake, E. B.** An efficient vacuum apparatus for microtechnic. Ohio J. Sc., 1942, **42**: 65–9.—**Wolff, M.** Das Geigersche Universal-Tisch-Stativ für Mikroprojektion, Mikro- und Makro-Photographie sowie über einen neuen Präpariertisch. Zschr. wiss. Mikr., 1914, **31**: 448–63.

—— Instruction.

Büttner, H. E., & Mohr, L. Zur Frage der Vereinfachung des Unterrichts in der medizinischen Mikroskopie. Zschr. wiss. Mikr., 1936, **53**: 273–8.—**Johnson, F. M.** The union of the teachings in cystoscopy and microscopy. Boston M. & S. J., 1904, **151**: 132.—**Rucker, E. S., jr.** A practical test on the use of the microscope in general biology. J. Tennessee Acad. Sc., 1949, **24**: 211.—**Wolf, J.** Kurs pro vědeckou mikroskopii v Jené. Cas. lék. česk., 1921, **60**: 797.

—— interference.

See under **Microscopy, phase-contrast.**

—— intravital [Biomicroscopy]

See also **Microscope** subheadings (corneal; intravital; operating) also **Microscopy,** ophthalmologic; **Microscopy, fluorescence; Staining,** intravital; also **Microscope illuminator,** Transmitted light.

Clark, E. R., & Sandison, J. C. Methods for the microscopic study of living cells and tissues in the tail of the amphibian larva and in a transparent chamber introduced into the rabbit's ear. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 54.—**Ellinger, P., & Hirt, A.** Mikroskopische Untersuchungen an lebenden Organen. Arch. exp. Path., Lpz., 1929, **145**: 193–210. ——— Intravitalmikroskopie. Zschr. ges. Anat., 1. Abt., 1929, **90**: 791–802.—**Rokhlina, M. L.** [Research methods in vital microscopy] Usp. sovrem. biol., 1936, **5**: 537–43.—**Singer, E.** Microscopic representation of the surfaces of living organs. J. Am. M. Ass., 1937, **109**: 226.—**Sturm, F.** Neue Beobachtungen mit Hilfe der Intravitalmikroskopie. Biol. gen., Wien, 1938–39, **14**: 55: 145, 2 pl.

—— Interpretation of appearances.

See also such terms as **Brownian movement; Cytodiagnosis; Histology,** Problems, etc.

Berek, M. Grundlagen der Tiefenwahrnehmung im Mikroskop mit einem Anhang über die Bestimmung der obersten Grenze des unvermeidlichen Fehlers einer Messung aus der Häufigkeitsverteilung der zufälligen Maximalfehler. Sitzber. Ges. Naturwiss. Marburg, 1927, **62**: 189–223.—**Dufour, M.** De certains phénomènes optiques qui peuvent troubler l'observation microscopique. C. rend. Ass. anat., 1932, **27**: 240–8, illust.—**R.** Tüpfelreaktionen unter dem Mikroskop. Umschau, 1938, **42**: 1059, illust.—**Rubenthaler, G.** Méthode générale de fixation avant pour but de restreindre les artefacts. Zschr. wiss. Mikr., 1907, **24**: 133–8.

—— Liquids, oils, and reagents.

See also other subheadings (Immersion system; Specimen preparation; Technic) also under names of liquids, oils, and reagents used in microscopy as **Celloidin; India ink; Orcein;** also names of stains.

Schreiber, H. J. E. *Untersuchungen über die theoretischen Grundlagen der farbenerhaltenden Konservierung mittels Salzformalin und Leuchtgas [Kiel] 21p. 8° Halle-Saale, 1932.

Berdichevsky, V. L. [On the use of acetone in microtechnic] Dnipropetr. med. J., 1928, **7**: 202–6.—**Ettisch, G.** Nichtwässrige biologische Medien (über n-Dekan, Dioxan und Triolein) Arq. pat., 1940, **12**: 529–35.—**Hamburger, H. J.** Injektionen mit Eiweiss- und Serumtusche zu mikroskopischen Zwecken. Zschr. wiss. Mikr., 1908, **25**: 1–3.—**Hurlaux, R.** Quelques mots sur les gommes laques utilisables en microscopie. Bull. Soc., fr. micr. 1937, **6**: 148.—**Langeron, M. C. P.** Liquides d'examen. In his Précis d. micr., 7. éd., Par., 1949, 363–6.—**Lefébure, P.** Liqueurs à fortes densités. Bull. Soc. fr. micr., 1934, **3**: 38.—**Marpmann, G.** Aceton in der mikroskopischen Technik. Zschr. angew. Mikr., 1906, **12**: 157–61.—**Možejko, B.** Bemerkungen zu dem Artikel des Rudolf Krause [Herstellung von transparenter, roter Leiminjektionsmasse] Zschr. wiss. Mikr., 1909, **26**: 1; 1910, **27**: 374–8.—**Peragallo, I.** Sopra l'impiego di materiali plastici, acetato di cellulosa, viscosa, resine sintetiche, nella tecnica microscopica, porta- e copri-oggetto, ed in quella di sperimentazione batteriologica. Ann. igiene, 1940, **50**: 25–7.—**Perruche, L.** Détermination au microscope de l'indice de réfraction des liquides. Bull. Soc. fr. micr., 1939, **8**: 45.—**Shufeldt, R. W.** Balsam St. Rocco; a new biological preserving fluid. Mus. Work, Provid., 1919, **1**: 179–83.—**Van Cleave, H. J., & Ross, J. A.** Use of trisodium phosphate in microscopical technic. Science, 1947, **106**: 194.—**Walsem, G. C. v.** Ueber Balsamflaschen. Zschr. wiss. Mikr., 1917–18, **34**: 245–7. ——— Ueber die Verwendung des Kopaivabalsams in der mikroskopischen Technik. Ibid., 1926, **43**: 515–7.

—— luminescence.

See under **Microscopy, fluorescence.**

—— Manual.

See also **Histology; Histopathology; Microscopy** other subheadings (medical; Technic) also subsequent main subjects of **Microscopy, electron; Microscopy, fluorescence; Microscopy, phase-contrast.**

Allen, R. M. The microscope. 286p. 23½cm. N. Y., 1940.

Beale, L. S. How to work with the microscope. 124p. 20cm. Lond., 1857. Also 4. ed. 383p. 23cm. Phila., 1870.

Beavis, G. The book of the microscope. 246p. 8° Lond., 1931.

Beck, C. The microscope; theory and practice. 264p. 8° Lond., 1938.

Behrens, W. Tabellen zum Gebrauch bei mikroskopischen Arbeiten. 4. Aufl. 245p. 8° Lpz., 1908.

Belling, J. The use of the microscope; a handbook for routine and research work. 315p. 8° N. Y., 1930.

Clavera, J. M. Teoría y manejo del microscopio. 123p. 23cm. Barcel., 1942.

Ehringhaus, A. Das Mikroskop. 2. Aufl. 156p. 18½cm. Lpz., 1938.

Gage, S. H. The microscope. 15. ed. 589p. 23½cm. Ithaca, 1932. Also 16. ed. 617p. 1936. Also 17. ed. 1941.

Garner, W. Industrial microscopy. 389p. 22cm. Lond., 1932.

Griebel, C. Mikroskopie. p.463–536. 8° Berl., 1933.
In: Handb. Lebensmittchem. (Bömer, A. et al.) 1933, 2: Teil 1.

Griffith, J. W. An elementary text-book of the microscope; including a description of the methods of preparing and mounting objects, etc. 192p. 20cm. Lond., 1864.

Hager, H. Das Mikroskop und seine Anwendung. 13. Aufl. 373p. 8° Berl., 1925. Also 14. Aufl. 368p. 1932.

Hogg, J. The microscope; its history, construction, and applications. 440p. 22cm. Lond., 1854.

Koch-Larsen, J. Kursus i praktisk mikroskopi. 136p. 24cm. Kbh., 1936.

Lambinet, L. Pour utiliser le microscope. 128p. 18cm. Par., 1941.

Laporte, L. J., & Gaudfernau, E. Atlas de microscopie générale. v.1. 255p. 28cm. Par., 1937.

Lee, A. B. The microtomist's vade mecum. 6. ed. 538p. 23cm. Lond., 1905.

Metzner, P. Das Mikroskop; ein Leitfaden der wissenschaftlichen Mikroskopie. 2. Aufl. 509p. 26cm. Lpz., 1928.

Muñoz, F. J., & Charipper, H. A. The microscope and its use. 334p. 22½cm. N. Y., 1943.

Neill, R. M. Microscopy in the service of man. 256p. 16° N. Y., 1926.

Niklitschek, A. Mikroskopie für Alle. 175p. 23½cm. Wien, 1948.

Phin, J. How to use the microscope, being practical hints on the selection and use of that instrument. 5. ed. 238p. 19cm. N. Y., 1882.

Pujiula, J. Microscopio y otros instrumentos de laboratorio. p.5–71. 24½cm. Barcel., 1931.
In his Citología, 2. ed., Barcel., 1931, 2:

Quekett, J. T. A practical treatise on the use of the microscope. 3. ed. 556p. 23cm. Lond., 1855.

Richards, O. The effective use and proper care of the microscope. 60p. 19½cm. Buffalo, 1941.

Scales, F. S. Practical microscopy; an introduction to microscopical methods. 3. ed. 332p. 12° Lond., 1926.

Séguy, E. Le microscope. T. 1. [v. p.] 16cm. Par., 1942.

Shipley, A. E. Hunting under the microscope. 184p. 8° Edinb., 1928.

Spitta, E. J. Microscopy. 2. ed. 502p. 22cm. Lond., 1909.

Stephanides, T. The microscope and the practical principles of observation. 160p. 23cm. Lond., 1947.

Upton, J. R. The microscope; its construction and its use in biology. 104p. 8° Lond., 1937.

Venglovsky, R. I. Kratkii uchebnik mikroskopicheskoĭ i laboratornoĭ tekhniki. 273p. 8° S. Peterb., 1907.

Wythe, J. H. The microscopist; a manual of microscopy. 4. ed. 434p. 23cm. Phila., 1880.

—— medical [incl. veterinary]

See also names of special studies and subjects related to medical microscopy such as **Cytodiagnosis: Cytology; Dermatology**, Problems and research; **Diagnosis** subheadings; **Hematology**, Methods; **Histology; Histopathology; Laboratory medicine; Medical research**, Method; **Microtechnic**, etc.

Cowdry, E. V. Microscope technique in biology and medicine. 206p. 23½cm. Balt., 1943.

Cutter, E. Primer of the clinical microscope. 24p. 8° Bost., 1879.

Ióannidés, G. S., & Pankalos, G. N. Κλινικὴ μικροσκοπία καὶ βιολογία. 2v. 451p.; 360p. 22cm. Athénai, 1928.

Kowarski, A. Klinische Mikroskopie; Atlas und Leitfaden. 172p. 4° Berl., 1932. Also 2. Aufl. 178p. 1947.

Langeron, M. C. P. Précis de microscopie; technique, expérimentation, diagnostic. 6. éd. 1340p. 20cm. Par., 1942. Also 7. éd. 1430p. 1949.

Legrain, E. Microscopie clinique. 278p. 18cm. Par., 1894.

Matteo, A. L. Las técnicas microscópicas modernas. p.635–98. 28cm. Montev., 1946.
In: An. Fac. med., Montev., 1946, 31:

Nikiforov, M. Mikroskopicheskaya tekhnika, posobie pri prakticheskom izuchenii patologicheskoi histologii. 6. izd. 248p. 8° Moskva, 1906.

Oelze, F. W. Die mikroskopische Ausrüstung des Arztes. 112p. 8° Lpz., 1924.

Richards, O. W. Microscopy in medicine. 28p. 19½cm. Buffalo, 1937.

Schild, E. Praktische Mikroskopie für den Arzt und Biologen. 2. Aufl. 216p. 21cm. Wien, 1947.

Stiles, K. A. Handbook of microscopic characteristics of tissues and organs. 3. ed. 214p. 23½cm. Phila., 1946.

United States Army. Enlisted Technician's School. Letterman General Hospital [San Francisco, Calif.] Laboratory technician's use and care of the microscope. 6p. 27cm. S. Franc., 1943.

Wood, F. C. Chemical and microscopical diagnosis. 2. ed. 767p. 24½cm. N. Y., 1909.

Barnard, J. E. Resolution and visibility in medical microscopy. J. R. Micr. Soc., Lond., 1930, 50: 1–14, 4 pl.—**Carl.** Histologische Diagnostik auf dem Wege des Ausstrichpräparates, insbesondere bei Tuberkulose. Deut. tierärztl. Wschr., 1923, 31: 397–402.—**Carroll, J.** The microscope in its relation to medicine. Bull. Univ. Nebraska Coll. M., 1906, 1: 129–46. Also Clin. Rev., Chic., 1906–07, 24: 108–27.—**Catlin, J. J.** The microscope in diagnosis. J. Minnesota M. Ass., 1906, 26: 351.—**Gaither, J. G.** The use of the microscope by the general practitioner. Tr. Mississippi M. Ass., 1910, 43: 116–20, Disc., 129.—**Hofmann, H.** Das Mikroskop als Augenspiegel. Zeiss Nachr., 1943, 4. ser., 173–8.—**Kakalia, D. F.** The physician and the microscope. Nat. M. Coll. Mag., Bombay, 1946, May, 133.—**Knap, W. H.** Elementary medical micro-technique; for physicians and others interested in the microscope. J. Appl. Micr., Rochester, 1902, 5: 1929; passim.—**Kufferath, A.** Ueber eine eigenartige Entwicklung der Mikroskopiertechnik und ihre Bedeutung für tierärztliche Untersuchungen. Münch. tierärztl. Wschr., 1936, 87: 222–4. ——— Ueber den heutigen Stand der Mikroskopiertechnik im Dienste der Heilkunde. Deut. med. Wschr., 1937, 63: 973–7.—**Langeron, M.** Technique microscopique appliquée à la médecine coloniale. Arch. parasit., Par., 1908, 12: 135–63.—**Lefferty, R. H.** Microscopy in medicine. Tr. M. Soc. N. Carolina, 1911, 58: 433–7.—**Liesegang, R. E.** Adenoide Resorption. Zschr. wiss. Mikr., 1941–42, 58: 14–30, pl.—**Little, T. R.** The microscope in general practice. Med. Counc., Phila., 1904, 9: 392; passim.—**Lockett, E. A.** The use of the microscope in general practice. Tr. M. Soc. N. Carolina, 1906, 53: 330–3.—**McLaughlin, J. W.** The advantages and use of the microscope to the general practitioner in diagnosis and therapy. Med. Age, 1905, 23: 457–63.—**Mayer, O.** Ueber die Verwendung der Lupenbrille nach Zeiss. Mschr. Ohrenh., Wien, 1941, 75: 351–3.—**Megaw, J. W. D., & Mullick, M. N.** Some laboratory findings and their significance. Ind. M. Gaz., 1928, 63: 113–7.—**Salmony, A.** Il nuovo sviluppo della tecnica microscopica medica. Rinasc. med., 1937, 14: 627, pl.—**Schild, E.** Praktische Mikro-

skopie für den Arzt. Wien. med. Wschr., 1942, 92: 825; passim.—**Shattock, S. G., & Selons, C. F.** Two methods of comparing normal with abnormal tissues beneath the microscope. Tr. Path. Soc. London, 1904–05, 56: 53–7.—**Simpson, T.** A reliable method for table microscopic diagnosis. J. Am. M. Ass., 1915, 64: 1909.—**Stout, R. B.** Clinical cinemicroscopy. J. Biol. Photogr. Ass., 1932, 1: 18–21.—**Taussig, A. E.** The use and abuse of the microscope in general practice. Interstate M. J., 1907, 14: 923–8.—**Todd, J. C., & Sanford, A. H.** The microscope. In their Clin. Diagn. Laborat., 11. ed., Phila., 1948, 1–21.—**Van Riper, W.** Chasing the cure with a microscope. J. Outdoor Life, 1925, 22: 125; passim.

—— Method.

See also such headings as **Embedding; Histology, Method; Microgeometry; Microincineration; Microtomy; Smear; Staining,** etc.

Flatters, A. Methods in microscopical research; vegetable histology. 116p. 25cm. Lond., 1905.

Stiles, K. A. Handbook of microscopic characteristics of tissues and organs. 2. ed. 204p. 23½cm. Phila., 1943.

Beck, C. Research in the use of the microscope. J. R. Micr. Soc., Lond., 1920, 4. pt, 79.—**Bullón Ramírez, A.** Principios de un nuevo método de investigación microscópica. Med. & cir. guerra, 1947, 9: 465–71.—**Lake, G. B.** Two laboratory suggestions. Med. Rec., N. Y., 1916, 89: 422.—**Megaw, J. W. D.** Hints on the use of the microscope. In: Trop. Med. (Rogers, L., & Megaw, J. W. D.) 4. ed., Lond., 1942, 509–17.

—— ophthalmologic.

See also **Eye,** Biomicroscopy; **Microscope,** corneal; **Ophthalmology,** Methods; **Slit-lamp;** also under names of various parts of the eye as **Lens,** Examination.

Berliner, M. L. Biomicroscopy of the eye; slit lamp microscopy of the living eye. 2 v. 1512p. paged continuously. 26½cm. N. Y., 1949.

Bibliogr.: p. 671–90; 1467–85.

Doggart, J. H. Ocular signs in slit-lamp microscopy. 112p. 24cm. S. Louis, 1949.

Panico, E. Biomicroscopia del margine palpebrale e della congiuntiva. 103p. 23cm. Nap., 1934.

Sala, G. Elementi di biomicroscopia oculare. 206p. 25cm. Bologna, 1935.

Vogt, A. Handbook and atlas of the slit lamp microscopy of the living eye. v. 3: Iris, vitreous body, conjunctiva. 2. ed. p. 771–1058. 28cm. Zür. [1947]

Adrogue, E. Importancia clínica actual de la microscopía del ojo vivo. Crón. méd. mex., 1926, 25: 73–82.—**Berliner, M. L.** Contributions of the slit-lamp (biomicroscope) in the elucidations of clinical entities. In: Modern Trends in Ophth., N. Y., 1947, 2: 111–29, pl.—**Crawford, H. E.** Biomicroscopic surgery and treatment. Arch. Ophth., Chic., 1944, 32: 215.—**Doggart, J. H.** Slit-lamp microscopy. Brit. J. Ophth., 1948, 32: 232–47.—**Donaidson, D. D., & Cogan, D. G.** A fixation aid for slit lamp biomicroscopy. Arch. Ophth., Chic., 1950, 43: 555, illust.—**Goldmann, H.** Einige Ergebnisse der Spaltlampenuntersuchungen des Kammerwinkels und des Augenhintergrundes. Schweiz. med. Wschr., 1949, 79: 920.—**Hruby, K.** Spaltlampenmikroskopie des hinteren Augenabschnittes ohne Kontaktglas. Klin. Mbl. Augenh., 1942, 108: 195–200. ——— Weitere Vereinfachungen der Spaltlampenmikroskopie des hintcren Augenabschnittes. Ophthalmologica, Basel, 1948, 115: 290–6. ——— Ergebnisse und praktische Bedeutung der Spaltlampenmikroskopie des hinteren Augenabschnittes. Zbl. ges. Ophth., 1948–49, 50: 118. ——— Slitlamp microscopy of the posterior section of the eye with the new preset lens. Arch. Ophth., Chic., 1950, 43: 330–6, illust.—**Hume, E. M., & Krebs, H. A.** Summary of the report by W. J. Wellwood Ferguson on the slit-lamp examination of the eye. Spec. Rep. M. Res. Counc., Lond., 1949, No. 264, 123.—**Kaminskaia-Pavlova, Z. A.** [Method of the sliding ray in biomicroscopy] Vest. oft., 1939, 14: No. 4, 53.—**Kieefeld, G.** Le focaliseur d'ombre (shadow-casting device) comme aide pour la localisation en biomicroscopie oculaire. Bull. Soc. belge opht., 1948, 438–43.—**Mulder, W.** Microscopy of the living eye by means of Gullstrand's slit-lamp. S. Afr. M. Rec., 1923, 21: 415–21.—**Poser, M.** Biomicroscopy. Eye Ear &c. Month., 1941–42, 20: 108–10.—**Rehsteiner, K.** Biomicroscopy. In: Eye & its Dis. (Berens, C.) 2. ed., Phila., 1949, 225–9, illust.—**Rubbrecht.** L'examen de l'oeil au moyen de la lampe à fente et du microscope cornéen. Bull. Soc. belge opht., 1922, No. 46, 27–33.—**Silva, A. G. da.** Uma nova modalidade de exame biomicroscópico; retro-transiluminação. Arq. brasil. oft., 1949, 12: 87–97, pl., incl. Engl. transl.—**Troncoso, M. U.** Microanatomy of the eye with the slitlamp microscope; comparative anatomy of the ciliary body, zonula and related structures in Mammalia. Am. J. Ophth., 1942, 25: 1–31, 4 pl.—**Vogt, A.** Ausgewählte Kapitel aus dem 3. Band des Lehrbuches und Atlas der Spaltlampenmikroskopie. Klin. Mbl. Augenh., 1941, 107: 435–42.

—— Periodicals.

See also subheading (Societies) also **Cytology,** Manuals and periodicals; **Pathology,** Periodicals.

Mikrokosmos; Zeitschrift für angewandte Mikroskopie, Mikrobiologie, Mikrochemie u. mikroskopische Technik. Stuttg., v.6, 1912–

Mikroskopie; Sonderband. Wien, v. 1, 1949–

Mikroskopie; Zentralblatt für mikroskopische Forschung und Methodik. Wien, v. 3, 1948–

Quarterly journal of microscopical science. Lond., v. 1–8, 1853–60; n. ser., v. 1, 1861–

Zeitschrift für wissenschaftliche Mikroskopie. Braunschweig, &c., v. 1, 1884–

—— phase-contrast.

See as subsequent main subject **Microscopy, phase-contrast.**

—— Plastic reconstruction.

See also **Histology,** Method; **Model; Moulage.**

Cummins, H. Serial reconstruction with sheets of balsa wood; a teaching model of a 10 mm. pig embryo. J. Techn. Meth., Toronto, 1942, No. 22, 81–4.—**Dubreuil, G.** Méthode de reconstruction graphique stéréoscopique d'objets microscopiques grossis. C. rend. Ass. anat., 1921, 16: 99–110.—**Lebedkin, S.** Zur Technik der plastischen Rekonstruktion. Zschr. wiss. Mikr., 1914, 31: 114–9.—**Ortmann, R.** Vorschläge zur Vereinfachung und Verbesserung der Wachsplattenrekonstruktionsmethode. Ibid., 1941–42, 58: 240–4.—**Osterhout, W. J. V.** Some models of protoplasmic surfaces. Sympos. Quant. Biol., 1940, 8: 51–62.—**Peter, K.** Ueber das Plattenmodellieren bei Anwendung starker Vergrösserungen. Zschr. wiss. Mikr., 1941–42, 58: 209–17.—**Schummer, A.** Technische Erleichterungen bei der Herstellung von Wachsplattenmodellen. Ibid., 1934–35, 51: 525–8.—**Wilson, J. T.** Improved methods of utilising organized structures as directing marks for plastic reconstruction, and other notes on microscopical technique. Ibid., 1910, 27: 227–34.

—— polarizing.

See under main subject **Microscopy, polarizing.**

—— projecting.

See also **Microcinematography; Microprojector; Microscope,** projecting.

Microscopic slide projections using standard Army equipment. Bull. U. S. Army M. Dep., 1945, No. 87, 30.—**Péreire, M.** Microcinématographie d'amateur. Bull. Soc. fr. micr., 1936, 5: 98–100, pl.—**Savage, A., & Jamieson, M. C.** Note on the combined use of photoelectric cell and projection microscope. Canad. J. Res., 1930, 3: 322–6.—**Studnička, F. K.** Makroprojektion mit der Benützung des Mikroskopes. Anat. Anz., 1911–12, 40: 652–4.—**Zoth, O.** Notiz, betreffend die Verwendung der direkten Kühler für Projektion. Zschr. wiss. Mikr., 1914, 31: 97.

—— Record of observation.

See also subheadings (Image; Interpretation of appearances; Plastic reconstruction) also such terms as **Microcinematography; Microgeometry; Micrography; Micrometry; Microphotography,** etc.

Castren, H. [A simple method for marking certain places in microscopic preparations] Fin. läk. säll. hand., 1923, 65: 542–7.—**Curreri, G.** Methodi vecchi e nuovi per determinare e ritrovare la posizione di uno o più punti interessanti di preparati microscopici. Ricer. Laborat. anat. norm. Univ. Roma, 1906–07, 12: 53–85. pl.—**Herzog, A.** Ein einfaches Verfahren zum Markieren mikroskopischer Präparate. Zschr. wiss. Mikr., 1923, 40: 284–7.—**Kirkman, H., & Kogan, J. A.** Attaching pointers to microscope slides. Science, 1944, 100: 86.—**Meik, L.** Das Bezeichnen und Wiederfinden beachtenswerter Präparatestellen. Zschr. wiss. Mikr., 1920, 37: 42–5.—**Nicolas, E.** L'observation microscopique et les arts du décor. Bull. Soc. fr. micr., 1932, 1: 24–7.—**Olson, C., jr.** A device for marking fields on microscope slides. J. Laborat. Clin.

M., 1941–42, 27: 939.—**Sikl, H.** [Simple method in marking important places in microscopic preparations] Cas. lék. česk., 1936, 75: 53.—**Studnička, F. K.** Eine einfache Vorrichtung zum Markieren der mikroskopischen Präparate. Zschr. wiss. Mikr., 1930, 47: 207–9.—**Wolf, J.** Eine neue Methode der Markierung bestimmter Stellen im Präparate. Ibid., 1938–39, 55: 44–8.—**Wood, H.** Permanent marking of special fields on microscopic slides. Canad. J. M. Techn., 1947, 9: 134.—**Woodbridge, H. M.** Marking the microscope field by a simple method. Educ. Focus, Rochester, 1949, 20: 14.

—— reflecting.

See also **Microscope, reflecting.**

Barer, R. The reflecting microscope in anatomical research. J. Anat., Lond., 1949, 83: 73.—**Spectroscopy** with the reflecting microscope. Europ. Sc. Notes, 1949, 3: 51–3.

—— roentgen.

See also **Microscope, roentgen.**

Lacassagne, A. Quelques exemples de l'utilisation des rayons de roentgen pour des recherches biologiques ultramicroscopiques. Experientia, Basel, 1945–46, 1: 296–8.—**Marco, F. de.** A prioridade brasileira do microscopio com raios x (röntgen) An. paul. med. cir., 1943, 45: 179–87.

—— Societies.

See also under **Microscopy, electron.**

[FRANCE] SOCIÉTÉ FRANÇAISE DE MICROSCOPIE. Bulletin. Par., v.1, 1932–

NEW YORK MICROSCOPICAL SOCIETY. Annual exhibition (18., 1897) 19p. 16cm. N. Y., 1897.

American Microscopical Society. List of members and subscribers, corrected to January 30, 1938. Tr. Am. Micr. Soc., 1938, 57: 93–105.—**Beale, L. S.** Address; Annual meeting, 11th February, 1880, Royal Microscopical Society. J. R. Micr. Soc., Lond, 1880, 3: 202–24.—**Deflandre, G.** Glanures de microscopie historique; à propos d'une ancienne Société française de microscopie, 1880–1881. Bull. Soc. fr. micr., 1936, 5: 65–70.—**Hewlett, R. T.** One hundred years of microscopy: the Royal Microscopical Society. Nature, Lond., 1939, 144: 850–2.—**Sociétés** et institutions avec lesquelles la Société belge de microscopie est en relations d'échange. Ann. Soc. belge micr., 1900–06, 27: 113–9.

—— Specimen preparation.

See also such terms as **Dehydration; Embedding; Gold impregnation; Histology,** Method; **Mounting; Staining;** also terms directly related to microscopy as **Microdissection; Microincineration; Microsection; Microtomy; Micrurgy;** also special types of microscopy as **Microscopy, electron; Microscopy, fluorescence,** etc.

DAVIES, T. The preparation and mounting of microscopic objects. New ed. 214p. 17cm. Lond., 1905.

KURZE ANLEITUNG zur Herstellung mikroskopischer Präparate (Fixierungs-, Härtungs-, Einbettungs- und Färbungsmethoden) 41p. 12° Würzb., 1905.

Barnard, J. E., & Welch, F. V. A method of sealing wet preparations. J. R. Micr. Soc., Lond., 1934, 54: 29–31.—**Biffi, U.** Un nuovo metodo per l'allestimento delle preparazioni microscopiche a fresco. Bull. sc. med. Bologna, 1908, 8. ser., 8: 113; 204. Also Gazz. med. lombarda, 1908, 67: 171–3.—**Boissy, J.** Emploi de la potasse comme réactif éclaircissant pour l'examen microscopique de certaines poudres végétales. Bull. Soc. fr. micr., 1935, 4: 155–7.—**Bridré, J.** Examen microscopique des frottis sans coloration. C. rend. Soc. biol., 1917, 80: 332.—**Clerc, W.** Die Methode der Schliffe in ihrer Anwendung auf das Studium der Mikrostruktur der Holzkohle, Knochen und Holzfasern. Zschr. wiss. Mikr., 1927, 44: 417–34.—**Cooper, K. W., & Ris, H.** Handling small objects in bulk for cytological preparations. Stain Techn., 1943, 18: 175.—**Cordonnier, E.** Tour de main pour obtenir, sur une même préparation microbiologique deux plages comparatives: violet, violet-Gram. Bull. sc. pharm., Par., 1933, 40: 220.—**Courteville, H.** Montages directs et préparations semi-permanentes. Bull. Soc. fr. micr., 1937, 6: 137–43.—**Crozant, L. de.** Déchirures des coupes de botanique par déshydratation. Ibid., 47–9.—**Drasch, O.** Ueber die Herstellung von Delaminationspräparaten von Hühnerkeimschciben. Zschr. wiss Mikr., 1914, 31: 193–201, 6 pl.—**Evens, E. D.** Mounting freshwater algae, mosses, etc. J. Quekett Micr. Club, 1919–21, 2. ser., 14: 225–8.—**Gandara, G.** Técnica para hacer preparaciones microscópicas, según el sistema de los laboratorios de los Estados Unidos. Mem. Soc. Antonio Alzate, 1914, 32: 201–7.—**Hartz, P. H.** La fijación de las biopsias y de las piezas quirúrgicas para el examen microscópico. Rev. Policlín. Caracas, 1945, 14: 249–55.—**Herzog, A.** Ueber das Schleifen pflanzlicher Objekte zu mikroskopischen Zwecken. Zschr. wiss. Mikr., 1917–18, 34: 241–4, 5 pl.—**Kuhn, M. J.** Modification du procédé de Medvedev pour des préparation anatomiques en plaques. C. rend. Soc. biol., 1931, 106: 381.—**Lacoste, A., & Lachaud, R. de.** Préparation et utilisation d'un nouveau milieu de montage d'observation et de conservation des coupes histologiques avec ou sans lamelles. Bull. histol. appl., Lyon, 1943, 20: 159.—**Lathrop, G. E., & Krupp, R.** Microscopy of latex rubber-injected specimens. Am. J. Clin. Path., Techn. Sect., 1944, 8: 128–30.—**Lefébure, P.** Préparations en milieu liquide. Bull. Soc. fr. micr., 1934, 3: 37.—**Lewis, R. W.** An all-day water mount for microscope slides. Turtox News, 1949, 27: 230.—**Longstreet, A. H.** Device to facilitate mounting specimens on microscope slides. U. S. Patent Off., 1947, No. 2,417,802.—**Mayer, P.** Allerlei Mikrotechnisches; Knochen-, Knorpel- und Sponginfärbung; Gelatinekapseln; Chromoform; Fehlmanns und Faures Medien. Zschr. wiss. Mikr., 1916–17, 33: 238–47.—**Morrison, W.** The preparation of simple microscope slides. Turtox News, 1948, 26: 273: passim.—**Murray, G.** Microscopical specimens. Northumberland & Durham M. J., 1897, 5: 40.—**Peyrone', B.** Un vecchio e semplice procedimento per ottenere dei buoni preparati microscopici delle muffe. Gior. batt. immun., 1940, 24: 81–3.—**Ruckes, H.** Washing microscopic organisms. Science, 1918, 48: 44.—**Schild, E.** Küvetten-Mikroskopie. Wien. med. Wschr., 1949, 99: 235–8.—**Setälä, K.** Nestemäisen ilman käyttämisestä mikroskooppisten valmisteiden kiinnityksessä [The use of liquid air in fixation of microscopical specimens] Duodecim. Helsin., 1946, 62: 666–71.—**Spezia, G.** Sulla reazione del Van Deen. Cirillo, Aversa, 1904, 12: 136–8.—**Stewart, F. W.** General introduction to histological technique; a simplified account of microscopic slide preparation. Dent. Students Mag., 1945–46, 24: No. 10, 13–6.—**Streeter, G. L.** Technical experiences: cataloguing lantern slides; permanent dry-mounts of the larvngeal cartilages; the use of large tissue sections for demonstration purposes; degreasing bones. Anat. Rec., 1914, 8: 124.—**Strelin, G. S.** Sposob immobilizacii melkikh vodnykh zhivotnykh. Zool. J., Moskva, 1949, 28: 183–5.—**Terry, B. T.** Eine verbesserte, schnelle und leichte Methode, fixierte Gewebe für mikroskopische Untersuchungen mit reflektiertem oder durchfallendem Lichte zu präparieren. Münch. med. Wschr., 1924, 71: 1612.—**Walsem, G. C.** Praktische Notizen aus dem mikroskopischen Laboratorium; zur Entkalkungsfrage. Zschr. wiss. Mikr., 1927, 44: 328–31.—**Wilson, L. B.** A method for the rapid preparation of fresh tissues for the microscope. J. Am. M. Ass., 1905, 45: 1737.—**Wolf, J.** Ueber die Herstellung mikroskopischer Präparate der Oberflächen verschiedener Objekte mit Hilfe der Adhäsionsmethode. Zschr. wiss. Mikr., 1939, 56: 181–201.

—— Specimen preparation, permanent.

See also **Microscope slide; Mounting.**

STEPHENSON, E. M. Permanent microscopical preparations of animal material. 12p. 8° Birm., 1932.

Barghoorn, E. S. Use of phenol formaldehyde and vinyl resins in sealing liquid mounting media on microscope slides. Science, 1947, 106: 299.—**Barret, H. P., & Culp, T.** A method for the protection of microscopic mounts for mailing. J. Laborat. Clin. M., 1937–38, 23: 1300.—**Cassata, C.** Une nouvelle méthode facile et économique pour la conservation des préparés de microscopie et de parasitologie. Boll. Sez. ital. Soc. internaz. microb., 1932, 4: 11.—**Courteville, H.** La glycérine gélatinée en micrographie; préparation et méthode de montage. Bull. Soc. fr. micr., 1937, 6: 58–64.—**Crozant, L. de.** Nouvelle méthode de montage des préparations au baume du Canada. Ibid., 75–8.—**Droste, M. E.** A simple method of making permanent rings for glass slides. Am. J. Clin. Path., Techn. Sect., 1944, 8: 136.—**Heidenhain, M.** Ueber die Haltbarkeit mikroskopischer Präparate, insbesondere über die Nachbehandlung jodierter Gewebe mit Natriumthiosulfat. Zschr. wiss. Mikr., 1908, 25: 397–401.—**John, K.** Ueber die Verhütung der langsamen Entfärbung der in Kanadabalsam eingeschlossenen Präparate. Ibid., 1928, 45: 482–4.—**Kamptner, E.** Gehärteter Kopal-Oellack als Deckglaskitt für mikroskopische Dauerpräparate mit wässerigem Einschlussmedium. Ibid., 1936, 53: 170–7.—**Kenbikyō-teki** tyohin no hūten-ryō. Yakugaku zassi, 1883, 576–8.—**Kovács, N.** Ein einfacher Apparat zur mühelosen Herstellung von mikroskopischen feuchten Dauerpräparaten. Zbl. inn. Med., 1922, 43: 249.—**Liesegang, R. E.** Ersatz des Kanadabalsams bei histologischen Präparaten. Münch. med. Wschr., 1918, 65: 1327.—**Lutz, A.** A new method of enclosing and preserving small objects for microscopic examination. Vet. Bull., Lond., 1941, 11: 809.—**Neumann, K., & Hueber, J.** Verbesserte Methode zum Umranden von Glyzerinpräparaten. Zschr. wiss. Mikr., 1927, 44: 332.—**Neumayer, L.** Ein Beitrag zur Technik der Plattenmodelliermethode. Ibid., 1907, 24: 140–4.—**Parker, B. W.** An electrically-heated slide-ringing device. Science, 1934, 80: 456.—**Plaut, M.** Eine Präparatenverschlusskanne (D. R. G. M. 577570.) Venezianisches Terpentin als Deckglaskitt. Zschr. wiss. Mikr., 1913, 30: 476–8.—**Riemsdijk, M. v.** [Simple method of preserving microscopical smear preparations] Ned. tschr. geneesk., 1930, 74: pt 2, 5915–7.—**Rohnstein, R.** Eine einfache Conservierungsmethode für die Zwecke der klinisch-mikroskopischen Diagnostik. Fortsch. Med., 1902, 20: 41–4.—**Rosenbaum, R. M.** The use of clarite in preparing

whole microscopic mounts. Stain Techn., 1946, **21**: 73.—**Roussy, G.** Conservation de pièces macroscopiques dans le gélatine glycérinée en boîtes de Pétri. C. rend. Soc. biol., 1909, **66**: 308.—**Sand, K.** [Mounting permanent van Gieson-Hansen preparations (Preliminary communication)] Hospitalstidende, 1917, 8. R., **10**: 1221–6.—**Schweinberger, W.** Schnelle Herstellung mikroskopischer Dauerpräparate. Mikrokosmos, Stuttg., 1949–50, **39**: 114.—**Williams, G. R.** Permanent mounts of microscopic preparations. Am. Med., n. ser., 1912, **7**: 276–9.—**Wittlake, E. B.** Permanent prestaining in botanical microtechnic. Ohio J. Sc., 1944, **44**: 36–8.

—— spectral.

See **Microspectrography.**

—— stereoscopic.

See also **Microscope** (binocular; stereoscopic)

Bayard, A. Les projections stéréoscopiques par le procédé des anaglyphes. Bull. Soc. fr. micr., 1932, **1**: 28–31.—**Heimstädt, O.** Stereoscopic vision with the microscope. J. R. Micr. Soc., Lond., 1927, **47**: 331–4.—**Muñoz Urra.** Estereoscopía microscópica y ultramicroscópica. Progr. clín., Madr., 1920, **15**: 45; 85.—**Takagi, Z.** Kenbikyō-zō hukugō sōti ni tuite; tokuni seppen seisaku gizyutu ni tuite no iti kōsatu. Igaku & seibutugaku, 1944, **5**: 31. ——— & **Ro, U. R.** Sinkei sen-i-soku no kaibō; kenbikyō-zō hukugō sōti ni yoru kenkyū. Ibid., 33. ——— Sekizui zenkon no kaibō; kenbikyō-zō hukugō sōti ni yoru kenkyū. Ibid., 35–7.—**Welch, A. S.** Motion pictures with a binocular microscope. J. Biol. Photogr. Ass., 1938–39, **7**: 127–9.

—— Technic.

See also **Histology,** Technic; **Microtechnic;** also other subheadings of **Microscopy.**

Beccari, N. Elementi di tecnica microscopica. 217p. 16° Milano, 1916.

Chashin, S. S. Kratkij kurs mikroskopicheskoj tekhniki. 111p. 8° S. Peterb., 1910.

Cowdry, E. V. Laboratory technique in biology and medicine. 2. ed. 269p. 23½cm. Balt., 1948.

Enzyklopädie der mikroskopischen Technik. 3. Aufl. 3v. 8° Berl., 1926–27.

Kaiser, W. Die Technik des modernen Mikroskopes. 2. Aufl. 614p. 25½cm. Wien, 1906.

Pantin, C. F. A. Notes on microscopical technique for zoologists. 75p. 22½cm. Cambr., Engl., 1946.

Romeis, B. Taschenbuch der mikroskopischen Technik. 12. Aufl. 717p. 12° Münch., 1928. Also 13. Aufl. 801p. 8° 1932. Also 14. Aufl. 956p. 1943.

—— [The same] Mikroskopische Technik. 15. Aufl. 695p. 24½cm. Münch., 1948.

Stéphanidès, T. Contribution à la technique du microscope. 163p. 8° Par., 1929.

Tobias, J. C. The student's manual of microscopic technique with instructions for photomicrography. 210p. 8° Lond., 1936.

Carl. Zur mikroskopischen Technik. Münch. med. Wschr., 1922, **69**: 1785. Also Deut. tierärztl. Wschr., 1923, **31**: 149.—**Crossmon, G. C.** Optical staining of tissue. J. Optic. Soc. America, 1948, **38**: 417.—**Davenport, H. A., & Barnes, J. R.** The strip method for counting nerve fibers or other microscopic units. Stain Techn., 1935, **10**: 139–43.—**Denson, J. L.** Some practical points on the use of the microscope. Texas M. News, 1904–05, **14**: 441–5.—**Escomel, E.** Ligeras anotaciones sobre técnica microscópica. In his Obras cient., Lima, 1929, **2**: 18–21.—**Fay, A. C.** A generally applicable method for the enumeration of microscopic objects. J. Laborat. Clin. M., 1934–35, **20**: 1088.—**Forgan, W.** A simple method of obtaining a large field of view with the compound microscope. Proc. Scot. Micr. Soc., 1899–1903, **3**: 32–4.—**Frigimelica, C.** Due nuovi metodi di microcolorazione e nuovi principii di tecnica microscopica generica. Policlinico, 1939, **46**: sez. prat., 490–3.—**Gastinel, P.** Technique générale d'examen microscopique. In his Précis d. bact. méd., Par., 1949, 147–53.—**Hansemann, D. v.** Einige Bemerkungen zur mikroskopischen Technik. Berl. klin. Wschr., 1910, **47**: 1766.—**Kabsch.** Technisches aus dem Laboratorium. Zschr. wiss. Mikr., 1913, **30**: 68–72.—**Kisser, J., & Serentschy, W.** Eine einfache Reaktion zur Temperaturkontrolle bei der Herstellung pflanzlicher Aschenbilder. Mikroskopie, Wien, 1949, **4**: 376–9.—**Kornhauser, S. I.** Suggestions on the use of the microscope. Stain Techn., 1935, **10**: 91–4.—**Leishman, W. B.** The correction of errors of refraction for microscope work. Brit. M. J., 1912, 1: 123.—**McClung, C. E.** Cooperative technique. Anat. Rec., 1917–18, **12**: 363.—**Masson.** Note de technique microscopique. Bull. Soc. anat. Paris, 1909, **84**: 125.—**Microscopical** technic. J. Michigan M. Soc., 1935, **34**: 398–401.—**Perruche, L.** Le savon d'aluminium en technique microscopique. Bull. Soc. fr. micr., 1939, **8**: 147.—**Purkis, J. W.** Some suggestions regarding visual efficiency in the use of the microscope and other optical instruments. J. R. Micr. Soc., Lond., 1916, pt 3, 272–7.—**Ross, H.** First aid for the microscope; how physicians, pharmacists, and chemists can increase its efficiency. Merck Rep., 1943, **52**: No. 3, 14–8. Also Laborat. Digest, S. Louis, 1943–44, **7**: No. 11, 2–7.—**Schmelzer, W.** Das Formalin-Pressverfahren. Zschr. wiss. Mikr., 1932–33, **49**: 427–45.—**Walsem, G. C.** Praktische Notizen aus dem mikroskopischen Laboratorium; Immersionsöl, einfachste Färbezelle. Etikettieren. Ibid., 1923, **40**: 312–5.

—— Technic, special.

Capdecomme, L., & Cambon, T. Sur la mesure des pouvoirs réflecteurs de sections polies immergées sous le microscope. C. rend. Acad. sc., 1947, **224**: 816–8.—**Caspersson, T.** Die Absorptionsmessung im mikroskopischen Präparat als mikrochemische Methode. Skand. Arch. Physiol., Berl., 1937, **77**: 23.—**Gabler, F.** Ultraschall und mikroskopische Methoden der Ultraschalltechnik. Mikroskopie, Wien, 1948, **3**: 218–24.—**Kögel, P. R.** Ueber die Herstellung von Klar-Mattscheiben auf photochemischem Wege. Zschr. wiss. Mikr., 1920, **37**: 99.—**Lebrun, H.** Application de la méthode des disques rotatifs à la technique microscopique. Ibid., 1906, **23**: 145–73.—**Lefébure, P.** Le procédé aristochrom appliqué à la microphotographie. Bull. Soc. fr. micr., 1937, **6**: 79–81.—**Naumann, E.** Ueber die Kammerzählung von narkotisiertem Planktonmaterial. Zschr. wiss. Mikr., 1922, **39**: 153.—**Saylor, C. P.** Control and measurement of temperature under the microscope. In: Temperature (Am. Inst. Physics) N. Y., 1941, 673–81, illust.—**Vialli, M., & Reggiani, M.** Methoden für die Kolorimetrie und Photometrie mikroskopischer Präparate. Mikroskopie, Wien, 1949, **4**: 158–61.

—— Theory.

See also **Microscope,** Optics; **Microscope lens,** Resolving power; **Microscopy, electron,** Optics.

Ambronn, H. Ein Demonstrationsversuch zur Abbeschen Theorie der mikroskopischen Wahrnehmung. Zschr. wiss. Mikr., 1913, **30**: 289–99.—**Berek, M.** Zur Theorie der Abbildung im Mikroskop. Optik, Stuttg., 1946, **1**: 475–86.—**Conrady, A. E.** Note on an early criticism of the Abbe theory. J. R. Micr. Soc., Lond., 1906, 645–7.—**Dempster, W. T.** Visual factors in microscopy. J. Optic. Soc. America, 1944, **34**: 711–7.—**Herzberger, M.** Theory of microscope vision. Ibid., 1936, **26**: 52–62.—**Joos, G., & Köhler, A.** Ueber die Abbesche Mikroskoptheorie und die mit ihr zusammenhängenden Kohärenzfragen. Naturwissenschaften, 1942, **30**: 553–63.—**Langeron, M. C. P.** Théorie d'Abb e. In his Précis d. micr., 7. éd., Par., 1949, 63–5.—**Leffler, G. H.** Optical principles in practical microscopy. X-ray Technician, 1933–34, **5**: 162–5.—**Strehl, K.** Beugungsbild und Absorptionsbild. Zschr. wiss. Mikr., 1905, **22**: 1–10.—**Walsen, G. C. v.** Hat das Massenwirkungsgesetz für die mikroskopische Praxis irgendwo besondere Bedeutung? Ibid., 1927, **44**: 480.

—— Ultramicroscopy.

See also **Colloid chemistry; Microscopy, electron;** also in 3. ser., **Ultramicroscopy.**

Bechhold, H., & Sierakowski, S. Erfahrungen mit der Goldverstärkungsmethode zur Sichtbarmachung ultravisibler Gebilde. Zschr. Hyg., 1926, **106**: 580–6.—**Bechhold & Villa.** Die Sichtbarmachung subvisibler Gebilde. Zbl. Bakt., 1. Abt., 1925–26, **97**: 162–71.—**Blunck-Mirow, G.** Eine einfache Anordnung zur Ultramikroskopie. Naturwiss. Wschr., 1915, **14**: 494.—**De Blasi, D.** Saggi di osservazione ultramicroscopica. Bull. Accad. med. Roma, 1906, **32**: 248–54.—**Dufour, Lamy & Pacaud.** Sur les observations ultramicroscopiques. C. rend. Soc. biol., 1928, **98**: 1138.—**Frey, A.** Das Reich des Ultramikroskopischen in der Biologie. Protoplasma, Lpz., 1928, **4**: 139–54.—**Gordon, J. W.** High power microscopy. Proc. R. Inst. Gr. Britain (1905), 1906–07, **18**: 11–22, 3 pl.—**Gradenwitz, A.** Ein neuer Fortschritt der Mikroskopie. Mikrokosmos, Stuttg., 1926–27, **20**: 165.—**Heine, H.** Der Ultropak. Zschr. wiss. Mikr., 1931–32, **48**: 450–65, 4 pl.—**Ignatovski, V. S.** Ultramikroskopia. Protok. zasied. Obshch. morsk. vrach. Kronstadt (1904–05) 1907, **42**: No. 2, 61–70.—**Kögel, G.** Die ultramikroskopischen Verfahren und Hilfsmittel. In: Handb. d. Pflanzenanalyse (Klein, G.) Wien, 1931, **1**: 406–10.—**Kosonogov, I. I.** [Alteration in the process of ultramicroscopy of fluids] Univ. izv., Kiev (1912–13) 1914, **54**: Protok. Fiz. med. obshch., 8–18.—**Krause, F., & Mahl, H.** Die übermikroskopische Oberflächenabbildung medizinischbiologischer Objekte nach dem Abdruckverfahren. Kolloid Zschr., 1943, **105**: 53–5.—**Langeron, M. C. P.** Notions sur l'ultramicroscopie. In his Précis d. micr., 7. éd., Par., 1949, 280–4.—**Poser, M.** Ultramicroscopy. In: Colloid Chem. (Alexander, J.) N. Y., 1926, **1**: 814–6.—**Thirkill, H.** Ultramicroscopy and ultramicroscopic particles. Science Progr., Lond., 1909, **4**: 55–89.

—— ultraviolet.

See also **Microscope, ultraviolet; Microscopy, fluorescence; Microscopy, phase-contrast.**

Barnard, J. E. Some aspects of ultra-violet microscopy. J. R. Micr. Soc., Lond., 1929, **49**: 91–101, 3 pl. ——— & **Welch, F. V.** Microscopy with ultraviolet light; a simplification of method. Ibid., 1936, **56**: 365–71, pl.—**Brumberg, E. M.** [New method of microscopy in ultra-violet rays] Bull. Acad. sc. URSS, 1942, **6**: 32–41.—**Caspersson, T.** Ultraviolettmikroskopien och dess användningsområden. Nord. med. tskr., 1934, **7**: 337–40. ——— Ueber Ultraviolettmikroskopie. Zeiss Nachr., 1939–40, 3. Folge, 61–9.—**Johnson, B. K.** Notes on ultra-violet microscopy. J. R. Micr. Soc., Lond., 1931, **51**: 268–71, 4 pl.—**Köhler.** Die Untersuchung ungefärbter Gewebe mit ultraviolettem Lichte. Verh. Kongr. inn. Med., 1906, **23**: 666.—**Koga, A., & Amano, S.** Ultraviolettmikroskopie in der Pathologie. Tr. Soc. path. jap., 1940, **30**: 115–20.—**Langenbruch, H.** Eine neue Filtertechnik für die Ultraviolett-Mikroskopie. Arch. Krim., 1943, **113**: 1–4, pl.—**Larionov, L. P., & Brumberg, E. M.** Living and dead cells under the ultraviolet microscope. Am. Rev. Soviet M., 1947–48, **5**: 111–4.—**Lavin, G. I.** Simplified ultraviolet microscopy. Rev. Sc. Instrum., 1943, **14**: 375.—**Loofbourow, J. R., & Bear, R. S.** Developments in ultraviolet microscopy. Annual Rep. Com. Growth (Nat. Res. Counc.) 1948–49, **4**: 116.—**Lucas, F. F.** Late developments in high power and ultra violet microscopy; their value from an accident prevention viewpoint for detecting flaws in metal structures. Tr. Nat. Safety Counc., 1936, 25. Congr., **1**: 193–5.—**Moiseev, E. A.** Issledovanie khromatofilnogo veshchestva citoplazmy nervnykh kletok pri pomoshchi ultrafioletovogo mikroskopa; nervnye kletki spinalnykh gangliev vzroslogo zhivotnogo. Fiziol. zh. SSSR, 1947, **33**: 557–62, pl.—**Saxe, E.** Extremste Mikroskopie. Umschau, 1929, **33**: 560–2.—**Smiles, J.** Darkground illumination in ultra-violet microscopy. J. R. Micr. Soc., Lond., 1933, **53**: 203–12.

MICROSCOPY, darkfield.

See also **Microscopy,** Methods.

Arning, E. Neue Anwendungsweise der von Siedentopf angegebenen Dunkelfeldbeleuchtung. Deut. med. Wschr., 1907, **33**: 2118.—**Balázsy, D.** Zur Glimmertechnik. Zschr. wiss. Mikr., 1906, **23**: 12–4.—**Gage, S. H.** Modern dark-field microscopy and the history of its development. Tr. Am. Micr. Soc., 1920, **39**: 95–141.—**Graf, H.** Improvisierte Dunkelfeldmikroskopie. Deut. Militärarzt, 1941, **6**: 166.—**Jeantet, P** L'examen sur fond noir au microscope des préparations fixées et colorées. C. rend. Soc. biol., 1925, **93**: 805.—**Kern, C.** Fluoreszenz- und Beugungserscheinungen im Dunkelfeld. Zschr. wiss. Mikr., 1926, **43**: 305–37.—**Knack, A. V.** Die Untersuchung im künstlichen Dunkelfeld. Zbl. Bakt., 1. Abt., 1915, **76**: Orig., 235.—**Langeron, M. C. P.** Technique de l'examen sur fond noir. In his Précis d. micr., 7. éd., Par., 1949, 276–80, illust.—**Maey, E.** Die räumliche Lagerung von Kanten im mikroskopischen Objekt bei Dunkelfeldbeleuchtung. Zschr. wiss. Mikr., 1912, **29**: 48–57.—**Oelze, F. W.** Dunkelfelduntersuchungen und Azimutfehler. Zbl. Bakt., 1. Abt., 1921–22, Orig., **87**: 76–80. ——— Methodik der Dunkelfeldmikroskopie. In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1939, Abt. 12, T. 2, Bd 1, 413–82.—**Shmamine, T.** Agar als Einschlussmedium für die Untersuchung im Dunkelfeld. Zbl. Bakt., 1. Abt., 1926–27, **101**: 279–81.—**Siedentopf, H.** Ueber mikroskopische Beobachtungen bei Dunkelfeldbeleuchtung. Zschr. wiss. Mikr., 1908, **25**: 273–81, pl.—**Voigt, J.** Zur Technik der Dunkelfelduntersuchung unter Verwendung kolloider Metalle für anatomische und physiologische Untersuchungen. Zschr. Zellforsch., 1925–26, **3**: 229–34.

—— Condenser.

See also **Microscope condenser.**

ENGELMANN, F. Ein neuer Kondensor für Dunkelfeldbeleuchtung. Münch. med. Wschr., 1925, **72**: 247.

Kraft, P., & Straubel, R. Dark-field condenser for microscopes. U. S. Patent Off., 1935, No. 1,999,240.—**Maynar, ?** Dispositivo para utilizar el condensador ordinario como condensador de fondo negro en ultra-microscopía. Tr. Soc. biol., Barcel., 1916, **4**: 76–8, pl.—**Oelze, F. W.** Neuere Dunkelfeld- und Helldunkelfeldkondensoren. Derm. Wschr., 1928, **87**: 1639–45.—**Péterfi, T.** Die Präparier-Wechsel-Kondensoren und ihre Handhabung bei Dunkelfeld-Manipulationen. Zschr. wiss. Mikr., 1926, **43**: 186–214.—**Young, S.** An improvised dark ground condenser. J. R. Army M. Corps, 1943, **80**: 41.

—— Condenser, cardioid and paraboloid.

Lange, L. B. A method of centering the cardioid darkfield condenser. J. Laborat. Clin. M., 1930–31, **16**: 80.—**Siedentopf, H.** Paraboloid-Kondensor, eine neue Methode für Dunkelfeldbeleuchtung zur Sichtbarmachung und zur Moment-Mikrophotographie lebender Bakterien etc. (insbesondere auch für Spirochaeta pallida) Zschr. wiss. Mikr., 1907, **24**: 104–8. ——— On the theory of the reflecting condenser for dark-field llumination. J. R. Micr. Soc., 1929, **49**: 349–58.

—— Illumination.

See also **Microscope illumination,** Köhler system.

Ainslie, M. A. Dark-ground illumination in microscopical work. J. R. Army M. Corps, 1913, **20**: 379–414, pl.—**Berck, M.** Ueber selektive Beugung im Dunkelfeld und farbige Dunkelfeldbeleuchtung. Zschr. wiss. Mikr., 1921, **38**: 237–57.—**Goosman, C.** Dark-ground illumination with ordinary microscope equipment. J. Am. M. Ass., 1909, **52**: 1580.—**Hittmair, A.** Die Dunkelfeldbeleuchtung. In: Handb. allg. Hämat. (Hirschfeld), Berl., 1933, **2**: 1. Hälfte, 21–8.—**Kraemer, W.** Anwendung der Schlierenmethode zur Dunkelfeldbeleuchtung. Zschr. wiss. Mikr., 1926, **43**: 390–3.—**Kronberger, H.** Eine einfache Methode der Dunkelfeldbeleuchtung. Deut. med. Wschr., 1919, **45**: 662.—**Langeron, M. C. P.** Eclairage à fond noir et ultramicroscopie. In his Précis d. micr., 7. éd., Par., 1949, 259–84, illust.—**Metz, C.** Die Leitzsche Dunkelfeldbeleuchtung bei Verwendung der homogenen Oelimmersion. Zschr. wiss. Mikr., 1905, **22**: 114–8.—**Muñoz, F. J.** Darkfield illumination technics. Merck Rep., 1944, **53**: No. 3, 18–20.—**Nelson, E. M.** On dark-ground illumination. J. Quekett Micr. Club, 1910–12, 2. ser., **11**: 203–8.—**Parsons, H. H.** A substitute darkfield. Mil. Surgeon, 1940, **87**: 540.—**Price, S. R.** The method of dark-ground illumination in botanical research. Science Progr., Lond., 1913, **5**: 343–54.—**Stokes, W. B.** On resolutions obtained with dark-ground illumination and their relation to the spectrum theory. J. Quekett Micr. Club, 1910–12, 2. ser., **11**: 497–500.

—— Lamp.

See also **Microscope illuminator; Microscope lamp.**

Falkenthal. Eine neue Dunkelfeldlampe. Zbl. Bakt., 1. Abt., 1921–22, Orig., **87**: 398–400.—**Gerlach, J. J.,** jr. New dark field microscope illuminator for opaque objects producing annular, cross fire, and indirect illumination. Rev. Sc. Instrum., 1931, **2**: n. ser., 412–5.—**Harrison, L. W.** A simple lamp for dark-ground illumination. Lancet, Lond., 1917, 2: 500.—**Oelze, F. W.** Mikroskopierlampen für Dunkelfeldbeleuchtung. Derm. Wschr., 1928, **87**: 1022–8.—**Shipley, R. M.** Dark field illuminator. U. S. Patent Off., 1939, No. 2,157,437.—**Smiles, J., & Barnard, J. E.** The correction of high-angle dark-ground illuminators. J. R. Micr. Soc., Lond., 1924, pt 4, 365–73.—**Witlin, B.** Darkfield illuminators in microscopy. Science, 1945, **102**: 41.—**Wood, R. M.** A darkfield colony illuminator. Am. J. Pub. Health, 1947, **37**: 205.

—— Medical application.

See also **Syphilis,** Diagnosis; **Treponema pallidum,** Examination; also such headings as **Bacteriology,** Methods and technic, etc.

C., E. P. Dark-field microscopic technic, advantages of high dry objective and other hints. Bumed News Lett., Wash., 1943, **2**: No. 2, 18.—**Casselman, A. J.** Darkfield facilities in New Jersey. J. M. Soc. N. Jersey, 1936, **33**: 369–71.—**Kleefeld, G.** Le focaliseur d'ombre (shadow-casting device) comme aide pour la localisation en biomicroscopie oculaire. Bull. Soc. belge opht., 1948, 438–43.—**Konzelmann, F. W.** Dark-field microscopy. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **2**: 100–9.—**Mahoney, J. F., & Bryant, K. K.** Delayed dark-field examination. Vener. Dis. Inform., 1930, **11**: 103–8. Also Army M. Bull., 1938, No. 44, 84–92.—**Mazzotti, L.** Examen microscópico de campo oscuro. Rev. méd. veracruz., 1942, **22**: 3646.—**Posner, C.** Die Verwendbarkeit der Dunkelfeldbeleuchtung in der klinischen Mikroskopie. Berl. klin. Wschr., 1908, **45**: 1444–7; Disc., 1469; 1471.—**Reynolds, F. W., & Hesbacher, E. N.** Darkfield microscopy; some principles and applications. J. Vencr. Dis. Inform., 1950, **31**: 17–23.—**Witlin, B.** Technic of darkfield microscopy. Vener. Dis. Inform., 1943, **24**: 297.

MICROSCOPY, electron.

See also **Microscope,** Ultramicroscope; **Microscopy,** Ultramicroscopy.

Börsch, H. Ioneübermikroskopie. Experientia, Basel 1948, **4**: 1–5.—**Bragg, L.** Seeing ever-smaller worlds. Proc. R. Inst. Gr. Britain (1941–43) 1944, **32**: 475–81.—**Bretschneider, L. H.** Das Prinzip des Elektronenmikroskopes. Mikroskopie, Wien, 1948, **3**: 12–22.—**Bueker, E. D.** We keep on looking for smaller things. Q. Chicago M. School, 1943–44, **4**: 10.—**Electrons** now extend vision. Laboratory, Pittsb., 1941, **12**: 34.—**Goldschvartz, J. M.** Microscopía electrónica. Cienc. & invest., B. Air., 1948, **4**: 246–8.—**Haine, M. E.** Microscopy with electrons. Brit. Sc. News, 1948–49, **2**: 66–9.—**Hillier, J.** New worlds for study. Sc. Month., 1949, **69**: 161–8.—**Kellenberger, E.** Microscopie électronique. Experientia, Basel 1948, **4**: 449; 1949, **5**: 253.—**Langeron, M. C. P.** Microscopie électronique. In his Précis d. micr., 7. éd., Par., 1949, 1385.—**Mundo (Um)** infinitesimal. Impr. med., Rio, 1941, 17: No. 335, 129–31.—**Policard, A.** Aperçu sur l'état actuel de la microscopie électronique. Bull. histol. appl., Lyon, 1946, **23**: 164–70.—**Renda, C.** Fondamenti della microscopia elettronica. Policlinico, 1949, **56**: sez. prat., 1142–4.—**Ruska, E.** Das

Elektronenmikroskop als Uebermikroskop. Forsch. & Fortschr. 1934, **10**: 8.—**Scott, R. A.** Electron microscopy. Science Progr., Lond., 1947, **35**: 638–51, pl.—**Sharp, D. G.** Electron microscope; new tool for research. Mod. Hosp., 1945, **65**: No. 3, 81–3.—**Sjöstrand, F.** Electron-microscopic examination of tissues. Nature, Lond., 1943, **151**: 725.—**Wyckoff, R. W. G.** Some recent developments in the field of electron microscopy. Science, 1946, **104**: 21–6.—**Zworykin, V. K., & Hillier, J.** Electronic microscopy. Sc. Month., 1944, **59**: 165–79.

—— Accessories.

See also other subdivisions.

Abrams, I. M., & McBain, J. W. A closed cell for electron microscopy. Science, 1944, **100**: 273.—**Barbour, I.** A pantograph and tilting stage for use with nuclear plates. Rev. Sc. Instrum., 1949, **20**: 530.—**Barss, W. M.** Two accessories for the electron microscope laboratory (A) specimen stage (B) plate reader. Canad. J. Res., 1946, **24**: F, 402–5, pl.—**Ellis, S. G.** The use of diaphragms in the electron microscope. Ibid., 1947, **25**: A, 322–37.—**Grey, C. E.** An electron microscope specimen punch. Rev. Sc. Instrum., 1948, **19**: 369.—**Hoffmann, K.** Ueber eine neue Lichtquelle für die Ultramikroskopie, die Hg-Höchstdrucklampe. Kolloid Zschr., 1938, **83**: 9–13, 2 pl.—**Müller, H. O.** Einrichtung zur genauen Exponierung übermikroskopischer Aufnahmen. Ibid., 1944, **109**: 152–6.—**Quynn, J. T.** Adjustable aperture for electron microscope, RCA type EMU. Rev. Sc. Instrum., 1948, **19**: 472.—**Simard, G. L., & Stryker, C. R.** A diffraction specimen holder for electron microscopes. Ibid., 1945, **16**: 146–8.—**Stuhlman, O., jr.** Two-stage magnetic electron microscope projector. In his Introd. Biophysics, N. Y., 1943, 342–5.

—— Application.

See also other subdivisions.

Uebermikroskop (Das) als Forschungsmittel; Vorträge, gehalten anlässlich der Eröffnung des Laboratoriums für Uebermikroskopie der Siemens & Halske A. G., Berlin. 104p. 21½cm. Berl., 1941.

Bretschneider, L. H. Anwendung und Ergebnisse der Elektronenmikroskopie. Mikroskopie, Wien, 1948, **3**: 160–75.—**Dupouy, G.** Quelques travaux effectués avec le microscope électronique magnétique. Rev. opt., Par., 1950, **29**: 89–100.—**Gölz, E.** Das Elektronenmikroskop als Gebrauchsgerät. Umschau, 1943, **47**: 149–51.—**Harrington, J.** Seeing with electricity; new electron microscopes now being developed far outdo high-powered optical microscopes, reveal a world hitherto unseen by man. Sc. American, 1940, **163**: 20–3.—**Krause, F.** Das magnetische Elektronenmikroskop und seine Anwendung in der Biologie, Kolloidchemie und Medizin. Radiologica, Berl., 1938, **3**: 122–45, 2 pl.—**Lot, F.** Le microscope électronique et l'infiniment petit. Nature, Par., 1947, 9–11.—**Marton, L.** Le microscope électronique et ses applications. Rev. opt., Par., 1935, **14**: 129–45. ——— Bemerkungen zu der Arbeit: Einige praktische Anwendungen der Elektronenoptik, von Dr Fritz Luft. Röntgenpraxis, 1938, **10**: 352.—**National (The) Research Council's Committee on the Applications of the Electron Microscope.** Science, 1942, **95**: 348.—**Schaper, A.** Sélection des taureaux au microscope électronique. Nature, Par., 1948, 310.—**Watson, J. H. L.** Applied electron microscopy. Canad. J. Res., 1943, **21**: Sect. A, 89–98, 7 pl.

—— Biological application.

See also **Cytology, Methods**; also under names of cellular and tissue elements as **Cell, Chondriosome; Chromosome**, etc.

Broussy, J. Microscope électronique et biologie; les applications de l'optique corpusculaire à la découverte de l'infiniment petit. J. méd. Lyon, 1950, **31**: 1–11.—**Claude, A.** Electron microscopy of animal cells. Proc. N. York Ass. Pub. Health Laborat., 1946, **26**: 12–6.—**Cordier, M.** El microscopio electrónico y sus aplicaciones a la biología. An. med. cir., Barcel., 1949, **26**: 1–9.—**Donovan, G. E.** Biological applications of the electron microscope. Nature, Lond., 1944, **154**: 356–8.—**Frey-Wyssling, A., & Blank, F.** Ermittlung submikroskopischer Strukturen. Tabulae biol., Gravenh., 1948, **19**: 30–71.—**Groupé, V.** Surface striations of Euglena gracilis revealed by electron microscopy. Proc. Soc. Exp. Biol., N. Y., 1947, **64**: 401–3.—**Haam, E. v., & Schuh, M.** Cytologic studies with the electron microscope. J. Techn. Meth., Toronto, 1942, No. 22, 75–80.—**Huber, W., & Haasser, C.** Electron-microscope study of the peritrophic membrane in Dixippus morosus. Nature, Lond., 1950, **165**: 397.—**Krause, F.** Die Darstellung von Geweben mit dem Elektronenübermikroskop. Med. Klin., Berl., 1944, **40**: 475.—**Lelli, G.** Microscopio elettronico e prime applicazioni in biologia. Oncologia, Roma, 1949, **23**: 203–6.—**Lépine, P.** Les applications biologiques du microscope électronique. Atomes, Par., 1948, **3**: 3–8.—**Marton, L.** La microscopie électronique des objets biologiques. Bull. Acad. Belgique, 1934, 5. ser., **20**: 439; 1935, 5. ser., **21**: 606. ——— Le microscope électronique et son application en biologie. Bull. Soc. philomath. Paris (1936) 1937, **119**: 54–67. ——— Le microscope électronique en biologie. Acta Unio internat. cancr., Par., 1939, **4**: 221–9. Also Annual Rev. Biochem., 1943, **12**: 587–614.—**Nielsen, J. E.** Electron microscope reveals a possible valve structure of Amphiplcura pellucida. Tr. Am. Micr. Soc., 1947, **66**: 140–3.—**Okuno, H.** Keisō saihō-maku no densi-kenbikyō-teki kansatu [Observations on the cell-membranes of diatoms by means of the electron-microscope] Kagaku, 1950, **20**: 40; passim.—**Ruska, E.** Bemerkungen zu der Arbeit von F. Krause, Das magnetische Elektronenmikroskop und seine Anwendung in der Biologie. Naturwissenschaften, 1938, **26**: 759. ——— & **Frühbrodt, E.** Die Uebermikroskopie als Untersuchungsverfahren. Biologe, Münch., 1940, **9**: 69–75, 4 pl.—**Schmitt, F. O.** Some commentaries on electron microscopy as applied in biology. Fed. Proc., Balt., 1949, **8**: 530–5.—**Sen, A. N.** The electron microscope and its use in biology. Ind. M. Gaz., 1946, **91**: 247–50, pl.—**Signer, R., & Studer, H.** Erforschung biologischer Strukturen mit Hilfe des Elektronenmikroskops. Chimia, Zür., 1947, **1**: 136.—**Sponsler, O. L., & Bath, J. D.** Electron microscope studies of submicroscopic structures of Ankistrodesmus falcatus. Am. J. Bot., 1949, **36**: 756–8, illust.—**Williams, R. C.** Some possibilities of the electron microscope in biology. Michigan Pub. Health, 1946, **34**: 207. ——— The electron microscope in biology. Growth, Ithaca, 1947, **11**: 205–22.—**Wyckoff, R. W. G.** An electron microscopic study of the antigen-antibody reaction. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 341.

—— Chemical, industrial, and physical application.

See also such terms as **Cellulose; Dispersion; Powder, Examination; Soap**, etc.

Anderson, T. F. The study of colloids with the electron microscope. In: Advance. Colloid Sc. (E. O. Kraemer et al.) N. Y., 1942, **1**: 353–90.—**Bates, T. F.** The electron microscope applied to geological research. Tr. N. York Acad. Sc., 1948–49, **11**: 100–7.—**Beischer, D.** Das Elektronenmikroskop als neues Hilfsmittel der Kolloidforschung. Forsch. & Fortschr., 1938, **14**: 296–8.—**Boersch, H.** Ueber die Kontraste von Atomen im Elektronenmikroskop. Zschr. Naturforsch., 1947, **2a**: 615–33.—**Clews, C. J. B.** Metallurgical applications of the electron microscope. Nature, Lond., 1950, **165**: 390–3.—**Donnet, J. B.** Etude des sols de V_2O_5 au microscope électronique. C. rend. Acad. sc., 1948, **227**: 508–10.—**Hall, C. E., & Schoen, A. L.** Application of the electron microscope to the study of photographic phenomena. J. Optic. Soc. America, 1941, **31**: 281–5.—**Hass, G., & Kehler, H.** Ueber eine temperaturbeständige und haltbare Trägerschicht für Elektroneninterferenzaufnahmen und übermikroskopische Untersuchungen. Kolloid Zschr., 1941, **95**: 26–9.—**Hillier, J.** Electron microscopy and microanalysis; new methods in chemistry. In: Recent Advanc. Analyt. Chem., N. Y., 1949, 103–56, illust.—**Kitaigorodsky, I. I.** Electron microscope and investigation of the structure of ceramic materials. C. rend. Acad. sc. URSS, 1945, **48**: 563, pl.—**Kühle, L.** Werden Moleküle sichtbar? Med. techn. Mitt. Schweiz., 1945, 2–4.—**Malfatti, M. G.** La ultramicroscopía y las estructuras moleculares a través de los rayos roentgen. Día méd., B. Air., 1945, **17**: 600–4.—**Molekül-Gitter** im Elektronen-Mikroskop. Kolloid Zschr., 1949, **114**: 167, illust.—**Moore, C. A.** Some geological applications of the electron microscope. Proc. Oklahoma Acad. Sc. (1946) 1947, **27**: 86–90.—**Raether, H.** Elektronenmikroskopische Untersuchung elektrolytisch polierter Metallflächen. Optik, Stuttg., 1946, **1**: 69–75.—**Robillar, J.** Utilisation du microscope électronique dans l'industrie optique; application à l'étude des couches antiréfléchissantes. Rev. opt., Par., 1949, **28**: 129–45.—**Schoenholz, D., & Kimball, C. S.** The electron microscope studies; bright-drying wax dispersions. Soap, N. Y., 1947, **23**: No. 8, 131–5.—**Sedlecky, I. D.** [Electronic microscope and its rôle in colloidal chemistry] Priroda, 1944, **33**: 60–2.—**Villanova, A. C.** A microscopía eletrônica e a pesquisa científica. Rev. quím. farm., Rio, 1949, **14**: 177–82.—**Wambacher, H.** Mikroskopie und Kernphysik. Mikroskopie, Wien, 1949, **4**: 92–110.—**Watson, J. H. L.** Electron microscopy of radiation polymerization products. J. Phys. Colloid Chem., 1948, **52**: 470–4.—**Wyckoff, R. W. G.** The electron microscopy of macromolecular crystals. Collect. Repr. U. S. Nat. Inst. Health, 1948, **2**: No. 100A, 292–4, 4 pl. ——— The electron microscopy of particle suspensions. In his Electron Micr., N. Y., 1949, 117–49, illust.—**Zahn, H.** Zur Elektronenmikroskopie der Naturseide. Kolloid Zschr., 1949, **112**: 91–4, illust.

—— Congresses, and societies.

Conference on electron microscopy. London Newslett., Lond., 1947, **1**: No. 13, 7.—**Conference** on electron microscopy at Delft. Nature, Lond., 1949, **163**: 759; 164: 481.—**Cosslett, V. E.** Electron microscopy conference. Ibid., 32–4.—**Möllenstedt, G.** Erste Tagung der Deutschen Gesellschaft für Elektronenmikroskopie in Mosbach/Baden vom 23. und 24. April 1949. Kolloid Zschr., 1949, **113**: 130.

—— Current stabilization.

Crane, H. R. Additional stabilization for the beam current in the RCA Type B electron microscope. Rev. Sc. Instrum., 1945, **16**: 58.—**Cuckow, F. W.** Beam current stability in RCA electron microscopes. Ibid., 293.

—— Fluorescent-screen viewer.

Bishop, F. W. A device for producing an easily identified area on the electron microscope specimen screen. Rev. Sc. Instrum., 1949, **20**: 324. ——— A technique for the production of silica-filmed electron microscope screens in quantity. Ibid., 529.—**Merling, K. B.** A new fluorescent screen for the electron microscope. Nature, Lond., 1949, **163**: 541.

—— Gábor principle.

GÁBOR, D. The electron microscope; its development, present performance and future possibilities. Rev. ed. 164p. 21cm. Brooklyn, 1948.

Gábor, D. A new microscopic principle. Nature, Lond., 1948, **161**: 777. ——— Microscopy by reconstructed wavefronts. Proc. R. Soc., Lond., ser. A, 1949, **197**: 454–87, 3 pl.

—— History.

See also **Microscope**, History; **Microscopy**, History.

HAWLEY, G. G. Seeing the invisible; the story of the electron microscope. 195p. 19cm. N. Y., 1945.

PLENK, H. Von der Lupe zum Elektronenmikroskop. 67p. 20½cm. Wien, 1948.

Cosslett, V. E. Recent advances in electron microscopy in the United Kingdom. Research, Lond., 1947–48, **1**: 293–304.—**Gröttrup, H.** Entwicklung und Stand der Elektronenmikroskopie. Zschr. wiss. Mikr., 1938, **55**: 289–96.—**Kärsten, W.** Der Stand der Uebermikroskopie. Zschr. ges. Naturwiss., 1940, **6**: 192–4.—**Kinder, E.** Die Entwicklung der Elektronenmikroskopie in den USA. Grenzgeb. Med., 1949, **2**: 54–61.—**Martin, L. C., Parnum, D. H., & Speak, G. S.** A report on experimental work on the development of the electron microscope. J. R. Micr. Soc., Lond., 1939, **59**: 203–16, 3 pl.—**Reed, R.** Progress in electron microscopy. Nature, Lond., 1947, **160**: 762.—**Rüchardt, E.** Neuere Entwicklung und neuere Ergebnisse der Elektronenmikroskopie. Münch. med. Wschr., 1938, **85**: 1832–7.—**Williams, R. C.** Recent developments in electron microscopy. J. Washington Acad. Sc., 1948, **38**: 283.

—— Image.

See also subheading (Optics)

Börsch, H. Ueber Ränder in elektronenmikroskopischen Abbildungen. Kolloid Zschr., 1944, **106**: 169–74, pl.—**Borries, B. v., & Ruska, E.** Eigenschaften der übermikroskopischen Abbildung. Naturwissenschaften, 1939, **27**: 281–7.—**Hillier, J.** Some remarks on the image contrast in electron microscopy and the two-component objective. J. Bact., Balt., 1949, **57**: 313–7.—**Kisch, B.** A crossed-fibre effect in electron microscopy. Exp. M. & S., 1948, **6**: 366.—**Lépine, P.** Premières images biologiques obtenues avec un microscope électronique de construction française. Ann. Inst. Pasteur, Par., 1946, **72**: 656.—**Mahl, H.** Ueber die Deutung übermikroskopischer Elektronenbilder. Optik, Stuttg., 1947, **2**: 106–13.—**Risco.** Images microscopiques correspondant à un électron illuminé. J. phys. radium., Par., 1947, **8**: 123–8. ——— Images microscopiques produits par un faisceau d'électrons de recul. Ibid., 1948, **9**: 150–2.—**Ruska, E.** Beitrag zur übermikroskopischen Abbildung bei höheren Drucken. Kolloid Zschr., 1942, **100**: 212–9.—**Villanova, A. C.** Modificações dos especimes na microscopía eletrônica, determinada pela emissão catódica. Rev. quím. farm., Rio, 1949, **14**: 123–6, pl.—**Zworykin, V. K.** Image formation by electrons. Symnos. Quant. Biol., 1941, **9**: 194–7, pl. Also Sigma Xi Q., 1941, **29**: 3–22. Also in Science in Progr. (Baitsell, G. A.) N. Haven, 1942, 3. ser., 69–107.

—— Magnetic lens.

See also other subdivisions (Optics; Resolving power)

AMALDI, E. Le lenti elettroniche. p.362–415. 24½cm. Roma, 1943.
In: Rendic. Ist. sup. san., Roma, 1943, **6**:

Barden, R. B. Magnification, 100,000 times. Univ. South. California M. Bull., 1948, **1**: 14–7.—**Bertein, F.** Optique électronique; une méthode de calcul des aberrations de forme des lentilles électrostatiques. C. rend. Acad. sc., 1947, **225**: 863–7. ——— & **Regenstreif, E.** Sur l'aberration d'ellipticité des lentilles électrostatiques. Ibid., **224**: 737–9. ——— Emploi des rayons marginaux dans l'étude des dissymétries chez les lentilles électrostatiques. Ibid., 1949, **228**: 1854–6.—**Borries, B. v.** Ein magnetostatisches Objektiv-Projektiv-System für das Elektronenmikroskop. Kolloid Zschr., 1949, **114**: 164–7. ——— **Ruska, E.** [et al.] Uebermikroskopische Abbildung mittels magnetostatischer Linsen. Naturwissenschaften, 1940, **28**: 350.—**Chanson, P., Ertaud, A., & Magnan, C.** Sur l'aberration de relativité des lentilles électrostatiques, excitées au potentiel de la cathode. C. rend. Acad. sc., 1944, **218**: 912. ——— Détermination des éléments du premier order des lentilles électrostatiques symétriques. Ibid., 1945, **221**: 233–5.—**Gábor, D.** A zonally corrected electron lens. Nature, Lond., 1946, **158**: 198.—**Glaser, W.** Maxwell's fish eye as an ideal electron lens. Ibid., 1948, **162**: 455.—**Horváth, J. I.** Notices on proposed magnetic lenses of toroidal type. Experientia, Basel, 1949, **5**: 112–4.—**Hutter, R. G. E.** The class of electron lenses which satisfy Newton's image relations, and a special investigation of the lens properties of two lenses belonging to this class. Abstr. Diss. Stanford Univ. (1944–45) 1945, **20**: 63–5.—**Kinder, E., & Recknagel, A.** Ueber Fresnelsche Beugung beim Licht- und Elektronenmikroskop. Optik, Stuttg., 1947, **2**: 346–63.—**Le Rütte, W. A.** Chromatic aberration of electrostatic lenses. Nature, Lond., 1948, **161**: 392.—**Mulvey, T., & Jacob, L.** Distortion-free electrostatic lenses. Ibid., 1949, **163**: 525.—**Prebus, A.** Improved pole piece construction of the objective lens of a magnetic electron microscope. Canad. J. Res., 1940, **18**: Sect. A, 175–7.—**Rüdenberg, R.** Electron lenses of hyperbolic field structure. J. Franklin Inst., 1948, **246**: 311; passim.—**Sayers, J.** Pulsed electron microscope magnetic lens. Europ. Sc. Notes, 1950, **4**: 3.—**Scherzer, O.** Sphärische und chromatische Korrektur von Elektronen-Linsen. Optik, Stuttg., 1947, **2**: 114–32.—**Stuhlman, O., jr.** Electron lenses. In his Introd. Biophysics, N. Y., 1943, 332–6. ——— The magnetic-field electron lens. Ibid., 338–41.

—— Manual.

BRAVO REY, A. Hipermicroscopio, proyección de mundos invisibles. 224p. 25cm. Madr., 1944.

BURTON, E. F., & KOHL, W. H. The electron microscope. 233p. 23½cm. N. Y., 1942. ALSO 2. ed. 325p. 1946.

CODAZZI AGUIRRE, J. A. Más allá del ultramicroscopio. 105p. 23cm. Rosario, 1937.

COSSLETT, V. E. The electron microscope. 128p. 19cm. Lond., 1947.

PREBUS, A. F. The electron microscope. p.152–235. 23½cm. N. Y., 1944.
In: Colloid Chem. (Alexander, J., ed.) N. Y., v.5, 1944.

WYCKOFF, R. W. G. Electron microscopy; technique and applications. 248p. 23½cm. N. Y., 1949.

—— Medical and pharmaceutical application.

Anderson, T. F. Applications of the electron microscope to biology and medicine. Bull. Johns Hopkins Hosp., 1942, **70**: 394. ——— The electron microscope in medical research. Radiogr. Clin. Photogr., 1946, **22**: 15–9.—**Balla, B.** Elektronenmikroskop az orvosi kutatás szolgálatában. Orvostud. közl., 1942, **3**: 736.—**Bessis, M.** Les applications du microscope électronique en hématologie. Presse méd., 1949, **57**: 954–6.—**Brdička, R.** Princip a upotřebení elektronové mikroskopie. Cas. lék. česk., 1943, **82**: 16–9, pl.—**Deno, R. A.** Pharmacy has questions for the new electron microscope. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1941, **2**: 160–2.—**Electron** microscopy. Squibb Mem., 1947, **26**: 14–6.—**Electron** microscopy of tissue sections. Europ. Sc. Notes, 1950, **4**: 71.—**Gessler, A. E., Grey, C. E.** [et al.] Notes on the electron microscopy of tissue sections; normal tissue. Cancer Res., 1948, **8**: 534–47, incl. 5 pl.—**Greenroyd, J.** Optical and electronic microscopy in hospitals. Hosp. & Health Management, Lond., 1948, **11**: 473–5.—**Grey, C. E., & Kelsch, J. J.** Use of the electron microscope and high-speed microtome in medicine. Exp. M. & S., 1948, **6**: 368–89.—**Haslett, A. W.** An approach to electron microscopy. Brit. M. J., 1949, **2**: 1286–9.—**Houwink, A. L.** De electronenmicroscoop en enkele toepassingen. Ned. tschr. geneesk., 1949, **93**: 2563.—**John, M.** Ueber die Untersuchung von gewerblichen Stauben im Elektronenmikroskop. Wien. med. Wschr., 1948, **98**: 318–20, pl.—**Kärsten, W.** Einige Anwendungsgebiete des Siemens-Uebermikroskops. Ibid., 1940, **90**: 913–6.—**Krause, F.** Die Anwendung des Elektronenmikroskopes in Biologie und Medizin. Arch. exp. Zellforsch., 1938–39, **22**: 668–72. ——— Die Darstellung von Geweben mit dem Elektronenübermikroskop. Deut. med. Wschr., 1944, **70**: 532–4.—**Mahl, H.** Die Elektronenmikroskopie in Deutschland. Grenzgeb. Med., 1948, **1**: 177–86.—**Malfatti, M. G.** Aplicaciones de la difracción de rayos x y microscopía electrónica. Sem. méd., B. Air., 1949, **56**: 45–50.—**Martell, H.** Ein Blick in das Unsichtbare; das Wunder des Uebermikroskops. Zschr. ärztl. Fortbild., 1941, **38**: 533–6.—**Marty, C.** La microscopie électronique. Concours méd., 1947, **69**: 1079.—**Merling, K. B.** Electron-microscopy. Middlesex Hosp. J., Lond., 1949, **49**: 154–8, illust.—**Mudd, S.** Electron microscopy in relation to the medical sciences. Ann. Int. M., 1949, **31**: 570–81.—**Müller, H. O.** Das Uebermikroskop in der Medizin. Med. Klin., Berl., 1939, **35**: 1041–3.—**Pereira Forjaz, A.** Microscopia de electrões. J. farm., Lisb., 1942, 3. ser., 188.—**Sebruyns, M.** Nieuwe onderzoekingsmethoden op het gebied der histochemie; het gefractionneerd centrifugeren en het electronenmicroscoop. Belg. tschr. geneesk., 1948, **4**: 354–7.—**Siebeck, R.** Medizi-

nische Forschung und Uebermikroskopie. In: Uebermikroskop [Siemens & Halske] Berl., 1941, 13–9.—**Werzner, V. I.,** & **Golydin, L. S.** Elektronno-mikroskopicheskie issledovanija histologicheskikh objektov. J. obshch. biol., Moskva, 1948, **9:** 423–40, 12 pl.—**Zworykin, V. K.,** & **Hillier, J.** Electron microscopy. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1945, **6:** 384–8.

—— Methods.

See also **Microtomy.**

Anderson, P. A. Development of new techniques for the study of intracellular structure in the electron microscope. Annual Rep. Com. Growth (Nat. Res. Counc.) 1948–49, **4:** 59.—**Ardenne, M. v.** Stereo-Uebermikroskopie mit dem Universal-Elektronenmikroskop. Naturwissenschaften, 1940, **28:** 248–52. ——— Elektronen-Uebermikroskopie lebender Substanz. Ibid., 1941, **29:** 521–3. ——— Erhitzungs-Uebermikroskopie mit dem Universal-Elektronenmikroskop. Kolloid Zschr., 1941, **97:** 257-72. ——— Reaktionskammer-Uebermikroskopie mit dem Universal-Elektronenmikroskop. Zschr. phys. Chem., Abt. B, 1942, **52:** 61–71.—**Borries, B. v.,** & **Ruska, E.** Aufnahmen mit dem Siemens-Uebermikroskop. Umschau, 1938, **42:** 818–22, illust.—**Hillier, J.** Electron microscopy. In: Biophysic. Res. Meth. (Uber, F. M.) N. Y., 1950, 381–416, illust.—**Kinder, E.** Emissions-Uebermikroskopie mit magnetischen Linsen. Naturwissenschaften, 1942, **30:** 591.—**König, H.** Gitterkonstantenbestimmung im Elektronenmikroskop. Ibid., 1946, **33:** 343.—**Krause, F.** Die Erzielung übermikroskopischer Elektronenbilder von Gewebeschnitten; das Dachschnittverfahren, das Ultraschallmikrotom und das Gewebeoberflächenabdruckverfahren. Virchows Arch., 1944, **312:** 346–91.—**Mahl, H.** Stereoskopische Aufnahmen mit dem elektrostatischen Uebermikroskop. Naturwissenschaften, 1940, **28:** 264.—**Müller, H. O.** Die Ausmessung der Tiefe übermikroskopischer Objekte. Kolloid Zschr., 1942, **99:** 6–28.—**O'Brien, H. C.,** jr. New techniques in electron microscopy. Univ. Pittsburgh Bull., 1946, **42:** No. 2, 158–65.—**Ruska, E.** Technik und Forschungsergebnisse der Elektronenmikroskopie. Praxis, Bern, 1942, **31:** 149.—**Ruska, H.** Uebermikroskopische Untersuchungstechnik. Naturwissenschaften, 1939, **27:** 287–92.—**Wolf, J.** Plastická elektronová histologie vlhkých objektů. Sborn. lék., 1949, **51:** 261–82, 19 pl.

—— Microbiological application.

See also **Bacteriology,** Methods; **Microbiology,** Methods; **Virology.**

Bacterias, rickettsias y virus vistos con el supermicroscopio electrónico. Notas práct. diagn. ter., Barcel., 1946, **5:** 117–29.—**Bhattacharya, D. L.,** & **Sen, B. B.** Some common bacteria as shown by the electron microscope; a preliminary report. J. Ind. M. Ass., 1948–49, **18:** 453.—**Bonét-Maury, P.** Microscopie électronique. In: Ultravirus (Levaditi, C., et al.) Par., 1943, 217–34.—**Borries, B. v., Ruska, E.,** & **Ruska, H.** Bakterien und Virus in übermikroskopischer Aufnahme (mit einer Einführung in die Technik des Uebermikroskops) Klin. Wschr., 1938, **17:** 921–5.—**Brieger, E. M., Crowe, G. R.,** & **Cosslett, V. E.** Electron microscopy of bacteria. Nature, Lond., 1947, **160:** 864.—**Brüche, E.,** & **Haagen, E.** Ein neues, einfaches Uebermikroskop und seine Anwendung in der Bakteriologie. Naturwissenschaften, 1939, **27:** 809–11.—**Evans, C. A.,** & **Underdahl, N. R.** Spore wall demonstrated with the electron microscope. J. Bact., Balt., 1947, **53:** 647.—**Favre, J., Kellenberger, E.,** & **Weigle, J.** Possibilité d'emploi du microscope électronique pour l'étude des spores de champignons. Bull. Schweiz. Akad. med. Wiss., 1948–49, **4:** 275–9.—**Foster, R. A. C.,** & **Antes, L. L.** A comparison of electron micrographs with photomicrographs of young bacterial cultures stained to demonstrate desoxyribosenucleic acid. J. Bact., Balt., 1946, **51:** 584.—**Gratia, A.** Le microscope électronique et les bactériophages. Bull. Acad. méd. Belgique, 1943, **8:** 607–16.—**Hedén, C. G.,** & **Wyckoff, R. W. G.** The electron microscopy of heated bacteria. J. Bact., Balt., 1949, **58:** 153–60.—**Isaev, B. M., Kriss, A. E.,** & **Rukina, E. A.** Nekotorye nabliudenia nad citologiei bakterii s pomoschiu elektronnogo mikroskopa. Izv. Akad. nauk SSSR, sér. biol., 1945, 678–88, illust., 3 pl.—**Jakob, A.,** & **Mahl, H.** Strukturdarstellung bei Bakterien, insbesondere die Kapseldarstellung bei Anaerobiern mit dem elektrostatischen Elektronen-Uebermikroskop. Arch. exp. Zellforsch., 1942, **24:** 87–104.—**Jakus, M. A.,** & **Hall, C. E.** Electron microscope observations of the trichocysts and cilia of Paramecium. Biol. Bull., 1946, **91:** 141–4.—**Khodukin, N. I.** Elektronnaia mikroskopia v mikrobiologii. Usp. sovrem. biol., 1948, **26:** 599–614.—**Kimura, K.,** & **Higasi, N.** Densityō-kenbikyō ni yoru saikingaku-teki kenkyū; densityō-kenbikyō ni yoru saikin no ni dai-bunrui ni tuite [Bacteriological studies ... division of microörganisms into two groups with the electron microscope] Nippon igaku, 1944, 236–44, illust.—**Kriss, A. E., Rukina, E. A.,** & **Isayev, B. M.** Study of the structure of microorganisms with the aid of the electron microscope. Am. Rev. Soviet M., 1946–47, **4:** 212–22, 4 pl.—**Lembke, A.** Uebermikroskopische Untersuchungen an Bakterien. In: Uebermikroskop [Siemens & Halske] Berl., 1941, 33–47.—**Levaditi, C.,** & **Bonét-Maury.** Les ultravirus considérés à travers le microscope électronique. Presse méd., 1942, **50:** 203–7.—**Lofgren, R.** Electron microscopy as applied to some bacteriological problems. J. Bact., Balt., 1947, **54:** 271.—**McFarlane, A. S.** Electron microscopy of bacteria and viruses. Brit. M. J., 1949, **2:** 1247–50, 2 pl.—**Marton, L.** The electron microscope; a new tool for bacteriological research. J. Bact., Balt., 1941, **41:** 397–413. Also Rev. san. mil., B. Air., 1943, **42:** 517–24.—**Morton, H. E.,** & **Anderson, T. F.** Observations on the morphology of Leptospira and the Nichols' strain of Treponema pallidum with the aid of the RCA electron microscope. J. Bact., Balt., 1942, **43:** 64.—**Mudd, S.** The submicroscopic structure of the bacterial cell as shown by [the] electron microscope. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 342. ——— & **Anderson, T. F.** Pathogenic bacteria, rickettsias and viruses as shown by the electron microscope; their relationships to immunity and chemotherapy; morphology. J. Am. M. Ass., 1944, **126:** 561–71. Also Puerto Rico J. Pub. Health, 1944–45, **20:** 529; pt 2, Suppl., 1. ——— & **Polevitzky, K.** Bacterial morphology as shown by the electron microscope; Treponema pallidum, T. macrodentium and T. microdentium. J. Bact., Balt., 1943, **46:** 15–24.—**Porter, K. R., Claude, A.,** & **Fullam, E. F.** A study of tissue culture cells by electron microscopy; methods and preliminary observations. J. Exp. M., 1945, **81:** 233–46, 5 pl.—**Reagan, R. L., Hickman, J. W.** [et al.] Morphological observations by electron microscopy of the hamster-adapted and the mouse-adapted Newcastle virus after culture in chick embryos. J. Infect. Dis., 1949, **85:** 256–8.—**Romanzi, C. A.** Primi risultati dell'applicazione del microscopio elettronico alla microbiologia. Igiene mod., 1946, **39:** 1–11.—**Ruska, H.** Uebermikroskopische Darstellung organischer Struktur (vom Grössenbereich der Zelle bis zum Ultravirus) Arch. exp. Zellforsch., 1938–39, **22:** 673–80.—**Schultz, E. W.** The electron microscope in bacteriological and virus research. Johns Hopkins Alumni Mag., 1941–42, **30:** 83–6.—**Shwartzman, G.** Some recent advances in bacteriology and virus research with special reference to electron microscopy. J. Mount Sinai Hosp. N. York, 1944–45, **11:** 137–58.—**Stanley, W. M.** Viruses and the electron microscope. Chron. Bot., Waltham, 1942–43, **7:** 291–4.—**Treccani Benetti, R.,** & **Eletti, N.** Tentativi di impiego di tecniche diverse per l'osservazione dei microrganismi al microscopio elettronico. Boll. Soc. ital. biol. sper., 1949, **25:** 730, ch.—**Turumi, S., Atami, S.** [et al.] Densi-kenbikyō to biseibutu [The electron-microscope and microbes] Nippon igaku, 1944, 270; passim.—**Werner, G. H.,** & **Kellenberger, E.** Le rôle du microscope électronique dans l'étude du mode d'action des antibiotiques. Bull. Schweiz. Akad. med. Wiss., 1948–49, **4:** 263–74.—**Wyckoff, R. W. G.** The electron microscopy of microorganisms. Proc. Internat. Congr. Trop. M., 1948, 4. Congr., **1:** 310–3, 2 pl.—**Zworykin, V. K., Hillier, J.,** & **Smith, P. C.** Electron microscopy in the field of bacteriology. J. Bact., Balt., 1944, **47:** 431.

—— Microscope.

See also **Microscope,** roentgen.

MALFATTI, M. G. R. El microscopio electrónico. p. 333–89. 26½cm. B. Air., 1948.
In: Rev. pub. nav., B. Air., 1948, **1:** 333–89.

Ardenne, M. v. Eigenschaften und Ergebnisse des Universal-Elektronenmikroskopes. Forsch. & Fortschr., 1940, **16:** 194, illust. ——— Ergebnisse einer neuen Elektronen-Uebermikroskop-Anlage. Naturwissenschaften, 1940, **28:** 113–27. ——— Neuere Arbeiten am Universal-Elektronenmikroskop. Forsch. & Fortschr., 1942, **18:** 32–5. Also Res. & Progr., Berl., 1942, **8:** 275–84.—**Bajo** el microscopio electrónico. Mem. méd. Squibb, 1947, No. 22, 12–6.—**Becker, J. A.,** & **Ahearn, A. J.** Electron microscopes and their uses. Sc. Month., 1941, **53:** 309–24.—**Beltran, E.** El microscopio electrónico y sus posibilidades. Ciencia, Méx., 1941, **2:** 165–8.—**Berger, M.** Le microscope électronique. Gaz. méd. France, 1949, **56:** 969–78.—**Big, E. J.** The electron microscope. Bios, Mount Vernon, 1943, **14:** 128–38.—**Bocciarelli, D.,** & **Trabacchi, G. C.** Il microscopio elettronico dell'Istituto Superiore di Sanità. Rendic. Ist. sup. san., Roma, 1946, **9:** 762–8, 9 pl. ——— Modifica al microscopio elettronico dell'Istituto Superiore di Sanità. Ibid., 1948, **11:** 794–800.—**Börsch, H.** Das Schatten-Mikroskop, ein neues Elektronen-Uebermikroskop. Naturwissenschaften, 1939, **27:** 418.—**Bonét-Maury.** Microscope électronique. Presse méd., 1943, 51: 69 (Abstr.)—**Borries, B. v.,** & **Ruska, E.** Ein Uebermikroskop für Forschungsinstitute. Naturwissenschaften, 1939, **27:** 577–82. ——— Aufbau und Leistung des Siemens-Uebermikroskopes. Zschr. wiss. Mikr., 1939, **56:** 317–33.—**Brush** Foundation acquires electron microscope. Clin. Bull. School M. West. Reserve Univ., 1943, **7:** 36.—**Bucher, O.** Das Elektronenmikroskop. Ciba Zschr., Basel, 1939–42, **7:** 2566.—**Burton, E. F., Hillier, J.,** & **Prebus, A.** The contribution of the electron microscope to medicine; the electron microscope described. Canad. M. Ass. J., 1940, **42:** 116–9.—**Conklin, E. A.** The electron microscope. Hygeia, Chic., 1941, **19:** 890.—**Cordingley, E. W.** Science's newest ally; the electron microscope. Chiropody Rec., 1941, **24:** 8–10.—**Corsi, A.** Il microscopio elettronico. Atti Accad. fisiocr. Siena, 1935, 11. ser., **3:** suppl., 175–84.—**De Florentiis, G.** Il super-microscopio elettronico. Natura & vita, Milano, 1947, **2:** 259–61.—**Díaz, S.** El microscopio electrónico. Bol. Soc. mutual. méd. farm. Guadalajara, 1945, **17:** 25–32.—**Dinichert, P.,** & **Kellenberger, E.** Microscopie électronique; nouvel appareil pour les procédés d'empreintes. Experientia, Basel, 1948, **4:** 407.—**Dorgelo, H. B.** [Introduction of electron

microscopes of various kinds] Ned. tschr. natuurk., 1940, 7: 157–70.—**Dosse, J.** Elektronenstrahl-Mikroskope. Umschau, 1940, 44: 548–53.—**Edler, W.** Das Elektronenmikroskop. Mitt. Deut. pharm. Ges., 1942, 19: 50.—**Electronenmicroscoop.** Chem. pharm. techn., Dordrecht, 1948–49, 4: 259–61.—**Electron** (The) microscope. Clin. Med., 1941, 48: 84.—**Electron** microscopes. Rev. Sc. Instrum., 1944, 15: 154.—**Frey-Wyssling, A.** Das schweizer Elektronenmikroskop der Firma Trüb, Täuber & Co., Zürich. Schweiz. Apoth. Ztg, 1947, 85: 133.—**Gaede.** Das Elektronenmikroskop. Deut. med. Wschr., 1940, 66: 858–60.—**Gross, J.** The electron microscope. Med. Bull., N. Y., 1941–42, 7: 143–5.—**Guthe, T.** Elektronmikroskopet (overmikroskopet) Medicineren, Kbh., 1940, 5: No. 4, 1–7.—**H., H.** Electron microscope. J. Am. Dent. Ass., 1942, 29: 155.—**Hackel, J. P.** The electron microscope. Med. Rec., N. Y., 1941, 153: No. 7, 18.—**Hintzsche, E.** Das Elektronenmikroskop. Ciba Zschr., Basel, 1947–49, 10: 4338–40. Also Actas Ciba, B. Air., 1949, 99–102. Also Actas Ciba, Rio, 1949, 16: 147–50.—**Horning, E. S.** The electron microscope. In: Cytology (Bourne, G.) Oxf., 1942, 167–9.—**Jupe, J. H.** The electron microscope. Brit. M. J., 1945, 2: 500.—**Kärsten, W.** Das Uebermikroskop. Zschr. hyg. Zool., 1940, 32: 155.—**Kempkens, K.** Das neue elektrostatische Uebermikroskop. Umschau, 1940, 44: 345.—**Knoll, M.** Das Elektronenmikroskop. Zschr. ärztl. Fortbild., 1935, 32: 644–7.—**Langeron, M. C. P.** Microscopes électroniques. In his Précis d. micr., 7. éd., Par., 1949, 327–38, illust.—**Lépine, P.** Un microscope électronique français. Bull. Acad. méd., Par., 1945, 129: 653–5.—**Ling, L., & Knight, V.** The electron microscope. Contact Point, 1941–42, 19: 36–42.—**Lo Monaco, G.** Il microscopio elettronico. Settimana med., 1940, 28: 672–5.—**Mahl, H.** Ueber ein neues elektrostatisches Klein-Elektronenmikroskop. Optik, Stuttg., 1947, 2: 190–5.—**Martin, L. E.** The electron microscope. Canad. J. M. Techn., 1945, 7: 142–4.—**Marton, L.** A 100 KV electron microscope. Science, 1944, 100: 318–20.—**Newman, L. T.** The elcctron microscope. Univ. Toronto M. J., 1942–43, 20: 228–34.—**Norman, D. H.** A note on the electron microscope. Dent. Rec., Lond., 1946, 66: 136.—**Pampana, E. J.** Il microscopio elettronico. Ann. igiene, 1939, 49: 160–6.—**Parouty.** Le microscope électronique R. C. A. Nature, Par., 1948, 236–9.—**Petrilli, F. L.** Caratteristiche costruttive e di funzionamento del microscopio elettronico Siemens. Igiene mod., 1945, 38: 1–12, illust.—**Rosengarten, G.** The electron microscope. Am. J. Pharm., 1941, 113: 358–63.—**Schaefer, H. E.** Das Elektronenmikroskop, sein Aufbau und seine Verwendung. Schweiz. Chem. Ztg, 1946, 29: 369–72.—**Scott, G. H.** The electron microscope. Washington Univ. M. Alumni Q., 1941, 4: 165–71.—**Sebruyns, M.** Een oorspronkelijke methode voor het vervaardigen van draagvliesjes ten behoeve van het electronen microscoop. Belg. tschr. mil. geneesk., 1948, 101: 61–6.—**Sefik Bara.** Mikroskop elektronik. Askeri sihhiye mecmuasi, 1945, 74: No. 45, 50.—**Selme.** Le microscope électronique. Sciences, Par., 1946–47, 74: 272–87.—**Simazu, S.** SM–1 gata densi-kenbikyō ni tuite [... SM–1 model] Ika kikaigaku zassi, 1948, No. 2, 9.—**Smith, T. A.** The electron microscope. Sc. Month., 1941, 52: 337–41. Also in: Science Yearb. (Ratcliff, J. D.) N. Y., 1942, 28–33.—**Sommerfeld, A., & Scherzer, O.** Ueber das Elektronenmikroskop. Münch. med. Wschr., 1934, 81: 1859.—**Stöckl, K.** Das Elektronenmikroskop. Med. Klin., Berl., 1935, 31: 50.—**Strohl, A.** Le microscope électronique. Presse méd., 1935, 43: 1533.—**Sudre, R.** Un nouveau microscope corpusculaire. Caducée, Port-au-Prince, 1947, No. 30, 11. Also Laval méd., 1947, 12: 1096–9.—**Taft, A. E.** Electron microscope. J. Am. M. Ass., 1941, 117: 954.—**Takemura, M.** Densi-kenbikyō ni tuite. J. Radiol., Kanazawa, 1948, 6: 125–36.—**Thomson, G.** Le microscope électronique. Endeavour, Lond., 1943, 2: 125–35, illust.—**Trabacchi, G. C.** Il microscopio elettronico. Rendic. Ist. sup. san., Roma, 1947, 10: 1222–35, 15 pl.—**Vallejo, A.** O microscópio electrônico. Hospital, Rio, 1941, 19: 905–28.—**Winter, M. E., & Seidel, R. E.** The new electron microscope. J. Am. Inst. Homeop., 1942, 35: 284.—**Zworykin, V. K.** Electric microscope. Atti Congr. internaz. elettroradiob., 1934, 1. Congr., 1: 672–86. ——— An electron microscope for the research laboratory. Science, 1940, 92: 51–3. ——— **Hillier, J., & Vance, A. W.** Electron microscope. In: Med. Physics (Glasser, O.) Chic., 1944, 387–403.

—— Optics.

See also other subdivisions (Gábor principle; Image; Magnetic lens; Problems; Resolving power)

Meryman, H. T., & Sipe, H. M. An electromagnetic focusing device for the electron microscope. 5p. 27cm. Bethesda, 1949.

Forms Rep. No. 4, Project NM 000 002, U. S. Nav. M. Res. Inst.

Ardenne, M. Zur Abbildungstreue von nahe der Auflösungsgrenze liegenden Objektstrukturen bei Lichtmikroskop und Elektronenmikroskop. Kolloid Zschr., 1942, 100: 206–11.—**Bertein, F.** Sur les imperfections de forme dans les instruments d'optique électronique. C. rend. Acad. sc., 1947, 224: 106.—**Bishop, F. W.** A magnetic beam-splitting focusing device for the electron microscope. Rev. Sc. Instrum., 1949, 20: 532.—**Broglie, L. de.** La diffusion cohérente et le microscope corpusculaire. C. rend. Acad. sc., 1947, 224: 1743.—**Chanson, P.** L'optique électronique. Atomes, Par., 1947, 291–6.—**Dupouy, G.** Vers la vision de l'infiniment petit, le microscope électronique. Rev. gén. sc. pur., 1948, 55: 77–88.—**Fritz.** L'état actuel de l'optique électronique et le microscope à électrons. Gaz. sc. méd. Bordeaux, 1938, 59: 608–13.—**Gramont, A. de.** L'onde associée de Louis de Broglie et le microscope électronique. Atomes & radiat., Par., 1946–47, 1: 6–12.—**Hoffmann, K.** Grundzüge der optischen Abbildung durch Elektronen und Anwendungen, Elektronenmikroskopie. Kolloid Zschr., 1939, 89: 59–76.—**Kerwin, L., & Geoffrion, C.** Further improvements in magnetic focusing. Rev. Sc. Instrum., 1949, 20: 381–4.—**Kossel, W.** Linien gleicher Dicke im Elektronenmikroskop. Naturwissenschaften, 1943, 31: 323.—**Martin, L. C.** The optics of the electron microscope. J. R. Micr. Soc., Lond., 1939, 59: 217–31, pl.—**Marton, L., & Lachenbruch, S. H.** Electron optical observation of magnetic fields. J. Res. U. S. Nat. Bur. Stand., 1949, 43: 409–28.—**Picard, R. G., & Reisner, J. H.** The universal electron microscope as a high resolution diffraction camera. Rev. Sc. Instrum., 1946, 17: 484–9.—**Raether, H.** Refraction effects in electron diffraction and in electron microscopy. Nature, Lond., 1948, 161: 311.—**Ruska, E.** Zur Entstehung der Säume um übermikroskopisch abgebildete Partikel und über ihre Veränderung mit der optischen Einstellung. Kolloid Zschr., 1943, 105: 43–52, 2 pl.—**Veith, W.** L'optique électronique du convertisseur d'image. Rev. sc., Par., 1948, 86: 67–76.—**Wyckoff, R. W. G.** Adjustment of the electron microscope. In his Electron Micr., N. Y., 1949, 29–49, illust.

—— Problems.

Borries, B. v., & Glaser, W. Ueber die Temperaturerhöhung der Objekte im Uebermikroskop. Kolloid Zschr., 1944, 106: 123–8.—**Burton, E. F., Sennett, R. S., & Ellis, S. G.** Specimen changes due to electron bombardment in the electron microscope. Nature, Lond., 1947, 160: 565–7.—**Kopp, C., & Möllenstedt, G.** Eigenschaften äusserst feinzeichnender photographischer Emulsionen bei Elektronenbestrahlung. Optik, Stuttg., 1946, 1: 327–41.—**Marton, L., Das Gupta, N. N., & Marton, C.** Modifications of specimens in electron microscopy. Science, 1946, 104: 35.—**Pease, D. C.** The disappearance of salt from glass ice during low-temperature dehydration, and its implication in electron microscopy. Ibid., 1947, 106: 543.—**Ruess, G.** Zur Objekterwärmung im Siemens-Elektronenübermikroskop. Kolloid Zschr., 1944, 109: 149–52.—**Silverman, L. B., Elliott, S. B., & Greenfield, M. A.** Radiation survey of x-ray output of an electron microscope from personnel hazard viewpoint. Science, 1949, 110: 376.

—— protonic.

Chanson, P. Les éléments optiques des lentilles électrostatiques et le microscope à protons. Ann. phys., Par., 1947, 2: 333–413.—**Magnan, C.** Du microscope électronique au microscope protonique. Atomes, Par., 1947, 334–9. ——— The proton microscope. Nucleonics, 1949, 4: No. 4, 52–66. ——— **Chanson, P., & Ertaud, A.** Sur un projet de microscope protonique. C. rend. Acad. sc., 1945, 220: 770–2.

—— Replica technic and shadow casting.

See also names of electron stains as **Chromium; Gold; Mercuric chloride,** etc.

Maxfield, M., & Levich, C. The construction and analysis of a metal evaporator for use with the electron microscope. 19p. 26½cm. Bethesda, 1947.

Forms Rep. No. 2, Res. Project NM 000 002, U. S. Nav. M. Res. Inst.

Anderson, T. F. The shadow-casting technique in electron microscopy. J. Bact., Balt., 1946, 51: 563. ——— A shadow-casting adaptor for the electron microscope. Rev. Sc. Instrum., 1946, 17: 71.—**Bishop, F. W.** A device to deposit automatically the proper thickness of metals used in shadow-casting in electron microscopy. Ibid., 1949, 20: 527–9.—**Bocciarelli, D., & Trabacchi, G. C.** Tecnica delle ombre nella microscopia elettronica. Rendic. Ist. sup. san., Roma, 1948, 11: 127–31, 10 pl. ——— Perfezionamenti dell'apparecchio per la tecnica delle ombre nella microscopia elettronica. Ibid., 791–3, 7 pl.—**Brown, A. F., & Jones, W. M.** A methyl methacrylate-silica replica technique for electron microscopy. Nature, Lond., 1947, 159: 635.—**Claude, A.** Electron microscope studies of cells by the method of replicas. J. Exp. M., 1949, 89: 425–30, 2 pl.—**Crane, H. R., Levinstein, H., & Williams, R. C.** A shadow casting unit for the RCA electron microscope. Rev. Sc. Instrum., 1945, 16: 296.—**Dempster, W. T., & Williams, R. C.** Shadow-casting; a technique to show surface texture in microscopical material. Anat. Rec., 1946, 96: 27–39.—**Schaefer, V. J.** Dry stripped replicas for the electron microscope. Science, 1943, 97: 188.—**Scott, D. B., & Wyckoff, R. W. G.** Metal shadowing for the optical microscopy of certain tissues. Am. J. Clin. Path., 1949, 19: 63–6.—**Skilling, W. T.** Gold shadowing in electron microscopy. Sc. Month., 1946, 62: 559–61.—**Thomassen, L., Williams, R. C., & Wyckoff, R. W. G.** Surface replicas for electron microscopy. Rev. Sc. Instrum., 1945, 16: 155.—**Wyckoff, R. W. G.** Surface replicas. In his Electron Micr.,

N. Y., 1949, 63–9. ——— Positive replicas. Ibid., 69–72. ——— Atomic replicas. Ibid., 72. ——— Metal shadowing and the visualization of very small objects. Ibid., 79–95, illust. ——— The use of surface replicas. Ibid., 97–115, illust.

—— Resolving power.

See also subdivisions (Magnetic lens; Optics)

Börsch, H. Erhöhung der Auflösung im Emissions-Elektronenmikroskop. Naturwissenschaften, 1942, **30**: 120.—**Bruck, H.** Sur la limite de résolution du microscope électronique; lentille ronde. C. rend. Acad. sc., 1947, **224**: 1553–5. ——— Lentille dissymétrique. Ibid., 1628. ——— Limite de résolution de l'objectif électrostatique décentré. Ibid., 1818–20. ——— & **Grivet, P.** La limite de résolution de l'objectif électrostatique à trou central ovalisé. Ibid., 1768.—**Brüche, E.** Die Auflösungsgrenze des Emissions-Elektronenmikroskops. Kolloid Zschr., 1942, **100**: 192–206.—**Chanson, P.** Sur le pouvoir séparateur du microscope électronique électrostatique. J. phys. radium, Par., 1947, **8**: No. 2, Suppl., 4 S.—**Sugada, E.** Tyō-kenbikyō no seinō ni tuite. Ika kikaigaku zassi, 1939–40, **17**: 316–22.

—— scanning.

Zworykin, V. K. The scanning electron microscope; high magnifications of opaque objects with new instrument combining developments in many fields. Sc. American, 1942, **167**: 111–3.

—— Specimen preparation.

See also **Microincineration; Microtomy**; also under names of objects of investigation.

VANAMEE, P., MURPHY, J. S., & BERGNER, A. D. The preparation of tissues for electron microscopy. 31p. 26½cm. Army Chem. Cent., Md., 1949.

Forms Rep. No. 209, Med. Div. Chem. Corps U. S. Army.

Babudieri, B. Un nuovo procedimento per l'allestimento di preparati batterici destinati all'osservazione col supermicroscopio elettronico. Boll. Soc. ital. biol. sper., 1948, **24**: 62. Also Rendic. Ist. sup. san., Roma, 1948, **11**: 572–6. ——— Note di tecnica per la microscopia elettronica; fissazione di preparati. Ibid., 1225–9, 11 pl.—**Barski, G., Maurin, J., & Croissant, O.** Méthode de montage d'éléments cellulaires en vue de l'examen au microscope électronique. Ann. Inst. Pasteur, Par., 1949, **76**: 1–5, pl.—**Buchholz, J. T.** Methods in the preparation of chromosomes and other parts of cells for examination with an electron microscope. Am. J. Bot., 1947, **34**: 445–54.—**Claude, A., & Fullam, E. F.** The preparation of sections of guinea pig liver for electron microscopy. J. Exp. M., 1946, **83**: 499–504, pl.—**Cosslett, V. E.** Beryllium films as object supports in the electron microscopy of biological specimens. Biochim. biophys. acta, Amst., 1948, **2**: 239–45.—**Crane, H. R.** Direct centrifugation onto electron microscope specimen films. Rev. Sc. Instrum., 1944, **15**: 253.—**Dalton, A. J., Kahler, H. B.** [et al.] A smear technique for preparing cells for study under the electron microscope. Anat. Rec., 1949, **103**: 437.—**Hillier, J., & Baker, R. F.** The mounting of bacteria for electron microscope examination. J. Bact., Balt., 1946, **52**: 411–6. ——— & **Knaysi, G.** New preparation techniques for the electron microscopy of bacteria. Ibid., 1948, **56**: 569–76.—**Induni, G.** Ueber eine neue Präparationsmethode für elektronenmikroskopische Untersuchungen. Experientia, Basel, 1947, **3**: 247.—**Laurell, A. H. F.** A method of sectioning bacteria in situ for electron-microscopical and cytochemical investigations. Nature, Lond., 1949, **163**: 282.—**O'Brien, H. C., jr.** A vibrating muller for the preparation of dispersions of fine pigments for electron microscopy. Science, 1946, **103**: 429.—**Pease, D. C., & Baker, R. F.** Sectioning techniques for electron microscopy using a conventional microtome. Proc. Soc. Exp. Biol., N. Y., 1948, **67**: 470–4.—**Porter, K. R.** The fixation of cells for electron microscopy. Anat. Rec., 1950, **106**: 311.—**Ribi, E., & Rànby, B. G.** Zur elektronenmikroskopischen Präparation von Kolloiden. Experientia, Basel, 1950, **6**: 27.—**Riedel, G.** Ein elektrischer Kernfäller zur Gewinnung übermikroskopischer Präparate. Kolloid Zschr., 1943, **103**: 228–32.—**Robinson, R. A., & Bishop, F. W.** Methods of preparing bone and tooth samples for viewing in the electron microscope. Nuclear Sc. Abstr., 1950, **4**: 259.—**Ruska, H.** Objektwahl, Objektvorbereitung und Deutung des Bildes in der Uebermikroskopie. In: Uebermikroskop (Siemens & Halske) Berl., 1941, 88–104.—**Sjöstrand, F.** Fixering och preparering för elektronmikroskopisk undersökning av vävnad. Nord. med., 1943, **19**: 1207–12.—**Wirth, J.** Technique de flottaison permettant la mise en place contrôlée de membranes plastiques sur les diaphragmes ou grilles de microscopes électroniques; adaptation à l'étude de cultures cellulaires. C. rend. Acad. sc., 1947, **225**: 899–901.—**Wyckoff, R. W. G.** Frozen-dried preparations for the electron microscope. Science, 1946, **104**: 36. ——— Preparations for electron microscopy. In his Electron Micr., N. Y., 1949, 51–77. ——— Particle suspensions. Ibid., 53–8. ——— Thin sections. Ibid., 58–62. ——— Membranes and surface films. Ibid., 62.

MICROSCOPY, fluorescence.

See also **Fluorescence.**

Bock, E., & Oesterlin, M. Ueber einige fluoreszenzmikroskopische Beobachtungen. Zbl. Bakt., 1. Abt., 1938–39, **143**: 306–18.—**Boettcher, A.** Physikalische Grundlagen der Fluoreszenzmikroskopie. Röntg. Photogr., Stuttg., 1948–49, **2**: 126.—**Bräutigam, F., & Grabner, A.** Fluoreszenzmikroskopie. In: Beitr. z. Fluoresz. Mikr. (Bräutigam, F.) Wien, 1949, 25–34, 4 pl.—**Etō, T.** Keikō-kenbikyō-teki gyōseki kaiko [Review of achievements] Niigata igakkai zassi, 1947, **61**: 347–51.—**Haitinger, M.** Fluoreszenzmikroskopie. Forsch. & Fortschr., 1937, **13**: 281. Also in Handb. Virusforsch. (R. Doerr, et al.) Wien, 1. Hälfte, 1938, 231–51.—**Zamkov, V. A.** Prostoe prisposoblenie dlia fluorescentnoi mikroskopii. Microbiology, Moskva, 1948, **17**: 400.

—— Application.

See also other subdivisions (medical) also **Bacteriology,** Methods; **Chemotherapy,** Methods; **Entomology,** etc.

HAITINGER, M. Fluoreszenzmikroskopie; ihre Anwendung in der Histologie und Chemie. 108p. 23cm. Lpz., 1938.

Bukatsch, F. Einige Anwendungsgebiete der Fluoreszenzmikroskopie. Zschr. ges. Naturwiss., 1941, **7**: 287–96, pl.—**Ellinger, P.** Fluorescence microscopy in biology. Biol. Rev. Cambridge Philos. Soc., 1940, **15**: 323–50.—**Kudo, T.** Ueber die histologische Anwendung des Fluoreszenzmikroskops. Jap. J. M. Sc., 1941, **9**: Anat., Proc., 48.—**Levaditi, J. C.** La microscopie en fluorescence, des virus et des bactéries. Biol. méd., Par., 1946, **35**: 33–59.—**Meisel, M. N.** Fluorescentnaia mikroskopia i ee primenenie v mikrobiologii. Microbiology, Moskva, 1947, **16**: 527–44.—**Metcalf, R. L., & Patton, R. L.** Fluorescence microscopy applied to entomology and allied fields. Stain Techn., 1944, **19**: 11–27.—**Strugger, S.** Der gegenwärtige Stand der Forschung auf dem Gebiet der fluoreszenzmikroskopischen Untersuchung der Bakterien. Mikroskopie, Wien, 1948, **3**: 23–38. ——— Die Fluoreszenzmikroskopie im Dienste der biologischen Forschung. Forsch. & Fortschr., 1942, **18**: 332–4.—**Wimmer, C.** Fluoreszenzuntersuchungen über Verholzung. Mikroskopie, Wien, 1948, **3**: 225–33.

—— Illumination.

See also **Microscope illumination,** ultraviolet; **Microscopy,** ultraviolet.

Clauberg, K. W. Vereinfachte Fluoreszenzmikroskopie mit einer neuen Beleuchtungseinrichtung. Klin. & Prax., Münch., 1946, **1**: 138.—**Daugherty, T. H.** A new ultraviolet microscope illuminator, and its application to the study of rayon. Univ. Pittsburgh Bull., 1934, **31**: 66–70.—**Fellinger, K., & Schmid, J.** Ueber eine neue Lampe zur Fluoreszenzmikroskopie. Mikroskopie, Wien, 1948, **3**: 314–7.—**Gobde, G.** Vereinfachte Fluoreszenzmikroskopie mittels einer neuen Beleuchtungseinrichtung. Zbl. Bakt., 1. Abt., 1943–44, **151**: 158–60.—**Melczer, N., & Venkei, T.** Bemerkungen zu unserer Arbeit: Die Quecksilberhochdrucklampe als Lichtquelle für Fluoreszenzmikroskopie und Mikrophotographie. Zschr. wiss. Mikr., 1939–40, **56**: 453.—**Stevens, D. S.** Light source for fluorescent microscopy. J. Laborat. Clin. M., 1945, **30**: 188.

—— Lamp.

See also **Microscope lamp.**

Faure, H. P. La microscopie de fluorescence en lumière ordinaire. C. rend. Soc. biol., 1947, **141**: 1219.—**Himmelweit, F.** Fluorescence microscopy on living virus with oblique incident illumination. Lancet, Lond., 1937, **2**: 444.—**Ziegenspeck, H.** Die Emission polarisierten Fluoreszenzlichtes (Difluoreszenz) durch gefärbte Zellulose- und Kutinmembranen von Pflanzen. In: Beitr. z. Fluoresz. Mikr. (Bräutigam, F.) Wien, 1949, 71–85.

—— Luminescence microscopy.

See also **Microscopy,** intravital.

AUGE, H. *Lumineszenzmikroskopische Untersuchungen an den Organen junger Ratten in den ersten 8 Lebenswochen. 27p. 21cm. Frankf. a. M., 1939.

ELLINGER, P., & HIRT, A. Eine Methode zur Beobachtung lebender Organe mit stärksten Vergrösserungen im Lumineszenzlicht (Intravitalmikroskopie) p.1753–64. 8° Berl., 1932.

In: Handb. biol. Arbeitsmeth. (Abderhalden E.) Abt. 5, Teil 2, pt 2.

Hirt, A. Die Lumineszenzmikroskopie und ihre Bedeutung für die medizinische Forschung. Zeiss Nachr., 1939–40, 3. Folge, 82–106.—**Kiesselbach, A.** Lumineszenzmikroskopische Untersuchungen an lebenden Ciliaten. Forsch. & Fortschr., 1940, **16**: 21.—**Patzelt.** Lumineszenzmikroskopie. Med.

Klin., Berl., 1943, **39**: 748. Also Münch. med. Wschr., 1943, **90**: 676.—**Strugger, S.** Die Anwendung der Lumineszenzmikroskopie in der Botanik. Zeiss Nachr., 1939–40, 3. Folge, 69–82.

—— Medical use.

See also under names of bacteria and diseases as **Mycobacterium; Mycosis; Trypanosomosis,** etc.; also **Fluorescence,** Biological and pathological aspect.

FARUGK, G. *Der fluorescenzmikroskopische Nachweis der Di-Bakterien [Berlin] 23p. 23cm. Charlottenb., 1940.

Arens, K. Progressos da fluoromicroscopía. Arch. brasil. med., 1949, **39**: 41–6.—**Arredondo C., F.** Investigación del bacilo tuberculoso por medio de la microscopía fluorescente. Bol. Clín. Martínez Villarreal, Monterrey, 1946, **2**: 23–7.—**Clauberg, K. W.** Ueber die Verwendbarkeit des Fluoreszenzmikroskopes in der bakteriologischen Praxis, zugleich über die Frage des Vorkommens virusartiger Mikroorganismen in menschlichem Krebsgewebe. Klin. Wschr., 1939, **18**: 632–5.—**Cruickshank, D. B.** Towards fluorescence microscopy. Tubercle, Lond., 1947, **28**: 97–9.—**Eppinger, H.** Die Bedeutung der Fluoreszenzmikroskopie für die Pathologie. In: Beitr. z. Fluoresz. Mikr. (Bräutigam, F.) Wien, 1949, 37–45, 6 pl.—**Evans, J. N., & Singer, E.** Fluorescence microscopy applied to ocular tissues. Arch. Ophth., Chic., 1941, **25**: 1007–19.—**Fahr, E.** Förderung pathologisch-anatomischer Probleme durch die Fluorescenzmikroskopie. Virchows Arch., 1943, **310**: 123–59.—**Fellinger, K., & Pakesch, F.** Fluoreszenzmikroskopie im hämatologischen Bereich. Klin. Med., Wien, 1948, **3**: 569–78.—**Fischer, H.** Untersuchungen über die Möglichkeit der fluoreszenzmikroskopischen Blutdiagnostik. Deut. tierärztl. Wschr., 1949, **56**: 59.—**Gärtner, H.** Wie hoch ist der Gewinn an positiven Tuberkulosepräparaten durch das Fluoreszenz-Mikroskop? Zschr. Tuberk., 1939, **83**: 27–31.—**Goosmann, C.** Fluorescence microscopy. Cincinnati J. M., 1948, **29**: 567–9.—**Grafflin, A. L.** The excretion of fluorescein by the liver under normal and abnormal conditions, observed in vivo with the fluorescence microscope. Am. J. Anat., 1947, **81**: 63–116.—**Hagemann, P. K. H.** Die Fluoreszenzmikroskopie in der Tropenmedizin. Acta Conv. trop. malar. morb., 1938, **1**: 452–6.—**Haitinger, M., & Schwertner, R.** Beiträge zur Fluoreszenzmikroskopie in der Bakteriologie. Zbl. Bakt., 1. Abt., 1939–40, **145**: 141–4.—**Hamperl, H.** Fluorescence microscopy. Arch. Path., Chic., 1935, **19**: 838. ——— Fluoreszenzmikroskopie; Wesen und Anwendung in der Medizin. Med. Klin., Berl., 1943, **39**: 781–4. ——— Wert und Anwendung der Fluoreszenzmikroskopie. Wien. med. Wschr., 1944, **94**: 308. ——— Microscopia de fluorescencia; su esencia y su empleo en medicina (Transl.) Odontoiatría, Madr., 1947, **4**: 468–77.—**Hansen, C. R.** [Fluorescence microscopy] Ugeskr. laeger, 1940, **102**: 1008–10.—**Helander, S.** Fluorescence microscopy. Acta med. scand., 1948, Suppl. 206, 600–3.—**Keller, R., & Pisha, B. V.** Fluorescent microscopy of fluid movements in living tissue. Clin. Med., 1947, **54**: 394.—**Kufferath, A.** Das moderne Fluoreszenzmikroskop als Hilfsmittel in der Veterinärkunde. Münch. tierärztl. Wschr., 1935, **86**: 316–8.—**Miescher, G.** Fluoreszenzmikroskopische Untersuchungen zur Frage der Penetration von fluoreszierenden Stoffen in die Haut. Schweiz. med. Wschr., 1941, **71**: 1080.—**Polacsek, R. A.** Ueber die Fluoreszensmikroskopie. Med. Mschr., 1947, **1**: 37–9.—**Radice, J. C.** Macroscopía y microscopía fluorescentes. Rev. espafi. enferm. ap. digest., 1949, **8**: 278–98.—**Richards, O. W.** Fluorescence microscopy; demonstration of tubercle bacilli and other acid-fast organisms. In: Med. Physics (Glasser, O.) Chic., 1944, 452–4.—**Strugger, S.** Der gegenwärtige Stand der Forschung auf dem Gebiet der fluoreszenzmikroskopischen Untersuchung der Bakterien. In: Beitr. z. Fluoresz. Mikr. (Bräutigam, F.) Wien, 1949, 86–101, illust.—**Sturdza, S. A.** [Results obtained in microbiology by fluorescence microscope] Rev. şt. med., Bucur., 1940, **29**: 551–67.—**Sutro, C. J.** Fluorescent microscopy. Arch. Path., Chic., 1936, **22**: 109–12.—**Unholtz, K.** Kritische Untersuchungen zur Fluoreszenzmikroskopie. Zschr. Tuberk., 1949, 305–10.—**Zimmerman, W.** Beitrag zum fluorescenzmikroskopischen Nachweis von Bakterien. Zschr. Hyg., 1939–40, **122**: 684–91.

—— Methods.

See also **Staining,** intravital.

BRÄUTIGAM, F., & GRABNER, A. Beiträge zur Fluoreszenzmikroskopie. 130p. 23½cm. Wien, 1949.

Forms Sonderbd 1, Mikroskopie, Wien, & No. 1, Fluoreszenzmikroskopie, Wien.

Barnard, J. E., & Welch, F. V. Fluorescence microscopy with high powers. J. R. Micr. Soc., Lond., 1936, **56**: 361–4, pl. ——— The principles of fluorescence microscopy. Ibid., 1937, **57**: 256–9, pl.—**Dangl, F.** Ein vorteil hafter Spezialobjektträger für fluoreszenzmikroskopische Vital untersuchungen. Mikroskopie, Wien, 1949, **4**: 188.—**Fluorescent microscopy.** Gradwohl Laborat. Digest, 1942–43, **6**: No. 7, 8.—**Graham, C. F.** Simplification of fluorescence microscopy. J. Laborat. Clin. M., 1941–42, **27**: 1188–91.—**Haitinger, M.** Die Grundlagen der Fluoreszenzmikroskopie und ihre Anwendung bei der Untersuchung tierischer Objekte. Zschr. wiss. Mikr., 1933, **50**: 195–8.—**Hamly, D. H., & Sheard, C.** Factors in fluorescence microscopy. J. Optic. Soc. America, 1947, **37**: 316–20.—**Jenkins, R.** Microscopy with fluorescent light. Stain Techn., 1937, **12**: 167–73.—**Kloeck, J. M., & Sweany, H. C.** Binocular fluorescent microscopy. Am. J. Clin. Path., Techn. Sect., 1943, **13**: 96–8.—**Langeron, M. C. P.** Fluoroscopie et microfluoroscopie. In his Précis d. micr., 7. éd., Par., 1949, 299–307.—**Patzelt, V.** Sjöstrands Verfahren zur Feststellung einer Eigenfluoreszenz in animalen Geweben sowie seine Befunde in diesen und besonders der Niere. In: Beitr. z. Fluoresz. Mikr. (Bräutigam, F.) Wien, 1949, 127–9.—**Petrovskaia, O. A.** Primenenie v biologii metoda fluorescentnoi mikroskopii. Usp. sovrem. biol., 1948, **26**: 703–10.—**Pot, A. W.** [Fluorescence microscopy according to Keller] Geneesk. gids, 1939, **17**: 648–50.

—— Microscope.

Brumberg, E. M. [A fluorescence microscope] Priroda, 1940, **29**: No. 3, 18–35.—**Haitinger, M.** Ein Fluoreszenzmikroskop mit einfachen Mitteln. Biol. gen., Wien, 1930, **6**: 125–32, 4 pl.—**Metzner, P.** Ein einfaches Fluoreszenzmikroskop. Zschr. wiss. Mikr., 1928, **45**: 51–3.—**Onoguti, Z., & Takayama, T.** Hō-san kōatu-suigin keikō kenbikyō no kyōran [High-voltage mercury fluorescent microscope produced in Japan] Hokuetu igakkai zassi, 1942, **57**: 1144; 1943, **58**: 851–7.—**Tozawa, H.** Keikō-kenbikyō no konzyaku. Ika kikaigaku zassi, 1942–43, **20**: 87–91.

—— Microscope, luminescence and phosphorescence.

Harvey, E. N., & Chase, A. M. The phosphorescence microscope. Rev. Sc. Instrum., 1942, **13**: 365–8.—**Kögel, G.** Ueber die neuesten Verbesserungen des Lumineszenzmikroskopes. Biol. gen., Wien, 1929, **5**: 665–74.

—— Staining.

See also Staining, intravital; also names of fluorescent dyes as **Fluorescein; Primulin,** etc.

Augier, J., & Prudhomme, R. O. Ecrans liquides adaptés à la microscopie en fluorescence utilisant l'auramine comme fluorochrome. Ann. Inst. Pasteur, Par., 1948, **75**: 223–5.—**Brumberg, E. M.** Colour microscopy in ultra-violet rays. Nature, Lond, 1943, **152**: 357.—**Haitinger, M., & Geiser, P.** Ueber ein neues Fluorochromierungsverfahren und seine Anwendung; fluorescenzmikroskopischer Beitrag zur Eiweiss- und Permeabilitätspathologie. Virchows Arch., 1944, **312**: 116–37.—**Höfler, K.** Fluorochromierungsstudien an Pflanzenzellen. In: Beitr. z. Fluoresz. Mikr. (Bräutigam, F.) Wien, 1949, 46–70, pl. ——— & **Müllner-Haitinger, T.** Zur Wirkung des Coriphosphins auf die Pflanzenzelle. Ibid., 119–26, pl.—**Hughes, G. C.** An improved stain for fluorescence microscopy. Tubercle, Lond., 1946, **27**: 91.—**Levaditi, J. C., Prudhomme, R. O., & Augier, J.** Comparaison des spectres d'absorption des écrans et des spectres d'absorption et d'émission des fluorochromes au cours de la microscopie en fluorescence. Ann. Inst. Pasteur, Par., 1948, **75**: 217–22.

MICROSCOPY, phase-contrast.

See also **Microscopy** subdivisions (Image: Contrast; Incident light) also **Microscopy, polarized.**

Barer, R. Recent advances in microscopy; phase-contrast microscopy. Brit. Sc. News, 1947–48, **1**: No. 9, 10–3, 4 pl.—**Bennett, A. H., Jupnik, H.** [et al.] Phase microscopy. Tr. Am. Micr. Soc., 1946, **65**: 99–131.—**Holzer, W.** Ergebnisse und Probleme mikroskopischer Forschung. Wien. Zschr. inn. Med., 1947, **28**: 307–24.—**Langeron, M. C. P.** Microscopie par contraste de phase. In his Précis d. micr., 7. éd., Par., 1949, 252–8.—**Loos, W.** Das Phasenkontrastverfahren. Umschau, 1941, **45**: 635–7, illust.—**Magliozzi, J.** Phase contrast microscopy. Educ. Focus, Rochester, 1948, **19**: 6–12.—**Richards, O. W.** Phase difference microscopy. Nature, Lond., 1944, **154**: 672. ——— Phase microscopy. J. Bact., Balt., 1946, **51**: 563.

—— Application.

See also other subheadings.

Albertini, A. v. Pflasterepithelzellen im Phasenkontrastbild. Acta anat., Basel, 1945–46, **1**: 463–8.—**Barer, R.** Some applications of phase-contrast microscopy. Q. J. Micr. Sc., Lond., 1947, **88**: 491–500, 4 pl.—**Bennett, A. H.** Phase microscopy, its development and utility. Sc. Month., 1946, **63**: 191–3.—**Haselmann, H.** Protoplasmastrukturen und die Phasenkontrastmikroskopie. Med. Klin., Münch., 1948, **43**: 496.—**Köhler, A.** Das Phasenkontrastverfahren, eine neue Untersuchungsmethode mit dem Mikroskop. Forsch. & Fortschr., 1942, **18**: 173–5.—**Loos, W., Klemm, W., & Smekal, A.** Anwendung der Phasenkontrast-Mikroskopie auf Modellversuche zum Poliervorgang an Gläsern. Naturwissenschaften,

1941, **29**: 769–71.—**Marx, T., & Diehl, F.** Die Anwendung des Phasenkontrast-Verfahrens in der Oberflächenmikroskopie. Ibid., 1948, **35**: 91.—**Michel, K.** Das Phasenkontrastverfahren und seine Eignung für zytologische Untersuchungen. Ibid., 1950, **37**: 52–7, illust.—**Reumuth, H.** Zur Anwendung der Phasenkontrast-Mikroskopie auf Probleme der Faserforschung und Textiltechnik. Zeiss Nachr., 1944–49, 5. Folge, 229–52.—**Richards, O. W.** Phase-difference microscopy for living unstained protoplasm. Anat. Rec., 1944, **89**: 548. ——— The size of living bacteria, measured with the phase microscope. J. Bact., Balt., 1946, **51**: 585. ——— Biological phase microscopy. Sympos. Quant. Biol., 1946, **11**: 208–14, 2 pl. ——— Phase microscopy in bacteriology. Stain Techn., 1948, **23**: 55–64.—**Scandone, F.** Microscopia in contrasto di fase. Monit. zool. ital., 1947, **56**: Suppl., 232–42.—**Smith, A. U.** Cultivation of rabbit eggs and cumuli for phase-contrast microscopy. Nature, Lond., 1949, **164**: 1136.—**Taylor, E. W.** The practical application of phase-contrast to the biologist's microscope. J. R. Micr. Soc., Lond. (1946) 1948, **66**: 1–8, 5 pl.—**Zollinger, H. U.** Phasenmikroskopische Beobachtungen an Zellkulturen. Mikroskopie, Wien, 1948, **3**: 1–11.

—— Illumination, and lamp.

Bennett, A. H., Woernley, D. L., & Kavanagh, A. J. Ultraviolet phase microscopy. J. Optic. Soc. America, 1948, **38**: 739.—**Jupnik, H., Osterberg, H., & Pride, G. E.** Phase microscopy with vertical illumination. Ibid., 1946, **36**: 710; 1948, **38**: 338.—**Osterberg, H.** Phase microscopy with critical illumination. Ibid., 1099.

—— Interference microscopy.

See also **Interferometry.**

Dyson, J. A transmission-type interferometer microscope. Nature, Lond., 1949, **164**: 229.—**Merton, T.** On interference microscopy. Proc. R. Soc., Lond., Ser. A, 1947–48, **191**: 1–6.—**Raether, H.** Ueber die Struktur vergüteter Steinsalzoberflächen. Optik, Stuttg., 1946, **1**: 296–319.—**Rheinberg, J.** On the influence on images of gratings of phase-differences amongst their spectra. J. R. Micr. Soc., Lond., 1906, pt 5, 532–4.—**Richards, O. W.** Interference microscopy. Anat. Rec., 1949, **103**: 498.

—— Medical use.

Albertini, A. v. Zur Anwendung der Phasenkontrastmikroskopie in der pathologischen Histologie. Schweiz. Zschr. Path. Bakt., 1945, **8**: 298–310. ——— La méthode du contraste de phases en histologie. Rev. hémat., Par., 1948, **3**: 139–53.—**Barer, R.** Phase contrast microscopy in anatomy. J. Anat., Lond., 1949, **83**: 61.—**Buchsbaum, R.** Individual cells observed under phase microscopy during fixation. Anat. Rec., 1947, **99**: 640. ——— Individual cells under phase microscopy before and after fixation. Ibid., 1948, **102**: 19–35, illust.—**Crawford, G. N. C., & Barer, R.** The action of fixatives on living cells as studied by phase-contrast microscopy. J. Anat., Lond., 1949, **83**: 73.—**Culiner, A., & Gluckman, J.** The use of the phase-contrast microscope in clinical gynaecology; a preliminary report. J. Obst. Gyn. Brit. Empire, 1948, **55**: 261–7, 4 pl.—**Döbeln, W. v.** Till metodiken vid morfologiska blodundersökningar med faskontrastmikroskopi. Nord. med., 1945, **26**: 1017.—**Dustin, P., jr.** Le microscope à contraste de phase et son utilisation en cytologie pathologique. Acta clin. belg., 1949, **4**: 70–86.—**Feissly, R., & Lüdin, H.** Microscopie par contrastes de phases; applications à l'hématologie. Rev. hémat., Par., 1949, **4**: 481–501.—**Feissly, R., & Québatte, R.** L'examen microscopique par les contrastes de phases; ses applications à l'histologie pathologique et à la cytologie sanguine. Ibid., 1947, **2**: 411–24.—**Haselmann, H.** Mikroskopie histologischer Objekte und das Phasenkontrastverfahren. Aerztl. Wschr., 1948, **3**: 381.—**Locquin & Baud, C. A.** Contraste d'amplitude et contraste de phase; l'appréciation des contrastes de phases et son utilité dans l'examen microscopique. Bull. histol. appl., Lyon, 1947, **24**: 41–6.—**Ludford, R. J., Smiles, J., & Welch, F. V.** The study of living malignant cells by phase-contrast and ultra-violet microscopy. J. R. Micr. Soc., Lond., 1948, **68**: 1–9, 2 pl.—**Miczbán, I.** Ujabb experimentális irányok a szövettanban; fáziskontrasztmikroszkópia. Orvosok lap., 1949, **5**: 541–4.—**Peters, V. B., Flynn, J. P., & Warner, L.** The use of phase microscopy for the study of fixed material. Anat. Rec., 1950, **106**: 311.—**Walch, H.** Phasecontrastmethode van Zernike. Med. mbl., Batavia, 1949, **2**: 99–103.—**Weel, P. B. v.** Nieuwe mogelijkheden in het cytologisch en histologisch onderzoek door middel van het phase-contrast-microscoop. Ibid., 103–6.—**Zollinger, H. U.** Cytologic studies with the phase microscope; morphologic changes associated with the death of cells in vitro and in vivo. Am. J. Path., 1948, **24**: 1039–53, illust.

—— Method.

Baker, J. R., Kempson, D. A., & Brunet, P. C. J. A simple method for phase-contrast microscopy; improvements in technique. Q. J. Micr. Soc., Lond., 1949, **90**: 323–9.—**Barer, R.** Variable colour-amplitude phase-contrast microscopy. Nature, Lond., 1949, **164**: 1087.—**Bennett, A. H.** Phase-difference microscopy for transparent objects. Anat. Rec., 1944, **89**: 547.—**Cole, W. V.** Rapid methods of preparation of slides for phase contrast observation. J. Osteopathy, 1949, **56**: No. 3, 14–6.—**Crossmon, G. C.** Dispersion staining with phase-contrast microscope accessories; the microscopic identification of quartz. Science, 1949, **110**: 237. ——— Mounting media for phase microscope specimens. Stain Techn., 1949, **24**: 241–7.—**Grigg, F. C.** Colour-contrast phase microscopy. Nature, Lond., 1950, **165**: 368.—**Martin, L. C.** Phase-contrast methods in microscopy. Ibid., 1947, **159**: 827–30.—**Osterberg, H., & Pride, G. E.** The measurement of unresolved, single particles of uniform thickness by means of variable phase microscopy. J. Optic. Soc. America, 1950, **40**: 64–73.—**Richards, O. W.** Contrast control in phase microscopy from appropriate choice of mounting medium. Anat. Rec., 1949, **105**: 546.—**Zernike, F.** Phase-contrast, a new method for the microscopic observation of transparent objects. In: Achievem. in Optics (Bouwers, A.) N. Y., 1946, 116–35.—**Zollinger, H. U.** Cytologic studies with the phase microscope; alterations in the nuclei of resting and dividing cells induced by means of fixatives, anisotonic solutions, acids, and alkali. Am. J. Path., 1948, **24**: 797–811, illust.

—— Microscope.

Francon, M. Nouveau dispositif à contraste de phase pour microscope. C. rend. Acad. sc., 1949, **229**: 183–5. ——— Le microscope à contraste de phase. Nature, Par., 1949, 357–9. ——— Dispositif à contraste de phase pour microscope. Rev. opt., Par., 1950, **29**: 129–34.—**Osterberg, H.** The multipupil in phase microscopy. J. Optic. Soc. America, 1948, **38**: 668; 685.—**Phase-contrast** microscope. Rev. Sc. Instrum., 1949, **20**: 535.—**Powell, R. H.** The Galileo phase-contrast microscope. J. R. Micr. Soc., Lond., 1949, **69**: 237.—**Rentzsch, I. W.** Die optischen Grundlagen des Phasenkontrastverfahrens. Schweiz. Optiker, 1949, **25**: 21–5.—**Saphir, O.** The phase microscope. Am. J. Clin. Path., 1947, **17**: 728.—**Taylor, E. W.** The phase-contrast microscope with particular reference to vertical incident illumination. J. R. Micr. Soc., Lond., 1949, **69**: 49–52, 13 pl.

—— Microscope: Polanret.

Osterberg, H. Polanret microscopy. J. Optic. Soc. America, 1946, **36**: 710. ——— The polanret microscope. Ibid., 1947, **37**: 726–30.

—— Optics [incl. phase plate]

Brice, A. T., & Keck, P. H. The most favorable absorption of the phase plate in phase contrast microscopy. J. Optic. Soc. America, 1947, **37**: 647–51.—**Crossmon, G.** Refractive index and phase microscopy. Educ. Focus, Rochester, 1949, **20**: No. 2, 13–5, illust.—**Françon, M.** Limite de séparation du microscope à contraste de phase. C. rend. Acad. sc., 1949, **228**: 1413.—**Hartley, W. G.** A variable phase-contrast system for microscopy. Nature, Lond., 1947, **159**: 880.—**Lachenaud, M.** Le procédé à contrastes de phase de F. Zernike appliqué à la microscopie. Rev. opt., Par., 1947, **26**: 205–28.—**Magliozzi, J.** Contrast effects of phase changing elements in microscopy. J. Optic. Soc. America, 1947, **37**: 982.—**Richards, O. W.** Image contrast control with phase microscopy. Ibid., 1948, **38**: 668.—**Richter, R.** Eine einfache Erklärung des Phasenkontrastmikroskops. Optik, Stuttg., 1947, **2**: 342–5.—**Taylor, E. W.** The control of amplitude in phase-contrast microscopy. Proc. R. Soc., Lond., Ser. A, 1947, **190**: 422–6. ——— & **Payne, B. O.** A variable phase-contrast system for microscopy Nature, Lond., 1947, **160**: 338.

MICROSCOPY, polarizing.

See also such terms as **Microspectrography; Mineralogy,** Methods; **Polariscope; Polarization; Polarizer;** also under names of birefringent substances.

RINNE, F., & BEREK, M. Anleitung zu optischen Untersuchungen mit dem Polarisationsmikroskop. 279p. 8° Lpz., 1934.

Békésy, N. Ueber Mikropolarisation. Biochem. Zschr., 1942, **312**: 103–6.—**Bryant, W. M. D.** Optical crystallographic studies with the polarizing microscope; measurement of several types of selective dispersion in organic compounds. J. Am. Chem. Soc., 1941, **63**: 511–6.—**Capdecomme, L.** Sur l'adaptation du microscope polarisant aux mesures photométriques réalisation d'un nouvel affaiblisseur. C. rend. Acad. sc., 1943 **217**: 367.—**Langeron, M. C. P.** Emploi du microscope polarisant. In his Précis d. micr., 7. éd., Par., 1949, 230–6.—**Luntley, J. L.** Sur quelques modes d'utilisation des écrans polarisants en polaroïd. Bull. Soc. fr. micr., 1939, **8**: 44.—**Monroy, A.** Possibilità e limiti di impiego dell'esame in luce polarizzata nello studio della struttura submicroscopica delle cellule e dei tessuti animali. Ricer. sc., 1947, **17**: 643–5.—**Pfeiffer, H. H.** Studies on Chironomus chromosomes with the polarizing microscope. Nature, Lond., 1939, **143**: 335. ——— Polarisationsmikroskopische Messungen an gerichtet gespannten Mutterstücken von Ganglienkulturen in vitro. Naturwissenschaften, 1943, **31**: 47.—**Schmidt, W. J.** [Methods and results of examination of the animal body with the polarization microscope] Ned. tschr. geneesk., 1927, **71**: pt 2, 364–6, ——— Polarisationsmikroskopische Beobachtungen an Acti-

nosphaerium eichhornii. Biol. Zbl., 1944, **64**: 5–14.—**Sommerfeldt, E.** Eine einfache Methode zur Justierung der Nikols am mineralogischen Mikroskop. Zschr. wiss. Mikr., 1907, **24**: 24.—**West, C. D.** Polarizing attachment for optical instruments such as microscopes. U. S. Patent Off., 1939, No. 2,152,513.—**West, P. W.** Polarized light microscopy. Chemist Analyst, 1946, **35**: 28–35.

—— Microscope [incl. accessories]

Bell, R. N. Polarizing microscope, a quality control instrument. Food Indust., 1948, **20**: 1775–8.—**Benford, J. R., & Turner, A. F.** Polarized light compensator for vertical illumination. J. Optic. Soc. America, 1941, **31**: 756. ——— Polarized light compensating system. U. S. Patent Off., 1942, No. 2,303,906.—**Bennett, A. H.** Polarizing microscope and polarizing haemacytometer therefor. Ibid., 1948, No. 2,435,953.—**Bryan, G. H.** A polariscope for dissecting and pocket microscopes. J. R. Micr. Soc., Lond., 1921, pt 2, 149–52.—**Derow, H. A.** An inexpensive polarizing device for microscopes. J. Laborat. Clin. M., 1940–41, **26**: 694.—**Johnson, B. K.** Polarizers for the microscope. J. R. Micr. Soc., Lond., 1921, pt 2, 147. ——— The polarization microscope. Endeavour, Lond., 1948, **7**: 57–65, illust.—**Luntley, J. L.** Adaptation des écrans polariseurs en polaroïd II, aux microscopes binoculaires et monoculaires. Bull. Soc. fr. micr., 1938, **7**: 144.—**Reichert, C.** Ueber neue Polarisations-Mikroskope. Zschr. angew. Mikr., 1908, **14**: 57–60.—**Turner, A. F.** Optical instrument. U. S. Patent Off., 1944, No. 2,359,694.—**Wehrli, S.** Eine Polarisationslupe für toxikologische Analysen. Deut. Zschr. gerichtl. Med., 1937–38, **29**: 101–3.

—— Polarized light.

Cole, W. V. Polarized light in photo-microscopy. J. Biol. Photogr. Ass., 1947–48, **16**: 146–50.—**Hopkins, H. H.** Resolving power of the microscope using polarized light. Nature, Lond., 1945, **155**: 275.—**Langeron, M. C. P.** Emploi de la lumière polarisée. In his Précis d. micr., 7. éd., Par., 1949, 216–51, illust. ——— Polarisation par réflexion vitreuse. Ibid., 236–51, illust.—**Manigault, P.** Emploi de la polarisation par réflexion vitreuse dans les loupes et microscopes stéréoscopiques. C. rend. Acad. sc., 1947, **224**: 648–50.—**Péreire, M.** Pratique de la lumière polarisée, en lumière parallèle. Bull. Soc. fr. micr., 1933, **2**: 9–11.—**Ullrich, H.** Ueber die Bedeutung anastigmatischer Beleuchtung für die Polarisationsmikroskopie schwach doppelbrechender Objekte. Zschr. wiss. Mikr., 1943, **59**: 8–11.

MICROSECTION.

See also **Microtome; Microtomy.**

Abercrombie, M. Estimation of nuclear population from microtome sections. Anat. Rec., 1946, **94**: 239–47.—**Bordier.** Déterminations de l'épaisseur des coupes anatomiques faites au microtome. Lyon méd., 1910, **114**: 1121.—**Fabergé, A. C.** Measuring : he thickness of very thin microtome sections. Science, 1949, **110**: 73.—**Marengo, N. P.** Paraffin section thickness, a direct method of measurement. Stain Techn., 1944, **19**: 1–10.—**Pfuhl, W.** Die Auszählung der zweikernigen Zellen im mikroskopischen Schnitt. Verh. Anat. Ges., 1931, **39**: 214.—**Weigert, C.** Ueber Aufbewahrung von Schnitten ohne Anwendung von Deckgläschen. In his Gesammt. Abh., Berl., 1906, 2: 564.—**Weiss, R.** A device for the protection of microtome sections. J. Laborat. Clin. M., 1944, **29**: 525.

—— Mounting.

See also **Microscope slide; Microscopy,** Specimen preparation.

Claoué, C. Le collage des coupes dans la technique microscopique; contribution à l'étude du collodionnage. Gaz. sc. méd. Bordeaux, 1920, **41**: 210.—**Cobe, H. M., & Schaeufle, A.** A practical and inexpensive method for fixation of paraffin sections to slides. Am. J. Clin. Path., Techn. Sect., 1946, **10**: 31.—**Faulkner, R. R., & Lillie, R. D.** Dried egg white for Mayer's albumen glycerol fixative. Stain Techn., 1945, **20**: 99.—**Helly, K.** Zur Technik der Wasseraufklebung von Paraffinschnitten. Zschr. wiss. Mikr., 1906, **23**: 330.—**Hirschler, J.** Formalin als gutes Aufklebemittel für Schnitte, Ausstriche und Kleinobjekte. Ibid., 1941–42, **58**: 145–8.—**Iwanoff, X.** Ueber das Aufkleben von Gefrierschnitten. Ibid., 1936, **53**: 48.—**Lewis, L. W.** Method for affixing celloidin sections. Stain Techn., 1945, **20**: 138.—**Olt.** Das Aufkleben mikroskopischer Schnitte. Zschr. wiss. Mikr., 1906, **23**: 323–8.—**Pollaci, G.** Ein höchst einfaches Mittel zum automatischen Aufkleben der mikroskopischen Schnitte gleichzeitig mit dem Schneiden. Zbl. allg. Path., 1911, **22**: 289.

—— Processing.

See also **Histology,** Methods; **Microscopy,** Methods; also such terms as **Dehydration; Staining,** etc.

Adelheim, E. Handling extremely thin paraffin sections. Stain Techn., 1943, **18**: 144.—**Barrett, A. M.** On the removal of formaldehyde-produced precipitate from sections. J. Path. Bact., Lond., 1944, **56**: 135.—**Culling, C. F. A.** The mass staining of paraffin sections before the removal of wax. J Clin. Path., Lond., 1949, **2**: 146–8.—**Eichorn, K. B.** Note on a simple method for zenkerizing paraffin sections of formaldehyde-fixed tissues. Canad. J. M. Techn., 1942–43, **4**: 76.—**Funk, C.** A propos de la déshydratation des coupes montées sur lames porteobjet. Zschr. wiss. Mikr., 1909, **26**: 422–4.—**Grocott, R. G.** Simplified economical section preparation for large pathologic laboratories. Am. J. Clin. Path., Techn. Sect., 1945, **9**: 54.—**Rawlins, T. E., & Takahasi, W. N.** Elimination of distortion and poor staining in paraffin sections of plant tissues. Stain Techn., 1947, **22**: 99–102.—**Reid, R. D.** Rapid preparation of sections suitable for examination with oil immersion objectives. J. Path. Bact., Lond., 1938, **47**: 348.—**Vandegrift, W. B.** A dehydrating fixative for general use, including a description of techniques and stains for paraffin and celloidin sections. Bull. Johns Hopkins Hosp., 1942, **71**: 96–111.—**Wellings, A. W.** The technique of preparing sections for microscopic examination. Tr. Internat. Congr. Med. (1913) 1914. Sect. XVII, Stomat., pt 2, 79–86.

—— serial.

See also **Microtomy.**

Ask, F. Eine kleine Bemerkung zur Schnittserienmethode von Suzuki. Zschr. wiss. Mikr., 1914, **31**: 367.—**Honigmann, H.** Ein Hilfsapparat für die Herstellung lückenloser Schnittserien, speziell für Rekonstruktionen. Ibid., 229–35.—**Minckler, D.** A plastic mount for serial sections. Am. J. Clin. Path., Techn. Sect., 1942, **6**: 47–9.—**Strasser, H.** Ueber die Nachbehandlung der Schnittserien auf Papierunterlagen. Zschr. wiss. Mikr., 1910, **27**: 339–44.—**Tishutkin, N. P.** Opisanie pribora dlya odnovremennoĭ obrabotki mnogochislennïkh mikroskopicheskikh srïezov i o primïenenii etogo pribora dlya obrabotki melkikh histologicheskikh obiektov (zarodïsheĭ, jaïts, i t. p.) Russ. vrach, 1906, **5**: 97–101. Also Zschr. wiss. Mikr., 1906, **23**: 45–58.—**Wallart, J.** Coupes sériées à la celloïdine. Bull. histol. appl., Lyon, 1934, **11**: 334–6.

MICROSEDIMENTATION.

See also **Blood sedimentation,** Methods, micrometric; **Microchemistry,** Methods; **Sedimentation;** also **Centrifugation; Molecular weight,** Determination, etc.

Vladesco, R. Le dosage des chlorures par microsédimentation; application au lait. C. rend. Acad. sc., 1941, **212**: 238–40. ——— Le dosage du potassium dans les liquides biologiques par microsédimentation. Ibid., 394–6. ——— Le dosage du phosphore par microsédimentation; application aux liquides biologiques. Ibid., 641–3.

—— Medical use.

See also **Cytology,** Methods; **Erythrocyte,** Sedimentation.

Bennhold, H. Die Mikrosenkungsreaktion von Ernst Müller-Scheven. Münch. med. Wschr., 1941, **88**: 681.—**Boström, L.** [Microscopic control of the sedimentation reaction] Nord. med., 1940, **6**: 1007–9.—**Brooks, C.** A new micro-pipette for blood sedimentation measurements. Am. J. M. Techn., 1937, **3**: 1–7.—**Davidsen, H. G.** Forenklet opstilling af mikrosaenkningsreaktionen. Ugeskr. laeger, 1948, **110**: 33.—**Goldberger, E. W.** A comparative study of the erythrocyte sedimentation test with the Hellige-Vollmer (Langer) microsedimeter and the modified Westergren method. J. Laborat. Clin. M., 1939–40, **25**: 657–60.—**Gragert, O.** Kritisches zur Mikrosedimentrie (Linzenmeier und Raunert) Klin. Wschr., 1925, **4**: 2436–8.—**Heidemann, W.** Erfahrungen mit Mikromethoden der Blutkörperchensenkungsreaktion. Deut. Tuberk. Bl., 1940, **14**: 197–202.—**Herzog, R. S.** The microsedimentation rate. J. Laborat. Clin. M., 1941–42, **27**: 355–64.—**Ibáñez, J.** Micrométodo de eritrosedimentación. An. Inst. Llorente, 1945, 49.—**Jochims, J., & Höpker, M.** Klinische Erfahrungen mit der Mikro-Blutsenkung im Säuglingsalter. Kinderärztl. Prax., 1944, **15**: 20–9.—**Kato, K.** Use of combination microhemopipet, with special reference to sedimentation rate, packed cell volume and icteric index in pediatric practice. Am. J. Dis. Child., 1940, **59**: 310–21.—**Kohan I., R., & Kohan I., M.** La micro-eritro-sedimentación en pediatría. Rev. med., Valparaíso, 1945–46, **19**: 199–217. Also Pediat. Américas, Méx., 1947, **5**: 212–27.—**Küster, F.** Welche Verbreitung hat die Mikro-Blutsenkung erlangt und welche Methode wird bevorzugt? Zschr. Kinderh., 1947–48, **65**: 175–8.—**Landau, A.** [A microsedimentation apparatus capable of being used in ambulatory practice] Sven. läk. tidn., 1932, **29**: 737–44.—**McLean, C. C.** Microsedimentation in children. South. M. J., 1944, **37**: 726–9.—**Murakami, K.** Ueber die Mikromethode für die Erythrozytensenkungsreaktion. Acta paediat. jap., 1938, **44**: 8 (Abstr.)—**Nádvorník, O.** [Sedimentation of erythrocytes by Steiger's micromethod] Cas. lék. česk., 1934, **73**: 825–9.—**Nielsen, G., & Rode-Møller, I.** Heparin blood and Landau's micro-sedimentation method. Acta med. scand., 1943, **113**: 463–5.—**Olbrechts, E.** Valeur des microméthodes proposées pour la recherche de la vitesse de sédimentation des globules rouges. Rev. belge tuberc.,

1928, **19**: 19–25.—**Pechenko, A. I.** [Clinical significance of the six-stage micromethod in the sedimentation reaction in obstetrics and gynecology] Kazan. med. J., 1939, **35**: No. 7, 62–7.—**Rogatz, J. L.** Microsedimentation of the erythrocytes in infants and in children. Am. J. Dis. Child., 1938, **56**: 1037–45. ——— A simple micrometric apparatus for determining the sedimentation rate of the erythrocytes. J. Laborat. Clin. M., 1942–43, **28**: 1842–9.—**Sindō, M.** Biryō sekkekkyū tinkō hannō no mondai. Zika sinryo, 1949, **12**: 34–6.—**Thillard, P.** Présentation d'appareillages pour microsédimentation. Ann. biol. clin., Par., 1947, **5**: 52–5.—**Trought, H.** Micro-method for the estimation of the sedimentation rate of red cells. Arch. Dis. Childh., Lond., 1942, **17**: 136–8.—**Vollmer, H.** Microsedimeter for erythrocyte sedimentation test. N. York State J. M., 1939, **39**: 1583–6.—**Wang, C. Y., & Chu, F. T.** A simple micro-method for the determination of erythrocyte sedimentation rate in children. Chin. M. J., 1939, **55**: 220–30.

MICROSEDIMETRY.

See under **Microsedimentation,** Medical use.

MICROSEROLOGY [incl. microhemodiagnostics]

See also **Serodiagnosis; Serology;** also names of tests under such headings as **Blood serum,** Coagulation: Weltmann's test; **Rickettsiasis,** Diagnosis; **Salmonellasis,** Diagnosis, etc.

Laporte, R., & Hardre de Looze, L. Sur l'utilisation pratique des microméthodes en sérologie. Ann. Inst. Pasteur, Par., 1946, **72**: 437–9.—**Mounier, P.** Les micro-réactions en sérologie. Ann. biol. clin., Par., 1945, **3**: 225–33.—**Suchet, A.** Eléments de micro-sérologie. Ibid., 82–9.

—— Blood typing.

See also **Blood group,** Determination.

Mas y Magro, F. La prueba directa para la elección de dador en la transfusión sanguínea de urgencia; nota de un micrométodo. Clín. hisp., 1946, **2**: 118.—**Ponsold, A.** Die Kapillarmethode in der Blutgruppenbestimmung. Münch. med. Wschr., 1941, **88**: 305–8.—**Schafer, W.** Ueber eine Methode der Blutgruppenbestimmung mit auf Objektträgern fixiertem Trockentestserum. Ibid., 1943, **90**: 205.—**Schnir, M.** Sueros testigos desecados sobre porta-objetos. Día méd., B. Air., 1947, **19**: 1871.—**Wagner, G. F.** Blutgruppenbestimmungen im trockenen Serumtropfen bei Reihenuntersuchungen. Deut. Militärarzt, 1941, **6**: 164–6.

—— Chediak microreaction.

See also under **Syphilis,** Serodiagnosis.

Althaus, H. R. L. *Entwicklung der Flokkungsreaktionen bei Syphilis und Ergebnisse mit der Trockenblutreaktion nach Chediak [Heidelberg] 23p. 22cm. Würzb., 1939.

Bernhart, T. F. *Klinisch-experimenteller Beitrag zur Chediak'schen TBR. auf Lues. 15p. 23cm. Berl., 1940.

Bilsdorfer, L. *Die Brauchbarkeit der Chediak'schen Flockungsreaktion auf Lues in der serodiagnostischen Praxis. 25p. 22cm. Bonn, 1937.

Boureau, R. C. *La réaction de Chediak en particulier au point de vue médico-légal. 40p. 25cm. Par., 1939.

Grahner, M. *Die Untersuchung auf Lues aus einem Blutstropfen nach Chediak-Dahr [Frankfurt a. M.] 15p. 23cm. Würzb., 1938.

Montes González, A. *Microrreacción de Chediak. 33p. 21½cm. Granada (Nicaragua) 1941.

Vivanco Kamann, A. *Estudio comparativo de la micro-reacción de Chediak con las reacciones de Wassermann y Kahn [Chile] 86p. 25cm. Santiago, 1939.

Volk, N. *Mikromethoden zur Luesdiagnose unter besonderer Berücksichtigung der Trockenblutreaktion (TBR) 9p. 22cm. Freib. i. B., 1936.

Albrecht, B. Die Trockenblutreaktion nach Chediak beim syphilitischen und beim normalen Kaninchen. Zschr. Immunforsch., 1941, **100**: 91–8. ——— Ueber die Spezifität der Trockenblutreaktion nach Chediak beim syphilitischen Kaninchen und die Diagnostizierung sogenannter Pallidakulturen mit der TBR. Zbl. ges. Hyg., 1943, **51**: 145 (Abstr.)—**Ammatuna, E. S.** Modificación de la reacción de Chediak. Rev. sanmil., Asunción, 1944, No. 141, 129; passim.—**Baliña, P. L., & Jachesky, L.** Dispositivo práctico para la remisión de muestras de sangre destinadas a la reacción de Chediak. Sem. méd., B. Air., 1940, **47**: pt 2, 105. ——— & **Noussitou, F.** La microrreacción de Chediak para la sífilis; nuestra experiencia personal. Ibid., 1; passim. Also Rev. méd. cubana, 1941, **52**: 563–71.—**Barzizza, C. M.** La microrreacción Chediak para el diagnóstico de la sífilis realizada con una gota de sangre seca; su utilidad en clínica obstétrica. Sem. méd., B. Air., 1939, **46**: 313–8.—**Battaglia, A., & Etcheverry, M. A.** Reacción de Chediak; conservación de muestras de sangre testigo. Rev. méd. quir. pat. fem., B. Air., 1944, **23**: 413–34. Also Sem. méd., B. Air., 1944, **51**: pt 2, 833–7.—**Böhme, G.** Ist die Trockenblutreaktion auf Lues nach Chediak zuverlässig? Derm. Wschr., 1937, **105**: 1062. ——— Die Brauchbarkeit der Trockenblutreaktion nach Chediak zur Serodiagnostik der Syphilis. Klin. Wschr., 1937, **16**: 225; 1026.—**Camacho Baños, I., & Garrido Blanco, A.** Sobre la reacción de Chediak, modificada por Meinicke para el diagnóstico de la lúes. Actas derm. sif., Madr., 1940–41, **32**: 62–9.—**Castañeda-Palacios, R.** Ergebnisse einer Nachprüfung der Chediakschen Luesreaktion im klinischen Betriebe. Deut. med. Wschr., 1937, **63**: 1155.—**Chediak, A.** El diagnóstico de la sífilis practicado en una gota de sangre desecada y desfibrinada. Rev. méd. cubana, 1932, **43**: 947–53. ——— Simplificación del diagnóstico serológico de la sífilis por la microrreacción Chediak realizada con una gota de sangre seca. Arch. med. int., Habana, 1935, **1**: 528–83. ——— Características prácticas utilizables en pediatría de la microrreacción Chediak para el diagnóstico de la sífilis con una gota de sangre seca. An. Soc. puericult. B. Aires, 1938, **4**: 335. ——— Cinco años de experiencia con la microrreacción Chediak para el diagnóstico de la sífilis con una gota de sangre seca. Rev. méd. cubana, 1938, **49**: 464–505. ——— O diagnóstico rápido da sifilis pela micro-reação de Chediak, executada com uma gota de sangue dessecada. An. brasil. derm. sif., 1939, **14**: 195–204. ——— Características prácticas de la microrreacción Chediak utilizables en pediatria. An. Soc. puericult. B. Aires, 1939, **5**: 16–32.—**Cirera, P.** Contribution à l'étude de la micro-réaction de Chediak. Ann. biol. clin., Par., 1946, **4**: 194–7. Also Rev. méd. cubana, 1947, **58**: 930–4.—**Dahr, P.** Die Luesdiagnose aus einem angetrockneten Tropfen Blut. Deut. med. Wschr., 1934, **60**: 94–6. ——— Serologische Schnelldiagnose der Lues. Med. Welt, 1936, **10**: 265–8. ——— Ist die Trockenblutprobe auf Lues nach Chediak zuverlässig? Derm. Wschr., 1937, **104**: 709; passim. ——— Die Brauchbarkeit der Trockenblutreaktion nach Chediak zur Serodiagnostik der Syphilis. Klin. Wschr., 1937, **16**: 1025. ——— Erfahrungen bei Massenuntersuchungen mit der Trockenblutreaktion auf Lues. Zbl. Bakt., 1. Abt., 1939, **144**: 259–63; Disc., 267.—**Díaz Albertini, A., Lage, G., & Recio, A.** La micro-reacción de Chediak y su importancia en la acción sanitaria. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., **6**: 119. Also Rev. san. mil., Habana, 1940, **4**: 132–43. Also Bol. Of. san. panamer., 1941, **20**: 792–8.—**Etcheverry, M. A., Battaglia, A., & Tropeano, A.** Microrreacción de Chediak; estudio comparativo con las reacciones de Wassermann y Kahn standard. Prensa méd. argent., 1940, **27**: 1025–37. Also Rev. méd. quir. pat. fem., B. Air., 1940, **15**: 251–68.—**Falcón, S., & Chediak, A.** El diagnóstico de la sífilis en el reciénnacido por la microreacción Chediak. Rev. méd. cubana, 1934, **45**: 919–41.—**Gabriele, L.** Valore della reazione di Chediak nella diagnosi di lue. Dermosifilografo, 1939, **14**: 192–6.—**Giaccio, E.** Resultados de la reacción de Chediak y proyecto de ordenanza sobre censo serológico municipal. Prensa méd. argent., 1943, **30**: pt 2, 1515.—**Gondesen, H.** Die Modifikation der Trockenblutreaktion auf Lues nach Chediak mit Fliesspapier. Zbl. Haut Geschlkr., 1948–49, **72**: 256.—**Grahner, M., & Bertram, M.** Die Untersuchung auf Lues aus einem Blutstropfen nach Chediak-Dahr. Derm. Wschr., 1938, **107**: 1119–21.—**Heinke, E.** Die Wichtigkeit der Trockenblutreaktion nach Chediak bei zunehmender Durchseuchung mit Lues. Hippokrates, Stuttg., 1947, **18**: 358–61.—**Hombría & Carbonero.** Serodiagnóstico de la sífilis en gota seca. Med. ibera, 1935, **29**: 474.—**Hostalka, R.** Ueber die Verwendbarkeit der Chediakreaktion bei Lues congenita. Arch. Kinderh., 1940, **120**: 152–8. Also Münch. med. Wschr., 1940, **87**: 492.—**Jüptner, W.** Die Zuverlässigkeit der Trocken-Blut-Reaktion nach Chediak für die Sero-Diagnose der Syphilis gegenüber den grossen Sero-Reaktionen. Deut. Gesundhwes., 1949, **4**: 267.—**Kathe, J.** Ist die gesetzliche Anordnung der Trockenblutreaktion zur Syphilisdiagnose nach Chediak vertretbar? Ibid., 1948, **3**: 630.—**Kubányi, K.** Ueber die Chediaksche Luesreaktion. Deut. med. Wschr., 1943, **69**: 468 (Abstr.)—**Kwiesielewicz, K.** [Diagnosis of syphilis from a dry blood-drop according to Chediak's reaction and the value of this method in comparison with other serological reactions] Przegl. derm., Warsz., 1938, **33**: 441–65.—**Lepolard Antunes, M., & Ruggiero, J.** A microreacção de Chediak. Rev. clín. S. Paulo, 1940, **8**: 4–12.—**Löhe.** Hat die Trockenblutprobe nach Chediak für die Erfassung Syphiliskranker irgendwelchen spezifischen Wert und wie ist die Technik derselben? Zschr. ärztl. Fortbild., 1938, **35**: 591.—**Meinicke, E.** Ueber die Zuverlässigkeit der Trockenblutreaktion nach Chediak und deren Verwendbarkeit in der Wehrmacht. Deut. Militärarzt, 1941, **6**: 301.—**Navarini, E. P.** La heredolúes en la casa cuna y hospital de niños del Hospicio de Huérfanos de Rosario; ventajas en pediatría de la microrreacción de Chediak. Gac. méd. México, 1944, **74**: 573–6.—**Navratil, E.** Erfahrungen über die Bluttrockenreak-

tion auf Lues nach Cbediak in der Geburtsbilfe. Zbl. Gyn., 1935, 59: 2429–33.—**Pastinszky, I.** [Experiences with tbe Chediak microreaction] Orv. betil., 1939, 83: 834–6. ——— Chediak reactio viselkedése ingersavóban, nyirokcsomónedvben és vérben. Orvostud. közl., 1944, 5: 53–5.—**Peralta Ramos, A., & Barzizza, C. M.** La microrreacción de Chediak; su utilidad en clínica obstétrica. Prensa méd. argent., 1940, 27: pt 2, 1929–37.—**Pisacane, C.** Sul valore della nuova reazione di Chediak-Leipner nella diagnosi della sifilide. Riforma med., 1937, 53: 677–81.—**Polóny, B.** [Value of Cbediak's reaction] Börgyógy. urol. vener. szemle, 1940, 18: 5.—**Pontoppidan, B.** Tbe reaction of dried-blood according to Chediak in the diagnosis of syphilis. Acta derm. vener., Stockb., 1942–43, 23: 313–26.—**Recio Forns, A.** Importancia de la micro-reacción Chediak empleando un antígeno estabilizado. Rev. cubana laborat. clín., 1948, 2: 286–8.—**Rezola Azpiazu, A.** Utilidad de la microrreacción de Chediak en pediatría. Libro de actas Congr. nac. pediat. (1944) 1945, 6. Congr., 619–23. ——— El diagnóstico de la sífilis por la microrreacción de Chediak ejecutada en una gota de sangre seca. An. Casa sal. Valdecilla, 1946, 9: 119–48.—**Rodrigo, A. F.** La microrreacción Chediak; sífilis, en sangre de madre e hijo; su importancia en clínica obstétrica; estudio comparativo con las reacciones de Wassermann y Kahn standard y presuntiva. Sem. méd., B. Air., 1940, 47: 1367–78.—**Roelen, W.** Ueber die Leistungen der Chediak-Trockenblut-MKR; Reaktion im Vergleich zu den Blutseroreaktionen. Derm. Wschr., 1939, 109: 1142–5.—**Rosner, J., & Strzyzewski, S.** [Chediak's reaction in syphilis] Przegl. derm., Warsz., 1939, 34: 45–59.—**Sammartino, E. S., & Bufill, E. M.** Microrreacción de Chediak; su importancia en el estudio de los hemodadores; nuestro instrumental para la práctica de la misma; simplificación de su técnica. Rev. med., B. Air., 1939, 1: No. 2, 46–51.—**Schiavone, E. L.** Estudio comparativo de la reacción de Chediak con las reacciones de Wassermann, Kahn standard y presuntiva. Rev. san. mil., B. Air., 1941, 40: 927; passim.—**Schuck, J.** Die Chediaksche Reaktion auf Syphilis und ihre klinische Verwendbarkeit. Münch. med. Wschr., 1941, 88: 566 (Abstr.)—**Sikorski, H.** Lues-Reihenuntersuchungen mit modifizierter Chediak-Reaktion. Klin. Wschr., 1948, 26: 437–41.—**Sorondo Garcia, E.** Diagnóstico de la sífilis por la microrreacción Chediak. Rev. méd. cubana, 1933, 44: 1043–53.—**Stahn, I.** Erfahrungen über die Trockenblutprobe auf Lues nach Cbediak. Zbl. Bakt., 1. Abt., 1937, 139: 188–93.—**Szodoray, L., & Káldor, I.** Tapasztalataink a Cbediak-Dabr-féle reactioval és ennek Zimmerman által történt módosításával. Börgyógy. vener. szemle, 1948, 2: 103–5.—**Takáts, L.** Chediak-reakció a gyakorlóorvos kezében. Népegészségügy, 1944, 25: 661.—**Técnica** da microrreação de Chediak. Arq. hig., Rio, 1944, 14: 177–9.—**Vidal Vera, A.** Diagnóstico serológico de la sífilis por la microrreacción de Chediak realizada con una gota de sangre seca. Rev. méd. Yucatán, 1944–46, 23: 447–50. Also Sugestiones, Méx., 1945–46, 11: No. 124, 120–4.—**Virasoro, J. E., Pellerano, J. C., & Savón Salaberry, J.** Consideraciones sobre la reacción de Chediak en el lactante. Rev. Soc. puericult. B. Aires, 1947, 13: 25–30.—**Vogt, H.** Untersuchungen über die Chediaksche Trockenblutreaktion und eine Abänderung der Dahrschen Technik. Med. Welt, 1938, 12: 1802–4.—**Von der Heydt, A.** Die Trockenblutreaktion nach Chediak; eine einfache für die Praxis geeignete Scbnellreaktion auf Lues. Med. Klin., Münch., 1948, 43: 113.—**Weilenmann, E.** Die Chediak-Methode eine wertvolle Ergänzung serologischer Untersuchungsmethoden bei Lues. Derm. Wscbr., 1939, 108: 325–9.—**Wendeborn, H.** Untersuchungen über die Zuverlässigkeit einer Trockenblutprobe nach Chediak als Luesreaktion. Ibid., 1935, 101: 1543–7. ——— Ist die Trockenblutprobe nach Cbediak als Luesreaktion wertvoll? Ibid., 1937, 105: 1173–7.—**Wendlberger, J.** Ueber die klinische und praktiscbe Verwertbarkeit der Luesdiagnose aus einem eingetrockneten Tropfen Blut. Ibid., 1441–5. ——— **& Schreiner, K.** Ueber die Luesdiagnose aus einem eingetrockneten Tropfen Blut nach Chediak. Ibid., 1935, 101: 1539–43.—**Zimmermann, E.** Die Cbediak-M.K.R.-II; Untersucbungen über neue Möglichkeiten. Med. Welt, 1940, 14: 507.

—— Complement fixation.

See also **Complement fixation; Syphilis,** Serodiagnosis; **Wassermann test.**

Giraut-Erler, L. Micro-réactions de Bordet-Wassermann et de Hecbt. Ann. biol. clin., Par., 1948, 6: 277–9.—**Provera, P.** Microtecbnique pour exécuter les sérodiagnostics macroscopiques sur des petites quantités de sang prélévables d'un doigt; microtecbnique pour la réaction de Wassermann. Boll. Sez. ital. Soc. internaz. microb., 1939, 11: 47–51.—**Roulin, G.** Une micro-sérologie simple et sans appareils spéciaux (réaction de fixation) Ann. biol. clin., Par., 1947, 5: 284–6.—**Suchet, A.** Une réaction qualitative et quantitative de déviation du complément réalisée avec 0,02 centimètres cubes de sérum frais. Prophyl. antivénér., 1945, 17: 597–600.

—— Flocculation, and precipitation slide tests.

See also other subdivisions; also **Flocculation; Precipitation;** also names of diseases.

Boerner, F., Jones, C. A., & Lukens, M. Simplified microscopic and macroscopic flocculation tests for the diagnosis of syphilis. Am. J. Clin. Patb., Techn. Sect., 1940, 4: 141–51.—**Brown, R.** Cardiolipin in macro- and microprecipitation tests for sypbilis. J. Bact., Balt., 1945, 49: 199. ——— Preliminary standardization of the cardiolipin-lecithin-cholesterol antigen for a microprecipitation test for syphilis. Annual Rep. Div. Laborat. N. York State Dep. Health, 1946, 27 Also J. Immun., Balt., 1946, 53: 171–7.—**Chargin, L., Eller, J. J., & Rein, C. R.** Microscopic slide precipitation test for diagnosis of syphilis with chancre fluid, including a comparison of the Kline, Wassermann, Kabn and Hinton blood serum tests in one hundred and ten patients with suspected syphilitic sores. Arch. Derm. Syph., Chic., 1932, 26: 965–9.—**Davies, J. A. V.** A microflocculation test for sypbilis. J. Laborat. Clin. M., 1936–37, 22: 959–66. ——— A metbod of collecting small blood specimens; with special reference to microflocculation tests for syphilis. Ibid., 1937–38, 23: 1206–9.—**De La Rosa, G., & Utrilla, A.** La reacción de Leiboff sobre portaobjetos para el serodiagnóstico de la sífilis. Actas derm. sif., Madr., 1941–42, 33: 259–61.—**Dussert, E.** Reacciones de floculación en portaobjeto. Bol. Inst. bact. Cbile, 1942, 1: 61–72.—**Eagle, H., & Brand, A. F.** A micromodification of the Eagle flocculation technique. Am. J. Syph., 1938, 22: 22–31.—**Fitzgerald, E. M., Shepherd, M., & Kemp, J. E.** Tbe micro-flocculation test of Eagle in syphilitic wbite mice. Proc. Soc. Exp. Biol., N. Y., 1939, 42: 427.—**Gohar, M. A.** The slide precipitation test for the diagnosis of syphilis. J. Egypt. M. Ass., 1949, 32: 601–4.—**González Fernández, J. M.** Las micro-reacciones de floculación en láminas en el diagnóstico rápido de la sífilis. Rev. chilena hig., 1940–41, 3: 31–56, 5 pl.—**Hamilton, T.** The microscope slide precipitation test for sypbilis; preliminary report on its use in Australia. Med. J. Australia, 1928, 2: 621–3.—**Harris, A., Rosenberg, A. A., & Riedel, L. M.** A microflocculation test for syphilis using cardiolipin antigen. J. Vener. Dis. Inform., 1946, 27: 169–74.—**Harris, A., Rosenberg, A. A., & Del Vecchio, E. R.** Tbe VDRL slide flocculation test for syphilis; a supplementary report. Ibid., 1948, 29: 72–5.—**Hsiang, H. T.** A simple coloured slide flocculation test for the diagnosis of syphilis. Chin. M. J., 1947, 65: 135–44.—**Johnson, F. B.** Tbe microscopic slide precipitation test for syphilis. Am. J. Syph., 1928, 12: 270–5.—**Krautman, B.** Micro cephalin-cholesterol flocculation test on blood from finger. Am. J. Clin. Path., Tecbn. Sect., 1946, 10: 126–30.—**Leiboff, S. L.** A slide flocculation test for the diagnosis of syphilis; preliminary report. J. Laborat. Clin. M., 1939–40, 25: 317–20.—**Maksimov, G. S.** [Quick slide reaction for diagnosis of syphilis] Sovet. med., 1939, No. 3, 34–6.—**Malloy, A. M., & Kahn, R. L.** The ultramicroscopic precipitation reaction in syphilis. J. Infect. Dis., 1931, 48: 243–54.—**Miravent, J. M.** Estudio crítico sobre las microrreacciones de floculación en la sífilis. Rev. Inst. bact. Malbran, B. Air., 1941–42, 10: 514–31.—**New** (A) test for syphilis; the cardiolipin microflocculation test. Med. Bull. U. S. First Army, 1948, 3: No. 10, 17–9.—**Pagniez, N. F. M.** Fenómenos de zona en las reacciones de floculación; microrreacción de clarificación con antígeno base de Bordet-Ruelens. Rev. san. mil., B. Air., 1946, 45: 1223–5.—**Peterman, M. G.** Microprecipitation test for syphilis. Am. J. Dis. Child., 1927, 34: 404–7.—**Rein, C. R., & Bossak, H. N.** Cardiolipin antigens in tbe serodiagnosis of syphilis; a microflocculation slide test. Am. J. Syph., 1946, 30: 40–6.—**Reznikova, L. S., Pak, T. I., & Grigoreva, M. P.** Znacbenie mikroreakcii flokulacii dlya serodiagnostiki sifilisa. Vest. vener., 1949, 40–2.—**Scaltritti, R. F.** Micrométodos de floculación en la sífilis. Bol. sal. púb., Montev., 1941, 2. época, 1: No. 3, 27–34.—**Strauss, J. H.** A microscopic slide modification of the Eagle and Kahn flocculation tests for sypbilis. Am. J. Syph., 1941, 25: 186–8.—**Taylor, E., Knapp, H. J., & Oglesby, M.** The microscopic slide precipitation and Kahn tests in the public health laboratory. Ibid., 1931, 15: 231–3.—**Tulipan, L., & Director, W.** A microprecipitation test (Rosenthal) in syphilis. Arch. Derm. Syph., Chic., 1932, 25: 451–6.—**Vaughan-Jones, R.** A simply performed microscopic precipitation test for sypbilis. J. R. Nav. M. Serv., 1939, 25: 261–5.—**Vogelsang, T. M.** Tbe Harris slide test; a microflocculation test for syphilis with cardiolipin antigen. Brit. J. Vener. Dis., 1947, 23: 109–15.

—— Kahn microreaction.

See also **Kahn reaction; Syphilis,** Serodiagnosis.

Casilli, A. R. A new microreaction for the serodiagnosis of syphilis; an adaptation of tbe Kahn standard antigen. J. Laborat. Clin. M., 1936, 21: 1204–07.—**Dussert, E., & Abans, Y.** La reacción de Kahn en porta objeto. Bol. Inst. bact. Chile, 1942, 1: 83–7.—**Kahn, R. L., & McDermott, E. B.** Kahn reactions with cardiolipin antigen compared with Kabn antigen; witb a note on a microflocculation procedure with cardiolipin antigen. Am. J. Clin. Path., 1948, 18: 364–74. Also Univ. Hosp. Bull., Ann Arb., 1946, 12: 81–4.—**Kilduffe, R. A., & Hersohn, W. W.** A study of tbe micro-Kahn test in syphilis; a report of 2,100 reactions. J. Laborat. Clin. M., 1926–27, 12: 946–62. Also Am. J. Syph., 1928, 12: 82–103.—**Monroy H., E.** Una modalidad en la reacción de Kahn; la reacción de Kahn microscópica. Rev. méd. veracruz, 1949, 29: 1871–4.—**Provera, P.** Microtecbnique pour exécuter les sérodiagnostics macroscopiques sur des petites quantités de sang prélévables d'un doigt; microtechnique pour les réactions de Sachs-Witebsky et de Kabn. Boll. Sez. ital. Soc. internaz. microb., 1939, 11: 80.—**Somos, E.** Kahn-reakció ujjbegyből vett vérből. Börgyógy. vener.

szemle, 1948, 2: 142.—**Suchet, A.** Une réaction de microséro-dépistage avec l'antigène présomptif de Kahn et lecture à l'oeil nu. Prophyl. antivénér., 1946, 18: 349.

—— Kline microreaction.

See also **Kline test; Syphilis,** Serodiagnosis.

KLINE, B. S. Microscopic slide precipitation tests for the diagnosis and exclusion of syphilis. 99p. 8° Balt., 1932.

Arroyo, J. La microprecipitorreacción de Kline y Young, para el diagnóstico de la sífilis. Gac. méd. México, 1927, 58: 70–7.—**Castro Barbosa, N. de.** Reação de Kline; microfloculação. Rev. brasil. med., 1947, 4: 59.—**Kline, B. S.** A microscopic slide precipitation test for syphilis with unheated serum. J. Laborat. Clin. M., 1929–30, 15: 686–93. ——— Microscopic slide precipitation tests for the diagnosis and exclusion of syphilis. Ibid., 1930–31, 16: 186–97. Also Brit. J. Vener. Dis., 1931, 7: 32–57. ——— Mechanism of the microscopic slide precipitation tests for syphilis. J. Laborat. Clin. M., 1930–31, 16: 1202–16. ——— Control antigen emulsions for microscopic slide precipitation tests for syphilis. Am. J. Clin. Path., 1937, 7: 490–7. ——— The microscopic slide precipitation tests for syphilis. Puerto Rico Health Bull., 1939, 3: 172. ——— Further purification of the antigen for the microscopic slide precipitation tests for syphilis. Vener. Dis. Inform., 1940, 21: 387–9. ——— Cardiolipin antigen in the microscopic slide precipitation test for syphilis. Am. J. Clin. Path., 1946, 16: 68–80. ——— Development of a single standard slide test for syphilis. Ibid., 1948, 18: 185–92. Also in Recent Advance. Study Vener. Dis., Raleigh, 1948, 331. ——— **Littman, S., & Mill, A. B.** Results of 2,800 microscopic slide precipitation tests for syphilis with clinical and serologic comparison. Am. J. Syph., 1926, 10: 636–41.—**Kline, B. S., Littman, S., & Van Cleve, J. V.** Microscopic slide precipitation tests for the diagnosis and exclusion of syphilis with sore fluid. J. Laborat. Clin. M., 1932, 18: 42–8, ch.—**Kline, B. S., & Lloyd, D. K.** Rapid heating of serum for the slide tests for syphilis. Am. J. Clin. Path, 1939, 9: Suppl., 55–60.—**Kline, B. S., & Young, A. M.** A microscopic slide precipitation test for syphilis. Am. J. Syph., 1927, 11: 290–4, pl. Also J. Laborat. Clin. M., 1926–27, 12: 477–81.—**Lenz del Río, A.** La micro-reacción de Kline. Bol. Sanat. Nicandro L. Melo, Veracruz, 1944, 5: No. 5, 6–16.—**Perrin, T. G.** La microprecipitorreacción de Kline y Young, para el diagnóstico de la sífilis. Gac. méd. México, 1926, 57: 389–91.—**Schmitz, J.** Ueber die Brauchbarkeit der Klineschen mikroskopischen Objektträgerflockungsreaktion für die Serumdiagnose der Syphilis. Klin. Wschr., 1935, 14: 1320–5.—**Schnitler, K.** Ueber die Brauchbarkeit der Klineschen mikroskopischen Flockungsreaktionen für die Diagnose und für die Ausschliessung der Syphilis. Acta derm. vener., Stockh., 1938, 19: 246–55.—**Soscia, E.** La microreazione di Kline nella diagnosi della sifilide. Rinasc. med., 1937, 14: 484–7.—**Tarantelli, E.** La microreazione di Kline con siero inattivato per la diagnosi di sifilide. Riforma med., 1936, 52: 1371–3.—**Ullmo, A.** La réaction de Kline (réaction microscopique de précipitation sur lame pour le diagnostic et l'exclusion de la syphilis) Ann. derm. syph., Par., 1935, 7. ser., 6: 521–9.

—— Ko-da-Guo microreaction.

See also **Syphilis,** Serodiagnosis.

Hogan, R. B. Filter paper microscopic test for syphilis; a preliminary report. J. Vener. Dis. Inform., 1950, 31: 37–45, illust.—**Ko-da-Guo.** Ein Fliesspapierverfahren zur Flokkungsreaktion der Syphilis. Deut. med. Wschr., 1938, 64: 675; 1035.—**Lieberman, R.** [Storing of serum by drying it on paper (by Krivonosova's method) for serodiagnosis of syphilis] Vest. vener., 1939, No. 1, 90–2.—**Sprecher, A.** La reazione di Ko-da-Guo nella sifilide, lebbra e tubercolosi. Minerva med., Tor., 1940, 31: pt 2, 299–303.—**Takai, T., & Seto, S.** Syōnika ni okeru atarasii sindan syugi; kansō ketteki sihen wo zairyō to suru baidoku hannō [New diagnostic techniques in pediatrics; syphilitic reactions with dried blood-drops on pieces of paper] Zika sinryo, 1949, 12: 50.

—— Mazzini microreaction.

See **Mazzini reaction; Syphilis,** Serodiagnosis.

Allen, R. H., & Mason, R. A. The Mazzini microscopic flocculation test for syphilis used as a screen test. Canad. J. Pub. Health, 1948, 39: 78.—**Cortés Boshell, F.** La seroreacción microscópica de floculación de Mazzini para el diagnóstico de la sífilis. Rev. Hosp. de La Samarit., Bogotá, 1948, 1: 40–2.—**Davis, M. M.** An experimental evaluation of the Mazzini slide test. Am. J. M. Techn., 1946, 12: 100–3.—**Invernizzi, D. W., & Yannicelli, S. E.** Exclusión de la sífilis y otras enfermedades infecciosas en los dadores de sangre (microrreaciones de la sífilis; reac. de Mazzini) Arch. urug. med., 1944, 24: 476–500.—**Mazzini, L. Y.** The Mazzini microscopic flocculation test for the serodiagnosis of syphilis. Vener. Dis. Inform., 1942, 23: 123–30. Also Am. J. M. Techn., 1943, 9: 82–7.—**Oosting, M., & Watson, V.** The Mazzini slide flocculation test, sensitivity of its antigen. Am. J. M. Sc., 1943, 206: 486–9.—**Patterson, J. N.** Microscopic serodiagnostic test for syphilis on hemolyzed specimens Florida Health Notes, 1942, 34: 117–9.—**Silva Lacaz, C. da, & Cordeiro de Azevedo, P.** Microrreação de Mazzini no diagnóstico da sífilis. An. paul. med. cir., 1945, 49: 561. Also Rev. paul. med., 1945, 26: 108.—**Starkey, D. H., & Schnyder, K.** Report on the use of the Mazzini slide flocculation as a screen test in the sero-diagnosis of syphilis. J. Canad. M. Serv., 1944–45, 2: 682–7.

—— Meinicke microreaction.

See also **Meinicke test,** Microtest; **Syphilis,** Serodiagnosis.

BETHKE, L. *Erfahrungen mit der Trockenblut-MTbR (Tr. MTbR) bei 200 Kindern einer Berliner Säuglings- und Kleinkinderfürsorgestelle. 37p. 23cm. Berl., 1940.

KLEIN, H. *Vergleichende Untersuchungen über die Brauchbarkeit der Mikroreaktion nach Meinicke zur serologischen Luesdiagnostik. 26p. 8° Bonn, 1930.

NIERMEYER, H. *Die Mikro-Schnellmethode der Meinicke-Klärungsreaktion im Vergleich zur Makro-Methode, der Wassermannschen Reaktion und Kahn'schen Reaktion. 43p. 8° Bonn, 1931.

POPKEN, C. *Die Zentrifugiermethode der MKR. II als Lues- und Immunitätsreaktion im Vergleich zu der Mikroprobe [Münster] 25p. 8° Quakenbrück, 1935.

PORRMANN, H. *Erfahrungen mit der neuen Meinicke-Trockenblut-Reaktion auf Syphilis und Tuberkulose (Tr. MTbR.) bei systematischen Durchuntersuchungen am Stubenrauch-Kreiskrankenhaus, Berlin-Lichterfelde. 24p. 23cm. Berl., 1940.

Canese, A., & Pecci, M. I. Nueva técnica de micro-reacción para la sífilis con el antígeno de Meinicke M. K. R. II. Rev. brasil. biol., 1948, 8: 77–86.—**Clark, R. M.** The Meinicke micro-reaction for syphilis in use in a mental hospital. J. Ment. Sc., Lond., 1926, 72: 588–92, pl.—**Etcheverry, M. A., & Marchissio, A. A.** Micro-reacción para el diagnóstico de la lúes, con antígeno de tipo Meinicke. Rev. méd. quir. pat. fem., B. Air., 1944, 23: 471–81. Also Día méd., B. Air., 1945, 17: 206–10.—**Gross, M.** Zur Technik der Meinicke-Mikroreaktion auf Syphilis. Derm. Wschr., 1926, 82: 647–50.—**Hartwich, W.** Lues-Sero-Diagnose im ärztlichen Laboratorium durch Mikro-Meinicke-Reaktion im hängenden Tropfen im Dunkelfeld. Ibid., 83: 1671–4.—**Kertopati, S.** Serologische Untersuchungen mit der Mikroreaktion nach Meinicke bei syphilisinfizierten und gesunden Mäusen. Derm. Zschr., 1931, 62: 174–8.—**Kvittingen, J.** Meinicke's reaction, modified and used as a rapid slide test; used as a quantitative reaction in comparison with W. R. Acta path. microb. scand., 1948, 25: 767–77.—**Mariani, G., & Giunta, A.** Reazione microscopica rapida per la diagnosi della sifilide. Gior. ital. clin. trop., 1937, 1: 302–5.—**Meinicke, E.** Die Trockenblut-M. K. R. II zur Serodiagnose der Syphilis. Oeff. Gesundhdienst., 1939–40, 5: B, 397–400.—**Muggia, A.** La microreazione di Meinicke nella sierodiagnosi della sifilide. Gior. batt. immun., 1926, 1: 503–6.—**Palomba, G.** La Meinicke-microreazione nella sierodiagnosi della sifilide. Ibid., 1928, 3: 356–65.—**Rucker, E. A., & Whitby, L. E. H.** Sero-diagnosis of syphilis by Meinicke's macro-reaction and microreaction. Brit. J. Exp. Path., 1927–28, 9: 30–3.—**Saunders, A. P.** The Meinicke microreaction in syphilis. Tr. Chicago Path. Soc., 1923–26, 12: 197–9. Also Arch. Path., Chic., 1926, 1: 388–90.—**Schirwindt, S. L.** [Mikroreaktion mit gefärbten Antigen nach Meinicke für die Serodiagnostik der Syphilis] Vest. vener., 1941, No. 4, 36–8.—**Sidaravičius, B.** [Meinicke microreaction in diagnosis of syphilis] Medicina, Kaunas, 1930, 11: 32–7.—**Simonini, V.** Microreazione di Meinicke; studio sulla sensibilità della reazione considerata a se, ed in rapporto con la Wassermann, Hecht e M. T. R. Riv. clin. med., 1926, 27: 141–5.—**Somos, E., & Rácz, I.** A Meinicke KR. mikroreakcióvá való átalakitása. Bőrgyógy. vener. szemle, 1948, 2: 139–42.—**Stern, M., & Frank, T.** Ueber die Meinicke-Trübungs-Reaktion und die Meinicke-Mikro-Reaktion im vergleich mit der Wassermann-Reaktion und der Sachs-Georgi-Reaktion. Klin. Wschr., 1927, 6: 254–6.—**Zabello, K. N.** [Meinicke's microreaction as a method of orientation in classification of syphilis, in mass examinations] Profil. med., Kharkov, 1929, 8: 27–31.

—— Müller microreaction.

See also **Müller test; Syphilis,** Serodiagnosis.

Hessel, L. [Modification of Müller's flocculation reaction] Polska gaz. lek., 1932, 11: 144.—**Niederwieser, V.** Mikromethode der Müller-Ballungsreaktion (M. B. R. II) Zschr. Kinderh., 1933, 55: 67–72.

—— Technic.

Gougerot, H., & Héry. Micro-réactions avec le sérum liquide par les techniques ordinaires grâce aux micro-gouttes. Ann. derm. syph., Par., 1945, **5**: 82. Also Bull. Acad. méd., Par., 1945, **129**: 186.—**Gross, M.** Ueber eine Methode, Mikroreaktionen mit blossem Auge abzulesen. Klin. Wschr., 1926, **5**: 342.—**Kail, F.** Eine Methode zur Gewinnung und Verarbeitung kleiner Serummengen für Mikroreaktionen. Wien. med. Wschr., 1947, **97**: 341–3.—**Kuroda, K.** Biryō no kessei wo eru hōhō. Igaku & seibutugaku, 1947, **10**: 21–3.—**Roulin, G.** Sérologie sur papier impregné de sérum. Bull. Soc. méd. mil. fr., 1948, **42**: 89–91.

—— Technic: Microhemo- and -serodiagnosis.

See also under other subdivisions; also names of various diseases, especially **Syphilis,** Serodiagnosis.

Neupert, P. *Vergleichende Untersuchungen über die Brauchbarkeit der Trocken-Blut-Reaktion nach Chediak-Dahr (TBR.) und nach Meinicke (T. B.-M. K. R. II) für Reihenuntersuchungen auf Lues [Frankfurt] 18p. 20½cm. Gelnhausen, 1939.

Andreucci, M. Sulla reazione microcitochol colorata. Pediatria (Riv.) 1939, **47**: 693–5.—**Axelrad, S. A.** Microscopc test slide. U. S. Patent Off., 1942, No. 2,302-830.—**Ballowitz, G.** Erfahrungen mit der statistischen Auswertung verschiedener serologischer Syphilisreaktionen im Zusammenhang mit einer vergleichenden Prüfung der Mikromethoden. Zschr. Immunforsch., 1933, **79**: 256–73.—**Battaglia, A.** Microrreacciones para la sífilis; su importancia en puericultura. Sem. méd., B. Air., 1941, **48**: 590–3. —— Procedimientos para la rápida investigación de la sífilis; las microrreacciones. Prensa méd. argent., 1942, **29**: 308–12.—**Bocchini, A.** Micrometodi per escguire sierodiagnosi macroscopiche. Athena, Roma, 1940, **9**: 307.—**Brandão Camargo, D.** A micro-reação de Cerqueira em face das reações de Kahn e de Kline para o sôro-diagnóstico da sífilis. Arq. biol., S. Paulo, 1940, **24**: 163–5.—**Bregmann, E., & Taub, M.** Serological drop test for syphilis [Hebrew text] Harefuah, Tel Aviv, 1949, **37**: 158.—**Butler, H. W.** A slide test for the diagnosis of syphilis. Proc. Soc. Exp. Biol., N. Y., 1925–26, **23**: 849. —— Syphilis and the slide test. Med. Clin. N. America, 1927–28, **11**: 1225–9.—**Castro Cerqueira, A. G. de.** Sôro-diagnóstico da lues pela reação semimicroscópica em lâminas com o nosso antigênio. Pub. méd., S. Paulo, 1941, **13**: No. 5, 9–12.—**Chang, N. C.** Slide agglutination test for rapid diagnosis of typhus and typhoid fevers. Chin. M. J., 1948, **66**: 612–4.—**Demanche, R.** Les micro-méthodes de séro-diagnostic de la syphilis. Presse méd., 1940, **48**: 669–71. Also Minerva med., Tor., 1941, **32**: 474 (Abstr.) —— Les microméthodes du sang sec pour le dépistage de la syphilis. Ann. derm. syph., Par., 1945, **5**: 318.—**De Sanctis Monaldi, T., & Orsini, M.** Valore diagnostico di alcune recenti microreazioni della sifilide. Policlinica, 1942, **49**: sez. med., 173–92.—**Enzer, N., Hallman, G. V.** [et al.] A comparison of the diagnostic value of the Wassermann, Kahn and micro-precipitation tests for syphilis. Ann. Int. M., 1930–31, **4**: 1028–35.—**Ferloni, A. V. J., Pagniez, N. F. M., & Raimondo, A.** Valor de la microrreacción dosimétrica de Pagniez en el diagnóstico, control y pronóstico de la sífilis. Rev. san. mil. argent., 1948, **47**: 259–69.—**Fourestier, M.** Considérations sur le dépistage de la syphilis par les examens sérologiques systématiques; valeur pratique des microméthodes. Presse méd., 1947, **55**: 695.—**Gadrat, Garric & Boquel.** Dépistage de la syphilis chez les rapatriés par les micro-méthodes sérologiques. Ann. derm. syph., Par., 1946, **6**: 290.—**Goeters, W.** Vergleichende Untersuchungen über die Spezifität einiger gebräuchlicher Verfahren zum serologischen Nachweis der Lues, einschliesslich der neueren Mikromethoden. Zschr. Immunforsch., 1944, **105**: 68–77.—**Grignaschi, S.** Expériences sur l'utilité pratique de l'application des microméthodes aux réactions sérologiques pour la syphilis. Boll. Sez. ital. Soc. internaz. microb., 1939, **11**: 111–7.—**Hamilton-Paterson, J. L., Cole, W. T. S., & Usher, G. L. C.** The slide test for the serological diagnosis of syphilis. J. Path. Bact., Lond., 1944, **56**: 335–42.—**Hirsch-Marie, H.** Rapport sur le dépistage microsérologique et le groupage sanguin chez les rapatriés de Paris et de la Seine. Prophyl. antivénér., 1947, **19**: 50–4.—**Izikowitz, S.** A new method of making a serum diagnosis of syphilis with small quantities of capillary blood. Acta med. scand., 1936, **88**: 312–6.—**Jacobsthal, E.** Una micro-reacción bicoloreada para el diagnóstico de la sífilis con sueros inactivados. Bol. san. Guatemala, 1944, **15**: 122–6. Also Gac. méd. centroamer., Guatemala, 1945, **2**: 3–7.—**Johnson, F. B.** The microscopic slide precipitation test for syphilis. J. Laborat. Clin. M., 1927–28, **13**: 334–8.—**Kirk, P. L., & Bennett, C.** A rapid technique for syphilis testing with finger blood. Ibid., 1939–40, **25**: 86–8.—**Klein, S. J., & Leiby, G. M.** Cardiolipin slide test in the serodiagnosis of syphilis. Am. J. Syph., 1948, **32**: 377–90.—**Krivonosova, J. I.** [Storage of serum for serological reactions on slide] Vest. vener., 1939, No. 1, 87–9.—**Laporte, R., Hardré de Looze, L., & Winik, E.** Micro-techniques pratiques pour le dépistage sérologique de la syphilis en grande série. Presse méd., 1945, **53**: 479.—**Lewis, S. J.** A simple slide test for syphilis. Am. J. Clin. Path., 1936, **6**: 502–6.—**Maksimov, G. S.** [Le complexe de réactions rapides sur la lame porte-objets pour le diagnostic de la syphilis] Sovet. med., 1939, No. 13, 33–5.—**Osler, A. G., & Widelock, D.** A rapid slide method for the titration of antibodies in syphilitic serum. J. Vener. Dis. Inform., 1948, **29**: 239–42.—**Pagniez, N. F. M.** Micro-reacción dosimétrica para el diagnóstico de la sífilis; con antígeno base de Bordet-Ruelens. Rev. As. bioquím. argent., 1947, **14**: 3; passim.—**Paterson, J. L. H.** A slide test for the serological diagnosis of syphilis. In: Recent Advance. Clin. Path., Lond., 1947, 126–9.—**Pechernikov, P. V.** [Stored serums for serological reactions on slide] Vest. vener., 1939, No. 8, 50.—**Pesch, K. L.** Ist die Objektträgerreaktion nach Butler für die serologische Luesdiagnose brauchbar? Zbl. Bakt., 1. Abt., 1927, **103**: 44–8.—**Philippi, M.** [The micromethod as a quick reaction for syphilis] Mschr. kindergeneesk., 1938–39, **7**: 450–5.—**Provera, P.** Microtecnica razionale per le sierodiagnosi della sifilide, Wassermann, Meinicke, citochol, Kahn, su poche goccie di sangue prelevabili da un dito; microtecnica per la sierodiagnosi di Widal. Boll. Poliamb. Giuseppe Ronzoni, 1939, **13**: 154–7. —— Microtechnique pour exécuter les sérodiagnostics macroscopiques sur des petites quantités de sang prélévables d'un doigt. Boll. Sez. ital. Soc. internaz. microb., 1939, **11**: 54.—**Rappaport, F., & Eichhorn, F.** Microestimation of the Weltmann coagulation reaction. Am. J. Clin. Path., 1948, **18**: 581.—**Renault, L.** Micro-reação de Etcheverry & Marchissio para o diagnóstico da sífilis. Brasil méd., 1948, **62**: 249–54.—**Rezola Azpiazu, A.** Las microrreacciones en el diagnóstico serológico de la sífilis. Rev. clín. españ., 1947, **27**: 1–17.—**Santelices de la Mora, A.** La microrreacción de Leiboff para el diagnóstico de la sífilis; aportación al estudio de sus resultados prácticos. Ibid., 1944, **12**: 245–9.—**Schwalm, H.** Eine Luesreaktion im Kapillarblut, geeignet für Sprechstunde und Schwangerenberatung. Mschr. Geburtsh. Gyn., 1935, **100**: 311–7. Also Zbl. Gyn., 1936, **60**: 412.—**Seiler, M.** A rapid microscopical method for the serodiagnosis of syphilis. Brit. J. Vener. Dis., 1945, **21**: 82–4.—**Spicca, G.** A proposito delle microreazioni per la diagnosi serologica della sifilide. Policlinico, 1940, **47**: sez. prat., 1542–8.—**Torres Enríquez, A.** Una nueva técnica para micro-reacciones luéticas. Prensa méd., Hermosillo, 1949, **9**: 17.—**Tropeano, A.** Las micro-reacciones para la sífilis; trabajo de adscripción. Rev. sudamer. endocr., B. Air., 1941, **24**: 193; 271.—**Vahl, F.** Encore une microméthode de sérologie: dépistage de la syphilis en deux étapes. Ann. biol. clin., Par., 1946, **4**: 122.—**Vernes, A.** Microdosages, mesure de l'infection syphilitique et de l'infection tuberculeuse. Monde méd., 1929, **39**: 619–32.—**Welberg, R. V.** Mikroreakcia Schirwindta v serodiagnostike sifilisa. Vest. vener., 1949, No. 4, 33–5.—**Widelock, D.** The V. D. R. L. slide test; a comparison with the Mazzini, Kahn and Kolmer tests for syphilis. Am. J. Clin. Path., 1948, **18**: 218–23.

MICROSIPHONATA.

Bachmann, A., Quiroga, R., & Negroni, P. Microsifonados. In their Microbiología, B. Air., 1944, **2**: 51–65.

MICROSLIDE.

See **Microscope slide.**

MICROSMEAR.

See **Microscopy, electron,** Specimen preparation.

MICROSOCIOLOGY.

See also **Environment; Sociology,** Methods; **Sociometry.**

Gurvitch, G. Microsociology and sociometry. Sociometry, 1949, **12**: 1–31.—**Jennings, H. H.** Military use of sociometric and situation tests in Great Britain, France, Germany and the United States. Ibid., 191–201.—**Moreno, J. L.** Origins and foundations of interpersonal theory, sociometry and microsociology. Ibid., 235–54.

MICROSOMA [1911]

See also **Protozoa.**

Lebedev, V., & Charnocky, A. Ein neuer Parasit im Blute des Iltis, Microsoma mustelae. Zbl. Bakt., 1. Abt., 1911, **58**: Orig., 625–31, pl.

MICROSOME [incl. microfibril]

See also **Cell** subheadings (Chondriosome; Cytoplasm: Structure; Enzymes; Granulations) also under names of enzymes; also **Micelle.**

American Society of Plant Physiologists. A symposium on the structure of protoplasm. 283p. 23½cm. Ames, 1942.

Frey-Wyssling, A. Submikroskopische Morphologie des Protoplasmas und seiner Derivate. 317p. 22½cm. Berl., 1938.

—— [The same] Submicroscopic morphology of protoplasm and its derivates. 2. ed. 255p. 25½cm. N. Y., 1948.

MacLennan, R. F. Cytoplasmic inclusions. p.111–90. 23½cm. N. Y., 1941.

Beck, W. A. The organization of protoplasm. Growth, Ithaca, 1944, **8**: 259–309.—**Blaschko, H., & Jacobson, W.** Enzyme systems of cells. In: Cytology (Bourne, G.) Oxf., 1942, 189–225, 2 pl.—**Bungenberg de Jong, H. G.** Modèle de cellule ne comprenant que des coacervats complexes. In his Coacervation, Par., 1936, **1**: 50–2.—**Chadefaud, M.** L'infrastructure du protoplasme et du caryoplasme d'après l'étude des euglènes. Arch. exp. Zellforsch., 1938–39, **22**: 483–6.—**Claude, A.** Particulate components of cytoplasm. Sympos. Quant. Biol., 1941, **9**: 263–71, pl.—**Diller, W. F.** A peculiar cytosomal structure in Homalozoön vermiculare (Stokes) Anat. Rec., 1946, **94**: 383.—**Frey-Wyssling, A.** Ultrastruktur des Plasmas und der Plasmaprodukte. Arch. exp. Zellforsch., 1938–39, **2**: 477–80. ——— Der Feinbau der Zellwände. Naturwissenschaften, 1940, **28**: 385–94. Also Science Progr., Lond., 1939–40, **34**: 249–62. ——— Feinbau und Ultrastruktur des Zytoplasmas. Umschau, 1940, **44**: 500; 540. Also J. R. Micr. Soc., Lond., 1940, **60**: 128–39. ——— Ueber den submikroskopischen Feinbau der Zellbestandteile. Schweiz. med. Wschr., 1944, **74**: 330–4. ——— **Mühlethaler, K., & Wyckoff, R. W. G.** Mikrofibrillenbau der pflanzlichen Zellwände. Experientia, Basel, 1948, **4**: 475.—**Glassman, J. M.** Fibrillae of cells; a need for further investigation. Yale J. Biol., 1946–47, **19**: 991–4.—**Hall, R. P.** Reaction of certain cytoplasmic inclusions to vital dyes and their relation to mitochondria and Golgi apparatus in the flagellate Peranema trichophorum. J. Morph., 1929, **48**: 105–21.—**Haselmann, H.** Protoplasmastrukturen und die Phasenkontrastmikroskopie. Klin. Wschr., 1948, **26**: 701.—**Jeener, R., & Brachet, J.** Association, dans un même granule, de ferments et des pentosenucléoprotéides cytoplasmiques. Acta biol. belg., 1941, **1**: 476–81.—**Jones, R.** The nature and relative specific gravities of the inclusions in ultracentrifuged cells of Elodea and Triticum. Cellule, Louvain, 1938, **47**: 61–76, 2 pl.—**Lazarow, A.** The chemical organization of the cytoplasm. Biol. Bull., 1944, **87**: 156.—**Luyet, B. J.** Water and the ultra-structure of protoplasm. Arch. exp. Zellforsch., 1938–39, **22**: 487–91.—**Marui, K.** A contribution to the knowledge of cell-granule; on the nucleoproteid-like granule (Marui) and λ-granule (Marui) Jap. M. J., 1948, **1**: 155–60.—**Nicolau, S., & Kopciowska, L.** Inclusions cellulaires acidophiles dans le tissu nerveux et dans le rein des pigeons normaux. Ann. Inst. Pasteur, Par., 1938, **60**: 308–15.—**Pfeiffer, H. H.** Experimentelle Beiträge zur leptonischen Struktur undifferenzierten Protoplasmas. Kolloid Zschr., 1941, **96**: 355–8.—**Pischinger, A.** Zellstrukturen und Kolloidchemie. Wien. klin. Wschr., 1938, **51**: 129–33.—**Riley, V. T., Hesselbach, M. L.** [et al.] Application of chromatography to the segregation of subcellular particulates. Cancer Res., 1949, **9**: 614.—**Schmidt, W. J.** Molekulare Bauweisen tierischer Zellen und Gewebe und ihre polarisationsoptische Erforschung. Naturwissenschaften, 1938, **26**: 481; 509.—**Schmitt, F. O.** The ultrastructure of protoplasmic constituents. Physiol. Rev., 1939, **19**: 270–302. ——— **Hall, C. E., & Jakus, M. A.** The ultrastructure of protoplasmic fibrils. Biol. Sympos., Lanc., 1943, **10**: 261–76, incl. 2 pl.—**Schneider, W. C.** Methods for the isolation of particulate components of the cell. In: Manometr. Techn. &c. (Umbreit, W. W.) 2. ed., Minneap., 1949, 148–55.—**Seifriz, W.** Frey-Wyssling, A.: Submicroscopic morphology of protoplasm and its derivatives [Bk rev.] J. Colloid Sc., 1949, **4**: 441–4.—**Wergin, W.** Direkte Beobachtung von 0,2 μ grossen Strukturelementen der pflanzlichen Zellwand. Naturwissenschaften, 1938, **26**: 613.

MICROSOMIA.

See under **Dwarfism; Nanism.**

MICROSPECTROGRAPHY [incl. microspectroscopy]

See also **Microscopy,** ultraviolet; **Spectrography.**

Engström, A. *Quantitative micro- and histochemical elementary analysis by roentgen absorption spectrography [Karolinska Inst.] 106p. 25cm. Stockh., 1946.

Forms Suppl. 63, Acta radiol., Stockh.

Gailliard, P. *L'histospectrographie quantitative; étude critique de ses méthodes [Lyons] 58p. 24cm. Besançon, 1944.

Pétey, M. *L'histospectrographie; étude de ses techniques [Lyon] 140p. 25½cm. Trévoux, 1933.

Barer, R., Cole, A. R. H., & Thompson, H. W. Infrared spectroscopy with the reflecting microscope in physics, chemistry and biology. Nature, Lond., 1949, **163**: 198–201.—**Benoit, W.** Ueber spektrographische Untersuchungen an Gewebsschnitten menschlicher Organe unter Verwendung des Hochfrequenzfunkens nach Gerlach-Schweitzer. Zschr. ges. exp. Med., 1933, **90**: 421–64.—**Bonavolontà, G.** Osservazioni spettro-microscopiche sull'occhio vivente. Ann. ottalm., 1948, **74**: 339–49.—**Casella, C., & Reggiani, M.** Istospettrografia di fluorescenza. Arch. biol., Liége, 1949, **60**: 207–34.—**Cole, P. A., & Brackett, F. S.** Technical requirements in the determination of absorption spectra by the ultraviolet microscope. Rev. Sc. Instrum., 1940, **11**: 419–27.—**DeMent, J.** Fluorescence spectromicroscopy. Tr. Am. Micr. Soc., 1942, **61**: 306.—**Favero, F., & Veiga de Carvalho, H.** Considerações em torno da epimicroespectroscopia. Ann. Fac. med. S. Paulo, 1929, **4**: 265–7, pl.—**Fox, H. M., & Ramage, H.** A spectrographic analysis of animal tissues. Proc. R. Soc., Lond., 1931, ser. B, **108**: 157–73, pl.—**Gailliard, P.** Sur la technique du microdosage en histospectrographie. Bull. histol. appl., Lyon, 1943, **20**: 175–88. ——— L'histospectrographie quantitative; quelques conditions de son application. Ibid., 1944, **21**: 81–6.—**Greaves, A. V.** A new microscope adapter for the hand spectroscope. J. Laborat. Clin. M., 1934, **19**: 755.—**Jelley, E. E.** An improved grating microspectrograph and its use in chemical microscopy. J. R. Micr. Soc., Lond., 1936, **56**: 101–12, 2 pl.—**Malmgren, B., & Hedén, C. G.** Studies of the nucleotide metabolism of bacteria; ultraviolet microspectrography as an aid in the study of the nucleotide content of bacteria. Acta path. microb. scand., 1947, **24**: 417–36.—**Murray, W. M., jr, Gettys, B., & Ashley, S. E. Q.** Properties and use of a high frequency spark discharge for local micro-analysis. J. Optic. Soc. America, 1941, **31**: 433–8.—**Policard, A., & Morel, A.** Utilisation de la spectrographie des raies en histochimie (histospectrographie) Presse therm. clim., 1933, **74**: 73.—**Rank, D. H.** High precision achromatic autocollimator. Rev. Sc. Instrum., 1946, **17**: 243.—**Scott, G. H., & Williams, P. S.** A new development in histospectrography. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32**: 505–7.—**Sheldon, J. H., & Ramage, H.** Spectrographic analysis of human tissues. Biochem. J., Lond., 1931, **25**: 1608–27, pl.—**Viès, F.** Problèmes actuels de la microspectroscopie biologique. Arch. phys. biol., Par., 1944, **17**: Suppl., 98–100.—**Wilson, G. E.** A micro filter stick for use in spectrographic analysis. Analyst, Lond., 1946, **71**: 375.—**Wyckgram, E.** Ueber Mikro-Spektrographie. Zschr. wiss. Mikr., 1912, **29**: 339–46.

MICROSPERMATOZOON.

See **Spermatozoon.**

MICROSPHEROCYTOSIS.

See **Erythrocyte,** Size: Variation: Spherocytosis; **Icterus,** hemolytic familial.

MICROSPHYGMIA.

See also **Mental deficiency; Pulse,** weak; also **Frostbite; Vasoconstriction.**

Cottet, J. [Réponse à] M. de Girardier, résultats obtenus par les thérapeutiques sympathiques dans le traitement des gelures. Presse méd., 1941, **49**: 157.—**Richet, C.,** jr, & **Saint-Girons, F.** Le microsphygmie. Rev. méd., Par., 1908, **28**: 987–99. ——— & **Bourneville.** Note sur la microsphygmie. C. rend. Congr. méd. alién. neur. France, 1908, 18. Congr., 321–4.—**Variot.** Microsphygmie avec kératose pilaire et débilité mentale. Bull. Soc. pédiat. Paris, 1906, **8**: 158. ——— Microsphygmie. J. méd. int., Par., 1908, **12**: 358. ——— & **Grandjean, E.** Microsphygmie permanente et microcéphalie avec débilité mentale. Bull. Soc. pédiat. Paris, 1914, **16**: 121–5.

MICROSPIRA [Schroeter]

See **Vibrio;** also **Spirilleae.**

—— M. phosphoreum [Yasaki]

See also **Bacterium** (phosphoreum)

Yasaki, Y., Nisio, M. [et al.] Bacteriological studies on bioluminescence; on the nature of the new luminous bacterium, Microspira phosphoreum (Yasaki) Sei i kwai M. J., 1926, **45**: No. 3, 20.

MICROSPIRILLUM.

See also **Spirilleae.**

Carpano, M. Sur un nouveau spirille de très petite taille chez les oiseaux: Microspirillum avium, n. g., n. sp. Ann. parasit., Par., 1936, **14**: 375–9, pl.

MICROSPIRONEMA [1905 Stiles]

See **Treponema.**

MICROSPLANCHNIC [1925 Viola]

See **Body constitution, Types.**

MICROSPORA [1900 Migula]

See **Spirillum; Vibrio.**

MICROSPORANGIUM.

See also **Sporangium;** also **Microspore.**

Kidston, R. On the microsporangia of the Pteridosperms. Proc. R. Soc., Lond., 1905–06, Ser. B, n. ser., **77:** 161 (Abstr.)

MICROSPORE.

See also **Microsporangium; Pollen; Protozoa; Spore;** see also **Microsporogenesis.**

Hofker, J. Die Teilung, Mikrosporen- und Auxosporenbildung von Coscinodiscus biconicus v. Breemen. Ann. protist., Par., 1928, **1:** 167–94.—**Jouvenel-Marcillac, M.** Evolution du noyau de la microspore chez les crucifères. C. rend. Acad. sc., 1941, **212:** 716–8.—**Lima-de-Faria, A.** Disturbances in microspore cytology of Anthoxanthum. Hereditas, Lund, 1947, **33:** 539–51.—**Sax, K., & Husted, L.** Polarity and differentiation in microspore development. Am. J. Bot., 1936, **23:** 606–9.

MICROSPORELLASIS.

See also **Dermatomycosis; Dermatophyte; Dog,** Diseases; **Microsporum.**

EL DABH, S. G. *Contribution à l'étude d'une teigne animale [Strasbourg] 67p. 24cm. Clermont-Ferrand, 1942.

MICROSPORIA [1843 Gruby]

See also **Dermatomycosis; Epidermophytosis Microsporum; Mycosis; Scalp,** Mycosis; **Trichophytosis.**

Arzt, L. Die Mikrosporie; ein Geleitwort zu einem Le und Aufklärungsfilm, zusammengestellt auf Grund von Erfahrungen aus der Wiener Epidemie. Wien. med. Wschr., 1922, **72:** 1473–6.—**Bogrov, S. L.** Mikrosporia i borba s nei. Russ. J. kozhn. vener. bolezn., 1912, **24:** 3–9, pl.—**Keddie, J. A. G.** Ringworm of the scalp in children; its causation, detection, and treatment, and a report on an outbreak. Health Bull., Edinb., 1946–47, **5:** 66–8.—**N.** Sulle tigne tonsuranti. Gazz. osp., 1937, **58:** 656–8.—**Negroni, P.** Microsporia. In his Dermatomicosis, B. Air., 1942, 294–314.—**Pignot, M.** Symptomatologie, diagnostic, prophylaxie et traitement des teignes tondantes. Presse méd., 1937, **45:** 379.—**Reif, F.** Ueber Mikrosporie. Med. Korbl. Württemberg, 1922, **92:** 97. ——— **Lurie, A. G.** [et al.] [Die Mikrosporie und ihre Bekämpfung] Vest. vener., 1941, No. 4, 6.—**Werther.** Die Mikrosporie der Kinder. Derm. Wschr., 1929, **89:** 2007–13.

—— Allergy [Microsporid]

See also other subheadings (Immunology)

Arzt, L., & Fuhs, H. Zur Entstehung der Allgemeinexantheme bei Mikrosporie. Arch. Derm. Syph., Berl., 1923, **143:** 52–6.—**Blumenfeld, A.** Kerion microsporicum with hematogenous and ectogenous microsporids; report of a case, with reference to the literature. Arch. Derm. Syph., Chic., 1931, **24:** 607–13.—**Giardini, A., & Farina, L.** Microsporide a sede congiuntivale nel corso di microsporia infiammatoria cutanea. Ann. ottalm., 1946, **72:** 575; 690.—**Pavia, M.** Contributo allo studio delle microsporidi nell'infanzia. Arch. ital. pediat., 1932–33, **1:** 573–89.—**Quiroga, M. I., Negroni, P., & Cordero, A. M.** Microsporide vesicopustulosa; su patogenia. Rev. argent. derm. sif., 1937, **21:** 202–7.—**Werther.** Ueber die Dresdner Epidemie von Mikrosporie und Alopecia parvimaculata und Deutung der letzteren als Mikrosporid. Arch. Derm. Syph., Berl., 1931, **163:** 402–19.—**White, C. J., & Welfeld, J.** Microsporon type of tinea capitis with grouped papular microsporid. Arch. Derm. Syph., Chic., 1942, **46:** 609.

—— Cases.

For cases see also under specific names of **Microsporum.**

Arievich, A. M. [Microsporia of the scalp in adults] Vener. derm., Moskva, 1929, **6:** 31–6, pl.—**Cipollaro, A. C.** Tinea capitis. Arch. Derm. Syph., Chic., 1945, **52:** 56.—**Henry, A., & Bory, L.** Plusieurs cas de microsporie cutanée dans une même famille. Bull. Soc. fr. derm. syph., 1935, **42:** 930.—**Jackson, J. W.** Ringworm of the scalp. Q. Bull. Indiana Univ. M. Center, 1949, **11:** 56.—**Joseph, M.** Herpes tonsurans im Kindesalter. Zbl. Kinderh., 1903, **8:** 49–54.—**Kerl, W.** Mikrosporie. Wien. klin. Wschr., 1919, **32:** 572. Also Wien. med. Wschr., 1919, **69:** 1088.—**Lewis, G. M.** Tinea capitis in a two year old child. Arch. Derm. Syph., Chic., 1946, **53:** 144.—**Lima Carneiro, A.** Cinco casos de microsporia. Med. contemp., Lisb., 1937, **55:** 334–6.—**Livingood, C. S., & Pillsbury, D. M.** Ringworm of the scalp; prolonged observation, family investigation, cultural and immunologic studies in 130 cases. J. Invest. Derm., 1941, **4:** 43–57.—**MacLeod, J. M. H.** Case of ringworm of the scalp due to microsporon fungus in an adult. Proc. R. Soc. M., Lond., 1908–09, **2:** Sect. Derm., 89.—**Madden, J. F.** Tinea capitis. Arch. Derm. Syph., Chic., 1946, **53:** 516.—**Murillo, R. A.** Un caso de tiña tonsurante del cuero cabelludo. Rev. méd., Puebla, 1938, **11:** No. 93, 16.—**Prochacki.** Microsporia. Przegl. derm., Warsz., 1948, **35:** 473.—**Zacharieff, B.** Microsporia capillitii. Derm. Wschr., 1943, **116:** 186.

—— Clinical aspect.

Andrews, G. C. Tinea capitis, without alopecia. Arch. Derm. Syph., Chic., 1946, **54:** 250.—**Braude, R. S., & Masslov, P. E.** [Microsporia in adults] Sovet. vest. vener., 1933, **2:** 377–80.—**Mitchell, J. H.** Epidemic ringworm of the scalp. Med. Clin. N. America, 1948, **32:** 283–96.—**Montanaro, E.** Tigna torpida tonsurante insorta in soggetto adulto affetto da nanismo. Arch. ital. derm., 1948, **21:** 364–9.—**Negroni, P., Pierini, L. E., & Cordero, A. A.** Alopecia parvimaculata de origen microspórico [Disc.] Prensa méd. argent., 1941, **28:** 520.—**Niemeyer, A.** Um caso di tinha microspórica psoriasiforme. An. brasil. derm. sif., 1945, **20:** 392.—**Niño, F. L.** Tricopatía microspórica ectothrix del cuero cabelludo. Reun. Soc. argent. pat. region. (1931) 1932, 7. meet., 384–400, 5 pl.—**Ramos e Silva, J.** Sôbre alguns casos de microsporia. Ann. brasil. derm. syph., 1927, **3:** 15–22.—**Vanlair.** Sur un cas d'herpès tonsurant. Presse méd. belge, 1870–71, **23:** 406; 413.

—— Diagnosis.

Curry, J. A portable Wood's light for ringworm diagnosis. Med. Off., Lond., 1948, **80:** 240.—**Gottschalk.** Zur Diagnose und Therapie der Mikrosporie. Deut. med. Wschr., 1925, **51:** 870.

—— Epidemiology.

See also subheading Geography.

Bornhauser, S. Ueber eine Mikrosporie-Epidemie in einem Kinderheim. Dermatologica, Basel, 1949, **98:** 222–7.—**Danilevskaya, E. D.** [Period of isolation from school of children with herpes tonsurans] Sovet. vest. vener., 1934, **3:** 679–81.—**Epstein, S.** Beiträge zur Epidemiologie und Therapie der Mikrosporie. Arch. Derm. Syph., Berl., 1930, **162:** 9–18.—**Karrenberg, C. L.** Beiträge zur Epidemiologie der Mikrosporie. Ibid., 1932, **166:** 14–29.—**Nagy, G.** [Epidemic of microsporia and its thallium treatment at Kecskemét] Budapesti orv. ujs., 1938, **36:** 703–9.—**Nomland, R.** Epidemic ringworm of the scalp in children. J. Iowa M. Soc., 1946, **36:** 155–7.—**Räuber.** Ein Beitrag zum epidemischen Auftreten von Herpes tonsurans. Zschr. Medbeamte, 1903, **16:** 865–7.—**Zakon, S. J., & Goldberg, A. L.** The problems of epidemic ringworm of the scalp. Illinois M. J., 1947, **92:** 232–4.

—— Etiology.

See also specific names under **Microsporum.**

Dósa, A. [Experiments on etiology of microsporia] Orv. hetil., 1935, **79:** 1145. Also Derm. Wschr., 1936, **102:** 75–8. ——— Mikrosporon felineum und Mikrosporon fulvum an Hand von Herpes tonsurans erythematosquamosus, beziehungsweise Herpes tonsurans Fällen. Ibid., **103:** 1281–4.—**Loewenthal, K.** Tinea capitis due to combined infection with Microsporum audouini and Microsporum lanosum; report of a case. Arch. Derm. Syph., Chic., 1948, **58:** 27–33.

—— Geography.

ELKAN, K. *Mikrosporie-Epidemie in München. 13p. 8° Münch., 1917.

HEUCK, A. *Ueber die Mikrosporie in Hamburg [Kiel] 20p. 8° Hamb., 1932.

HUENGES, C. E. *Die Microsporie in Strassburg i. E. 40p. 8° Strassb. i. E., 1914.

NAGEL, H. *Ueber das Auftreten der Mikrosporie in Heidelberg. 51p. 8° Heidelb., 1915.

Poss, W. *Ausbreitung der Mikrosporie in Bonn und Umgebung. 36p. 8° Bonn, 1931.

SCHERTLIN, E. *Eine Mikrosporie-Epidemie in Württemberg [Tübingen] 12p. 8° Stuttg., 1913.

STEIN, A. *Ueber eine erneute Mikrosporieendemie zu Dresden. p.461–70. 8° Breslau, 1932.

In: Arch. Derm. Syph., Berl., 1932–33, **167:**

Aldick, W. Ueber eine Mikrosporieepidemie in Schleswig-Holstein und ihre Behandlung mit Zimtchloroform. Arch. Derm. Syph., Berl., 1934, **170:** 473–84.—**Alkiewicz, J.** Epidemiologia mikrosporii w Polsce. Przegl. epidem., Warsz., 1948, **2:** 152.—**Arievich, A. M., Bekkerov, G. E., & Poryvaeva, V. F.** Novye dannye k epidemiologii mikrosporii v SSSR. Vest. vener., 1949, No. 3, 21–6.—**Carrick, L.** The epidemiology of tinea capitis in Detroit school children. J. Michigan M. Soc., 1946, **45:** 347–52.—**Caruso, S.** La microsporia in Sicilia. Gior. ital. derm. sif., 1926, **67:** 278–80.—**Catanel, A.** Huit

nouvelles observations algériennes de microsporie. Arch. Inst. Pasteur Algérie, 1935, **13**: 216–8.—**Cisneros, G. J. de.** Estudio clínicoepidemiológico de una epidemia de microsporia en Murcia. Actas derm. sif., Madr., 1934–35, **27**: 718–21. Also Med. ibera, 1935, **29**: 687–9.—**Dobes, W. L.** Ringworm of the scalp; an epidemic in Georgia. J. M. Ass. Georgia, 1947, **36**: 259–63.—**Fischer, W.** Studien und Betrachtungen über die Berliner Microsporieepidemie. Acta derm. vener., Upps., 1921, **2**: 35–68, 3 pl.—**Hoffmann, E.** Ueber gehäuftes Vorkommen von Mikrosporie im Rheinland. Derm. Zschr., 1920, **31**: 140.—**Kiehmet, W.** Eine Mikrosporie-Epidemie mit eigenartigem Verhalten in Hannover. Deut. med. Wschr., 1919, **45**: 1189.—**Lanteri, G.** Alcuni casi (7) di microsporia a Catania. Arch. ital. derm., 1930–31, **6**: 355–67.—**MacHaffie, L. P., Penny, S. F., & Beck, E. C.** Ringworm of the scalp in Ottawa public schools, 1946–47. Canad. Pub. Health J., 1948, **39**: 83.—**Masuda, R.** Morioka wo tyūsin to suru tihō no sizyōkin-sei hihusikkan, koto-ni hakusen no kenkyū [Skin diseases caused by Trichophyton and Microsporon in the city of Morioka] Iwate igakkai zassi, 1947–49, **1**: 181–95.—**Moncorps, C., & Gante, E.** Ueber eine Mikrosporieepidemie in Westfalen 1946–47. Derm. Wschr., 1947, **119**: 81–7.—**Montpellier & Lacroix, A.** Sur un cas de microsporie rencontré à Alger. Bull. Soc. fr. derm. syph., 1920, **27**: 145.—**Obrtel, J.** [Incidence of microsporia in Praha] Cas. lék. česk., 1934, **73**: 143–5.—**Ormea, F.** Su di alcune epidemie di microsporia in Germania, 1945–48. Riv. Ist. sieroter. ital., 1949, **24**: 2. sez., 95–101.—**Ponthus, P., & Berbir, A.** Les teignes au Liban et en Syrie; considérations générales et thérapeutiques. Rev. méd. Moyen Orient, 1949, **6**: 153–62.—**Schertlin, E.** Eine Mikrosporieepidemie in Württemberg. Med. Korbl. Württemberg, 1913, **83**: 549–52.—**Soetomo.** Microsporie bij Javaansche kinderen en hare epidemiologie. Geneesk. tschr. Ned. Indië, 1924, **64**: 720–5, pl.—**Specht.** Eine Mikrosporieepidemie im rheinisch-westfälischen Industriebezirk. Derm. Zschr., 1920, **31**: 87–90.—**Spencer, G. A.** Ringworm infection of the scalp in the Harlem area. N. York State J. M., 1944, **44**: 1486–90.—**Stümpke, G.** Ueber den weiteren Verlauf der hannoverschen Mikrosporieepidemie. Derm. Wschr., 1922, **74**: 472–5.—**Talice, R. V., & Mackinnon, J. E.** Dermatomicosis por Microsporum (Sabouraudites) en el Uruguay. Arch. Soc. biol. Montevideo, 1931, **3**: 19–31.—**Teodorescu, S.** Première épidémie de microsporie en Roumanie. C. rend. Soc. biol., 1926, **95**: 407. Also Rev. şt. med., Bucur., 1927, **16**: 46–50. Also Rev. fr. derm. vénér., 1927, **3**: 142–6.—**Winkler, M.** Ueber die Mikrosporie-Epidemie in Luzern. Korbl. schweiz. Aerzte, 1919, **49**: 1497–502.

—— Immunology.

See also subheading Allergy.

Rothman, S., Smiljanic, A. M., & Weitkamp, A. W. Mechanism of spontaneous cure in puberty of ringworm of the scalp. Science, 1946, **104**: 201–3.

—— lichenoides [1894 Pellizzari]

See under subheading Allergy.

—— Pathology.

Felsher, Z. Observations on the fluorescent material in hairs infected by Microsporon in tinea capitis. J. Invest. Derm., 1949, **12**: 139–44.—**Neuber, E.** [Pathology and therapy of microsporia in man] Orv. hetil., 1929, **73**: 1095. Also Derm. Wschr., 1930, **90**: 366–9.

—— Site [other than scalp]

See also **Scalp, Mycosis.**

SILBERLAST, N. *Mikrosporie der unbehaarten Haut. 20p. 8° Basel, 1915.

Costa, O. G. Microsporon infection of the palpebral and ciliary regions. Arch. Derm. Syph., Chic., 1943, **48**: 65–9.—**Montgomery, R. M.** Tinea ciliorum and tinea corporis. Ibid., 1945, **52**: 426.

—— Transmission from animals.

Cunha, C. Tinha microsporia de origem animal. Rev. méd. Paraná, 1947, **16**: 6–8.—**Henry, A., & Bory, L.** Microsporie du chien transmise à l'homme. Bull. Soc. fr. derm. syph., 1934, **41**: 1885.—**Stevenin, G.** Trois cas de microsporie humaine d'origine animale. Rec. méd. vét., 1937, **113**: 149–51.

—— Treatment.

Arievich, A. M. Sovremennoe sostoianie voprosa o lechenii trikhofitii, mikrosporii i parshi. Vest. vener., 1949, No. 3, 40–5.—**Buschke, A., & Klemm, G.** Zur Behandlung der Mikrosporie. Med. Klin., Berl., 1920, **16**: 1158–60.—**Fischer, F.** Erfahrungen bei der Behandlung der Mikrosporie. Derm. Zbl., 1912–13, **16**: 227.—**Leinbrock.** Neue Behandlungsversuche bei Mikrosporie. Zbl. Haut Geschlkr., 1949–50, **74**: 28.—**Lewis, G. M.** Ringworm of the scalp; curability, without depilating measures, of infections caused by animal microsporons. Am. J. M. Sc., 1935, **189**: 364–70. —— **Silvers, S. H. [et al.]** Measures to prevent and control an epidemic of ringworm of the scalp. N. York State J. M., 1944, **44**: 1327–33.—**Lieberthal, E. P.** Treatment of microsporon infection of the scalp. Arch. Derm. Syph., Chic., 1928, **18**: 97.—**Morehead, M. A.** Control of epidemic ringworm of the scalp. Med. Woman J., 1949, **56**: No. 6, 11–5.

—— Treatment: Epilation.

See also other subdivisions of Treatment; also **Thallium,** Therapeutic use.

Feiden, B. F. Epilation with thallium acetate in the treatment of ringworm of the scalp in children. Arch. Derm. Syph., Chic., 1928, **17**: 182–93.—**Kopsa.** Vier Fälle von Thalliumbehandlung bei Mikrosporie-Rezidive. Klin. Med., Wien, 1947, **2**: 635.—**Spelerer, C.** Röntgen- oder Thalliumepilation bei Mikrosporie? Strahlentherapie, 1931, **41**: 395–400.—**Urabe, H.** Ueber die Epilation zweier Fälle von Herpes tonsurans capillorum mit Thallium aceticum. Acta derm., Kyoto, 1934, **23**: 56–63.—**Voipertas, S.** [Buschke-Langer's method of depilation with thallium-acetate in the treatment of microsporia and trichophytosis] Medicina, Kaunas, 1927, **8**: 141–4

—— Treatment: Hormones.

Poth, D. O., & Kallski, S. R. Estrogen therapy of tinea capitis; preliminary report. Arch. Derm. Syph., Chic., 1942, **45**: 121–8.—**Thiel.** Versuche über die Behandlung der Mikrosporie mit Keimdrüsenhormonen. Deut. Gesundhwes., 1949, **4**: 31.

—— Treatment, local.

Bang, H. Behandling af mikrospori i haarbunden med mycocten. Hospitalstidende, 1937, **80**: Jydsk med. selsk. forh., 20–3.—**Berde, K.** Von der Oppenheimschen Tartarusbehandlung der Mikrosporiasis. Derm. Wschr., 1925, **81**: 1263–8.—**Loomis, E. C.** Ringworm of the scalp; treatment with thymol and oil of cinnamon. Arch. Derm. Syph., Chic., 1932, **26**: 495–8.—**Moriame.** Un an d'expérience du traitement des teignes microsporiques par applications locales de pénicilline. Arch. belg. derm. syph., 1948, **4**: 143–6. Also Scalpel, Brux., 1948, **101**: 137.—**Oliva Funes, E.** Tratamiento de la tiña microspórica del cuero cabelludo con sodio 4-nitro 3-bisacetoximercurio 2-cresol. Día méd., B. Air., 1945, **17**: 1246. Also Rev. méd. Córdoba, 1945, **33**: 756.—**Pechernikov, P. V.** [Treatment of trichophytosis and microsporia with chloracid] Kazan. med. J., 1939, No. 5, 84–6.—**Steiner, E.** Die Behandlung der Mikrosporie mit Tartarus-stibiatus-Salbe (nach Oppenheim) und hierbei auftretende besondere Eigentümlichkeiten des Verlaufes dieser Erkrankung. Derm. Wschr., 1925, **80**: 51–5.—**Strickler, A.** The treatment of tinea capitis with special iodine and dilute acetic acid; report of results in a larger series of patients. Urol. Cut. Rev., 1947, **51**: 264–7.—**Tanissa, A.** O tratamento local das tinhas tonsurantes. Gaz. méd. port., 1948, **1**: 689–94.—**Touralne & Gallerand.** Teigne tondante guérie après frictions à l'acide salicylique. Bull. Soc. fr. derm. syph., 1948, **55**: 20.—**Wilson, J. F.** Tinea capitis cured with local applications. Arch. Derm. Syph., Chic., 1946, **53**: 389; Disc., 389–92.

—— Treatment: Radiation.

Hohmann, H. Das Ergebnis einer Nachuntersuchung von 79 Mikrosporiefällen (3-10 Jahre nach der Röntgenepilation) Röntgenpraxis, 1932, **4**: 244–8.—**Kleinschmidt, L.** Zur Röntgenbehandlung der Mikrosporie. Derm. Wschr., 1921, **73**: 855–7.—**Krantz.** Der Heilungsvorgang bei der Röntgenbehandlung der Mikrosporie. Arch. Derm. Syph., Berl., 1928, **155**: 86–9.—**Lydon, F. L., Stephanides, T., & Robb, T. M.** Ringworm of the scalp; treatment by x-ray expilation without subsequent local application. Brit. M. J., 1949, **1**: 523.—**Roland, C. F.** Roentgen ray treatment of tinea capitis. Grace Hosp. Bull., Detr., 1949, **27**: 29–33.—**Sabouraud, R., & Noire, H.** Traitement des teignes tondantes par les rayons x à l'Ecole Lailler (Hôpital St-Louis) Ann. électrob., Lille, 1905, **8**: 79–105, 3 pl.—**Shanks, S. C.** X-ray treatment of ringworm of the scalp. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 188–93.—**Stümpke, G.** Zur Bewertung der Röntgentherapie bei Mikrosporie. Strahlentherapie, 1927, **25**: 358–61.

—— Treatment, specific.

Smith, L. M. Ringworm of the scalp; treatment of microsporon infections with a specific culture filtrate. South. M. J., 1935, **28**: 610–5.

—— in animals.

See also **Microsporum** species (M. canis; M. felineum)

FERET, O. R. *La microsporie du chat et sa transmission à l'homme. 55p. 8° Par., 1934.

Hebrant & Antoine. Teigne à Microsporum chez le chien et le chat. Ann. méd. vét., Brux., 1913, **62**: 65–8.—**Heelsbergen, T.** Trichophytie en microsporie bij het paard. Tschr. diergeneesk., 1918, **45**: 477–86, pl.—**Kaiser, M.** Ueber einen Fall von Herpes tonsurans beim Impftier. Zschr. Hyg., 1935, **117**: 106–9.—**Rathsmann.** Borkenflechte (Herpes tonsurans crustosus) bei einem Pferde der 1. Eskadron Reiter-Regiment Nr. 5. Zschr. Veterinärk., 1923, **35**: 243–7.

MICROSPORID.

See under **Lichen; Microsporia,** Allergy.

MICROSPORIDIIDA [1899 Labbé]

See also **Cnidosporidia; Microsporidiosis; Myxosporidia;** also **Fish,** Disease; **Insecta,** Diseases; also under names of insects as **Bee,** Diseases, etc.

DEBAISIEUX, P. Etudes cytologiques sur quelques microsporidies. p.387–452. 4°. Louvain, 1928.
In: Cellule, Louvain, 1928, **38:** pt 3.

JÍROVEC, O. Cizopasníci našich perlooček; mikrosporidie. 10p. 25cm. Praha, 1943.
Forms No. 23, Věst. Cesk. spol. nauk, tř. mat. přírod. (1942) 1943.

Cardamatis, J. P. De quelques microsporidies chez la mouche domestique. Zbl. Bakt., 1. Abt., 1912, **65:** Orig., 77–9, pl.—**Debaisieux, P., & Gastaldi, L.** Les microsporidies parasites des larves de Simulium. Cellule, Louvain, 1919–20, **30:** 185–213, 6 pl.—**Fantham, H. B., Porter, A., & Richardson, L. R.** Some microsporidia found in certain fisbes and insects in eastern Canada. Parasitology, Lond., 1941, **33:** 186–208, pl.—**Jírovec, O.** Zur Kenntnis einiger Cladoceren-Parasiten. Zool. Anz., 1942, **140:** 129–33. ——— Revision der in Simulium-Larven parasitierenden Mikrosporidien. Ibid., 1942–43, **142:** 173–9.—**Léger, L., & Duboscq, O.** Sur une microsporidie parasite d'une grégarine. C. rend. Acad. sc., 1909, **148:** 733.—**Mercier, L.** Sur une microsporide du talitre. C. rend. Soc. biol., 1906, **61:** 90. ——— & **Poisson, R.** Microsporidies parasites de Mysis (Crust., Schizopodes) C. rend. Acad. sc., 1926, **182:** 1576–8.—**Nemeczek, A.** Beiträge zur Kenntnis der Myxo- und Microsporidien der Fischе. Arch. Protistenk., 1911, **22:** 143–69, 2 pl.—**Pérez, C.** Sur une microsporidie, nouvelle parasite des crabes du bassin d'Arcachon. P. verb. Soc. sc. phys. natur. Bordeaux, 1903–04, 105–8.—**Sen, P.** On the Microsporidia infesting some anophelines of India. J. Malaria Inst. India, 1941, **4:** 257–61, pl.—**Steinhaus, E. A., & Hughes, K. M.** Two newly described species of Microsporidia from the potato tuberworm, Gnorimoschema operculella (Zeller) (Lepidoptera, Gelechiidae) J. Parasit., Lanc., 1949, **35:** 67–75, incl. pl.—**Weiser, J.** Zur Kenntnis der Mikrosporidien aus Chironomiden-Larven. Zool. Anz., 1942, **140:** 126; 1943, **141:** 255.

—— Duboscqia [1908 Pérez]

See also **Termes.**

Kudo, R. R. Microsporidian parasitic in Reticulitermes flavipes. J. Parasit., Lanc., 1938, **24:** 377. ——— Notes on a microsporidian parasite, Duboscqia sp., of Reticulitermes of Maryland. Ibid., 1941, **27:** No. 6, Suppl., 32. ——— On the microsporidian, Duboscqia légeri Pérez 1908, parasitic in Reticulitermes flavipes. J. Morph., 1942, **71:** 307–33, 4 pl.—**Pérez, C.** Sur Duboscquia légeri, microsporidie nouvelle parasite du Termes lucifugus et sur la classification des microsporidies. C. rend. Soc. biol., 1908, **65:** 631–3.

—— Encephalitozoon.

See **Encephalitozoon;** also under **Rabies,** Etiology.

—— Glugea [1891 Thélohan]

Jírovec, O. Ueber eine neue Microsporidienart (Glugea acerinae, n. sp.) aus Acerina cernua. Arch. Protistenk., 1930, **72:** 198–213, 2 pl.

—— Mrazekiidae [1922 Léger]

See also subdivision Octosporea.

Debaisieux, P. Deux microsporidies nouvelle de larves de Chironomus. C. rend. Soc. biol., 1931, **107:** 913–5.—**Jírovec, O.** Zur Kenntnis von in Oligochäten parasitierenden Microsporidien aus der Familie Mrázekidae. Arcb. Protistenk., 1936, **87:** 314–44, 4 pl.—**Léger, L., & Hesse, E.** Mrazekia, genre nouveau de microsporidies à spores tubuleuses. C. rend. Soc. biol., 1916, **79:** 345–8, pl.

—— Nosema [1857 Nägeli]

See also names of insects as **Bee; Bombyx; Pulex,** etc

KUDO, R. R. Morphology and development of Nosema notabilis Kudo, parasitic in Sphaerospora polymorpha Davis, a parasite of Opsanus tau and O. beta. 83p. 26½cm. Urbana, 1944.
Also Illinois Biol. Monogr., 1944, **20:** 7–83.

Abdel-Malek, A., & Steinhaus, E. A. Invasion route of Nosema sp. in the potato tuberworm, as determined by ligaturing. J. Parasit., Lanc., 1948, **34:** 452.—**Aipatov, V. V., & Gubin, A. F.** [On tbe action of different chemicals on Nosema apis Z. (Protozoa, Microsporidia)] Zool. J., Moskva, 1942, **21:** 147–52.—**Isiwata, S.** Note on a species of Nosema infecting Attacus cynthia Drury. J. Parasit., Urbana, 1917, **3:** 136.—**Koegel, A.** Kontrastfärbung von Nosemasporen in Ausstrichen. Berl. tierärztl. Wschr., 1928, **44:** 354.—**Kudo, R. R.** Eine neue Methode die Sporen von Nosema bombycis Nägeli mit ihren augeschnellten Polfäden dauerhaft zu präparieren und deren Länge genauer zu bestimmen. Zool. Anz., 1913, **41:** 368–71. ——— Studies on Microsporidia parasitic in mosquitoes; on a microsporidan, Nosema aedis, n. sp., parasitic in a larva of Aëdes aegypti of Porto Rico. Arcb. Protistenk., 1930, **69:** 23–38, 2 pl. ——— The development of Nosema notabilis Kudo, a microsporidian, and of its host myxosporidian, Spbaerospora polymorpha Davis, parasitic in Opsanus tau. Anat. Rec., 1941, **81:** Suppl., 133 (Abstr.) ——— Nosema termitis n. sp., parasitic in Reticulitermes flavipes. J. Morph., 1943, **73:** 265–79, 2 pl.—**Marzocchi, V.** Sul cosidetto microsporidio poliedrico del giallume del Bombyx mori. Gior. Accad. med. Torino, 1907, 4. ser., **13:** 382–4. Also Riv. igiene san. pubb., 1907, **18:** 551–60, pl.; 1908, **19:** 678–80. ——— Sul parassita del giallume del Bombyx mori (Microsporidium polyedricum Bolle) Arch. parasit., Par., 1908–09, **12:** 456–66.—**Masera, E.** Autres bôtes du Nosema bombycis Nägeli. Boll. Sez. ital. Soc. internaz. microb., 1939, **11:** 138.—**Ohmori, J.** Zur Kenntnis des Pebrine-Erregers, Nosema bombycis Nägeli. Arb. Gesundhamt., 1912, **40:** 108–22, pl.—**Paillot, A.** Sur le cycle évolutif de Nosema bombycis parasite de la pébrine du ver à soie. C. rend. Soc. biol., 1928, **99:** 81–3. ——— Le cycle évolutif de Nosema carpocapsae, microsporidie nouvelle parasite du carpocapse, Laspeyresia pomonella L. Ibid., 1938, **127:** 1138–40.—**Poisson, R.** Recberches sur les microsporidies parasites des hémiptères; Nosema veliae, n. sp., microsporidie parasite de Velia currens Fab. Arch. zool. exp., Par., 1929–30, **69:** Notes & rev., 55–63.—**Schiller, J.** Bildet Nosema apis physiologisch verschiedene Rassen? Wien. tierärztl. Mschr., 1938, **25:** 754–6.—**Weissenberg, R.** Microsporidien aus Tipulidenlarven (Nosema binucleatum n. sp., Thelohania tipulae n. sp.) Arcb. Protistenk., 1926, **54:** 431–67, 3 pl.

—— Octosporea [1911 Flu]

See also **Drosophilidae,** and the names of affected species.

Brug, S. L. Octosporea monospora (Cbatton u. Krempf) Arch. Protistenk., 1914, **35:** 127–38, 2 pl.—**Thomson, J. G.** A microsporidian (Octosporea) in tbe intestine of Musca sorbens Wied. Tr. R. Soc. Trop. M. Hyg., Lond., 1935–36, **29:** 6.

—— Perezia [1909 Léger]

Léger, L., & Duboscq, O. Perezia lankesteriae n. g., n. sp., microsporidie parasite de Lankesteria ascidiae (Ray-Lank.) Arch. zool. exp., Par., 1909–10, **1:** Notes & rev., p. lxxix–xciii.—**Paillot, A.** Deux microsporidies nouvelles parasites des chenilles de Pieris brassicæ. C. rend. Soc. biol., 1918, **81:** 66–8. ——— Perezia legeri, n. sp., microsporidie nouvelle, parasite des chenilles de Pieris brassicæ. Ibid., 187–9. ——— Contribution à l'étude des microsporidies parasites de Pieris brassicae L. Arch. anat. micr., Par., 1929, **25:** 212–30.

—— Plistophora [1893 Gurley]

See also **Aedes; Simulium,** and other affected insects.

Georgévitch, J. Nouvelles recberches sur les microsporidies; contribution à la connaissance du cycle évolutif de Plistophora blochmanni Zwölfer. Arch. Protistenk., 1929, **65:** 124–50, 3 pl.—**Mercier, L.** Sur la mitose des cellules à Bacillus cuenoti. C. rend. Acad. sc., 1907, **145:** 833–5.—**Sprague, V., & Ramsey, J.** A preliminary note on Plistophora kudoi n. sp., a microsporidian parasite of the cockroacb. Anat. Rec., 1941, **81:** Suppl., 132 (Abstr.) ——— Further observations on Plistophora kudoi, a microsporidian of the cockroach. J. Parasit., Lanc., 1942, **28:** 399–406, pl.—**Zwölfer, W.** Plistophora blochmanni, eine neue Microsporidie aus Gammarus pulex L. Arch. Protistenk., 1926, **54:** 261; 341; 5 pl.

—— Stempellia [1910 Léger]

See also **Culex; Ephemeridae; Moniezia.**

Jones, A. W. Stempellia moniezi n. sp., a microsporidian (Protozoa; Sporozoa) parasite of Cestodes. J. Parasit., Lanc., 1942, **28:** Suppl., 10 (Abstr.) ——— A furtber description of Stempellia moniezi Jones, 1942, a microsporidian parasite (Nosematidae) of Cestodes. Ibid., 1943, **29:** 373–8.

—— Thelohania [1892 Henneguy]

See also affected hosts as **Aedes; Anopheles; Simulium,** etc.

Debaisieux, P. Microsporidies parasites des larves de Simulium; Tbelobania varians. Cellule, Louvain, 1919–20, **30:** 45–79, 5 pl.—**Mattes, O.** Ueber den Entwicklungsgang der Microsporidie Thelohania epbestiae und die von ihr bervorgerufenen Krankheitserscheinungen. Zschr. wiss. Zool., 1928, **132:** 526–82, 4 pl.—**Paillot, A.** Sur Thelohania mesnili, microsporidie nouvelle, parasite des chenilles de Pieris brassicæ L. C. rend. Soc. biol., 1924, **90:** 501–3.

MICROSPORIDIOSIS.

See also **Microsporidiida**; also names of affected hosts as **Bee**; **Bombyx**; **Crustacea**; **Fish**, Disease; **Insecta**, Diseases, etc.

BOUGUEREAU, M. *Les maladies des abeilles légalement contagieuses; les loques, l'ascariose, la nosémose. 67p. 24cm. Toulouse, 1933.

Allen, H. W., & Brunson, M. H. Control of Nosema disease of potato tuber worm, a host used in the mass production of Macrocentrus ancylivorus. Science, 1947, **105**: 394.—**Burnside, C. F., & Revell, I. L.** Observations on nosema disease of honey bees. J. Econom. Entom., 1948, **41**: 603–7.—**Claussen, L.** Mikrosporidieninfektion beim gefleckten Seewolf. Deut. tierärztl. Wschr., 1936, **44**: 307–10.—**Fantham, H. B., & Porter, A.** The Isle of Wight disease of bees (Microsporidiosis) Rep. Brit. Ass. Advance. Sc. (1912) 1913, 515.—**Farrar, C. L.** Nosema losses in package bees as related to queen supersedure and honey yields. J. Econom. Entom., 1947, **40**: 333–8.—**Gasperini, G.** Sui microsporidi del farcino criptococchico o della così detta saccaromicosi equina. Atti Soc. tosc. igiene, 1905, **5**: 41–8; Disc., 17.—**Le Danois, E.** Sur une tumeur à microsporidies chez un crénilabre. Bull. Soc. sc. méd. ouest, 1910, **19**: 210.—**Levaditi, C., Nicolau, S., & Schoen, R.** La microsporidiose du lapin; ses relations avec la rage. C. rend. Acad. sc., 1924, **178**: 256–8.—**Mercier, L.** Néoplasie du tissu adipeux chez des blattes (Periplaneta orientalis L.) parasitées par une microsporidie. Arch. Protistenk., 1908, **11**: 372–81, pl.—**Neumüller, O.** Zur Diagnose und Veterinärpolizeilichen Bekämpfung der Nosemaseuche der Bienen. Berl. tierärztl. Wschr., 1942, 123–5.—**Paillot, A.** Sur la transmission des maladies à microsporidies chez les insectes. C. rend. Soc. biol., 1924, **90**: 504–6.—**Poisson, R.** Sur une infection à microsporidie chez la nèpe cendrée (hémiptère-hétéroptère) la réaction des tissue de l'hôte vis-à-vis du parasite. Arch. zool. exp., Par., 1927–28, **67**: Notes & rev., 129–37.—**Schiller, J.** Versuche zur Ermittlung eines Vorbeugemittels gegen die Nosemaseuche. Wien. tierärztl. Mschr., 1941, **28**: 130–5.—**Schönberg, F.** Ueber Zystenbildung und Schwarzfleckigkeit der Seefischmuskulatur, verursacht durch Mikrosporidien. Zschr. Fleisch Milchhyg., 1938–39, **49**: 329.—**Shereshevsky, H.** Mikrosporidien als Erreger einer Muskelerkrankung der Flusskrebse. Zool. Anz., 1925–26, **65**: 69–74.

MICROSPOROCYTE.

See also **Cell-division.**

Devisé, R. Le fuseau dans les microsporocytes du Larix. C. rend. Acad. sc., 1914, **158**: 1028–30. ——— La figure achromatique et la plaque cellulaire dans les microsporocytes du Larix europæa. Cellule, Louvain, (1921) 1922, **32**: pt 2, 247–309, 4 pl.

MICROSPOROGENESIS.

See also **Microspore**; **Sporogenesis.**

Camara, A. Efeitos do calor sôbre a microsporogênese do Secale cereale. Sc. genet., Tor., 1939, **1**: 86–102.—**Heimlich, L. F.** Microsporogenesis in the cucumber. Proc. Nat. Acad. Sc. U. S., 1927, **13**: 113–5. ——— Microsporogenesis in Cucumis sativus. Cellule, Louvain, 1929–30, **39**: 5–24, 3 pl.—**Joshi, A. C., & Rao, B. V. R.** A study of microsporogenesis in two Menispermaceae. Ibid., 1935–36, **44**: 219–34, 2 pl.—**Santos, J. V.** A microsporogenesis of Spathoglottis plicata Blume. Bull. Nat. Res. Counc. Philippine Islands, 1937, No. 12, 152.—**Woodworth, R. H.** Meiosis of microsporogenesis in the Juglandaceae. Am. J. Bot., 1930, **17**: 863–9, 2 pl.

MICROSPORON [1853 Robin]

See **Microsporum.** For certain species see also **Malassezia.**

MICROSPOROSIS.

See **Microsporia.**

MICROSPORUM [1843 Gruby]

See also **Microsporia**; **Mycosis**; **Scalp**, Mycosis; **Trichophytoneae.**

Conant, N. F. Studies in the genus Microsporum; cultural studies. Arch. Derm. Syph., Chic., 1936, **33**: 665–83. ——— Biometric studies. Ibid., **34**: 79–89. ——— Taxonomic studies. Ibid., 1937, **36**: 781–808. ——— A statistical analysis of spore size in the genus Microsporum. J. Invest. Derm., 1941, **4**: 265–78.—**Kligman, A. M., & Rebell, G.** The routine cultural identification of microsporum ringworm of the scalp. Ibid., 1949, **13**: 135–7.—**Lanteri, G.** Tipi di microsporia riconosciuti nell'uomo. Boll. Soc. ital. biol. sper., 1930, **5**: 499.—**Loewenthal, K.** Fuseaux formation of the genus Microsporum. Arch. Derm. Syph., Chic., 1950, **61**: 455–9.—**Maplestone, P. A., & Dey, N. C.** A microsporum new to India. Ind. M. Gaz., 1939, **74**: 148–51, pl.—**Nakamura, T.** Ueber eine bisher nicht beschriebene Art von Microsporon in Japan. Jap. J. Derm. Urol., 1931, **31**: 152.—**Negroni, P.** Micología de los Microsporum. In his Dermatomicosis, B. Air., 1942, 315–40.—**O'Farrell, N. M.** Differentiation of Microsporon audouini from Microsporon lanosum by fluorescence. Arch. Derm. Syph., Chic., 1948, **57**: 919.—**Sartory, A., Sartory, R., & Anselm, P.** Etude d'un Microsporum parasite de l'enfant. Bull. Acad. méd., Par., 1943, **127**: 459–62.—**Talice, R. V., & Mackinnon, J. E.** Sabouraudites (Microsporum) parasites de l'homme. C. rend. Soc. biol., 1931, **107**: 883.

—— amethysticum [1928 Weidman]

See **Trichophyton.**

—— anomeon [1882 Vidal]

See **Micrococcus.**

—— asteroides [1928 Guiart]

See M. mentagrophytes; also **Ectotrichophyton**, in 5. ser.

—— audouini [1843 Gruby]

Syn.: Martensella microsporum (1895 Vuillemin) Trichophyton (decalvans, 1848; microsporum, 1892)

Benedek, T. On the growth of Microsporum audouini and its production of perithecia on rice medium in the presence of a new stimulating saprophytic bacillus. Chron. bot., Waltham, 1942–43, **7**: 203.—**Berde, K.** [On the resistance of Microsporon audouini] Magy. orv. arch., 1926, **27**: 112–21. Also Arch. Derm. Syph., Berl., 1926, **150**: 225–34.—**Card, J. R.** Diagnosis and treatment of tinea capitis due to Microsporon audouini infection. Bull. Toronto East M. Ass., 1948, **13**: 15–7.—**Carrick, L.** Methods of local therapy for tinea capitis due to Microsporon audouini. J. Am. M. Ass., 1946, **131**: 1189–94.—**Catanei, A.** Recherches sur les teignes dans la région d'Oran (Algérie) deuxième observation algérienne de microsporie due à M. audouini. Bull. Soc. path. exot., Par., 1931, **24**: 177–81.—**Dey, N. C., & Ghosh, L. M.** Studies of ringworm; Microsporum audouini infection in India. Ind. M. Gaz., 1944, **79**: 51–5, 2 pl.—**Felsher, I. M., & Finnerud, C. W.** Tinea capitis in a woman aged 46, mother of two children with tinea capitis (Microsporon audouini type) Arch. Derm. Syph., Chic., 1948, **58**: 517.—**Fox, H.** Ringworm of the scalp in the adult; report of a case of kerion due to Microsporon audouini. Ibid., 1926, **13**: 398–400.—**Gaul, L. E.** Ringworm of the scalp due to Microsporon audouini; report of cases in Dubuque, Iowa. J. Iowa M. Soc., 1945, **35**: 253–5.—**Gilbert, R. O.** Report of an outbreak of ringworm of the scalp due to M. audouini. California M., 1949, **70**: 194–7.—**Glass, F. A.** Viability of fungus in hairs from patients with tinea capitis; Microsporon audouini. Arch. Derm. Syph., Chic., 1948, **57**: 122–4.—**Hazen, E. L.** Microsporum audouini; the effect of yeast extract, thiamine, pyridoxine, and Bacillus weidmaniensis on the colony characteristics and macroconidial formation. Mycologia, Lanc., 1947, **39**: 200–9.—**Jaeger, H., & Zimmermann, P.** Sur la teigne due au Microsporum audouini. Dermatologica, Basel, 1949, **98**: 227–37.—**Klumpp, M., & Reiss, F.** Tinea capitis due to Microsporon audouini. Arch. Derm. Syph., Chic., 1947, **56**: 547–50.—**Lattman, I.** Roentgen therapy in ringworm of scalp due to Microsporon audouini. Clin. Proc. Child. Hosp., Wash., 1947–48, **4**: 312.—**Leão A. E. de A., & Cury, A.** Sôbre a exigência de ácido nicotínico observada em cogumelo filamentoso, Microsporum audouini. Hospital, Rio, 1949, **35**: 347–51.—**Lewis, G. M.** Tinea capitis (Microsporon audouini) associated with alopecia areata. Arch. Derm. Syph., Chic., 1945, **51**: 288.—**MacKee, G. M., Hermann, F., & Karp, F. L.** A new treatment for anthropophilic tinea tonsurans (Microsporon audouini) J. Invest. Derm., 1946, **7**: 43–52.—**Manca, V.** Su un caso di microsporide con reperto del Microsporon audouini dal sangue circolante. Dermosifilografo, 1932, **7**: 57–76.—**Pinkus, H.** Ringworm of the scalp caused by Microsporon audouini in Monroe County. J. Michigan M. Soc., 1945, **44**: 823–6.—**Price, H.** The local treatment of tinea capitis due to Microsporum audouini. Ann. West. M. & S., 1949, **3**: 210–6.—**Reif, F. B.** Ringworm of the scalp due to Microsporum audouini during pregnancy. Arch. Derm. Syph., Chic., 1949, **59**: 662.—**Robinson, H. M., jr.** In vitro studies of Microsporon audouini infection of the hair. Ibid., 1948, **57**: 991–7.—**Rothman, S., Smiljanic, A. M., & Shapiro, A. L.** Fungistatic action of hair fat on Microsporon audouini. Proc. Soc. Exp. Biol., N. Y., 1945, **60**: 394.—**Saitō, K.** Audouin-si-kin ni yoru tōbu sinzai-sei hakusen no iti rei [Ein Fall von Kerion Celsi, von Microsporon audouini verursacht] Jap. J. Derm. Urol., 1939, **46**: 485.—**Schmidt, P. W.** Ueber die Pilzflora Westfalens, insbesondere des Münsterlandes (Beiträge zur Klinik besonderer Erkrankungsformen bei Pilzerkrankungen, sowie über Doppelinfektionen mit verschiedenen Pilzarten, Züchtung von Mikrosporon audouinii aus dem strömenden Blute) Arch. Derm. Syph., Berl., 1932–33, **167**: 418–47.—**Scully, J. P., Livingood, C. S., & Pillsbury, D. M.** The local treatment of tinea capitis due to M. audouini; the importance of inflammatory reaction as an index of curability. J. Invest. Derm., 1948, **10**: 111–8.—**Silvers, S. H.**

Microsporon audouini infection of the eyelashes. Arch. Derm. Syph., Chic., 1944, **49**: 436.—**Sweitzer, S. E.** Tinea capitis due to Microsporon audouini (3 cases) Ibid., 1947, **55**: 147.

—— audouini: Variants.

See other subdivisions (canis; equinum)

—— caninum [1908 Sabouraud]

See M. canis.

—— canis [1897 Bodin]

Syn.: Microsporum audouini var. macrosporum (1921) Microsporum lanosum (1907) Sabouraudites felineus (1930 pro parte) Trichophyton tonsurans (1876)

Appel, B., & Ansell, H. B. Large spores (macroconidia, fuseaux) of Microsporum canis in vivo; report of two cases. Arch. Derm. Syph., Chic., 1949, **59**: 168–74.—**Botvinick, I., Peck, S. M., & Schwartz, L.** An outbreak of Microsporon lanosum infection from a kitten. Pub. Health Rep., Wash., 1943, **58**: 317–9.—**Castro, A. M. de.** Tinhas dos animaes domésticos em São Paulo; microsporia: Microsporon felineum C. Fox-e F. Blaxall, 1896 e Microsporon canis Bodin-Almy, 1897=Microsporon lanosum Sabouraud, 1907. Arch. Inst. biol., S. Paulo, 1928, **1**: 201–16, 7 pl.—**Conant, N. F.** Synonymie de Microsporum canis, Bodin 1902 et de M. equinum Nicolas et Lacomme 1906. Ann. parasit., Par., 1935, **13**: 161–4.—**Gaté, M.** [et al.] Plaque unique de teigne microsporique due au Microsporon lanosum; lésions d'herpès circiné diffusément réparties sur un grand nombre de points du tégument. Bull. Soc. fr. derm. syph., 1931, **38**: 392–4.—**Gauvain, E. A.** Tinea capitis in an adult, Microsporon lanosum. Arch. Derm. Syph., Chic., 1949, **60**: 860.—**González Ochóa, A.** El Microsporum canis (Bodin y Almy, 1897) en México. Rev. Inst. salub. enferm. trop., Méx., 1941, **2**: 319–26, pl.—**Grigoraki, L., & David, R.** Caractères biochimiques du Microsporum canis, Bodin, 1897, Grigoraki et Guiart, emend, 1928. C. rend. Soc. biol., 1939, **130**: 203–5.—**Hagan, W. A.** Microsporum canis synonyms; this species is apparently identical with Microsporum lanosum (of man) and Microsporum felineum (of cats) In his Infect. Dis. Domest. Animals, Ithaca, 1943, 360.—**Langeron, M., & Talice, R. V.** Nouveau type de lésion pilaire expérimentale produite par la culture purement pléomorphique du Sabouraudites felineus. Ann. parasit., Par., 1930, **8**: 419–21. ——— Immunité produite par des souches pléomorphiques de Sabouraudites felineus. Ibid., 509–11.—**Lewis, G. M.** Tinea barbae and tinea corporis due to Microsporum lanosum. Arch. Derm. Syph., Chic., 1944, **50**: 144. ——— **& Hopper, M. E.** Mechanism of cure of infections caused by Microsporon lanosum. Ibid., 1937, **36**: 1194–6.—**Lewis, G. M., & Miller, H. C.** Ringworm of the scalp; a report of three cases due to Microsporon lanosum with a tendency to spontaneous recovery. Ibid., 1934, **29**: 890–2.—**Burtlansky, I.** [On the cellular structure of the spindles of Microsporum lanosum Sabouraud] J. mikrob., Kiev, 1940, **7**: No. 4, 149–58.—**Martins, C.** Microsporum lanosum et trois espèces cryptogamiques satellites isolées dans un cas de teigne tondante. C. rend. Soc. biol., 1928, **98**: 1164–6.—**Peck, S. M.** Failure of local therapy in tinea capitis due to Microsporon lanosum. Arch. Derm. Syph., Chic., 1937, **36**: 444.—**Sartory, A., Sartory, R., & Anselm, P.** Etude biologique et biochimique de Microsporum lanosum variété album. Bull. Acad. méd., Par., 1944, **128**: 376.—**Zollikofer, R., & Wenner, O.** Ueber eine St. Galler Mikrosporie-Epidemie. Korbl. schweiz. Aerzte, 1908, **38**: 553–64.

—— duboisi [1949 Vanbreuseghem]

Vanbreuseghem, R. Description d'un nouveau dermatophyte isolé au Congo Belge, Sabouraudites (Microsporon) duboisi, n. sp. Ann. parasit., Par., 1949, **24**: 252–8, 2 pl.

—— equineum [1896 Delacroix]

Syn.: Fusarium e. (1901) Microsporum audouini var. equinum (1935)

Bergner, K. Mikrosporon equinum und Achorion gypseum als Erreger von Flechtenerkrankungen bei Pferden. Zschr. Infektkr. Haustiere, 1942, 58: 121–41, 4 pl.—**Krantz, W.** Mikrosporon equinum, Bodin 1898. Arch. Derm. Syph., Berl., 1940, **181**: 234–8.—**Nannizzi, A.** Su la supposta forma Oospora (Actinomyces) di Bodin del Microsporon equinum. Arch. ital. derm., sif., 1925–26, **1**: 478–84.—**Poenaru, D. J.** Le pléomorphisme de Microsporum equinum. C. rend. Soc. biol., 1934, **117**: 1132.

—— felineum [1896 Fox]

Syn.: M. radiatum (1925) also, for the niveum variant, M. niveum (1925 Truffi)

Basso, G., & Niño, F. L. Tiña microspórica y herpes circinado de localizaciones múltiples en un niño de Mendoza originadas por Microsporum felineum, Fox y Blaxall, 1896. Reun. Soc. argent. pat. region. (1935) 1939, 9. meet., **3**: 1417–26, pl.—**Davidson, A. M., & Gregory, P. H.** Kitten carriers of Microsporon felineum and their detection by the fluorescence test. Canad. M. Ass. J., 1933, **29**: 242–7.—**Joyeux, C., & Sautet, J.** Action du staphylocoque doré sur le développement en culture du Microsporum felineum Fox et Blaxall, 1896. C. rend. Soc. biol., 1938, **129**: 973–5.—**Millian & Karachentzeff.** Epidémie de trichophytie épidermique due au Microsporum felineum chez 10 personnes; extension au cuir chevelu chez deux enfants. Bull. Soc. fr. derm. syph., 1936, **43**: 1621–3.—**Neves, A.** Contribuição ao estudo das dermato-mycoses em Bello Horizonte; observações sôbre casos provocados pelo Microsporon felineum C. Fox e F. Blaxall 1896. Brazil med., 1923, **37**: 144–9.—**Radaeli, A.** Sopra alcuni casi di microsporia da M. felineum (C. Fox e F. Blaxall, 1896) Gior. ital. mal. vener., 1924, **65**: 1670–85, pl.—**Ranque, J.** Actions réciproques du staphylocoque doré et du Microsporum felineum d'une part, du bacille pyocyanique et Microsporum felineum d'autre part, en culture sur milieux solides. C. rend. Soc. biol., 1946, **140**: 654.—**Sézary & Georges-Lévy.** Teigne de l'adulte due au Microsporum felineum. Bull. Soc. fr. derm. syph., 1933, **40**: 218.—**Vanbreuseghem, R., & Moriamé, G.** A propos d'un cas de teigne mixte par Sabouraudites (Microsporon) felinum et Trichophyton crateriforme. Arch. belg. derm. syph., 1948, **4**: 367–77.

—— ferrugineum [1921 Ota]

Syn.: Achorion f. (1928) Grubyella f. (1923) Trichophyton f. (1931) also for the Kurochkin variant, M. orientale (1928 Carol)

Arievich, A. M. [Microsporum ferrugineum as causative factor of microsporia in children] Med. parazit., Moskva, 1938, **7**: 236–43.—**Cyganov, V. A.** Microsporum ferrugineum, ego polimorfizm i kharakternye osobennosti. Vest. vener., 1949, No. 6, 21–4.—**Forconi, G.** Una dermatomicosi umana da ifomicete esotico. Atti Accad. fisiocr. Siena (1926) 1927, **1**: 515–7.—**Jakobson, P. J.** Sluchai chelovecheskoi mikrosporii v Latviiskoi SSR, vyzvannye Microsporon ferrugineum. Vest. vener., 1949, No. 3, 53.—**Khokhutkin, I. I.** Microsporon ferrugineum na nashem materiale. Ibid., 29–31.—**Ota, M.** Sur deux espèces nouvelles de dermatophytes en Mandchourie; Microsporum ferrugineum et Trichophyton pedis n. sp. Bull. Soc. path. exot., Par., 1922, **15**: 588–96.—**Petges, G., & Lecoulant, P.** Teigne d'origine africaine (région du Tchad) chez un enfant de 22 mois à parasite rappelant le Microsporon ferrugineum d'Ota; essai d'identification. Ann. derm. syph., Par., 1937, **8**: 447–57.—**Vanbreuseghem, R.** Contribution à la connaissance des dermatophytes du Congo Belge; présence des Trichophyton glabrum, gourvili et ferrugineum. Ann. Soc. belge méd. trop., 1948, **28**: 429–43, pl.

—— flavescens [1911 Horta]

Horta, P. Nova tinha microsporia brazileira, Microsporon flavescens, n. sp. Brasil med., 1911, **25**: 51.

—— fulvum [1907 Uriburu]

Grigoraki, L., & David, R. Caractères bio-chimiques de Microsporum fulvum, Uriburu, 1907. C. rend. Soc. biol., 1939, **132**: 450–2.—**Hasegawa, M., & Yamamoto, K.** Ueber einen bei Affen gezüchteten Pilz; Microsporon fulvum. Jap. J. Derm. Urol., 1936, **39**: 23–5.—**Moore, M., & Conrad, A. H., jr.** Microsporosis of the scalp caused by Microsporum fulvum; report of a case and description of the fungus. Arch. Derm. Syph., Chic., 1940, **42**: 610–3.—**Vrijman, L. H.** [Microsporon fulvum] Ned. tschr. geneesk., 1935, **79**: 5369.

—— furfur.

See **Malassezia** furfur.

—— gallinae.

See under **Achorion.**

—— gracile [1883 Balzer]

See M. minutissimum; also **Actinomyces,** in 5. ser.

—— gypseum [1907 Bodin]

See M. mentagrophytes.

—— inguinale [1928 Guiart]

See **Epidermophyton, floccosum.**

—— lanosum [1907 Sabouraud]

See M. canis.

—— malassezi [1889 Baillon]

See **Malassezia,** ovalis.

—— mansoni [1905 Castellani]

See **Dematium.**

—— mentagrophytes [1853 Robin]

Syn.: Trichophyton asteroides; Trichophyton gypseum. See also **Ectotrichophyton**, in 5. ser.

Berde, K. [Trichophyton gypseum subfuscum] Orv. hetil., 1937, **81**: 936.—**Bocobo, F. C., & Benham, R. W.** Pigment production in the differentiation of Trichophyton mentagrophytes and Trichophyton rubrum. Mycologia, Lanc., 1949, **41**: 291–302.—**Cole, P. A.** The ultraviolet absorption spectra of different regions of Trichophyton mentagrophytes spores. Am. J. Bot., 1941, **28**: 931–4.—**Emmons, C. W.** Trichophyton mentagrophytes (Pinoyella simii) isolated from dermatophytosis in the monkey. Mycopathologia, Gravenh., 1939, **2**: 317–9, 2 pl.—**Furtado, A. R.** A propósito de uma epidemia de tinha no Rio de Janeiro, causada pelo Trichophyton mentagrophytes (Ch. Robin, 1853) Blanchard, 1896. Mem. Inst. Oswaldo Cruz, 1947, **45**: 407–40.—**Georg, L. K., & Maechling, E. H.** Trichophyton mentagrophytes, variety nodular, a mutant with brilliant orange-red pigment isolated in nine cases of ringworm of the skin and nails. J. Invest. Derm., 1949, **13**: 339–50, illust.—**Ghosh, L. M., Dey, N. C., & Panja, D.** Studies of ringworm; incidence of Trichophyton gypseum in India. Ind. M. Gaz., 1947, **82**: 73–5, pl.—**Grigoraki, L., & David, R.** Caractères bio-chimiques de Microsporum gypseum, Bodin, 1907. C. rend. Soc. biol., 1939, **132**: 448–50.—**Härö, A. S.** Un cas de Sabouraudites gypseum en Finlande. Ann. med. exp. biol. fenn., 1949, **27**: 134–6.—**Hagan, W. A.** Trichophyton mentagrophytes; synonyms, Ectotrichophyton mentagrophytes; Trichophyton gypseum; Trichophyton asteroides. In his Infect. Dis. Domest. Animals, Ithaca, 1943, 361.—**Herrick, J. A.** Effects of gliotoxin on Trichophyton gypseum. Ohio J. Sc., 1945, **45**: 45.—**Lecoulant, P.** Kérion de Celse du à Microsporon gypseum atypique. Ann. derm. syph., Par., 1937, 7. ser., **8**: 638–46.—**Mandels, G. R., & Shotts, H. G.** Amino acids of wool keratin in the nutrition of Microsporum gypseum. Am. J. Bot., 1947, **34**: 594.—**Marcussen, P. V.** Laboratory mice as a cause of trichophyton epidemics (Trichophyton gypseum asteroides) Acta derm. vener., Stockh., 1942–43, **23**: 394.—**Page, R. M.** Studies on keratin digestion by Microsporum gypseum. Am. J. Bot., 1947, **34**: 595.—**Peck, S. M., & Li, K. K.** Factors in amorphous penicillin G influencing growth of fungi; effect on elaboration of trichophytin by Trichophyton gypseum. Arch. Derm. Syph., Chic., 1949, **59**: 498–505.—**Petges, G., & Le Coulant, P.** Le Microsporon gypseum burdigalense, nouvel agent d'une microsporie des parties glabres. J. méd. Bordeaux, 1935, **112**: 462–5.—**Robbins, W. J., & McVeigh, I.** Effect of hydroxyproline on Trichophyton mentagrophytes and other fungi. Am. J. Bot., 1946, **33**: 638–47. ——— The dual phenomenon and Trichophyton mentagrophytes. Mycologia, Lanc., 1949, **41**: 128–40.—**Tesauro, S.** Considerazioni cliniche su di un caso non comune di microbide da Trichophyton gypseum asteroides. Gazz. osp., 1939, **60**: 755–61.

—— minutissimum [1859 Burchard]

See also **Actinomyces**, in 5. ser.

Hoffmann, E. Ueber eine einfache Schnellfärbung von Hautpilzen (Microsporon minutissimum) in Schuppen und Abklatschpräparaten solcher. Derm. Zschr., 1938, **78**: 379–83.

—— muris [1857 Gluge]

See under **Achorion.**

—— persicolor [1928 Guiart]

See under **Epidermophyton.**

—— pseudo-umbonatum [1949 Sartory]

Sartory, A., Sartory, R. [et al.] Un nouveau Microsporum parasite de la peau, Microsporum pseudo-umbonatum. C. rend. Acad. sc., 1949, **229**: 138–40.

—— quinckeanum [1928 Guiart]

See under **Achorion.**

—— radiatum [1925 Thompson]

See M. felineum.

—— radiolatum [1928 Guiart]

Syn.: Trichophyton gypseum var. radiolatum; Trichophyton r. See also M. mentagrophytes; also in 5. ser., **Ectotrichophyton.**

Catanei, A. Résultats d'inoculation de cultures de Trichophyton radiolatum dans l'organisme de cobayes dont on scarifie la peau. C. rend. Soc. biol., 1932, **109**: 886.—**Duché, J.** Fréquence du Trichophyton radiolatum dans les épidermomycoses dyshidrosiformes des pieds. Bull. Soc. fr. derm. syph., 1932, **39**: 160.—**Gougerot, Duché & Ganot.** Eczéma et mycoses; Trichophyton radiolatum et champignon indeterminé. Ibid., 158–60.

—— sapporense [1934 Takahasi]

Takahasi, S. Dôbutu-kisei-sei syô-gahô-kin no iti sin-syu ni tuite [Ueber eine neue Art von tierischem Microsporon, Microsporon sapporense, Sabouraudites sapporensis] Jap. J. Derm. Urol., 1934, **36**: 261–6.

—— scorteum [1914 Priestley]

Syn.: Ectotrichophyton s. (1935 Dodge)

Priestley, H. Microsporon scorteum (n. sp.) from a case of ringworm in man. Ann. Trop. M. Parasit., Liverp., 1914–15, **8**: 113–8, pl.

—— simplex [1913 Cazalbou]

Cazalbou, L. Note sur le Microsporon simplex, n. sp., et sur les Microsporon à culture glabre. Bull. Soc. centr. méd. vét., Par., 1913, **90**: 227–35.

—— stilliansi [1937 Benedek]

Benedek, T. On a new species of the genus Microsporum, Microsporum stilliansi Benedek, 1937, n. sp., with special consideration of the phenomenon of dissociation in fungi imperfecti. J. Trop. M. Hyg., Lond., 1938, **41**: 114–8, 4 pl.

—— tropicum [1905 Castellani]

See under **Malassezia.**

—— xanthodes [1918 Fischer]

Syn.: Aleurocloster x.

Fischer, W. Sycosis parasitaria durch ein neues Mikrosporon vom Tiertyp (M. xanthodes) Derm. Wschr., 1918, **66**: 241–7.

MICROSTAT.

See also **Electrotherapy**; **Microscope** subdivisions (Accessories; Stage)

Ranschburg, P. Mikrostat, egyetemleges kézi kapcsolókészülék a villamosság orvosi alkalmazásának czéljaira. [... a universal switch for medical application of the electric current] Orv. hetil., 1912, **56**: 844–6.

MICROSTETHOSCOPE.

See under **Stethoscope.**

MICROSTOMIA.

See under **Mouth.**

MICROSTOMUM.

See also **Turbellaria.**

Stirewalt, A. Preliminary report on the handling of certain inclusions by Microstomum. Proc. Virginia Acad. Sc., 1935–36, 45.

MICROSTROMA [1861 Niessl]

See also **Fungi**, pathogenic; **Juglandaceae.**

Maire, R. La structure et la position systématique des Microstroma et Helostroma. Rec. jubilé sc. Prof. Le Monnier, Nancy, 1913, 131–40.

MICROSTRONGYLUS.

See also **Trichostrongylus.**

Cameron, T. W. M. On Microstrongylus genettae, g. and sp. nov., a trichostrongyle parasite of Genetta senegalensis. J. Helminth., Lond., 1927, **5**: 81–8.

MICROSUBLIMATION.

See also **Microchemistry**; **Sublimation.**

Mládek, A. [Microsublimation] Cas. lék. česk., 1924, **63**: 886–9.

MICROSURGERY.

See **Micrurgy.**

MICROSWINGING.

See also **Ataxia**; **Tremor**; also such terms as **Aviator**, Test; **Equilibrium**; **Muscle**, Electrophysiology; **Myography**, etc.

Fisher, M. B., Birren, J. E., & Leggett, A. L. Standardization of two tests of equilibrium; the railwalking test and the ataxiagraph. J. Exp. Psychol., 1945, **35**: 321–9.—**Rohracher, H.** Ueber eine ständig vorhandene Mikroschwingung des menschlichen Körpers. Klin. Med., Wien, 1947, **2**: 939.

Also Wien. klin. Wschr., 1947, **59**: 456.—**Travis, R. C.** A new stabilometer for studying dynamic equilibrium in the standing position. Psychol. Bull., 1944, **41**: 586.

MICROSYNTHESIS.

See also **Microchemistry; Synthesis, chemical; Trace element;** also such terms as **Radiochemistry,** etc.

Foreman, W. W., Murray, A., III, & Ronzio, A. R. Microsyntheses with tracer elements; methyldi-(beta-chloroethyl) amine hydrochloride (nitrogen mustard) and methyl bromide labeled with C^{14}. J. Org. Chem., 1950, **15**: 119–22.—**Spoehr, H. A., Smith, J. H. C.** [et al.] The synthesis of organic matter by Chlorella cells. Yearb. Carnegie Inst. Washington, 1946–47, No. 46, 93.

MICROTAENIELLA.

See also **Gregarinina.**

Calkins, G. N. Microtaeniella clymenellae, a new genus and new species of colonial gregarines. Biol. Bull., 1915, **29**: 46-9.—**Poche, F.** Die Verwandtschaftsbeziehungen der vermeintlichen Gregarine Microtaeniella clymenellae Calk. Arch. Protistenk., 1916, **37**: 6–14.

MICROTECHNIC.

See also **Microchemistry; Micromanipulation; Microscopy** subdivisions (Method; Technic) also **Micrurgy; Nuclear physics; Radiochemistry; Trace element,** etc.

Adams microtechnic system. Gradwohl Laborat. Digest, 1940–41, **4**: No. 5, 2.—**Bessey, O. A.** Micro methods, their use in surveys and education. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1944–45, **4**: 271–4.—**Browaeys, J.** Essai de micromanipulation chimique colorimétrique (salicylate, sulfamides) Ann. Inst. Pasteur, Par., 1946, **72**: 149–53.—**Hirschler, J.** Ein Deckglashalter aus Glas. Zschr. wiss. Mikr., 1941–42, **58**: 148–50.—**Klein, B. M.** Mehrschichtentransparente für raumkörperliche Darstellungen. Ibid., 5–13.—**Kögel, G.** Die expansive Umrandung. Ibid., 1–4, pl.—**Nordenskiöld, E.** Microscopics and microtechnology. In his Hist. Biol., N. Y., 1928, 158–73.—**Queen, F. B.** The permanent preservation of stained and unstained blood films and bacterial smears by paraffin coating. Am. J. Clin. Path., Techn. Sect., 1943, **7**: 50.—**Reid, W. M.** A simple technique for the transfer of small objects. Tr. Am. Micr. Soc., 1943, **62**: 423.—**Schneider, H.** Mikrotechnische Mitteilungen. Zschr. wiss. Mikr., 1916–17, **33**: 248–51.—**Shaw, W. R.** Some microtechnical methods and devices. Philippine J. Sc., 1918, **13**: Sec. C, 241–61.—**Turchini, J.** Un nouveau moyen d'investigations physique appliqué à histologie; la radiographie histologique. Schweiz. Zschr. Path. Bakt., 1942, **5**: 137–49.—**Wilhelm, S. K.** A brief discussion of microtechnique. J. Wayne Univ. Coll. Med., 1939–40, **3**: No. 3, 6–9.

MICROTELERADIOGRAPHY.

See also **Microradiography; Radiography,** Teleradiography.

Simonetti, C. Microteleradiografia. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1943, **2**: No. 4, 140.

MICROTHERM.

See under **Microwave.**

MICROTHERMOMETRY [incl. microcalorimetry]

See also **Calorimeter; Calorimetry; Heat,** Measurement: Instruments; **Thermocouple; Thermopile.**

Blaschko, H. Mikrocalorimetrie. In: Fermente (Oppenheimer, C.) Lpz., 5. Aufl., 1929, **3**: 688–99.—**Gucker, F. T., jr, Pickard, H. B., & Planck, R. W.** A new microcalorimeter; the heats of dilution of aqueous solutions of sucrose at 20° and 30° and their heat capacities at 25° J. Am. Chem. Soc., 1939, **61**: 459–70.—**Ivlev, V. S.** Eine Mikromethode zur Bestimmung des Kaloriengehalts von Nährstoffen. Biochem. Zschr., 1934–35, **275**: 49–55.—**Jones, R. C.** The absolute sensitivity of existing heat detectors. J. Optic. Soc. America, 1948, **38**: 1099.—**Knoppers, A. T.** An apparatus for electrical thermometry based on the compensation principle and allowing temperature readings in tenths of centigrades. Acta brevia neerl., 1942, **12**: 90.—**Mason, L. S.** A thermopile for microcalorimetry. Rev. Sc. Instrum., 1944, **15**: 205–7.—**Microcalorimetry.** Europ. Sc. Notes, 1949, **3**: 159.—**Sanielevici, A.** Sur un microcalorimètre adiabatique non isotherme pour l'étude des effets thermiques de corps radioactifs. J. chim. phys., Par., 1933, **30**: 513–27.—**Stull, D. R.** A semi-micro calorimeter for measuring heat capacities at low temperatures. J Am. Chem. Soc., 1937, **59**: 2726–33.—**Szalay, A., & Jeney, A.** Ein Differentialmikrokalorimeter für biologische Untersuchungen. Zschr. Immunforsch., 1943, **104**: 474–81.—**Tamiya, H., & Yamamoto, A.** Ueber ein neues Mikrokalorimeter zur Messung der Wärmeabgabe von Schimmelpilzkultur. Stud. Tokugawa Inst., 1934–35, **3**: H. 1, Art. 4, 245–63.

MICROTHYRIACEAE.

See also **Fungi.**

Theissen, F. Ueber Membranstructuren bei den Microthyriaceen als Grundlage für den Ausbau der Hemisphaeriales. Mycol. Zbl., 1913, **3**: 273–85; pl.

MICROTIA.

See **Ear (External)** Abnormity.

MICROTITRATION.

See also **Buret; Microchemistry** subdivisions; **Micropipette; Microvolumetry; Titration; Volumetry.**

Catch, J. R., Cook, A. H., & Kitchener, J. A. Apparatus for microtitrations with a glass electrode. J. Chem. Soc., Lond., 1945, 319.—**Claff, C. L.** Magnetic-flea agitating device for microtitration. Science, 1948, **108**: 67.—**Clark, W. G., Levitan, N. I.** [et al.] Titrimetric microdetermination of chloride, sodium, and potassium in a single tissue or blood sample. J. Biol. Chem., 1942, **145**: 85–100.—**Dallemagne, M. J.** Une ultramicroburette destinée aux mesures de très petites quantités de liquide. Bull. Soc. chim. biol., Par., 1941, **23**: 321–6.—**Frahm, H.** Ueber massanalytische Submikromethodik. Zbl. Bakt., 1. Abt., Orig., 1947–48, **152**: 253–8.—**Heatley, N. G.** An easily made microburette. Mikrochemie, Wien, 1939, **26**: 147–9.—**Johnson, D. L., & Shrewsbury, C. L.** An improved mercury control for capillary burettes. Ibid., 143–6.—**King, E. S., & Chastain, L. L.** A simple and inexpensive microtitration apparatus, especially useful for titrating culture media. J Laborat. Clin. M., 1940–41, **26**: 1375.—**Levatinsky, P.** A stirring device for use in microtitrations. Ibid., 1937–38, **23**: 532.—**Mika, J.** Ueber die zu elektrometrischen Mikrotitrationen geeigneten Büretten. Mikrochemie, Wien, 1938, **25**: 109–23.—**Nagel, R. H.** A micro-titrimetric dry combustion method for carbon; a modified titration vessel. Ibid., 1939, **26**: 22–4.

MICROTOME.

See also **Microsection; Microtome knife; Microtomy.**

RICHARDS, O. W. The effective use and proper care of the microtome. 88p. 19½cm. Buffalo, 1942.

Boeke, J. Ueber ein verbessertes Rocking-Microtome. Zschr. wiss. Mikr., 1909, **26**: 242–55.—**Broek, A. J. P. v. d.** Ein einfaches Mikrotom für Serienschnitten. Ibid., 1907, **24**: 268–74.—**Chinoy, J. J.** A simple inexpensive hand-microtome. Current Sc., Bangalore, 1947, **16**: 24.—**Cooke, H.** The handitome; a simple device for cutting sections. J. Am. M. Ass., 1928, **90**: 456.—**Courteville, H.** Les microtomes pour coupes dans la moelle de sureau. Bull. Soc. fr. micr., 1935, **4**: 132–7.—**Crooks, D. M.** The use of a translongitome in making and interpreting alternate transverse and longitudinal serial sections. Chron. bot., Leiden, 1939, **5**: 440–2.—**Hassak, K.** Neue Mikrotome. Zschr. angew. Mikr., 1907, **13**: 1–6.—**Haupt, C.** Die Selbstanfertigung eines Mikrotoms. Mikrokosmos, Stuttg., 1913–14, **7**: 197–9.—**Henneberg.** Neues Mikrotom von Leitz. Zschr. wiss. Mikr., 1905, **22**: 125–30.—**Hintzsche, E.** Krájení mikrotomem a jeho vývoj. Měsíč. Ciba, 1948, 150–2.—**Okajima, K.** Ein neuer Beschneiderritzer für die plastische Rekonstruktion. Anat. Anz., 1922, **55**: 199–201.—**Romeis, B.** Das Mikrotom. In his Mikrosk. Techn., 15. Aufl., Münch., 1948, 114–25.—**Sachariew, G.** Das Transplantationsmikrotom, eine neue Apparatur zur Erzielung gleichmässig dicker Epidermis- und Cutistransplantate. Chirurg, 1943, **15**: 94–6.—**Stadie, W. C., & Riggs, B. C.** Microtome for the preparation of tissue slices for metabolic studies of surviving tissues in vitro. J. Biol. Chem., 1944, **154**: 687–90.—**Téllez, H.** Dos nuevos tipos de micrótomos. Tr. Soc. biol., Barcel., 1918, **6**: 245–78.—**Vonwiller, P.** Microtome pour surfaces cylindriques, coniques et sphériques. C. rend. Ass. anat., 1925, **20**: 414.—**Weigert, C.** Ein neues Tauchmikrotom, besonders für grosse Schnitte (1885) In his Gesamt. Abh., Berl., 1906, **2**: 714–9.

—— Accessories.

See also **Microtomy,** Accessories; also **Grafting,** cutaneous: Methods; **Plastic surgery,** Instruments.

Crozant, L. de. Dispositif permettant d'exécuter avec le microtome Lelong des coupes d'objets inclus dans la paraffine. Bull. Soc. fr. micr., 1938, **7**: 50–3.—**Hance, R. T.** A simple paraffin ribbon winder. Anat. Rec., 1916, **10**: 523-6.—**Henneberg.** Hilfsapparate zum Mikrotom. Zschr. wiss. Mikr., 1907, **24**: 274–7.—**Hirschler, J.** Einfache Kuhlvorrichtung am

Thermostat und am Mikrotom. Ibid., 1941–42, **58**: 150–4.—**Popp, W. H., & MacDonald, G. S.** Object clamp for microtomes, etc. U. S. Patent Off., 1940, No. 2,212,953.

—— freezing.

See also **Histology, Methods; Microtomy, Embedding media.**

Anders, M. V. An inexpensive apparatus for cutting tissue sections on the sliding microtome by the dry ice method. Stain Techn., 1942, **17**: 85–7.—**Bulliard, H., & Grundland, I.** Emploi de l'air liquide pour la congélation avec le microtome à paraffine, type Minot. Bull. histol. appl., Lyon, 1949, **26**: 111.—**Burfitt, N. E.** A technique for the cutting of frozen sections with the Cambridge rocking microtome. J. Path. Bact., Lond., 1944, **56**: 443–5.—**Dry (A) ice attachment for a microtome.** Laboratory, Pittsb., 1940, **11**: 86.—**Fallon, J.** Reserve carbon dioxide supply for the freezing microtome. Am. J. Clin. Path., Techn. Sect., 1941, **5**: 125.—**Harman, N. B.** An accessory for freezing microtomes. Lancet, Lond., 1905, **1**: 1505.—**Krause, R.** Eine neue Gefrier- und Kühlvorrichtung für das Mikrotom. Zschr. wiss. Mikr., 1908, **25**: 289-300.—**Mason, W.** Apparatus for cutting frozen sections on the rocking microtome. J. Techn. Meth., Toronto, 1939, **19**: 86–8.—**Nageotte, J.** Nouveau microtome universel appareil à congélation pour les grandes coupes. Tr. Laborat. histol. Coll. France (1908–09) 1910, 163–5. Also C. rend. Soc. biol., 1909, **67**: 503–5.—**Nickerson, M.** A dry ice freezing unit for rotary microtomes. Science, 1944, **100**: 177.—**Roberts, N.** A freezing microtome. Mil. Surgeon, 1910, **26**: 396–8.—**Rounseville, W. E.** A simple freezing microtome stage. Yale M. J., 1909–10, **16**: 382–5.—**Sobolev, L. W.** Ueber das Studenten-Gefriermikrotom der Firma Sartorius-Göttingen. Zschr. wiss. Mikr., 1911–12, **28**: 448–50.—**Tellez, H.** Appareil portatif pour coupes par congélation. C. rend. Soc. biol., 1920, **83**: 1284.

—— History.

See also **Microscopy, History.**

Fox, H. M. Origin of the automatic microtome. Nature, Lond., 1941, **148**: 727.—**Hintzsche, E.** Bases prévias e desenvolvimento da microtomia. Actas Ciba, Rio, 1944, **11**: 198–201. Also Ciba tschr., Basel, 1947, 918–20.—**Klaauw, C. J. v. d.** [Old microtomes in the Leiden Museum of Natural Sciences] Ned. tschr. geneesk., 1934, **78**: 4549–57, pl.—**Minot, C. S.** The history of the microtome. J. Appl. Micr., 1903, **6**: 2157; passim. —— The history of the microtome. N. York Physician, 1939, **12**: No. 1, 24; passim.—**Threlfall, R.** The origin of the automatic microtome. Biol. Rev. Cambridge Philos. Soc., 1930, **5**: 357–61.

—— Patent descriptions.

Bausch, E. Microtome. U. S. Patent Off., 1939, No. 2,155,523.—**Hardy, J. I.** Device for rapidly making cross sections of fibers. Ibid., 1936, No. 2,048,335.—**Johnson, H. R.** Microtome and electrostatic dispersal apparatus therefor. Ibid., 1949, No. 2,473,753.—**Richards, O. W.** Microtome. Ibid., 1942, No. 2,292,973.—**Rupp, J. J., & Kosobud, O.,** jr. A simple microtome for use aboard ship. U. S. Nav. M. Bull., 1946, **46**: 441–3.

—— rotary.

Cowles, R. P., & Richards, O. W. The Pfeifer and Minot automatic rotary microtomes. Tr. Am. Micr. Soc., 1947, **66**: 379–82.—**Ladd, W. A.** Microtome with rotating cutter and specimen feed-mechanism supported therewith. U. S. Patent Off., 1949, No. 2,482,853.—**Triepel, H.** Ein Zylinder-Rotations-Mikrotom. Zschr. wiss. Mikr., 1905, **22**: 118–25. Also Deut. med. Wschr., 1905, **31**: 1484.—**Voigt, R.** Die Kreismessermethode, ein neues Verfahren zum Schneiden tierischer und pflanzlicher Stoffe. Zschr. physiol. Chem., 1944, **281**: 1–6.—**Vonwiller, P., & Löw, W.** Das Kreisschnittmikrotom und die Mikrotomie regelmässig gewölbter, zylinder-, kegelmantel- und kugelschalenförmiger Körper. Zschr. wiss. Mikr., 1926, **43**: 215–33.—**Wolff, M.** Ueber ein neues kleines Minot-Mikrotom, das noch für feinste histologische und embryologische Arbeiten ausreicht. Ibid., 1909, **26**: 84–104.

—— sliding.

Autrevaux, Y. d'. Modifications apportées au microtome à celloïdine de Nageotte. Bull. Soc. opht. Paris, 1926, 311.—**Duckworth.** New sliding microtome. Brit. M. J., 1910, **2**: 792.—**Frazer, A.** Frazer's sliding microtome. Proc. Scot. Micr. Soc., 1890–95, **1**: 211.—**Micrôtomo** com carro de deslizamento, da casa E. Leitz [Illust.] Actas Ciba, Rio, 1944, **11**: 200.

—— Ultramicrotome.

Fullam, E. F., & Gessler, A. E. A high speed microtome for the electron microscope. Rev. Sc. Instrum., 1946, **17**: 23–35.—**O'Brien, H. C., & McKinley, G. M.** New microtome and sectioning method for electron microscopy. Science, 1943, **98**: 455.

—— vertical.

Radais, M. Microtome à chariot vertical et sans glissière. Arch. zool. exp., Par., 1903, 4. ser., **1**: p. lxv–lxxvi.

MICROTOME knife.

See also **Microtome; Microtomy.**

Duffield, J. W. Temperature control for microtome knives. Stain Techn., 1941, **16**: 123.—**Heard, O. O.** Microtomy with a reciprocating circular knife and a mechanism for sharpening the knife. Rev. Sc. Instrum., 1946, **17**: 227–32.—**Kisser, J.** Methoden zur Bestimmung der Winkelgrössen an Mikrotommessern. Zschr. wiss. Mikr., 1927, **44**: 452–9.—**Notice** in regard to microtome knives. U. S. Nav. M. Bull., 1936, **34**: 398.

—— Guard and holder.

Bablik, C. Eine Schutzvorrichtung an Mikrotommessern. Zschr. wiss. Mikr., 1934, **51**: 250.—**Huettner, A. F.** Safety microtome knife holder. U. S. Patent Off., 1935, No. 1,998,428.—**Krautman, B.** A microtome knife-guard. Am. J. Clin. Path., Techn. Sect., 1945, **9**: 79–82.—**MacDonald, G. S.** Microtome blade holder. U. S. Patent Off., 1941, No. 2,232,008.—**Ott, H. N.** Knife holder for microtomes. Ibid., 1948, No. 2,439,671.

—— Sharpening.

Crozant, L. de. Affûtage des rasoirs de microscopie; méthode des stries croisées. Bull. Soc. fr. micr., 1939, **8**: 121–6.—**Culbertson, C. G.** A simple sharpener for microtome blades. Am. J. Clin. Path., Techn. Sect., 1946, **10**: 97–100.—**Evenden, W., & Schuster, C. E.** A new sharpening back and procedure of sharpening for microtome knives. Stain Techn., 1939, **14**: 69–71.—**Funck, C.** A propos de l'aiguisage des rasoirs à microtome. C. rend. Ass. anat., 1909, **11**: 294. —— Méthode et appareil facilitant l'aiguisage des rasoirs à microtome. Zschr. wiss. Mikr., 1910, **27**: 75–91.—**G., M. J.** Stropping machine for microtome knives. Anat. Rec., 1915, **9**: 26–8.—**Hartman, F. W.,** jr, **& Hartman, F. W.** Improved mechanical microtome knife sharpener. Proc. Soc. Exp. Biol., N. Y., 1942, **49**: 167–9.—**Johnston, F. J.** A rapid glass plate method for sharpening microtome knives. Canad. J. M. Techn., 1948, **10**: 157–62.—**Kisser, J.** Die Art des Schliffes der Mikrotommesser und ihre Zurichtung für dünnste Schnitte. Zschr. wiss. Mikr., 1926, **43**: 361–70.—**Pritchard, J. E.** An inexpensive, easily constructed mechanical microtome knife sharpener. Bull. Internat. Ass. M. Mus., Montreal, 1934, No. 13, 88–92.—**Putnam, T. J.** A simple automatic sharpener for microtome knives. J. Laborat. Clin. M., 1933, **19**: 199–202.—**Rice, W. G.** An improvised microtome knife sharpener. Am. J. Clin. Path., 1949, **19**: 1089.—**Sugiura, H.** Faster sharpening of microtome knives by the use of alumina-dreft suspension. Science, 1948, **107**: 524.—**Two** new strops for microtome knives. Laboratory, Pittsb., 1939, **10**: 18.—**Uber, F. M.** Microtome knife sharpeners operating on the abrasive-ground glass principle. Stain Techn., 1936, **11**: 93–8.—**Walsem, G. C. v.** Ueber das Schleifen der Mikrotommesser auf dem Rasiermesserschleifapparat Pandora. Zschr. wiss. Mikr., 1933, **50**: 177–9.

—— Substitutes.

Feder, J. M. Adaptation of the Rolls razor to a new type of microtome blade. J. Laborat. Clin. M., 1939–40, **25**: 202–4.—**Moon, V. H.** A safety razor blade as a microtome knife. Tr. Chicago Path. Soc., 1913, **9**: 46.—**Nelson, I. A.** The use of razor blades for tissue sectioning. J. Laborat. Clin. M., 1934–35, **20**: 956.—**Terry, B. T.** An inexpensive, easily made, safety razor blade microtome with technic especially useful in the immediate microscopic diagnosis of tissue. Am. J. Clin. Path., 1937, **7**: No. 6, Suppl., 69–87.

MICROTOMY.

See also **Microtome; Microtome knife;** also such terms as **Grafting,** cutaneous: **Methods; Microsection; Microtechnic; Micrurgy.**

CLAYDEN, E. C. Practical section cutting and staining. 129p. 21cm. Lond., 1948.

LEE, A. B. The microtomist's vade-mecum. 5. ed. 432p. 22½cm. Phila., 1903.

Duckworth, W. L. H. Note on some anatomical specimens of anthropological interest, prepared by means of the new microtome of the Cambridge Scientific Instrument Company. Rep. Brit. Ass. Advance. Sc. (1910) 1911, **80**: 729.—**Richards, O. W.** Microtomy. In: Med. Physics (Glasser, O.) Chic., 1944, 750–9.

—— Accessories.

See also **Microtome,** Accessories.

Book, M. H. An inexpensive trimmer for paraffin blocks. Stain Techn., 1943, **18**: 25.—**Conger, M. E.** Paraffin tissue-block trimmer. Am. J. Clin. Path., 1949, **19**: 1070.—**Milligan, M.** An instrument to level tissue in paraffin embedding. Ibid., 897.—**Rhorer, A.** A steel paraffin embedding boat. Ibid., Techn. Sect., 1943, **7**: 40.—**Waterman, F. A.** An improved trimmer for paraffin blocks. Stain Techn., 1941, **16**: 59–61.—**Wilson, R. A. J.** A combination cork-paraffin tissue trimming board. Am. J. Clin. Path., Techn. Sect., 1944, **8**: 17

—— celloidin.

See also **Celloidin.**

Feeney, J. F., jr. The rapid preparation of celloidin serial sections following India ink injections. Stain Techn., 1944, **19**: 137–40.—**Fowler, E. P., jr.** A method for serial sections in celloidin. J. Laborat. Clin. M., 1928–29, **14**: 1103–5.—**Fresemann Viëtor, E. J.** Glas als Material zum Aufkleben von Präparaten für das Celloidin-Mikrotom. Zbl. allg. Path., 1907, **18**: 435.—**Walls, G. L.** A rapid celloidin method for the rotary microtome. Stain Techn., 1936, **11**: 89–92.

—— combined.

See also **Embedding,** celloidin-paraffin.

Thomlinson, B. C. Combined frozen and paraffin method for rapid sections. Arch. Path., Chic., 1942, **33**: 935. Also Canad. J. M. Techn., 1943, **5**: 74.

—— Embedding media.

See also **Embedding; Histology,** Methods; **Microscopy,** Specimen preparation; **Mounting medium;** also under names of embedding media as **Celloidin; Paraffin,** etc.

Andreassi, G. L'uso del metilbenzoato-celloidina nel procedimento della inclusione; nota di tecnica istologica. Ricer. morf., 1940, **18**: 509–13.—**Auger, C., Bonenfant, J. L., & St Maurice.** A rapid paraffin inclusion method for small tissue fragments. Canad. J. M. Techn., 1948, **10**: 60–2.—**Aurell, G.** Ueber ein neues Einschlussmittel für sehr dicke mikroskopische Schnitte nebst einer Untersuchung über die Brechzahl verschiedener fixierten Organe einiger Wirbeltiere. Zschr. wiss. Mikr., 1941–42, **58**: 113–21, pl.—**Bänder.** Bericht über eine Schnelleinbettungsmethode für Paraffinschnitte. Med. Klin., Berl., 1949, **44**: 746.—**Banny, T. M., & Clark, G.** A simplified method for the double embedding of tissue. Stain Techn., 1949, **24**: 223.—**Bauer, F. R.** Ueber ein neues Pyridin-Zelloidin-Einbettungsverfahren. Zschr. wiss. Mikr., 1941–42, **58**: 44.—**Bell, A. W.** On paraffin embedding. Science, 1948, **107**: 166.—**Chesterman, W., & Leach, E. H.** Low viscosity nitrocellulose for embedding tissues. Q. J. Micr. Sc., Lond., 1949, **90**: 431–4.—**Dempster, W. T.** Properties of paraffin relating to microtechnique. Papers Michigan Acad. Sc. (1943) 1944, **29**: 251–64, pl.—**Faragó, J.** Parafina para impregnação e inclusão histológica; uma fórmula com 10 anos de uso. Arq. biol., S. Paulo, 1947, **31**: 22.—**Foster, A. S., & Gifford, E. M., jr.** Improvements in the paraffin method. Stain Techn., 1947, **22**: 129–31.—**Hirschler, J.** Ein Paraffineinbettungsverfahren für kleine Objekte. Zschr. wiss. Mikr., 1941–42, **58**: 143–5.—**Khau-van-Kien, L., & Sentein, P.** Sur une nouvelle technique d'inclusion par la méthylsalicylate de celloïdine. Bull. histol. appl., Lyon, 1948, **25**: 137.—**Koch, W.** Preparing paraffin for imbedding purposes. J. Laborat. Clin. M., 1941–42, **27**: 932.—**Policard, A.** Les recherches de Dempster sur les conditions physiques intervenant dans l'inclusion à la paraffine. Bull. histol. appl., Lyon, 1946, **23**: 35–9.—**Popham, R. A.** The importance of controlling cooling temperatures during embedding in paraffin. Science, 1947, **106**: 475.—**Seki, M.** Untersuchungen mit nichtwässerigen Flüssigkeiten; Erfahrungen auf dem Gebiete der Celloidineinbettung. Zschr. Zellforsch., 1937, **26**: 338–50.—**Steedman, H. F.** Ester wax; a new embedding medium. Q. J. Micr. Sc., Lond., 1947, **88**: 123–33.—**Stern, I. B.** Modifikaciia metoda Bilshovskogo dlia celloidinovogo materiala. Arkh. pat., Moskva, 1949, **11**: No. 5, 83–5, illust.—**Zach, O.** Die naturgemässe Zelloidin-Einbettung. Zschr. wiss. Mikr., 1938, **55**: 299–307.

—— Frozen section technic.

See also **Histology,** Methods; **Microtome,** freezing.

Adamstone, F. B., & Taylor, A. B. A method for the rapid preparation of frozen tissue sections. Anat. Rec., 1947, **99**: 639. ——— The rapid preparation of frozen tissue sections. Stain Techn., 1948, **23**: 109–16.—**Boy, J.** Procédé permettant de faire facilement des coupes fines d'histologie par congélation. Ann. biol. clin., Par., 1947, **5**: 424.—**Dunn, F. L.** The use of solid carbon dioxide (dry-ice) in the freezing of tissues for microtome sectioning. J. Laborat. Clin. M., 1930–31, **16**: 627.—**Evenden, W., & Schuster, C. E.** The use of agar as a matrix for sectioning plant material with the freezing microtome. Stain Techn., 1938, **13**: 145.—**Frey, E.** Eine Methode zur Darstellung von lückenlosen Gefrierschnittserien. Schweiz. med. Wschr., 1943, **73**: 1265.—**Gersh, I.** Application in pathology of the method of fixation by freezing and drying of tissues. Bull. Internat. Ass. M. Mus., Montreal, 1948, **28**: 179–85.—**Gradwohl, R. B. H., & Krajian, A. A.** The frozen section method of tissue diagnosis; the method of choice. Laborat. Digest, S. Louis, 1943–44, 7: No. 10, 2–7.—**Hartz, P. H.** Frozen sections from Bouin-fixed material in histopathology. Stain Techn., 1945, **20**: 113.—**Hazard, J. B., & Stevenson, G. F.** A frozen section technic. Am. J. Clin. Path., 1949, **19**: 873–9.—**Hildebrand, E., & Cheatle, E. L.** Frozen sections. Ibid., Techn. Sect., 1946, **10**: 69.—**Hino, M.** Ueber die Proteasenwirkungen der Gefrierschnitte der Gewebe; vergleichende Beobachtungen über die Proteasenwirkungen der Gefrierschnitte mit derjenigen der Mazeration und des Trockenpräparats der verschiedenen Organe. Tohoku J. Exp. M., 1944. **47**: 165–74.—**Hoerr, N. L., & Scott, G. H.** Frozen-dehydration method for histologic fixation. In: Med. Physics (Glasser, O.) Chic., 1944, 466–8.—**Krajian, A. A.** Frozen section method for preparation of permanent tissue sections. Am. J. Clin. Path., Techn. Sect., 1940, **4**: 82–8.—**Taft, E. B.** An evaluation of the Adamstone-Taylor frozen section technic for use in routine surgical pathology. Am. J. Path., 1949, 25: 824.—**Taylor, A. C.** Apparatus for the freezing-drying of tissues for storage. J. Laborat. Clin. M., 1944, **29**: 657–63.—**Wang, K. J., & Grossmann, M. I.** A simplified vacuum dehydration technique for the preparation of sections by freezing-drying. Ibid., 1949, **34**: 292–6.—**Willis, B. C.** The importance of a positive diagnosis in surgery by means of frozen sections. Tr. M. Soc. Virginia, 1911, **42**: 114–6.—**Wilson, D. C.** A rapid frozen section method. Canad. J. M. Techn., 1944, **6**: 6–8.

—— Mechanics.

Dempster, W. T. The mechanics of microtome sectioning. Anat. Rec., 1941, **79**: Suppl. No. 2, 18. ——— Distortions due to the sliding microtome. Ibid., 1942, **84**: 269–74.—**Fernandez, M.** Fehlerhafte Schnittdickenangabe bei Mikrotomen mit schiefer Ebene. Anat. Anz., 1912, **40**: 549.—**Graf, W.** The microtome as an error-producing factor in quantitative histological investigations. Acta anat., Basel, 1948, **6**: 141–4.—**John, K.** Ueber die Konstanz der Schnittdicke beim Schneiden mit dem Mikrotom. Zschr. wiss. Mikr., 1929, **46**: 201–14.—**Löw, W.** Ueber den ziehenden Schnitt, das bogenförmige Messer und das scheibenförmige Rotationsmesser und dergleichen nicht ganz neue Probleme. Ibid., 1931, **48**: 343–53.—**Walsem, G. C. v.** Ueber die Limit-Dicke der Schnitte und den Mechanismus der Schnittbildung. Ibid., 1929, **46**: 352–8, pl.

—— Orientation of objects.

See also **Embedding.**

Buck, J. B. A device for orienting and embedding minute objects. Stain Techn., 1938, **13**: 65–8.—**Francis, T.** Methode zur Orientierung der in Paraffin eingebetteten Objekte. Acta path. microb. scand., 1940, **17**: 100–3.—**Overgaard, C.** A simple method for orientating small objects for sectioning, with special regard to nematodes. Q. J. Micr. Sc., Lond., 1948, **89**: 437.—**Wilson, D. P.** An improved method of orientating minute specimens for section cutting. J. R. Micr. Soc., Lond., 1933, **53**: 220–6.

—— paraffin.

See also **Histology,** Methods; **Paraffin;** also other subdivisions (Embedding media; Technic)

Aigner, M. Fehlerfreier Anschnitt bei kleinen, wertvollen, in Paraffin eingebetteten Objekten. Zschr. wiss. Mikr., 1930, **47**: 210.—**Blochmann, F.** Neue Hilfsmittel beim Herstellen und Weiterbehandeln von Paraffinschnitten. Ibid., 1921, **38**: 51–9.—**Burton, D.** Difficulties in paraffin sectioning. Canad. J. M. Techn., 1943, **5**: 101–3.—**Dempster, W. T.** The mechanics of paraffin sectioning by the microtome. Anat. Rec., 1942, **84**: 241–67. ——— Paraffin compression due to the rotary microtome. Stain Techn., 1943, **18**: 13–24.—**Edmonson, V. R.** A rapid method for routine preparation of paraffin sections. Canad. J. M. Techn., 1949, **11**: 126–31.—**Krüger, F.** Ueber das Hartwerden in Paraffin eingebetteter Präparate. Zschr. wiss. Mikr., 1941–42, **58**: 31–42.—**Lendrum, A. C.** On the cutting of tough and hard tissues embedded in paraffin. Stain Techn., 1944, **19**: 143.—**Moss, E. S., & Squires, G. V.** The use of filtra-pak bags in a rapid method for paraffin sections. Am. J. Clin. Path., 1942, **12**: Suppl., 93–5.—**O'Brien, J. P.** Paraffin sections of tissue fragments. Stain Techn., 1947, **22**: 71.—**Sass, J. E.** Schedules for sectioning maize kernels in paraffin. Ibid., 1945, **20**: 93–8.—**Schechtman, A. M.** A convenient cooling method in paraffin sectioning. Ibid., 1941, **16**: 85.—**Siding, A.** Ein Beitrag zur Paraffinschneidetechnik. Zschr. wiss. Mikr., 1905, **22**: 177.—**Tillotson, A. E.** A rapid routine method for producing paraffin sections. Am. J. M. Techn., 1936, **2**: 215–7.—**Watts, R. H.** A mass-production method for paraffin and frozen sections. J. R. Micr. Soc., Lond. (1947) 1948, **67**: 19.—**Wilson, R. A. J.** Celloidin-gum mastic film on microtome knife edge to facilitate sectioning of paraffin-embedded brain tissue. Am. J. Clin. Path., Techn. Sect., 1946, **10**: 57.

—— Technic.

KISSER, J. Die botanisch-mikrotechnischen Schneidemethoden. p.391–738. 4° Berl., 1939. In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1939, Abt. 11, T. 4, 1. Hälfte.

Apáthy, S. Neuere Beiträge zur Schneidetechnik. Zschr. wiss. Mikr., 1912, **29**: 449–515.—**Garner, J., & Maguire, M.** A few hints on routine sectioning. Canad. J. M. Techn., 1938–39, 1: No. 2, 31–5.—**Hall, W. E. B.** Advances in rapid tissue section methods; an evaluation of more recently developed techniques. Am. J. Surg., 1938, **41**: 458–61.—**Hildebrand, E., & Cheatle, E. L.** Rush section. Am. J. Clin. Path., Techn. Sect., 1946, **10**: 65.—**Kisser, J.** Der heutige Stand botanisch-mikrotechnischer Schneidemethoden. Biol. gen., Wien, 1928,

4: 131–80, 3 pl.—**Lorz, A. P.** A simplified diffusion-dehydration technique in the microtomy of tissues. Science, 1948, **107:** 278.—**MacMahon, H. E., & DelVecho, S. B.** A simple technic for rapid sectioning. N. England J. M., 1944, **231:** 794.—**Martin, A. W.** A rapid means of preparing uniform tissue sections. Endocrinology, 1942, **30:** 624.—**Newman, S. B., Borysko, E., & Swerdlow, M.** New method for microsectioning. Anat. Rec., 1949, **105:** 267–72, illust.—**Pakesch, E.** Ueber ein einfaches Verfahren zur Herstellung sogenannter Schnellschnitte. Zbl. allg. Path., 1943, **81:** 206.—**Serrano Quesada, M.** Sectioning methods for histopathological studies used in the Laboratorio de investigaciones anatomopatológicas of the Hospital general of Mexico City. Med. Woman J., 1949, **56:** No. 2, 50–3.—**Simpson, W. M., & Kreager, H. H.** A rapid inexpensive method for preparing permanent tissue sections. J. Laborat. Clin. M., 1930–31, **16:** 611–7.

—— Technic: Hard objects.

See also such terms as **Bone,** Histology, etc.

Drew, K. M. Use of hydrochloric acid for softening algal tissues for microtome sections. Nature, Lond., 1945, **156:** 479.—**Kisser, J.** Die Dampfmethode, ein neues Verfahren zum Schneiden härtester pflanzlicher Objekte. Zschr. wiss. Mikr., 1926, **43:** 346–54. ——— Neue Erfahrungen auf dem Gebiete des Schneidens harter Objekte. Ibid., 1931, **48:** 320–42.—**Kolin, M.** Technic for sectioning soft bones and hard tissues by celloidin and paraffin methods. Arch. Path., Chic., 1942, **33:** 86.—**Lendrum, A. C.** On the cutting of difficult tissues. J. Path. Bact., Cambr., 1935, **40:** 416.—**Ruth, E. B.** A method for making section of bones and teeth. J. Laborat. Clin. M., 1942–43, **28:** 751–5.

—— Ultramicrotomy.

See also **Microtome,** Ultramicrotome; also **Microscopy, electron.**

Ardenne, M. v. Die Keilschnittmethode, ein Weg zur Herstellung von Mikrotomschnitten mit weniger als 10^{-5} mm. Stärke für elektronenmikroskopische Zwecke. Zschr. wiss. Mikr., 1939, **56:** 8–23, pl.—**Gessler, A. E., & Fullam, E. F.** Sectioning for the electron microscope accomplished by the high speed microtome. Am. J. Anat., 1946, **78:** 245–83, incl. 12 pl.—**Microtomy.** Yearb. Carnegie Inst. Washington, 1946–47, No. 46, 119.—**Newman, S. B., Borysko, E., & Swerdlow, M.** Ultra-microtomy by a new method. J. Res. U. S. Nat. Bur. Stand., 1949, **43:** 183–99. ——— New sectioning techniques for light and electron microscopy. Science, 1949, **110:** 66–8.—**Rhoades, R. P.** Low speed microtomy for the electron microscope. Proc. Soc. Exp. Biol., N. Y., 1949, **71:** 660.—**Richards, A. G.,** jr, **Anderson, T. F., & Hance, R. T.** A microtome sectioning technique for electron microscopy illustrated with sections of striated muscle. Ibid., 1942, **51:** 148–52.

MICROTOOL.

See also **Micromanipulation; Microscope illumination; Microscope slide,** Cell chamber; **Microtechnic; Micrurgy.**

Browaeys, J. *Micromanipulateur à pantographe; pour le travail microscopique à un grossissement limité. 42p. 24cm. Par., 1942.

Klingstedt, H. Ueber die Konstruktion von Mikromanipulatoren nach dem Hebelprinzip. 8p. 23½cm. Helsin., 1943.

Arndt, G. Beiträge zur Technik und Methodik der mikroskopischen Doppelsäge. Zschr. wiss. Mikr., 1905, **22:** 104–13.—**Bergold, G.** Eine Mikroinjektionsspritze und Mikrobürette bis zu 0,1 cmm. Biol. Zbl., 1941, **61:** 158–62.—**Bretey, J., & Browaeys, J.** Confection des microinstruments au moyen des micromanipulateurs auxquels ils sont destinés. C. rend. Soc. biol., 1944, **138:** 465. ——— Présentation d'un appareil de fabrication de microinstruments. Bull. Soc. path. exot., Par., 1945, **38:** 182–4.—**Buchthal, F.** Ein neuer Mikromanipulator mit Zusatzgeräten (Mikromesser und unpolarisierbare Mikroelektroden) Zschr. wiss. Mikr., 1941–42, **58:** 126–33.—**Buck, J. B.** A versatile microinjection and micropipetting syringe. Rev. Sc. Instrum., 1949, **20:** 676.—**Cannon, H. G.** A note on fine needles for dissection. J. R. Micr. Soc., Lond., 1941, **61:** 58.—**Chakhotine, S.** Nouveau dispositif pour la méthode de la radiopuncture microscopique. C. rend. Soc. biol., 1921, **85:** 137–9. ——— La micro-instrumentation pour les recherches de cytologie expérimentale. Bull. Soc. fr. micr., 1935, **4:** 138–53. ——— Un nouveau microcompresseur universel pour la cytologie expérimentale. Ibid., 1936, **5:** 90–8.—**Comandon, J., & Fonbrune, P. de.** Fabrication simplifiée de micro-instruments: scalpels de verre et électrodes métalliques isolées. C. rend. Soc. biol., 1934, **116:** 1351–3.—**Fonbrune, P. de.** Device for controlling from a distance the displacements of certain organs. U. S. Patent Off., 1935, No. 1,987,733. ——— Méthode pour couder un microinstrument par inégalité de fusion. In his Techn. micromanip., Par., 1949, 53–6. ——— Micro-aiguilles. Ibid., 65–72, illust. ——— Micro-électrodes. Ibid., 72–8.—**Harding, J. P.** A simple instrument for dissecting minute organisms. J. R. Micr. Soc., Lond., 1939, **59:** 19–25.—**Kufferath, H.** Deux appareils simples de laboratoire pour la séparation des organismes microscopiques. Bull. Soc. fr. micr., 1933, **2:** 32–5.—**Langeron, M. C. P.** Micromanipulateurs. In his Précis d. micr., 7. éd., Par., 1949, 310–26.—**Reyniers, J. A., & Trexler, P. C.** The design of micrurgical machines for use in bacteriology. In: Micrurg. & Germfree Techn. (Reyniers, J. A.) Springf., 1943, 5–25.—**Richter, K. M.** A constant-temperature micromanipulation chamber. Science, 1948, **108:** 119–21.—**Schaper, A.** Neuer Apparat zur Application elektrischer Ströme auf mikroskopische Objecte. Zschr. wiss. Mikr., 1897, **14:** 436–41.—**Schouten, S. L.** Methode zur Anfertigung der gläsernen Isoliernadeln, gehörend zu dem Isolierapparat für Mikroorganismen. Ibid., 1907, **24:** 258–68.—**Schuster, E. H. J.** A simple micromanipulator. J. Anat., Lond., 1947, **81:** 281.—**Scouten, S. L.** [The microcauter and preparation of needles] Antonie van Leeuwenhoek, Amst., 1935, **2:** 275–302, 5 pl.—**Symons, P. H.** An improvised micro-manipulator. J. S. Afr. Chem. Inst., 1936, **19:** 24.

MICROTRANSPLANTATION.

See **Cytology,** Methods; **Micrurgy.**

MICROTREMA.

See under **Liver,** Distomatosis.

MICROTRICHOPHYTON [1921 Neveau-Lemaire]

See under **Microsporum**; also **Ectotrichophyton,** in 5. ser.

MICROTROMBIDIUM.

See **Acarina; Trombidiidae.**

MICROTUS.

See also **Muridae**; also under names of diseases transmitted as **Plague,** etc.; also **Epidemic hemorrhagic fever,** in the 5th series.

Kellogg, R. A revision of the Microtus californicus group of meadow mice. 42p. 8° Berkeley, 1918.

Forms No. 1, v.21, Univ. California Pub. Zool.

—— A study of the California forms of the Microtus montanus group of meadow mice [and] a synopsis of the Microtus mordax group of meadow mice in California. p.245–302. 8° Berkeley, 1922.

Forms No. 7–8, v.21, Univ. California Pub. Zool.

Astanin, L. P. [Heat exchange of Microtus socialis in Crimea] Zool. J., Moskva, 1944, **23:** 98–101.—**Camacho, V.** Los metoritos del Valle de México. Rev. Soc. mex. hist. natur., 1939–40, **1:** 109–18.—**Eadie, W. R.** Shrew-mouse predation during low mouse abundance. J. Mammal., 1948, **29:** 35–7.—**Elton, C.** Biological control of voles in France. In his Voles, Mice &c., Oxf., 1942, 28–47.—**Feniuk, B. K., & Sheikina, M. V.** [Life span of Microtus arvalis Pall. in natural conditions] Vest. mikrob., 1940, **19:** 571–90.—**Hamilton, W. J.,** jr. Growth and life span of the field mouse. Am. Natur., 1937, **71:** 500–7.—**Jenkins, H. O.** A population study of the meadow mice, Microtus, in 3 Sierra Nevada meadows. Abstr. Diss. Stanford Univ. (1939–40) 1940, **15:** 14–6.—**Matthey, R.** Chromosomes sexuels géants chez un campagnol, Microtus agrestis L. Experientia, Basel, 1949, **5:** 72.—**Nicholas, B. M.** Busy voles. Nurs. Mirror, Lond., 1947, **85:** 467.—**Regnier, R., & Pussard, R.** La constitution des magasins de réserve du Microtus arvalis Pallas (campagnol des champs) et son importance pour la pullulation de ce rongeur. C. rend. Acad. sc., 1926, **183:** 92–4.—**Selle, R. M.** Microtus californicus in captivity. J. Mammal., 1928, **9:** 93–8.—**Zedtwitz, F. X.** Vergleichendmessende Untersuchungen an Muriden und Arvicoliden. Zool. Jahrb., 1929, **51:** Abt. Anat., 261–98.

MICROTYMPAN.

See also **Deafness,** Diagnosis.

Belinoff, S. Das Mikrotympan. Wien. med. Wschr., 1922, **72:** 2025–7.

MICROVELIA.

See also **Insecta.**

Jordan, K. H. C. Zur Kenntnis des Eies und der Larven von Microvelia schneideri Schltz. Zschr. wiss. Insektb., 1932, **27:** 18–22.

MICROVISOR.

See also **Microscopy**, Accessories.

Kazeeff, W. N. Microviseur pour le repérage microscopique. C. rend. Soc. biol., 1939, **130**: 722.—**Langeron, M. C. P.** Microviseur de Kazeeff. In his Précis d. micr., 7. éd., Par., 1949, 287.

MICROVIVISECTION.

See also **Vivisection**; also **Bacteriology, Methods.**

Chambers, R. The microvivisection method. Biol. Bull., 1918, **34**: 121–36.

MICROVOLTMETER [incl. millivoltmeter]

See also **Electrometry.**

Burr, H. S., & Mauro, A. Millivoltmeters. Yale J. Biol., 1948–49, **21**: 249–53.—**Miles, W. R.** Performance of the Einthoven galvanometer with input through a vacuum tube microvoltmeter. J. Exp. Psychol., 1939, **25**: 76–90.—**Schorr, M. G., & Lamport, H.** A portable millivoltmeter. Yale J. Biol., 1945–46, **18**: 307–10.

MICROVOLUMETRY.

See also **Microchemistry; Microtechnic; Microtitration; Volumetry.**

Bock, J. C. The handling and cleaning of microvolumetric vessels. Am. J. Clin. Path., Techn. Sect., 1941, **5**: 121.—**Gaskin, J. G. N.** The determination of small quantities. Annual Rep. Progr. Chem., Lond. (1946) 1947, **43**: 329–34.—**Isizaka, O.** Biryō tekitei ni kan-suru kenkyū; tyūwa-hō tekitei ni okeru acidimetrie [... la volumetrie microchimique; neutralisations et acidimetrie] Yakugaku zassi, 1939, **59**: 67; passim.—**Romeis, B.** Das Messen mikroskopischer Präparate, Methodik der Mengenbestimmung von Organen und Organteilen. In his Mikrosk. Techn., 15. Aufl., München., 1948, 212–6.—**Wyatt, G. H.** A review of micro-volumetric apparatus. Analyst, Lond., 1944, **69**: 81–9.

MICROWAVE [incl. ultrashort wave]

For literature on electromagnetic waves over 10m length see **Short wave** (10 m to 100 m) **Diathermy** (300 m to 600 m) also such terms as **Electric current**, high frequency; **Electric wave; Electromagnetism; Radio wave.** For literature on waves less than 1 mm long but in the micron range see **Infrared ray.**

Di Rienzo, S. Ondas ultracortas; física, biología, terapéutica. 256p. 23½cm. B. Air., 1936.

Liebesny, P. Kurz- und Ultrakurzwellen; Biologie und Therapie. 208p. 8° Berl., 1935. Forms Sonderbd. 19, of Strahlentherapie.

Carrara, N. La rivelazione delle microonde. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 59–67.—**Cifone, A.** Consideraciones sobre ondas ultra-cortas de Hertz. Rev. As. méd. argent., 1935, **49**: 1957–63.—**Clavier, A. G.** Production et utilisation des ondes électro-magnétiques centimétriques. Acta Unio internat. cancr., Par., 1939, **4**: 255–67.—**Delherm & Fischgold.** A propos des ondes ultra-courtes. J. radiol. électr., 1935, **19**: 280.—**Denier, A.** Les ondes hertziennes ultra-courtes de 80 cm. ou micro-ondes du Marconi. Ibid., 1936, **20**: 193–7.—**Frenkel, G. L.** [Terminology and determination in work with ultra-high frequency] Fizioterapia, Moskva, 1939, No. 5, 27–9.—**Internationaler** Kurzwellenkongress, Juli 1951. Deut. med. Wschr., 1948, **73**: 420.—**Kalendarov, G. S.** [Ultra-short waves in biology and medicine] Arkh. biol. nauk, 1934, ser. A, **35**: 113–22.—**Köhler, E. v.** Quelques considérations sur les ondes courtes hertziennes. Rev. méd. Suisse rom., 1934, **54**: 551–87.—**Kowarschik, J.** Die elektrischen Kurzwellen und ihre Bedeutung für die Heilkunde. Wien. klin. Wschr., 1931, **44**: 957–62.—**Kugushev, A. M.** [Uniform terminology in work with the ultrashort waves] In: Biol. deist. ultravys. chast. (Kupalov, P. S., et al.) Moskva, 1937, 19–25.—**Langevin, P.** Vue d'ensemble sur les ondes hertziennes. Acta Unio internat. cancr., Par., 1939, **4**: 93–5.—**Liebesny, P.** Das Problem der ultrakurzen Wellen. Strahlentherapie, 1936, **56**: 109–20.—**[Pan-Union** Conference of physicians, biologists and physicists on the question of application of short and ultra-short waves in medicine] Sovet. med., 1937, No. 3, 48–50.—**Pierret, E.** Les ondes électriques ultra-courtes et leurs applications. Bull. Ass. fr. avance. sc., 1933, 43–52.—**Reiter, T.** Recherches sur les ondes ultra-courtes. Ann. Inst. actin., Par., 1932–33, **7**: 195–8.—**Simoda, K.** Micro-ha no zikken [Experiments with microwaves] Kagaku, 1949, **19**: 490–8.—**Verde, M.** Le onde Hertziane corte e cortissime in biologia e in medicina. Clin. pediat., Mod., 1935, **17**: 455–86.—**Wundt, R. M.** Die Bedeutung der ultrakurzen Wellen für die Sicherung von Menschenleben und Material in der Luftfahrt. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 46.

—— Apparatus.

Adianco portable ultratherm acceptable. J. Am. M. Ass. 1935, **105**: 437.—**Alpert, D.** A high power attenuator for microwaves. Rev. Sc. Instrum., 1949, **20**: 779–81.—**Andreev, P. N.** [Method of estimation of ultra high frequency generators which are based on self-excitation] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 89–96.—**Arkadiewa-Glagolewa, A.** Die Erzeugung von Zentimeter-, Millimeter- und Hektomikronwellen. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 101.—**Barr** ultra-short wave radiothermy unit model SW–5 acceptable. J. Am. M. Ass., 1935, **105**: 1345.—**Belickaia, F. S.** [Types of electrode gloves in ultra-high frequency irradiation] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 108–11.—**Benkovsky, A. P.** [New portable generator of ultra-high frequency] Fizioterapia, Moskva, 1941, No. 3, 70.—**Bergk, K., & Hofmann, J.** Diathermic apparatus for generating short or ultra-short waves. U. S. Patent Off., 1936, No. 2,043,422.—**Bolston** ultra-penetron short wave unit model MR–1 acceptable. J. Am. M. Ass., 1941, **117**: 1263.—**Brünner-Ornstein, M., & Randa, K.** Versuche mit einem Magnetron-Ultrakurzwellengenerator für medizinische Zwecke. Strahlentherapie, 1937, **59**: 267–75. Also Wien. med. Wschr., 1937, **87**: 804.—**Cabitto, L.** Semplice e precisio sintonizzatore per apparecchi ad onde ultracorte. Osp. maggiore Novara, 1936, **13**: 187–9.—**Cayrel, M.** Premiers résultats thérapeutiques obtenus avec un nouvel appareil électro-médical à ondes ultra-courtes pour la production des radiations rouges et violettes de nature froide. Atti Accad. med. lombarda, 1935, **24**: 251–7.—**Ceccaldi, A.** Présentation d'un nouveau type d'appareil à ondes hertziennes courtes. Lyon méd., 1932, **150**: 41–4, pl. Also Ann. Inst. actin., Par., 1932–33, **7**: 231–3, 4 pl.—**Continental** ultra-short wave unit model SW–100, acceptable. J. Am. M. Ass., 1940, **115**: 1100.—**Cullen, A. L.** Absolute power measurement at microwave frequencies. Nature, Lond., 1949, **163**: 403.—**Dark, E. P.** The inductotherm. Med. J. Australia, 1936, **2**: 397–9.—**Demuth, W.** Der Kurzwellenapparat Microdyn und seine Verwendung in der Zahnheilkunde. Zschr. Stomat., Wien, 1947, **44**: 173–81.—**DeWalt, K. C.** The radiotherm; its construction and principles of operation. Arch. Phys. Ther., 1931, **12**: 133–6; Disc., 149–53.—**Eastman** ultra-short wave unit, model PSW, acceptable. J. Am. M. Ass., 1938, **111**: 424.—**Fischertherm** acceptable. Ibid., 1936, **106**: 1563.—**Fischertherm** short wave diathermy unit model 104–B acceptable. Ibid., 1937, **109**: 272.—**Gebbert, A.** Die Bedeutung verschiedener UKW-Generatorsysteme für die medizinische Anwendung. Verh. Deut. Röntg. Ges., 1934, **27**: 46–9; Disc., 51–4.—**Hanovia** ultra-short wave generator model 2700 acceptable. J. Am. M. Ass., 1938, **111**: 252.—**Hanovia** ultra-short-wave, model 2711, acceptable. Ibid., **110**: 957.—**Hirschland, L., & Schmidt, G.** Condenser electrode for short-wave and ultra-short wave therapy and method for storing the same. U. S. Patent Off., 1941, No. 2,242,886.—**Hogan** brevatherm short wave diathermy unit, model 8800 (two-tube) acceptable. J. Am. M. Ass., 1936, **106**: 1660.—**Hogan** super-brevatherm short wave diathermy unit, model 8898, acceptable. Ibid., 2148.—**Hogan** super-brevatherm short wave diathermy unit, model 8901, acceptable. Ibid., 1937, **108**: 119.—**Hogan** brevatherm short wave diathermy unit, clinic model 8820 (two-tube) acceptable. Ibid., 1504.—**Hogan** brevatherm premier model acceptable. Ibid., 1939, **113**: 501.—**Holder's** ultra-short wave H. F. condensator not acceptable. Ibid., 1942, **119**: 1107.—**Hollmann, H. E.** Die Methoden der Erzeugung von Ultrakurzwellen. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 69–76.—**Holmquest, H. J.** Equipo para inductotermia; un nuevo método para producir calor en los tejidos. Rev. radiol. fisioter., Chic., 1934, **1**: 28–32.—**Holzer, W.** Hilfsmittel für die therapeutische Anwendung von Ultrakurzwellen. Zschr. ges. exp. Med., 1934, **93**: 296–301.—**Inductotherm** (one tube) acceptable. J. Am. M. Ass., 1936, **106**: 1091.—**Kerns, D. M.** Determination of efficiency of microwave bolometer mounts from impedance data. J. Res. U. S. Nat. Bur. Stand., 1949, **42**: 579–85.—**Lepel** ultra-short wave machine acceptable. J. Am. M. Ass., 1935, **105**: 1606.—**Liebel-Flarsheim** ultra short wave generator, model SW–400, acceptable. Ibid., 1938, **111**: 2392.—**Liebel-Flarsheim** SW–P short wave generator acceptable. Ibid., 1940, **114**: 41.—**Majestic** ultra short wave unit acceptable. Ibid., 1937, **109**: 586.—**Medical** science adopts electromagnetic induction. Surg. Equip., 1935, **2**: No. 3, 14.—**Merriman, J. R., Holmquest, H. J., & Osborne, S. L.** Treatment technique with the inductotherm. Physiother. Rev., 1934, **14**: 107–10.—**Microwave** power meter. Rev. Sc. Instrum., 1949, **20**: 377.—**Nouveaux** appareils pour la D'Arsonvalisation à ondes ultra-courtes. Ann. Inst. actin., Par., 1937–38, **12**: 39.—**Okabe, K.** Undamped extra-short electromagnetic waves obtained by magnetron etc. Saito Hoon Kai Monogr. Ser., 1928, **5**: No. 2, 1–5. —— Electron-beam magnetron (a new vacuum tube for producing very high frequency oscillations of very large power) Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 111.—**Osswald, K.** Der Siemens-Kurzwellentherapieapparat für 1 m. Wellenlänge und 700 Watt Hochfrequenzleistung. Strahlentherapie, 1939, **64**: 530–5.—**Pätzold, J.** Eine Apparatur für Ultra-Kurzwellenbehandlung. Ibid., 1931, **41**: 329–31. —— Neues auf dem Gebiete der Erzeugung von Ultrakurzwellen. Ibid., 1933, **47**: 789–91.—**Peerless** ultra short wave generator, model UW2–A, acceptable. J. Am. M. Ass., 1937, **108**: 639.—**Peerless** ultra short wave unit, model UW2M, acceptable. Ibid., 1938, **110**: 1752.—**Popov, N. I.** [Apparatus of ultra-high

frequency therapy] Fizioterapia, Moskva, 1941, No. 3, 73–5.—**Radiathermy,** short wave therapy. J. Nat. Ass. Chiropod., 1935, **25:** No. 11, 9.—**Rose** CW–6 radiathermy unit, acceptable. J. Am. M. Ass., 1938, **110:** 128.—**Rose** CX–2 radiathermy unit (with various wavelengths) acceptable. Ibid., 371.—**Super** Fischertherm (6 meter) acceptable. Ibid., 1937, **109:** 2064.—**Super** Fischertherm, model 114–A–3 acceptable. Ibid., 1938, **111:** 2014.—**Tosatti, E.** Utilizzazione per ricerche biologiche di un apparecchio capace di emettere onde di lunghezza uguale ed inferiore a metri 1. Boll. Soc. ital. biol. sper., 1939, **14:** 391–4.—**Ultratherm,** model G, acceptable. J. Am. M. Ass., 1936, **107:** 1636.—**Ushinskaia, O. F.** [Soviet ultra high frequency generators] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 97–107.—**Zezi, G. N.** UKW in der Medizin; die UKW-Maske für Gesichtsbehandlung. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 348.

—— Bactericide effect.

Schenck zu Schweinsberg, H. G. *Zur Einwirkung des Ultrakurzwellenfeldes auf Bakterien [Giessen] 15p. 24cm. Berl., 1938.

Also Strahlentherapie, 1938, **63:** 212–24.

Bessemans, A., Janssens, P., & Van Meirhaeghe, A. Diathermie in vitro par ondes courtes et ultracourtes, d'une souche arsénorésistante de Trypanosoma gambiense. Rev. belge sc. méd., 1937, **9:** 168–78.—**Buchgraber, J.** [Bactericide and therapeutic property of ultrashort-waves] Gyógyászat, 1935, **75:** 323–6.—**Gale, C. K., & Miller, D.** Bactericidal action of short and ultrashort waves. J. Laborat. Clin. M., 1935–36, **21:** 31.—**Gilles, E.** Effet léthal d'ondes très courtes sur les microorganismes. C. rend. Soc. biol., 1944, **138:** 545. ——— Les effets fongicide et bactéricide des ondes très courtes sont, dans certaines conditions, la conséquence d'une action thermique élective. Ibid., 565–7.—**Hansen, S., & Schwartz, W.** Untersuchungen über die Einwirkung von ultrakurzen Wellen auf Mikroorganismen. Arch. Mikrob., Berl., 1942–43, **13:** 219–49.—**Hasché, E., & Leunig, H.** Ueber die Wirkung von Ultrakurzwellen auf Bakterien. Deut. med. Wschr., 1935, **61:** 1193–5.—**Hasché, E., & Loch, P.** Quantitatives über die Einwirkung von Kurzwellen auf Bakterien (Wellenlänge: 3,5 m und 52 cm) Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 214. ——— Quantitatives über die Einwirkung von Kurzwellen auf Bakterien (15 m, 3,5 m, 52 cm) Zschr. Hyg., 1937–38, **120:** 209–18. Also Klin. Wschr., 1938, **17:** 59–63.—**Jerace, F.** L'azione delle onde ultracorte su alcune infezioni da protozoi. Ann. igiene, 1938, **48:** 560–8.—**Körber, H.** Ueber den Einfluss von Ultrakurzwellen auf Bakterien und Fermente. Wien. med. Wschr., 1935, **85:** 1201.—**Kolpakova, T. A., & Selkov, E. A.** [Ultra-short waves and bacteria] Tr. Centr. gosud. travmat. inst., Leningr., 1936, Sborn. 2, 147–54, pl.—**Ozzano, T., & Re, C.** L'influenza delle onde corte hertziane sui germi patogeni. Gior. batt. immun., 1937, **19:** 535–47.—**Paulian, D., & Bistriceano, I.** L'action des ondes ultracourtes sur les cultures microbiennes. Bull. Acad. méd., Par., 1936, **116:** 883–5.—**Sauter, E., & Schwartz, W.** Untersuchung über die Wirkung ultrakurzer Wellen auf die lebende Bakterienzelle. Arch. Mikrob., Berl., 1939, **10:** 189–225.—**Shamraevsky, S. M., & Fesenko, T. F.** [Effect of ultra-high frequency current on pyogenous microorganisms] J. mikrob., Moskva, 1942, 58–64.—**Tatumi, M., Yosida, K.** [et al.] Ueber den Einfluss der Ultraschallwellen auf Keuchhusten-Bazillen und -Toxin. Acta paediat. jap., 1938, **44:** 30 (Abstr.)—**Troicky, V. L., Repin, A. S., & Miliavskaia, P. F.** [Effect of ultra-short waves on bacteria] J. mikrob., Moskva, 1937, **19:** 817–22.—**Weindrach, H. M.** [On the effect of ultra-short waves on micro-organisms and the mechanism of this effect] Ibid., 1939, No. 7, 139–46.

—— Biochemical effect.

Genz, G. *Die Veränderungen des Blut-Calciumspiegels durch ultrakurze elektrische Wellen [Jena] 30p. 8° Halle, 1933.

Astanin, P. P. [Biochemical analysis of the action of high frequency field on the animal organism] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 203–26.—**Deganello, M., & Bruni, L.** Curva glicemica ed onde ultracorte. Gior. clin. med., 1937, **18:** 207–19.—**Delia, A.** Variazioni del contenuto di deidrogenasi nei diversi organi e tessuti del coniglio dopo trattamento con onde ultracorte. Fisiol. & med., Roma, 1936, **7:** 229–42.—**Efimov, V., & Rutberg, R.** Variation de la réaction active du sang et du liquide cérébrospinal sous l'influence de l'irradiation du cerveau du chien par les ondes ultra-courtes. Bull. biol. méd. exp. URSS, 1939, **7:** 388–91.—**Golisheva, K. P.** [Experimental material on the biological effect of the electric field of ultra-high frequency] Radianska med., 1937, **2:** No. 7, 36–40.—**Hasché, E., & Leunig, H.** Ueber Einwirkung von Kurz- und Ultrakurzwellen auf anorganische und organische Verbindungen. Strahlentherapie, 1935, **52:** 179–86.—**Hasimoto, S., Takahasi, G., & Endō, K.** Tyōtanpa tō-bu syōsya no kettō narabi-ni ketueki nyūsanryō ni oyobosu eikyō [Effect of irradiation of the head with ultra-short waves upon the amount of sugar and of lactic acid in the blood] Tohoku igaku zassi, 1942, **31:** 28–34.—**Kan, S.** Einfluss der Durchflutung der Milz des Hundes auf Lipoid-Phosphor des Blutes. Jap. J. M. Sc., Biochem., 1941, **4:** 291–6.—**Kaplan, J. D., & Khudaverdov, A. G.** [Variability of gaseous metabolism from the effect of ultra-short radio-waves] Tr. Vseross. konf. patologov (1934) 1935, 128.—**Khrenov, I. I.** [Effect of the condensation field of ultra-high frequency currents on basal metabolism in man] Fizioterapia, Moskva, 1939, No. 4, 45–7.—**Knudson, A., & Schaible, P. J.** Chemical changes in the body resulting from exposure to ultra-high frequency field; blood chemical findings in the dog; acid-base balance in the plasma of dogs. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 147.—**Koyanagi, J., & Hukasako, T.** Biochemische Untersuchung über die Wirkung der Ultrakurzwellen; Einfluss der Durchflutung auf die Ausscheidung von Gesamtstickstoff, Harnstoff und Gesamtschwefelsäure im Harn. Jap. J. M. Sc., Biochem., 1941, **4:** 281–9.—**Ohnuki, T.** Tyōtanpa syōsya-zi ni okeru kato kettyū histamine-yō bussitu no syōtyō ni tuite [Variations in the substance resembling histamine in the blood of rabbits when exposed to ultrashort waves] Hokkaido igaku zassi, 1943, **21:** 807–35. ——— **Maeda, N., & Makino, T.** Tyōtanpa no kekkyū-kessyō-hi ni oyobosu eikyō ni tuite [The effect of ultrashort waves on the blood-corpuscle; blood-plasma ratio] Ibid., 1481–5.—**Plaisant, A.** Comportamento nell'organismo di determinate sostanze fotosensibili irradiate con raggi ad onde assai corte. Riforma med., 1933, **49:** 1861.—**Sawada, I.** Tyōtanpa to seitai yō-ion [Ultrashort waves and the positive ions of living bodies] Hokkaido igaku zassi, 1941, **19:** 1727–56.—**Schliephake, E.** Die Wirkung der Ultrakurzwellen auf den Blutzucker. Strahlentherapie, 1948, **78:** 467–70.—**Takahasi, G.** Tyōtanpa no ketueki suiso-ion nōdo ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon the concentration of hydrogen-ions in the blood] Tohoku igaku zassi, 1942, **31:** 16–20. ——— Tyōtanpa no sanso syōhi-ryō, sin-bunzi-keturyō (Minutenvolum) oyobi sin-hakusyutu-ryō (Schlagvolum) ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon the amount of oxygen consumption, and minute volume of the heart] Ibid., 47–53. ——— **& Endō, K.** Tyōtanpa no ketueki-tanpaku narabi-ni sono kōsitu sintō-atu ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon the blood proteins and their colloid osmotic pressure] Ibid., 35–40.—**Takewaki, H.** Tyōtanpa no kōsitu-yōeki ni oyobosu eikyō [The effect of ultra-short waves on gelatinous solutions] Hokkaido igaku zassi, 1943, **21:** 1722; 1838.—**Urso, B.** Azione delle onde ultracorte sul potere agglutinante. Arch. ital. sc. med. col., 1941, **22:** 417–36.

—— Biological aspect.

Kupalov, P. S., Frenkel, G. L., & Fedorov, L. N., eds. [Biologicheskoe deistvie ultravysokoi chastoty] 471p. 23cm. Moskva, 1937.

Amano, C. Einfluss der Ultra-Kurzwellen auf verschiedene Fermente. Jap. J. M. Sc., Biophysics, 1936–38, **4:** Proc., 54–7.—**Benza, F., & Picasso, V.** Sull'azione biologica delle onde ultra-corte. Morgagni, 1934, **76:** 935–42.—**DeNier, A.** Les ondes hertziennes de 80 cm, leur action biologique et thérapeutique. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 320–2.—**Frenkel, G. L.** [Certain peculiarities of the biological action of the high frequency field] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 115–36. ——— [Biological effect of the electric field of ultra-high frequency] Otchet Vsesoiuz. inst. eksp. med., Moskva (1933–37) 1939, 389–406.—**Gale, C. K.** Penetrative and selective heat effects of short and ultrashort waves; an experimental study with unicellular organisms and with electrolytes. Arch. Phys. Ther., 1935, **16:** 271–7.—**Ghetti, B.** Relazione sulle prove di controllo onde accertare l'eventuale influenza di onde elettromagnetiche ultracorte (2-3 m.) sulla germinazione dei semi e sullo sviluppo delle piante. Atti Congr. internaz. elettroradiob., 1934, **1:** 360–6.—**Gilles, E.** Sur les difficultés de réaliser une application homogène d'ondes très courte (λ de 1 à 3 m.) sur un matériel biologique végétal. C. rend. Soc. biol., 1945, **139:** 1130–2.—**Hill, L., & Taylor, H. J.** Effect of the high-frequency field on some physiological preparations. Lancet, Lond., 1936, **1:** 311.—**Jellinek, S.** Biology of ultrashort waves. Arch. Phys. Ther., 1936, **17:** 512.—**McKinley, G. M.** The ultrahigh frequency magnetic-electric field in biology. Abstr. Theses Univ. Pittsburgh, 1933, **9:** 183–8.—**Meyer, B.** Die biologischen Wirkungen kleinster Ultrakurzwellendosen. Fachbl. schweiz. Heime, 1946, **17:** 107.—**Mezzadroli, G.** Le onde elettromagnetiche ultracorte in biologia. Gior. biol. appl., 1931, **1:** 3–8. ——— **& Vareton, E.** Azione delle onde elettromagnetiche ultracorte λ=2–3 m. sullo sviluppo dei bachi da seta irradiati durante la loro crescità. Ibid., 207–11. ——— Azione delle onde elettromagnetiche ultracorte λ=2–3 m. sulla germinazione dei semi irradiati prima della semina. Ibid., 212–9.—**Minoprio, J. L. D.** Acción biológica de las ondas hertzianas. Sem. méd., B. Air., 1940, **47:** 1318–26.—**Roffo, A. E.** Las ondas ultracortas de Hertz y la vida celular. Prensa méd. argent., 1932–33, **19:** 751–60.—**Roffo, A. H.** Las ondas hertzianas ultra-cortas y la vida celular; estudio sobre las culturas de tejidos normales y neoplásicos in vitro. Bol. Inst. med. exp. cáncer, B. Air., 1932, **9:** 210–29.—**Roth, G. E.** Ueber die Beeinflussung der Keimung und des Wachstums von pflanzlichen Samen durch Bestrahlung im Ultrakurzwellenfeld. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 215–7.—**Salotti, A., & Fiorenzi, O.** Risultati di ricerche sulla influenza di microonde di λ=60–70 cm. sui vegetali. Atti Congr. internaz. elettroradiob., 1934, **1:** 440–4.—**Stefanutti, P.** Delle relazioni fra effetto calorico ed alcuni effetti biologici in vivo ed in vitro delle onde corte ed ultracorte. Fol. med., Nap., 1936, **22:** 1003–14.—**Van Overbeek, J., Brantley, L. R., & Potapenko, G. W.** Effect of ultra-

short radio waves on plant growth. Science, 1939, **90**: 470.—**Yamada, M., Tanaka, K.** [et al.] Biological studies on short and ultra short waves. Tr. Soc. path. jap., 1936, **26**: 405–13.

—— Diathermy.

See Microwave, Therapeutic use.

—— History.

Bjerknes, W. L'oeuvre de Hertz dans le domaine des ondes électromagnétiques. Acta Unio internat. cancr., Par., 1939, **4**: 127–34.—**Dannemann, F.** Die Entdeckung elektrischer Schwingungen. In his Werden d. naturwiss. Probl., Lpz., 1928, 336–40.—**Probst, G.** A descoberta física dum médico permite a primeira recepção de ondas Hertzianas. Actas Ciba, Rio, 1943, **10**: 289.—**Schliephake, E.** Development of short wave therapy; ultrashort wave therapy. Arch. Phys. Ther., 1936, **17**: 487–501.

—— Lens, and transmission.

RAGAN, G. L. Microwave transmission circuits. 725p. 23½cm. N. Y., 1948.

Ellis, W., Hansen, N. O. [et al.] On metal plate prisms for microwaves. J. Optic. Soc. America, 1947, **37**: 988.—**Fry, D. W., & Walkinshaw, W.** Theory of microwave resonators and waveguides. Rep. Progr. Physics, Lond. (1948–49) 1949, **12**: 109–18.—**Kock, W. E.** Metal plate lenses for microwaves. J. Optic. Soc. America, 1947, **37**: 987.—**Ragan, G. L.** Transmission lines as guides for electromagnetic waves. In his Microwave Transmiss. Circuits, N. Y., 1948, 36–59. ——— Coaxial lines. Ibid., 144–88.—**Ruze, J., Counter, V. A., & Chisholm, E. B.** Design of a wide-angle microwave line source (metal lens) J. Optic. Soc. America, 1947, **37**: 988.—**Spencer, R. C., Ellis, W.** [et al.] Reflectors for wide-angle scanning at microwave frequencies. Ibid., 988.—**Walker, R. M.** Waveguides. In: Microwave Transmiss. Circuits (Ragan, G. L.) N. Y., 1948, 188–242.

—— Mode of action.

ENDŌ, K., HASIMOTO, S., & TAKAHASI, G. Tyōtanpa no seibutugaku-teki sayō ni kan-suru kenkyū [Studies on biological action of ultra-short waves] 79p. 25cm. Sendai, 1942.

In: Tohoku igaku zassi, 1942, **31**:

GLANZ, E. *Der Wirkungs-Mechanismus der Kurz- und Ultrakurzwellen (unter Berücksichtigung der zahnärztlichen Indikationen) [München] 24p. 8° Dachau, 1937.

WASSON, T. C. *Beitrag zur Wirkung der Ultra-Kurzwellen. 25p. 8° Erlangen, 1934.

WORDEN, R. E. *The heating effects of microwaves with and without artificial ischemia [Minnesota] 71 l. 27½cm. Rochester, Minn., 1949.

Arkhangelsky, W. M. Thesen zum Bericht über die spezifische Wirkung des Ultrahochfrequenzfeldes. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 192–201. ——— [Sur la spécificité de l'effet physiologique du champ à ultra-fréquence] Med. exp., Kharkov, 1937, No. 4, 1–22.—**Bachem, A.** Selective heat production by ultrashort (hertzian) waves. Arch. Phys. Ther., 1935, **16**: 645–50.—**Bateman, J. B., & Rosenberg, H.** The investigation of alleged specific effects of ultra high frequency fields. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 129–31.—**Bell, W. H., & Ferguson, D.** Effects of super-high-frequency radio current on health of men exposed under service conditions. Arch. Phys. Ther., 1931, **12**: 477–90.—**Boyle, A. C., Cook, H. F., & Buchanan, T. J.** The effects of micro-waves; a preliminary investigation. Brit. J. Phys. M., 1950, **13**: 2–9, illust.—**Capaldi, B.** Contributo allo studio per l'esatta riproduzione delle condizioni di irradiazione con micro-onde. Arch. sc. biol., Bologna, 1934–35, **20**: 430–41.—**Castaldi, L.** Effetti biologici delle onde di Hertz. Atti Congr. internaz. elettroradiob., 1934, **1**: 277–335. ——— Effetti biologici e terapeutici delle onde Hertziane. Rass. internaz. clin. ter., 1935, **16**: 3; 64.—**Christie, R. V., & Loomis, A. L.** The relation of frequency to the physiological effects of ultra-high frequency currents. J. Exp. M., 1929, **49**: 303–21.—**Dénier, A.** Die biologische und therapeutische Wirkung der Hertz'schen Wellen von 80 cm Wellenlänge. Wien. med. Wschr., 1937, **87**: 748.—**Díaz Quiñonez, M. D.** Acción selectiva y específica de las ondas ultracortas y su aplicación en clínica. Arch. hosp., Habana, 1939, **10**: 722; 801.—**Dolinskaia, A. T.** [Localization of action of ultra high frequency] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 51–72.—**Drouet.** Propriétés biologiques des ondes hertziennes courtes. Bull. Soc. radiol. méd. France, 1932, **20**: 587–607.—**Dubois-Trépagne.** Effets biologiques et applications thérapeutiques des ondes hertziennes courtes. Liége méd., 1933, **26**: 1061–90.—**Duflot, G.** Les avantages théoriques et pratiques des ondes courtes de six mètres. Gaz. méd. France, 1936, **43**: Suppl. radiol., No. 20, 107–11.—**England, T. S., & Sharples, N. A.** The action of microwave radiations. Annual Rep. Brit. Empire Cancer Campaign, 1948, **26**: 154–6.—**Errera, J.** Les milieux colloïdaux et les ondes hertziennes de haute fréquence. Acta Unio internat. cancr., Par., 1939, **4**: 195–203.—**Frenkel, G. L.** [Significance of the frequency component for biological effects of the electric field of ultra-high frequency] Arkh. biol. nauk, 1940, **58**: 32–43.—**Gebbert, A.** Der Einfluss der Wellenlänge auf die Wärmeverteilung im Körper bei Ultrakurzwellentherapie. Klin. Wschr., 1934, **13**: 1563–5.—**Golysheva, K. P.** [Experimental investigations of thermal effects of ultra-high frequency; thermal effect of ultra-high frequency in animals with changed thermo-regulation] Arkh. pat. anat., Moskva, 1939, **5**: No. 5, 33–6.—**Hallberg, J. H., & Woodbury, F. T.** The non-thermal aspects of short-wave (radio) therapy in the range between 2-meter and 30-meter wavelength. Clin. M. & S., 1936, **43**: 82–7.—**Haschè, E.** Ueber die Möglichkeit selektiver Erwärmung einzelner Gewebsschichten im Ultrakurzwellen-Kondensatorfeld. Deut. med. Wschr., 1940, **66**: 797–800.—**Heller, R.** Zur Frage der spezifisch elektrischen Wirkung ultrakurzer Wellen. Wien. klin. Wschr., 1931, **44**: 795–7.—**Korb, H.** Vergleichende Temperaturmessungen am Menschen bei den Wellenlängen 6 m. und 1 m. Strahlentherapie, 1939, **64**: 536–9.—**Krusen, F. H., Overholser, W.** [et al.] Experimental studies on microwave therapy and measurement of temperature. Rep. Baruch. Com. Phys. M., 1948–49, 146.—**Kugushev, A. M.** [The nature of the effect of currents of ultra-high frequency] Arkh. biol. nauk, 1935, **38**: 795–813.—**Kurbatova, I. N.** On the importance of the frequency factor for the bioeffect of the electric field of ultra-high frequency. Bull. biol. méd. exp. URSS, 1939, **8**: 437–9.—**Kurokawa, T., & Kitagawa, R.** Studien über die medizinische Anwendung der hochfrequenten elektrischen Wellen; Untersuchung über die biologische Wirkung der Ultrakurzwellen. Jap. J. M. Sc., 1936, **4**: Int. Med., Proc., 124.—**Liebesny, P.** Biologische Wirkungen der Hertzschen Kurzwellen. Atti Congr. internaz. elettroradiob., 1934, **1**: 369–82.—**Malov, N. N.** Ueber den Wärmeeffekt der kurzen und ultrakurzen elektrischen Wellen und ihre spezifische Wirkung. Strahlentherapie, 1935, **53**: 326–36. Also Biol. J., Moskva, 1936, **5**: 551–60.—**Miram, K. R.** [On the effect of ultra-short radio waves] Tr. Vseross. konf. patologov (1934) 1935, 128.—**Neufeld, L.** [Data concerning the biological action of short and extra short waves applied in vivo] Magy. orv. arch., 1938, **39**: 113–7.—**Pätzold, J., & Betz, P.** Der Einfluss der Elektrodenanordnung in der Ultrakurzwellentherapie auf die Wärmeverteilung im Körper. Zschr. ges. exp. Med., 1934, **94**: 696–707.—**Rae, J. W.,** jr, **Herrick, J. F.** [et al.] A comparative study of the temperatures produced by microwave and short wave diathermy. Arch. Phys. M., 1949, **30**: 199–211.—**Reiter, T.** Ueber spezifische Wirkungen der Ultra-Kurzwellen. Deut. med. Wschr., 1933, **59**: 160–6.—**Research** on the action of short wireless waves. Annual Rep. Brit. Empire Cancer Campaign, 1938, **15**: 135.—**Saidman, J., Meyer, J., & Cahen, R.** Effets locaux dus aux champs électriques de très haute fréquence chez le rat. C. rend. Acad. sc., 1931, **192**: 1760–2.—**Schaefer, H.** Zur Frage der selektiven Tiefenerwärmung im Ultrakurzwellen-Kondensatorfeld. Zschr. ges. exp. Med., 1936, **98**: 257; 1936–37, **100**: 706. ——— Ueber die Möglichkeit selektiver Erwärmung einzelner Gewebsschichten im Ultrakurzwellen-Kondensatorfeld. Deut. med. Wschr., 1938, **64**: 955–9. ——— **& Schäfer, W.** Zur Frage der Hyperthermiewirkung des Ultrakurzwellenfeldes. Klin. Wschr., 1937, **16**: 999.—**Schliephake, E.** Biologische Wirkungsweise ultrakurzer elektrischer Wellen. Med. Welt, 1929, **3**: 333. ——— Spezifische Wirkungen des Ultrakurzwellenfeldes. Strahlentherapie, 1936, **57**: 151–64. ——— **& Compère, A.** Spezifische Wirkungen des Ultra-Kurzwellenfeldes. Klin. Wschr., 1933, **12**: 1729.—**Séguin, L. de, Castelain, G., & Pelletier, M.** Recherches sur les propriétés biologiques des micro-ondes en vue de leur application thérapeutique. Rev. sc., Par., 1948, **86**: 335–44.—**Sida, H., Takeda, T., & Yuzuki, Y.** Tanpa-tyō oyobi tyōtanpa-tyō denpa no sentaku-sei ni kan-suru zikken-teki kenkyū [... selective action of electric waves of short wave-length and of ultra-short wave-length] Mitt. Jap. Ges. Gyn., 1936, **31**: 1025.—**Stieböck, L. H.** Prinzipielle Bemerkungen zur Höchstfrequenztherapie; die medizinische Anwendung von Teslaströmen überkurzer Wellenlänge. Wien. klin. Wschr., 1928, **41**: 1558–60. ——— Biologische Wirkungen ultrakurzer Wellen. Ibid., 1931, **44**: 291.—**Strassburger, A., & Schliephake, E.** Der Einfluss von Ultrakurzwellen auf die Wärmeregulierung der Kaninchen. Arch. exp. Path., Berl., 1934–35, **177**: 1–17.—**Szymanowski, W. T., & Hicks, R. A.** The biologic action of ultrahigh frequency currents. J. Infect. Dis., 1932, **1**: 1–25.—**Tatarinov, V. V.** [Various heat effects of the electric fields of ultra high frequency] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 73–83.—**Theis, M.** Zur Frage der spezifischen Wirkungen der Ultrakurzwellen. Strahlentherapie, 1939, **66**: 494–514.—**Worden, R. E., Herrick, J. F.** [et al.] The heating effects of microwaves with and without ischemia. Arch. Phys. M., 1948, **29**: 751–8. Also Am. J. Physiol., 1948, **155**: 480 (Abstr.)

—— Mode of action: Specific functions and organs.

GERSTEN, J. W. *The effect of microwave diathermy on the peripheral circulation and on tissue temperature in man [Minnesota] 101 l. 28cm. Rochester, Minn., 1949.

LEDEN, U. M. *Preliminary studies on the heating and circulatory effects of microwaves [Minnesota] 31 l. 27cm. Rochester, Minn., 1948.

PATTILLO BERGEN, C. *Sobre la pretendida acción específica de las ondas ultra-cortas; estudio de la cronaxía nerviosa [Chile] 27p. 26cm. Nuñoa, 1939.

RAJEWSKY, B. Biophysikalische Grundlagen der Ultrakurzwellen-Wirkung im lebenden Gewebe. p.77–190. 25½cm. Lpz., 1938.
In his Erg. biophys. Forsch., Lpz., 1938, 1:

WORCH, W. *Bestrahlungs- beziehungsweise Durchflutungsversuche am lebenden Froschmuskel mittels Diathermie und ultra-kurzer Welle, sowie ein Ueberblick über das Anwendungsgebiet der Diathermie und der ultrakurzen Welle [Münster] 40p. 21cm. Lengerich i. W., 1938.

Andriasheva, N. M. [Interdependence of leucocyte reaction to ultra-high frequency and intensity of action] Fizioterapia, Moskva, 1939, No. 4, 48–55.—**Bekauri, N. V.** [Effect of ultra-short-waves on the reflex excitability of the frog] J. physiol. USSR, 1941, **30:** 173–83. ——— [Effect of ultra-short waves on the electro-motor forces of rest in the nerve] Ibid., 184–90.—**Bergh, F., & Krarup, N. B.** Studies on the effect of ultra short waves on respiratory metabolism with special reference to the question of a specific action. Acta med. scand., 1938, **96:** Suppl. 90, 338–53.—**Broderson, B. M., & Fandrei, S. A.** [Effect of ultra-short wave on the reticulo-endothelial system] Fizioterapia, Moskva, 1939, 78–83.—**Daily, L., jr, Wakim, K. G.** [et al.] Effects of microwave diathermy on the eye. Am. J. Physiol., 1948, **155:** 432.—**Endō, K.** Tyōtanpa syōsya ni yoru nō-nai ondo zyōsyō ni tuite [Rise of the temperature in the brain due to irradiation with ultra-short waves] Tohoku igaku zassi, 1942, **31:** 14. ——— Tyōtanpa syōsya ni yoru nō no sosikigaku-teki henka ni tuite [Histological changes in the brain due to irradiation with ultra-short waves] Ibid., 69–79.—**Everdingen, W. A. G. v., & Noyons, A. K. M.** The irreducible metabolism and specific action of ultra short waves. Acta radiol., Stockh., 1940, **21:** 39–52.—**Fabre, P.** Modifications de l'excitabilité des nerfs sous l'action des ondes des haute fréquence entretenues. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 201–3.—**Farfel, M. N.** [Experimental investigation of the selective action of the electric waves of ultra-high frequency; experiments on site of selective thermal effect of ultra-high frequency on animal cadavers] Arkh. biol. nauk, 1940, **58:** 44–50.—**Feucht, B. L., Richardson, A. W., & Hines, H. M.** Effects of implanted metals on tissue hyperthermia produced by microwaves. Arch. Phys. M., 1949, **30:** 164–9.—**Frenkel, G. L.** [Effect of ultra-short- and decimetric waves upon the heart] Klin. med., Moskva, 1941, **5:** 32–40.—**Gandellini, A.** Modificazioni ematiche da applicazioni toraco-addominali di onde corte (6m) Boll. Soc. med. chir., Pavia, 1937, **51:** 985–1011. ——— Modificazioni ematiche da applicazioni sui centri della base di onde corte (6 m) Ibid., 1133–43.—**Gersten, J. W., Wakim, K. G.** [et al.] Effect of microwave diathermy on the peripheral circulation and on tissue temperature in man. Am. J. Physiol., 1948, **155:** 438. Also Arch. Phys. M., 1949, **30:** 7–25.—**Gesenius, H.** Ueber Tiefenhyperämie, zugleich ein Beitrag zur Wirkungsweise der Ultrakurzwellen. Deut. med. Wschr., 1936, **62:** 1533–7, pl.—**Hasché, E.** Quantitative Untersuchungen über die Wirkung von Kurzwellen auf lebendes Gewebe (Wellenlänge 3,5 m) Klin. Wschr., 1938, **17:** 1542–4. ——— Zur Kurzwellenwirkung auf Gewebe (Wellenlänge 3,5 m) Münch. med. Wschr., 1938, **85:** 1387–9.—**Hasimoto, S., & Takahasi, G.** Tyōtanpa tō-bu syōsya no hakkekkyū ketueki-zō ni oyobosu eikyō ni tuite [Effect upon leukocytes and blood picture of irradiation of the head with ultra-short waves] Tohoku igaku zassi, 1942, **31:** 21–7.—**Hillerson, A. B., & Voznaia, A. C.** [Effect of small doses of electric current of ultra-high frequency on the morphology of the sexual organs] Akush. gin., 1939, No. 2, 68–72.—**Horowitz, E. A., Gottesman, S.** [et al.] Temperature elevations during pelvic short oi ultra-short wave treatment. Arch. Phys. Ther., 1936, **17:** 422–32.—**Horváth, S. M., Miller, R. N., & Hutt, B. K.** Heating of human tissues by micro wave radiation. Am. J. M. Sc., 1948, **216:** 430–6. ——— Heating of human muscle tissue by micro waves. Fed. Proc., Balt., 1948, **7:** 58.—**Ionesco, V., Arama, O.** [et al.] L'action des ondes ultra-courtes sur les troubles physiopathiques. Bull. Soc. méd. hôp. Bucarest, 1940, **22:** 6–11.—**Jacobsen, V. C., & Hosoi, K.** The morphologic changes in animal tissues due to heating by an ultrahigh frequency oscillator. Arch. Path., Chic., 1931, **11:** 744–59.—**Kapelovich, U. J.** [Effect of ultra-high frequency on the excitability of the heart] Biull. eksp. biol. med., 1942, **13:** No. 3, 55.—**Khrenov, I. I.** [Systolic and minute volume of the heart during the action of ultra-high-frequency current] Fizioterapia, Moskva, 1939, No. 5, 30–4.—**Knudson, A., & Schaible, P. J.** Physiologic and biochemical changes resulting from exposure to an ultra-high frequency field. Arch. Path., Chic., 1931, **11:** 728–43.—**Kosman, A. J., Siems, L. L., & Osborne, S. L.** Effect of microwave diathermy on the peripheral circulation and on tissue temperature in man. Am. J. Physiol., 1948, **155:** 449.—**Kottke, F. J., Koza, D. W.** [et al.] Studies of deep circulatory response to short wave diathermy and microwave diathermy in man. Arch. Phys. M., 1949, **30:** 431–7.—**Kozenko, T. M.** [Effect of ultra-high frequency field on the function of denervated kidneys in the dog] Biull. eksp. biol. med., 1942, **13:** No. 3, 57–9.—**Kumano, T.** Tyō-tanpa no senso-kei e no sayō [The action of ultra-short waves upon the fibre cell system] Okayama igakkai zassi, 1947, **59:** 15.—**Kurbatova, I. N.** [General aspect of the action of decimetrical waves on the heart of cold-blooded animals] Fizioterapia, Moskva, 1940, **15:** No. 4, 59–63.—**Luc de Séguin & Pelletier, M.** Absorption des ondes d'ultra-haute fréquence (longueur d'onde 21 cm) par les tissus organiques. C. rend. Acad. sc., 1948, **226:** 1048–50.—**Mikawa, M.** Effect of heat and ultra-short wave rays on radiosensitivity; effect of ultra-short wave rays on the radiosensitivity of fowl embryo. Jap. J. Obst., 1938, **21:** 300–2.—**Mogendovich, M. R.** Effect of ultra-high frequency electric field (ultra-short waves) on the contractility of the striated muscle. Bull. biol. méd. exp. URSS, 1938, **6:** 323–6.—**Nakamura, H., Ito, C.** [et al.] A study on the influence of short and ultra-short waves on the function of cells, especially on the relation among the tissue respiration, the rise of temperature and the morphological change. Tr. Soc. path. jap., 1937, **27:** 76–85.—**Oikawa, S., Kuroda, N., & Watanabe, K.** Tyōtanpa no kokyū-undō ni oyobosu eikyō [The effect of ultrashort waves on respiratory movements] Hokkaido igaku zassi, 1942, **20:** 1419–29.—**Osborne, S. L., & Frederick, J. N.** Microwave radiations; heating of human and animal tissues by means of high frequency current with wavelength of 12 centimeters. J. Am. M. Ass., 1948, **137:** 1036–40. ——— The heating of human and animal tissues by means of high frequency current of 12 cms. wavelength (the microtherm) Q. Bull. Northwest. Univ. M. School, 1949, **23:** 222–8.—**Ponomarev, A. V., & Kambarova, O. I.** [Effect of ultra-high frequency on the nervous system and immunity reaction] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 193–202.—**Popov, N. A., & Vadimova, M. A.** [On the influence of the ultra-high frequency field upon the cerebral centres of the vegetative nervous system] Bull. biol. méd. exp. URSS, 1938, **5:** 490–2.—**Pratt, C. B., & Sheard, C.** Thermal changes produced in tissues by local applications of radiothermy. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32:** 766–71.—**Reznikova, L. O.** [Effect of ultra high frequency on the chronaxy of the transverse-striated muscles of the frog] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 137–44.—**Rozanova, O. S.** [Significance of the frequency factor in bio-effects of the ultra-high frequency fields; dependence of changes in the Türck reflexes on variations in the frequency of the electric field] Fizioterapia, Moskva, 1939, No. 2, 43; No. 4, 23.—**Saidman, J., Cahen, R., & Forestier, J.** Actions des champs électriques de très haute fréquence sur les tissus organiques. C. rend. Acad. sc., 1931, **192:** 452–4.—**Schaefer, H.** Hochfrequenzleitfähigkeit des Blutes bei Ultrakurzwellen von 3–6 m Wellenlänge. Klin. Wschr., 1933, **12:** 102. ——— Messung der Hochfrequenzabsorption des Blutes und seiner Komponenten im Bereich kurzer elektrischer Wellen von 3–6 m Wellenlänge. Zschr. ges. exp. Med., 1933–34, **92:** 341–50.—**Séguin.** Lois de l'absorption des micro-ondes par les tissus organiques (longueur d'onde 21 cm) Acta physiother. rheumat. belg., 1948, **3:** 197–204. ——— **Lasfargues, E., & Pelletier, M.** Augmentation de la vitesse d'extension de cultures de tissus irradiées par des micro-ondes (longueur d'onde 21 cm) C. rend. Acad. sc., 1948, **227:** 783–5.—**Séguin, L. de, Lefebvre, J., & Pelletier, M.** Action spécifique des micro-ondes sur les cultures de tissus. J. radiol. électr., 1949, **30:** 566–8.—**Sheard, C.** Thermal changes produced in various tissues of animals by systemic and local applications of radiothermy. Collect. Papers Mayo Clin., 1935, **27:** 1128–30.—**Shereshewsky, J. W.** The action of currents of very high frequency upon tissue cells. Pub. Health Rep., Wash., 1928, **43:** 927–45, pl.—**Siems, L. L., Kosman, A. J., & Osborne, S. L.** A comparative study of short wave and microwave diathermy on blood flow; the role of the somatic and sympathetic nerves in the vascular response to deep tissue heating. Arch. Phys. M., 1948, **29:** 759–64.—**Szymanowski, W., Kostine, A. P., & Jeanneret, H.** Les rayons ultra-courts ont-ils une action spécifique sur le coeur de la grenouille? Rev. méd. Suisse rom., 1940, **60:** 718–23.—**Takahasi, G.** Tyōtanpa no zyunkan keturyō ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon the quantity of circulating blood] Tohoku igaku zassi, 1942, **31:** 41–6. ——— Tyōtanpa no sinzō dōsa ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon the action of the heart] Ibid., 54–61, 4 pl. ——— **Hasimoto, S., & Takahasi, T.** Tyōtanpa no tyōkan no undō ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon movements of the intestinal canal] Ibid., 62–4. ——— Tyōtanpa no kokkakukin ni oyobosu eikyō ni tuite [Effect of ultra-short waves upon the skeletal muscles] Ibid., 65–8, 2 pl.—**Taylor, H. J.** The relative rise in temperature of tissues heated in the high frequency field. Brit. J. Phys. M., 1938, n. ser., **1:** 82–5.—**Tosatti, E.** L'azione delle onde ultracorte sulla eccitabilità neuromuscolare. Boll. Soc. ital. biol. sper., 1939, **14:** 394–6.—**Watanabe, K., Oikawa, S., & Kuroda, N.** Tyōtanpa no ketuatu ni oyobosu eikyō ni tuite [The effect of ultrashort waves on blood-pressure] Hokkaido igaku zassi, 1942, **20:** 1651–61.

—— Pathological effect.

Andriasheva, N. M. [Industrial trauma due to ultra high frequency, and protective measures] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 373–9.—**Bodrova,**

N. V. [Allorhythmia from ultra-high frequency waves on the cardiac sinus] J. méd., Kiev, 1939–40, **10**: 537–49.—**Couturat, J.** Les épidémies et les perturbations électromagnétiques du milieu extérieur. Presse méd., 1940, **48**: 909.—**Endō, K.** Tyōtanpa syōsya no dōbutu no tisi-zikan narabi-ni taion ni oyobosu eikyō [Length of ultrashort wave irradiation fatal to small animals] Tohoku igaku zassi, 1942, **31**: 1–13.—**Everdingen, W. A. G. v.** [Molecular changes caused by irradiation with hertzian waves with frequency of 1875 megahertz] Ned. tschr. geneesk., 1940, **84**: 4370–80. ——— Moleculaire veranderingen en structuurwijzigingen tengevolge van bestraling met golven van Hertz met een golflengte van 10 centimeter (frequentie 3000 megahertz) Ibid., 1941, **85**: 3094–104. ——— Sur l'altération moléculaire et structurale par irradiation avec des ondes hertziennes de 16 et 10 centimètres (1875 et 3000 mhz.) transformations moléculaires; influence sur le cancer du goudron; métabolisme hépatique et problème du cancer. Rev. belge sc. méd., 1946, **17**: 261–83.—**Frenkel, G. L.** [Electric field of ultra-high frequency (ultrashort waves) as a new method in experimental pathology] Arkh. pat. anat., Moskva, 1939, **5**: 7–28.—**Imig, C. J., Thomson, J. D., & Hines, H. M.** Testicular degeneration as a result of microwave irradiation. Proc. Soc. Exp. Biol., N. Y., 1948, **69**: 382–6.—**Kling, D. H.** Burns, produced by radio short wave and ultra-short wave therapy and their prevention. J. Am. M. Ass., 1935, **104**: 1981–4.—**Oldendorf, W. H.** Focal neurological lesions produced by microwave irradiation. Proc. Soc. Exp. Biol., N. Y., 1949, **72**: 432–4, illust.—**Richardson, A. W., Duane, T. D., & Hines, H. M.** Experimental lenticular opacities produced by microwave irradiations. Arch. Phys. M., 1948, **29**: 765–9.—**Salisbury, W. W., Clark, J. W., & Hines, H. M.** Exposure to microwaves. Nuclear Sc. Abstr., 1949, **3**: 223.—**Scopesi, M.** A proposito dell'allergia cutanea di fronte alle radiazioni di breve lunghezza d'onda. Dermosifilografo, 1941, **16**: 127–44.—**Tolone, S.** Le alterazioni istopatologiche encefaliche da onde corte. Boll. Soc. ital. biol. sper., 1944, **19**: 303.—**Tomberg, V.** L'effet destructif des microondes en biologie; pourrait-on les employer comme arme de guerre? Acta physiother. rheumat. belg., 1948, **3**: 295–309.

—— Physics.

SCHAEFER, H. Die physikalischen und technischen Grundlagen der Ultrakurzwellentherapie. p.11–76. 4° Lpz., 1938.
In: Erg. biophys. Forsch. (B. Rajewsky) Lpz., 1938, **1**:

SCHWARZ, G. *Untersuchungen über den Einfluss geometrischer Faktoren auf die Erwärmung eines Objektes im Ultrakurzwellenfelde. 46p. 24cm. Basel, 1939.

Bauwens, P. Ultra-high frequency. Brit. M. J., 1936, **2**: 328-30.—**Belickaia, F. S.** [Absorption of electromagnetic energy in transversal ultra-high frequency irradiation of the electrolyte] Fizioterapia, Moskva, 1939, No. 6, 36–41.—**Bowles, E. L.** Ultrahigh-frequency research and technique. Yearb. Carnegie Inst. Washington, 1941, No. 40, 140.—**Capaldi, B.** Beitrag zum Studium der Reproduzierbarkeit von Bestrahlungsbedingungen im Ultrakurzwellenkondensatorfeld. Radiol. Rdsch., 1933, **2**: 197–201.—**Delherm, L., & Cremer, V.** Les différentes conceptions des ondes courbes et ultra-courts. Prat. méd. fr., 1935, **16**: 437–45.—**Delherm, L., & Fischgold, H.** Longeur d'onde et spécificité des ondes courtes. Atti Accad. med. lombarda, 1935, **24**: 221–8.—**Errera, J.** La dispersion des ondes hertziennes dans les solides au voisinage du point de fusion. J. phys. radium, Par., 1924, 6. ser., **5**: 304–11.—**Esau, A., Pätzold, J., & Ahrens, E.** Temperaturmessungen an geschichteten biologischen Geweben bei Frequenzen von $\nu = 2{,}7 \times 10^7$ Hz bis $\nu = 1{,}2 \times 10^9$ Hz. Naturwissenschaften, 1936, **24**: 520.—**Fano, R. M., & Lawson, A. W.** The theory of microwave filters. In: Microwave Transmiss. Circuits (Ragan, G. L.) N. Y., 1948, 540–612.—**Farfel, M. N.** [On the question of screens in working with ultra-high frequency current] Fizioterapia, Moskva, 1939, No. 2, 40–2.—**Gale, C. K.** Some physical and clinical aspects of ultrashort waves. Arch. Phys. Ther., 1936, **17**: 712–6.—**Girard, P., & Abadie, P.** Recherches expérimentales sur la dispersion de liquides polaires dans le domaine hertzien. C. rend. Acad. sc., 1932, **195**: 119–21.—**Habicht, F. P.** Physikalisch-biologische Zusammenhänge bei der Ultrakurzwellenbehandlung. Strahlentherapie, 1934, **51**: 532–6.—**Harden, B. N.** Measurement of microwave diffraction patterns. Europ. Sc. Notes, 1949, **3**: 392.—**Heston, W. M.,** jr, **Hennelly, E. J., & Smyth, C. P.** Microwave absorption and molecular structure in liquids; measurement in organic halides at 1.27 cm. wave length. J. Am. Chem. Soc., 1948, **70**: 4093–7. ——— Microwave absorption and molecular structure in liquids; dielectric relaxation and structure in organic halides. Ibid., 4102–11.—**Jellinek, S.** Zur Biophysik der ultrakurzen Wellen. Med. Klin., Berl., 1934, **30**: 799–801.—**Keutner, E., & Potapenko, G.** On the dispersion and absorption of ultra-short electric waves. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 135.—**Kling, D. H.** Investigation of electrostatic and magnetic field of short and ultrashort waves (radiathermy) Arch. Phys. Ther., 1936, **17**: 352–60.—**Königer, A.** Zur Frage der athermischen wellenspezifischen Einwirkungen Hertzscher Kurzwellen auf Materie. Strahlentherapie, 1936, **57**: 708–10.—**Kotani, M.** Micro-ha bunkōgaku [Microwave spectroscopy] Kagaku, 1949, **19**: 482–90.—**Kugushev, A. M.** [Physical nature of the action of currents of ultra-high frequency] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 26–50.—**Laquer, H. L., & Smyth, C. P.** Microwave absorption and molecular structure in liquids; measurement in organic halides at 3.22 cm. wave length. J. Am. Chem. Soc., 1948, **70**: 4097–102.—**McAfee, K. B.,** jr, **Hughes, R. H., & Wilson, E. B.,** jr. A Stark-effect microwave spectrograph of high sensitivity. Rev. Sc. Instrum., 1949, **20**: 821–6. Also Nuclear Sc. Abstr., 1950, **4**: 285.—**Meng, C. Y., & Potapenko, G.** On the generation of the shortest electric waves. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 109–11.—**Meyer, B.** Harte und weiche Ultrakurzwellen. Schweiz. med. Wschr., 1942, **72**: 1286.—**Microwave** measurement standards. J. Franklin Inst., 1949, **247**: 156–61.—**Microwave** research at the Compagnie générale de télégraphie sans fils, Paris. Europ. Sc. Notes, 1949, **3**: 132.—**N., R. L.** Ultra-high frequency phenomena. Current Sc., Bangalore, 1941, **10**: 157.—**Pätzold, J.** Zur Physik der Ultra-Kurzwellen-Therapie; das Wellenband der selektiven Erwärmung. Strahlentherapie, 1932, **45**: 645–52. ——— Die physikalischen Grundlagen der Ultrakurzwellentherapie. Med. Klin., Berl., 1934, **30**: 579–81. ——— Mitteilungen über Messungen an biologischen Phantomen mit sehr kurzen Wellen grosser Leistung. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 211. Also Strahlentherapie, 1937, **60**: 700–5. ——— **& Schliephake, E.** Zur Physik und Biologie der Ultrakurzwellentherapie. Radiol. Rdsch., 1935, **4**: 1–14.—**Potapenko, G.** On the measurement of the dispersion and absorption of ultra-short electric waves in dielectrics. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 153.—**Rajewsky, B.** Biophysik der Ultrakurzwellen. Ibid., 229. ——— Aktuelle Probleme der biophysikalischen Forschung auf dem Gebiete der Kurz- und Ultrakurzwellen. In: Erg. biophys. Forsch. (B. Rajewsky) Lpz., 1938, 1: 1–10. ——— The biophysical basis of ultra-short wave therapy. Radiology, 1938, **31**: 697–706. ——— **& Schaefer, H.** Physikalische Grundlagen der Ultrakurzwellentherapie. Deut. med. Wschr., 1937, **63**: 1065–70. ——— Physikalische Grundlagen der Lang-, Kurz- und Ultrakurzwellenbehandlung. In: Erforsch. Wärmebehandl. (Frankf. Konf. med. naturwiss. Zusammenarb.) 1937, 2. Konf., 71–94; Disc., 114–26.—**Robertson, J. K., Kenney, J. R., & Nixon, W. C.** Discharges excited by microwaves. Nature, Lond., 1949, **164**: 100.—**Schaefer, H.** Physikalische Gesichtspunkte zur medizinischen Anwendung der Ultrakurzwellen. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 184. ——— Biophysikalische Betrachtungen zur Frage der Wellenlängenabhängigkeit der Energieentfaltung im ultrakurzwellendurchfluteten Körpergewebe. Fortsch. Röntgenstrahl., 1938, **58**: Tagungsh., 65–7.—**Séguin, L. de.** Bases biophysiques de l'application thérapeutique des micro-ondes. J. radiol. électr., 1949, **30**: 458–61.—**Sheppard, P. A.** Radio meteorology; influence of the atmosphere on the propagation of ultra-short radio waves. Nature, Lond., 1946, **157**: 860–2.—**Southworth, G. C.** New experimental methods applicable to ultra-short waves. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 67.—**Stoyko, N.** Sur l'interférence des ondes radioélectriques courtes dans le cas de superpropagation. C. rend. Acad. sc., 1934, **198**: 1589–91.

—— Radar range [10cm to 1cm]

See also **Radar.**

Austin, G. M., & Horváth, S. Production of convulsions in rats by exposure to ultra high frequency electrical currents (radar) Am. J. M. Sc., 1949, **218**: 115.—**Daily, L. E.** A clinical study of the results of exposure of laboratory personnel to radar and high frequency radio. U. S. Nav. M. Bull., 1943, **41**: 1052–6.—**H., E. G.** Radar, no evidences of injurious effects from. Bumed News Lett., Wash., 1943, **1**: No. 9, 17.—**Krusen, F. H., Herrick, J. F.** [et al.] Microkymatotherapy; preliminary report of experimental studies of the heating effect of microwaves (radar) in living tissues. Proc. Mayo Clin., 1947, **22**: 209–24.—**Leden, U. M., Herrick, J. F.** [et al.] Preliminary studies on the heating and circulatory effects of microwaves, radar. Brit. J. Phys. M., 1947, **10**: 177–84.—**Lidman, B. I., & Cohn, C.** Effect of radar emanations on the hematopoietic system. Air. Surgeon Bull., 1945, **2**: 448.—**Radar,** no evidence of injury to personnel; discontinuation of dental film, paper fastener test [form letter] Bumed News Lett., Wash., 1943, **2**: No. 5, 26.—**Sheldon, L.,** jr. Radar operation not harmful to the eyes. Ibid., 1944, **3**: No. 10, 30.—**Wakim, K. G., Leden, U. M.** [et al.] The effects of heating by microwaves on venous return. Fed. Proc., Balt., 1947, **6**: 221.

—— Television range (Ultrashort wave) [10m–1m]

See also other subdivisions. For its use in surgical instruction see also **Television.**

Radio never hurt anyone's ears but what can television do to your eyes? Sc. Illust., N. Y., 1949, **4**: No. 7, 66.—**Rones, B.** Does television damage the eyes? Sightsav. Rev., 1949, **19**: 127–31.

—— Therapeutic use.

See also **Diathermy; Electrotherapy,** high frequency; **Fever therapy; Heat,** Therapeutic use **Short wave,** Therapeutic use; **Thermotherapy.**

Dieffenbach, W. H. Ultra short wave therapy, a new and important medical discovery. 87p. 8° N. Y., 1936.

Saidman, J., & Cahen, R. Les ondes hertziennes courtes en thérapeutique. 135p. 8° Par., 1931.
In: Ann. Inst. actin., Par., 1931-32, 5:

Salas Quezada, A. Estado actual de la diatermia de onda larga, corta y ultracorta. 23p. 23½cm. Concepción, 1939.

Akimoto, Y. Tyōtanpa ryōhō no tiyu seiseki [Curative results of treatment with ultra-short waves] Acta derm., Kyoto, 1938, **32**: 317.—**Barunin, I.** [Investigations on clinical use of electrical field of ultra-high frequency or Hertz' radiowaves] Voen. san. delo, 1937, No. 11, 73–82. ——— [Principles of the therapeutic effect of an electric field of ultra-high frequency] Kazan. med. J., 1939, **35**: No. 7, 87–93.—**Bistriceanu, I.** [New data on ultra-short-wave therapy] Rev. şt. med., Bucur., 1938, **27**: 537–43.—**Bouška, J.** Nové poznatky při léčení kondensátorovým polem. Věst. Cesk. fysiat. spol., 1948, **27**: 188–92.—**Brünner-Ornstein, M.** Zur Frage der Wärmetherapie mittels ultrakurzer elektromagnetischer Schwingungen. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 342.—**Brugsch, H., & Pratt, J. H.** Short wave and ultra short wave diathermy. Am. J. M. Sc., 1939, **197**: 653–63.—**Brunswick, E. L.** Short and ultra-short wave therapy. Am. J. Phys. Ther., 1936, **13**: 5–7.—**Cabitto, L.** La terapia con onde corte ed ultracorte. Osp. maggiore Novara, 1935, **12**: 640–54.—**Caso, G.** La terapia con le onde corte ed ultracorte. Fol. med., Nap., 1935, **21**: 85–93.—**Díaz Quiñones, M.** Diatermia, onda corta y ultra corta aplicadas en clínica. Arch. hosp., Habana, 1940, **11**: 207; passim.—**Dieffenbach, W. H.** Ultra short wave therapy. J. Am. Inst. Homeop., 1935, **28**: 679–82.—**Egan, W J.** Clinical experiences with ultra short wave therapy. Wisconsin M. J., 1936, **35**: 192–5.—**Ezerin, E. M.** [On application of ultra-short waves in therapy] In: Nerv. trof. (Speransky, A. D.) Moskva, 1936, **2**: 411–22. Also Gaz. clín., S. Paulo, 1942, **40**: 167–74.—**Frenkel, G. L.** [Ultra-high frequency waves for the past 5 years; basic trend of work (1935–39)] Fizioterapia, Moskva, 1940, **15**: No. 2, 108–13.—**Freund, E., & Isler, L.** Behandlung mit Ultrakurzwellen. Wien. med. Wschr., 1937, **87**: 203–6.—**Friederwitzer, H. H.** The ultrashort wave; theory and practice, with a review of 94 cases treated. Med. Rec., N. Y., 1936, **144**: 399–401.—**Friedrich.** Diathermie mit Ultra-Kurzwellen. Umschau, 1931, **35**: 698.—**Gale, C. K.** Moot aspects of short and ultrashort wave therapy. Arch. Phys. Ther., 1935, **16**: 80–3.—**Ginsberg, A. J.** Ultra-short radio waves as a therapeutic agent. Med. Rec., N. Y., 1934, **140**: 651–3.—**Gyarmati, L.** [Ultra short wave therapy] Gyógyászat, 1936, **76**: 183–7.—**Hallberg, J. H.** Ultrashort wave therapy development. J. Am. Electron. Res. Ass., 1934, **11**: 317–21. ——— Ultrashort wave therapy and tuning. Ibid., 1935, **12**: 137–41. ——— Ultrashort wave selective therapy. Ibid., 1939, **16**: 17; 40.—**Harrison, W. J.** Ultra-short wave therapy. Dent. Rays, Pittsb., 1935–36, **11**: 94.—**Hathaway, J. L.** Short-wave radiotherapy system. U. S. Patent Off., 1940, No. 2,223,447.—**Heegenvaldt, E.** Tratamiento con ondas ultra-cortas. Rev. med. aliment., Santiago, 1933–35, **1**: 227.—**Hillerson, A. B.** [Applications of short and ultrashort-wave in medicine] Centr. ref. med. J., Moskva, 1935, **15**: 5–31.—**Hollmann, H. E.** Das Problem der Behandlung biologischer Körper im Ultrakurzwellenstrahlungsfeld. In: Erg. biophys. Forsch. (B. Rajewsky) Lpz., 1938, **1**: 232–49.—**Kling, D. H.** Results of short wave and ultrashort wave therapy (radiothermy) Arch. Phys. Ther., 1935, **16**: 88–95.—**Kondō, K.** Tyōtanpa ryōhō no tiyu seiseki; tuika [treatment with ultra-short waves] Acta derm., Kyoto, 1938, **32**: 318.—**Liebesny, P.** Strahlentherapie mit elektromagnetischen kurzen und ultrakurzen Wellen. Aerztl. Prax., Wien, 1933, **7**: 68–73.—**Lubowe, I. S.** Ultra-short-wave therapy. Am. Med., 1936, **42**: 169–71.—**Microwave** therapy. Brit. M. J., 1950, **1**: 1264.—**Mouromtseff, I. E.** Ultra high frequency for therapeutic purposes. U. S. Patent Off., 1941, No. 2,259,318.—**Nedler, E. A.** [Bibliographical index of works on the biological action and therapeutic application of ultra high frequency] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 413–69.—**Noack.** Ultrakurze elektromagnetische Wellen eignen sich für Diathermie und Therapie. Münch. med. Wschr., 1928, **75**: 1763.—**Oliva, J. S.** Terapéutica por ondas cortas y ultracortas. Med. fís., B. Air., 1949, **11**: 99–106.—**Pätzold, J.** Spezielle Fragen zur Ultrakurzwellentherapie. Strahlentherapie, 1936, **57**: 627–31. ——— Newer studies on the clinical application of very short electrical waves. Radiology, 1938, **31**: 707–12.—**Ravault, P., Ceccaldi, A., & Duranceau.** De l'utilisation thérapeutique des ondes hertziennes courtes. Lyon méd., 1932, **150**: 3; 33.—**Réchou, Wangermez** [et al.] Les ondes courtes et ultra-courtes en thérapeutique. Arch. électr. méd., 1933, **41**: 291–321.—**Richter, W.** Allgemeine Betrachtungen zu der Diathermie-Kurzwellen- und Ultra-Kurzwellenbehandlung. Derm. Wschr., 1937, **105**: 1237–42.—**Ryvlin, L. S.** [Results in therapeutic application of ultra-high frequency] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 380–410.—**Salas Quezada, A.** Estado actual de la diatermia de onda larga, corta y ultracorta. Rev. odont., B. Air., 1939, **27**: 118–27.—**Schliephake, E.** Ultrashort waves in medicine. Phys. Ther., 1931, **49**: 415–8. Also Umschau, 1932, **36**: 845–9. ——— La terapéutica por ondas ultracortas. Día méd., B. Air., 1932–33, **5**: 1014. Also Orv. hetil., 1933, **77**: 191–5. Also Brit. J. Phys. M., 1934, **9**: 196–8. Also J. radiol. électr., 1935, **19**: 274–9. ——— The importance of ultra-high frequency therapy. Arch. Phys. Ther., 1933, **14**: 389–92. ——— Ultra-short electric waves; a new development in diathermy. Brit. J. Phys. M., 1933, 8: 69–71. ——— Die klinische Verwendung der elektrischen Ultrakurzwellen. Klin. Fortbild., 1933, **1**: 475–516. Also Neue deut. Klinik, 1933, **11**: 475–516. ——— Krankenbehandlung mit sehr kurzen elektrischen Wellen. Zbl. inn. Med., 1933, **54**: 977; 993. ——— Biologie und Klinik der Ultrakurzwellentherapie. In: Erforsch. Wärmebehandl. (Frankf. Konf. med. naturwiss. Zusammenarb.) 1937, 2. Konf., 95–126. ——— Der gegenwärtige Stand der klinischen Erfahrungen in der Ultrakurzwellentherapie. In: Erg. biophys. Forsch. (B. Rajewsky) Lpz., 1938, **1**: 250–98.—**Schmidt, W. H.** Ultrashort wave therapy. Arch. Phys. Ther., 1936, **17**: 231–5.—**Shehadi, W.** Les ondes courtes et ultra-courtes en thérapeutique. Ann. Fac. fr. méd. pharm. Beyrouth, 1936, **5**: 373.—**Swanson, J.** Treatment with the ultra short wave current. Nat. Eclect. M. Ass. Q., 1942–43, **34**: No. 4, 32–7.—**Trossbach, H.** Use of the ultrashort wave apparatus in the alleviation and cure of disease. Med. Rec., N. Y., 1936, **143**: 414–6.—**Ultrakurzwellentherapie** mit Wellen unter sechs Meter. Radiol. clin., Basel, 1947, **16**: 147.—**Ultra-short** wave therapy. Med. Press & Circ., Dubl., 1935, **190**: 571–3.—**Vaernet, C.** [Ultra-short wave and short wave therapy] Ugeskr. laeger, 1934, **96**: 115–24.—**Verde, M.** Le onde corte ed ultra corte in terapia. Pediatria (Riv.) 1935, **43**: 211–7.—**Walawski, H.** [Short and ultra-short waves in medicine] Pedjat. polska, 1935, **15**: 271–307.—**Wegelius, C.** [Ultra-short waves in medicine] Fin. läk. säll. hand., 1935, **77**: 442–60.—**Weissenberg, E.** Biologische Wirkungen und therapeutische Anwendungsmöglichkeiten kleinster Hochfrequenzenergien, insbesondere der Kurzwellen. Wien. klin. Wschr., 1935, **48**: 588–92.—**Went, J. M. v.** [Ultra short-wave therapy] Ned. tschr. geneesk., 1937, **81**: 1588.—**Wittenbeck, F.** Weitere Erfahrungen mit der Ultrakurzwellentherapie in der Gynäkologie. Strahlentherapie, 1934, **50**: 348–50.

—— Therapeutic use: Dosage, and indication.

Babin-Chevaye, A. *Les ondes hertziennes courtes; leur utilisation thérapeutique dans les maladies de la nutrition. 102p. 8° Par., 1933.

Hegedüs, E. *Les ondes hertziennes courtes et leurs applications en gynécologie. 70p. 8° Par., 1935.

Barunin [Use of ultra-short waves in treatment of various diseases] Voen. san. delo, 1935, 59–61.—**Besuch, H.** Das Wesen der Ultrakurzwellen und ihre therapeutische Ausnützung in der Stomatologie. Zschr. Stomat., Wien., 1933, **31**: 958–61.—**Bistriceanu, I. V.** [Deep cranio-maxillary-facial radiothermy with short and ultra-short waves] România med., 1934, **12**: 294.—**Brass, H.** Ultra-short wave therapy in veterinary medicine. Vet. Bull., Lond., 1942, **12**: 178.—**Bürki, E.** Ueber Ultrakurzwellentherapie in der Ophthalmologie. Ophthalmologica, Basel, 1940, **100**: 43–67.—**Dereviagin, M. P.** [Counter-indications for the application of the electric field of ultra-high frequency during pregnancy] Fizioterapia, Moskva, 1940, **15**: No. 4, 17–21.—**Deutsch, J. I.** [Ultra-short waves in treatment of internal diseases] Radianska med., 1939, **4**: No. 3, 57–64.—**Freire, M. A.** Las ondas ultra-cortas en el tratamiento de las ginecopatías. Prensa méd. argent., 1937, **24**: 2338–56.—**Fritsch, V.** Das Dosierungsproblem in der Ultrakurzwellenmedizin vom Standpunkt der Funkphysik. Strahlentherapie, 1938, **62**: 733–5.—**Galata, G.** [Analysis of corrections for the basic parameters in the Tatarinova-Guliaeva-Ushinskaia method of dosage in ultra-high frequency therapy] Fizioterapia, Moskva, 1941, No. 3, 65–7.—**Govea, J., & Fernández Brito.** Tratamiento de ciertos casos de hipertensión arterial por radiaciones de ondas ultra-cortas transcerebrales. Rev. cubana cardiol., 1945, **6**: 43–6.—**Grinevich, V. M.** [Short- and ultra-short-waves in dermatology and venerology] Fizioterapia, Moskva, 1939, No. 2, 71–8.—**Hallberg, H. J.** Ultra-short wave therapy from the selective aspect. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 337–9.—**Hasché, E., & Leunig, H.** Zur Dosierungsfrage in der Ultrakurzwellentherapie; Einfluss von Feldstärke und Frequenz auf Staphylokokken und Streptokokken in vitro. Strahlentherapie, 1934, **50**: 351–6.—**Hill, T.** Zur Frage der Dosierung in der Ultrakurzwellentherapie. Med. Mschr., 1947, **1**: 121–3.—**Hoeffler, H.** Erste Erfahrungen mit der Ultrakurzwellentherapie im Kindesalter. Kinderärztl. Prax., 1934, **5**: 291–5.—**Hollmann, H. E.** Zum Problem der Ultrakurzwellenbehandlung durch Anstrahlung. Strahlentherapie, 1939, **64**: 691–702.—**Katō, K.** Sanhuzinka-ryōiki ni okeru tyōtanpa-tyōhō seiseki ni tuite [Ultra-short-wave therapy in obstetrics] Mitt. Jap. Ges. Gyn., 1936, **31**: 1028.—**Koleszár, L.** Der Wert der Ultrakurzwellenbehandlung in der Hals-Nasen-Ohrenheilkunde. Mschr. Ohrenh., Wien, 1937, **71**: 1089–95. Also Cluj. med., 1938, **19**: 612–8.—**Liebesny, P.** Welches sind die Indikationen und Kontraindikationen der Kurzwellentherapie und muss man je nach Art der Erkrankung mit Kurzwellen verschiedener Wellenlänge bestrahlen? Wien. klin. Wschr., 1934, **47**: 55–7.—**Michelson, V.** Einfluss der UKW auf einige patho-physiologische Prozesse

im Organismus und die UKW-Behandlung einiger innerer Erkrankungen. Ref. Internat. Kongr., Kurzwellen, 1937, 1. Kongr., 246–9. Also Wien. med. Wschr., 1937, **87**: 762–4.—**Mogendovich, M. R.** [Ultra-short-wave therapy and stomatology] Stomatologia, Moskva, 1939, No. 1, 71.—**Mottola, N.** Quali sono le indicazioni e controindicazioni della terapia della onde corte, e se si deve irradiare con onde di diversa lunghezza a seconda del genere di malattia. Morgagni, 1934, **76**: 430–2.—**Pätzold, J.** Zum Problem der Ultrakurzwellenbehandlung durch Einstrahlung. Fortsch. Röntgenstrahl., 1938, **58**: Tagungsh., 69; Disc., 74–6. ——— & **Wittenbeck, F.** Die Ultrakurzwellentherapie in der Gynäkologie. Strahlentherapie, 1933, **47**: 540–6.—**Reisinger, C.** Leistungsmessung von Hochfrequenz, besonders als Dosimeter für Kurzwellen und Ultrakurzwellen. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 142.—**Schaefer, H., & Schäfer, W.** Zur Frage der Dosismessung im Ultrakurzwellen-Kondensatorfeld. Zschr. ges. exp. Med., 1936–37, **100**: 691–705.—**Schliephake, E.** Die Ultra-Kurzwellentherapie in der inneren Medizin. Wien. klin. Wschr., 1933, **46**: 1216–20. Also Aerztl. Prax., Wien, 1934, **8**: 249–52.—**Schwarz, G.** Die Senderleistung und das Dosismessproblem in der Ultra-Kurzwellentherapie. Ref. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 145–9.—**Sei, S.** Ueber die Erfolge der Ultrakurzwellentherapie in der Chirurgie. J. Chosen M. Ass., 1940, **30**: 421–31.—**Stock, J. P. P.** Treatment of sepsis and trauma by 3 to 6 metre shortwave currents. Brit. M. J., 1940, **1**: 1012–4.—**Takaglsi, E.** Ueber eine Dosismessmethode für die Ultrakurzwellentherapie. Strahlentherapie, 1940, **67**: 152–8.—**Tatarinov, V. V., & Belickaia, F. S.** [Notes on the dosage of ultra high frequency] In: Biol. deist. ultravys. chast. (Kupalov, P. S. et al.) Moskva, 1937, 84–8.—**Totigi, M.** Tyōtanpa-ryōhō no kōka ni oyobosu tōsya-hatyō narabi-ni yōryō no eikyō ni kan-suru zikken-teki kenkyū [Experimentelle Untersuchung über den Einfluss der bestrahlten Wellenlängen und Dosis auf die Wirkung der Ultrakurzwellentherapie] Mitt. Jap. Ges. Gyn., 1938, **33**: 1468–91.—**Vályi, S.** [Ultra-short wave therapy in acute purulent surgical diseases] Orv. hetil., 1939, **83**: 491.—**Volkova, E. P.** Lechenie elektricheskim polem ultravysokoi chastoty ostrykh vospalitelnykh processov; metodika obluchenija i dozirovka. Vest. khir., 1948, **68**: No. 5, 77.—**Wilson, J.** Ultra-short wave treatment in gynaecology. Brit. J. Phys. M., 1939, n. ser., **2**: 208–14.

—— Therapeutic use, experimental.

Miura, W. Tyōtan-denpa no igaku-teki kenkyū [Medical studies on ultra-short electrical waves] [63]p. 25cm. Sendai, 1937.

In: Tohoku igaku zassi, 1937, **20**: 207; 678.

Effect of high-frequency field (ultra-short wave) on tumours. Annual Rep. Brit. Empire Cancer Campaign, 1936, **13**: 197.—**Frenkel, G. L.** [Experimental attempts in use of the electric field of ultra-high frequency] Tr. Ukrain. sezd. terapeutov (1936) 1939, 4. Congr., 208–14. Also Ter. arkh. 1937, **15**: 883–93. ——— [Experimental application of ultra-short waves in surgical practice] Vest. khir., 1941, **61**: 435–45.—**Heller, R.** Lokalisierte Durchwärmung und Gewebszerstörung mittels Ultrakurzwellen. Zschr. ges. exp. Med., 1932, **83**: 299.—**Herrick, J. F., Krusen, F. H.** [et al.] Experimental studies on microwaves and possible applications in physical medicine. Fed. Proc., Balt., 1947, **6**: 129.—**Langendorff, H., & Langendorff, M.** Untersuchungen über die Ultrakurzwellenwirkung auf Impftumoren. Strahlentherapie, 1939, **64**: 512–9.—**Malov, N. N., Obrosov, A. N., & Friedman, L. V.** [On the application of decimetric waves in biology and experimental medicine] Fizioterapia, Moskva, 1940, 15–26.—**Mikawa, M.** Effect of heat and ultra-short wave rays on radiosensitivity; effect of heat and ultra-short wave rays on the tissue respiration and glycolysis of rabbit spleen and malignant tumor. Jap. J. Obst., 1938, **21**: 303–5.—**Nobuoka, N.** Ueber den Einfluss der Ultrakurzwellendurchflutung auf das Wachstum des Kaninchensarkoms; Einfluss der lokalen Durchflutung auf den ganzen Körper eines Individuums. Gann, Tokyo, 1939, **33**: 294–314.—**Research** on the action of short wireless waves; controlled tumour-heating in vivo with ultra-short waves. Annual Rep. Brit. Empire Cancer Campaign, 1940, **17**: 141–3.—**Slavsky, G. M.** [Experimental bases for the methods in therapeutic application of short- and ultra-short waves with discussion] Tr. Ukrain. sezd. terapeutov (1936) 1939, 4. Congr., 216–25.—**Sokolnikov, A. I.** [Biochemical principles of clinical application of ultra-short waves] Ibid., 214–6.—**Wakim, K. G., Herrick, J. F.** [et al.] Therapeutic possibilities of microwaves; experimental and clinical investigation. J. Am. M. Ass., 1949, **139**: 989–93.

MICROZOON.

See **Protozoon.**

MICROZYME.

See also **Enzyme.**

Béchamp, G. Sur les microzyma cretae. C. rend. Acad. sc., 1913, **156**: 1570.—**Dubois, R.** Microzymas, coccolithes de la craie et vaculoides. C. rend. Ass. fr. avance. sc. (1913) 1914, **42**: 562–5.

MICRURGY [1927 Péterfi]

See also **Bacteriology,** Methods; **Cytology,** Methods; **Micromanipulation; Microtechnic; Microtool.**

Fonbrune, P. de. Technique de micromanipulation. 203p. 25½cm. Par., 1949.

Reyniers, J. A. Micrurgical and germ-free techniques. 274p. 23cm. Springf., 1943.

Chakhotine, S. Analyse du mécanisme de la cyclose chez la paramécie au moyen de la micropuncture ultra-violette. C. rend. Soc. biol., 1939, **130**: 738–40.—**Chambers, R.** Etudes de microdissection; les structures mitochondriales et nucléaires dans les cellules germinales males chez la sauterelle. Cornell Univ. Stud. Anat., 1925–26, **11**: Repr. 5, 2 pl. ——— The nature of the living cell as revealed by micromanipulation. In: Colloid Chem. (Alexander, J.) N. Y., 1928, **2**: 467–86. ——— The micromanipulation of living cells. In: Pub. Am. Ass. Advance. Sc., 1940, No. 14, 20–30. ——— Micrurgical studies on protoplasm. Biol. Rev. Cambridge Philos. Soc., 1949, **24**: 246–65.—**Comandon, J., & de Fonbrune, P.** Sortie d'une hémogrégarine de son kyste endoglobulaire, obtenue par une nouvelle technique de microdissection. C. rend. Soc. biol., 1932, **111**: 999–1001.—**Doty, M. S.** A useful sectioning technique. Science, 1949, **110**: 118.—**Fonbrune, P. de.** La cytochirurgie et ses moyens techniques. J. méd. Bordeaux, 1941, **118**: 825–37. ——— Méthodes de micromanipulations. Ibid., 1943, **120**: 131. ——— Les micro-injections. In his Techn. micromanip., Par., 1949, 114–28. ——— Cytochirurgie. Ibid., 167–82, illust. ——— Micro-injections et cicatrisation cellulaire. Ibid., 179–82.—**Harder, R.** Ueber mikrochirurgische Operationen an Hymenomyzeten. Zschr. wiss. Mikr., 1927, **44**: 173–82.—**Himmelweit, F.** New microsurgical methods and their use in the study of infection and immunity, as demonstrated by tissue cultures infected with Spirochaeta gallinarum. Arch. exp. Zellforsch., 1934, **15**: 452.—**Kopac, M. J.** Some micrurgical applications of surface chemistry. Anat. Rec., 1941, **81**: Suppl., 73 (Abstr.) ——— Micrurgical application of surface chemistry to the study of living cells. In: Micrurg. & Germfree Techn. (Reyniers, J. A.) Springf., 1943, 26–71.—**Krontovksy, A.** [Micro-operations on cell and tissue cultures] Vrach. delo, 1927, **10**: 985–8.—**Kyo, K.** Ueber die Anwendung der Mikrurgie in der Bakteriologie und ihre Technik. J. Chosen M. Ass., 1935, **25**: 50.—**Micro-surgery.** Sc. Illust., N. Y., 1947, **2**: No. 10, 99.—**Péterfi, T.** Die Mikrurgie der Gewebskulturen. Arch. exp. Zellforsch., 1927, **4**: 165–74.—**Reinert, G. G.** Fortschritte in der Technik des Mikromanipulierens. Zeiss Nachr., 1939–40, 3. Folge, 107–21.—**Schouten, S. L.** [Isolation and micro-operation] Antonie van Leeuwenhoek, Amst., 1935, **2**: 225–50.—**Wamoscher, L.** Sur la micrurgie, technique des opérations cellulaires. Bull. Soc. fr. micr., 1934, **3**: 5–30, illust., 2 pl.

MICRURUS.

See also **Elapidae; Ophidia,** poisonous; **Snake bite.**

Arantes, J. B., & Neiva, C. Toxicidade do veneno de Micrurus frontalis para o cobaio; via intramuscular; via intraperitoneal. Brasil med., 1942, **56**: 97; 187. ——— Anagotoxia para o veneno de Micrurus frontalis em aguas de Caxambú. Ibid., 188.—**Machado, O.** Estudo comparativo das elapideas do Brasil. Bol. Inst. Vital Brazil, 1945, **5**: 37–46.—**Vellard, J.** El veneno de las víboras de coral (Micrurus) Sem. méd., B. Air., 1947, **54**: 87.—**Yered, D.** Um caso de acidente ofídico por Micrurus corallinus (coral venenosa) Gaz. clín., S. Paulo, 1942, **40**: 261.

MICTEROTHRIX.

Baumelster, W. Eine neue Micterothrix-Art (Micterothrix rottalensis sp. n.) aus schneewassergefüllten Wiesenmulden. Arch. Protistenk., 1943, **96**: 377–82.

MICTURITION.

See also **Bladder,** Physiology; **Defecation; Diuresis; Urine.**

Langworthy, O. R., Kolb, L. C., & Lewis, L. G. Physiology of micturition. 232p. 23½cm. Balt., 1940.

Serrallach i Mauri, N. Interpretación clínica de los análisis de orina, diuresis y micción. 280p. 8° Barcel., 1915.

Anders, F. Gelangt spontan gelassener Urin in das distale Ende der Scheide? Zbl. Gyn., 1928, **52**: 524–7.—**Best, C. H., & Taylor, N. B.** Micturition. In their Physiol. Basis Med. Pract., 3. ed., Balt., 1943, 686–94.—**Bizard, G.** Le mécanisme de la miction. Bull. gén. thér., 1939, **189**: 129–32.—**Boucher, R.** De quelques mictions bien spéciales. Union méd. Canada, 1946, **75**: 193–5.—**Conforto, C.** Osservate la vostra minzione! Assist. san., Roma, 1940, **9**: 109–11.—**Dungan, J. A.** Positional

urination in prostatic hypertrophy. Clin. M. & S., 1934, **41**: 421.—**Hibbs, D. K.** Physiology of micturition. Urol. Cut. Rev., 1939, **43**: 257–63.—**Keller, O.** Réflexions sur la miction. J. urol. méd., Par., 1941, **49**: 403-16.—**Kolb, L. C.** The effect upon micturition of removal of the vesical trigone; a discussion of the mechanics of micturition. Am. J. Physiol., 1939–40, **128**: 195–201.—**Mladoveano, C.** Mictions électriques. Ann. électrob., Lille, 1905, **8**: 368–71.—**Retief, P. J. M.** Physiology of micturition and ejaculation. Sc. Papers M. Ass. S. Africa, 1949, 103–6.—**Riondato, O.** Osservazioni sul meccanismo della minzione volontaria dell'uomo. Atti Soc. med. chir. Padova, 1944, **22**: 48–53, illust.—**Serrallach i Mauri, N.** Influencia de l'aparell genital sobre la micció. Ann. med., Barcel., 1933, **27**: 160.—**Smith, J. C., & Smithwick, R. H.** Physiology of micturition. In their Auton. Nerv. Syst., 2. ed., N. Y., 1941, 375–9.—**Takahasi, A.** Hainyō seiri ni kan-suru kenkyū. Jap. M. J. (w.) 1949, p. 1937, &c.—**Trabucco, A.** La micción normal y patológica. In: Afecc. obstr. uretra (Castaño, E.) B. Air., 1943, 45–53.—**Zhuravlev, I. N.** [Urine secretion and muscular activity] In: Jubil. sborn. nauch. tr. (Omsk. med. inst.) 1935, 51–62.

—— Anuria.

For its secretory form see such terms as **Diuresis**, Disorders; **Uremia**; **Urinary suppression.** For its excretory form see subheading Obstruction; also under names of primary diseases as **Urethra**, Stenosis, **etc.**

—— automatic.

See also subheading Disorder (neurogenic) also names of primary diseases as **Spinal cord**, Injury, etc.

Colombino. La miction automatique. P. verb. Congr. fr. urol., 1921, 21. Congr., 391–4.—**Martin, J., & Davis, L.** Studies upon spinal cord injuries; the development of automatic micturition. Tr. Am. Surg. Ass., 1947, **65**: 92–7.—**Vampré, E.** Funccionamento automático da bexiga. São Paulo méd., 1931–32, **4**: pt 2, 605–30.

—— Behavior pattern, and training.

Scoe, H. F. Bladder control in infancy and early childhood. 83p. 23½cm. Iowa City, 1933.

Blum, E., & Blum-Sapas, E. Vom Sinn und Unsinn der Reinlichkeitsgewöhnung. Mschr. Psychiat., 1946, **112**: 108; 195.—**Hull, C. L., & Hull, B. I.** Parallel learning curves of an infant in vocabulary and in voluntary control of the bladder. Pedag. Semin., Worcester, 1919, **26**: 272–83.—**Huschka, M.** A study of training in voluntary control of urination in a group of problem children. Psychosomat. M., 1943, **5**: 254–65.—**Levy, D. M.** Bowel and bladder control. In his Matern. Overprot., N. Y., 1943, 186–9.—**McGraw, M. B.** Neural maturation as exemplified in achievement of bladder control. J. Pediat., S. Louis, 1940, **16**: 580–90.—**Maurel, E.** Contribution à l'hominiculture; éducation urinaire. C. rend. Ass. fr. avance. sc. (1910) 1911, **39**: T. 4, 176–83.

—— Detrusor and sphincter muscles.

See also subheading Nervous control; also **Bladder**, Muscles.

Ingersoll, E. H., & Hegre, E. S. Observations on the activity of the detrusor muscle during spontaneous activity and during sympathetic stimulation. Anat. Rec., 1948, **100**: 677.—**Kennedy, W. T.** The muscle of micturition; its role in the sphincter mechanism with reference to incontinence in the female. Am. J. Obst., 1946, **52**: 206–17.—**Lang, H.** Ein Fall von partieller Detrusorlähmung der Harnblase. Chirurg, 1946–47, **17**:–18: 571–3.—**Schüle, F.** Histologischer Vergleich der Verhältnisse des Blasenausganges beim jungen und beim alten Mann als Beitrag zur Frage der Harnverhaltung. Zschr. Urol., 1936, **30**: 734–9.—**Zimmerman, I. J.** The neuromuscular physiology of the detrusor muscle of the urinary bladder. J. Urol., Balt., 1938, **40**: 766–88.

—— Disorder.

See also other subdivisions (Frequency; Incontinence; Retention) also **Dysuria**; also names of primary diseases as **Bladder**, Calculus; **Prostate**, Hypertrophy, etc.

Cohn, T. Klinik der Störungen der Harnentleerung. p.390–415. 8° Berl., 1928.

In: Handb. Urol. (Lichtenberg, A., et al.) Berl., 1928, **3**: T. 1.

Fey, B., & Corbineau, H. Pollakiurie et dysurie. Progr. méd., Par., 1945, **73**: 246–8.—**Meyer, K. O.** Untersuchungen über mechanische Einwirkungen des Ductus deferens auf den Ureter bei peripheren Harnabflusshindernissen. Zschr. Urol., 1948, **41**: 79–87.—**Posner, C.** Dysurie. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **4**: 127.—**Schlink, H. H.** The disorders of micturition. Med. J. Australia, 1946, **2**: 512–6.—**Starna, A.** La difficoltà di mingere, disuria. Assist. san., Roma 1937, **6**: 243–6.—**Teixeira, C. P.** Físio-patologia miccional. Rev. med. cir. Brasil, 1942, **50**: 1099–123.—**Trainor, D. C., Chapman, C. L., & Laidley, J. W. S.** Disorders of micturition. Med. J. Australia, 1946, **2**: 536.—**Trottarelli, P.** Disturbi della minzione e valutazione dei rischi in assicurazione vita. Assist. san., Roma, 1933, **2**: 272–4.—**Virányi, I.** [Disorders of urinary excretion] Magy. urol., 1940, **3**: 165–9.—**Walker, K.** Disturbances in micturition. Clin. J., Lond., 1933, **62**: 381–4.—**Yanagibara, H.** Hainyō no izyō [Abnormalities in micturition] Jap. J. Urol., 1931, **20**: 61–90, 4 pl.

—— Disorder: Age aspect.

Boler, T. D. Urinary disturbances in the aged. Nebraska M. J., 1945, **30**: 202.—**Braithwaite, J. V.** Disorders of micturition in childhood. Postgrad. M. J., Lond., 1944, **20**: 350–4.—**Fraser, J.** Some disturbances of micturition in childhood; their explanation and treatment. Clin. J., Lond., 1933, **62**: 221–9.—**Morson, C.** Disturbances of micturition in old age. Practitioner, Lond., 1940, **145**: 9–14.

—— Disorder: Etiology.

Glazenburg, J. *Experimenteele bijdrage tot de kennis van den aard der mictiestoornissen bij het adenoma peri-urethrale [Leiden] 136p. 23½cm. Amst., 1946.

Irger, J. M. [Post-operative and postnatal ischuria] 127p. 22cm. Minsk, 1932.

Engel, A. Blåsrubbningar genom kyla (dysuria e frigore) Sven. läk. tidn., 1941, **38**: 1190–3.—**Laird, S. M.** Distension dysuria. J. R. Army M. Corps, 1944, **83**: 292.—**Matlin, E.** Urinary symptoms in general practice. Am. Practitioner, 1947–48, **2**: 105–7.—**Van Duzen, R. E.** Causes of dysuria after prostatic surgery. Tr. South Centr. Sect. Am. Urol. Ass., 1939, 101–4.—**Yanagihara, E.** Nyōhei no iroiro. [Various causes of ischuria] Acta derm., Kyoto, 1941, **38**: 314; passim.

—— Disorder, neurogenic [and functional]

See also **Bladder**, Nervous disorders; also subdivisions of **Micturition** (Incontinence; Retention) also under names of diseases of the nervous system as **Brain tumor**; **Cauda equina**, Injury; **Multiple sclerosis**; **Paraplegia**; **Poliomyelitis**; **Tabes** etc.

Pointener, H. *Traitement des dysuries d'origine cérébrale par les injections épidurales sacro-coccygiennes. 47p. 25cm. Marseille, 1935.

Alajouanine, T., & Thurel, R. Les troubles de la miction en pathologie nerveuse. Monde méd., 1934, **44**: 955–62.—**Ansell, I.** The anatomy and physiology of micturition and the effect of various neurological disorders upon this function. Postgrad. M. J., Lond., 1944, **20**: 333–9.—**Baumrucker, G. O.** Clinical aspects of the neurogenic bladder. Surg. Clin. N. America, 1950, **30**: 87–109, illust.—**Bernardi, R.** Fisiopatología de la vejiga; vejiga neuropática; cistometría. Día méd., B. Air., 1941, **13**: 1337–40.—**Binotto, A.** La neurotizzazione somatomotrice della vescica urinaria. Med. sper., Tor., 1940, **7**: 239–72.—**Burack, W. R.** The pharmacology of the bladder and its application in the treatment of neurogenic bladder dysfunction. J. Bowman Gray School M., 1948, **6**: 110–23.—**Creevy, C. D.** The treatment of neurogenic vesical dysfunction complicated by lesions of the vesical outlet. Tr. North Centr. Br. Am. Urol. Ass., 1936, 49–53.—**Dees, J. E.** Transurethral resection for neurological bladder. J. Urol., Balt., 1948, **60**: 907–14.—**Deussen, J.** Funktionelle Miktionsstörungen im Kriege. Deut. med. Wschr., 1944, **70**: 272.—**Donoso Castro, L.** Vejiga neurogénica. Rev. med., Valparaíso, 1943–44, **17**: 569–79.—**Emmett, J. L., Daut, R. V., & Sprague, R. G.** Transurethral resection for neurogenic vesical dysfunction in cases of diabetic neuropathy. J. Urol., Balt., 1949, **61**: 244–57.—**Engel, W. J.** Vesical neck resection for neurogenic bladder. Cleveland Clin. Q., 1949, **16**: 211–5.—**Evans, J. P.** The physiologic basis of the neurogenic bladder. J. Am. M. Ass., 1941, **117**: 1927–30.—**Gill, R. D.** Neurogenic disturbances of the bladder; physiology, pathology, symptomatology, and diagnosis. J. Urol., Balt., 1938, **40**: 797–804.—**Giordano, G. B.** Rilievi speciali sulle disfunzioni vescicali neurogene. Riv. otoneur., 1940, **17**: 72.—**Heimburger, R. F.** Physiological factors in neurogenic bladders. Fed. Proc., Balt., 1947, **6**: 127.—**Herbst, W. P.** Treatment of neurogenic diseases of the bladder. J. Urol., Balt., 1938, **40**: 789–96.—**Higgins, C. C., Gardner, W. J., & Nosik, W. A.** Suprapubic puncture in the treatment of neurogenic bladder. Cleveland Clin. Q., 1941, **8**: 162–6.—**Itō, K.** Hansya-sei munyō wo tyūsin to suru nyōro kinō ni kan-suru zikken-teki kenkyū [Experimental studies in the function of the ureters in reflex ischuria] Acta derm., Kyoto, 1941, **38**: 287; passim. ——— & **Yamamoto, T.** Hansya-sei munyō ni kan-suru kenkyū; syōzyōzin ni okeru zikken seiseki [Studies in ischuria produced by reflex action; experiments on a normal kidney] Ibid., **37**: 106. ——— Hansya-sei munyō wo tyūsin to suru nyōki kinō ni kan-suru kenkyū [Studies in the function of the urinary organs from

the standpoint of reflex ischuria] Ibid., 173.—**Jacobson, C. E.,** jr. Neurogenic vesical dysfunction; an experimental study. Proc. Mayo Clin., 1942, **17:** 286–8. ——— **Braasch, W. F., & Love, J. G.** Presacral neurectomy for intractable vesical pain and neurogenic vesical dysfunction. Surg. Gyn. Obst., 1944, **79:** 21–6.—**Klövekorn, H.** Ueber das Blasengefühl bei älteren Männern. Med. Welt, 1937, **11:** 1180.—**Kobayasi, S.** Nyōhei no 1 rei [Case of ischuria in myelitis] Acta derm., Kyoto, 1941, **38:** 307.—**Korhonen, A.** On neurotic bladder. Ann. chir. gyn. fenn., 1949, **38:** 121–33.—**Lange, O.** Disfunções vesicais de origem neurológica. Rev. paul. med., 1948, **33:** 201–12.—**Langworthy, O. R.** A new approach to the diagnosis and treatment of disorders of micturition in diseases of the nervous system. Internat. Clin., 1936, 46. ser., **3:** 98–117, 4 pl.—**Lee, L. W.** Neurogenic dysfunctions of the bladder. Nebraska M. J., 1949, **34:** 59–64.—**Levison, H.** [Cystometric examination of functional disturbances of the bladder in cases of cerebral affections] Ugeskr. laeger, 1941, **103:** 1062–8.—**Lewis, L. G.** Vesical dysfunction from lesions of the cauda equina; the physiology of micturition. South. M. J., 1941, **34:** 823–8. ——— Treatment of bladder dysfunction after neurologic trauma. Proc. Inst. M. Chicago, 1944–45, **15:** 359. ——— & **Dees, J. E.** Diagnosis and treatment of neurological bladder. Surg. Clin. N. America, 1936, **16:** 1257–72.—**McLellan, F. C.** The neurogenic bladder, a preliminary report. Univ. Hosp. Bull., Ann Arb., 1938, **4:** 43–5.—**Malament, M., & Bunts, R. C.** Transurethral resection and the neurogenic bladder. Virginia M. Month., 1949, **76:** 243–6.—**Murray, G. E.** The care of the neurogenic bladder with special regard to transurethral resection. Bol. As. méd. Puerto Rico, 1949, **41:** 340–4.—**Nesbit, R. M., & Gordon, W. G.** The uninhibited neurogenic bladder; a clinical syndrome with report of 25 cases. Tr. Am. Ass. Genitourin. Surgeons, 1939, **32:** 213–24. ——— The neurogenic bladder. Pennsylvania M. J., 1939–40, **43:** 1261–8. ——— The surgical treatment of the autonomous neurogenic bladder. J. Am. M. Ass., 1941, **117:** 1935–7.—**Ney, C., Auerbach, O., & Hoen, T. I.** Pseudo-sphincter formation in neurogenic bladder. J. Urol., Balt., 1947, **57:** 858–68.—**Ninomiya, S.** Kanrei-sei hainyō syōgaisyō syōrei [Case of difficulty in urination during cold weather] Acta derm., Kyoto, 1943, **41:** 264.—**O'Heeron, M. K.** The neurogenic bladder. Med. Rec., Houston, 1941, **35:** 780–5.—**Paetzel, W.** Zum Abbau der Blasenneurosen. Zschr. Urol., 1939, **33:** 494–8.—**Peirson, E. L., & Twomey, C. F.** Neurogenic dysfunction of the bladder due to spinal ancsthesia. Tr. N. England Br. Am. Urol. Ass., 1939, 22–30.—**Refsum, S. B., & Rövig, G.** [Experiences with carbaminoyl-cholin-chloride (doryl) in neurogenous disfunction of the urinary bladder] Nord. med., 1939, **4:** 3075–80.—**Riches, E. W.** The neurogenic bladder. Practitioner, Lond., 1943, **151:** 328–33.—**Rieser, C.** Spinal anesthesia and injury to the nervous mechanism of micturition. J. Am. M. Ass., 1941, **117:** 98–100.—**Robertson, E. G.** Disorder of micturition due to cerebral lesions. Melbourne Hosp. Clin. Rep., 1942, **13:** No. 2, 61–5. ——— Bladder; neurogenic disturbances. In: Brit. Surg. Pract., Lond., 1948, **2:** 123–30, pl.—**Rodríguez Díaz, L. H.** La vejiga neurogénica; su fisiopatología y tratamiento. Rev. urol., Caracas, 1947, **6:** 28–38.—**Rose, D. K.** The diagnosis of neurogenic bladder. Week. Bull. S. Louis M. Soc., 1939–40, **34:** 123–6.—**Sarff, O. E.** A cure for neurogenic bladder; case study. Minnesota M., 1948, **31:** 381–3.—**Semans, J. H.** Neurogenic disease of the bladder. In: Urol. Surg. (Dodson, A. I.) 2. ed., S. Louis, 1950, 494–506, illust.—**Shullenberger, W. A., & Wishard, W. N.,** jr. Neurogenic bladder associated with herpes zoster. Urol. Cut. Rev., 1949, **53:** 321–4.—**Simons, I.** Neurogenic bladder; microcystometry and treatment; studies in bladder function. J. Lancet, 1943, **63:** 74–9. ——— The treatment of neurogenic dysuria with trasentin. Urol. Cut. Rev., 1943, **47:** 186–96.—**Smith, E., & Strasberg, A.** The upper urinary tract in cases of neurogenic bladder; preliminary communication. J. Urol., Balt., 1943, **49:** 803–7.—**Stewart, O. W.** The neurogenic bladder; combined tidal irrigator and cystometer. Lancet, Lond., 1942, **1:** 287–9.—**Thompson, G. J., & Jacobson, C. E.,** jr. Neurogenic vesical dysfunction due to spina bifida and myelodysplasia; treatment by transurethral resection of the vesical neck. Am. J. Surg., 1943, **61:** 224–38.—**Tosatti, E., & Montagnani, C. A.** Disturbi nervosi della minzione e interventi chirurgici sul rachide lombo-sacrale. Chir. org. movim., 1947, **31:** 146–50.—**Uthoff, C. J.** The autonomic nerves in neurogenic vesical dysfunction. Urol. Cut. Rev., 1941, **45:** 298–300.—**Valladares A., H.** Vejiga neurogénica; contribución neurológica. Arch. Soc. cirujan. hosp., Santiago, 1947, **17:** 583–90.—**Van Duzen, R. E.** Operations for urinary control of neurogenic bladders. J. Urol., Balt., 1945, **53:** 565–71.—**Voris, H. C., & Landes, H. E.** Cystometric studies in cases of neurologic disease. Arch. Neur. Psychiat., Chic., 1940, **44:** 118–39. ——— Therapy of the neurogenic bladder. Ibid., 1942, **47:** 1066. Also J. Internat. Coll. Surgeons, 1942, **5:** 206–15.—**Vvedensky, D. A., Stekolnikov, B. A., & Bogorodinsky, D. K.** [Resection of the hypogastric nerve in neurogenous dysuria] Urologia, Moskva, 1936, **13:** 28–33.—**Whitmore, W. F., & Isales, L. M.** Some observations on the neurogenic bladder. N. York State J. M., 1948, **48:** 869–74.

—— Disorder, prostatic.

See also **Bladder,** Neck: Diseases; also subdivisions of **Micturition** (Retention, prostatic) also **Prostate,** Hypertrophy.

Fischer, G. Quand une complication attire l'attention des prostatiques; incontinence, rétention, cystite, hématurie. Concours méd., 1940, **62:** 1193.—**Kulenkampff, D.** Warum kann der Prostatiker kein Wasser lassen? zugleich ein Beitrag zur Genese und Behandlung der Epididymitis. Med. Klin., Berl., 1940, **36:** 13.—**Lendorf, A.** Om prostatas betydning ved vandladningen og om mekanismen ved prostatisk vandladningsbesvaer. Hospitalstidende, 1912, 5. R., **5:** 109; 751. Also Arch. klin. Chir., 1912, **97:** 973–92.—**Martino Savino, F.** Patogenia de la disuria prostática. Arch. españ. urol., 1946–47, **3:** 182–9.—**P., A.** Noticias actuales sobre un caso ya publicado de pseudo-prostatismo femenino. Intercamb. urol., Madr., 1949, Feb., 6.—**Prostatic** dysuria. Yearb. Pilcher Hosp., Brooklyn, 1912, 53–7.—**Riggall, F., & Riggall, C.** Micturition and the prostate. Lancet, Lond., 1936, **1:** 868.—**Serrallach, N., & Serrallach, F.,** jr. Pourquoi les prostatiques ne peuvent pas uriner? J. urol. méd., Par., 1928, **26:** 304–30.—**Szenkier-Mazurek, T.** Prostatismus u kobiety. Polski przegl. chir., 1949, **21:** 551–5.

—— Disorder: Treatment.

MARINI, A., & SQUILLARIO, G. La chirurgia del sistema nervoso periferico della vescica; ricerche sperimentali. p.431–501. 24½cm. Biella, 1941.

In: Boll. Soc. piemont. chir., 1941, **11:** 431–501.

PARIENTE, R. E. *Traitement endoscopique des dysuries cervicales, les hypertrophies prostatiques exclues. 48p. 8°. Par., 1936.

RICHER, V., & GINESTIÉ, P. J. Chirurgie du système nerveux vésical. 277p. 22cm. Par., 1948.

In: P. verb. Congr. fr. urol., 1948. 42. Congr.

Itō, K. Hansya-sei munyō wo tyūsin to suru nyōro kinō ni kan-suru zikken-teki kenkyū; bōkō sigeki ni yoru hansya-sei munyō ni oyobosu syosyu yakubutu narabi ni syoti no eikyō ni tuite [Experimental studies in the function of the ureters in reflex ischuria] Acta derm., Kyoto, 1942, **39:** 153; 227.—**Mascio, A.** La infiltrazione anestetico-alcoolica dello spazio epidurale sacrale nella debolezza irritabile della vescica. Riv. ital. gin., 1948, **31:** 77–92.—**Minet, A.** Massagem intravesical. Porto med., 1906, **3:** 229.—**Winsbury-White, H. P.** Diagnosis and treatment of disturbances of micturition and backache of genito-urinary origin due to commonplace causes. West London M. J., 1938, **43:** 163–78.—**Yamamoto, T.** Hansya-sei munyō no tiryō ni kan-suru zikken-teki kenkyū [Experimental studies in the cure of reflex ischuria] Acta derm., Kyoto, 1942, **39:** 151.

—— Disorder—in animals.

Beckman, C. H. Dysuria in dogs and cats. Vet. Med., Chic., 1948, **43:** 431.

—— Disorder—in women.

See also other subdivisions (Frequency; Incontinence; Retention)

Bjerre, H. [Mechanical hindrance in urination at orificium urethrae internum feminae] Hospitalstidende, 1937, **80:** 216–9.—**Curtis, A. H.** Management of the female urinary bladder after operation and during pregnancy; a further study of residual urine in its bearing on urinary tract disturbances. J. Am. M. Ass., 1923, **80:** 1261–9.—**Geist, S. H., & Salmon, U. J.** The relationship of estrogens to dysuria and incontinence in post-menopausal women. J. Mount Sinai Hosp. N. York, 1943–44, **10:** 208–11.—**Kanō, K., & Nabeyama, Y.** Zwei weibliche Fälle bei denen Miktionsschmerzen durch Kauterisation des Sphincter externus ausgeheilt wurden. Jap. J. Derm. Urol., 1938, **44:** 107 (Abstr.)—**Schwartz, F. L.** Secondary urinary problems in the female. Urol. Cut. Rev., 1943, **47:** 551.—**Sorrentino, B.** L'incontinenza e la ritenzione di urina nella donna. Monit. ostet. gin., 1933, **5:** 244–57.—**Vogt, E.** Zur Behandlung der Dysurie nach gynäkologischen und geburtshilflichen Eingriffen. Zbl. Gyn., 1941, **65:** 1164–7.—**Walker-Smith, A. B.** Disorders of micturition in the female. Med. J. Australia, 1946, **2:** 516–9.

—— Dysuria.

See subdivision Disorder.

—— Endocrine aspect.

Bodechtel, G. Zur Behandlung von Miktionsstörungen mit männlichem Sexualhormon. Münch. med. Wschr., 1935, **82:** 219–21.—**Martins, T., & Valle, J. R.** L'attitude de miction du chien et les hormones sexuelles; expériences sur des mâles et des femelles. C. rend. Soc. biol., 1947, **141:** 620–6. ——— A atitude do cão na micção e os hormônios sexuais; experiência em récem-nascidos. Rev. brasil. med., 1947, **4:** 85–9. ——— Hormonal regulation of the micturition behavior of the dog. J. Comp. Physiol. Psychol., 1948, **41:** 301–11.

—— Endoscopy.

See also subdivision Measurement.

Caporale, L. Su un nuovo metodo personale di indagine nella diagnostica urologico-ginecologica; la studio endoscopico del vuotamento vescicale. Ginecologia, Tor., 1938, **4**: 573–92.—**Phélip, L.** Endoscopie de la miction normale; constatations dans les cas de rétention; indications de l'emploi du punch. P. verb. Congr. fr. urol., 1928, 28. Congr., 646–51. ——— Les indications de la résection endoscopique de la prostate doivent être basées sur l'endoscopie de la miction. Lyon méd., 1935, **156**: 193–5.

—— Enuresis.

See **Enuresis.**

—— Frequency [incl. disorders]

Bachrach, R. Ueber nicht prostatogene Pollakiurie alter Leute und deren Behandlung. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 297–9. ——— Zur Behandlung einiger Formen von Pollakiurie nichtentzündlichen Ursprungs. Wien. klin. Wschr., 1930, **43**: 337–9.—**Chwalla, R.** Die Reizblase, ihre Aetiologie und Therapie. Wien. med. Wschr., 1946, **96**: 337–40. ——— Reizblase und Bettnässen. Ibid., 1948, **98**: 505–8.—**Cibert, J.,** & **Cavailher, H.** Une indication nouvelle de l'opération de Richer. J. urol. méd., Par., 1943, **51**: 122–4. Also Lyon chir., 1943, **38**: 571–4.—**Conger, K. B.** Functional urinary frequency in the soldier. Bull. U. S. Army M. Dep., 1947, **7**: 441–4.—**Crowell, A. J.** The symptom of frequent urination and its etiology. Tr. Am. Ass. Genitourin. Surgeons, 1926, **19**: 245–52.—**Deussen, J.** Die Blasenneurose unter besonderer Berücksichtigung der sogenannten Kriegs-Pollakiurie. Arch. Psychiat., Berl., 1944, **117**: 424–42.—**Dodson, A. I.** Frequency of urination. Internat. Surg. Digest, 1933, **15**: 323–31.—**Hamburger, F.** Ueber Pollakiurie bei Kindern. Zschr. Urol., 1932, **27**: 836.—**Hammond, T. E.** The causes and diagnosis of frequency of micturition. Clin. J., Lond., 1927, **56**: 316–23. ——— Frequency of micturition and its treatment. Ibid., 1932, **61**: 546; 558.—**Kraines, S. H.** Frequency of urination. In his Ther. Neuroses, Phila., 1941, 310.—**MacGregor, C. A.** Urinary frequency among personnel at sea. U. S. Nav. M. Bull., 1945, **44**: 1007–9.—**Maitland, A. I. L.** The differential diagnosis of frequency of micturition. Med. Press & Circ., Lond., 1940, **204**: 324–6.—**Meuwsen, L.** Feldbeobachtungen über die Reizblase; ihre Deutung als vegetative Regulationsstörung. Deut. med. Wschr., 1944, **70**: 66–8.—**Müller, A.** Zur Aetiologie der Reizblase. Münch. med. Wschr., 1943, **90**: 337.—**Musumeci Grasso, F.** La pollachiuria. Gazz. osp., 1928, **49**: 1147–50.—**Nicholson, J. C.** Frequency of micturition. Med. Press & Circ., Lond., 1940, **203**: 410–3.—**O'Heeron, M. K.** A common cause of urinary frequency in American troops in India, and its treatment. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 116–20.—**Paterson, D.** Frequency of micturition in infancy and childhood. Practitioner, Lond., 1926, **116**: 418–21.—**Rathbun, N. P.** Frequency of urination. Long Island M. J., 1926, **20**: 274.—**Roche, A. E.** The causes of increased frequency of micturition. Med. Press & Circ., Lond., 1935, **191**: 278–81. ——— Frequency of micturition in the adult. Lancet, Lond., 1936, **2**: 1522. Also Tr. Hunterian Soc., Lond., 1936–37, **1**: 49–56. ——— Increased frequency of micturition. Med. Press, Lond., 1948, **220**: 298–300.—**Schwarz, O.** [Pollakiurie] Wien. med. Wschr., 1920, **70**: 477.—**Szold, E.** Pollakiuria nervosa. Acta urol., Budap., 1948, **2**: 65.—**Van der Heide, C.** A case of pollakiuria nervosa. Psychoanal. Q., 1941, **10**: 267–83.—**Vascoboinic, H., Augustin, A.,** & **Goldstein, M.** Pollakiurie essentielle (maladie par carence) considérations cliniques et thérapeutiques. Acta urol., Budap., 1948, **2**: 157–60.—**Winsbury-White, H. P.** A postgraduate lecture on frequency of micturition. Postgrad. M. J., Lond., 1933, **9**: 206–15.

—— Frequency—in women.

Bancroft, F. W. Frequency of micturition and partial lack of urinary control in women. Repr. Fifth Ave. Hosp., N. Y., 1931–33, 1–6, 3 pl.—**Bass, F.,** & **Braun, J.** De la pollakiurie au camp de Térézin (Theresienstadt) Gynaecologia, Basel, 1947, **123**: 126–30.—**Bridges, J. P.** Causes and treatment of urinary frequency in women. Bull. Tarrant Co. M. Soc., 1946, **18**: No. 6, 3–5.—**Lazarus, J. A.** Increased urinary frequency in women caused by extrinsic genitourinary tract lesions. N. York State J. M., 1946, **46**: 501–6.—**Riba, L. W.** The frequency of urination in women. Illinois M. J., 1949, **95**: 44–7.—**Sure, J. H.** Urinary frequency of gynecological origin. Urol. Cut. Rev., 1942, **46**: 369–71.

—— Incontinence [of urine]

See also **Bladder, Incontinence.**

Almeida, L. de. Enurésia ou incontinência essencial da urina. Coimbra méd., 1939, **6**: 213–23.—**Barnes, A. C.** A method for evaluating the stress of urinary incontinence. Am. J. Obst., 1940, **40**: 381–90.—**Block, F. B.** Urinary incontinence. Am. J. M. Sc., 1942, **204**: 905–13.—**Constantinesco, P.** Contributions au mécanisme de l'incontinence d'urine et de la miction. P. verb. Congr. fr. urol., 1948, 42. Congr., 472–81.—**Couvelaire, R.,** & **Trevenard, P.** Quelques considérations à propos de l'incontinence d'urine chez l'adulte. Bull. Soc. fr. urol., 1940, 127–32. Also J. urol. méd., Par., 1941, **49**: 59–65.—**Frumkin, A. P.** [Incontinence of urine] Feldsher, Moskva, 1941, No. 5, 27–31.—**Heyster, H.** Incontinentia urinae. Ned. tschr. geneesk., 1947, **91**: 3470–3.—**Langworthy, O. R., Jarvis, J. A.,** & **Lewis, L. G.** Incontinent patients in a chronic hospital. South. M. J., 1937, **30**: 968–73.—**Legueu.** L'incontinence d'urine. Rev. gén. clin. thér., 1930, **44**: 737.—**Lonjumeau, P.** Incontinence d'urine. In: Urol. gyn. méd., 2. éd. Par., 1940, 33–40.—**Mézan, S.** Contribution à l'étude de l'incontinence d'urine. Paris méd., 1928, **69**: 148–50.—**Muschat, M.** Graphic illustration of various forms of incontinence. Am. J. Surg., 1936, **31**: 104.—**Norman, H. L.** Results of a London inquiry. Brit. M. J., 1936, **1**: 902.—**Pessagno Espora, M. A.** Incontinencia esencial de orina. Sem. méd., B. Air., 1937, **44**: 1170–9.—**Ravara Alves, L.** A propósito de incontinência de urina. Impr. méd., Lisb., 1940, **6**: 85–91.—**Rebaudi, L.** Sobre una incontinencia de orina. Rev. argent. urol., 1940, **9**: 425.—**Rose, D. K.** Urinary incontinence. J. Missouri M. Ass., 1935, **32**: 363–7.—**Ruland, L.** Incontinence of urine. In his Pastoral Med., S. Louis, 1936, 37.—**Schramm, C.** Die Klinik der Inkontinenz beim Manne. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 221–30.—**Steinitz, G.** Ueber Harninkontinenz. Med. Klin., Berl., 1932, **28**: 1493–6.

—— Incontinence: Etiology.

See also **Bladder,** Neck: Disease; **Catheterization, Effect; Ureter,** ectopic, etc.

Amselem, A., & **Reig, J. T.** Un caso poco frecuente de incontinencia urinaria. Intercamb. urol., Madr., 1949, Feb., 2.—**Begg, R. C.** Incontinence of urine of renal origin. Brit. J. Surg., 1927–28, **15**: 229–44.—**Belt, N.** Catheter incontinence following cystoscopy. J. Am. M. Ass., 1944, **125**: 1038.—**Benjaminsson, G.** Incontinentia urinae og bacteriuri hos sindssyge. Ugeskr. laeger, 1943, **105**: 980–3.—**Chavigny, M.** L'incontinence essentielle d'urine. Paris méd., 1933, **89**: 151–3.—**Cristol, D. S.,** & **Greene, L. F.** Urinary incontinence in female from ectopic ureteral orifices. J. Am. M. Ass., 1946, **130**: 1061–3.—**Faria, G. de.** Incontinência urinária por displasia do colo da bexiga com refluxo paradoxal vesico-ureteral; nefroureterectomia e operação de Young; classificação da incontinência urinária. Hospital, Rio, 1948, **34**: 795–806.—**Fey, B.,** & **Lacour, M.** Incontinence d'urines d'origine endocrinienne. J. urol. méd., Par., 1941, **49**: 338–40.—**Frumkin, A. P.** Incontinence of urine due to an accessory ectopic ureter. Urol. Cut. Rev., 1933, **37**: 547–9.—**Gasparian, A. M.** [Causes of incontinence of urine] Tr. Moskov. gosud. med. inst., 1935, No. 3, 200–5.—**Greene, L. F.,** & **Ferris, D. O.** Urinary incontinence due to bilateral ectopic ureters. Surg. Gyn. Obst., 1946, **82**: 712–6.—**Legueu, F.** L'incontinence d'urine d'origine urétérale. Arch. fr. belg. chir., 1928, **31**: 770–5. Also Livre jubil. J. Verhoogen, Brux., 1929, 449–54.—**Mórawski, W.** [Pathogenesis of urine incontinence in adults] Polska gaz. lek., 1926, **5**: 941–3.—**Muellner, S. R.** Lack of a specific urethral lesion in exertional urinary incontinence. N. England J. M., 1946, **234**: 400–2.—**Nikiforov, M. I.** Ektopische Mündung des überzähligen Harnleiters als ätiologisches Moment der Harninkontinenz. Zschr. urol. Chir., 1930, **30**: 63–9. Also Vest. khir., 1932, **26**: 194.—**Pérard, J.** Une incontinence d'urine de cause peu commune au cours de la tuberculose urinaire. J. urol. méd., Par., 1944, **52**: 49.—**Richardson, J. P.** A case of urinary incontinence of unknown origin and 19 years' duration. Tr. West. Sect. Am. Urol. Ass., 1944, **12**: 86.—**Riley, A.,** & **Gaston, E. A.** Incontinence of urine due to ureteral ectopia. N. England J. M., 1934, **211**: 666–75.—**Stärcke. A.** [Paradosis; one case] Ned. tschr. geneesk., 1935, **79**: 1820–8.—**Tavernier** & **Cibert.** Fausse incontinence d'urine par abouchement extravésical d'un uretère; guérison par héminéphrectomie. Lyon chir., 1938, **35**: 456–9.—**Van Buskirk, E. M.** Pelvic kidney with ureter opening near urethral orifice; report of case. Am. J. Roentg., 1935, **34**: 395.—**Voss, F.** Durch Malariabehandlung provozierte Urininkontinenz und ihre Behebung. Münch. med. Wschr., 1936, **83**: 1670.—**Wilson, T. S.** Incontinence of urine in the aged. Lancet, Lond., 1948, **2**: 374–7.

—— Incontinence, infantile.

See also **Diaper; Enuresis.**

Maréchal, J. *L'électro-coagulation du col vésical dans le traitement de l'incontinence urinaire infantile. 107p. 23cm. Par., 1939.

Alesio, C. La cura dell'incontinenza essenziale secondo Cahier. Pediat. med. prat., Tor., 1938, **13**: 700*4.—**Babics, A.** Besonderer Fall ständigen Harnträufelns im Säuglingsalter. Deut. med. Wschr., 1943, **69**: 288.—**Dauchez.** Incontinencia da urina nas creanças. Novid. med. pharm., Pôrto, 1903–04, **9**: 45.—**Lanman, T. H.** Urinary incontinence; its surgical significance. Pediatrics, Springf., 1948, **1**: 776–9. ——— & **Moore, J. H.** The surgical significance of urinary incontinence in infants and children. N. England J. M., 1938, **219**: 777–82.—**Rance.** Les incontinents d'urine; énurésie infantile. Gaz. hôp., 1948, **121**: 254.—**Sabourin, J.** Notes préliminaires sur un nouveau traitement de l'incontinence urinaire infantile; l'électrocoagulation du col vésical. J. méd. Paris, 1938, **58**: 723–6. Also Méd. inf., Par., 1938, **45**: 231–42. ——— Les traitements médicaux et chirurgicaux de l'incontinence urinaire infantile. J. méd. chir., Par., 1939, **110**: 31–7.—**Thévenin, L.,** & **Pugeat, H.** Enurésie et incontinence infantiles. Pédia-

trie, 1949, 4: 75–82.—**Zahorsky, J.** The ammoniacal diaper in infants and young children. Am. J. Dis. Child., 1915, 10: 436–44.

—— Incontinence, juvenile.

LARRIEU, G. *L'incontinence d'urine dite essentielle de la jeune fille; son traitement par le resserrement du sphincter vésical ou opération de Marion. 62p. 25½cm. Lyon, 1938.

Huber, F. Incontinence of urine in children. Arch. Pediat., N. Y., 1947, 64: 199–205.—**Lepoutre, C.** Incontinence d'urines; lithiase réno-urétérale ignorée chez un enfant de huit ans. J. urol. méd., Par., 1941, 49: 353–5.—**Patoir, G., & Desruelles, J.** A propos de l'incontinence d'urine essentielle chez les jeunes. France méd., 1949, 12: No. 8, 18.—**Peddie, C.** Treatment of incontinence in children over 4. Brit. M. J., 1941, 2: 600.

—— Incontinence: Military aspect.

Borgard, W. Ueber die Beurteilung der Blasenschwäche im Kriege. Münch. med. Wschr., 1942, 89: 488–90.—**Kaczanowski, G.** [Incontinence of urine among soldiers] Lek. wojsk., 1939, 33: 90–3.—**Trommer, K.** Feldbeobachtung über gehäuftes Auftreten von Urogenitalneurose. Münch. med. Wschr., 1942, 89: 825.

—— Incontinence, neurogenic.

See also **Bladder**, Distension; **Laughter; Spina bifida.**

BARDINON, J. *Les mictions involontaires en pathologie nerveuse et leur traitement. 64p. 8° Par., 1937.

Alajouanine, T., & Thurel, R. Les mictions involontaires en pathologie nerveuse et leur traitement; contribution à l'étude de la dissociation des activités volontaires et réflexes. Rev. méd., Par., 1933, 50: 181–94.—**Bréchot, A.** Rôle des épaississements dure-mériens congénitaux dans l'incontinence d'urine et le pied creux. In: Oeuvres (Delbet, P.) Par., 1932, 315–22.—**Caffé, L., Bainglas, M., & Comsa, G.** Le traitement des incontinences d'urine par injections intraveineuses d'urotropine dans les maladies nerveuses. Bull. Soc. méd. hôp. Bucarest, 1929, 11: 189–94.—**Chavany, J. A.** Un cas de paralysie hystérique invétérée avec émission spontanée des urines et des matières. J. méd. chir., Par., 1935, 106: 741–7.—**Chwalla, R.** Harninkontinenz beim Lachen; Diabetes insipidus mit zentraler Blasenatonie und rezidivierender Harnverhaltung; ein Beitrag zur Pathologie des Zwischenhirns. Wien. med. Wschr., 1946, 96: 44–8.—**Creevy, C. D.** Treatment of the overflow incontinence of neurogenic vesical dysfunction. Tr. North Centr. Br. Am. Urol. Ass., 1935, 17–24. Also J. Urol., Balt., 1936, 35: 507–14. Also Minnesota M., 1936, 19: 269–73.—**Edelberg, H.** L'incontinence durable d'urine après une peur. Progr. méd., Par., 1936, 641–5.—**Ewert, E. E., & Flint, L.** Rectus muscle transplant for incontinence of neurogenic origin. Lahey Clin. Bull., 1946–47, 5: 148–55.—**Hanlon, R. E.** Treatment of urinary incontinence in vesical paralysis. J. urol., Balt., 1945, 53: 572–83.—**Joosse.** Demonstratie van patiënten, die lijdende waren aan incontinentia urinae van neurologische oorsprong. Ned. tschr. verlosk., 1949, 49: 203–5.—**Köhn, H.** Sakrale Inkontinenz bei congenitaler Missbildung des Kreuzbeines. Klin. Wschr., 1930, 9: 1454–6.—**Lavenant, A.** Incontinence d'urine et spina bifida occulta. J. urol. méd., Par., 1942, 50: 127.—**Monashkin, G. B.** [Neurophysiological factors in incontinence of urine] Urologia, Moskva, 1937, 14: 45–57.—**Paulian, D., & Bistriceanu, I.** Essential incontinence of urine; syndrome of pelvic hypervagotonia. Spitalul, 1931, 51: 496–502.—**Rabiner, A. M., & Perkins, O. C.** Urinary incontinence of cerebral origin. Arch. Neur. Psychiat., Chic., 1940, 44: 452–5. Also J. Nerv. Ment. Dis., 1940, 92: 216–21. ——— Urinary incontinence of cerebral origin; a note on the influence of consciousness on sphincter control. Brooklyn Hosp. J., 1941, 3: 211–5.—**Simons, I.** The treatment of neurogenic urinary incontinence with trasentin; report of a case. Bull. Hosp. Joint Dis., N. Y., 1942, 3: 26–31.—**Spiegel, E. A.** Die Klinik der Inkontinenz (neurologischer Teil) Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 201–17.

—— Incontinence, nocturnal.

See **Enuresis.**

—— Incontinence, postmictional.

Serrallach. L'incontinence d'urine post-mictionnelle dans les affections des organes génitaux. J. urol. méd., Par., 1926, 22: 471–8.

—— Incontinence, relative.

Börngen, H. Therapeutische Erfahrungen bei Blasenschliessmuskelschwäche. Med. Welt, 1937, 11: 1430.—**Chwalla, R.** Die endovesikale Behandlung der relativen Harninkontinenz. Wien. klin. Wschr., 1935, 48: 946–9.—**Stoeckel.** Relative Inkontinenz durch Elektrokoagulation verschlimmert. Zbl. Gyn., 1936, 60: 2859.—**Viethen, H.** Klinisches und Experimentelles zur Behandlung der relativen Harninkontinenz mittels der Elektrokoagulation am Blasenhals Chirurg, 1933, 5: 129–33.

—— Incontinence: Surgery.

See also subdivision (—in women: Surgery)

GUNKEL, I. *Die Pyramidalisplastik oder die Goebell-Frangenheim-Stoeckel'sche Operation. 21p. 8° Königsb., 1936.

PETIT, P. *Etude critique des néo-sphinctérisations de la vessie pour incontinence d'urine. 47p. 25½cm. Lyon, 1944.

Acero Santamaria, E. La operación de plicatura de Lowsley en el tratamiento quirúrgico de la incontinencia de orina. Med. & cir. guerra, 1946, 8: No. 20, 15–8.—**Åkerberg, E.** [Operative treatment of incontinence of urine] Nord. med., 1939, 2: 1026; 1940, 5: 621.—**Azevedo, G. V. de.** L'incontinence d'urine et son traitement par l'opération de Goebell-Frangenheim-Stoeckel. Rev. sudamér. méd., Par., 1932, 3: 129–42. ——— Métodos operatórios de tratamento da incontinência urinária. An. paul. med. cir., 1945, 50: 501.—**Baidin, A.** Intervention dans les cas d'activité insuffisante du sphincter uréthro-trigonal. C. rend. Soc. biol., 1926, 94: 630.—**Bailey, H.** Incontinence of urine treated by constructing a sphincter urethrae from the gracilis muscle. Brit. J. Urol., 1939, 11: 250.—**Bartlett, M. K.** The surgical treatment of urinary incontinence. N. England J. M., 1947, 236: 965–9.—**Bedrna, J.** A contribution to the operative treatment of urinary incontinence of the male. Urol. Cut. Rev., 1930, 34: 818–20.—**Berri, H. D.** Incontinencia de orina por relajación del esfínter vesical; tratamiento quirúrgico; curación. Sem. méd., B. Air., 1940, 47: 401.—**Chapman, T. L.** Incontinence of urine. Surgo, Glasg., 1948–49, 15: 117–21.—**Charbonnel & Massé.** Incontinence d'urine par déficience sphinctérienne; opération de Marion; guérison. Bordeaux chir., 1932, 3: 277–9.—**Cibert, J., & Perrin, J.** Incontinence complète d'urine après résection transurétrale guérie par l'opération de Goebell-Stoeckel. J. urol. méd., Par., 1942, 51: 25. ——— Traitement de l'incontinence d'urine par la suspension aponévrotique du col (dérivée de l'opération de Goebell-Stoeckel) Lyon chir., 1944, 39: 243–6.—**De Grisogono, A.** L'operazione di Goebell-Stoeckel nella cura dell'incontinenza d'urina. Atti Soc. ital. ostet., 1921, 21: 453–62.—**Deming, C. L.** Transplantation of the gracilis muscle for incontinence of urine. J. Am. M. Ass., 1926, 86: 822–5.—**Fishberg, M.** True urinary incontinence of traumatic origin in the male; report of three cases cured by plication of the bulbocavernosus muscle. Brooklyn Hosp. J., 1948, 6: 95–9.—**Foley, F. E. B.** An artificial sphincter; a new operation and device for control of urinary incontinence and nocturnal enuresis. Minnesota M., 1946, 29: 1041. Also J. Urol., Balt., 1947, 58: 250–9.—**Frost, I. F.** Urinary incontinence; with special reference to certain factors which are necessary in the cure of this condition. Am. J. Surg., 1946, 71: 172–80.—**Gautier, J.** Traitement des incontinences graves d'origine urétrale par la plicature vésico-urétrale. J. urol. méd., Par., 1937, 44: 55–68.—**Goebell, R.** Zur Sphinkterplastik an der Blase. Zbl. Chir., 1930, 57: 1587.—**Hayes, B. A.** Urinary incontinence and its surgical treatment. J. Oklahoma M. Ass., 1929, 22: 412–6.—**Heyn, W.** Zur Technik der Stoeckelschen Faszienringplastik bei Blaseninkontinenz. Zbl. Chir., 1947, 72: 1555.—**Huggins, C. B.** Urinary incontinence; the surgical physiology involved in the cure of certain types. J. Indiana M. Ass., 1929, 22: 190–2.—**Kenny, M.** Urinary incontinence cured by operation; an uncommon case. Lancet, Lond., 1950, 1: 71.—**Keyes, E. L.** An operation for incontinence of urine following perineal prostatectomy. Surg. Gyn. Obst., 1926, 42: 423.—**Kusunoki, T.** Senten-sei katuyaku-sayō huzen ni yoru nyō-sikkin (inyō-syō) no geka-teki seikei-zyutu ni tuite [Ueber die plastische Operation der Harninkontinenz (Enuresis) bei der angeborenen Störung von Sphinctermechanismus] Jap. J. Urol., 1942, 33: 57–68.—**Lewis, G. M.** The operative treatment of urinary incontinence in the male. Proc. R. Soc. M., Lond., 1949, 42: 547.—**Loughnane, F. M.** Transplantation of the gracilis muscle to cure stress incontinence in women. Brit. J. Urol., 1939, 11: 142–6.—**Lowsley, O. S.** Relief of congenital and traumatic incontinence of urine by operation. J. Am. M. Ass., 1928, 90: 511–8. ——— New operations for the relief of incontinence in both male and female. J. Urol., Balt., 1936, 36: 400–13. ——— & **Hunt, R. W.** A new operation for the relief of incontinence of urine and feces; preliminary report. Ibid., 1939, 41: 252–63.—**Mandelstamm, A.** Totale, durch Pyramidalisfaszienplastik geheilte Harninkontinenz. Med. Welt, 1928, 2: 942.—**Martin, R. H.** Les résultats des resserrements de l'urètre pour incontinence d'urine par insuffisance sphinctérienne. J. urol. méd., Par., 1944–45, 52: 136–40.—**Martius, H.** Ueber die operative Behandlung der Blaseninkontinenz der Frau. Deut. med. Wschr., 1936, 62: 1705–8. ——— Gewebsersatz bei Harnfistel- und Inkontinenz-Operationen. Handel. Internat. congr. verlosk., 1938, 2: 307–9, 4 pl.—**Mason, G. A.** Transplantation of ureters for congenital incontinence; a final result. Arch. Dis. Childh., Lond., 1928, 3: 109–13.—**Meigs, J. V.** The fascial sling operation for incontinence of urine. J. Mount Sinai Hosp. N. York, 1947–48, 14: 504–14.—**Millin, T.** Some observations on the surgical treatment of urinary incontinence. Proc. R. Soc. M., Lond., 1938–39, 32: Sect. Urol., 777–90, pl. ——— Three

cases illustrating result of author's operation for urinary incontinence. Ibid., 1940–41, **34**: 765. ——— La chirurgie de l'incontinence urinaire chez l'homme et chez la femme. Méd. & hyg., Genève, 1949, **7**: 79.—**Mingazzini, E.** Contributo clinico alla cura dell'incontinenza d'urina. Atti Soc. romana chir., 1939, **1**: 200–3.—**Mironov, A. I.** [Remote sequels of operative treatment of certain forms of incontinence of urine] Urologia, Moskva, 1941, **18**: No. 2, 86.—**Murillo R., F.** La incontinencia de orina; corrección por vía retropúbica. Repert. med. cir., Bogotá, 1949–50, 3. época, **5**: 9–15.—**Novak, J.** Principles and evaluation of the various operations for urinary incontinence. Urol. Cut. Rev., 1945, **49**: 425–8.—**Ombrédanne.** Autoplasties d'appui et mécanismes de fermeture pour orifices incontinents. Bull. Soc. chir. Paris, 1920, **46**: 1180.—**Price, P. B.** Plastic operations for incontinence of urine and of feces. Arch. Surg., 1933, **26**: 1043–53.—**Richer, V.** Opération de Goebell-Stoeckel simplifiée pour incontinence. Mém. Acad. chir., Par., 1937, **63**: 315–9. ——— L'opération de Goebell-Stoeckel (technique personnelle) J. urol. méd., Par., 1944–45, **52**: 296–9. ——— Levatorplastik de Franz pour incontinence. Ibid., 334–6. Also Lyon chir., 1946, **41**: 68–70.—**Rubin, J. S., & Marx, R.** Transplantation of abdominal fascia for relief of urinary incontinence. West. J. Surg., 1948, **56**: 491–3.—**Runge.** Ergebnisse operativer Behandlung von Harnfisteln und Harninkontinenz. Zbl. Gyn., 1936, **60**: 2505.—**Sarafoff, D.** Die künstlich gesetzte ringförmige Narbe; ein einfaches und sicheres Mittel zur Beseitigung des Mastdarmvorfalles sowie der Incontinentia alvi und der Incontinentia urinae. Zbl. Chir., 1941, **68**: 1584–94.—**Sidor, M.** [Frangenheim-Goebell-Stoeckel operation in a case of incontinence of urine] Polska gaz. lek., 1939, **18**: 231.—**Stevens, P. A.** Incontinence of urine treated surgically. Med. J. Australia, 1938, **2**: 207.—**Swenson, O., Rheinlander, H. F., & Merrill, K.,** jr. A method for controlling urinary incontinence; experimental observations. Surgery, 1949, **26**: 405–12.—**Szendi, B.** [Surgery of dysfunction of the vesical sphincter] Orvostud. közl., 1940, **1**: 352–5.—**Tauber, R.** The twin-stitch technic for urinary incontinence. Urol. Cut. Rev., 1948, **52**: 666.—**TeLinde, R. W.** The modified Goebell-Stoeckel operation for urinary incontinence. South. M. J., 1934, **27**: 193–7.—**Vehaskari, A.** Virtsanpidätyskyvynpuutteesta; sen hoidossa bulbocavernosus-plastiikalla (a. m. Martius) saaduista tuloksista. Duodecim. Helsin., 1944, **60**: 313–32.—**Wedenski, D. A., Levitanus, M. B.** [et al.] Chirurgische Beseitigung der Harninkontinenz bei einigen Missbildungen der harnabführenden Organe. Zschr. urol. Chir., 1934, **39**: 394–409.—**Young, H. H.** Surgical aspects of urinary incontinence. Proc. Interst. Postgrad. M. Ass. N. America (1929) 1930, 5. meet., 328–32, 14 pl.

—— Incontinence: Treatment.

Broutin, M. T. *Contribution à l'étude du traitement de l'incontinence essentielle d'urine. 71p. 24cm. Lille, 1935.

Maurisset, M. E. *Observations sur la thérapeutique de l'incontinence essentielle d'urine dans ses rapports avec le déséquilibre acido-basique [Paris] 31p. 8° S. Cloud, 1937.

Aldridge, A. H. An evaluation of methods for the treatment of urinary incontinence. Am. J. Obst., 1946, **51**: 299–315.—**Barber, K. E., Adams, J. F., & Sosinski, L. D.** Control of incontinent urine by using external drainage. Am. J. Nurs., 1949, **49**: 526.—**Bedrna, J.** [Treatment of incontinence of urine in men] Bratisl. lek. listy, 1930, **10**: 435–46.—**Hayes, B. A.** The treatment of urinary incontinence. J. Oklahoma M. Ass., 1947, **40**: 482–5.—**Mougrain, L.** Traitement de l'incontinence d'urine. Méd. libre, Par., 1949, **23**: No. 5, 8.—**Mozota Sagardia, S.** Terapéutica de la incontinencia de la orina. Inform. méd. quir., Zaragoza, 1949, 9–12.—**Nordgren, R.** [Treatment of incontinence of urine] Hygiea, Stockh., 1926, **88**: 719.—**Orum, H. P. T.** [Incontinence of urine and its treatment] Ugeskr. læger, 1926, **88**: 784–8.—**Pleschner, H. G.** Wie soll sich der praktische Arzt bei der Incontinentia urinae des Mannes verhalten? Wien. klin. Wschr., 1927, **40**: 1298–300.—**Traitement** de l'incontinence de l'urine. Médecine, Par., 1922–23, **4**: 887.—**Voitashevsky, J. B.** [Treatment of incontinence of urine] Urologia, Moskva, 1937, **14**: 69–76.

—— Incontinence: Treatment: Methods.

Orrico, J. *Incontinencia esencial de orina y su tratamiento por las inyecciones epidurales. 63p. 25½cm. B. Air., 1906.

Caffé, L., Bainglas & Comsa. Traitement des incontinences d'urine par injections intraveineuses d'urotropine dans les maladies nerveuses. Presse méd., 1929, **37**: 1202.—**Chesser, E. S.** Incontinence; the application of electro-therapy to the bladder and urethra. Nurs. Times, Lond., 1929, **25**: 1260–2.—**Corazzini.** A propos de huit cas d'incontinences d'urine traités par injections épidurales de lipiodol. Algérie méd., 1931, **35**: 294–7.—**Lepoutre.** Traitement de l'incontinence essentielle des urines par l'appareil avertisseur. Concours méd., 1946, **68**: 1147.—**Marion, G.** Des injections bulbaires dans l'incontinence d'urine. J. urol. méd., Par., 1944–45, **52**: 242.—**Mueller, B.** Ein selbstgefertigter Urinhalter, ein Kuriosum. Zschr. Urol., 1926, **20**: 165–7.—**Nagamatu, G., Johnson, T., & Silverstein, M. E.** A new skin treatment for the incontinent patient; a preliminary report. Geriatrics, 1949, **4**: 293–302.—**Ørkild, E.** [Dysuria and ephedrin; report on treatment of nocturnal and myelitic enuresis] Ugeskr. laeger, 1937, **99**: 851–3.—**Player, L. P., & Callander, C. L.** A method for the cure of urinary incontinence in the male; preliminary report. J. Am. M. Ass., 1927, **88**: 989–91.—**Rousseau, P.** Le traitement électrique de l'incontinence d'urine (essai de classification) Gaz. méd. France, 1930, 260–5.—**Salomon, H.** Un remedio sencillo en los casos de la incontinencia urinaria. Día méd., B. Air., 1947, **19**: 2300.—**Schulze.** Die epidurale Kochsalzinjektion bei der Harninkontinenz. Zbl. Chir., 1948, **73**: 666.—**Sorrentino, M.** La marconithérapie dans l'incontinence essentielle d'urine. J. urol. méd., Par., 1937, **44**: 501.

—— Incontinence—in animals.

Schnelle, G. B. Diethylstilbestrol in the treatment of incontinence in spayed bitches and other conditions. North Am. Vet., 1942, **23**: 447. Also Vet. Pract., Evanston, 1942, **23**: No. 10, 17.

—— Incontinence—in women.

Azevedo, G. V. de. *Da incontinência uretral na mulher. 93p. 22cm. S. Paulo, 1938.

Orriols Leverett, M. *Incontinencia de orina en la mujer [Chile] 62p. 26cm. Santiago de Chile, 1946.

Bourque, J. P. L'incontinence des urines chez la femme. Union méd. Canada, 1945, **74**: 1569–76.—**Brack, C. B.** Urinary incontinence in the female. Urol. Cut. Rev., 1942, **46**: 273–7.—**Clute, H. M.** Urinary incontinence in women; a case report. Surg. Clin. N. America, 1932, **12**: 751–5.—**Coll de Carrera, J.** Incontinence d'urines prolongée du post-partum. Bull. Soc. obst. gyn. Paris, 1929, **18**: 255.—**Counseller, V. S.** Urinary incontinence in women. Am. J. Obst., 1943, **45**: 479–89.—**Couvelaire, R.** L'incontinence d'urine chez la femme. Progr. méd., Par., 1946, **74**: 7–9.—**Ercole, R., & Iturralde, J. M.** Incontinencia de orina en la mujer. Día méd., B. Air., 1943, **15**: 1029; 1050.—**François, J.** L'incontinence d'urine chez la femme. Scalpel, Brux., 1947, **100**: 271–6.—**Hance, B. M.** A urologic and gynecologic problem; case report. Urol. Cut. Rev., 1948, **52**: 21.—**Hartmann, I. P.** Om urininkontinens hos kvinden. Nord. med., 1942, **13**: 251.—**Kennedy, W. T.** Incontinence of urine in the female. Am. J. Obst., 1937, **33**: 19–29.—**Lira Valencia, A.** Incontinencia de orina en la mujer. Rev. méd. Chile, 1945, **73**: 945–9. Also Rev. med., Valparaíso, 1945–46, **19**: 310–5.—**Martínez de Hoz, R.** La incontinencia de orina en la mujer. Rev. méd. quir. pat. fem., B. Air., 1943, **21**: 255–9.—**Mikulicz-Radecki, F. v.** Klinik und Therapie der Inkontinenz bei der Frau. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 218–20. Also Münch. med. Wschr., 1930, **77**: 136; 180.—**Natvig, H.** [Incontinence of urine in women] Norsk mag. lægevid., 1931, **92**: 325–91, 2 pl.—**Ottow, B.** Zur Technik der Blasenuntersuchung bei völliger urethraler Inkontinenz. Zbl. Gyn., 1932, **56**: 1719–21.—**Sánchez Sañudo, L., & Lebron Pagano, R. F.** La incontinencia de orina en la mujer. Día méd., B. Air., 1948, **20**: 1084–8.—**Sorrentino, B.** L'incontinenza di urina nella donna. Monit. ostet. gin., 1935, **7**: 599–606.—**Sure, J. H.** Urinary incontinence in the female. Urol. Cut. Rev., 1943, **47**: 399.—**Wesselink, D. G.** [Incontinence of urine in women] Ned. tschr. geneesk., 1937, **81**: 1696–700.—**Zambelli, R.** Osservazioni cliniche su alcuni casi di incontinenza uretrale in condizioni di deficiente o cessata attività ovarica. Ann. ostet. gin., 1941, **63**: 1587–615.

—— Incontinence—in women: Etiology.

Alberto, C., & Castaño, E. Incontinencia de orina y fibroma uterino. Bol. Soc. cir. B. Aires, 1928, **12**: 642–6.—**Amreich, I.** Die Harninkontinenz beim Weibe; Aetiologie und Therapie der Inkontinenz; Operationsindikationen. Chirurg, 1932, **4**: 234–40.—**Bokelmann.** Weibliche Sphinkterschwäche. Zschr. ärztl. Fortbild., 1944, **41**: 10.—**Bruni, C.** Eine sehr seltene Ursache von Harninkontinenz bei einer Frau; Wiederherstellung des Blasenhalses und der Harnröhre; Heilung. Zschr. Urol., 1927, **21**: 836–8. Also Med. prat., Nap., 1928, **13**: 264–7.—**Chocholka, E. F.** [Cystoscopic modifications in incontinence in women, caused by changes in the genital apparatus] Cas. lék. česk, 1931, **70**: 565–70.—**Cvetkov, V. P.** [Constant incontinence of urine in women with anomalies of the urinary tract] J. akush., 1933, **44**: 117–25.—**Darget & Mandillon.** Incontinence vraie d'urine par insuffisance sphinctérienne chez une femme de 50 ans à début remontant à l'enfance. Bordeaux chir., 1933, **4**: 204–7.—**Davids, A. M., Newman, H. F., & Rubin, I. C.** The mechanism and treatment of partial urinary incontinence in women. J. Mount Sinai Hosp. N. York, 1937–38, **4**: 861–81.—**Franck, A., & Adrian, C.** Incontinence d'urine par abouchement vulvaire d'un uretère surnuméraire; guérison par hémi-néphrectomie. Bull. Soc. fr. urol., 1936, 207–14.—**Galloway, C. E.** Some common causcs of urinary incontinence in women; case reports. Urol. Cut. Rev., 1939, **43**: 610–3.—**Gayet, R., & Gaillard, G.** La maladie du col vésical chez la femme. Lyon méd., 1941, **165**: 281–92.—**Gómez B., C.** Incontinence d'urine chez la femme par relâchement du sphincter vésical et son traitement. J. urol. méd., Par., 1938, **46**: 344–56.—**Heidler, H.** Incontinentia urinae relativa climacterica. Wien. med. Wschr.,

1930, 80: 1200–5.—**Heyns, O. S.** Urinary incontinence in the female without obvious anatomical cause. Clin. Proc., Cape Town, 1943, 2: 311–22, pl.—**Iancu, I.** [Various causes of incontinence of urine in women] Rev. român. urol., 1937, 4: 322–4.—**Incontinenza** di urine e prolasso vaginale. Rinasc. med., 1934, 11: 634.—**Kamniker, H.** Ursachen und Behandlung der Incontinentia urinae beim Weibe. Mitt. Volksgesundhamt., Wien, 1932, Aerztl. Prax., 114–8. Also Wien. klin. Wschr., 1932, 45: 272–6.—**Kennedy, W. T.** The muscle of micturition; its role in the sphincter mechanism with reference to incontinence in the female. Am. J. Obst., 1946, 52: 206–17.—**Manso, E. C.** Um caso raro de incontinência uretral na mulher. Rev. paul. med., 1948, 33: 286.—**Marion.** Des incontinences d'urine chez la femme, et en particulier de l'incontinence par insuffisance sphinctérienne. Concours méd., 1941, 63: 59–61. Also J. urol. méd., Par., 1941, 49: 131–40.—**Mikulicz-Radecki, F. v.** Röntgenologische Studien zur Aetiologie der urethralen Inkontinenz. Zbl. Gyn., 1931, 55: 795–810.—**Moir, J. C.** Urinary incontinence following childbirth, including vesico-vaginal fistulae. Edinburgh M. J., 1947, 54: 368–81.—**Rapin.** Incontinence d'urine et prolapsus vaginal. Rev. belge sc. méd., 1934, 6: 577–89.—**Rihmer, B. v.** Von einem durch Gabelung des linken Ureters und Einmündung eines Zweiges in die Vagina verursachten Harnträufeln bei einem 17 jährigen Mädchen; Ureterresektion und Neoimplantation in die Blase. Zschr. urol. Chir., 1930, 29: 55–9.—**Ten Berge, B. S.** [Post-partum incontinence of urine] Ned. tschr. geneesk., 1937, 81: 1541–8.—**Traut, H. F.** Acquired incontinence of the urinary bladder in the female. Med. Rec., Houston, 1940, 34: 522–5.

—— Incontinence— in women, orthostatic and stress.

Aldridge, A. H. Transplantation of fascia for relief of urinary stress incontinence. Am. J. Obst., 1942, 44: 398–411. ——— Stress incontinence of urine. Progr. Gyn., N. Y., 1946, 481–90.—**Armstrong, J. T.** Surgical treatments for the relief of urinary stress incontinence. Texas J. M., 1947–48, 43: 500–5.—**Bourg, R.** L'incontinence orthostatique et l'opération de Michon. Bull. Soc. belge gyn., 1947, 17: 217. Also Bruxelles méd., 1948, 28: 2505. Also Gynaecologia, Basel, 1948, 125: 281–301.—**Brito, J. A. de, & Vaz, O.** A operação de Studdiford na incontinência urinária feminina de esforço. Med. cir. farm., Rio, 1948, 144–62.—**Cannon, D. J.** Stress incontinence in women. J. M. Ass. Eire, 1947, 21: 57–9. ——— Urinary stress incontinence. Irish J. M. Sc., 1949, 775–7.—**Chapman, T. L.** The difficult case of stress incontinence. Glasgow M. J., 1948, 29: 49–52.—**Couvelaire, R.** Considérations sur la technique, les indications et les résultats de la suspension aponévrotique du col vésical dans le traitement de l'incontinence d'urine. J. urol. méd., Par., 1944–45, 52: 234–8. ——— Remarques séméiologiques à propos de l'incontinence d'urine dite orthostatique. Ibid., 1946–47, 53: 149–51.—**Currie, D. W.** Some comments on the treatment of stress incontinence. J. Obst. Gyn. Brit. Empire, 1949, 56: 670.—**Davies, J. W.** Urinary stress incontinence; the anatomical defect found and a rational method for its treatment. Surg. Gyn. Obst., 1938, 67: 273–80. ——— Urinary stress incontinence; its relation to cystocele and lacerations of the pelvic floor. J. Urol., Balt., 1942, 48: 536–43. ——— Vulvitis due to stress urinary incontinence. Urol. Cut. Rev., 1947, 51: 635–42.—**Delinotte.** Un procédé simplifié de suspension aponévrotique du col vésical pour incontinence orthostatique d'urine. J. belge urol., 1946–47, 15: 761–3.—**Duggan, A. R. H.** Urinary stress incontinence in women. Med. J. Australia, 1948, 2: 286–91.—**Duvergey, H., & Laporte, L. P.** Incontinence d'urine congénitale orthostatique chez un garçon de 10 ans; resserrement du col par voie transvésicale. J. urol. méd., Par., 1949, 55: 477–80.—**Goldberger, M. A., & Davids, A. M.** The treatment of urinary stress incontinence by the implantation of a tantalum plate. Am. J. Obst., 1947, 54: 829–37.—**Gomes, K.** Incontinência de urina ao esfôrço na mulher. Rev. clín. Inst. mat., Lisb., 1947, 1: 55–76, 3 pl.—**Graber, E. A.** Urinary stress incontinence in women. Urol. Cut. Rev., 1944, 48: 133.—**Hannon, T. R.** Urinary stress incontinence; a gynecological problem. Med. Rec., Houston, 1945, 39: 1017–9.—**Hock, E.** Stress incontinence. J. Urol., Balt., 1947, 57: 1069–84.—**Hoyt, H. S.** Stress incontinence due to phenobarbital. Urol. Cut. Rev., 1949, 53: 408.—**Ingelman-Sundberg, A.** Extravaginal plastic repair of the pelvic floor for prolapse of the bladder neck; a new method to operate for stress incontinence. Gynaecologia, Basel, 1947, 123: 242–54. ——— The pubovesical ligament in stress incontinence. Acta obst. gyn. scand., 1948–49, 28: No. 3, 185–8.—**Kegel, A. H.** Urinary stress incontinence; physiologic restoration of function of sphincter muscles. Bull. Am. Coll. Surgeons, 1949, 34: 31 (Abstr.)—**Leger, L.** Traitement de l'incontinence orthostatique des urines chez la femme, la cervico-cystopexie par lambeaux aponévrotiques. Presse méd., 1946, 54: 876. Also Union méd. Canada, 1948, 77: 911–5.—**Macky, F.** An operation for the cure of stress incontinence in the female. J. Urol., Balt., 1944, 52: 27–35.—**Magder, E.** L'incontinence vésicale orthostatique féminine traitée par cervicocystopexie. Paris méd., 1947, 37: 528–30.—**Mahfouz, N.** Stress incontinence of urine. In his Atlas Obst. Gyn. Museum, Altrincham, 1949, 2: 593.—**Malpas, P.** Stress incontinence. Lancet, Lond., 1946, 1: 55.—**Marchetti, A. A.** The female bladder and urethra before and after correction for stress incontinence. Am. J. Obst., 1949, 58: 1145–54, illust. Also Harper Hosp. Bull., Detr., 1949, 7: 290.—**Marion, G.** Levantamiento del cuello vesical por vía vaginal en las incontinencias ortostáticas. Rev. argent. urol., 1948, 17: 1–6.—**Marshall, C. M.** Relief of severe stress incontinence; technique and anatomy of two suprapubic fascial operations. J. Obst. Gyn. Brit. Empire, 1948, 55: 126–34, 4 pl.—**Marshall, V. F., Marchetti, A. A., & Krantz, K. E.** The correction of stress incontinence by simple vesicourethral suspension. Surg. Gyn. Obst., 1949, 88: 509–18.—**Mathieu, J.** Cervico-cystopexie dans l'incontinence orthostatique des urines. Lyon chir., 1948, 43: 315.—**Michon, L.** Incontinencia orstostática en la mujer. Clín. laborat., Zaragoza, 1949, 48: 241–6.—**Michon, P.** Traitement de l'incontinence essentielle orthostatique d'urine chez la femme par la vitamine B_1. Presse méd., 1947, 55: 549.—**Millin, T.** Stress incontinence in women. In his Retropub. Urin. Surg., Balt., 1947, 184–93. ——— **& Read, C. D.** Stress incontinence of urine in the female. Overseas Postgrad. M. J., Lond., 1947–48, 2: 293–306. Also Postgrad. M. J., Lond., 1948, 24: 3; passim.—**Mougenot, J., & Lombard, A.** L'incontinence d'urine orthostatique chez la femme. France méd., 1948, 11: No. 3, 9–12.—**Muellner, S. R.** The etiology of stress incontinence. Surg. Gyn. Obst., 1949, 88: 237–42.—**Ormond, J. K.** Treatment of stress incontinence in women. Tr. Am. Ass. Genitourin. Surgeons (1946) 1947, 38: 79–85, Also J. Urol., Balt., 1947, 57: 326–30.—**Padovec, J.** Příspěvek k otázce chirurgické léčby relativní inkontinence moče u žen; zpráva o 47 operovaných případech. Cesk. gyn., 1947, 12: 345–58.—**Perrin, E.** Cervico-cystopexie et incontinence orthostatique. J. urol. méd., Par., 1944–45, 52: 239–42. ——— Un cas d'incontinence orthostatique traité par cervico-cysto-pexie. Lyon chir., 1945, 40: 102. ——— Deux cas d'incontinence orthostatique d'urines traités par cervico-cystopexie. Ibid., 642–4.—**Philip, A.** Gynecological operations in the treatment of stress incontinence of urine. Urol. Cut. Rev., 1947, 51: 80.—**Reddington, M.** Stress incontinence. Brit. J. Urol., 1948, 20: 77–81.—**Reich, W. J., Wilkey, J. L., & Silverman, H. E.** Urinary stress incontinence in the female; a combined gyno-urological approach to its correction. Am. J. Surg., 1945, 70: 341–53.—**Reis, R. A., & DeCosta, E. J.** Stress incontinence in the female. Am. J. Obst., 1947, 53: 776–86.—**Renauld, J. M.** A propos de la chirurgie rétro-pubienne; une technique de Terence Millin; la suspension en écharpe du col vésical, traitement de l'incontinence orthostatique. Cah. méd., Alger, 1948, 3: 423–32.—**Schneider, P.** The Halban operation for the treatment of urinary stress incontinence with a discussion of the anatomical factors involved. Urol. Cut. Rev., 1944, 48: 134–41.—**Shaw, W.** An operation for the treatment of stress incontinence. Brit. M. J., 1949, 1: 1070–3.—**Stern, D. M.** The cause and treatment of stress incontinence in women. Clin. J., Lond., 1944, 73: 102.—**Stress** incontinence. Lancet, Lond., 1940, 2: 723.—**Studdiford, W. E.** Transplantation of abdominal fascia for the relief of urinary stress incontinence. Am. J. Obst., 1944, 47: 764; 1945, 50: 119. ——— The problem of stress incontinence and its surgical relief. Surg. Gyn. Obst., 1946, 83: 742–50.—**Treahy, P. A., & Pacey, H. K.** Stress incontinence in the female. Austral. N. Zealand J. Surg., 1947–48, 17: 247–52.—**Van Duzen, R. E.** Stress incontinence in women. J. Urol., Balt., 1946, 55: 648–50.—**Vartan, K.** Treatment of stress incontinence. Brit. M. J., 1949, 2: 99.—**Wahren, H.** The operative treatment of female stress incontinence. Acta chir. scand., 1948–49, 97: 331–7.—**Williams, E., Millin, T.** [et al.] Discussion on stress incontinence in micturition. Proc. R. Soc. M., Lond., 1946–47, 40: 361–70.

—— Incontinence—in women: Surgery.

See also **Micturition, Incontinence: Surgery.**

Beutel, G. A. F. J. *Ueber Incontinentia urinae des Weibes und ihre operative Behandlung [Berlin] 44p. 8° Pasewalk, 1931.

Esnault, R. *Traitement par la plicature vésico-urétrale des formes graves de l'incontinence d'urine d'origine urétrale chez la femme [Paris] 63p. 8° Angers, 1936.

Huot, P. *L'incontinence d'urine associée au prolapsus utérin; son traitement par l'opération de Marion. 43p. 24cm. Lyon, 1944.

Abud P., E. Incontinencia de orina en la mujer; operación de Aldridge. Arch. Soc. cirujan. hosp., Santiago, 1943, 13: 201.—**Åkerberg, E.** Om urinblåsinkontinens hos kvinnor och dess operativa behandling. Nord. med., 1942, 15: 2277.—**Baumm, H.** Beitrag zur Operation der Inkontinentia urinae nach Goebell-Frangenheim-Stoeckel. Mschr. Geburtsh., 1931, 87: 66–75.—**Bengolea, A. J., Bazterrica, E., & Peralta Ramos, A. G.** Incontinencia de la orina en la mujer; operación de Aldridge. Prensa méd. argent., 1945, 32: 65–70.—**Bierring, K.** [Treatment of incontinence of urine by a modified Goebell-Stoeckel operation] Hospitalstidende, 1930, 73: For. Gyn. Obst. Forh., 70–3.—**Bouwdijk Bastiaanse.** Kunstmatige blassfistels. Ned. tschr. verlosk., 1948, 48: 280–5.—**Burger, K.** Einfaches Verfahren zur Beseitigung partieller Urininkontinenz der Frauen. Zbl. Gyn., 1943, 67: 1086. ——— Neuere operative Heilmethode der Harninkontinenz. Ibid., 1389.—**Carloni, E.** Un nuovo procedimento operativo nella cura dell'incontinenza funzionale urinaria. Monit. ostet. gin., 1930, 2: 40–51.—**Cibert, J.** Sur le traitement de l'incontinence

d'urine chez la femme. Lyon chir., 1944, **39**: 663–6.—**Conrad, G.** Beitrag zur Pyramidalisfascienplastik bei der weiblichen Incontinentia urinae. Zbl. Gyn., 1929, **53**: 3359–62.—**Cramer, H.** Grundsätzliches und Technisches der Goebell'schen Operation zur Beseitigung der Incontinentia urinae. Ibid., 342–7.—**Douglass, M.** Operative treatment of urinary incontinence. Am. J. Obst., 1936, **31**: 268–79.—**Ferreira, L.** Tratamento cirúrgico da incontinência de urina na mulher. Med. cir. pharm., Rio, 1939, 599–603.—**Figarella, J.** A propos de quatre cas de suspension pubienne du col vésical dans l'incontinence d'urine chez la femme. Lyon chir., 1944, **39**: 239–42.—**Fornero, A.** L'operazione di Schauta-Wertheim usata con successo in due casi di incontinenza urinaria funzionale e su alcune modificazioni di tecnica. Riv. ital. gin., 1928, **7**: 209–20.—**Fränkel, W. K.** Inkontinenzbehandlung bei Frauen mit intravesicaler Elektrokoagulation. Med. Klin., Berl., 1929, **25**: 1287.—**Frank, R. T.** Operation for the cure of incontinence of urine in the female. Am. J. Obst., 1947, **53**: 618–26.—**Franz, R.** Ueber die Behandlung der Harninkontinenz mit Hilfe der Levatorplastik. Zbl. Gyn., 1943, **67**: 1930–50.—**Frigyesi, J.** Ueber die Inkontinenz der weiblichen Harnblase und deren Therapie. Zschr. urol. Chir., 1934, **39**: 369–88. ——— Ueber Inkontinenz- und Urinfisteloperationen. Arch. Gyn., Berl., 1936, **161**: 174–8; Disc., 188–90. Also Zbl. Gyn., 1936, **60**: 78.—**Gasparian, A. M., & Epstein, I. M.** [Contemporary viewpoint on incontinence of urine in women and newest methods in treatment, electrocoagulation] Urologia, Moskva, 1932, **9**: 8–19.—**Geyer, M.** Considerazioni sulla cura chirurgica dell'incontinenza d'urina nella donna. Clin. ostet., 1940, **42**: 521–32.—**Goria, V.** Contribución al tratamiento quirúrgico de la incontinencia de orina en la mujer. Rev. argent. urol., 1948, **17**: 695–702.—**Held, E.** Bemerkungen und Demonstration zur Inkontinenz-Operation nach Terence Millin. Gynaecologia, Basel, 1949, **128**: 397–400. ——— Ueber die operative Behandlung der weiblichen Inkontinenz ohne Descensus. Schweiz. med. Wschr., 1949, **79**: 1004–7.—**Higgins, C. C., & Schlumberger, F. C.** Surgical management of urinary incontinence in women. Surg. Clin. N. America, 1937, **17**: 1517–24.—**Hijmans, F.** Die Operation nach Rapin zur Behebung der Harninkontinenz beim Weibe. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 235–9.—**Huc, G., & Goidin, E.** Du traitement des incontinences d'urine chez la femme. Mém. Acad. chir., Par., 1943, **69**: 127.—**Israel, W.** Die endovesikale Behandlung der Incontinentia urinae des Weibes mit Thermokoagulation. Fortsch. Ther., 1931, **7**: 78–81.—**Jaeggy, E.** A propos de la cystalgie et de l'incontinence d'urine chez la femme et de leur traitement par l'électrocoagulation. Praxis, Bern, 1934, **23**: 477–9.—**Johnston, H. W.** Urinary incontinence following childbirth: its surgical treatment. Surg. Gyn. Obst., 1931, **53**: 97–101.—**Kanisch, I.** Ueber Dauererfolge nach direkter Muskelplastik wegen urethraler Inkontinenz. Zbl. Gyn., 1931, **55**: 1115–7.—**Kennedy, W. T.** Urinary incontinence relieved by restoration and maintenance of the normal position of the urethra. Am. J. Obst., 1941, **41**: 16–28.—**Labry, R., & Charvet, J.** Résultats éloignés de la cervico-cystopexie; opération de E. Perrin. Lyon chir., 1948, **43**: 247–50.—**Leger, L.** Technique de cervico-cystopexie par lambeaux aponévrotiques. J. urol. méd., Par., 1946–47, **53**: 151–3.—**Levin, M. M.** [Operative treatment of incontinence of urine in women] Vest. khir., 1930, **21**: 129–33.—**Lira Valencia, A.** Incontinencia de orina en la mujer; tratamiento quirúrgico. Rev. Soc. chilena urol., 1945, **8**: 1344–9.—**McCutchen, G. T., & Kinder, E. C.** Report of a case of urinary incontinence complicated by recto-vaginal fistula. Rec. Columbia M. Soc. Richland Co., 1948, **12**: 14–7.—**Manujlow, A.** Operative Behandlung der Harninkontinenz beim Weibe. Zschr. urol. Chir., 1934–35, **40**: 455–61.—**Martius.** Ueber Harnfistel- und Inkontinenzoperationen. Arch. Gyn., Berl., 1936, **161**: 167–74; Disc., 188–90. ——— Bericht über einige Harninkontinenzoperationen. Zbl. Gyn., 1947, **69**: 999–1001.—**Mayer, A.** Die operative Behandlung der Blasensphinkterschwäche. Ibid., 418–22.—**Mazhbitz, A. M.** [Surgical therapy of urinary incontinence in women, caused by obstetric trauma] J. akush., 1931, **42**: 409–18. ——— Dauerresultate der direkten Muskelplastik bei Harninkontinenz des Weibes. Zbl. Gyn., 1931, **55**: 2307–9.—**Meschede, H.** Zur Behebung der traumatischen Inkontinenz der Frauen. Zschr. urol. Chir., 1938, **44**: 22–5.—**Mestitz, W.** Zur operativen Behandlung der Incontinentia urinae. Zbl. Gyn., 1934, **58**: 3046–56.—**Michon, L.** Traitement de l'incontinence d'urine de la femme par la suspension aponévrotique du col vésical. Mém. Acad. chir., Par., 1943, **69**: 121–6.—**Mikulicz-Radecki, F. v.** Die Incontinentia urinae beim Weibe und ihre Therapie. Zschr. Urol., 1928, **22**: 957–75. ——— Zur operativen Behandlung der Incontinentia urinae [mit Kasuistik] Zbl. Gyn., 1928, **52**: 3075–92.—**Miller, N. F.** The surgical treatment of urinary incontinence in the female. J. Am. M. Ass., 1932, **98**: 628–32.—**Müller, G.** [Causes and operative treatment of incontinence of urine in women] Cas. lék. česk., 1933, **72**: 1483–6.—**Nisot, P.** Myorraphie des caverneux. Bruxelles méd., 1947, **27**: 1106–10.—**Nora, G.** Réfection du col vésical pour incontinence d'urine chez la femme. Bull. Soc. chir. Paris, 1934, **26**: 135–42. Also J. méd. Paris, 1934, **54**: 787–9.—**O'Conor, V. J.** Functional incontinence of urine in women; repair by a modification of Kelly's operative technic. Tr. Am. Ass. Genitourin. Surgeons, 1931, **24**: 341–3. Also Surg. Clin. N. America, 1931, **11**: 205–8.—**Paixão, W.** Em torno de um caso de incontinencia urinaria na mulher, operado pela técnica de Goebell-Stoeckel-Frangenheim. Rev. gin. obst., Rio, 1943, **37**: pt 2, 337–49.—**Palik, F.** Erfolge mit der Stoeckelschen direkten Muskelplastik bei der weiblichen Blasensphinkterinsuffizienz. Zbl. Gyn., 1947, **69**: 422–7.—**Perrin, E.** Technique, indications et résultats de la cervico-cysto-pexie. Lyon chir. 1946, **41**: 270–8.—**Phaneuf, L. E., Hefferan, R. J., & Kasdon, S. C.** Functional urinary incontinence in women; a report of 23 cases treated by the Kennedy operation. N. England J. M., 1943, **229**: 743–8.—**Pollosson, E.** Sur le traitement de l'incontinence d'urine chez la femme. Lyon chir., 1944, **39**: 672–4.—**Pou Orfila, J.** Los métodos de tratamiento de la incontinencia de orina en la mujer, con especial mención de la cisto-uretroplastia aponeurótica de Stoeckel. An. Fac. med., Montev., 1930, **15**: 1–14, 6 pl.—**Rodríguez Santana, L.** Un caso de incontinencia de orina en la mujer, tratado por la operación de Goebell-Stoeckel. Bol. hosp., Caracas, 1939, **38**: 496–509.—**Romanov, M. A.** [Surgical treatment in incontinence of urine in women, caused by functional insufficiency of the vesical sphincter] J. akush., 1929, **40**: 493–9.—**Salgado, C., & Rocha, A.** Miorrafia sub-uretral dos bulbo-cavernosos para correção da incontinência uretral. An. brasil. gin., 1949, **27**: 359–70.—**Samuel, M.** Die Heilung der Harninkontinenz durch vaginale Korpusamputation. Zbl. Gyn., 1927, **51**: 2944.—**Scheffelaar Klots, T.** [Treatment of partial incontinence of urine in women by electrocoagulation of the neck of the bladder] Geneesk. gids, 1932, **10**: 1005–14. ——— [Successful treatment of partial incontinence of urine in a woman by electrocoagulation] Ned. tschr. geneesk., 1932, **76**: pt 4, 5254–8.—**Serrallach Julía, F.** Patogenia y tratamiento de la incontinencia de orina en la mujer. Rev. cir. Barcelona, 1933, **6**: 310.—**Shereshevsky, J.** Beitrag zur operativen Behandlung der Harninkontinenz beim Weibe. Zschr. urol. Chir., 1931, **32**: 157–78.—**Smith, M. K.** The surgical treatment of urinary incontinence in women. Ann. Surg., 1930, **92**: 394–9.—**Sobolev, L. N.** [Goebell-Stoeckel operation in functional urine incontinence in women] J. akush., 1931, **42**: 352–6.—**Sorrentino, M.** Contributo alla cura chirurgica dell'incontinenza di urina nella donna. Riforma med., 1934, **50**: 286–90.—**Stàncà, C.** [Incontinence of urine and surgical treatment by Goebell-Stöckel method] Cluj. med., 1929, **10**: 153–5. Also Zbl. Gyn., 1935, **59**: 2101–4.—**Stoeckel.** Heilung einer Incontinentia completa durch Uterusinterposition. Zschr. Urol., 1928, **22**: 379. ——— Heilung der Inkontinenz durch Levatorplastik. Mschr. Geburtsh. Gyn., 1934–35, **98**: 237.—**Subocky, V. E.** [Electrocoagulation as a method in treatment of incontinence of urine in women] Urologia, Moskva, 1932, **9**: 24–7.—**Szendi, B.** Beiträge zur operativen Behandlung der Incontinentia urinae partialis der Frau. Zbl. Gyn., 1940, **64**: 2201–10.—**Te Linde, R. W.** Surgical cure of urinary incontinence in women. Tr. South. Surg. Ass. (1946) 1947, **58**: 356–89. Also Ann. Surg., 1947, **126**: 64–97.—**Vozza, F.** L'allungamento dell'uretra nella cura dell'incontinenza di urina nella donna. Atti Soc. lombard. sc. med., 1929, **18**: 45–59.—**Werhatzky, N. P.** Ueber künstliche Sphinkterbildung (Pyramidalisfascienplastik der Harnblase) bei Harninkontinenz der Frauen. Zbl. Gyn., 1935, **59**: 489–98.—**Zappala, G.** L'incontinenza di urina nella donna; sei casi curati con metodo di Goebell-Stoeckel. Arch. ital. urol., 1932–33, **9**: 186.

—— Incontinence—in women: Treatment.

RENAUX, E. A. *Contribution à l'étude du traitement de l'incontinence d'urine d'origine urétrale chez la femme. 51p. 24cm. Lille, 1936.

Arenas, N. Tratamiento de la incontinencia de orina en la mujer. Bol. Soc. chilena obst. gin., 1941–42, **7**: 614–9.—**Atabekov, D. N.** [Therapy of urine incontinence in women] Urologia, Moskva, 1937, **14**: 21–3. ——— [Treatment of incontinence of urine in women by means of physical culture] Akush. gin., 1939, No. 10, 31–5.—**Banasz, A.** [Treatment of incontinence of urine in women] Warsz. czas. lek., 1933, **10**: 153.—**Bathurst, L. W.** Treatment of incontinence of urine in women by electro-therapeutic means. Proc. R. Soc. M., Lond., 1927–28, **21**: Sect. Electrother., 35–8.—**Berman, A.** [Treatment of incontinence of urine in women] Ned. tschr. gencesk., 1935, **79**: 3148–53.—**Bertone, C.** Sul trattamento dell'incontinenza d'orine acquisita nella donna. Riforma med., 1936, **52**: 973.—**Casper, L.** Zur Therapie der Incontinentia urinae des Weibes. Deut. med. Wschr., 1927, **53**: 1212.—**Ferris, D. O.** Management of urinary incontinence in women. Surg. Clin. N. America, 1947, **27**: 857–65.—**Fulkerson, L. L.** Incontinence of urine in women; urethrocele; relaxed vesical sphincter; urethral dilatation. Urol. Cut. Rev., 1939, **43**: 569–73.—**Hoffmann, F.** Ueber die Behandlung der Blaseninkontinenz mit Follikelhormon. Zbl. Gyn., 1937, **61**: 2545–8. Also Arch. Gyn., Berl., 1938, **166**: 240; Disc., 242–52.—**Josserand, A.** De l'emploi de petites doses associées de strychnine et d'acide phosphorique dans le traitement de l'incontinence urinaire des vieilles femmes. Lyon méd., 1949, **181**: 278.—**Kamniker, H.** Zur Behebung der weiblichen Harninkontinenz. Wien. klin. Wschr., 1938, **51**: 718–20.—**Kennedy, W. T.** Incontinence of urine in the female, the urethral sphincter mechanism, damage of function, and restoration of control. Am. J. Obst., 1937, **34**: 576–89. ——— Incontinence of urine in the female: study of the urethral sphincter under hydrostatic pressure with roentgenograms; sphincter mechanism, loss of control, restoration. N. York State J. M., 1938, **38**: 256–61.—**Kushelevsky, A. P.** [Treatment of incontinence of urine in women by d'arsonvalization] Fizioterapia, Moskva, 1939,

No. 6, 46–9.—L., C. Tratamiento de la incontinencia de orina en la mujer. Día méd., B. Air., 1933–34, **6**: 741.—**Marti, T.** Zur Behandlung der durch ungenügenden Sphinkterschluss bedingten Harninkontinenz der Frauen. Zschr. Urol., 1939, **33**: 692–6.—**Martius, H.** Ueber die Behandlung der Harninkontinenz bei der Frau. Med. Klin., Berl., 1938, **34**: 1283.—**Muret, M., & Rapin, O. J.** Du traitement de l'incontinence d'urine chez la femme. Gyn. obst., Par., 1937, **36**: 81–113. Also Gynécologie, 1938, **37**: 154–61.—**Paetzel, W.** Ueber ambulante Behandlung der häufigsten Formen weiblicher Inkontinenz. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 240–9.—**Palmer, R.** L'insufflation urétéro-vésicale dans l'incontinence d'urine. Gynécologie, 1938, **37**: 168–71.—**Penkert, M.** Ueber Harninkontinenz bei der Frau und ihre Therapie. Zschr. ärztl. Fortbild., 1939, **36**: 71–4.—**Picard, E.** Die endovesikale Behandlung der Incontinentia urinae beim Weibe. Zschr. Urol., 1929, **23**: 654–6. ——— Zur Therapie der weiblichen Harninkontinenz. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 233.—**R., J. C.** Traitement de l'incontinence d'urine chez la femme. J. prat., Par., 1948, **62**: 43.—**Rashbaum, M., & Mandelbaum, C. C.** Nonoperative treatment of urinary incontinence in women. Am. J. Obst., 1948, **56**: 777–80.—**Santi, E.** Zur Behandlung der Harnkontinenz beim Weibe. Zbl. Gyn., 1934, **58**: 685–9.—**Schumann, E. A.** The management of urinary incontinence in women. Surg. Clin. N. America, 1936, **16**: 445–50.—**Starobinskaia, S. M., Popova, A. V., & Poselskaia, C. J.** [Treatment of incontinence of urine in women by means of physical culture] Urologia, Moskva, 1938, **15**: No. 2, 50.—**Stöckl, W.** Zur Behandlung der Harninkontinenz bei Frauen. Wien. med. Wschr., 1939, **89**: 572.—**Subocky, B. W. E.** Die Elektrokoagulation als Behandlungsmethode der Harninkontinenz bei der Frau. Zschr. Urol., 1932, **26**: 819–28.—**Surraco, L. A., & Lockhart, J.** Tratamiento de ciertas formas de la incontinencia de orina de la mujer. Arch. urug. med., 1949, **34**: 525–36.—**Violet, H.** Le traitement de l'incontinence d'urine chez la femme. Lyon méd., 1932, **150**: 597–601. Also Rev. fr. gyn. obst., 1932, **23**: Suppl., 551–5.—**Werner, P.** El tratamiento de la incontinencia urinaria en la mujer. Rev. méd. quir. pat. fem., B. Air., 1939, **14**: 1217–23.

—— Inhibition.

Freeman, G. L. Postural accompaniments of the voluntary inhibition of micturition. J. Exp. Psychol., 1938, **23**: 45–61. ——— The effect of inhibited micturition upon interrupted and completed acts of unrelated origin. J. Gen. Psychol., 1938, **19**: 277–83.—**Jones, M. R.** Studies in nervous movements; the effect of inhibition of micturition on the frequency and patterning of movements. Ibid., 1943, **29**: 303–12.

—— Ischuria.

See subdivision Retention.

—— Measurement.

See also **Bladder** (Cystometry; Examination)

Ballesteros M., M. La cistometría. Rev. urol., Méx., 1945, **3**: 206–23.—**Band, D.** Cystometry. Brit. J. Urol., 1945, **17**: 1–25.—**Baumrucker, G. O.** A new instrument; the fluid volume gauge; its use in cystometry. J. Urol., Balt., 1939, **42**: 629–36.—**Bellis, C. J.** Cystometry after spinal anesthesia. Surgery, 1944, **16**: 896–905.—**Boyd, M. L., & Smith, W. A.** Why are abnormal cystometrograms obtained in normal patients? J. Urol., Balt., 1938, **40**: 513–8.—**Carleton, S., & Nagamatsu, G. R.** A new cystometer. Ibid., 1939, **41**: 941.—**Cheetham, J. G.** A clinical evaluation of the cystometer. Ibid., 1938, **39**: 569–88.—**Drake, W. M.**, jr. The uroflometer; an aid to the study of the lower urinary tract. Ibid., 1948, **59**: 650–8.—**Gaudin, H.** A recording continuous flow cystometer. N. Zealand M. J., 1947, **46**: 428.—**Hartley, C. C.** Cystometry and the cystometrogram. S. Barth. Hosp. J., Lond., 1946–47, **50**: 105–10.—**Heusser, H.** Die Manometrie der Harnblase (Cystometrie) Zschr. urol. Chir., 1938, **44**: 312–25.—**Irazu, J.** Cistometría en la fisiopatología vesical. Rev. med., B. Air., 1943, **5**: 755–8.—**Jacobson, C. E.**, jr. A simple and practical cystometer. J. Urol., Balt., 1944, **51**: 189.—**Landes, H. E., & Voris, H. C.** A new cystometer incorporating the advantages of a water manometer and a continuous tracing. Ibid., 1938, **39**: 813–6. ——— An electrocystometrograph; report of a new instrument. Ibid., 1940, **43**: 345–55.—**Lane, C., & Hoffman, E.** An easily constructed cystometric set-up for office use. Urol. Cut. Rev., 1937, **41**: 27.—**Lewis, L. G.** A new clinical recording cystometer. J. Urol., Balt., 1939, 41: 638–45. ——— **& Langworthy, O. R.** Cystometry. Ibid., 1938, **40**: 677–83.—**Lowsley, O. S., & Hunt, R. W.** A new clinical cystometer. Urol. Cut. Rev., 1937, **41**: 545–50.—**McCrea, L. E.** Cystometry and its interpretation. Ibid., 1940, **44**: 362–6.—**Mehl, R.** Die Blasendruckmessung (Cystometrie) Med. Klin., Münch., 1947, **42**: 809–11.—**Muschat, M.** Cystometric studies; the value of follow-up examinations. Am. J. M. Sc., 1936, **192**: 693–7. ——— Simplified determination and practical interpretation in cystometry; a critique of attempts made to complicate this procedure. J. Urol., Balt., 1940, **43**: 582–7. ——— **Carp, J., & Charny, C. W.** The normal cystometrogram. Ibid., 1937, **37**: 718–20.—**O'Heeron, M. K.** Cystometry; its value and limitations. Ibid., 1942, **47**: 824–37.—**Povlsen, O.** [Cystometry] Hospitalstidende, 1938, **81**: Suppl., 137–56. ——— Zur cystometrischen Technik. Zschr. urol. Chir., 1939, **45**: 72–9. ——— Cystometrimetode til praktisk-klinisk brug. Nord. med., 1942, **14**: 1470–2.—**Rose, D. K.** The present status of cystometry. J. Am. M. Ass., 1936, **107**: 1534–7. ——— An improved continuous flow recording cystometer. J. Urol., Balt., 1940, **43**: 718. ——— Cystometry. In: Med. Physics (Glasser, O.) Chic., 1944, 295–9.—**Satō, A. Bōkō naiatu sokutei** [Cystometry] Jap. J. Urol., 1940, **29**: 447; passim.—**Schultz, W. H.** Studies of the rat's genito-urinary tract; quantitative measurements of intravesical volume and pressure and of the urethral outflow. J. Urol., Balt., 1935, **34**: 156–65.—**Simons, I.** Neurologic studies by means of the microcystometer and the sphincterometer; studies in bladder function, preliminary report. Ibid., 1938, **39**: 791–812. ——— Cystometry; its status and outlook, with special reference to microcystometry and sphincterometry. Urol. Cut. Rev., 1938, **42**: 316–22.—**Terruzzi, B.** La cistometria nella pratica urologica. Arch. ital. urol., 1947–48, **22**: 360–75.—**Tracanella, D.** Cistometria. Rev. Ass. paul. med., 1940, **17**: 301–10.—**Valk, W. L.** A simple and inexpensive cystometer. J. Urol., Balt., 1942, **47**: 838.—**Vargas Zalazar, R.** Cistometría y su aplicación clínica. Rev. Soc. chilena urol., 1945, **8**: 1350–9. Also Rev. med., Valparaíso, 1945–46, **19**: 316–26.—**Vellela Itiberê, D., & Tracanella, D.** Kystometria, seu emprego e vantagens. Rev. Ass. paul. med., 1940, **17**: 284 (Abstr.)—**Weyrauch, H. M., Lucia, E. L., & Howard, J.** The failure of the cystometrogram as a diagnostic test; clinical observations and statistical analysis. J. Urol., Balt., 1944, **51**: 191–209.—**Winton, F. R.** The recording of urine flow. J. Physiol., Lond., 1939, **95**: Suppl., 60.—**Wood, L. G.** Cystometry. Bull. Vancouver M. Ass., 1940–41, **17**: 299–303.

—— Nervous control and reflex.

Barrington, F. J. F. The effect of lesions of the hind- and mid-brain on micturition in the cat. Q. J. Exp. Physiol., Lond., 1925, **15**: 81–102. ——— The component reflexes of micturition in the cat. Brain, Lond., 1931, **54**: 177; 1941, **64**: 239.—**Chatonnet, J., Cier, J. F., & Vial, J.** Effets de la destruction de la moelle dorso-lombo-sacrée sur la miction chez le rat. C. rend. Soc. biol., 1947, **141**: 931. ——— Les troubles de la miction chez le rat à section médullaire dorsale. Ibid., 1948, **142**: 99.—**Clark, G.** The central control of micturition. Urol. Cut. Rev., 1945, **49**: 612–7.—**Ecker, A., & Laurie, T. F.** Bladder control; a brief review. J. Urol., Balt., 1941, **45**: 397–403.—**Evans, C. A. L.** The nervous control of micturition. In his Recent Advance. Physiol., 6. ed., Phila., 1939, 310–51.—**Galpérine, S. I., & Chernigovsky, W. N.** [Contribution à l'étude des réflexes axoniques de la vessie] Bull. biol. méd. exp. URSS, 1936, **1**: 267.—**Hah, W. Y.** Untersuchungen über die Nervenwirkung im Miktionsmechanismus der Katze. J. Chosen M. Ass., 1937, **27**: 26.—**Kuhn, R. A.** A note on identification of the motor supply to the detrusor during anterior dorsolumbar rhizotomy. J. Neurosurg., 1949, **6**: 320–3.—**Kwang, K., Hsu, S. H., & Chu, H. N.** A study of the pressor reflex from the urinary bladder in the cat. Proc. Chin. Physiol. Soc. (Chengtu) 1942–43, **1**: 78–80.—**Langworthy, O. R.** Control of micturition by the central nervous system. Arch. Neur. Psychiat., Chic., 1937, **37**: 210–3. ——— **& Hesser, F. H.** Periodic micturition in the cat after section of the sacral nerves. Am. J. Physiol., 1936, **115**: 685–93. ——— An experimental study of micturition released from cerebral control. Ibid., 694–700.—**Langworthy, O. R., Lewis, L. G.** [et al.] Control of micturition by the central nervous system. Ibid., **116**: 95.—**Levin, P. M., & Langworthy, O. R.** Extrapyramidal control of micturition; the effects of lesions of the tegmentum of the mid-brain. Ibid., 1937, **118**: 483–91.—**McMichael, J.** Spinal tracts subserving micturition in a case of Erb's spinal paralysis. Brain, Lond., 1945, **68**: 162–4.—**Nash, D. F. E.** The development of micturition control with special reference to enuresis. Ann. R. Coll. Surgeons England, 1949, **5**: 318–44, illust.—**Newton, W. H.** The nervous control of micturition and defecation. In his Recent Advance. Physiol., 5. ed., Lond., 1936, 438–83.—**Richer, V., & Cier, J. F.** Les effets sur le detrusor urinae et sur le col vésical de l'excitation des nerfs de la vessie chez le chien. C. rend. Soc. biol., 1948, **142**: 344.—**Simons, I.** Further neurologic studies by means of the microcystometer and the sphincterometer; studies in bladder function. J. Urol., Balt., 1942, **48**: 331–42.—**Vidal, F., & Irazu, J.** Area preóptica e hipotálamo lateral en el tonismo vesical. Día méd., B. Air., 1942, **14**: 154.

—— nocturnal.

See subdivision Rhythm. For nocturnal incontinence see **Enuresis.**

—— Obstruction.

See also under names of obstructed parts of the urinary tract as **Kidney pelvis; Ureter; Urethra;** also such terms as **Nephrolithiasis; Urolithiasis,** etc.

Conradt, J. Contribution expérimentale et clinique à l'étude de l'anurie par obstruction. p.91–195. 24cm. Brux., 1939.
In: J. belge urol., 1939, **12**:

GEISTHÖVEL, W., & KIRCHHOFF, A. Ueber die postoperative Anurie; insbesondere die extrarenal bedingte Form. 79p. 21cm. Hildesheim, 1947.

Forms H. 5, Samml. Lax.

YOUNG, H. H., & WATERS, C. A. Obstructive conditions of the urinary tract. p.163–242. 4°. N. Y., 1928.

In: Ann. Roentg., N. Y., 1928, 7:

Andrus, E. C. The renal manifestations of obstruction of the lower urinary tract. Tr. Am. Clim. Clin. Ass., 1931, **47:** 104–16.—**Ballenger, E. G.** The relationship of obstructions to urinary affections. J. Florida M. Ass., 1944–45, **31:** 13–5.—**Bandler, C. G.** Urinary obstruction in children. Tr. Southwest. Br. Am. Urol. Ass., 1938, 88–103. ——— & **Milbert, A. H.** Obstructive uropathies in children. J. Mount Sinai Hosp. N. York, 1937–38, **4:** 690–704.—**Bernardi, R.** Uropatías obstructivas. Día méd., B. Air., 1941, **13:** 836; 1066.—**Birdsall, J. C.** The management of acute urinary tract obstruction. Pennsylvania M. J., 1939–40, **43:** 1424–33. ——— Obstructive lesions of the urinary tract and their relationship in the production of renal pathology. Clinics, 1944–45, **3:** 70–89.—**Boden, O.** Harnwegshindernisse; eine Demonstration von 37 Fällen. Zschr. urol. Chir., 1943, **46:** 456–78.—**Braasch, W. F.** Symptoms and complications of chronic urinary obstruction. Minnesota M., 1930, **13:** 154–7.—**Campbell, M. F.** Viscerosensory phenomena in acute obstruction of the upper urinary tract; the subinguinal syndrome of urinary colic. J. Am. M. Ass., 1929, **92:** 1327–31. ——— Lower urinary tract obstruction in children. Surg. Clin. N. America, 1940, **20:** 377–92. ——— Urinary obstructions in infants and children. Pennsylvania M. J., 1941–42, **45:** 783–9.—**Caulk, J. R.** Urinary obstructions in infants and children. Surg. Gyn. Obst., 1936, **63:** 80–5, 3 pl.—**Church, C. K.** Upper urinary tract obstruction. Urol. Cut. Rev., 1943, **47:** 614–9.—**Conradt, J.** Contribution expérimentale et clinique à l'étude de l'anurie par obstruction. Bruxelles méd., 1938–39, **19:** 1097–9. ——— Diagnostic et traitement de l'anurie par obstruction. Liége méd., 1939, **32:** 559–65.—**Coppridge, W. M.** Congenital urinary obstruction. Tr. M. Soc. N. Carolina, 1926, **73:** 345–8.—**Cutler, I. H.** Obstruction of the urinary tract. Internat. J. Surg., 1927, **40:** 328–34.—**Davis, D. M.** Mild and obscure forms of urinary obstruction. Pennsylvania M. J., 1936–37, **40:** 714–20.—**Frontz, W. A.** Congenital urinary obstructions in male children with reports of cases presenting unusual anomalies. J. Urol., Balt., 1932, **27:** 489–501.—**Helmholz, H. F., & Thompson, G. J.** Urinary obstruction and nfection among children; the importance of their early recognition. Proc. Mayo Clin., 1941, **16:** 6–11.—**Henkel, M.** Drei Fälle von plötzlicher Harnverhaltung, Anurie. Deut. med. Wschr., 1929, **55:** 1307.—**Hubbard, R. W.** Mechanical obstruction to the urinary tract. Eclect. M. J., 1934, **94:** 452–4.—**Hukuda, S.** Nyōhei no sū rei; tuika [Examples of stoppage of urine] Acta derm., Kyoto, 1938, **32:** 211.—**Hyde, C. C.** Urinary obstruction among children. Tr. North Centr. Br. Am. Urol. Ass., 1935, 44–9. Also J. Urol., Balt., 1936, **35:** 534–9.—**Jacobs, A.** Obstructive anuria. Glasgow M. J., 1937, **127:** 105–14, 2 pl.—**Kimball, F. N.** Obstructions to the upper urinary tract. N. York State J. M., 1934, **34:** 756–62.—**Kirkland, S. A.** Obstruction in higher urinary tract. J. M. Ass. Georgia, 1937, **26:** 443–9.—**Kretschmer, H. L.** Urinary obstruction. Proc. Interst. Postgr. M. Ass. N. America, 1932, **7:** 225–31. Also Med. Clin. N. America, 1932, **15:** 225–31.—**Lacal, F.** Anurias excretorias unilaterales; importancia de la pielografía por excreción. Rev. san. mil., B. Air., 1943, **42:** 108–12.—**Macalpine, J. B.** On urinary obstruction. Practitioner, Lond., 1931, **127:** 349–58.—**McCahey, J. F.** Urinary bladder obstructions in children. J. Internat. Coll. Surgeons, 1949, **12:** 170–6.—**McGregor, D. U.** Anuria due to obstruction; case report. Bull. McGregor Clin., Hamilton, 1942, **4:** No. 2, 26–8.—**MacKenzie, D. W., & Ratner, M.** Urinary obstruction in children. J. Mount Sinai Hosp. N. York, 1937–38, **4:** 529–53.—**Mêng, T. C.** Nyōhei no sú rei; tuika [Examples of stoppage of urine] Acta derm., Kyoto, 1938, **32:** 211.—**Mixter, C. G.** Urinary obstructions in childhood. Ann. Surg., 1926, **84:** 533–48.—**Neale, A. V.** Four cases of urinary obstruction. Arch. Dis. Childh., Lond., 1932, **7:** 97–103.—**Olson, P. F.** The effect on the urinary bladder of obstruction to its outlet. Illinois M. J., 1938, **73:** 151–4.—**Owens, C. A.** The diagnosis of urinary obstructions. Nebraska M. J., 1929, **14:** 463–7.—**Parker, G.** The extra-urinary causes of urinary obstruction. Brit. J. Urol., 1937, **9:** 231–53, pl.—**Parton, L. I.** Urinary obstruction. N. Zealand M. J., 1948, **47:** 494.—**Pearlman, S. J.** Lower urinary tract obstruction in children, with two case reports. J. M. Soc. N. Jersey, 1939, **36:** 216–21.—**Pugh, W. S.** Urinary obstruction. Surg. Clin. N. America, 1928, **8:** 383–406. ——— Obstruction of the lower urinary tract. Med. J. & Rec., 1929, **129:** 301; 369.—**Randall, A., & Hughes, P. B.** Obstructive uropathies. Surg. Gyn. Obst., 1939, **68:** 546–8.—**Riba, L. W., & Schmidlapp, C. J.** Surgical treatment of urinary obstruction in Army general hospitals. Ibid., 1945, **80:** 368–72.—**Ross, W. J., jr.** Urinary obstruction. Northwest M., 1937, **36:** 129–32. ——— Mild urinary tract obstruction. Tr. West. Br. Soc. Am. Urol. Ass., 1938, **7:** 135–9.—**Russ, F. H.** Urinary obstruction and gastro-intestinal symptoms; report of 2 cases. Proc. Mayo Clin., 1942, **17:** 257–60.—**Saxl, N. T.** Congenital obstruction of the urinary tract. Ann. Int. M., 1930–31, **4:** 1006–13.—**Simon, O.** Pyelographische Befunde bei Verschlussanurie. Röntgenpraxis, 1939, **11:** 170–4.—**Sinkoe, S. J.** Obstructive lesions of the urinary tract. J. M. Ass. Georgia, 1937, **26:** 219–22.—**Temkin, I. S.** [Subrenal anuria] Urologia, Moskva, 1937, **14:** 32–45.—**Thompson, A. R.** The association of chronic Bright's disease with obstruction in the lower urinary tract. Guy's Hosp. Rep., Lond., 1927, **77:** 464–9.—**Timberlake, G.** Urinary obstruction; recognition of its cause and relief. J. Florida M. Ass., 1932, **19:** 153–8.—**Tzschirntsch.** Komplette Harnsperre beim Weibe hervorgerufen durch eine kindskopfgrosse rechtsseitige Dermoidovarialcyste. Zschr. Urol., 1944, **38:** 390.—**Walters. W.** Obstructions of the upper portion of the urinary tract with presentation of cases. Proc. Mayo Clin., 1928, **3:** 242–4. Also Surg. Clin. N. America, 1929, **9:** 167–89.—**Weber, E., & Selbach, H.** Ueber die Verlaufsphasen der experimentellen (subrenalen) Anurie. Zschr. ges. exp. Med., 1937–38, **102:** 484–93.—**Wolbarst, A. L.** Urinary obstruction. Med. Rec., N. Y., 1936, **144:** 460–2.—**Yanagihara, H.** Nyōhei no sū rei [Examples of stoppage of urine] Acta derm., Kyoto, 1938, **32:** 211.

—— Obstruction, calculous.

See also **Nephrolithiasis.**

Alapin, H. I. Zur Frage der kalkulösen Anurie. Zschr. Urol., 1931, **25:** 744–53.—**Alesio, C.** Anuria calcolosa in rene unico-solitario. Gior. med. Alto Adige, 1929, 1: No. 8, 69–78.—**Ali Eşref Gürsel** [Case of calculous anuria] Bull. Soc. turque méd., 1940, **6:** 276–9.—**Armo, S. M.** Anuria calcolosa protratta. Gazz. med. nap., 1923, **6:** 388–90.—**Bate, J.** Calculus anuria. Kentucky M. J., 1927, **25:** 211–9.—**Baynard, E. C., & Ravenel, J. J.** Calculus anuria. J. Am. M. Ass., 1922, **79:** 1136.—**Benedetti-Valentini, S.** Su di un caso di anuria per incuneamento di calcolo nell'uretere sinistro in soggetto portatore di rene unico congenito. Policlinico, 1948, **55:** sez. prat., 668–73.—**Bertone, C.** Anuria calcolosa in nefrectomizzato. Riforma med., 1946, **60:** 496–8.—**Boysen, J.** Anuria calculosa bei Schwangerschaft. Arch. klin. Chir., 1931, **164:** 586–94.—**Brandt, H.** Anurie durch Steineinklemmung bei angeborener Einzelniere. Zschr. Urol., 1948, **41:** 72–8.—**Cahill, G. F.** The medical and surgical treatment of calculous anuria. J. Am. M. Ass., 1935, **104:** 1306–9. ——— & **Gile, H. H.** Calculous anuria. Ibid., 1928, **91:** 1970–4.—**Caulk, J. R.** Calculus anuria. Atlantic M. J., 1923–24, **27:** 401–5.—**Cook, G. T.** A case of calculous anuria. Lancet, Lond., 1933, **1:** 1120–2.—**Davis, L.** Calculous anuria, with report of two cases. Surg. Gyn. Obst., 1914, **18:** 676–83.—**Dax, L.** Deux cas d'anurie calculeuse par calculs invisibles aux rayons x. J. méd. Bordeaux, 1931, **108:** 187–9.—**Eisendrath, D. N.** Calculous anuria; report of case. J. Am. M. Ass., 1922, **79:** 2057–9.—**Frank, L.** Anuria due to unilateral calculous obstruction. Surg. Gyn. Obst., 1915, **20:** 526–36.—**Gottlieb, J.** Anurie infolge Steinverschlusses bei kongenital solitär angelegter Niere. Zschr. Urol., 1928, **22:** 97–102.—**Guidoni.** Colique néphrétique et anurie calculeuse; traitement par infiltrations anesthésiques du pédicule rénal. Marseille méd., 1939, **76:** pt 2, 502–5.—**Huzimaki, S.** Kanton kesseki ni yoru nyō-hei [Anuria due to incarcerated calculi] Syuzyutu, 1949, **3:** 37–41.—**Ijiri, T., & Akita, G.** Ueber zwei Fälle von Anuria calculosa nach Nephrektomie wegen Tuberkulose. Acta derm., Kyoto, 1929, 14: 268.—**Inclan Bolando, J. L., & Vara López, R.** Sobre dos casos de anuria calculosa. Urol. clin. Hosp. provinc., Madr., 1928–30, **2:** 235–7.—**Jeanbrau, Bonnet** [et al.] A propos de trois cas d'anurie calculeuse traités par le cathétérisme urétéral. Bull. Soc. sc. méd. biol. Montpellier, 1923–24, **5:** 274–80.—**Joly, J. S.** Anuria as a complication of lithiasis. Tr. Am. Ass. Genitourin. Surgeons, 1934, **27:** 209–39.—**König.** Ueber totale Steinanurie. Zbl. Chir., 1924, **51:** 2255.—**Lownes, J. B.** Anuria calculosa; cistitis alcalina incrustante. Intercamb. urol., Madr., 1946, **1:** No. 24, 3.—**Melen, D. R.** Calculous anuria. J. Am. M. Ass., 1924, **82:** 520–6.—**Montenegro, A.** Anuria calculosa en período tóxico. Sem. méd., B. Air., 1922, **29:** 817.—**Paillard, H., & Idoux, G.** La thérapeutique médicale de l'anurie calculeuse. Clinique, Par., 1927, **22:** 123–5.—**Papin, E.** Anurie calculeuse. J. méd. fr., 1923, **12:** 451–3.—**Parin, B. V.** [Calculous anuria] Vest. khir., 1933, **30:** 101–11.—**Perinelli, F.** Un caso di anuria calcolosa intermittente con una crisi durata 11 giorni. Riv. med., 1934, **42:** 165–7.—**Pugh, W. S.** Unilateral renal block by calculus. Surg. Clin. N. America, 1931, **11:** 499–502.—**Richer, V.** Interventions multiples pour anurie calculeuse; guérison. Lyon méd., 1933, **152:** 651–3.—**Rochet, V.** Traitement de l'anurie calculeuse. Lyon chir., 1920, **16:** 375.—**Rosenfeld, G.** Zur Harnverhaltung bei Nierensteineinklemmung. Med. Klin., Berl., 1927, **23:** 594.—**Stohr, R.** Anurie durch beiderseitigen Steinverschluss des Nierenbeckens bei einem 16 Monate alten Kinde. Mschr. Kinderh., 1928, **40:** 124–9.—**Weyl, R.** Un cas de diagnostic différentiel d'anurie chez un lithiasique. Clinique, Par., 1932, **27:** 283.—**White, H. P. W.** Calculous anuria. Lancet, Lond., 1929, **1:** 918.

—— Oliguria.

See under subdivision Frequency.

—— Pharmacology.

See also **Diuresis; Diuretic.**

Lintgen, C. A comparative study of the efficacy of certain drugs in promoting evacuation of the female bladder following gynecologic operations. Am. J. Obst., 1948, **56**: 1112–8.—**Richer, V., & Cier, J. F.** Les effets de l'acétylcholine et de l'adrénaline sur le detrusor urinae et sur le col vésical chez le chien. C. rend. Soc. biol., 1948, **142**: 527.—**Winter, I. C.** The pharmacology of micturition; the effect of drugs on the bladder and urethra with autonomic supply intact. J. Urol., Balt., 1941, **46**: 952–80.

—— Polyuria.

See also **Diabetes insipidus; Diabetes mellitus; Water metabolism,** Disorder.

SANDEL, G. *Zwei Fälle von übermässiger Harnabsonderung. 26p. 8° Tüb., 1842.

Aussilloux, Méténier & Blaquière. A propos de deux cas de polyurie simple post-traumatique. Arch. Soc. sc. méd. biol. Montpellier, 1939, **20**: 28–33.—**Bergman, A.** Acción del cloruro de sodio y del sulfato de magnesia sobre la poliuria experimental. Prensa méd. argent., 1932–33, **19**: 132–43.—**Bloom, F.** Differential diagnosis and treatment of polyuria in dogs. North Am. Vet., 1942, **23**: 727–32.—**Broers, H.** Experimental polyuria. Acta brevia neerl., 1932, **2**: 2.—**Cabrini, S.** Patogenesi di un caso di poliuria. Pensiero med., 1935, **24**: 267–81.—**Chillà, A.** Poliuria da nervosi neurovegetativa. Fol. med., Nap., 1932, **18**: 1455–70.—**Courmont, P.** Anurie et polyurie, physiologie pathologique. Province méd., Par., 1908, **19**: 39–44.—**Dalous, E., & Fabre, J.** Les polyuries. Bruxelles méd., 1938–39, **19**: 1092.—**Decourt, J., Sassier, R., & Bastin, R.** Sur une forme polyurique des troubles liés au déséquilibre alimentaire. Bull. Soc. méd. hôp. Paris, 1941, **57**: 811–4.—**Elfving, A. R.** Welche sind die Ursachen der nächtlichen Polyurie der Prostatiker? Acta chir. scand., 1932, **71**: 212–7.—**Ellis, H. L.** Polyuria of unknown origin. Proc. R. Soc. M., Lond., 1938–39, **32**: Sect. Stud. Dis. Chil., 1169.—**Ferrannini, A.** La idruria come significato patogenetico pronostico. Riforma med., 1923, **39**: 684.—**Fiessinger, N.** Polyuries. In his Diagn. prat., Par., 1948, 269–77.—**Giraud, G., Bert, J. M., & Desmonts, T.** Oedèmes et polyuries; syndromes cliniques actuels en rapport avec le déséquilibre alimentaire. Montpellier méd., 1942, **21**:–22: 278–81.—**Janssen, S., & Schmidt, J.** Die Carotissinuspolyurie. Arch. exp. Path., Berl., 1933, **171**: 672–90.—**Lazarus, J. A., & Marks, M. S.** The significance of hyposthenuria in prostatism, with special reference to nocturia; a clinical study. N. York State J. M., 1945, **45**: 1218–21.—**Lévy-Darras.** Considérations sur l'hydrurie expérimentale. Vie méd., Par., 1925, **6**: 135–7.—**Lobo Onell, C.** Consideraciones sobre poliuria. Rev. As. méd. argent., 1924, **37**: Soc. urol., 220–8.—**Magee, W. S.** Polyuria. In: Cyclop. Med. (Piersol-Bortz) Phila., 1940, **12**: 14–6.—**Minniti, G.** Su un caso anomalo di poliuria. Arch. ostet. gin., 1933, 2. ser., **20**: 683–6.—**Molen, H. J. v. d.** [Case of polyuria] Mschr. kindergeneesk., 1935, **4**: 280–4.—**Rojas, C. M.** A propósito de una poliuria en un niño. Med. latina, Habana, 1948, **7**: 219.—**Sasa, R.** Tanyō ni tuite. Igaku, 1949, **7**: 33–6.—**Schaffler, J.** [Treatment of polyuria with coffotheosan] Orv. hetil., 1928, **72**: 708.—**Sharpey-Schäfer, E.** Experimental polyuria. Brit. M. J., 1925, **2**: 185–7. Also Med. Biol. J., Moskva, 1925, **1**: No. 4, 3–21.—**Vančura, A.** [Significance of polyuria in hypertrophy of the prostate] Cas. lék. česk., 1937, **76**: 1290–2.—**Verney, E. B.** Polyuria. Lancet, Lond., 1929, **1**: 539; passim.—**Viñas Carré, A.** Poliurias. Medicamenta, Madr., 1949, **7**: pt 2, 95–100.

—— Pressure [incl. disorders]

See also subdivision Measurement.

TRIES, H. *Bestimmung des Harnblasen- und Sphinkterschliessungsdruckes zur Beurteilung des Detrusor- und Sphinktertonus bei Normalen im Vergleich zu 2 Fällen von Enuresis nocturna [Frankfurt a. M.] 20p. 21cm. Gelnhausen, 1941.

Alvarez Rivas, E. Estudio cistométrico de la influencia de la prensa abdominal en la micción normal y la de los retencionistas. Rev. clín. españ., 1948, **29**: 237–40.—**Ballenger, E. G., & McDonald, H. P.** Voiding distance decrease an important early symptom of prostatic obstruction. South. M. J., 1932, **25**: 863. ——— **& Elder, O. F.** The menace of a weak urinary stream in elderly men. J. M. Ass. Georgia, 1934, **23**: 432.—**De Gironcoli, F.** L'ipotonia dello sfintere vescicale interno e la sua importanza diagnostica. Urologia, Treviso, 1946, **13**: 50–3.—**Kaneue, H.** Bōkō naiatu sokutei tiken hoi; nenrei narabi ni seibetu ni yoru soi [Internal pressure of bladder; variation according to age and sex] Igaku & seibutugaku, 1946, **9**: 143–5.—**Machado Macedo.** L'atonie vésicale chez la puerpère; traitement. Arq. obst. gin., 1936–37, **2**: 664–9.—**Mellanby, J., & Pratt, C. L. G.** The reactions of the urinary bladder of the cat under conditions of constant pressure. Proc. R. Soc., Lond., ser. B, 1939, **127**: 307–22.—**Muschat, M., & Edelken, L.** Contour of the neurogenic bladder; hypotonic type. Urol. Cut. Rev., 1940, **44**: 273.—**Peretti, G.** Ricerche sul tono posturale della vescica urinaria; effetti immediati della soppressione della innervazione estrinseca. Boll. Soc. ital. biol. sper., 1947, **23**: 89.—**Trabucco, A., & Bogado Sabelli, R.** Síndrome de hipertonía vesical. Rev. argent. urol., 1948, **17**: 677–88.

—— Psychoanalytic aspect.

Christoffel, H. Harntriebäusserungen, insbesondere Enuresis, Urophilie und Uropolemie. Internat. Zschr. Psychoanal., Wien, 1935, **21**: 374–88. ——— Urophilie und Uropolemie bei Rabelais und Swift. Praxis, Bern, 1942, **31**: 516.—**London, L. S., & Caprio, F. S.** Urolagnia. In their Sex. Deviat., Wash., 1950, 576–87.—**Menninger, K. A.** Some observations on the psychological factors in urination and genito-urinary afflictions. Psychoanal. Rev., 1941, **28**: 117–29.—**Plokker, J. H.** Psychagogiek bij een lijder aan een sexuele perversie. Ned. tschr. geneesk., 1947, **91**: 3184–91.—**Van Rampaey.** Comment Gargantua paya sa bienvenue aux Parisiens [caricature] In: Mémento thér., Par., 1946, 6.

—— Radiography.

See also **Bladder,** Examination, roentgenographic; **Urography.**

EDLING, N. P. G. *Urethrocystography in the male, with special regard to micturition [Karolinska inst.] 144p. 25cm. Stockh., 1945.

Forms Suppl. 58, Acta radiol., Stockh.

Dillon, J. R. Excretory cystograms after voiding. California M., 1947, **67**: 17–22.—**Muellner, S. R., & Fleischner, F. G.** Normal and abnormal micturition; a study of bladder behavior by means of the fluoroscope. J. Urol., Balt., 1949, **61**: 233–43.—**Raspail, F. V.** Etudes physiologiques sur l'émission des urines. Rcv. compl. sc. appl. méd., Par., 1856–57, **3**: 260; passim.—**Stobbaerts, F.** L'urétrocystographie mictionnelle à double contraste. P. verb. Congr. fr. urol., 1946, 40. Congr., 264–7, 2 pl.

—— Reflux [urethro-vesical and vesico-ureteral]

GRIESBECK, J. *Ein Beitrag zur Frage des vesico-urethralen Refluxes nach Ureterimplantationen [Berlin] 20p. 8° Charlottenb., 1934.

HAZERA, J. A. G. W. *Contribution à l'étude du reflux uréthrovésiculaire. 58p. 25cm. Bord., 1939.

Cace, M. Sul reflusso vescico-ureterale. Policlinico, 1939, **46**: Sez. chir., 53–63.—**Duvergey, H.** Sur deux cas de reflux urétro-vésiculo-déférentiel. J. méd. Bordeaux, 1939, **116**: pt 2, 355–60.—**Henningsen, O.** Klinisch-experimentelle Untersuchungen über die Möglichkeiten eines Blasen-Harnleiterrückflusses. Zschr. Urol., 1937, **31**: 505–23.—**Itō, K.** Hansyasei munyō wo tyōsin to suru nyōro kinō ni kan-suru zikken-teki kenkyū; yunyōkan gyaku-ryū gensyōno ikkei narabi ni sono hassei insi ni tuite [Experimental studies in the function of the ureters in ischuria] Acta derm., Kyoto, 1942. **39**: 387–417.—**Lepoutre.** Le reflux vésico-urétéral. J. sc. méd. Lille, 1926, **44**: pt 2, 291–6.—**Papin, E.** Le reflux vésico-urétéral chez les prostatiques. Bull. Soc. fr. urol., 1929, **8**: 328–34. Also Arch. mal. reins, 1929–30, **4**: 617–23, 6 pl.—**Pérez Castro, E.** Concepto actual del reflujo vésicoureteral. An. Casa sal. Valdecilla, 1946, **9**: 429–46. Also Arch. españ. urol., 1946–47, **3**: 122–44.—**Perves, J., & Duvergey, H.** Du reflux urétro-vésiculo-déférentiel. J. urol. méd., Par., 1939, **48**: 97–113.—**Prather, G. C.** Vesico-ureteral reflux; report of case cured by operation. J. Urol., Balt., 1944, **52**: 437–47.—**Sousa, A. de, & Caldeira, F.** A quimografia no diagnóstico do refluxo vésico-uretérico. Bol. clín. hosp. civ. Lisboa, 1948, **12**: 242–7, 5 pl.—**Souza, E. de, & Paz, C. da,** jr. Dois casos de refluxo ureteral. Hora med., Rio, 1939, **3**: No. 4, 35–48.—**Wethall, A. G.** A unique case of longstanding pyelectasis and ureterectasis with vesico-ureteral reflux. Urol. Cut. Rev., 1941, **45**: 304.

—— Residuum.

See also subdivision Retention.

Busson & Michel. Détermination du volume du résidu chez les prostatiques par la méthode d'opacification au ténébryl. J. urol. méd., Par., 1941, **49**: 345–8.—**Chwalla, R.** Zur Aetiologie des Restharns. Wien. klin. Wschr., 1934, **47**: 1545–7.—**Constantinesco, N. N., & Picarda, J. A.** Bas-fond et résidu vésical chez les prostatiques. J. urol. méd., Par., 1930, **30**: 545–61.—**Dossot, R.** Variations du résidu vésical; le résidu provoqué. Ibid., 1943, **51**: 100–2.—**Henningsen, O.** Nierenschädigung bei Prostatahypertrophie ohne Restharn in der Blase. Zschr. Urol., 1936, **30**: 772–8.—**Kirwin, T. J., & Hawes, G. A.** The diagnostic value of residual urine estimation. J. Urol., Balt., 1939, **41**: 413–30.—**Miller, A. G.** Further note on the treatment of residual urine in connection with enlarged prostate. Edinburgh M. J., 1911, n. ser., **6**: 25. ——— Is enlarged prostate the cause of residual urine? Practitioner, Lond., 1913, **91**: 703.—**Newman, D.** Residual urine in the senile bladder, with special reference to the conduct of the case, so as to postpone or avoid the use of the catheter. Glasgow M. J., 1917, **87**: 1; passim.—**Parker, D.** Physiologic changes in presence of residual urine. Northwest M., 1948, **47**: 346–9.

—— Retention.

See also subdivision Obstruction.

AMUSSAT, J. Z. Amussat's lectures on retention of urine. 103p. 23cm. Phila., 1840.

Antelo, M. Retención de orina. Prensa méd. argent., 1946, **33**: 753–9.—**Arango Mejía, M. S.** Retención de orina. Bol. clín., Medellín, 1941, **7**: 88–90.—**Arnesen, A.** [Demonstration of cases of retention of urine] Norsk. mag. laegevid., 1937, **98**: Forh. kir. foren. Oslo, 75–8.—**Chien, J. N.** Nyōhei wo syuso to seru sikkan no rinsyō rei [Clinical cases of diseases with ischuria as one of the symptoms] Acta derm., Kyoto, 1943, **42**: 66.—**Cunningham, J. H.** Urinary retention, its significance and treatment. Tr. N. England Surg. Soc., 1924, **7**: 202–10.—**Dhacka, J. A.** Retention of urine. Med. Surg. Suggestions, Madras, 1941, **10**: 329–37.—**Diner, M.** Retención de orina, apuntes de una conferencia del Prof. B. Maraini. Rev. Círc. méd. argent., 1930, **30**: 1516–22.—**Fossen** [Retentio urinae] Geneesk. tschr. Ned. Indië, 1940, **80**: 1862.—**Fränkel, W. K.** Ueber Harnverhaltung. Mschr. Harnkr. sex. Hyg., 1928–29, **2**: 275–83.—**Frisch, B. v.** Die Harnverhaltung. Wien. klin. Wschr., 1944, **57**: 66.—**Grandjean, A.** Les rétentions d'urine. Médecine, Par., 1938, **19**: No. 18, 3–27.—**Grimaldi, F. E.** Los grandes síndromes urinarios; retención de orina. Día méd., B. Air., 1933–34, **6**: 317.—**Guerrant, E. O.** Urinary retention. Kentucky M. J., 1938, **36**: 21–4.—**Heras Montero, M.** La retención de orina. Sem. méd. españ., 1943, **6**: 142–7.—**Joly, J. S.** Retention of urine. Clin. J., Lond., 1932, **61**: 181–4.—**Lichtenstern, R., & Marburg, O.** Ueber eine besondere Form der Harnretention und deren Behandlung. Wien. klin. Wschr., 1932, **45**: 778–80.—**Loughnane, F. M.** Retention of urine. Brit. M. J., 1935, **1**: 1115–8.—**McCurrich, H. J.** Retention of urine. Ibid., 1929, **1**: 683; 1930, **1**: 192.—**Meltzer, M.** Estasis urinaria, su diagnóstico temprano y tratamiento. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 1035.—**Mena Rincón, R.** Retención de orina. Med. & cir. auxil., Madr., 1949, **10**: 26–8.—**Michon, E.** Les rétentions d'urine. In: Urol. gyn. méd., Par., 2. éd., 1940, 7–16.—**Narahara, K.** Einige Fälle von Harnretention. Jap. J. Derm. Urol., 1934, **36**: Suppl., 108.—**Navas, J.** Problemas que plantean las retenciones de orina. Intercamb. urol., Madr., 1949, mar., 7.—**Posner, C.** Ischurie. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1909, **7**: 482–5.—**Purcell, F. M.** A case of retention of urine. Lancet, Lond., 1933, **2**: 1260.—**Riches, E. W.** Retention of urine. Brit. M. J., 1949, **1**: 887–90.—**Ritenzione** vescicale. Conf. prat. urol., Milano, 1922, **1**: 166–75.—**Sacchi, M.** La ritenzione di urina. Gazz. med. ital., 1938, **97**: 240–7.—**Sawada, M.** Nyōhei no 1 rei [Case of ischuria] Acta derm., Kyoto, 1941, **38**: 206.—**Smith, O.** Retention of urine and its relief. Tr. Tristate M. Ass. Carolinas & Virginia, 1908, **10**: 349–64.—**Surra Canard, R. de.** Retención de orina. In: Afecc. obstr. uretra (Castaño, E.) B. Air., 1943, 131–41.—**Swan, R. H. J.** Suppression and retention of urine. Postgrad. M. J., Lond., 1926–27, **2**: 129–33.—**Tatum, W. B.** Retention of urine. Med. Times, N. Y., 1931, **59**: 321–3.—**Watkins, K. H.** Retention of urine. Clin. J., Lond., 1937, **66**: 452–6.

—— Retention, acute.

Abraham, J. J. Acute retention of urine and its treatment. Practitioner, Lond., 1933, **130**: 325–31.—**Bandler, C. G., & Milbert, A. H.** Acute retention of urine. Am. J. Surg., 1937, **36**: 162–71.—**Burgot, P.** Rétention aiguë d'urine; signes, diagnostic et indications thérapeutiques. Inter Exter, Par., 1947, **1**: No. 7, 3.—**Butts, J. W.** The treatment of acute retention of urine in the male. J. Arkansas M. Soc., 1928–29, **25**: 115–7.—**Castaño, E., Grinberg, J., & Wilber, S.** Sobre un caso de retención aguda de orina a causa poco común. Sem. méd., B. Air., 1936, **43**: pt 2, 1800.—**Dash, S.** A case of acute retention of urine. Antiseptic, Madras, 1945, **42**: 453.—**Desai, D. B.** Acute retention of urine and its treatment. Ind. M. Rec., 1945, **65**: 116–9.—**Dukhanov, A. J.** [Case reports of acute retention of urine in girls] Urologia, Moskva, 1937, **14**: 98.—**Fergusson, J. D.** Acute retention. Practitioner, Lond., 1949, **163**: 383–5.—**Greenberg, A. L.** Acute urinary retention in female. Urol. Cut. Rev., 1938, **42**: 735.—**Hryntschak, T.** [Methods of intervention in cases of acute retention of urine] Cluj. med., 1929, **10**: 54–6.—**Kaliniewicz, S.** [Treatment in cases of sudden complete retention of urine] Polska gaz. lek., 1929, **8**: 435–9.—**Laidley, J. W. S.** Acute retention of urine. Yearb. R. Prince Alfred Hosp., Sydney, 1933, 142–5.—**Lobb, R. A.** Acute urinary retention. Bull. Toronto East M. Ass., 1947–48, **12**: No. 11 [8–14]—**Margolin, E. S.** Acute urinary retention from the standpoint of a pathologist. Urol. Cut. Rev., 1941, **45**: 654–7.—**Maron, V.** Retenção aguda de urina provocada por dois fragmentos ósseos desgarrados de um fóco recente de osteíte do ramo esquerdo do pubis e encravados na uretra posterior. An. Soc. med. cir. Itabuna (1942–43) 1944, 192–200, 3 pl.—**Power, S.** Treatment of acute urinary retention. Med. Press & Circ., Lond., 1946, **215**: 36–8. Also Mod. Treat. Yearb., Lond., 1946, 256–62.—**Rathbun, N. P.** Acute retention of urine. Long Island M. J., 1926, **20**: 242.—**Salleras, J.** Retención aguda de orina por cálculo ureteral. Rev. As. méd. argent., 1924, **37**: No. 231, Soc. argent. urol., 17–9. Also Sem. méd., B. Air., 1924, **31**: pt 2, 1237.—**Sintomi** e cura di malattie mediche e chirurgiche d'urgenza; ritenzione acuta di orina. Progr. ter., Milano, 1906, 204.—**Taylor, C. J. G.** Acute retention of urine; an unusual coincidence. Brit. M. J., 1934, **2**: 632.—**Vermooten, V.** The treatment of acute retention of urine. S. Afr. M. J., 1936, **10**: 209–12.—**Ward, R. O.** Acute retention of urine. Brit. M. J., 1939, **1**: 121–3. Also in Treatm. Gen. Pract., 1940, **4**: 239–46.—**Waugh, J. R.** Acute retention of urine. Hosp. News, Wash., 1934, **1**: No. 11, 1–11.—**Werneck, C.** Retenção aguda de urina. Rev. brasil. med., 1946, **3**: 38–41.—**Witt, P. A.** Hospital management of acute urinary retention due to vesical neck obstruction. J. Am. Osteopath. Ass., 1945–46, **45**: 165–74.

—— Retention, chronic.

Berg, G. Chronische, inkomplette Retention bei infizierter Blase und beständigem Abgang von Konkrementen und Hämaturie. Münch. med. Wschr., 1911, **58**: 2085.—**Bodon, G., & Melly, B.** [Alterations in the elastic fibers of the bladder in chronic urinary retention] Orv. hetil., 1936, **80**: 941; 969.—**Butignot.** Rétention d'urine chez un vieillard de 82 ans; ponction de la vessie, rétablissement du cours de l'urine après environ un mois et demi; guérison du malade. J. méd. Toulouse, 1862, 4. sér., **1**: 206–10.—**Cibert, J., & Roux, M.** Rétention vésicale chronique incomplète avec distension. J. urol. méd., Par., 1941, **49**: 437–45.—**Darget, R., & Labat, P.** Deux cas d'ablation du col de la vessie pour rétention chronique. Bull. Soc. fr. urol., 1929, **8**: 368–72.—**Farkas, I.** [Chronic urinary retention treated by transurethral prostate operation] Gyógyászat, 1935, **75**: 179; passim.—**Riches, E. W.** The effects of rapid decompression of the bladder in chronic retention. Proc. R. Soc. M., Lond., 1943–44, **37**: 226. ——— **Hey, W.** [et al.] Discussion on chronic retention of urine. Ibid., 1949, **42**: 987–1004, illust.—**Ward, R. O.** Chronic retention of urine. In: Treatm. Gen. Pract., 1940, **4**: 247–52.—**Wells, C.** Studies in chronic retention. Proc. R. Soc. M., Lond., 1950, **43**: 43–52, illust.

—— Retention: Diagnosis.

Forssmann, W. Harnverhaltung und Harnsperre. Med. Klin., Berl., 1936, **32**: 1262–4.—**Fuchs, F.** Ueber Ischuria paradoxa. Münch. med. Wschr., 1931, **78**: 307.—**Goldstein, A. E.** The diagnosis and treatment of urinary stasis. West Virginia M. J., 1926, **21**: 505–10.—**Mercier, O.** A propos du diagnostic de la rétention d'urine. Union méd. Canada, 1929, **58**: 30–7.—**Negrini, B.** A urografia nas constipações urinárias. An. paul. med. cir., 1945, **49**: 395.—**Paschkis, R.** Diagnostik und Therapie der Harnverhaltung. Wien. klin. Wschr., 1938, **51**: 311.—**Richer, V.** L'épreuve de la pilocarpine dans le diagnostic et le traitement des rétentions d'urine sans obstacle mécanique. Bull. Soc. fr. urol., 1930, 131.—**Stewart, W. H.** Intermittent vesical retention; a case report. Am. J. Roentg., 1926, n. ser., **16**: 168.—**Velarde, M. T.** Diagnóstico diferencial entre anuria y retención urinaria. Medicina, Méx., 1944, **24**: 121–3.

—— Retention: Etiology and pathogenesis.

BERNIGAUD, G. *Du rôle de la barre interurétérale dans les rétentions vésicales. 73p. 8°. Lyon, 1937.

Balderi, G. Ritenzione vescicale incompleta cronica settica con distensione, per rarissimo vizio di conformazione del sistema urinario destro. Arch. ital. urol., 1937, **14**: 86–96.—**Boeminghaus, H.** Senkungsabszess und Harnverhaltung. Zschr. Urol., 1928, **22**: 194–6.—**Cavailher, H.** Rétention d'origine cervicale après rupture traumatique de l'urètre membraneux. J. urol. méd., Par., 1944–45, **52**: 287–9.—**Chesterman, J. T.** Retention of urine, due to hyperplasia of the seminal vesicles; a report of two cases. Brit. J. Urol., 1942, **14**: 174–7.—**Doyle, P. J.** Urinary retention; outline of causes and treatment. N. England J. M., 1933, **209**: 351–8.—**Dragonas, E. G.** Etude sur le mécanisme de quelques cas de rétention d'urine. J. urol. méd., Par., 1929, **28**: 341–7.—**Emmett, J. L.** Urinary retention from imbalance of detrusor and vesical neck; treatment by transurethral resection. J. Urol., Balt., 1940, **43**: 692–704.—**Gioja, E.** Sopra un caso di ritenzione vescicale permanente completa senza ostacolo meccanico, guarita mediante cistotomia e divulsione digitale del collo. Boll. Soc. med. chir., Pavia, 1931, **45**: 231–53.—**Gripekoven, A.** Causes étiologiques de la rétention d'urine. Ann. Inst. chir. Bruxelles, 1926, **27**: 161–76.—**Herman, L., & Greene, L. B.** Nonobstructive retention of urine. Pennsylvania M. J., 1933, **36**: 319–22.—**Krecke, A.** Ueber Bedeutung und Behandlung der Harnverhaltung. Münch. med. Wschr., 1933, **80**: 1204–7.—**Luys, G.** Le diagnostic étiologique de la rétention d'urine doit être indiscutablement et irrévocablement établi avant toute décision opératoire. Bull. méd., Par., 1949, **63**: 385.—**Macedo, M.** Duas causas pouco frequentes de retenção vesical. Med. contemp., Lisb., 1930, 3. ser., **48**: 141–4.—**Maisonnet & Delaye.** A propos de quelques causes de rétention d'urine dans le jeune âge et chez l'adulte. J. méd. chir., Par., 1935, **106**: 320–6.—**Mitchell, J. M.** Retention of urine caused by faecal impaction. Brit. M. J., 1929, **2**: 1198.—**Nitch, C. A. R.** The causes and treatment of retention of urine. S. Thomas Hosp. Gaz., Lond., 1935, **35**: 184–7.—**Nitschke, P. H.** Causes and treatment of urinary retention. Northwest M., 1936, **35**: 95–100.—**Ortiz, A. F., & Gazzolo, J. J.** Retenciones vesicales de orina de origen no prostático. Rev. As. méd. argent., 1928, **41**: 133–58. Also Rev. méd. lat. amer., B. Air., 1927, **12**: 436–51.—**Palit, A. N.** Obstructive retention of urine. Antiseptic, Madras, 1938, **35**: 966–8.—**Peláez Redondo, M.** Algunos casos in-

teresantes de retención completa de orina. Medicamenta, Madr., 1949, 7: pt 2, 373.—**Perrucci, A.** Iscuria e calcolosi. Bull. sc. med., Bologna, 1923, 10. ser., 1: 157–67.—**Rubritius, H.** Ueber die Pathogenese der Harnverhaltungen prostatischer und nicht prostatischer Natur. Wien. klin. Wschr., 1926, 39: 1168–70. ——— Harnverhaltung durch Blasenhalsklappe. Med. Klin., Berl., 1940, 36: 1265. Also Wien. med. Wschr., 1940, 90: 985. Also Wien. klin. Wschr., 1941, 54: 700.—**Sánchez de Rivera, D.** Las retenciones de orina en los viejos que no son por hipertrofia de próstata. Clín. laborat., Zaragoza, 1930, 15: 276–9.—**Sigematu, H.** Etude expérimentale de la rétention d'urine. J. urol. méd., Par., 1928, 25: 16–21.—**Trabucco, A.** Pathogénie de la rétention urinaire. Ibid., 1936, 41: 307–22.—**Unusual** cause of urinary stasis with infection. South. M. & S., 1937, 99: 600–2.—**Urinary** retention; etiology and pathology. California West. M., 1936, 45: 498–501.—**Willan, R. J.** The common causes of retention of urine and their treatment. Univ. Durham Coll. M. Gaz., 1926–27, 26: 173–5.

—— Retention: Forensic aspect.

Frizzera, A. Perizia medico-legale su un caso di retenzione d'orina. Boll. med. trent., 1933, 48: 123; passim.

—— Retention, neurogenic.

See also subdivision Disorder (neurogenic) also under names of diseases of the nervous system as **Paraplegia; Tabes,** etc.

Aschieri, G. Sull'uso della pilocarpina nella ritenzione urinaria di origine nervosa e psichica. Note psichiat., Pesaro, 1937, 66: 63–86.—**Bernardi, R.** Obstrucción urinaria de origen neuropático. Día méd., B. Air., 1941, 13: 1136–9.—**Bolgert & Viala, P. J.** Action favorable de la génésérine sur les rétentions d'urine d'origine nerveuse. Progr. méd., Par., 1944, 72: 147.—**Cassuto, A., & Pollitzer, R.** Nuova cura delle ritenzioni urinarie da malattie del sistema nervoso centrale e periferico. Progr. ter., Milano, 1949, 34: 166–8.—**Cibert, J., & Cavailher, H.** Traitement chirurgical de la rétention vésicale chronique chez les tahétiques. Lyon méd., 1941, 166: 997; 1021.—**Dean, J. S.** The effect of pilocarpine on neurogenic urinary retention. Bull. Neur. Inst. N. York, 1937, 6: 154–62.—**Grey, J. M.** Neurocirurgia da bexiga; a propósito das cistalgias rebeldes e de certas retenções de causa nervosa. Arch. brasil. med., 1947, 37: 69–80.—**Huc.** A propos de deux résections du nerf hypogastrique. J. urol. méd., Par., 1943, 51: 124.—**La Peña, A. de, & La Peña, E. de.** Hemorragia vesical masiva por retención completa de orina neurógena. Clín. hisp., 1946–47, 3: 49.—**Marik, M.** Idegeredetű vizeletrekedés műtéte. Orv. hetil., 1942, 86: 187. Also Zbl. Chir., 1943, 70: 1154–6.—**Scott, M.** Retention of urine of neurogenic origin; relief by subcutaneous injection of pilocarpine hydrochloride. J. Urol., Balt., 1942, 47: 582–4.—**Stolze, M.** Eine seit zehn Jahren bestehende Harnretention auf Grund einer Meningitis adhaesiva circumscripta. Zschr. Urol., 1936, 30: 747–50.—**Verrière, P.** Rétention complète depuis 18 mois; guérison après section des nerfs hypogastriques et résection partielle des ganglions hypogastriques. J. urol. méd., Par., 1944, 52: 23.

—— Retention: Physiopathology.

SCHULTE, H. *Ueber die Vorgänge in der Niere bei akuten Stauungszuständen in den oberen Harnwegen. 17p. 23½cm. Marb., 1936.

Cerulli, G., & Fischler, F. Il muco dell'urina nei ritenzionisti cronici. Gazz. internaz. med. chir., 1936, 46: 466–75.—**Cilento, M.** Eosinofilia negli stati di ritenzione d'urina. Arch. ital. urol., 1931–32, 8: 461–98.—**D'Alfonso, F.** Ricerche sperimentali sulla patogenesi della eosinofilia nelle ritenzioni urinarie. Ibid., 1935, 12: 665–94.—**Ferrándiz Senante.** Los enfermos que no orinan; las retenciones; fisiopatología y diagnóstico. Notas méd., Lérida, 1948–49, 3: No. 29, 7–15.—**Frey.** Ueber Rückresorption aus den abführenden Harnwegen bei Abflussstörung. Arch. klin. Chir., 1931, 167: 121–6.—**Lichtenberg, A.** Clinical evaluation of blood indican tests in cases of urinary retention. Tr. Am. Ass. Genitourin. Surgeons, 1930, 23: 301–5.—**Lombroso, U., & Di Frisco, S.** Sul contenuto globale in azoto di ratti con impedito deflusso urinario. Boll. Soc. ital. biol. sper., 1929, 4: 129–32.—**Oppenheimer, R.** Retención de orina e hipertensión arterial. Medicina, Méx., 1943, 23: 11–5. Also Urol. Cut. Rev., 1945, 49: 602–4.—**Wüllenweber, G.** Zur Frage der arteriellen Hypertonie bei Harnabflusshindernis. Klin. Wschr., 1931, 10: 730–2.

—— Retention, postoperative and post-partum.

SIZAIRE, R. *La rétention d'urine post-opératoire. 60p. 24cm. Par., 1938.

Aguiló Aguiló, P. Tratamiento de urgencia de la retención aguda de orina. Rev. cirug. Barcelona, 1936, 11: 261–72.—**Azagra Cotado, L.** Revisión del tratamiento de la retención vesical postoperatoria. Hispalis med., 1947, 4: 385–95.—**Banchieri, F. R.** Considerazioni su un nuovo metodo di cura (procaina endovenosa) della ritenzione urinaria post-operatoria. Gazz. osp., 1948, 69: 179–84.—**Barber, H. S.** Postoperative retention of urine and its treatment. Irish J. M. Sc., 1938, 6. ser., No. 146, 68–87.—**Bazterrica, E., & Poch, A. J.** Tratamiento de la retención de orina en el post-operatorio de las grandes intervenciones pelvianas. Rev. méd. quir. pat. fem., B. Air., 1942, 20: 186–8.—**Bisquertt T., J. E., & Emmett, J. L.** Transurethral resection to relieve urinary retention following operations on the rectum and sigmoid. J. Urol., Balt., 1947, 57: 771–80.—**Boland, F. K.,** jr. Post-operative urinary retention. Urol. Cut. Rev., 1939, 43: 323–7.—**Bolton, J. H., & Brown, J. G.** Esmodil in the treatment of post-operative retention of the urine. Melbourne Hosp. Clin. Rep., 1937, 8: 110–2.—**Boman, K.** Till behandlingen av den postoperative urinretentionen. Nord. med., 1941, 12: 3705.—**Brimberg, S.** [Treatment of postoperative retention of urine by doryl] Ugeskr. laeger, 1938, 100: 569–72.—**D'Agostino, M.** Il cloridrato di pilocarpina nel trattamento della ritenzione urinaria postoperatoria. Riforma med., 1947, 61: 38.—**Feldmann, J.** Ueber die postoperative Harnverhaltung. Wien. med. Wschr., 1937, 87: 218.—**Franz, S.** Příspěvek k profylaxi pooperační retence moče po gynaekologických operacích. Cesk. gyn., 1949, 14: 65–72.—**Garvey, F. K., Bowman, M. C., & Alsobrook, W. L.** The use of beta-methylcholine urethane in postoperative urinary retention. Surg. Gyn. Obst., 1949, 88: 196–200.—**Goldberger, M. A., Landesman, R., & Burke, J. B.** Furfuryl trimethyl ammonium iodide for postoperative urinary retention. Am. J. Obst., 1949, 58: 376–84.—**Hanssen, P.** [Doryl; remedy for treatment of post-operative retention of urine] Norsk. mag. laegevid., 1937, 98: Forh. Norsk. med. selsk., 143–6.—**Helfert, I., & Granet, E.** Prevention of acute urinary retention following anorectal and perineal surgical procedures. Am. J. Surg., 1941, 53: 129.—**Jahier, M.** La rétention vésicale septique d'urines des suites de couches. Bull. Soc. obst. gyn. Paris, 1937, 26: 653–6.—**Jalcowitz, A.** Die postoperative Harnverhaltung als Symptom der allgemeinen postoperativen Krampfbereitschaft und ihre Behebung durch Säuretherapie. Mitt. Grenzgeb. Med. Chir., 1926, 40: 34–42.—**Johnson, F. L.** Postoperative urinary retention; its treatment by instillation of mercurochrome. Ohio M. J., 1941, 37: 635.—**Jomain, J.** Traitement de la rétention d'urine post-opératoire par infiltration novocaïnique du sympathique lombaire. J. urol. méd., Par., 1944–45, 52: 357–9.—**Kantor, Z. M.** [Control of postoperative retention of urine with subcutaneous injections of pilocarpinl Nov. khir. arkh., 1938, 41: 560–5.—**Köhler, H.** Anästhesierung der Rektalschleimhaut, eine neue Methode zur Behebung der postoperativen Harnverhaltung. Zbl. Chir., 1929, 56: 2899–901.—**Kreutzmann, H.** Zur Behandlung der Harnverhaltung im Wochenbett und nach Operationen mit Doryl. Med. Welt, 1938, 12: 1675.—**L., L.** Traitement de la rétention d'urine post-opératoire par l'infiltration novocaïnique du sympathique lombaire. Presse méd., 1946, 54: 846.—**Lampert, F.** Die Anwendung von Pilokarpin bei postoperativer Harnverhaltung (vorläufige Mitteilung) Zbl. Chir., 1926, 53: 469–71.—**Lipton, J. H., Beaser, S. B., & Altschule, M. D.** The action of furmethide, furfuryl-trimethyl-ammonium iodide, on the bladder in patients with urinary retention following surgery on the rectum; preliminary report. N. England J. M., 1942, 226: 138–42.—**Lonergan, R. C., & Cattell, L. M.** Postoperative urinary retention following orthopedic operations. Urol. Cut. Rev., 1948, 52: 12–4.—**Losinsky, L. I.** [Postoperative retention of urine] Vest. khir., 1930, 22: 99–104.—**McLaughlin, C. W.,** jr, & **Brown, J. R.** Postoperative urinary retention; a clinical study of 1,964 naval recruits subjected to general surgical procedures. U. S. Nav. M. Bull., 1944, 42: 1025–32.—**Maxwell, J. S.** The treatment of post-operative retention of urine with doryl. Lancet, Lond., 1937, 1: 263.—**Moir, C.** The use of doryl (carbaminoylcholine) in post-operative and post-partum retention of urine. Ibid., 261–2.—**Moore, T. D., Herring, A. L., & McCannel, D. A.** The management of the postoperative retention of urine. South. Surgeon, 1942, 11: 189–92.—**Nesbit, R. M., & Cummings, R. H.** The use of prostigmine in the management of post-operative urinary retention. Tr. Am. Ass. Genitourin. Surgeons, 1941, 34: 257–60; Disc., 272–6.—**Nilsson, F.** [Treatment of post-operative retention of urine] Sven. läk. tidn., 1933, 30: 305–8.—**Nölting, D. E., & Althabe, O. M.** El tratamiento de la retención de orina post-operatoria y post-parto por la carbaminoilcolina. Sem. méd., B. Air., 1939, 46: 1347–9.—**Novák, E.** [Postoperative urine retention] Orv. hetil., 1937, 81: mell., 25.—**Ostry, H.** Post-operative voiding and catheterization. Alberta M. Bull., 1948, 13: No. 4, 17–9.—**Palmer, D. W.** Postoperative urinary retention. West. Virginia M. J., 1945, 41: 72–4.—**Pápai, Z.** [Treatment of postoperative retention of urine] Cluj. med., 1937, 18: 322–7.—**Parker, H. W.** Postoperative urinary retention following ano-rectal surgery. J. Nat. Proct. Ass., 1948–49, 21: 36–9.—**Podvinec, J.** Le traitement de la rétention d'urine post-opératoire par injections intraveineuses d'une solution d'urotropine en combinaison avec l'acide du camphre. Bull. Soc. obst. gyn. Paris, 1936, 25: 503–5.—**Ravara Alves, L.** Retenção vesical por apertos traumáticos, post resecção do colo. Intercamb. urol., Madr., 1948, –3.—**Rohrer, P. A.** Postoperative urinary retention. Urol. Cut. Rev., 1949, 53: 620–3.—**Schwartz, J.** The treatment of post-operative retention of urine with carbaminoyl-choline-chloride; doryl. Ibid., 1938, 42: 872–4.—**Stalker, L. K., & Schulte, T. L.** A bacteriologic study of postoperative retention of urine. Proc. Mayo Clin., 1939, 14: 730–4.—**Stupperich, G.** Zur Behandlung der postoperativen Harnverhaltung. Med. Welt, 1937, 11: 182–4.—**Szenthe, L.** [Treatment of postoperative urinary retention] Orv. hetil., 1938, 82: mell., 147.—**Toland, J. J., III.** Use of furmethide in postoperative urinary retention. Bull. U. S. Army M. Dep., 1947, 7: 879–87.—**Vassallo, S. M.** Post-

operative urinary retention. East Afr. M. J., 1939–40, **16**: 148–51.—**Vignes, H.** La ritenzione d'orina post partum. Minerva med., Tor., 1941, **32**: 279.

—— Retention, prostatic.

See also **Prostate, Hypertrophy; Prostatism.**

MAURER, C. *Étude des prostatiques à la période de rétention chronique incomplète d'urine avec distension [Strasbourg] 48p. 24cm. Schirmeck, 1940.

Allemann, R. Zum Mechanismus der prostatogenen Retention. Helvet. chir. acta, 1947, **14**: 315–9.—**Campbell, E. W.** The significance of hypertension in prostatics with chronic urinary retention. J. Urol., Balt., 1941, **45**: 70–81.—**Caporale, L.** Sul meccanismo della ritenzione cronica d'urina di origine prostatica. Minerva med., Tor., 1928, **8**: pt 2, 174–80.—**Casariego, A. G.** Die Behandlung der Harnverhaltung bei akuter gonorrhoischer Prostatitis mittelst Prostatotomie. Zschr. Urol., 1928, **22**: 103–5. ——— El problema de la retención de orina, de origen prostático. Vida nueva, Habana, 1933, **31**: 110–4.—**Cathelin, F.** Considérations cliniques et chirurgicales sur le mécanisme de la rétention des prostatiques. Méd. prat., Par., 1909, **5**: 53–5.—**Chute, A. L.** Some observations on cases of prostatic obstruction presenting over-distended bladders. Tr. Am. Ass. Genitourin. Surgeons, 1913, **7**: 169–84.—**Dodd, H.** The management of retention of urine due to an enlarged prostate; decompression of the bladder. Med. Press & Circ., Lond., 1940, **204**: 229–31.—**Enlarged** prostate, retention; extravasation of urine; peritonitis; hydronephrosis. S. Thomas Hosp. Rep., Lond., 1906, n. ser., **34**: 289.—**Goligorsky, S.** Quelques réflexions sur le mécanisme des rétentions d'urine chez les prostatiques et les rétrécis. Monde méd., 1938, **48**: 119–22. Also Monde méd. (Ed. españ.) Barcel., 1944–45, **47**: 59–62.—**Hoff, A.** Die naturgemässe Behandlung der Harnverhaltung bei Vergrösserung der Vorsteherdrüse. Hippokrates, Stuttg., 1937, **8**: 594–7.—**Hoffheinz, S.** Ueber die Anwendung der Payrschen Pepsin-Pregl-Lösung zur Beseitigung durch krankhafte Veränderungen der Vorsteherdrüse bedingter Harnverhaltung. Deut. Zschr. Chir., 1926, **198**: 231–49.—**Hukke, H.** Nyōhei no 1 rei [Case of ischuria due to hypertrophy of prostate gland] Acta derm., Kyoto, 1942, **39**: 375.—**Janeček, V.** [Aetiology and treatment of acute retention of urine in hypertrophy of prostate] Cas. lék. česk., 1922, **61**: 1149–52.—**Keyes, E. L.** Cases of retention of urine due to posterior urethral valve and cyst of prostate. N. Albany M. Herald, 1926, **35**: 82–5. ——— A case illustrating the clinical history of prostatic retention of urine and its management. Surg. Clin. N. America, 1934, **14**: 227–37.—**Laurence, J.** Que doit-on faire en présence d'une rétention d'urine chez un prostatique? Rev. gén. clin. thér., 1923, **37**: 476.—**Papin, E., Chauffour & Bouland.** La rétention dans l'hypertrophie de la prostate. Bull. Soc. fr. urol., 1928, **7**: 77–86.—**Pasteau, O.** Du mécanisme de la rétention chez les prostatiques. Paris chir., 1912, **4**: 81–95.—**Pila de Pollazzi.** Pour combattre chez les prostatiques la rétention urineuse chronique incomplète sans recourir au cathétérisme. Paris méd., 1926, **61**: 393.—**Plaschkes, S.** Akute Harnretention der Prostatiker bei starker Diurese. Med. Klin., Berl., 1933, **29**: 152.—**Remijnse, J. G.** The treatment of complete retention of urine of prostatic origin by electro-coagulation. Lancet, Lond., 1928, **1**: 750–2. Also Am. J. Phys. Ther., 1928–29, **5**: 125–8.—**Schiller, V., & Altschul, W.** Die Röntgenbehandlung der Prostata bei Retentio urinae. Strahlentherapie, 1930, **36**: 179–82.—**Shastri, T. S.** A case of retention of urine due to enlarged prostate. J. Ind. M. Ass., 1935–36, **5**: 462.—**Sikemeier, E. W.** Over de oorzaken van de urine-retentie bij den prostaatlijder. Med. rev., Haarlem, 1910, **10**: 479–87.—**Simeone, F. A.** The treatment of dehydration in patients with hypertrophy of the prostate, retention of urine and impairment of renal function. N. England J. M., 1941, **225**: 299–304.—**Stutzin, J. J.** Die Blasenentleerung bei Prostatikern. Med. Welt., 1929, **3**: 1550.—**Svinth** [Retention of urine in hypertrophy of the prostate gland] Hospitalstidende, 1932, **75**: Jydsk med. selsk. forh., 103–9.—**Thompson, A. R.** Enlargement of the prostate; certain difficulties. Guy's Hosp. Gaz., Lond., 1929, **43**: 35–7.—**Verrière.** Comment et pendant combien de temps faut-il sonder un prostatique atteint de rétention aiguë pour que la rétention soit jugée définitive. P. verb. Ass. fr. urol. (1911) 1912, **15**: 704–16, ch.—**Walters, G. A. B.** Immediate prostatectomy for retention of urine. Brit. M. J., 1948, **1**: 638–40.

—— Retention: Sequelae.

See also **Bladder, Inflammation; Kidney, Hydronephrosis; Pyonephrosis,** etc.

Alves Pereira. Retencionistas distendidos e assépticos; seu tratamento. J. méd., Pôrto, 1944–45, **5**: No. 97, 21.—**Blanc, H.** Troubles graves de rétention urinaire par maladie du col vésical chez un enfant de onze ans; opération; guérison. J. urol. méd., Par., 1938, **45**: 450–3.—**Cibert, J., Froment, R., & Marion, J.** Les troubles cardio-vasculaires des distendus vésicaux; leur régression par l'évacuation vésicale. Ibid., 1941, **49**: 5–15.—**Dumas, B.** A propos d'un cas de rétention urinaire avec symptômes graves. Union méd. Canada, 1930, **59**: 630.—**Grimaldi, F. E.** Hemorragias consecutivas a las retenciones de orina. Día méd., B. Air., 1940, **12**: 421.—**Hayrettin Saykam** [Febrile conditions in retention of urine] Askeri sihhiye mecmuasi, 1941, **70**: 71–6.—**Hildebrand, K. H.** Gefahren und einleitende Behandlung hochgradiger Harnstauung. Zbl. inn. Med., 1932, **53**: 648–54.—**Litzner, S.** Die Harnstauungsniere. Klin. & Prax., Münch., 1946, **1**: 203–6.—**Martin, O. F.** Some of the possible end results of urinary retention. J. Am. Osteopath. Ass., 1937–38, **37**: 358–61.—**Peracchia, G. C.** L'influenza della stasi urinaria ureterale per la localizzazione renale dei batteri presenti in circolo. Arch. ital. urol., 1930, **6**: 351–80. Also Clin. laborat., Zaragoza, 1930, **15**: 186–221.—**Rohr, J. U.** Urinary stasis; its influence on chronic infection of the urinary tract. West Virginia M. J., 1935, **31**: 12.—**Stewart, S. G.** Problems of cardiac disease associated with urinary retention Am. J. M. Sc., 1931, **181**: 362–9.—**Vargas Vélez, E.** Una rara complicación en un retencionista; historia clínica. Rev. med. cir., Barranquilla, 1940, **7**: Ed. extraord., 126–32.

—— Retention: Surgery.

Bell, R. Prostatectomy for retention of urine. Brit. M. J. 1948, **1**: 756.—**Bonnet.** Traitement par diathermo-coagulation endoscopique de certaines rétentions vésicales. P. verb. Congr. fr. urol., 1932, 32. Congr., 487–90.—**Cardoso, A.** Retenção de urina e punccão vesical nos casos do catheterismo difficil ou irrealisavel. Med. mod., Porto, 1908, **15**: 281–3.—**Chauvin, E.** La destruction diathermique des obstacles cervicaux chez les rétentionnistes. P. verb. Congr. fr. urol., 1932, 32. Congr., 490–8.—**Clunie, T.** Surgical emergencies; retention of urine. Native M. Pract., Suva, 1932, **1**: 80–4.—**Emmett, J. L.** The surgical treatment of urinary retention. Bull. Chicago M. Soc., 1949–50, **52**: 234–40.—**Gammeltoft, S. A.** [A case of urine retention treated by Goebell-Stoeckels operation] Hospitalstidende, 1926, **69**: 169–83.—**Gayet, G., & Gayet, R.** Quelques cas de résection endoscopique du col vésical chez la femme rétentionniste. Lyon chir., 1941–42, **37**: 121–5.—**La Peña, A. de.** Un nuevo tratamiento endoscopico de la retención de orina; resultado de los primeros casos operados en España. Inform. méd., Valladolid, 1931, **8**: 145–52.—**Levy, F.** Sôbre o tratamento de urgência das retenções vesicais. Clín. hig. & hidr. Lisb., 1939, **5**: 354–6.—**Michon, L., & Vincent.** Sonde à demeure à débit ralenti ou cystostomie d'emblée chez les rétentionnistes avec distension. J. urol. méd., Par., 1941, **49**: 149–63; Disc., 171–5.—**Perazzo, E., & Caceres, M. A.** La punción de la vejiga urinaria como tratamiento de emergencia de la retención de orina. Sem. méd., B. Air., 1944, **51**: pt 2, 691–4.—**Richer, V.** Traitement de certaines rétentions d'urine par la section des nerfs hypogastriques. J. urol. méd., Par., 1929, **28**: 5–7.—**Secrétan, M.** Rétention d'urine complète chronique chez un homme de 43 ans, sans obstacle urétro-prostatique ou cervical; dilacération simple du col vésical; guérison. Schweiz. med. Wschr., 1933, **63**: 952.—**Thompson, C. M.** Prostatectomy for retention of urine. Ind. M. Gaz., 1908, **43**: 378.—**Tramoyeres Cases, A.** Tratamiento de la retención de orina por la resección transuretral. Rev. españ. cirug., Valencia, 1945, **2**: 255–64.—**Vinella, R.** Iscuria vescicale organica; punctura col troicart dall'ipogastrio; guarigione. Severino, Nap., 1852, **1**: 145–50.—**Ward, R. O.** Surgical procedures in general practice; chronic retention of urine. Brit. M. J., 1939, **1**: 177.

—— Retention: Treatment.

Adams, A. W. The treatment of retention of urine. Med. Press & Circ., Lond., 1938, **196**: 524–8.—**Bell, J. G. Y.** The treatment of retention of urine. Practitioner, Lond., 1948, **160**: 70–3.—**Blatt, P.** Behandlung der verschiedenen Formen der Harnverhaltung. Wien. med. Wschr., 1936, **86**: 1347–51. Also Wien. klin. Wschr., 1938, **51**: 180.—**Brecher, E., & Chwall, R.** Neues zur Therapie der Harnretention nebst Untersuchungen über die Entlastungsreaktion und die Diurese bei chronischer Harnstauung. Zschr. urol. Chir., 1930–31, **31**: 266–312.—**Hammond, T. E.** Retention of urine and its treatment. Practitioner, Lond., 1932, **128**: 592–606. Also Canad. J. M. & S., 1933, **74**: 127–38.—**Joseph, E.** Praktische Therapie der Harnverhaltung. Deut. med. Wschr., 1927, **53**: 1770–3.—**Kirkland, K.** Immediate relief of urinary retention. Med. J. Australia, 1941, **1**: 739.—**Macpherson, N. S.** Treatment of retention of urine in the male. Antiseptic, Madras, 1946, **43**: 153–7.—**Phélip, L.** Réflexions sur le traitement des rétentions vésicales, d'après 200 cas. Bull. méd., Par., 1929, **43**: 1007.—**Pollazi, P.** Nouveau traitement pour combattre la rétention urinaire. Paris méd., 1934, **93**: 284.—**Praetorius, G.** Ueber die erstmalige Behandlung hochgradiger Harnverhaltungen. Deut. med. Wschr., 1929, **55**: 875–8.—**Spoiàlà, T.** [Treatment of functional retention of urine] Cluj. med., 1930, **11**: 611.—**Walker, K. M.** The relief of retention. Practitioner, Lond., 1931, **126**: 240–50.—**Werwath, K.** Zur Therapie der Harnverhaltung. Med. Klin., Berl., 1939, **35**: 45–8.—**Younger, C.** El tratamiento en las retenciones vesicales de orina. Medicina, Madr., 1949, **17**: pt 2, 236–43.

—— Retention: Treatment—Catheterization.

See also **Bladder,** Catheterization.

Chwalla, R. Zur Frage der Blasenentleerung bei Harnverhaltung. Zschr. urol. Chir., 1935–36, **41**: 206–11.—**Ferrándiz Senante.** Los enfermos que no orinan; el cateterismo aséptico en las retenciones; la punción vesical. Notas méd., Lérida, 1948–49, **3**: No. 30, 1–12.—**Harris, R. G. S.** Retention of urine and the use of urethral catheters. Med. J. Australia, 1937, **1**: 583–6.—**Homb, A.** The significance of the so-called

reaction of decompression in chronic retention of urine. Acta chir. scand., 1947–48, **96**: 297–307.—**Kaufman, L. R.** Use of the catheter in retention. Am. J. Surg., 1929, n. scr., **7**: 785–94.—**Uebelhör, R.** Die rasche Entleerung der Blase bei der chronischen Harnverhaltung und ihre Folgen. Zschr. Urol., 1938, **32**: 217–26.

—— Retention: Treatment—Drug.

Brown, G. The use of derivatives of acetyl choline and eserine in retention of urine. Med. J. Australia, 1938, **2**: 863.—**McCluer, B.** Chloroform anaesthesia in retention of urine. Tr. Iowa M. Soc. (1883–85) 1885, **6**: 115–7.—**Markwalder, J.** Behandlung einer hormonalbedingten Harnverhaltung mit Bellafolin. Schweiz. med. Wschr., 1930, **40**: 183.—**Neff, J. H.** Resection of prolapsed mucosa at the vesical neck for retention of urine in the female. Tr. Am. Ass. Genitourin. Surgeons, 1938, **31**: 263–70; Disc., 295–7.—**Tokutomi, M.** Nyōhei to ensan-pilocarpin. Jap. J. Derm. Urol., 1940, **47**: 165.

—— Retention—in animals.

Bell, J. Retention of urine in the dog. Vet. Rec., Lond., 1930, **10**: 1117.—**Luton.** Rétention d'urine chez une cheval, ponction de l'urètre. J. méd. vét., Lyon, 1849, **5**: 266–75.—**Rousseau.** Note brève sur un cas de rétention d'urine guérie par une injection de 0, 20^{gr} de cocaïne. Rec. méd. vét., 1916, **92**: annexe, 363.

—— Retention—in children.

Bynum, T., jr, & Cooper, S. Retention of urine in the fetus; report of a case. J. Urol., Balt., 1936, **35**: 93–5.—**Cervini, P. R., Oliva, F., & Weissmann, M.** Retención completa de orina en un lactante. Arch. argent. pediat., 1943, **19**: 411–5. Also Arch. pediat. Uruguay, 1943, **14**: 521. Also An. Soc. puericult. B. Aires, 1943, **9**: 80 (Abstr.)—**Didi, M. L.** Retention of urine in a new-born. Ind. M. Gaz., 1942, **77**: 544.—**Hoffman, H. L.** Retention of urine in a child, due to an appendix abscess. Lancet, Lond., 1932, **1**: 778.—**Howze, C. P., & Jaeger, D. S.** Retention of urine in children due to extravesical pelvic disease; report of two cases. Tr. Am. Ass. Genitourin. Surgeons (1944) 1945, **37**: 5–12. Also J. Urol., Balt., 1944, **52**: 319–25.—**McNulty, P. H.** Complete retention of urine in infancy; a common cause. Urol. Cut. Rev., 1946, **50**: 144.—**Mercier, O.** Un cas de rétention complète d'urine chez un enfant de deux ans et demi. Union méd. Canada, 1931, **60**: 15.—**Mutel.** Deux cas de rétention d'urine chez le nouveau-né. Rev. méd. Nancy, 1937, **65**: 555–7.—**Paláez Brihuega, J.** Retención vesical aguda completa de orina en un niño de tres años. Actual. méd., Granada, 1940, **16**: 237–9.—**Parmenter, F. J., & Leutenegger, C.** Retention of urine in children with and without demonstrable cause. Am. J. Dis. Child., 1926, **32**: 692–700.—**Rost, F.** Ueber Harnverhaltung bei Kindern ohne mechanisches Hindernis. Zschr. urol. Chir., 1926, **19**: 148–52.—**Sala, A.** Tre casi di ritenzione d'urina nell'infanzia. Policlinico, 1926, **33**: Sez. prat., 1533–5.—**Stulik, C. K.** Urinary retention. Am. J. Dis. Child., 1934, **48**: 458.—**Thévenard, Burgeat & Mirault.** Rétention complète d'urine, persistant depuis 16 mois, chez une jeune fille. Bull. Soc. chir. Paris, 1934, **26**: 282–4.—**Zaorski, J.** [Daily medical practice] Pedjat. polska, 1935, **15**: 331.

—— Retention—in women.

Addis, W. R. A note on impaction of the bladder. J. Obst. Gyn. Brit. Empire, 1936, **43**: 1028–30.—**Attwater, H. L.** A case of chronic urinary retention in a woman. Brit. J. Urol., 1944, **16**: 61–4.—**Contiades, X. J.** Etude radiologique de la stase urinaire gravidique par l'urétéro-pyélographie ascendante. Gyn. obst., Par., 1936, **34**: 448–60.—**Derom, F.** Sympathicusresectie wegens chronische urineretentie bij de vrouw. Verh. Vlaam. Acad. geneesk. Belgie, 1947, **9**: 274–80.—**Desbonnets, G., & Danès, A.** Enorme rétention vésicale, incomplète et chronique simulant un kyste de l'ovaire. J. sc. méd. Lille, 1925, **43**: 254–7.—**Grayson, C. C.** Retention of urine and pyelitis in girls. Brit. M. J., 1943, **2**: 657.—**Kvater, E. J.** [Pathogenesis of puerperal ischuria] Vrach. gaz., 1926, **30**: 444–6.—**Lazarus, J. A.** Two cases of urinary retention from vaginal occlusion. N. York State J. M., 1932, **32**: 339.—**Leander, G.** Urinretention hos kvinnor. Nord. med., 1944, **23**: 1277.—**Marcel, J. E.** Le rétentissement urinaire des affections génitales de la femme. France méd., 1947, **10**: No. 7, 15–8.—**Marion, G.** Du soulèvement du col par voie vaginale. Bol. As. méd. Santiago (Domin.) 1948, **6**: 405–10.—**Mascaró Porcar, J. M., & Cols Baqués, A.** Consideraciones a propósito de un caso de retención de orina en la mujer. Med. clín., Barcel., 1948, **10**: 178–80.—**Mauks, K.** Beiträge zur Frage der Harnverhaltung in der Schwangerschaft und im Wochenbett. Zbl. Gyn., 1942, **66**: 695.—**Mouradian, A. H.** Acute urinary retention due to hematocolpometra. Med. J. & Rec., 1932, **135**: 369.—**Pouliot, L.** La rétention d'urine pendant la grossesse. Ann. mal. org. génitourin., 1909, **1**: 1–31.—**Salvini, A.** Su alcuni casi di ritenzione acuta completa delle urine da fibroma dell'utero. Clin. ostet., 1942, **44**: 214–20.—**Snodgrass, M. R.** Acute urinary retention in the female; report of case due to hematocolpometra. J. Am. M. Ass., 1931, **97**: 777.—**Spurr, R.** Retención extemporánea de orina por quiste hidático del Douglas. Rev. espec., B. Air., 1927, **2**: 970–7.—**Talwar, B. K.** Haematocolpos as the cause of the retention of urine. Antiseptic, Madras, 1947, **44**: 539.—**Warner, H.** Harnretention bei der Frau. Verh. Deut. Ges. Urol. (1928) 1929, 8. Kongr., 170–2.—**Winsbury-White, H. P.** Two cases of retention of urine in women. Lancet, Lond., 1936, **1**: 1008.—**Zwillinger, A.** Une cause rare de rétention chez la jeune fille; l'hémato-colpométrie. J. urol. méd., Par., 1938, **45**: 158.

—— Rhythm [incl. disorders]

Lacassie, R. Enurésie et rythme urinaire. Presse méd., 1946, **54**: 462. ——— Formes cliniques de l'énurésie de l'adulte et perturbations de guerre du rythme urinaire. Paris méd., 1947, **37**: 168–71.—**Molnár, S.** Die Urineinschränkung in der Nacht; Bemerkungen zur gleichnamigen Arbeit von Tores. Deut. Arch. klin. Med., 1933–34, **176**: 679–82.—**Porak, R.** Recherches sur le rythme du débit urinaire. Arch. Inst. Pasteur Tunis, 1932–33, **21**: 468–83.

—— Volume.

See also **Bladder**, Cystometry; **Kidney function**, Test; **Micturition**, Measurement.

Leonard, W. E., & Brooks, C. M. Factors influencing micturition volume in the rat. Am. J. Physiol., 1943, **139**: 532–42.

—— in animals.

Berg, I. A. Development of behavior; the micturition pattern in the dog. J. Exp. Psychol., 1944, **34**: 343–68.—**Freud, J., & Uyldert, I. E.** Micturition and copulation behaviour patterns in dogs. Acta brevia neerl., 1948, **16**: 49–53.—**Hediger, H.** Die Bedeutung von Miktion und Defäkation bei Wildtieren. Schweiz. Zschr. Psychol., 1944, **3**: 170–82.—**Maluf, N. S. R.** Micturition in the crayfish and further observations on the anatomy of the nephron of this animal. Biol. Bull., 1941, **81**: 134–48, 3 pl.—**Muschart, J.** L'influence des variations de volume et de pression sur le travail de la vessie isolée de grenouille. C. rend. Soc. biol., 1939, **131**: 1291–4.

MICUCCI, Maria, 1912– *De la cardiazolthérapie non convulsivante. 74p. 24cm. Par., Impr. Foulon, 1940.

MICUIM.

See also **Dermatosis**, parasitic; **Tetranychus; Trombidiosis.**

Bassewitz, E. v. O micuim. Brasil med., 1917, **31**: 115; 122.

MIDAS.

Lehmann-Nitsche, R. Die Eselsohren des Midas. Forsch. & Fortschr., 1937, **13**: 247.

MIDAVAINE, Isidore Fleury Simple, 1795–1871.

For biography see in Biogr. nat., Brux., 1897, **14**: 819.

MIDBRAIN.

See **Brain**, Mesencephalon.

MIDDEL, Lucie, 1904– *Der Peritonsilarabszess; seine Gefahren und seine Behandlung. 24p. 20½cm. Bonn, A. Brand, 1938.

MIDDEL, Margret, 1911– *Weitere Untersuchungen über den Elektrokardiogrammtyp bei Steinstaublungenkranken. 16p. 22½cm Bonn, Gebr. Scheur, 1937.

MIDDELBURG, Netherlands. Zeeuwsch Genootschap der Wetenschappen. Gedenkboek uitgegeven ter gelegenheid van het anderhalveeeuwfeest ... 1769–1919. 115p. 4° Middelburg, J. C. & W. Altorffer, 1919[?]

MIDDELBURG, Netherlands.

See also **Netherlands.**

Fokker, M. Proeve van eene lijst bevattende de vroegere namen der huizen in Middelburg. 101p. 4° Middelb., 1904.

Man, J. C. de. De Geneeskundige School te Middelburg, 1825–66. 2v. 221p.; 152p. 8° Middelb., 1902–04.

Schoute, D. De levensloop van een ziekenhuis; geschiedenis van het Gasthuis te Middelburg. 149p. 23½cm. Middelb., 1916.

MIDDELDORF, Hugo, 1910– *Untersuchungen über den serologischen Krebsnachweis nach Lehmann-Facius [Münster] 15p. 21cm. Quakenbrück, R. Kleinert, 1937.

MIDDELDORPF, Albrecht Theodor, 1824–68.

For obituary see Année sc. indust., Par. (1868) 1869, **13**: 500.

MIDDELDORPF, Konrad, 1896–1938.
For obituary see Deut. Zschr. Chir., 1938–39, **251:** H. 8, p. i.

MIDDELMANN, Hans, 1906– *Entfernung der ganzen Schilddrüse als Behandlungsverfahren bei Versagen des Herzens [Berlin] 32p. 21cm. Gütersloh i. W., Thiele, 1937.

MIDDELMANN, Wilhelm, & HUERTER, Joseph. Die Ernährung des Kranken. 202p. illust. tab. diagr. 21½cm. Stuttg., Wiss. Verlagsges., 1947.

MIDDENDORF, Hildegard, 1913– *Der Verlauf der Tuberkulose- und Krebssterblichkeit im Kreise Coesfeld von 1900 bis 1935 [Münster] 27p. 8° Lengerich i. W., Lengerich. Handelsdr., 1937.

MIDDENDORF, Max von, 1861–
For biography see in Aerzte Estlands (Brennsohn, I.) Riga. 1922, 276.

MIDDENDORP, Jacob, 1537–1611. Academiarum universi terrarum orbis libri tres. 11 l., 1 blank l. 634p. 10 l. 8° Köln, Maternus Cholin, 1583.

MIDDLE age.

See also **Age; Climacteric; Evolution; Geriatrics; Growth; Life; Menopause; Rejuvenation.**

Cowdry, E. V. Problems of ageing; biological and medical aspects. 758p. 23½cm. Balt., 1939. Also 2. ed. 936p. 1942.

Lawton, G. Ageing successfully. 266p. 22cm. N. Y., 1946.

Niemoeller, A. F. Men past forty. 154p. 19cm. N. Y., 1938.

Williams, L. L. B. Middle age and old age. 296p. 22½cm. Lond., 1925.

Wüscher, H. Menschen über Vierzig; Körper und Seele, Gesundheit und Krankheit in der zweiten Lebenshälfte. 100p. 8° Zür., 1948.

Calver, G. W. The man past the forties. Bull. Onondaga Co. M. Soc., 1937, Suppl., Jan., 5.—**Curran, D.** The assessment of the mental changes in middle age. Med. Press & Circ., Dubl., 1934, **188:** 513.—**Davidson, G. M.** Passing the meridian of life. Psychiat. Q., 1942, **16:** 692–706.—**Grinker, R. R.** So now you're middle-aged. Surv. Graphic, 1947, **36:** 678–81.—**Harris, D. B.** Maturity and ageing; a course in the Institute of Child Welfare of the University of Minnesota. J. Geront., 1948, **3:** 18–20.—**Horn, W. S.** The approach years. J. Kansas M. Soc., 1939, **40:** 368–72.—**Man** (The) of 50. Squibb Mem., 1937, **16:** 6; 1938, **17:** 15.—**Middle** age. Brit. J. Phys. M., 1934–35, **9:** 223.—**Potter, G. R.** Late middle age. Med. World, Lond., 1946, **64:** 616–23.—**Ruhberg, G. N.** The presenium. Minnesota M., 1934, **17:** 182–4.—**Smithline, J.** Middle life and old age. Med. Rec., N. Y., 1945, **158:** 409–11.—**Something** should be done about the man of 50. Squibb Mem., 1937, **16:** No. 2, 12–4.

—— Hygiene.

See also **Employment; Industrial worker,** Absenteeism; **Occupation; Unemployment.**

Carroll, R. S. Old at forty or young at sixty; simplifying the science of growing old. 147p. 8° N. Y., 1920.

Haggard, H. W. Staying young beyond your years. 89p. 16° N. Y., 1937.

Hans, A. *Körperbauuntersuchungen an Personen im Umbildungs-, Rückbildungs- und Greisenalter. 38p. 8° Bonn, 1933.

Hirsch, E. W. Feel like thirty at fifty [2. print.] 116p. 15½cm. Chic., 1939.

Hollander, W. v. Der Mensch über Vierzig. 223p. 20cm. Berl., 1938.

Johnson, W. M. The years after fifty. 153p. 21cm. N. Y., 1947.

Podolsky, E. Old age outwitted. 185p. 16° N. Y., 1936.

Sokolov, B. F. Middle age is what you make it. 204p. 8° N. Y., 1938.

Stieglitz, E. J. The second forty years. 317p. 22cm. Phila., 1946.

Bird, C. Age and greatest achievement. In his Social Psychol., N. Y., 1940, 403–12.—**Bonomo, J.** What is all right at 25 may be all wrong at 50. Healthkeeping, N. Y., 1940, **1:** 34.—**Comrie, J. D.** Diet in middle age. Brit. J. Phys. M., 1934–35, **9:** 224–6.—**Deparis, M.** Hygiène du quinquagénaire. In: Actual. méd. chir. prat., Par., 1948, **2:** 161–70.—**Dunphy, E. B.** How does middle age affect the eyes? Sightsav. Rev., 1949, **19:** 139–46.—**Faught, F. A.** Characteristic findings after forty years of age. Med. Rec., N. Y., 1934, **140:** 343–6.—**Gardner, L. P.** Attitudes and activities of the middle-aged and aged. Geriatrics, 1949, **4:** 33–50.—**Handley, W. S.** The deferment of senescence, prophygeria. Tr. M. Soc. London, 1943–46, **64:** 171–5.—**Lee, R. I.** Health and fitness at 50. Hygeia, Chic., 1942, **20:** 818; 873. Also Proc. Mayo Clin., 1942, **17:** 378; 397.—**Lehman, H. C.** The creative years in science and literature. Sc. Month., 1936, **43:** 151–62. ——— The creative years; best books. Ibid., 1937, **45:** 65–75. ——— The creative years; medicine, surgery and certain related fields. Ibid., 1941, **52:** 450–61.—**Rathe, H. W.** Health guidance in maturity. J. Iowa M. Soc., 1947, **37:** 270.—**Skinner, G. A.** Physical rehabilitation of the middle-aged. Clin. M. & S., 1935, **42:** 538–41. ——— The price of physical fitness; middle life and old age. Everybody's Health, S. Paul, 1944, **29:** No. 3, 5.—**Thomen, A. A.** Why should you take it easy after forty? In his Doctors don't believe it, N. Y., 1941, 80–3.

—— Medical aspect.

Boas, E. P. Treatment of the patient past fifty. 324p. 21cm. Chic., 1941. Also rev. ed. 414p. 1944. Also 3. ed. 479p. 1947.

Bassler, A. Aging, arteriosclerosis, and cardiac conditions from a biotoxic intestinal viewpoint. Med. Rec., N. Y., 1941, **153:** 20–2.—**Burke, G. T.** The middle-aged patient, and later, a lecture to post-graduates. Ind. M. Gaz., 1936, **71:** 153–7.—**Crandall, L. S.** Maturity and medical treatment. Minnesota Welf., 1948–49, **4:** 6–9.—**Derecq.** La thérapeutique dans les troubles de la cinquantaine. J. méd. Paris, 1935, **55:** 258.—**Downes, J.** Chronic disease among middle- and old-age persons. Milbank Mem. Fund Q., 1941, **19:** 5–25.—**Faria, T. V. de.** A ginecologia na idade média. Rev. med. Rio Grande do Sul, 1948–49, **5:** 363–75.—**Gorrell, R. L.** Treatment of sexual decline in middle-aged men. Clin. M. & S., 1938, **45:** 422–5.—**Heiser, V. G.** The influence of nutrition on the diseases of middle and old age. Sc. Month., 1939, **49:** 304–10.—**Henry, C.** Diseases of the middle age and later-on. Ind. M. Rec., 1946, **66:** 85–92.—**Ide, M.** Le traitement spécifique des maladies de la cinquantaine. Rev. méd., Louvain, 1926 117–21.—**Jacobson, E.** Progressive relaxation and diseases of middle age. Brit. J. Phys. M., 1935–36, **10:** 14–6.—**Kennedy, F.** Borderline mental problems in late maturity. Pub. Health Rep., Wash., 1942, Suppl. No. 168, 64–72.—**Kuhlen, R. G.** Psychological trends and problems in later maturity. In: Introd. Clin. Psychol. (Pennington, L. A.) N. Y., 1948, 218–48.—**Lawton, G., Gilbert, J. G.** [et al.] Psychological problems of later maturity; round table. Am. J. Orthopsychiat., 1944, **14:** 266–84.—**Podolsky, E.** Danger signals after 40. Health, Mount. View, 1943, **10:** No. 8, 6.—**Prout, C. T., & Bourcier, A. U.** Mental problems of mid-life; a review of 100 cases. N. England J. M., 1940, **223:** 576–81.—**Stransky, E.** Psychotische Zustandsbilder des Präseniums. Wien. klin. Wschr., 1934, **47:** 1429.—**Weiss, O. L.** Das Präsenium und seine therapeutische Beeinflussung. Psychiat. neur. Wschr., 1935, **37:** 212.—**Williams, T. A.** Some besetments of mid-life. Edinburgh M. J., 1937, **44:** 621–32.

MIDDLE Ages.

See also **Civilization; Culture; History; Medicine**—by periods; also under branches of sciences as **Anatomy,** History; **Surgery**—by periods; also names of medieval customs and institutions as **Manuscript; Monastic medicine;** also names of people, countries and cities as **Arabs,** Medicine and science; **France,** Medicine; **London,** Medical history; also names of professions as **Barber-surgeon; Knight-hospitaler;** also names of medieval personalities as **Cermisone; Ibn Sina;** also other medical and historical subjects as **Balneology,** History; **Blood circulation,** History; **Burial place,** Ethnography and history; **Leprosarium,** History, etc.

Cambridge (The) medieval history. 8v. 24cm. N. Y., 1926–36.

Chevalier, C. U. J. Répertoire des sources historiques du moyen âge. v.**1:** Bio-bibliographie. Nouv. éd. 2v. 4831p. paged continuously. 28cm. Par., 1905–07.

—— The same. v.**2:** Topo-bibliographie. 2v. 3383p. paged continuously. 28½cm. Montbéliard, 1894–1903.

PAETOW, L. J. A guide to the study of medieval history. Rev. ed. 643p. 24cm. N. Y., 1931.

SPECULUM; a journal of mediaeval studies. Cambr., v.**11**, 1936–

Howland, A. C. The Lea Library of medieval history. In: Fac. Survey Univ. Pennsylvania Libraries (Phila. Bibliogr. Plan. Com.) Phila., 1940, 71–3.—**Jiménez Rueda, J.** El concepto de la Edad Media. Rev. univ., Guadalajara, 1943, **1**: No. 2, 64.—**Roussell, A.** Mediaeval archaeology. In: Human. & Sc. in Denmark, Kbh., 1948, 71–4.—**Van Hoesen, H. B.** A guide to the study of mediaeval history by L. J. Paetow [Bk Rev.] Libr. Q., 1932, **2**: 80–2.—**Varron, A. G.** Der Mensch des Mittelalters. Ciba Zschr., Basel, 1936–37, **4**: 1579–1605.

—— Byzantine era.

NEMESIUS, G. N. De natura hominis [Greek and Latin text] 181p.; 142p. 16° Antwerpen, 1564.

Bariéty. La médecine byzantine dans l'Alexiade d'Anne Commène. Mém. Soc. fr. hist. méd., 1947, **3**: 17–21. Also Sem. hôp., Par., 1947, **23**: 959.—**Botta Micca, A.** Psicopatologia femminile alla corte di Bisanzio. Minerva med., Tor., 1948, **39**: Varia, 14–20.—**Brunet, F.** Contribution des médecins byzantins à l'histoire des plantes et à la botanique médicale en France. Hippocrate, Par., 1937, **5**: 524–31.—**Codellas, P. S.** The Pantocrator, the imperial Byzantine medical center of XII. century A. D. in Constantinople. Bull. Hist. M., 1942, **12**: 392–410.—**Mayer, C. F.** A Magyar Nemzeti Muzeum Oribasius kódexe [The Oribasius Codex of the Hungarian National Museum] Orv. hetil., 1925, **69**: 1040.—**Mieli, A.** La décadence de la science ancienne classique à partir du III. siècle n'est pas encore un effondrement; la science de l'époque de Justinien. In his Science arabe, Leiden, 1938, 38–40.—**Santifaller, L.** Neue Forschungen zur Geschichte des lateinischen Patriarchats von Konstantinopel. Forsch. & Fortsch., 1939, **15**: 5.

—— Culture.

See also subheadings (Medical life; Salernitan culture; Science) also such terms as **Humanism**, etc.

ARNOLD, Sir T. W., & GUILLAUME, A. The legacy of Islam. 2. print. 416p. 19cm. Lond., 1943.

FABRETTI, A. La prostituzione in Perugia nei secoli XIV e XV. 46p. 8° Tor., 1885.

JACOB, P. L. Curiosités de l'histoire des croyances populaires au moyen âge. 325p. 16½cm. Par., 1859.

Balderston, W. Law-making in mediaeval England from the 7. to the 14. century. Abstr. Theses Cornell Univ. (1941) 1942, 129–32.—**Bouvier, J.** Fournitures faites par les apothicaires de Romans, en Dauphiné, aux XIV. et XV. siècles. Tr. Soc. hist. pharm., Par. (1942) 1943, 44–6.—**Brandl, A.** The Beowulf epic and the crisis in the Mercian dynasty about the year 700 A. D. Res. & Progr., Berl., 1936, **2**: 195–203.—**Cohen, G.** Amours médiévales. Psyché, Par., 1947, **2**: 274–82.—**Derbolav, W.** Gauklerkünste des ausgehenden Mittelalters. Umschau, 1938, **42**: 747–50, illust.—**Haug, H.** Portraits strasbourgeois de la fin du moyen âge. Synthèse, Par., 1935, **3**: No. 2, 71–81, 2 pl.—**Jenny, W. A. v.** Die darstellende Kunst der Germanen im frühen Mittelalter. Forsch. & Fortsch., 1938, **14**: 193.—**Marr, G. S.** The sex factor in the medieval church. In his Sex in Relig., Lond., 1936, 92–122.—**Rojas, N.** Un crimen medioeval en la actualidad. Med. argent., 1932, **11**: 1220–3.—**Singer, C., & Rabin, C.** General character of medieval Hebrew. In their Prelude to Mod. Sc., Lond., 1946, p. lxxviii.

—— Health and disease.

See also under names of infections and diseases as **Leprosy**, History; **Plague**, History, etc.

BAAS, K. Gesundheitspflege im mittelalterlichen Basel. 120p. 22½cm. Zür., 1926.

Forms v.**6**, Zürch. med. geseh. Abh.

Auch im Mittelalter wurden die Seuchen bekämpft. Med. Klin., Berl., 1940, **36**: 447.—**Bircher, R.** Fleischkonsum im deutschen Mittelalter. Wendepunkt, Zür., 1936–37, **14**: 282–4.—**Brinch, O., & Møller-Christensen, V.** On comparative investigations into the occurrence of dental caries in archaeological skulls with a preliminary report on investigations of caries frequency in medieval times in Denmark, Aebelholt Abby. Odont. tskr., 1949, **57**: 357–80.—**Codazzi Aguirre, J. A.** Indicaciones estético-quirúrgico-faciales de Guy de Chauliac. Relat. Congr. lat. amer. cir. plást. (1947) 1949, 4. Congr., 460–7.—**Fischer, A.** Bilder zur mittelalterlichen Kulturhygiene im Bodenseegebiet. Schweiz. Zschr. Gesundhpfl., 1923, **3**: 57–92.—**Fosseyeux, M.** Cure balnéaire et thaumaturgique des aliénés au moyen âge. Bull. Soc. fr. hist. méd., 1939, **33**: 21–32.—**Gallinek, A.** Psychogenic disorders and the civilization of the Middle Ages. Am. J. Psychiat., 1942–43, **99**: 42–54.—**Gottschalk, A.** L'alimentation humaine depuis la préhistoire jusqu'à nos jours; l'alimentation au moyen-âge. Hippocrate, Par., 1947, **15**: 257; 305.—**Isager, K.** [From the cemetery of a mediaeval monastery] Nord. med., 1940, **5**: 165–8. —— Die Skelette. In his Krankenfürs. dän. Zisterzien. Øm, Kbh., 1941, 15–21. —— Knochenveränderungen infolge von Krankheiten. Ibid., 62–116.—**Mayer, C. F.** A gyógyszertan multjából [From the past of pharmacy] Orv. hetil., 1925, **69**: 847–9. —— A vizeletvizsgálat diagnosztikai jelentősége a középkorban [Diagnostic value of urinalysis in Middle Ages] Ibid., 889–90. —— Középkori egészségügyi propagandamesék a lázról és a podagráról [Medieval tales on fever and podagra for health education of the public] Ibid., 1928, **72**: 372.—**Møller-Christensen, V., & Brinch, O.** Tooth infection and spinal joint diseases in medieval Denmark. Paradentologie, Genève, 1948, **2**: 12–7, 2 pl.—**Mousson-Lanauze, J. B. O. P.** Die Therapie im Mittelalter. In his Entw. Heilk., Par., 1913, 43–52, illust., pl.—**Sandberg, T., & Mellquist, C.** Odontologische und anthropologische Studien an ca. 1400 Schädeln aus dem Mittelalter in Schweden und Grönland. Deut. Zahn &c. Heilk., 1940, **7**: 1–8.—**Seracsin, A.** Seuchenbekämpfung im frühen Mittelalter. Forsch. & Fortsch., 1940, **16**: 85–7.—**Treichler, A.** Ueberblick über die Pestepidemien Europas und der Schweiz im Mittelalter. Zürch. med. gesch. Abh., 1926, **7**: 9–11.—**Underwood, E. A.** How pestilence changed the Middle Ages. Health Educ. J., Lond., 1949, **7**: 160, pl. —— Three remedies of the Middle Ages. Ibid., 1950, **8**: 29, pl.—**Wickersheimer, E.** Faits cliniques observés à Strasbourg et à Haslach en 1362 et suivis de formules de remèdes. Bull. Soc. fr. hist. méd., 1939, **33**: 69–92.

—— Literature.

See also **Book; Illustration; Manuscript**; also names of medical specialties.

ADELARDUS. Die Quaestiones naturales des Adelardus von Bath. 92p. 24½cm. Münst., 1934.

Forms No. 2, v.**31**, Beitr. Gesch. Philos. & Theol. Mittelalt.

ALBERTUS MAGNUS. De animalibus libri XXVI; nach der Cölner Urschrift. 2v. 1664p. paged continuously. 8° Münster i. W., 1916–20.

BACON, R. Opus Majus; transl. by R. B. Burke. 2v. 840p. paged continuously. 8° Phila., 1928.

CHAULIAC, G. A. P. M. *Guy de Chauliac, fondateur de la chirurgie didactique; La grande chirurgie (1363) premier monument de la chirurgie moderne. 63p. 25½cm. Bord., 1936.

ENGLERT, L. G. A. *Die medizinhistorische Bedeutung des Fragmentum Donaueschingense. 28p. 8° Lpz., 1933.

AL-GĀFIQĪ, AḤMAD IBN MUḤAMMAD. The abridged version of The Book of Simple Drugs. Fasc. 1–4. 4v. 24cm. Cairo, 1932–40.

[HIE NEMPT WAR SY DES MENSCHEN LYB SY INWENDIG GESTALT] Ein deutscher anatomischer Text aus dem 15. Jahrhundert. 24p. 24cm. Bern, 1943.

Forms No. 2, Berner Beitr. Gesch. Med.

LAUCHERT, F. Geschichte des Physiologus. 312p. 8° Strassb., 1889.

LIBER (THE) DE DIVERSIS MEDICINIS in the Thornton manuscript (Lincoln Cathedral A. 5. 2) 160p. 22½cm. Lond., 1938.

MEYERHOF, M. Die literarischen Grundlagen der arabischen Heilmittellehre. p.2957–88. 24cm. Basel, 1942.

In: Ciba Zschr., Basel, 1942, **8**:

MONDEVILLE, H. DE. La chirurgie de maître Henri de Mondeville; traduction contemporaine de l'auteur, publiée d'après le ms. unique de la Bibliothèque Nationale par A. Bos. 2v. 287p.; 340p. 23½cm. Par., 1897–98.

PEYSER, E. *Eine hebräische medizinische Handschrift; Beitrag zur Komplexionenlehre. 52p. 22½cm. Basel, 1944.

PHYSIOLOGUS. Die aethiopische Uebersetzung des Physiologus, nach je einer Londoner, Pariser und Wiener Handschrift hrsg., verdeutscht und mit einer historischen Einleitung versehen von Fritz Hommel. 166p. 22cm. Lpz., 1877.

WRIGHT, T. Popular treatises on science written during the middle ages in Anglo-Saxon, Anglo-Norman, and English. 140p. 21½cm. Lond., 1841.

YPERMAN, J. De Cyrurgie. 285p. 8° Leiden, 1912.

—— [The same] Livres I et II. 121p. 25½cm. Par., 1936.

Bareaud, E. Von illustrierten ärztlichen Handbüchern der späten Antike und des Mittelaters. Ciba Zschr., Basel, 1934–35, **2**: 449–52.—**Book** (The) of Joseph, which is a collection of all therapeutics [transl. from the Persian by H. A. Lightwardt] Urol. Cut. Rev., 1943, **47**: 332–8.—**Bugiel.** Contribution à la médecine médiévale, les deux médecins, héros d'un conte des Gesta Romanorum. Liber mem. Congr. hist. art guérir (1920) 1921, 1. Congr., 94–101.—**Buhler, C. F.** Medieval texts and their first appearance in print, by E. P. Goldschmidt [Bk Rev.] Papers Bibliogr. Soc. America, 1943, **37**: 310–4.—**Chaytor, H. J.** The medieval reader and textual criticism. Bull. John Rylands Libr., 1941–42, **26**: 49–56.—**Cramer, F. H.** Study of scientific medieval manuscripts. Yearb. Am. Philos. Soc. (1948) 1949, 188–91.—**Del Gaudio, A.** Fisiologia della generazione umana nel canto 15. del Purgatorio. Arch. stor. sc., 1927, **8**: 176–99.—**Dubreuil-Chambardel, L.** Un manuscrit médical du 15. siècle d'origine mancelle. Bull. Soc. fr. hist. méd., 1904, **3**: 497–527.—**Kremers, E.** An Arzney Holbuch. J. Am. Pharm. Ass., 1927, **16**: 1189–92.—**Lutz, F. J.** The first German book on surgery. Brit. M. J., 1913, **1**: 1172.—**Mayer, C. F.** A Budapesti Egyetemi Könyvtár néhány orvosi kódexéröl [A few medical codices of the University of Budapest University Library] Orv. hetil., 1926, **70**: 118–22, 3 pl. —— Egy 14. századbeli kéziratos orvosi tankönyv [A 14. century medical manuscript textbook] Ibid., 1927, **71**: 857. —— A medieval English leechbook and its 14. century poem on bloodletting. Bull. Hist. M., 1939, **7**: 381–91. —— The collection of Arabic medical literature in the Army Medical Library, with a checklist of Arabic manuscripts. Ibid., 1942, **11**: 201–16.—**Mediaeval** politics and pharmacy; a sidelight extracted from The Libelle of Englyshe polycye, a vigorous 15. century polemic in verse. Chemist & Druggist, Lond., 1930, **112**: 796.—**Mieli, A.** Les premiers traducteurs en arabe dans le monde islâmique. In his Science arabe, Leiden, 1938, 68–71. —— Quelques savants arabes et quelques ouvrages à partir du 14. siècle; écrivains scientifiques. Ibid., 261–7.—**Møller-Christensen, V.** Laegevidenskabelige vaerker i domkapitlets bibliothek. Acta hist. sc. natur. med., Kbh., 1944, **3**: 78–81.—**Neuss, W.** Ein Meisterwerk der karolingischen Buchkunst aus der Abtei Prüm in der Biblioteca nacional zu Madrid. Forsch. & Fortsch., 1940, **16**: 382.—**Neves de Sousa Silveira, M. A.** Livros-guias da arte farmacêutica portuguesa no século 15. J. farm., Lisb., 1949, **8**: 47.—**Ogden, M. S.** The medical background of the text. In: Liber de divers. med., Lond., 1938, p. xv–xxvi.—[**Pharmacies** in the 14th century] Ny pharm. tid., Kbh., 1874, **6**: 334.—**Pollacci, G., & Lo Vasco, A.** Di un codice erbario inedito del sec. 15. Boll. Soc. ital. biol. sper., 1940, **15**: 330.—**Richter, H.** Englische Geschichtschreiber des 12. Jahrhunderts. Forsch. & Fortsch., 1940, **16**: 267.—**Scalinci, N.** Su Arnaldo di Villanova e il suo Breviarium practicae. Atti Accad. stor. arte san., 1947, **13**: 27; passim.—**Schmidt, W.** Schrifttum und Leserkreis im deutschen Mittelalter. Forsch. & Fortschr., 1938, **14**: 410.—**Schneider, F.** Neue Boccaccio-Forschungen. Ibid., 64.—**Seeberg, E.** Fragen zu Meister Eckhart. Ibid., 1940, **16**: 286–8.—**Simonini, R.** Formulario in Medicinae varia, codice mss. dell'8.secolo conservato nella Metropolitana di Modena. Atti Accad. stor. arte san., 1941, **7**: 10; passim.—**Sudhoff, K.** Ueber eine provençalische Chirurgie eines Stephanus Aldebaldi aus Montpellier um 1340–50. Janus, Leiden, 1929, **33**: 191–8.—**Süheyl, A.** Sur un manuscrit médical illustré, du 15. siècle; traité de chirurgie. Congr. internat. hist. méd., Bucur., 1932, 72.—**Wessler, J.** Sancta Apollonia und ihr Bild in mittelalterlichen Handschriften. Schweiz. Vjschr. Zahnh., 1920, **30**: 178–93, pl.—**Wickersheimer, E.** Un manuscrit médical du 12. siècle ayant appartenu à l'Abbaye de Saint-Germain d'Auxerre. In: Neuburger Festschr., Wien, 1948, 478–81.

—— Medical life.

WICKERSHEIMER, E. Dictionnaire biographique des médecins en France au moyen âge. 2 vol. 867p. paged continuously. 8° Par., 1936.

Audry, J. La chirurgie à Lyon, pendant le moyen âge. Lyon méd., 1927, **140**: 470; 502.—**Barr, D. A.** The practice of medicine in 14. century England. Univ. Toronto M. J., 1948–49, **26**: 260–2.—**Carbonelli, G.** Mediaeval pharmacopolists; a short exposition of Venetian retail drug vending based on contemporary iconography. Chemist & Druggist, Lond., 1930, **112**: 798. —— Medici, chirurghi e barbieri piemontesi dal sec. 13. al sec. 16. Atti Accad. stor. arte san., 1942, **8**: 78–88.—**Chevalier, A.** Konsilien im mittelalterlichen Paris. Ciba Zschr., Basel, 1945–47, **9**: 3810.—**De Mets.** La corporation des chirurgiens-barbiers d'Anvers et l'enseignement de la chirurgie à Anvers, depuis la fin du moyen-âge jusqu'à la Révolution française. Liber mem. Congr. hist. art guérir (1920) 1921, 1. Congr., 210–30, facsim.—**Dubrême, J. C.** Médecins et médecines du moyen-âge. Chron. méd., Asnières, 1933, **40**: 81–6.—**Dubreuil-Chambardel, L.** De l'emploi au moyen-âge des mots medicus et physicus. Liber mem. Congr. hist. art de guérir (1920) 1921, 1. Congr., 294.—**Erkamo, V.** Vanhin Suomesta tunnettu lääkeopillinen kirjoitus. Duodecim, Helsin., 1944, **60**: 210–22.—**Fosseyeux, M.** Les hôpitaux en France, du moyen âge à nos jours. Hippocrate, Par., 1939, **7**: 257; 346.—**Garcia del Real, E.** Algunos médicos y cirujanos notables de los siglos 13 y 14. Siglo méd., 1933, **92**: 437; passim.—**Guillot.** Une consultation en l'an 1460, sous le règne de Philippe-le-Bon, Duc de Bourgogne. Bull. Soc. pharm. Côte d'Or, 1885, No. 4, 64–70. —— Un cas d'exercice illégal de la médecine et de la pharmacie à Dijon, 1438, 9 août. Ibid., 1887, No. 5, 82–4.—**Irsay, I.** Teachers and textbooks of medicine in the medieval University of Paris. Ann. M. Hist., 1926, **8**: 234–9.—**Karsner, H. T.** Notes on medieval guilds of medicine. J. Maine M. Ass., 1943, **34**: 103–6.—**Mayer, C. F.** Orvosok és patikusok bünei a xv. században [Sins of physicians and pharmacists in the 15. century] Orv. hetil., 1925, **69**: 937. —— Az orvosok müveltsége és tekintélye a xii.–xvi. században [Culture and reputation of the physicians in the 12.–16. centuries] Ibid., 1012–4.—**Medical** students and their studies in the Middle Ages. Nurs. Times, Lond., 1950, **46**: 117–20, illust.—**Monjardino, J.** Na idade média. Impr. méd., Lisb., 1940, **6**: 192–5.—**Mousson-Lanauze.** Les chirurgiens italiens en France au moyen-âge. Paris méd., 1920, **36**: annexe, 40.—**Nasalli Rocca, E.** La preghiera collettiva dei malati negli ospedali medioevali e particolarmente negli ospedali gerosolimitani. Atti Accad. stor. arte san., 1941, **7**: 173–9.—**Pinsolle, S.** Le plus ancien document sur les apothicaires champenois, 1248. In her Contrib. hist. pharm. Champagne, La Carenne, 1937, 15–7, pl.—**Ravon, E.** La vie médicale en France à travers les siècles; prérenaissance du 13. siècle. Loire méd., 1937, **51**: 212; passim.—**Roemisch, B.** Die deutschen Wundärzte im mittelalterlichen Dänemark. Hippokrates, Stuttg., 1943, **14**: 364–6.—**Sigerist, H. E.** Sidelights on the practice of medieval surgeons. Fed. Bull., Chic., 1935, **21**: No. 10, 292–6.—**Singer, C.** Sketches in the history of English medicine; dawn; Celtic and Anglo-Saxon medical and pharmaceutical practice from the 9. to the 13. centuries. Chemist & Druggist, Lond., 1928, **108**: 823–32, illust.—**Some** masters of mediaeval surgery. Hospital, Lond., 1917–18, **63**: 335.—**Todd, T. W.** The medieval physician. Ann. M. Hist., 1929, n. ser., **1**: 615–28.—**Torretta, P.** Une pharmacie du moyen âge. Paris méd., 1911–12, No. 50, p. xvii–xix.—**Underwood, E. A.** Some surgeons of the Middle Ages. Health Educ. J., Lond., 1949, **7**: 112, pl.—**V.** Sektionen im mittelalterlichen Abendland. Med. Klin., Berl., 1940, **36**: 1205.—**Walsh, J. J.** The professional spirit in the Middle Ages. Bull. Acad. M. Cleveland, 1929, **13**: 23–30.—**Welborn, M. C.** The errors of the doctors according to Friar Roger Bacon of the Minor Order. Isis, Bruges, 1932, **18**: No. 52, 26–62.—**Wickersheimer, E.** Médecins et chirurgiens dans les hôpitaux du moyen âge. Janus, Leiden, 1928, **32**: 1–11.

—— Salernitan culture.

See also **Salerno.**

ACKERMANN, J. C. G. Das medizinische Lehrgedicht der Hohen Schule zu Salerno (Regimen Sanitatis Salerni) aus dem Lateinischen ins Deutsche übertragen von P. Tesdorpf und T. Tesdorpf-Sickenberger. 95p. 12° Berl., 1915.

BECK, C. H. *Studien über Gestalt und Ursprung des Circa Instans, durchgeführt an den drei ältesten bisher bekannten Handschriften [Berlin] 63p. 23cm. Würzb.-Aumühle, 1940.

CODEX SALERNITANUS (COD. 1302, BRESLAU) De nominibus herbarum et specierum et morborum et aliorum que autonomas ponuntur (f. 130v–138v) ed. by H. O. K. Balzli. p.3–21. 28½cm. Lpz., 1931.
In: Stud. Gesch. Med., H. 21.

COLOMBO, A. Le regole sanitarie della scuola medica Salernitana. 2. ed. 721p. 17½cm. Milano, 1939.

GIACOSA, P. Magistri Salernitani nondum editi; catalogo ragionato della Esposizione di storia della medicina aperta in Torino nel 1898. 723p. 8° Tor., 1901.

MOELLER. L'école de Salerne et les médecins du moyen-âge d'après le Professeur von Ziemssen. 26p. 8° Louvain, 1878.

MÜLLER, E. *Der Traktat Liber iste, die sogenannten Glossae Platearii, aus dem Breslauer Codex Salernitanus. 56p. 23cm. Würzb., 1942.

REGIMEN SANITATIS SALERNITANUM; a cura di G. Barbensi. x, 27p., 22 cm., Fir., 1947.

Reinhardt, M. G. H. *Auszug aus der Abhandlung; cin Tractat über Arzneiwässer, nach ihren Wirkungen zusammengestellt, aus dem Breslauer Codex Salernitanus zum ersten Male herausgegeben und mit dem Texte eines Codex aus der Biblioteca Angelica zu Rom verglichen (Ausz.) [Leipzig] 22p. 8°. Freib., i. S., 1921.

Schlenkermann, E. *Ein Traktat über äusserlich anzuwendende Heilmittel (Umschläge, Salben, Streupulver) aus dem Breslauer Codex Salernitanus [Leipzig] 35p. 8°. Zeulenroda-Thür. [n. d.]

Sudhoff, K. Zum Regimen Sanitatis Salernitanum. [v. p.] 8° Lpz., 1914–20.

In: Arch. Gesch. Med., 1914, 7: 360; 1915, 8: 292; 1915–16, 9: 221; 1917, 10: 91; 1920, 12: 149.

Ullmann, M. A. *Geflügel, Eier, Fische, Früchte und Gemüse im Circa instans des Codex Salernitanus in Breslau [Breslau] 26p. 8° Oschatz, 1926.

Van den Berg, W. S. Eene Middelnederlandsche vertaling van het Antidotarium Nicolaï (Ms. 15624–15641 Kon. Bibl. te Brussels) met den latijnschen tekst der eerste gedrukte utg. van het Antidotarium Nicholaï. 278p. 8° Leiden, 1917.

Wiberg, J. Laegeskolen i Salerno; medicinsk-historisk studie. 94p. 20 cm. Kbh., 1940.

B., E. La Scuola di Salerno e i suoi fondamentali precetti d'igiene. Gazz. san., 1949, **20**: 132–4.—**Bellelli, F.** Grandezza e decadenza della Scuola di Salerno. Riforma med., 1942, **58**: 19–24, illust.—**Bizzarini, G.** Le regole sanitarie della Scuola medica salernitana; l'Italia maestra, sempre, di civiltà e di sapere la medicina che torna alle sue fonti più pure. Riv. Soc. ital. igiene, 1940, **62**: 108–10.—**Breslin, E.** The School of Salerno. Univ. Toronto M. J., 1926–27, **4**: 138–40.—**Brunns, W. v.** Salerno. Münch. med. Wschr., 1942, **89**: 205.—**Byrne, J. M., Donnelty, H.** [et al.] Salerno. Australas. J. Pharm., 1943, **24**: 553.—**Cantarella, R.** Una tradizione ippocratica nella Scuola Salernitana: il giuramento dei medici. Archeion, Roma, 1933, **15**: 305–20.—**Capparoni, P.** Regimen sanitatis, flos medicinae Salerni; traduzione e note di Andrea Sinno [Bk rev.] Atti Accad. stor. arte san., 1942, **8**: 67–72.—**Castiglioni, A.** The School of Salerno. Bull. Inst. Hist. M., Balt., 1938, **6**: 883–98.—**Chevalier, A. G.** Salerno. Ciba Zschr., Basel, 1937–38, **5**: 1918–44. ——— Das Regimen Sanitatis Salernitanum. Ibid., 1931–8. ——— Der Salernitaner Arzt. Ibid., 1940–4. ——— Die ersten deutschen Uebersetzungen des Regimen Sanitatis Salernitatum. Ibid., 1945. ——— The beginnings of the School of Salerno. Ciba Symposia, 1943–44, **5**: 1719–24. ——— The Salernitan physician. Ibid., 1738–42. ——— The rediscovery of the School of Salerno. Ibid., 1744.—**Chronological** (A) history of Salerno. Ibid., 1718.—**Corner, G. W.** The rise of medicine at Salerno in the 12. century. Ann. M. Hist., 1931, n. ser., **3**: 1–16. Also in: Lect. Hist. Med. (1926–32) Phila., 1933, 371–99. ——— On early Salernitan surgery and especially the Bamberg surgery. Bull. Inst. Hist. M., Balt., 1937, **5**: 1–32, 5 facs. ——— Salernitan surgery in the 12. century. Brit. J. Surg., 1937, **25**: 84–99.—**Creutz, R.** Die Hochblüte der Schule von Salerno im 12. Jahrhundert und ihre Koryphäen. Med. Welt, 1935, **9**: 1566–70. ——— Der Magister Copho und seine Stellung im Hochsalerno. Sudhoffs Arch., 1938, **31**: 51–60. ——— Wer ist der Verfasser des Regimen Sanitatis Salernitanum? Ciba Zschr., Basel, 1938–39, **6**: 2487. ——— Die Gründung der Schule von Salerno und das Frühsalerno. Med. Welt, 1940, **14**: 1279–82.—**Ecole** (L') de Salerne. Année sc. indust., Par., 1862, **6**: 322–8.—**Einaudi, C.** I precetti medici della Scuola Salernitana. Igiene & vita, Roma, 1926, **9**: 9–11.—**Fergus, J. F.** The School of Salerno and its Regimen Sanitatis. Proc. R. Philos. Soc. Glasgow, 1926–27, **55**: 96–130. ——— The School of Salerno. Tr. R. Med. Chir. Soc. Glasgow, 1929, **22**: 160–98. Also Glasgow M. J., 1929, **111**: 1; 86.—**Froehner, R.** Die Eigenschaften verschiedener Fleischsorten nach der Diaeta Theodori medici. Deut. tierärztl. Wschr., 1941, **49**: 459.—**Giuliani, G. M.** Chirurghi preciani e norcini e loro rapporti con la Scuola di Salerno e l'ordine di S. Benedetto. Accad. med., Tor., 1949, **64**: 181. Also Chir. ital., 1949, **3**: 331–6.—**Grassi, G.** La chirurgia cranica nella Rolandina. Gazz. internaz. med. chir., 1941, **50**: 108–11.—**Hauberg, P.** [Influence of Salerno on Danish medical literature] Arch. pharm., Kbh., 1928, **35**: 22–8.—**Helme, F.** L'Ecole de Salerne. Presse méd., 1910, **18**: annex, 282–5.—**Idelberger, K.** Die medizinische Hochschule zu Salerno im Mittelalter. Med. Welt, 1932, **6**: 722.—**[Influence** of Salernitan writings on Scandinavian literature] Arch. pharm., Kbh., 1928, **35**: 71.—**Kristeller, P. O.** The School of Salerno; its development and its contribution to the history of learning. Bull. Hist. M., 1945, **17**: 138–94.—**Lejeune, F.** Die mittelalterlichen Regimina Sanitatis. Zschr. Altersforsch., 1941, **3**: 171.—**Leveen, J.** A pharmaceutical fragment of the 10. century in Hebrew, by Shabbethai Donnolo. Proc. R. Soc. M., Lond., 1927–28, **21**: Sect. Hist. M., 67–70.—**López Prior, A.** La Escuela de Salerno; su significación en la historia de la medicina y de la farmacia. Actual. méd., Granada, 1947, **33**: 303–9.—**Magister Minervinus.** De sanitate tuenda. In: Malati medici medicine, 1947, **16**: No. 2, 5.—**Medical** (The) School of Salerno, 848 A. D.–1811 A. D. U. S. Nav. M. Bull., 1918, **12**: 225–42.—**Micheloni, P.** La Anatomia porci di Maestro Cofone salernitano. Progr. ter. (Riv.) Milano, 1949, **34**: 97–104.—**Mieli, A.** Premières transmissions de la science arabe à l'Occident chrétien; l'Ecole de Salerno et Constantin l'Africain. In his Science arabe, Leiden, 1938. 219–23.—**Mitchell, R.** Salerno; past and present. Hist. Bull., Calgary, 1945–46, **10**: 51–4.—**Moll, H. H.** The School of Salernum. Univ. Leeds M. Soc. Mag., 1934, **4**: 92–5.—**Monte Cassino** and Salerno; two early Italian medical centers. Clin. Excerpts, N. Y., 1944, **18**: 131–40.—**Oehm, A.** Wandering and musing about Salerno and Monte Cassino. Med. Life, 1927, **34**: 198–217.—**Petella, G.** La scuola medica di Salerno (a proposito di un manuale di dietetica dell'anno 1100) Ann. med. nav., Roma, 1922, **1**: 48–56.—**Poletti, E. M.** La Scuola Salernitana. In his Storia d. pens. med. ital., Roma, 1942, 113–20.—**Reichborn-Kjennerud, I.** [The School of Salerno and surgery in saga times] Norsk. mag. laegevid., 1935, **96**: 793–817. ——— & **Tjomsland, A.** The School of Salerno and surgery in the North during the Saga age. Ann. M. Hist., 1937, **9**: 321–37.—**Riedl, L.** Osobnosti školy salernské. Cas. lék. česk., 1942, **81**: 863.—**Ruiz Moreno, A.** El primer texto anatómico de la Escuela de Salerno. Sem. méd., B. Air., 1941, **48**: pt 1, 1210–2.—**S., C.** Salerno; its medical school and its medical legends. Brit. M. J., 1943, **2**: 402.—**Salerno.** Virginia M. Month., 1943, **70**: 586–8. Also Manitoba M. Ass. Rev., 1945, **25**: 283–7.—**Scalinci, N.** Il contenuto salernitano negli scritti su le malattie oculari di Pietro Ispano e di Arnaldo da Villanova. Rass. clin. ter., 1937, **36**: Suppl., 54–75.—**Sigerist, H. E.** A Salernitan student's surgical notebook. Bull. Hist. M., 1943, **14**: 505–16.—**Silvette, H.** Some bibliographical notes and queries on Philemon Holland's translation of the Regimen Sanitatis Salerni. Isis, Bruges, 1939–40, **31**: 305–8.—**Singer, C.** A legend of Salerno; how Constantine the African brought the art of medicine to the Christians. Bull. Johns Hopkins Hosp., 1917, **28**: 64–9, 2 pl.—**Starkenstein, W.** Ein Beitrag zur Circa instans-Frage (auf Grund von zwei neu aufgefundenen mittelalterlichen Handschriften des Liber de simplicibus medicinae) Sudhoffs Arch., 1934–35, **27**: 370–81.—**Sudhoff, K.** Die Salernitaner Handschrift in Breslau (ein Corpus medicinae Salerni) Arch. Gesch. Med., 1920, **12**: 101–48, pl. ——— Nochmals die beiden Schreiber des Breslauer Codex Salernitatus (Stadtbibliothek) Ibid., 191. ——— Salerno. Münch. med. Wschr., 1920, **67**: 1301. ——— Ein Handschriftenfund zur Frage der Beziehungen von Montpellier zu Salerno um 1200. Ibid., 1927, **74**: 1900. ——— Salerno, eine mittelalterliche Heil- und Lehrstelle am Tyrrhenischen Meere. Sudhoffs Arch., 1929, **21**: 43–62. ——— Konstantin der Afrikaner und die Medizinschule von Salerno. Ibid., 1930, **23**: 293–8.—**Tellesson, W. G.** The Salerne School. Sydney Univ. M. J., 1949, **39**: Nov., 60–6.—**Tesdorpf, P. H.** Deutsche Uebertragungen aus den Additamenta Regimen Sanitatis Salerni nebst Mitteilungen über die Verbreitung des Regimen in Norwegen, Dänemark, Schweden und Finnland. Janus, Leiden, 1934, **38**: 223–40.—**Thérapeutique** (La) de l'Ecole de Salerne (12. siècle) Rev. gén. clin. thér., 1918, **32**: Suppl., p. cdxxv.—**Underwood, E. A.** The School of Salerno. Health Educ. J., Lond., 1949, **7**: 33.—**Vaccaro, L. S.** The School of Salerno. Med. Life, 1929, **36**: 271–84. ——— The Abbey of Monte Cassino and the School of Salerno; ancient beacons of medical learning. Med. World, Phila., 1944, **62**: 168–71.—**Van Driessche, A.** Spreuken uit en naar de School van Salerno. Belg. tschr. geneesk., 1948, **4**: 19; passim.—**Wickersheimer, E.** Note sur les oeuvres médicales d'Alphane, Archevêque de Salerne. Janus, Leiden, 1930, **34**: 273–8.

—— Science [incl. medicine]

Acker, A. A. *Raymond Lulle et le remède universel. 64p. 24cm. Par., 1946.

Crump, C. G., & Jacob, E. F. The legacy of the Middle Ages. 549p. 19cm. Oxf., 1938.

Langlois, C. V. La connaissance de la nature et du monde au moyen âge; d'après quelques écrits français à l'usage des laïcs. 400p. 8°. Par., 1911.

Mayer, C. F. Die Personallehre in der Naturphilosophie von Albertus Magnus. p.191–257. 8° Lpz., 1929.

Also Kyklos, Lpz., 1929, **2**:

Møller-Christensen, V. Middelalderens laegekunst i Danmark. 247p. 24½cm. Kbh., 1944.

In: Acta hist. sc. natur. med., Kbh., 1944, **3**:

Sarton, G. Introduction to the history of science. 3v. in 5. 4° Balt., 1945–48.

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v.1. From Homer to Omar Khayyam.
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THORNDIKE, L. A history of magic and experimental science. 6v. 8° N. Y., 1923–41.

—— Science and thought in the 15. century. 387p. 23½cm. N. Y., 1929.

WALSH, G. G. Medieval humanism. 103p. 19½cm. N. Y., 1942.

Barbosa Sueiro, M. B. La rénovation de l'étude de l'anatomie humaine aux 13., 14., et 15. siècles. Arq. anat., 1937, **18**: 175–99.—**Bologna** and the beginnings of anatomy. Brit. M. J., 1944, **2**: 509.—**Brown, A.** The renaissance of surgery in Europe toward the close of the Middle Ages. Colorado M., 1928, **25**: 3–8.—**Chapple, I. L.** Some aspects of mediaeval physiology. Trephine, Brisbane, 1946, **2**: 93–7.—**Chronologische** tabel over de geschiedenis der anatomie in de oudheid en in de middeleeuwen. Ciba tschr., 1948, 1098.—**Clagett, M.** Giovanni Marliani and late medieval physics [Bk rev. by Durand, D. B.] Isis, Menasha, 1942–43, **34**: 166–8. ——— Some general aspects of physics in the Middle Ages. Ibid., 1948–49, **39**: 29–44.—**Dalmases, V.** Renacimiento de la disección anatómica y Mondino de Luzzi. Rev. As. méd. argent., 1945, **59**: 493–7.—**Diepgen, P.** Medizinisches aus theologischen Schriften des Mittelalters. Med. Klin., Berl., 1913, **9**: 80; passim.—**Dieulafé, R.** La chirurgie française au 13. siècle. J. prat., Par., 1949, **63**: Suppl., 186; passim.—**Funkhouser, H. G.** A note on a tenth century graph. In: Osiris, Bruges, 1936, **1**: 260–2.—**Garland, J.** Medicine of the Moslem Empire. In his Story of Med., Bost., 1949, 50–6.—**Gessler, J.** Médecins et chirurgiens d'après les manuels de conversation du 14. et du 15. siècle. Janus, Leiden, 1932, **36**: 311–7.—**Goldschmidt, G.** Ueber die Natur des Menschen. Gesnerus, Aarau, 1947, **4**: 85–98.—**Grabmann, M.** Der deutsche Anteil am Aristotelismus des Mittelalters. Forsch. & Fortsch., 1941, **17**: 320.—**Herpin, A.** A propos de l'enseignement de l'anatomie au moyen âge. Mém. Soc. fr. hist. méd., 1947, **3**: 101–4.—**Hintzsche, E.** Investigações anatômicas no Ocidente medieval. Actas Ciba, Rio, 1947, **14**: 96–108. ——— Anatomische onderzoekingen in het middeleeuwse Avondland. Ciba tschr., 1948, 1114–26.—**Holmqvist, W.** Medeltida munkkirurgi. Sven. läk. tidn., 1941, **38**: 2468–75.—**Isager, K.** Die mittelalterliche Medizin und der Norden. In his Krankenfürs. dän. Zisterzien. Øm, Kbh., 1941, 117–25.—**Islam** et la science; passé et avenir. Endeavour, Lond., 1945, **4**: 1.—**Johnsson, J. W. S.** Neuere Funde betreffend die dänische Medizin im Mittelalter. Mitt. Gesch. Med. Naturwiss., 1913, **12**: 582.—**Lippmann, E. O.** Chemisches und technologisches bei Dante. Arch. stor. sc., 1922, **2**: 45–56.—**Mayer, C. F.** Az orvosi astrologiáról [Medical astrology] Orv. hetil., 1927, **71**: 913–5.—**Mieli, A.** La décadence des 12. et 13. siècles en Orient; chimistes et alchimistes. In his Science arabe, Leiden, 1938, 155–8. ——— La décadence des 12. et 13. siècles en Orient; médecins. Ibid., 162–6. ——— L'âge d'or de la science arabo-ibérique; pharmacologues, botanistes et historiens. Ibid., 205–7. ——— Le déclin de la science arabo-ibérique; botanique et pharmacologie. Ibid., 212–4. ——— Le déclin de la science arabo-ibérique; médecine et histoire. Ibid., 214–6. ——— El desarrollo de la ciencia islámica según un historiador musulmán del siglo 14. Archeion, Santa Fé, 1942, **24**: 82–96.—**Nimeh, W.** La contribución de los Arabes a la cirujía. Proc. Internat. Coll. Surgeons (1941) 1943, 3. Congr., 279–86.—**Pazzini, A.** L'anatomia nei crocifissi dei secoli 12. e 13. e un'ipotesi di fisio-patologia. Gazz. san., 1949, **20**: 62–5.—**Ping, L. G.** Medicine in ancient Ireland with a brief outline of developments in the Middle Ages. Chemist & Druggist, Lond., 1935, **122**: 811–8, illust.—**Podolsky, E.** Pharmacy during the Middle Ages. Med. J. & Rec., 1929, **129**: 340–2.—**Quadro** cronológico da história da anatomia na idade antiga e na idade média. Actas Ciba, Rio, 1947, **14**: 78.—**Ricci, J. V.** The mediaeval finale and the beginnings of anatomy of the female genitalia. In his Geneal. of Gyn., Phila., 1943, 265–75.—**Roderick, H. B.** The history of surgery; the Muhammedan period. Cambridge Univ. M. Soc. Mag., 1929, **6**: 77–86.—**Sarton, G.** La transmission au monde moderne de la science ancienne et médiévale. Rev. hist. sc., Par., 1948–49, **2**: 101–38.—**Simili, A.** Contributi, celebrità e stipendi dei lettori di medicina e chirurgia nello studio di Bologna dal 1460 al 1500. Med. internaz., Milano, 1942, **50**: 62–8, illust.—**Singer, C.** A modernist's view of mediaeval science. Ann. M. Hist., 1917, **1**: 435.—**Stegmann, O.** Die Anschauungen des Mittelalters über die endogenen Erscheinungen der Erde. Arch. Gesch. Naturwiss., 1913, **4**: 328; 409.—**Streeter, E. C.** Cultural factors influencing science in the pre-Renaissance. Bull. Med. Chir. Fac. Maryland, 1920–21, **13**: 2–8.—**Sypkens Smit, J. H.** Pathologie en chirurgie in de Middeleeuwen. Ned. tschr. geneesk., 1942, **86**: 2236–8.—**Thompson, C. J. S.** Chirurgie anglo-saxonne. Liber mem. Congr. hist. art de guérir (1920) 1921, 1. Congr., 61–4, pl.—**Turner, C. W.** Einflüsse des Islam und seiner Medizin auf das Abendland. Ciba Zschr., Basel, 1934–35, **2**: 509–14.—**Underwood, E. A.** The rise of anatomy in the Middle Ages. Health Educ. J., Lond., 1949, **7**: 81, pl.—**Van de Vyver, A.** L'évolution scientifique du haut moyen âge. Archeion, Roma, 1937, **19**: 12–20.—**Van Wyck, H. B.** Mediaeval medicine and its age. Univ. Toronto M. J., 1949–50, **27**: 169–75.—**Walsh, J. J.** Science at the medieval universities. Pop. Sc. Month., 1911, **81**: 445–59. ——— Medieval science and surgery. Linacre Q., 1933, **1**: No. 3, 48–50.—**Wellcome, H. S.** Anglo-Saxon pharmacy and herb-lore. In his Anglosax. Leechcraft, Lond., 1912, 81–90.—**Wickersheimer, E.** Anatomy in the Middle Ages. Med. J. & Rec., 1928, **127**: 385; 448.—**Withington, E. T.** Mediaeval science. Brit. M. J., 1921, **2**: 489.

—— Sociological aspect.

JARRETT, B. Social theories of the Middle Ages, 1200–1500. 2. print. 280p. 23cm. Westminster, Md, 1942.

Barraud. La vie charitable et médicale au moyen âge. J. prat., Par., 1948, **62**: Suppl., 670; passim.—**Chaumartin, H.** De l'état de la société médiévale; perturbations sociales et dérèglements atmosphériques qui marquèrent cette période. In his Mal des ardents, Par., 1946, 141–8.—**Krekel, H.** Middeleeuwsche en moderne gemeenschapsorde. Ned. tschr. psychol., 1934–35, **2**: 42–60.—**Sapori, A.** I precedenti della previdenza sociale nel medioevo. Assicur. sociali, 1939, **15**: 18–31.

MIDDLEBROOKE, Herbert Edwin, 1882–1948.

For obituary see Brit. M. J., 1948, **1**: 710.

MIDDLEBROOKS, John Raymond, 1889–1921.

For obituary see J. Am. M. Ass., 1922, **78**: 140.

MIDDLEBURY College [Middlebury, Vt]

Waite, F. C. Three episodes in medical education at Middlebury college (1810–37) N. England J. M., 1932, **206**: 729–35.

MIDDLE class.

See also **Group, Organization; Sociology; Welfare.** See also such headings as **Birth-rate; Communism; Community; Culture; Economics; Education** (secondary and higher; Social aspect) **Environment; Family; Income; Medical care; Occupation; Relief;** also names of middle-class occupations as **Engineer; Lawyer; Physician,** etc.

Bertrand, R. Nouveaux riches et nouveaux pauvres. Psyché, Par., 1947, **2**: 183–90.—**Clark, R. E.** Psychoses, income, and occupational prestige. Am. J. Sociol., 1948–49, **54**: 433–40.—**Cost** of raising a child in higher income families. Statist. Bull. Metrop. Life Insur., 1944, **25**: 9.—**Cowdery, K. M.** An evaluation of the expressed attitudes of members of three professions (medical, engineering, and legal) Abstr. Diss. Stanford Univ., 1924–26, **1**: 11–9.—**Lotze, R.** Die Ueberfüllung der akademischen Berufe; ihre volksbiologischen Ursachen und eugenische Folgen. Eugenik, Berl., 1931–32, **2**: 34–40.—**Pütter, E.** Der Mittelstand und seine soziale Fürsorge. Zschr. Krankenpfl., 1919, **41**: 3–12.—**Schmitz, O. A. H.** Der Zerfall des bürgerlichen Menschen. Zschr. Menschenk., 1929, **5**: 73–81.—**Schottlaender, F.** Kleinbürgerliches Inferno. In his Mutter als Schicksal, Stuttg., 1947, 119–43.—**Smith, C. C.** The white collar fallacy. Occupations, 1941–42, **20**: 442–4.—**Suárez de Mendoza.** Introduction aux statuts de l'Union internationale pour le sauvetage des intelligences d'élite en détresse. Arch. méd. chir. spéc., Par., 1908, **9**: 169–77.—**Wallace, J. M., jr, Williams, F. W., & Cantril, H.** Identification of occupational groups with economic and social class. J. Abnorm. Psychol., 1944, **39**: 482–5.—**Wassermann, R.** Die Besteuerung der freien geistigen Berufe. Münch. med. Wschr., 1925, **72**: 819.

MIDDLEDITCH, Alvarado. Doctor's advice; or, How, when and what to eat and drink. xiv, 544p. 8° Phila., P. W. Wiegler & Co., 1898.

MIDDLE ear.

See also **Ear; Ear, nose and throat; Eustachian tube; Labyrinth; Mastoid; Petrous bone; Temporal bone.**

ARDOUIN, P. A. L'oreille moyenne; anatomie et histologie comparées. 179p. 25cm. Par., 1941.

Burlet, H. M. de. Die mittlere Ohrsphäre. In: Handb. vergl. Anat. (Bolk, L., et al.) Berl., 1934, **2**: 1381–432.—**Eggers, F.** Tympanale Gehörorgane bei Schmetterlingen. Forsch. & Fortsch., 1934, **10**: 361–3.—**Gohrbandt, I.** Das Tympanalorgan der Drepaniden und der Cymatophoriden; zugleich ein Beitrag zur vergleichenden Morphologie und Histologie der Lepidopteren. Zschr. wiss. Zool., 1936–37, **149**: 537–600. ——— Ein neuer Typus des Tympanalorgans der Syntomiden. Zool. Anz., 1939, **126**: 107–16.—**Hildebrandt, H.** Das Mittelohr des Elefanten. Beitr. Anat. Ohr., 1925, **22**: 121–40.—**Holz, K.** Vergleichende anatomische und topographische Studien über das Mittelohr der Säugetiere. C. rend. Ass. anat., 1930, **25**: 357.—**Schwarzbart, A.** New otological views. J. Lar. Otol., Lond., 1944, **59**: 47–61.—**Sewall, E. C.**

The middle ear. Progr. Med., Phila., 1924, 1: 248–54.—**Sick, H.** Die Tympanalorgane der Uraniden und Epiplemiden. Zool. Jahrb., Abt. Anat., 1937, 63: 351–98.—**Stadtmüller, F.** Varianten im Mittelohrgebiet bei Bombinator (Columella auris, Hyalbogenspange, Tuba auditiva) Morph. Jahrb., 1931, 66: Teil 1, 196–219.—**Walker, F. I.** [Surgical anatomy of the middle ear and its additional cavities] Jubil. sborn. Grekova, 1921, 221–8.—**Westoll, T. S.** The hyomandibular of Eusthenopteron and the tetrapod middle ear. Proc. R. Soc., Lond., ser. B, 1942–43, 131: 393–414. ——— The mammalian middle ear. Nature, Lond., 1945, 155: 114.—**Wotzel, F.** Zur Kenntnis der Tympanalorgane der Hydrocores. Zschr. wiss. Zool., 1933, 143: 241–62.—**Yates, A. L.** The anatomy of the middle ear. Proc. R. Soc. M., Lond., 1935–36, 29: 837–40, 20 pl.

—— Abnormities.

See also other subdivisions (Aplasia; Muscle, supernumerary, etc.)

Russo-Frattasi, G. Rara anomalia dell'orecchio medio in disostosi cleido-cranica. Otorinolar. ital., 1934, 4: 484–502.—**Sendulski, I.** Entzündung bei Mittelohrmissbildung. Mschr. Ohrenh., Wien, 1931, 65: 454–9.

—— Absorption from.

Ross, E. L., & Rawson, R. W. Absorption from the middle ear. Arch. Otolar., Chic., 1935, 22: 312–6.—**Zalewski, T.** Experimentelle Untersuchungen über die Resorptionsfähigkeit der Trommelhöhle. Mschr. Ohrenh., Berl., 1917, 51: 9–23.

—— Actinomycosis.

Hegemann, F. *Aktinomykose des Mittelohres [Erlangen] 24p. 8° Essen-Altenessen, 1933.

Cann, L. W., & Hollis, G. J. A case of actinomycotic cerebrospinal meningitis associated with aural actinomycosis. Lancet, Lond., 1931, 1: 130.—**Odom, S. G., Rodenberg, E. J., & Schain, P.** Streptomyces (actinomyces) albus in the ear. Arch. Otolar., Chic., 1944, 39: 137–43.—**Rockemer, K., & Wirth, E.** Bakteriologische und histologische Untersuchungen eines Falles von nichtdruscnbildender Ohraktinomykose mit Kleinhirnabszess. Beitr. Anat. Ohr., 1928, 27: 10–20, pl.—**Täcktö, L.** Något om aktinomykos i örat i anslutning till ett fall. Nord. med., 1941, 12: 3366–9. Also Engl. transl., Acta otolar., Stockh., 1942, 30: 363–72.—**Takahara, S.** Experimentelle Studien über die Aktinomykose des Ohres. Jap. J. M. Sc., Otorhinolar., 1939–40, 3: No. 2, Proc., 3.—**Townrow, V., & Barrie, H. J.** Fatal actinomyces infection of the middle ear. J. Lar. Otol., Lond., 1945, 60: 329, pl.

—— Aditus ad antrum.

Oezan, V. Un cas de double aditus. Ann. otolar., Par., 1937, 844.—**Suehiro, E.** Nyūyō-dō iriguti no keitaigaku-teki kansatu narabi-ni sono rinsyō-teki igi ni tuite [Morphological studies of the entrance to the mastoid antrum, and their clinical significance] Zibiinkoka rinsyo, 1943, 38: 628–32.

—— Allergy.

See also subdivision Hydrotympanum; also **Middle-ear inflammation.**

Dohlman, G. Allergiska processer i mellanörat. Nord. med., 1943, 17: 224–6. Also Engl. transl., Acta otolar., Stockh., 1944, 32: 292–9.—**Koch, H.** Allergy in the middle ear. In: Fortsch. Allergie (Kallós, P.) Basel, 1949, 2: 134–66, illust.—**Pildner v. Steinburg, K.** Gibt es eine allergische Erkrankung der Schleimhaut des Mittelohres? Wien. med. Wschr., 1942, 92: 130.—**Proetz, A. W.** Allergy in the middle and the internal ear. Ann. Otol. Rhinol., 1931, 40: 67–76.—**Smirnov, P. P.** Importance de l'allergie pour l'oreille moyenne, d'après les données expérimentales. Acta otolar., Stockh., 1937, 25: 568–78.—**Staffieri, M.** Introduzione allo studio dell'allergia dell'orecchio medio. Minerva med., Tor., 1947, 38: 530.

—— Anesthesia.

See also subdivision Surgery.

Mangabeira Albernaz, P. Da anesthesia cirúrgica do tympano. Brasil med., 1928, 42: 63–8.—**Unger, M.** Cocainizing the tympanum via the eustachian tube; a new method. Arch. Otolar., Chic., 1947, 45: 693–6.

—— Aneurysm and arteriovenous fistula.

Smith, F. Congenital arteriovenous fistula in the tympanum. Arch. Otolar., Chic., 1929, 10: 32–8.—**Takahara, S., & Ryōzi, Y.** Kiyū-naru kositu-nai dōzyōmyaku-ryū no iti rei [rare case of arteriovenous aneurysm in the tympanic cavity] Zibiinkoka rinsyo, 1940, 35: 278–84.

—— Angioma.

See also **Cerebral nerves,** Paralysis: Causes.

Svartman, J. *Angiome de l'oreille moyenne. 48p. 8° Par., 1932.

Bergara, R., & Bergara, C. Angioma primitivo del oído medio. Rev. As. méd. argent., 1933, 46: 3192–8, 2 pl.—**Bourgeois, H.** Angiome de l'oreille moyenne. Arch. ital. otol., 1933, 45: 24–31.—**Carrea, R. M. E., & Insausti, T.** Angioma originado en el oído medio con lesión unilateral de V, VII, VIII, IX, X, XI y XII pares craneanos. Rev. As. méd. argent., 1943, 57: 281–6. Also Arch. neurocir., B. Air., 1944, 1: 67–82, Disc., 89.—**Falk, G.** Zur Kenntnis des Angioms des Mittelohres. Acta otolar., Stockh., 1943, 31: 436–43.—**Hampton, A. O., & Sampson, D. A.** Roentgen diagnosis and treatment of angioma of the tympanic cavity. Am. J. Roentg., 1939, 41: 25–31.—**Jeschek, J.** Ueber Blutgefässgeschwülste des Gehörganges und des Mittelohres. Mschr. Ohrenh., Wien, 1936, 70: 1297–302.—**Jones, J. A.** Hæmangioma of the tympanic cavity. J. Lar. Otol., Lond., 1930, 45: 265.—**Ramadier.** Un faux aspect d'angiome de la caisse. Ann. otolar., Par., 1939, 597.—**Regules, P.** Tumores vasculares del oído medio. Comun. Congr. sudamer. otorrinolar. (1944) 1945, 2. Congr., 2: 121–6.—**Thévoz.** Présentation d'un cas d'hémangiome de l'oreille moyenne. Schweiz. med. Wschr., 1943, 73: 106.—**Trutnev, V. K., & Borshchev, K. G.** [Vascular tumor of the tympanum] In: Jubil. otorinolar. sborn. posv. A. N. Zimin (Novosibirsk. Inst. usoversh. vrachei) Novosibirsk, 1933, 152–4.

—— Antrum.

See also subdivision Epitympanic recess; also **Mastoid.**

Suehiro, K. Nyūyō dōnyūkō ni tuite. Zibiinkoka rinsyo, 1942, 37: 873.

—— Anulus tympanicus.

See **Middle-ear drumhead.**

—— Aplasia.

See also subdivision Abnormities.

Greig, D. M. Congenital absence of the tympanic element of both temporal bones. J. Lar. Otol., Lond., 1927, 42: 309–14, 2 pl.—**Marinho Filho, R.** Ausencia da camada cuticular e dérmica do tímpano. Rev. brasil. otorinolar., 1942, 10: 740.—**Rouget, J., & Cottenot.** Absence congénitale de l'oreille moyenne; examen stéréoradiographique. Ann. otolar., Par., 1935, 1260.

—— artificial.

See subheading Prosthesis.

—— Aviation aspect.

See also **Aviator,** Ear and equilibrium; **Middle-ear inflammation,** Aerootitis; also other subdivisions (Injury: Barotrauma; Pressure, etc.)

Armstrong, H. C., & Heim, J. W. The effect of flight on the middle ear. J. Am. M. Ass., 1937, 109: 417–21.—**Effect** of flight on the middle ear. Lancet, Lond., 1937, 2: 1028.—**Mikhlin, E. G.** Znachenie anatomicheskogo sostoianiia barabannykh pereponok i prokhodimosti evstakhievykh trub pri poletakh na razlichnykh vysotakh. Voen. san. delo, 1941, No. 1, 54–8.—**Zasosov, P. A.** O barofunkcii ukha. Ibid., 19.

—— Bacteriology.

For bacteriology of diseases see subheadings (Disease: Etiology; Injuries, etc.) also **Middle-ear inflammation,** Bacteriology.

Citelli, S. Investigaciones bacteriológicas sobre el oído medio en condiciones normales. Bol. lar. otol., Madr., 1904, 4: 94–6.

—— Blood flow.

See also names of arteries supplying the middle ear as **Carotid,** external; **Meningic artery; Pharyngeal artery,** etc.

Gardner, W. J. The middle ear and its problems from the standpoint of vascular anatomy and its complications. Pennsylvania M. J., 1929–30, 33: 849–52.—**Orts Llorca, F.** L'artère stapédienne chez l'embryon humain et la cause mécanique probable de son atrophie. Arq. anat., Lisb., 1933–34, 16: 199–207.

—— Calcification.

See also **Middle-ear inflammation,** sclerosing.

Meyer, M. Ueber Bindegewebsverkalkung, Bindegewebsverknöcherung und Konkrementbildung unter besonderer Berücksichtigung dieser Vorgänge in der Paukenhöhle des Menschen. Zschr. Hals &c. Heilk., 1926, 16: 481–515.

—— Cancer.

See also other subheadings (Carcinoma; Epithelioma; Sarcoma, etc.)

SPAR, A. A. *Malignant lesions involving the middle ear and mastoid process; a study of eighty cases [Minnesota] 58 l. 27cm. Rochester, 1948.

Bellussi, G. Tre casi di tumori maligni dell'orecchio medio. Atti Clin. otorinolar. Univ. Torino (1940–42) 1943, **6**: 468–97, illust.—**Figi, F. A., & Hempstead, B. E.** Malignant tumors of the middle ear and the mastoid process. Tr. Am. Acad. Ophth. Otolar., 1942–43, **47**: 210–29. Also Arch. Otolar., Chic., 1943, **37**: 149–68. Also Minnesota M., 1945, **28**: 38–43.—**Guisez, J., & Richez, P.** Le cancer primitif de l'oreille moyenne; radiumthérapie. Bull. otorhin., Par., 1929, **26**: 164–7.—**Heschelin, A.** Primärer Krebs des Mittelohres. Acta otolar., Stockh., 1924–25, **7**: 412–8.—**Hosoda, C.** Ueber Transplantationsversuche artfremder Geschwülste in die Mittelohrenhöhle; die dritte Mitteilung in Bezug auf Transplantationsversuche bösartiger Geschwülste im Gehörorgane. Tr. Jap. Path. Soc., 1926, **16**: 232.—**House, H. P.** Early detection of middle ear malignancy. Tr. Am. Otol. Soc., 1949, **37**: 119–28, illust. Also Ann. Otol. Rhinol., 1949, **58**: 789–97, illust.—**Korotkova, U. K.** Sluchai pervichnogo raka sredniago ukha. Vest. otorinolar., 1947, No. 4, 65.—**Maestranzi, M.** Contributo allo studio anatomo-clinico del cancro dell'orecchio medio. Osp. maggiore, Milano, 1927, 3. ser., **15**: 481–8.—**Morrison, L. E.** Cancer of the middle ear; report of four cases. J. Indiana M. Ass., 1946, **39**: 167–70.—**Okonogi, S., & Okonogi, T.** Kyodainaru nō-nōyō wo tomonaeru genpatu-sei tyūzi-gansyu no iti rei [primary cancer of the middle ear accompanied by a tremendously large brain abscess] Nippon zibiinkoka gakkai kaiho, 1947–48, **51**: 83–5.—**Pletnickaia, O. A.** [Two cases of primary cancer of the middle ear] Vest. otorinolar., 1940, No. 6, 60–4.—**Portmann, G., & Corgnet, G. J.** Contribution à l'étude des dysembryomes de l'oreille moyenne et de la trompe d'Eustache. Rev. laryng., Bord., 1947, **68**: 241–76.—**Potashev, A. M.** [Vernet's syndrome in malignant tumors of the middle ear] J. ushn. nosov. gorlov. bolez., 1940, **17**: 224–6.—**Prizant, M. G.** [Cancer of the middle ear] Vrach. delo, 1935, **18**: 567.—**Rosenblat, M. S., & Zaevloshin, M. N.** [Case of primary cancer of the middle ear] Vest. otorinolar., 1937, 83–6.—**Shambaugh, G. E., & Hagens, E. W.** Malignant growth involving both middle ears; report of a case with autopsy. Arch. Otolar., Chic., 1929, **9**: 602–11.—**Thorell, I.** Treatment of malignant tumours of the middle ear at Radiumhemmet, Stockholm. Acta radiol., Stockh., 1935, **16**: 242–53, 2 pl.—**Többl, P.** [Primary cancer of middle ear] Orv. hetil., 1937, **81**: 1109–12.—**Trossat.** Tumeur maligne de l'oreille au cours d'une otite suppurée ancienne. Ann. otolar., Par., 1938, 658. Also Lyon méd., 1938, **161**: 519.—**Yosida, T.** Taisoku hansin-mahi wo tomonaeru tyōki-gan no iti rei [case ... accompanied by hemiplegia] Zibiinkoka rinsyo, 1940, **35**: 892–6. ——— & **Fukumoto, M.** A case of cancer in middle ear. Bull. Nav. M. Ass., Tokyo, 1934, **23**: 6.

—— Cancer, metastatic.

Johnson, H. R. Metastatic malignant neoplasm of the external auditory canal and middle ear; report of case. West Virginia M. J., 1941, **37**: 128–30.—**Mollison, W. M.** Carcinoma of middle ear, apparently secondary to carcinoma mammæ. Proc. R. Soc. M., Lond., 1928–29, **22**: Sect. Otol., 39.

—— Cancroid.

Mayer, J. Kankroid des Ohres. Mschr. Ohrenh., Wien, 1947, **81**: 683–6.

—— Carcinoma.

See also subheadings (Cancer; Epithelioma)

RIEDEL, K. *Ueber ein primäres Karzinom des Mittelohres auf nicht entzündlicher Basis [Erlangen] 17p. 8° Dresd., 1935.

SPRING, E. W. *Ueber das primäre Mittelohrkarcinom mit Beschreibung eines operierten und seit 4 Jahren rezidivfreien Falles. 18p. 8° Giessen, 1929.

Berendes, J. Zur Entstehung des primären Mittelohrkarzinoms. Arch. Ohr. &c. Heilk., 1937–38, **144**: 425–9.—**Bottari, G.** Sopra due casi di carcinoma primitivo dell'orecchio medio. Valsalva, 1947, **23**: 188–96.—**Bowman, R. J.** Carcinoma of the external auditory canal, middle ear and mastoid. Ann. Otol. Rhinol., 1940, **49**: 225–31.—**Buckman, L. T.** Carcinoma of the middle ear and mastoid. Ibid., 1943, **52**: 194–201. Also Tr. Am. Lar. Rhin. Otol. Soc., 1943, 1–8.—**Cheridjian, Z., & Sciclounoff, T.** A propos de deux cas de carcinome de l'oreille moyenne, dont l'un guéri depuis 55 mois, sans récidive. Rev. méd. Suisse rom., 1938, **58**: 96–105.—**Chou, T. P.** Carcinoma of the middle ear and its treatment: report of a case. Chin. M. J., 1938, **53**: 64–7.—**Christen, R.** Carcinome de l'oreille moyenne. Rev. méd. Suisse rom., 1923, **48**: 752–4.—**Cusatelli, A.** Sopra tre casi di carcinoma dell'orecchio medio; contributo clinico ed anatomo-patologico. Arch. ital. otol., 1942, **54**: 91–122.—**Diamant, M.** Carcinoma in the middle ear; case report. Acta otolar., Stockh., 1941, **29**: 77–9.—**Grossman, A. A., Donnelly, W. A., & Snitman, M. F.** Carcinoma of the middle ear and mastoid process. Ann. Otol. Rhinol., 1947, **56**: 709–21.—**Hautant, A.** Difficultés de dépister le carcinome primitif de l'oreille moyenne dès sa période initiale. Ann. otolar., Par., 1944–45, 151.—**Matschnig, F.** Mittel- und Innenohr-Karzinom. Mschr. Ohrenh., Wien, 1946, **79**:–**80**: 541.—**Rachmilewitz, L.** Ein Fall von primärem Karzinom des Mittelohres. Ibid., 1932, **66**: 1388.—**Settelen, M. E.** Primäres Mittelohrcarcinom. Pract. otorhinolar., Basel, 1946, **8**: 534–6. Also Schweiz. med. Wschr., 1947, **77**: 365.—**Smith, C. H.** Primary carcinoma of the middle ear and mastoid; the endaural approach to the mastoid. Laryngoscope, 1940, **50**: 547–54.—**Uestel, S. A.** Beitrag zur Röntgendiagnose des Karzinoms des Mittelohrs. Röntgenpraxis, 1935, **7**: 815.—**Weiss, M.** Primarni karcinom srednjega uha. Liječ. vjes., 1949, **71**: 262–4.—**Yates, E. C.** Primary carcinoma of the middle ear. Kentucky M. J., 1936, **34**: 501–6.

—— Carcinoma: Adenocarcinoma.

Furstenberg, A. C. Primary adenocarcinoma of the middle ear and mastoid. Ann. Otol. Rhinol., 1924–25, **33**: 677–86, 2 pl.—**Grabscheid, E.** Adenocarcinoma involving the middle ear. Arch. Otolar., Chic., 1943, **37**: 430–3.—**Gritti, P.** Adenocarcinoma dell'orecchio medio. Otorinolar. ital., 1934, **4**: 503–15.—**Malan, A.** Adenocarcinoma dell'orecchio medio. Valsalva, 1926, **2**: 15–9.—**Stupka, W.** Durch Röntgenbestrahlung geheiltes malignes Adenom des Mittelohres. Mschr. Ohrenh., Wien, 1941, **75**: 363–6.

—— Cavity [Cavum tympani]

See also subdivisions (Epitympanic recess; Floor; Tegmen) also **Temporal bone.**

GROTERJAHN, G. A. K. *Ueber den Bau der Paukenhöhle bei Pferd, Rind, Schaf, Schwein, Hund und Katze [Göttingen] 55p. 8° Dresd., 1922.

TROPP, E. *Untersuchungen über den Rauminhalt der Paukenhöhle [Würzburg] 8p. 21cm. Ochsenfurt a. M., 1938.

Hölzel. Das Mittelohr als Cavum serosum. Zschr. Hals &c. Heilk., 1925, **12**: 477, Disc., 487.—**Kiss, F.** [On the connection between the cavity of the tympanum and fossa temporalis] Magy. orv. arch., 1926, **27**: 7. Also Zschr. ges. Anat., 1. Abt., 1926, **81**: 618.—**Lambert, V.** Extensions of the tympanic cavity. Proc. R. Soc. M., Lond., 1949, **42**: 421–4. Also J. Lar. Otol., Lond., 1949, **63**: 711–33, 7 pl.—**Ohkura, T.** Tenziku-nezumi to tanuki no kositu no keitai [the shape of the tympanic cavity of a guinea pig and of a badger] Okayama igakkai zassi, 1947, **59**: 26.—**Schwarzbart, A.** Suggested new anatomic classification of the tympanic spaces and Eustachian tube; draft of a new clinical classification on this basis. Arch. Otolar., Chic., 1948, **48**: 681–7.—**Toyooka, T.** Nyūzi tyūzikōnai kōyō-sosiki no sonzai igi ni tai-suru iti kōsatu [significance of gelatinous tissue in the tympanic cavity of infants] Nagoya igakkai zassi, 1943, **57**: 676.

—— Chloroma.

Krepuska, S. Chlorom des Gehörorganes. Zschr. Hals &c. Heilk., 1925, **11**: 196–205.

—— Cholesteatoma.

See also **Ear,** Cholesteatoma; **Mastoid,** Cholesteatoma; **Middle-ear inflammation,** cholesteatomatous.

Albrecht, W. Die röntgenographische Darstellung der Cholesteatomhöhle nach Jodipinfüllung. Zschr. Hals &c. Heilk., 1928, **21**: 1–5.—**Baldenweck, L., & Leroux-Robert, J.** Le cholestéatome de l'oreille moyenne. Rev. méd. fr., 1936, **17**: 591–6.—**Bombelli, U.** Aspetto e sede insolita di colesteatoma dell'orecchio medio. Valsalva, 1932, **8**: 603–10.—[**Cholesteatoma,** fissura horyzont. labyrinthi] Harefuah, Tel Aviv, 1945, **28**: 199.—**Creyx, M., Massière, R., & Léger, H.** Syndrome hypophyso-thyro-génital; cholestéatome auriculaire et endocrânien. J. méd. Bordeaux, 1938, **115**: 209–18.—**Hudgins, A. P.** Cholesteatoma; with case report of a bilateral external cholesteatoma. West Virginia M. J., 1934, **30**: 114–8.—**Jobson, T. B.** Cholesteatoma in aural suppuration; its relation to prognosis. Proc. R. Soc. M., Lond., 1932, **25**: 490–504. Also J. Lar. Otol., Lond., 1932, **47**: 380–94.—**Kirstein, R.** Zur chemischen und mikroskopischen Diagnose des Cholesteatoms. Zschr. Hals &c. Heilk., 1941–43, **48**: 108–12.—**Kraus, L.** Ueber grosse Cholesteatome. Arch. Ohr. &c. Hcilk., 1941, **149**: 46–55.—**Lange, W.** Zur Pathologie des Mittelohrcholesteatoms. Deut. med. Wschr., 1925, **51**: 762. Also Med. Klin., Berl., 1925, **21**: 605. ——— Tief eingezogene Membrana flaccida und Cholesteatom. Zschr. Hals &c. Heilk., 1931–32, **30**: 575–82. ——— Das Cholesteatom des Mittelohrs. Klin. Wschr., 1936, **15**: 1350–3.—**Lund, R.** [Case of cholesteatomatous middle ear suppuration] Ugeskr. laeger, 1927, **89**: 635–40.—**Markova, V. I., & Wolfkovich, M. I.** Ob osobennostiakh kholesteatomy ukha u detei. Vest. otorinolar., 1945, **7**: No. 2, 18–22.—**Martone, M.** Colesteatoma gigante perilabirintico. Atti Clin. otolar. Napoli, 1939–41, **15**: 407–16.—**Matschnig, F.** Cholesteatom des Mittelohres und der

Schläfebeinschuppe. Mschr. Ohrenh., Wien, 1947, **81**: 274.—**Merelli, G.** Due casi poco comuni di colesteatoma dell'orecchio medio. Arch. ital. otol., 1925, **36**: 491–500.—**Monteiro, A.** Perola epitelial do timpano. Rev. brasil. otorinolar., 1941, **9**: 403.—**Murphy, L.** Cholesteatoma. Clin. Proc. Child. Hosp., Wash., 1945–46, **2**: 273–6.—**Nylen, C. O.** Le signe fistulaire de Mygind dans un cas de cholestéatome avec membranc du tympan intacte. Acta otolar., Stockh., 1926, **10**: 249–52.—**Oppikofer.** Mikroskopische Befunde bei Mittelohrcholesteatom. Zschr. Hals &c. Heilk., 1929, **24**: 432–44, Disc., 446–62.—**Portmann & Valette.** Cholestéatome de l'oreille avec pseudo-syndrome d'abcès encéphalique chez un homme atteint d'infantilisme à type Gandy. Rev. laryng., Par., 1928, **49**: 211–21.—**Rejtö, A.** Bemerkungen zu der Mitteilung von Doz. Dr H. Eschweiler, Zur mikroskopischen Diagnose des Cholesteatoms. Zschr. Hals &c. Heilk., 1940–41, **47**: 333. ——— Bemerkungen zu der Mitteilung von Dr Richard Kirstein, Zur chemischen und mikroskopischen Diagnose des Cholesteatoms. Ibid., 1941–43, **48**: 337.—**Rosenhaus, D. E.** [Cases of gigantic pseudocholesteatoma of the middle ear] J. ushn. nosov. gorlov. bolez., 1940, **17**: 227–9.—**Santos, I. B. dos.** Imagem radiológica de radical natural por colesteatoma da orelha média. Brasil med., 1944, **58**: 196–8.—**Torii, K.** Itazuramono mimi-sinzyu-syu [cholesteatoma of the ear, the mischief-maker] Tiryo, 1949, **31**: 214–9.—**Trible, G. B., & Tibbets, A. P.** Cholesteatoma; case reports. Laryngoscope, 1926, **36**: 512–6.—**Volkmar, H.** Röntgenerfahrungen bei Cholesteatomen des Mittelohres. Zschr. Laryng., 1931, **21**: 424–37.—**Waltner, J. G.** Roentgen diagnosis of cholesteatoma of the middle ear. Am. J. Roentg., 1949, **62**: 674–84, illust.—**Washington, E. J.** Cholesteatomas. Manitoba M. Rev., 1948, **28**: 82.—**Welin, S.** Om röntgendiagnostiken av cholesteatom. Nord. med., 1944, **22**: 789–91.

—— Cholesteatoma: Complication.

See also **Middle-ear inflammation,** cholesteatomatous.

FRITSCH, E. *Beitrag zur Differentialdiagnose der Labyrinthitis infolge Cholesteatoms des Mittelohres. 14p. 8° Erlangen, 1937.

Bertein. Paralysie faciale dissociée par cholestéatome de l'oreille; intervention; guérison. Lyon méd., 1924, **133**: 682.—**Brunner, H.** Cholesteatom des Mittelohres, Pachymeningitis der hinteren Schädelgrube, Sinusthrombose, Kleinhirnabszess, tiefer Extraduralabszess, meningogene Labyrinthitis, Exitus an Atemlähmung. Mschr. Ohrenh., Wien, 1935, **69**: 115–20.—**Edel, W.** Cholesteatomrezidiv und Fazialislähmung nach Totalaufmeisselung der Mittelohrräume. Deut. med. Wschr., 1927, **53**: 1644.—**Forschner.** Cholesteatomdurchbruch bei einer 75jährigen, bisher niemals behandelten Frau, Operation in Lokalanästhesie, Heilung. Mschr. Ohrenh., Wien, 1936, **70**: 613.—**Grabscheid, E.** Akut exazerbiertes Cholesteatom; Radikaloperation; eine Woche nach der Operation Fazialislähmung mit wechselnder Intensität; Skleroma multiplex incipiens (?) Ibid., 1935, **69**: 113–5.—**Hosiya, H.** Experimentelle Studien über die Komplikationen des Mittelohrcholesteatoms. Mitt. Med. Akad. Kioto, 1935, **14**: 1299–1362, 6 pl. Also Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 48.—**Jauquet, E., & Fallas, A.** A propos d'un cas de cholestéatome compliqué de l'oreille moyenne. Bull. Soc. belge otol., 1908–09, **14**: 83–6.—**Mayer, E. G.** Differentialdiagnostische Erwägungen bei ausgedehnten destruktiven Prozessen am Schläfenbein an Hand eines seltenen Falles von fast völliger Destruktion der Pyramide durch ein Cholesteatom. Fortschr. Röntgenstrahl., 1925, **33**: 889–93.—**Meda, P.** Colesteatoma auricolare gigante a evoluzione petrosa e sintomatologia dell'angolo ponto-cerebellare. Minerva med., Tor., 1948, **39**: 556.—**Meyer, M.** Ueber Entstehung, knochenzerstörende Ausbreitung und theoretische Einordnung des sekundären Cholesteatoms und über seinen Einfluss auf die Pneumatisation des Warzenfortsatzes. Arch. Ohr. &c. Heilk., 1935, **139**: 127–49.—**Montandon, A.** Syndrome d'irritation du canal vertical antérieur. Rev. otoneur., Par., 1949, **21**: 233.—**Nager.** Cholesteatom (Perforation der Membrana Shrapnelli) und Spontandurchbruch der Cholesteatomhöhle nach aussen. Schweiz. med. Wschr., 1921, **51**: 62.—**Rasmussen, H.** Cholesteatoma processus mastoidei; abscessus cerebelli. Nord. med., 1946, **31**: 1835–7.—**Rejtö, A.** Totale Labyrinthsequestration infolge Cholesteatoms. Mschr. Ohrenh., Wien, 1929, **63**: 1022.—**Rendu, R., & Japiot.** Radiographie à l'huile iodée d'un énorme cholestéatome d'oreille avec prolongement occipital. Lyon méd., 1924, **134**: 793–5, pl.—**Richter, H.** Klinische Erfahrungen über das Cholesteatom des Mittelohrs und seine Komplikationen. Zschr. Hals &c. Heilk., 1938, **44**: 340–7. ——— Ueber labyrinthogene Spätmeningitis und Bulbusphlebitis infolge Cholesteatoms. Ibid., 1944, **50**: 226–32.—**Schaeffer, H., & Hubert.** Spasme du facial suivi de paralysie par cholestéatome de l'oreille moyenne. Rev. otoneur., Par., 1933, **11**: 765–7.—**Stupka, W.** Rezidivierendes Cholestcatom der rechten Mittelohrräume, Labyrintheinbruch, Kleinhirnabszess, mehrfache Operationen, Heilung. Mschr. Ohrenh., Wien, 1935, **69**: 350–6.—**Takahasi, S.** Zentei oyobi hankikan wo sinsyū-seru tyūzi kasei sinzyūsyu rei [aural pseudocholcsteatoma which invaded the vestibule and the semicirucular canals] Zibiinkoka rinsyo, 1942, **37**: 680.—**Von Leden, H., & Williams, H. L.** Cholesteatoma with fistula into the labyrinth; report of a case in which the roentgenologic findings were confusing. Arch. Otolar., Chic., 1944, **39**: 432.—**Wilmot, T. J.** Cholesteatoma causing cerebellar abscess. J. Lar. Otol., Lond., 1949, **63**: 682–4.

—— Cholesteatoma, congenital.

De Vanna, F. Colcsteatoma congenito. Ann. Fac. med. chir., Bari, 1943, **2**: 263–72.—**Hesse, W.** Zur Differentialdiagnostik wahrer und falscher Ohrcholesteatome nebst kurzer Kritik der bisher beschriebenen kongenitalen Schläfenbeincholesteatome. Arch. Ohr. &c. Heilk., 1925–26, **114**: 242–61.—**Laskiewicz, A.** Du cholestéatome congénital. Rev. laryng., Bord., 1937, **58**: 281–98, illust.—**Riccabona, A.** Angeborene Cholesteatom. Mschr. Ohrenh., Wien, 1947, **81**: 305–12.

—— Cholesteatoma: Pathogenesis.

BERBERICH, J. *Das Mittelohrcholesteatom; experimentelle und pathologisch-anatomische Untersuchungen [Frankfurt a. M.] 94p. 8° Berl., 1927.

Also Beitr. Anat. Ohr., 1927–28, **26**:

DEBAIN, J. J. *Considérations sur le cholestéatome primitif. 50p. 23cm. Par., 1941.

Albrecht, W. Zur Pathogenese des Mittelohrcholesteatoms. Acta otolar., Stockh., 1931, **15**: 375–8.—**Altmann, F.** Zur Pathogenese der Cholesteatome des Recessus epitympanicus. Mschr. Ohrenh., Wien, 1934, **68**: 271–5.—**Berberich, J.** Das experimentelle Mittelohrcholesteatom. Zschr. Hals &c. Heilk., 1927–28, **18**: 311, Disc., 358–64. ——— Erwiderung auf Wittmaacks kritische Bemerkungen zu meiner Arbeit: Das Mittelohrcholesteatom. Beitr. Anat. Ohr., 1928, **27**: 196–202. ——— Zur Röntgenologie und Pathogenese des Cholesteatoms. Zschr. Laryng., 1929, **18**: 119–21.—**Kelemen, G.** Traumatische Cholesteatomgenese. Acta otolar., Stockh., 1934, **20**: 211–30.—**Lange, W.** Ueber die Entstehung der Mittelohr-Cholesteatome. Zschr. Hals &c. Heilk., 1925, **11**: 250–71.—**Mayer, O.** Die Entstehung des Attikcholesteatoms. Acta otolar., Stockh., 1930, **14**: 242–8.—**Nager, F. R.** The cholesteatoma of the middle ear; its etiology, pathogenesis, diagnosis and therapy. Ann. Otol. Rhinol., 1925–26, **34**: 1249–58.—**Nienhuis, J. H.** [Pathogenesis of cholesteatoma of the middle ear; a case in a rabbit] Ned. tschr. geneesk., 1927, **71**: pt 2, 1687. Also Zschr. Hals &c. Heilk., 1928, **19**: 186–94.—**Simonetta, B.** Voluminеux pseudo-kyste cholestérinique de l'apophyse mastoïde après évidement pétromastoïdien; considérations sur l'origine des cholestéatomes. Rev. laryng., Bord., 1932, **53**: 1309–13.—**Steurer, O.** Zur Pathogenese der Mittelohrcholesteatome. Zschr. Hals &c. Heilk., 1929, **24**: 402–15, Disc., 446–62. ——— Traumatische Cholesteatomentstehung. Arch. Ohr. &c. Heilk., 1944, **154**: 169–82.—**Teed, R. W.** Cholesteatoma verum tympani, its relationship to the first epibranchial placode. Arch. Otolar., Chic., 1936, **24**: 455–74.—**Wittmaack, K.** Kritische Bemerkungen zu der Arbeit: Das Mittelohr-Cholesteatom von J. Berberich. Beitr. Anat. Ohr., 1928, **27**: 1–5. ——— Cholesteatombildung, Pneumatisation und Pneumatisationslehre. Arch. Ohr. &c. Heilk., 1930, **125**: 218–34.

—— Cholesteatoma: Treatment.

Birkholz. Röntgenographische Kontrollversuche der Wirkung des Hartmannschen abgebogenen Paukenröhrchens bei typischer Cholesteatomeiterung des Ohres. Zschr. Hals &c. Heilk., 1928, **22**: 326–34.—**Dundas-Grant, J.** Conservation de la matrice dans les opérations pour cholestéatome de l'oreille moyenne. Otorhinolar. internat., Lyon, 1919, **7**: 393–403. ——— Case of attic cholesteatoma with vertigo; ossiculectomy; relief. Proc. R. Soc. M., Lond., 1927–28, **21**: Sect. Otol., 6. ——— Vertigo arising from cholesteatoma in the middle ear; complete relief after ossiculectomy. Ibid., 1933, **26**: 302.—**Hopmann, E.** Ueber Alkoholausspülungen mit dem Paukenröhrchen bei Cholesteatom. Zschr. Hals &c. Heilk., 1925, **11**: 423; 1926, **14**: 646.—**Kutvirt, O.** De l'agrandissement de la cavité cholestéatomateuse. Acta otolar., Stockh., 1925–26, **8**: 517–26.—**Meneses, B.** Colesteatoma do ouvido medio curado pela natureza. Rev. brasil. otorinolar., 1943, **11**: 139–41.—**Rejtö, A.** Weitere Beiträge zur chemischen Diagnose und Therapie des Mittelohr-Cholesteatoms. Acta otolar., Stockh., 1932, **17**: 304–10. ——— Vom Cholesteatom (neuere Prinzipien in der Behandlung des Cholesteatoms; Versuche zum chemischen Nachweis des Cholesteatoms) Münch. med. Wschr., 1931, **78**: 836.—**Rüedi, L.** Zur Klinik und Therapie des Mittelohrcholesteatoms. Schweiz. med. Wschr., 1934, **64**: 411–8.—**Thormann, H.** Ueber Alkoholausspülungen mit dem Paukenröhrchen bei Cholesteatom. Zschr. Hals &c. Heilk., 1925–26, **13**: 572.—**Urbantschitsch, E. v.** Beiderscitiges typisches Mittelohrcholesteatom bei einem Kleinkind; beiderseits konservative Radikaloperation. Mschr. Ohrenh., Wien, 1941, **75**: 368.—**Weder, A.** Beitrag zur endauralen Radikaloperation bei Cholesteatom. Pract. otorhinolar., Basel, 1947, **9**: 285–7.

—— Cylindroma.

GARDIES, S. L. E. *Tumeurs cylindromateuses de l'oreille moyenne [Paris] 61p. 24cm. Reims, 1943.

—— Cyst.

Jenkins, G. J. Cysts of the temporal bone involving the middle ear and the jugular fossa. Proc. R. Soc. M., Lond., 1929–30, **23:** Sect. Otol., 61–7. Also J. Lar. Otol., Lond., 1930, **45:** 623–31.

—— Development [incl. phylogenesis]

See also **Branchial apparatus**; also **Pharynx, Development.**

RÜEDI, L. Die Mittelohrraumentwicklung von 5. Embryonalmonat bis zum 10. Lebensjahr. 132p. 8° Helsin., 1937.
Forms Suppl. 22, Acta otolar., 1937.

Anson, B. J., Karabin, J. E., & Martin, J. Stapes, fissula ante fenestram and associated structures in man; from the fetus at term to the adult of seventy. Arch. Otolar., Chic., 1939, **29:** 939–73.—**Bast, T. H., Anson, B. J., & Gardner, W. D.** The developmental course of the human auditory vesicle. Anat. Rec., 1947, **99:** 55–74, incl. 3 pl.—**Cauldwell, E. W., & Anson, B. J.** Stapes, fissula ante fenestram and associated structures in man; from embryos 6.7 to 50 mm. in length. Arch. Otolar., Chic., 1942, **36:** 891–925. Also Anat. Rec., 1942, **82:** 404 (Abstr.) ——— Stapes, fissula ante fenestram and associated structures in man; from fetuses 75 to 150 mm. in length. Arch. Otolar., Chic., 1943, **37:** 650–71. Also Anat. Rec., 1942, **82:** 395 (Abstr.) ——— Stapes, fissula ante fenestram and associated structures in man; from the fetus of 160 mm. (5 months) to newborn infant. Arch. Otolar., Chic., 1948, **48:** 263–300.—**Crowe, S. J., & Polvogt, L. M.** Embryonic tissue in the middle ear and mastoid; report of two cases. Ibid., 1930, **12:** 151–61.—**Dohrer, J.** Die Entwicklung der Paukentasche bei Chelydra serpentina. Morph. Jahrb., 1916, **50:** 103–7, pl.—**Gerrie, J.** The phylogeny of the mammalian tympanic cavity and auditory ossicles. J. Lar. Otol., Lond., 1948, **62:** 339–57.—**Hendleman, S.** Introduction to an ontogenetic and phylogenetic study of the mastoid and middle ear. Laryngoscope, 1927, **37:** 710–8.—**Holz, K.** Vergleichende anatomische und topographische Studien über das Mittelohr der Säugetiere. Zschr. ges. Anat., 1931, **94:** 757–91.—**Ortmann, R.** Ueber die morphologische Bedeutung des sogenannten Kiemenrudimentes (Grosser) der Paukenhöhlentasche menschlicher Embryonen. Anat. Anz., 1938–39, **87:** 1–12.—**Parrington, F. R.** Remarks on a theory of the evolution of the tetrapod middle ear. J. Lar. Otol., Lond., 1949, **63:** 580–95, illust.—**Ponomarewa, W. N.** Ueber die Dauer der Induktionswirkung bei der Bildung der Hörblase. Bull. biol. méd. exp. URSS, 1936, **2:** 325.—**Richter, H.** Die Morphogenese des Mittelohres; eine vergleichend morphologische Betrachtung. Arch. Ohr. &c. Heilk., 1938, **145:** 322–44. ——— Die Entwicklung des Mittelohres. Sitzber. Phys. med. Soz. Erlangen (1938) 1939, **70:** 338–40. ——— Betrachtungen zur Entwicklung des Mittelohres. Hals &c. Arzt, 1939, **30:** 375–86.—**Ruhwandl, G.** Die Entwicklung der Paukentasche beim Kanarienvogel (Fringilla canaria) Morph. Jahrb., 1916, **50:** 75–102, 2 pl. ——— Bemerkungen über die Entwicklung der Paukentasche bei der Hauskatze (Felis domestica) Ibid., 108–12, 2 pl.—**Stewart, J. P.** The persistence of fetal blood sinuses and their relation to the middle ear spaces. Arch. Otolar., Chic., 1929, **10:** 266–75.—**Truscott, B. L., & Struthers, P. H.** The embryological development of the middle ear of the field mouse, Microtus pennsylvanicus. J. Morph., 1941, **69:** 329–46, 3 pl.—**Violette, H. N.** An experimental study on formation of middle ear in Rana. Proc. Soc. Exp. Biol., N. Y., 1927–28, **25:** 684. ——— The endodermal origin of middle ear cartilages of Rana. Ibid., 1931, **39:** 94–6.—**Zwilling, E.** The determination of the otic vesicle in Rana pipiens. J. Exp. Zool., 1941, **86:** 333–42.

—— Disease.

See also other subdivisions (Actinomycosis; Allergy, etc.) also **Eustachian tube,** Diseases and tumors; **Mastoid,** Disease; **Middle-ear drumhead,** Disease; **Middle-ear inflammation; Petrous bone,** Disease, etc.

ALCAÍNO, A. Affecciones crónicas del oído externo y medio. 105p. 25cm. Santiago de Chile, 1940.

Andrews, A. H. Diseases of middle ear. In: Cyclop. Med. (Piersol-Bortz) Phila., 1939, **5:** 322–40, 6 pl.—**Babbitt, J. A.** Symposium on the middle ear; the middle ear and its problems. Pennsylvania M. J., 1929–30, **33:** 844–9.—**Beyer.** Seltene Erkrankungen des Trommelfells und des Mittelohrs. Zschr. Hals &c. Heilk., 1933, **34:** 377–9.—**Bourgeois, H.** Maladies de l'oreille moyenne. In: Précis d. path. chir., 6. éd., Par., 1938, **2:** 357–461.—**Claus.** Mittelohraffektionen. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9:** 853–78.—**Cohen, S.** Ear thoughts. Eye Ear &c. Month., 1934, **13:** 145–50.—**Curry, L. T.** Common acute middle ear diseases. Surg. Clin. N. America, 1941, **21:** 13–20.—**Dowling, J. R.** Acute middle ear disease. Ohio M. J., 1936, **32:** 436–40.—**Gilmer, H. D.** Acute ear conditions in general practice. Virginia M. Month., 1927–28, **54:** 351–3.—**Ranken, D., Scott, S.** [et al.] Discussion on the effects of middle-ear disease on efficiency in civil and military life. Proc. R. Soc. M., Lond., 1927–28, **21:** Sect. War, 135–54.—**Snyder, C. P.** Diseases of the middle ear. J. Am. Osteopath. Ass., 1945–46, **45:** 133.—**Turtur, G.** Contributo all'anatomia patologica della cassa timpanica. Boll. mal. orecchio, 1935, **53:** 393–408.—**Wishart, D. E. S.** Chronic disease of the middle ear. Health, Toronto, 1939, **7:** 7.

—— Disease: Complications.

Bratesco, V., Giurea, G. N. [et al.] Considérations sur la structure de l'apophyse mastoïde pendant les affections de l'oreille moyenne. Ann. otolar., Par., 1932, 1333–42.—**Brawner, L. E.** Middle ear diseases with complications and sequelae. J. M. Ass. Georgia, 1926, **15:** 198–203.—**Dintenfass, H.** Facial paralysis from acute middle ear disease. Pennsylvania M. J., 1934–35, **38:** 854–7.—**Franchini, Y., & Riccitelli, E.** Importancia del tratamiento médico general y biológico en algunas afecciones complicadas del oído medio y cavidades anexas. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **6:** 263–7. Also Sem. méd., B. Air., 1935, **42:** 1267–9.—**Gifford, H.** An unfortunate but instructive case of middle ear disease. Proc. Nebraska M. Soc., 1896, **28:** 169–73.—**Ninger, F.** [Participation by otoliths in diseases of middle ear] Cas. lék. česk., 1927, **66:** 535–41.—**Zavadsky, S. I.** [Case of limited trophic baldness caused by an affection of the middle ear] Vest. otorinolar., 1941, No. 2, 57.

—— Disease: Diagnosis.

See also **Deafness; Tinnitus; Vertigo.**

Catalano, N. L'audiometria, per via aerea, nelle affezioni auricolari medie acute. Otorinolar. ital., 1939, **9:** 295–310.—**Eisinger, K., & Mayer, E. G.** Ueber die Röntgenuntersuchung des kindlichen Schläfenbeines bei Mittelohrerkrankungen. Mschr. Ohrenh., Wien, 1938, **72:** 218–21.—**Fisher, L.** The middle ear and its problems from the standpoint of vertigo. Pennsylvania M. J., 1929–30, **33:** 852–5.—**Lishman, F. J. G.** Prevalence of middle-ear disease in elementary school children; otoscopy as an adjunct to routine medical inspection. Brit. M. J., 1937, **2:** 1165–8.—**Weyl, R.** Ueber sympathisch bedingte Pupillendifferenzen bei Mittelohrerkrankungen. Arch. Ohr. &c. Heilk., 1933, **134:** 217–43.—**Yates, A. L.** Methods of estimating certain alterations in the middle-ear by means of quantitative tests of hearing. J. Laryng., Lond., 1928, **43:** 398–406.

—— Disease: Etiology.

STIX, K. E. *Pneumatisationsverhältnisse des Warzenfortsatzes bei verschiedenen Mittelohrerkrankungen grösserer Kinder. p.474–82. 8° Würzb., 1935.
Also Beitr. Anat. Ohr., 1933–34, **31:**

McCarthy, M. F. The relationship of nasal and middle ear disease. J. Med., Cincin., 1933, **14:** 462–70.—**Nelson, J. B., & Gowen, J. W.** The establishment of an albino rat colony free from middle ear disease. J. Exp. M., 1931, **54:** 629–36.—**Zezza, P.** Sulla transmissione ereditaria di una labilità dell'orecchio medio. Fisiol. & med., Roma, 1937, **8:** 195–201.—**Zuckerman, M. A.** [Histopathological changes in the middle ear in acute disorders of alimentation and dysentery in young children] J. ushn. nosov. gorlov. bolez., 1941, **18:** 177–87.

—— Disease: Pathology.

Brunetti, F., jr. Velocità di sedimentazione e numero dei leucociti in affezioni acute e croniche dell'orecchio medio. Valsalva, 1937, **13:** 49–66.—**Dean, L. W., & Bunch, C. C.** The study of the tonal ranges in lesions of the middle ear. Tr. Am. Otol. Soc., 1922, **16:** 249–81.—**Jacques, P.** Contribution à la physiologie normale et pathologique de l'oreille moyenne. Rev. laryng., Par., 1930, **51:** 507–10. Also Acta otolar., Stockh., 1931, **15:** 308–11.—**Lierle, D. M., & Potter, J. J.** Physiology and histopathology of the middle ear. In: Pract. Libr. M. & S. (Appleton) N. Y., 1937, **11:** 391–442. Also Ann. Otol. Rhinol., 1941, **50:** 235–70.—**Scheibe, A.** Ueber die Definition, Nomenklatur und Einteilung der Mittelohrerkrankungen. Arch. Ohr. &c. Heilk., 1925, **113:** 1–15.—**Schlittler, E.** Histologische Demonstrationen über Mittelohrresiduen. Schweiz. med. Wschr., 1926, **56:** 298.

—— Disease: Treatment.

See also **Mastoidectomy,** Indications; also subdivision Surgery.

Beddoe, M. The influence of the Egyptian climate on diseases of the middle ear. C. rend. Congr. égypt. méd. (1902) 1904, 1. Congr., **1:** 815–8.—**Bellussi, G.** La crenoterapia sulfurea nelle otopatie con un nuovo apparecchio per insufflazioni tubotimpaniche. Valsalva, 1942, **18:** 146–52.—**Bo, A.** La diatermia nella cura delle affezioni dell'orecchio medio. Boll. mal. orecchio, 1925, **43:** 13–8.—**Clarke, T. A.** Chemotherapy in middle-ear disease. Brit. M. J., 1941, **2:** 317.—**Hassan Bey Shaheen.** An outline of the routine treatment of middle ear diseases as practised in Kasr-El-Aini Hospital. Fol. otolar. orient., 1932–33, **1:** 3–9.—**Linn, E. G.** Diathermy in middle ear pathology; preliminary report. J. Radiol., 1925, **6:** 102–7.—**Miller, M. V.** Treatment of ear conditions through

the Eustachian tubes, with consideration of indications and difficulties. Laryngoscope, 1931, **41**: 108–16.—**Neer, E. D.** Early treatment of middle ear disease. Surg. Clin. N. America, 1935, **15**: 441–51.—**Reuling, F. H.** Complications in middle ear diseases following sulfanilamide therapy. J. Iowa M. Soc., 1940, **30**: 400–2.—**Rottbøll Hansen, B.** Investigations in the effect of chemotherapy on acute middle ear affections. Acta otolar., Stockh., 1945, **33**: 289–99.—**Scheffer.** Ueber die Behandlung von Mittelohrerkrankungen Tuberkulöser mit künstlicher Höhensonne. In: Lichtbehandl. deut. Lungenheilanstalten (Liebe, G., ed.) 3. Aufl., Lpz., 1926, 20–21.—**Wood, E. L.** The use of benzedrine in the Eustachian tube and middle ear with apparatus for application. J. M. Soc. N. Jersey, 1936, **33**: 410.

—— Disease—in animals.

Hillenbrand, K. Spontane Mittelohrerkrankung bei Meerschweinchen und ihr röntgenologischer Nachweis. Arch. Ohr. &c. Heilk., 1934, **138**: 256–63.—**Saxinger, G.** Die Spiegeluntersuchung des Hunde- und Katzenohres, ein Beitrag zur Diagnose der Mittelohrerkrankungen. Deut. tierärztl. Wschr., 1925, **33**: 277–81.

—— Disease—in children.

See also **Middle-ear inflammation,** infantile.

Boies, L. R. Middle ear disease in children. J. Lancet, 1944, **64**: 361–5. ——— The management of middle ear disease in younger children. Med. World, 1945, **63**: 502–6.—**Chalmeton, J.** L'examen otoscopique du nouveau-né et du nourrisson; ses indications, ses données, ses incertitudes. Rev. laryng., Bord., 1946, **67**: 677–93.—**Gilbert, J. G.** Middle ear diseases. In: Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, **2**: 1067–88, pl.—**Sheshko, S. M.** [Characteristics of middle ear disease in children] Vest. sovet. otorinolar., 1934, **27**: 168.—**Wilkins, E. H.** The importance of routine otoscopy in school children; a survey of 2,033 cases. Med. Off., Lond., 1940, **64**: 157–9.

—— Endocrine aspect.

De Mars, H., Boyden, G. [et al.] Influence of endocrine imbalance on middle ear structure; histological study in white rat. Fed. Proc., Balt., 1947, **6**: 322.—**Knapp, E.** Ueber die Einwirkung von Hormonen auf die Mittelohrschleimhaut; experimentelle Untersuchungen an Ratten. Mschr. Ohrenh., Wien, 1944, **78**: 486–9.

—— Endothelioma.

See also subheading Perithelioma.

Barola, A. Linfangioendotelioma dell'orecchio medio. Boll. mal. orecchio, 1935, **53**: 185–97.—**Capps, F. C. W.** Two cases of haemangeio-endothelioma of middle ear. J. Lar. Otol., Lond., 1944, **59**: 342–6.—**Colledge, L.** Two cases of endothelioma of the middle ear. Proc. R. Soc. M., Lond., 1932, **25**: 1302.—**Germán, T.** [Endothelioma in the middle ear] Budapesti orv. ujs., 1941, **39**: 61–3.—**Kravchenko, F. K.** [Lymphendothelioma of the middle ear] Kuban. nauch. med. vest., 1930, **12**:–**13**: 145–9.—**Monteiro, A.** Hemangioendotelioma do ouvido médio. Hospital, Rio, 1943, **23**: 271–5. Also Rev. brasil. otorinolar., 1943, **11**: 201–6.—**Seiffert, A.** Endotheliom des Mittelohres kompliziert durch Sinusthrombose. Zschr. Hals &c. Heilk., 1933–34, **35**: 348–51.

—— Epithelioma.

See also subheading Carcinoma.

Bouyer, J. *A propos de trois nouveau cas d'épithélioma primitif de l'oreille moyenne. 52p. 25cm. Lyon, 1945.

Cabarrouy, J. E. *Epithéliomas de l'oreille moyenne et cholestéatome. 67p. 25cm. Bord., 1938.

Wirz, R. *A propos de trois cas d'épithélioma primitif de l'oreille moyenne. 89p. 8° Par., 1931.

Antognoli, G. C. Complicazioni endocraniche e patogenesi degli epiteliomi dell'orecchio medio. Riv. otoneur., 1935, **12**: 596–624.—**Brêmond & Burkard.** Syndrome du trou déchiré postérieur avec paralysie du nerf facial causé par un épithélioma de l'oreille moyenne. Rev. otoneur., Par., 1936, **14**: 121–3.—**Cabarrouy, J. E.** Epithéliomas de l'oreille moyenne et cholestéatome. Rev. laryng., Bord., 1938, **59**: 722–65.—**Colleville.** Epithélioma spinocellulaire de l'oreille moyenne. Ann. otolar., Par., 259–61.—**Dal Lago, E.** Su di un caso di epitelioma dell'orecchio medio. Gior. med. Marca trevig., 1945, **5**: 61–9.—**Galli, M., & Di Lauro, E.** Su un caso di epitelioma della mucosa della cassa timpanica. Riforma med., 1926, **42**: 212.—**Goris.** De la technique de l'extirpation de l'épithélioma de l'oreille. Bull. Soc. belge otol., 1902, **7**: 127.—**Ingersoll, J. M.** Primary epithelioma of the middle ear. Tr. Am. Otol. Soc., 1924, **16**: 757–61.—**Lacerte, J.** Epithélioma de l'oreille moyenne. Laval méd., 1945, **10**: 268–70.—**Medicis, J. de A.** Sôbre um caso de epitelioma do ouvido medio. An. otorinolar., Recife, 1937, **3**: 45–52, 2 pl.—**Morange, M.** Epithélioma de l'oreille moyenne. Ann. otolar., Par., 1939, 394.—**Rebattu, J., & Gallet, M.** L'épithélioma primitif de l'oreille moyenne. J. méd. Lyon, 1944, **25**: 627–38.—**Sargnon, Creyssel** [et al.] Epithélioma spino-cellulaire de l'oreille moyenne et de la mastoïde; paralysie faciale; curage ganglionnaire, cure radicale, radiumthérapie. Lyon méd., 1938, **162**: 255–7.—**Urbantschitsch, E. v.** Basalzellenkarzinom (Epithelioma cysticum adenoides) als Ursache hochgradiger Schwerhörigkeit; nach Operation anatomische und funktionelle Heilung. Mschr. Ohrenh., Wien, 1944, **78**: 272.

—— Epitympanic recess.

Syn.: Attic; Cupular recess; Vault.

See also subdivision Cavum tympani; also **Middle-ear inflammation,** Epitympanitis.

Hotz, F. C. A contribution to the treatment of the diseased attic. Tr. Am. Acad. Ophth. Otolar., 1905, **10**: Otolar. Sect., 123–40.—**Solero, C.** Del diaframma membranoso inter-attico-timpanico. Valsalva, 1948, **24**: 153–5.—**Truffert, P.** L'attique; étude anatomique et chirurgicale. Rev. méd. fr., 1931, **12**: 19–36.

—— Examination.

See also subdivision Functional test; also **Middle-ear drumhead,** Examination: Otoscope.

Calogero, G. La microscopia del timpano vivente con la lampada a fessura di Gullstrand. Rass. ital. otorinolar., 1927, **1**: 124–7.—**Kratter, J.** Paukenhöhlenprobe. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, **11**: 419–24.

—— Fenestrae.

See also **Labyrinth,** Fenestrae.

Culler, E., Finch, G., & Girden, E. Functions of the round window in hearing. Am. J. Physiol., 1935, **111**: 416–25.—**Hallpike, C. S., & Scott, P.** Observations on the function of the round window. J. Physiol., Lond., 1940, **99**: 76–82, pl.—**Herzog.** Die Verstopfung des runden Fensters und ihre Folgen. Mschr. Ohrenh., Wien, 1910, **44**: 1311.—**Kobrak, H. G.** Round window membrane of the cochlea; experiments demonstrating its physical responses. Arch. Otolar., Chic., 1949, **49**: 36–47.—**Kraïnz, W.** Die funktionelle Bedeutung des runden Fensters. Zschr. Hals &c. Heilk., 1927–28, **18**: 433–6, Disc., 476–85.—**Leiri, F.** Ueber die Knorpelfuge vor dem ovalen Fenster. Acta otolar., Stockh., 1931, **15**: 74–84.—**Macnally, W. J.** Punktion des runden Fensters beim Kaninchen. Ibid., 1927, **11**: 460–70.—**Milstein, T. N.** Zur Technik der Einmauerung des runden Fensters und über die im Zusammenhang damit stehenden Fragen der Physiologie und Pathologie des Ohres. Ibid., 1937, **25**: 387–402.—**Oppikofer, E.** Ueber das Vorkommen von Fett in der runden Fensternische. Zschr. Ohrenh., 1917, **75**: 50–66.—**Wever, E. G., & Lawrence, M.** The functions of the round window. Ann. Otol. Rhinol., 1948, **57**: 579–89.

—— Fissula ante fenestram.

See also subdivision Development.

Anson, B. J., & Cauldwell, E. W. The fissula ante fenestram of the human temporal bone. Anat. Rec., 1946, **94**: 510. ——— The normal and the pathologic structure of the fissular region of the temporal bone. Ann. Otol. Rhinol., 1946, **55**: 700–5. Also Arch. Otolar., Chic., 1946, **44**: 641–4. ——— & **Bast, T. H.** The fissula ante fenestram of the human otic capsule; developmental and normal adult structure. Ann. Otol. Rhinol., 1947, **56**: 957–85. ——— The fissula ante fenestram of the human otic capsule; aberrant form and contents. Ibid., 1948, **57**: 103–28.—**Anson, B. J., & Martin, J.,** jr. Fissula ante fenestram; its form and contents in early life. Arch. Otolar., Chic., 1935, **21**: 303–23.—**Anson, B. J., & Wilson, J. G.** Structure of the petrous portion of the temporal bone; with special reference to the tissues in the fissular region. Ibid., 1939, **30**: 922–42.

—— Fistula.

See also **Neck,** Fistula.

Druss, J. G., & Allen, B. Congenital fistula of the neck communicating with the middle ear. Arch. Otolar., Chic., 1940, **31**: 437–43.

—— Floor [i. e., jugular wall]

See also subheading Cavum tympani; also **Jugular vein.**

Drury, D. W. Dehiscence of the floor of the middle ear. Boston M. & S. J., 1926, **195**: 657–60.—**Federici, F.** Le emorragie da paracentesi della membrana timpanica e la frequenza ed il significato della deiscenza della fossa giugulare nel cavum tympani. Arch. ital. otol., 1936, **48**: 145–84.

—— Foreign bodies.

See also subheading Injury; also **Ear, External,** Foreign bodies.

Aprile, V. Un coleottero nell'orecchio medio. Rass. ital. otorinolar., 1933, **7**: 97–111.—**Fabroni, M.** Otite media purulenta cronica da corpi estranei (frammenti di vetro) penetrati nella regione periauricolare sinistra. Valsalva, 1926, **2**: 313–5.—**Jewett, M. L.** Case of larvæ of fly in tympanum. Canad. M. Ass. J., 1925, **15**: 1053.—**Mangabeira-Albernaz, P.** Syndrome de Gradenigo par corps étranger. Arch. internat. laryng., Par., 1929, **35**: 1051–66.—**Mosher, W. F.** Foreign bodies of external canal, middle ear and mastoid and their complications; report of 3 cases. Arch. Otolar., Chic., 1942, **36**: 679–86.—**Ochs, I. L.** Foreign body of the middle ear. Ibid., 1948, **47**: 670–2.—**Pfister, F.** Beitrag zur Kasuistik der Fremdkörper in der Paukenhöhle. Zschr. Laryng., 1924–25, **13**: 279–84.—**Reis, G. dos.** Um caso interessante de corpo estranho do ouvido. Rev. brasil. otorinolar., 1940, **8**: 341–4.—**Seiffert, A.** Fremdkörper im Mittelohr. Chirurg, 1928–29, **1**: 312.

—— Fossae and sinuses.

Rainer, A. Die Verknöcherung der Fossa subarcuata unter besonderer Berücksichtigung des knöchernen Feinbaues. Zschr. Hals &c. Heilk., 1936–37, **41**: 446–63.

—— Fracture.

See subheading Injury; also **Petrous bone,** Fracture; **Temporal bone,** Fracture.

—— Function.

See also subheadings (Physiology; Sound conduction)

Della Cioppa, D. Una nuova applicazione della prova del Weber. Boll. mal. orecchio, 1932, **50**: 287.—**Esser, M. H. M.** The mechanism of the middle ear; the two piston problem. Bull. Math. Biophys., 1947, **9**: 29–40.—**Onchi, Y.** A study of the mechanism of the middle ear. J. Acoust. Soc. America, 1949, **21**: 404–10.

—— Functional test.

See also **Audiometry; Audition,** Test; **Eustachian tube,** Examination.

Batier, G. La contre-épreuve de Rinne et la simulation. Otorhinolar. internat., Lyon, 1920, **4**: 528. ——— Deuxième note sur la contre-épreuve de Rinne et la simulation. Ibid., 1921, **5**: 392–6.—**Federici, F.** Nouvelle épreuve acoustique ayant surtout pour but de déceler une ankylose entre l'étrier et la fenêtre ovale. Acta otolar., Stockh., 1931, **16**: 15–38.—**Huizinga, E.** [Tests of the function of the middle-ear] Ned. tschr. geneesk., 1939, **83**: 2390–2.—**Kobrak, F. W.** New tests and clinical experiments on hearing. J. Lar. Otol., Lond., 1940, **55**: 405–23.

—— Functional test: Tullio reaction.

Eunen, A. J. H. v., Huizing, H. C., & Huizinga, E. Die Tulliosche Reaktion in Zusammenhang mit der Funktion des Mittelohres. Acta otolar., Stockh., 1943, **31**: 265–339.—**Huizinga, E.** Die Tulliosche Reaktion in Zusammenhang mit der Funktion des Mittelohrapparates. Arch. Ohr. &c. Heilk., 1938, **145**: 447–60. Also Acta brevia neerl., 1939, **9**: 37. Also Ned. tschr. geneesk., 1939, **83**: 2389.

—— Giant-cell tumor.

Selsø, S. Et tilfælde af kæmpecelletumor i mellemøret. Nord. med., 1947, **33**: 546. Also Nord. med., 1948, **38**: 1047. Also Engl. transl., Acta otolar., Stockh., 1948, **36**: 546.

—— Gland.

Gioacchini, R. Sulla supposta presenza di glandole nella mucosa della cassa timpanica. Valsalva, 1935, **11**: 165–79.

—— Glomus tumor.

See also subdivision Paraganglion.

Lattes, R., & Waltner, J. G. Nonchromaffin paraganglioma of the middle ear; carotid-body-like tumor; glomus-jugulare tumor. Cancer, N. Y., 1949, **2**: 447–68.—**Lundgren, N.** Tympanic body tumours in the middle ear; tumours of carotid body type. Acta otolar., Stockh., 1949, **37**: 367–79, illust.

—— Hamartoma.

Mündnich, K. Ueber das Hamartom im Bereich der Paukenhöhle. Mschr. Ohrenh., Wien, 1939, **73**: 239–44.

—— Helminthosis.

Kō, G. Zi-nai yū-sei ibutu (kaityū) syōrei [Otitis media acuta verursacht durch einen lebendigen Spulwurm] Taiwan igakkai zassi, 1935, **34**: 361–3.—**Obara, U.** Yū-sei ibutu-sei tyūzien no 1 syō rei (kaityū) [case of otitis media caused by Ascaris] Otorhinolaryngologia, Tokyo, 1948, **20**: 109.—**Steinman, K. B.** Un ascaris en la apófisis mastoides. Rev. méd. Chile, 1931, **59**: 167–71.—**Takahasi, T.** Ohsikan-nai kaityū meinyū ni kiin-suru tyūzien iti rei [Otitis media acuta verursacht durch Einwanderung eines Spulwurms in die Tube] Otorhinolaryngologia, Tokyo, 1937, **10**: 1024–6.—**Uehara, Z.** Kaityū meinyū ni yoru tyūzi-en iti rei [Ascaris lumbricoides] Dōzin igaku, 1937, **10**: 761.—**Yamaguti, M.** Tyūzien keika-tyū ni mitometaru kositu-nai kaityū meinyū no iti rei [Ascaris lumbricoides in the tympanic cavity in otitis media] Zibiinkoka rinsyo, 1943, **38**: 502–6, pl.

—— Hemorrhage [incl. hematoma]

See also **Cranium,** Fracture; **Head injury; Middle-ear drumhead,** blue; **Noise,** Effect.

Bo, A. Ematoma della cassa timpanica con epifora di origine labirintica? Boll. mal. orecchio, 1924, **42**: 133–6.—**Cerqueira Falcão, E. de.** Hematoma do tympano por trauma sonoro (grito) Mem. Congr. med. (Brazil) 1936, 1. Congr., 153–5. Also Rev. otolar. S. Paulo, 1936, **4**: 629–32. Also in his Res hippocr., Santos, 1937, 54–8.—**Fontana, D.** Caso singolare di otorragia in isterica. Ann. laring., Tor., 1942, **42**: 101–8.—**Friedland, A.** [Case of arterial hemorrhage from the ear] Vest. otorinolar., 1939, No. 6, 92.—**Lima, C.** Otorragia de causa ignorada, provavelmente menstrúal. Bahia méd., 1935, **6**: 125.—**Meyrelles do Souto, A.** O valor semiológico da otorragia. Amatus Lusitanus, Lisb., 1945, **4**: 132–42.—**Popper, J.** Bulbusblutung aus dem Mittelohr. Mschr. Ohrenh., Wien, 1949, **83**: 36.—**Thormann, H.** Ueber Röntgenbestrahlung der Milz zur Stillung schwerer Blutungen im Bereich der oberen Luftwege und des Ohres. Zschr. Hals &c. Heilk., 1928, **21**: 551–62.

—— Hernia.

See also **Middle-ear drumhead,** Hernia.

De Lens, A. S. Gryzha barabannoĭ polosti. Russk. vrach, 1905, **4**: 496. Also Ann. mal. oreille, 1905, **31**: 241–4.

—— Hydrotympanum.

See also subdivision Allergy.

Claus, G. Gibt es einen sogenannten Hydrops tympani ex vacuo beim Menschen? Zschr. Hals &c. Heilk., 1933, **33**: 162–73.—**Dishoeck, H. A. E. v.** Hydrotympanum in the different clinical aspects of the tubo-tympanical catarrh. Acta otolar., Stockh., 1948, **36**: 429–36. ——— Ex-vacuo-theorie voor hydrotympanum. Ned. tschr. geneesk., 1948, **92**: 3586.—**Lannois, M.** Hydropisie chronique de l'oreille moyenne et de la mastoïde. Ann. otolar., Par., 1932, 737–40.—**Shahinian, L.** Fluid in the middle ear. Arch. Otolar., Chic., 1943, **38**: 328–37.—**Staffieri, M.** Idrope acuto allergico dell'orecchio medio provocato da antigeni cutanei diagnostici. Arch. ital. otol., 1947, **58**: 111–5.

—— Infection.

See with **Middle-ear inflammation.**

—— Inflammation.

See as main heading **Middle-ear inflammation.**

—— Inflation [incl. insufflation]

See also subheading Pressure; also **Eustachian tube,** Catheterization.

Arnold, G. Zwei Vorschläge zur Erleichterung der Durchblasung der Ohrtrompete. Mschr. Ohrenh., Wien, 1944, **78**: 146–52.—**Borries, G. V. T.** Nystagmus bei Lufteinblasungen in das Mittelohr. Ibid., 1930, **64**: 730–45.—**Cambrelin.** Modification de la méthode de Crowe. Ann. otolar., Par., 1948, **65**: 786–8. ——— Statistiques provisoires de la méthode de Crowe. Acta otorhinolar., Brux., 1949, **3**: 507–10.—**Delsaux.** Le bougirage à l'adrénaline de la trompe d'Eustache. Bull. Soc. belge otol., 1902, **7**: 153–5.—**Favre, F.** Sensibilisation de la manoeuvre de Valsalva. Ann. otolar., Par., 1934, 514.—**Fowler, E. P., jr.** A simple politzerization instrument. Air Surgeon's Bull., 1945, **2**: 92.—**Heyninx.** Un instillateur ototubaire. Bull. Soc. belge otol., 1906–07, **12**: 36–43.—**Holmgren, G.** Die Bedeutung der Kopfstellung bei Lufteinblasung ins Mittelohr. Mschr. Ohrenh., Wien, 1931, **65**: 1379–83.—**Kiml, J.** Kritika Politzerovy akustické vyšetřovací methody průchodnosti Eustachovy trubice. Voj. zdrav. listy, 1949, **18**: 336–40.—**Koenig, C. J.** Contribución al estudio del bujiraje de la trompa de Eustaquio; modificación de la sonda de Itard permitiendo simultáneamente la ducha de aire comprimido y la introducción sin dolor de la bujía. Bol. lar. otol., Madr., 1904, **4**: 434.—**Langénieux, J.** Le service des insufflations tubo-tympaniques de l'Etablissement thermal d'Allevard. Otorhinolar. internat., Lyon, 1934, **18**: 817–21.—**McBean, G. M.** Valsalva's method of inflating the middle ear. J. Am. M. Ass., 1942, **120**: 642.—**Mezrin, M.** [Method in determining the permeability of the Eustachian tubes in recruiting of aviators] Voen. san. delo, 1935, 82–6.—**Stefanini, A.** La prova pneumotimpanica. Arch. ital. otol., 1931, **42**: 305.

—— Injury.

See also subheading Foreign bodies; also **Cranium,** Fracture; **Head injury; Middle-ear drumhead,** Injury; **Middle-ear inflammation,** traumatic.

Arslan, K. Asimmetria tonica del padiglione auricolare nel coniglio in seguito a lesione dell'orecchio medio. Arch. fisiol., Fir., 1932–33, **31**: 235–49.—**Bourgeois, H.** La blessure du tympan. Progr. méd., Par., 1938, 17.—**Cheval, V.** Blessure des méninges, du cerveau et du ventricule latéral gauche par corps étranger ayant pénétré par l'oreille; méningite; trépanation; guérison. Bull. Soc. belge otol., 1906–07, **12**: 73–6.—**Grandjean, H.** Lésion traumatique du tympan; commotion labyrinthique. Rev. méd. Suisse rom., 1933, **53**: 34.—**Grove, W. E.** Management of injuries to middle and internal ear including fractures of the temporal bone. Tr. Am. Otol. Soc., 1941, **31**: 264–72. Also Laryngoscope, 1941, **51**: 957–63. Also Arch. Otolar., Chic., 1942, **35**: 170–2.—**Hildmann.** Ungewöhnliche Verletzung des Mittelohrs. Münch. med. Wschr., 1936, **83**: 1090.—**Kleyn, A. P. H. A. de.** [Injuries of the middle and internal ear through carelessness] Ned. tschr. geneesk., 1940, **84**: 682–8.—**Kramm, H.** Schädigungen des Mittelohres durch Bestrahlung. Zschr. Laryng., 1934, **25**: 167–72.—**Miodoński, J.** [Anisocoria resulting from injury to the middle ear] Polska gaz. lek., 1931, **10**: 134. Also Otolar. slav., Praha, 1931, **3**: 56–60.—**Monteiro, A.** Trauma do timpano. Acta med., Rio, 1941, **7**: 101–4.—**Rudkov, G.** [Symptoms of the middle ear in closed trauma of the skull] Voen. san. delo, 1935, 37–40.—**Tetera, F.** [Affections of the middle ear following injuries] Bratisl. lek. listy, 1938, **18**: 262–4.—**Whittaker, R.** Wounds in the ear and mastoid region. J. Lar. Otol., Lond., 1944, **59**: 205–17.—**Zbrozhek, V. R.** [Clinical aspect of injury of the middle ear due to lightning] Vest. sovet. otorinolar., 1933, **26**: 197–9.

—— Injury: Barotrauma.

See with **Middle-ear inflammation**, Aero-otitis.

—— Injury: Blast injury.

See also **Explosion**; **Middle-ear drumhead, Injury: Protection.**

Alexander, A. B. Blast injuries to the ear. Med. Press & Circ., Lond., 1943, **209**: 249–51.—**Bettington, R. H. B.** Injuries to the ear due to blast. Med. J. Australia, 1945, **2**: 210.—**Craig, D. H.** Explosion injuries of the ear. Practitioner, Lond., 1940, **145**: 400–4. ——— Blast injuries of the ear. J. Lar. Otol., Lond., 1944, **59**: 443–56.—**Escher.** Trouble réflexe extenso-progressif consécutif à un traumatisme acoustique. Praxis, Bern, 1947, **36**: 16.—**Grossman, F. M.** Sound transmission through the ear and its relation to sound injury. Ann. Otol. Rhinol., 1943, **52**: 666–74.—**Henry, G. A.** Blast injuries of the ear. Laryngoscope, 1945, **55**: 663–72.—**Korkis, F. B.** Effect of blast on the human ear. Brit. M. J., 1946, **1**: 198–201.—**Paredero del Bosque, J.** Lesiones de tímpano por causa traumática indirecta, ruido, mortero, explosiones, etc. Sem. méd. españ., 1941, **4**: pt 2, 322–6.—**Perlman, H. B.** Observations on acoustic trauma in war and in peace. Ann. Otol. Rhinol., 1942, **51**: 541–4 (Abstr.)—**Rüedi, L.**, & **Furrer, W.** Tonhöheempfindung (pitch) und akustisches Trauma. Experienta, Basel, 1945–46, **1**: 201. ——— Das akustische Trauma. Pract. otorhinolar., Basel, 1946, **8**: 177–372, pl., Disc., 504. Also Schweiz. med. Wschr., 1946, **76**: 843–51.—**Schmidt, M.** Das akustische Trauma. Ibid., 1945, **75**: 978.—**Zangemeister.** Die Hamburger Erfahrungen bei Luftstoßschäden des Ohres. HNO, Berl., 1947–48, **1**: 136.

—— Injury: Blast injury: Military aspect.

Collier, D. J. Injuries to the ear in war time. Med. Press & Circ., Lond., 1942, **207**: 337.—**Gehörschädigungen** im Kriege. Praxis, Bern, 1942, **31**: 712.—**Hofer, I.** Ueber indirekte Kriegsverletzungen des Gehörorgans durch Luftdruck infolge Granat-, Schrapnell- und Minenexplosionen, Abfeuerns schwerer und schwerster Granaten und Platzens von Bomben. In: Urbantschitsch Festschrift, Wien, 1919, 343–72.—**Käser, R.** Beitrag zur Frage des akustischen Traumas im Militärdienst. Schweiz. med. Wschr., 1949, **79**: 990.—**Kiml, J.** Charakteristické audiometrické vzorky poškození sluchu střelbou. Voj. zdrav. listy, 1949, **18**: 210–2.—**Krassnig, M.** Ueber die Hörstörungen durch Geschossplatzungen und ohrnahe Knochenschüsse. Mschr. Ohrenh., Wien, 1949, **83**: 249–57.—**Lawner, S.** Kriegserfahrungen über die Explosionsschädigungen des Ohres. In: Urbantschitsch Festschrift, Wien, 1919, 389–402.—**Lukovsky, L. A.** Kommocionno-kontuzionnoe porazhenie ukha po materialam frontovogo hospitalja. Vest. otorinolar., 1948, 25–32.—**Mühlberg.** Das akustische Trauma im Militärdienst Schweiz. med. Wschr., 1949, **79**: 990.—**Oyarzún Day, J.** Las heridas del timpano en las guerras modernas. Congr. med. cir. nav. mil. Chile, 1929, 585–8.—**Rigaud, M.** Les traumatismes de guerre de l'oreille interne. Rev. Serv. san. mil., Par., 1940, **112**: 443–65.

—— Injury, gunshot.

Albernaz, M. Síndroma de Gradcnigo; bala no ouvido; síndroma de Gradenigo com paralisia do facial dois anos após o trauma; intervenção e cura; reincidência; intervenção e morte por abcesso do cérebro. Rev. otoneur., B. Air., 1929, **4**: 117–31.—**Guillermin & Guillermand.** Eclat de grenade de l'attique; extraction par voie d'accès postéro-supérieure respectant le tympan. Lyon méd., 1947, **177**: 119.

—— Innervation.

See also subdivisions (Muscle; Paratympanic organ)

Bötner, V. Sulle comunicazioni nervose tra orecchio medio ed interno attraverso la parete mediale della cassa timpanica. Atti Soc. med. chir. Padova, 1947, **25**: 320–5, illust.—**Ernyei, S.**, & **Bacsich, P.** Ein Beitrag zur Kenntnis der Nerven und Ganglien der Paukenhöhle bei Ratten und Meerschweinchen. Zschr. Hals &c. Heilk., 1934–35, **37**: 276–83.—**Manasse, P.** Ueber die Empfindlichkeit des Trommelfells und der Paukenhöhlenschleimhaut für äussere Reize unter normalen und pathologischen Verhältnissen. Zschr. ges. exp. Med., 1926, **50**: 477–87.—**Tuchiya, S.** Studien über das Nervengewebe in der Auskleidung der Paukenhöhle und der Mastoidealzellen. Zschr. Otorhinolar., Tokyo, 1938, **44**: 88–90.

—— Insufficiency.

Kobrak, F. Die Mittelohrinsuffizienz, eine funktionelle Miterkrankung des Mittelohrs. Pract. otorhinolar., Basel, 1938, **1**: 293–300.

—— Irrigation and suction.

Bernovits, M. Modifizierter Attikspülapparat nach Prof. Rejtö. Zschr. Hals &c. Heilk., 1930, **26**: 42.—**Leasure, J. K.** Tympanic cavity irrigation. Tr. Indiana Acad. Ophth. Otolar., 1941, **25**: 39–46. Also Ann. Otol. Rhinol., 1942, **51**: 253–6.—**Sharrett, G. O.** Middle ear suction canula with handle instrument shown. Tr. Am. Lar. Rhin. Otol. Soc., 1927, **33**: 373.

—— Juxtatympanic membrane.

Baurowicz, A. [Terminology of juxtatympanic membrane] Polska gaz. lek., 1928, **7**: 199.

—— Lymphatics.

Della Cioppa, D. Ricerche embriologiche ed istologiche sulla mucosa della cassa timpanica per la discussa presenza di proliferazioni ghiandolari. Arch. ital. laring., 1940–41, **55**: 129–51.—**Tanturri, D.** Die Lymphbahnen zwischen Mittelohr und Schädelinnerem. Mschr. Ohrenh., Wien, 1930, **64**: 1005–15.

—— Meningocele.

See also **Meningocele.**

Clerc. Un accident rare et imprévisible de la paracentèse du tympan; l'ouverture d'un méningocèle de la caisse. Ann. otolar., Par., 1944–45, 106–8.

—— Mucosa [incl. folds]

See also subheadings (Gland; Lymphatics)

Alexander, G. Zur Histologie der Mittelohrschleimhaut. Mschr. Ohrenh., Wien, 1927, **61**: 446–50, pl.—**Meyer, M.** Ueber Konstitution und Mittelohrschleimhaut. Zschr. Hals &c. Heilk., 1931, **29**: 106–13.—**Papale, R.** Pliche mucose dell'orecchio medio ed arresto di sviluppo embrionale. Arch. ital. otol., 1925, **36**: 323–30.—**Schwarz, M.** Das individuelle Verhalten der Schleimhaut propria im Mittelohr in ihrer Entwicklung und ihrem Gewebsaufbau. Zschr. Hals &c. Heilk., 1931, **29**: 98–106, Disc., 113.—**Sternberg, H.** Ueber therapeutische Jodinjektionen (freies Jod in Spuren) bei sekretorischen Störungen der Schleimhaut der Tuben und des Mittelohres. Wien. med. Wschr., 1927, **77**: 1103–5.—**Wittmaack, K.** Ueber die Entstehung der Schleimhautkonstitution des Mittelohres. Acta otolar., Stockh., 1937, **25**: 414–29.

—— Muscles.

Altmann, F. Zur Kenntnis der überzähligen Mittelohrmuskeln. Arch. Ohr. &c. Heilk., 1932, **133**: 28–37.—**Chin, K.** Ueber die Wirkung des entweder lange dauernden oder mit regelmässigen Pausen sich wiederholenden starken Klingelns auf die Mittelohrmuskeln beim Meerschweinchen. Jap. J. M. Sc., Anat., 1940, **8**: Proc., 61. ——— Histologische Untersuchung über die Mittelohrmuskeln; Veränderungen der Muskeln durch langdauernden Schallreiz (Versuche an Meerschweinchen) Okajimas fol. anat., 1941, **20**: 299–305. ——— Wirkung von intermittierenden Schallreizen (Versuche an Meerschweinchen) Ibid., 307–10.—**Emanuel, E.** A case of clicking ears. Brit. M. J., 1946, **2**: 652.—**Fontes, V.** Contribuição para o estudo dos músculos intrinsecos da orelha e das inserções auriculares dos extrínsecos. Arq. anat., Lisb., 1939–40, **20**: 75–87.—**Hallpike, C. S.** On the function of the tympanic muscles. Proc. R. Soc. M., Lond., 1934–35, **28**: 226–33. Also J. Lar. Otol., Lond., 1935, **50**: 362–9, pl.—**Kobrak, F. W.** A study of the activities of the intratympanic muscles. Proc. R. Soc. M., Lond., 1941–42, **35**: 791.—**Kobrak, H.** Untersuchungen über die pathologische Physiologie der Paukenmuskeln. Beitr. Anat. Ohr., 1932, **30**: 255–73.—**Krassnig, M.** Das Zusammenspiel der beiderseitigen Binnenohrmuskel. Zschr. Hals &c. Heilk., 1938, **44**: 362–5.—**Tada, S.** Zi-nai nisyōkin-nai sibō-sosiki ni kan-suru kenkyū [Fettgewebe der Binnenohrmuskeln] Tohoku igaku zassi, 1936, **19**: Suppl. 2, 71–108, 2 pl. Also Mitt. allg. Path., Sendai, 1936, **9**: 65–80, 2 pl. Also Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 5.—**Thielemann.** Muskelschmarotzer in der Binnenohrmuskulatur. Zschr. Hals &c. Heilk., 1928, **21**: 547–50.—

Toti, E. Ricerche di anatomia patologica sui muscoli della cassa timpanica [46 cases] Arch. ital. otol., 1927, **38:** 406–35, 3 pl.—**Tukamoto, H., & Sinomiya, M.** Binnenohrmuskeln und Steigbügel. Zschr. Hals &c. Heilk., 1934–35, **37:** 249–54. ——— **& Toida, M.** Binnenohrmuskeln und Trommelfell. Arch. Ohr. &c. Heilk., 1936, **141:** 185–94.—**Wiggers, H. C.** The functions of the intra-aural muscles. Am. J. Physiol., 1937, **120:** 771–80.

—— Muscles: Laxator tympani.

Walls, E. W. The laxator tympani muscle. J. Anat., Lond., 1946, **80:** 210.

—— Muscles: Reflex.

Kobrak, H. Beobachtungen des Stapediusreflexes am Menschen. Zschr. Hals &c. Heilk., 1932, **32:** 8–22. ——— Utilization of the tensor tympani muscle reflex in the analysis of the function of the middle and internal ear structures. Ann. Otol. Rhinol., 1936, **45:** 830–7. ——— **Lindsay, J. R.** [et al.] The effect of limited cochlear lesions on cochlear potentials and middle ear muscle reflexes. Am. J. Physiol., 1936, **116:** 93. Also Arch. Otolar., Chic., 1938, **27:** 59–66.—**Lorente de No, R.** Acoustic reflexes on the muscles of the middle ear (preliminary communication) Laryngoscope, 1932, **42:** 801. ——— **& Harris, A. S.** Experimental studies in hearing; the threshold of the reflexes of the muscles of the middle ear; the hearing-loss after extirpation of the tympanic membrane. Ibid., 1933, **43:** 315–26.—**Perlman, H. B., & Case, T. J.** Latent period of the crossed stapedius reflex in man. Ann. Otol. Rhinol., 1939, **48:** 633–76.

—— Muscles: Stapedius.

Lindsay, J. R., Kobrak, H., & Perlman, H. B. Relation of the stapedius reflex to hearing sensation in man. Arch. Otolar., Chic., 1936, **23:** 671–8.—**Portmann, M.** Le muscle du marteau; son innervation. Rev. laryng., Bord., 1949, **70:** 534–46.—**Schimert, J.** Zur Entwicklungsgeschichte des Musculus stapedius beim Menschen. Anat. Anz., 1933, **76:** 317–32.

—— Muscles: Tensor tympani.

May, H. *Ueber die Fetteinlagerungen im Musc. tensor tympani [Würzburg] 8p. 8° Berl., 1934.

Lüscher, E. Ueber reflektorische Trommelfellbewegungen und über die Funktion des Musculus tensor tympani beim Menschen. Zschr. Hals &c. Heilk., 1930–31, **28:** 40–57.—**Malan, E.** Decorso spirale ed irregolare delle miofibrille nel muscolo tensore del timpano. Boll. Soc. ital. biol. sper., 1932, **7:** 533. ——— Morfologia comparata del muscolo tensor tympani. Zschr. Anat. Entw., 1934, **103:** 409–37.—**May, H.** Ueber die Fetteinlagerungen im Musculus tensor tympani. Beitr. prakt. theor. Hals &c. Heilk., 1934–35, **31:** 361–8.—**Romano, S.** Le connessioni tra il tensor tympani e il tensor veli palatini nell'embrione umano. Valsalva, 1926, **2:** 515–7, pl.—**Smith, H. D.** Audiometric effects of voluntary contraction of the tensor tympani muscles. Arch. Otolar., Chic., 1943, **38:** 369–72.—**Spiesman, I. G.** Ueber die Fetteinlagerungen im Musculus tensor tympani am gesunden und am kranken Ohr nebst entwicklungsgeschichtlichen und vergleichend-anatomischen Bemerkungen. Mschr. Ohrenh., Wien, 1927, **61:** 971–83.—**Torre, M.** Dati quantitativi sulla innervazione del muscolo tensore del timpano. Riv. otoneur., 1948, **23:** 306.—**Wagner, R.** Ueber den Rhythmus des Tensor tympani bei willkürlicher Innervierung. Zschr. Biol., 1924, **81:** 217–23.—**Wassif, K.** The processus muscularis and the tensor tympani muscle of bats. Nature, Lond., 1946, **157:** 877.—**Wever, E. G., & Bray, C. W.** The tensor tympani muscle and its relation to sound conduction. Ann. Otol. Rhinol., 1937, **46:** 947–61.

—— Mycosis.

See also subheadings (Actinomycosis; Sporotrichosis)

Shea, J. J. Mycosis of the middle ear and mastoid. Tr. Am. Otol. Soc., 1942, **32:** 39–48. Also Laryngoscope, 1942, **52:** 784–9. Also Arch. Otolar., Chic., 1943, **37:** 125 (Abstr.)—**Sollini, A.** Ascesso retro-mastoideo prodotto da Oidium albicans. Arch. ital. sc. med. col., 1935, **16:** 218–22.

—— Myiasis.

Dudarev, K. S. [Chronic suppurative otitis complicated by fly larvae] Vest. otorinolar., 1940, No. 11, 116.—**Gil y Gil, L. M.** Mastoiditis por euliasis. Rev. clín. españ., 1949, **35:** 332.—**Keresztesi, I. T.** Ein wirksames Mittel zur Vertilgung der Fliegenmaden im eiternden Ohr. Mschr. Ohrenh., Wien, 1944, **78:** 159.—**Maggots** in the middle ear. South. M. & S., 1942, **104:** 479.—**Pérez Ruiz, J.** Miasis otomastoidea. Medicamenta, Madr., 1949, **7:** pt 2, 286–8.

—— Myosarcoma.

See also subheading Sarcoma.

Karatay, S. Rhabdomyosarcoma of the middle ear. Arch. Otolar., Chic., 1949, **50:** 330–4.

—— Myxosarcoma.

See also subheading Sarcoma.

Borriglione, G. B. Mixosarcoma della mastoide. Ann. laring., Tor., 1942, **42:** 70–8.

—— Ossicles.

See also **Ear ossicles; Incus;** also subheading Sound-conduction: Apparatus.

Anson, B. J. The development of the auditory ossicles in man. Anat. Rec., 1946, **94:** 447. ——— Development of the auditory ossicles. Laryngoscope, 1946, **56:** 561–9. Also Tr. Am. Otol. Soc. (1946) 1947, **34:** 22–31. ——— The adult structure of the temporal bone and auditory ossicles in the light of their development. Ibid., 1948, **36:** 84–9. ——— The development of the auditory ossicles and the temporal bone; a summary of research. Arch. Otolar., Chic., 1949, **49:** 230–4. ——— **& Bast, T. H.** The development of the auditory ossicles and associated structures in man. Ann. Otol. Rhinol., 1946, **55:** 467–94. ——— Development of the auditory ossicles, otic capsule and air cells of the temporal bone. Anat. Rec., 1948, **100:** 636.—**Ardouin, P.** Contribution à l'étude de la chaîne des osselets de l'ouïe chez les mammifères placentaires. Rev. laryng., Bord., 1941, **62:** 1; passim.—**Higasi, T.** Nippon-zin taizi tyōsyōkotu no keitai no keisoku teki kansatu [measurements of the shape of the small bones of the ear of Japanese fetuses] Keiō igaku, 1944, **24:** 463; 481.—**Nelson, E. M.** The comparative morphology of the Weberian apparatus of the Catostomidae and its significance in systematics. J. Morph., 1948, **83:** 225–51, incl. 3 pl.—**Stroganov, S. U.** Morphological characters of the auditory ossicles of recent Talpidae. J. Mammal., 1945, **26:** 412–20.—**Tukawaki, T.** Ueber die Entwicklung des Meckelschen Knorpels, mit besonderer Berücksichtigung der Beziehung zwischen dem Meckelschen Knörpel und den Gehörknöchelchen. Jap. J. M. Sc., Anat., 1940, **8:** Proc., 47.—**Tumarkin, A.** On the phylogeny of the mammalian auditory ossicles. J. Lar. Otol., Lond., 1948, **62:** 687–90.—**Weil, R.** Development of the ossicula auditoria in the opossum. Ann. N. York Acad. Sc., 1899, **12:** pts 2/3, 103–12.—**Westoll, T. S.** New light on the mammalian ear ossicles. Nature, Lond., 1944, **154:** 770.

—— Ossicles: Articulations and ligaments.

Capello, A. La connessione incudo-timpanica di alcuni mammiferi domestici. Arch. ital. otol., 1948, **59:** 49–88.—**Davies, D. V.** A note on the articulations of the auditory ossicles and related structures. J. Lar. Otol., Lond., 1948, **62:** 533–6, 2 pl.—**Stuhlman, O., jr.** Mechanical advantage of the malleus-incus articulation. In his Introd. Biophysics, N. Y., 1943, 271.—**Tanturri, V., & Malan, E.** La connessione incudo-timpanica nei roditori. Rass. ital. otorinolar., 1936, **10:** 1–31.

—— Ossicles: Disease.

Keen, J. A. The ossicles in middle-ear suppuration and their comparative size in children and adults. J. Lar. Otol., Lond., 1927, **42:** 174–80. ——— Ankylosis of the malleus and incus. Ibid., 1930, **45:** 848–54, pl.—**Kelemen, G.** Zur Pathologie der Hammer-Ambossverbindung. Arch. Ohr. &c. Heilk., 1929–30, **124:** 254–75.—**Runström, G.** [Roentgen anatomy of the ossicles and roentgen pathology with changes originating from the middle ear] Hospitalstidende, 1937, **80:** Dansk. radiol. selsk. forh., 34–9.

—— Ossicles: Malleus.

Higasi, T. Nippon-zin taizi tyōsyōkotu no keitai no keisokuteki kansatu; dai ni hen, tinkotu tuikotu [measurements of the shape of the small bones of the ear of Japanese fetuses; the incus and the malleus] Keiō igaku, 1944, **24:** 481–98.—**Keller, A. P., jr.** Fracture of the malleus. Eye Ear &c. Month., 1949, **28:** 531.—**Leblanc, E., & Torreilles, J.** L'appareil fibreux tympano-malléolaire. Ann. anat. path., Par., 1935, **12:** 797–806.—**Wassif, K.** Anterior process of the malleus in rodents. Nature, Lond., 1946, **157:** 630.

—— Ossicles: Stapes.

See also subdivision Development.

Altmann, F., & Waltner, J. G. Slight operative injuries of the stapes; histopathologic study of a case. Arch. Otolar., Chic., 1945, **42:** 42–6.—**Anson, B. J.** Major features in the developmental history of the human stapes. Q. Bull. Northwest. Univ. M. School, 1940, **14:** 250–7. ——— Development of the human stapes. Arch. Otolar., Chic., 1942, **36:** 449–51. ——— **& Cauldwell, E. W.** Growth of the human stapes. Q. Bull. Northwest. Univ. M. School, 1941, **15:** 263–9. ——— The developmental anatomy of the human stapes. Ann. Otol. Rhinol., 1942, **51:** 891–904. Disc., 1943, **52:** 245–7. ——— **& Reimann, A. F.** Terminal stages in the development of the human stapes. Ibid., 1944, **53:** 42–53. ——— The human stapes, a nonconformist among bones. Anat. Rec., 1944, **88:** 421. Also Q. Bull. Northwest. Univ. M. School, 1944, **18:** 33–40.—**Bartoli, D.** Il foro acustico e il martello nell'orecchio. In: Antologia d. prosa sc. ital. d. seicento (Falqui, E.) Fir., 1943, **2:** 419–21.—**Beaton, L. E., & Anson, B. J.** Adult form of the human stapes in the light of

its development. Q. Bull. Northwest. Univ. M. School, 1940, **14**: 258–69.—**Békésy, G.** Suggestions for determining the mobility of the stapes by means of an endotoscope for the middle ear. Laryngoscope, 1950, **60**: 97–110, illust.—**Boström, H.** Fall av stapesluxation vid direkt trauma mot trumhinnan. Nord. med., 1946, **30**: 790.—**Constas, N. P.** Un cas d'ankylose stapédienne unilatérale. Ann. mal. oreille, 1930, **49**: 728.—**Evans, T. H.** Stapes human (left) from Lake Pelican area, Minnesota; other ear ossicles. Anat. Rec., 1950, **106**: 302.—**Higasi, T.** Nippon-zin taizi tyōsyōkotu no keitai no keisoku-teki kansatu; dai ippen, tōkotu [measurements of the shape of the small bones of the ear of Japanese fetuses; the os stapedius] Kciō igaku, 1944, **24**: 463–80.—**Jager, E. F. J. de.** Some points in the development of the stapes of Ichthyophis glutinosus. Anat. Anz., 1947–48, **96**: 203–10.—**Merelli, G.** Ulteriore contributo allo studio delle prove per la ricerca dell'anchilosi stapedio-ovalare. Valsalva, 1926, **2**: 433–8.—**Wolff, D.** An exostosis causing pressure erosion and ankylosis of the stapes. Arch. Otolar., Chic., 1932, **15**: 258–60.

—— Ossicles: Surgery.

See also **Middle-ear inflammation,** Otorrhea.

Bowen, H. M. Ossiculectomy. Canad. M. Ass. J., 1943, **49**: 46.—**Horiuti, J.** Untersuchung von Gehörknöchelchen, die bei der Radikaloperation des Mittelohrs entfernt wurden. Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 16.—**Petsch, J.** Frische und ausgeheilte operative Fussplattenverletzung des Steigbügels. Zschr. Hals &c. Heilk., 1943–44, **49**: 197–226.—**Rubaltelli, E.** Chirurgia endo-timpanica; l'ossiculectomia nelle otorree. Arch. ital. otol., 1931, **42**: 530–49.

—— Otalgia.

See also **Earache**; **Mastoiditis,** Manifestation; **Middle-ear inflammation,** Manifestation.

Benevides, W. Otalgias. An. otorinolar., Recife, 1936, **2**: 28–58.—**Fridenberg, P.** The clinical significance of otalgia. Tr. Am. Acad. Ophth. Otolar., 1905, **10**: Otolar. Sect., 216–24.—**Gatscher, S.** Ein Diagnostikum bei Otalgie. Wien. klin. Wschr., 1942, **55**: 190.—**Gorokhov, A. V.** [Application of novocain block in otalgias] J. ushn. nosov. gorlov. bolez., 1941, **18**: 42–4.—**Kretschmann, F.** Beitrag zur Entstehung des nichtentzündlichen Ohrschmerzes. In: Urbantschitsch Festschrift, Wien, 1919, 382–8.—**Liaras, G., & Bouyer, A.** De las algias histéricas de la mastoides, pseudomastoiditis. Bol. lar. otol., Madr., 1901, **1**: 158–60.—**Moritz, W.** Zur Theorie der Reflexotalgie. Zschr. Laryng., 1948, **1**: 282–6.—**Pouliot, G. E.** Otalgies sans otite. Union méd. Canada, 1943, **72**: 212 (Abstr.)—**Schugt, H. P.** Pain referred to the face, neck, upper extremity and chest due to lesions in the ear; report of 2 cases. Arch. Otolar., Chic., 1944, **39**: 430.—**Starna, A.** Il dolorc d'orecchio. Assist. san., Roma, 1933, **2**: 246.—**Szende, B.** [Otalgia irradiata] Orv. hetil., 1938, **82**: mell. 36.

—— Paraganglion.

See also subheading Glomus tumor.

Watzka, M. Paraganglion tympanicum? Anat. Anz. 1932, **74**: 241.

—— Paratympanic organ [1911, Vitali]

See also **Branchial apparatus.**

Benjamins, C. E. Einiges über die Entwicklung der Innervation des von Vitali entdeckten Sinnesorgans im Mittelohr der Vögel. Anat. Anz., 1925–26, **60**: 129–37. Also Ned., tschr. geneesk., 1926, **70**: pt 2, 458. Also Rev. laryng., Par., 1926, **47**: 58–61. ——— L'organe paratympanique de Vitali, soi-disant organe du vol des oiseaux, chez le pingouin. Acta otolar., Stockh., 1939, **27**: 266–70, illust.—**Federici, F.** Ueber die Innervation des von Vitali entdeckten Sinnesorgans im Mittelohr der Vögel (sogenannten paratympanischen Organs) Anat. Anz., 1926–27, **62**: 241–54.—**Giussani, M.** Nota sulla innervazione dell'organo paratimpanico del Vitali. Arch. ital. otol., 1928, **39**: 120–40, 2 pl.—**Ikeda, Y., Yokote, S.** [et al.] Vitali-si ki no hikaku-kaibōgaku narabi ni hassei-gaku-teki kenkyū; dai ippō, Vitali-si ki no has-seigaku-teki tiken hoi [studies of Vitali's organ from the point of view of comparative anatomy and of embryology; supplement to information on Vitali's organ from the standpoint of embryology] Nagasaki igakkai zassi, 1940, **18**: 75–85, 6 pl.—**Ohmura, Y.** Vitali-si-ki no hikaku-kaibōgaku narabi-ni hasseigaku-teki kenkyū; Vitali-si-ki no keitai to sihai-sinkei no keiro ni kan-suru tiken hoi [comparative anatomical and genetic studies on Vitali's organ ("paratympanic organ") supplementary information on the morphology of Vitali's organ and on the path of the regulatory nerves] Ibid., 1942, **20**: 1221–46, 3 pl.—**Vitali, G.** Alcune considerazioni sulla pubblicazione del Prof. Benjamins della presenza dell'organo paratimpanico nel pinguino. Anat. Anz., 1941, **91**: 364–8.

—— Perithelioma.

See also subheading Endothelioma.

Matusevich, J. Fibro-angioma-peritelioma de oído medio; peripecias diagnósticas y terapéuticas. Rev. As. méd. argent., 1946, **60**: 239–41.

—— Pharmacology.

Czurda, O. Klinische Erfahrungen mit Otodyn. Prakt. Arzt, Wien, 1949, **3**: 186.—**Ognibene, S.** Ageusia produzida por instilação medicamentosa no ouvido. Rev. brasil. otorinolar., 1940, **8**: 54–6.—**Wood, E. L.** A new drug for treatment of the Eustachian tube and middle ear, with an apparatus for its use. Arch. Otolar., Chic., 1935, **21**: 588–90.—**Yamakawa, K.** Die Wirkung der arsenigen Säure auf das Ohr. Arch. Ohr. &c. Heilk., 1929, **123**: 238–96.

—— Physiology.

See also subheading Function; also **Ear,** Physiology; **Middle-ear drumhead,** Physiology.

Byrne, J. G. Studies on the physiology of the middle ear. 298p. 8° Lond., 1938.

Della Cioppa, A. Sur la physiologie de l'oreille moyenne. Rev. laryng., Bord., 1935, **56**: 1215–9. Also Boll. mal. orecchio, 1936, **54**: 201–7. Also Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 444–6.—**Philip, R.** La physiologie de l'oreille moyenne. Rev. laryn., Par., 1932, **53**: 695–748.

—— Pneumatization.

See also **Middle-ear inflammation,** Pneumatization aspect.

Albrecht, W. Zur Frage der Pneumatisation des Mittelohres; histologische Untersuchungen am Schläfenbein des Neugeborenen. Acta otolar., Stockh., 1930, **14**: 221–8.—**Forester, H. B.** Pneumatic spaces in the petrous bone and their communications with the middle ear. Summaries Doct. Diss. Univ. Wisconsin, 1940, **4**: 3–5.—**Vau, E.** Ueber die Zweiteilung der Bulla tympanica beim Rinde. Anat. Anz., 1938–39, **87**: 125–35.—**Yamashita, K., & Kurata, T.** Beiträge zur Pneumatisation des Schläfenbeins. Zschr. Otorhinolar., Tokyo, 1938, **44**: 139.

—— Polypus.

See also **Middle-ear inflammation,** Complication.

García Tapia, A. Pólipo aéreo del tímpano. In his Antología, Madr., 1945–46, **2**: 24–6.—**Lederer, F. L.** Clinical significance of aural polyps. Arch. Otolar., Chic., 1941, **33**: 1008–27.—**Piazza, A.** De l'utilité de monter avec du crin de cheval le serre-noeud pour polypes de l'oreille. Otorhinolar. internat., Lyon, 1922, **6**: 513.—**Schwabach, D.** Ohrpolypen. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, **11**: 26–31.—**Seydell, E. M.** Ear polypi in acute otitis media. Ann. Otol. Rhinol., 1925–26, **34**: 925–31.—**Simonetta, B.** I polipi dell'orecchio medio; considerazioni sulla loro struttura (con speciale riguardo alla questione dei microcolesteatomi) e sui loro rapporti con gli pseudo-botriomicomi. Otorinolar. ital., 1934, **4**: 535–51.—**Trétrôp.** Neuf cas de polypes auriculaires. Bull. Soc. belge otol., 1903, **8**: 39–45.—**White, L. E., & Quevedo, J.** Chronic suppurative otitis media on the right, with labyrinthitis following the removal of an aural polyp. Arch. Otolar., Chic., 1942, **35**: 344–6.—**Worms.** Polypose récidivante de la caisse du tympan. Ann. otolar., Par., 1935, 1114.

—— Pressure.

See also subheadings (Aviation aspect; Inflation) also **Middle-ear drumhead,** Relaxation; **Middle-ear inflammation,** Aero-otitis.

Van den Borg, R. E. Een onderzoek naar den druk in het cavum tympani bij schoolkinderen. Ned. tschr. geneesk., 1942, **86**: 53–5.—**Wever, E. G., Bray, C. W., & Lawrence, M.** The effects of pressure in the middle ear. J. Exp. Psychol., 1942, **30**: 40–52.—**Wever, E. G., Lawrence, M., & Smith, K. R.** The effects of negative air pressure in the middle ear. Ann. Otol. Rhinol., 1948, **57**: 418–28.

—— Pressure; Aviation aspect.

Borshchevsky, I. J. [Training for altitude flights in chambers and their effect on the functions of the ear] J. ushn. nosov. gorlov. bolez., 1939, **16**: 64–71.—**Canfield, N., & Bateman, G. H.** Myringopuncture for reduced intratympanic pressure; report of pressure chamber experiments. J. Aviat. M., 1944, **15**: 340–3.—**Frenzel, H.** Nasen-Rachendruckversuch zur Sprengung des Tubenverschlusses. Luftfahrtmed. Abh., 1938, **2**: 203–5.—**Koch, J.** Die Untersuchung der Ohrtrompeten und der Gleichgewichtsapparate; Verwertung der Prüfungsergebnisse für die Beurtcilung der Fliegertauglichkeit. Ibid., 1936–37, **1**: 305–13.—**Kos, C. M.** Effect of barometric pressure changes on hearing. Tr. Am. Acad. Ophth. Otolar., 1944–45, **49**: 75–81.—**Le Pavec, E. F.** Physiologic study of tubotympanic air adjustment. War Med., Chic., 1942, **2**: 348–52 (Abstr.)—**McGibbon, J. E. G.** Aviation pressure deafness. J. Lar. Otol., Lond., 1942, **57**: 14–22, pl.—**Nordhoff, H.** Ein einfaches Verfahren, um bei gleichzeitiger Messung der im Valsalvaschen Versuch oder im Nasen-Rachendruckversuch erzeugten Höchstdrücke festzustellen, welchen der beiden Versuche der Fliger zum Druckausgleich im Mittelohr anwendet. Luftfahrtmedizin, 1942–43, **7**: 269–71.—**Ohnacker, P.** Zur Symptomatologie

der Druckanstiegschäden des Gehörorgans der Flieger; Notwendigkeiten und Grenzen der Prophylaxe. Arch. Ohr. &c. Heilk., 1943–44, **153**: 14–25.—**Pittman, C. D.** The middle ear and accessory nasal sinuses from a flight surgeon's point of view. Tr. Am. Lar. Rhin. Otol. Soc., 1941, **47**: 378–82. Also Ann. Otol. Rhinol., 1941, **50**: 518–22.—**Sternstein, H. J., & McGregor, J. B.** The effect of nasal ventilation upon tubal equalizing efficiency in flying personnel. J. Aviat. M., 1944, **15**: 244–57.—**Willhelmy, G. E.** Ear symptoms incidental to sudden altitude changes, and the factor of overclosure of the mandible; preliminary report. U. S. Nav. M. Bull., 1936, **34**: 533–41. Also J. Aviat. M., 1936, **7**: 177–81.

—— Pressure: Measurement.

Dishoeck, H. A. E. v. De pneumophoon, een toestel ter bepaling van den druk in het middenoor. Ned. tschr. geneesk., 1938, **82**: 13–8. Also Arch. Ohr. &c. Heilk., 1937–38, **144**: 53–8. ——— [Theory and practice of the pneumophone] Ned. tschr. geneesk., 1939, **83**: 3654–8. Also Arch. Ohr. &c. Heilk., 1939, **146**: 5–11. Also War Med., Chic., 1942, **2**: 362 (Abstr.)—**Drennova, K. A.** [Aural manometry and its relation to selection of recruits for the army] Tr. Acad. mil. méd. Kiroff, 1935, **2**: 194–203.—**Flodgren, E.** En apparatur för mätning av trumhåletrycket. Nord. med., 1943, **20**: 2239–42.—**Kostelijk, P. J.** Rechtstreeksche registratie van den druk in het middenoor. Ned. tschr. geneesk., 1944, **88**: 790–2.—**Nikhinson, A. G.** [Methods of aural manometry] Vest. otorinolar., 1939, No. 6, 78–82.—**Takahara, S.** Iwayuru ōsikan tyūzi catarrh no tyūzi-kō in-atu ni tuite [effect of catarrhal inflammation of the Eustachian tube on negative pressure in the tympanic cavity; a new device for determination of the middle-ear air-pressure] Zibiinkōka, 1948, **20**: 143–51.

—— Pressure: Variation.

See also **Eustachian tube,** Disease.

Gordienko, S. M. Patomorfologicheskie izmeneniia v ukhe zhivotnykh pri kumuliacii ponizhennogo davleniia. Vest. otorinolar., 1949, **11**: No. 6, 9–15, illust.—**Huzisawa, H.** Ueber die Veränderung des Hörvermögens bei der Atmosphaerendruckerniedrigung. Okayama igakkai zassi, 1938, **50**: 2118.—**Kiml, J.** O změnách tlaku ve středouší za polknutí. Voj. zdrav. listy, 1949, **18**: 122–6.—**Loch, W. E.** Effect of experimentally altered air pressure in the middle ear on hearing acuity in man. Ann. Otol. Rhinol., 1942, **51**: 995–1006.—**Rips, S. L.** [Change of pressure in disorders of the ventilation of the ear] Vest. otorinolar., 1939, No. 3, 3–9, pl.—**Rüedi, L.** Gehöruntersuchungen an ohrgesunden und ohrkranken Versuchspersonen auf dem Jungfrau-Joch (3460 m) Acta otolar., Stockh., 1944, **32**: 176–88.—**Takahara, S., & Tani, Y.** Iwayuru O-si-kan-tyūzi catarrh to kiatu to no kankei ni tuite [relation between the so-called Eustachian tube-middle ear catarrh and the air pressure] Zibiinkoka rinsyo, 1948, **41**: No. 5, 1–7.—**Van den Borg, R. E.** An investigation about the pressure in the tympanic cavity in school-children and the consequences of an abnormal pressure for hearing. Acta otolar., Stockh., 1942, **30**: 500–11.—**Zöllner, F.** Versteckte Störungen des Druckausgleiches im Mittelohr. Arch. Ohr. &c. Heilk., 1939, **146**: 12–5. Also War Med., Chic., 1942, **2**: 363 (Abstr.)

—— Prosthesis.

See also **Deaf,** Apparatus; **Middle-ear drumhead,** artificial.

Lebo, C. P., & Palermo, A. L. Tantalum-acrylic middle ear prosthesis. Ann. Otol. Rhinol., 1948, **57**: 1027–31.—**Pohlman, A. G.** The mechanics of the middle ear prosthesis. Zschr. Hals &c. Heilk., 1936–37, **40**: 487; Disc., 488–91. ——— The artificial middle ear. Proc. Am. Soc. Hard of Hearing, 1940, 21. meet., 36–41. ——— The diaphragm-rod prosthesis for the middle ear. Arch. Otolar., Chic., 1943, **37**: 628–44.—**Pohlman, M. E.** The artificial middle ear. Ann. Otol. Rhinol., 1947, **56**: 647–57.

—— Radiography.

See also **Middle-ear inflammation,** Radiography.

Chaussé, C. L'oto-radiogrammétrie ou radiogrammétrie de l'oreille. Bull. Acad. méd., Par., 1941, **125**: 45–50. ——— Incidence du défilé antro-attico-tympanal. J. belge radiol., 1946–47, **30**: 17–23, 2 pl.—**Faccini, M.** Visualizzazione con mezzi di contrasto opachi del cavo del timpano e della tuba auditiva; prime esperienze sui cani. Radiol. med., Tor., 1948, **34**: 842–8.

—— Reflex.

See also subheading (Muscles: Reflex)

Brisotto, P. Riflessi timpanici, ventilazione tubaria e salivazione. Otorinolar. ital., 1948, **17**: 95–112.—**Tasumi, K.** Zi-sei hansya-sei gaisōsya ni tuite no tiken hoi [cough due to ear reflex] Zibiinkoka rinsyo, 1940, **35**: 276.

—— Reticuloma.

Pietrantoni, L. Reticoloendotelioma e reticoloistiocitome dell'orecchio medio. Arch. ital. otol., 1948, **59**: 197–221.

—— Sarcoma.

See also subheadings (Cancer; Myosarcoma; Myxosarcoma)

Achard, Y. *Contribution à l'étude du sarcome de l'oreille moyenne chez l'enfant. 84p. 8° Par., 1929.

Köber, H. *Zwei bemerkenswerte Fälle von Sarkom des Mittelohres [Würzburg] 16p. 8° Ochsenfurt a. M., 1934.

Dondi, R. Sopra un caso di sarcoma dell'orecchio medio. Rinasc. med., 1939, **16**: 613–5.—**Halphen.** Sarcome de l'oreille moyenne. Ann. mal. oreille, 1926, **45**: 607. Also Arch. internat. laryng., Par., 1926, **32**: 849.—**Iterson, C. J. A. v.** [Sarcoma of the middle ear] Ned. tschr. geneesk., 1926, **70**: pt 2, 482.—**Iwamatu, T.** Ueber einen Fall von Mittelohrsarkom. Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 51.—**Maconie, A. C.** Sarcoma of the middle ear and mastoid. J. Lar. Otol., Lond., 1944, **59**: 32–5, pl.—**Meda, P.** Sarcoma primitivo dell'orecchio medio; studio istopatogenetico e clinico. Arch. ital. otol., 1944–45, **56**: 56–76.—**Rachmilewitz, L.** Ein Fall von primären Sarcom des Mittelohres. Fol. otolar. orient., 1935, **2**: 169–73.—**Ranucci, F.** Sopra due casi di sarcoma dell'orecchio medio e cavità accessorie. Valsalva, 1934, **10**: 929–35.—**Robbio Campos, J.** Sarcoma fibroblastico de oído medio, fuso-celular, Virchow. Rev. As. méd. argent., 1939, **53**: 16–8.—**Silvagni, M.** Il sarcoma dell'orecchio medio (osservazioni cliniche) Policlinico, 1929, **36**: sez. prat., 447–9.—**Stupka, W.** Primäres Sarkom des Schläfenbeines und Mittelohres; Heilung durch Radiumbestrahlung. Mschr. Ohrenh., Wien, 1940, **74**: 473–7.—**Turtur, G.** Sarcoma dell'orecchio medio e della mastoide in una bambina di tre anni affetta da otite media purulenta cronica. Boll. mal. orecchio, 1930, **48**: 1–10.—**Vitolo, E.** Sarcoma della cassa timpanica; studio clinico istologico. Arch. ital. otol., 1924, **35**: 215–22.

—— Sclerosis.

See also **Middle-ear inflammation,** sclerosing; **Otosclerosis.**

Mouret, J. De la prétendue sclérose des os qui contiennent des cavités pneumatiques. Ann. mal. oreille, 1926, **45**: 846–72.—**Staffieri, M.** Sulla presclerosi timpanica di Citelli. Arch. ital. otol., 1946, **57**: 125–38. ——— Sul trattamento termale solfureo delle timpanosclerosi post-catarrali. Boll. mal. orecchio, 1947, **65**: 258–70.

—— Secondary tympanic membrane.

See also subdivision Fenestrae.

Küppers, L. Riss der Steigbügelmembran [Discussion] Münch. med. Wschr., 1939, **86**: 1356.—**Meda, P.** Contributo alla conoscenza della finestra rotonda e della membrana del timpano secondaria. Arch. ital. otol., 1947, **58**: 55–73.

—— Sialoma.

Novak, F. J., III. Salivary gland tumor of the middle ear and Paget's disease (osteitis deformans) of the skull. Arch. Otolar., Chic., 1947, **45**: 477–82.

—— Sound conduction.

See also **Audition; Sound.**

Alexander, G. La teoria della trasmissione aerea con speciale riguardo alla anatomia e alla clinica. Rass. ital. otorinolar., 1931, **5**: 3–60.—**Békésy, G.** The structure of the middle ear and the hearing of one's own voice by bone conduction. J. Acoust. Soc. America, 1949, **21**: 217–32, illust.—**Brisotto, P.** Funzione complementare delle vie osteo- ed aero-timpanica nella trasmissione dell'onda sonora in rapporto alla sua recezione e smorzamento. Boll. mal. orecchio, 1940, **58**: 3; 41.—**Emerson, F. P.** The gradual change in the otologist's conception of the conduction and perception of sound impulses. Ann. Otol. Rhinol., 1931, **40**: 710–6.—**Frank, O., & Petter, J.** Statik der Membranmanometer und der Lufttransmission. Zschr. Biol., 1906, **48**: 489–528.—**Herzog.** Die Schalleitung im Walohr. Acta otolar., Stockh., 1928, **12**: 71–82.—**Karazawa, I.** Kikai-setu narabi ni seiki-setu kanten yori suru onkyō dendō mondai ni tuite [on the subject of the transmission of sound considered from the theories of mechanism and vitalism] Zibiinkoka rinsyo, 1941, **36**: 635–43.—**Kluge.** Neuere Untersuchungen über die Schallaufnahme des Ohres. Zschr. Hals &c. Heilk., 1933, **34**: 236; Disc., 245–9.—**Kobrak, H. G.** Experiments on the conduction of sound in the ear. Arch. Otolar., Chic., 1938, **27**: 248. ——— A cinematographic study of the conduction of sound in the human ear. Stud. Douglas Smith Found. M. Res., 1941–42, **14**: No. 17, 179–81.—**Lierle, D. M., & Reger, S. N.** Threshold of feeling in the ear in relation to sound pressures. Arch. Otolar., Chic., 1936, **23**: 653–64.—**Pohlman, A. G.** The conduction of air sounds to the cochlea. Ann. Otol. Rhinol., 1931, **40**: 717–47. ——— A variable in the sensitivity to bone-conducted sounds. Proc. Soc. Exp. Biol., N. Y., 1940, **45**: 662–4.—**Shambaugh, G. E., jr.** The interpretation of bone conduction and other tests of hearing. Ann. Otol. Rhinol., 1936, **45**: 779–97.—**Wever, E. G., Lawrence, M., & Smith, K. R.** The middle ear in sound conduction. Arch. Otolar., Chic., 1948, **48**: 19–35.

—— Sound conduction: Apparatus.

FUMAGALLI, Z. Ricerche morfologiche sull'apparato di transmissione del suono. 323p. 25cm. Milano, 1949.

Forms Suppl. 1 to v. 60, Arch. ital. otol.

Folena, S. Il valore morfologico dell'apparato scheletrico guidatore del suono. Arch. ital. anat., 1936–37, **35**: 430–80.—**Kellaway, P.** Pathways of transmission to the cochlea. Am. J. Psychol., 1945, **58**: 25–42.—**Mink, P. J.** Ueber die Funktion des Trommelfells und der Gehörknöchelchen. Mschr. Ohrenh., Wien, 1937, **71**: 1477–94.—**Minton, J. P.** The dynamical function of the tympanic membrane and its associated ossicles. Proc. Nat. Acad. Sc. U. S., 1925, **11**: 439–45.—**Perlman, H. B.** Physics of the conduction apparatus. Laryngoscope, 1945, **55**: 337–48. ——— Some physical properties of the conduction apparatus. Ann. Otol. Rhinol., 1947, **56**: 334–46.—**Tukamoto, H., Sinomiya, M., & Nagami, H.** Auditory ossicle conduction. Polyclin. Dairen, 1930–33, **5**: No. 1, 41–6.—**Tumarkin, A.** The evolution of the auditory conducting apparatus; a new synthesis based on functional considerations. Proc. R. Soc. M., Lond., 1948, **41**: 877–88. Also J. Lar. Otol., Lond., 1949, **63**: 119; 193, illust.—**Tunematu, K.** Den-on rensa kinō to sono igi ni tuite no kōsatu [observations of the functioning of the chain of transmission of sound and its significance] Zibiinkoka rinsyo, 1943, **38**: 427–64.

—— Sound conduction: Deafness.

See also **Deafness; Middle-ear inflammation,** Deafness.

SCHNEIDER, C. F. *Der Einfluss von Schalleitungsstörungen auf die Perceptionsdauer [Göttingen] 45p. 8° Würzb., 1909.

Guild, S. R. Interpretation of hearing tests; with special reference to conduction deafness. J. Am. M. Ass., 1950, **142**: 466–9, illust.—**Johansen, H.** Lydledningslidelsernes indflydelse paa øverste høregraense. Nord. med., 1943, **18**: 958–62.—**Moody, F. S.** Conduction deafness in children. Jefferson Hillman Hosp. Bull., 1948, **2**: 94–103.—**Mygind, S. H.** Die nicht-suppurativen Schalleitungsleiden. Acta otolar., Stockh., 1931, **16**: 333–61. ——— Klinische und experimentelle Untersuchungen über die Entstehung von Schalleitungsstörungen. Mschr. Ohrenh., Wien, 1937, **71**: 1050–4.—**Perlman, H. B.** Lesions of the conduction apparatus. Arch. Otolar., Chic., 1943, **37**: 680–90. ——— Stiffness lesions of the conducting mechanism. Laryngoscope, 1946, **56**: 497–509. ——— Some physical problems in conduction deafness. Ann. Otol. Rhinol., 1949, **58**: 86–110.—**Pohlman, A. G.** A note on the greater disability for hearing high tones in cases of conduction deafness. Ibid., 1939, **48**: 596–9.—**Selfridge, G.** Eighth nerve and conduction deafness. California West. M., 1940, **52**: 214–7.

—— Sound conduction: Deafness: Treatment.

Bordley, J. E. The use of radium in the treatment of conductive deafness. Surg. Gyn. Obst., 1947, **84**: 839–44.—**Dixon, O. J.** An operation for the relief of conductive deafness. Tr. Am. Acad. Ophth. Otolar., 1939, 348–66.—**Farrior, J. B., & Richardson, G. A.** Nasopharyngeal radium applicator. Arch. Otolar., Chic., 1942, **35**: 811.—**Fisher, G. E.** The use of radium in conduction deafness. Ann. Otol. Rhinol., 1943, **52**: 473–6.—**Friesner, I., & Druss, J. G.** Critique of the present treatment of deafness due to lesions in the conduction mechanism. Tr. Am. M. Ass., Sect. Lar. Otol. Rhinol., 1937, 118–30.—**Goff, W. F.** What can be done for conduction deafness. Northwest M., 1947, **46**: 372–4.—**Josephson, E. M.** The relief of conduction deafness in progressive deafness. In his Your Life is Their Toy, N. Y., 1940, 440.—**Pang, L. Q.** The diagnosis and treatment of early conductive deafness. Hawaii M. J., 1946–47, **6**: 165–9.—**Rosenberger, H. C.** Radiation therapy for conductive deafness; report of results and discussion of roentgen and radium irradiation. Arch. Otolar., Chic., 1949, **49**: 504–10.—**Sachsse, H.** Die Behandlung der Mittelohrschwerhörigkeit. Volksgesundheit, Rastatt, 1949, 375.—**Selfridge, G.** Present status of vitamins in relation to eighth nerve and conduction deafness. Arch. Otolar., Chic., 1941, **34**: 125–40.—**Trowbridge, B. C.** Injection of the tympanum for chronic conductive deafness and associated tinnitus aurium; a preliminary report on the use of ethylmorphine hydrochloride. Ibid., 1944, **39**: 523–6.—**Uffenorde, W.** Die Mittelohrschwerhörigkeit und ihre Behandlung. Jahrkurs. ärztl. Fortbild., 1944, **35**: 24–38.

—— Sound conduction, experimental.

Grobbelaar, C. S., & Keen, J. A. Hearing in a dog after the removal of the tympanic membrane and the malleus on both sides. Clin. Proc., Cape Town, 1944, **3**: 346–54.—**Kobrak, H. G.** Experiments on the conduction of sound in the ear. Ann. Otol. Rhinol., 1938, **47**: 166–75. ——— Experiments on the conduction of sound through the air of the middle ear cavity. Am. J. Physiol., 1941, **133**: 352. ——— Experiments on conduction of sound through the cavity of the middle ear. Stud. Douglas Smith Found. M. Res., 1942–43, **15**: No. 17, 1–6. ——— & **Perlman, H. B.** Animal experiments on normal and pathological sound conduction. Am. J. Physiol., 1937, **119**: 353. ——— & **Lindsay, J. R.** Acoustic stimulation of inner ear by application of sound into cavity of middle ear. Arch. Otolar., Chic., 1936, **23**: 39–47.—**Tukamoto, H., & Nagami, H.** Experimentelle Untersuchungen über den Mechanismus der Schalleitungskette. Arch. Ohr. &c. Heilk., 1934, **138**: 236–43.

—— Sound conduction: Test.

See subheading Functional test.

—— Sporotrichosis.

Andrade, C. de. Sporotrychose oto-mastoidea. Rev. med. hyg. mil., Rio, 1924, **10**: 27–35.

—— Suprameatal spine [Henle]

Mancioli, T. Osservazioni sulla spina di Henle. Atti Clin. otorin. Roma, 1905, **3**: 191–5.—**Yearsley, M.** The constancy and variations of the suprameatal spine of Henle. Ann. Otol. Rhinol., 1904, **13**: 632–6.

—— Surgery.

See also subheadings (Anesthesia; Ossicles: Surgery) also **Ear,** Surgery; **Mastoid,** Surgery; **Mastoidectomy; Middle-ear drumhead,** Paracentesis; **Middle-ear inflammation,** Surgery.

Boyce, G. H. Double traumatic injury of jugular bulb. J. Am. M. Ass., 1928, **91**: 2064.—**Fabinyi, G.** Ohrenoperationen im frühesten Säuglingsalter. Mschr. Ohrenh., Wien, 1943, **77**: 477–80.—**Giese, W.** Spontane Blutungen aus dem Sinus nach Ohroperationen. Arch. Ohr. &c. Heilk., 1939, **146**: 23–32.—**Nakazima, K.** Tyūzi konzi-syuzyutu ni kankei-aru gaku-kansetu kotu-sei yutyaku no iti syōrei [a case of adhesion of bone in the jaw-joint connected with radical operation on the middle ear] Tiryo & syoho, 1944, **25**: 110–5.—**Tamari, M.** Spätkomplikationen nach Radikaloperation. Mschr. Ohrenh., Wien, 1932, **66**: 286–302.—**Usui, S.** Tyūzi-konzi-syuzyutu-go no hasyōhū ni tuite [tetanus following a radical operation on the middle ear] Zibiinkoka, 1949, **21**: 102.—**Voorthuysen, D. G. W. v.** Een plastische methode voor sluiting van een retro-auriculaire fistel na radicale middenooroperatie. Ned. tschr. geneesk., 1940, **84**: 5120–3, pl.—**Whitaker, C. F., jr, Juers, A. L., & Shambaugh, G. E., jr.** A modified endaural incision with nerve block anesthesia for fenestration and mastoidectomy. Arch. Otolar., Chic., 1947, **45**: 662–7, pl.—**Yamamoto, S.** Tyūzi konzi syuzyutu no kō-ryōhō ni tuite [über die Nachbehandlung der Radikaloperation des Mittelohres] Otorhinolaryngologia, Tokyo, 1943, **16**: 389–96.—**Yates, A. L.** Repair in the middle ear. J. Lar. Otol., Lond., 1930, **45**: 785–98.

—— Surgery: Effect on hearing.

GRIMOUD, P. *L'audition et l'évidement pétromastoïdien. 119p. 24cm. Toulouse, 1939.

WIEGANDT, P. *Hörbefunde nach vollständiger Aufmeisselung der Mittelohrräume [Göttingen] 19p. 8° Wanfried, 1920.

Arnold, G. E. Das Hörvermögen nach Mastoidektomie; Ergebnis einer Nachuntersuchung an 100 Kranken der Klinik. Arch. Ohr. &c. Heilk., 1940, **147**: 336–47.—**Lundgren, N.** Hörselfunktionen efter uppmejsling i spädbarns- och tidiga barnaåldern. Nord. med., 1943, **20**: 2244–8.

—— Surgery: Methods.

Alcaíno, A. La operación radical por el conducto. Rev. chilena otorinolar., 1936–37, **1**: 39–58.—**Aubry, M., Bourgeois, R.** [et al.] Voies d'abord de l'oreille moyenne. Ann. otolar., Par. 1949, **66**: 492.—**Bogomilsky, R. D.** Pervichnyi shov pri radikalnoi operacii srednego ukha u detei. Vest. otorinolar., 1948, No. 3, 14–7.—**Botey, R.** La trepanación del oído a la fresa eléctrica. Rev. méd. Barcelona, 1926, 2. ser., **6**: 100–2.—**Bozzi, E.** La radicale antro-epitimpanica secondo Ramadier. Arch. ital. otol., 1948, **59**: 138–48.—**De Greift.** Mode de pansement après l'opération de Stacke. Bull. Soc. belge otol., 1903, **8**: 239–41.—**Delattre.** Un nouveau procédé d'antrotomie. Ann. otolar., Par., 1949, **66**: 321.—**Francuzov, B. L.** [Modification of endaural, radical operation] Vest. otorinolar., 1939, No. 3, 59–64.—**Gaston, A.** Atticotomie transmastoïdienne avec conservation du Shrapnell. Ann. otolar., Par., 1942, 140.—**Haase, E. B.** Sulfathiazolplombering og primaer lukning ved simpel øre-opmejsling saerligt ved komplicerede tilfaelde. Nord. med., 1946, **30**: 885.—**Hohlbrugger, H.** Zur Nachbehandlung des radikaloperierten Mittelohres; Thiersch'sche Transplantation in Kombination mit Sulfonamiden. Mschr. Ohrenh., Wien, 1946, **79**:–**80**: 457–61.—**Jampolsky, L. N.** [Technique of operations on the middle ear] Arkh. med. nauk., 1929, **1**: 269–300.—**Kitagawa, S., Hurukawa, M., & Oka, H.** Oh-si-kan heisa wo hodokositaru hi-seikei-teki tyūzi-sakkai-zyutu ni tuite [non-plastic operation on the middle ear with closure of the Eustachian tube] Zibiinkoka, 1949, **21**: 197–201.—**Knapp, E.** Eine Modifikation der Passowsche

Plastik zum Verschluss retroauriculärer Mulden. HNO, Berl., 1947–49, **1**: 550–2.—**Landry.** L'évidement partiel spontané par la voie du conduit. Acta otolar., Stockh., 1928–29, **13**: 241–6.—**Lange, W.** Gehörgangsplastik durch einfachen Längsschnitt in der Grenze der hinteren und oberen Wand. Zschr. Hals &c. Heilk., 1928, **21**: 311–3.—**Lempert, J.** Endaural, antauricular surgical approach to the temporal bone; principles involved in this new approach; summary report of 1,780 cases. Arch. Otolar., Chic., 1938, **27**: 555–87.—**Lénart, Z.** Transmeatálna attico-antrotomia. Sloven. lekár, 1949, **11**: 124.—**Liveriero, E.** Esiti lontani della radicale per via del condotto. Atti Clin. otorin. Roma (1943–47) 1948, **7**: 65–78.—**Maruyama, S.** Tyūzi konzi-syuzyutu ni okeru hihu sekkai-sen ni tuite [the skin incision in radical operation on the middle ear] Zibiinkoka rinsyo, 1940, **35**: 536–55.—**Peters, E. A.** Operative isolation of the petrous bone. J. Lar. Otol., Lond., 1935, **50**: 541–3.—**Rosen, S.** Is it possible to cover the fenestra novovalis with Shrapnell's membrane? an anatomic study. Arch. Otolar., Chic., 1949, **49**: 529–34.—**Scevola, P.** Trattamento postoperatorio dell'intervento radicale dell'orecchio con antibiotici e trapianto dermoepidermico alla Tiersch. Arch. ital. otol., 1948, **59**: 295–304.—**Schubel, J.** Retroauriculäre Periostlappenplastik. HNO, Berl., 1947–49, **1**: 548–50.—**Shulga, A. O.** Modifikaciia endauralno-konservativnoi radikalnoi operacii. Vest. otorinolar., 1947, No. 2, 15–7.—**Takahasi, K.** Verbesserte Mastoidektomie und ihre Nachbehandlung ohne Tamponierung. Zschr. Otorhinolar., Tokyo, 1938, **44**: 60.—**Takahasi, R.** Ueber die konservative Radikal-Operation des Mittelohres. Ibid., 59.—**Tatigi, Y.** Tyūzi konzi syuzyutu no rinen [a reasonable idea concerning radical operation on the middle ear] Tokyo izi sinsi, 1948, **65**: 61–4.—**Tato, M.** Las diferentes vías de acceso en otocirugía desde el punto de vista estético. Temas Congr. lat. amer. cir. plást. (1942) 1943, 2. Congr., 111–4.—**Tullio, P., & Caliceti, P.** Sopra la microchirurgia auricolare. Otorinolar. ital., 1936, **6**: 407–15.

—— Syphilis.

See under **Syphilis.**

—— Tegmen tympani.

See also **Temporal bone.**

Loreti, F. Osservazioni sulla scissura glenoidea dell'osso temporale e sulla cresta del tegmen tympani. Zschr. ges. Anat., 1. Abt., 1932, **98**: 293–304.—**Whitfield, A. J.** Fracture of the tympanic plate of the temporal bone. Pacific Dent. Gaz., 1933, **41**: 505–8.

—— Tube.

See also **Eustachian tube; Nasopharynx.**

Olmsted, F. Modifications of a device for testing patency of the Eustachian tube. 4 l. 28cm. N. Haven, 1945.

Form No. 53, Rep. Yale Aeromed. Res. Unit.

Brown, F. E. A study of the Eustachian tube with special reference to the recognition and preservation of its delicate functions in the ventilation of the middle ear. Tr. Pacific Coast Oto Ophth. Soc., 1924, **12**: 108–14.—**Graebner, H.** The Eustachian tube and its relation to flight. Eye Ear &c. Month., 1947, **26**: 369–71.

—— Tuberculosis.

See **Middle-ear inflammation,** Bacteriology; also with **Tuberculosis,** Ear.

—— Tumor.

See subheadings (Angioma; Cancer; Carcinoma; Chloroma; Cholesteatoma; Cyst; Endothelioma; Epithelioma; Giant-cell tumor; Glomus tumor; Hamartoma; Myosarcoma; Myxosarcoma; Perithelioma; Polypus; Reticuloma; Sarcoma; Sialoma) also **Middle-ear inflammation,** Complications.

Beck, J. C. Tumors of the middle ear, with report of two rare varieties. Tr. Am. Acad. Ophth. Otolar., 1905, **10**: Otolar. Sect., 175–86.—**Caussé, R.** Tumeur non extériorisée de la caisse du tympan ayant donné lieu à une paralysie faciale et à une surdité totale. Ann. otolar., Par., 1933, 222–4.—**Henke.** Ein Beitrag zur Kenntnis kongenitaler Mittelohrgeschwülste. Zschr. Hals. &c. Heilk., 1924, **10**: 377–82.—**Heyninx.** Tumeur latérale du cavum, avec extension endocrânienne. Ann. otolar., Par., 1935, 467.—**Lemoyne, J.** Petite tumeur primitive de la caisse du tympan. Ibid., 1942, 99.—**Löwy, K.** Primärer Tumor des Mittelohres. Mschr. Ohrenh., Wien, 1938, **72**: 96.—**Portmann, Despons & Larial.** Sur un cas de paralysies multiples des nerfs crâniens, par tumeur de l'oreille moyenne. Rev. otoneur., Par., 1937, **15**: 192.—**Přecechtěl, A.** Tumeur et inflammation de l'oreille moyenne dans leur relation anatomopathologique et clinique. Acta otolar., Stockh., 1938, **26**: 321–40, pl.—**Rosenwasser, H.** Neoplasms involving the middle ear. Arch. Otolar., Chic., 1940, **32**: 38–53.—**Schall, L. A.** Neoplasms involving the middle ear. Tr. Am. M. Ass., Sect. Lar. Otol. Rhinol., 1935, 97–102. Also Arch. Otolar., Chic., 1935, **22**: 548–53.

—— Tympanic membrane.

See **Middle-ear drumhead.**

—— Tympanic plexus.

Marcondes Calasans, O. *Anatomio do plexus tympanicus no homem. 138 p. 23½cm. S. Paulo, 1940.

Also Rev. brasil. otorinolar., 1942, **10**: 611–21

Cordier & Coulouma. Les nerfs carotico-tympaniques; leurs rapports avec la caisse du tympan et leurs relations avec le rameau de Jacobson. Rev. path. comp., Par., 1934, **34**: 1270–81.—**Portmann, G., & Puig, E.** Le plexus tympanique. Rev. laryng., Bord., 1949, **70**: 1–47, 2 pl.—**Rosen, S.** Chorda tympani nerve section and tympanic plexectomy; new technic used in cases of deafness, tinnitus and vertigo. Arch. Otolar., Chic., 1949, **50**: 81–90.—**Schneider, D. A.** The growth concept of nervous integration; on real hearing; first contribution to a new theory of hearing; the tympanic plexus as a critical portion of the vegetative sound system; the neurophysiologic rationale for tympanic plexicectomy. J. Nerv. Ment. Dis., 1947, **105**: 133–48.

—— Varicose vein.

Fempea, V. Un cas rare de varices du tympan. Ann. mal. oreille, 1925, **44**: 625.

—— Ventilation.

See also subheadings (Inflation; Pressure)

Sugaya, S. Kositu kanki syōgai no tyōki ni oyobosu eikyō ni kan-suru kenkyū [Einflüsse der Ventilationsstörungen der Paukenhöhle auf das Gehörorgan] [162]p. 25cm. Taihoku, 1935.

In: Taiwan igakkai zassi, 1935, **34**: 899; 1072.

Le Pavec, E. F. Etude physiologique de l'aération tubotympanique. Rev. Serv. san. mil., Par., 1939, **110**: 447–55.

—— Xanthoma.

Kaneko, K. Nyūsi-hōka-nai ni hassei-seru ōsyoku-syu syōrei [xanthoma in the mastoid cells] Zibiinkoka rinsyo, 1940, **35**: 208–12, pl.—**Takahara, T., Watanabe, D., & Itō, K.** Ohsyoku-syu (nyūsi-hōka-nai) ni rei ni tuite [two cases of xanthoma in the cellula mastoideae] Ibid., 411–20, pl.

MIDDLE-EAR drumhead.

Syn.: Drum membrane; Eardrum; Membrana tympani; Myrinx; Tympanic membrane.

See also **Ear; Middle ear.**

Alagna, G. Contributo allo studio dei linfatici della membrana del timpano. Boll. Soc. med. chir., Pavia, 1906, 1–7.—**Andrews, A. H.** Drum membrane. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **5**: 323–5.—**Groen, J. J., & Jongkees, L. B. W.** The measurement of the temperature at the eardrum during the caloric test of the labyrinth. J. Physiol., Lond., 1949, **108**: 33–6.—**Mackenzie, G. W.** The appearance and behavior of the normal tympanic membrane. Tr. Am. Lar. Rhin. Otol. Soc., 1924, **30**: 215–54.—**Srnetz, A.** Ist das Trommelfell des Hundes von aussen sichtbar? Prag. tierärztl. Arch., 1934, **14**: 241–7.—**Zalewski, T.** Experimentelle Untersuchungen über die Resistenzfähigkeit des Trommelfells. Zschr. Ohrenh., 1906, **52**: 109–28, pl.—**Zickero, F.** Ueber die Elastizität des Trommelfelles bei Hunden. Mschr. Ohrenh., Wien, 1927, **61**: 902–15.

—— Abnormity.

Eschweiler. Spaltbildung in den Trommelfellen. Zschr. Laryng., 1927, **16**: 105.—**Grabscheid, E.** Ein Fall von Insertion des Trommelfelles an der häutigen Bulbuswand. Mschr. Ohrenh., Wien, 1934, **68**: 354.—**Suárez, C.** Un caso de duplicidad unilateral del tímpano. An. Casa sal. Valdecilla, 1947, **10**: 64.

—— Aging.

Versé. Arcus lipoides myringis arteficialis. Münch. med. Wschr., 1926, **73**: 219.—**Zanzucchi, G.** Sulle modificazioni delle fibre elastiche della membrana timpanica in rapporto coll'età. Arch. ital. otol., 1938, **50**: 203–21.—**Zisenis, K.** Ueber das Vorkommen von Fettstoffen im menschlichen Trommelfell, sowie deren Entstehung und deren Beziehungen zum Arcus lipoides corneae. Arch. Ohr. &c. Heilk., 1926–27, **116**: 96–115, pl.

—— Anesthetization.

Beckmann, W. *Beitrag zur Frage der Trommelfellanaesthesie nebst Versuchen mit Phenol-

Psicobenyl und einigen weiteren Anwendungsmöglichkeiten des Psicobenyls [München] 17 p. 8°. Bottrop, 1931.

Also Arch. Ohr. &c. Heilk., 1933, **136**: 172–5.

Citelli. Liquide très efficace pour l'anesthésie de la membrane tympanique. Otorhinolar. internat., Lyon, 1922, **6**: 257–9.—**Eustathianos, N.** Ueber ein Verfahren und einen neuen Apparat zur lokalen Anästhesierung des Trommelfelles. Mschr. Ohrenh., Wien, 1936, **70**: 1256–9.—**Koch.** Die Betäubung des Trommelfells mit Othaesin. Deut. med. Wschr., 1937, **63**: 1843.—**Mangabeira Albernaz, P.** Soluto concentrado para a anestesia cirúrgica do tímpano. Rev. otolar. S. Paulo, 1934, **2**: 517, Disc., 532–4. Also Ann. otolar., Par., 1935, 1097.—**Petermann, H. I.** Die Anästhesie des Trommelfells mit Karbolsäure. Ther. Gegenwart, 1925, **66**: 598.

—— Angioma.

Androsov, M. D. K kazuistike hemangiom barabannoi pereponki. Vest. otorinolar., 1950, **12**: 70, illust.—**Richman, F.** Report of a case of vascular tumor of the membrana tympani. Laryngoscope. 1928. **38**: 94–7.

—— Annulus tympanicus.

Gatscher, S. Partielle Ostitis des Annulus tympanicus. Mschr. Ohrenh., Wien, 1940, **74**: 31.—**Ruttin, E.** Isolierte Fraktur des Annulus tympanicus. Ibid., 1937, **71**: 1259.

—— artificial [incl. prosthesis]

See also **Middle ear,** Prosthesis.

Eckert, F. *Das künstliche Trommelfell [München] 36p. 8° Lpz., 1928.

Longuet, B. Y. *Le tympan artificiel et la prothèse tympanique. 77p 8° Par., 1930.

Alexander, G. Zur Technik des künstlichen Trommelfelles Mschr. Ohrenh., Wien, 1931, **65**: 997.—**Aubry.** Un nouveau cas de tympan artificiel étudié à l'audiomètre. Ann. otolar., Par., 1947, **64**: 167.—**Bielogolovov, M. D.** Primieneniye yaĭchnoĭ plenki dlya zazhivleniya perforaciy barabannĭkh pereponok. Ezhemies. ushn. gorlov. nosov. boliezn., 1906, **1**: 149–52.—**Böke, G.** A mesterséges dobhártyáról. Füleszet, 1905, 13.—**Canuyt, G., & Horning, T.** A propos du tympan artificiel chez une malade opérée d'évidement pétro-mastoïdien. Strasbourg méd., 1928, **86**: 191.—**Caussé, R.** Remapques sur deux cas de tympan artificiel (étude audiométrique) Ann. otolar., Par., 1944–45, 185–91.—**Delstanche, J. P.** De l'emploi du tympan artificiel. Bruxelles méd., 1935–36, **16**: 1115.—**De Simoni, A.** Sulla chiusura artificiale delle perforazioni timpaniche. Atti Congr. Soc. ital. laring. (1897) 1899, **3**: 248.—**García Blanco, A.** Audición y tímpano artificial. Medicina, Madr., 1949, **17**: pt 2, 180–6.—**Gomperz, B.** Neue künstliche Trommelfelle. Verh. Ges. deut. Naturforsch. (1902) 1903, **2**: 2. H., 433–6. ——— Ueber künstliche Trommelfelle aus Paraffin und Silber. Deut. med. Wschr., 1906, **32**: 2065.—**Hamm.** Künstliche Trommelfelle aus Paraffin. Ibid., 307.—**Holmgren, L.** A demonstration of cases with tympanic membrane prothesis. Acta otolar., Stockh., 1943, **31**: 84–6.—**Houghton, H. C.** The artificial membrana tympani considered as a splint or crutch. Homoeop. Eye, Ear &c. J., 1899, **5**: 176–9.—**Kessel, O. G.** Ein neuer Trommelfellersatz. Arch. Ohr. &c. Heilk., 1925–26, **114**: 223.—**Lucae, A.** Eine bisher unbekannte Wirkungsart des sogen. künstlichen Trommelfells. Arch. Ohrenh., 1901–02, **54**: 268–71.—**McAuliffe, G. W.** An ear drumhead model. Laryngoscope, 1936, **46**: 686–91. — **Nadoleczny-Millioud.** Das künstliche Trommelfell im Vergleich zu den Hörapparaten. Schweiz. med. Wschr., 1940, **70**: 700.—**Nasiell, V.** Till 300-årsminnet av den konstgjorda trumhinnans tillkomst. Nord. med., 1941, **11**: 2564–7; **12**: 3360 (Abstr.) Also Engl. transl. Acta otolar., Stockh., 1942, **30**: 332–43.—**Peltzer, F.** Ueber gehörverbessernde Wirkung von Trommelfellprothesen mit besonderer Berücksichtigung von Salbenprothesen nach Radikaloperation (Beobachtungen am eigenen operierten Ohr) Arch. Ohr. &c. Heilk., 1925–26, **114**: 198–222.—**Pohlman, M. E.** The artificial middle ear drum. Ann. West. M. & S., 1948, **2**: 413. Also Rev. otoneur., B. Air., 1949, **24**: 27.—**Randall, B. A.** Some facts about artificial drumheads and other aids of hearing. N. England M. Month., 1905, **24**: 351–3.—**Richter, E.** Seidenpapier als Trommelfellersatz. Mschr. Ohrenh., Wien, 1906, **40**: 725–38.—**Ruskin, S. L.** Gold prothesis in drum defects. Laryngoscope, 1940, **50**: 573–5.—**Steinmann, E. P.** Ueber die Verwendung der Cellophane für Trommelfellprothesen. Praxis, Bern, 1945, **34**: 647–52.—**Stinson, W. D.** Closure of perforations of membrana tympani with Cargile membrane. Tr. Am. Lar. Rhin. Otol. Soc., 1941, **47**: 191–4. Also Ann. Otol. Rhinol., 1941, **50**: 178–81.—**Tamari, M.** Ueber die Wirkung des künstlichen Trommelfells; Untersuchungen mit dem elektrischen Otoaudion. Wien. med. Wschr., 1931, **81**: 1599.—**Ueda, Y.** Ayamareru zinkō komaku siyō ni yoru zisei nōdoku syōrei [case of aural sepsis caused by the use of the wrong artificial tympanic membrane] Zibi-inkoka rinsyo, 1942, **37**: 785–9.—**Urfer, F.** Einfluss des künstlichen Trommelfells auf das Hörbild. Pract. otorhinolar., Basel, 1944, **6**: 230–40. Also Schweiz. med. Wschr., 1945, **75**: 959.—**Yates, D. G.** The treatment of perforations of the tympanic membrane, with especial reference to the use of guttapercha tissue. Med. Rec., N. Y., 1905, **68**: 777–9.

—— Blood vessels.

See also **Tinnitus.**

Christensen, S. On the superficial vessels of the tympanic membrane. Acta otolar., Stockh., 1942, **30**: 461–80.—**Hamberger, C. A., & Lindgren, A. G. H.** Ueber die Gefässversorgung des Trommelfells. Ibid., 1941, **29**: 99–112.—**Lüscher, E.** Zur Topographie und Physiologie der cutanen oberflächlichen Trommelfellgefässe (nach Beobachtungen am lebenden Menschen) Zschr. Hals &c. Heilk., 1928, **22**: 12–52.—**Suárez, G. O.** Circulación arterial en la membrana del tímpano. Rev. méd. Córdoba, 1948, **36**: 454–61.—**Watuzi, H.** Ueber Schattenbild der in die Trommelhöhle hineinragenden Vene am Trommelfell. Zschr. med. Ges. Tokyo, 1895, **9**: 323–8.

—— blue.

See also subheadings (Color; Hemorrhage) also **Middle ear,** Hemorrhage.

Baldenweck. Un cas de tympan bleu opéré. Ann. otolar., Par., 1943, 103.—**Bruck, A.** [Sogenanntes blaues Trommelfell] Deut. med. Wschr., 1905, **31**: 243.—**Fiedler, M.** Zur Casuistik des sogenannten blauen Trommelfelles. Mschr. Ohrenh., Wien, 1906, **40**: 106–8.—**Fortes, A. B., & Salem, W.** Tímpano azul; caso raro de surdez central com amaurose unilateral e confusão mental de inicio rápido por oto-ótico-neurite, e encefalite provavelmente gripal. Hospital, Rio, 1938, **14**: 941–5.—**Isikawa, K., & Sōda, S.** Takaku-teki zimei wo gappei-suru ao-iro komaku no iti rei [sog. Blautrommelfell mit objektivem Ohrgeräusch] Otorhinolaryngologia, Tokyo, 1935, **8**: 1113–7.—**Kler, J. H.** The blue drum membrane. Eye Ear &c. Month., 1948, **27**: 29.—**Koch-Bergemann.** Beitrag zur Frage der Entstehung einer Blaufärbung des Trommelfelles. Charité Ann., Berl., 1905, **29**: 749–54.—**Lemaître, Y., & Forges.** Présentation d'un tympan bleu. Ann. otolar., Par., 1937, 57.—**Masini, V.** L'emato-timpano. Boll. mal. orecchio, 1929, **47**: 95–7.—**Melo Filho, G. de.** Tímpano azul. Arq. Inst. Penido Burnier, 1940–42, **6**: 427 (Abstr.)—**Monteiro, A.** Tímpano azul. Hospital, Rio, 1938, **13**: 281–7. Also Zschr. Hals &c. Heilk., 1939, **45**: 242–6.—**Neumann, B.** Hämatotympanon nach Adenotomie. Hals &c. Arzt, 1939, **30**: 289–94.—**O'Donnell, J. H.** Blue drum, or idiopathic haemotympanum, in children. Brit. M. J., 1941, **2**: 86.—**Ranger, D.** Idiopathic haemotympanum. J. Lar. Otol., Lond., 1949, **63**: 672–81.—**Shambaugh, G. E.** The blue drum membrane. Arch. Otolar., Chic., 1929, **10**: 238–40.

—— Bulging.

Berberich, J. Die Bedeutung der epitympanalen Vorwölbung des Trommelfells. Arch. Ohr. &c. Heilk., 1929, **122**: 15–24.

—— Burns.

See also **Middle ear,** Injury.

Akai, M. Ryūsan himatu ni yoru komaku husyoku no iti rei [ein Fall von Aetzung des Trommelfells durch Schwefelsäure-Tropfen] Otorhinolaryngologia, Tokyo, 1937, **10**: 811–3.—**Bijtel, J.** Letsel van het trommelvlies door een vonk. Geneesk. tschr. Rijksverzek., 1925, **10**: 259.—**Bialik, M. G.** Dva sluchaya ozhoga barabannoĭ pereponki. Ezhemies. ushn. gorlov. nosov. boliezn., 1906, **1**: 152.—**Guérin, E.** Brûlure du tympan par de l'eau bouillante. Ann. mal. oreille, 1906, **32**: 52–4.—**Haug.** Eine eigenartige Verbrennung des Trommelfells. Aerztl. Sachverst. Ztg, 1905, **11**: 278.—**Hosaka, S.** Komaku kasyō no san ω yōrei ni tuite narabi-ni tyōki nessyō ni kan-suru ippan-teki kaⁿsatu [drei Fälle von Verbrennung des Trommelfells und statistische Beobachtung der Verbrennung und Verbrühung des Gehörorgans] Tohoku igaku zassi, 1936, **19**: Suppl. 2, 286–99.—**Itikawa, Z.** Komaku kasyō ni tuite [Verbrühung des Trommelfells (kasuistische Mitteilung)] Otorhinolaryngologia, Tokyo, 1935, **8**: 1012–5.—**Kubo, M.** Komaku no kasyō. Zibiinkoka rinsyo, 1942, **37**: 804.—**Lion, H.** Isolierte Trommelfellverbrennung. Arch. Ohr. &c. Heilk., 1929, **122**: 195–7.—**Mathiesen, H.** [Exudate in the middle ear and serous labyrinthitis as a result of a burn of the external ear and tympanic membrane] Nord. med., 1939, **4**: 3860. Also Acta otolar., Stockh., 1941, **29**: 87.—**Puerner, J. W.** Perforating burn of the tympanic membrane. Arch. Otolar., Chic., 1948, **48**: 249–51.

—— Calcification.

See with subheading Osteoma.

—— Chorda tympani.

See also **Chorda tympani.**

Babkin, B. P., Alley, A., & Stavraky, G. W. Humora transmission of a chorda tympani hormone. Canad. M. Ass. J., 1932, **26**: 582.—**Babkin, B. P., Gibbs, O. S.** [et al.] Die humorale Uebertragung der Chorda tympani-Reizung. Arch. exp. Path., Lpz., 1932, **168**: 32; 64.—**Boudreaux, J.** La corde du tympan. Gaz. hôp., 1936, **109**: 1397–402.—**Caussé, R., &**

Lacassagne, A. Section de la corde du tympan, chez la souris, par ossiculectomie du marteau. C. rend. Soc. biol., 1941, **135**: 183. ——— Modifications des glandes salivaires de la souris consécutivement à la section de la corde du tympan. Ibid., 241–4.—**Findlay, J. P.** Herpes zoster of the nervus chorda tympani with facial paralysis. Med. J. Australia, 1949, **2**: 380–2.—**Foley, J. O.** The ratio between sensory and motor fibers in the chorda tympani and greater superficial petrosal nerves. Anat. Rec., 1944, **88**: 432. ——— The sensory and motor axons of the chorda tympani. Proc. Soc. Exp. Biol. N. Y., 1945, **60**: 262–7.—**Gatscher, S.** Die Beteiligung der Chorda tympani an der Hörfunktion innerhalb der reflektorischen Schutzmechanismen des Ohres. Wien. med. Wschr., 1935, **85**: 1274.—**Roasenda, G.** L'esame funzionale della corda del timpano mediante lo stimolo elettrico (anode) a livello della colonna cervicale. Gior. Accad. med. Torino, 1927, 4. ser., **33**; 207–15.—**Rosen, S.** Chorda tympani nerve graft; report of follow-up observations one year postoperatively. Arch. Otolar., Chic., 1949, **50**: 243–8.

—— Collapse.

See under subheading Relaxation.

—— Color.

See also other subheadings (blue; Hemorrhage)

Yearsley, M. Case of abnormal colour of membrana tympani; shown for diagnosis. Tr. Otol. Soc. U. K., 1905–06, **7**: 18–21. Also J. Lar. Otol., Lond., 1906, **21**: 138–41.

—— Cyst.

Wullstein, H. Angeborene Missbildung des äusseren Gehörganges (Plattenepithelcyste am oberen Trommelfell-Umschlag) (differentialdiagnostische Schwierigkeiten) Arch. Ohr. &c. Heilk., 1936, **141**: 150–4.

—— Delling.

See under other subheadings (Relaxation; Shrapnell membrane)

—— Dermatosis.

Krukover, I. M. [Psoriasis of the tympanum] In: Jubil. otorinolar. sborn. posv. A. N. Zimin, Novosibirsk, 1933, 72, pl.—**Lake, R.** Four cases with sketch drawings of the membrana tympani; one case exhibited herpes and three cases a condition nearly allied to, if not actually, herpes. Tr. Otol. Soc. U. K., 1903–04, **5**: 44.—**Neuziel, H.** Ueber einen Fall von Herpeseruptionen am Trommelfell bei einer beiderseitigen akuten katarrhalischen Mittelohrentzündung. Mschr. Ohrenh., Wien, 1930, **64**: 1213.—**Pastinszky, S. v.** Ueber seltene Fälle von Trommelfellpsoriasis. Derm. Wschr., 1940, **111**: 1103–6.

—— Disease.

See also **Middle-ear inflammation.**

Andreev, A. M., Bronstein, A. I., & Gershuni, G. V. [Effect of alternating current on the ear deprived of the tympanum] J. Physiol. USSR, 1937, **22**: 53–61.—**Babbitt, J. A.** Pathologic information from the tympanic membrane. Pennsylvania M. J., 1932, **36**: 254–61.—**Baginsky, B.** Trommelfellkrankheiten. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1913, **14**: 704–10.—**De Martini, R.** Su di un particolare quadro di lesioni produttive della membrana timpanica. Arch. ital. otol., 1947, **58**: 204–11.—**Looser, R.** Ueber herdförmige Trommelfellveränderungen bei rezidivierendem Mittelohrkatarrh. Pract. otorhinolar., Basel, 1946, **8**: 558–61. Also Schweiz. med. Wschr., 1947, **77**: 366.—**Okunev, V. N.** O patologicheskikh svietovykh refleksakh barabannoi pereponki i liniakh eksudata. Ezhemies. ushn. gorlov. nosov. boliezn., 1914, **9**: 33–41.—**Ravdin, B. D.** Pathology of the tympanic membrane. J. Indiana M. Ass., 1936, **29**: 273–5.—**Schnurman, A. G.** Two interesting ear cases. Virginia M. Month., 1948, **75**: 89.—**Vassal, L.** Thorax et tympan; accidents mécaniques; accidents inflammatoires. Ann. otolar., Par., 1933, 1308–10.—**Whitehead, A.** Sketch and notes of a case of emphysema (?) of the membrana tympani. Tr. Otol. Soc. U. K., 1904–05, **6**: 58. Also J. Lar. Otol., Lond., 1905, **20**: 255.

—— Epithelial migration.

Magnoni, A. Osservazioni sulla migrazione dell'epitelio della membrana timpanica. Valsalva, 1938, **14**: 234–40.

—— Examination.

See also **Middle ear,** Examination.

Müller, L. *Systematische Vergleichung beider Trommelfelle bei pathologischen Veränderungen [Freiburg] 25p. 21cm. Würzb., 1939.

Down the rubber ear-hole. Lancet, Lond., 1940, **2**: 315.—**Hayden, A. A.** Presentation of instruments; autotympanoscopy. Tr. Am. Laryng. Ass., 1932, **38**: 307.—**Lüscher, E.** Trommelfellbilder in 10–30-facher Vergrösserung. Zschr. Hals &c. Heilk., 1927–28, **18**: 485–9; Disc., 504.—**Passow.** Ueber die Veränderungen des Trommelfellbildes durch optische Verkürzung und die Fehler der Quadranteneinteilung. Verh. Deut. otol. Ges., 1906, 203–9. Also Arch. Ohrenh., 1906, **69**: 241–5.—**Starna, A.** Qualche elemento di otoscopia, la membrana uditiva. Assist. san., Roma, 1940, **9**: 251–4.—**Voss, O.** Ein Apparat zur vielfachen Vergrösserung des Trommelfells im aufrechten stereoskopischen Bild unter ultropaker Beobachtung. Zschr. Laryng., 1932, **23**: 324–30.

—— Examination: Otoscopy.

Arnesen, W. A. Otoscope and similar instrument. U. S. Patent Off., 1939, No. 2,154,885. ——— Otoscope. Ibid., 1944, No. 2,343,841.—**Baginsky, B.** Ohrspiegeluntersuchung (Otoskopie) In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, **11**: 31–7, pl.—**Busch, H. G.** Selbsthaltendes Speculum für Radikaloperationen durch den Gehörgang. Zschr. Hals &c. Heilk., 1937–38, **43**: 430–4.—**Carroll, G. G.** The myringoscope. J. Am. M. Ass., 1913, **61**: 2065.—**Dittmer, A. F.** Otoscope. U. S. Patent Off., 1939, No. 2,184,414.—**Ferrari Lelli, G.** Microscopio auricolare S. I. S. M. E. modello 101. Margin. otolar., Fir., 1946–47, **5**: 437–41.—**Fitzhugh, W. M.,** jr, & **Hass, C. E.** Otoscopic attachment. Arch. Otolar., Chic., 1939, **30**: 997.—**Gilbert, I., & Powis, P. R. O.** The Brunton auriscope; a simple and effective method of obtaining satisfactory lighting when using a Brunton auriscope. J. R. Army M. Corps, 1943, **81**: 189.—**Goldstein, M. A.** The oto-projectoscope. Tr. Am. Acad. Ophth. Otolar., 1905, **10**: Otolar. Sect., 201–9.—**Heyninx.** Le spéculum grossissant de l'oreille ou mégalotoscope. Bull. Soc. belge otol., 1903, **8**: 122–4.—**Imhofer, R.** Die Schwierigkeiten der otoskopischen Untersuchung beim Säuglinge. Med. Klin., Berl., 1932, **28**: 507–9.—**Jannulis, G. E.** Historisches über die Erfindung des Ohrtrichters. Mschr. Ohrenh., Wien, 1948, **82**: 176.—**Kirchhof, A. C., & Burns, A.** Conversion of an otoscope into an infant laryngoscope. West. J. Surg., 1948, **56**: 208.—**Maietta, A. L.** An easily improved otoscope. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 22, 18–21.—**Marschik, H.** Lupenendoskopie. Mschr. Ohrenh., Wien, 1941, **75**: 351.—**Miller, A.** A modified Siegel's speculum. Brit. M. J., 1935, **1**: 1321.—**Parcher, A. H.** Otoscopic or like device. U. S. Patent Off., 1942, No. 2,292,237.—**Pitman, L. K.** A glareless ear speculum. Arch. Otolar., Chic., 1937, **25**: 210. ——— Improved otoscope and ophthalmoscope. Ibid., **26**: 203.—**Seiffert, A.** Modifizierte Brüningssche Ohrlupe. HNO, Berl., 1947, **1**: 41.—**Williams, A. H.** Handle for aural speculum. U. S. Nav. M. Bull., 1946, **46**: 596–8. ——— Un espéculo auricular sencillo para la otoscopía en masa. Hospital (América clín.) N. Y., 1947, **3**: No. 3, 38.—**Wilson, M. B.** El médico escolar y el otoscopio. Rev. méd., Puebla, 1943, **16**: No. 153, 18.—**Yokoi, M.** Kakudai zi-kyō no kairyō; yo no kōan-seru kakudai zi-kyō ni tuite [... the enlarged ear-speculum ...] Ika kikaigaku zassi, 1941–42, **19**: 237–9.

—— Flaccid portion.

See subheading Shrapnell membrane.

—— Foramina.

Lüscher, E. Ueber das Vorkommen kleiner, trockener Defekte (Foramina Rivini) in der Pars flaccida. Zschr. Hals &c. Heilk., 1929–30, **25**: 129–36.—**Ramadier, J., & Pialoux, P.** Le foramen de Rivinus. Ann. otolar., Par., 1949, **66**: 433–8.

—— Foreign bodies.

Hicguet, X. M. Grenaille de fer incluse dans le tympan; radio; extraction. Ann. otolar., Par., 1948, **65**: 637–9.

—— Genetics.

Landolt, R. *Otomikroskopische Trommelfellbeobachtungen an eineiigen Zwillingen. 30p. 23cm. Bern, 1941.

Heiff, O. M. Studies on Amphibian metamorphosis; direct tympanic membrane formation from dermal plicae, integument transplanted to the ear region. J. Exp. Biol., Lond., 1937, **14**: 1–15, 2 pl.—**Lüscher, E.** Ueber erbbiologische Merkmale an Zwillingstrommelfellen. Arch. Ohr. &c. Heilk., 1941, **149**: 277–97. ——— Otomikroskopische Beobachtungen an Zwillingstrommelfellen. Pract. otorhinolar., Basel, 1944, **6**: 278. Also Arch. Julius Klaus Stift., 1944, **19**: 461.—**Popov, V. V.** Induction of tympanic membrane in Bombina and Pelobates fuscus. C. rend. Acad. sc. URSS, 1945, **48**: 374–6.

—— Hemorrhage.

See also subheadings (blue; Color) also **Middle ear,** Hemorrhage.

Edman, W. [Case of grave hematotympanum in a flier] Sven. läk. tidn., 1935, **32**: 1098–103.—**Hayasi, K., & Mori, H.** Komaku sensi ni yori sikketusi wo mitaru ōdan no iti rei [case of jaundice in which death due to hemorrhage resulted after puncture of the tympanic membrane] Zibiinkoka rinsyo, 1943, **38**: 499–501.—**Kraus, L.** Rezidivierende Spontanblutung aus dem Trommelfell. Mschr. Ohrenh., Wien, 1928, **62**: 1275–7, 2 pl.—**M'Kernon, J.** Hemorragia grave después de una paracentesis del tímpano. Siglo méd., 1898, **45**: 696.—**Trimarchi, A.** Otorragia da paracentesi timpanica in emofilico. Arch. ital. otol. 1924, **35**: 353–5.

—— Hernia.

See also **Middle ear,** Hernia.

Botella, E. Hernia considerable del tímpano simulando un pólipo. Libro de actas Congr. españ. otorinolar., 1910, 3. Congr., 365–8.

—— Hyperemia.

See also subheading Injury.

Korkis, F. B. Blast hyperaemia of the tympanic membrane. J. Lar. Otol., Lond., 1950, **64:** 70–81, pl.—**Salaris, E.** La terapia della congestione timpanica con la tintura d'iodo. Boll. mal. orecchio, 1948, **66:** 41–4.

—— Injury.

See also other subheadings (Burns; Foreign bodies; Rupture) also **Burns; Explosion; Middle ear,** Injury.

Bargeton, G. R. J. M. *Contribution à l'étude des traumatismes de la membrane tympanique [Nancy] 141p. 24cm. Lille, 1937.

Darge, G. *Ueber indirekte Trommelfellruptur durch Sturz. 23p., 8° Berl., 1925.

Alekseev, D. I. [Traumatic injuries of the tympanum] Vest. otorinolar., 1940, No. 11, 114.—**Alexander, A. B.** Rupture of the drumhead as a wartime injury. Brit. M. J., 1941, **2:** 195. Also War Med. Sympos., N. Y., 1942, 148–53. ——— Rupture of the drumhead as a peace and war-time injury. Pract. otorhinolar., Basel, 1942, **4:** 332–42.—**Alkalaj, M.** [Injuries of the ear drum during high altitude flights] Voj. san. glasnik, 1937, **8:** 500–2.—**Arkhipov, A. I.** K voprosu ob etiologii travmaticheskikh povrezhdenii barabannoi pereponki u nizhnikh chinov nasheĭ armii. Voen. med. J., 1906, **217:** spec. pt, 623–35.—**Aronheim.** Drei Fälle von indirekter traumatischer Trommelfellruptur. Mschr. Unfallh., 1905, **12:** 336–8.—**Berberich, J.** Radium-Roentgenschädigung des Trommelfelles. Fol. otolar. orient., 1935, **2:** 323.—**Bordley, J. E., & Hardy, M.** Effect of lesions of the tympanic membrane on the hearing acuity. Arch. Otolar., Chic., 1937, **26:** 649–57.—**Braislin, W. C.** Traumatic rupture of the tympanic membrane. Brooklyn M. J., 1898, **12:** 9–15.—**Broderick, C. E.** Traumatic tympanic rupture. J. Iowa M. Soc., 1929, **19:** 495–7.—**Chavasse, P.** Perforation de la membrane du tympan de l'oreille droite par la pointe d'un sabre de cavalerie pendant une charge. Arch. internat. laryng., Par., 1905, **19:** 364–6.—**Fitz-Hugh, G. S.** Traumatic perforation of the ear drums. Virginia M. Month., 1946, **73:** 504.—**Goufas, G.** Contribution à l'étude anatomo-clinique des ruptures traumatiques de la membrane tympanique. Ann. otolar., Par., 1947, **64:** 57–77.—**Hartung, F.** Traumatismo raro da membrana timpânica. Rev. brasil. otorinolar., 1939, **7:** 361.—**Haug, R.** Kann eine durch Luftdusche veranlasste Ruptur des Trommelfells als fahrlässige Verletzung angesprochen werden? Aerztl. Sachverst. Ztg, 1906, **12:** 493.—**Imasawa, M.** [Perforation of the tympanic membrane from injury] Sei i kwai M. J., 1905, **24:** No. 278, pt 2, 8–21.—**Javůrek, J.** A clinical note on traumatic ruptures of the tympanic membrane. Otolar. slav., Praha, 1931, **3:** 539–43, 2 pl.—**Jones, H. M.** Drawing of a traumatic perforation of the tympanic membrane. J. Lar. Otol., Lond., 1905, **20:** 157–9.—**Kelly, D. B.** Rupture of the drumhead as a wartime injury. Brit. M. J., 1941, **2:** 388.—**Krepuska, G.** A dobhártya közvetlen sérülésének egyik szokatlanabb módja. Orr gége fülgyógy., 1905, 9–11.—**McNaughton-Jones, H.** Drawing of a traumatic perforation of the tympanic membrane. Tr. Otol. Soc. U. K., 1904–05, **6:** 50–2.—**Milovanović, M.** Blitzschlag und Trommelfellrupturen. Mschr. Ohrenh., Wien, 1935, **69:** 489–92.—**Monteiro, A.** Perfuração traumática do tímpano por espirro. Rev. brasil. otorinolar., 1943, **11:** 135.—**Moreira, D.** Ruptura traumática da membrana timpânica. Fol. med., Rio, 1937, **18:** 249.—**Nepveu, A.** Destruction traumatique totale du tympan et restitution ad integrum. Otorhinolar. internat., Lyon, 1948, **32:** 187.—**Ramírez Santaló, A.** Roturas timpánicas de causa traumática. Libro de actas Congr. españ. otorinolar., 1910, 3. Congr., 543–6.—**Simizu, S.** Usoku naizi sisō no iti rei ni tuite [case of a punctured wound in the inner ear on the right side] Nagoya igakkai zassi, 1943, **57:** 455.—**Vaida Voevod, A., & Weinstein, I.** [Injuries of the tympanum] Cluj. med., 1935, **16:** 472–8.—**Wullstein, H.** Trommelfellzerreissung durch Blitzschlag. Münch. med. Wschr., 1936, **83:** 802.—**Yamada, Y.** Ueber die klinischen Beobachtungen der indirekten Trommelfellverletzungen. Zschr. Otorhinolar., Tokyo, 1938, **44:** 70; 134.—**Yamakawa, K.** Gaisyō-sei komaku senkō [perforation of the membrana tympani caused by external injury] Dōzin igaku, 1936, **9:** 476–9.—**Ygberg, N. H.** Till frågen om behandlingen av traumatiska trumhinnerupturer. Nord. med., 1943, **17:** 234. Also Acta otolar., Stockh., 1944, **32:** 370–6.—**Zaviska, P.** [Traumatic rupture of the tympanum] Bratisl. lek. listy, 1937, **17:** 504–11.—**Zurik, S.** Treatment of traumatic perforation of the ear drum. War Med., Chic., 1942, **2:** 571–3.

—— Injury: Blast.

See also **Middle ear,** Injury: Blast.

Baron, S. H. The repair of the eardrum in blast injuries. Tr. Am. Lar. Rhin. Otol. Soc., 1948, **52:** 314–25. Also Ann. Otol. Rhinol., 1948, **57:** 143–52.—**Blast** injuries of the ears. Bull. U. S. Army M. Dep., 1943, No. 69, 13.—**Cantor, J. J.** Rupture of the tympanic membrane due to blast; a mechanical hypothesis. Ann. Otol. Rhinol., 1945, **54:** 554–67.—**Chavanne, F.** Ruptures du tympan par éclatement d'obus ou détonations à proximité; compliquées d'otite moyenne purulente aiguë; statistique d'après 543 cas personnels. Otorhinolar. internat., Lyon, 1919, **7:** 148–51.—**Craig, D. H.** Injury to tympanic membrane caused by explosions; 6 cases. Lancet, Lond., 1940, **2:** 40.—**Folbre, T. W.** Blast rupture of the tympanic membrane. Texas J. M., 1947–48, **43:** 397–400.—**Glass, E. J. G.** Blast injury of the tympanic membrane. J. Lar. Otol., Lond., 1945, **60:** 441–4.—**Hall, R. A., & Linn, L.** Rupture de la membrane tympanique suivant des explosions avec étude psychiatrique. Algérie méd., 1943, 211.—**Ireland, P. E.** Traumatic perforations of tympanic membrane due to blast injury. Canad. M. Ass. J., 1946, **54:** 256–8.—**Kindler, W.** Trommelfellverletzungen durch Knallerbsen und Brandsatz (Elektronthermit) und ihre Folgen. Deut. Militärarzt, 1938, **3:** 346–50.—**Korkis, F. B.** Rupture of the tympanic membrane of blast origin. J. Lar. Otol., Lond., 1946, **61:** 367–90.—**Kriegsmann, G.** Ueber Trommelfellveränderungen nach dem Schiessen mit dem Panzerabwehrgeschütz. Arch. Ohr. &c. Heilk., 1939, **146:** 402–8.—**Lubliner, L.** O urazach błony, bębenkowej wywołanych wybuchem bomb. Medycyna, 1906, **34:** 656–60.—**Palmer, G. W.** Blast perforation of ear-drums. Brit. M. J., 1943, **2:** 233.—**Perforation** of drum membrane and exposure to noise. J. Am. M. Ass., 1943, **122:** 840.—**Rice, A. H.** Blast perforation of the ear drum. Arch. Otolar., Chic., 1949, **49:** 316–30. Also América clín., 1949, **15:** 263–6.—**Sherman, M.** [Rupture of the tympanic membrane due to the explosion of bombs] Harefuah, Tel Aviv, 1941, **20:** 38.—**Simizu, S., Gotō, S., & Hirata, S.** Gaisyō-sei komaku-senkō ni tuite [rupture of the tympanum caused by external injury] Nagoya igakkai zassi, 1943, **57:** 675.

—— Lymphangioma.

Yamasita, K., & Hirose, W. Komaku rinpakan-syu [lymphangioma of the tympanic membrane] Zibiinkoka rinsyo, 1943, **38:** 384–6, pl.

—— Massage.

Beck, J. C. A new method of tympanic massage by means of metallic mercury. Ann. Otol. Rhinol., 1905, **14:** 784–8. Also Laryngoscope, 1905, **15:** 1913–6; Disc., 971–6. Also Prat. méd. fr., 1906, **20:** 1–4.—**Lester, J. C.** Pneumotympanic vibrator. Tr. Am. Otol. Soc., 1931, 270–3. Also Ann. Otol. Rhinol., 1931, **40:** 596–9.—**Truss, H. S.** A new form of tympanic masseur. Lancet, Lond., 1906, **1:** 682.—**Vasiliu, D.** Procédé personnel de massage vibratoire du tympan par voie salpingienne. Arch. internat. laryng., Par., 1926, **32:** 996–1000.—**Wiening, H.** Ein neuer Trommelfellmassageapparat Tromafix. Med. Welt., 1935, **9:** 1550.

—— Movement.

See also subdivision Vibration.

Balla, A. I movimenti respiratori anormali della membrana timpanica. Arch. ital. otol., 1905–06, **17:** 381–5.—**Bonain, A.** Contribution à la physiologie de l'oreille moyenne; note sur les mouvements de la membrane du tympan à l'état normal et leur relation avec les échanges des atmosphères gazeuses de l'oreille moyenne et des cavités naso-pharyngées. Bull. Acad. méd., Par., 1925, **93:** 627–9. Also Ann. mal. oreille, 1925, **44:** 784–91.—**Borries, G. V.** [Movements of drum head with respiration] Hospitalstidende, 1931, **74:** Dansk otolar. selsk. forh., 60–3.—**Casella, B.** Sulla fatica periferica dell'orecchio; nuovo metodo di registrazione grafica dei movimenti del timpano. Valsalva, 1926, **2:** 289–98, 2 pl.—**Citovich, M. F.** K voprosu o dykhatelnykh i pulsatornykh dvizheniyakh barabannoĭ pereponki. Russk. vrach, 1906, **5:** 699–701.—**Colquhoun, W.** Recent physical researches on the nature of vowel tones in regard to their bearing on movements of the tympanic membrane. Tr. Otol. Soc. U. K., 1903–04, **5:** 78–87.—**Frenckner, P.** A method for registering the movements of the tympanic membrane in the living person, a preliminary report. Acta otolar., Stockh., 1939, **27:** 707–12.—**Kostelijk.** Adembewegingen van het trommelvlies. Ned. tschr. geneesk., 1942, **86:** 2671.—**Perov, N.** Sluchai ritmicheskoi podvizhnosti barabannoi pereponki v zavisimosti ot dykhatelnykh dvizhenii. Ezhemies. ushn. gorlov. nosov. boliezn., 1906–07, **1:** 94.—**Wessely, E., & Schwarz, A.** Filmaufnahme eines Trommelfelles mit exzessiven respiratorischen Bewegungen. Zschr. Hals &c. Heilk., 1927–28, **18:** 422–4; Disc., 476–85.

—— Muscle.

See **Middle ear,** Muscles: Tensor tympani.

—— Mycosis.

Mougneau, R., & Le Coulant, P. Myringomycoses dues à Sterigmatocystis nigra. Gaz. sc. méd. Bordeaux, 1936, **57:** 19–21.

—— Myringitis.

Bouchet & Debain. Sur un cas de myringite. Ann. otolar., Par., 1946, **13**: 246.—**Josephson, E. M.** Tinnitus and deafness due to interstitial myringitis. Eye Ear &c. Month., 1931, **10**: 421.—**Riegele, L.** Ueber Veränderungen am Nervenapparat des entzündeten Trommelfells. Zschr. Hals &c. Heilk., 1933–34, **35**: 139–45.

—— Myringitis bullosa (et vesiculosa)

Racca, U. Un caso di miringite vescicolosa primitiva. Valsalva, 1939, **15**: 456–60, pl.—**Senturia, B. H., &. Sulkin, S. E.** The etiology of myringitis bullosa hemorrhagica; preliminary report. Ann. Otol. Rhinol., 1942, **51**: 476–82.—**Tanturri, D.** La miringite vescicolosa primitiva. Rinasc. med., 1939, **16**: 673.—**Ullmann, E. V.** Zur Aetiologie der Myringitis bullosa. Mschr. Ohrenh., Wien, 1926, **60**: 41–8.

——— Myringitis bullosa; its symptoms and etiology. Northwest M., 1931, **30**: 14–6.—**Weiss, J.** Inflamaciones de la membrana del tímpano; miringitis vesiculosa y otitis externa vesiculosa. Semana méd., B. Air., 1931, **38**: 172–4.—**Ziegelman, E. F.** Myringitis bullosa; report of two cases. Arch. Otolar., Chic., 1931, **14**: 472–5.

—— Myringitis granulosa.

Hochfilzer, J. J. Myringitis granulosa. Tr. Am. Lar. Rhin. Otol. Soc., 1945, 326–34. Also Laryngoscope, 1945, **55**: 509–18.—**Kriegsmann, G.** Zur Erkennung der granulierenden Entzündung der Trommelfellmembran (Myringitis granulosa) Deut. Militärarzt, 1943, **8**: 340.—**Moffett, A. J.** Granulating myringitis; an unusual affection of the ear drum. J. Lar. Otol., Lond., 1943, **58**: 453–6, 2 pl.

—— Myringitis hemorrhagica.

See also other subheadings (blue; Color; Hemorrhage)

Rueda, F. Paquitimpanitis hemorrágica ó hemotímpano. Libro de actas Congr. nac. otorinolar., Madr., 1912, 4. Congr., 588–92.

—— Myringitis reflexa.

Cora Eliseht, F., & Montero, J. Miringitis refleja meningogena. Prensa méd. argent., 1944, **31**: pt 2, 2652.—**Marinho, J.** Da miringite reflexa. Hospital, Rio, 1936, **10**: 1353–7.

—— Nerve supply.

Caussé, R. Etude clinique de la sensibilité de la membrane tympanique. Rev. otoneur., Par., 1938, **16**: 33–8.—**Deineka, D.** Ueber die Nerven des Trommelfells. Arch. mikr. Anat., 1905, **36**: 116–20, pl.—**Kaji, H.** On the nervous system of the membrana tympani and the sympathetic nerve-cells in the outer ear. Jap. J. M. Sc., 1931, **1**: 95–124, 4 pl.—**Manasse.** Ueber die Empfindlichkeit des Trommelfells für äussere Reize. Zschr. Hals &c. Heilk., 1922, **3**: 69–74.—**Riegele, L.** Histologische Studie zur Innervation des menschlichen Trommelfells. Ibid., 1933, **33**: 239–67.

—— Osteoma [incl. calcification]

Androsov, M. D. Sluchai mnozhestvennoi osteomy barabannoi pereponki. Vest. otorinolar., 1949, **11**: No. 5, 73, illust.—**Berberich, J.** Multiple Osteome des Trommelfells. Arch. Ohr. &c. Heilk., 1926, **115**: 182–6, pl.—**Böke, G.** A dobhártya szövetelemeiben elöforduló elmeszesedésről. Fülészet, 1905, 25.

—— Paracentesis [Myringotomy]

See also subdivision Hemorrhage; also **Middle-ear inflammation** subheadings (Diagnosis; Surgery)

Laval, R. *La myringotomie atrio-atticale; ses justifications; sa technique. 71p. 24cm. Toulouse, 1938.

Ott, H. *Aufgabe und Anzeigenstellung des Trommelfellschnittes. 14p. 8° Erlangen, 1937.

Renac, R. *De l'importance de la ponction exploratrice du tympan dans les otites latentes du nourrisson. 72p. 8° Par., 1930.

Akune, M. Kyū-sei tyūzien sōki sindan-hō tosite no kositu siken sensi [experimental puncture of the tympanum ...] Nagoya igakkai zassi, 1943, **57**: 456.—**Andrade Pradillo, J.** El signo de crujido al iniciar la paracentesis del tímpano. Rev. cir. Hosp. Juárez, Méx., 1936, **7**: 1075–7.—**Asai, R.** Komaku sekkai. Igaku, 1947, **3**: 120–2.—**Aubry, M.** Les indications de la paracentèse du tympan. Presse méd., 1937, **45**: 423.—**Berini, F.** Miringotomia; su técnica e indicaciones. Rev. med. cir., Barcel., 1904, **18**: 537–47.—**Bettin, G. G.** Lesione del bulbo della giugulare da paracentesi timpanica. Ann. laring., Tor., 1933, **33**: 124–8.—**Birkholz.** Ueber die Probepunktion des Trommelfelles. Zschr. Laryng., 1928, **17**: 245–7.—**Connal, J. G.** Incision of the tympanic membrane. Practitioner, Lond., 1905, **75**: 318–22.—**Deleau.** Sur un nouveau procédé pour la perforation du tympan, afin de rendre l'ouïe. Bull. Soc. méd. émul., Par., 1822, Suppl., 49–51.—**Druss, J. G.** Incisions of drum membrane in otitis media. Am. J. Surg., 1937, **36**: 102–6.—**Errecart, P. L., & Prini, A.** Paracentesis del tímpano (miringotomía) Rev. san. mil., B. Air., 1937, **36**: 1148–55.—**Escat, E.** De la paracentèse maxima ou myringotomie atrio-atticale. Ann. otolar., Par., 1934, 861–3.—**Ficht, F.** Ueber einen interessanten Fall von künstlicher Vergrösserung einer Trommelfellperforation. Arch. Ohr. &c. Heilk., 1931, **128**: 154–6.—**Fraser, J. S.** Drainage of the middle-ear cleft. Brit. M. J., 1935, **1**: 1289.—**Geschelin, A.** Indications for paracentesis in children. Fol. otolar. orient., 1932–33, **1**: 307–16.—**Gluck, C.** The unnecessity of myringotomy in acute middle ear inflammations. Laryngoscope, 1926, **36**: 427–33.—**Grahe, K.** Der Trommelfellschnitt. Med. Klin., Berl., 1940, **36**: 241–3.—**Hagedorn, M.** Die Indikation und die Technik der Paracentese (des Trommelfells) in der Praxis. Med. Woche, Halle, 1906, **7**: 389–91.—**Hunter, K.** Paracentesis tympani. Ulster M. J., 1941, **10**: 45.—**Jack, F. L.** Some of the indications for opening the membrana tympani. Med. Commun. Massachusetts M. Soc., 1896–98, **17**: 471–4.—**Jobson, T. B.** Paracentesis and myringotomy; a question of terminology. Brit. M. J., 1946, **1**: 21.—**Klein, V.** En paracentese naal til trommehinden. Ugeskr. laeger, 1906, 5. R., **13**: 342–4.—**Lampe, R.** Ein historischer Beitrag. Zbl. Chir., 1926, **53**: 2405.—**Lavigne, R. J.** Myringotomy. Tufts M. J., 1939–40, **6**: 42–4.—**Leroux-Robert.** Comment explorer la caisse du nourrisson? (à propos de 2,000 ponctions d'auteurs Canadiens) Ann. mal. oreille, 1930, **49**: 389–91.—**Müller, F.** Sôbre a dificuldade da indicação acertada da paracentese da membrana do tímpano e a possibilidade de evitar-la. Rev. otolar. S. Paulo, 1936, **4**: 645–52.—**Mündnich, K.** Die Anzeige zum Trommelfellschnitt an der Prager Deutschen Ohrenklinik seit Emanuel Zaufal. Münch. med. Wschr., 1938, **85**: 1946–9.—**Myers, J. L.** A study of the complications that may follow myringotomy. Ann. Otol., Rhinol., 1930, **39**: 807–13, pl.—**Nussbaum, S.** Paracentesis of tympanum. In: Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, **1**: 146.—**Ohzawa, R.** Komaku sekkai ni tuite. Operation, Tokyo, 1947, **1**: 316–20.—**Olivares, M. G.** Otitis media y paracentesis del tímpano. Pediat. Américas, Méx., 1944, **2**: 223–6.—**Reiniger, A.** Ueber die diagnostische Bedeutung der Mittelohrpunktion. Mschr. Ohrenh., Wien, 1932, **66**: 694–701.—**Shea, J. J.**—Myringotomy; incision of the ear-drum membrane. Wisconsin M. J., 1939, **38**: 273.—**Stuart-Low, W.** Paracentesis tympani; a practitioner's operation. Practitioner, Lond., 1927, **119**: 39–41.—**Takahasi, M.** Komaku sekkai-zyutu ni tuite [the technique ...] Operation, Tokyo, 1947, **1**: 234–6.—**Tapia Acuña, C.** La miringotomía; crítica de los procedimientos. Pediat. Américas, Méx., 1947, **5**: 496–500.—**Thost, A.** Die Anästhesie und Parazentese des Trommelfells. Arch. Ohr. &c. Heilk., 1929, **120**: 211–3.—**Vermeesch.** De kunstmatige doorsnijding van het trommelvlies. Handel. Vlaamsch. natur geneesk. Congr. (1903) 1904, **7**: 208–12.—**Vilar Sancho, R.** Tiene contraindicación la miringotomía en los procesos inflamatorios exudativos cerrados del oído medio en la infancia? Libro de actas Congr. nac. pediat., Santander (1944) 1945, 6. Congr., 758.—**Wanner, F.** Die Parazentese. Zschr. Laryng., 1929–30, **19**: 349–52.—**Weln Z.** Parazentese-Phantom. Mschr. Ohrenh., Wien, 1937, **71**: 551–4.

—— Photography.

Schulz van Treeck, A. *Die Photographie des Trommelfells. 20p. 23cm. Berl., 1938.

Hantman, I. A simple technic for photography of the drum head. Arch. Otolar., Chic., 1941, **34**: 7–10, pl.—**Hegener, J.** Die Photographie des Trommelfells. Handb. Hals &c. Heilk. (Denker & Kahler) 1926, **6**: 944–9.—**LaRue, M. W., & Brubaker, J. D.** Ear-drum and macro-cinematography in kodachrome. J. Biol. Photogr. Ass., 1946–47, **15**: 3–12, pl.—**Schulz van Treeck, A.** Ein neues Instrument zur Untersuchung und Photographie des Trommelfells. Zschr. Hals &c. Heilk., 1938, **44**: 326–31.

—— Physiology.

See also **Middle ear,** Sound conduction.

Dishoeck, H. A. E. v., & De Wit, G. Loading and covering of the tympanic membrane and obstruction of the external auditory canal. Acta otolar., Stockh., 1944, **32**: 99–111.—**Esser, M. H. M.** The mechanism of the middle ear; the drum. Bull. Math. Biophys., 1947, **9**: 75–91.—**Gianni, O.** Contributo allo studio del potere assorbente della membrana timpanica. Valsalva, 1935, **11**: 157–65.—**Hamberger, C. A., & Lindgren, A.** Några ord om kärlförhållandena i trumhinna och mellanöra [Discussion] Nord. med., 1941, **12**: 3361.—**Heinrich, W.** Sur la fonction de la membrane du tympan. Tr. Laborat. psychol. exp., Kraków, 1926, 127–41.—**Lüscher, E.** The functional effect of loading of the tympanic membrane. Acta otolar., Stockh., 1945, **33**: 265–72.—**Restivo, P.** Modificazioni respiratorie e circolatorie da compressione delle membrane timpaniche. Valsalva, 1930, **6**: 710–5.—**Stagnitta, G.** Sul potere assorbente della membrana timpanica. Ibid., 1933, **9**: 42–8.

—— Protection.

See also subheading (Injury: Blast)

EDWARDS, D. A. W. Observations on the design and development of ear defenders. 20p. 32½cm. Lond., 1948.
Forms F. P. R. C. No. 700a, Gr. Britain Flying Pers. Res. Com.

Baum, E. Eardrum protector. U. S. Patent Off., 1941, No. 2,230,738.—**Cantor, J. J.** Device for protecting the ear drum. Ibid., 1948, No. 2,441,866.—**James, J. A.** Gun blast and the use of moulded ear defenders. J. Lar. Otol., Lond., 1945, **60**: 294–7, pl.—**Kragh, J.** Om multigheden af at beskytte øret mod staerke lyde. Militaerlaegen, 1948, **54**: 81–92.—**Prevention** of ear damage; directions for the use of the V–51 (R) NDRC ear warden. Bumed News Letter, Wash., 1944, **4**: No. 4, 24.—**Rüedi, L., & Furrer, W.** Vorläufige Mitteilung über ein neues Schallschutzgerät. Pract. otorhinolar., Basel, 1944, **6**: 255–65.—**Some** general and special remarks on the investigations regarding aural protections in the army during the autumn of 1941. Acta otolar., Stockh., 1944, **32**: 502–9.—**Watson, N. A., Veneklasen, P. S.** [et al.] Ear defender. U. S. Patent Off., 1948, No. 2,437,490.—**Weisner.** Ein Ohrschutz beim Tauchen, Artillerieschiessen, bei Sprengungen usw. Deut. Militärarzt, 1939, **4**: 328.

—— Pulsation.

See also subheading Bulging.

Bustin, E., & Kőrösi, A. Objektiv hörbares Ohrgeräusch mit sichtbarer Trommelfellpulsation. Mschr. Ohrenh., Wien, 1928, **62**: 507–11.—**Lüscher, E.** Trommelfell- und Exsudatpulsation im otomikroskopischen Bilde. Zschr. Hals &c. Heilk., 1937–38, **43**: 458–63.

—— Regeneration.

Amersbach, K. Ueber die Bedeutung von Trommelfellregeneraten. Arch. Ohr. &c. Heilk., 1928, **118**: 226–34.—**Stinson, W. D.** Reparative processes in the membrana tympani; some interesting manifestations. Arch. Otolar., Chic., 1936, **24**: 600–5.

—— Relaxation, retraction, and tension.

See also **Middle ear,** Pressure; **Middle-ear inflammation,** Manifestation.

Araki, T. Komaku tikan-bu ni kansuru tiken hoi [... on the relaxed part of the tympanic membrane] Zibiinkoka rinsyo, 1944, **39**: 35–72, pl.—**Blake, C. J.** Relâchement du segment postéro-supérieur de la membrane du tympan. Ann. mal. oreille, 1899, **25**: 555–8.—**Bryant, W. S.** Collodion; its use when the membrana tympani and maleal ligaments are relaxed. Ann. Otol. Rhinol., 1905, **14**: 283–8. Also J. Lar. Otol., Lond., 1905, **20**: 354–8.—**Dishoeck, H. A. E. v.** Measurement of the tension of the tympanic membrane and of the resistance of the eustachian tube. Arch. Otolar., Chic., 1941, **34**: 596–602.—**Körner, O.** Die Verkleinerung des Hammerwinkels durch chronische Einwärtsdrängung des Trommelfells. Zschrs. Ohrenh., 1905, **50**: 431–3.—**Lichtenberg, K.** Dobhártya-collapsus. Budap. Orvosegy. évk. (1891) 1892, 91–3.

—— Rupture.

See also other subdivisions (Injury: Blast; Shrapnell membrane; Surgery)

MEMMERT, W. D. *Ursachen und Prognose der Trommelfellrupturen. 20p. 21½cm. Marb., 1937.

Arkhipov, A. M. K voprosu o liechenii sukhikh perforatsii barabannoĭ pereponki trikhloruksusnoĭ kislotoĭ (po sposobu V. N. Okuneva) Ezhemies. ushn. gorlov. nosov. boliezn., 1906, **1**: 317–26.—**Asherson, N.** A note on the light reflex and the permanent perforation of the tympanic membrane. J. Lar. Otol., Lond., 1935, **50**: 512–7.—**Barclay, R.** To heal persistent perforations of the drum-head. Med. Fortnightly, S. Louis, 1906, **30**: 581; 643.—**Barraud, A.** Perforations sèches du tympan et lavages d'oreilles. Rev. méd. Suisse rom., 1931, **51**: 356–8.—**Bénesi, O.** Alte Trommelfellperforationen und ihre Behandlung. Mschr. Ohrenh., Wien, 1932, **66**: 27–31.—**Dundas-Grant, J.** A case of perforation occupying almost the whole of the tympanic membrane, closed by repeated application of trichloracetic acid; cicatricial membrane still complete after ten years. Proc. R. Soc. M., Lond., 1927–28, **21**: Sect. Lar. Otol., 112. Also Boll. mal. orecchio, 1935, **53**: 156.—**Griot, G. A.** Old perforations of membrana tympani closed by the use of heat. Nebraska M. J., 1931, **16**: 402.—**Konisi, H.** Komaku-senkō Bénesi-si-hō tuisi seiseki [results of the Bénesi method of treatment of perforated tympanic membrane] Zibiinkoka, 1949, **21**: 402.—**Lüscher, E.** Otomikroskopische Untersuchungen über die Heilungsvorgänge und Narbenbildungen nach Trommelfelldefekten. Mschr. Ohrenh., Wien, 1938, **72**: 13–22, pl.—**Monteiro, A.** Perfuração necrótica da membrana do tímpano. Acta med., Rio, 1942, **10**: 55–7. Also Rev. brasil. otorinolar., 1942, **10**: 701.—**Muncy, W. M.** Aids to pathologic drums. J. Am. Inst. Homeop., 1937, **30**: 721.—**Osolikhina, M. M.** [On the fitness for aviation of individuals with cicatricial changes on the tympanic membrane] Vest. otorinolar., 1939, No. 5, 96.—**Politzer, A.** Moyen d'assurer la permanence de la perforation artificielle du tympan. Presse méd. belge, 1868–69, **21**: 221; 229.—**Puchkovsky, A. M.** K liecheniyu probodeniy barabannoĭ pereponki. Ezhemies. ushn. gorlov. nosov. boliezn., 1908, **3**: 29–34. ——— Trikhloruksusnaya kislota pri sukhikh probadeniyakh barabannoĭ pereponki. Voen. med. J., 1906, **216**: med. spec. pt, 201–20 [i. e., 501–20]—**Rakhmilevich, A. G.** Dva sluchaia razryva barabannoi pereponki u letchikov vo vremia pikiruiushchikh poletov. Voen. san. delo, 1941, No. 1, 102.—**Rüedi, L.** Ueber die Entstehung, die klinische Bedeutung und die Behandlung der oben randständigen, kleinen Trommelfell-Perforationen. Pract. otorhinolar., Basel, 1948, **10**: 613–25, pl.—**Schmidt, M.** Nicht tuberkulöse multiple Trommelfellperforationen. Ibid., 1940–41, **3**: 292–4.—**Szpunar, J.** O leczeniu suchych otworów środkowych błony bębenkowej metodą Okuniewa. Otolar. polska, 1947, **1**: 124–41.

—— Rupture: Complication.

Bargellini, D. Storia di sordità per rottura delle membrane del timpano, curata coll'applicazione del cotone umido. Gazz. toscana sc. med. fis., 1850, **8**: 267–72.—**Birkholz.** Schwerste Labyrinthreizungen (Labyrinthitis serosa?) nach Anwendung von Karbolglyzerin als Ohrentropfen bei Bestehen einer persistenten trockenen Durchlöcherung des Trommelfells. Zschr. ärztl. Forbild., 1931, **28**: 588.—**Muntsch, O., & Prathithavanija, B.** Gasschutz bei Perforation des Trommelfelles. Arch. Gewerbepath., 1937–38, **8**: 317–20.—**Schlittler, E.** Ertrinkungstod infolge persistenter Trommelfellperforation. Schweiz. med. Wschr., 1927, **57**: 561–3.—**Spear, E. D.** Does a hole in the drum-head destroy the hearing? a popular delusion regarding the human ear. Ann. Gyn. & Paediat., Bost., 1901, **14**: 263–9.—**Switzer, J. L., & Gates, L. E.** The effect of a perforated eardrum upon the basal metabolic rate. J. Laborat. Clin. M., 1950, **35**: 348–50.

—— Rupture, spontaneous.

Panneton, P. Sur un cas de perforation spontanée du tympan. Union méd. Canada, 1935, **64**: 884–7. Also Ann. otolar., Par., 1936, 277–80.—**Rupture** accidentelle et spontanée du tympan, avec hémorrhagie du conduit auditif. Bull. Soc. méd. émul., Par., 1822, Suppl., 51–4.—**Voorthuysen, D. v.** [Spontaneous and artificial healing of protracted ruptures of the ear drum] Ned. tschr. geneesk., 1936, **80**: 1275.

—— Secondary tympanic membrane.

See under **Middle ear,** Secondary tympanic membrane.

—— Shrapnell membrane [Flaccid portion]

NUSSBAUM, R. *Das Röntgenbild bei Perforation und Einziehung der Shrapnellschen Membran [Berlin] 29p. 8° Rietberg, 1928.

Brock, W. Mikroskopischer Nachweis des Vorkommens von Spontanperforationen im Bereich der Membrana Shrapnelli bei der akuten Otitis. Zschr. Hals &c. Heilk., 1933–34, **35**: 439–51.—**Lindsay, J. R.** Cholesteatoma associated with an isolated perforation in Shrapnell's membrane. Arch. Otolar., Chic., 1934, **20**: 47–56.—**Marx, R.** Ueber den Bau der Shrapnellschen Membran. Beitr. prakt. theor. Hals &c. Heilk., 1933–35, **31**: 431–43.—**Oltmann, H.** Ueber den Bau der Shrapnellschen Membran und ihre Beziehungen zum Bau des Mittelohres. Arch. Ohr. &c. Heilk., 1940, **147**: 325–35.—**Schiffers.** Inflammation suppurative de la région de Shrapnell. Bull. Soc. belge otol., 1905, **10**: 60.—**Schwarz, M.** Die Einsenkung der Shrapnellschen Membran und ihre klinische Bedeutung. Arch. Ohr. &c. Heilk., 1932, **131**: 16–37. ——— Zur Erblichkeit der Shrapnelleinsenkung. Ibid., 1944, **154**: 165–8.—**Sourdille, M.** Les suppurations de Shrapnell; étude anatomo-clinique et thérapeutique. J. méd. chir., Par., 1928, **99**: 739–54.—**Tunematu, K.** Ueber die funktionelle Bedeutung der Shrapnellschen Membran des Trommelfelles. Zibiinkoka rinsyo, 1943, **38**: 539–48.

—— Structure.

Filogamo, G. Sulla morfogenesi e sull'architettura della membrana del timpano. Zschr. Zellforsch., 1943–44, **33**: 14–39. ——— Recherches sur la structure de la membrane du tympan chez les différents vertébrés. Acta anat., Basel, 1949, **7**: 248–72.—**Fumagalli. Z.** Contributo alla conoscenza della struttura della lamina propria della membrana del timpano umana. Arch. ital. otol., 1942, **54**: 369–401.—**Leonardelli, G. B.** Contributo alla conoscenza dei sistemi di fibre a parabola della lamina propria della membrana del timpano umana. Ibid., 1948, **59**: 15–28.—**Miodoński, J.** Beitrag zur Mikroskopie des Trommelfelles. Mschr. Ohrenh., Wien, 1937, **71**: 742–51.

—— Surgery.

See also subdivisions (artificial; Paracentesis)

ZHIRMUNSKY, M. S. Новый оперативный способъ для достиженія незаживающаго искусственнаго прободенія барабанной перепонки. 8p. 23cm. S. Peterb., 1891.

Baginsky, B. Myringoplastik. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, **10**: 192.—**Clark, A. F.,** jr. Closure of perforations of the membrana tympani of traumatic and infectious origin. Texas J. M., 1950, **46**: 145–8.—**Dunlap, A. M., & Schuknecht, H. F.** Closure of perforations of the tympanic membrane. Tr. Am. Lar. Rhin. Otol. Soc., 1947, **51**: 215–27. Also Laryngoscope, 1947, **57**: 479–90.—**Fox, S. L.** On closing tympanic membrane perforations. South. M. J., 1945, **38**: 492.—**Kerekes, G.** A dobhártyahiány plasztikai zárásának módszere. Orv. lap., 1948, **4**: 1419.—**Leicher, H.** Ueber den Verschluss von zentralen Trommelfellperforationen. Zschr. Laryng., 1930–31, **20**: 323–38.—**Linn, E. G.** Closure of tympanic membrane perforations. Eye Ear &c. Month., 1944, **23**: 185–7.

—— Vibration.

See also subdivision Movement; also **Middle ear,** Sound conduction.

Guelke, R., & Keen, J. A. A study of the vibrations of the tympanic membrane under direct vision, with a new explanation of their physical characteristics. Physiol., Lond., 1949, **110**: 226–36, pl.—**Wilska, A.** Eine Methode zur Bestimmung der Hörschwellenamplituden des Trommelfells bei verschiedenen Frequenzen. Skand. Arch. Physiol., Berl., 1935, **72**: 161–5.

MIDDLE-EAR inflammation [Otitis media]

See also **Mastoditis; Middle ear,** Hydrotympanum; **Middle-ear drumhead,** Disease.

Portmann, G., & Kistler, K. Les otites moyennes. 211p. 8° Par., 1929.

Aboulker, H. Le mal d'oreille. Algérie méd., 1935, **39**: 877–900.—**Anderson, J. O.** Otitis media. Rep. Wayne Co. M. Soc., 1933–34, **4**: 3.—**Birrell, J. F.** The unsafe ear. Edinburgh, M. J., 1945, **52**: 213–8, pl.—**Christenberry, H. E.** Otitis media. J. Tennessee M. Ass., 1925–26, **18**: 331–4.—**Coakley, C. G.** Otitis media. J. Florida M. Ass., 1934, **20**: 568–70.—**Crebbin, J. T.** Infections of the middle ear. N. Orleans M. & S. J., 1937–38, **90**: 274–9.—**Del Villar Madrid, R.** Las otitis medias. Torreón méd., 1948, **3**: 61–8.—**Doré, J. L.** Otites, mastoïdites, sinusites. In his Méd. en l'an 2000, Par., 1949, 55.—**Errecart, P. L.** Otomastoiditis. An. otorinolar. Uruguay, 1933, **3**: 109–16.—**Harris, H. H.** Non-suppurative otitis media. Dallas M. J., 1943, **29**: 125–31.—**Harry, P. A.** Otitis media. Prescriber, Edinb., 1928, **22**: 234–8.—**Layton, T. B.** Inflammations of the middle ear cleft. Guy's Hosp. Gaz., Lond., 1940, **54**: 202–6.—**Leidler, R.** Otitis media. Wien. klin. Wschr., 1931, **44**: 263–6.—**Marvil, J. E.** Otitis media. Delaware M. J., 1941, **13**: 39–44.—**Montis.** Estado actual de los conocimientos médicos en la otitis media. Medicina, Madr., 1933, **4**: 368–81.—**Moore, P. M.,** jr. Infections of the middle ear. Cleveland Clin. Q., 1941, **8**: 5–11.—**Morgan, T. K.** Recent advances in ear infections. Middlesex Hosp. J., 1944, **44**: 47–9.—**Salerno, E. D.** A infeção no ouvido medio. Comun. Congr. sudamer. otorrinolar. (1944) 1945, 2. Congr., **2**: 62–74.—**Saruwatari, Z.** Tyūzi-en. Nippon rinsyo, 1948, **6**: 127–30.—**Wilkinson, J. A.** Otitis media. N. Orleans M. & S. J., 1930–31, **83**: 710–4.

—— acute.

See also subheadings (secretory; suppurative, acute)

Mayer, O. Die akute Mittelohrenentzündung. 47p. 8° Wien, 1928.

Mollison, W. M. Acute otitis media. 71p. 16° Lond., 1932.

Arellano, E. R. Otitis media aguda. Vida nueva, Habana, 1941, **47**: 368–70.—**Austin, E. R.** Acute otitis media. Proc. Clinic, Honolulu, 1945, **11**: 115–9.—**Beckner, W. F.** Acute otitis media. West Virginia M. J., 1926, **22**: 658–62.—**Blassingame, C. D.** Acute otitis media. Mississippi Doctor, 1937–38, **15**: No. 9, 42.—**Browne, H. S.** Etiology, diagnosis and treatment of acute otitis media. J. Oklahoma M. Ass., 1925, **18**: 159–61.—**Buikstra, C. R.** Symposium: the middle ear and mastoid; the acute middle ear. J. Indiana M. Ass., 1938, **31**: 14–6.—**Cassady, J. V.** Acute otitis media. Ibid., 1936, **29**: 17; 55.—**Chlanda.** Die akute Otitis. Wien. klin. Wschr., 1946, **58**: 635–7.—**Cohen, S.** Acute otitis media. Atlantic M. J., 1924–25, **28**: 291–5.—**Dunn, J. F.** Acute infection of the middle ear. Kentucky M. J., 1939, **37**: 9–12.—**Gershkovich, I. M., & Frei, S. L.** [Acute affections of the external and middle ear and treatment] Feldsher, Moskva, 1938, No. 2, 55–7.—**Gibson, M. R.** Acute exudative middle-ear catarrh. Tr. M. Soc. N. Carolina, 1924, **71**: 427–34. Also South. M. & S., 1924, **86**: 343–6.—**Glass, E. J. G.** Acute infection of the middle ear tract. Med. Press, Lond., 1950, **223**: 239–41.—**Guthrie, D.** The acute ear in general practice. Brit. M. J., 1934, **2**: 4–6.—**Haymann, L.** Der Tuben- beziehungsweise Mittelohrkatarrh. Münch. med. Wschr., 1940, **87**: 606–11.—**Hoople, G. D., & Blaisdell, I. H.** The problem of acute catarrhal otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1943, 18–23. ——— Some clinical observations on acute catarrhal otitis media. Proc. R. Soc. M., Lond., 1943–44, **37**: 270–4.—**Jewell, J. H. A.** Otitis externa and acute otitis media. Brit. Guiana M. Annual, 1947, **28**: 77–84.—**Jones, C. C.** Acute catarrhal otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1940, **46**: 379–83.—**Jory, N. A.** Acute otitis media. Postgrad. M. J., Lond., 1938, **14**: 197–203.—**Joublin, J.** De l'otite aiguë. Progr. méd., Par., 1948, **76**: 17–21.—**Kearby, D. O.** Acute otitis media. J. Indiana M. Ass., 1927, **20**: 64–7.—**Kirkpatrick, H. L.** Acute otitis media. J. Kansas M. Soc., 1936, **37**: 401–3.—**Linck, A.** Die akute Otitis media ohne Mastoiditis. Arch. Ohr. &c. Heilk., 1938, **145**: 174–99.—**Macdonald, E. I. A.** Acute otitis media. N. Zealand M. J., 1949, **48**: 58–64.—**Marsh, F. D.** Acute otitis media. Med. Press & Circ., Dubl., 1936, **192**: 52–5.—**Martin, R. F. J.** Acute otitis. In: Fasc. Cestriens., Macclesfield, 1934, 214–9.—**Metzenbaum, M.** Acute inflammations of the middle ear. Laryngoscope, 1926, **36**: 809–11.—**Mollison, W. M.** Acute otitis media. Practitioner, Lond., 1942, **148**: 321–6. ——— The acute ear. Brit. M. J., 1949, **2**: 923–5.—**Neumann, H.** Ueber die akut entzündlichen Erkrankungen des Mittelohres. Wien. med. Wschr., 1926, **76**: 539.—**Ockel, Glama & Wreden.** Die katarrhalische Entzündung (der einfache Ohrkatarrh) S. Petersb. med. Zschr., 1863, **5**: 257–93.—**Page, J. R.** Acute infections of the middle ear and mastoid. Surg. Gyn. Obst., 1935, **60**: 578.—**Pandullo Solsona, L.** Las otitis medias agudas en la practica del médico general y del pediatra. Med. & cir. guerra, 1947, **9**: 165–77.—**Perwitzschky, R.** Die akute Otitis media. Med. Welt, 1940, **14**: 1167–72.—**Pitman, L. K.** Acute otitis media in adults. Laryngoscope, 1926, **36**: 600–4.—**Richardson, J. R.** Observations in acute otitis media. Ann. Otol. Rhinol., 1942, **51**: 804–16.—**Richter, H.** Grundsätzliches über den Verlauf der akuten Mittelohrentzündung. Med Klin., Berl., 1949, **44**: 295–8.—**Ridout, C. A. S.** The acute ear. Proc. R. Soc. M., Lond., 1928–29, **22**: Sect. Otol., 80–5.—**Rimaud, L.** Sur deux formes d'otite moyenne aiguë. Loire méd., 1927, **41**: 507–16.—**Robbio Campos, J., & Arpón O'Connor, F.** Otitis media aguda. Acción méd., B. Air., 1940, **10**: 723–5.—**Rodger, T. R.** The problem of the acute ear. Canad. M. Ass. J., 1926, **16**: 903–8.—**Sanjeeva Rao, M.** Acute otitis media. Punjab M. J., 1942, **7**: 376–83.—**Seiferth, L. B.** Klinisches zur akuten Otitis und Mastoiditis und deren Komplikationen. Beitr. Anat. Ohr., 1928, **27**: 68–107.—**Sullivan, J. A.** Acute otitis media. Univ. Toronto M. J., 1940–41, **18**: 123–8.—**Tumarkin, A.** Acute otitis media. Brit. M. J., 1936, **1**: 911.—**White, C. P.** Certain phases of acute otitis media. Delaware M. J., 1936, **8**: 146–51.—**Williams, J. P.** Acute otitis media. Proc. Nebraska M. Soc., 1900, **32**: 292–7.

—— acute: Complication.

See also subdivision Complication.

Blank, H. *Ein Beitrag zur Frage der Beziehungen zwischen den Erregern und den endocraniellen Komplikationen der akuten Mittelohrentzündung [Erlangen] 31p. 8° Forchheim, 1936.

Opfermann, H. *Ueber einige seltene Komplikationen bei akuter Mittelohrentzündung (Senkungsabszess am Foramen magnum der Schädelbasis, Bulbusthrombose mit Lähmung des Nervus glossopharyngeus, Vagus und Accessorius, ferner ein Fall von Gradenigoschem Symptomenkomplex) 31p. 8° Würzb., 1928.

Reichard, W. *Ueber die in den Jahren 1929–1936 in der Erlanger Klinik beobachteten lebensgefährlichen Verwicklungen der akuten Mitterlohrentzündung. 35p. 22cm. Erlangen-Bruck, 1937.

Baudet, P. M. G., & Baudet, A. Infections otitiques aiguës et leurs complications observées pendant l'hiver 1935–1936. Rev. serv. san. mil., Par., 1937, **107**: 199–217.—**Bozzi, E.** Osteomielite dello sfenoide e della rocca petrosa da adenotomia in individuo affetto da otomastoidite acuta. Arch. ital. otol., 1937, **49**: 395–412.—**Brock, W.** Ueber die Entstehung der Komplikationen bei verschiedenen Formen der akuten Mittelohrentzündung. Zschr. Laryng., 1927–28, **16**: 287–9. Also Zschr. Hals &c. Heilk., 1927–28, **19**: 476–99. ——— Zur Entstehung der Komplikationen bei der akuten Otitis. Ibid., 1928, **20**: 190–9; Disc., 212–24.—**Clay, J. V. F.** The complications of acute suppurative disease of the middle ear and mastoid. Hahneman. Month., 1924, **59**: 153–63.—**Fuller, C. K.** Acute nonsuppurative otitis media and sequelae; a review of one hundred cases. Ann. Otol. Rhinol., 1928, **37**: 1007–12.—**Gadolin, H. R.** An uncommon syndrome, acute otitis, facial paralysis, labyrinthine vertigo, vertical compression nystagmus, and the underlying patho-anatomy. Acta otolar., Helsin., 1948, Suppl. 67, 24–7.—**Gisselsson, L.** Frekvensen av mastoiditkomplikationer vid akuta otiter från två olika upptagningsområden. Nord. med., 1947, **36**: 2118.—**Hochfilzer, J. J.** Early or late operative treatment in complications of acute otitis media. Minnesota M., 1930, **13**: 238–41.—**Hume, J. R.** The acute ear; its dangers and complications. Mississippi Doctor, 1938–39, **16**: No. 2, 1–3.—**Krainz, W.** Ueber Früh-

komplikationen der akuten Otitis media. Wien. klin. Wschr., 1931, 44: 864–7.—**Lavrand, A.** Otite moyenne aiguë avec abcès sous-mastoïdien sans mastoïdite. J. sc. méd. Lille, 1923, 41: pt 2, 99–101.—**Marcotte, R. H.** Clinical aspects of acute otitis media and complications, from viewpoint of the general practitioner. Tr. N. Hampshire M. Soc., 1930, 95–107. Also N. England J. M., 1930, 203: 681–5.—**Neumann, H.** Akute Mittelohrentzündung und ihre Auswirkung. Wien. med. Wschr., 1933, 83: 437–9.—**Rosenhagen, H.** Ein seltenes Hirnnervensyndrom bei akuter Mittelohrerkrankung. Zbl. ges. Neur. Psychiat., 1942, 102: 190.—**Seydell, E. M.** Acute otitis media and mastoiditis. South. M. J., 1942, 35: 658–60.—**Simons, P. C.** Ingewikkeld beloop van een acute middenoorontsteking. Ned. tschr. geneesk., 1938, 82: pt 3, 4277–9.—**White, G. W.** Acute suppurative otitis media and its complications. Kentucky M. J., 1933, 31: 569–72.—**Zange, J.** Die akute Mittelohrentzündung und ihre Behandlung; welche Verwicklungen kommen als besonders gefährlich in Betracht und wie ist ihr Eintritt rechtzeitig zu erkennen und zu behandeln? Münch. med. Wschr., 1928, 75: 441–3.

—— acute: Diagnosis.

See also subdivisions (Diagnosis; Radiography)

Butzbach, J. *Le signe de l'angle rétro-tympanique dans les otites aiguës en particulier chez l'enfant. 72p. 24cm. Par., 1939.

Zangemeister, H. E. Die akute Mittelohrentzündung; ihre zeitgemässe Beurteilung und Behandlung. 83p. 22cm. Münch., 1944.

Asherson, N. Common conditions simulating acute otitis media; aural furunculosis. Clin. J., Lond., 1933, 62: 28–34. —— Uncommon conditions simulating acute otitis media. Ibid., 117–20.—**Biehl, C.** Die akute Mittelohrentzündung; diagnostische Irrtümer. Aerztl. Prax., Wien, 1935, 9: 149. Also Wien. klin. Wschr., 1935, 48: 341.—**Botella, E.** Sobre las diferentes formas de las otitis medias agudas. Siglo méd., 1918, 65: 262–4.—**Diamant, M.** [Acute or chronic otitis?] Hygiea, Stockh., 1937, 99: 21.—**Doyle, G. F.** The importance of the early diagnosis and treatment of acute inflammation of the middle ear. Kentucky M. J., 1937, 35: 517–20.—**Fitzgerald, J. H.** The diagnosis and treatment of acute exudative catarrh of the middle ear. Tr. M. Soc. N. Carolina, 1935, 82: 248–51.—**Forster, H. V.** Diagnosis and treatment of acute otitis media. Brit. M. J., 1931, 2: 645–7.—**Mackenzie, G. W.** The diagnosis and treatment of acute exudative catarrh of the middle ear. Eye Ear &c. Month., 1928, 7: 249–56.—**Marsh, F. D.** Acute otitis media. Birmingham M. Rev., 1927, n. ser., 2: 1–14, pl.—**Neumann, H.** Diagnose und Therapie der akuten Otitis (verschiedene Formen und Komplikationen) Wien. klin. Wschr., 1924, 37: 1337.—**Nylén, C. O.** Cancer metastasis in the temporal bone simulating acute inflammation in the middle ear. Acta otolar., Stockh., 1936, 24: 242–52, pl.—**Panneton, P.** Diagnostic de l'otite moyenne aiguë. Union méd. Canada, 1943, 72: 71.—**Savulesco, A.** Otite moyenne aiguë et désensibilisation métamérique; pathogénie angulaire de l'otite moyenne: le signe de la cervicalgie auriculaire provoquée. Ann. otolar., Par., 1939, 163–9.—**Schmidt, W.** Zur Beurteilung akuter Mittelohrentzündungen ohne Sekretion. Med. Klin., Münch., 1948, 43: 328–30. —— Der Wert des Blutbildes bei der akuten Mittelohrentzündung und ihren Komplikationen. HNO, Berl., 1947–49, 1: 529–37.—**Schousboe, J.** Nipple formation on the drum in acute otitis media. Acta otolar., Stockh., 1943, 31: 365–78.

—— acute: Etiology.

See also subdivision Bacteriology.

Nielsen, J. C. Studies of the aetiology of acute otitis media. 191p. 24½cm. Kbh., 1945.

Clay, J. V. F. Acute otitis complicating acute upper respiratory infection. Hahneman. Month., 1941, 76: 221–8.—**Dupont-Haibe, P.** Otite moyenne aiguë, d'origine hématogène probable. Liége méd., 1937, 30: 611–3.—**Richter, H.** Die akute Mittelohreiterung bei Residuen. Münch. med. Wschr., 1934, 81: 1498.—**Sarasina, K.** Bikō oyobi huku-bikō syuzyutugo ni heihatu-suru kyū-sei tyūzien no tōkei-teki kansatu [statistische Beobachtungen über die akute Mittelohrentzündung als Spätkomplikation nach den Operationen der Nase und ihre Nebenhöhlen] Otorhinolaryngologia, Tokyo, 1939, 12: 939–49.—**Vaheri, E.** [Pathogenesis of acute inflammation of the middle ear] Duodecim, Helsinki, 1939, 55: 160–4. Also Nord. med., 1939, 2: 1674.—**Yamasita, K., & Hamano, H.** Kyūsei zyōkidō sikkan narabi-ni kyūsei tyūzi-en no hassei to kikō yōso to no kankei [relationship between the development of acute diseases of the upper respiratory tract and acute otitis media, and climatic factors] Igaku & seibutugaku, 1943, 3: 118–22.

—— acute: Pathology.

See also subdivision (very acute)

Thielemann, U. *Beitrag zur Frage des Einflusses der anatomischen Verhältnisse und der Erreger auf den Verlauf der akuten Otitis media [Heidelberg] 25p. 21cm. Würzb., 1938.

Villnow, F. *Ueber die Verschiedenheit in der Verlaufsweise der akuten epitympanalen und mesotympanalen Mittelohrentzündung. 16p. 8° Heidelb., 1926.

Bensch, L. Röntgenbild und Operationsbefund des Warzenfortsatzes bei Otitis media acuta. Zschr. Hals &c. Heilk., 1935–36, 39: 502–20.—**Ferraris, G.** Condizioni generali dell'organismo e capacità di guarigione in tema di otomastoidite acuta. Otorinolar. ital., 1936, 6: 434–50.—**Kubo, M.** Kyū-sei tyūzi-en ni okeru zikan tūki ni tuite [passage of air through the auditory canal in acute otitis media] Nippon rinsyo, 1943, 1: 178–80.—**Meller, H.** Die Stadien der akuten Mittelohrentzündung im Hinblick auf ihre Gefährlichkeit. Wien. med. Wschr., 1943, 93: 459–64.—**Moe, R.** Regarding the causes of the variations in the clinical course of acute inflammations in the middle ear. Acta otolar., Stockh., 1943, 31: 173–222.—**Nikaido, Y.** Ueber die pathologische Veränderung des Knochen bei der akuten Mastoiditis. Zschr. Otorhinolar., Tokyo, 1938, 44: 37–40.—**Richter, H.** Ueber Sequesterbildung bei der sogenannten Uebergangsform der akuten Mittelohrentzündung. Zschr. Hals &c. Heilk., 1937–38, 43: 301–5.—**Ruttin, E.** Auftreten des Hennebertschen Symptoms während acuter Otitis. Acta otolar., Stockh., 1939, 27: 16–8.—**Tobey, H. G.** Acute catarrhal otitis media with effusion. Tr. Am. Otol. Soc., 1948, 36: 51–71.—**Van Caneghem.** La pathogénèse des déviations successives de la tête au cours des otites aiguës. Acta otorhinolar., Brux., 1947, 1: 270–4.—**Wirth, E.** Die Abhängigkeit des Verlaufs der akuten Mittelohrentzündung von bakteriologischen und anatomischen Einflüssen. Zschr. Hals &c. Heilk., 1927–28, 18: 350–4; Disc., 358–64. —— Ueber die Beteiligung des Gehörganges bei akuten Mittelohrentzündungen. Arch. Ohr. &c. Heilk., 1941, 149: 10–26.—**Zambrini, A. R., & Podesta, R.** Algunos aspectos histopatológicos de las otitis medias agudas. An. otorinolar. Uruguay, 1933, 3: 161–6.

—— acute: Surgery.

See also **Middle-ear drumhead**, Paracentesis.

Bondarenko, A. T. [On the effect of novocain block of the nervous system on the course of acute otitis, mastoiditis and septicemia] J. ushn. nosov. gorlov. bolez., 1939, 16: 297–303.—**Cruz Bustillos, C. A.** Otitis media aguda y paracentesis. Vida nueva, Habana, 1942, 50: 157–70.—**Diggle, F. H.** A plea for the earlier operative treatment of acute otitis media. Brit. M. J., 1924, 2: 940.—**Koch, J.** Die Behandlung der nicht perforierten akuten Mittelohrentzündung und die Anwendung der Parazentese. Fortsch. Ther., 1933, 9: 652–8.—**Malherbe, A.** Traitement chirurgical de l'antro-tympanite aiguë infectieuse. P. verb. Congr. fr. chir., 1911, 24. Congr., 359–64.—**Richter, H.** Die Berücksichtigung der anatomischen Struktur des Schläfenbeines bei der Anzeige zur Operation der akuten Mittelohrentzündung. Zschr. Hals &c. Heilk., 1939, 45: 266–83.—**Unterberger, S.** Die akute Mittelohrentzündung und ihre Behandlung; die konservative Behandlung, einschliesslich des Trommelfellschnittes und wann er am Platze ist. Münch. med. Wschr., 1928, 75: 357–9.—**Weichmann, M.** Zur Operation und Nachbehandlung der akuten Otitis media, insbesondere Indikationsstellung, Zeitpunkt der Operation und Operationsmethode; statistische Studie über die Gesamtheit der in den letzten 4 Jahren an der Erlanger Ohrenklinik beobachteten akuten Otitiden. Arch. Ohr. &c. Heilk., 1928, 119: 1–52.

—— acute: Treatment.

Bail, M. R. Treatment of acute otitis media. Antiseptic Madras, 1938, 35: 951–4.—**Beck, F. L.** Care of the ear in acute otitis media. Colorado M., 1937, 34: 734–6.—**Blackwell, H. B.** The value of dry treatment in acute infections of the ear and mastoid. Laryngoscope, 1933, 43: 390–3.—**Blomroos, T.** [Treatment of acute inflammation of the middle ear] Fin. läk. säll. hand., 1932, 74: 793–825.—**Boies, L. R.** Acute otitis media. Current Ther., Phila., 1949, 375.—**Bolotte, M.** Le traitement des otites moyennes aiguës. Arch. méd. pharm. mil., 1929, 90: 209–29.—**Campbell, A.** Acute otitis media; its treatment with results. Ind. M. Gaz., Calc., 1936, 71: 543–5.—**Chaussé, C.** L'avènement de la radio-clinique otologique aurait-il un retentissement sur la conduite du traitement des otites et des mastoïdites aiguës? J. méd. Paris, 1941, 61: 11–4.—**Clein, N. W.** Pediatric treatment of the acute ear. Northwest M., 1940, 39: 135–7.—**Coakley, L. P.** Some observations in the care of acute otitis media. Nebraska M. J., 1937, 22: 48–52.—**Conde Jahn, F.** Acerca del tratamiento de la otitis media aguda. Rev. med. cir. (Maracay) Caracas, 1935, Feb., 15–20.—**Cowherd, D. H.** The acute ear from an osteopathic standpoint. College J., Kansas City, 1942, 26: 21–3.—**Cunningham, A. T.** Some observations on acute otitis media. Brit. Homoeop. J., 1933, 23: 141–59.—**Dean, L. W.**, jr. Acute otitis media and mastoiditis. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, 3: 3539–42.—**Diggle, F. H.** The treatment of acute otitis media. Practitioner, Lond., 1930, 124: 104–26. Also Med. Press & Circ., Dubl., 1935, 190: 595–8.—**Dokurō, A.** Hihu-byō oyobi kyū-sei tyūzien no tiken [successful treatment of skin disease and acute otitis media] Kanpo & kanyaku, 1942, 9: 506.—**Errecart, P. L.** Tratamiento de la otitis media aguda. Rev. san mil., B. Air., 1937, 36: 77–87.—**Esteban, J.** El problema terapéutico de las otomastoiditis

agudas. Actual. méd., Granada, 1942, **18**: 76–86.—**Fox, S. L.** The management of the acute ear. Laryngoscope, 1946, **56**: 312–9.—**Gaston, A.** A propos du traitement abortif des otites aiguës de l'adulte. Ann. otolar., Par., 1948, **65**: 518–21.—**Gaston, I. E.** Care of acute otitis media. Northwest M., 1930, **29**: 101–4.—**Gotō, S.** Kyū-sei tyūzien no tiryō. Tiryo, 1948, **30**: 294–9.—**Graham, T. O.** The treatment of acute otitis media in acute febrile conditions. Brit. M. J., 1933, **1**: 287–90.—**Hamon, L.** Quelques réflexions sur l'évolution et le traitement de l'otite aiguë. Gaz. méd. France, 1932, 834–6.—**Harpman, J. A.** Treatment of acute otitis media. Med. Press & Circ., Lond., 1945, **214**: 214–6. Also Punjab M. J., 1947, **12**: 25–8.—**Haymann, L.** Grundsätze und Richtlinien für die Behandlung und Beurteilung der akut-entzündlichen Prozesse des Mittelohres. Münch. med. Wschr., 1930, **77**: 942; 984.—**Hays, H.** The management of acute otitis media. Med. J. Australia, 1927, **2**: Suppl., 420–4.—**Heine, L. H.** The treatment of acute otitis media. Nebraska M. J., 1941, **26**: 395–7.—**Hetrick, J. A. W.** The use of posture in the treatment of acute otitis media. J. Ophth. Otol., 1927, **31**: 183–8.—**Hoople, G. D., & Blaisdell, I. H.** The problem of acute catarrhal otitis media. Ann. Otol. Rhinol., 1943, **52**: 359–63.—**Jacobowitz, K.** Zur Therapie der nicht perforierten Otitis media acuta. Med. Welt, 1934, **8**: 1587.—**Jauerneck, A.** Die Behandlung der akuten Mittelohreiterung durch den praktischen Arzt. Zschr. ärztl. Fortbild., 1939, **36**: 44–7.—**Jones, S.** The management of acute middle ear infection. Proc. Aesculap. Soc. Wabash Valley, 1923, **7**: 68–80.—**Jory, N. A.** Treatment of acute otitis media. Med. Press & Circ., Lond., 1941, **205**: 294–7. Also Mod. Treat. Yearb., Lond., 1942, **8**: 154–9. Also Punjab M. J., 1942, **7**: 217–22.—**Juers, A. L.** Management of acute middle ear infection. Kentucky M. J., 1942, **40**: 190–3.—**Kindler, W.** Die akute Mittelohrentzündung und ihre Behandlung: welche Formen sind als für die Praxis wichtig zu unterscheiden und wie sind sie zu erkennen? Münch. med. Wschr., 1928, **75**: 316–8.—**Kobrak, F.** Leitende Gesichtspunkte in der Behandlung der akuten Mittelohrentzündung. Zschr. ärztl. Fortbild., 1926, **23**: 45–50.—**Lapointe, J.** Traitement de l'otite moyenne aiguë. Union méd. Canada, 1942, **71**: 952; 1943, **72**: 72.—**Layton, T. B., Woodman, M. [et al.]** Causes of failure in treatment of otitis media. Brit. M. J., 1940, **2**: 877. Also Proc. R. Soc. M., Lond., 1940–41, **34**: 225–32. Also J. Lar. Otol., Lond., 1941, **56**: 15–28.—**Leibovich, B. M.** [Practical experience of the ambulatory otiatrist in treatment of acute inflammation of the middle ear] Vest. otorinolar., 1941, No. 5, 57.—**MacAdam, E. W.** Postural treatment of otitis media acuta. J. Am. Inst. Homeop., 1925, **18**: 1063–5.—**McInnis, M. J.** Nursing care in acute otitis media. Canad. Nurse, 1942, **38**: 169.—**Mennitti-Ippolito, R.** Terapia della otite acuta. Rinasc. med., 1935, **13**: 26–9.—**Moulonguet, A.** Traitement et surveillance des otites moyennes aiguës. Sem. hôp. Paris, 1936, **12**: 169–74.—**Neumann, H.** Woran erkennt und wie behandelt man die verschiedenen Formen und Komplikationen der akuten Otitis? In: Wien. med. Seminar, Wien, 1927, 350–2.—**Obermüller.** Die Behandlung der akuten Mittelohrentzündung in physikochemischer Betrachtung. Arch. Ohr. &c. Heilk., 1931, **128**: 263–71.—**O'Malley, J. F.** Importance of early treatment of acute otitis. Brit. M. J., 1924, **2**: 1193–5. Also Eye Ear &c. Month., 1925–26, **4**: 213–5.—**Oppikofer, E.** Die Behandlung der akuten Otitis durch den praktischen Arzt. Schweiz. med. Wschr., 1928, **58**: 686–8.—**O'Shea, H. V.** Modern treatment of acute otitis media. Med. Press, Lond., 1947, **218**: 79–82. Also Mod. Treatm. Yearb., Lond., 1948, 181–8, pl.—**Owen, F. S.** Treatment of acute otitis media by the general practitioner. Proc. Nebraska M. Soc., 1901, **33**: 159–70.—**Pompe, J.** Otitis media acuta i njegova terapija. Med. glasn., 1949, **3**: 102–7.—**Rao, U. D. G.** The treatment of acute otitis media. J. Ind. M. Ass., 1932–33, **2**: 147–9.—**Rauch, M.** Der Einfluss intraglutealer Proteinkörperzufuhr auf den Verlauf akuter Mittelohrentzündungen. In: Urbantschitsch Festschrift, Wien, 1919, 537–76.—**Reid, W. O.** Treatment of acute otitis media by decongestion. Brit. M. J., 1946, **1**: 648.—**Richter, H.** Die akute Mittelohrentzündung; eine Darstellung für den Dienst am Kranken. Hals &c. Arzt, Teil 2, 1937, **44**: 1; 97.—**Rigg, J. P.** Rational therapy in acute otitis media. Arch. Otolar., Chic., 1945, **41**: 137–9.—**Roy, D.** Some observations on the management of acute inflammation of the middle ear in adults. Med. Times, N. Y., 1929, **57**: 105.—**Singleton, J. D.** Acute otitis media; its management by the general practitioner and pediatrician. J. Oklahoma M. Ass., 1946, **39**: 325–8.—**Torviso, R. E.** Tratamiento de las otitis agudas. Sem. méd., B. Air., 1935, **42**: pt 2, 1240–3.—**Uffenorde, W.** Praktische Therapie der akuten Mittelohrentzündung. Deut. med. Wschr., 1928, **54**: 643; 699.—**Whale, H. L.** The treatment of acute otitis media. Lancet, Lond., 1924, **2**: 1032.—**Woodman, M.** Causes of failures in the treatment of acute otitis media. Ibid., 1940, **2**: 746.—**Woods, R. H.** Hospital management of acute otitis media. J. Am. Osteopath. Ass., 1948–49, **48**: 484.

—— acute: Treatment: Antibiotics.

Ball, S. Penicillin in acute otitis media and mastoiditis; a report of cases. Arch. Otolar., Chic., 1945, **41**: 109–12.—**Bateman, G. H.** The place of chemotherapy and penicillin in the treatment of acute otitis media. Irish J. M. Sc., 1947, 457–64.—**Belfort, F.** Nova técnica de tratamento de otites médias agudas por meio de antibióticos. Med. cir. farm., Rio, 1950, 96–8.—**Black, J. I. M.** Acute mastoiditis in children treated by penicillin. Med. World, Lond., 1948–49, **69**: 425–7.—**Christierson, S. v.** The use of penicillin in acute otitis media and its complications. Tr. Am. Lar. Rhin. Otol. Soc., 1945, 237–47.—**Grebelius, N., & Sjöberg, A.** Erfarenheter av penicillinbehandling vid akut otit. Sven. läk. tidn., 1949, **46**: 581–94. Also J. Lar. Otol., Lond., 1949, **63**: 286–98.—**Kidokoro, S.** Kyū-sei tyūzi-en ni tai-suru penicillin ryōhō ni tuite [penicillin therapy] Rinsyo, 1949, **2**: 293–5.—**Layton, T. B., Collins, E. G.** [et al.] Discussion on penicillin treatment in acute otitis media. J. Lar. Otol., Lond., 1948, **62**: 608–12.—**Lundgren, N.** Penicillinterapi vid akuta otiter. Nord. med., 1949, **42**: 1401–3.—**Riskaer, N.** Penicillin treatment of simple acute otitis media. Acta otolar., Stockh., 1949, **37**: 230–8. ——— **& Ipsen, J.** Penicillin instillation in acute otitis media. Ibid., 1948, **36**: 377–87.—**Sobieski, E.** Essai de pénicillinothérapie locale dans les otites aiguës. Ann. otolar., Par., 1948, **65**: 340–2. ——— Pénicillinothérapie locale des otites moyennes aiguës. Concours méd., 1949, **71**: 1193.—**Strandberg, O.** Lokal penicillinbehandling ved otitis media acuta. Nord. med., 1946, **31**: 1830.—**Takahara, K., Amagasaki, M.** [et al.] Tyūzien oyobi sono gappei-syō ni tai-suru penicillin ryōhō no syō-ken. Zibiinkoka, 1949, **21**: 60–3.—**Thumim, M.** Aureomycin in penicillin-resistant acute otitis media. Laryngoscope, 1949, **59**: 1133.—**Weiss, J. A.** Transtubal instillation of penicillin in acute otitis media. Arch. Otolar., Chic., 1946, **43**: 17.—**Wilcox, J. G.** Penicillin treatment of acute middle ear and mastoid infections. Pennsylvania M. J., 1946–47, **50**: 574–7.—**Wilson, C. P.** Report on 110 cases of acute infection of the ear treated with penicillin. Proc. R. Soc. M., Lond., 1945–46, **39**: 812–6. Also J. Lar. Otol., Lond., 1946, **61**: 404–10. Also Ann. otolar., Par., 1948, **65**: 708.—**Yambao, C. V., & Bongco, F.** Penicillin in acute mastoiditis with report of three cases recovered. J. Philippine M. Ass., 1948, **24**: 119–22.

—— acute: Treatment: Chemotherapy.

Hamberger, C. A. *Ueber die Behandlung der Otitis media acuta und gewisser otogener Komplikationen mit Sulfanilamidderivaten [Karolinska inst.] 160p. 23½cm. Stockh., 1942.
Also forms Suppl. 46, Acta otolar., Stockh.

Le Roy, P. G. *La sulfamidothérapie des otites moyennes aiguës. 32p. 23cm. Par., 1944.

Aynesworth, H. T. Sulfonamides in acute otitis media and mastoiditis. Med. Rec., Houston, 1943, **37**: 606–11.—**Babcock, J. W.** The role of sulfanilamide in acute otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1940, **46**: 390–3. Also Arch. Otolar., Chic., 1940, **32**: 246–9.—**Baker, D. C.,** jr, & **Bradford, G. E.** Sulfanilamide therapy for acute otitis media and acute mastoiditis. Ibid., 1939, **29**: 334–44.—**Becker-Christensen, P.** [Sulfamethylthiazol content in the organism in treatment of acute inflammation of the middle ear] Ugeskr. laeger, 1941, **103**: 867–74.—**Brovelli, A.** Considerazioni cliniche sul trattamento delle otoantriti acute con sulfamidici associati a vaccini antipiogeni polivalenti. Arch. ital. otol., 1941, **53**: 265–90, 3 tab.—**Chaussé, C.** La conduite du traitement des otites aiguës et la sulfamidothérapie. Rev. laryng., Bord., 1942, **63**: 201–16. ——— Faut-il sulfamider les otites aiguës? J. méd. Paris, 1946, **66**: 37–9.—**Chemotherapy** in acute otitis media. Brit. M. J., 1941, **2**: 20.—**Colledge, L.** Chemotherapy in acute otitis media. Brit. M. J., 1941, **1**: 455.—**Diamant, M.** Sulfabehandling vid akut otit hos barn. Sven. läk. tidn., 1948, **45**: 1617–8.—**Duggan, J. H. T.** Chemotherapy in acute ear disease. Irish J. M. Sc., 1940, ser. 6, No. 174, 261; No. 175, 302.—**Farquharson, I. M.** The masking effect of sulphonamide when used in the treatment of acute otitis media. J. Lar. Otol., Lond., 1945, **60**: 269–78.—**Ganz, R. N., Lyons, C., & Ferguson, C. F.** Chemotherapy and serotherapy of acute otitis media. Ann. Otol. Rhinol., 1941, **50**: 1185–8.—**Gotō, S.** Kyū-sei tyūzien ni tai-suru kagaku-ryōhō-zai no tekiō to sono genkai [Suitability of drugs used in chemotherapy ...] Rinsyo, 1949, **2**: 94–7.—**Hebble, H. M.** Sulfanilamide in treatment of acute infection of the ear and of the mastoid in infants and in children; quantitative study of 17 cases. Arch. Otolar., Chic., 1940, **31**: 808–18.—**Hétroy, M.** Les sulfamides dans les otites aiguës et subaiguës. Concours méd., 1946, **68**: 505.—**Hild, A. M.** Die Cibazoltherapie der akuten Mittelohrentzündung. Schweiz. med. Wschr., 1942, **72**: 1410–4.—**Horan, V. G., & French, S. G.** Prevention of mastoiditis; survey of 621 cases of acute otitis media treated with sulphanilamide. Lancet, Lond., 1940, **1**: 680–2.—**Houser, K. M.** A survey of the use of sulfanilamide in acute otitis media. Tr. Am. Otol. Soc., 1939, **29**: 336–47. Also Laryngoscope, 1939, **49**: 825–32. Also Arch. Otolar., Chic., 1940, **31**: 224.—**Mørch, P., & Theilgaard, E.** Kombineret sulfathiazol- og lucosilbehandling af acut otitis media. Nord. med., 1944, **24**: 1979–82.—**Monteiro, A.** Sulfas e penicilina no tratamento das otites médias agudas e suas complicações; estudo comparativo. Hospital, Rio, 1949, **36**: 23–53.—**Piquet, J.** La sulfamidothérapie dans les otites aiguës d'après les publications des auteurs nordiques. Ann. otolar., Par., 1946, **63**: 344–7.—**Ramadier, J. A.** Une série de déboires avec la sulfamido-pénicillinothérapie dans le traitement des otites aiguës. Ibid., 1947, **64**: 487–93. Also Sem. hôp., Par., 1947, **23**: Supp., 2579–83.—**Reading, P.** The use of chemotherapy and penicillin in acute infections, with particular reference to the ear. Nurs. Times, Lond., 1946, **42**:

309.—**Rodel, A.** Zur Behandlung der akuten Mittelohrentzündungen mit Sulfonamiden. Pract. otorhinolar., Basel, 1946, **8**: 499–504.—**Rottbøll Hansen, B.** [Treatment of acute inflammation of the middle ear with M & B 693] Ugeskr. laeger, 1940, **102**: 1087–91.—**Scal, J. C.** Evaluation of sulfanilamide therapy in acute otitis media and mastoiditis. N. York State J. M., 1939, **39**: 1790–4.—**Schwartz, H. W.** The sulfonamides and acute ear infections. Canad. M. Ass. J., 1944, **51**: 245–8. Also Nova Scotia M. Bull., 1944, **23**: 246–51.—**Selander, P., & Kronkvist, B.** Sulfabehandling vid akut otit hos barn. Sven. läk. tidn., 1948, **45**: 1471–7.—**Taillens, J. P.** L'état actuel du traitement des otites moyennes aiguës par les sulfamidés. Praxis, Bern, 1945, **34**: 233. Also Rev. méd. Suisse rom., 1945, **65**: 381–4. Also Schweiz. med. Wschr., 1945, **75**: 466–71.—**Tobey, H. G.** The sulfonamide drugs in the treatment of acute otitis media. Ann. Otol. Rhinol., 1942, **51**: 945–54.—**Volkmar, E.** Soll man bei der akuten Otitis media Sulfonamide verordnen? Med. Klin., Münch., 1948, **43**: 390.—**Williams, H. L., Brown, A. E.** [et al.] Sulfonamide therapy for acute otitis media and mastoiditis. Ann. Otol. Rhinol., 1941, **50**: 336–48.—**Woodward, F. D.** Sulfanilamide and Roentgen ray therapy for acute otitis media and mastoiditis. Tr. Am. Otol. Soc., 1939, **29**: 237–45. Also Laryngoscope, 1939, **49**: 572–9. Also Arch. Otolar., Chic., 1940, **31**: 219.

—— acute: Treatment, local.

Alföldy, J. [Value of ear-drops in acute otitis media] Budapesti orv. ujs., 1940, **38**: 171–3.—**Ersner, M. S., & Saltzman, M.** Ear drops in acute otitis media; an evaluation of various medicaments and an analysis of the untoward effects of antipyrine and benzopyrine. Ann. Otol. Rhinol., 1942, **51**: 471–5.—**Gantier, K.** Ohrtropfenbehandlung bei akuter Mittelohrentzündung. Deut. med. Wschr., 1938, **64**: 641.—**Haardt, W.** Ueber die Behandlung der akuten Mittelohrentzündung mit Detoxin-Puder. Arch. Ohr. &c. Heilk., 1938, **145**: 231–6.—**Layton, T. B.** Acute otitis media with discharge: ear mopping. Nurs. Times, Lond., 1950, **46**: 261–3.—**Lins e Silva, M.** Terebenthinotherapia na otite média aguda. Fol. med., Rio, 1936, **17**: 556.—**Mahu, G.** Application de la méthode de Carrel au traitement des mastoïdites aiguës. Otorhinolar. internat., Lyon, 1918, 6. année, 705–19.—**Shapiro, D.** Irrigation of the ear in acute otitis media; is there risk of spreading the infection to the mastoid cells? Arch. Otolar., Chic., 1933, **17**: 384.

—— acute: Treatment: Radiotherapy.

Barajas y de Vilches, J. M. Las irradiaciones infrarrojas en el tratamiento de la otitis media aguda. Siglo méd., 1929, **83**: 154–7.—**Dowdy, A. H., Heatly, C. A., & Pierce, W. W.** The evaluation of roentgen irradiation as an adjunct in the treatment of acute otitis media. Radiology, 1939, **32**: 661–8.—**Goldmann, R.** Die Behandlung der akuten Entzündung der Mittelohrräume mit Röntgenstrahlen. Zschr. Laryng., 1929–30, **19**: 53–63.—**Menck-Thygesen, P.** Behandlung von Otitis media acuta mit Röntgenbestrahlung. Pract. otorhinolar., Basel, 1939, **2**: 105–13. ——— Fortgesetzte Untersuchungen über den Wert der Röntgenbehandlung akuter Otitis media. Acta otolar., Helsin., 1944, Suppl. 51, 283–6.

—— acute—in children.

See also other subdivisions (infantile; suppurative, acute)

Hecht, A. F. Die akute Mittelohrentzündung als Kinderkrankheit. 126p. 8° Wien, 1928.

Alvarez González, D. Otitis medias agudas de los niños. Med. niños, 1927, **28**: 115–24.—**Braun, L. L., & Bigler, J. A.** Sulfanilamide in the treatment of acute otitis media in children. Am. J. Dis. Child., 1941, **62**: 521–9.—**Childs, H. C.** Acute otitis media in children. J. Oklahoma M. Ass., 1936, **29**: 387.—**Dean, L. W.** Acute otitis in infants; its influence on certain systemic conditions and the influence of these conditions on the method of treating the coexisting acute otitis. Arch. Otolar., Chic., 1927, **6**: 201–12.—**Emswiler, H. D.** Acute ear infections in children. Proc. Postcollcg. Clin. Assemb. Coll. M. Ohio Univ., 1939, **6**: 277–9.—**Ersner, M. S., & Shapin, S.** Factors delaying recovery from acute otitis media in children. Med. J. & Rec., 1932, **135**: 281–3.—**Greene, J. B.** Acute otitis media in children. Tr. M. Soc. N. Carolina, 1923, **70**: 395–401.—**Hershberger, J. W.** The treatment of acute otitis media in children. Pennsylvania M. J., 1941–42, **45**: 355–7.—**Krassnig, M.** Die akuten Mittelohrentzündungen im Kleinkindesalter. Arch. Ohr. &c. Heilk., 1928, **118**: 285–302.—**Le Mée, Zha & Butzbach.** Les résultats obtenus par l'emploi du propidon comme traitement adjuvant dans 29 cas d'otite aiguë de l'enfant. Ann. otolar., Par., 1939, 698–700.—**Mackenzie, G. W.** Acute inflammation of the middle ear in children. J. Ophth. Otol., 1928, **32**: 1–8.—**Matison, E. A.** Acute middle ear infections in children. Med. J. Australia, 1926, **2**: 615–7.—**Middleton, L. J.** Some notes on the treatment of otitis media and acute-mastoiditis in children. Ibid., 1928, **1**: 744–7. ——— Treatment of otitis media and acute mastoiditis in children. Eye Ear &c. Month., 1933, **12**: 426–9.—**Monti, P. C.** L'otite media acuta infantile. Prat. pediat., Milano, 1935, **13**: 21–8.—**Neumann, H.** Ueber die akute Otitis im Kindesalter. Wien. med. Wschr., 1935, **85**: 865–8.—**Pierce, M. M.** Acute otitis media in childhood. Manitoba M. Rev., 1947, **27**: 283–6.—**Shefferd, J. M.** Acute otitis media in children. Med. Woman J., 1925, **32**: 317–9.—**Strachan, J. G.** Acute otitis media in children. Bull. Acad. M., Toronto, 1936, **9**: 197–200.—**Sykes, E. M.** Acute middle ear infections in children. Texas J. M., 1924–25, **20**: 394–7.—**Uffenorde, W.** Die Behandlung der akuten Mittelohrentzündung im Kindesalter. Fortsch. Ther., 1931, **7**: 429–36. Also Ther. Gegenwart, 1938, **79**: 481–7. ——— Die akute Mittelohrentzündung im Kindesalter. Deut. med. Wschr., 1932, **58**: 14; 135.—**Van Poole, G. M.** Acute otitis in children. Laryngoscope, 1930, **40**: 655–9.—**Williams, H. J.** Acute otitis media and mastoiditis in children. Pennsylvania M. J., 1940–41, **44**: 590–2.

—— adhesive.

See also subheading (dry)

Hamberger, C. A. Fönsteroperation vid kronisk adhaesivotit. Nord. med., 1948, **38**: 1256–9.—**Mathé, K.** Gehörverbessernde Eingriffe bei Verwachsungen im Mittelohr nach chronischer Mittelohreiterung. Zschr. Laryng., 1929–30, **19**: 424–6.—**Shilov, K.** [Adhesive otitis as contraindication for aviation candidates] Voen. san. delo, 1936, 34–7.—**Tarasov, V. V., & Shilov, K. N.** [Baroscopic function of the ear in cicatricial changes of the tympanum] Vest. otorinolar., 1939, No. 3, 46–9.

—— Aero-otitis.

See also **Aviator,** Ear and equilibrium; **Eustachian tube,** Disease; **Middle ear,** Aviation aspect; also **Caisson workers.**

Campbell, P. A. Measurement of Eustachian tube resistance in individuals not subject to aero-otitis media. 6 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 6, U. S. Air Force School Aviat. M.

Great Britain. Flying Personnel Research Committee. FPRC 608: Head measurements in cases of recurrent otitic barotrauma. 4 l. 18½cm. Lond., 1945.

Ogden, F. W. Tubal resistance and aero-otitis media. 5 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 268, U. S. Air Force School Aviat. M.

United States. Air Force. Aero Medical Laboratory [Wright Field, Ohio] Memorandum report No. ENG-49-698-11: Aero-otitis media in high altitude chamber flights. 9p. 27cm. Dayton, 1943.

Accorrinti, V. Lieve disturbo funzionale uditivo aggravato intensamente, dopo un periodo di volo, in un giovane pilota, affetto. da modico catarro cronico nella cassa timpanica. Arch. antrop. crim., Tor., 1928, **48**: 264–7.—**Acute** otitic barotrauma. Gr. Britain Flying Pers. Res. Com., 1940–45, 12.—**Aero-otitis** media. Eye Ear &c. Month., 1945, **24**: 530.—**Aldao, C. N. G.** Barotrauma; trastornos dependientes de las cavidades neumáticas craneofaciales provocadas por el aire comprimido. Rev. pub. nav., B. Air., 1949, **2**: 63–86.—**Armstrong, H. G., & Heim, J. W.** The effect of flight on the middle ear. In: Outline Otolar. (Hargreaves, J. M., ed.) Randolph Field, 1939, 21–31.—**Aschan, G.** Ciliefunktionen vid barotrauma. Nord. med., 1946, **30**: 789.—**Barnes, H. A.** Aero-salpingotympanitis with delayed vestibular symptoms; report of a case. U. S Nav. M. Bull., 1945, **44**: 830–2.—**Barotrauma.** R. Nav. M. Bull., 1946, No. 22, 53–7.—**Barrios Ortiz, R.** Barotrauma ótico. Rev. otorrinolar. (Chile) 1948, **8**: 41–66.—**Bergin, K. G.** Otitic barotrauma. In his Aviat. Med., Bristol, 1949, 221–34, illust., 2 pl.—**Boyer, N.** Aero-otitis media. J. Bowman Gray School M., 1945, **3**: 196–8.—**Campbell, P. A.** The present status of the problem of aviation deafness. Tr. Am. Acad. Ophth. Otolar., 1944–45, **49**: 72–4.—**Causse, R., & Falconnet, P.** La sordera profesional del aviador (transl.) Rev. san. aeronáut., B. Air., 1948, **1**: 145–58.—**Chebotarev, A. I.** [Concerning the clinics and therapy of barotraumatic otitis] Vest. otorinolar., 1945, 8–11.—**Cheetham, R. W. S.** Otitic barotrauma. S. Afr. M. Congr., 1948, 36. Congr., 80.—**Chester, L., & Drooker, J. C.** Aero-otitis media and aero-sinusitis. Laryngoscope, 1943, **53**: 203–9.—**Dickson, E. D. D., McGibbon, J. E. G.** [et al.] An investigation into the incidence of acute otitic barotrauma as a disability amongst 1,000 aircrew cadets during a decompression test. J. Lar. Otol., Lond., 1944, **59**: 267–95.—**Gaulejac, R. de.** Les otites moyennes des aviateurs. Ann. otolar., Par., 1938, 588–95.—**Harvey, W.** Investigation and survey of malocclusion and ear symptoms, with particular reference to otitic barotrauma; pain in ears due to change in altitude. Brit. Dent. J., 1948, **85**: 219; 249.—**Larkin, J. C.** Aero-otitis media; a roentgenologic study. Am. J. Roentg., 1944, **51**: 178–85.—**Lentine, J.** A review of 100 cases of acute aero-otitis. Arch. Otolar., Chic., 1946, **43**: 293–7.—**McGibbon, J. E. G.** Aviation pressure deafness. Proc. R. Soc. M., Lond., 1941–42, **35**: 251–7. ——— The nature of the valvular

action, passive opening, of the Eustachian tube in relation to changes of atmospheric pressure and to aviation pressure deafness. J. Lar. Otol., Lond., 1942, 57: 344–50, 2 pl.—**Matthews, R. M. S.** Eustachian obstruction and otitic barotrauma in air-crews of heavy bombers. Brit. M. J., 1944, 2: 523–5.—**Pennington, G. W.** Observations on chronic aero-otitis media. Air Surgeon Bull., 1945, 2: 269.—**Pothoven, W. J.** Vliegtuiglawaai als oorzaak van vliegerdoofheid. Ned. tschr. geneesk., 1949, 93: 2403–8.—**Rafferty, J. A.** Barotitis media, hypoxia, airsickness and bends in the U. S. Eighth Air Force during World War II. J. Aviat. M., 1949, 20: 356–9.—**Requarth, W. H.** Aero-otitis media in compressed air workers; treatment with helium-oxygen mixtures. J. Am. M. Ass., 1941, 116: 1766–9.—**Senturia, B. H.** Hearing changes during pilot training. Mil. Surgeon, 1949, 105: 205–8.—**Shilling, C. W., & Haines, H. L.** Aerotitis media; a brief presentation of its symptomatology, prevention and treatment. J. Aviat. M., 1947, 18: 48–55.—**Stewart, C. B., Warwick, O. H., & Bateman, G. L.** Acute otitic barotrauma resulting from low-pressure chamber tests. Ibid., 1945, 16: 385–408.—**Valderrama Herrera, M.** Un caso de aero-otitis media; problema de interés para el cirujano dentista. ADM, Méx., 1948, 5: 168–74.—**Weersma, P.** Barotrauma. Ned. tschr. geneesk., 1947, 91: 1598–1601.—**Weymuller, E. A., & Magnuson, P. L.** Report of 52 cases of recurrent aerotitis, First Air Force, Mitchel Field, New York. Ann. Otol. Rhinol., 1945, 54: 684.—**Wright, R. W.** Aero-otitis media; a further report of purulent otitis media complicating aero-otitis media. Ibid., 499–512.—**Zivanović, V.** Aero-otitis. Voj. san. pregl., 1947, 4: 255–60.

—— Aero-otitis, experimental.

Aschan, G. K. Aero-otitis media and aero-sinusitis; experimental histo-pathological changes due to oxygen deficiency and oxygen poisoning. 93p. 24cm. Uppsala, 1948.

Forms Suppl. 69, Acta otolar., Stockh.

McGibbon, J. E. G., & Campbell, A. C. P. Summary of a report on clinical finds observed in cases of acute otitic barotrauma and their relationship to the changes produced experimentally in cats by alteration of atmospheric pressure. 7 l. 32½cm. Lond., 1943.

Forms F. P. R. C. No. 557, Gr. Brit. Flying Pers. Res. Com.

Ogden, F. W. A study of altitude chamber aero-otitis media. 6 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 147, U. S. Air Force School Aviat. M.

—— Continuous pressure politzerization in the prevention of altitude chamber aero-otitis media. 5p. 28cm. Wash., 1943.

Forms Rep. No. 211, Com. Aviat. M. U. S. Nat. Res. Counc. Also forms Rep. No. 1, Proj. No. 177, U. S. Air Force School Aviat. M.

—— A study of the effects of vasoconstrictor solutions on altitude chamber aero-otitis media. 7p. 28cm. Wash., 1943.

Forms Rep. No. 170, Com. Aviat. M. U. S. Nat. Res. Counc. Also forms Rep. No. 1, Proj. No. 159, U. S. Air Force School Aviat. M.

Dickson, E. D. D., McGibbon, J. E. G. [et al.] An investigation into the incidence of acute otitic barotrauma as a disability amongst 1,000 aircrew cadets during a decompression test. J. Lar. Otol., Lond., 1944, 59: 267–95. —— & **Campbell, A. C. P.** Acute otitic barotrauma; clinical findings, mechanism and relationship to the pathological changes produced experimentally in the middle ears of cats by variations of pressure. Ibid., 1943, 58: 465–88, 16 pl.—**Lieberman, A. T.** Aero-otitis media in pressure chamber flights. Arch. Otolar., Chic., 1946, 43: 500–7.—**Riecker, O. E.** Tierexperimentelle Untersuchung über Veränderungen der Funktion und Struktur des Gehörorgans nach Unterdruckwirkung. Arch. Ohr. &c. Heilk., 1944, 154: 390–420.

—— Aero-otitis: Prevention and treatment.

Ogden, F. W. Modified politzerization in treatment of aero-otitis media. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 173, U. S. Air Force School Aviat. M.

Bell, J. J. Aero-otitis, treated with thermotherapy. Air Surgeon Bull., 1944, 1: No. 6, 10.—**Bowen, W. J.** Delayed acute aero-otitis media and methods of prevention. U. S. Nav. M. Bull., 1945, 44: 247–52.—**Chebotarev, A. J.** K voprosu kliniki i terapii barotravmaticheskikh otitov. Vest. otorinolar., 1945, 7: 8–11.—**Collins, B. E., Eschenbrenner, J. W.,** jr, & **Lyle, P. L.** Aerotitis and radium therapy in the Eighth Air Force. Ann. Otol. Rhinol., 1945, 54: 694–707.—**Dickson, E. D. D., & McGibbon, J. E. G.** The treatment of recurrent otitic barotrauma by irradiation with special reference to lymphoid tissue in the sub-mucosa of the Eustachian tube. J. Lar. Otol., Lond., 1949, 63: 647–71, 12 pl.—**Fowler, E. P.,** jr. Radon treatment for otitis due to barotrauma. Ibid., 1943, 58: 489–92. —— Use of radon to prevent otitis media due to hyperplasia of lymphoid tissue and barotrauma (aero-otitis) Arch. Otolar., Chic., 1944, 40: 402–5. —— Irradiation of the Eustachian tube; an anatomic, physical and clinical study of a treatment for recurrent otitis media applied to aero-otitis. Ibid., 1946, 43: 1–11.—**Grauber, J. J., Smith, J. W., & Earl, D. H.** Report of the Third Air Force Irradiation Unit, 31 August 1945. Ann. Otol. Rhinol., 1945, 54: 686–93.—**Hall, J. F.,** jr. The use of helium-oxygen mixtures in aviation for the prevention of painful ear symptoms. J. Aviat. M., 1940, 11: 81–6.—**Hendricks, J. E., & Lieberman, A. T.** Activities of the irradiation clinic at Westover Field, Massachusetts. Ann. Otol. Rhinol., 1945, 54: 662–83.—**Kelly, W. J., & Langheinz, H. W.** Dental treatment for the prevention of aerotitis media. Ibid., 1946, 55: 13–28. —— A rapid dental treatment for the prevention of aerotitis media. Dent. Digest, 1946, 52: 310–4.—**Lamport, H.** Maneuver for the relief of acute aero-otitis media. J. Aviat. M., 1941, 12: 163–8.—**Leucutia, T.** Aerotitis and its prevention by the use of radium. Am. J. Roentg., 1946, 55: 483–7.—**Lovelace, W. R., Mayo, C. W., & Boothby, W. M.** Aero-otitis media; its alleviation or prevention by the inhalation of helium and oxygen. Proc. Mayo Clin., 1939, 14: 91–6.—**MacGregor, J. B., Fronek, G. J., & Doyle, F. G.** Prevention of aero-otitis media; use of differential pressure at simulated high altitudes in low pressure chamber. U. S. Nav. M. Bull., 1943, 41: 1744.—**Mikell, J. S.** The use of radium in the aerotitis control program in the Twelfth Air Force. Ann. Otol. Rhinol., 1945, 54: 708–15.—**Morris, F. O.** The relation of deep roentgen therapy to aero-otitis. Air Surgeon Bull., 1945, 2: 266–8. Also California M., 1947, 67: 100–2.—**Northington, P.** Radium therapy in aerotitis media. U. S. Nav. M. Bull., 1946, 46: 1559–67.—**Ogden, F. W.** Politzerization; a simple and effective method in treatment of aero-otitis media. Air Surgeon Bull., 1944, 1: No. 4, 18–20.—**Shilling, C. W., Haines, H. L.** [et al.] The prevention and treatment of aerotitis media. U. S. Nav. M. Bull., 1946, 46: 1529–58.—**Smedal, H. A., Bierman, H. R., & Lilienthal, J. L.,** jr. The treatment of aero-otitis media by rede-compression. J. Aviat. M., 1943, 14: 211–5.—**Spiegel, F. S.** Aero-otitis, treated by inflation with helium. Air Surgeon Bull., 1944, 1: No. 6, 9.—**Sternstein, H. J.** Nasal resistance inhaler; a new method for the prevention and treatment of aerotitis media and aerosinusitis; preliminary report. J. Aviat. M., 1947, 18: 266–78.—**Thorne, I. J.** The administration of helium and oxygen mixtures in the treatment of disabling ear symptoms caused by changes in atmospheric pressure. U. S. Nav. M. Bull., 1943, 41: 378–85.—**Tomb, J. W.** Amyl-nitrite in the treatment of acute aero-otitis media. Med. J. Australia, 1942, 2: 109.—**Trapasso, T. J.** Aerotitis program in the Fifteenth Air Force. Ann. Otol. Rhinol., 1945, 54: 716–21.—**Trowbridge, B. C.** A new treatment of acute aero-otitis media. Arch. Otolar., Chic., 1949, 50: 255–63.—**Use** (The) of radium in the aerotitis control program of the Army Air Forces. Ann. Otol. Rhinol., 1945, 54: 650–60.—**Wiseheart, R. H.** A new method for treatment of acute aero-otitis media. Ibid., 1943, 52: 581–8.

—— Aero-otitis—in submariners.

See also **Submarine.**

Haines, H. L., & Harris, J. D. Aerotitis media in submariners. 73 l. 27cm. N. Lond., 1946.

Forms Rep. No. 1, Proj. X–434, U. S. Nav. M. Res. Laborat. Also Ann. Otol. Rhinol., 1946, 55: 347–71.

Diver's ear; otitic barotrauma. R. Nav. M. Bull., 1943, No. 5, 13.—**Shilling, C. W.** Aero-otitis media and loss of auditory acuity in submarine escape training. Arch. Otolar., 1945, 42: 169–72.

—— agranulocytotic.

See also **Agranulocytosis.**

Oppikofer, E. K. Ueber Otitis und Rhinitis necroticans agranulocytotica. Zschr. Hals &c. Heilk., 1941–43, 48: 495–502.

—— Allergy.

See also **Middle ear,** Allergy.

Koch, H. Allergical investigations of chronic otitis. 201p. 24cm. Lund, 1947.

Forms Suppl. 62, Acta otolar., Stockh.

Gonda, K. Allergy-sci tyūzi-en rei. Zibiinkoka rinsyo, 1943, 38: 549.—**Hiller, B.** Allergic otitis media and mastoiditis. Med. J. Australia, 1945, 1: 549–51.—**Koch, H.** Experimentell allergisk otit. Nord. med., 1947, 36: 2116–8.—**Lewis, E. R.** Otitis media and allergy. Tr. Am. Lar. Rhin. Otol. Soc., 1929, 35: 427–30. Also Ann. Otol. Rhinol., 1929, 38: 185–8.

—— Associated diseases.

See also such diseases as **Diabetes mellitus; Malaria; Syphilis; Tuberculosis.**

Barth, H. Otitis media acuta und Diabetes. Klin. Wschr., 1937, **16:** 198–201.—**Cisneros, J.** Mastoiditis de Bezold en un diabético; áticoantrectomía-decorticación de la apófisis; curación. Bol. lar. otol., Madr., 1904, **4:** 245–9.—**Huizinga, E.** Ueber einen Fall von akuter Otitis bei Diabetes mit merkwürdiger Trommelfellperforation. Arch. Ohr. &c. Heilk., 1931, **128:** 247–54.—**Humayer, K.** Cukorbajos beteg középfülgyulladása és csecsnyulványnak sequestráldása. Orv. hetil., 1942, **86:** 199.—**Jɹroš, Z.** [Otitis media and tuberculous meningitis] Cas. lék. česk., 1938, **77:** 761–70.—**Majer, E. H.** Otitis bei Diabetes. Mschr. Ohrenh., Wien, 1939, **73:** 305–18.—**Mündnich, K.** Akute Mittelohrentzündung und Malaria. Arch. Ohr. &c. Heilk., 1936, **141:** 358–62.—**Paula Pinto Hartung, F. de.** Otite media e suas complicações no diabético. Rev. brasil. otorinolar., 1943, **11:** 5–16.—**Rehoř, V.** [Otitis media complicated by diabetes] Cas. lék. česk., 1935, **74:** 1236–8.—**Veselý, J.** Acute otitis media and syphilitic basal meningitis. J. Lar. Otol., Lond., 1934, **49:** 590–2.

—— Bacteriology.

See also subdivisions (Clostridium; Colon bacillus; Corynebacterium; Diphtheria bacillus; Diplococcus; Enterococcus; Funduliformis; Fusiformis; Gonococcus; influenzal; Micrococcus; Mucosus type; Pasteurella; Pneumococcus; Pseudomonas; Salmonella; scarlatinal; Streptococcus)

Bonnahon, J. *Contribution à l'étude bactériologique des suppurations auriculaires à microbes pyogènes aérobies. 80p. 8°. Par., 1930.

Folt, C. *Ueber die Bedeutung der bakteriologischen Untersuchung des Ohrsekretes bei akuten und chronischen Mittelohreiterungen für die Prognose und Therapie dieser Etnzündungen. 71p. 22½cm. Bonn, 1937.

Glenk, H. *Ueber die bakteriellen Erreger der akuten Mittelohrentzündung [Erlangung] 31p. 8°. Nürnberg-Zirndorf, 1936.

Vaheri, E. *Bakteriologisch-klinische Untersuchungen über operativ behandelte Komplikationen der akuten Mittelohrentzündung. 227p. 8°. Helsin., 1938.

Forms Suppl. 29, Acta otolar., Stockh.

Alföldy, J. [Bacteriology of otitis media] Orv. hetil., 1934, **78:** 493–5. ——— [Bacteriology of specific otitis media] Ibid., 1935, **79:** 501–3.—**Ananthanarayanan, R.** Bacterial flora of ear pus in South Indians. Ind. J. Surg., 1948. **10:** 302.—**Angelescu, G., Boeriu, V., & Toma, A.** [Chronic suppurative otitis of the middle ear; is it sometimes tuberculous?] Rev. san. mil., Bucur., 1933, **32:** 285–301.—**Bonnahon, J.** Contribution à l'étude bactériologique des suppurations auriculaires à microbes pyogènes aérobies. Arch. internat. laryng., Par., 1930, **36:** 897–939.—**Calvet, J.** Importance de l'examen bactériologique dans les oto-mastoïdites. Otorhinolar. internat., Lyon, 1937, **21:** 377–406.—**Caminiti, F. P.** Negatività della ricerca del bacillo di Koch in soggetti tubercolotici affetti da otite media purulenta cronica. Rass. ital. otorinolar., 1934, **8:** 88–92.—**Carcò, P.** Sulla gram-resistenza dei piogeni delle suppurazioni timpaniche acute. Otorinolar. ital., 1930–31, **1:** 581–90.—**Casella, B.** Flora batterica nelle otiti medie purulente croniche. Gior. med. mil., 1925, **73:** 422–31.—**Cristiani, M.** Infezioni per via auricolare da B. paratyphi B e C, Streptococcus pneumoniae, Mycobacterium tuberculosis. Ibid., 1939, **87:** 500–15.—**Dei Rossi, A.** Ricerche sulla flora aerobica delle mesotimpaniti acute e croniche. Arch. ital. otol., 1931, **42:** 441–66.—**Donadei, G.** Contributo allo studio della flora batterica delle suppurazioni croniche auricolari. Atti Soc. lombard. sc. med., 1927, **16:** 257–67. ——— Ricerche ed osservazioni sui cocchi patogeni delle otiti medie purulente acute. Arch. ital. otol., 1933, **45:** 245–53. Also Boll. Sez. ital. Soc. internaz. microb., 1933, **5:** 186–9.—**Fairén Guillén, M.** Bacteriología de las otitis del lactante; consideraciones sobre 416 casos. Tr. Inst. nac. cienc. méd., Madr. (1946–47) 1947, **8:** 221–31.—**Fowler, E. P., jr.** The bacteriology of acute otitis media and its course under new and old methods of treatment. Canad. M. Ass. J., 1941, **44:** 372–80.—**Frauenberger, G. S.** Infections of the middle ear as related to other respiratory infections. Arch. Otolar., Chic., 1941, **33:** 1105.—**Germán, T.** [Importance of bacteriological findings in acute inflammation of the middle ear] Orvosképzés, 1933, **23:** 469–75.—**Grekowitz, G.** Die Keimflora fötider akuter Kinderotitiden. Wien. med. Wschr., 1938, **88:** 291–4.—**Grusman, M. A., & Pugach, P. M.** [Microflora of acute suppurative otitis in relation to its course and complications] Vest. sovet. otorinolar, 1932, **25:** 398–409.—**Harboe, W.** Prognostic experiments on the activity of virus in otology according to Skajaa's method. Acta otolar., Stockh., 1926–27, **10:** 356–61.—**Hart, V. K.** The bacteriology of acute ears. Laryngoscope, 1927, **37:** 56–61.—**Henry, L. D., & Kuhn, H. A.** Bacteriological studies of acute infections of the middle ear. Tr. Am. Lar. Rhin. Otol. Soc., 1940, **46:** 384–9. Also Ann. Otol. Rhinol., 1940, **49:** 519–25.—**Hermitte, L. C. D.** A practical contribution to the bacteriology and treatment of otitis. Tr. R. Soc. Trop. M. Hyg., Lond., 1932, **26:** 189–94.—**Hesse, W.** Beiträge zur Bakteriologie und Klinik akuter Mittelohreiterungen, akuter Mastoiditiden und deren Komplikationen. Zschr. Hals &c. Heilk., 1928–29, **22:** 372–411. ——— Zur Bakteriologie der chronischen Mittelohreiterung. Ibid., 1931, **29:** 360–8; Disc. 376.—**Hofmann, L.** Die Keimflora fötider akuter und chronischer Otitiden. Ibid., 1929, **24:** 423–32; Disc., 446–62.—**Ibuki, K.** Zur Bakteriologie der akuten Mittelohreiterung. Otorhinolaryngologia, Tokyo, 1936, **9:** 1101.—**Khatenever, A. M.** [Microflora of suppurative otitis] Vest. otorinolar., 1940, No. 11, 107.—**Kopáč, S.** [Bacteriology of post-scarlatinal and post-diphtheritic otitis] Cas. lék. česk., 1928, **67:** 1777–9.—**Martín Calderín, A.** Valoración clínica de la bacteriología de las otitis medias. Medicina, Madr., 1949, **17:** 59–78.—**Monti, P. C.** I germi anaerobi nelle otiti e loro complicanze. Arch. ital. otol., 1929, **40:** 185–94. Also Fr. abstr., Boll. Sez. ital. Soc. internaz. microb., 1929, **1:** 12–4.—**Nakamura, S.** Tyūzien no saikingaku-teki kenkyū. Jap. Zschr. Mikrob., 1940, **34:** Suppl., 28; passim.—**Nelson, J. B.** The bacteria of the infected middle ear in adult and young albino rats. J. Infect. Dis., 1930, **46:** 64–75.—**Neumann, H.** Welchen Einfluss hat die Bakterienflora auf den Verlauf der akuten Mittelohrentzündung? Aerztl. Prax., Wien, 1935, **9:** 288. Also Wien. klin. Wschr., 1935, **48:** 275. Also Wien. med. Wschr., 1935, **85:** 1090.—**Newhart, H.** Report of unusual bacterial findings in a fatal case of chronic otitis media with complications. Tr. Am. Otol. Soc., 1939, **29:** 348–55. Also Laryngoscope, 1939, **49:** 1024–30.—**Nielsen, J. C.** Spaedbørnsotiternes bakteriologi. Nord. med., 1945, **28:** 2236–8.—**Page, J. R.** Bacteriology of acute middle ear and mastoid infections. Tr. Am. Otol. Soc., 1934, **24:** 39–44. Also Arch. Otolar., Chic., 1934, **20:** 447–51.—**Pinegina, N. L., & Korovina, N. M.** Mikroflora barabannoi polosti pri khronicheskikh gnoinykh otitakh. Vest. otorinolar., 1949, 33–7.—**Rizzi, G.** Ricerche batteriologiche sull'otite media nella prima infanzia. Arch. ital. otol., 1930, **41:** 262–74.—**Rudberg, R.** Bacteriological investigation of the auditory canal secretion in acute otitis. Acta otolar., Stockh., 1948, Suppl. No. 74, 194–202.—**Sala, O.** Sull'importanza de fattori costituzionali nell'otite media cronica; i germi aerobi nella otite media purulenta cronica varietà epitimpanica e marginale. Margin. otolar., Fir., 1948–49, **6:** 161–73, tab.—**Scharfe, E. E.** Bacteriologic review of the cases of suppurative otitis media and mastoiditis observed in the Royal Victoria and the Montreal General Hospital during 1938. Arch. Otolar., Chic., 1939, **30:** 131–3.—**Scheffler, K.** Jahreszeitliche Schwankungen der Erreger bei Otitis media. Zschr. Hals &c. Heilk., 1940–41, **47:** 32–46.—**Takata, A.** Kyūsei tyūzien no kien-kin oyobi sono-go no zirō-tyū saikin no hensen ni tuite [bacterial types in acute otitis media; changes in the flora during the progress of aural discharges] Zibiinkoka, 1950, **22:** 58–61.—**Tanaka, G., & Ohhasi, Z.** Waga kyōsitu ni okeru tyūzien no saikingaku-teki kensa seiseki ni tuite [results of the bacteriological examination of otitis media ...] Kumamoto igakkai zassi, 1940, **16:** 681.—**Torrini, U. L., & Morandini, G.** Contributo allo studio della flora batterica delle complicanze otitiche, con speciale riguardo alla clinica. Ann. laring., Tor., 1927, **28:** 7–28.—**Valentine, E.** Bacteriologic study of middle ear infections. J. Infect. Dis., 1924, **35:** 177–206.—**Vedder, A.** Bacteriologische waarnemingen bij een epidemic van otitis media en mastoiditis. Ned. tschr. geneesk., 1946, **90:** 291–3.—**Winnik, S. A.** Contribution à l'étude de la corrélation bactériologique des otites moyennes suppurées et des mastoïdites. Otolar. slav., Praha, 1931, **3:** 328–38.—**Wirth, E.** Studien zur klinischen Bakteriologie der akuten Mittelohrentzündung. Beitr. Anat. Ohr., 1927, **26:** 190; 1928, **27:** 21. ——— Seltene gramnegative, anaërobe Bazillen als ungewöhnlich bösartige Erreger von akuten Mittelohrentzündungen. Zbl. Bakt., 1927–28, **105:** 201–4. ——— Experimentelle Untersuchungen zur Bakteriologie und Pathologie der chronischen Mittelohrentzündungen. Zschr. Hals &c. Heilk., 1934–35, **37:** 316–56.

—— Bathing and swimming.

See also **Swimming-pool,** Hazards.

Aural and paranasal infection in swimmers. Med. J. Australia, 1939, **2:** 692.—**Harry, P. A.** Swimmer's otitis. Prescriber, Edinb., 1940, **34:** 125.—**Hasty, F. E.** Otitis media and swimming. Tr. Am. Lar. Rhin. Otol. Soc., 1927, **33:** 246–54.—**Hill, F. T.** Otologic complications from swimming in summer camps; an attempt at prevention. Ann. Otol. Rhinol., 1929, **38:** 444–54.—**Kagan, S. E.** [Otitis during the bathing season] Sovet. vrach. gaz., 1934, **38:** 921–4.—**Kettel, K.** [Bathing otitis] Ugeskr. laeger, 1939, **101:** 869–71.—**McAuliffe, G. B.** The prevention of so-called bathers' ear. Med. J. & Rec., 1926, **124:** 327.—**Mathieu, C.** L'otite des baigneurs. J. Hôtel-Dieu Montréal, 1942, **11:** 216–8.—**Nesbit, W. M.** Sinus and ear infections due to swimming. Wisconsin Bd Health Q. Bull., 1945, **7:** 12–4.—**Nielsen, J. C.** Beitrag zur Aetiologie der Badeotitis. Acta otolar., Stockh., 1942, **30:** 234–48. ——— Badeotiter; aetiologi, symptomatologi og pathogenese. Ugeskr. laeger, 1944, **106:** 1116–8. Also

Acta otolar., Stockh., 1945, **33**: 31–5. ——— Bathing otitis from the season of 1943. Ibid., 155. Also Nord. med., 1945, **28**: 2213.—**Saunders, G. C.** Sinusitis and otitis in swimmers. Am. J. Hyg., 1929, **10**: 253–60.—**Swimming** ear. Lancet, Lond., 1939, **2**: 1036.—**Taylor, H. M.** Otitis and sinusitis in the swimmer, with emphasis on man's lack of adaptation to an aquatic environment. Tr. Sect. Lar. Otol. Am. M. Ass., 1939, 17–28. Also J. Am. M. Ass., 1939, **113**: 891–4.—**Truffert, P.** L'otite des piscines. Bull. méd., Par., 1929, **43**: 1257–9.

—— bilateral.

See also subdivision Lateralization.

Gellein, P. Ueber die Prognose bei doppelseitiger akuter Otitis media suppurativa. Acta otolar., Stockh., 1934, **20**: 458–70. Also Nord. med. tskr., 1934, **7**: 467.—**Lurie, M. H., Goodale, R. L., & Slaughter, E. C.** Chronic bilateral suppurative hemorrhagic otitis media with meningitis and temporal lobe abscess. Arch. Otolar., Chic., 1941, **33**: 138. ——— Bilateral acute suppurative otitis media with meningitis. Ibid., 139.—**Maus.** Doppelseitige Mittelohrentzündung mit doppelseitiger Abduzenslähmung. Sitzber. Otolar. Ges. Berlin, 1931, 97–102.—**Ross, A. M.** Bilateral chronic suppurative otitis media with complications. Brit. M. J., 1947, **2**: 56.—**Tobey, H. G., & McCall, R. E.** Chronic suppurative otitis media on the right side; acute otitis media with mastoiditis on the left side. Arch. Otolar., Chic., 1942, **35**: 346.—**Trétrôp.** Otite moyenne purulente bilatérale, antrite, mastoïdite aiguës avec état typhique; guérison sans opération. Bull. Soc. belge otol., 1905, **10**: 144–6.—**Zapaśnik-Kobierska, H.** Przypadek nagminnego zapalenia opon mózgowych z równoczesnym obustronnym zapaleniem uszu. Pediat. polska, 1948, **22**: 291.

—— Blood picture.

See under subdivision Hematology.

—— Brain [and spinal cord]

See also other subdivisions (Brain abscess; Cerebellum; Encephalitis; Meningitis)

Ruegg, C. *Beitrag zur Frage über Häufigkeit und Vorkommen otitischer Hirnkomplikationen [Basel] 38p. 8° Laupen b. Bern, 1927.

Agra, A., & Dickmann, G. H. Valor diagnóstico de la ventriculografía en las complicaciones cerebrales de la otitis supurada. Sem. méd., B. Air., 1938, **45**: pt 2, 1106–9.—**Behlau, C.** Statistische Mitteilungen über die in den Jahren 1920–26 an der Heidelberger Klinik beobachteten otogenen Hirnkomplikationen. Zschr. Hals &c. Heilk., 1928, **21**: 26–47.—**Bonaba, J., & Saldún de Rodríguez, M. L.** Crisis encefalopáticas hipotalámicas consecutivas a otomastoiditis crónica aparentemente curada. Arch. méd. mex., 1948, **6**: 422.—**Courville, C. B., & Nielsen, J. M.** Cerebral manifestations following acute otitis media in infancy and in early childhood with particular reference to the occurrence of Jacksonian convulsions, conjugate deviation of the head and eyes and hemiplegia. Am. J. Dis. Child., 1935, **49**: 1–27.—**Falkenberg, K.** Hirndruckfernwirkung otogener Herkunft. Mschr. Ohrenh., Wien, 1940, **74**: 369–71.—**Fracassi, T., Ameriso, J., & Marelli, F. L.** Complicaciones cerebrales de las otitis. Rev. argent. neur. psiquiat., 1942, **7**: 160–2.—**Grant, A. L.,** jr. Meningeal and cerebral complications of otitic origin; report of four cases. J. Maine M. Ass., 1926, **17**: 189–95.—**Güttich, A.** Zur Diagnostik der Hirnerkrankungen bei Mittelohreiterungen. Beitr. Anat. Ohr., 1930, **28**: 213–20.—**Kan, P. T. L.** [Observations on the paths of infection in otogenic brain diseases] Ned. tschr. geneesk., 1928, **72**: pt 2, 3760–9.—**Korsakov, I. V.** Sindrom mozgovogo stvola pri oslozhnennom khronicheskom otite. Vest. otorinolar., 1949, **11**: No. 5, 76.—**Krepuska, I.** Ein Fall von Konglomerattuberkel im Gehirn im Anschluss an chronische Mittelohreiterung. Arch. Ohr. &c. Heilk., 1927–28, **117**: 219–24, pl.—**Murphy, J. W.** Brain infection of otitic origin, with report of five cases. Tr. Am. Lar. Rhin. Otol. Soc., 1915, **21**: 58–68.—**Ombrédanne, M.** Oedème cérébral à forme corticale compliquant une otomastoïdite aiguë; large décompressive temporale; guérison. Arch. fr. pédiat., 1944–45, **2**: 205–9.—**Peyre, E. L.** Mastoïdite et compression cérébrale à distance. Otorhinolar. internat., Lyon, 1923, **7**: 460–4.—**Ruegg, K.** Beitrag zur Frage über Häufigkeit und Vorkommen otitischer Hirnkomplikationen. Zschr. Hals &c. Heilk., 1927, **19**: 345–7.—**Steurer.** Ueber die Entstehung von cerebralen Komplikationen bei akuten und chronischen Mittelohrentzündungen. Korbl. Allg. ärztl. Verein. Thüringen, 1926, **55**: 188.

—— Brain abscess.

See also subdivisions (Brain; Cerebellum) For epidural abscess see subdivision Meningitis. See also **Brain abscess,** otogenous.

Keller, H. *Kasuistischer Beitrag zu den otogenen Schläfenlappenabszessen. 35p. 21cm. Frankf. a. M., 1940.

Aboulker & Badaroux. Abcès cortico-méningé d'origine otitique. Algérie méd., 1931, **35**: 29–31.—**Allison, P. R., Hellier, F. F., & Seed, G. S.** Brain and lung abscesses and benign spontaneous pneumothorax as complications of otitis media. Lancet, Lond., 1936, **1**: 1060–2.—**Asherson, N.** Two cases of brain abscess secondary to acute otitis media, with unusual symptoms; operation; recovery. J. Lar. Otol., Lond., 1939, **54**: 141–4.—**Baron, S. H.** Perforated peptic ulcer from an abscess of the brain of otitic origin; report of a case. Arch. Otolar., Chic., 1939, **29**: 919–26.—**Belinoff, S.** Ein Beitrag zur Kasuistik des otitischen Hirnabscesses. In: Urbantschitsch Festschrift, Wien, 1919, 89–92.—**Blonder, E. J.** Visualization of otitic brain abscess with iodized oil. J. Am. M. Ass., 1946, **130**: 635.—**Boss, L.** Case of left temporal lobe abscess, extradural abscess and lateral sinus thrombosis, following exacerbation of chronic suppurative otitis media; drainage, recovery. J. Lar. Otol., Lond., 1945, **60**: 216.—**Brătescu, V., & Racoveanu, V.** [Left oto-mastoiditis; cerebral abscess of left hemisphere; motor aphasia; right hemiplegia; paralysis of the left external motor oculi] Rev. san. mil., Bucur., 1932, **31**: 399–401.—**Brunner, H.** Otitic brain abscess. Ann. Otol. Rhinol., 1942, **51**: 1161–4 (Abstr.) Also Arch. Otolar., Chic., 1942, **36**: 306–8.—**Calvet, J., & Claux, J.** Abcès silencieux d'origine otitique du lobe temporal. Rev. otoneur., Par., 1947, **19**: 375.—**Carrega, N., Paillas, J. E.** [et al.] Abcès du cerveau d'origine otitique; guérison très rapide, mais récente. Ibid., 1938, **16**: 683–6.—**Coates, G. M., & Case, E. A.** Report of a case of multiple abscess of the brain following chronic suppurative otitis media and suppurative labyrinthitis with unusual pathologic findings at autopsy. Ann. Otol. Rhinol., 1924–25, **33**: 335–41.—**Colleville.** Abcès du cerveau chez une otorrhéique gauche s'accompagnant d'aphasie; opération; guérison. Echo méd. nord, 1937, **8**: 398–400.—**Das, U. N.** Brain abscess of otitic origin. Calcutta M. J., 1931–32, **26**: 361–7.—**David, M., Askenasy, H., & Petel, R.** A propos d'un cas d'abcès encapsulé du lobe temporal d'origine otitique. Ann. otolar., Par., 1937, 896–907.—**Davis, E. D. D.** A specimen of a chronic abscess of the pons arising from middle ear suppuration. Proc. R. Soc. M., Lond., 1923–24, **17**: Sect. Otol., 69–71.—**Despons & Vérin.** Abcès cérébral d'origine otique. Arch. fr. pédiat., 1946, **3**: 491.—**Eaddy, N. O., & Sekerak, R.** Otitic brain abscess. J. S. Carolina M. Ass., 1937, **33**: 49–53.—**Escat, M.** Les abcès cérébraux d'origine otique et sinusienne; considérations thérapeutiques. Rev. otoneur., Par., 1947, **19**: 374. Also Otorhinolar. internat., Lyon, 1948, **32**: 57.—**Etchelar, R., & Simón, G.** Absceso cerebral de origen ótico curado. Arch. méd. mex., 1944, **2**: 217.—**Faaborg-Andersen, K.** Et tilfaelde af otogen epiduralabsces med intakt trommehinde. Nord. med., 1948, **38**: 1059.—**Faunce, C. B., & Shambaugh, G. E.,** jr. Brain abscess following mild transitory otitis media. Tr. Am. Laryng. Ass., 1933, **39**: 371–6.—**Fernández Seco, I.** Mastoiditis aguda y absceso extradural en la evolución de una supuración crónica del oído medio. Siglo méd., 1921, **68**: 552–6.—**Fetisov, A. G.** [Treatment of cerebral abscess of otitic origin] J. ushn. nosov. gorlov. bolez., 1941, **18**: 11–21.—**Fisher, L.** A proven case of brain abscess complicating middle ear suppuration; methods of diagnosis. Ann. Otol. Rhinol., 1930, **39**: 961–5.—**Fracassi, T.** Abscesos cerebrales otógenos. Rev. méd. Rosario, 1936, **26**: 613–20.—**Gensollen & Montauffier.** Abcès cérébral otitique, guéri par drainage et injection de pénicilline in situ. Ann. otolar., Par., 1946, **13**: 268–70.—**Gerlings, P. G.** Metastatische hersenabscessen na otitis media. Ned. tschr. geneesk., 1947, **91**: 1601.—**Goodof, I. S.** Otitis media; abscesses of the brain. Washington Univ. M. Alumni Q., 1942–43, **6**: 108–10.—**Gotō, S.** M'an-sei tyūzien ni yoru nō-nōyō no iti tiken rei. Iryo, 1950, **4**: 30–2.—**Graham, T. O.** Otitic meningitis and brain abscess. Irish J. M. Sc., 1948, 240.—**Heimendinger, Greiner & Rohmer, F.** Considérations sur deux abcès otogènes du lobe temporo-sphénoïdal droit. Rev. otoneur., Par., 1947, **19**: 176–81.—**Hickey, B. B.** A case of subarachnoid abscess of otitic origin. Brit. J. Surg., 1943–44, **31**: 409–11.—**Hoekstra, K. A.** Een geval van hersenabsces in aansluiting aan een acute middenoorontsteking. Ned. tschr. geneesk., 1946, **90**: 1416. Also Acta otorhinolar., Brux., 1947, **1**: 84.—**Hofmann, L.** Schläfelappenabszess nach Otitis media suppurativa acuta; Heilung mit Ausgang in Amaurose. Mschr. Ohrenh., Wien, 1934, **68**: 86–92.—**Hubert, C., & Leroux, M.** Abcès du cerveau post-otitique à streptocoques incisé et drainé; traitement sulfamidé; guérison rapide. Otorhinolar. internat., Lyon, 1939, **23**: 242–4.—**Jansen, A.** Beitrag zu raschem Hirnabszessverlauf bei akuter Otitis media purulenta. Mschr. Ohrenh., Wien, 1924, **58**: 249–52.—**Javier Pérez, F.** Abscesos óticos. Rev. méd. Rosario, 1936, **26**: 607–12.—**Koyama, Y.** Kyūsei tyūzi-en ni zokuhatu-seru nōnōyō ni tai-suru kōsatu [studies on the cerebral abscess from acute otitis media] Tohoku igaku zassi, 1937, **20**: 397–418, pl.—**Kristensen, H. K.** Et tilfaelde af otogen, subdural absces med intakt trommehinde. Nord. med., 1948, **38**: 1045–7.—**Leitch, J. W.** A case of acute bilateral otitis media associated with large abscess of the right frontal lobe. J. Lar. Otol., Lond., 1924, **39**: 209–12.—**Lemoyne, J., & Henrot.** Abcès temporal à anaérobies compliquant une otite chronique. Ann. otolar., Par., 1944–45, 73–5.—**Meurman, Y.** Abscess of the left temporal lobe after clinically subsided otitis; operation; recovery. Acta otolar., Stockh., 1949, **37**: 212.—**Moulonguet, A.** Les faux abcès du cerveau. Bull. méd., Par., 1949, **63**: 117–21.—**Muck, O.** Betrachtungen über die Ursache des Heilerfolges sowie des tödlichen Ausgangs bei einer Reihe von Hirnabscessfällen. Zschr. Hals. &c. Heilk., 1928, **21**: 410–26.—**Nielsen, J. M., & Courville, C. B.** Pseudo-abscess of the brain: intracranial disease during otitis media simulating encephalic abscess. Ann. Otol. Rhinol., 1934, **43**: 972–87.—

Novotny, O. Chronische Mittelohreiterung, Stauungspapille, Abszessverdacht. Mschr. Ohrenh., Wien, 1948, **82**: 37–9.—**Pastor, C., & Montes, O.** Absceso cerebral de origen ótico. Arch. Hosp. niños, Santiago, 1947, **15**: 45–8.—**Peabody, J. R.** Brain abscess complicating acute otitis media, with case report. Kentucky M. J., 1935, **33**: 465–74.—**Perrenoud.** Au sujet de la sulfanilamidothérapie dans un cas d'abcès cérébral otogène avec méningite. Schweiz. med. Wschr., 1944, **74**: 847.—**Powell, L.** Four cases of brain abscess of otitic origin, with comments. Rep. R. Berkshire Hosp., 1934–35, 82–93.—**Richter, H.** Grosser Hirnabszess mit Ventrikelruptur bei anscheinend harmloser chronischer Mittelohreiterung. Arch. Ohr. &c. Heilk., 1942, **151**: 17–24. ——— Ueber otitische Hirnabszesse. Mschr. Ohrenh., Wien, 1943, **77**: 577–81.—**Rimini.** Sulla diagnosi precoce dell'ascesso cerebrale otitico. Boll. ocul., 1924, **3**: 1056.—**Rohanet, de.** Abcès du cerveau; complication mortelle d'une otorrhée ancienne. Ouest méd., 1949, **2**: 539.—**Roullet & Savin.** Abcès cérébral d'origine otique opéré; mort trois semaines après l'opération par hémorragie cérébrale. Rev. méd. Centr. Ouest, 1932, **4**: 253–5.—**Rutenburg, D. M.** [New method of post-operative treatment of cerebral abscess of otitic origin] J. ushn. nosov. gorlov. bolez., 1941, **18**: 3–10.—**Schmitz, C.** Metastatischer Rückenmarksabszess im Anschluss an Gehirnabszess infolge chronischer Mittelohreiterung. Arch. Ohr. &c. Heilk., 1926–27, **116**: 68–70.—**Schnierer, J.** Zur Pathogenese des otogenen Schläfenlappenabszesses bei der akuten Otitis. Mschr. Ohrenh., Wien, 1930, **64**: 1441–67.—**Seyffarth, O.** Temporallappenabszess als Spätkomplikation nach Radikaloperation der Mittelohrräume. Zschr. Laryng., 1934, **25**: 432.—**Silva Alves.** Un caso de absceso de cérebro otogéneo. Amatus Lusitanus, Lisb., 1946, **5**: 288.—**Simeoni, C.** Sull'ascesso encefalico di origine otitica; considerazioni cliniche e statistiche. Boll. mal. orecchio, 1938, **56**: 401–23.—**Smith, S. M.** A brief consideration of otitic brain abscess, with special reference to diagnosis and localization; presentation of cases and specimens. Tr. Coll. Physicians Philadelphia, 1924, **46**: 453–72.—**Tabachnik, M. M.** Opukhol levoi visochnoi doli, simulirovavshaia abscess mozga pri khronicheskom gnoinom otite. Vest. otorinolar., 1947, **77**.—**Tawse, H. B.** Acute middle-ear suppuration (left) with symptoms suggesting meningitis and temporal lobe abscess; recovery. J. Lar. Otol., Lond., 1927, **42**: 535–7.—**Tejerina Fotheringham, W.** Absceso encefálico de origen ótico; anatomía quirúrgica; su tratamiento. Rev. méd. Rosario, 1936, **26**: 621–53, illust.—**Togasi, Z.** Zi-sei soku-tōyō nōyō no iti tiken rei [case of cure of otogenous abscess of the temporal lobe] Zibiinkoka, 1949, **21**: 207.—**Trétrôp.** Volumineux abcès du cerveau consécutif à une otite moyenne purulente. Bull. Soc. belge otol., 1905–06, **11**: pt 2, 20–4.—**Unterberger.** Bemerkenswerter Fall von Heilung eines otogenen Hirnabszesses; subakute Otitis media, Mastoiditis, Mastoidektomie, Pyramidenspitzenprozess, Meningitis, postmeningitische progrediente Encephalitis purulenta des Schläfelappens, erweiterte Trepanation, Eröffnung und Tamponade der Hirneinschmelzungshöhle, maximaler Pyozephalus, spontane Ventrikelfistel, Heilung. Mschr. Ohren., Wien, 1943, **77**: 602.—**Urbantschitsch, E.** Ausgedehnte Sinusthrombose und Schläfelappenabszess bei akuter Exazerbation einer chronisch-eitrigen Mittelohrentzündung. Ibid., 1935, **69**: 620–2. ——— Völlig abgekapselter und von seiner Umgebung losgelöster otogener Schläfelappenabszess bei einem Kinde im Verlaufe von Scharlach. Ibid., 1940, **74**: 364–7.—**Van de Calseyde, J.** Abcès otitique latent et multiples foyers d'encéphalite du lobe temporal gauche avec temporal montrant la voie d'infection. Bull. Soc. belge otol., 1908–09, **14**: 36.—**Van den Wildenberg.** Les abcès multiples du cerveau d'origine otique. Scalpel, Brux., 1936, **89**: 161–6, illust.—**Vermes, E.** Linksseitiger Schläfenlappenabszess bei chronischer Mittelohrentzündung. Mschr. Ohrenh., Wien, 1931, **65**: 102–7.—**Vincent, C., David, M., & Askenasy, H.** Abcès temporal d'origine otitique guéri par ponction et large décompression. Rev. otoneur., Par., 1937, **15**: 81–6, 4 pl.—**Winter, P., & Lemoyne, J.** Suggestions en vue de mettre au point la question du traitement des abcès otitiques du cerveau et du cervelet. Ann. otolar., Par., 1944–45, 75–84.—**Witek, S., & Wolkowyski, N.** [Case of abscess of the left temporal lobe following suppurative inflammation of the left middle ear] Nowiny lek., 1937, **49**: 259–62.

—— Cardiovascular system.

See also subdivision Sinus thrombosis.

Barwich, I. M. Primäre septische Bulbusthrombose bei akuter Otitis mit Leukopenie. Mschr. Ohrenh., Wien, 1934, **68**: 244.—**Bertoin, R.** Thrombo-phlébite de la veine cave inférieure d'origine otique. Lyon méd., 1925, **135**: 544–6.—**Lanet & Agostini.** A propos des complications veineuses des oto-mastoïdites et de leur traitement. Maroc méd., 1945, **24**: 9–12.—**Lannois & Gaillard, R.** Quelques cas de complications veineuses des oto-mastoïdites. Ann. mal. oreille, 1927, **46**: 567–82.—**Novotny.** Otogener Nackenabszess durch primäre Bulbusthrombose. Mschr. Ohrenh., Wien, 1944, **78**: 166.—**Nühsmann, T.** Die klinische Bedeutung von Pulsveränderungen im Verlauf komplizierter und nichtkomplizierter otitischer Erkrankungen. Arch. Ohr. &c. Heilk., 1926, **115**: 281–300.—**Trétrôp.** Phlébite septique et ostéite cervicale consécutives à une otite moyenne. Bull. Soc. belge otol., 1912, **17**: No. 4, 145–8.—**Zöllner, F.** Versteckte Bulbusthrombose und ihre Klärung durch röntgenologische Darstellung des Foramen jugulare. Arch. Ohr. &c. Heilk., 1939 ,**146**: 33–8.

—— Cerebellum.

See also **Cerebellum**, Abscess.

Asherson, N. El absceso cerebelar otogénico con referencia especial al síndrome de líquido céfalo-raquídeo de la fosa posterior. Día méd. urug., 1945–46, **13**: 131.—**Brown, L. G.** Chronic suppurative otitis media with lateral sinus thrombosis and cerebellar abscess. Proc. R. Soc. M., Lond., 1927–28, **21**: Sect. Otol., 73.—**Cisneros, J.** Absceso cerebeloso de origen ótico. Bol. lar. otol., Madr., 1906, **6**: 66–71.—**De Stella.** Otite moyenne purulente aiguë compliquée de thrombosinusite et d'abcès sous-dural du cervelet; opération; mort. Bull. Soc. belge otol., 1903, **8**: 228–30.—**Ikema, M.** Zi-sei syōnō nōyō no iti rei [case of otogenous abscess of the cerebellum] Zibiinkoka rinsyo, 1940, **35**: 887–91, pl.—**Krepuska, I.** [Sinus phlebitis and abscess of the cerebellum with acute purulent inflammation of the ear] Orv. hetil., 1929, **73**: 1124–6.—**Mosquera, J. E., & Toce, A.** Consideraciones sobre un caso de absceso de cerebelo post-otítico. Prensa méd. argent., 1936, **23**: 2752–7.—**Ruttin, E.** Diffuse eitrige manifeste Labyrinthitis, Kleinhirnabszess und Sinusthrombose. Mschr. Ohrenh., Wien, 1934, **68**: 359–63.—**Shapiro, S. L.** Pseudocerebellar abscess. Arch. Otolar., Chic., 1937, **25**: 17–22.—**Symonds, C. P.** Acute otitis media; cerebellar abscess. Postgrad. M. J., Lond. 1925–26, **1**: 35.—**Tobey, H. G., MacMillan, A. S.** [et al.] Chronic suppurative otitis media and cerebellar abscess on the left side. Arch. Otolar., Chic., 1944, **40**: 419.—**Van den Widenberg.** Volumineux abcès du cervelet d'origine otitique. Bull. Soc. belge otol., 1906-07, **12**: 34.

—— Cerebrospinal fluid.

Björk, H. Untersuchungen über die Liquorverhältnisse bei der akuten Mittelohrentzündung und ihren Komplikationen. 290p. 8° Helsin., 1937.

Forms Suppl. 24, Acta otolar., Stockh., 1937.

Buccelli, A. Sul comportamento del liquido cerebro-spinale nelle flogosi auricolari. Arch. ital. otol., 1928, **39**: 525–9.—**Czernic, S.** Zmiany w plynie mózgowo-rdzeniowym w przebiegu powiklán wewnątrzczaszkowych pochodzenia usznego z uwzględnieniem leczenia penicylina. Otolar. polska, 1948, **2**: 261–302, 2 tab.—**Eisinger, K.** Liquorveränderung bei Extraduralabszess im Verlaufe einer akuten Otitis; Operation; Heilung. Mschr. Ohrenh., Wien, 1938, **72**: 545.—**Juderías, A.** Valor diagnóstico de la punción lumbar en las enfermedades del oído. Notic. méd. españ., 1948, **8**: No. 169, 3–6.—**Letnik, S. F.** [Pathology of cerebrospinal fluid in intracranial complications of otitic origin] Odess.med. J., 1929, **4**: 344–52.—**McConnell, A. A.** Abnormalities in the amount and circulation of the cerebrospinal fluid associated with otitis media. Brain, Lond., 1937, **60**: 315–28.—**Sauvain, G.** Ecoulement de liquide céphalo-rachidien au cours d'une otite moyenne spontanément ouverte. Ann. otolar., Par., 1939, 404–10.—**Van Caneghem.** La pression du liquide rachidien dans les complications cliniquement extraduremériennes des otites. Ibid., 1933, 1413–21.

—— cholesteatomatous.

See also **Middle ear,** Cholesteatoma.

Hornberger, T. *Ueber die Doppelseitigkeit der Cholesteatomeiterung des Mittelohres (statistische Erhebungen) [Tübingen] 11p. 8° Würzb., 1937.

Murga, H. R. *Otitis media crónica colesteatomatosa y su tratamiento quirúrgico por vía endoaural. 88p. 27½cm. B. Air., 1940.

Szénási, W. L. *Unter dem Bilde der schweren akuten Mastoiditis verlaufende Fälle von Mittelohrcholesteatom. 24p. 8° Würzb., 1929.

Agra. Otitis media supurada colesteatomatosa; absceso del lóbulo témporo-esfenoidal izquierdo. Rev. As. méd. argent., 1936, **49**: 281–5.—**Altmann, F.** Chronische Otitis rechts (exazerbierte Cholesteatomeiterung) Sinusthrombose-, Radikal- und Sinus-Jugularis-Operation, peribulbäre Eiterung, mehrfache Bulbusspüllungen, vom unteren Winkel der Jugularis-wunde ausgehende Gasphlegmone, multiple Inzisionen; Heilung. Mschr. Ohren., Wien, 1935, **69**: 504–7.—**Arauz, S. L.** Otitis media supurada crónica colesteatomatosa; absceso cerebral temporal. Rev. As. méd. argent., 1935, **49**: 210–3. ——— Otitis medias supuradas colesteatomatosas. In his Lecc. clín. otorinolar., B. Air., 1943, 163–71. ——— Otitis media crónica colesteatomatosa; meningitis; encefalitis. Ibid., 203–19. ——— & **Agra.** Otitis media supurada crónica colesteatomatosa pio-laberintitis difusa; meningitis purulenta. Rev. As. méd. argent., 1936, **49**: 971–3.—**Berberich.** Akute Otitis und Cholesteatom. Zschr. Hals &c. Heilk., 1928, **20**: 347–52.—**Bianculi, H., Rapaport, B., & Rojas, J. A.** Tratamiento de las otitis crónicas colesteatomatosas por lavados de ático. Sem. méd., B. Air., 1944, **51**: pt 2, 173–5.—**Burg, L. W. van der, & Noosten, H. H.** [Value of roentgenological examination in chronic otitis media and cholesteatoma] Geneesk. tschr. Ned. Indië 1934 **74**: 536–44.—**Chvojka J.** Hlíza mozková

a extradurální s meningitidou při počasném zánětu středoušním s cholesteatomem a labyrintitidou. Cas. lék. česk., 1946–47, **85**: 1821.—**Cojazzi, L., & Pozzan, A.** Sull'importanza dei fattori constituzionali nell'otite media cronica; il valore di una diagnosi chimica nell'otite colesteatomatosa. Margin. otolar., Fir., 1946–47, **5**: 577–83.—**Diamant, M.** Cholesteatoma and chronic otitis; etiologic problems. Arch. Otolar., Chic., 1948, **47**: 581–9.—**Di Vestea, D.** Colesteatoma dell'orecchio e otite media purulenta acuta (osservazione clinica) Valsalva, 1927, **3**: 467–70.—**Dworetzky, W.** Modified technic of plastic procedure in radical mastoidectomy; report of results in a case of circumscribed labyrinthitis and periphlebitis of the lateral sinus in the course of chronic purulent otitis media with cholesteatoma. Arch. Otolar., Chic., 1949, **50**: 821–6, illust.—**Emiliani, C. M., & Farjat, F. P.** Otitis media colesteatomatosa; laberintitis granulante, secuestro de laberinto, operación. Rev. As. méd. argent., 1937, **50**: 323.—**Fioretti, F.** Il dolore oculare in un caso di otite cronica colesteatomatosa riacutizzata. Riv. otoneur., 1933, **10**: 583–9.—**Glowacki, B. F.** Chronic otitis media complicated by cholesteatoma, labyrinthitis and suppurative meningitis, with recovery. Arch. Otolar., Chic., 1927, **5**: 230–3.—**Goldberger.** Otitis med. supp. chron., verjauchtes Cholesteatom, Sinusthrombose ohne Fieber. Mschr. Ohrenh., Wien, 1924, **58**: 764.—**Grabscheid, E.** Chronic purulent middle-ear suppuration with cholesteatoma. J. Lar. Otol., Lond., 1934, **49**: 415. ——— Otitis media supp. chron. bilat.; akute Exazerbation eines Cholesteatoms links; Mastoiditis links; Pachymeningitis beider Schädelgruben; zirkumpskripte Meningitis der hinteren Pyramidenfläche; Phlegmone des äusseren Gehörganges. Mschr. Ohrenh., Wien, 1935, **69**: 356–8.—**Hofmann, L.** Otitis media chronica cholesteatomatosa bei einem 5jährigen Kind; Exazerbation nach Sturz; Periostalabszess und Sinusthrombose, Operation, Heilung. Ibid., 1936, **70**: 614–6.—**Ide, D.** Otitic cholesteatoma with special reference to symptomatology. Eye Ear &c. Month., 1942–43, **21**: 233–8.—**Kearney, H. L.** Cholesteatoma in suppurative otitis media. Dis. Eye &c. Throat, 1942, **2**: 222–4.—**Kelemen, G.** Cholesteatomatöse, beiderseitige Panotitis beim Kaninchen. Arch. Ohr. &c. Heilk., 1926–27, **116**: 71–82.—**Koch, H.** A case of chronic otitis with cholesteatoma and intracranial air accumulation. Acta otolar., Stockh., 1940, **28**: 352–4.—**Land, F. T.** C. S. O. M., acute exacerbation with perisinus abscess and meningitis; recovery. J. Lar. Otol., Lond., 1948, **62**: 186.—**Lillie, H. I., & McBean, J. B.** Chronic mastoiditis with cholesteatoma and stenosis of the external auditory meatus; report of two cases. Proc. Mayo Clin., 1947, **22**: 246–8. Also Minnesota M., 1947, **30**: 161.—**MacMillan, A. S.** Cholesteatoma in chronic otitis media. Am. J. Roentg., 1936, **36**: 747–50.—**Majer, E. H.** Cholesteatomotitis, Schädelbasisfraktur, labyrinthogene Meningitis, Labyrinthoperation, Heilung. Mschr. Ohrenh., Wien, 1947, **81**: 42. ——— Schläfenbeinfraktur bei chronischer Otitis und Cholesteatom. Pract. Otorhinolar., Basel, 1947, **9**: 338–45.—**Maré, G. de.** Ein geheilter Fall von chronischer Otitis mit Cholesteatom, Sinusthrombose und Temporallappenabszess mit Ventrikeldurchbruch. Acta otolar., Stockh., 1937, **25**: 27–36.—**Mauthner, O.** Chronische rechtsseitige Mittelohreiterung, Cholesteatom; operative Sinusverletzung; postoperative otogene Allgemeininfektion; Jugularisunterbindung; Heilung. Mschr. Ohrenh., Wien, 1928, **62**: 222.—**Mazzola, W. J.** Forced drainage als behandeling van meningitis na otitis media met cholesteatoom. Ned. tschr. geneesk., 1938, **82**: pt 3, 4287.—**Metzenbaum, M., & Eisinger, O.** Cholesteatomotitis. Arch. Otolar., Chic., 1926, **3**: 353–6.—**Novotny, O.** Cholesteatomotitis, Sinusthrombose, Kleinhirnabszess. Mschr. Ohrenh., Wien, 1947, **81**: 426–8.—**Nylén, C. O.** A contribution to the diagnosis of cholesteatoma in otitis. Acta otolar., Stockh., 1936, **24**: 298–301.—**Owen, G. R.** A simplified method of producing the axial view of Mayer in chronic mastoiditis and attic cholesteatoma. Am. J. Roentg., 1947, **57**: 260–3.—**Podestá, R.** Demostración de preparados de otitis media supurada crónica colesteatomatosa en relación con los beneficios que podrían obtenerse con la osiculectomía. An. Inst. pediat. Hosp. niños, B. Air., 1937, 1–9.—**Rebattu & Mounier.** Méningite puriforme aseptique au cours d'une otorrhée chronique avec cholestéatome. Lyon méd., 1926, **138**: 397–9.—**Rejtő, S.** Sopra la terapia delle suppurazioni dell'orecchio medio complicate da colesteatoma. Valsalva, 1930, **6**: 281–6. Also Orvosképzés, 1934, **24**: 71–4. Also Acta otolar., Stockh., 1934, **20**: 230–5. Also Mschr. Ohrenh., Wien, 1935, **69**: 544–8.—**Riecke, H. G.** Ein differentialdiagnostisch interessanter Fall von Meningitis bei Cholesteatom des Mittelohres, Lues und Miliartuberkulose. Arch. Ohr. &c. Heilk., 1930, **126**: 284–8.—**Rojas, F. A., & Nijensohn, M.** Otitis media supurada crónica colesteatomatosa; comentarios sobre una pseudo-complicación cerebral. Rev. med., B. Air., 1939, **1**: 26–9.—**Ruttin, E.** Cholesteatom und akute Otitis. Arch. Ohr. &c. Heilk., 1929, **120**: 125–32. **Scheibe, A.** Die Unterscheidung der gefährlichen Cholesteatomeiterung von der ungefährlichen einfachen chronischen Mittelohreiterung. Münch. med. Wschr., 1925, **72**: 738–40.—**Schlander, E.** Otitis med. chron., Cholesteatom, Schläfelappenabszess, durch Dauertamponade geheilt. Mschr. Ohrenh., Wien, 1939, **73**: 230–2. ——— Otitis media chronica links, Cholesteatom; Kleinhirnabszess. Ibid., 1947, **81**: 217–9.—**Silva Alves, F.** Algumas considerações àcerca da otite média crónica colesteatomatosa. Clín. hig. & hidr., Lisb., 1946, **12**: 12–22.—**Soubiron, N., v. & Gerchunoff, G.** Otitis media crónica colesteatomatosa exacerbada; laberintitis difusa; laberintectomía. Rev. As. méd. argent., 1935, **49**: 1044.—**Tavani, E.** Atresia congenita incompleta del meato acustico esterno ed otite media purulenta cronica colesteatomatosa; rilievi sul complesso di malformazioni dell'orecchio esterno e medio osservate nello stesso caso. Otorinolar. ital., 1946, **14**: 310–25.—**Tetera, F.** [Chemical diagnosis of cholesteatoma in otitis media] Cas. lék. česk., 1936, **75**: 438–40.—**Török, M.** [Middle ear suppurations with cholesteatoma in children] Budapesti orv. ujs., 1938, **36**: 904–6.—**Uffenorde, W.** Muko-Pyocele im Warzenfortsatz hinter einem Epitympanum-Antrum-Cholesteatom mit Schläfenlappenabszess. Mschr. Ohrenh., Wien, 1944, **78**: 37–41.

—— chronic.

See also subdivisions (Otorrhea; suppurative)

Almour, R. The significance of the squamous epithelium in the cause and repair of chronic middle ear disease. Tr. Am. Acad. Ophth. Otolar., 1930, **35**: 357–77.—**Andrews, A. H.** Otitis media nonpurulenta chronica. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **5**: 336–40.—**Arauz, S. L.** Otitis media crónica simple. In his Lecc. clín. otorinolar., B. Air., 1943, 77–86.—**Arpon O'Connor, F., & Robbio Campos, J.** Otitis crónica. Acción méd., B. Air., 1940, **10**: 739–41.—**Arslan, K.** Sull'importanza dei fattori costituzionali nell'otite media cronica; impostazione delle ricerche; anomalie timpaniche di natura costituzionale. Atti Soc. med. chir. Padova, 1938, **16**: 80–6.—**Babcock, E. S.** Chronic otitis media in infancy. Arch. Pediat., N. Y., 1927, **44**: 508–12.—**Bernfeld, K., Feilchenfeld, M., & Hirsch, W.** Die chronische Otitis im Kindesalter als Allgemeinerkrankung mit besonderer Berücksichtigung des Vitamin-C-Stoffwechsels. Ann paediat., Basel, 1939, **153**: 222–32.—**Brock.** Mikroskopischer Befund eines Falles von anscheinend einfacher chronischer Mittelohreiterung mit letalem Ausgang. Beitr. Anat. Ohr., 1925, **22**: 25–32.—**Chronic** middle ear disease. R. Naval M. Bull., 1944, No. 8. 9–11.—**Cullom, M. M.** Chronic middle ear and mastoid infection. South. M. J., 1937, **30**: 785–92. Also J. Tennessee M. Ass., 1938, **31**: 11–7.—**Diamant, M.** Acute or chronic otitis? Acta otolar., Stockh., 1937, **25**: 507–23.—**Dutt, N.** Chronic discharging ear. J. Ind. M. Ass., 1948–49, **18**: 471–5.—**Fernández Soto, E.** Otitis media crónica. Vida nueva, Habana, 1941, **47**: 371–9.—**Gledhill, H.** The challenge of chronic otitis media. Med. Times, N. Y., 1936, **64**: 79; 96.—**Hall, I. S.** Chronic otitis media. Practitioner, Lond., 1947, **158**: 97–101.—**Ibbotson, W.** The menace of chronic otitis media. Med. Press & Circ., Dubl., 1934, **188**: 439–41.—**Lodge, W. O.** Morbid anatomy of chronic otitis media. Brit. M. J., 1942, **2**: 71.—**McGuckin, F.** Chronic otitis media. J. Lar. Otol., Lond., 1949, **63**: 328–36.—**Magauran, W. H. B.** Chronic otitis media. Med. Press, Lond., 1948, **220**: 69–71.—**Miyao, M.** Iwayuru mansei tyūzi-catarrh no kyōmi-aru dai ni rei [the second interesting case of the co-called chronic catarrh of the middle ear] Zibiinkoka rinsyo, 1942, **37**: 485, pl.—**Nakamura, H.** Man-sei tyūzi-en to ō-si-kan [chronic otitis media and the Eustachian tube] J. Hirosima M. Ass., 1949, **2**: 91–3.—**Riccabona, A.** Zur Pathogenese der chronischen Mittelohrentzündung. Mschr. Ohrenh., Wien, 1949, **83**: 367.—**Rokusima, T.** Nippon seki-zyūzi-sya Sizuoka-sibu Byōin ni okeru iwayuru man-sei sinsyutu-sei tyūzien no tōkeiteki narabi-ni rinsyō-teki kansatu [statistische Beobachtungen über den sog. chronischen exsudativen Mittelohrkatarrh im Roten Kreuzhospital zu Sizuoka] Otorhinolaryngologia, Tokyo, 1939, **12**: 929–38.—**Rucker, R. W.** Chronic otitis media. J. Oklahoma M. Ass., 1941, **34**: 144–7.—**Rüedi.** Ueber die Entstehung der chronischen Mittelohrentzündung. Praxis, Bern, 1942, **31**: 689.—**Unger, M.** Chronic otitis was once an acute otitis. Med. World, 1945, **63**: 11–5.—**Wilkins, E. H.** Should chronic otitis media be notifiable? Med. Off., Lond., 1943, **69**: 15.

—— chronic: Surgery.

See also subdivision Surgery.

Alonso, J. M. Les indications de la chirurgie conservatrice dans l'otite chronique. Rev. laryng,. Bord., 1940, **61**: 345–73.—**Bockstein, F. S.** Die Radikaloperation durch den Gehörgang bei chronischen Otitiden. Mschr. Ohrenh., Wien, 1935, **69**: 776–99.—**Latorre Agüero, A.** La cirugía endopreauricular en el tratamiento de las otitis medias crónicas. Rev. otorrinolar. (Chile) 1947, **7**: 57–70.—**Lodge, W. O.** An operation for chronic otitis media. J. Lar. Otol., Lond., 1941, **56**: 327, 2 pl. ——— Preventive treatment of chronic otitis media and surgical approach via the cavum conchae. Ibid., 1943, **58**: 243–50, pl. ——— Operative treatment of chronic otitis media. Ibid., 1945, **60**: 315–22, 5 pl.—**Olaison, F.** Om operationsindikationerna vid den kroniska otiten. Nord. med. tskr., 1933, **5**: 591; 727.—**Varga, G.** Az idült középfülgyulladás sebészi therápiája. Otorhinolar. danub., 1947, **1**: 91–102.

—— chronic: Treatment.

Carpentier, P. *Les irradiations générales ultra-violettes dans le traitement des otites chroniques chez l'enfant. 55p. 8° Par., 1927.

Poncelet, M. *L'ionisation dans le traitement des otites chroniques et des laryngites; étude comparative des résultats. 114p. 8° Par., 1935.

Aagesen, W. J. Penicillin in chronic otitis media. Arch. Otolar., Chic., 1949, **50**: 716–23.—**Alekseev, D. T.** Lechenie khronicheskikh gnoinykh otitov v usloviiakh stroevoi chasti. Voen. san. delo, 1940, No. 8, 52–6.—**Angyal, F.** [Chronic otitis media; cure resulting in a natural radical cavity] Budapesti orv. ujs., 1940, **38**: 556.—**Babbit, J. A.** The treatment of chronic middle ear infection. Laryngoscope, 1932, **42**: 594–609.—**Banham, T. M.** The treatment of chronic otitis media. J. Lar. Otol., Lond., 1945, **60**: 307–14. ——— Modern treatment of chronic otitis media in adults. Med. Press, Lond., 1949, **222**: 577–82.—**Bondy, G.** Die Behandlung der chronischen Mittelohrentzündung. Wien. klin. Wschr., 1933, **46**: 1390–3. Also Aerztl. Prax., Wien, 1934, **8**: 17–21.—**Calvet, J., Claux, J.,** & **Bonafous, J.** L'action de la pénicilline dans les otites chroniques. Otorhinolar. internat., Lyon, 1947, **31**: 237. Also Toulouse méd., 1948, **49**: 280.—**Corrêa Netto, O.** Algumas considerações sobre a Souvironterapia e aplicações correlatas. Rev. brasil. otorinolar., 1947, **15**: 122–8.—**Cristiani, M.** La penicillina idro-alcoolica nella terapia locale delle otiti croniche e nel trattamento delle radicali. Minerva med., Tor., 1948, **39**: 259.—**Dohlman** [Chronic otitis and its treatment] Lunds läk. säll. förh., 1932–33, 48–67. Also Nord. med., 1943, **20**: 2236–8.—**Franquet** & **Landry.** L'ionisation dans les otites chroniques non suppurées. Ann. mal. oreille, 1928, **47**: 47–9.—**Goodyear, H. M.** Modern treatment of chronic catarrhal otitis media, or slow progressive deafness. Ohio M. J., 1924, **20**: 220–4.—**Guttman, J.** A new instrument for the treatment of chronic catarrhal otitis media with superheated air. Arch. Otolar., Chic., 1926, **3**: 453–5.—**Honzyō, S.** Mansei tyūzicatarrh no tyō-tanpa ryōhō [ultra-short wave treatment ...] Zibiinkoka rinsyo, 1942, **37**: 464–9.—**Ibbotson, W.** The treatment of chronic tympanico-mastoid disease in children and adolescents. Med. World, Lond., 1948–49, **69**: 231–5.—**Jakabfi, I., & Kocsár, L.** Penicillin a chronikus otitisek és radicalis üregek gyógykezelésében. Otorhinolar. danub., 1948–49, **2**: 201–5.—**Johnston, C. M.** The treatment of chronic otitis media. J. Lar. Otol., Lond., 1945, **60**: 303–6.—**Kennedy, R. L., & Boland, J. W.** Penicillin in chronic ear disease. Brit. M. J., 1946, **1**: 13.—**Kotyza, F.** [Treatment of chronic otitis of the middle ear and post-operative states with alcohol and combination of boric acid and iodine] Cas. lék. česk., 1939, **78**: 510–3.—**Landry, M.** Behandlung der chronischen, nichteitrigen Ohrenentzündungen mittels der Dielektrolyse in Verbindung mit der Hochfrequenz. Zschr. Hals &c. Heilk., 1936–37, **40**: 673–6. ——— L'ionothérapie dans les otites chroniques; acquisitions récentes et résultates. Otorhinolar. internat., Lyon, 1941, **25**: 65–9.—**Malherbe, A.** Traitement des affections chroniques non suppurées de l'oreille moyenne par la galvanisation tubo-tympanique. Ann. électrob., Lille, 1906, **9**: 88–93.—**Marinelli, P.** I sulfamidici in polvere nella terapia della otorree croniche; ricerche clinico-batteriologiche. Atti Clin. otolar. Napoli (1942–43) 1943, **16**: 159–78.—**Mathieu, C. T.** La diathermie dans les otites catarrhales chroniques. Union méd. Canada, 1943, **72**: 404.—**Mayer, O., & Riccabona, A. v.** Ueber die Ursache und Behandlung der chronischen Mittelohreiterung ohne Cholesteatom. Arch. Ohr. &c. Heilk., 1942, **151**: 189–96.—**Mertins, P. S., jr.** Use of urea in treatment of chronic otitis media. Arch. Otolar., Chic., 1937, **26**: 509–13.—**Mollison, W. M.** The treatment of chronic catarrhal otitis media (excluding otosclerosis) and of deafness and dry suppurative otitis media. J. Lar. Otol., Lond., 1934, **49**: 516–32.—**Neville, W. S. T.** Treatment of chronic otitis media Brit. M. J., 1945, **1**: 594.—**Pitman, L. K.** A suggestion regarding the treatment of conditions ordinarily included under chronic catarrhal otitis media. Arch. Otolar., Chic., 1928, **8**: 70–4.—**Prenn, J.** Penicillin instillations in chronic otitis media and sinus infections; clinical appraisal, preliminary report. Med. Rec., N. Y., 1945, **158**: 741.—**Rejtő, S.** [Present status of treatment of chronic otitis media] Budapesti orv. ujs., 1937, **35**: 481–6.—**Scharfstein, M.** Spuman-Therapie der chronischen Otitiden. Mschr. Ohrenh., Wien, 1933, **67**: 978–81.—**Shemeley, W. G.** The treatment of chronic catarrhal otitis media. J. Ophth. Otol., 1927, **31**: 261–7.—**Tolosa, E. E.** El tratamiento de las otitis medias crónicas por la ionización de zinc. An. Fac. cienc. méd. La Plata, 1942, **8**: 147–57.—**Tremble, G. E.** The use of urea and caroid in chronic otitis media. Canad. M. Ass. J., 1939, **40**: 149–53.—**Tuda, S., Huzimori, Y.** [et al.] Man-sei tyūzien no hozon-teki ryōhō [preservative treatment of chronic otitis media] Jap. M. J. (w.) 1949, 22–30.—**Udvarhelyi, K.** [Chronic otitis media and its treatment] Orv. hetil., 1933, **77**: 176–9.—**Vanstane, V. R.** Some uses of picratol with special reference to chronic otitis media. Illinois M. J., 1933, **63**: 168–72. ——— Supplementary report. Ibid., 1939, **75**: 444–6.—**Wilkerson, W. W., jr, Cayce, L. F., & Ivie, J. M.** The use of radium in the middle ear for selected cases of chronic otitis media. Laryngoscope, 1949, **59**: 1248–54.—**Yocom, A. L., jr.** X-ray treatment of chronic otitis media. Med. Herald, 1925, **44**: 268.—**Záviška, P., & Cársky, K.** [Bacillus bulgaricus cultures in treatment of chronic otitis] Bratisl. lek. listy, 1927–28, **7**: 323–7.

—— Classification and nomenclature.

See also subdivision Pathology.

Beltrán, R. C. Sobre una nueva clasificación de las otitis medias. Clin. laborat., Zaragoza, 1931, **17**: 27–31.—**Errecart, P. L.** Bases para una clasificación de las otitis medias. Prensa méd. argent., 1946, **33**: 801–7.—**Linck, A.** Inwieweit entsprechen die Begriffe Otitis media und Mastoiditis unseren heutigen Anschauungen und den Anforderungen einer klaren, zweckmässigen Krankheitsbezeichnung? Arch. Ohr. &c. Heilk., 1931, **129**: 181–206.—**Mangabeira-Albernaz, P.** Um problema de terminologia otologica; otite sêca, otite adesiva, otite cicatricial. Rev. brasil. otorinolar., 1945, **13**: 209–15.—**Podesta, R.** Sobre las tituladas oto-mastoiditis; una impropia denominación usual en otología. Rev. As. méd. argent., 1933, **46**: 3199–203.—**Thornval, A.** Description of the different otites with the aid of an easily surveyable scheme. Acta otolar., Helsin., 1944, Suppl. 51, 259–73.—**Uffenorde, W.** Zur Nomenklatur und Einteilung der nicht spezifischen Mittelohrentzündung. Arch. Ohr. &c. Heilk., 1926, **115**: 83–104.—**Vahldieck, W.** Ist die Unterscheidung in akute mesotympanale, epitympanale und retrotympanale Otitis media berechtigt? Ibid., 1933–34, **137**: 187–97.

—— Clinical aspect.

See also other subdivisions (latent; Manifestation; masked, etc.)

Richter, H. Die entzündlichen Erkrankungen des Mittelohres; eine Darstellung für den Dienst am Kranken. 2. Aufl. 92p. 25cm. Lpz., 1947.

Borries, G. V. T. [Otitis media in general practice] Ugeskr. laeger, 1937, **99**: 541–7.—**Keeler, C. J.** Middle ear infection and its clinical significance as observed by the family physician. J. M. Soc. N. Jersey, 1925, **22**: 13–7.—**Lewis, W. W.** Inflammatory affections of the middle ear; a responsibility of the general practitioner. J. Lancet, 1926, **46**: 428–33.—**Mitermaier, R.** Ueber den Verlauf der entzündlichen Erkrankungen des Mittelohres. Deut. med. Wschr., 1944, **70**: 38–41.—**Nathanson, A. M.** [Clinical-anatomical parallels in infectious otitis] J. ushn. nosov. gorlov. bolez., 1940, **17**: 279–83.—**Panse, K.** A case of otitis media. Antiseptic, Madras, 1948, **45**: 414.—**Sellers, L. M.** Clinico-pathological observations of otitis media and paratympanitis. Ann. Otol. Rhinol., 1937, **46**: 1074–95.—**Strohmenger, W. L.** Case report. J. Med., Cincin., 1939–40, **20**: 490.—**Watson, O. A.** Otitis media. J. Oklahoma M. Ass., 1945, **38**: 93–6.

—— Clostridium infection.

See also subdivision Bacteriology.

Oda, D. Zyō-kositu yori zenpō ni hattatu-seru ganki-hōka ni tai-suru syoti ni tuite [the treatment of gas phlegmon developing anteriorly from the epitympanic cavity] Zibiinkoka rinsyo, 1940, **35**: 871–86.

—— Colon-bacillus infection.

See also other subdivisions (Bacteriology; Sepsis)

Charousek, G. Ueber die Koliinfektion des Mittelohres. Med. Klin., Berl., 1925, **21**: 15–7.—**Druss, J. G.** Otitic sepsis due to the colon bacillus. Arch. Otolar., Chic., 1947, **45**: 687–92.

—— Complications.

See also subdivisions (acute: Complication; Prognosis; suppurative: Complication) also **Middle ear,** Polyp.

Maspétiol, R. *Les suppurations exocrâniennes d'origine otitique. 101p. 8° Par., 1937.

Aboulker, H. Les complications silencieuses des otites. Presse méd., 1925, **33**: 1059–61. ——— Notions générales sur les otites et leurs complications. Gaz. hôp., 1936, **109**: 799; 833.—**Alonso, J. M.** Complicaciones de las otitis y de las mastoiditis. Arch. urug. med., 1942, **21**: 449–69.—**Beek, T. J. A. C. M. v.** Eenige verwikkelingen bij middenoorontsteking. Ned. tschr. geneesk., 1938, **82**: pt 2, 2754–6.—**Brock, W.** Ueber die Entstehung der Komplikationen bei den akuten und chronischen Mittelohreiterungen. Münch. med. Wschr., 1931, **78**: 795; 838.—**Burns, C. C.** Complications of tympanic inflammation. Tristate M. J., 1936–37, **9**: 1723; 1731.—**Campbell, E. H.** Complications of otitis media and mastoiditis. Ann. Otol. Rhinol., 1929, **38**: 209–41.—**Colledge, L.** A case of otitis media with complications. J. Lar. Otol., Lond., 1933, **48**: 546.—**Daily, L., & Dean, J. L.,** jr. Complications of chronic otitis media; report of a case. Texas J. M., 1944–45, **40**: 590–3.—**Dowling, J. T.** Otitis media; its complications and treatment. Tr. Pacific Coast Oto-Ophth. Soc., 1928, **16**: 44–53.—**Duntze.** Considérations sur les complications graves des otites suppurées aiguës. Arch. internat. laryng., Par., 1929, **35**: 1072–6.—**Dysart, B. R.** Otitis media and complications. Arch. Otolar., Chic., 1944, **39**: 87; passim.—**Fontana, L.** Sopra un caso di complicanza auricolare a decorso insolito. Valsalva, 1933, **9**: 624–30.—**Fowler, E. P., jr.** Otitis media and its extensions. Bull. N. York Acad. M., 1940, **16**: 24–37.—**Galcsik, B.** Cases of spontaneous sinus rupture in the course of infectious ear disease. Acta otolar., Stockh., 1939, **27**: 441.—**Gilse, P. H. G. v.** Aan de grens van het uithoudingsvermogen door talrijke verwikkelingen bij chronische otitis media. Ned. tschr. geneesk., 1941, **85**: 3737–42.—**Gross, J. C.** Las complicaciones de las otitis medias. Vida nueva, Habana, 1941, **47**: 383–91.—**Hesse, W.** Ist das Auftreten von Komplikationen im Anschluss an akute Mittelohrentzündungen

bakteriologisch oder anatomisch bedingt? Arch. Ohr. &c. Heilk., 1925, **113**: 156–75.—**Kopetzky, S. J.** Otitic complications as they occur in everyday otology. Pennsylvania M. J., 1933, **36**: 739–47.—**Love, A. A.** Complications of otitis media without rupture of the membrana tympani. Arch. Otolar., Chic., 1933, **17**: 297–310.—**Martín Vila, A.** Las complicaciones silenciosas de las otitis. Notic. méd. espan., 1948, 8: No. 166, 19.—**Otitis** media y sus complicaciones. Vida nueva, Habana, 1941, **47**: 363.—**Reuben, M. S.** Otitic complications. Arch. Pediat., N. Y., 1930, **47**: 88–112.—**Richards, L. G.** Otogenic complications; a résumé and discussion of the literature for 1938; 1941. Laryngoscope, 1939, **49**: 739; 1942, **52**: 745.—**Sargnon, A.** La curabilité des complications graves multiples des mastoïdites. Otorhinolar. internat., Lyon, 1922, **6**: 497–508, pl.—**Schlander, E.** Infektiöse Erkrankungen des Mittelohres und ihre Komplikationen. Wien. klin. Wschr., 1947, **59**: 661–5.—**Stamatiu, C.** Contribuţiuni la studiul complicaţiunilor grave chirurgicale ale otitelor medii supurate. Rev. chir., Bucur., 1934, **37**: 726–42.—**Steele, F. H.** Complications of chronic otitis media with case report. Bull. Toronto East M. Ass., 1948, **12**: No. 12 [3–7]—**Thévoz, E.** A propos des otites, de leurs dangers et de leurs traitements. Rev. méd. Suisse rom., 1932, **52**: 585–609.—**Thorburn, I. B.** The early recognition of complications of otitic infection. Clin. J., Lond., 1945, **74**: 57–61.—**Tvermoes, V.** Hyppigheden af otiterne og deres komplikationer. Nord. med. tskr., 1934, **7**: 467.—**Williams, I. G.** Otitis media and some of its complications. Middlesex Hosp. J., 1933, **209**: 104–12.—**Woodson, B.** An evaluation of some early otogenic complications. South. M. J., 1943, **36**: 486–8.

—— Complications, intracranial.

See subdivision Cranium.

—— Complications: Prevention and treatment.

Richter, H. Die Verhütung lebensgefährlicher Komplikationen der entzündlichen Erkrankungen des Mittelohres. 2. Aufl. 80p. 24cm. Lpz., 1947.

Forms H. 4, Hals Nasen & Ohrenh.

Covili-Faggioli, G. La proteinoterapia aspecifica nel trattamento delle complicanze otitiche. Valsalva, 1926, **2**: 358–60.—**Dowling, J. T.** Otitis media; its complications, management and treatment. Northwest M., 1928, **27**: 472–4. Also Eye Ear &c. Month., 1929, **8**: 4–13.—**Hayes, M. B., & Hall, C. F.** A newer concept of the management of otogenic infection. Arch. Otolar., Chic., 1948, **47**: 289–302.—**Kahler, O.** Akut bedrohliche Zustände bei Otitis media. Zschr. ärztl. Fortbild., 1944, **41**: 49–54.—**Koebbe, E. E., & Potter, J. J.** Complications of otitis media and their treatment. Arch. Otolar., Chic., 1944, **40**: 382–4.—**Koenigsberger, E., & Mussliner, S.** Zur Klinik und Therapie der Komplikationen kindlicher Mittelohrerkrankungen. Klin. Wschr., 1930, **9**: 824; 875.—**Lüscher, E., & Iselin, H.** Die Wirksamkeit der Sulfonamide in der Verhütung und Behandlung schwerer akuter Mittelohrentzündungen, der Mastoiditis und der intrakraniellen Komplikationen. Schweiz. med. Wschr., 1947, **77**: 133–9.—**Rubin, H. G., Sanger, W. W., & McBean, J. B.** Otitic complications and the sulfonamides. Ohio M. J., 1943, **39**: 125–7.—**Tondo, F.** Otite media acuta, cronica e complicanze. Studium, Nap., 1929, **19**: 71–3.—**Treer, J.** [Inflammation of the middle ear, complications and treatment] Orv. hetil., 1931, **75**: 273–7.—**Whitaker, J. G.** Complicações das otites; symptomatologia; tratamento médico-cirúrgico e sua technica. São Paulo med., 1936–37, **9**: 89–105.—**Xirau, J.** Terapéutica quirúrgica y sulfamidada en dos casos de complicaciones endocraneales otógenas. Vida nueva, Habana, 1943, **52**: 264–71.

—— Contagiousness.

See also subdivision Notification.

Bernheim, Mayoux, R., & Martin, H. De la notion de contagion dans l'antro-mastoïdite du nourrisson; histoire d'une crèche. Lyon méd., 1946, **176**: 92–4.—**Lermoyez, M.** La contagion des otites moyennes aiguës. Ann. mal. orcille, **48**: 549–51.

—— Corynebacterium infection.

See also subdivision Diphtheria.

Rosa, A. Sulla frequenza dei corynebacteri nel condotto uditivo esterno in soggetti normali ed in otitici. Gior. batt. immun., 1949, **41**: 212–7.

—— Cranium [incl. intracranial disorders]

See also subdivisions (Complications; Musculoskeletal system)

Haege, E. *Ueber endokranielle Verwicklungen infolge akuter Mittelohrentzündung bei Residuen. 23p. 20½cm. Erlangen, 1937.

Le Gal, G. L. *Complications centrales aiguës des otites; conduite du diagnostic et traitement. 79p. 24cm. Par., 1944.

Schönholzer, A. *Ueber die endocraniellen Komplikationen der Mittelohrentzündungen [Bern] [48]p. 24cm. Basel, 1943.

Also Pract. otorhinolar., Basel, 1943, **5**: 113; 194.

Alonso, J. M. Complicaciones endocraneanas de las otitis medias supuradas. Rev. otoneur., B. Air., 1935, **10**: 293–303.—**Andrew, F.** Intracranial suppuration of otitic origin. Med. J. Australia, 1924, **1**: Suppl., 377–9.—**Aubriot.** A propos d'un cas d'ostéomyélite à distance, avec complications endocrâniennes, consécutive à une otorrhée chronique. Rev. laryng., Par., 1926, **47**: 268–72.—**Barnhill, J. F.** The diagnosis of intracranial complications of suppurative ear disease. Tr. Am. M. Ass., Sect. Laryng. Otol., 1905, **56**: 113–22.—**Bergara, R. A., & Bergara, C.** Importancia de los pequeños síntomas en el diagnóstico precoz de las complicaciones endocraneanas de las otitis. Sem. méd., B. Air., 1935, **42**: pt 2, 1984–7.—**Bokstein, F. S.** Diagnosticheskie oshibki pri otogennykh vnutricherepnykh oslozhneniiakh. Sovet. med., 1949, **13**: No. 8, 18.—**Brühl, G.** Intrakranielle Komplikationen bei Eiterungen mit zentralen Durchlöcherungen. Zschr. Hals. &c. Heilk., 1928, **21**: 69–76.—**Cheng, Y. L.** Intracranial complications of suppurative middle ear diseasc; a report of eight cases. China M. J., 1929, **43**: 1064–86.—**Cheval.** Deux cas de complications endocrâniennes de la pyotite. Bull. Soc. belge otol., 1904, **9**: 108–10.—**Clay, J. V. F.** Chronic suppurative otitis media and its intracranial complications. J. Am. Inst. Homeop., 1935, **28**: 216–8.—**Collins, E. G.** Unusual intracranial complications of otitic origin; report of three cases. J. Lar. Otol., Lond., 1945, **60**: 56–67.—**Courville, C. B., & Nielsen, J. M.** Fatal complications of otitis media, with particular reference to the intracranial lesions in a series of ten thousand autopsies. Arch. Otolar., Chic., 1934, **19**: 451–501. ——— Intracranial complications of otitis media and mastoiditis; statistical study with survey of 10,000 necropsies. Acta otolar., Stockh., 1934–35, **21**: 19–60. ——— Syndromes indicative of benign intracranial complications of otitis media and mastoiditis. Bull. Los Angeles Neur. Soc., 1940, **5**: 202–9.—**Cousteau, J.** Phlegmon sous-occipital d'origine mastoïdienne avec périphlébite du sinus latéral et pachyméningite cérébelleuse sans troubles auriculaires antérieurs. Otorhinolar. internat., Lyon, 1918, 6. année, 737–40.—**Davis, E. D. D.** Discussion; treatment of endocranial complications of otitic origin. Proc. R. Soc. M., Lond., 1944–45, **38**: 421–30.—**Dinolt, R.** Value of encephalography in the diagnosis of otogenic intracranial complications. Arch. Otolar., Chic., 1940, **31**: 431–6.—**Duel, A. B.** Symptoms of intracranial complications of purulent otitis. Tr. Am. M. Ass., Sect. Laryng. Otol., 1909, 136–51.—**Duensing, F., & Kirstein, R.** Hirnelektrische Befunde bei otogenen endokraniellen Komplikationen. Nervenarzt, 1949, **20**: 20–6.—**Fallas.** Nouvelle contribution à l'étude de la formule hématologique dans les complications endocrâniennes des otites moyennes purulentes. Bull. Soc. belge otol., 1908–09, **14**: 121–7.—**Fenton, R. A.** Intracranial complications of chronic suppurative otitis media, as seen by the ophthalmologist. Am. J. Ophth., 1926, 3. ser., **9**: 321–32.—**Fraser, J. S., & Halliday, G. C.** Report upon 891 consecutive cases of acute middle-ear suppuration and mastoiditis with intracranial complications in 139 cases during the period 1920–34. J. Lar. Otol., Lond., 1936, **51**: 619–30.—**Friesner, I., & Druss, J. G.** Intracranial complications of otitic origin. Tr. Am. Otol. Soc., 1931, **21**: 120–43. Also Arch. Otolar., Chic., 1932, **15**: 356–67.—**Grangé, L.** La ponction lombaire dans les complications endocrâniennes des otites. Rev. laryng., Par., 1932, **53**: 310–38.—**Halsted, T. H.** The importance of early differential diagnosis of the intracranial complication of middle ear inflammation. N. York State J. M., 1924, **24**: 831–7.—**Haymann, L.** Ueber endokranicIle Komplikationen bei Eiterungen des Mittelohres und der Nasennebenhöhlen. Münch. med. Wschr., 1932, **79**: 781; 874.—**Hohlbrugger, H.** Ueber leukozytäres Blutbild und Senkungsgeschwindigkeit der roten Blutkörperchen in ihrer diagnostischen Verwertbarkeit bei otogenen endokraniellen Komplikationen (nebst vergleichenden Untersuchungen bei akuten und chronischen Mittelohrentzündungen) Mschr. Ohrenh., Wien, 1947, **81**: 324; 397; 440.—**Horowitz, S.** Otogenic intracranial hypertension. J. Lar. Otol., Lond., 1949, **63**: 363–81.—**Jakabfi, I.** Beitrag zur Rolle des Penicillin in der Therapie otogener intrakranieller Infektionen. Klin. Med., Wien, 1947, **2**: 78–83.—**Jankowski, W.** [Intracranial complications in otitis media] Polska gaz. lek., 1938, **17**: 519; 549; 568.—**Kecht, B.** Ueber endokranielle Komplikationen bei chronischer mesotympanaler Otitis; zugleich ein Beitrag zur Kenntnis des otogenen retrolabyrinthären Symptomenkomplexes. Acta otolar., Stockh., 1947, **35**: 180–210. Also Mschr. Ohrenh., Wien, 1948, **82**: 49–73.—**Kindler, W.** Zur Frage der Erkennung endokranieller Erkrankungen als otogene Komplikationen bei chronischer Mittelohreiterung mit harmlosem Ohrbefund. Beitr. Anat. Ohr., 1930, **28**: 66–76.—**Kowatscheff, L.** Intrakranielle Komplikationen der akuten Otitis im Röntgenbilde. Zschr. Hals &c. Heilk., 1941–43, **48**: 236–59.—**Krejci, F.** Zur Pathologie der Virchow-Robin'schen Räume bei den otitischen endokraniellen Komplikationen. Mschr. Ohrenh., Wien, 1949, **83**: 258–64.—**Lorenz, H.** Beitrag zu den intrakraniellen Verwicklungen nach Mittelohrentzündung und Granatsplitterverletzung bei gleichzeitiger Sulfonamidtherapie. Ibid., 1944, 78: 193–204.—**Lüscher, E.** Zur Mitteilung, über die endocraniellen Komplikationen der Mittelohrentzündungen, von Anna Schönholzer. Pract. otorhinolar., Basel, 1943, **5**: 213.—**McArthur, G. A. D.**

Some intracranial complications of otitis media. Med. J. Australia, 1928, 2: 558–60.—**McConnell, A. A.** Non-suppurative intracranial complications of otitis media. Brit. M. J., 1937, 2: 659.—**McGuckin, F.** Intracranial complications of suppurative otitis media. Newcastle M. J., 1931, 12: 31–8.—**Martinaud, G.** Traitement médical chirurgical des complications crâniennes des otites. Rev. ouïe, 1948, 25: 8; passim.—**Miroir & Piette.** Complications intracrâniennes des otites et des sinusites traitées par la pénicilline. Acta otorhinolar., Brux., 1947, 1: 399–408.—**Ninger, F.** [Atlanto-occipital osteomyelitis as complication of otitis media] Cas. lék. česk., 1936, 75: 1296.—**Olavarría, L. de.** Signos físicos oftálmicos en las complicaciones intracraneales de origen otítico. Libro de actas Congr. nac. otorinolar., Madr., 1912, 4. Congr., 472–8.—**Oppikofer, E.** Zur Diagnose der otogenen endokraniellen Komplikationen. Schweiz. med. Wschr., 1948, 78: 468.—**Otte, Pastur & Emhart.** Complicaciones intracraneales de las otitis medias supuradas. Arch. Hosp. niños, Santiago, 1947, 15: 42–5.—**Poirier, G. H., White, L. E.** [et al.] Acute suppurative otitis media on the left, with mastoiditis and osteomyelitis of the skull. Arch. Otolar., Chic., 1940, 31: 553–5.—**Prada y Vizmanos, E.** Algunas complicaciones endocraneanas de las otitis, y dificultades diagnósticas a que puede dar lugar el empleo a ciegas de las sulfamidas y de la penicilina. Medicamenta, Madr., 1948, 6: 311–3.—**Richter, H.** Ueber endokranielle Komplikationen bei mesotympanaler chronischer Mittelohreiterung. Arch. Ohr. &c. Heilk., 1929, 120: 194–210.—**Rott, O. M.** A method of procedure in the diagnosis of otitic intracranial complications. Tr. Pacific Coast Oto Ophth. Soc., 1939, 27. meet., 81–94. Also Northwest M., 1940, 39: 92–5.—**Sadowski, N.** Intrakranielle Komplikationen bei einfachen, harmlosen chronischen Mittelohreiterungen mit zentraler Perforation. Zschr. Hals. &c. Heilk., 1931–32, 30: 590–4.—**Secondi, U., & Martelli, F.** Sulle alterazioni endocraniche tardive di derivazione oto-mastoidea. Atti Clin. otorin. Roma (1943–47) 1948, 7: 301–26.—**Shuster, B. H.** A case of chronic purulent otitis media with several intracranial complications. Laryngoscope, 1925, 35: 680–6. ——— Intracranial complications of otitic origin, with reference to diagnosis and management. Ibid., 1927, 37: 897–919.—**Stern, K.** Ergebnisse der Blutübertragung bei endokraniellen Verwicklungen akuter und chronischer Mittelohrentzündungen. Zschr. Hals &c. Heilk., 1941–43, 48: 297–301.—**Suma** [Osteomyelitis of skull following otitis] Cas. lék. česk., 1925, 64: 166–74.—**Tomás Alvaro, L. G.** Consideraciones sobre un caso de complicación endocraneana de origen ótico, con compresión cerebral compensada. An. med., Barcel., 1947, 34: 219.—**Urbantschitsch, E.** Ueber atypische Blutbefunde bei otogenen intrakraniellen Komplikationen. Mschr. Ohrenh., Wien, 1927, 61: 464–79.—**Vila Abadal, L.** Diagnóstico diferencial de las complicaciones endocraneanas de las otitis medias supuradas. Rev. méd. Barcelona, 1926, 2. ser., 6: 18–31.—**Waar, C. A. H.** Penicilline bij otogene intracranieele complicatie. Ned. tschr. geneesk., 1946, 90: 1410–2. Also Acta otorhinolar., Brux., 1947, 1: 83.—**Wagner, K.** [Otogenous intracranial complications] Orv. hetil., 1930, 74: 648–50.—**Warren, W. C., jr.** Intracranial complications in purulent otitis media. Arch. Surg., 1929, 18: 1552–61.—**Whale, H. L.** Otitic intracranial infection. Brit. M. J., 1925, 1: 920.—**Wharry, H. M.** Three cases of middle-ear disease with intracranial complications. Ibid., 1926, 1: 85–7.—**Wiegmann, F.** Akute und chronische Mittelohreiterung mit endokraniellen Komplikationen in wechselseitiger Beziehung zur Schwangerschaft. Zschr. Laryng., 1933, 24: 115–25.—**Wright, C. D. A.** A study of the deeper cranial infections resulting from otitis media and mastoiditis. Internat. J. M. & S., 1931, 44: 105–20.

—— Deafness.

See also subheading Hearing; also **Middle ear, Sound conduction: Deafness; Middle-ear drumhead,** Rupture.

Babbitt, J. A. Relation of infection in the middle ear to deafness. Arch. Otolar., Chic., 1941, 33: 1106.—**Beaudoux, H. A.** Permanent perforations of the membrana tympani and chronic middle ear suppuration, a critical study, with suggestions for improvement of partial or total deafness. Eye Ear &c. Month., 1934, 13: 161–5.—**Cherian, P. V.** Deafness and mastoid disease. Antiseptic, Madras, 1933, 30: 360–5.—**Cipolloni, S.** Otite catarrale ed ipoacusia. Assist. san., Roma, 1935, 4: No. 3, Spec. ed., 1–3.—**Hughson, W.** Relief of deafness in chronically infected ears. Dis. Eye &c. Throat, 1942, 2: 258–66.—**Mandl, R.** Mit bedeutender Erhöhung der Schallperzeption geheilte Mittelohrentzündungen. Mschr. Ohrenh., Wien, 1927, 61: 363.—**Oaks, L. W., & Merrill, H. G.** A rational treatment of chronic progressive middle ear deafness. Laryngoscope, 1927, 37: 190–7.—**Snyder, W. S.** Catarrhal deafness. Kentucky M. J., 1946, 44: 272.—**Strum, F. P.** Observations on intra-labyrinthine pressure-balance, with special reference to the significance of signs of labyrinth deafness in cases of middle ear disease in children. J. Lar. Otol., Lond., 1925, 40: 178–85.

—— Dental aspect.

Bierman, H. R., & Brickman, I. W. The relationship of dental malocclusion to vacuum-otitis media and the use of dental splints during descent from altitudes. Ann. Otol. Rhinol., 1946, 55: 5–12.—**Brunetti, F.** Le otiti da dentizione. Stomatologia, Roma, 1931, 29: 22–8.—**Caboche, H.** Trois cas de névralgies dentaires au cours des otites moyennes suppurées; leur signification. Arch. internat. laryng., Par., 1925, 31: 513–9.

—— Diagnosis.

See also other subdivisions (acute: Diagnosis; false; infantile: Diagnosis; suppurative: Diagnosis)

Biehl, C. Diagnostische Irrtümer bei Mittelohrentzündung. Wien. med. Wschr., 1935, 85: 1090.—**Egmond, A. A. J. v.** [Diagnostic difficulties in lingering cases of inflammation of the middle ear] Ned. tschr. geneesk., 1935, 79: 525–32.—**Hand, R. F.** Diagnosis and treatment of acute and chronic middle-ear infection. J. R. Nav. M. Serv., 1945, 31: 18–23.—**Jay, H. M.** Aspiration through the tympanic membrane. J. Lar. Otol., Lond., 1940, 55: 385.—**Lemperg, F.** Ein diagnostisch-anatomischer Beitrag zur Otitis media. Arch. klin. Chir., 1924, 131: 511–3.—**Müller, E.** Diagnose und Therapie der Mittelohrentzündungen. Deut. Gesundhwes., 1947, 2: 694–7.—**Nelson, R. F.** Exact diagnosis of otitis media. Arch. Otolar., Chic., 1943, 37: 810–2.—**Rüedi, L.** Diagnose und Therapie der Mittelohrentzündungen. Praxis, Bern, 1943, 32: 617–9.

—— Digestive system.

See also subdivisions (Complications; infantile: Dystrophy)

Acosta y Lara, V. R. Absceso del hígado, a neumócocos, consecutivo a otitis aguda. Arch. lat. amer. pediat., B. Air., 1927, 3. ser., 21: 302–4.

—— Diphtheria bacillus.

See also subheading Bacteriology; also **Diphtheria,** Ear.

Andrieu, J. B. De quelques cas de diphthérie de l'oreille moyenne et de la mastoïde. Ann. otolar., Par., 1947, 64: 273–82.—**Carrari, G. G.** Contributo allo studio batteriologico delle suppurazioni dell'orecchio medio (un particolare bacillo pseudodifterico) Arch. ital. otol., 1927, 38: 8–24.—**Chvojka, J.** L'importanza della paradifterite iperacida nelle otiti medie. Minerva med., Tor., 1948, 39: pt 2, 30–2.—**Filipo, D.** L'otite media acuta nei difterici. Policlinico, 1939, 45: 191–6.—**Katō, A., & Matumura, M.** Tyūzi-diphtheria ni kan-suru gigi; kanō-sei tyūzi-en bunpibutu-tyū ni okeru iwayuru rui-diphtheria-kin no biseibutugaku-teki kenkyū [doubtful points regarding otitis media diphtherica] Zibiinkoka rinsyo, 1940, 35: 19–27.—**Keller, W. F.** Diphtheria of the middle ear. J. Oklahoma M. Ass., 1941, 34: 519–21.—**Pierangeli, C. E.** Sulla presenza del Corynebacterium diphtheriae nel condotto uditivo di ammalati di otite media purulenta cronica. Valsalva, 1948, 24: 261–7.—**Poltev, K.** [Croupous otitis] Klin. med., Moskva, 1925, 6: 185.—**Riwoldt.** Zur Beurteilung des Nachweises von Diphtheriebacillen bei akuter und chronischer Otitis media auf Grund klinischer Beobachtungen. Zschr. Hals &c. Heilk., 1944, 50: 205–14.—**Rüter, E.** Ueber einen Fall von Otitis media diphtherica. Arch. Ohr. &c. Heilk., 1929–30, 124: 286–91.—**Satō, Y.** Tyūzi-diphtherie ni tuite. Nagasaki igakkai zassi, 1934, 12: 844–51.—**Schvouka, J.** Význam hyperacidní paradifterie při zánětech středoušních; studie bakteriologická a klinická. Sborn. lék., 1947, 49: 455–501.—**Theissing, G.** Zur Klinik der Mittelohrdiphtherie. Arch. Ohr. &c. Heilk., 1943–44, 153: 256–70.—**Urbantschitsch, E.** Ueber Mittelohrentzündung bei Diphtherie, Mittelohrdiphtherie und diphtheritische Mittelohrentzündung. Mschr. Ohrenh., Wien, 1931, 65: 775–804.—**Zoeller & Manoussakiss.** De la présence du bacille de Löffler dans certaines lésions de l'oreille moyenne. Bull. Soc. méd. mil. fr., 1924, 18: 382.

—— Diplococcus infection.

Baum, H. L. Pneumonic otitis media. Arch. Otolar., Chic., 1935, 21: 96.—**Bombelli, U.** Sulle meningo-otiti streptodiplococciche. Ann. laring., Tor., 1940, 40: 89–97.—**Carlens, E.** Serological studies of acute otitis with particular regard to non-specific capsular swelling of type 27 pneumococci. Acta otolar., Stockh., 1941, 29: 316–29.—**Dereux, J., & Buisine, A.** Méningite otitique à pneumocoque suivie d'encéphalite choréique et de polymyosite aiguë; guérison par les sulfamides et la pénicilline. J. sc. méd. Lille, 1948, 66: 575; 1949, 67: 189.—**Forschner, L.** Diplococcus lanceolatus as the cause of serous middle-ear catarrh. J. Lar. Otol., Lond., 1934, 49: 200.—**Hansen, B. R.** The pneumococcal types of middle ear suppurations. Acta otolar., Stockh., 1940, 28: 340–51.—**Herberts.** The bacteriology of pneumococcic otitis. Ibid., 1941, 29: 448–51.—**Lopes, O. de C.** Meningite otogena (pneumocócica) e tromboflebite do seio lateral de evolução acidentada. Rev. brasil. otorinolar., 1947, 15: 112–21.—**Mathiesen, H.** A case of otogenous pneumococcus sepsis cured by serum treatment. Acta otolar., Stockh., 1941, 29: 86.—**Modestini, M.** Due casi di meningo-otite da pneumococco guariti con cura associata sulfamido-penicillinica. Ann. laring., Tor., 1947, 46: 15–9.—**Moran, C. T.** Pneumococcus septicemia following a middle ear abscess. J. Kansas M. Soc., 1938, 39: 303.—**Nakamura, M.** Etude expérimentale sur l'inflammation

de l'organe de l'ouie provoquée par le diplocoque de la pneumonic. Fukuoka ikwadaigaku zassi, 1927, **20**: 51.—**Portmann, G., & Robin.** Quelques considérations sur la pénicillinothérapie intra-rachidienne dans la méningite otogène à pneumocoques. Rev. laryng., Bord., 1947, **68**: 508–13.—**Paul, J. R., & Wies, C. H.** Type I pneumococcus otitis media (a case report and discussion) Yale J. Biol., 1929–30, **2**: 437–42.—**Quirk, L. A.** Otitis media with pneumococcic meningitis, treated with sulfapyridine. Canad. M. Ass. J., 1940, **43**: 593.—**Ruttin, E.** Diplokokkenotitis mit Sinusthrombose und Diplokokkensepsis. Mschr. Ohrenh., Wien, 1925, **59**: 1319.—**Siemens, B. W. L.** [On pneumococcus types in acute otitis media] Ned. tschr. geneesk., 1939, **83**: 5405.

—— Diplococcus infection: Mucosus type.

See subdivision Mucosus type.

—— Discharge.

See also subdivisions (Bacteriology; Otorrhea)

Czeladzin, P. S. Eiteruntersuchungen auf Kalkgehalt bei eitrigen Knochenerkrankungen unter besonderer Berücksichtigung des Mittelohres. Mschr. Ohrenh., Wien, 1938, **72**: 185–96.—**Goedel & Kutscher.** Vergleichende Stickstoffuntersuchungen an Mittelohrsekreten bei akuter Otitis und beim Tubenmittelohrkatarrh. Zschr. Hals &c. Heilk., 1933, **34**: 265–79; Disc., 314–6.—**Hesse.** Supravitalfärbung von Sekretleukocyten bei akuten Mittelohreiterungen. Ibid., 1927–28, **18**: 377–82; Disc., 386.—**Koch, H.** Sekretundersökningar vid kroniska otiter. Nord. med., 1946, **31**: 2160–3.—**Löwy, K.** Ueber die Peroxydasereaktion des Ohreiters. Wien. med. Wschr., 1931, **81**: 1586.—**Maekawa, S., Hasimoto, T., & Satō, O.** Tyūzi tyōryū-eki no Ide-si hannō ni tuite [über die Idesche Reaktion des Mittelohrsekrets] Otorhinolaryngologia, Tokyo, 1943, **16**: 463–6.—**Mitchell, A. G., McCarthy, M. F.** [et al.] Otitis media and its relation to gastro-enteritis. J. Am. M. Ass., 1929, **92**: 970–4.—**Rejtö, S.** [Preoperative determination of the cholesterine index of pus and blood in otitis media] Orv. hetil., 1932, **76**: 735–7.—**Scovola, P.** Calcio, magnesio e fosforo nel pus di soggetti con affezioni infiammatorie acute dell'orecchio. Osp. maggiore, Milano, 1938, **26**: 366–8.—**Tanemura, T.** Ueber die Beziehungen zwischen der pH-Konzentration des Sekretes aus dem Mittelohr und den Entzündungserregern. Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 20.—**Watanabe, T.** Ueber das Fett in den neutrophilen Leukocyten des bei der Mittelohrentzündung abgesonderten Eiters. Zschr. Otorhinolar., Tokyo, 1938, **44**: 31. ——— Ueber den Glykogengehalt in den Leucocyten des Ausflusses bei Mittelohreiterung. Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 19.—**Zäh, K.** Exsudat oder Transsudat? zytologische und röntgenologische Untersuchungen. Hals &c. Arzt, Teil 1, 1936, **27**: 190–6.

—— dry.

See also subdivision (adhesive)

Bergonié & Roques, C. Traitement palliatif de l'otite sèche par les courants faradiques. C. rend. Ass. fr. avance. sc., 1906, **35**: 270.—**Durand, J.** Etiologie et signes de l'otite sèche de Lermoyez. Médicine, Par., 1925–26, **7**: 302. ——— Diagnostic et traitement de l'otite sèche de Lermoyez. Ibid., 1927, **8**: 302–5.—**Got & Pommez.** Le traitement hydro-minéral des otites sèches. J. méd. Bordeaux, 1924, **54**: 413–7. Also Presse therm. clim., 1924, **65**: 336.—**Hubin, E.** Considérations sur le traitement chirurgical des otites sèches. Liége méd., 1939, **32**: 423–6.—**Mesolella, V.** A proposito delle otiti secche diatesiche. Atti Clin. otolar. Napoli, 1939–41, **15**: 173–9.—**Roure, M.** De la dilatación de la trompa de Eustaquio en el tratamiento de las otitis medias secas; instrumentos. Bol. lar. otol., Madr., 1904, **4**: 431.

—— Empyema.

See also subdivision (suppurative)

Beck, K. Ueber mehrfache Empyeme bei der genuinen akuten Mittelohrentzündung. Hals &c. Arzt, Teil 1, 1936, **27**: 196–200.—**Scheibe, A.** Meine Lehre vom Empyem; Warnung vor der Bezeichnung Mastoiditis. Zschr. Hals &c. Heilk., 1926, **14**: 555–86.

—— Encephalitis [incl. myelitis]

See also subdivision Brain; also **Encephalitis, otitic; Hydrocephalus.**

Cavazzani, F. La mielite metastatica purulenta d'origine otitica. Atti Soc. med. chir. Padova, 1941, **19**: 215–8.—**Gerlings, P. G.** Metastatic brain abscesses and encephalitis of otitic origin. J. Lar. Otol., Lond., 1948, **62**: 525–32, incl. 2 pl.—**Hutton, T. B.** Response of observed otitic encephalitis to penicillin and chemotherapy. Ibid., 603–5.—**Larroudé, C.** Etio-patogenia e formas anátomo-patológicas das encefalites otogéneas. Amatus Lusitanus, Lisb., 1946, **5**: 289.—**Riccabona, A. v.** Otogene Meningitis, Encephalitis, Hirnabszess, Ventrikeleinbruch. Mschr. Ohrenh., Wien, 1948, **82**: 177–80.—**Richtnér, N. G.** On encephalitis otogenica localisata non suppurativa. Acta otolar., Stockh., 1947, **35**: 156–79.—**Rosenthal, S. R.** Hemorrhagic encephalitis following otitis media. In: Path. Conf. (Jaffé, R. H.) Chic., 1940, p. 278–80.

—— Enterococcus infection.

See also subdivision Streptococcus.

Fornari, G. B. Nuovo contributo allo studio delle suppurazioni timpaniche e complicanze da enterococco. Arch. ital. otol., 1936, **48**: 355–65.—**Piazza Missorici, A.** A proposito di un caso di otite media purulenta acuta da enterococco (ricerche sperimentali e considerazioni cliniche) Ibid., 1925, **36**: 555–70.

—— Epitympanitis.

See also **Middle-ear drumhead,** Bulging.

VAUTRIN, R. L. *Considérations sur l'attique. 58p. 8° Par., 1934.

Ciurlo, L. Contributo alla conoscenza delle epitimpaniti acute. Boll. mal. orecchio, 1937, **55**: 210–26.—**Garbini, C.** Sulle epitimpaniti acute. Otorinolar. ital., 1935, **5**: 169–78.—**Jobson, T. B.** Case of chronic suppurative otitis media of attic type; cessation of discharge after removal of outer attic wall by electrolysis. Proc. R. Soc. M., Lond., 1923–24, **17**: Sect. Otol., 79.—**Kerangal, Y. de.** Traitement des atticites chroniques par l'aérothermo-cupro-insufflation. Rev. laryng., Par., 1931, **52**: 556–62.—**Kōsokabe, H., & Hamaya, M.** Zyōkositu kanō-syō [purulent condition of the attic] Rinsyō no Nippon, 1936, **4**: 104–11.—**Ladyzhenskaia, E. A.** Ob ostrom negnoinom epitimpanite. Vest. otorinolar., 1948, 22–5.—**Lugli, G.** Considerazioni sopra un caso di osteite della parete esterna dell'attico. Valsalva, 1932, **8**: 595–603.—**Milligan, W.** Epitympanic suppuration. Practitioner, Lond., 1929, **123**: 97–102.—**Pages, R.** A propos d'une nouvelle observation d'atticite extériorisée. Ann. mal. oreille, 1928, **47**: 914–6.—**Peroni, A.** Le otiti acute epitimpaniche. Otorinolar. ital., 1932, **2**: 23–42.—**Perrone, P.** Contributo alla conoscenza delle celluliti squamose epitimpaniche. Valsalva, 1925, **1**: 41–9.—**Truffert & Pagès.** Les atticites extériorisées; contribution à l'étude des suppurations de la fosse temporale d'origine otique. Ann. mal. oreille, 1924, **43**: 664–82.—**Wardale, A.** The surgery of attic suppuration. N. Zealand M. J., 1947, **46**: 102–5.

—— Erysipelas.

Dixon, O. J. Erysipelas as a complication of early surgica l interference in mastoiditis. J. Missouri M. Ass., 1930, **27**: 530–3.—**Grossmann, F.** Weiteres über Otitis media erysipelatosa. Beitr. Anat. Ohr., 1925, **22**: 56–61.

—— Etiology.

See also other subdivisions (Bathing; Clostridium infection, etc.) also subheadings of **Middle ear** (Abnormity; Allergy; Helminthosis, etc.)

IANCOVICI, L. *Les causes les plus fréquentes des otites chez les enfants. 80p. 8° Par., 1935.

Alföldy, A. [Otitis from tampons] Orv. hetil., 1935, **79**: mell., 44.—**Baer, M.** Otite moyenne et vitamine C. Rev. laryng., Bord., 1938, **59**: 165–73. ——— Mittelohrentzündung und Ernährung. Mschr. Ohrenh., Wien, 1939, **73**: 266–74. Also Praxis, Bern, 1940, **29**: 33–5.—**Brewster, G. O.** The relation between otitis media and diseased teeth. Dent. Outlook, 1919, **6**: 208–10.—**Byford, H. T.** The danger in blowing the nose. Chicago M. Rec., 1927, **49**: 95.—**Claus, G.** Kohle-Compretten als Ursache einer akuten Mittelohrentzündung. Zschr. Hals &c. Heilk., 1928, **21**: 111–3.—**Gill, J. P.** Use of nasal inhalers as a possible cause of otitis media. Eye Ear &c. Month., 1946, **25**: 396.—**Haan, P. de.** Fenestratie en ontsteking van het middenoor. Ned. tschr. geneesk., 1949, **93**: 311.—**Hofhauser, J.** [Causes of otitis media due to colds] Orv. hetil., 1936, **80**: 987–90.—**Mahu, G.** De las mastoiditis en los casos de atresia del conducto auditivo. Bol. lar. otol., Madr., 1904, **4**: 416.—**Pinaud.** Otites et mastoïdites provoquées par le tamponnement postérieur des fosses nasales. Rev. laryng., Bord., 1935, **56**: 106–8.—**Rüedi, L.** Mittelohrraumentwicklung und Mittelohrentzündung. Zschr. Hals &c. Heilk., 1939, **45**: 175–213.—**Smith, D. T.** Causes and treatment of otitis media. Am. J. Dis. Child., 1924, **28**: 1–15.—**Tatibana, M.** Kyūsei nyūsi-tokkien wo zyakki-seru senten-sei gai-tyōdō heisa-syō no iti tiken rei. [treatment of congenital atresia of external auditory meatus which caused mastoiditis] Zibiinkoka rinsyo, 1941, **36**: 798.—**Teed, R. W.** A contribution of war experience to the etiology of otitis media. Tr. Am. Acad. Ophth. Otolar., 1948–49, **53**: 254–60.—**Thomas, C. H.** Otitis media following nasal syringing. Lancet, Lond., 1927, **2**: 413.—**Townsend, J. F.** The development of the ear and its relation to otitis media and mastoiditis. South. M. J., 1931, **24**: 402–6.—**Uffenorde, W.** Beziehungen zwischen Erkältungskrankheiten und Mittelohrentzündung. Deut. med. Wschr., 1940. **66**: 98–100.

—— Etiology: Acute infectious disease.

See also other subdivisions (Influenza; Scarlatina) also under names of acute infectious diseases as **Measles; Pertussis; Zoster,** etc.

Chavanne, F. Zona de l'oreille avec paralysie faciale, otomastoïdite concomitante. Lyon méd., 1933, **152**: 105.—

Emiliani, C. L. Le lesioni dell'orecchio medio negli herpes zoster della faccia. Gazz. osp., 1927, **48**: 486–8.—**Gowen, F. V.** The incidence of otitis in 15,000 acute exanthemata, with a report of the method of handling scarlet fever otitis-mastoiditis at the Philadelphia Hospital for Contagious Diseases. Laryngoscope, 1926, **36**: 799–805.—**Hernández, A.** Las otitis en las enfermedades infecciosas; síntesis de la clase dictada por el Dr. Carlos Mercandino en su servicio del Hospital Muñiz. Prensa méd. argent., 1945, **32**: 195–202.—**Howell, N. G.** The value of paracentesis in the acute specific fevers. Proc. R. Soc. M., Lond., 1933, **26**: 572–6.—**Kolesnikova, V. G.** [Microflora of otitis and mastoiditis in scarlet fever and measles] Tr. Nauch. issledov. inst. fiziol. Saratov, 1934, **1**: 401–6.—**Leroux-Robert, J.** Sur la fréquence et la gravité des oto-mastoïdites du nourrisson et de l'enfant au cours de la coqueluche. Bull. méd., Par., 1942, **56**: 329. ——— & **Ramaroni, J.** Les oto-mastoïdites du nourrisson et de l'enfant au cours des maladies contagieuses; fréquence; caractères et gravité selon la maladie en cause; bactériologie; note préliminaire sur l'action des sulfamides. Ann. otolar., Par., 1943, 35–43.—**Mayoux, Prost & Chavanne, H.** Zona otitique avec troubles vestibulaires persistants. Otorhinolar. internat., Lyon, 1942, **26**: No. 2, 37–40.—**Sarrouy, C., Combe & Nourredine.** Oto-mastoïdite, ulcérations trophiques de la bouche et laryngite au cours d'une rechute de fièvre typhoïde chez une enfant de trois ans. Algérie méd., 1946, 345–51.—**Schattner, A.** Symposium on the otological complications of the acute infectious (contagious) diseases; otological considerations; lantern slides. Laryngoscope, 1940, **50**: 32–47.—**Urbantschitsch, E. v.** Otogene intrakranielle Komplikationen bei Infektionskrankheiten. Mschr. Ohrenh., Wien, 1944, **78**: 425–52.

—— experimental.

See also subdivision Pathogenesis.

Cornet, P. Recherches expérimentales sur la pathogénie de l'otite moyenne aiguë; des lésions déterminées chez le lapin par l'obstruction nasale. Rev. path. comp., Par., 1907, **6**: Jul. 11; Oct., 5.—**Ibusuki, Y.** Experimentelle Studien über die Entzündung des Mittelohres beim Vogel. Mitt. Med. Akad. Kioto, 1939, **27**: 426–8.—**Linnell, E. A., & Burnham, H. H.** The production of otitis media and labyrinthitis in rabbits. Ann. Otol. Rhinol., 1928, **37**: 782–7, 18 pl.—**Natanson, A. M.** [Otitis and otogenous complications from the experimental point of view] J. ushn. nosov. gorlov. bolez., 1940, 17: 182; 1941, **18**: 22.

—— External ear.

Bubes, G. F. [Dermatitis of the external ear and tympanum with the aspect of chronic, suppurative inflammation of the middle ear] Vest. otorinolar., 1937, 90–2.—**D'Onofrio, F.** Su di una forma rara di otite esterna circoscritta complicante le otiti medie purulente acute. Arch. ital. otol., 1927, **38**: 118–21.—**Ormerod, F. C.** Intractable forms of dermatitis of the external ear in cases of chronic suppurative otitis media. Proc. R. Soc. M., Lond., 1926–27, **20**: Sect. Otol., 10–2. Also J. Lar. Otol., Lond., 1927, **42**: 165–7.—**Schramek, W.** Ueber Sequesterbildung im knöchernen äusseren Gehörgang bei chronischer Mittelohreiterung. Med. Klin., Berl., 1926, **22**: 213–5.—**Simonton, K. M.** Foreign bodies in the external auditory canal causing otitis media. Collect. Papers Mayo Clin. (1947) 1948, **39**: 429–31.

—— Eye.

See also subdivision Paralysis.

Cable, A. *Contribution à l'étude des manifestations oculaires des otites suppurées et de leurs complications. 68p. 8° Par., 1936.

Berens, C. Intracranial lesions of otitic origin; the ophthalmologist's point of view. Tr. Am. Otol. Soc., 1931, **21**: 67–116.—**Blomqvist, E.** On the occurrence of nystagmus in acute otitis media. Acta otolar., Stockh., 1948, Suppl. No. 74, 203–7.—**Caboche, H.** A propos du symptôme douleur oculaire, au cours de l'otite moyenne suppurée; un cas guéri sans antrotomie. Ann. otolar., Par., 1931, 649–51.—**Coates, G. M.** Pathological conditions of the ocular nerves following otitis media. Atlantic M. J., 1925–26, **29**: 770–3.—**Curcio, G.** Reazione pupillare nelle otiti medie purulente. Otorinolar. ital., 1933, **3**: 533–41.—**Duc, C., & Petterino-Patriarca, A.** Anisocoria e otite media. Arch. ital. otol., 1935, **47**: 403–29.—**Gardner, W. J.** Choked discs associated with otitis media; an explanation of the mechanism in certain cases. Cleveland Clin. Q., 1938, **5**: 176–80.—**Got, A.** Otite moyenne aiguë avec torpeur et blépharospasme chez une malade mastoïdectomisée depuis quinze jours. Rev. laryng., Par., 1928, **49**: 520–2.—**Lawson, L. J.** Metastatic panophthalmitis following pneumococcic otitis media. J. Am. M. Ass., 1933, **101**: 599.—**Meyer, S. J.** Intracranial lesions of otitic origin from the viewpoint of the ophthalmologist. Illinois M. J., 1933, **64**: 378–81.—**Moulonguet, A.** La douleur oculaire, indication de l'évidement pétromastoïdien au cours des suppurations aiguës de l'oreille. Ann. mal. oreille, 1925, **44**: 679–85. ——— Ocular pain in aural suppurations. French M. Rev., Par., 1932, **2**: 438–43.—**Novotny, O.** Chronische Mittelohreiterung, Stauungspapille, Abszessverdacht. Wien. klin. Wschr., 1949, **61**: 270.—**Petterino-Patriarca, A.** Sindrome oculare di Brown-Séquard causata da otomastoidite acuta. Riv. otoneur., 1935, **12**: 284–7.—**Piquet & Coulouma.** Les signes oculo-sympathiques dans les otites et leurs raisons anatomiques; à propos d'un syndrome de Brown-Séquard au cours d'une otomastoïdite aiguë. Bull. Soc. belge otol., 1934, 276–80, 7 pl. Also Ann. otolar., Par., 1935, 1003–13.—**Ramírez Mohedano, M. A.** Síndrome de excitación del simpático ocular en un operado de vaciamiento petromastoidco. Rev. españ. otoneuroft., 1949, **8**: 238–45.—**Sears, W. H.** Surgical indications in affections of the ocular nerves following suppurative otitis media and its complications. Atlantic M. J., 1925–26, **29**: 773–8.—**Stein, R.** Thrombophlebitis der gegenseitigen Orbita und gekreuzte Abduzensparese bei Otitis media; Statistisches über Augensymptome bei Otitis media und ihren Komplikationen. Klin. Mbl. Augenh., 1928, **80**: 22–9.—**Torrini, U. L.** L'anisocoria nelle lesioni infiammatorie auricolari. Riv. otoneur., 1934, **11**: 252–4.—**Vom Hofe, K., & Perwitzschky, R.** Pupille und Mittelohr. Arch. Augenh., 1927, **98**: 181–3.—**White, L. E.** Papilledema of otitic origin. Arch. Otolar., Chic., 1925, **2**: 371–8.

—— false.

Larroque, L. Les fausses otites moyennes et les otalgies réflexes. Paris méd., 1937, **105**: 170–2.

—— familial.

See also subdivision Genetics.

Richter, H. Ueber familiäres Auftreten entzündlicher Mittelohrerkrankungen. Zschr. Laryng., 1931, **21**: 319–26.

—— fetal.

Hemsath, F. A. Intra-uterine and neonatal otitis, a study of seven cases including a case of otitic meningitis. Arch. Otolar., Chic., 1936, **23**: 78–92.—**Schwarzbart, A.** Otitis media foetalis. Mschr. Ohrenh., Wien, 1937, **71**: 718–27.

—— Fever [incl. local temperature]

See also subdivision Manifestation.

Jusseaume-Gillet, M. *Etude de quelques courbes de température observées au cours d'otites moyennes aiguës suppurées. 65p. 24cm Par., 1940.

Meyer, L. *Ueber den Temperaturverlauf der akuten Mittelohreiterung des Kindes [Würzburg] [20]p. 8° Kallmünz, 1933.
Also Arch. Ohr. &c. Heilk., 1933, **135**: 1; 77.

Schiessl, M. *Ueber den Temperaturverlauf der akuten Mittelohreiterung des Erwachsenen [Würzburg] 16p. 8° Oberviechtach, 1931.
Also Arch. Ohr. &c. Heilk., 1931, **129**: 299–306.

Thiele, H. *Ueber den Temperaturverlauf bei der Otitis media acuta bei Kindern. 27p. 21½cm. Marb., 1936.

Weiss, K. G. *Ueber den Temperaturverlauf bei der Otitis media acuta der Erwachsenen. 20p. 8° Marb., 1935.

Beck, J. Ein Beitrag zur differentialdiagnostischen Bewertung hoher Temperaturen sowie zur Beurteilung einiger Symptome im Verlauf von Mittelohreiterungen. Arch. Ohr. &c. Heilk., 1930, **125**: 66–78.—**La Rosa, C. de.** Otitis aguda y fiebre adenoidiana. Actual. méd., Granada, 1946, **32**: 605.—**Leidler, R.** Types of fever in otitic general infection. Acta otolar., Stockh., 1930, **14**: 144–57.—**Lillie, H. I.** A septic type of temperature not referable to the ear in cases of acute suppurative otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1922, **28**: 93–7.—**Meyer, L.** Ueber den Temperaturverlauf der akuten Mittelohreiterung des Kindes. Arch. Ohr. &c. Heilk., 1933, **135**: 77–86.—**Rendu, R.** De la fièvre adénoïdienne au cours de l'otite moyenne aiguë. Ann. otolar., Par., 1936, 390–7. Also J. méd. Lyon, 1936, **17**: 115–9.—**Richter, H.** Ueber die Beurteilung des Fiebers zu Beginn der akuten Mittelohrentzündung. Hals &c. Arzt, T. 1, 1936, **27**: 333–45.—**Shirokov, S. F., & Popereka, J. P.** K voprosu o diagnostiches-kom znachenii sravnitelnoi mestnoi termometrii pri otitakh u detei. Vest. otorinolar., 1949, No. 2, 21–3.—**Wolkowyski, N.** Temperaturmessungen an der Haut im Bereiche des Ohres bei akuter Mittelohr- und Warzenfortsatzentzündung und ihre diagnostische Bedeutung. Mschr. Ohrenh., Wien, 1937, **71**: 480–94.

—— fibrinous.

Chatellier & Fouquet. Otite moyenne aiguë à forme fibrino-leucocytique. Ann. otolar., Par., 1943, 64.—**Neumann, H.** Zur Klinik und Pathologie der Otitis media acuta fibrinosa. Zschr. Hals &c. Heilk., 1932, **31**: 410–7; Disc. 417.—**Tamari, M.** De l'otite fibrineuse. Rev. laryng., Bord., 1937, **58**: 58–76, illust.

—— Forensic aspect.

Frey, H. Luftzug als Ursache von Mittelohreiterungen; ein gerichtsärztliches Gutachten. Mschr. Ohrenh., Wien, 1932, **66**: 561–5.—**Schlittler, E.** Ein interessanter Begutachtungsfall. Schweiz. med. Wschr., 1936, **66**: 490.

—— Funduliformis infection.

Kapsenberg, G. Otitis media, gepaard met septische toestanden, veroorzaakt door Bacteroides fundiliformis. Ned. tschr. geneesk., 1946, **90**: 890–2.

—— Fusobacterium infection.

EPPENSTEIN, S. *Ueber Gehörgangs- und Mittelohr-Entzündungen mit fusospirillärer Symbiose (Plaut-Vincent-Bazillen) [Berlin] 24p. 8°. Berl., 1928.

Araujo, C. da S. Otite causada pela associação da symbiose fusoespirillar com o bacillo pseudo-diphterico. Brasil med., 1924, **38**: pt 2, 27.—**Bogomilsky, R. D.** O lechenii nikotinovoi kislotoi vensanovskikh otitov i mastoiditov u detei. Vest. otorinolar., 1947, 71–5.—**Busacca, G.** Sur l'importance de l'association fuso-spirochétique dans les complications des suppurations chroniques de l'oreille. Arch. internat. laryng., Par., 1929, **35**: 295–301.—**Caliceti, P.** Sul valore dell'associazione fuso-spirillare nelle otiti medie purulente croniche. Arch. ital. otol., 1928, **39**: 363–72.—**Kameneva, E. P.** [Un cas de guérison d'une otite suppurée provoquée par le bacille de Vincent dans la première enfance] Pediatria, Moskva, 1941, No. 7, 93.—**Luongo, R. A.** Vincent's infection of the middle ear and mastoid. Pennsylvania M. J., 1932, **36**: 840.—**Mangabeira Albernaz, P.** Otite fúso-espiroquética. Tribuna med., Rio, 1926, **30**: 85–92. Also Arch. Otolar., Chic., 1930, **12**: 49–62.—**Motta, R.** Su due casi di otite media purulenta cronica con associazione fuso-spirillare. Policlinico, 1928, **35**: sez. prat., 83–5.—**Salvadori, G.** La terapia delle otorree a reperto fuso-spirochetico. Arch. ital. otol., 1925, 3. ser., **36**: 440–61.—**Winnik, S. A.** Zur Frage über die Rolle der Fuso-spirillosis-Infektion bei der eitrigen Entzündung des Mittelohres. Otolar. slav., Praha, 1932–33, **4**: 272–7.

—— gangrenous and necrotic.

Imai, T., & Kataoka, N. Eso-sei tyūzi-en no syuzyutu-go ni hassei-seru zengaku-bu oyobi biyoku-bu taizyō-hōsin ni tuite [herpes zoster frontalis and nasalis which developed after operation on gangrenous otitis media] Tohoku igaku zassi, 1941, **28**: 1108–12.—**Imai, T., & Takahasi, T.** Hukuzatunaru keika wo toreru cso-sei tyūzi-en, zikasen zyōka-bu nōyō, nōyō sekkai, hukotu tekisyutu, keikai [gangrenous otitis media which took a complicated course of abscess of upper and lower parotid gland; operation on abscess, removal of the sequester, and relief] Ibid., 1113–5.—**Portmann, G., & Kistler, K.** L'otite moyenne aiguë nécrosante. Presse méd., 1929, **37**: 375–7.

—— Genetics.

See also subdivision (familial)

Beselin, O. Erbliche Neigung zu Mittelohrentzündungen. Arch. Ohr. &c. Heilk., 1932, **132**: 335.—**Tukada, M.** Sōsei-zi ni okeru tyūzien, kōgai-hentōsen-hidai oyobi man-sei bien no tōkei-teki idengaku-teki kansatu [statistical studies from the standpoint of heredity of otitis media, hypertrophy of the tonsils, and chronic inflammation of the nose, in twins] Rinsyo keirin, 1942–43, **4**: 239–56.

—— Geography and incidence.

Bernfeld, K. Ueber den Verlauf der acuten sogenannten genuinen Mittelohrentzündung in Palästina auf Grund klinischer Beobachtung (December 1925–Juli 1928) Acta otolar., Stockh., 1928, **13**: 120–5. ——— Acute Mittelohrentzündung in Palestina; Beitrag zur Frage der Ueberhitzungskrankheiten. C. rend. Congr. internat. méd. trop., 1928, **3**: 359–65. Also Mschr. Ohrenh., Wien, 1929, **63**: 1267–73. ——— The coincidence of acute unspecified ear inflammations and the bearing of climatological factors thereon; contribution to the study of the inflammation of the ear in Palestine. Fol. otolar. orient., 1932–33, **1**: 81–5.—**Chaussé, C.** Incidence du défilé antro-attico-tympanal. J. méd. Paris, 1940, **60**: 129–32.—**Dean, W.** Otitis media still takes its toll. South. M. J., 1944, **37**: 17–20.—**Guthrie, D.** Suppuration de l'oreille moyenne; sa fréquence et son étiologie. Arch. internat. laryng., Par., 1927, **33**: 153–7.—**Rubin, H.** Observations on the otitis morbidity in Palestine; occult middle ear complications. Fol. otolar. orient., 1932–33, **1**: 222–8.—**Tvermoes, V.** Ueber die Häufigkeit der Otitiden und ihrer Komplikationen. Acta otolar., Stockh., 1934, **20**: 453–7.

—— Gonococcus infection.

See also subdivision Neisseria infection; also **Gonorrhea, Ear.**

Grossi, G. Su di un caso di otite media purulenta bilaterale da gonococco. Ann. ostet. gin., 1929, **51**: 745–52.

—— Hearing.

See also subdivision Deafness; also **Deafness; Noise.**

ANDREWS, H. *Ueber die obere Hörgrenze bei akuter Mittelohreiterung. 21p. 22½cm. Würzb., 1937.

LUNDGREN, N. E. M. The auditory function after otitis media in infancy and earliest childhood. 156p. 24cm. Lund, 1944.
Forms Suppl. 53, Acta otolar., Lund.

Almour, R. The conservation of hearing in the suppurative middle ear diseases in childhood. Med. J. & Rec., N. Y., 1924, **120**: p. clxxviii–clxxx.—**Carlens, E.** The nature of the acoustic lesion in acute otitis media; a comparison between otitic infections due to pneumococcus type III and those of other origin. Acta otolar., Stockh., 1944, **32**: 453–66.—**Chavanne, F.** Contribution à l'étude de l'audition musicale dans l'otite moyenne purulente aiguë. Otorhinolar. internat., Lyon, 1920, **4**: 191.—**Ciocco, A.** Hearing acuity and middle ear infections in constitutional types. Acta otolar., Stockh., 1932–33; **18**: 365–80.—**Hůlka, J. H.** Bone conduction changes in acute otitis media. Arch. Otolar., Chic., 1941, **33**: 333–50.—**Kestermann, E.** Vergleichende Funktionsprüfungen des cochlearen und vestibularen inneren Ohres im Verlaufe der akuten Tuben-Mittelohrentzündung. Arch. Ohr. &c. Heilk., 1930, **126**: 1–34.—**Lundgren, N.** Hörselfunktionen efter otiter i tidiga barnaåldern. Nord. med., 1944, **24**: 1902–6.—**Maxwell, J. H.** Consideration of hearing impairment in the treatment of chronic suppurative otitis media. Surg. Gyn. Obst., 1947, **84**: 845–9.—**Meltzer, P. E.** Hearing in chronic otitis media. Ann. Otol. Rhinol., 1942, **51**: 727–36.—**Müller, F.** Resultado singular do exame da agudez auditiva e anotações sôbre aplicações de duchas de ar em casos de otite media aguda. Rev. otolar. S. Paulo, 1936, **4**: 653–60.—**Nuka, H.** Tyūzien keika-tyū ni okeru tyōryoku syōgai ni tuite no zikken-teki kenkyū [experimental studies on the difficulty of hearing during the development of otitis media] Zibiinkoka rinsyo, 1941, **36**: 369; 459, 2 pl.—**Peyser, A.** Om kroniska mellanöreaffektioners inflytande på hörselorganets resistens mot buller. Nord. med., 1943, **20**: 2242–4.—**Seiffert.** Diplacusis und andere ungewöhnliche Erscheinungen bei einer Otitis media. Zschr. Hals &c. Heilk., 1929, **23**: 150–2.—**Uffenorde.** Geschlossene Mittelohrentzündung und Taubheit. Ibid., 1939, **46**: 278–89.

—— Hematology.

FRENCKNER, P., & HAMBERGER, C. A. Die Senkungsreaktion bei Otitis media und ihren Komplikationen. 126p. 24½cm. Stockh., 1939.
Forms Suppl. 39, Acta otolar., Stockh.

KOSKINEN, P. *Das Blutbild und die Senkungsreaktion bei otogenen Infektionen. 268p. 23½cm. Helsin., 1938.
Forms Suppl. 25, Acta otolar, Stockh.

LEHMANN, J. *Das Blutbild bei otitischen Erkrankungen. 31p. 8°. Lpz., 1926.

Balden, L. Die diagnostische Bedeutung des Blutes bei otogenen Krankheiten. Beitr. Anat. Ohr., 1927, **25**: 227–65.—**Barola, A.** Sulla velocità di sedimentazione dei globuli rossi nelle flogosi suppurate dell'orecchio medio. Otorinolar. ital., 1936, **6**: 16–41.—**Boies, L. R.** Immature white blood cells in otologic infections. Arch. Otolar., Chic., 1931, **13**: 238–54.—**Couper, E. C. R.** The Schilling haemogram in otitis media and mastoiditis of infancy. Arch. Dis. Childh., Lond., 1940, **15**: 27–42.—**Elmenhoff-Nielsen, B.** Hämatologische Untersuchungen bei Otitis media acuta. Acta otolar., Stockh., 1935, **22**: 592–604. ——— [Hematological examination in acute otitis media] Ugeskr. laeger, 1935, **97**: 869–77.—**Engelbreth-Holm, J., & Jørgensen, A.** [Examination of the blood in acute inflammation of the middle ear] Ibid., 1936, **98**: 707–11.—**Frenckner, P.** Sedimentation reaction in otitis media and its complications. Acta otolar., Stockh., 1938, **26**: 309–20.—**Glasscheib, A.** Die Bedeutung des Haemogramms für die Differentialdiagnose otogener Komplikationen. Mschr. Ohrenh., Wien, 1927, **61**: 3–24.—**Gotō, S.** Kyūsei tyūzi-en, haiketu-syō narabi-ni kanō-sei nōmaku-en ni okeru kessyōhansū no syōtō ni kan-suru zikken-teki kenkyū [experimental studies on the variation of the blood platelets in acute otitis media, septicemia and suppurative meningitis] Tohoku igaku zassi, 1939, **24**: 156–66.—**György, E., & Flesch, I.** [Evaluation of hematological examinations in infantile otitis media] Orvosképzés, 1938, **28**: Febr. különf., 91–7. Also Arch. Kinderh., 1938, **113**: 92–102.—**Hart, V. K.** Sedimentation rate in acute otitis media and its complications. Arch. Otolar., Chic., 1929, **9**: 622–4.—**Heidemann, J.** Das Hämogramm bei den otogenen Infektionen. Beitr. Anat. Ohr., 1925, **22**: 203–36.—**Herbst, K.** Blutbild und Senkung bei Komplikationen der Otitis media. Mschr. Ohrenh., Wien, 1947, **81**: 661–4.—**Hesse.** Das Blutbild und die Entstehungsbedingungen von Komplikationen im Anschluss an Mittelohreiterungen, zugleich ein Beitrag zur klinischen Verwertung des Blutbildes. Zschr. Hals &c. Heilk., 1926, **15**: 232–41; Disc. 270–3.—**Hlaváček, V.** [Erythrocyte

sedimentation in inflammation of the middle ear] Cas. lék. česk., 1928, **67**: 1395–7.—**Hohlbrugger, H.** Ueber leukozytäres Blutbild und Senkungsgeschwindigkeit der roten Blutkörperchen in ihrer diagnostischen Verwertbarkeit bei otogenen endokraniellen Komplikationen (nebst vergleichenden Untersuchungen bei akuten und chronischen Mittelohrentzündungen) Mschr. Ohrenh., Wien, 1947, **81**: 324; passim.—**Hume, J. R., & Kahn, H.** Blood sedimentation in acute otitis media and its complications. Arch. Otolar., Chic., 1939, **29**: 820–8.—**Jerković, N.** Blutbefunde bei eitrigen Entzündungen des Mittelohres und deren Komplikationen. Otolar. slav., Praha, 1931, **3**: 13–55.—**Koch, H.** Cytological studies of chronic otitis with special regard to eosinophil leucocytes. Acta otolar., Stockh., 1946, **34**: 317–30.—**Kumpf, A.** Das Blutbild bei den entzündlichen Mittelohrerkrankungen und ihren Komplikationen. Beitr. Anat. Ohr., 1926, **24**: 165–263.—**Mathé, K.** Der Wert der Blutkörperchensenkungsreaktion bei Otitis media. Zschr. Hals &c. Heilk., 1944, **50**: 185–93.—**Mørch, P.** Studies on the sedimentation reaction in suppuration of the middle ear. Acta otolar., Stockh., 1935, **22**: 189–200.—**Pieri, P. F.** La formula di Arneth nelle otiti medie purulente acute e loro complicanze mastoidee. Valsalva, 1929, **5**: 332–45.—**Rosenwasser, H., & Rosenthal, N.** The blood picture in otitic infections. Arch. Otolar., Chic., 1931. **14**: 291–308.—**Schwarzbart, A.** Graphische Hämogrammdarstellung nach neuem Prinzip und ihre Verwendung bei Otitis media. Zschr. Hals &c. Heilk., 1931, **29**: 381–92.—**Spira, J.** [Diagnostic value of the blood picture in otitis of the middle ear] Polska gaz. lek., 1932, **11**: 861–4. Also Mschr. Ohrenh., Wien, 1933, **67**: 28–38.—**Strumia, M. M.** Blood pictures in middle ear infection, with special reference to differential diagnosis and prognosis. Pennsylvania M. J., 1935–36, **39**: 852–7.—**Tołczyński, B.** [Comparative value of the blood picture and Zebrowski's reaction in acute otitis media] Nowiny lek., 1936, **48**: 736; 765.

—— Hemorrhage.

Cherubino, M. Considerazioni sulla terapia delle emorragie della carotide intrapetrosa. Boll. mal. orecchio, 1947, **65**: 185–99.—**Eadie, C. M.** Acute suppurative otitis media and mastoiditis with severe haemorrhage from the ear; presumed erosion of the internal carotid artery, ligation of internal, external and common carotid arteries. Med. J. Australia, 1941, **2**: 9–12.—**Pauwen, L., & Roskam, J.** Nouvelle méthode pour l'étude pharmacodynamique des hémostatiques, basée sur la corrélation existant entre les temps de saignement moyen de l'une et l'autre oreille. C. rend. Soc. biol., 1937, **124**: 279.—**Singer, L.** Ueber profuse Spontanblutungen aus dem Ohr. Arch. Ohr. &c. Heilk., 1929–30, **124**: 198–211.

—— Hydrocephalus.

See also **Hydrocephalus.**

Ahari, H. Otitic hydrocephalus meningeal hydrops; case report. Clin. Proc. Child. Hosp., Wash., 1948–49, **5**: 246–50.—**Bourgeois, R.** Un cas d'hydrocéphalie otitique. Ann. otolar., Par., 1942, 89–91. ——— Hydrocéphalie aiguë d'origine otique. Ibid., 1946, **13**: 229.—**Craig, A.** Otitic hydrocephalus. J. R. Nav. M. Serv., 1940, **26**: 398.—**Ferrer, E. A., & Obrador Alcalde, S.** Observaciones sobre el cuadro clínico de la hidrocefalia otítica en relación con un caso personal. Rev. clín. españ., 1947, **25**: 19–25.—**Goodhart, S. P., & Savitsky, N.** Otitic hydrocephalus. Arch. Neur. Psychiat., Chic., 1934, **32**: 1345–7.—**Graf, K.** Der otitische Hydrocephalus. Pract. otorhinolar., Basel, 1946, **8**: 154–61.—**Hamberger, C. A.** On otitic hydrocephalus. Acta otolar., Stockh., 1946, **34**: 11–8.—**Katzschmann.** Akuter Hydrocephalus internus nach Mittelohreiterung. Zschr. Laryng., 1928–29, **17**: 463–8.—**Kyhlstedt, S.** Hydrocephalus ex otitide. Sven. läk. tidn., 1944, **41**: 198–201.—**McKenzie, W.** A case of otitic hydrocephalus. J. Lar. Otol., Lond., 1948, **62**: 391–3.—**Russell, D. S.** Otitic hydrocephalus. Proc. R. Soc. M., Lond., 1943–44, **37**: 391.

—— hyperplastic.

See also subdivisions (adhesive; infantile)

Franchini, Y. Consideraciones sobre el tratamiento de las otitis hiperplásicas del lactante. Sem. méd., B. Air., 1941, **48**: 929–34.—**Monteiro, A.** Otite média hiperplastica de tipo hipertóxico. Brasil med., 1943, **57**: 211–3.

—— Incidence.

See under other subdivisions (Geography; infantile: Statistics; Statistics)

—— Industrial aspect.

Johnston, C. M. The incidence and treatment of infective ear disease in factory employees. Brit. M. J., 1948, **2**: 1049–59.

—— infantile.

See also other subdivisions (acute—in children; suppurative—in children) also the last subheading of **Middle-ear inflammation.**

Paredero del Bosque, J. Otitis del lactante. 96p. 21½cm. Madr., 1942.

Rozenfeld, N. *L'otite chez les nourrissons. 20p. 8° Genève, 1931.

Vesselle, P. *L'otite du nourrisson. 239p. 8° Par., 1925.

Andersen, H. C. Otitis media hos børn under 2 aar. Nord. med., 1945, **28**: 2232–5.—**Asherson, N.** Acute otitis media in infancy. Arch. Dis. Childh., Lond., 1932, **7**: 159–68.—**Bergh, E.** Otitis acuta in infants. Acta paediat., Upps., 1935, **17**: 313.—**Bukowska, F., & Luxenburgowa, W.** [Inflammation of the middle ear in the new-born] Pedjat. polska, 1935, **15**: 20–4.—**C., J.** Les oto-mastoïdites des nourrissons. Arch. méd. enf., Par., 1937, **40**: 644–57.—**Cardelle Penichet, G., Durán Castillo, B., & Borges Hernández, F.** Otitis del lactante. Bol. Soc. cubana pediat., 1941, **13**: 9–29. Also Pediat. Américas, Méx., 1945, **3**: 215–22.—**Carrera Portela, J.** Otitis del lactante. Rev. inform. méd. ter., Barcel., 1945, **20**: 489–93.—**Comby, J.** Las oto-mastoiditis de los lactantes. Arch. pediat. Uruguay, 1937, **8**: 711; 767.—**Csapó, J.** Otomastoiditis csecsemőknél. Orv. hetil., 1936, **80**: 283–8.—**Cunha, E.** Oto-antrite do lactante. Med. cir. pharm., Rio, 1941, 65–74.—**David-Galati.** Otite moyenne des nourrissons. Arch. internat. laryng., Par., 1924, **30**: 838–40.—**Debain, J. J.** Les otites du nourrison. Inter Exter, Par., 1947, **1**: No. 8, 1–4.—**Derham, R.** Otitis media in infancy. Brit. M. J., 1948, **1**: 835.—**Despons, J.** L'otite du nourrisson. Rev. laryng., Bord., 1942, **63**: 225–31. ——— L'oto-antrite du nourrisson. J. méd. Bordeaux, 1947, **124**: 148–52.—**Dolan, D. J., & Grand, M. J. H.** Purulent otitis media in the newborn. N. York State J. M., 1935, **35**: 669.—**Elizalde, F. de.** Otitis y mastoiditis en la primera infancia. Día méd., B. Air., 1931–32, **4**: 729.—**Fiessinger, C.** Les oto-mastoïdites du nourrisson. J. prat., Par., 1946, **60**: 299–302.—**Grenet, H., L'Hirondel** [et al.] L'oto-mastoïdite du nourrisson. Bull. Soc. pédiat. Paris, 1941, **38**: 217–36.—**Hartung, F. de P.** Otites em lactentes. Pediat. prát., S. Paulo, 1942, **13**: 279–90. Also Rev. paul. med., 1942, **20**: 371; **21**: 526.—**Hautant, A.** La otitis media en el recién nacido; según los recientes trabajos norte-americanos. Rev. otoneur., B. Air., 1932, **7**: 373–6.—**Hernández, A.** Otomastoiditis en el lactante. Prensa méd. argent., 1944, **31**: pt. 2, 2545–9.—**Imhofer, R.** Ueber Säuglingsotitis. Med. Klin., Berl., 1925, **21**: 951–4.—**Jaccottet, M.** L'oto-mastoïdite du nourrisson. Ann. paediat., Basel, 1947, **169**: 282; 1948, **171**: 366.—**Jakabfi, I.** Ueber die Mittelohrentzündung im Säuglingsalter. Mschr. Ohrenh., Wien, 1948, **82**: 13–7.—**Jiménez Cervantes, J.** Otitis media del lactante. Arch. med., Madr., 1936, **39**: 83–94.—**Kassay, D.** Csecsemőkori otitisek. Otorhinolar. danub., 1947, **1**: 58–72.—**Kidney, W. C.** Otitis media in infancy. Irish J. M. Sc., 1948, 203–17.—**Klaučo, P.** Otity. Paediat. danub., Budap., 1949, **5**: 249–54.—**Klotz, A.** La otitis media en el recién nacido; según los trabajos recientes alemanes. Rev. otoneur., B. Air., 1952, **7**: 325–8.—**Kostelijk, P. J.** Otitis media bij zuigelingen. Ned. tschr. geneesk., 1946, **90**: 1412. Also Acta otorhinolar., Brux., 1947, **1**: 83.—**Kürthy, L.** Csecsemőkori otitisekről. Otorhinolar. danub., 1947–48, **1**: 178.—**Lapointe, J.** Oto-mastoïdite du nourrison. Ann. méd. chir. Hôp. S. Justine, Montréal, 1940, **3**: No. 3, 71–95.—**Larroque, L.** Les oto-mastoïdites des enfants. Prat. méd. fr., 1935, **16**: 128–34.—**Lasagna, F.** Le otomastoiditi acute dei neonati e dell'infanzia. Athena, Roma, 1938, **7**: 159.—**Le Mée, J. M., Rodger, T. R.** [et al.] Discussion on otitis media in early childhood, under 5 years. Proc. R. Soc. M., Lond., 1936–37, **30**: 1293–318. Also J. Lar. Otol., Lond., 1937, **52**: 685–719. Also Lancet, Lond., 1937, **1**: 1171.—**Lereboullet.** A propos des mastoïdites des nourrissons. Bull. Soc. pédiat. Paris, 1941, **38**: 251–62.—**Leroux, L. H.** L'otite du nourrisson. J. méd. Paris, 1926, **45**: 246.—**Leroux, R.** L'oto-antrite du nouveau-né. Vie méd., 1925, **6**: 1953–5.—**Levesque, J., Perrot, R., & Renault.** Sur les oto-mastoïdites du nourrisson. Bull. méd., Par., 1942, **56**: 121–6.—**Mollison, W. M.** Otitis media in sucklings. Brit. M. J., 1932, **2**: 581–3.—**Monscourt, H.** Otite du nourrisson. Gaz. hôp., 1949, **122**: 370.—**Monti, P. C.** L'otite media nell'infanzia. Ann. laring., Tor., 1942, **42**: 1–40.—**Morote Calafat, A.** La oto-mastoiditis del lactante. Hispalis med., 1947, **4**: 531–47.—**Nazareth, S.** Otite media, aguda, simples, no lactente. São Paulo med., 1941, **14**: 387–94.—**Oreggia, J. C.** La otomastoiditis del lactante. An. otorinolar. Uruguay, 1939, **9**: 57–96. Also Arch. pediat. Uruguay, 1939, **10**: 527; 585.—**Pearlman, S.** Mastoiditis in infancy. Clin. Rep. Adelaide Child. Hosp., 1947–48, **1**: 79–85.—**Rouget, J.** Otitis in infants. Caduceus, Manila, 1940–41, **1**: No. 11, 3–25.—**Royle, E.** The prevention and prevalence of otitis media in infancy. Am. J. Nurs., 1936, **36**: 896–8.—**Salazar de Souza, C.** A oto-mastoidite do lactante. J. pediat., Rio, 1948, **14**: 325–48.—**Salgueiro, B.** As otites médias do lactente. Rev. clín. Inst. mat., Lisb., 1950, **2**: 27–38.—**Sparrevohn, U. R.** Otitis media suppurativa acuta hos spaedbørn. Nord. med., 1945, **28**: 2230.—**Tecoz, H.** Les oto-mastoïdites du nourrisson. Praxis, Bern, 1942, **31**: 737–40.—**Ten Bokkel Huinink, A.** [Otitis in infants] Mschr. kindergeneesk., 1935, **4**: 219–23.—**Tesař, V.** [Otitis media in infants] Cas. lék. česk., 1935, **74**: 1258–60.—**Thomas, R. S. W.** Mastoiditis in infancy. Med. J. Australia, 1949, **1**: 8–12.—**Wiškovský, B.** Středoušnízáněty kojenců. Pediat. listy, 1948, **3**: 206–10.

—— infantile: Clinical aspect.

LE GRAND, L. *Etude clinique de l'otite aiguë du nourrisson. 42p. 8° Par., 1935.

Alagna, G. Sulla mastoidite dei lattanti e dei bambini nei primi anni di vita. Med. internaz., Milano, 1934, **42**: 221–3. —— Otite media acuta nei lattanti e nei bambini nei primi anni di vita. Rass. clin. sc., 1934, **12**: 531.—**Alexander, G.** Otitis und Mastoiditis im Säuglingsalter. Mschr. Ohrenh., Wien, 1931, **65**: 437–45.—**Amaral, O., & Vieira Filho, O.** Breves considerações em torno de dois casos de oto-antrite em lactantes. An. Hosp. centr. exerc., Rio, 1940, **5**: 207–10.—**Appaix, A.** L'otite banale du nourrisson. Sud méd. chir., Marseille, 1945, **77**: 117–24.—**Balzano, I.** L'otite media purulenta nei poppanti. Pediatria (Riv.) 1934, **42**: 817–37.—**Baron, F., & Planson, E.** L'otite du nouveau-né à la maternité. Clinique, Par., 1946, **41**: 115–8.—**Bécuwe.** Mastoïdite cliniquement primitive chez l'enfant. Echo méd. Nord, 1936, **5**: 284–7.—**Bentivoglio, G. C.** Considerazioni sulle otiti medie latenti nel lattante. Lattante, 1933, **4**: 487–509.—**Bernovits, M.** [Acute inflammation of the middle ear in infants and young children] Budap. orv. újs., 1929, **27**: 1473–9.—**Bertoin, R.** A propos de l'otite aiguë du nourrisson. J. méd. Lyon, 1949, **30**: 741–4.—**Caruana, M.** Le problème de l'oto-mastoïdite en pédiatrie. Tunis. méd., 1948, **36**: 590.—**Caussade & Henry.** Considérations sur l'oto-mastoïdité des nourrissons. Gaz. méd. France, 1946, **53**: 200–4.—**Chavanne, L.** Point de vue sur la mastoïdite du nourrisson. Otorhinolar. internat., Lyon, 1948, **32**: 197–205.—**Codinach, A.** Otitis media aguda en el niño, otitis media latente del recien nacido y del lactante. Rev. med. cir. Habana, 1932, **37**: 609–28.—**Cone, A. J.** Incidence of acute otitis media in infants and in young children during 1930–31; variations in the clinical picture. Arch. Otolar., Chic., 1931, **14**: 797–814.—**Csapó, J.** Bedeutung der Mittelohrentzündung und Mastoiditis im Säuglingsalter vom Standpunkt des Kinderarztes. Verh. ungar. ärztl. Ges., 1935, **7**: 52. Also Arch. Kinderh., 1936, **109**: 203–23.—**Di Lauro, E.** L'otite latente acuta della prima infanzia. Clin. igiene inf., 1933, **8**: 29–36.—**Drury, D. W.** Infantile otitis media. Boston M. & S. J., 1926, **194**: 96–9.—**Erdélyi, J., & Bedő, I.** [Inflammation of the middle ear in infants] Gyógyászat, 1926, **66**: 486–8.—**Erlich, M.** Un syndrome d'otite moyenne aiguë du nouveau-né. Bull. Soc. pédiat. Paris, 1938, **36**: 346.—**Gerlóczy, F.** Fülmegbetegedések csecsemőgyógyászati jelentősége. Paediat. danub., Budap., 1947, **2**: 25–58.—**Gotō, S.** Nyūyōzi kyū-sei tyūzien no rinsyōteki kansatu [clinical observations ...] Nagoya igakkai zassi, 1943, **57**: 455.—**Grenet & L'Hirondel.** A propos des oto-mastoïdites des nourrissons. Bull. méd., Par., 1941, **55**: 324.—**György, E.** Csecsemőkori fülbetegségek gyakorlati kérdése. Paediat. danub., Budap., 1947, **2**: 160–79.—**Hernández, A., & Villegas, J. L.** Otitis en el lactante; síntesis de la clase del Prof. Adj. Yago Franchini en la Casa de expósitos. Prensa méd. argent., 1944, **31**: pt 2, 2448–51.—**Hofmann, L.** Ueber die Säuglingsotitis. Aerztl. Prax., Wien, 1934, **8**: 197–202. Also Wien. klin. Wschr., 1934, **47**: 434–40.—**Holsclaw, F. M., Boehm, C. A., & Bierman, J. M.** Otitis media and mastoiditis in infants under three months of age. Am. J. Dis. Child., 1930, **39**: 747–57.—**Holub.** Příspěvek ke kojeneckým mastoiditidám. Cas. lék. česk., 1949, **88**: 575.—**Jones, M. F., & Gerstly, J. M.** Ear infections in babies. N. York State J. M., 1930, **30**: 1–8.—**Knauer, H.** Das Problem der Otitis media des Säuglings und Kleinkindes. Arch. Kinderh., 1935, **106**: 227–34.—**Lavrand, A.** Considérations sur l'otite latente de l'enfant. J. sc. méd. Lille, 1925, **43**: pt 2, 367–70.—**Le Mée, J. M., & Bloch, A.** Les formes cliniques de l'otite latente chez l'enfant; diagnostic et traitement. Monde méd., 1926, **36**: 552–64.—**Le Mée, J. M., & Tran Hun.** Les oto-mastoïdites du nourrisson; le point de vue de l'otologiste. Bull. Soc. pédiat. Paris, 1941, **38**: 237–46.—**Lévesque, J., Bastin & Brisset.** A propos de la communication de M. Caussé sur la mastoïdite des nourrissons. Arch. fr. pédiat., 1946, **3**: 37–9.—**Lierle, D. M.** Otitis media in infants. Ann. Otol. Rhinol., 1927, **36**: 604–20, 4 pl., 6 ch.—**McConkey, G., & Couper, E. C. R.** Otitis media and mastoiditis in infancy. Arch. Dis. Childh., Lond., 1938, **13**: 137–44.—**Mares, A.** A contribution to the question of otitis media in infants. J. Lar. Otol., Lond., 1948, **62**: 207–30.—**Marlan, A. B.** Note sur les suppurations de l'oreille moyenne et de la mastoïde chez le nouveau-né et le nourrisson. Nourrisson, 1941, **29**: 222–7.—**Meyer, M.** Ist die akute Mittelohrentzündung des Säuglings und Kindes klinisch grundsätzlich anders zu bewerten als die des Erwachsenen? Med. Welt, 1932, **6**: 668–70.—**Moretti, M.** Considerazioni sull'otite media del lattante. Med. inf., Roma, 1941, **12**: 263–8.—**Nazareth, S.** Otite media, aguda, simples no lactente. Impr. med., Rio, 1941, **17**: No. 328, 59–62.—**Oreggia, J. C.** La otitis del lactante. Arch. lat. amer. pediat., B. Air., 1929, 3. ser., **23**: 765–75. —— Otitis media aguda en el lactante; estudio clínico. An. otorinolar. Uruguay, 1933, **3**: 235–41.—**Otitis** latente en los lactantes (P. Tenoese) Arch. españ. pediat., 1927, **12**: 617; 727.—**Ottoni de Rezende, M.** A otite média aguda e a mastoidite aguda no lactante e em suas relações com a pediatria. Rev. otolar. S. Paulo, 1934, **2**: 377–87.—**Paschlau, G.** Mittelohr- und Warzenfortsatzentzündungen im Krankheitsgeschehen des Säuglings und Kleinkindes. Kinderärztl. Prax., 1935, **6**: 218–30.—**Pauly, R.** Zur Frage der akuten Mittelohrerkrankung und Intoxikation beim Säugling. Arch. Kinderh., 1944, **132**: 137–53.—**Rivière & Chastrusse.** Notre expérience de l'oto-antrite du nouveau-né. Gyn. obst., Par., 1947, **46**: 358. Also J. méd. Bordeaux, 1947, **124**: 384.—**Rohmer, P.** Observations cliniques et thérapeutiques dans l'otite et l'antrite du nourrisson. Ann. paediat., Basel, 1947, **169**: 283. —— & **Sourdille, M.** A propos de l'otite latente du nourrisson. Vie méd., Par., 1948, **29**: 126.—**Sargnon, A.** Les otites moyennes aiguës et latents de la première enfance. J. méd. Lyon, 1926, **7**: 1–17. —— Considérations cliniques sur l'otite moyenne aiguë de l'enfance. Avenir méd., Lyon, 1927, **24**: 200; 236.—**Scheideler, J.** Zum Problem der akuten Mittelohrentzündung im Kindesalter. Arch. Kinderh., 1938, **113**: 211–23.—**Sheridan, M. R., & Banham, T. M.** Antral infection in children. Brit. M. J., 1948, **1**: 74.—**Sparrevohn, U. R.** Acute suppurative otitis media in infants. Acta otolar., Stockh., 1945, **33**: 162; 365.—**Sudaka, P.** Considérations sur les oto-antrites du nourrisson; le point de vue d'un otologiste. Algérie méd., 1947, **50**: 669–73.—**Tesone, P.** Otitis latente en los lactantes. Rev. As. méd. argent., 1927, **40**: 479–545.—**Torday, F.** [Inflammation of the middle ear in infants] Orv. hetil., 1927, **71**: 1046–8.—**Weidenslaufer Lawrence, A.** Contribución al estudio de las otitis en el lactante. Rev. chilena pediat., 1937, **8**: 7–12, tab.

—— infantile: Complication.

Catalão, P. V. B. Oto-mastoidite bilateral e osteomielite craneana em lactente. Rev. brasil. otorinolar., 1943, **11**: 258–66.—**Chaptal, J., Brunel, D.** [et al.] Contribution à l'étude étiologique et pathogénique de l'oedème subaigu du poumon chez le nourrisson; l'oedème subaigu pulmonaire, expression isolée du syndrome neurotoxique par otite. Montpellier méd., 1949, **35**: 36: 26.—**Coates, G. M.** Middle ear and mastoid infection in the infant as a focus of systemic disease. Arch. Pediat., N. Y., 1930, **47**: 275–85.—**Collet, F. J.** Otite et hémorragie méningée du nourrisson. Bull. Soc. belge otol., 1934, 364–8.—**Dodds, G. H.** Otitis media with purulent meningitis in an infant nine days old. Arch. Dis. Childh., Lond., 1931, **6**: 71–3.—**Franchini, Y.** Consideraciones sobre los abscesos de la región mastoidea en el niño de pecho. Día méd., B. Air., 1948, **20**: 2092–4.—**Hofmann, L.** Tetanie und (seröse) Meningitis bei latenter Säuglingsotitis; Heilung. Mschr. Ohrenh., Wien, 1935, **69**: 886.—**Krassnig, M.** Die Säuglingsotitis und ihre Komplikationen. Arch. Ohr. &c. Heilk., 1931–32, **130**: 335–44.—**Levesque, J., Dailly, R., & Boeswillwald, M.** Lésions cérébro-méningées, arachnoïdite optochiasmatique au décours des oto-mastoïdites du nourrisson. Arch. fr. pédiat., 1946, **3**: 333–8.—**L'Hirondel. J.** Complications de l'otite moyenne chez l'enfant. Gaz. hôp., 1942, **115**: 173.—**Neboliubov, E. I.** [Significance of otic affections in the pathology of early childhood] Pediatria, Moskva, 1939, No. 1, 35–41.—**Oreviceanu, I., Herovici, I., & Grünberg, W.** Troubles graves produits par l'otite et la mastoïdite latente chez le nourrisson; contributions à l'étude du diagnostic et du traitement précoce. Bull. Soc. pédiat. Paris, 1932, **30**: 425–7.—**Schneegans, E.** Complications des otites aiguës et latentes chez le nourrisson. Rev. fr. pédiat., 1939–40, **15**: 435–42.—**Sindoni, M. B., & Gucciona, F.** Pleurite purulenta destra da perforazione di focalai broncopneumonici suppurati; endocardite; peritonite acuta sierofibrinosa; parenchimatosi del fegato e dei reni; pachimenengite emorragica; otite media purulenta bilaterale. Pediatria, Nap., 1925, **33**: 893–901.—**Uffenorde, W.** Die Knochenveränderungen des Felsenbeins bei der Säuglingsotitis und ihre Verwicklungen. Zschr. Hals &c. Heilk., 1937, **42**: 116–48; Disc., 172–81.—**Wood, V. V.** Acute otitis media, mastoiditis and their complications in young children and infants. Week Bull. S. Louis M. Soc., 1934, **29**: 111–6.

—— infantile: Diagnosis.

EVRARD, J. M. L. *Contribution apportée par la radiologie au diagnostic et au pronostic de l'otomastoïdite de la première enfance. 44p. 24cm. Par., 1943.

POMMERET, L. *Essai clinique sur l'antrite du nourrisson; diagnostic et traitement. 97p. 23½cm. Par., 1943.

Archibald, H. C. Colic or otitis media? Arch. Pediat., N. Y., 1942, **59**: 767–71.—**Babonneix, L., & Le Pavec, E.** Le diagnostic des oto-mastoïdites latentes des nourrissons. J. méd. Paris, 1940, **60**: 227–9. Also Méd. inf., Par., 1940, **47**: 35–44.—**Béraud, A., & Ducuing, L.** La mastoïdite latente du nourrisson. Otorhinolar. internat., Lyon, 1945, **29**: 209; passim.—**Berini Ferrán, J.** Las otitis medias supuradas no diagnosticadas en la infancia. Med. niños, 1927, **28**: 242–5.—**Beselin, O.** Zur Diagnose der Mittelohrentzündung bei Säuglingen und kleinen Kindern. Deut. med. Wschr., 1928, **54**: 833.—**Brunner, H.** Wann muss der Praktiker bei einem Säuglinge an Otitis media denken? Ars medici, Wien, 1934, **24**: 564–9.—**Caussé, R.** Comparaison de documents histologiques et radiographiques sur l'otite du nourrisson. Ann. otolar., Par., 1944–45, 176.—**Descazeaux, J.** Contribution à l'étude des otites latentes du nourrisson; moyens de diagnostic. Rev. laryng., Bord., 1946, **67**: 489–535.—**Gignoux, M., & Wenger.** La ponction d'antre dans les otomastoïdites latentes du nourrisson; sa valeur diagnostique. J. méd. Lyon, 1944, **25**: 653–5.—**Grenet, H., & L'Hirondel, J.** Etude clinique de l'oto-mastoïdite du nourrisson; la ponction d'antre. Presse méd., 1942, **50**: 533.—**Le Mée, J. M.** Diagnostic et fréquence

de l'otite latente chez le nourrisson et chez l'enfant. Arch. internat. laryng., Par., 1924, **30**: 961. ——— L'examen du tympan en pathologie infantile n'est pas un monopole. Hôpital, Par., 1936, **24**: 217–9.—**Lévesque, J., Perrot, R., & Renault.** La ponction de l'antre dans le diagnostic des oto-mastoïdites des nourrissons. Arch. fr. pédiat., 1942–43, **1**: 100–2.—**Link, R.** Die Antrumpunktion und Antrumspülung bei der Diagnose und Bchandlung der Säuglingsotitis bzw.-antritis. HNO, Berl., 1947–48, **1**: 112–9.—**Marañes, F.** Diagnóstico y tratamiento urgente en la otitis del lactante. Gac. méd. españ., 1942, **16**: 554–6.—**O'Donnell, W. S., & Myers, C.** Otitis media in infancy; its diagnosis by means of cultures taken from the middle ear; description of method. Am. J. Dis. Child., 1929, **38**: 49–51.—**Panneton, P., & Longpré, D.** De l'importance primordiale de la ponction exploratrice de l'oreille moyenne chez le nourrisson. Ann. mal. oreille, 1929, **48**: 911–8.—**Rendu, R.** De la ponction aspiratrice du tympan dans le diagnostic de l'otite du nourrisson. Arch. internat. laryng., Par., 1924, **30**: 840–2. ——— Utilité et innocuité de la ponction aspiratrice du tympan dans le diagnostic de l'otite chez l'enfant. Ann. mal. orcille, 1926, **45**: 873–84.—**Rivero, F. H.** Sobre diagnóstico y tratamiento de la otitis latente del lactante. Arch. venezol. Soc. otorinolar., 1942, **3**: 179–85.—**Rohmer, P., Schneegans, E., & Wild, C.** La valeur de la ponction d'antre pour le diagnostic de l'antrite du nourrisson. Arch. fr. pédiat., 1947, **4**: 194–7.—**Sonnauer, P.** Beiträge zur Röntgendiagnostik der Otitis und Mastoiditis des Säuglings- und Kindesalters. Arch. Kinderh., 1941, **122**: 77–85. Also Paediat. danub., Budap., 1947, **2**: 147–59, 2 pl.—**Yuasa, K.** Komaku ni byōhen wo tomonawanai nyūzi nyūsi-tokkien ni rei [zwei Fälle von Mastoiditis ohne Trommelfellbefund bei Säuglingen] Otorhinolaryngologia, Tokyo, 1943, **16**: 525–31.—**Zapatero, F.** El fenómeno de Grünfelder en el diagnóstico de las otitis del lactante. Libro de actas Congr. nac. pediat., Santander (1944) 1945. 6. Congr., 760.

—— infantile: Dystrophy.

BARBIER, J. *Les états cholériformes avec lésions de l'oreille moyenne au cours de la première enfance. 96p. 24cm. Par., 1938.

Alden, A. M. Gastro-intcstinal disturbances in infants as a result of streptococcus infection in the ears. South. M. J., 1926, **19**: 360–2.—**Bourgeois, R., & Franck, G.** L'antrite dans le syndrome athrepsique du nourrisson; le lavage d'antre. Sem. hôp., Par., 1947, **23**: 682–4.—**Burghi, S. E., & Gianelli, C.** Perturbaciones digestivas y de la nutrición producidas por la otitis media aguda latente en el lactante. An. Fac. med., Montev., 1929, **14**: 1045–70. Also Arch. lat. amer. pediat., B. Air., 1929, 3. ser., **23**: 629–48. Also Rev. fr. pédiat., 1929, **5**: 681–705.—**Cathala, J., Lorain & Morel.** Oto-mastoïdites latentes et états de dénutrition aiguë chez les nourrissons. Bull. Soc. pédiat. Paris, 1936, **34**: 505–19.—**Chapognitch, D.** Otite moyenne et troubles digestifs chez le nourrisson. Strasbourg méd., 1926, **84**: 227–43.—**Combe, P.** Oto-mastoïdites, troubles digestifs et états de dénutrition du nourrisson. Algérie méd., 1947, **50**: 651–68.—**Coufalík, T. O.** Mastoiditis occulta a její vztah ke kojeneckým intoxikacím. Lék. listy, 1948, **3**: 184–7.—**Druss, J. G.** Infection of the ear, in cases of infection of the gastro-intestinal tract in infants. Am. J. Dis. Child., 1932, **43**: 356–64.—**Eigler, G. v.** Die Genese der Dyspepsie-Otitis mit retrotympanaler Eiterung. Zschr. Laryng., 1949, **28**: 37–44. Also Zbl. Hals &c. Heilk., 1948, **38**: 132.—**Ferri, U.** L'otite latente e disturbi di nutrizione dei bambini lattanti. Lattante, 1939, **10**: 143–52. ——— **& Petterino, A.** A proposito di due casi di otomastoidite in lattante atrofico. Policlin. inf., Tor., 1939, **7**: 109–19.—**Franchini, Y.** Las otoantritis del lactante: su relación con los estados distróficos. Prensa méd. argent., 1946, **33**: 1827–37. Also Rev. As. méd. argent., 1947, **61**: 306–12.—**Franck, W.** Dyspeptische Symptome ex constitutione und Otitis-Dyspepsie. Deut. Gesundhwes., 1947, **2**: 697–9.—**Gerlóczy, F.** Ueber otogene Dekompositionen. Arch. Kinderh., 1944, **131**: 98–100.—**Hall, W., McGibbon, J. E. G.** [et al.] Discussion on the association of otitis media with acute non-specific gastro-enteritis of infants. Proc. R. Soc. M., Lond., 1948, **41**: 1–14. Also J. Lar. Otol., Lond., 1948, **62**: 396–416.—**Hartung, F.** Otites e enterites infantis. Rev. brasil. otorinolar., 1940, **8**: 43–50.—**Hofmann, L.** Schwere otogene Ernährungsstörung bei einem Säugling; Heilung. Mschr. Ohrenh., Wien, 1937, **71**: 878–80. ——— **& Barwich, M.** Otitis und Ernährungsstörung beim Säugling. Arch. Ohr. &c. Heilk., 1936–37, **142**: 325–35.—**Koenigsberger, E.** Mittelohrentzündung und Ernährungsstörung beim Säugling. Med. Welt, 1932. **6**: 1240.—**Krepler, P.** Ein Fall von Säuglingsmastoiditis als Ursache von wiederholt rezidivierender Pneumonie und Dyspepsie mit Atrophie. Wien. med. Wschr., 1946, **96**: 291.—**Levesque, J., & Perrot, R.** A propos des troubles digestifs et des états de dénutrition du nourrisson secondaires à une infection parentérale. Bull. méd., Par., 1936, **50**: 795–9.—**Lévy-Solal, E., Lelong, M.** [et al.] L'otite du nouveau-né; ses rapports avec le syndrome de dénutrition progressive du nouveau-né. Presse méd., 1946, **54**: 25.—**Marfan, A. B.** Bemerkungen über den Zusammenhang von Ohreiterungen bei Säuglingen mit einer schweren Ernährungsstörung oder einem Gallensyndrom. Zbl. Gyn., 1943, **67**: 901 (Abstr.)—**Márquez Reverón, V.** La otomastoiditis del lactante y su relación con los trastornos de la nutrición. Arch. venezol. puericult., 1942, **4**: 729–54.—**Meneghello, J., Gil, G., & Barilari, E.** Otitis en el lactante distrófico. Rev. chilena pediat., 1948, **19**: 101–7.—**Monastier, W.** A otite oculta nos distúrbios agudos do intercâmbio nutritivo do lactente. Rev. méd. Paraná, 1949, **18**: 26–34.—**Monti, P. C.** L'otite media purulenta e sue complicanze quali cause di disturbi enterici e della nutrizione nel lattante e nel bambino. Otorinolar. ital., 1937, **7**: 565–83.—**Moraga Fuenzalida, G.** Trastornos nutritivos en el lactante producidos por el síndroma ótico. Rev. chilena pediat., 1934, **5**: 245–54.—**Nevelson, I. S.** [Clinical aspect and course of dysenteric otitis in young children] Vrach. delo, 1939, **21**: 243–6.—**Odoevsky, A. P.** Vozbuditeli ostrykh otitov pri dizenterii u detei rannego vozrasta. Vest. otorinolar., 1948, 45–51.—**Oreviceanu, I., Herovici, I., & Grünberg, W.** [Digestive disturbances as cause of otitis and latent mastoiditis in infants; diagnosis and early treatment] Rev. şt. med., Bucur., 1932, **21**: 533–59.—**Otitis** (La) y la antritis del lactante y sus repercusiones sobre el estado digestivo. Acción méd., B. Air., 1941, **11**: 87.—**Prudente de Aquino, F.** As otites médias agudas e latentes e suas correlações com os distúrbios gastro-entéricos das crianças. An. paul. med. cir., 1942, **44**: 344–50. Also Rev. brasil. otorinolar., 1942, **10**: 732–6. Also Rev. paul. med., 1942, **20**: 394; **21**: 61. ——— As otites médias agudas e latentes e suas correlações com os distúrbios gastrentéricos das crianças na primeira infância. Med. cir. farm., Rio, 1944, 434–40.—**Reerink, H.** Over zuigelingentoxicose met zoogenaamde latente mastoiditis. Ned. tschr. geneesk., 1946, **90**: 710–3.—**Roberts, J.** Gastro-enteritis and mastoiditis. Lancet, Lond., 1947, **2**: 490.—**Rohmer, P.** Le traitement des troubles digestifs consécutifs aux otomastoïdites du nourrisson. Schweiz. med. Wschr., 1942, **72**: 1180–2. ——— Die Rolle der Otitis media in den Ernährungsstörungen des Säuglings. Oesterr. Zschr. Kinderh., 1949, **3**: 117–23. ——— **& Schneegans, E.** A propos de la dyspepsie aiguë du nourrisson, consécutifs à une otite. Bull. Soc. pédiat. Paris, 1936, **34**: 405–10. ——— **& Wild, C.** Otite moyenne et troubles digestifs du nourisson; indications thérapeutiques. Strasbourg méd., 1948, **108**: 375; 1949, **109**: 61.—**Samsonova, V. S., Petrova, A. F., & Putilov, A. K.** [Otitis-mastoiditis in acute disorders of digestion and nutrition in young children and their surgical treatment] Pediatria, Moskva, 1944, No. 5, 36–41.—**Schlesinger, B.** Mastoiditis and gastro-enteritis. Lancet, Lond., 1947, **2**: 563.—**Schneegans, S., & Wild, C.** De l'importance de l'otite et de l'antrite dans l'étiologie et le traitement des troubles digestifs des nourrissons. Vie méd., Par., 1948, **29**: 126–8.—**Sokolow, A. S.** Akute Ernährungsstörungen im Säuglingsalter und die Infektion des Mittelohres und des Warzenfortsatzes. Zschr. Kinderh., 1932–33, **54**: 10–37.—**Tátrallyay, Z.** [Otitis media and mastoiditis in dehydrated infants] Orv. hetil., 1940, **84**: 342–4.—**Ten Bokkel Huinink, A.** [Otitis and nutrition disorders in infants] Mschr. kindergencesk., 1937, **7**: 91–106.—**Weise, F., & Wedemeyer, F. W.** Okkulte Mastoiditis und chronische Ernährungsstörung des Säuglings. Aerztl. Wschr., 1946–47, **1**:–**2**: 941–5.—**Weisse, K.** Zur Klinik der okkulten Mastoiditis mit akuter Ernährungsstörung. Zschr. Kinderh., 1947–48, **65**: 376–93. ——— Penicillinbehandlung der okkulten Mastoiditis mit akuter Ernährungsstörung. Ibid., 1948–49, **66**: 121–8.—**Zuckerman, M. A.** [Sur la thérapie rationelle de l'otite-antrite dans les affections aiguës de nutrition et dans la dysenterie chez les enfants du premier âge] Pediatria, Moskva, 1941, No. 7, 28–33.

—— infantile: Etiology and pathogenesis.

See also subdivision Mucosus type.

Chatellier, H. P., & Lemoine, J. Le diaphragme interatticotympanique du nouveau-né; description de sa morphologie; considérations sur son rôle pathogénique dans les oto-mastoïdites cloisonnées du nourrisson. Ann. otolar., Par., 1946, **13**: 534–66.—**Dean, L. W.** The influence of acute otitis in infants upon certain systemic conditions and the influence of certain systemic conditions in infants upon the method of treating the co-existing acute otitis. Tr. Am. Otol. Soc., 1927, **17**: 749–72.—**Fairén Guillén, M.** Consideraciones patogénicas sobre la otitis del lactante. Rev. españ. pediat., 1947, **3**: 237–40.—**Gechko, I.** Prichiny, vzaimootnoshenie i preduprezhdenie otitov i ponosov. Paediat. danub., Budap., 1949, **6**: 1–8.—**Giraud & Bergier, P.** Considérations étiologiques à propos de l'otite aiguë du nourrisson. Marseille méd., 1943, **80**: 98–100.—**Király, D.** Die Rolle der Rachitis bei der Mastoiditis der Säuglinge. Mschr. Ohrenh., Wien, 1943, **77**: 556–68.—**Kočka, Z.** [Bacteriological examination of latent otitis media in infants] Cas. lék. česk., 1954, **73**: 1054–6.—**Lévy-Decker, M., Walter, P., & Pigement, M.** L'otite latente du nouveau-né; le rôle de la trompe d'Eustache dans sa pathogénie. Ann. otolar., Par., 1948, **65**: 281–93.—**Moorehead, G. C.** Otitis media in lung and intestinal diseases of infancy. Tr. Iowa M. Soc., 1902, **20**: 430.—**Naftziger, J. B.** Nasal sinus and ear infections in children and infants. Nebraska M. J., 1929, **14**: 73–5.—**Přecechtěl, A.** [Clinical and physiological importance of histology of the middle ear in the new-born with abnormal fetal position] Cas. lék. česk., 1929, **68**: 149–56.—**Toyoda, B.** Nyūzi tyūzien ni miraruru sinsyutu-sei taisitu no hyōtyō ni tuite [exudative diathesis in the otitis media of infants] Zibiinkoka rinsyo, 1942, **37**: 562–4.—**Urbantschitsch, E.** Die Säuglingsotitis, mit besonderer Berücksichtigung der Mucosusotitis, ihre Komplikationen und ihre Beziehungen zu anderen Krankheitszuständen. Oesterr. Zschr. Kinderh., 1948, **2**: 119–39.—**Urioste Arana, C.** La succión pueril mediante el

chupete, causa de las otitis infantiles. Rev. med., Rosario, 1927, **2:** 180–2.—**Yamazaki, S.** Bonyū no san-, alkali-do no nyūzi sikkan (kanō-kin-sei-en [kōgi]) ni oyobosu eikyō (syokumotu ni kan-suru siken); tyūzi-en, sissin, inkō-nōyō syōrei [Effect of the acidity or the alkalinity of mother's milk upon the diseases of nurslings—cases of otitis media, eczema, and retropharyngeal abscess] Zibiinkoka rinsyo, 1940, **35:** 689–99.

—— infantile: Manifestation.

See also other subdivisions (latent; Toxemia)

Béroff, V. *Les otites latentes des nourrissons. 14p. 8° Genève, 1927.

Boileau, C. C. *Etude clinique des otites dites latentes des nourrissons. 123p. 25½cm. Nancy, 1943.

Roche, M. D. *Contribution à l'étude de l'oto-mastoïdite latente du nourrisson d'après 166 observations. 50p. 24cm. Lyon, 1946.

Aguiar, A. de. Otite média; oto-antrite e toxicose do lactante. Rev. méd. nun., Rio, 1941, **1:** 575–7.—**Barthe Pastrana, E.** La otomastoiditis latente del lactante. Rev. inform. méd. ter., Barcel., 1946, **21:** 685–94.—**Bile, G.** L'oto-mastoidite latente del lattante. Diagnosi, Nap., 1949, **5:** 97–9.—**Bize, P. R.** Trois cas d'otite du nourrisson avec température oscillante d'allure septicémique posant in question de l'intervention mastoïdienne et guéris par le traitement médical. Bull. Soc. pédiat. Paris, 1936, **34:** 500–5.—**Bloch, A., & Vesselle, P.** Otites latentes; otites méconnues chez l'enfant. Sem. hôp. Paris, 1925, **1:** 547–52.—**Borghesan, E.** Le otiti e mastoiditi latenti del lattante. Atti Clin. otorin. Roma (1939–43) 1947, 1095–117. Also Boll. mal. orecchio, 1949, **67:** 146.—**Bortolotti, R.** L'otite latente del lattante. Clin. pediat., Mod., 1942, **24:** 1–47.—**Debré, R.** Les oto-antrites du nourrisson atteint de neurotoxicose. Ann. otolar., Par., 1947, **64:** 621–8.—**Eisenberg, C.** Latent mastoiditis in infancy. Harefuah, Tel Aviv, 1945, **29:** 259–61.—**Escat.** A propos des oto-antrites dites latentes du nourrisson. Toulouse méd., 1946, **47:** 77.—**Garelli, F.** L'otoiatra e l'otite latente del lattante. Pediat. med. prat., Tor., 1947, **22:** 121–43.—**Gerlóczy, F.** Otogene Toxikosen des Säuglingsalters. Arch. Kinderh., 1944, **131:** 92–7.—**Gignoux & Devant.** La mastoïdite latente du nourrisson. J. méd. Lyon, 1942, **23:** 513–8.—**Gotcu, P.** [Latent otitis in children] România med., 1938, **16:** 177.—**György, E.** Megjegyzés Kecskés Z. A csecsemök lappangó dob- és csecsüreg gyulladásáról címü közleményére. Orv. hetil., 1942, **86:** 94.—**Hachfeld, F.** Ein Beitrag zur Frage der okkulten Mastoiditis im Säuglingsalter. Deut. med. Wschr., 1949, **74:** 50–3.—**Hartung, F. P. P.** Otite latente no lactante. Rev. paul. med., 1948, **32:** 355–62.—**Jaguaribe Filho.** Otites latentes. Bol. Inst. puericult., Rio, 1948, **6:** No. 9, 46–51.—**Jannuzzi, S.** Il valore dell'anisocoria provocata nella diagnosi di otite nell'infanzia. Pediatria (Riv.) 1937, **45:** 39–50.—**Kecskés, Z.** A csecsemök lappangó dob- és csecsüreg gyulladásáról. Orv. hetil., 1942, **86:** 64. ——— Válasz E. György megjegyzésére. Ibid., 121.—**Klrk, E.** Om acidose ved akut purulent otitis media hos spaede børn. Nord. med., 1945, **25:** 309–13.—**Krassnig, M.** Von der latenten Otitis der Säuglinge und Kleinkinder. Mitt. Verein. Aerzte Steiermark, 1928, **65:** 164–70.—**Kutvirt, O.** Rapport entre l'éclampsie des nourrissons et l'otite moyenne aiguë. Rev. laryng., Par., 1922, **43:** 803–9.—**Laplane, R.** Les manifestations pulmonaires des otomastoïdites du nourrisson. Bull. Soc. pédiat. Paris, 1941, **38:** 407–14.—**Lapouge.** Un cas d'éclampsie otitique du nourrisson. Rev. otoneur., Par., 1926, **4:** 280–2.—**Lemariey, A., & Debray, P.** Le syndrome neuro-toxique du nourrisson. Ann. otolar., Par., 1948, **65:** 246–80.—**Le Mée, J., Bloch, A., & Cazejust, P.** Les otites latents chez l'enfant. Presse méd., 1925, **33:** 1491–4. Also Vie méd., Par., 1925, **6:** 1939–41.—**Le Mée, J., & Bouchet, M.** L'otite latente de l'enfant. J. méd. fr., 1924, **13:** 390–4.—**Lepage, G., & Destrée, A.** Otites, oto-antrites et oto-mastoïdites latentes du nourrisson. Rev. méd. Liége, 1947, **2:** 83–6.—**Lichkus, M. G.** [Otitis in infants and their relation to intoxications] Vest. sovet. otorinolar., 1934, **27:** 105–11. Also Münch. med. Wschr., 1934, **81:** 1492–5.—**Maini, G.** La oto-mastoidite latente del lattante. Lattante, 1947, **18:** 690–7.—**Mayoux, R.** Les signes otologiques dans la mastoïdite du nourrisson. J. méd. Lyon, 1948, **29:** 651–3.—**Monti, P. C.** Il problema dell'otomastoidite infantile latente. Arch. ital. otol., 1942, **54:** 143–53.—**Mordret, J.** Les oto-antrites latentes de la première enfance. Arch. méd. Angers, 1930, **34:** 23–7.—**Nunan, B.** As otites silenciosas da primeira infancia. Impr. med., Rio, 1939, **15:** 1708–12.—**Prada, E.** La otitis media purulenta latente o desconocida en los lactantes y en la primera infancia. Arch. españ. pediat., 1929, **13:** 275–9.—**Rogers, J. S.** Systemic manifestations of otitis media and mastoid involvement in very early infancy. J. Lancet, 1926, **46:** n. ser., 34–6.—**Rothe, H.** Der Grünfeldersche Zehenreflex, ein neues Symptom der Otitis media im Kindesalter. Deut. med. Wschr., 1930, **56:** 1822–4.—**Salazar de Sousa, C.** L'importance de l'otite dans la toxicose du nourrisson. Rev. portug. pediat., 1949, **12:** 241–4.—**Salzberger, M., & Rabinovici, E.** Ueber die Beziehungen zwischen Toxikose und Otitis media der Säuglinge. Mschr. Ohrenh., Wien, 1933, **67:** 188–206.—**Sergent, H.** Mastoïdite latente du nourrisson et ponction d'antre. Maroc méd., 1948, **27:** 59.—**Sorel, Levrat** [et al.] Le rôle des oto-mastoïdites dans les toxicoses du premier âge. Vie méd., Par., 1948, **29:** 92; passim.—**Southby, R.** Symptomless otitis media of infancy and childhood; some post-mortem observations. Med. J. Australia, 1924, **1:** 410–2.—**Steeger.** Otitis latente de lactante. Rev. chilena pediat., 1934, **5:** 568–70.—**Surján, L.** Data on the problem of latent middle-ear inflammation of infants. Pract. otorhinolar., Basel, 1950, **12:** 23–31.—**Tavares, A.** Síndrome asfíctico de origen otítico. Acta pediát. españ., 1947, **5:** 1191–4.—**Ten Bokkel Huinink, A.** [Otitis and toxicosis in infants] Ned. tschr. geneesk., 1936, **80:** 4874–9.—**Terol Figuerola, J. A.** El reflejo de Grünfelder-Rotte, de los dedos del pie, en el diagnóstico de la otitis media aguda del lactante; algunas aportaciones clínicas. Medicamenta, Madr., 1947, **5:** 45–7.—**Tetera, F.** Záněty středoušní a poruchy výživy u kojenců. Cas. lék. česk., 1946–47, **85:** 1821.—**Tetu, J., & Metianu, J.** Reflexions sur l'otite latente des nouveaux-nés. Otorhinolar. danub., 1947, **1:** 54–7.—**Trimarchi, A.** L'otite latente nell'infanzia. Arch. ital. otol., 1926, **37:** 469–75.—**Ungari, C.** Considerazioni critiche sull'otomastoidite latente del lattante. Policlin. inf., Mod., 1942, **10:** 350–8.—**Utrata-Bányai, J.** Die latente Otitis media bei Säuglingen. Schweiz. med. Wschr., 1942, **72:** 954 (Abstr.)—**Werbin, B.** Latent mastoiditis in infancy. Harefuah, Tel Aviv, 1945, **29:** 257–9.—**Withalm, A.** Säuglingsotitiden bei Intoxikationen. Mschr. Ohrenh., Wien, 1948, **82:** 393–400.—**Wolf, M.** Zur Frage der okkulten Mastoiditis im Säuglingsalter. Arch. Kinderh., 1943, **130:** 39–45.—**Zaliouk, A.** Les otites latentes de l'enfant. Fol. otolar. orient., 1932–33, **1:** 231–6.

—— infantile: Pathology.

L'Hirondel, J. A. E. *La ponction d'antre; importance de l'oto-mastoïdite dans la pathologie du nourrisson [Paris] 214p. 24cm. Vincennes, 1941.

Schneider, H. *Les mastoïdites chez le nourrisson; étude anatomo-chirurgicale [Montpellier] 91p. 25cm. Lyon, 1933.

Aschoff, L., & Fuld, J. Zur Frage der Otitis media bei Säuglingen und kleinen Kindern. Beitr. Anat. Ohr., 1926, **23:** 379–91.—**Cornelli, G.** Lo sviluppo morfologico dell'orecchio medio e la sua importanza in rapporto alla patogenesi, al decorso e alla cura delle otiti medie infantili. Arch. ital. otol., 1935, **47:** 457–86.—**Gilse, P. H. G.** [Histological examination of petrous bone in an infant of 11 months with otitis media] Ned. tschr. geneesk., 1928, **72:** 1981.—**Giraud, L.** Otite bilatérale chez un nourrisson. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., **51:** 465–7.—**Kirk, E.** Om acidose ved akut purulent otitis media hos spaede børn. In: Festskr. Harald Abrahamsen, Kbh., 1945, No. 12, 1–11. Also Nord. med., 1945, **26:** 1303, **28:** 2235.—**Meyer, M.** Bisogna ritenere la infiammazione acuta dell'orecchio medio essenzialmente diversa nel lattante, nel bambino e nell'adulto? Rass. ital. otorinolar., 1932, **6:** 281–8.—**Palacký, A. F., & Strýček, R.** Změny v bílkovinách krevní plasmy při těžkých otomastoiditidach kojenců a některé therapeutické možnosti z nich vyvozené. Pediat. listy, 1949, **4:** 97–101.—**Renaud, M., & Girard, L.** Les otites latentes du nourrisson; étude anatomique. Ann. mal. oreille, 1926, **45:** 341–51, 5 pl.—**Rókay, Z.** Die Säuglingsotitiden in hämatologischer Beleuchtung. Zschr. Kinderh., 1927, **44:** 347–57. ——— [Special pathology of inflammation of the middle ear in infants] Budap. orv. újs., 1929, **27:** 35–41.—**Salvadori, G.** Le otiti medie dell'infanzia e l'integrità della funzione uditiva. Med. inf., Roma, 1931, **2:** 65–7.—**Toyooka, T.** Eine experimentelle Studie über Säuglingsotitis. Zschr. Otorhinolar., Tokyo, 1938, **44:** 69.

—— infantile: Prognosis.

See also subdivision Prognosis.

L'Hermuzière, J. de. *Pronostic immédiat et suites éloignées de l'antrotomie pour oto-mastoïdite du nourrisson; d'après 290 observations [Lyon] 116p. 25cm. Trévoux, 1947.

Bloch, A., & Lemoine, J. Mort subite au cours d'une oto-mastoïdite non opérée chez un nourrisson. Arch. internat. laryng., Par., 1927, **33:** 998.—**Bunch, C. C., & Grove, R. C.** Some effects in later life of otitis media in infancy. Ann. Otol. Rhinol., 1930, **39:** 1–55.—**Dudás, P., & Halka, S.** Bemerkungen zur Prognose der Mittelohrentzündungen des Säuglingsalters mit Rücksicht auf die Rolle der Krankheitserreger. Arch. Kinderh., 1941, **122:** 85–94.—**Franchini, Y., & Riccitelli, E.** Las otitis prolongadas de los niños de pecho. Sem. méd., B. Air., 1932, **39:** 1788–92.—**Marx, H.** Zur Frage der Bedeutung der Mittelohrentzündung des frühestenKindesalters für später. Arch. Ohr. &c. Heilk., 1930, **126:** 71–8.—**Meyer, M.** Die akuteMittelohrentzündung im Kindesalter; Beiträge zur Klinik und pathologischen Anatomie dieser Erkrankung. Zschr. Laryng., 1931, **21:** 217–82.—**Wittmaack, K.** Zur Frage der Bedeutung der Mittelohrentzündungen des frühesten Kindesalters für später. Arch. Ohr. &c. Heilk., 1931, **129:** 207–50.

—— infantile: Statistics.

See also other subdivisions (Geography; Statistics)

Andersen, H. C. The material of infant patients with otitis media in the Kommunehospital of Copenhagen. Acta otolar., Stockh., 1945, **33**: 163.—**Arrighi.** A propos dc 40 cas d'otite latente du nourrisson. Algérie méd., 1947, **50**: 65–70.—**Babcock, E. S., & Jones, J. R.** Masked otitis media and mastoiditis in infancy; report of cases. California West. M., 1929, **31**: 90–3.—**Baron & Planson.** L'otite du nouveau-né à la Maternité de Dijon. Arch. fr. pédiat., 1946, **3**: 325.—**Boursier, R., & Ducassou, J. L.** L'otite du nouveau-né à la maternité de Pellegrin de novembre 1945 à juin 1946. Ibid., 489. Also J. méd. Bordeaux, 1946, **123**: 417–20.—**Bozer, H. E.** A study of surgical mastoiditis occurring in children at the Buffalo Children's Hospital during the years 1945–1946. N. York State J. M., 1948, **48**: 183–6.—**Caldas, S.** A propósito de dois casos de otite latente. An. otorinolar., Recife, 1936, **2**: 105–11.—**Falbe-Hansen, J., & Hansen, W.** Blegdamshospitalets materiale af spaedbørnsotiter fra en 5 aars periode. Nord. med., 1945, **28**: 2231. Also English tr., Acta otolar., Stockh., 1945, **33**: 162.—**Franchini, Y.** Otitis media latente del recién nacido y del lactante (92 observaciones) Sem. méd., B. Air., 1927, **34**: pt 2, 196–213. ——— & **Tesone, P.** Otitis media latente del recién nacido y del lactante. Rev. As. méd. argent., 1928, **41**: 227–93.—**Hinnen, A. B.** Mededeeling omtrent 13 zuigclingen met toxicose, bij wie een mastoidoperatie is gedaan en latente mastoiditis werd gevonden. Ned. tschr. geneesk., 1946, **90**: 1412–6. Also French summ., Acta otorhinolar., Brux., 1947, **1**: 83.—**Mayoux, R., Roche, M.** [et al.] A propos de 40 observations d'oto-mastoïdite chez le nourrisson. J. méd. Lyon, 1944, **25**: 647–52.—**Parsell, L. A.** Acute otitis media in the newborn; report of 4 cases. Northwest M., 1939, **38**: 471–3.—**Plisnier, H.** Les oto-mastoïdites du nourrisson; statistique. Bruxelles méd., 1949, **29**: 3187–91.—**Rivière, Chastrusse & Moure.** A propos de 30 nouveaux cas d'otites chez le nouveau-né. J. méd. Bordeaux, 1946, **123**: 413–6.—**Torday, F.** Ueber Mittelohrentzündungen im Säuglingsalter. Zschr. Kinderh., 1927, **44**: 339–46.

—— infantile: Surgery.

See also subheading Surgery.

BOUCHE, J. *Indications, technique et résultats de l'antrotomie dans les oto-mastoïdites du nourrisson. 155p. 24em. Par., 1943.

Baudy, R. Pénicilline et novocaïne en ponction d'antre chez le nourrisson. Pédiatrie, 1949, **4**: 261–3.—**Bernheim, M., Jeune, M., & L'Hermuzière, J. de.** Pronostic immédiat et suites éloignécs de l'antrotomie pour oto-mastoïdite du nourrison. Nourrisson, 1947, **35**: 219–25.—**Cathala, J., Laplane, R.** [et al.] Sur les oto-mastoïdites du nourrisson; résultats de l'antrotomie. Bull. Soc. pédiat. Paris, 1941, **38**: 246–50.—**Debray, P.** A propos des indications de l'antrotomie dans l'oto-mastoïdite toxigène du nourrisson. Nourrisson, 1949, **37**: 13–9.—**Despons, Moure & Véron.** Résultats de l'antrotomic dans les syndromes toxi-infectieux du nourrisson. Arch. fr. pédiat., 1946, **3**: 490. ——— Enquête sur les résultats de l'antrotomie dans les syndromestoxi-infectieux du nourrisson avec otite: hiver 1945–1946. J. méd. Bordeaux, 1947, **124**: 423.—**Dicke, W. K.** Over de punctie van het antrum mastoideum. Ned. tschr. geneesk., 1946, **90**: 1098. ——— Over de resultaten van de punctie van het antrum mastoideum bij zuigelingen. Ibid., 1904.—**Elizalde, P. de & González, A.** Significado y valor actual de la antrotomía en el tratamiento de la otitis del lactante. Arch. argent. pediat., 1946, **26**: 212–4.—**Franchini, Y.** Indicaciones de la paracentesis en el tratamiento de la otitis media latente y aguda de los niños de pecho. Sem. méd., B. Air., 1929, **36**: pt 2, 827–30. ——— Consideraciones sobre el tratamiento quirúrgico de las otoantritis del lactante. Congr. interamer. cirug., 1946, 3. Congr., **3**: 169–90.—**György, E.** Penicillin hatása alatt operált otogen-toxikus csecsemök. Paediat. danub., Budap., 1949, **5**: 302–4.—**Hermanne, J.** Ponction d'antre et antrotomie chez le nourrisson. Acta paediat. belg., 1946–47, **1**: 76–80.—**Lallemant, M., & Tomatis, A.** La ponction d'antre mastoïdien du nourrisson. Entretiens de Bichat, 1949, chir., 347.—**Levesque, J., & Lafourcade, J.** Le problème de l'antrotomie dans les états neuro-toxiques du nourrisson. Nourrisson, 1947, **35**: 99–111.—**Loebell, H.** Doppelseitige Ohraufmeisselung bei Säuglingen mit alimentärer Intoxikation. HNO, Berl., 1947–48, **1**: 55–7.—**Mendizabal, P.** Las otomastoiditis en la infancia y su tratamiento quirúrgico. Cir. cirujan., Méx., 1937, **5**: 543–9.—**Padoin, L.** Oto-mastoidite e mastoidectomia nei lattanti. Otorinolar. ital., 1939, **9**: 33–48.—**Ribadeau Dumas, Chabrun & Fénard.** Statistique des opérations de mastoïdite des nourrissons. Bull. méd., Par., 1941, **55**: 324.—**Romanova, M. A., & Wolfson, S. I.** [Diagnosis and indications for surgical treatment of otitis-antritis in infants] Pediatria, Moskva, 1943, 61–7.—**Sandler, R. J.** Ob aktivnom khirurgicheskom lechenii otoantritov u detei rannego vozrasta. Vest. otorinolar., 1948, 42–5.—**Torday, F.** [Surgical indications in complicated otitis media in infants] Budapesti orv. ujs., 1934, **32**: 820–7.—**Uffenorde, W.** Eröffnung der retrotympanalen Räume bei der Säuglingsotitis mit alimentärer Intoxikation. Klin. & Prax., Münch., 1946, **1**: 70–2.—**Wolfsohn, S. I.** Novyi variant razreza miagkikh tkanei pri antrotomii u detei grudnogo vozrasta. Vest. otorinolar., 1945, **7**: No. 2, 8–10.

—— infantile: Treatment.

See also subheading Treatment.

DAMIAN, P. *Contribution à la thérapeutique de l'oto-mastoïdite du nourrisson en tant qu'elle reste maladie locale. 42p. 24em. Par., 1943.

Boursier, R., Rivière [et al.] Pénicilline et otite du nouveau-né. Gyn. obst., Par., 1947, **46**: 499. Also J. méd. Bordeaux, 1948, **125**: 535.—**Chavanne, L.** Injections rétrotympaniques de pénicilline chez un nourrisson pour otites récidivantes; guérison. Ann. otolar., Par., 1947, **64**: 48. Also Lyon méd., 1948, **179**: 46–8.—**Del Villar, R.** Terapéutica moderna de las otomastoiditis. Bol. méd. Hosp. inf., Méx., 1949, **6**: 607–14.—**Franchini, Y., & Cervini, P. R.** Tratamiento de las otitis en la primera infancia. Actas Congr. nac. med., B. Air. (1931) 1932, 4. Congr., **4**: 221–7.—**György, E.** Penicillin hatása antromisált csecsemöknél és gyermekeknél. Paediat. danub., Budap., 1947, **1**: 46–59.—**Jastrzebski, L.** O leczeniu zapalenia ucha środkowego u niemowląt. Otolar. polska, 1948, **2**: 442–5.—**Kameneva, E. P.** [Treatment of grave forms of suppurative otitis in early childhood by lactic cultures of B. bulgaricus] Vest. otorinolar., 1941, No. 3, 74–7.—**Latorre Agüero, A.** Nuestra experiencia con la quimioterapia sulfamidada en el tratamiento de las otitis medias agudas supuradas de la infancia. Rev. chilena pediat., 1943, **14**: 323–8.—**Letarte, F.** Traitement de l'otite moyenne aiguë (première enfance) Laval méd., 1946, **11**: 577–80.—**Lewenfisz, H.** A new approach to acute otitis in infancy. Postgrad. M. J., Lond., 1948, **24**: 609–11. Also Overseas Postgrad. M. J., Lond., 1948–49, **3**: 344–6.—**Meyer, L. F., Finkelstein, H.** [et al.] Behandlung der Otitis und Mastoiditis im Säuglingsalter. Kinderärztl. Prax., 1930, **1**: 28; 79; 125.—**Montandon, A.** L'effet masquant de la pénicilline dans deux cas de mastoïdite chez des enfants. Pract. otorhinolar., Basel, 1947, **9**: 115.—**Munyo, J. C., & Saldún de Rodríguez, M. L.** Consideraciones sobre la sulfonamidoterapia en las otitis del lactante. Arch. pediat. Uruguay, 1944, **15**: 500–8.—**Otite** moyenne aiguë de l'enfance; traitement symptomatique. J. méd. Bordeaux, 1941, **118**: 226.—**Paredero del Bosque, J.** Sulfamidas en las otitis del lactante. Medicina, Madr., 1944, **12**: 912–9. Also Libro de actas Congr. nac. pediat., Santander (1944) 1945, 6. Congr., 746–53.—**Parrel, G. de.** Les otites latentes chez le nourrisson et l'enfant; leur traitement. Evolut. méd. chir., 1925, **6**: 82–4.—**Rumpf, C. W.** Treatment of acute otitis media in infants and children. Minnesota M., 1929, **12**: 694–9.—**Sigalov, D. L., & Voiler, I. M.** [Nouvelles voies du diagnostic et de la thérapie de l'otite-antrite chez le nourrisson] Pediatria, Moskva, 1941, No. 7, 23–8.—**Summers, C. B.** Conservative treatment of otitis media of infants. J. Kansas M. Soc., 1929, **30**: 169–71.—**Vézina, N.** Traitement de l'otite rebelle du nourrisson par des injections de pénicilline dans la caisse. Union méd. Canada, 1946, **75**: 1557–62.

—— Infectious focus.

See also **Infection, Focal.**

Krogstad, A. A case of focal infection from chronic otitis media, cured after radical treatment. Acta otolar., Stockh., 1938, **26**: 197.—**Ruttin.** Ueber latente Eiterherde im Mittelohr. Zschr. Hals &c. Heilk., 1923, **6**: 349–61; Disc., 389–94.—**Watson-Williams, E.** The middle ear as source of chronic septic absorption. Practitioner, Lond., 1925, **115**: 185–9.

—— Influenza.

See also **Influenza,** Ear.

Benciolini, F. Meningoencefalite acuta emorragica in corso di otomastoidite influenzale bilaterale. Riv. otoneur., 1931, **8**: 361–9.—**Brailovsky, J. Z., & Kuroedova, I. J.** [Case of unusual course of suppurative otitis media with pure culture of Pfeiffer's bacillus in the purulent discharge] J. ushn. nosov. gorlov. bolez., 1939, **16**: 177.—**Cadawas, E.** L'otite moyenne aiguë et ses complications en rapport avec la grippe. Ann. mal. oreille, 1929, **48**: 1011–6.—**Chiappe, E.** Otite media purulenta acuta bilaterale postinfluenzale; encefalite cerebellare. Accad. med., Genova, 1941, **56**: 331–9.—**Ernoul, Eschbach & Pizon.** Abcès extra-dural de la région cérébelleuse au début d'une otite grippale avec réaction méningée chez un enfant de 5 ans; septicémie postopératoire sans identification microbienne; métastase péritonéale; laparotomie; guérison. Rev. laryng., Bord., 1937, **58**: 929.—**Guément.** Un caso de otitis media supurada del lado izquierdo postgrippal; mastoiditis, afasia y hemiplejía lado derecho, concomitantes. Bol. lar. otol., Madr., 1904, **4**: 445.—**Letnik, S. F.** [Peculiar forms of influenzal otitis] Odes. med. J., 1929, **4**: 587.—**Nielsen, J.** Den acute suppurative otitis media foraarsaget af bac. Pfeiffer. Nord. med., 1944, **24**: 1892–4.—**Papillon.** Otite moyenne aiguë suppurée postgrippale; réaction puriforme méningée aseptique; guérison par les sulfamides sans intervention chirurgicale. J. méd. Bordeaux, 1940, **117**: 474–6.—**Pchelkin, N. A.** Influenzal otitis media. Pacific Coast J. Homoeop., 1936, **47**: 437–9.—**Poledňák, L.** [Type of otitis media during influenza in 1928] Cas. lék. česk., 1929, **68**: 1508–11.—**Sasaki, H., & Hirakawa, K.** Influenzakin-sei zi-sei nōmakuen ni tuite [otitic meningitis caused by ...] Zibiinkoka, 1950, **22**: 4–8.—**Zorzoli, E.** Osservazioni sul trattamento nel bambino delle complicanze influenzali suppurative acute dell'orecchio medio eon penicillina stabilizzata in sangue. Terapia, Milano, 1949, **34**: 149.

—— Klebsiella infection.

Altmann, F. Zur Symptomatologie und Klinik der Friedländer-Otitis. Mschr. Ohrenh., Wien, 1935, **69**: 513–37.

——— Zur Klinik der Friedländer-Otitis. Ibid., 624–6.—**Cachin.** Un cas d'otite à bacille de Pérez. Ann. otolar., Par., 1946, **13:** 225.—**Eigler, G.** Ueber Friedländer-Bazillen-Otitiden. Arch. Ohr. &c. Heilk., 1933, **136:** 318–31.—**German, T.** Friedländer-Otitis als typische und epidemische Erkrankung. Mschr. Ohrenh., Wien, 1930, **64:** 1050–60.—**Ghiselin, A. D., & Robertson, R. B.** Friedlaender's bacillus meningitis secondary to otitis media; a report of a case with recovery and a review of the literature. Arch. Otolar., Chic., 1947, **45:** 432–45.—**Gowen, G. H.** A case of Friedländer bacillus meningitis secondary to bilateral acute otitis media. Illinois M. J., 1934, **65:** 533–5.—**Urbantschitsch, E.** Ueber Friedländer-Otitis. Fol. otolar. orient., 1937, **4:** 13–9.

—— Labyrinth.

See also other subdivisions (Complication: Meningitis) also **Labyrinth,** Labyrinthitis.

Ardouin, P. Les réactions séreuses du labyrinthe au cours de l'otite moyenne aiguë simple. Prat. méd. fr., 1933, **14:** 181–93.—**Basavilbaso, J.** Laberintitis difusa, manifiesta, supurada. Rev. espec., B. Air., 1926, **1:** 171–7.—**Behrman, W.** Om falska labyrintitsymtom vid otit. Nord. med. tskr., 1934, **8:** 1067–70.—**Bijtel, J.** Labyrinthaire verwikkelingen bij acute en chronische middenoorontsteking. Ned. tschr. geneesk., 1949, **93:** 3534–41.—**Branchi, P. P.** Sulle indicazioni della labirintotomia e sulla opportunità di eseguire a freddo l'operazione radicale nelle labirintiti acute da otomastoiditi croniche riacutizzate. Otorinolar. ital., 1947, **15:** 427–38.—**Brohm, F.** Dva případy ohraničené labyrintitidy s přštěií v horizontálním kanálku jako komplikace prudkého zánětu středoušního. Lék. listy, 1946, **1:** 381–5.—**Campbell, A. A.** Chronic suppurative otitis-media with a fistula of the external semi-circular canal. Canad. M. Ass. J., 1924, **14:** 856.—**Citelli, S.** Preferibile praticare a freddo l'operazione radicale nelle labirintiti da otorrea riacutizzata. Med. internaz., Milano, 1934, **42:** 450–3.—**Dean, L. W., & Wolff, D.** Pathology and routes of infection in labyrinthitis secondary to middle-ear otitis. Tr. Am. Otol. Soc., 1934, **24:** 168–86. Also Ann. Otol. Rhinol., 1934, **43:** 702–17.—**Del Sel, J. A., & Agra, A.** Otitis media aguda: laberintitis supurada tardia laberintectomía; curación. Rev. As. méd. argent., 1937, **50:** 676.—**Fernández Soto, E.** Panotitis unilateral de etiología desconocida, con perdida completa de la función coclear y vestibular. Vida nueva, Habana, 1937, **39:** 320–6.—**Fletcher, J. R.** Discussion of the symptoms and diagnosis of infection of labyrinth resulting from suppurative otitis media. Tr. Am. M. Ass., Sect. Lar. Otol., 1910, 159–67.—**Frenkel, O. M., & Kanevsky, V. L.** [Sensory functions of the vestibular apparatus in acute and chronic otitis] Arkh. biol. nauk, 1936, **44:** 175–84.—**Gerchunoff, G., & Bottinelli, J. A.** Otitis media aguda; mastoiditis; laberintitis difusa completa tardia; laberintectomía. Rev. As. méd. argent., 1936, **50:** 1887–90.—**Germán, T.** Akute Mittelohrentzündung und diffuse eiterige Labyrinthitis. Zschr. Laryng., 1932, **23:** 172–8.—**Hinsberg, V.** Beitrag zur Kenntnis der akuten Labyrinthitis bei akuter Otitis media. Mschr. Ohrenh., Wien, 1930, **64:** 1263–75.—**Hofmann, L.** Eitrige Labyrinthitis mit Fazialparese nach akuter Rezidivotitis; Radikal-Labyrinthoperation; Heilung. Ibid., 1934, **68:** 507–9.—**Holinger, J.** The pathology and prognosis of internal ear complications resulting from inflammatory middle-ear diseases. Tr. Am. M. Ass., Sect. Lar. Otol., 1910, 149–58.—**Kaulich, F.** Chronische Mittelohreiterung, partielle Labyrinthnekrose, vestibuläre Ausschaltung bei erhaltenem Gehör. Mschr. Ohrenh., Wien, 1948, **82:** 37.—**Kecht, B.** Ueber symptomlose Ausschaltung des Labyrinthes bei akuter Mittelohreiterung. Ibid., 1938, **72:** 1137–47.—**Kecskés, Z.** [Sequestration of the labyrinth in chronic suppurative otitis] Orv. hetil., 1939, **83:** 65. Also Acta otolar., Stockh., 1939, **27:** 438.—**Koch, F.** Ueber schwere Labyrinthkomplikationen bei akuten und chronischen Mittelohreiterungen. Mschr. Ohrenh., Wien, 1933, **67:** 1251–6.—**Kopetzky, S. J.** Differential diagnosis in labyrinthitis secondary to otitic infections. Ann. Otol. Rhinol., 1934, **43:** 718–26.—**Krepuska, G.** [Purulent inflammation of labyrinth (302 cases)] Orv. hetil., 1932, **76:** 939–47. Also Verh. ungar. ärztl. Ges., 1933, **5:** 65.—**Lapouge.** Fenestration spontanée en cours d'otite moyenne suppurée chronique. Ann. otolar., Par., 1949, **66:** 575.—**Lillie, H. I.** Suppurative labyrinthitis. Surg. Clin. N. America, 1924, **4:** 513–20.—**Luongo, R. A.** Two cases of diffuse labyrinthitis complicating acute serous otitis media. Laryngoscope, 1933, **43:** 872–5.—**McCoy, J.** Two cases with severe labyrinth symptoms occurring following O. M. C. C. Ibid., 1931, **41:** 420.—**Mackenzie, G. W.** Suppurative labyrinthitis with report of cases. Ann. Otol. Rhinol., 1927, **36:** 1019–59, 18 pl.—**Politzer.** Sobre los cambios patológicos del laberinto en las supuraciones crónicas del oído medio. Bol. lar. otol., Madr., 1904, **4:** 411.—**Pollak, R.** Ein Fall von Otitis med. chron. supp. mit seröser Spätlabyrinthitis. Mschr. Ohrenh., Wien, 1924, **58:** 759.—**Quix, F. H.** [Infection of the labyrinth as complication of middle ear infection] Ned. tschr. geneesk., 1930, **74:** pt 2, 1975–84. ——— Court aperçu des symptômes de labyrinthite des otites moyennes. Bull. Soc. belge otol., 1934, 353–63.—**Richter, H.** Die Prüfung des Vestibularapparates und ihre klinischdiagnostische Bedeutung. Med. Klin., Berl., 1930, **26:** 761–3.—**Ruf.** Mastoiditis mit eitriger Labyrinthitis bei Persistenz des Hiatus subarcuatus. Zschr. Hals &c. Heilk., 1928, **20:** 199–201, Disc., 212–24.—**Ruttin, E.** Zur Pathologie der akuten Otitis und der Labyrinthitis bei akuter Otitis. Mschr. Ohrenh., Wien, 1927, **61:** 451–9, 4 pl.—**Schmidt, V.** [Labyrinthine oedema with acute middle ear suppuration] Hospitalstidende, 1926, **69:** 801–16. Also Acta otolar., Stockh., 1926–27, **10:** 541–56.—**Simpson, W. L.** Chronic suppurative otitis media with fistula of the labyrinth. Memphis M. J., 1945, **20:** 174.—**Smeraldi, R.** Contributo allo studio delle complicazioni rare delle flogosi purulente della cassa timpanica; necrosi e sequestro del labirinto posteriore. Ann. laring., Tor., 1946, **45:** 8–16.—**Sørensen, K.** [Case of otitis media, complicated by facial paralysis and labyrinthitis, developed as a sequel of instillation of alcohol and pressure on the tragus] Nord. med., 1939, **4:** 3858.—**Spira, J.** Ueber operative Indikation in Fällen akuter diffuser Labyrinthitis im Verlauf akuter eitriger Mittelohrentzündung. Mschr. Ohrenh., Wien, 1936, **70:** 695–708. Also Polska gaz. lek., 1936, **15:** 26–9.—**Tamari, M., & Hirsch, L.** The treatment of chronic suppurative otitis media with positive fistula symptoms. Illinois M. J., 1945, **87:** 144.—**Thornval, A.** Tilfaelde af otit. med. chr. suppurat. med labyrintfistel og labyrintitis og meningitis. Nord. med., 1943, **18:** 962.—**Truffert, P.** Labyrinthite aiguë suppurée, réaction méningée; évidement pétro-mastoïdien; trépanation labyrinthique; guérison. Bull. méd., Par., 1924, **38:** 612.—**Urbantschitsch, E.** Beiderseitiges Fistelsymptom (Hennebert) bei einseitiger chronischer Mittelohreiterung; konservative Radikaloperation ohne Erhaltung des Ambosses mit bedeutender Hörbesserung. Mschr. Ohrenh., Wien, 1937, **71:** 865.—**Watkyn-Thomas, F. W.** Two unusual cases of suppurative labyrinthitis. J. Lar. Otol., Lond., 1931, **46:** 332–5.—**Winston, J.** Acute suppurative labyrinthitis complicating acute otitis media; report of case. Pennsylvania M. J., 1934, **37:** 490.—**Wright, R. P.** Chronic suppurative otitis media with labyrinthitis. Arch. Otolar., Chic., 1939, **30:** 140.

—— latent.

See also subdivisions (infantile: Manifestation; masked)

Alexander, G. Ueber latente Otitis. Zschr. Hals &c. Heilk., 1926, **14:** 1–8.—**Amarante, R.** Oto-antrite latente. Hora med., Rio, 1939, **3:** No. 5, 33.—**Baptista, V.** Otites ignoradas. Pediat. prát., S. Paulo, 1942, **13:** 269; 1943, **14:** 245.—**Goris, C.** Un cas d'otite latente à symptomatologie exceptionnelle. Ann. Inst. chir. Bruxelles, 1927, **28:** 81.—**Gotō, T., & Kawahara, H.** Nyūyō-hōka no saisei to senzai-sei ensyō [on regeneration of the mastoid cells and on latent inflammation] Zibiinkoka, 1949, **21:** 95–7.—**Horníček.** [Histological changes in case of latent otitis] Cas. lék. česk., 1927, **66:** 514–8.—**Joslin, C. L.** The frequency of unrecognized otitis media in children. Bull. Univ. Maryland School M., 1926–27, **11:** 156–61.—**Montandon, A.** Les oto-mastoïdites latentes. Praxis, Bern, 1939, **28:** 705–7.—**Renaud, M.** Les otites latentes et méconnues; leur importance dans les états infectieux. J. méd. fr., 1924, **13:** 384–9.—**Tavares, A.** Otite latente. Rev. brasil. otorinolar., 1940, **8:** 323–9.—**Wolfkovich, M. I.** O diagnostike i lechenii tak nazyvaemykh latentnykh otitov i antritov v grudnom vozraste. Vest. otorinolar., 1945, **7:** No. 2, 10–8.

—— Lateralization.

See also subdivision (bilateral)

Cann, R. J. Three cases of chronic suppurative otitis media on the right (i. e., the exposed) side of motor drivers. Proc. R. Soc. M., Lond., 1927–28, **21:** Sect. Otol., 5.—**Griolet.** Considérations anatomo-cliniques sur la prédominance possible de latéralisation à gauche des otites suppurées. Bull. Soc. méd. mil. fr., 1946, **40:** 117–9.—**Kindler.** Akute Mittelohrentzündung mit Neurolabyrinthitis der anderen Seite (sympathische Otitis) Hals &c. Arzt, T. 2, 1936, **42:** 64.

—— Mandibular joint.

BURGASS, H. *Beitrag zur Kenntnis der otogenen entzündlichen Durchbrüche in das Unterkiefergelenk. 28p. 8° Greifsw., 1933.

Bercher. Arthrite temporo-maxillaire consécutive à une oto-mastoïdite. Bull. Soc. méd. mil. fr., 1933, **27:** 34–7.—**Kaulich, F.** Ueber Kiefergelenkskomplikationen bei Mittelohreiterungen. Mschr. Ohrenh., Wien, 1944, **78:** 415–21.—**Petropoulos, G.** Die Beteiligung des Kiefergelenkes bei entzündlichen Ohrenerkrankungen. Zschr. Hals &c. Heilk., 1940–41, **47:** 412–29.—**Shambaugh, G. E., jr.** Involvement of the jaw joint in acute suppurative otitis media. Arch. Otolar., Chic., 1941, **33:** 975–81.

—— Manifestation.

See also other subdivisions (Clinical aspect; Diagnosis; Fever; infantile: Manifestation; latent; masked, etc.) also such terms as **Earache; Mastoiditis,** Manifestation; **Tinnitus; Vertigo.**

Caliceti, P. Sull'esistenza di un frequente punto doloroso della mastoide all'apice nelle suppurazioni timpaniche acute. Boll. mal. orecchio, 1926, **44:** 133–7.—**Frenzel, H.** Massives Fistelsymptom ohne Fistel bei Mittelohreiterungen; Pseudofistelsymptom mit Verzögerung nach starker Kompression. Arch. Ohr. &c. Heilk., 1943, **152:** 207–21.—**Got.** Le signe du

sou dans les otites avec épanchement. Gaz. sc. méd. Bordeaux, 1924, 45: 154. Also Bull. Soc. méd. chir. Bordeaux (1924) 1925, 44–6.—**Grimoud, P.** A propos de la valeur séméiologique des points douloureux mastoïdiens au cours des otites aiguës suppurées. Toulouse méd., 1946, 47: 546–51.—**Kakljugin, P.** [Role of old age in the semeiology of otitis] Cas. lék. česk., 1929, 68: 812.—**Layton, T. B.** The earliest physical signs of otitis media. Proc. R. Soc. M., Lond., 1933, 26: 568–72.—**Leiri, F.** Ueber Ohrensausen bei Mittelohraffektionen. Mschr. Ohrenh., Wien, 1930, 64: 805–8.—**Maffeo, L.** Semiologia delle otiti medie. Morgagni, 1930, 72: 1565–9.—**Miyakogawa, T.** Ueber den Mastoidismus. Zschr. Otorhinolar., Tokyo, 1938, 44: 42–4.—**Popper, J.** Chronische Otitis mit seit kurzer Zeit aufgetretenen Schwindelanfällen vom Typus Ménière. Mschr. Ohrenh., Wien, 1924, 58: 758.—**Quix, F. H.** De klacht duizeligheid bij bestaande middenoorontstekingen en andere aandoeningen. Ned. tschr. geneesk., 1943, 87: 723–8.—**Reaves, R. G.** Acute otitis media with pain in trigeminal region. J. Tennessee M. Ass., 1932, 25: 88–94.—**Salaris, E.** Contributo al significato dei dolori nevralgici a carico del trigemino nelle otiti medie purulente acute. Med. prat., Nap., 1928, 13: 57–62.—**Velloso, A. L.** As mastoidites atípicas. An. otorinolar., Recife, 1936, 2: 1–13.—**Watkyn-Thomas, F. W.** Vertigo in suppurative conditions of the middle ear. Brit. M. J., 1931, 2: 242–6.—**Yosida, S.** Tyūzien no gappei-syō. Tiryo, 1946, 28: 77–84. ——— Tyūzien to tōtū [otitis media and pain] Rinsyo igaku, 1948, 33: No. 2, 24–7.—**Yosida, T.** Tyūzien kanzya no tōi [position of the head of a person suffering with otitis media] Dōzin igaku, 1934, 7: 883.

—— masked.

See also other subheadings (latent; Treatment: Chemotherapy)

Barrett, J. H. Acute mastoiditis masked by penicillin therapy. Ann. Otol. Rhinol., 1947, 56: 134–40.—**Cirillo, A. A.** Masking of the pathologic status in otitis media by chemotherapy. Arch. Otolar., Chic., 1942, 36: 541–7.—**Fine, J.** Sulpha-masked mastoiditis: report of a case. S. Afr. M. J. 1949, 23: 512–4.—**Franck, G.** Mastoïdites et sulfamidothérapie. Concours méd., 1943, 65: 973–5.—**Mariani, M. A.** Cuadro clínico de las infecciones de origen ótico obscurecido por la sulfanilamida. Bol. As. méd. Puerto Rico, 1940, 32: 15.—**Maybaum, J. L., Snyder, E. R., & Coleman, L. L.** Experiences with sulfanilamide therapy for otogenous infections; with special reference to masking of the clinical course. Arch. Otolar., Chic., 1939, 30: 557–75. ——— The value of sulfanilamide in otogenous infections, with special reference to its masking effect. J. Am. M. Ass., 1939, 112: 2589–92.—**Rezende Barbosa, J. E.** Otite média aguda complicada de mastoidite mascarada pela sulfanilamidoterapia. Rev. brasil. otorinolar., 1945, 13: 83–7.—**Terracol, J., & Guibert, H. L.** Les lésions histologiques des mastoïdites masquées par les sulfamides. Ann. otolar., Par., 1947, 64: 125–7.—**Wilner, A. S.** Masking of mastoiditis symptoms by penicillin. J. M. Soc. N. Jersey, 1946, 43: 140.

—— Mastoid.

See also **Mastoiditis; Petritis.**

Aloin, M. H. A propos de la suture immédiate et totale dans les mastoïdites aiguës. Ann. otolar., Par., 1949, 66: 481–3.—**Barlow, R. A.** Discussion of acute otitis media with mastoiditis. Wisconsin M. J., 1926, 25: 81–3.—**Blaquière, G.** Mastoïdite masquée par sulfamidothérapie mal dirigée. Otorhinolar. internat., Lyon, 1946, 30: 159–61.—**Bolotte, M.** Otites moyennes aiguës prolongées et mastoïdites latentes. Arch. méd. pharm. mil., 1932, 92: 167–75.—**Citelli.** Sur la périostite mastoïdienne chez les enfants et sur la périostite mastoïdienne consécutive à l'otite moyenne aiguë en général. Otorhinolar. internat., Lyon, 1921, 5: 97–110.—**D'Aló Salerno, E.** Oto-antrite e abcesso retro-auricular; osteite do conduto. Rev. brasil. otorinolar., 1943, 11: 89–96.—**Davies, T. A.** When is a middle-ear a mastoid? Eye Ear &c. Month., 1938–39, 17: 236.—**Dolowitz, D. A., & Wakefield, R. H.** A case of mastoiditis without apparent otitis media. Ann. Otol. Rhinol., 1949, 58: 512–6.—**Driver, W. E.** The dwarfed and deformed mastoid a sequel to imperceptible mastoiditis complicating chronic suppurative otitis media. Tr. Tristate M. Ass. Carolinas & Virginia, 1906, 8: 336–56.—**Effler, L. R.** A flurry in mastoids. Laryngoscope, 1928, 38: 671–6.—**Germán, T.** [Inflammation of the middle ear and necrosis of the mastoid process] Orv. hetil., 1928, 72: 440–2. Also Arch. Ohr. &c. Heilk., 1928, 118: 235–40.—**Helsmoortel, J.,** jr. Les mastoïdites et leurs complications. Otorhinolar. internat., Lyon, 1923, 7: 65–8.—**Kerekes, G.** Ueber die Veränderung des Krankheitsbildes der Mastoiditis. Pract. otorhinolar., Basel, 1947, 9: 138–47.—**Kubo, M.** Komaku syoken wo kaku nyūyōtokkien ni tuite [mastoiditis without symptomatic indications on the part of the tympanic membrane] Zibiinkoka rinsyo, 1942, 37: 1107–9.—**Latorre Agüero, A.** Mastoiditis aguda sin perforación timpánica. Rev. med., Valparaíso, 1945–46, 19: 516–20.—**Lilly, J. M.** The importance of the early diagnosis and treatment of the mastoid complication of middle ear disease. Tr. M. Soc. N. Carolina, 1908, 55: 594–6.—**Nieuwenhuijse, A. C.** Chemotherapie bij dreigende mastoidcomplicaties. Ned. tschr. geneesk., 1946, 90: 1420.—**Nisihata, T.** Kyūsei tyūzien no baai nyūyō-hōka wa itu okasareru ka? [when will the cellulae mastoideae be attacked in case of acute otitis media?] Zibiinkoka rinsyo, 1942, 37: 1–6.—**Novotny, O.** Mastoiditis bei durch Sulfonamide ausgeheilter Mittelohrentzündung. Mschr. Ohrenh., Wien, 1948, 82: 460–2.—**Opheim, O.** Acute purulent middle ear lesions and the pneumatic cellular system in the mastoid process. Acta otolar., Stockh., 1941, 29: 251–72.—**Oppegaard, C. L.** Acute suppurative otitis media and mastoiditis. Eye Ear &c. Month., 1938–39, 17: 202–5.—**Price, C. E.** The early recognition and treatment of mastoid involvement in otitis media. Proc. Aesculap. Soc. Wabash Valley, 1921, 6: 179–82.—**Reverchon, L., & Worms, G.** Etude radiologique des altérations de l'apophyse mastoïde dans les otites aiguës et chroniques. Otorhinolar. internat., Lyon, 1923, 7: 201–18.—**Richter, H.** Die Aussenfläche des Warzenfortsatzes bei entzündlichen Krankheiten des Mittelohres. Münch. med. Wschr., 1943, 90: 143–6.—**Roll-Hansen, D. H.** Is there always present a mastoiditis in serious complications derived from inflammatory conditions in the middle-ear? Acta otolar., Stockh., 1942, 30: 272–5.—**Sargnon, A.** Trois cas récents de mastoïdites graves. Otorhinolar. internat., Lyon, 1940, 24: 225–8.—**Shambaugh, G. E.** Acute otitis media complicated by mastoiditis. Surg. Clin. N. America, 1932, 12: 137–44.—**Shea, J. J.** Acute infections of the middle ear and the mastoid cells. South., M. J., 1937, 30: 322–6.—**Tangen, G. M.** Chronic otitis media and mastoiditis. Staff Meet. Bull. Hosp. Univ. Minnesota, 1942–43, 14: 72–84.—**Tibbets, A. P.** Gross pathological changes in mastoids on various days following the onset of acute suppurative otitis media. Laryngoscope, 1934, 44: 369–72.—**Tivnen, R. J.** Middle-ear & mastoid infections. Med. Clin. N. America, 1926, 9: 1283–303.—**Vreeland, R. J.** Otitis media and acute mastoiditis. J. Ophth. Otol., 1929, 33: 293–307.—**Wada, T.** Zien-sei gappei-syō toku-ni nyūsi-tokkien no sindan ni tuite [diagnosis of otitic complications, especially mastoiditis] Tohoku igaku zassi, 1934–35, 17: Suppl., 2, 50–61.—**Watson-Williams, E.** Specimen, sequestrum of the mastoid cells. Proc. R. Soc. M., Lond., 1935–36, 29: 1126.—**Yamasaki, S.** Kyūsei tyūzi-en gappei-syō; nyūyō-tokki-en syoki sindanhō tosite dasin oyobi onsya kensa-hō [complications of acute otitis media; percussion and tuning-fork methods as a diagnosis in the early stage of mastoiditis] Zibiinkoka rinsyo, 1943, 38: 591–7.

—— Meningitis.

See also other subdivisions (Complications; Cranium; Labyrinthitis) also **Meningitis, otogenous.**

FORTIN, J. *Le problème de la mastoïdite au cours de la sulfamidothérapie des otites aiguës. 66p. 24cm. Par., 1946.

Aboulker, H. Essai de classification des méningites d'origine otitique. Avenir méd., Lyon, 1937, 34: 118–20. ——— **Brissac & Flogny.** Méningite ventriculaire avec paralysie du membre supérieur, suite d'otite; opération; guérison. Algérie méd., 1931, 35: 338–40.—**Acute** otitis media, mastoiditis, sinus thrombosis, fibrinopurulent meningitis (S. hemolyticus) Bull. Staff Meet. Minnesota Gen. Hosp., 1930–31, 2: No. 19, 6.—**Adam, J., & Connal, E. A. M.** Purulent meningitis; nine consecutive cases with seven recoveries. J. Lar. Otol., Lond., 1937, 52: 87–97.—**Akune, M.** Zisei sōki nōmaku-en. Dōzin igaku, 1937, 10: 265–72.—**Amagisi, T.** Zi-sei kanō-sei nōmaku-en no ni tiken rei [two cases of cure ...] Zibiinkoka, 1949, 21: 203–6.—**Ballenger, H. C.** A case of chronic suppurative otitis media, facial paralysis, circumscribed meningitis and acute labyrinthitis. Ann. Otol. Rhinol., 1941, 50: 286.—**Bodechtel, G., & Richter, H.** Beiträge zur pathologischen Anatomie des Ohres; Otitis media acutissima und Labyrinthitis purulenta links, Meningitis purulenta; doppelseitige vestibulare Unerregbarkeit infolge Zellerkrankung in den Vestibulariskernen (zugleich ein Hinweis auf die Anordnung der Funktion im Kerngebiet des N. vestibularis) Arch. Ohr. &c. Heilk., 1935, 140: 126–36.—**Bousis, P.** Méningite otogène et sulfamidothérapie. Acta otorhinolar., Brux., 1948, 2: 387–94.—**Bradfield, S. G.** Meningitis following acute otitis media treated with sulphapyridine. Med. J. Australia, 1942, 1: 529.—**Bradley, B.** Chronic otitis media and mastoiditis, lateral sinus thrombosis, labyrinthitis, serous meningitis, operation, recovery. S. Michael Hosp. M. Bull., Toronto, 1928, 3: 67–9.—**Bühr, R.** Chronische Mittelohreiterung mit Perforation der Membrana Shrapnelli, Verdacht auf Kleinhirnabszess; Liquorstauungszyste infolge Pachymeningitis haemorrhagica interna. Zschr. Laryng., 1931, 21: 443–7.—**Buzoianu, G.** Die tympano-mastoidale Kraniotomie, eine Typus-Operation der fokalen Chirurgie bei otitischer Meningitis. Mschr. Ohrenh., Wien, 1943, 77: 264–9.—**Chavanne, F., & Troullieur, M.** Un cas de rhumatisme cérébral en ayant imposé quelque temps pour des complications méningées d'origine otique. Otorhinolar. internat., Lyon, 1922, 6: 617–9.—**Chimani.** Hämatogene Herdosteomyelitis nach komplizierter Otitis media (Meningitis, Pyramidenspitzensymptome) Mschr. Ohrenh., Wien, 1941, 75: 356–8.—**Chronic** otitis media, mastoiditis (acute exacerbation) fibrinopurulent meningitis. Bull. Staff Meet. Minnesota Gen. Hosp., 1930–31, 2: No. 19, 7–9.—**Conde Jahn, F., & Castro, P. B.** Meningitis otógena tratada y curada por la paramidofenilsulfamida intravenosa. Arch. venezol. Soc. otorinolar., 1940, 1: 1–10.—**Crowe, S. J.** Inflammation of the ear in meningitis based on the study of the pathological

findings in 75 cases. Tr. Am. Otol. Soc., 1928, **18**: 210–4.—**Delsaux, V.** Otite moyenne purulente; abcès du cerveau; évidement petromastoïdien et trépanation de la fosse cérébrale moyenne; ponction et drainage de l'abcès; méningite; mort; autopsie. Bull. Soc. belge otol., 1902, **7**: 54–9.—**Dethès, C.** Suppression de la plastique de la conque et du conduit, après évidement pétro-mastoïdien, dans l'une des indications de cette intervention; complication méningée d'otite moyenne aiguë. Rev. laryng., Bord., 1949, **70**: 93.—**Devic & Ricard.** Arachnoïdite de la fosse postérieure, séquelle d'otite suppurée ancienne; névralgies du trijumeau; opération; guérison. Lyon chir., 1938, **35**: 690–4.—**Dintenfass, H.** Streptococcic otitic meningitis with recovery. Tr. Coll. Physicians, Philadelphia, 1936–37, **4**: 40.—**Ebert, E.** Otite aiguë, méningite à streptocoques, opération, guérison. Acta otolar., Stockh., 1933–34, **19**: 506–8. ——— Otite moyenne aiguë compliquée de mastoïdite et de méningite purulente; guérison. Sem. hôp., Par., 1949, **26**: 384–8.—**Feenstra, J. A.** Dood aan meningitis na otitis media gevolg van een ongeval? Geneesk. tschr. Rijksverzek., 1929, **14**: 179; 211.—**Ferretti, C.** Sulla leptomeningite da otite acuta (contributo clinico) Arch. ital. otol., 1925, **36**: 628–37.—**Fischer, H.** Kritische Bemerkungen zur Sulfananid- und Penicillinbehandlung bei otogenen und rhinogenen Meningitiden. Zschr. Laryng., 1948, **1**: 247–60.—**Fonvieille.** Méningite purulente septique et paralysie faciale otogènes. Bull. Soc. méd. mil. fr., 1926, **20**: 180–5.—**Franchini, Y.** Meningitis por otitis media aguda supurada; accidente por sulfamida intrarraquídea; curación. Prensa méd. argent., 1944, **31**: 660–3.—**Gotō, T.** Zi-sei kanō-sei nōmakuen ni okeru nōsekizui-eki Ca, K, Mg oyobi P-ryō no syōtyō ni tuite [das Ca-, K-, Mg- und P-wechsel der Cerebrospinal-flüssigkeit bei der otogenen Meningitis] Nagasaki igakkai zassi, 1934, **12**: 1248–62.—**Guillemet, Hurez** [et al.] Oto-mastoïdite avec septico-pyohémie; méningite à streptocoque; guérison par la sérothérapie (sérum anti-pneumococcique) associée à ligature de la jugulaire. Ann. otolar., Par., 1933, 830–2.—**Guillemin, M.** Méningite otitique à pneumocoque; évidement, sulfamidothérapie, guérison. Otorhinolar. internat., Lyon, 1945, **29**: 90.—**Hamon & Bolzinger.** Méningite à streptocoques hémolytiques d'origine otitique, traité par le sérum de H. Vincent et la mastoïdectomie. Bull. Acad. méd., Par., 1936. 3. ser., **115**: 163–6.—**Hazama, T.** Zur Kenntnis der Entstehung der bei akuter Mittelohrentzündung auftretenden Spätmeningitis. Mschr. Ohrenh., Wien, 1928, **62**: 680–9.—**Hétroit.** Réflexions sur deux cas de méningites otiques non guéries par les sulfamides. Rev. laryng., Bord., 1944, **65**: 3–8.—**Hofer, I.** Rechtsseitige Abduzenslähmung infolge traumatischer, zirkumskripter seröser Meningitis im Verlaufe einer beiderseitigen chronischen Mittelohreiterung. Mschr. Ohrenh., Wien, 1925, **59**: 687–96.—**Huizinga, E.** [Intradural complications in chronic and acute middle ear inflammation] Geneesk. gids, 1925, **3**: 561–70.—**Ibos, F.** Les méningites otitiques et la pénicilline. Rev. laryng., Bord., 1947, **68**: 330–79.—**Itō, T., & Sone, Z.** Tō-kyōsitu ni okeru zi-sei kanō-sei nōmaku-en no tiryō ni tuite no keiken [experience in the treatment of otitic suppurative meningitis] Zibiinkoka rinsyo, 1948, **41**: No. 3, 7–10.—**Iubu, M., Dumitras, P., & Cernescu, M.** Méningite otique chez un enfant de 16 mois guérie par craniectomie tympano-mastoïdicnne et administration de sulfamides. Rev. sc. otorhinolar., Cluj, 1946, **10**: 49–54.—**Joglekar, G. V.** Meningitis of otitic origin. Antiseptic, Madras, 1941, **38**: 843–6.—**Kasiwado, T.** Mucosus-kin tyūzi-en-sei nōmaku-en to rensazyō-kyūkin kyū-sei tyūzi-en-sei nōmaku-en to no rinsyō syoken no hikaku kōsatu narabi-ni Sulfonamid-zai tikō ni kan-suru rinsyō-teki kansatu [comparative studies on clinical observation on otitic meningitis caused by Streptococcus mucosus and on acute streptococcal otitic meningitis, and clinical observations on the efficacy of treatment with sulfonamide preparations] Nippon zibiinkoka gakkai kaiho, 1947–48, **51**: 73–8.—**Konno, I.** Zi-sei nōmaku-en no sindan to tiryō [diagnosis and treatment of otitic meningitis] Iwate igaku gakko zassi, 1938–39, **3**: 141–58.—**Lachmann.** Otitis media perforativa, Mastoiditis, Sinusthrombose, Meningitis serosa, Heilung. Fol. otolar. orient., 1937, **4**: 27–9.—**Lillie, H. I.** Otitis media, labyrinthitis and meningitis complicating pregnancy; successful treatment. Minnesota M., 1941, **24**: 853–5.—**Lindsay, J. R.** Chemotherapy in the treatment of complications of acute middle ear suppuration; petrositis and meningitis. Ann. Otol. Rhinol., 1941, **50**: 159–77.—**Mayer, O.** Ueber die Ursache der Entstehung der Meningitis in den ersten Tagen einer Otitis media. Wien. med. Wschr., 1927, **77**: 718–20. ——— Zwei Fälle von Frühmeningitis bei akuter Mittelohreiterung. Arch. Ohr. &c. Heilk., 1928, **119**: 247–69.—**Mengoni, S.** Sindrome meningea emorragica in otomastoidite purulenta cronica riacutizzata; radicale orecchio; drenaggio meningeo alla Cushing. Otorinolar. ital., 1935, **5**: 56–69.—**Mercadino, C. P., Bertelli, J. A., & Thompson, V. E.** Otitis media aguda complicada; meningitis aséptica; meningo-operación; curación. Rev. med., B. Air., 1941, **3**: 184–7.—**Mesolella, V.** Sull'uso della terapia sulfamidica nelle meningiti otitiche. Atti Clin. otolar. Napoli (1942–43) 1943, **16**: 245–62.—**Nakamura, H., Isoda, R., & Itō, T.** Zi-sei kanō-sei nōmaku-en no keidōmyaku tyūsya ryōhō [treatment of purulent, otitic meningitis with injections into the carotid] Kyoto hurituu ika daigaku zassi, 1946, **42**: 41–4.—**Nobécourt, P., & Rosenkovitch, E.** Méningite puriforme aseptique et paralysie faciale après une otite moyenne aiguë suppurée. Bull. Soc. pédiat. Paris, 1939–40, **37**: 458–64.—**Novotny, O.** Zur Klinik der otogenen Meningitis (symptomarme otogene Meningitis) Mschr. Ohrenh., Wien, 1948, **82**: 487–95.—**Ota, Z.** Ni-ka-getu-yo ni watareru zizoku-teki nōsekizui-eki haisyutu ni yori tiyu-seru zi-sei kanō-sei nōmakuen [otitic, suppurative meningitis cured by continuous drainage of the cerebrospinal fluid for over two months] Zibiinkoka rinsyo, 1949, **34**: 200–3.—**Pietrantoni, L.** Meningiti otogene post-traumatiche; trattamento chirurgico. Boll. Soc. med. chir. brescia., 1932, **6**: 137–9.—**Piquet, J., & Duncrocq, R.** Les méningites labyrinthogènes des otites aiguës. Ann. otolar., Par., 1948, **65**: 447–55.—**Podestá, R.** Otitis media supurada aguda; mastoiditis; absceso de la región superior y lateral de la nuca; meningitis purulenta otógena a estreptococos; operación de Holmgren-Fraenckner. Rev. As. méd. argent., 1936, **50**: 1589–95.—**Portela Rodríguez, J.** Accidentes hipertensivos meníngeos de origen otógeno. Bol. cult. Cons. gen. Col. méd. España, 1949, **7**: No. 32, 21–6.—**Predescu-Rion.** Otite aiguë, méningite, opération, guérison. Ann. otolar., Par., 1933, 456–8.—**Rimini, E.** Otite piogenica cronica e labirintite diffusa; operazione radicale dell'orecchio medio; guarigione; di un caso di mastoidite da otite acuta, complicata da meningite asettica, operata e guarita. Valsalva, 1934, **10**: 456.—**Sage, R. A.** Mastoiditis with meningitis, tympanic membrane intact; four cases. Tr. Indiana Acad. Ophth. Otolar. (1939) 1940, **23**: 26–30.—**Salvadori, G.** Meningite purulenta otogena; trattamento sulfamidopenicillinico. Otorinolar. ital., 1948, **16**: 367–72.—**Schlander, E.** Otitis media acuta suppurativa sinistra; Labyrinthsymptome; abscessus lobi temporalis sin.; Meningitis basalis: Demonstration des pathologisch-anatomischen Präparates. Mschr. Ohrenh., Wien, 1934, **68**: 101–5.—**Scuderi, R.** Cecità unilaterale totale secondaria a meningite otogena trattata con sulfamidici e penicillina. Arch. ital. otol., 1947, **58**: 98–105.—**Soubiron, N. v.** Otitis media aguda supurada; laberintitis difusa; meningitis. Rev. As. méd. argent., 1933, **46**: 3360–2.—**Stewart, J. P.** Acute suppurative otitis media and mastoiditis (R) manifest diffuse labyrinthitis, meningitis; recovery. J. Lar. Otol., Lond., 1946, **61**: 651–3.—**Stupka, W.** Frühmastoiditis mit Streptokokkenmeningitis und Schläfelappenabszess; Heilung durch Operation und Sulfonamidstösse. Mschr. Ohrenh., Wien, 1946, **79**:–**80**: 44–8.—**Suster, M.** Priebeh otogennej meningitídy pri dnešnom stave jej liečby. Bratisl. lek. listy, 1948, **28**: 534–53.—**Tatigi, Y., & Ohuti, Z.** Zi-sei kanō-sei nōmakuen tiken rei [cases of successful treatment of otitic, suppurative meningitis] Rinsyo & kenkyu, 1948, **25**: 359–63.—**Tawse, H. B.** Acute middle-ear suppurative (left) with temporal lobe abscess and meningitis; recovery. J. Lar. Otol., Lond., 1927, **42**: 532–4.—**Tetera, F.** Ein Fall otogener Meningitis mit einer posthaemorrhagischen Zyste im Frontallappen. Mschr. Ohrenh., Wien, 1948, **82**: 477–80.—**Tobey, H. G., Mysel, P., & Heine, L. H.** Chronic suppurative hemorrhagic otitis media on right side; chronic destructive labyrinthitis, facial paralysis and meningitis; with labyrinthectomy. Arch. Otolar., Chic., 1938, **27**: 501–3.—**Tuiki, Y.** Zi-sei kanō-sei nōmaku-en. Otorhinolaryngologia, Tokyo, 1937, **10**: 357–60.—**Turtur, G.** Due casi di otomastoidite acuta e meningite operati e guariti col concorso di sulfamido-piridinici per os e per via endorachidea. Boll. mal. orecchio, 1942, **60**: 89–94.—**Unterberger, S.** Akute Otitis media mit frischem Innenohreinbruch, diffuser Otitis int. pur. trotz einzeitiger Labyrinthektomie, foudroyante Meningitis mit tödlichem Ausgang. Mschr. Ohrenh., Wien, 1939, **73**: 726.—**Williams, A. W.** Bacteriology of meningitis following otitis media and related infections. Ann. Otol. Rhinol., 1934, **43**: 667–71.—**Williams, H. L., Herrell, W. E.** [et al.] Otitic meningitis; review of the literature and report of results five years before and since the introduction of chemotherapy. Tr. Am. Otol. Soc., 1942, **32**: 61–107.

—— Meningitis: Epi- and subdural abscess.

See also subdivision Brain abscess.

Arauz, S. L., & Tato, J. M. Síndrome de Gradenigo, empiema del apex y absceso extradural periapical. Rev. As. méd. argent., 1933, **46**: 3347–53.—**Bettin, G. G.** Otite purulenta; ascesso extradurale dopo dieci mesi. Boll. mal. orecchio, 1933, **51**: 139–46.—**Capps, F. C. W.** Acute exacerbation of chronic suppurative otitis media; extradural abscess; complete hemianopia. Proc. R. Soc. M., Lond., 1934–35, **28**: 234. Also J. Lar. Otol., Lond., 1935, **50**: 371.—**Chavanne.** Absceso extradural á distancia de origen otítico, abierto espontáneamente á través del parietal. Bol. lar. otol., Madr., 1904, **4**: 409.—**Gutiérrez Manzanedo, J.** Meningitis otógena y abscesos extradural. Med. & cir. guerra, 1949, **11**: 341–4.—**Hens, E.** Ueber Subduralabszesse bei Mittclohrentzündungen. Zschr. Laryng., 1929–30, **19**: 143–5.—**Kaulich, F.** Chronische Otitis, Labyrinthitis, Meningitis, Sinusthrombose, Extraduralabszess der mittleren Schädelgrube mit Herdsymptomen, tiefer Extraduralabszess der hinteren Schädelgrube. Mschr. Ohrenh., Wien, 1948, **82**: 182–4.—**Lapouge.** Abcès extradural et intradural d'origine otitique. Rev. otoneur., Par., 1937, **15**: 602.—**Matschnig, F.** Chronische Otitis, Extraduralabszess mit Herdsymptomen. Mschr. Ohrenh., Wien, 1948, **82**: 128. ——— Anscheinend latente Otitis, Extraduralabszess, Meningitis. Ibid., 456–8.—**Neville, W. S. T.** Extradural abscess following on a cured otitis media. J. Lar. Otol., Lond., 1944, **59**: 296.—**Oppikofer, E.** Pulsation des Gehörgangeiters und Extraduralabszess. Arch. Ohr. &c. Heilk., 1929, **120**: 73–6.—**Portmann, G.** Voie anormale d'extériorisation d'un volumineux abcès extra-dural d'origine otique. Gaz. sc. méd. Bordeaux, 1926, **47**: 11–3.—**Richter, H.** Beiträge zur pathologischen Anatomie des Ohres; über das sublabyrinthäre Em-

pyem, Otitis media acuta mit sublabyrinthärem Empyem, dreifachem Labyrintheinbruch, extraduralem und peribulbärem Abszess und Labyrinthogener Meningitis. Arch. Ohr. &c. Heilk., 1936, **142**: 28–36.—**Scalori, G.** Vasto ascesso estradurale otogeno in un fanciullo di 8 anni. Valsalva, 1929, **5**: 151–5.—**Soubiron, N. v.** Otitis media subaguda; absceso extradural profundo de la cara posterior del peñasco; laberintitis difusa secondaria; meningitis. Rev. As. méd. argent., 1934, **48**: 1216–8.—**Tobey, H. G., & Lovesey, B. E.** A case of chronic suppurative otitis media, extradural abscess and petrositis. Arch. Otolar., Chic., 1935, **22**: 268.—**Tobey, H. G., Mysel, P.** [et al.] Acute otitis media with epidural abscess and meningitis. Ibid., 1944, **40**: 418.—**Vialle, J.** Sur une forme rare de complication otitique; abcès extradural de la fosse cérébelleuse évacué spontanément dans le cou à travers l'occipital. Ann. mal. orcille, 1928, **47**: 399–401.—**Viklický, J., & Vajshajtl, J.** Případ opouzdřeného subdurálního abscesu při chronickém zánětu středoušním. Cas. lék. česk., 1945, **84**: 1547–52.

—— Metabolism.

Brander, I. B., & Kroliunickaia, T. E. [Polypeptides of the blood in acute and chronic otitis and mastoiditis] Vest. otorinolar., 1938, 351–60.—**Christensen, S.** [Investigations on the chloride ion contents in the blood in acute, suppurative otitis media] Hospitalstidende, 1938, **81**: 1107–10. Also French transl., Acta otolar., Stockh., 1939, **27**: 408–13.—**Davydov, S. M., & Kroliunickaia, T. E.** [Acid-base equilibrium in chronic suppurative otitis of the middle ear] J. ushn. nosov. gorlov. bolez., 1940, **17**: 273–8.—**Kimura, K.** Experimentelle Untersuchungen über den Urobilinogennachweis im Harn bei den Ohr- und deren Folgekrankheiten. Mitt. allg. Path., Sendai, 1930, **6**: 199–316, 2 pl.—**Kōno, Y.** Kyū-sei tyūzien narabi-ni sono zokuhatu sikkan no ketueki catalase-sū ni oyobosu eikyō ni tuite [influence of acute otitis media and sequelae on catalase of blood] Nagoya igakkai zassi, 1943, **57**: 377–413.—**Martini, R. de.** Ricerche sulla cloremia e sulla proteinemia nelle otiti acute. Arch. ital. otol., 1942, **54**: 402–4.—**Mathiesen, H. B.** C-vitamin og otitis media. Nord. med., 1942, **15**: 2685–92.—**Scevola, P.** Variazioni del contenuto in Ca, Mg, P nel siero di sangue, in soggetti con affezioni infiammatorie acute e croniche dell'orecchio. Osp. maggiore, Milano, 1938, **26**: 302–4.—**Smith, C. S.** Basal metabolism in middle ear catarrh. J. Missouri M. Ass., 1931, **28**: 591–5.—**Strier, N. V.** [Determination of reserve alkalinity in otitis] J. ushn. nosov. gorlov. bolez., 1941, **18**: 39–41.—**Vermes, E., & Brügel, S.** Ueber den Kalziumgehalt des Blutserums bei Mittelohrentzündungen. Mschr. Ohrenh., Wien, 1928, **62**: 33; 203.

—— Micrococcus infection.

See also subdivision Sepsis.

Atkarsky, V. A. [Biology of staphylococcus in suppurative otitis] Tr. Nauch. inst. fiziol., 1934, **1**: 396–8.—**Bagge, Anspach** [et al.] Fever, delirium, earache. Case Rep. Child. Mem. Hosp. Chicago, 1943, **2**: No. 10, 16.—**Bourgeois, H.** Guérison d'une otite aiguë à staphylocoque par l'anatoxine de Ramon. Ann. otolar., Par., 1936, 415.—**Heyninx.** Otite staphylococcique latente avec méningite staphylococcique. Arch. internat. laryng., Par., 1924, **30**: 938.—**Krepuska, I.** Durch Micrococcus tetragenes verursachter Fall akuter Mittelohreiterung. Zschr. Hals &c. Heilk., 1926, **16**: 553–5.—**Neter, E., Neuburger, F., & Short, M. L.** Otitis media and mastoiditis in children; bacteriologic studies with special reference to the pathogenicity of staphylococci. Arch. Otolar., Chic., 1942, **35**: 631–9.

—— Military aspect.

See also other subdivisions (Aero-otitis; traumatic)

Biehl, C. Die Bedeutung der chronischen Mittelohreiterung für die Wehrtauglichkeit. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 536–42.—**Borasi, G.** L'otite media purulenta cronica dei militari; osservazioni cliniche e considerazioni medico-legali. Boll. mal. orecchio, 1948, **66**: 66–71.—**Cola, F.** Il guidizio di inabilità al servizio militare per l'otite media purulenta cronica. Gior. med. mil., 1926, **74**: 210–4.—**Del Villar Madrid, R.** Las otitis medias. Bol. san. mil., Méx., 1949, **2**: 229–35.—**De Martini, R.** Per una maggiore utilizzazione degli otitici cronici in tempo di guerra. Boll. mal. orecchio, 1946, **64**: 39–43.—**Guthrie, D.** Report on diseases of the ear, nose and throat in the Army, with special reference to middle ear suppuration as a cause of unfitness for service. J. R. Army M. Corps, 1936, **67**: 36–40.—**McRorie, A. W.** The acute middle ear. J. R. Nav. M. Serv., 1934, **20**: 233–42.—**Neil, J. H.** Acute otitis media and sinusitis in the soldier. N. Zealand M. J., 1943, **42**: 173.—**Nicholson, C. B.** A case of acute otitis media. J. R. Nav. M. Serv., 1937, **23**: 78.—**Otitis** media, acute. Statist. Navy M., 1949, **5**: No. 2, 6–9.—**Otitis** media, chronic. Ibid., 8–12.—**Pallestrini, E.** Traumi indiretti della membrana timpanica con suppurazione secondaria timpano-mastoidea in feriti di guerra. Accad. med., Genova, 1942, **57**: 61–70. ——— Affezioni otitiche secondarie a traumi epicranici, in feriti di guerra. Arch. ital. otol., 1942, **54**: 233–51.—**Richter, H.** Zur Frage der Wehrdienstbeschädigung infolge entzündlicher Erkrankungen des Mittelohres. Münch. med. Wschr., 1939, **86**: 1601–3.—**Schmidt, W.** Dienstauglichkeitsbeurteilung an chronischer Mittelohrkrankheit leidender Soldaten während des Krieges. Ibid., 1943, **90**: 737–9.—**Simonton, K. M.** Study of acute otitis externa with special reference to secondary myringitis and otitis media. Mil. Surgeon, 1947, **100**: 156–64.—**Wolff, E.** The frequency of complications of acute otitis media in the Finnish Army during the years 1931 38 and the years 1945–46. Acta otolar., Stockh., 1948, Suppl. No. 74, 174–9.

—— Mortality.

See also subdivision Prognosis.

Richter, H. Sind Todesfälle als Folge von Entzündungen des Mittelohres vermeidbar? Münch. med. Wschr., 1940, **87**: 1135–9.—**Starna, A.** Le cause di sopramortalità degli otitici ed il rischio di assicurazione vita. Assist. san., Roma, 1933, **2**: 275–89.—**Tamari, M.** Die Todesfälle der otitischen intrakraniellen Erkrankungen. Mschr. Ohrenh., Wien, 1934, **68**: 1190; 1310.—**Wertheim, E.** Zur Frage der Häufigkeit der otogenen Todesfälle. Münch. med. Wschr., 1927, **74**: 1805.

—— Mucosus type.

See also subdivision Diplococcus infection.

CARLENS, E. *Otitic infections due to pneumococcus Type-3; a clinical and immunological study. 81p. 23½cm. Stockh., 1943.
Forms Suppl. No. 48, Acta otolar., Stockh.

CONRAD, O. F. *Beitrag zur Mukosusotitis. 19p. 8° Königsb., 1930.

FRIEBOES, I. *Die Mucosusotitis der Kinder [Hamburg] 16p. 22cm. Gütersloh, 1937.

GRÜB, F. *Beiträge zur akuten Mucosus-Otitis [Frankfurt] 43p. 8° Lengerich, 1937.

HOMAGK, M. *Beiträge zur klinischen Sonderstellung der Mukosus-Otitis [München] 24p. 8° Speyer a. Rh., 1939.

KOENIGE, H. *Schleichende Mastoiditis [Freiburg i. B.] 44p. 21cm. Frankf.-Süd [1938]

ROETHER, E. B. *Otitis media acuta und Streptococcus mucosus am Material der Kieler Ohrenklinik in den Jahren 1925–27 [Kiel] 21p. 8° Darmstadt, 1927.

Abrahams, B. H., & Bonoff, Z. A. Streptococcus mucosus as an etiologic factor in otitis media and mastoiditis. Ann. Otol. Rhinol., 1925–26, **34**: 554–73.—**Alföldy, J.** Mucosus otitis. Orv. hetil., 1934, **78**: mell., 153.—**Bisi, H.** Otitis a neumococus mucosus y diabetes. An. otorinolar. Uruguay, 1940, **10**: 237–53.—**Carlens, E.** Studies of immunity in cases of pneumococcus Type-3 otitis; a preliminary report. Acta otolar., Stockh., 1942, **30**: 291–7.—**Chimani, F.** Ueber Mukosusinfektion des Mittelohres bei Meerschweinchen. Mschr. Ohrenh., Wien, 1940, **74**: 255.—**Duerto, J.** Las otitis medias de Pneumococus mucosus. Med. ibera, 1928, **22**: pt 2, 345–8.—**Eckert-Möbius, A.** Die Mukosusotitis; wie weit ist ihre Sonderstellung berechtigt und praktisch wertvoll? Arch. Ohr. &c. Heilk., 1925–27, **116**: 270–336, 2 pl.—**Fineberg, M.** Report of a case of simulated otitis mucosus. Laryngoscope, 1929, **39**: 737–9.—**Gon, K.** [Experimentelle Studien zur Begründung der Serodiagnose der Mucosus-Otitis mittels der Phagozytose-Erscheinung] J. Chosen M. Ass., 1939, **29**: 1121–35.—**Gontikas, C.** Contribution à l'étude des otites dues aux streptocoques mucosus. In: Livre d'or (Th. Papayoannou) Naumburg, 1932, 120–6.—**Hennebert, C.** Oto-mastoïdite à mucosus. Bull. Soc. belge otol., 1936, 131.—**Huizinga, E.** [Acute middle ear infection by Pneumococcus mucosus] Ned. tschr. geneesk., 1928, **72**: 2658–63.—**Huzita, T.** Zetu-in oyobi huku-sinkei syōgai wo zokuhatu-sesi Mucosus-tyūzien no iti syōrei. Otorhinolaryngologia, Tokyo, 1937, **10**: 201–5.—**Ihsan Duydal, S.** Oto-mastoïdite latente à mucosus. Ann. otolar., Par., 1935, 1101.—**Katō, Y.** Mucosus-tyūzien no san syōrei. Nagoya igakkai zassi, 1943, **57**: 455.—**Kawasaki, T., & Sai, S.** Mucosus-tyūzien narabi-ni suitai hōkaen to ayamararcta zugaitei henpei zyōhi-gan no iti rei [epithelioma of the basis cranii which was wrongly diagnosed as mucosus otitis media and phlegmon of the pyramid] Zibiinkoka rinsyo, 1941, **36**: 332–6.—**Kettelkamp, F. O.** Mucosus otitis. Laryngoscope, 1924, **34**: 44–50.—**Kubo, A., & Aihara, S.** Mucosus tyūzi-en no rinsyō tōkei-teki kansatu [statistical observations on the clinical course of mucosus otitis] Zibiinkōka, 1948, **20**: 249–53.—**Lemaitre, F., Levy-Bruhl, M., & Aubin, A.** Les oto-mastoïdites du Pneumococcus mucosus. Arch. internat. laryng., Par., 1927, **33**: 641–56.—**Lévai, J.** [Inflammation of the middle ear, caused by Streptococcus mucosus] Budap. orv. ujs., 1931, **29**: 563.—**Meller, H.** Die Verlaufsformen der Mukosusotitis [Otitis media subacuta, Rezidiv- oder Intervallform (Kobrak) protrahierte Otitis lenta (Wirth)] Mschr. Ohrenh., Wien, 1943, **77**: 78–97; 1944, **78**: 367.—**Muta, T., & Kitao, T.** Mucous-kin tyūzien no rinsyō-teki kansatu [clinical observations ...] Zibiinkoka rinsyo, 1942, **37**: 31–5.—**Ohzawa, R.** Mucosus-tyūzien ni tuite [Mucosus otitis] Tiryo, 1948, **30**: 20–32.—**Rollin, H.** Beiträge zur Kenntnis der Mucosus-

Otitis. Arch. Ohr. &c. Heilk., 1933, **137**: 333–50. ——— Die Verlaufsformen der Mukosus-Otitis. Mschr. Ohrenh., Wien, 1944, **78**: 94–7.—**Satō, Z.** Mucosus-kin tyūzien. Nippon isikai zassi, 1941–42, **17**: No. 4, 15–7.—**Takahasi, T.** Eine neue Diagnostik der Mukosusotitis mittels der Thermopräzipitation. Tohoku J. Exp. M., 1942, **43**: 189–202.—**Tanaka, H., & Hayasi, T.** Mucosus-sei tyūzien no keiken; Bezold-si nyūsitokki-en [klinische Erfahrungen über Mucosusotitis und Bezoldsche Mastoiditis] Otorhinolaryngologia, Tokyo, 1937, **10**: 318–22.—**Taptas, N.** Die latente Otitis und Mastoiditis (Mucosus-Mastoiditis) Zschr. Hals &c. Heilk., 1933, **33**: 559–63.—**Urbantschitsch, E.** Zur Frage der Mukosus-Otitis. Beitr. Anat. Ohr., 1928–29, **27**: 452–5. Also Arch. Ohr. &c. Heilk., 1934, **138**: 147–50. ——— Die Säuglingsotitis, mit besonderer Berücksichtigung der Mukosus-Otitis, ihre Komplikationen und Beziehungen zu anderen Krankheitszuständen. Mschr. Ohrenh., Wien, 1949, **83**: 145–60.—**Vaile, I. R.** Streptococcus mucosus otitis. Canad. M. Ass. J., 1929, **20**: 166–8.—**Vitenson, I.** Otitis media due to Pneumococcus mucosus. Brit. M. J., 1933, **1**: 651–4.—**Vogel, K.** Erfahrungen über Mucosus-Otitis. Zschr. Hals &c. Heilk., 1928–29, **22**: 357–63.—**Whitham, J. D.** Observations on chronic otorrhea in the insane. N. York State J. M., 1925, **25**: 684.—**Yamagawa, K.** Kyōmi-aru Mucosus-kin-sei tyūzi-en no iku rei [cases of otitis media caused by Streptococcus mucosus capsulatus] Dōzin igaku, 1934, **7**: 373–8.

—— Mucosus type: Bacteriology.

Carnevale-Ricci, F. Osservazioni cliniche e batteriologiche sui processi auricolari da pneumococco mucoso. Arch. ital. otol., 1928, **39**: 185–215.—**Chimani, F.** Ueber die Mukosus-Infektion des Mittelohres beim Meerschweinchen. Mschr. Ohrenh., Wien, 1943, **77**: 590–6.—**Collet, F. J., & Mayoux.** Oto-mastoïdite à Pneumococcus mucosus. Arch. internat. laryng., Par., 1929, **35**: 311.—**Kajiura, K.** Klinische und bakteriologische Untersuchungen über die Beschaffenheit des bei der Mucosus-Otitis isolierten Streptococcus mucosus. Hukuoka acta med., 1933, **26**: 23–30.—**Katō, A.** Mucosus tyūzi-en kanzya yori bunri-sitaru iwayuru nen-eki-sei rensazyōkyūkin no kenkyū. Jap. Zschr. Mikrob., 1938, **32**: 157–204, 2 pl., tab.—**Lambrakis, B. G.** Das klinische Bild der Mucosusotitis im Verhältnis zum Bakterienbefund. Mschr. Ohrenh., Wien, 1926, **60**: 605–36.—**Maybaum, J. L., & Druss, J. G.** Otitic infections due to the pneumococcus Type-3. Arch. Otolar., Chic., 1939, **30**: 21–37. Also J. Mount Sinai Hosp. N. York, 1941–42, **8**: 829–40.—**Persky, A. H.** Pneumococcus Type 3 in otitic infections. Arch. Otolar., Chic., 1941, **34**: 473–84.—**Saito, Y.** Bakteriologische Untersuchungen der sog. Streptococcus mucosus, isoliert von Eiter der Mucosus-Otitis. Zschr. Otorhinolar., Tokyo, 1938, **44**: 58.—**Scharfe, E. E.** Otitis media and mastoiditis due to pneumococcus Type 3. Canad. M. Ass. J., 1935, **32**: 376–9.—**Siemens, B. W. L.** Pneumococcus type 3 (mucosus) en pneumococcus type 8 bij acute middenoorontsteking. Ned. tschr. geneesk., 1938, **82**: pt 2, 2816–23, pl.—**Urbantschitsch, E.** Ueber akute Mittelohrentzündungen vom Typus der Mucosus-Otitis ohne Nachweis von Streptococcus mucosus. Mschr. Ohrenh., Wien, 1924, **58**: 594–606. ——— Ueber wechselnde bakteriologische Befunde bei Mucosus-Otitis (zur Frage der Mucosus-Otitis ohne Nachweis von Streptococcus mucosus) Ibid., 1926, **60**: 302–15.—**Wirth, E.** Der Erreger der akuten Mittelohrentzündung; Beitrag zur Bakteriologie des Streptococcus mucosus. Zbl. Bakt., 1. Abt., 1926, **98**: 501–6.

—— Mucosus type: Complication.

Belincv, S. Otitis media suppurativa acuta dextra (Mucosus otitis) Neuralgia N. Trigemini dextri; Paralysis N. N. facialis et abducentis dextri; Abscessus retro-pharyngealis; totale Aufmeisselung; Labyrinthotomie; Incisio abscessus retropharyngealis; Heilung. Arch. Ohr. &c. Heilk., 1929–30, **124**: 284–6.—**Bernfeld, K.** Osteomyelitis des Warzenfortsatzes bei Mucosus-Otitis. Mschr. Ohrenh., Wien, 1926, **60**: 1173–5.—**Bronzini, A.** Otite da pneumococco mucoso con sindrome del foro lacero posteriore e stilomastoideo. Valsalva, 1931, **7**: 244–57.—**Brunner, H.** Mukosusotitis, Mukosusmastoiditis bei negativem Röntgenbefunde; Eröffnung einer Pacchionischen Granulation in der hinteren Schädelgrube; Verletzung des Sinus; Erysipel; Heilung. Mschr. Ohrenh., Wien, 1935, **69**: 1005–11.—**Endō, Z.** Mucosus-tyūzien-sei gaisen-sinkcimahi tiken rei [ein geheilter Fall von Mucosusotitis (media) mit Abducenslähmung] Otorhinolaryngologia, Tokyo, 1937, **10**: 905–9.—**Higuti, T.** Kōtō-syōtyū-bu ni dai-naru hikanōyō wo keisei-seru mucosus-tyūzien no iti tiken rei [occipital abcess caused by mucosus otitis] Zibiinkoka, 1949, **21**: 67.—**Hlaváček, V.** [Mucosus otitis with atypical complications] Cas. lék. česk., 1927, **66**: 349–52.—**Hoffmann, J.** Observation d'une oto-mastoïdite de type mucosus avec participation de la pointe du rocher sans paralysie du moteur oculaire externe. Rev. laryng., Bord., 1941, **62**: 189–91.—**Idemitu, K.** Tōnyōbyō to tyūzi-en koto-ni mucosus-tyūzi-en no heihatu ni tuite [über Otitis media, besonders Mucosus-otitis, bei Diabetikern] Otorhinolaryngologia, Tokyo, 1937, **10**: 706–13.—**Kaarma, O.** Der Rinnesche Versuch und die Mukosusotitis. Mschr. Ohrenh., Wien, 1940, **74**: 339–41.—**Kon, T., & Sirahata, S.** Zi-sei Mucosus-nōmaku-en no iti tiken rei [ein Fall von geheilter otogener Mucosus-Meningitis] Zschr. Otorhinolar., Tokyo, 1944, **50**: 642–5.—**Leidler, R.** Mukosusotitis; Labyrinthsequester; Extraduralabszess der hinteren Schädelgrube; Leptomeningitis diffusa purulenta; Exitus; Gravidität im 5. Monat. Mschr. Ohrenh., Wien, 1924, **58**: 762–4.—**Lumsden, R. B.** Case of C. O. M. S. (R.) B. mucosus infection; atticoantrotomy; perisinus abscess; exploration of temporal lobe. J. Lar. Otol., Lond., 1935, **50**: 705.—**Mayer, F. J.** Streptococcus-mucosus-Otitis und Septikopyämie mit Metastasen, Heilung. Mschr. Ohrenh., Wien, 1940, **74**: 459.—**Monteiro, A.** Otite media aguda por pneumococos; meningite por bacilo de Pfeiffer. Acta med., Rio, 1942, **10**: 131–5.—**Moulonguet, Capot de Quissac & Hiverlet.** Un cas de méningite otogène à Streptococcus mucosus; traitement par pénicilline et sulfamide; guérison à retardement. Ann. otolar., Par., 1948, **65**: 342–4.—**Neuhof, H., & Jemerin, E. E.** Pneumococcus type I; otitis media; mastoidectomy; blood culture positive for pneumococcus type I; pneumococcus type I posterior mediastinal abscess overlying sixth to ninth dorsal vertebrae; mediastinotomy and drainage; recovery. In their Acute Infect. Mediast., Balt., 1943, 270–2.—**Ottoni de Rezende, M.** Otites a estreptococus mucosus; pathogenia e complicações. Bol. Soc. med. cir. S. Paulo, 1923–24, **6**: 3. ser., 27–9.—**Satō, I.** Mucosus-sei kyū-sei tyūzien ni gappei-seru sōki-nōmakuen ni tuite [... mit Frühmeningitis] Mitt. Tokyo med. Ges. Aerztinnen, 1937, **7**: 276–86.—**Tanaka, H., & Hayasi, T.** Mucosus-sei tyūzien no keiken; mucosus-sei nōmaku-en (nyūsi-tokki-en, kō-nōmakugai nōyō, tuitai-en, nōmaku-en) [Erfahrungen von Mucosusotitis; otogene Mucosusmeningitis im Anschluss an Mastoiditis, Extraduralabszess und Pyramidenspitzenentzündung] Otorhinolaryngologia, Tokyo, 1937, **10**: 1101–6.—**Tanaka, K., & Huziwara, S.** Soku-kansetu ni ten-i-seru Mucosus-kin tyūzien no iti rei [ein Fall von Mucosus-Otitis mit der metastatischen Fussgelenkentzündung] Ibid., 1943, **16**: 329–35.—**Urbantschitsch, E.** Mukosus-Meningitis bei eitriger Mastoiditis, ausgehend von einer eitrigen Entzündung der zweigeteilten rechtsseitigen Keilbeinhöhle bei sonst normalem Nasenbefund. Msehr. Ohrenh., Wien, 1943, **77**: 551–3. ——— Mucosusotitis und Sinusthrombose mit Ikterus bei einem Säugling im dritten Lebensmonat. Ibid., 1947, **81**: 51–3.

—— Mucosus type: Treatment.

Katō, A. Nen-eki-sei haien-kin-sei sikkan no tiryō ni kan-suru kenkyū. p.211–74. 26cm. Kyōto, 1938.
In: Jap. Zschr. Mikrob., 1938, **32**:

Akai, M. Re-sen hōsya no zikken-teki Mucosus-tyūzi-en ni oyobosu eikyō ni tuite [über den Einfluss der Röntgenbestrahlung ...] Zschr. Otorhinolar., Tokyo, 1944, **50**: 285–304, pl.—**Mizuno, H.** Mucosus-kin tyūzi-en ni taisuru tūki-ryōhō ni tuite [treatment ... with inflation of the Eustachian tube] Rinsyo zibiinkoka, 1947, **1**: 94–6.—**Nakamura, S.** Mucosus-kin-sei nyūyōtokki-en no penicillin ryōhō [treatment of Klebsiella-type mastoiditis with penicillin] Tiryo, 1948, **30**: 346–51.—**Nisimura, I.** Mucosus-tyūzien no sulfapyridine ryōhō [sulfapyridine treatment ...] Zibiinkoka rinsyo, 1941, **36**: 490.—**Regules, P.** El violeta genciana fenicado en el tratamiento de la oto-mastoiditis a pneumococo mucoso. Rev. brasil. otorinolar., 1940, **8**: 483–7.

—— Musculoskeletal system.

See also subdivision Complications; also **Mastoiditis,** Complication.

Coppo, E. Ascessi da estrinsecazione otomastoidea. p.433–571. 24½cm. Roma, 1947.
In: Atti Clin. otorin. Roma (1939–43) 1947.

Helling, H. *Akute geschlossene Mittelohrentzündung mit symptomlos auftretendem retroaurikulärem Durchbruch. p.48–79. 8° Marb., 1931.
Also Arch. Ohr. &c. Heilk., 1931–32, **130**:

Přecechtěl, A. [Otogenous subcranial and cervical abcesses] p. 119–98. 4° Praha, 1921.
Also Sborn. lék., 1921, **22**:

Bauer, E. Zur Behandlung des kindlichen Periostalabszesses mit Penicillin. Wien. med. Wschr., 1949, **99**: 321–4.—**Bertein & Baudet.** Pseudo-rhumatisme otique. Bull. Soc. méd. mil. fr., 1924, **18**: 318–22.—**Dam, C. v.** Spierabsces bij ontsteking van het middenoor. Ned. tschr. geneesk., 1946, **90**: 92.—**Eisenstein, I. M., & Rosenhaus, D. E.** [Suppuration of the soft tissues of otogenous origin] J. ushn. nosov. gorlov. bolez., 1939, **16**: 307–14.—**Erdélyi, E.** Citellische Abszesse. Mschr. Ohrenh., Wien, 1927, **61**: 800–2.—**Ersner, M. S.** A temporosphenoidal abscess. Atlantic M. J., 1926–27, **30**: 428.—**Flett, R. L.** A case of post-auricular sinus. J. Lar. Otol., Lond., 1938, **53**: 458, pl.—**Germán, T.** Tályog a fossa infratemporalisban mint otogen szövődmény. Orvostud. közl., 1944, **5**: 70–3.—**Giuffrida, E.** Contributo allo studio dell'ascesso di Citelli. Otorinolar. ital., 1934, **4**: 392–402.—**Gladkov, A. A.** [Rare case of phlegmon of the neck with transmission to the back as a complication of chronic, suppurative inflammation of the middle ear] Vest. otorinolar., 1938, 324.—**Grant, C. C.** Abscess of the pterygomaxillary fossa complicating otitic infections; review of the literature and report of a case.

Arch. Otolar., Chic., 1933, **16**: 845–50.—**Grünwald, L.** Otitis und Ostcomyelitis. Zschr. Hals &c. Heilk., 1922, **2**: 139–45.—**Helling, H.** Akute geschlossene Mittelohrentzündung mit symptomlos auftretendem retroaurikulärem Durchbruch. Arch. Ohr. &c. Heilk., 1931, **130**: 48–79.—**Hunter, J. A.** Non-traumatic gas bacillus infection in neck of child following middle-ear infection. Tr. N. Hampshire M. Soc., 1931, 89–92.—**Jacod, M.** Deux cas d'oto-mastoïdite extériorisée guéris par la pénicillinothérapie. Lyon méd., 1949, **181**: 74.—**Kiehle, F. A.** Acute suppurative otitis media causing septic arthritis without observable symptoms of intervening mastoiditis or of involvement of the lateral sinus. Ann. Otol. Rhinol., 1926–27, **35**: 884–9.—**Krepuska, I.** Anatomische Verhältnisse als konstitutionelle Faktoren bei der Entstehung otogener Senkungsabscesse. Zschr. Hals &c. Heilk., 1931, **29**: 162–74.—**Leidler, R.** Drei seltene Fälle von otogenen Senkungsabszessen. Arch. Ohr. &c. Heilk., 1929, **122**: 187–95.—**Lillie, H. I., & Simonton, K. M.** Abscess of the mandibular fossa secondary to otitis media. Arch. Otolar., Chic., 1941, **34**: 485–92.—**Massier.** A propos de deux cas de phlegmon circonscrit de la fosse temporale d'origine auriculaire. Bull. Soc. belge otol., 1902, **7**: 190–5.—**Parrocel, J.** Les complications cervicales d'origine otique. Gaz. hôp., 1925, **98**: 1025–32.—**Richter, H.** Beitrag zur Entstehung, Feststellung und Behandlung seltener otogener Senkungsabszesse. Arch. Ohr. &c. Heilk., 1941, **150**: 203–16.—**Wolff, D.** Pathological extension to the temporo-mandibular fossa and to the facial canal from otitis media. Ann. Otol. Rhinol., 1942, **51**: 969–72.

—— Nasopharynx.

See under subdivision Tuba.

—— Neisseria infection.

See also subdivision Gonococcus.

Dore, G. Considerazioni su un caso di otite media purulenta acuta e meningite cerebro-spinale meningococcica. Arch. ital. otol., 1929, **40**: 167–75.—**Mádi Kovács, F.** [Acute, purulent, middle ear and mastoid inflammation, caused by meningococcus] Orv. hetilap, 1927, **71**: 1196–8. ——— Operativ geheilter Fall von akuter eitriger Mittelohrentzündung und Mastoiditis durch Meningokokkus beziehungsweise Meningokokkussepsis. Arch. Ohr. &c. Heilk., 1929, **123**: 136–9.

—— Neuropsychiatric aspect.

See also other subdivisions (Brain; Brain abscess; Cerebellum; Eye; Paralysis, etc.) also **Epilepsy, Etiology.**

Barnes, L. Case of parageusia associated with chronic suppurative otitis media. Ann. Otol. Rhinol., 1933, **42**: 909.—**Barré, J. A.** Crises nerveuses réflexes d'origine auriculaire; description d'une forme très particulière. Rev. neur., Par., 1944, **76**: 30.—**Beco.** Un cas d'excitation maniaque au cours d'une otite moyenne aiguë. Bull. Soc. belge otol., 1911, **16**: pt 2, C. rend., 131–8.—**Benon, R.** Otite chronique moyenne; automatisme ambulatoire. Ann. mal. oreille, 1924, **43**: 1054–64.—**Bertoin, R.** Syndrome du trou déchiré postérieur consécutif à une otorrhée chronique. Ann. otolar., Par., 1936, 212–5.—**Beyer, H.** Hysterie und Mittelohreiterung. Beitr. Anat. Ohr., 1924, **21**: 197–206.—**Canuyt & Heimendinger.** Otite moyenne aiguë suppurée avec syndrome mastoïdien, cranioencéphalique et hypophysaire; hystérie; pithiatisme. Rev. otoneur., Par., 1939, **17**: 446.—**DuBois, Aldrich** [et al.] Hypertension, left-sided convulsions, coma. Case Rep. Child. Mem. Hosp. Chicago, 1943, **2**: No. 4, 17–9.—**Epstein, A. L.** [Mental illnesses on the ground of chronic inflammation of the middle ear] Nevropat. psikhiat., 1944, **13**: No. 5, 46–52.—**Fisher, L.** Neuro-otologic examination as an aid in the management of acute and chronic mastoiditis. Pennsylvania M. J., 1932, **35**: 771–5.—**Guisez.** Guérison d'un cas de manie cérébrale par la cure radicale de double otite suppurée. Bull. Soc. belge otol., 1905, **10**: 155.—**Hansel, F. K.** Trigeminal disturbances of otitic origin. Ann. Otol. Rhinol., 1929, **38**: 335–47, 3 pl.—**Lemoyne, J., Puech, P., & Thiébaut, F.** Epilepsie post-otitique avec aura auditive. Rev. otoneur., Par., 1948, **20**: 382–4.—**Loebell, H.** Zur Frage der Hirnnervenbeteiligung bei Eiterungen in perilabyrinthären Herden. Arch. Ohr. &c. Heilk., 1926, **115**: 191–206.—**Miller, D. S., & Zamis, M. J.** Independent occurrence of audiogenic seizures and middle-ear infections in inbred mice. Anat. Rec., 1949, **105**: 556.—**Patton, R. A.** Purulent otitis media in albino rats susceptible to sound-induced seizures. J. Psychol., Provincet., 1947, **24**: 313–7.—**Rouget, Leroux-Robert** [et al.] Aphasie avec syndromes cérébral et cérébelleux au cours d'une otite chronique, sulfamides; guérison. Ann. otolar., Par., 1944, 29.—**Solomovici, H.** Aphasie hystérique simulant un abcès cérébral chez une maladie avec double otite moyenne chronique opérée et guérie antérieurement pour labyrintho-méningite gauche. Ibid., 1936, 63–6. ——— Sur quelques manifestations hystériques cérébrales qui peuvent déterminer une intervention mastoïdienne chez une malade avec otite moyenne suppurée chronique. Ibid., 1938, 36–40.—**Spalaïkovitch.** A propos de pseudo-complications otitiques endocrâniennes de nature psychonévropathique. Rev. laryng., Par., 1924, **45**: 228–41.—**Szenes.** Manifestaciones histéricas en el curso de una otitis media aguda. Bol. lar. otol., Madr., 1904, **4**: 442.—**Tazzoli, I.** Sindrome jacksoniana in otite acuta con mastoidite asintomatica. Otorinolar. ital., 1937, **7**: 80–4.—**Urechia, C. I.** Polyradiculo-névrite après une angine compliquée d'otite. J. belge neur. psychiat., 1940, **40**: 269.

—— Notification.

See also subdivision Contagiousness.

Lodge, W. C. Should chronic otitis media be notifiable? Med. Off., Lond., 1942, **68**: 199.

—— Otorrhea.

See also other subdivisions (Discharge; secretory; suppurative) also **Middle ear,** Injury.

Asherson, N. Chronic ear discharge (chronic otorrhoca) and its complications. 342p. 22cm. Lond., 1938.

Almour, R. The chronic otorrheas. In: Pract. Libr. M. & S., N. Y., 1937, **11**: 501–15.—**Asherson, N.** The investigation of the source of a chronic ear discharge. Clin. J., Lond., 1931, **60**: 126–9.—**Bail, M. R.** Ear discharge. Antiseptic, Madras, 1949, **46**: 257–9.—**Barnett, H, N.** The running ear. Brit. M. J., 1929, **2**: 1195. Also Med. World, Lond., 1948–49, **69**: 583–6.—**Callison, J. G.** Chronic aural discharge. Laryngoscope, 1924, **34**: 52–62.—**Cherian, P. V.** Discharge from the ear. Antiseptic, Madras, 1955, **32**: 251–4.—**Criswell, J. R.** The significance of aural discharge. Hahneman. Month., 1942, **77**: 659–63.—**Crooks, J.** The chronic running ear in childhood. Practitioner, Lond., 1938, **141**: 594–602.—**Ear** discharge in childhood. Med. Off., Lond., 1940, **63**: 19.—**Effler, L. R.** Chronic running ear. In his Doctor's Diary, Toledo, 1942, **62**: 73.—**Friel, A. R.** Chronic otorrhoea in schools; a problem of organization. Lancet, Lond., 1930, **2**: 151.—**Gerrie, J.** The running ear. Med. World, Lond., 1945–46, **63**: 743–5.—**González Garza, P.** La otalgia y la otorrea en la clientela particular. Rev. med. cir., Monterrey, 1942, **4**: 57–66.—**Grimaldi, P. R. B., Mawson, S. R., & Bateman, G. H.** A case of persistent otorrhoea due to chronic infection in a large infratympanic cavity. J. Lar. Otol., Lond., 1949, **63**: 350.—**Hall, I. S.** Acute and chronic otorrhoea. Med. Press & Circ., Lond., 1942, **208**: 380–3. Also Punjab M. J., 1943, **8**: 109–13.—**Hartung, F.** A margem de uma observação. Rev. brasil. otorinolar., 1940, **8**: 651–8.—**Hill, F. T.** The chronic discharging ear. Dis. Eye &c. Throat, 1941, **1**: 112–6.—**Jaques, P.** Otorrea complicada fistulosa en el surco retromaxilar. Bol. lar. otol., Madr., 1904, **4**: 387.—**Jones, W. R.** Aural discharges. J. Bowman Gray School M., 1947, **5**: 61–5.—**Kopetzky, S. J.** The significance of the chronic discharging ear. Actas Congr. As. méd. panamer. (1928–29) 1930, **1**. Congr., 499–505.—**Kraus, H.** Der Einfluss der adenoiden Vegetationen auf die Otorrhöe bei akuten und chronischen Otitiden. Mschr. Ohrenh., Wien, 1947, **81**: 119–33.—**McGuckin, F.** The running ear problem. Newcastle M. J., 1940, **20**: 65–73.—**Mackenzie, G. W.** Some remarks about running ears. Hahneman. Month., 1931, **66**: 561–8. ——— Aural discharge as an aid in diagnosis. Eye Ear &c., Month., 1936–37, **15**: 295–305.—**Means, R. G.** The causes of persistently discharging ears. Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ., 1939, **6**: 218.—**Moore, J. H.** The discharging ear. West Virginia M. J., 1939, **35**: 358–61.—**Moore, T. K.** Discharging ears. Homoeop. Rec., 1942–43, **58**: 369–72.—**Novick, J. N.** Chronic otorrhea. Med. Ann. District of Columbia, 1940, **9**: 267–71.—**O'Malley, J. F.** Aural discharges; their significance and treatment. Brit. M. J., 1934, **1**: 741–6.—**Passing** (The) of otorrhoea. Lancet, Lond , 1935, **2**: 724.—**Persky, A. H.** The chronic discharging ear; its problems and management; preliminary report. Eye Ear &c. Month., 1945, **24**: 227–39.—**Planas de Castro.** Otorreas y sus peligros. Arch. med., Madr., 1929. **31**: 248–51.—**Pollock, J. H.** Otorrhoea. Irish J. M. Sc., 1925, 5. ser., 306–8.—**Rao, C. V. C.** Some practical points about discharge from ears. Antiseptic, Madras, 1936, **33**: 371–4.—**Rashid, A.** Investigation of a case of discharging ear. Ibid., 1937, **34**: 936–43.—**Reid, W. O.** Some observations on the discharging ear. Med. Press & Circ., Lond., 1943, **209**: 296–8.—**Running** ear. Bull. Army M. Dep., Lond., 1943, Suppl. No. 6, 1–3.—**Schwabach, D.** Otorrhöe. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl.,1911, **11**: 247–58.—**Temkina, I. J.** Vydeleniia iz ukha. Feldsher & akush., 1949, No. 9, 45–9.—**Tukamoto, H., Tunematu, K., & Tunooka, S.** Quantitatives Verhalten des Ohrenflusses im Schlafzustande usw. Hals &c. Arzt, 1. T, 1939, **30**: 53–68.—**Wells, A. G.** Some conditions which give rise to running ears met with in general practice. Med. World, Lond., 1947, **66**: 199–204.—**Yamamoto, T.** Iwayuru izyō zirō ni tuite [the so-called abnormal otorrhoea] Zibiinkoka rinsyo, 1941, **36**: 818.

—— Otorrhea, cerebrospinal.

See also **Cerebrospinal cavity,** Fistula; **Cranium,** Base: Fracture; **Head injury,** Manifestation; **Petrous bone,** Fracture.

Ferraris, G. Cisti del cervelletto in soggetto otorroico. Ann. laring., Tor., 1935, **35**: 23–30, pl.—**Kline, O. R.** Spontaneous cerebrospinal otorrhea. Arch. Otolar., Chic., 1933, **18**: 34–9.—**Palumbo, V.** Contribution à l'étude d'un cas d'oto-

hydrorrhée, consécutif à un traumatisme d'ancienne date. Ann. mal. oreille, 1925, **44**: 123–6.—**Pirodda, A.** Cisti da echinococco endocranica suppurata (in ottorroico cronico) Rass. med. sarda, 1937, **39**: 11–20.

—— Otorrhea: Surgery.

See also subdivisions (suppurative: Surgery; Surgery)

HOFMANN, R. *Traitement chirurgical conservateur des otorrhées chroniques; l'évidement subtotal. 110p. 24cm. Par., 1940.

Asherson, N. The radical mastoid operation; a pre- and post-operative audiometric statistical survey of hearing loss in chronic otorrhoea. J. Lar. Otol., Lond., 1948, **62**: 568–602.—**Capart, fils.** Un cas de guérison fonctionnelle après une cure radicale d'otorrhée. Bull. Soc. belge otol., 1906–07, **12**: 84.—**Formston, C., & McCunn, J.** A surgical treatment for chronic otorrhoea in the dog. Vet. J., Lond., 1931, **87**: 112–5.—**García Ibáñez, L.** Cirugía funcional de las otorreas por la vía del conducto. Med. españ., 1950, **23**: 91–8.—**Gratiot, H. B.** Ossiculectomy and curettement in the treatment of chronic otorrhoea. Tr. Iowa M. Soc., 1903, **21**: 185–92.—**Hennebert.** Cure radicale d'otorrhée chronique. Bull. Soc. belge otol., 1903, **8**: 49–51.—**House, H. P.** Surgery of the chronically discharging ear. Arch. Otolar., Chic., 1949, **49**: 135–50.—**Hutchinson, C. A.** Established otorrhoea and its surgical treatment. J. R. Army M. Corps, 1935, **65**: 224–38.—**Lazorthes, G., & Goulesque.** Otorrhée postraumatique secondaire à une fissure du versant postérieur du rocher opérée par voie occipitale et guérie. Toulouse méd., 1948, **49**: 157–9.—**Maduro, R.** Considérations pratiques sur les indications opératoires des otorrhées chroniques. Ann. otolar., Par., 1938, 1–16.—**Molina, R. J., & Schapira, N.** Consideraciones sobre la operación radical de la otorrea crónica por vía endoaural. Rev. Fac. cienc. méd. Univ. Córdoba, 1946, **4**: 59–72.—**Page, J. R.** The operative treatment of chronic otorrhea. Tr. Am. Otol. Soc., 1924, **16**: 618–46.—**Tanturri, D.** L'operazione di Heermann in rapporto alla cura dell'otorrea. Rass. ital. otorinolar., 1936, **10**: 129–36.

—— Otorrhea: Treatment.

Asherson, N. Iodine powder in the treatment of chronic otorrhoea. Lancet, Lond., 1931, **2**: 630–2.—**Ashley, R. E.** The surgical and non-surgical care of the chronically discharging middle ear. Tr. Am. Lar. Rhin. Otol. Soc., 1940, **46**: 186–200. Also Arch. Otolar., Chic., 1941, **33**: 993–1003.—**Bernfeld, K.** Umschau über einige neue Behandlungsmethoden der chronischen Otorrhoe auf Grund klinischer Beobachtung. Mschr. Ohrenh., Wien, 1928, **62**: 273–9.—**Bettington, R. H.** Discharging ears treated by the iodine powder method. Med. J. Australia, 1935, **1**: 747–9.—**Burton, E. L.** The medical treatment of chronic otorrhea. Dallas M. J., 1930, **16**: 124–6.—**Calhoun, F. P.** Treatment of chronic aural discharges. Tr. M. Ass. Georgia, 1910, 113–22.—**Davis, J. C.** The conservative treatment of chronic discharging ear. Nebraska M. J., 1935, **20**: 100–2.—**Della Vedova, A.** Il metodo della sostituzione nella cura delle otorree. Arch. ital. anat. pat., 1935, **6**: Suppl., 547–9.—**Ellis, B. E.** Chronic otorrhea, conservative treatment of 150 patients. Tr. Indiana Acad. Ophth. Otolar., 1930, **14**: 37–54.—**Ellis, M.** Treatment of acute and chronic otorrhoea. J. R. Inst. Pub. Health, 1940, **3**: 281–6.—**Friel, A. R.** The treatment of otorrhoea in school clinics. Practitioner, Lond., 1928, **120**: 252–6.—**Gaston, A.** Traitement d'une otorrhée chronique de l'enfance par procédé conservateur sans plastique. Ann. otolar., Par., 1942, 112.—**Halfer, G.** Sopra due metodi di cura dell'otorrea cronica infantile. Valsalva, 1926, **2**: 518.—**Harnick, I.** Chronic otorrhoea; its treatment with Calot's solution. Canad. M. Ass. J., 1929, **20**: 503–6.—**Kaiden, M. H.** The menace and the management of the chronically discharging ear. Am. J. Surg., 1925, **39**: 46–8.—**Keen, J. A.** The treatment of otorrhea; with comparison of the various methods. Practitioner, Lond., 1928, **121**: 35–43.—**van der Kleij, B. J.** De behandeling van de acute en chronische otorrhoea. Geneesk. gids, 1949, **27**: 476.—**Lapsley, R. M.** Medical treatment of chronic otorrhoea. Tr. Iowa M. Soc., 1903, **21**: 181–4.—**Macfarlan, D.** Methods of caring for the discharging ear. Pennsylvania M. J., 1932, **36**: 29.—**Mackenzie, G. W.** Management of the running ear. J. M. Soc. N. Jersey, 1933, **30**: 299–304.—**Misharin, A. P., & Filenius, V. A.** [Antiseptics in chronic otorrhea] Med. biul., Irkutsk, 1939, No. 2, 108–12.—**Moure, E. J.** Tratamiento de la otorrea. Rev. méd. Barcelona, 1926, 2. ser., **5**: 362–5.—**Oaks, L. W., & Merrill, H. G.** When conservative treatment of the chronic running ear? Eye Ear &c. Month., 1930–31, **9**: 416–8.—**Pui, L. S.** The treatment of otorrhoea in general practice. Caduceus, Hong Kong, 1934, **13**: 76–82.—**Rawlins, A. G.** Local use of penicillin in alcohol and glycerin for chronically running ears. Arch. Otolar., Chic., 1947, **46**: 71.—**Reid, W. O.** Treatment of otorrhoea by argyrol displacement. Brit. M. J., 1939, **2**: 1271.—**Scal, J. C.** Further studies with Calot's solution in the treatment of chronic otorrhea. Med. J. & Rec., 1933, **138**: 244.—**Ushakov, A.** [Treatment of chronic otorrhea in the Red Army by Prof. Belogolovov's method] Voen. san. delo, 1936, No. 9, 30–3.—**Voorhees, I. W.** The chronic running ear and its cure. Med. Rec., N. Y., 1948, **161**: 100–2.—**Wagers, A. J.** Chronic otorrhea; with special reference to conservative treatment in a series of 162 cases. Atlantic M. J., 1924–25, **28**: 827–33.

—— Otorrhea: Treatment: Ionization.

See also subdivision Treatment: Ionization.

FRIEL, A. R. Notes on chronic otorrhoea with especial reference to the use of zinc ionization in the treatment of selected cases. 87p. 8° Bristol, 1929.

Ainscow, G. E. A comparison of various methods of treatment of chronic otorrhoea in elementary school children, including a study of the method of ionization with zinc sulphate. Birmingham M. Rev., 1926, n. ser., **1**: 411–28.—**Cramb, R.** Ionization treatment for chronic discharging ears. J. State M., Lond., 1927, **35**: 349–54.—**Friel, A. R.** Two cases of chronic otorrhoea treated by zinc ionization. Proc. R. Soc. M., Lond., 1923–24, **17**: Sect. Otol., 97. ——— Statistics of results of zinc ionization in chronic otorrhoea in over 600 cases. Ibid., 1924–25, **18**: Sect. Otol., 4–8. ——— Zinc ionization in the treatment of chronic otorhoea. Med. Off., Lond., 1926, **35**: 87–9. ——— Zinc ionization in relation to chronic otorrhoea. Arch. Phys. Ther., 1929, **10**: 45–9.—**McArthur, G. A. D.** The treatment of chronic otorrhoea by zinc ionization. Med. J. Australia, 1927, **1**: 818–22. Also Am. J. Phys. Ther., 1927–28, **4**: 261–4. Also Eye Ear &c. Month., 1927–28, **6**: 408–11.—**McCoy, J.** Successful treatment of chronic discharging ears and allied conditions by means of zinc ionization. Laryngoscope, 1926, **36**: 434–6.—**Puschkin, A. F.** Ionisierung mit Zink nach Friel, eine der Behandlungsmethoden chronischer Otorrhöe. Zschr. Hals &c. Heilk., 1931–32, **30**: 329–38.—**Stibbe, F. H.** [Zinc ionization in chronic otorrhea] Geneesk. gids, 1925, **3**: 1136–9.—**Wells, A. G.** The treatment of chronic otorrhoea by zinc ionisation. Med. World, Lond., 1946, **64**: 298–303.

—— Otorrhea: Treatment: Radiotherapy.

See also subdivision Treatment: Radiotherapy.

Debain & Porte. Otorrhée datant de 5 mois instantanément guérie par la sonde de radium. Ann. otolar., Par., 1949, **66**: 211.—**Di Donato, D.** Della roentgenterapia nelle otorree. Arch. ital. otol., 1926, **37**: 335–7.—**Emerson, E. B., jr, & Dowdy, A. H.** Radium therapy as an aid in the control of chronic otorrhea. Am. J. Roentg., 1943, **49**: 234–9. Also Mississippi Valley M. J., 1945, **67**: 131–4.

—— Otorrhea, tubal.

See under subdivision Tuba.

—— Ozena.

See under subdivision Klebsiella infection.

—— Paralysis.

See also other subdivisions (Eye; Radiography)

Bonhomme. Otomastoïdite gauche; atteinte précoce des voies vestibulaires; méningite puriforme aseptique, hémiplégie cérébelleuse; guérison. Ann. otolar., Par., 1946, **13**: 261–3.—**Mayer, O.** Akute Mastoiditis, Sinusthrombose, Jugularisunterbindung, kontralaterale Abduzenslähmung, gleichseitige Lähmung des Nervus laryngeus inferior, Heilung. Mschr. Ohrenh., Wien, 1941, **75**: 272–6.—**Mounier-Kuhn, P.** Paralysie laryngée associée quatre ans après une cure radicale d'otorrhée chronique. Lyon méd., 1935, **156**: 761–4.—**Rendu, R.** Paralysie isolée de la corde du tympan dans l'otite moyenne suppurée chronique. Rev. laryng., Par., 1929, **50**: 310–3.—**Sargnon.** Otite et mastoïdite droite ancienne compliquée; labyrinthite aiguë; paralysies complexes des nerfs spinaux et glosso-pharyngiens de cause post-sérothérapique ou encéphalitique périphérique. Lyon méd., 1934, **154**: 175–9.—**Turtur, G.** Un caso di otite media purulenta cronica destra, complicata da mastoidite, paresi del facciale e dell'oculomotore esterno, operato con esito favorevole. Valsalva, 1929, **5**: 146–51.

—— Paralysis: Eye.

See also subdivision Eye.

Barré, J. A., & Lieou. Otite moyenne gauche; hémicrânie gauche initiale passagère; parésie faciale gauche; hémicrânie droite tardive, paralysie de l'abducens droit; autopsie; explication des phénomènes cliniques d'apparence paradoxale. Rev. otoneur., Par., 1925, **3**: 449–57.—**Boonacker, A. A.** [Abducens paralysis in acute middle ear disease] Ned. tschr. geneesk., 1927, **71**: pt 2, 1688–93. ——— & **Huizinga, E.** De la paralysie de l'abducteur de l'oeil au cours d'une otite moyenne. Acta otolar., Stockh., 1928, **13**: 65–72.—**Chiarazzo, E.** Considerazioni intorno ad un caso di paralisi bilaterale dell'abducente di origine otitica. Atti Clin. otolar. Napoli (1942–43) 1943, **16**: 95–107.—**Escat, M.** A propos d'un cas de paralysie hétérolatérale de la 6. paire au cours de l'évolution d'une oto-mastoïdite aiguë. Otorhinolar. internat., Lyon, 1945, **29**: 64–9.—**Guttierez-Ponce.** Parésie du muscle rectus oculi externus, chez un malade affecté d'otite chronique. Bull. Soc. opht. Paris, 1890, **3**: 9–11.—**Johnston, W. H.** Abducens paralysis

complicating otitis media and mastoiditis. Tr. Am. Laryng. Ass., 1934, **40**: 406–23. Also Ann. Otol. Rhinol., 1934, **43**: 94–113.—**Kobayasi, M.** Zi-sei hansoku gaisen sinkei-mahi no iti tiken rei [case of successful treatment of aural unilateral paralysis of the abducens nerve] Zibiinkoka rinsyo, 1942, **37**: 84–7.—**Kutvirt.** Les paralysies des muscles de l'oeil au cours de l'otite moyenne. Ann. mal. oreille, 1924, **43**: 693.—**Pesme, Pinson & Rouché.** Paralysie du moteur oculaire externe d'origine oto-mastoïdienne chez une enfant de 6 ans. J. méd. Bordeaux, 1949, **126**: 455.—**Pin, A.** Les paralysies hétérolatérales ou bilatérales du moteur oculaire externe d'origine otique. Otorhinolar. internat., Lyon, 1943, **27**: 162; passim.—**Pitre.** Paralysie du moteur oculaire commun, survenue au cours d'une otorrhée. Bull. Soc. opht. Lyon, 1923–24, **12**: 25.—**Pogány, E.** Pathologie des paralysies du nerf abducteur d'origine otitique. Ann. otolar., Par., 1936, 21–6.—**Rebattu, J., & Colrat, A.** Les paralysies oculaires au cours des otites et mastoïdites. Ibid., 1935, 1117–43. Also J. méd. Lyon, 1935, **16**: 475; 497. Also Rev. otoneur., Par., 1935, **13**: 565–602.—**Rejtö, A.** Ueber zwei Fälle von Abduzenslähmung bei akuter Mittelohrentzündung. Mschr. Ohrenh., Wien, 1933, **67**: 1247–50.—**Sargnon.** Otite aiguë gauche; conduit auditif externe gauche très rétréci; paracentèse difficile; mastoïdite zygomatique; paralysie ultérieure du VI., cure radicale agrandie; guérison de la paralysie. Lyon méd., 1935, **155**: 346–9.—**Soukup, E.** Význam obrny nervi abducentis při zánětech středního ucha. Lék. listy, 1947, **2**: 104–8.—**Tillé, H.** Paralysies oculomotrices et atteintes du trijumeau au cours des otites suppurées. Médecine, Par., 1937, **18**: 79–84.—**Tuiki, Y.** Mucosusotitis und otogene Abduzenslähmung. Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 13.—**Vernieuwe.** Les paralysies homo- et hétérolatérales du nerf oculomoteur externe au cours des otites; casuistique et pathogénie. Bruxelles méd., 1927–28, **8**: 726–35. Also Rev. laryng., Par., 1928, **49**: 107–28.—**Yosie, Y.** Beiträge zur Pathologie und Röntgenologie der otogenen Abduzenslähmung. Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 13.

—— Paralysis: Facial nerve.

See also **Facial nerve, Paralysis, otogenous.**

Battig-Gangl. Otitis media und Facialisparese. Arch. Ohr. &c. Heilk., 1941, **149**: 35–45.—**Björk, H.** [Peripheral facial paralysis following acute otitis] Fin. läk. säll. hand., 1936, **79**: 622–36.—**Botella, E.** Parálisis facial doble de origen auricular. Bol. lar. otol., Madr., 1905, **5**: 169–73.—**Bôval.** Guérison d'une paralysie faciale d'origine otitique. Bull. Soc. belge otol., 1905, **10**: 69–72.—**Burger, H.** [Paralysis of facial nerve in otitis media] Ned. tschr. geneesk., 1925, **69**: 1719–23.—**Canuyt, G.** Sur un cas d'otite moyenne aiguë suppurée gauche avec mastoïdite et paralysie faciale périphérique gauche d'origine otogène; trépanation mastoïdienne; guérison. Otorhinolar. internat., Lyon, 1922, **6**: 260–4.—**Carneiro Leão, I.** Considerações em tôrno de um caso de paralisía facial plácida, tipo periférico (paralisía de Bell) possivelmente causada por uma otite média purulenta crônica. Impr. méd., Rio, 1945–46, **21**: No. 381, 57–64.—**Castañeda, R.** Concepto actual de las parálisis faciales de origen otítico. Libro de actas Congr. españ. otorinolar., 1910, 3. Congr., 373–8.—**Claustre, P.** Paralysie faciale transitoire après évidement pétro-mastoïdien. Presse méd., 1946, **54**: 691.—**Decker, R. M.** Facial paralysis associated with otitis media. Laryngoscope, 1944, **54**: 186–9.—**Dubau & Bolot.** Un cas de paralysie faciale périphérique au début d'une otite aiguë. Bull. Soc. méd. mil. fr., 1939, **33**: 361–3.—**Glassburn, E. M.** Facial paralysis in acute otitis media and the use of penicillin. Arch. Otolar., Chic., 1945, **41**: 218.—**Hartung, F.** Otite média aguda e paralisia do facial; operação, cura da otite e da paralisia. Rev. otolar. S. Paulo, 1933, **1**: 284–6.—**Kettel, K.** Facial palsy of otitic origin with special regard to its prognosis under conservative treatment and the possibilities of improving results by active surgical intervention; an account of 264 cases subjected to reexamination. Arch. Otolar., Chic., 1943, **37**: 303–48. ——— o5 tilfaelde af otogen facialisparese opereret a. m. Ballance & Duel og Bunnell. Nord. med., 1944, **24**: 1783–95. ——— The surgical treatment of otogenous facial paresis. Acta otolar., Stockh., 1945, **33**: 156. ——— The course of otitic facial palsy under adequate treatment of the disease of the ear; when is a Ballance-Duel operation indicated? Ibid., 1946, **34**: 311–6.—**Kisilstein, J. A.** [Paralysis of the facial nerve in suppurative otitis] J. ushn. nosov. gorlov. bolez., 1939, **16**: 411–3.—**Lillie, H. I.** The diagnostic significance of partial paralysis of the facial nerve in chronic suppurative otitis media and mastoiditis. Ann. Otol. Rhinol., 1941, **50**: 38–46.—**López Villoria.** Mastoiditis primitiva, latente, con parálisis facial. Arch. venezol. Soc. otorinolar., 1941, **2**: 5–22.—**Lund, R.** Die Facialisparese bei den suppurativen Mittelohrleiden mit besonderem Hinblick auf ihre Verbindung mit den labyrinthären Komplikationen und ihre Bedeutung als Operationsindikation; die postoperative Facialisparese. Zschr. Hals &c. Heilk., 1929, **23**: 296–312.—**Manasse, P.** Fazialislähmung bei akuter Otitis media. Deut. med. Wschr., 1926, **52**: 532.—**Muzzio, J. C.** La parálisis facial periférica en la otitis media aguda. Rev. san. mil., B. Air., 1946, **45**: 712–24. Also Sem. méd., B. Air., 1946, **53**: pt 2, 342–50.—**Ogilvie, K. R.** Facial palsy accompanying acute mastoiditis; with comments on chemotherapy in acute suppurative otitis media. Brit. M. J., 1946, **2**: 263.—**Popper, J.** Freiliegender N. facialis bei chronischer Attikeiterung ohne Fazialisparese. Mschr. Ohrenh., Wien, 1938, **72**: 545.—**Rasmussen, H.** Otogenous facial paresis with special reference to treatment. Acta otolar., Stockh., 1945, **33**: 156.—**Riskaer, N.** The course of otitic facial palsy under adequate treatment of the disease of the ear. Ibid., 1946, **34**: 280–310.—**Rueda, D. F.** Sobre algunos hechos de rara observación en la parálisis facial de origen otítico. Bol. lar. otol., Madr., 1901, **1**: 129–35.—**Ruttin, E.** Frühe Parese vorwiegend des Mundfazialis bei akuter Otitis. Mschr. Ohrenh., Wien, 1937, **71**: 361–3. ——— Frühfazialparalyse bei akuter Otitis; kalorisches Fazialisphänomen. Ibid., 1938, **72**: 546.—**Sørensen, K.** A case of otitis media complicated by facial paresis and labyrinthitis developed in sequel to instillation of alcohol, and pressure on the tragus. Acta otolar., Stockh., 1941, **29**: 86.—**Tickle, T. G.** The repair of facial paralysis of otitic origin. Surg. Clin. N. America, 1948, **28**: 438–45.—**Tschiassny, K.** Is facial palsy, when complicating a case of acute otitis media, indicative for immediate mastoid operation? abstracts from the literature. Cincinnati J. M. 1944–45, **25**: 262–6.

—— Paralysis: Gradenigo syndrome.

See also **Abducent nerve, Paralysis; Gradenigo syndrome; Mastoiditis, Complication, etc.**

Gause, G. Ueber den Gradenigo Symptomen-Komplex an Hand von 156 Fällen einschliesslich der fünf bisher noch nicht veröffentlichten Fälle aus der Breslauer Universitätsklinik für Ohren-, Nasen-, Kehlkopfleiden. 61p. 8°. Bresl., 1934.

Sachs [geb. Samulon] L. *Elf Fälle mit Gradenigoschem Symptomenkomplex. 23p. 21cm. Berl., 1937.

Amyot, R., & Brahy, J. Syndrome de Gradenigo ou de la pointe du rocher au cours de l'otite suppurée. Union méd. Canada, 1942, **71**: 34–6.—**Anderson, H.** Gradenigo's syndrome; report of case. Minnesota M., 1929, **12**: 377.—**Arauz, S. L.** Otitis media aguda complicada; síndrome de Gradenigo. In his Lecc. clín. otorinolar., B. Air., 1943, 23–39.—**Aymes, G., Azalbert & Joubert, P.** Syndrome de Gradenigo-Lannois par ostéite pétro-apexienne et abcès extra-dural; intervention, guérison. Presse méd., 1946, **54**: 691.—**Barnes, E. B., & Gimblett, C. L.** Gradenigo's syndrome followed by complete recovery. Brit. M. J., 1929, **2**: 1107.—**Bertein.** Syndrome de Gradenigo et otite torpide. Lyon méd., 1928, **141**: 131.—**Bulson, E. L.** Petrositis and a consideration of Gradenigo's syndrome; report of two cases in which Gradenigo's syndrome occurred. J. Indiana M. Ass., 1936, **29**: 129–32.—**Calvet, J., & Claux, J.** Un cas de syndrome de Gradenigo post-optique guéri par évidement pétro-mastoïdien. Toulouse méd., 1949, **50**: 284–6.—**Canuyt, Heimendinger & Karaitidis.** Sur deux cas de syndrome de Gradenigo fruste au cours d'une otite moyenne; mastoïdectomie; guérison. Rev. otoneur., Par., 1946, **18**: 173–6.—**Cheney, G.** Gradenigo's syndrome. J. Am. M. Ass., 1929, **92**: 1180.—**Das, U. N.** Gradenigo's syndrome. J. Lar. Otol., Lond., 1933, **48**: 421–6.—**Eerden, A. v. d.** Ein Fall von Gradenigo-Symptomenkomplex nach Mastoiditis. Ophthalmologica, Basel, 1947, **113**: 165–7.—**Forbes, S. B.** Gradenigo's syndrome; an interesting case. Arch. Otolar., Chic., 1928, **7**: 363.—**Franchini, Y., & Riccitelli, E.** Consideraciones sobre un caso de síndrome de Gradenigo, curado sin intervención quirúrgica. Sem. méd., B. Air., 1936, **43**: 96–100.—**Frank, P. G.** The Gradenigo syndrome. Med. Rec., N. Y., 1938, **148**: 60–2.—**Freund, E. M.** Paralysis of the abducens nerve accompanying a case of mastoiditis; an unusual form of Gradenigo's syndrome. Arch. Otolar., Chic., 1931, **13**: 717–25.—**Gonçalves, P.** Considerações sôbre um caso de síndrome de Gradenigo, curado pela vacinoterapia. Rev. med. mil., Rio, 1934, **23**: 170–6.—**Graham, T. O.** Gradenigo's syndrome. Irish J. M. Sc., 1934, ser. 6, 309.—**Greenfield, S. D.** Gradenigo's syndrome. Arch. Otolar., Chic., 1929, **9**: 171–4.—**Hamilton, E. S. B.** A case of Gradenigo's syndrome. J. Lar. Otol., Lond., 1928, **43**: 43.—**Herrero Vior, P.** Síndrome de Gradenigo en el curso de una oto-mastoiditis. Actual. méd., Granada, 1941, **17**: 232–6.—**Husrev, D.** [A case of complicated Gradenigo's syndrome] Askeri sihhiye mecmuasi, 1933, **62**: 72–4.—**Lasagna, F.** La sindrome di Gradenigo e le petrositi. Athena, Roma, 1938, **7**: 341.—**Leitch, J. W.** Gradenigo's syndrome culminating in Bezold's mastoiditis. J. Lar. Otol., Lond., 1927, **42**: 457.—**Lemaitre & Aubin.** Deux cas de syndrome de Gradenigo. Arch. internat. laryng., Par., 1927, **33**: 977–9.—**McKinney, R.** Gradenigo's syndrome. Arch. Otolar., Chic., 1927, **6**: 58.—**Mangabeira Albernaz, P.** Syndrome de Gradenigo; bala no ouvido; syndrome de Gradenigo com paralysia do facial dois annos após o trauma; intervenção e cura; reincidencia; intervenção e morte por abcessos do cerebro. Brazil méd., 1927, **41**: 1200–7.—**Meltzer, P. E.** Gradenigo's syndrome; anatomical aspects. Tr. Am. Otol. Soc., 1930, **20**: 224–31. Also Arch. Otol., Chic., 1931, **13**: 87–93.—**Merelli, G.** Un caso di sindrome di Gradenigo (contributo casistico) Boll. mal. orecchio, 1928, **46**: 97–103.—**Miller, J.** Gradenigo syndrome; an unusual case. Ann. Otol. Rhinol., 1931, **40**: 88–94. Also Dent. Cosmos, 1934, **76**: 236–8.—**Papale, R.** Contributo alla patogenesi della sindrome di Gradenigo; comunicazione preventiva. Fol. med., Nap., 1924, **10**: 540–6.—**Perrone, P.** Tre casi di sindrome di Gradenigo. Ann. laring., Tor., 1933, **33**: 32–51.—**Profant, H. J.** Gradenigo's syndrome. Laryngo-

scope, 1924, **34**: 140–4.—**Rimini, E.** Le syndrome de Gradenigo. Arch. internat. laryng., Par., 1926, **32**: 769–81.—**Saunders, L.** Mastoiditis and Gradenigo's syndrome. Bull. Vancouver M. Ass., 1947–48, **24**: 40.—**Sears, W. H.** The Gradenigo syndrome with the report of three cases. Tr. Am. Acad. Ophth. Otolar., 1924, **29**: 264–82.—**Smith, J. A.** Gradenigo symptom complex; case report. J. M. Ass. Georgia, 1938, **27**: 437.—**Sutton, D. B.** A case of Gradenigo's syndrome. Brit. M. J., 1929, **1**: 346.—**Trivas & Tixier.** Contribution à l'étude du syndrome de Gradenigo. Rev. laryng., Par., 1929, **50**: 541–52.—**Vasiliu, D. I.** Syndrome du Gradenigo avec nystagmus spontané unilatéral du côté de la lésion. Rev. otoneur., Par., 1934, **12**: 601–3.—**Voorthuysen, D. G. W. v.** On the origin and development of Gradenigo's syndrome. Acta otolar., Stockh., 1932–33, **18**: 265–82.—**Whillis, R.** Gradenigo's syndrome. Newcastle M. J., 1926–27, **7**: 269–71.—**Zanzucchi, G.** Sopra una non comune causa della sindrome di Gradenigo. Arch. ital. otol., 1939, **51**: 323–32.

—— Paraotitis.

See also subdivisions (Complications; Deafness) also **Middle ear,** Disease.

Mendoza, R. Las para-otitis medias. Rev. otoneur., B. Air., 1933, **8**: 13–5.

—— Parotitis.

See also **Parotid,** Diseases.

Chlanda, F. Otitis media acuta, Meningitis von 2500/3 Zellen, durch Parotitis epidemica verursacht. Mschr. Ohrenh., Wien, 1940, **74**: 419.—**Chvojka, J.** [Two cases of abscess of the parotid space caused by inflammation of the middle ear] Cas. lék. česk., 1939, **78**: 1286.—**Di Core, A.** Le diffusioni cervicali dell'otite media purulenta con speciale riguardo alla invasione della loggia parotidea. Rass. ital. otorinolar., 1933, **7**: 185–220, 11 pl.—**Hilton, G. E. M.** Chronic suppurative otitis media with parotid abscess. Arch. Otolar., Chic., 1939, **30**: 140.—**Kubo, M.** Man-sei kanō-sei tyūzien ni gappei-sitaru kyū-sei kanō-sei zikasen-en no iti rei [Parotitis bei Mastoiditis] Otorhinolaryngologia, Tokyo, 1937, **10**: 214–8.—**Wanamaker, A. T.** Parotitis complicating acute otitis media. Ann. Otol. Rhinol., 1924–25, **33**: 790–8, pl.

—— Pasteurella infection.

See also subdivision Bacteriology.

Blaškovič, D. Ueber eine pasteurellöse Mittelohrentzündung. Schweiz. med. Wschr., 1944, **74**: 1010.

—— Pathogenesis.

See also subheading (experimental)

Fremel, F. Zur Ueberleitungsfrage entzündlicher Mittelohrerkrankungen auf die hintere Schädelgrube. Mschr. Ohrenh., Wien, 1925, **59**: 409–19, pl.—**Pietrantoni, L.** Sulle vie di propagazione dei processi infiammatori dall'orecchio medio all'apice della rocca petrosa, al seno cavernoso, al VI° paio, e al ganglio di Gasser; la via venosa. Arch. ital. otol., 1927, **38**: 296–318, 2 pl.—**Schlander, E.** Der karotische Kanal als Ueberleitungsweg. Mschr. Ohrenh., Wien, 1929, **63**: 654–70.—**Skoog, T.** On the factors determining the course of acute otitis. Acta otolar., Stockh., 1932, **18**: 41–101.—**Voorthuyzen, D. G. W. v.** Ueber den Infektionsweg bei den akuten Entzündungen des Mittelohrs, des Mastoids und der Nasennebenhöhlen. Ibid., 102–37.

—— Pathology.

Babbitt, J. A. Some studies on middle ear infection. J. Am. M. Ass., 1932, **99**: 2241–7.—**Bimler, R.** Ueber die Physiko-Chemie der Entzündung in Beziehung zu den Erkrankungen der oberen Luftwege, das Verhalten der H-Ionenkonzentration bei der Otitis media mit zentraler Perforation und ihre Beeinflussung durch Pufferlösungen. Zschr. Hals &c. Heilk., 1934–35, **37**: 299–311.—**Craciun, E. C., Popa, N.** [et al.] Sur les modifications anatomo-pathologiques apparues pendant les oto-mastoïdites. Otorhinolar. internat., Lyon, 1937, **21**: 441–53.—**Hetrick, L. E.** A review lecture on the anatomy of the ear and otitis media as delivered to the students of the New York Homeopathic Medical College and Flower Hospital. J. Ophth. Otol., 1926, **30**: 240–53.—**Nisihata, K.** Tyūzien no byōri to tiryō no sinpo [progress in the pathology and the therapy ...] Sindan & tiryo, 1948, **36**: 136–42.—**Schlittler, E.** Ueber die Bedeutung und den Wert der mikroskopischen Untersuchung in Serienschnitten bei Todesfällen infolge Mittelohreiterung. Zschr. Hals &c. Heilk., 1926, **16**: 516–20.—**Seletz, A. A.** The middle ear from the point of view of infection. West Virginia M. J., 1940, **36**: 120–6.—**Semenov, H.** Otiti media in infants and adults; a histopathologic study. Tr. Am. M. Ass., Sect. Lar. Otol. Rhinol., 1936, 279–98.—**Singer, L.** Morphologische Studien über entzündliche Erkrankungen der Mittelohrräume. Sitzber. Ges. Morph. München (1930–31) 1932, **40**: 34–45. ——— Ueber entzündliche Erkrankungen des Mittelohres und der pneumatischen Hohlräume des Schläfenbeines. Zschr. Hals &c. Heilk., 1932–33, **32**: 110; 130.—**Yates, A. L.** Repair in the middle ear. Proc. R. Soc. M., Lond., 1929–30, **23**: Sect. Otol., 115–24. Also Eye Ear &c. Month., 1930–31, **9**: 405–12.

—— perforative.

See also subheading (Musculoskeletal system) also **Middle-ear drumhead,** Rupture.

Erath, J. Pansement plastique des otites perforées. Pract. otorhinolar., Basel, 1945, **7**: 198–200.—**Löwy, K.** Zur Klinik des äusseren Durchbruches bei der akuten Otitis. Mschr. Ohrenh., Wien, 1936, **70**: 1493–503.—**Motloch, T.** Ueber otogene Komplikationen bei mesotympanaler Perforation und Eiterung des Mittelohres. Ibid., 1519–21.—**Nanninga, K. S.** [Case of chronic otitis media with perforation of tympanum] Ned. tschr. geneesk., 1929, **73**: pt 2, 5594–7, pl.—**Oinaga, A.** Man-sei senkō-sei tyūzien no yakubutu-teki tiken rei ni tuite [treatment by drugs of chronic, perforative otitis media] Sei i kai M. J., 1936, **55**: 2267–9.—**Stokes, C. F.** Chronic suppurative otitis media with perforation. Med. Times, N. Y., 1924, **52**: 129.—**Tamari, M., & Hirsch, L.** Management of chronic middle ear suppuration with fistula. Ann. Otol. Rhinol., 1945, **54**: 349–57.—**Tapia Acuña, C.** El drenaje exterior de las otitis medias perforadas. Rev. cir. Hosp. Juárez, Méx., 1937, **8**: 249–56.—**Zeidler, R.** Eine neue Methode zur konservativen Behandlung der perforierten Mittelohrentzündung. Wien. klin. Wschr., 1936, **49**: 914.—**Zeisner, C.** Komplikationen bei zentraler Perforation. Zschr. Laryng., 1930, **20**: 28–30.

—— Petrous bone.

See also subdivisions (Complications; Labyrinth; Meningitis; Sinus thrombosis)

BUCHHEIM, G. *La pointe du rocher et les inflammations de l'oreille moyenne. 36p. 24cm. Lausanne, 1939.

Aenggård, G. Beitrag zur Klinik der Apizitiden. Acta otolar., Stockh., 1935, **23**: 101–12.—**Arnoldson, N.** Ueber die Pathogenese und Therapie der Apizitis. Ibid., 96–100.—**Barmwater, K.** [Case of acute suppuration of the middle ear with ostitis of the petrosal apex, without paresis of the abducens but with fatal meningitis] Hospitalstidende, 1933, **76**: Dansk otolar. selsk. forh., 39–43.—**Barth, H.** Akute Otitis media mit Beteiligung der Pyramidenspitze (kasuistische Mitteilung) Zschr. Hals &c. Heilk., 1936, **41**: 95–100. Also Sitzber. Otolar. Ges. Berlin (1936) 1937, 33–5.—**Beinoff & Balan, M.** Ueber den Bau der Pyramidenspitze. Mschr. Ohrenh., Wien, 1930, **64**: 1185–8, 8 pl.—**Brock.** Demonstration mikroskopischer Präparate eines Falles mit Empyem im Dache des inneren Gehörgangs. Zschr. Hals &c. Heilk., 1923, **6**: 380–7; Disc., 389–94.—**Brubaker, O. G.** Acute suppurative otitis media with involvement of mastoid and petrous pyramid. Tr. Indiana Acad. Ophth. Otolar., 1941, **25**: 22–9.—**Davis, E. D. D.** Abcès chronique de la protubérance dû à une suppuration de l'oreille moyenne. Arch. internat. laryng., Par., 1924, **30**: 971.—**Engelhardt, G.** Zur Frage der Abducenslähmung bei Extraduralabscess an der Felsenbeinspitze nach akuter Mittelohreiterung. Zschr. Hals &c. Heilk., 1925, **11**: 194.—**Errecart, P. L., Bergara, R., & Bergara, C.** Otitis media aguda; petrositis. Rev. As. méd. argent., 1935, **49**: 29–36.—**Evans, W. H.** Complications of otitis media involving the petrous pyramid. Ohio M. J., 1935, **31**: 441–8.—**Eves, C.** Diagnosis of acute suppuration of the petrous pyramid. Ann. Otol. Rhinol., 1935, **44**: 97–109.—**Galtung, A.** [Granedigo's syndrome and indications in the pyramidal apexes (petrositis and apicitis)] Norsk. mag. laegevid., 1933, **94**: 625–40.—**Hörbst, L.** Pyramidenspitzenerkrankung bei chronischer Otitis media. Wien. klin. Wschr., 1948, **60**: 134. Also Mschr. Ohrenh., Wien, 1949, **83**: 77–83.—**Jacques, P.** L'ostéite pétreuse otogène à évolution jugale. Ann. otolar., Par., 1934, 761–70.—**Jung, G.** Doppelseitige symmetrische Einschmelzung des Schläfenbeines, des Warzenfortsatzes und fast der ganzen Felsenbeinpyramide. Zschr. Hals &c. Heilk., 1927, **19**: 211–8.—**Kaulich, F.** Akute Otitis, Pyramidenspitzeneiterung, Karotisblutung. Mschr. Ohrenh., Wien, 1948, **82**: 93.—**Kelemen, G.** Propagations of inflammatory processes between petrous bone and endocranium of frustrated form. Ann. Otol. Rhinol., 1939, **48**: 375–91.—**Kopetzky, S. J.** Acute and chronic otitis media, sinus thrombosis and suppuration of the petrous pyramid. Arch. Otolar., Chic., 1935, **22**: 336–57. ——— Factors concerned in the diagnosis and management of petrositis. Eye Ear &c. Month., 1935–36, **14**: 22–9. ——— Purulent otitis media, mastoiditis, sinus thrombosis and suppuration of the petrous pyramid. Arch. Otolar., Chic., 1939, **30**: 800–29.—**Langenbeck, B.** Die Bedeutung der Pyramidenzellen bei der Otitis. Zschr. Hals &c. Heilk., 1940–41, **47**: 339–60.—**Lumsden, R. B.** Some remarks on Gradenigo's syndrome and petrositis (including a consideration of nine cases and an analysis of seventy-eight recorded cases) J. Lar. Otol., Lond., 1936, **51**: 150–66; Disc., 172–4.—**Mangabeira Albernaz, P.** Grande cellula pneumática do rochedo; contribuição á pathogenia da syndrome de Gradenigo. Brazil méd., 1927, **41**: 1149–55.—**Myerson, M. C.** Petrous apex suppuration involving the carotid canal and causing a Horner's syndrome. Laryngoscope, 1937, **47**: 345–51.—**Ninger, F.** [Petrositis profunda in acute and chronic inflammation of the middle ear] Cas. lék. česk., 1941, **80**: 17–21. ——— & **Hybášek, J.** [Petrositis otogenes] Sborn. lék., 1937, **39**: 1–30.—**Pinson, L.** Mastoïdite avec paralysie des nerfs crâniens par thrombose du golfe de la jugulaire et ostéite de la pointe du rocher. Rev. laryng.,

Bord., 1936, 57: 937–400.—**Quix, F. H.** [Case of acute infection of petrous bone] Ned. tschr. geneesk., 1928, 72: pt 2, 6255–63. ——— [Suppurative infection of the veins in petrous portion of temporal bone] Ibid., 1929, 73: pt 2, 4340–8.—**Ramadier, J.** Les symptômes de foyers intrapétreux au cours des otites aiguës. Presse méd., 1931, 39: 165–8. Also Otorhinolar. internat., Lyon, 1931, 15: 289–92. ——— Les ostéites pétreuses profondes (pétrosites) Ann. otolar., Par., 1934, 741–5. Also Médecine, Par., 1934, 15: 64–71.—**Richter, H.** Ueber Felsenbeinempyeme trotz ausheilender Entzündung in der Paukenhöhle. Arch. Ohr. &c. Heilk., 1940, 148: 339–47.—**Roberts, E. R.** Infection of the petrous apex. Laryngoscope, 1934, 44: 274–83.—**Runström, G.** Beitrag zur Röntgendiagnostik chronischer, vom Mittelohr ausgegangener Veränderungen im Felsenbein. Acta otolar., Stockh., 1931, 16: 389–91.—**Schlander, E.** Akute Mittelohreiterung, Mastoiditis, Pyramidenzelleneiterung, Operation nach Frenckner. Mschr. Ohrenh., Wien, 1947, 81: 479–82.—**Semenov, H.** Some observations on the histopathology of inflammation in the Eustachian tube and middle ear with comments on petrositis. Tr. Am. Lar. Rhin. Otol. Soc., 1936, 42: 563–98.—**Sjöberg, A.** Evacuation of apical focus by means of a modification of Streit's method. Acta otolar., Stockh., 1942, 30: 32–4.—**Takahara, T.** Suitai sentan no syuzyutu [operation on the pyramid] Syuzyutu, 1949, 3: 322–30.—**Tato, J. M., & Ries Centeno, R.** Panpetritis celulítica súperoposterior; absceso extradural profundo anterior, preápicopiramidal; operaciones Frenckner y apicotomía presuprapiramidal extradural; curación con restitución de la función auditiva. Sem. méd., B. Air., 1938, 45: pt 2, 808–12.—**Tobeck.** Ueber die Häufigkeit und Bedeutung otogener Pyramidenspitzenerkrankungen. Zschr. Hals &c. Heilk., 1935, 38: 162–75.—**Tobey, H. G., Mysel, P.** [et al.] Suppurative acute otitis media of the right ear, with mastoiditis and petrositis. Arch. Otolar., Chic., 1943, 38: 89–93.—**Uffenorde, W.** Die Entzündung in den Zellen des Felsenbeins und ihre Verwicklungen. Hals &c. Arzt, 1937, 28: 58–72. ——— Osteomyelitis des Felsenbeins nach akuter Otitis media beim Erwachsenen. Ibid., 365–77.—**Unterberger, S.** Subakute Mittelohreiterung rechts mit Pyramidenspitzensymptomenkomplex (Trigeminusneuralgie, Abduzensparese) erweiterte Antrotomie, postoperativ; Verschwinden der Pyramidenspitzensymptome. Mschr. Ohrenh., Wien 1939 73: 690–2.

—— Pharynx [incl. retropharynx]

Boenninghaus, G. Ein Fall von otitischem Retropharyngealabscess im frühen Kindesalter. Arch. Ohr. &c. Heilk., 1933, 137: 360–3.—**Borgheggiani, G.** Su un caso di ascesso perifaringeo da otomastoidite per probabile alterazione e diffusione dalle cellule peritubariche. Boll. mal. orecchio, 1935, 53: 5–11.—**Campo, F.** Contributo clinico ed anatomo-patologico agli ascessi latcro-faringei di origine otitica. Arch. ital. laring., 1926, 45: 13–9.—**Lévy-Deker, M.** Végétations adénoïdes et otites. Rev. méd. sociale, Par., 1937, 5: 341–4.—**Mitchell, H. G.** The relation of naso-pharyngeal sepsis to suppurative otitis media. Gen. Pract. Australas,. 1932, 3: 84.—**Restivo, P.** L'ascesso retrofaringeo da otomastoidite. Valsalva, 1932, 8: 29–35.—**Richards, L.** The surgical aspects of otitis media, peritonsillar abscess and retropharyngeal abscess. Am. J. Surg., 1939, 46: 505–18.—**Ruttin, E.** Chronische Mittelohreiterung mit Zerstörung der vorderen und unteren Gehörgangswand und Senkungsabszess in den Pharynx; Radikaloperation; Drainage vom Ohr in den Pharynx; Heilung. Mschr. Ohrenh., Wien, 1922, 56: 940.

—— Pneumatization of bone.

See also **Mastoid, Pneumatization; Middle ear, Pneumatization.**

Bröste, K. *Pneumatiseringen og de betaendelsesagtige forandringer i processus mastoideus ved mellemøresuppuration; en kliniskrøntgenologisk studie. 251p. 25cm. Kbh., 1936.

Diamant, M. Otitis and pneumatisation of the mastoid bone; a clinical-statistical analysis. 149p. 23½cm. Lund, 1940.
Forms Suppl. 41, Acta otolar., Stockh.

Seppälä, A. J. *Variations in the pneumatic cell system of the temporal bone; acute otitis media and complications in varying types of pneumatization. 131p. 23½cm. Helsin., 1946.
Also forms Suppl. 64, Acta otolar., Helsin.

Albrecht, W. Pneumatisation und Konstitution. Zschr. Hals &c. Heilk., 1924, 10: 51–5; Disc., 80–2. ——— Mittelohreiterung und Pneumatisation des Warzenfortsatzes. Ibid., 55–9; Disc., 80–2.—**Baratoux.** Etude anatomique d'une trainée cellulaire tympano-condylienne et considérations cliniques. Otorhinolar. internat., Lyon, 1935, 19: 74–81.—**Barth, H.** Pneumatisation nach Antrotomie. Zschr. Hals &c. Heilk., 1935, 38: 137–49. ——— Klinische und röntgenologische Untersuchungen über die Beziehungen der Pneumatisation zu dem Ablauf einer akuten Mittelohrentzündung. Ibid., 1936, 41: 137–58.—**Cavazzani, F.** Sull'importanza dei fattori costituzionali nell'otite media cronica; pneumatizzazione del temporale ed otite media cronica. Atti Soc. med. chir. Padova, 1938, 16: 91–5.—**Diamant, M.** Otitis and size of the air cell system. Acta radiol., Stockh., 1940, 21: 543–8. ——— Otitis and pneumatisation cell systems. Acta otolar., Stockh., 1942, 30: 47–53.—**Froste, N.** Studien über die Einwirkung der Pneumatisierung des Felsenbeins auf den Verlauf der Otitiden. Ibid., 394–430.—**Gotō, T.** Pneumatisation to tyūzi-en. Rinsyo & kenkyu, 1949, 26: 280–3.—**Hanse, W.** Akute Mittelohrentzündung und Pneumatisation des Warzenfortsatzes. Zschr. Hals &c. Heilk., 1929–30, 25: 424–30.—**Knick, A., & Witte, W.** Röntgenologische Studien über die Entwicklung der Warzenfortsatzzellen nach Otitis media im ersten Lebensjahre. Arch. Ohr. &c. Heilk., 1928, 119: 128–55.—**Lüscher, E.** Die Bedeutung der Pneumatisation des Warzenfortsatzes bei den entzündlichen Mittelohrerkrankungen. Schweiz. med. Wschr., 1943, 73: 900–2.—**Opheim, O.** Chronic middle ear inflammation and the pneumatic cellular system in the mastoid process. Acta otolar., Stockh., 1941, 29: 56–76.—**Petsch, J.** Beiträge zur Frage der Pneumatisation des Warzenfortsatzes nach Mittelohrentzündungen im ersten Lebensjahr. Zschr. Hals &c. Heilk., 1941–43, 48: 339–44.—**Richter, H.** Warzenfortsatzpneumatisation und Mucosuseiterung. Ibid., 1929, 25: 74–87. ——— Der Einfluss der Pneumatisation des Schläfenbeines auf den Verlauf der akuten Mittelohrentzündung. Hals &c. Arzt, 1939, 30: 229–37.—**Singer, L.** Eine morphologische Studie mit Beiträgen zur fetalen und postnatalen Entwicklung der Mittelohrräume mit Betrachtungen zur vollständigen und unvollständigen Pneumatisation des Schläfenbeines. Zschr. Hals &c. Heilk., 1932, 32: 110–25.—**Szemere, L.** Sull'importanza dei fattori costituzionali nell'otite media cronica; variazioni nella pneumatizzazione dei seni paranasali in soggetti con otite media cronica. Atti Soc. med. chir. Padova, 1938, 16: 87–90.—**Wonsowski, T.** Pneumatisation de l'apophyse mastoïde et otorrhée. Rev. laryng.. Par., 1927, 48: 451–5.—**Zurhausen, A.** Ueber die Bewertung des Pneumatisationszustandes des Schläfenbeines als Nährboden der unterschiedlichen Erreger der Mittelohrentzündung. Zschr. Hals &c. Heilk., 1937–38, 43: 1–4.

—— Pneumococcus infection.

See under other subdivisions (Diplococcus infection; Mucosus type)

—— Prevention.

Adams, W. S., Naylor-Strong, E. [et al.] Discussion on the prevention of chronic otitis and deafness. Proc. R. Soc. M., Lond., 1942–43, 36: 129–36.—**Bakwin, H., & Jacobziner, H.** Prevention of purulent otitis media in infants. J. Pediat., S. Louis, 1939, 14: 730–6.—**Du Pasquier.** La prophylaxie des otites à répétition. Rev. laryng., Bord., 1939, 60: 433–6.—**Feldman, A. I.** [Prophylaxis of otitis in early childhood] In: Jubil. otorinolar. sborn. posv. A. N. Zimin (Novosibirsk. Inst. usoversh. vrachei) Novosibirsk, 1933, 155–7.—**Fowler, E. P., jr.** Use of radon to prevent otitis media due to hyperplasia of lymphoid tissue and barotrauma (aero-otitis) Mississippi Valley M. J., 1945, 67: 134–7.—**Harrison, W. J.** The prevention and treatment of suppurative otitis media. Practitioner, Lond., 1930, 124: 113–26.—**Mackenzie, G. W.** The prevention of chronic middle ear suppuration. Ann. Otol. Rhinol., 1925–26, 34: 1068–76.—**Mahu, G.** La desinfection du cavum dans les maladies infectieuses. Ann. mal. oreille, 1923, 42: 991–6.—**Ostiguy, M.** Prévention de l'otite moyenne aiguë. Union méd. Canada, 1943, 72: 72.—**Page, J.** Some remarks on chronic suppurative otitis media, its prevention and treatment. Canad. M. Ass. J., 1931, 25: 303–6.—**Segura, E. V.** Obliteración artificial de la trompa de Eustaquio como medio de evitar las infecciones de la caja, de origen nasofaríngeo, en los casos de pérdida total ó casi total de la membrana del tímpano. Bol. lar. otol., Madr., 1903, 3: 209–14.—**Turner, R. G.** Further investigations on the control of infections of the upper respiratory tract and middle ear. Am. J. Physiol., 1935, 113: 133.—**Winter, P.** Comment prévenir les suppurations d'oreille et leurs complications? Prat. méd. fr., 1926, 5: 102–7.—**Wright, A. J.** Prevention of ear disease by removal of tonsils and adenoids. Brit. M. J., 1927, 2: 823.

—— Prognosis.

See also other subheadings (Complications; infantile: Prognosis; Mortality)

Silberschmidt, A. Zur Frage der Gefährlichkeit einfacher chronischer Mittelohrciterungen [Zürich] 33p. 24cm. Basel, 1945.
Also Pract. otorhinolar., Basel, 1945, 7: No. 1.

Bancroft, C. E., & Lowbeer, L. Fatal complications of otitis media. Proc. Hillcrest Mem. Hosp., Tulsa, 1947, Feb., 8–13.—**Bigler, M.** Beitrag zur Frage der Lebensgefährlichkeit der einfachen chronischen Mittelohreiterung. Zschr. Laryng., 1929, 18: 213–20.—**Chowrikar, D. G.** A fatal case of otitis media. Antiseptic, Madras, 1951, 28: 747.—**Claus, G.** Die Bedeutung der Erregerart für die Prognose der Mittelohreiterungen. Zbl. Hals &c. Heilk., 1930, 15: 625–43.—**Coulet, G.** Gravité du pronostic dans les otites, accompagnées de névralgie

faciale. Rev. méd. est, 1927, **55**: 314–6.—**Destroismaisons, R.** Pronostic de l'otite, son traitement. Ann. méd. chir. Hôp. S. Justine, Montréal, 1940, **3**: No. 3, 155–80.—**Diamant, M.** Relative risks of chronic and acute otitis. Acta otolar., Stockh., 1948, **36**: 520–31.—**Flines, E. W. de.** [Five cases of otitis media] Ned. tschr. geneesk., 1928, **72**: 1981–4.—**Guthrie, D.** The prognosis of middle-ear suppuration in children; a review of 500 cases. J. Lar. Otol., Lond., 1926, **41**: 305–15, pl.—**Howarth, W.** Prognosis in middle-ear suppuration. Lancet, Lond., 1935, **2**: 1071.—**Kertész, E., & Kočka, Z.** [Prognosis of otitis media and its complications according to the statistics of the otolaryngological clinic of Prof. A. Přecechtěl from 1923–1932] Cas. lék. česk., 1936, **75**: 433; 496; 513.—**Layton, T. B.** Medicine and duty. Lancet, Lond., 1941, **2**: 587.—**Pallestrini, E.** Il significato del potere battericida del sangue secondo Philipp quale indice prognostico nelle affezioni suppurative dell'orecchio. Gior. batt. immun., 1927, **2**: 595–602.—**Scheibe, A.** Ueber die Lebensgefährlichkeit der einfachen chronischen Mittelohreiterung und des akuten Rezidivs, sowie über ihre Definition. Beitr. Anat. Ohr., 1924, **21**: 366–73.—**Skoog, T.** [Factors for determining prognosis in acute otitis] Hospitalstidende, 1933, **76**: 3–5.—**Török, M.** [Prognostic importance of otoscopic findings on the eardrum in chronic otitis media] Budapesti orv. ujs., 1938, **36**: 84.—**Waltke, H. H.** Ist es berechtigt, lediglich aus der Lage der Trommelfellperforation eine absolut sichere Prognose über die Ungefährlichkeit beziehungsweise Lebensgefährlichkeit chronischer Mittelohreiterungen zu stellen? Zschr. Laryng., 1927, **16**: 107–12.

—— Proteus infection.

Neter, E., & Chait, R. A. Bacillus proteus in otitis media, complicated by mastoiditis, meningitis and bacteremia. Arch. Otolar., Chic., 1940, **32**: 947–50.—**Quix, F. H.** [Bacillus proteus and suppuration of the middle ear] Ned. tschr. geneesk., 1940, **84**: 3341.

—— Pseudomonas infection.

Didier, G. Otorrhée à bacille pyocyanique. J. sc. méd. Lille, 1924, **42**: pt 2, 112.—**Fallas, A.** Otites à pyocyanique. Scalpel, Brux., 1930, **83**: 691–5.—**Itikawa, T.** Beitrag zur experimentell-histologischen Untersuchung von Pyocyaneus-Otitiden. Mitt. Med. Akad. Kioto, 1936, **16**: 704–6. Also Jap. J. M. Sc., Otorhinolar., 1939–40, **3**: No. 2, Proc., 1–3.—**Matumura, M.** Tyūzien bunpitubutu-tyū yori bunri-sitaru ryokunō-kin ni kansuru kenkyū [studies on the Bacillus pyocyaneus isolated from the secretions of otitis media] Zibiinkoka rinsyo, 1941, **36**: 716; 968.—**Saint Martin, M., & Lasalle, G.** Guérison rapide d'une infection de l'oreille à pyocyanique par la streptomycine. Union méd. Canada, 1949, **78**: 819–21.

—— Radiography.

See also subheading Paralysis.

Bouton, E. C. *Contributions à l'examen radiologique des affections inflammatoires de l'oreille moyenne; technique; résults; limites [Strasbourg] 112p. 24cm. Metz, 1935.

Caesar, G. J. *Die Bedeutung des Röntgenbildes für die Erkennung destruktiver Veränderungen im Felsenbein und Warzenfortsatz bei akuter und chronischer Otitis media. 66p. 8° Bonn, 1936.

Christ, W. *Vergleichende Untersuchungen von Röntgenbefunden mit Operationsbefunden bei akuten Mittelohreiterungen [Heidelberg] 21p. 8° Mannheim-Seckenheim, 1934.

Conrad, H. *Vergleichende Betrachtung über Röntgen- und Operationsbefund bei der akuten Mittelohreiterung. 15p. 8° Erlangen, 1934.

Runström, G. A roentgenological study of acute and chronic otitis media. 88p. 8° Stockh., 1933.
Forms Suppl. 17, Acta radiol., Stockh.

Zahn, P. *Vergleichende Untersuchungen von Röntgenbefunden mit Operationsbefunden bei chronischen Mittelohreiterungen [Heidelberg] 15p. 22cm. Erlangen-Bruck, 1937.

Baldenweck, L., & Leroux-Robert, J. La radiographie de la mastoïde dans les indications opératoires des oto-mastoïdites aiguës et chroniques. Ann. otolar., Par., 1938, 613; 836, 16 pl.—**Baldenweck, L., & de Prades, D.** Application de la radiographie du rocher à l'étude du syndrome de Gradenigo. Bull. Soc. opht. Paris, 1926, 221–6. Also Acta otolar., Stockh., 1927, **11**: 244–53.—**Bigler, M.** Zur röntgenologischen Darstellung eines Knochenabscesses in der Felsenbeinspitze beim Gradenigoschen Symptomenkomplex. Zschr. Hals &c. Heilk., 1929–30, **25**: 249–55.—**Burger, H.** [Roentgen studies in Gradenigo's syndrome] Ned. tschr. geneesk., 1931, **75**: pt 4, 6003–7, 2 pl. Also Acta otolar., Stockh., 1932, **17**: 353–61.—**Carponi Flores, J.** Importancia del estudio radiográfico de la mastoides en el curso y complicaciones de las otitis supuradas. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **6**: 337–41.—**Chaussé, C.** Les indications du radio-diagnostic dans les suppurations de l'oreille. J. méd. Paris, 1939, **59**: 671–3. ——— La place de l'incidence III dans le radiodiagnostic des otorrhées et dans la radio-otologie. Ann. otolar., Par., 1948, **65**: 557.—**Cottenot, P., & Fidon, M.** Technique d'examen radiologique du rocher et de la mastoïde sous trois incidences; interprétation des images normales. J. radiol. électr., 1930, **14**: 1–12.—**Danelius, G.** The value of the axial projection of the petrous bone in the diagnosis of chronic mastoiditis and cholesteatoma. Radiology, 1944, **43**: 492–8.—**Deutsch, L.** Zur Röntgendiagnostik der chronischen Otitis. Zschr. Hals &c. Heilk., 1924, **10**: 203–11.—**Dohlman, G.** What can röntgen examination contribute at present in acute and chronic otitis? Acta otolar., Stockh., 1934, **20**: 471–6. Also Nord. med. tskr., 1934, **7**: 468.—**Duerto, J.** El diagnóstico de las oto-mastoiditis por los rayos Röntgen. Arch. med., Madr., 1929, **31**: 565–9.—**Eisinger, K.** Ueber das Verhältnis der röntgenologischen zu den klinischen Symptomen bei der akuten Otitis. Mschr. Ohrenh., Wien, 1932, **66**: 266–73. ——— **& Mayer, E. G.** Zur Röntgenuntersuchung bei der akuten Otitis. Ibid., 1927, **61**: 43–7. Also Fortsch. Röntgenstrahl., 1927, **36**: 341–52.—**Epstein, H.** Röntgenologischer Beitrag zum Gradenigosymptomenkomplex. Arch. Ohr. &c. Heilk., 1933, **135**: 351–8.—**Frey, H.** Ungewöhnlich charakteristisches Röntgenogramm bei chronischer Mittelohreiterung und perisinuösem Abszess. Mschr. Ohrenh., Wien, 1935, **69**: 358.—**Gunsett, A., Sichel, D., & Bouton, E.** La radiographie simple et la radiographie stéréoscopique du massif pétro-mastoïdien dans le diagnostic des otites moyennes. J. radiol. électr., 1934, **18**: 1–20.—**Knoche, P.** Die Bedeutung des Röntgenbildes bei unklaren Mittelohrfällen (kasuistischer Beitrag) Beitr. Anat. Ohr., 1927, **25**: 309–13.—**Kraus, L.** Röntgenbefunde beim Gradenigo. Arch. Ohr. &c. Heilk., 1931–32, **130**: 349–57.—**Kriegsmann.** Röntgenologische Untersuchungen an Warzenfortsätzen nach durchgemachter Otitis. Zschr. Hals &c. Heilk., 1931, **29**: 259–76.—**Lejeune-Laoureux, J.** L'incidence III dans le radiodiagnostic otologique. Acta otorhinolar., Brux., 1947, **1**: 311–20.—**Loepp, W.** Vorzüge und Grenzen der röntgenologischen Untersuchungsmethode bei entzündlichen Mittelohrerkrankungen. Med. Klin., Berl., 1936, **32**: 1496.—**Malan, A.** Syndrome de Gradenigo bilatéral; de l'importance de l'examen radiologique des pyramides pétreuses dans ce syndrome. Ann. otolar., Par., 1931, 129–35.—**Mandelbaum, M. J.** Diagnostic and therapeutic value of iodized oil in chronic purulent otitis media and chronic mastoiditis; preliminary report. Laryngoscope, 1929, **39**: 156–70.—**Matheu Climent, J.** Radiología práctica; la mastoiditis. Rev. españ. otoneuroft., 1944, **2**: 234–42, illust.—**Mayer, E. G.** Ueber den Röntgenbefund bei der chronischen Otitis. Fortsch. Röntgenstrahl., 1925, **33**: 495–503, 2 pl.—**Neumann, H.** Welche Bedeutung hat die Röntgenuntersuchung für die Beurteilung der akuten Mittelohrentzündung? Aerztl. Prax., Wien, 1935, **9**: 320. Also Wien. klin. Wschr., 1935, **48**: 373. Also Wien. med. Wschr., 1935, **85**: 1089.—**Olsson, Y.** Om röntgenundersökningens betydelse vid de kroniska otiterna. Nord. med. tskr., 1934, **8**: 1161–8. Also Acta radiol., Stockh., 1935, **16**: 632–4.—**Pierangeli, C. E., & Guardabassi, L.** Le modificazioni radiologiche della mastoide nel decorso delle affezioni acute e croniche dell'orecchio medio. Ann. radiol. diagn., Bologna, 1948, **20**: 365–82.—**Serrand, J.** Les renscignements fournis par l'exploration radiologique dans les affections de la mastoïdite et des sinus. J. méd. Paris, 1927, **46**: 320.—**Shlifer, I. G.** [Roentgen diagnostic of otitis media] Vest. rentg., 1929, **7**: 43–56.—**Tato, J. M.** Estudio radiográfico seriado de la piramide de un caso de síndrome de Gradenigo curado sin intervención. Rev. As. méd. argent., 1935, **49**: 56–9.—**Thienpont, R.** Le radiodiagnostic dans les otorrhées chroniques. Bull. Soc. belge otol., 1935, 245–8.—**Weber, M.** Ueber den regelwidrigen Röntgenbefund bei chronischer Mittelohreiterung. Zschr. Hals &c. Heilk., 1941–43, **48**: 465–77.—**Welin, S.** Beiträge zur Röntgendiagnostik der Otitis media acuta und ihrer Komplikationen im Schläfenbein. Schweiz. med. Wschr., 1942, **72**: 276.—**Worms, G., & Bretton, R.** L'exploration radiologique du massif pétro-mastoïdien; conduite de l'examen; valeur de l'incidence fronto-sous-occipitale. J. radiol. électr., 1929, **13**: 23–37.—**Young, B. R.** The roentgen diagnosis of otitis media and mastoiditis in infancy and early childhood. Pennsylvania M. J., 1948–49, **52**: 213.

—— recurrent.

Dupoux, J. *La mastoïdite récidivante; récidives vraies des mastoïdites. 95p. 24cm. Lyon, 1944.

Davis, E. D. D. Recurrent middle-ear catarrh. Practitioner, Lond., 1943, **151**: 123.—**D'Onofrio, F.** Considerazioni sulle otiti medie purulente acute recidivanti negli operati di mastoidotomia. Arch. ital. otol., 1928, **39**: 679–82.—**Du Pasquier.** La prophylaxie des otites à répétition. Otorhinolar. internat., Lyon, 1939, **23**: 252–5.—**Núñez Pérez, G.** El radón en la profilaxis de ciertas hipoacusias y otitis recidivantes en la infancia. Práct. méd., Madr., 1948, **6**: No. 66, 9–14.—**Schlander, E.** Rezidivotitis nach Antrotomie; alter Hirnprolaps; Meningitis. Mschr. Ohrenh., Wien, 1934, **68**: 94–9.

—— Respiratory tract.

DEL REY SÁNCHEZ, J. M. La otitis media precursora de la neumonia infantil; contribución a su estudio. 43p. 19cm. Montev., 1940.

Almeida, L. de, & Dionizio, A. M. Oto-pneumonia. Coimbra méd., 1938, **5**: 11–21.—**Babbitt, J. A.** The septum-ethmoid complex in relation to chronic catarrhal otitis media. Tr. Coll. Physicians Philadelphia, 1924, **46**: 485–93, pl. Also Ann. Otol. Rhinol., 1925–26, **34**: 389–95, 4 pl.—**Bass, A. L.** Etiology of middle ear suppuration with special reference to sinusitis as a factor. Kentucky M. J., 1932, **30**: 436–40.—**Cullom, M. M.** The association of sinus disease and middle ear infection. Tr. Am. M. Ass., Sect. Lar. Otol., 1934, 143–61. Also J. Am. M. Ass., 1934, **103**: 1695–700.—**Escat, E.** Pneumonies et pleurésies purulentes otogènes sans thrombo-phlébite. Otorhinolar. internat., Lyon, 1921, **5**: 289–94.—**Görges, H. W.** Otitis media als einleitendes Symptom der Pneumonie im Kindesalter. Med. Klin., Berl., 1940, **36**: 190; 472.—**Krassnig, M.** Die Otitis media und Lobärpneumonie beim Kleinkinde. Mschr. Ohrenh., Wien, 1940, **74**: 349–52.—**Reaves, W. P.** Why is the middle ear an accessory of the upper respiratory tract, which often becomes the etiological headquarters of otitis media and acquired deafness? Tr. M. Soc. N. Carolina, 1907, **54**: 110–7.—**Watanabe, H.** Zikken-teki tyūzien ni yoru haien no seisei ni tuite [development of pneumonia caused by experimental otitis media] Nagasaki igakkai zassi, 1942, **20**: 2001–18, 3 pl.—**Yamamoto, S.** Tyūzi-en to hai-en [otitis media and pneumonia] Rinsyo keirin, 1943, **5**: 51–9.

—— Salmonella infection.

See also under names of specific infections by Salmonella.

Franz, H. Ueber zwei Fälle von Paratyphus im Mittelohr. Zschr. Laryng., 1927–28, **16**: 307–12.

—— scarlatinal.

See also other subheadings (Brain abscess; Sepsis; Sinus thrombosis) also **Scarlet fever,** Ear.

GRAUPNER, W. *Beiträge zur Scharlach-Otitis. 23p. 8° Frankf., 1937.

HOLMGREN, G. Om otitis media perforativa vid scarlatina. 95p. 8° Stockh., 1912.
In: Otolar. meddel., Stockh., 1912, **1**:

LEMARIEY, A. *Contribution à l'étude de l'otite scarlatineuse et de ses complications chez l'enfant. 122p. 8° Par., 1928.

NIETZKI, M. *Ueber Scharlachotitis. 12p. 4° Königsb., 1926.

VOLKMANN, I. *Die Pathomorphose des Scharlachs in ihrer Auswirkung auf die Scharlachertaubung. 16p. 8° Greifsw., 1934.

Abrams, J. I., & Friedman, S. The problem of otitis media and mastoiditis in scarlet fever. N. England J. M., 1933, **209**: 494–500.—**Aenggård, G.** Etudes sur la clinique et le pronostic de la mastoïdite scarlatineuse. Acta otolar., Stockh., 1940, **28**: 136–52.—**Alderton, H. A.** Late mastoiditis following scarlet fever with perisinus abscess and sinus thrombosis. Ann. Otol. Rhinol., 1911, **20**: 246.—**Atkarsky, V. A.** [Characteristics of streptococci, isolated in suppurative otitis and mastoiditis in scarlatinous patients] Tr. Nauch. inst. fiziol., 1934, **1**: 387–96.—**Bandeira de Lima, F.** A otite média pós-escarlatinosa; suas características, diagnóstico e terapêutica. Gaz. méd. port., 1948, **1**: 794.—**Baradulina, M. G.** [Parapharyngeal complications in otitis in children with scarlet fever] Vest. otorinolar., 1940, No. 10, 54–9.—**Bergh, E.** [Scarlatinal mastoiditis] Sven. läk. tidn., 1929, **26**: 1353–66. ——— [Acute purulent otitis in scarlatina] Ibid., 1930, **27**: 1409; passim.—**Brander, I. B.** [Scarlatinal mastoiditis] Vest. otorinolar., 1937, 156–65.—**Buzoianu, G., Ionescu, D., & Bodea, E.** [Case of bilateral, acute, suppurative scarlatinal mastoiditis in a child] România med., 1936, **14**: 91.—**Cherniavsky, G. A.** [Acute, scarlatinal otitis and mastoiditis] Vest. otorinolar., 1937, 149–55. Also in: Skarlatina (Moskov. klin. inst. infekc. bol.) 1938, No. 1, 86–92.—**Cseh, P.** [Association of scarlet fever and erysipelas in ear diseases] Gyógyászat, 1938, **78**: 539–41. Also Acta otolar., Stockh., 1939, **27**: 436.—**Davis, H. J.** Caries and necrosis of temporal, parietal, and occipital bones following mastoiditis due to scarlet fever in a girl aged 5; operation; recovery. Proc. R. Soc. M., Lond., 1910–11, **4**: Otol. Sect., 70.—**Filipo, D.** Studio clinico batteriologico dell'otite nella scarlatina. Arch. ital. otol., 1938, **50**: 428–41.—**García, J., & Ylurre.** Otitis media purulenta crónica escarlatinosa, con voluminoso colesteatoma, en una niña de cuatro años. Med. ibera, 1935, **29**: 467.—**Gilhespy, F. B.** Scarlet fever otitis. Birmingham M. Rev., 1926, n. ser., **1**: 175–86, 2 pl.—**Gleissner, A.** Zur Frage der familiären Disposition zu Otitis media-Komplikationen bei Scharlach. Münch. med. Wschr., 1939, **86**: 1725.—**Goldinberg, M.** Zur Klinik der Scharlachotitis. Mschr. Ohrenh., Wien, 1929, **63**: 1164–82.—**Halphen, E.** Otite aiguë, labyrinthite diffuse et scarlatine. Rev. otoneur., Par., 1938, **16**: 195–8.—**Hofmann, L.** Nebenhöhlenempyem und akute Otitis bei Scharlach; Mastoiditis, Sinusthrombose? Sepsis; sich wiederholende Blutungen aus dem Sinus; Exitus. Mschr. Ohrenh., Wien, 1934, **68**: 246–9. ——— Beiderseitige eitrige Mittelohrentzündung und Siebbeinempyem nach kompliziert verlaufendem Scharlach; langwieriger Verlauf; Operation; Heilung. Ibid., 1936, **70**: 238–41.—**Hoyne, A. L., & Spaeth, R.** The ear complications of scarlet fever. J. Pediat., S. Louis, 1938, **12**: 287–97.—**Ivanova, A. I.** [Scarlatinous otitis in young children] Sovet. vrach. J., 1936, **1**: 1560–5.—**Kanevsky, V. L.** [Clinical aspect of acute suppurative otitis in scarlet fever] Vest. otorinolar., 1939, No. 1, 35–51.—**Kántos, J.** [Scarlatinal otitis media and sinus thrombosis] Budapesti orv. ujs., 1936, **34**: 52–6.—**Klein, V.** Total døvhed i tilslutning til scarlatina. Ugeskr. laeger, 1913, **75**: 1137.—**Lapointe, J.** L'otite scarlatineuse. Union méd. Canada, 1930, **59**: 97–102.—**Lemariey, A.** Contribution à l'étude de l'otite scarlatineuse et de ses complications chez l'enfant. Ann. mal. oreille, 1928, **47**: 997–1044.—**Lewy, R. B.** Scarlet fever, bilateral mastoiditis with intervening pneumonia and cerebellar abscess with recovery. Ann. Otol. Rhinol., 1942, **51**: 264–7.—**Marañés, F.** Sobre otitis escarlatinosa. An. Hosp. S. José, Madr., 1932–33, **4**: 122–8.—**Mathesius, V. J.** Působí spálová otitis v těle na dálku? klinické poznámky k fokální infekci. Cas. lék. česk., 1944, **83**: 617–20.—**Mayer, H.** Scharlachotitis und Schleimhautkonstitution. Hals &c. Arzt, 1937, **28**: Erbbl., 17–34.—**Mezrin, M. P.** [Scarlatinous otitis] Vest. otorinolar., 1939, No. 1, 52–61. ——— [Remote results of scarlatinous otitis] Ibid., 1940, No. 11, 92–100. ——— O vozbuditeliakh ostrykh scarlatinoznykh otitov. Ibid., 1948, No. 3, 24–9.—**Mihailov, K. P.** [Scarlatinous otitis] In: Sbornik M. P. Kireev (Buznikov, A. N.) Moskva, 1937, 109–13.—**Nager.** Zwei Fälle von Taubstummheit nach Scharlach-Meningitis. Schweiz. med. Wschr., 1927, **57**: 137.—**Natanson, A. M., & Konstantinovich, N. V.** [Histopathology of scarlatinal mastoiditis] J. ushn. nosov. gorlov. bolez., 1939, **16**: 208–27.—**Nienhuis, J. H.** [Middle ear infection in scarlet fever] Geneesk. gids, 1927, **5**: 457–66.—**Orbant, L. P.** [Early suppurative affections of the mastoid process in grave fulgurating forms of scarlatina] Odes. med. J., 1928, **3**: 285–8.—**Piquet, Porez & Delplace.** Scarlatine, angine à fausses membranes non diphtérique; septicémie streptococcique; mastoïdite, emploi du sérum de Vincent. Echo méd. nord, 1934, 3. ser., **1**: 52–4.—**Posnjak, M. A., & Gehrke, P. J.** Histopathologie der skarlatinösen Mastoiditis. Mschr. Ohrenh., Wien, 1935, **69**: 1062–76.—**Rumbeli, G.** Zur Histologie der Taubstummheit nach Scharlachmeningitis. Zschr. Hals &c. Heilk., 1927, **19**: 195–208.—**Schlander, E.** Scharlachotitis, Mastoiditis, Sinusthrombose, otogene Sepsis, eitrige Meningitis, Exitus (Präparatdemonstration) Mschr. Ohrenh., Wien, 1939, **73**: 232.—**Schmidt, G. F.** Ueber Zygomatikus-(Jochbein-) Vereiterungen als Komplikation des 2. Scharlachs. Arch. Kinderh., 1937, **111**: 224–35.—**Segura, E. V.** Complicaciones óticas de la escarlatina. Rev. otoneur., B. Air., 1930, **5**: 104–17.—**Seiferth, L. B.** Eine Studie über die Scharlach-Otitis und Labyrinthitis und deren endokranielle Folgeerkrankungen. Beitr. Anat. Ohr., 1931, **29**: 210–61, tab. ——— Zur Bakteriologie, Pathogenese und Therapie der Scharlachotitis unter Berücksichtigung konstitutioneller Faktoren. Zschr. Hals &c. Heilk., 1931, **29**: 159–62.—**Souper, H. R.** Scarlet fever otitis media. J. Lar. Otol., Lond., 1926, **41**: 233–46.—**Tamarkin, E. Z.** [Effect of the structure of the mastoid process on the course of suppurative otitis in scarlet fever] Vest. otorinolar., 1941, No. 3, 85.—**Taylor, E. F.** Acute otitis media in scarlet fever. Manitoba M. Rev., 1947, **27**: 637.—**Urbantschitsch, E.** Zur Frage der Ausschaltung des Innenohres bei Scharlach-Otitis. Mschr. Ohrenh., Wien, 1939, **73**: 1–18. ——— Einseitige Scharlachotitis mit beiderseitiger Fazialisparese, toxisch-seröse Meningitis; Heilung. Ibid., 1943, **77**: 344.—**Wachter, W.** Ueber Diphtheriebazillen bei Scharlach-Otitis. Wien. med. Wschr., 1939, **89**: 694.—**Wesselhoeft, C.** Factors influencing the incidence and course of otitis media in scarlet fever. Ann. Int. M., 1938–39, **12**: 1473–85.—**Williams, H. J.** Otitis media in scarlet fever. Arch. Otolar., Chic., 1933, **17**: 235–42. ——— Otitis media and orbital cellulitis in scarlet fever and a preliminary report on loss of hearing in this disease. Tr. Am. Lar. Rhin. Otol. Soc., 1938, **44**: 134–47. Also Arch. Otolar., Chic., 1939, **29**: 82–9.—**Worms, G., & Fricker, J.** La réaction de Dick chez les sujets atteints d'otite moyenne suppurée. C. rend. Soc. biol., 1932, **109**: 368–70.

—— scarlatinal: Statistics.

Babcock, H. L. Mastoiditis in scarlet fever; an analysis of 2,000 cases at the Haynes Memorial Hospital. N. England J. M., 1931, **205**: 1149.—**Barwich, M.** Zur Otitis der gegenwärtigen Scharlachepidemie. Mschr. Ohrenh., Wien, 1931, **65**: 812–28.—**Engler, C. W.** Otitis media in scarlet fever; a survey of cases at Cleveland City Hospital for the past 10 years. Ohio M. J., 1941, **37**: 139–43.—**Fox, M. J., & Minning, V. L.** Incidence of otitis media and mastoiditis in scarlet fever. Ann. Otol. Rhinol., 1948, **57**: 489–99.—**Holmgren, G.** Om otitis media perforativa vid scarlatina; statistiska studier. Hygiea, Stockh., 1912, **74**: 277; 390.—**Laib, T.** [Statistics of otitis from scarlet fever] Orv. hetil., 1931, **75**: 995–8.—**Lefler, A. B.** Scarlet fever otitis; a report of 66 cases. Ann. Otol. Rhinol., 1927, **36**: 495–502.—**Rade, F.** Ueber die Mittelohreiterung bei Scharlach (Beobachtungen an 2,835 Scharlach-

fällen) Zschr. Laryng., 1933, 24: 126–36.—**Usolcev, N. N.** [Observations of purulent inflammation of the middle ear in scarlatina epidemic of 1925–26] Mosk. med. J., 1927, 7: No. 4, 18–25.—**Williams, H. J.** Otitis media in scarlet fever; a report of the aural complications occurring in the scarlet-fever patients at the Philadelphia Hospital for contagious diseases during the years 1922 to 1929 inclusive. Tr. Am. Laryng. Ass., 1932, 38: 247–55.

—— scarlatinal: Treatment.

KRUK-RAPOPORT, R. *Statistik über die Otitis media und die Behandlung mit polyvalentem Antistreptococcenserum des Berner Serum- und Impf-Institutes. 39p. 8° Zür., 1910.

Arnold. Ein Fall von otogener Sepsis bei Scharlach, Heilung durch Penicillin. Wien. klin. Wschr., 1946, 58: 740.—**Atkarskaia, A. A., & Atkarsky, V. A.** [Paracentesis in scarlatinal otitis] Tr. Nauch. inst. fiziol. 1934, 1: 380–7.—**Barwich, M.** Septische Sinusthrombose trotz klinisch scheinbar ausgeheilter akuter Scharlachotitis; Operation; Jugularisligatur; Heilung. Mschr. Ohrenh., Wien, 1954, 68: 85.—**Dunlap, A. M.** The drainage of mastoids as a means of preventing scarlet fever ears. Laryngoscope, 1922, 32: 272–4.—**Hannerz, L.** Maskeringseffekt vid tidig kemoterapi av scarlatinaotiter [Discussion] Nord. med., 1944, 24: 1901.—**Lepneva, P. G.** [Surgical treatment of scarlatinal otitis] Sovet. vrach. gaz., 1932, 36: 266–71.—**McGregor, M., Layton, T. B.** [et al.] Incidence and management of scarlet fever otitis. Lancet, Lond., 1935, 1: 1444.—**Møller, E.** [Treatment of acute suppurative scarlatina otitis with streptamide rinsing] Nord. med., 1939, 2: 1665; 1941, 11: 2365.—**Nisihata, T.** Ueber zwei geheilte Fälle von Pyramidenspitzeneiterung bei der Scharlachotitis. Zschr. Otorhinolar., Tokyo, 1938, 44: 142.—**Tamási, G., & György, E.** Adatok a gyermekkori scarlátos középfülgyulladások kezeléséhez. Paediat. danub., Budap., 1948, 4: 161–73.—**Weiss, J. A., & Manheims, P. J.** Penicillin prophylaxis against acute otitis media in scarlet fever. U. S. Nav. M. Bull., 1946, 46: 1711–5.

—— secretory.

See also subdivisions (acute; Pathology; serous)

Citelli, S. Sull'esistenza di un'otite media secretiva micotica. Boll. Soc. biol. sper., 1926, 1: 706–8.—**Claus, G.** Zur Diagnose und Therapie des sekretorischen Mittelohrkatarrhs mit besonderer Berücksichtigung der Paukenhöhlenpunktion. Arch. Ohr. &c. Heilk., 1936, 142: 186–91.—**Eagle, W. W.** Secretory otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1946, 50: 23–37. Also Ann. Otol. Rhinol., 1946, 55: 55–67.—**Forschner, L.** Ueber den sogenannten sekretorischen Mittelohrkatarrh. Zschr. Hals. &c. Heilk., 1925, 12: 477–81; Disc., 487.—**Good, R. P.** Secretory otitis media. Tr. Indiana Acad. Ophth. Otolar., 1947, 30: 18–27.—**Hall, S. S.** Secretory otitis media. West Virginia M. J., 1949, 45: 325–7.—**Hantman, I.** Secretory otitis media. Arch. Otolar., Chic., 1943, 38: 561–73, pl.—**Hofmann, L. v.** Ueber den sekretorischen Mittelohrkatarrh. Arch. Ohr. &c. Heilk., 1941, 149: 27–34.—**Hotchkiss, W. T.** Chronic secretory otitis. South. M. J., 1948, 41: 727–32.—**Jordan, R.** Chronic secretory otitis media. Laryngoscope, 1949, 59: 1002–15.—**Kempler, S. L.** Acute secretory nonsuppurative otitis media. Bull. Pract. Ophth., S. Franc., 1948, 18: 35–8.—**Lawson, L. J.** Secretory otitis media; with special reference to the mucous type. Arch. Otolar., Chic., 1927, 6: 346–52.—**Löwy, K.** Zur Pathologie des sekretorischen Mittelohrkatarrhs. Mschr. Ohrenh., Wien, 1938, 72: 40–6. ——— Ueber die durch den sekretorischen Mittelohrkatarrh bedingte Hörstörung. Ibid., 976–83.—**Lüscher, E.** The importance of otomicroscopy in the diagnosis and treatment of the so-called secretory middle-ear catarrh. J. Lar. Otol., Lond., 1936, 51: 454–61, 4 pl.—**Ruttin, E.** Ueber Fistelsymptom ohne Fistel bei sekretorischem Katarrh. Mschr. Ohrenh., Wien, 1923, 57: 969–75. ——— Zur Aetiologie des sekretorischen Katarrhs, insbesondere bei Nasen-Rachen-Tumoren. Zschr. Hals &c. Heilk., 1925, 12: 481–8. ——— Nystagmus durch Lufteinblasung bei sekretorischem Katarrh. Mschr. Ohrenh., Wien, 1930, 64: 511–20.—**Schlander, E.** Zur Pathologie des sekretorischen Katarrhs. Ibid., 1932, 66: 278–85. ——— Zur Histologie des sekretorischen Katarrhs. Ibid., 1947, 81: 494–501.

—— Sepsis [incl. bacteriemia]

See also other subdivisions (Bacteriology; Micrococcus infection; Mucosus type, etc.) also **Sepsis,** otogenous.

AGRA, A. *Sepsis otógena. 109p. 23½cm. B. Air., 1939.

STEINER, M. *Ueber vom Ohr ausgehende Allgemeininfektion bzw. Sinusthrombose. 37p. 22cm. Erlangen-Bruck, 1936.

Alexander, G. Otogene Pyämie, Bakterämie und Sepsis. Wien. med. Wschr., 1923, 73: 2293; 1924, 74: 1167.—**Arauz, S. L.** Oto-mastoiditis; septicopiohemia sin lesión aparente del seno lateral. Rev. As. méd. argent., 1933, 47: 2578–83.—**Arslan, Y., Vivaldi** [et al.] Piemia otitica da streptococco con sinusite. Italia san., 1908, 4: 57.—**Aubriot, P., & Chatelain, P.** Une observation de septico-pyohémie otogène. Rev. méd. est, 1927, 55: 296–300.—**Beyer, T. E.** Otitic pyemia without sinus thrombosis. Laryngoscope, 1928, 38: 785–9. ——— Otitic pyemia without sinus thrombosis following rupture of the right tympanic membrane. Ibid., 1931, 41: 11–3. ——— Otitic sepsis independent of sinus thrombosis. Colorado M., 1934, 31: 300–4.—**Bonnet-Roy, F.** Septico-pyohémie auriculaire. Bull. méd., Par., 1936, 50: 142.—**Brătescu, V., & Racoveanu, V.** Un cas de oto-mastoïdite aiguë, opérée, avec thrombo-phlébite sinuso-jugulaire et septicémie streptococcique; guérison; présentation de malade. Rev. chir., Bucur., 1934, 37: 890. ——— **& Moga.** Oto-mastoïdite suppurée avec thrombo-phlébite sinuso-jugulaire et septicémie à streptocoques. Ibid., 1933, 36: 505.—**Caldera, C., & Pinaroli, G.** Sopra un nuovo caso di piemia otitica da micrococco tetrageno. Arch. ital. otol., 1911, 22: 34–7.—**Canto, N., & Sáenz de Miera, J. P.** Septicemia de origen ótico; caso intervenido con éxito. Rev. san. mil., Madr., 1933, 23: 345–51.—**Casadesús Castells, F.** Sepsis óticas agudas y sepsis amigdalares agudas y crónicas. In: Fisiopat. clín. trat. sepsis (Gubern S., L.) Barcel., 1945, 252–60.—**Colleville.** Thrombophlébite du sinus latéral droit au cours d'une otite chronique réchauffée; septicémie avec localisation pleuropulmonaire et phlébites des jambes; guérison. Echo méd. Nord, 1937, 8: 400–2.—**Cousin, Fumeau** [et al.] Deux cas de septicémie otique avec métastases. Rev. méd. Centr. Ouest, 1936, 8: 8–13.—**Druss, J. G.** Bacteremia of otitic origin; report of case presenting problem in diagnosis; recovery following unusually complicated course. J. Mount Sinai Hosp. N. York, 1940–41, 7: 36–8.—**Ersner, M. S.** Otitic sepsis due to causes other than lateral sinus thrombosis and phlebitis. Tr. Am. Acad. Ophth. Otolar., 1938, 75–86.—**Flerov, K. F.** [On sepsis due to acute otitis] Klin. med., Moskva, 1928, 6: 1263–70.—**Forns, R.** Sobre oto-cirugía radical en las afecciones sépticas del oído medio. Congr. hisp. portug. cirug., 1898, 1. Congr., 117–22.—**Fraser, J. S.** Septic otitic thrombosis of the cranial blood sinuses and jugular bulb. J. Lar. Otol., Lond., 1924, 39: 253–61, pl.—**Friesner, I.** Infections of the middle ear; acute systemic infections from the ear. Arch. Otolar., Chic., 1931, 14: 257–65. Also Bull. N. York Acad. M., 1931, 2. ser., 7: 1–13.—**Frotzl, J.** Zánéty serosních blan jako komplikace septických otitid. Cas. lék. česk., 1920, 59: 192–6.—**Glass, E. J. G.** Blood infection from otitis media: an analysis of 63 consecutive cases in Nottingham and district during the period 1926–32 inclusive. J. Lar. Otol., Lond., 1933, 48: 754–60.—**Hasty, F. E.** Septicemia of otitic origin. South. M. J., 1926, 19: 570–5.—**Haymann, L.** Otogene Allgemeininfektion ohne Sinusthrombose. Arch. Ohr. &c. Heilk., 1929, 122: 116–23.—**Hennebert, C.** Courbe thermique de la pyémie dans un cas d'otite aiguë double. Bull. Soc. belge otol., 1908–09, 14: 131–3.—**Hofer, I.** Eigentümlichkeiten der otogenen Sepsis im Säuglings- und Kindesalter. Mschr. Ohrenh., Wien, 1939, 73: 562. Also Wien. Klin. Wschr., 1939, 52: 464–7.—**Hubert & Reliquet.** Septicémie à streptocoque avec mastoïdite; abcès du bras et arthrite non suppurée de la hanche. Otorhinolar. internat., Lyon, 1934, 18: 430–2.—**Iconomoff.** Un cas d'otite moyenne purulente chronique droite compliquée de mastoïdite, de thrombose du sinus latéral et de pyohémie. Arch. balkan. méd. chir., Par., 1939, 1: 222.—**Ioannovits, D.** Conclusions sur les septicémies otogènes. Ann. otolar., Par., 1949, 66: 484–8.—**Jenkins, G. J.** Septicaemia and acute infection of the middle ear tract. Proc. R. Soc. M., Lond., 1924–25, 18: Sect. Otol., 21–4. Also J. Lar. Otol., Lond., 1925, 40: 357–62.—**Jerosch, G.** Beitrag zur otitischen Pyämie. Verh. Ges. deut. Naturforsch. (1910) 1911, 82: 2. T., 366.—**Karbowski, B.** [Septicemia of aural origin in very young children] Warsz. czas. lek., 1935, 12: 157; 177; illust.—**Kerekes, G.** [Otogenous sepsis] Orv. hetil., 1933, 77: 982–4.—**Kopetzky, S. J.** Systemic infection complicating purulent middle ear disease. J. Am. M. Ass., 1924, 83: 336–43. ——— Acute and chronic suppurative otitis media; including acute infection of the blood stream. Arch. Otolar., Chic., 1925, 2: 271; 379. ——— Systemic otogenous infections. N. York State J. M., 1926, 26: 849–51. ——— Acute systemic infections of otitic origin. Proc. Interst. Postgrad. M. Ass. N. America (1930) 1931, 6: 87–90.—**Kotyza, F.** Případ otogenní sepse vyhojený penicilinem. Cas. lék. česk., 1946–47, 85: 1819.—**Kovács, A.** Fatal case of otitic sepsis; bedside diagnosis of intracranial complications. Eye Ear &c. Month., 1932, 11: 276–8.—**Krepuska, G.** [et al.] [Otogenous pyemia] Magy. orv. nagyhét jegyzőkve, 1933, 3: 140–51.—**Lannois.** Le pioemie d'origine otitica. Gazz. osp., Milano, 1912, 33: 1397.—**Laurens, G.** Introduction au chapitre des septicémies auriculaires. Otorhinolar. internat., Lyon, 1929, 13: 353–63.—**Leidler, R.** Die otogene Sepsis im Kindesalter. Wien. klin. Wschr., 1933, 46: 1128–30.—**Leroux, L. H.** Formes cliniques de la septicémie auriculaire. Otorhinolar. internat., Lyon, 1929, 13: 447–54.—**Lillie, H. I.** Recent clinical observations on involvement of the blood stream in otitic disease. In: Contrib. Med. Sc. A. S. Warthin, Ann Arb., 1927, 613–23. Also Ann. Otol. Rhinol., 1928, 37: 388–97, 8 pl. ——— Otitis media and disease of the mastoid; early involvement of the blood stream. J. Am. M. Ass., 1930, 94: 531–4. ——— **& Williams, H. L., jr.** Acute fulminating septicemia associated with otitis. Surg. Clin. N. America, 1930, 10: 83–5.—**Martin, A., & Schwartz, W. A.** Septic thrombophlebitis of the lateral sinus following suppurative otitis media and

mastoiditis; report of four cases. Southwest. M., 1924, 8: 168–70. **Massier.** Un caso de piohacmia ótica sin trombo-flebitis del seno lateral y con abscesos metastáticos simples; curación. Bol. lar. otol., Madr., 1904, 4: 417.—**Matschnig, F.** Akute Otitis, Mastoiditis, akut-eitrige Tonsillitis, Sepsis. Mschr. Ohrenh., Wien, 1949, 83: 135–7.—**Mayer, F. J.** Zur Frage der Metastasenbildung als otogene Komplikation. Ibid., 1943, 77: 523–36.—**Michaescu, P.** [Otogenous primary septicopyemia] Cluj. med., 1933, 14: 630–3. Also Rev. san. mil., Bucur., 1933, 32: 497–501.—**Moerman, A. S.** [On otogenic septicemia in scarlet fever] J. ushn. nosov. gorlov. bolez., 1940, 17: 296–306.—**Nelissen, A. A. M.** [Case of pyemia in otitis media] Ned. tschr. geneesk., 1940, 84: 3338.—**Neumann, H.** Two cases of acute otitis media with septicaemia and thrombosis of the bulb. J. Lar. Otol., Lond., 1933, 48: 57.—**Ninger, F.** [Early form of labyrinthine meningitis and sepsis in acute otitis media] Cas. lék. česk., 1936, 75: 1270.—**Nisibata, K.** Zi-sei haiketu-syō. Tiryo, 1946, 28: 333–42.—**Novotny, O.** Septische Otitis, Thrombose im Sinus sagittalis superior nach Sinus-Jugularis-operation. Mschr. Ohrenh., Wien, 1948, 82: 327–9.—**Owen, R. D.** Observations on aural systemic infection. Lancet, Lond., 1927, 2: 1390.—**Pierre.** Deux cas de septicémie auriculaire. Ann. otolar., Par., 1943, 148.—**Poli, C.** Pioemia otitica con ascessi metastatici multipli. Boll. mal. orecchio, 1909, 27: 1–9.—**Porto, G.** Estudo clínico da infecção geral otógena. Arq. Inst. Penido Burnier, 1932, 1: 107–49.—**Rentschler, H. D.** Otitic blood stream infections. Bull. Guthrie Clin., 1934–35, 4: 10–4.—**Richards, L. G.** Otogenic complications; a résumé and discussion of the literature for 1940. Laryngoscope, 1941, 51: 821–67.—**Rosenblat, M. M.** Sluchai otogennogo sepsisa, oslozhnivshegosya kontralateralnym abscessom glaznichnoi kletchatki. Vest. otorinolar., 1948, No. 4, 65–8.—**Routenbourg, D. M., & Guindes, M. E.** La pathogénie de la septicémie amygdalienne et son diagnostic différentiel avec la septicémie d'origine otique. Rev. laryng., Bord., 1937, 58: 904–15.—**Scal, J. C.** Otitic pyemia without sinus thrombosis. Med. J. & Rec., 1925, 121: 211–3.—**Scott-Moncrieff, R., & MacLean, J. T.** Otitic septicaemia in a diabetic. Canad. M. Ass. J., 1938, 38: 380.—**Seydell, E. M.** Otitic pyemia without sinus thrombosis; report of an unusual case. Laryngoscope, 1930, 40: 99–102.—**Solovjev, L. M.** Redkoe projavlenie intrakranialnogo otogennogo sepsisa kak oslozhneniia ostrogo gnoinogo otita. Vest. otorinolar., 1949, 11: No. 6, 81.—**Stoessiger, H.** Haemolytic streptococcal septicaemia complicating mastoid disease; recovery. Proc. R. Soc. M., Lond., 1934, 27: 1327.—**Tarneaud, J., & Giroux, R.** Septico-pyohémie d'origine mastoïdienne; endocardite secondaire améliorée par l'amydalectomie. Otorhinolar. internat., Lyon, 1935, 19: 471–4.—**Velloso, A. L.** Complicações septicêmicas das otites; septicemia, tromboflebites. Impr. méd., Rio, 1942, 18: No. 345, 84–92.—**Waltner, J.** Spondylitis in the course of an otogenous sepsis. Acta otolar., Stockh., 1939, 27: 436.

—— Sepsis: Pathology.

Bretton, R. *Septicémies d'origine auriculaire; pathogénie, traitement. 109p. 24cm. Par., 1941.

Bonnet-Roy, F. Les métastases favorables dans la septico-pyohémie auriculaire. Prat. méd. fr., 1926, 5: 99–101.—**Elsermann, T.** Reine, hämatogene Sepsis mit metastatischem Erysipel bei aufgeflackerter, chronischer, mesotympanaler Mittelohrentzündung. Hals &c. Arzt, 1937, 28: 345–58.—**Goldman, J. L.** Blood cultures in cases of otitic sepsis. Arch. Otolar., Chic., 1939, 30: 516–24.—**Hannerz, L.** Knochen- und Gelenkmetastasen bei otogener Pyämie. Acta otolar., Stockh., 1944, 32: 112–9.—**Jiménez Encina, C.** Septicemias de origen ótico sin otorrea. Libro de actas Congr. españ. otorinolar., 1910, 3. Congr., 368–72.—**Kopetzky, S. J.** Studies in otitic sepsis. Ann. Otol. Rhinol., 1928, 37: 329–57.—**Letnik, S. F.** Ob otogennoi limfoseptikopiemii. Vest. otorinolar., 1947, No. 6, 14–21.—**Montgomery, D. C.** Bacteremia; complicating acute otitis media. N. Orleans M. & S. J., 1928–29, 81: 907–12.—**Popper, J.** Befunde am Lymphgefässystem bei otogener Sepsis. Mschr. Ohrenh., Wien, 1927, 61: 441–5. ——— Die Bedeutung des Lymphgefässystems bei otogener Sepsis. Ibid., 1946, 79: 80: 586–92.—**Uffenorde, W.** Pathogenese der otogenen Allgemeininfektion mit klinischen Folgerungen. Zschr. Hals &c. Heilk., 1935, 38: 76–87; Disc., 108–21.

—— Sepsis: Treatment.

Caverivière, L. *Contribution à l'étude de la thérapeutique des septicémies à streptocoques d'origine otitique; le sérum antistreptococcique de Vincent. 80p. 25cm. Montpel., 1936.

Reliquet, P. *Contribution à l'étude du traitement médical des septicémies à streptocoque d'origine auriculaire. 122p. 8° Par., 1933.

Bobone, T. Successi ed insuccessi nella cura della setticopiemia da tromboflebite otitica del seno sigmoide; considerazioni d'ordine dottrinale ed operatorio. Arch. ital. otol., 1926, 37: 119–25. ——— & **De Marchi, M. A.** Come fu curato e guarito un malato di setticcmia otitica. Boll. mal. orecchio, 1935, 53: 287–94.—**Bogomilsky, R. D.** Penicillin pri otogennoi septikopiemii u dctei. Vest. otorinolar., 1949, 11: No. 5, 38–42.—**Castex, M. R., Camaüer, A. F., & Battro, A.** Sobre un caso de septicemia de origen ótico por laberintitis aguda, curada con tratamiento médico-quirúrgico. Prensa méd. argent., 1927, 14: 161–7.—**Grove, W. E.** Symposium on care of the patient following operations for sepsis of otitic origin; nursing, feeding and the use of parenteral fluids. Tr. Am. Lar. Rhin. Otol. Soc., 1939, 45: 4–8. Also Arch. Otolar., Chic., 1939, 30: 872–5.—**Harpman, J. A.** Treatment of otogenic blood stream sepsis. J. Lar. Otol., Lond., 1948, 62: 11–21.—**Hibler, N.** Primäre septische Bulbusthrombose oder Körnersche Osteophlebitis bei otogener Sepsis im Kindesalter. HNO, Berl., 1947–48, 1: 61–9.—**Hinsberg, V.** Zur Technik der Jugularisausschaltung bei otitischer Pyämie. Arch. Ohr. &c. Heilk., 1929, 122: 130–2.—**Jacques, P., & Grimaud, R.** Septicémie otogène à streptocoques guérie par le sérum de Vincent. Rev. méd. est, 1932, 60: 833–6.—**Jobson, T. B.** Zinc ionisation in tympanic sepsis. J. Lar. Otol., Lond., 1926, 41: 383–9.—**Koch, F. X.** Beiträge zur operativen Therapie der otogenen Sepsis. Mschr. Ohrenh., Wien, 1939, 73: 421–35.—**Krepuska, S.** Die Bedeutung der Ausschaltung der Vena jugularis interna und des venösen Systems des Felsenbeines bei den septischen Ohrenerkrankungen im Kindesalter. Wien. med. Wschr., 1941, 91: 466–9.—**Lafite-Dupont & Souchet.** Otorrhée réchauffée, mastoïdite, thrombo-phlébite du sinus, méningite purulente, septicémie, guérison par la pénicilline. Ann. otolar., Par., 1944–45, 12: 532.—**Lemoine, J., & Bloch, A.** Otomastoïdite avec septicémie; guérison par le sérum auto-streptococcique. Ibid., 1933, 832–4.—**Lillie, H. I.** General sepsis of otitic origin; treatment by blood transfusion and germicidal dye. Arch. Otolar., Chic., 1928, 7: 30–40.—**Lynch, M. G.** [Immunotransfusion in otology. N. Orleans M. & S. J., 1938–39, 91: 89–92.—**Maduro, R.** Trois cas de septicémie d'origine otique guéris par transfusion de sang. Arch. internat. laryng., Par., 1926, 32: 782–95.—**Mauthner, O.** Akute Mittelohreiterung und Mastoiditis; otogene Allgemeininfektion post antrotomiam; Nephritis haemorrhagica; Pleuritis exsudativa; Punktion; Heilung. Mschr. Ohrenh., Wien, 1928, 62: 222. ——— Otitis media chron. dextra; Mastoiditis; Sinus- und Bulbusthrombose; Meningitis circumscripta; otogene Allgemeininfektion, Jugularisunterbindung, Thrombusausräumung; protrahierter Verlauf; Heilung. Ibid., 223.—**Maxwell, J. H.** The management of the septic patient with otitis media. J. Am. M. Ass., 1938, 110: 1536–8.—**Orhan Mahir.** Septico-pyohémie otogène; opération (mastoïdectomie, ligature de la jugulaire et curetage du sinus) injections de sang activé; guérison. Ann. otolar., Par., 1933, 459–61.—**Podesta, R., & Tato, J. M.** Sepsis otógena por tromboflebitis sinusobulbar; operación de Grünert-Tandler. Rev. As. méd. argent., 1934, 48: 654–9.—**Reverchon.** L'immunotransfusion dans le traitement de la septicémie d'origine auriculaire. J. méd. Paris, 1932, 52: 937.—**Rothschild, M. A.** Symposium on otolaryngological problems in sepsis; summation of treatment of sepsis from the medical standpoint. Laryngoscope, 1934, 44: 465–9.—**Rubaltelli, E.** Orientamenti terapeutici pratici nelle setticopioemie otogene con particolare riguardo all'alcool terapia endovenosa ed alle trasfusioni di sangue puro. Otorinolar. ital., 1937, 7: 584–600.—**Sutherland, J. M.** Transfusions of blood in the care of patients after operations for otitic sepsis. Arch. Otolar., Chic., 1939, 30: 876–900.—**Terracol, Drouot & Joyeux.** Septico-pyohémie à streptocoque hémolytique d'origine otogène; traitement par le sérum de Vincent; guérison. Arch. Soc. sc. méd. biol. Montpellier, 1933, 14: 362–7.—**Terracol, Galavielle, J., & Cadilhac.** Septicémie à streptocoques hémolytiques d'origine otique; traitement par le sérum de Vincent; guérison. Ibid., 417–20.—**Vasiliu, D., & Colitza, M.** [Treatment of septicemia of otic origin] Spitalul, 1934, 54: 209–11.—**Wessely, E.** Otogene Sepsis, Bluttransfusion. Mschr. Ohrenh., Wien, 1940, 74: 191–5.

—— Serology.

Winblad, S. The importance of the antistreptolysin titer in oto-laryngological practice. Acta otolar., Stockh., 1948, 36: 541.

—— serous.

See also subdivision (secretory)

Carpenter, R. C. Serous otitis media. J. Iowa M. Soc., 1949, 39: 57–61.—**Tobey, H. G.** The role of virus infections in the etiology of serous otitis media. Laryngoscope, 1949, 59: 35–47.

—— Sequelae.

See also other subdivisions (Complications; Deafness; Hearing) also such headings as **Headache; Ménière syndrome; Trigeminus neuralgia.**

Aubin & Clerc. Traitement des séquelles douloureuses crânio-faciales des oto-mastoïdites par la section du contingent ophtalmique du trijumeau. Rev. otoneur., Par., 1948, 20: 351–60. ——— Céphalée post-otitique, section du grand nerf pétreux superficiel; guérison. Ann. otolar., Par., 1949, 66: 579. ——— & **Hiverlet, E.** Traitement chirurgical des céphalalgies post-otitiques; section du contingent ophtalmique du trijumeau et section du grand nerf pétreux superficiel. Ibid., 1948, 65: 737–48.—**Aubry, Ombrédanne & Bourgeois, R.** Syndrome de Ménière post-otitique guéri, après échec de la trépanation labyrinthique, par la section du VIII. Ibid.,

1936, 719–25.—**Biancalana, L.** Stellectomia nelle sindromi di Ménière postotitiche. Boll. Soc. piemont. chir., 1939, **9**: 183–7.—**Hansen, B. R.** The sequelae of otitis in children. Acta otolar., Helsin., 1944, Suppl. 51, 201–10.—**Lillie, H. I.** The effect of otitis media on patients previously operated on for mastoiditis. Tr. Am. Lar. Rhin. Otol. Soc., 1928, **34**: 149. Also Arch. Otolar., Chic., 1928, **8**: 183.—**Tuiki, Y.** Ueber die postotitischen Erkrankung. Zschr. Otorhinolar., Tokyo, 1938, **44**: 138.

—— Sinus thrombosis.

See also subdivision (Cardiovascular system) also **Dura mater,** Sinus: Thrombosis; **Jugular vein,** Thrombosis.

Gadolin, H. R. *Klinische Studien über die durch akute Mittelohrentzündung verursachte Sinusthrombose. 300p. 8° Helsin., 1934.

Also Acta Soc. med. Duodecim, 1934–35, **20**: Ser. B, fasc. 2–3, No. 6.

Helf, T. *Urobilinogennachweis im Harn (Ehrlichsche Aldehydreaktion) als Hilfsmittel bei Erkennung von Hirnblutleitererkrankungen im Verlauf eitriger Mittelohrentzündung. 20p. 8° Münch., 1926.

Lutz, F. L. *Zur Frage der Jugularisunterbindung bei Sinusphlebitis infolge chronischer Otitis media purulenta. 54p. 8° Erlangen, 1919.

Reck, H. v. *Metastase im Bulbus oculi bei Sinusthrombose im Anschluss an akute Mittelohreiterung. 23p. 8° Münch., 1926.

Alexander, G. Otitische Phlebothrombose des Sinus transversus und sigmoideus, des Bulbus und der Vena jugularis an einem fünfjährigen Knaben bei akuter Otitis. Wien. klin. Wschr., 1927, **40**: 705–7.—**Bourgeois, H.** Digression sur le traitement de la thrombo-phlébite otitique du sinus latéral. Otorhinolar. internat., Lyon, 1944, **28**: 286–8.—**Brindel.** Thrombo-phlébite du sinus latéral et du golfe de la jugulaire au cours d'une otite moyenne aiguë suppurée droite chez une fillette de 12 ans. Gaz. sc. méd. Bordeaux, 1924, **45**: 791–3. Also Bull. Soc. méd. chir. Bordeaux (1924) 1925, 382–9.—**Brunner, H.** Beiträge zur Kenntnis der otogenen Cavernosusphlebitis. Mschr. Ohrenh., Wien, 1926, **60**: 2–41.—**Buchband, M.** Zur Pathologie und Klinik der fieberlosen Sinusthrombosen bei akuter Otitis. Ibid., 1937, **71**: 977–9; Disc., 980.—**Bung, G.** Bericht über die von 1903 bis 1929 an der Universitätsklinik beziehungsweise Poliklinik zu Breslau beobachteten 175 Fälle von Sinusphlebitis. Zschr. Hals &c. Heilk., 1929, **23**: 509–37.—**Chatellier.** Au sujet des infections sinuso-jugulaires dans les oto-mastoïdites. J. méd. Paris, 1926, **45**: 1034–6.—**Chesnokova, K. S.** [Thrombosis of the sinus in non-perforating otitis] In: Jubil. otorinolar. sborn. posv. A. N. Zimin (Novosibirsk. Inst. usoversh. vrachei) Novosibirsk, 1933, 166–8.—**Continiu, A., & Bernea, L.** Otite moyenne suppurée chronique droite; mastoïdite compliquée; trombophlébite du sinus caverneux; abcès orbitaires; opérations; guérison. Ann. mal. oreille, 1927, **46**: 693–5.—**Crooks, J.** Lateral sinus thrombosis due to acute mastoiditis; recovery with penicillin. Proc. R. Soc. M., Lond., 1945–46, **39**: 588.—**Dajani, H. W.** Intracranial complications of middle ear inflammations, jugular-bulbo-sinus thrombosis (a new treatment) J. Palestine Arab M. Ass., 1945–46, **1**: 84–6.—**Didier, G.** Thrombo-phlébite des sinus chez un enfant consécutive à une otite moyenne. J. sc. méd. Lille, 1925, **43**: pt 2, 449–52.—**Druss, J. G.** Labyrinthitis and sinus thrombosis complicating suppuration of the middle ear. Arch. Otolar., Chic., 1934, **19**: 671–83.—**Dundas-Grant, J.** Case of acute suppuration of the middle-ear with comparative absence of aural symptoms; thrombophlebitis of lateral sinus; operation; recovery. Proc. R. Soc. M., Lond., 1927–28, **21**: Sect. Otol., 41.—**Errecart, P. L.** A propósito de dos casos de tromboflebitis del seno lateral por otitis media aguda. Rev. As. méd. argent., 1924, **37**: Soc. otorrinolar., 15–22.—**Falbe-Hansen, I.** Et tilfaeldc af otitis media supp. ac. med sent optraedendc perisinuøs absces og thrombosis sin. sigm. Nord. med., 1945, 28: 2220. Also Acta otolar., Stockh., 1945, **33**: 159.—**Fallas, A.** Otite purulente chronique; thrombose sinusienne; guérison sans ligature. Bull. Soc. belge otol., 1908, **14**: 86.—**Frühwald, H. E.** Beitrag zur Pathologie und Klinik der otogenen Sinusphlebitis. Acta otolar., Stockh., 1935, **21**: 394–415.—**Galcsik, B.** [Spontaneous rupture of dural sinuses from infective otitis] Orv. hetil., 1938, **82**: 1238–40.—**Gardner, W. J.** Otitic sinus thrombosis causing intracranial hypertension. Arch. Otolar., Chic., 1939, **30**: 253–68.—**Guillermin.** Thrombophlébite suppurée sinuso-jugulaire; arthrite suppurée sterno-claviculaire du même côté; ablation totale de la jugulaire après résection de l'extrémité interne de la clavicule; sérum de Vincent. Otorhinolar. internat., Lyon, 1935, **19**: 747.—**Haardt, W.** Spontanrupturen des Sinus sigmoideus bei entzündlichen Erkrankungen des Mittelohres. Klin. Med., Wien, 1946, **1**: 446–51.—**Halphen, E.** Thrombo-phlébite du sinus caverneux consécutive à une otorrhée chronique réchauffée. Arch. internat. laryng., Par., 1924, **30**: 167–72.—**Hofmann, L.** Abduzensparese bei Sinusthrombose infolge Scharlachmastoiditis. Mschr. Ohrenh., Wien, 1937, **71**: 1256–8.—**Hutchinson, K. O.** Acute exacerbation of chronic suppurative otitis media with thrombosis of the lateral sinus in a child, treated by mastoidectomy, ligation of the internal jugular vein and sulfapyridine. Arch. Otolar., Chic., 1942, **35**: 993.—**Jiménez Andrades, D.** Tromboflebitis fría de senos cavernosos de origcn ótico, en el curso de una otomastoiditis aguda, curada clinicamente con sulfamidas. Medicamenta, Madr., 1948, **6**: pt 2, 45.—**Klestadt, W.** Zerebrale Symptomenkomplexe bei otogener Sinusphlebitis. Zschr. Laryng., 1924, **13**: 83–105.—**Klicpera, L.** Sinusthrombosen bei chronischer Mittelohrciterung mit zentraler Perforation. Mschr. Ohrenh., Wien, 1937, **71**: 979; Disc., 980; 1321.—**Koch, F. X.** Beiträge zur Jugularisunterbindung bei Sinuserkrankungen am Mittelohr. Ibid., 1938, **72**: 672–81.—**Kopetzky, S. J.** Acute and chronic otitis media and sinus thrombosis. Arch. Otolar., Chic., 1926, **4**: 241; passim. ——— Acute and chronic otitis media, sinus thrombosis and petrosal pyramid suppuration. Ibid., 1933, **18**: 344; 1934, **20**: 396. ——— Purulent otitis media, sinus thrombosis and suppuration of the petrous pyramid; acute and chronic forms. Ibid., 1938, **28**: 626–48.—**Liébault, G.** La méthode de Murphy (goutte à goutte intra-rectal) dans le traitement des phlébites du sinus latéral. Rev. laryng., Par., 1917, **38**: 537–46.—**Lindsay, J. R.** Thrombosis of intracranial venous sinuses in middle ear suppuration. Illinois M. J., 1942, **81**: 467–74.—**López Andrade, I., & Nacif, V.** Otitis crónica agudizada; absceso perisinusal con trombosis parietal de seno lateral; operación; curación. Rev. As. méd. argent., 1940, **54**: 40.—**Mauthner, O.** Otitis media acuta, sin.; Mastoiditis, Perisinusitis et Thrombosis; Streptococcus haemolyticus und Bact. coli im perisinuösen Eiter; Jugularisunterbindung, Thrombusausräumung; postoperativer zerebraler Komplex; Heilung. Mschr. Ohrenh., Wien, 1928, **62**: 221.—**Mayoux, R.** L'épreuve de Queckenstedt en otologie; causes d'erreur; interprétation des résultats. Rev. prat. mal. pays chauds, 1929, **9**: 376–81.—**Neubauer, A.** Nach akuter Mittelohrentzündung aufgetretene Sinusthrombose mit Aphasie und Hemiplegie. Jahrb. Kinderh., 1924, 3. F., **54**: 361–4.—**Novotny, O.** Mastoiditis, Sinusthrombose, perilabyrinthäre Eiterung mit meningealer Reizung. Mschr. Ohrenh., Wien, 1948, **82**: 186. ——— Chronische Otitis, Sinusthrombose, vorgetäuschter Kleinhirnabszess. Ibid., 1949, **83**: 215.—**Rinaldi, R.** Trombosi del seno sagittale da otomastoidite. Ann. laring., Tor., 1926, **27**: 28–43.—**Rosenwasser, H.** Unusually early pleuropulmonary suppuration in sinus thrombosis; a case report. Laryngoscope, 1936, **46**: 519–22.—**Simpson, W. L.** Acute suppurative otitis media with lateral sinus thrombosis and suppuration. Memphis M. J., 1942, **17**: 84.—**Tvermoes, V.** [Case of acute otitis with thrombosis of the cavernous sinus] Hospitalstidende, 1934, **77**: Dansk. otolar. selsk. forh., 74–7.

—— Statistics.

See also other subdivisions (Geography; infantile: Statistics)

Plaz, L. G. v. [née Dessloch] *Entzündliche Knochenerkrankungen; auf Grund der Beobachtungen der Chirurgischen Universitäts-Klinik München von 1928–36, Geheimrat E. Lexer. 51p. 21cm. Münch., 1941.

Stern, M. *Die Otitis media chronica in den Jahren 1911–21 an der Universitäts-Ohrenklinik Frankfurt a. M. [Frankfurt] p.161–83. 8° Münch., 1926.

Also Zschr. Hals &c. Heilk., 1926, **16**:

Hilton, G. E. M., & Stuart, E. A. Review of cases of acute suppurative otitis media at the Royal Victoria Hospital and the Montreal General Hospital in 1940, with comparative analyses for 1937, 1938, and 1939. Arch. Otolar., Chic., 1942, **36**: 443.—**Kertész, E., & Kočka, Z.** [Statistical review on otitis media and its complications, observed during the last 10 years (1923–32) at the Otolaryngological Clinic of Charles IV of the University of Prague] Cas. lék. česk., 1935, **74**: 1192–202.—**Kopecký, M.** [Statistical data on acute inflammation of the middle ear] Ibid., 1941, **80**: 272–6.—**Larroudé, C.** Quatrocentos setenta casos de otites médias. Amatus Lusitanus, Lisb., 1946, **5**: 288.—**Page, J. R.** Report of acute infections of middle ear and mastoid process at Manhattan Eye, Ear and Throat Hospital during 1934; their prevalence and virulence. Laryngoscope, St. Louis, 1935, **45**: 839–43.—**Smith, D. T.** Causes and treatment of otitis media; observations on 205 cases occurring in 613 consecutive hospital admissions. Am. J. Dis. Child., 1924, **28**: 1–15.—**Sovák, M.** [Course of inflammation of the middle ear according to observations by Prof. J. Brdlík in the 1st Children's Ward for the period of one year] Cas. lék. česk., 1941, **80**: 333; 370.

—— Streptococcus infection.

See also other subdivisions (Enterococcus; Erysipelas; Meningitis) also **Streptococcosis.**

Alonso, J. M. Complicaciones de las otitis a estreptococo hemolítico. An. Fac. med., Montev., 1930, **15**: 365–76. Also

Rev. laryng., Par., 1930, **51**: 157–63.—**Bareichnikov, J.** Les oto-mastoïdites du streptocoque hémolytique. Ann. otolar., Par., 1932, 46–51.—**Brown, E. E.** Streptococcic dissociation in otitis and mastoiditis. Northwest M., 1945, **44**: 311–3.—**Converse, J. M.** Recurrence of otitic infections due to the betahemolytic streptococcus following inadequate sulfanilamide therapy. Tr. Am. M. Ass., Sect. Lar. Otol., 1939, 78–92.—**Denegri, J.** Un caso de otitis media supurada crónica recalentada, complicada de mastoiditis, de septicemia otogena, de laberintitis y meningitis estreptocócicas, seguida de curación. Rev. méd. peru., 1933, 5: 1026–36, ch.—**Eiman, J.** Otitis media due to hemolytic streptococcus followed by meningitis. Arch. Otolar., Chic., 1942, **36**: 964.—**Flake, C. G., & Carey, B. W.,** jr. Para-aminobenzenesulfonamide and its derivatives in the treatment of beta hemolytic streptococcus infections of the middle ear and mastoid; report of six cases in children. N. England J. M., 1937, **217**: 1033–8.—**Hennebert, C.** Septicopyohémie à streptocoque hémolytique par thrombose suppurée du sinus latéral au cours d'une otite purulente chronique; opération; guérison. Bull. Soc. belge otol., 1934, 299–303.—**Ingraham, N. R.** Streptococcic infection of the ears. Arch. Derm. Syph., Chic., 1940, **42**: 738.—**Lupton, I. M.** Clinical observations in the treatment of acute streptococcic otitis media during sulfanilamide therapy. Tr. Pacific Coast Oto-Ophth. Soc., 1939, 27. meet., 107–16.—**Mathieu, Gilbert & Tanovarn, de.** Otites à streptocoques; septicémie; sérum de Vincent. Ann. otolar., Par., 1936, 921–3. Also Arch. méd. pharm. nav., 1936, **126**: 382–93.—**Mollison, W. M.** Acute streptococcal infections of the middle ear. Brit. M. J., 1936, **2**: 615–7. Also Lancet, Lond., 1936, **2**: 274–6.—**Pilot, I., Lampert, M., & Davis, D. J.** Otitis media and mastoiditis due to Streptococcus epidemicus. J. Infect. Dis., 1931, **48**: 498–500.—**Vitale, S.** Ricerche sperimentali sull'autovaccinoprofilassi, l'autovaccinoterapia, la proteinoterapia aspecifica nelle otiti medie di natura streptococcica e sulla vaccinazione locale nelle riniti purulente. Gior. med. mil., 1935, **83**: 749–70.—**Wirth, E.** Die Virulenz hämolysierender Streptokokken im Verlaufe von akuten Otitiden und von akuten Anginen. Beitr. Anat. Ohr., 1932–33, **30**: 327–40.

—— subacute catarrhal.

Petzinger, K. J. S. v. *Ueber Wesen und Bedeutung der subakuten Mittelohrentzündung. 21p. 8° Königsb., 1928.

Hlaváček, V. [Recovery in a case of subacute otitis with localized cerebral symptoms] Cas. lék. česk., 1930, **69**: 1041–5.—**Hopmann, E.** Subakute einfache Mittelohrentzündung, Labyrinthentzündung, Sequester des Promontoriums, Heilung. Zschr. Laryng., 1926–27, **15**: 165.—**Krassnig, M.** Beitrag zur Therapie subakut verlaufender Mittelohrentzündungen. Mschr. Ohrenh., Wien, 1931, **65**: 478–80.—**Robison, J. M.** Subacute catarrhal otitis media and mastoiditis with effusion; a symptom and a clinical entity. South. M. J., 1942, **35**: 815–25.—**Yates, A. L.** Subacute otitis media. Brit. M. J., 1931, **2**: 647–50.

—— sclerosing.

See also other subdivisions (adhesive; dry; hyperplastic) also **Middle ear,** Osteoma [incl. calcification]

Malherbe, A. Technique de l'électroïonisation transtympanique dans l'otite ostéo-spongieuse. Bull. méd., Par., 1928, 42: 1193–5.—**Meyer, M.** Ueber Verkalkung und Knochenbildung im Mittelohr bei chronischer Mittelohrentzündung. Zschr. Hals &c. Heilk., 1926, **15**: 471.—**Vila i Adal, L.** Otitis esclerosants. Ann. med., Barcel., 1933, 27: 165–7.

—— suppurative.

See also other subdivisions (cholesteatomatous; chronic; Empyema; Otorrhea)

Bolotte, M. L'otite moyenne suppurée chronique. p. 65–129. 8° Par., 1928.

In: Arch. méd. pharm. mil., 1928, **88**:

Bozer, H. E. *Chronic suppurative otitis media [Minnesota] 18 l. 27½cm. Rochester, 1922.

Also Ann. Otol. Rhinol., 1923, **32**: 277–84.

Onillon, A. *De l'automatisme ambulatoire dans l'otite chronique moyenne suppurée. 86p. 8° Par., 1926.

Robledo Haro, J. de J. *Estado actual en los estudios de las otitis medias crónicas supuradas. 121p. 22½cm. Méx., 1949.

Amarante, R. Otite media supurada cronica. Hora med., Rio, 1940, No. 29, 19–23.—**Andrews, A. H.** Otitis media purulenta chronica. Cyclop. Med. (Piersol-Bortz) Phila., 1939, 5: 330–4, pl.—**Atkins, W. L.** Chronic suppurative otitis media. Tristate M. J., 1932, 4: 927–9.—**Biehl, K.** Die eitrige Mittelohrentzündung. Wien. med. Wschr., 1926, **76**: 283–90.—**Bishop, F. J.** Fundamentals of otitic suppuration. Med. Soc. Rep., Scranton, 1941, 35: No. 8, 14.—**Boies, L. R.** Chronic suppurative otitis media. Ann. Otol. Rhinol., 1945, **54**: 265–82.—**Brown, L. G.** Chronic suppurative otitis media. Brit. M. J., 1935, **2**: 746. Also Lancet, Lond., 1935, **2**: 1025.—**Buzolanu, G.** [Otitis media suppurativa acuta et chronica in medical practice] Cluj. med., 1935, **16**: 511–8.—**Cheridjian.** Otite purulente chronique. Rev. méd. Suisse rom., 1938, **58**: 608.—**Clay, J. V. F.** The chronic suppurating ear. Hahnemann. Month., 1925, **60**: 553–7.—**Cullom, M. M.** Chronic purulent otitis media. Arch. Otolar., Chic., 1947, **46**: 137–52. Also Acta otolar., Stockh., 1948, **36**: 422–8.—**Culpin, E.** Chronic middle ear suppuration. Brit. M. J., 1947, **1**: 312.—**D'Alò Salerno, E.** A infecção no ouvido médio. Rev. brasil. otorinolar., 1945, **13**: 33–48.—**Dean, L. W.,** jr. Chronic purulent otitis media and chronic mastoiditis. In: Modern Med Ther. (Barr, D. P.) Balt., 1940, **3**: 3542–4.—**Downey, J. W., Jr.** Chronic suppurative otitis media (observations regarding its prevention; the examination and treatment) West Virginia M. J., 1934, **30**: 97–106.—**Errecart, P. L.** Supuración de oído medio. Día méd., B. Air., 1931, 4: 53.—**Foster, W. J.** Chronic suppuration of the middle ear. J. Iowa M. Soc., 1932, **22**: 167–70.—**Gallaher, C.** Otitis media, chronic, suppurative. Bull. Pottawatomie Co. M. Soc., 1947, **10**: No. 2, 6–8.—**Ganzel, A. W.** Chronic suppurative otitis media. Eclect. M. J., 1930, **90**: 746–52.—**Gardiner, C. A.** A clinical report of two cases of suppuration of the middle ear. Tr. Louisiana M. Soc., 1902, 23. sess., 345.—**Hayes, G. H.** Chronic aural suppuration. J. R. Nav. M. Serv., 1934, **20**: 379.—**Hitschler, W. J., & Vastine, M. F.** A study of chronic suppurative otitis media at the Pennsylvania School for the Deaf. Arch. Otolar., Chic., 1946, **43**: 226–42.—**Hompes, J. J.** Chronic purulent otitis media. Nebraska M. J., 1941, **26**: 398–401.—**Jenrich.** Ueber chronische Mittelohreiterungen. Deut. med. Wschr., 1943, **69**: 225–7.—**Large, S. H.** Foreign clinics [chronic suppurative otitis media] Tr. Am. Acad. Ophth. Otolar., 1929, **34**: 352.—**Lawson, L. J.** Chronic suppurative otitis media. Arch. Otolar., Chic., 1943, **38**: 550–60.—**Mercaldo, H.** O problema das otites purulentas. Fol. méd., Rio, 1930, **11**: 121–4.—**Morrison, W.** Present day conceptions of chronic suppurative otitis media. N. York Physician, 1941, **16**: No. 5, 24–7. ——— A modern conception of the pathology, diagnosis and treatment of chronic suppurative otitis media. Ann. Otol. Rhinol., 1942, **51**: 5–21.—**Nothenberg, O. J.** Chronic suppurative otitis media. Illinois M. J., 1926, **50**: 337–41.—**Palit, A. N.** Suppuration of the middle ear; its causes, symptoms, diagnosis and treatment. Ind. M. Gaz., Calc., 1927, **62**: 19–23.—**Peters, A. L.** Suppurative otitis media. N. Orleans M. & S. J., 1934, 87: 90–2.—**Poos, E. E.** Chronic suppurations of the middle ear. Eye Ear &c. Month., 1934, **13**: 103–5.—**Rambo, G. S.** Chronic suppurative otitis media. Clin. Osteopath., 1940, **36**: 322–33.—**Shambaugh, G. E.** A discussion of some of the clinical problems of chronic suppurative otitis media. Laryngoscope, 1925, **35**: 593–9. ——— The clinical problems of chronic suppurative otitis media. Tr. Am. Otol. Soc., 1930, **20**: 132–9. Also Arch. Otolar., Chic., 1930, **12**: 753–9.—**Shambaugh, G. E., jr.** Chronic suppurative otitis media. Med. Rec., Houston, 1938, **32**: 623–7.—**Simpson, W. L.** Suppurative otitis media. Ibid., 1941, **35**: 896–905.—**Smith, J. A.** Chronic purulent otitis media. J. M. Ass. Georgia, 1932, **21**: 190–3.—**Stark, W. B.** Clinical classification of chronic suppurative diseases of the middle ear. Minnesota M., 1933, **16**: 609.—**Straus, G. D.** Some practical aspects of chronic suppurative otitis media. Wisconsin M. J., 1942, **41**: 214–6.—**Tobey, G. L., jr.** Chronic suppurative otitis media. Tr. Am. Otol. Soc., 1930, **20**: 140–9.—**Voorhees, I. W.** Chronic purulent otitis media. Med. World, N. Y., 1947, **65**: 390.—**Welty, C. F.** Chronic suppuration of the middle ear. Tr. Pacific Coast Oto-Ophth. Soc., 1924, **12**: 101–7.—**Wieder, H. S.** Suppurative otitis media and mastoiditis; instructive cases. Med. Times, N. Y., 1930, **58**: 134–6.—**Williams, H. L.** Chronic suppurative otitis media. Minnesota M., 1937, **20**: 85–90. Also Pennsylvania M. J., 1944–45, **48**: 1159–61.—**Young, S.** Some aspects of otitis media suppurativa. Glasgow M. J., 1925, **103**: 293–301.

—— suppurative, acute.

Andrews, A. H. Suppurative otitis media; otitis media purulenta acuta. Cyclop. Med. (Piersol-Bortz) Phila., 1939, 5: 325–30, pl.—**Asherson, N.** Acute suppurative otitis media. Clin. J., Lond., 1932, **61**: 500; 509; 519.—**Connor, C. E.** Acute suppurative otitis media, a reconsideration. Minnesota M., 1943, **26**: 257–63.—**Dempsey, P.** Acute otitis media suppurativa. Irish J. M. Sc., 1927, 6. ser., 585.—**Fawcett, I.** Early diagnosis and treatment of acute purulent otitis media. West Virginia M. J., 1926, **21**: 405.—**Glatt, M. A.** Acute suppurative otitis media and mastoiditis. Illinois M. J., 1939, **76**: 254–8.—**Howe, A. W.** Acute suppurative otitis media. Northwest M., 1926, **25**: 33–5.—**Loper, A. N.** Acute purulent inflammation of the middle ear. Proc. Nebraska M. Soc., 1897, **29**: 352–6.—**Mackenzie, A. V.** Acute middle ear suppuration. Med. World, 1939, **57**: 241–4.—**Maxwell, J. H., & Brownell, D. H.** Acute suppurative otitis media; a statistical study of 1,514 cases, of which 896 were surgical. Ann. Otol. Rhinol., 1940, **49**: 973–90.—**Olaison, F.** [Seasonal variations in the frequency of acute, suppurative otitis] Nord. med., 1939, **3**: 2873.—**Oppegaard, C. L.** Acute suppurative otitis media and mastoiditis. Minnesota M., 1937, **20**: 576–9.—**Parada, M.** Otitis media supurativa aguda parcial y otitis media supurativa aguda difusa, tabicada secundariamente. Rev. chilena otorinolar., 1936–37, 1: 26–8.—**Patterson, N.** Acute suppurative

otitis media and mastoiditis; some remarks on diagnosis and treatment. Practitioner, Lond., 1935, **135**: 619–28.—**Roberts, E. R.** Observations in acute suppurative otitis media. Laryngoscope, 1931, **41**: 7–10.—**Schmidt, V.** Nogle ord om otitis media suppurativa acuta i praksis. Mskr. prakt. laegegern., Kbh., 1931, **9**: 1–17. Also Nord. med. tskr., 1931, **3**: 497–504.—**Smith, B. B., & Coon, E. H.** A résumé of our cases of acute purulent otitis media; for the first 6 months of 1931. Med. Times, N. Y., 1932, **60**: 107.—**Smith, L. S.** Otitis media purulenta acuta. Med. J. & Rec., 1926, **123**: 148–50.—**Stuart, E. A.** Acute suppurative otitis media; a review of cases encountered during a 5 year period. Arch. Otolar., Chic., 1941, **33**: 734–48.—**Szmurlo, J.** Contribution à la clinique de l'otite moyenne aiguë purulente des adultes. Fol. otolar. orient., 1936, **3**: 19–27.—**Wasowski, T.** Quelques remarques sur les méthodes auxillaires d'examen dans l'otite aiguë suppurée. Ann. otolar., Par., 1937, 690–2.—**Weaver, D. W.** Acute purulent otitis media. Eye Ear &c. Month., 1933, **12**: 33.

—— suppurative: Bacteriology.

See under subdivision Bacteriology.

—— suppurative: Complication.

See also other subdivisions (Complications, etc.) also **Middle ear,** Myiasis; **Middle-ear drumhead,** Rupture.

Tang, F. J. J. *Chronische Mittelohreiterung und Hirntumor [Berlin] 45p. 8° Charlottenb., 1930.

Biehl, K. Woran erkennt man Komplikationen nach eitriger Mittelohrerkrankung? In: Wien. med. Seminar, Wien, 1927, 353–6.—**Bondy, G.** Die Gefahren der Stapesluxation bei bestehender Mittelohreiterung. Mschr. Ohrenh., Wien, 1924, **58**: 557–63.—**Brinck.** Hipertensión intracraneana en un sifilítico con otitis crónica supurada. Rev. méd. Chile, 1926, **54**: 555.—**Brunzlow.** Ein ungewöhnlicher Fall von Kuppelraumeiterung. Hals &c. Arzt, 1939, **30**: 149.—**Burri, C.** Di alcune complicanze dell'otite media purulenta. Riv. chir., Como, 1925, **4**: 97–109.—**Cahill, H. P., Fred, G. B., & Drooker, J. C.** Chronic suppurative otitis media on the right with complications. Arch. Otolar., Chic., 1940, **31**: 555.—**D'Agostino, N.** Le otiti purulente nei soggetti con tubercolosi polmonare. Gior. tisiol., 1938, **11**: 117–24.—**Fonvielle.** Un cas d'hémorragie du sinus latéral par la caisse et le conduit auditif externe au cours d'une otite moyenne chronique suppurée. Arch. internat. laryng., Par., 1929, **35**: 313–5.—**Gerrie, J.** Acute exacerbation, chronic suppurative otitis media, left, with temporo-sphenoidal abscess. J. Lar. Otol., Lond., 1948, **62**: 704.—**Gooch, J. O., Simonton, K. M.** Diagnosis of complications of chronic suppurative otitis media; report of case. Proc. Mayo Clin., 1947, **22**: 519–24.—**Hofer, G., & Motloch, T.** Ueber otogene Komplikationen bei Schleimhauteiterungen des Mittelohres. Oesterr. Arzt, 1936, **3**: 252.—**Hubby, L. M.** A brief consideration of complications of purulent otitis. Med. J. & Rec., 1932, **136**: 330–3.—**Jiménez Andrades, D.** Profilaxis de las complicaciones endocraneales de las otitis medias purulentas crónicas. Med. & cir. guerra, 1946, **8**: No. 14, 37.—**Joubert, L. de G.** Les dangers de l'otite moyenne suppurée chronique, au point de vue fonctionnel et vital. J. Hôtel Dieu Montréal, 1938, **7**: 32; 129.—**Kopetzky, S. J.** Acute and chronic suppurative otitis media including acute infection of the blood stream. Arch. Otolar., Chic., 1925, **2**: 271–81.—**Lederer, F. L.** The suppurating ear with particular reference to the early evaluation of otogenic complications. Pract. otorhinolar., Basel, 1942, **4**: 121–32.—**MacCready, P. B.** Complications of suppurative otitis media, systemic and intracranial. In: Pract. Libr. M. & S., N. Y., 1937, **11**: 516–42.—**Martin, R. C., Danno, D., & Skelly, J. F.** Suppurative otitis media and its complications. Arch. Otolar., Chic., 1943, **37**: 727–36.—**Richter, H.** Beiträge zur pathologischen Anatomie des Ohres; operative Luxation des ankylosierten Stapes bei chronischer Mittelohreiterung mit entzündlichem Granulom und doppelseitiger Otosklerose; labyrinthogene Meningitis. Arch. Ohr. &c. Heilk., 1935, **139**: 181–8.—**Sargnon & Bruas.** Otite suppurée ancienne; cure radicale; dégénérescence néoplasique épithéliomateuse. Ann. otolar., Par., 1938, 655–8. Also Lyon méd., 1938, **161**: 486–90.—**Smith, R. C.** Complications of suppurative inflammation of the middle ear. Wisconsin M. J., 1925–26, **24**: 125–9.—**Stewart, J. P.** Chronic suppurative disease of the middle ear and its complications. Med. Press & Circ., Dubl., 1935, **191**: 454–7. ——— & **Fraser, J. S.** The mastoid, labyrinthine, and intracranial complications of chronic suppurative otitis media. J. Lar. Otol., Lond., 1930, **45**: 111; passim.—**Unterberger, S.** Acht Tage alte Otitis media pur. mit septischen Temperaturen; doppelseitige Mastoidektomie, trotzdem Weiterbestehen des septischen Krankheitsbildes, Heilung nach Bluttransfusion. Mschr. Ohrenh., Wien, 1939, **73**: 689.—**Usset, A. L.** Chronic purulent otitis media and its complications. Laryngoscope, 1927, **37**: 441–3.—**Vila-Abadal, L.** Sintomatología sintética de las complicaciones graves en la otitis media supurada. Ars. medica, Barcel., 1928, **4**: 26.

—— suppurative: Diagnosis.

Gaston, A. La ponction occipito-atloïdienne dans les complications de l'otite moyenne suppurée. Arch. internat. laryn.,. Par., 1929, **35**: 385–401.—**Mackenzie, G. W.** The diagnosis of chronic middle ear suppuration. J. Indiana M. Ass., 1926, **19**: 1–5.—**Quix, F. H.** [Case of chronic suppurative otitis with symptoms of a tumor of the auditory nerve] Ned. tschr. geneesk., 1927, **71**: pt 2, 1695–7.—**Unterberger, S.** Diagnostik und Behandlung der akuten Mittelohreiterung. Wien. klin. Wschr., 1944, **57**: 198–201.—**Walthall, T. J.** Differential diagnosis in operative and nonoperative purulent otitis media chronic. Texas J. M., 1926–27, **22**: 13–6.—**Wasowski, T.** Osservazioni sui metodi ausiliari d'indagine nell'otite media suppurata. Rinasc. med., 1937, **14**: 7.

—— suppurative: Etiology.

See also subdivision (traumatic) also **Middle ear,** Foreign bodies.

Baer, M. Chronische Mittelohreiterung und Vitamin C. Mschr. Ohrenh., Wien, 1939, **73**: 394.—**Bourgeois, H.** Sur les causes de la chronicité des otites suppurées. J. méd. fr., 1924, **13**: 381–3.—**Cheatle, A. H.** [Chronic middle ear suppuration; its etiology and prevention] Svensk. läk. tidn., 1923, **19**: 505–15.—**Chimani, F.** Chronische Mittelohreiterung und Vitamin C, experimentelle Untersuchungen über C-Vitamin und Mittelohrschleimhaut. Mschr. Ohrenh., Wien, 1959, **73**: 123–39.—**Cornelli, G.** Ricerche sperimentali sulla reazione anacorica nell'orecchio medio e sulla sua possibile ripercussione nella patogenesi delle otiti medie purulente. Arch. ital. otol., 1935, **47**: 834–63.—**Cullom, M. M.** Etiology of middle ear suppuration. South. M. J., 1930, **23**: 1091–7.—**García Tapia, A.** Otitis crónica supurada en una niña que tenía estenosis cicatrizal del conducto auditivo externo. In his Antología, Madr., 1945–46, **2**: 78–80.—**Halphen & Breton.** Fracture longitudinale du rocher compliquée secondairement de paralysie faciale et d'otite moyenne suppurée; intérêt de la radiographie; problème thérapeutique. Ann. otolar., Par., 1939, 687–90.—**Motta, R.** Le otiti purulente nei tubercolotici. Ann. Ist. Carlo Forlanini, 1937, **1**: No. 2, 94.—**Mouret, J., & Portmann, G.** La structure anatomique de l'oreille moyenne et son influence sur le cours des suppurations de l'oreille. Rev. laryng., Par., 1928, **49**: 556; 595.—**Nicolas, J., & Chanial, G.** Lésions suppurées de l'oreille datant de 7 mois; corps étranger probable. Bull. Soc. fr. derm. syph., 1935, **42**: 678.

—— suppurative: Pathology.

See also subdivision (Infectious focus)

Boland, J. Zur Histopathologie der serösen und eitrigen Entzündungen der Mittelohrräume. Med. Korbl. Württemberg, 1932, **102**: 367.—**Druss, J. G.** Rôle which the epidermis plays in suppurations of the middle ear. Arch. Otolar., Chic., 1933, **17**: 484–502.—**Karpov, N. A.** [The nervous component in otitis media suppurativa] Arkh. biol. nauk, 1937, **45**: 123–32.—**Keen, J. A.** Some points in the pathology of chronic middle-ear suppuration. J. Lar. Otol., Lond., 1928, **43**: 574–9.—**Kopetzky, S. J.** Clinical application of physiology and histopathology to the study of suppurative lesions of the middle ear. In: Pract. Libr. M. & S., N. Y., 1937, **11**: 443–58.—**Mouret, J., & Portmann, G.** La structure anatomique de l'oreille moyenne et son influence sur le cours des suppurations de l'oreille. Rev. laryng., Par., 1928, **49**: 555.—**Rips, S. L.** [Effect of increased atmospheric pressure on the ear in chronic, suppurative inflammation of the tympanic region] Vest. otorinolar., 1939, No. 3, 10–3. ——— O histopatologicheskikh izmeneniiakh vo vnutrennem ukhe zhivotnykh pri khronicheskom gnoinom vospalenii barabannoi polosti. Ibid., 1946, **8**: 30–3.—**Rodger, T. R.** Muco-purulent tubo-tympanic infections. Brit. M. J., 1934, **2**: 544–8.—**Soubiron, N. v., & Bisi, R. H.** Clasificación de las otitis medias crónicas supuradas. Comun. Congr. sudamer. otorrinolar. (1944) 1945, 2. Congr., **2**: 127–37.—**Yamamoto, Y.** Zikken-teki kanō-sei tyūzien ni okeru kotu-byōhen ni tuite [bony changes in experimental suppurative otitis media] Zibiinkoka, 1949, **21**: 98–101.

—— suppurative: Surgery.

See also subheading Surgery; also **Middle ear,** Surgery.

Szterenfeld, S. *L'aspiration prolongée; traitement de l'otite moyenne aiguë suppurée. 52p. 8° Par., 1934.

Aboulker, H. La trépanation à distance de l'oreille qui suppure; trépanation temporale au occipitale sous anesthésie locale; méthode générale de diagnostic et de traitement de toutes les complications intra-durales des otites. Presse méd., 1928, **36**: 1546.—**Amersbach, K.** Neuere Bestrebungen in der chirurgischen Behandlung chronisch eitriger Mittelohrprozesse. Jahrkurs. ärztl. Fortbild., 1928, **19**: H. 11, 25–34. Also Beitr. ärztl. Fortbild., 1929, **7**: 72. ——— & **Melzer.** Zur Frage der konservativen Operation bei chronisch eitrigen Mittelohrprozessen. Zschr. Laryng., 1928–29, **17**: 451–5.—**Babbitt, J. A.** A modified attic drainage in chronic suppurative otitis media; preliminary report. Ann. Otol. Rhinol., 1931, **40**: 348–59. ——— Surgery in chronic middle-ear infection. Ann. Surg., 1935, **101**: 407–10. Also in Surgery (Ravdin, I. S.) Phila., 1935, 407–10.—**Brown, L. G.** Chronic suppurative otitis media; modified radical operation. Proc. R. Soc. M., Lond., 1937–38, **31**: 343.—**Cornelli, G.** Il trattamento post-

operatorio dello svuotamento petrotimpanico; operazione radicale per otite media purulenta cronica. Atti Accad. med. lombardo, 1940, 29: 225–8.—**Daggett, W. I.** Operative treatment of chronic suppurative otitis media. J. Lar. Otol., Lond., 1949, 63: 635–46, 3 pl.—**Davidson, J. P.** Operative treatment of chronic suppuration of the middle ear. Tr. Tristate M. Ass. Carolinas & Virginia, 1905, 7: 317–23.—**Frey, H.** Wann müssen Mittelohreiterungen operiert werden? Ars medici, Wien, 1933, 23: 679–84. Also Ars medici (Am. M. Ass. Vienna) Wien, 1934, 12: 99–103.—**Hempstead, B. E.** Operative procedure in chronic suppurative otitis media with mastoiditis. Minnesota M., 1933, 16: 615–7.—**Hill, F. T.** Ossiculectomy in the treatment of chronic suppurative otitis media. Tr. Am. Otol. Soc., 1942, 32: 111–25. Also Laryngoscope, 1942, 52: 514–21. Also Arch. Otolar., Chic., 1943, 37: 134–6 (Abstr.)—**Jenkins, G. J.** Operative treatment of chronic middle ear suppuration. Eye Ear &c. Month., 1926–27, 5: 25–30. ——— **Scott, S. R.** [et al.] Discussion on operative treatment of chronic middle-ear suppuration. Brit. M. J., 1925, 2: 1109–15.—**Joseph, L.** Die Indikationen zu den operativen Eingriffen bei den akuten und chronischen Mittelohreiterungen, mit besonderer Berücksichtigung des Kindesalters. Klin. Wschr., 1930, 9: 841–3.—**Kramm, H.** Zur Atticotomie bei akuten Eiterungen. Arch. Ohr. &c. Heilk., 1940, 148: 348–50.—**Lempert, J.** Lempert endaural subcortical mastoidotympanectomy for the cure of chronic persistent suppurative otitis media. Arch. Otolar., Chic., 1949, 49: 20–35.—**Lillie, H. I.** Indications for surgical interference in case of chronic suppurative otitis media with mastoiditis. Minnesota M., 1933, 16: 613.—**Lodge, W. O.** Operative treatment of chronic otitis media. J. Internat. Coll. Surgeons, 1947, 10: 197–207, incl. 3 pl.—**M'Kenzie, D.** Severe early symptoms an indication for opening the tympanic antrum in acute suppuration of the middle ear. Med. Press, Lond., 1925, n. ser., 119: 315.—**Madge, F. T.** The results of transmastoid drainage of the middle ear for chronic suppurative otitis media in children. J. Lar. Otol., Lond., 1938, 53: 711–3.—**Mygind, S. H., & Thornval, A.** [Indications for operative treatment in otitis media suppurativa chronica] Hospitalstidende, 1932, 75: Dansk otolar. selsk. forh., 1–38.—**Newhart, H.** Indications for operative interference in middle ear suppuration. Minnesota M., 1934, 17: 439–42.—**Pratt, J. A.** Our eighteenth century method of treating suppurative otitis media. J. Am. M. Ass., 1930, 95: 1258–61.—**Reese, M. D.** Ossiculectomy in the treatment of chronic purulent otitis media. Laryngoscope, 1927, 37: 121–31.—**Rentschler, H. D.** Early drainage of middle ear abscess. Bull. Guthrie Clin., 1933, 2: 157–60.—**Rosenhaus, D. E.** [Operative treatment of chronic suppurative otitis by Heermann's method; data from the Ukrainian Otolaryngological Institute] J. ushn. nosov. gorlov. bolez., 1939, 16: 114–20.—**Schlander, E.** Akute Mittelohreiterung, Mastoiditis, Pyramidenzelleneiterung, Operation nach Frenckner. Wien. klin. Wschr., 1949, 61: 46.—**Sheridan, M. R.** Chronic suppurative otitis media; its operative treatment. Brit. M. J., 1936, 1: 791.—**Soyka, L.** Zur Dringlichkeit operativer Massnahmen bei akuter Mittelohreiterung. Med. Klin., Berl., 1926, 22: 956.—**Sutphen, E. B.** The question of operation in acute purulent otitis media. J. M. Soc. N. Jersey, 1929, 26: 209–11.—**Tumarkin, A.** Transmeatal attico-antrotomy in chronic tympanomastoid suppuration. Proc. R. Soc. M., Lond., 1946–47, 40: 761–72.—**Weill, G. A.** L'aspiration dans le traitement de l'otite moyenne aiguë suppurée. Otorhinolar. internat., Lyon, 1930, 14: 384–7.—**Wood, V. V.** Early and late operation for acute suppuration of the middle ear and temporal bone. Tr. Am. Laryng. Ass., 1935, 41: 58–70.

—— suppurative: Treatment.

See also subdivision (Otorrhea: Treatment)

Morales Miranda, E. *Contribución al estudio del tratamiento de las otitis medias crónicas supuradas [Chile] 59p. 26½cm. Nuñoa, 1938.

Rubio, D. *La otomastoiditis supurada; su tratamiento. 79p. 21½cm. Guadalajara, 1905.

Teixeira Bastos, F. G. *Otite média purulenta e seu tratamento. 47p. 8° Lisb., 1889.

Birdsall, S. E. The treatment of suppurative otitis media. Postgrad. M. J., Lond., 1946, 22: 144–6.—**Blalock, A., & Crowe, S. J.** The treatment of chronic middle ear suppuration. Arch. Otolar., Chic., 1925, 1: 267–71.—**Brown, L. G.** The treatment of chronic suppurative otitis media. Brit. M. J., 1935, 2: 986–90. Also Med. J. Australia, 1935, 2: 492–3.—**Buev, P. D.** [Treatment of suppurative chronic otitis] Kazan. med. J., 1941, 37: No. 2, 53–60.—**Buzoianu, G. V.** [Treatment of chronic suppuration of the middle ear] România med., 1931, 9: 39.—**Coates, G. M.** The treatment of chronic running ears, or chronic suppurative otitis media. Ohio M. J., 1931, 27: 128–33.—**Day, K. M.** The treatment of chronic suppurative otitis media. Pennsylvania M. J., 1934–35, 38: 505–7.—**Dean, L. W.** Therapy of otitis media suppurativa chronica. Tr. Iowa M. Soc., 1902, 20: 396–421.—**Del Villar, R.** Terapéutica moderna de las otomastoiditis. Acta méd. hidalg., Pachuca, 1949, 2: 180–8.—**Dietl, E. L.** The treatment of chronic suppurative otitis media. J. Indiana M. Ass., 1947, 40: 434–6.—**Gilliland, O. S.** Treatment of ear suppurations. Month. Bull. Kansas City Clin. Soc., 1935, 11: No. 5, 11–3.—**Grain, R.** L'otite moyenne chronique suppurée et son traitement. Bull. Soc. méd. Paris, 1938, 771–7. Also J. méd. Paris, 1939, 59: 349.—**Gratiot, H. B.** The treatment of acute suppurative otitis media. Tr. Iowa M. Soc., 1902, 20: 422–9.—**Harris, R.** A treatment of chronic purulent otitis media. Tr. Am. M. Ass., Sect. Lar. Otol., 1937, 140–3. ——— A clinical note on the treatment of chronic suppurative otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1938, 44: 370.—**Hassan Bey Shaheen.** Treatment of middle ear suppuration. Brit. M. J., 1929, 1: 643.—**Hernández Gonzalo, P.** Las supuraciones crónicas del oído medio; concepto práctico de su tratamiento. Villaclara méd., S. Clara, 1941, 9: 159–69.—**Horn, J.** The conservative treatment of chronic otitis media purulenta; preliminary report. Med. J. & Rec., 1927, 125: 721–3.—**Hybášek, J.** [Chronic suppurative otitis and its treatment] Cas. lék. česk., 1933, 72: 973–5.—**Joiner, W. E.** The treatment of chronic purulent otitis media. U. S. Veterans Bur. M. Bull., 1926, 2: 53–5.—**Jones, C. C.** Treatment of acute suppurative otitis media. Cincinnati J. M., 1925–26, 5: 336–41.—**Kōno, K., & Nomura, S.** Zi-sei kanō-sei nōmaku-en tiken rei [experience in treatment ...] Zibiinkoka, 1949, 21: 396–401.—**Lawson, L. J.** Chronic suppurative otitis media; a revision of therapeutic practice. Tr. Am. Lar. Rhin. Otol. Soc., 1943, 306–20.—**Lillie, H. I.** Treatment of acute and chronic suppurative otitis media. Tr. Am. M. Ass., Sect. Lar. Otol., 1940, 55–61. Also J. Am. M. Ass., 1940, 115: 506–8.—**Lindsay, J. R.** Recent progress in management of acute suppuration of the middle ear. Arch. Otolar., Chic., 1944, 39: 492–7.—**Lurier, M. S.** K klinike atipichnogo techeniya srednikh gnoinykh otitov i ikh oslozhnenii. Vest. otorinolar., 1948, No. 4, 21–31.—**McElmeel, E. F.** Some experiences in the treatment of chronic suppurative otitis media. Minnesota M., 1946, 29: 1003.—**Maduro, R.** Etat actuel du traitement des suppurations chroniques de l'oreille. Sem. hôp., Par., 1949, 25: 947–51.—**Malhotra, S. N.** Suppurative otitis media, treatment. Antiseptic, Madras, 1934, 31: 954–6.—**Nager, F.** Ueber die chronischen Mittelohreiterungen, ihre Behandlung und ihre Komplikationen. Schweiz. med. Wschr., 1927, 57: 301.—**Owen, F. S.** Some remarks upon the treatment of chronic suppuration of the middle ear. Proc. Nebraska M. Soc., 1897, 29: 313–21.—**Phillips, J. R.** The management of chronic suppurative otitis media. N. Orleans M. & S. J., 1940–41, 93: 93–5.—**Rodger, T. R.** The treatment of chronic suppurative otitis. J. Lar. Otol., Lond., 1933, 48: 525–34.—**Ryan, M. J.** Acute suppurative otitis media and its management. Kansas City M. J., 1941, 17: No. 6, 17–21.—**Schlittler, E.** Ueber die Behandlung der akuten und chronischen Mittelohreiterung. Schweiz. med. Wschr., 1932, 62: 1149–52.—**Schmidt, V.** [Treatment of otitis media suppurativa acuta] Ugeskr. laeger, 1938, 100: 1018–22.—**Sellers, L. M.** Management of chronic suppurative tympanomastoiditis. Texas J. M., 1948–49, 44: 378–81.—**Shambaugh, G. E.** The treatment of chronic suppurative otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1928, 34: 364–8.—**Shambaugh, G. E., jr.** End results in the treatment of chronic suppurative otitis media. Illinois M. J., 1939, 75: 180–3.—**Tobey, G. L., jr.** Treatment of chronic suppurative otitis media. Tr. Am. Lar. Rhin. Otol. Soc., 1927, 33: 509–16.—**Volfkovich, M. I.** Lechenie khronicheskogo gnoinogo otita. Sovet. med., 1948, 12: No. 11, 24–6.—**Voorhees, I. W.** The treatment of suppurating ear. Med. World, 1945, 63: 213–5.—**Wells, A. G.** The treatment of chronic suppurative otitis media. Practitioner, Lond., 1942, 148: 334–41.—**Williams, H. L.** Classification and management of chronic suppurative otitis media. J. Iowa M. Soc., 1936, 26: 346–52.—**Zak, N. V.** [Treatment of suppuration of the ear] Mosk. M. J., 1924, 4: pt 2, 47–9.

—— suppurative: Treatment: Antibiotics.

Collins, E. G., & Hughes, K. E. A. The treatment of chronic suppurative otitis media by the local application of penicillin and other drugs. J. Lar. Otol., Lond., 1944, 59: 81–95.—**Conley, J. J.** Treatment of chronic suppurative otitis media with penicillin. Arch. Otolar., 1945, 42: 374–7.—**Dunn, R. E.** Penicillin in the treatment of discharge from the middle ear. Med. J. Australia, 1947, 1: 289–93.—**Eidelstein, S. I.** Lechenie gnoinykh srednikh otitov nativnym streptomicinom. Vest. otorinolar., 1947, No. 6, 21–6.—**Friedberg, S. A.** Chemotherapy and use of antibiotics in combating aural suppuration. Am. J. Dis. Child., 1947, 74: 631–5.—**Gershanovich, N. L.** Mestnoe primenenie penicillina pri khronicheskikh gnoinykh otitakh i khronicheskikh vospaleniiakh Haimorovoi polosti. Vest. otorinolar., 1947, No. 4, 24–7. Also Voj. san. pregl., Beogr., 1947, 4: 271–3.—**Harris, H. W., Kilham, L., & Finland, M.** Local streptomycin therapy for suppurative otitis; bacteriologic and clinical observations. Arch. Otolar., Chic., 1949, 49: 69–77.—**Hinge, J., & Menck-Thygesen, P.** On penicillin treatment of otitis media suppurativa. Acta otolar., Stockh., 1948, 36: 333–9.—**Holt, J. B., & Snell, F. B.** Streptomycin used in the treatment of suppurative otitis media; a preliminary report. Arch. Otolar., Chic., 1947, 45: 169–72.—**Iokheles, Z. J.** [Experimental treatment of chronic purulent otitis with gramicidin] Vest. otorinolar., 1945, No. 3, 32.—**Kamio, T.** Kanō-sei tyūzien ni tai-suru penicillin tekiyō ni tuite. Tokyo izi sinsi, 1948, 65: 41.—**Kollár, D.** Középfülgyulladások kezelése dobüregi penicillin-töltéssel. Otorhinolar. danub., 1947–48, 1: 179.—**Loeb,**

W. J. Penicillin ear drops in the treatment of suppurative otitis media. Arch. Otolar., Chic., 1946, **43**: 586–92.—**Lundon, A. E.** Streptomycin by topical application in treatment of chronic suppurative otitis media. Ibid., 1948, **48**: 418–29.—**Nakamura, S., Kosaka, S., & Naganuma, K.** Tyūzi-en ni taisuru penicillin no dōmyaku tyūsya ryōhō [... with penicillin by intra-arterial injection] Zibiinkōka, 1948, **20**: 233–9.—**Rendu, R.** Arrêt immédiat sous l'influence de la pénicilline d'une suppuration d'oreille datant de 3 mois. Ann. otolar., Par., 1948, **65**: 541.—**Streptomycin** therapy in chronic suppurative otitis media. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 6, 23–6.—**Szolcsányi, J.** A penicillin dobüregi alkalmazása genyes középfülgyulladásokban. Otorhinolar. danub., 1947–48, **1**: 179.—**Weinstein, L., & Atherton, H. B.** The treatment of acute suppurative otitis media with penicillin. J. Am. M. Ass., 1945, **129**: 503–8.—**Young, A., & Hall, I. S.** Penicillin treatment in acute suppurative otitis media with special reference to long-term hearing. J. Lar. Otol., Lond., 1948, **62**: 551–6.

—— suppurative: Treatment: Drugs.

Emmanuelli, F. *Emploi des sulfamides dans les otites suppurées. 35p. 25cm. Marseille, 1939.

Litty, H. *Die Behandlungsergebnisse mit Cumasina-Präparaten bei chronischen Mittelohreiterungen [Königsberg] 16p. 8° Gütersloh-Westf., 1937.

Morsak, L. *Ueber die Behandlung von chronischen Mittelohreiterungen mit Spuman Argentum nitricum. 24p. 8° Münch. [1930?]

Antommattei, A. Tratamiento de la supuración crónica del oído por la insuflación de la sulfanilamida. Bol. As. méd. Puerto Rico, 1942, **34**: 281.—**Avrunev, I. Z.** [Treatment of non-complicated suppurative otitis with streptocid] Vest. otorinolar., 1939, No. 5, 79–83.—**Bager, C. C.** [Experiences with chemotherapeutic treatment of acute suppuration of the middle ear] Ugeskr. laeger, 1940, **102**: 1091–3. ——— [Treatment of acute suppuration of the middle ear with sulfapyridin and acetylsulfapyridin] Ibid., 1941, **103**: 878.—**Bowers, W. C.** Observations on 793 cases of acute purulent otitis media; with chemotherapy in 396 cases. J. Am. M. Ass., 1940, **115**: 178–81.—**Brown, E. A., & Owen, W. E.** Treatment of chronic purulent otitis media with glycerite of hydrogen peroxide. Arch. Otolar., Chic., 1946, **43**: 605–12.—**Christoph, C. H.** Treatment of chronic suppurative otitis media with iodine powder. Illinois M. J., 1937, **71**: 176–9.—**Curtin, J. F.** Chemotherapy in acute otitis media and mastoiditis. Minnesota M., 1941, **24**: 1063–6.—**Falbe-Hensen, I., & Becker-Christensen, P.** Om sulfonamidbehandling af den acute suppurative otitis media med saerligt henblik paa otitis hos børn; 658 tilfaelde af otitis. Ugeskr. laeger, 1944, **106**: 163–7. Also Acta otolar., Stockh., 1944, **32**: 209–20.—**Fletcher, R.** Chronic purulent otitis media; its treatment with iodin powder (Sulzberger) California West. M., 1933, **39**: 32–4.—**Foster, H.** Dry treatment of suppurative otitis media with (Sulzberger) iodine powder. J. Am. Inst. Homeop., 1931, **24**: 1282–5.—**Fotiade, V.** Traitement des otites moyennes suppurées et catarrhales par la solution de Calot. Ann. mal. orcille, 1925, **44**: 1041–8. Also Arch. internat. laryng., Par., 1925, **31**: 1038–46. Also Mschr. Ohrenh., Wien, 1926, **60**: 171–8.—**Gromov, V.** [Results in treatment of chronic, suppurative otitis with granulin] Vest. otorinolar., 1941, No. 3, 69–73.—**Guttman, M. R.** Chronic otorrhea; its response to Calot's solution. Illinois M. J., 1927, **52**: 143–6.—**Hirst, O. C.** Treatment of acute suppurative otitis media; does douching of the ear spread infection to the mastoid cells? Arch. Otolar., Chic., 1939, **30**: 755–61.—**Howard, R. C.** Allergy to argyrol in a patient with chronic purulent otitis media. Laryngoscope, 1930, **40**: 215–8.—**Hubbard, T.** The ether treatment of chronic suppurative otitis media. Tr. Am. Otol. Soc., 1924, **16**: 647–52. Also Laryngoscope, 1924, **34**: 941–4.—**Hubert, C.** Role des traitement sulfamidés dans la thérapeutique des suppurations auriculaires et de leurs complications. Otorhinolar. internat., Lyon, 1939, **23**: 236–41. Also Rev. laryng., Bord., 1939, **60**: 405–10.—**Jessiman, J. B.** Chemotherapy and conservatism in acute suppurative otitis media. Brit. M. J., 1941, 1: 399–401.—**Jørgensen, A.** [Treatment of acute suppurative otitis media with alcohol irrigation] Ugeskr. laeger, 1938, **100**: 1022–7. Also Pract. otorhinolar., Basel, 1939, **2**: 261–75.—**Joseph, L.** Muzidanspülungen bei chronischen Mittelohreiterungen. Deut. med. Wschr., 1924, **50**: 1335.—**Kline, O. R.** The conservative treatment of chronic suppurative otitis media; efficacy of iodin dusting powder in the local therapy. Laryngoscope, 1934, **44**: 976–91, ch.—**Lederman, M. D.** The nonsurgical dry treatment of chronic suppurative otitis with iodine powder (Sulzberger) Ibid., 1930, **40**: 397–417. ——— Twenty years' experience with iodine powder (Sulzberger) in the conservative treatment of aural and nasal suppuration. Ibid., 1937, **47**: 110–25.—**Lindsay, J. R.** Chemotherapy in the treatment of complications of acute suppuration of the middle ear. Arch. Otolar., Chic., 1941, **33**: 327–30; Disc., Ann. Otol. Rhinol., 1941, **50**: 599–601.—**McAuliffe, G. B.** A contribution to the efficacy of ether in the treatment of suppurative otitis media. Med. J. & Rec., N. Y., 1926, **123**: 503.—**McKenzie, D.** Case showing the influence of insulin upon acute suppuration of the middle ear in a glycosuric patient. Proc. R. Soc. M., Lond., 1926–27, **20**: Sect. Otol., 65.—**Maness, G. M.** The treatment of chronic suppurative otitis media with iodine powder. J. Tennessee M. Ass., 1932, **25**: 445–9.—**Maxwell, J. H.** The sulfonamide drugs in the treatment of acute suppurations in the middle ear and mastoid. Surg. Gyn. Obst., 1942, **74**: 573–7.—**Miller, M. E.** Treatment of acute suppurative otitis media by local sulfonamide therapy; a report of 84 cases. J. Indiana M. Ass., 1944, **37**: 11.—**Osada, K.** Ueber den Einfluss der autonomen Nervengifte auf die Ohrenausflussmenge bei eitriger Mittelohrentzündung. Zschr. Otorhinolar., Tokyo, 1938, **44**: 77.—**Owen, W. E.** The treatment of chronic purulent otitis media with glycerite of hydrogen peroxide. Laryngoscope, 1949, **59**: 1030–5.—**Pieri, P. F.** Il sulfamitol-1 e il sulfamitol-2 nelle affezioni purulente dell'orecchio. Ann. laring., Tor., 1948. **47**: 25–30.—**Reis, W. M. dos.** Tratamento das otites médias suppuradas crônicas pelos corpos espumantes. Fol. med., Rio, 1937, **18**: 179–84. Also Rev. otolar. S. Paulo, 1937, **5**: 223–36. Also Mschr. Ohrenh., Wien, 1937, **71**: 930–40.—**Riccitelli, E., & Franchini, Y.** El líquido de Calot en el tratamiento de las otitis medias supuradas crónicas. Sem. méd., B. Air., 1926, **33**: pt 2, 496–8.—**Rossi, E.** Die Sulfone in der Behandlung der Otitis purulenta perforata des Kindes. Praxis, Bern, 1947, **36**: 597–600.—**Salaris, E.** Sono pericolose, o dannose, o da raccomandarsi le irrigazioni nelle otiti medie purulente? Arch. ital. otol., 1937, **49**: 115–24.—**Scal, J. C.** Chronic otorrhea; remarkable results with the use of Calot's solution. Eye Ear &c. Month., 1928, **7**: 501–3.—**Schmidt, V.** Treatment of acute suppurative otitis media by syringing with alcohol. J. Lar. Otol., Lond., 1935, **50**: 594–9. Also Arch. Ohr. &c. Heilk., 1936, **142**: 37–42. Also Ugeskr. laeger, 1936, **98**: 465. Also Zschr. Hals &c. Heilk., 1936–37, **40**: 503. ——— The treatment of patients with otitis media suppurativa acuta; especially with regard to the value of alcohol syringing. Acta otolar., Stockh., 1939, **27**: 136–46.—**Sharp, V. R.** Sulphapyridine in suppurative otitis media. Brit. M. J., 1941, **2**: 211.—**Sølling, P.** Propamidinbehandling af otitis med. supp. chron. og af sinuitis maxillaris. Nord. med., 1946, **31**: 1831–4.—**Stevenson, R. S.** The treatment of chronic aural suppuration with iodine powder. Brit. M. J., 1933, **1**: 95–7.—**Torrigiani, C. A.** La cura insulinica nelle suppurazioni auricolari a decorso subacuto. Ann. laring., Tor., 1936, **36**: 18–32.—**Ushakov, A. A.** [Bactericide treatment of otorrhea] Vet. otorinolar., 1939, No. 1, 117–9.—**Vaidya, D. N.** Suppuration of the middle ear treated with urea solution. Ind. M. Gaz., 1942, **77**: 150.—**Wonsowski, T.** Ueber die Calotsche Lösung bei der eitrigen Mittelohrentzündung. Mschr. Ohrenh., Wien 1927, **61**: 921–3.

—— suppurative: Treatment: Insufflation.

Schültz, A. *Ist der Katheterismus (Luftdusche) bei der akuten Otitis media purulenta wegen einer komplizierenden Mastoiditis indiziert oder kontraindiziert? [Bern] 22p. 8° Luzern, 1905.

Birkholz. Versuch, eine historisch gewordene konservative Behandlung chronischer Mittelohreiterungen durch neue Indikationsstellung wieder einzuführen; Tubenbehandlung nach Schwartze-Politzer. Med. Klin., Berl., 1927, **23**: 87–90.—**Ermolaev, P. I.** [Effect of gaseous chlorine on the course of suppurative otitis] Tr. Nauch. inst. fiziol., 1934, **1**: 497–500.—**Khatenever, A. M.** [Effect of chlorination on the course and microflora of suppurative otitis] Vest. otorinolar., 1939, No. 1, 74–83.—**Mossböck, F.** Die Behandlung chronischer Schleimhauteiterungen des Mittelohres mit Chlorgas. Wien. klin. Wschr., 1933, **46**: 76. ——— Die Behandlung chronischer Mittelohreiterungen mit Chlorgas. Zschr. Hals &c. Heilk., 1935, **38**: 158–62.

—— Suppurative: Treatment: Ionization.

See also subheading (Treatment: Ionization)

Lacaille, A. *Valeur de l'ionisation au zinc dans le traitement des suppurations chroniques de l'oreille moyenne et des cavités d'évidements. 118p. 8° Par., 1930.

Nicoloff, T. *Le traitement de l'otite purulente moyenne chronique par l'ionisation de zinc. 16p. 8° Genève, 1929.

Amarante, R. C. L. Tratamento das otites médias suppuradas chronicas pelos iônios de zinco. Brasil med., 1933, **47**: 143–6.—**Asherson, N.** Zinc ionization in the treatment of chronic suppurative otitis media. Laryngoscope, 1932, **42**: 141–7.—**Blackmar, F. B.** Zinc ionization in the treatment of purulent otitis media. J. M. Ass. Georgia, 1928, **17**: 540–6.—**Crosbie, W. E.** Zinc ionization in the treatment of suppurative otitis media. Brit. M. J., 1927, **1**: 918. Also Am. J. Phys. Ther., 1927–28, **4**: 161.—**Friel, A. R.** Three cases of chronic suppurative otitis media treated by ionization. Proc. R. Soc. M., Lond., 1923–24, **17**: Sect. Otol., 83.—**Granberry, C. E.** Zinc ionization in the treatment of chronic purulent otitis media. N. Orleans M. & S. J., 1925–26, **78**: 157–9.—**Harter, J. H.** Zinc ionization in the treatment of suppurative otitis

media. Eye Ear &c. Month., 1925–26, 4: 137–9.—**Hetrick, J. A. W.** Zinc peroxide in the treatment of chronic suppurative otitis media. Bull. N. York M. Coll., 1938, 1: 236–40.—**Hett, G. S., Wells, A. G., & Levick, G. M.** Ionization in suppuration of the middle ear. Eye Ear &c. Month., 1929, 8: 451–4.—**Lacaille, A.** Valeur de l'ionisation au zinc dans le traitement des suppurations des cavités d'évidement. Ann. otolar., Par., 1931, 667–74.—**Lister, N.** The results of ionic medication in chronic middle-ear suppuration. J. Lar. Otol., Lond., 1926, 41: 94–6.—**McLaggan, J. D.** The treatment of middle-ear suppuration by ionisation. Lancet, Lond., 1929, 1: 975.—**McLaurin, H. L.** Zinc ionization in the treatment of chronic purulent otitis media. Texas J. M., 1926–27, 22: 519–22.—**Norrie, F. H. B.** Indications for ionisation in chronic suppurative otitis media, with notes on the treatment of attic and antrum infections. J. Lar. Otol., Lond., 1928, 43: 786–91.—**Schmidt, V.** Zinc-ion-treatment of acute and chronic middle ear suppuration. Acta otolar., Stockh., 1924, 6: 568–80, pl.—**Tilley, H.** The treatment of chronic suppurative otorrhoea by zinc ionization. Child, Lond., 1926–27, 17: 257–9.—**Venecianova, M. S.** [Treatment of chronic, suppurative otitis of the middle ear with zinc ionophoresis] Tr. Gosud. nauch. inst. fizioter. Semashko, 1934, 2: 129–32.—**Warwick, H. L.** The so-called ionization treatment of suppurative otitis media. Dallas M. J., 1927, 13: 60–3. Also Arch. Phys. Ther., 1928, 9: 152–4.—**Zinoviev, P. N.** [Treatment of suppurative otitis and hearing by iontophoresis with 1% argenti nitrici] Vest. otorinolar., 1939, No. 6, 67–70.

—— suppurative: Treatment: Methods.

Sachs, M. *Zur conservativen Behandlung der chronischen Mittelohreiterungen. 31p. 8° Lpz., 1901.

Adams, W. S. The Schmidt treatment of acute suppurative otitis media. Birmingham M. Rev., 1936, 11: 33–8.—**Atwood, E. A.** Chronic suppurative otitis media; conservative management and treatment. J. M. Soc. N. Jersey, 1933, 30: 304–10.—**Banham, T. M.** The conservative treatment of chronic suppurative otitis media in adults. J. Lar. Otol., Lond., 1944, 59: 117–35.—**Beck, J. C.** Non-surgical treatment of chronic middle ear suppuration based upon 25 years experience. Tr. Am. Lar. Rhin. Otol. Soc., 1929, 35: 169–75. Also Ann. Otol. Rhinol., 1929, 38: 1150–4, pl.—**Bockstein, A. S.** [Treatment of suppurative, chronic otitis with lysozyme] Vest. otorinolar., 1939, No. 6, 34–7.—**Boebinger, M. P.** A new method of treatment for chronic suppurative otitis media. Pract. Med., Delhi, 1924, 22: 221–4.—**Bondarenko, A. T.** [Treatment of suppurative otitis with lysozyme] Vest. otorinolar., 1939, No. 4, 60–6.—**Bondy, G.** Zur Behandlung der chronischen Eiterung der oberen Mittelohrräume. Mschr. Ohrenh., Wien, 1927, 61: 459–63.—**Bracht, R.** La electrólisis de la trompa de Eustaquio come tratamiento de las supuraciones del oído medio. Rev. As. méd. argent., 1933, 47: 2942–8. Also Prensa méd. argent., 1933–34, 20: 1853–7.—**Brühl, G.** Zur Behandlung der akuten und chronischen Mittelohreiterung. Erg. ges. Med., 1929, 13: 59–72.—**Chimani, F.** Chronische Mittelohreiterung und Vitamin C. Zschr. Hals &c. Heilk., 1943–44, 49: 113–6.—**Clemison, F. J.** The conservative treatment of middle-ear suppuration. Practitioner, Lond., 1935, 135: 629–40.—**Fremel, F.** Wie behandelt der praktische Arzt die chronische Mittelohreiterung? Wien. klin. Wschr., 1928, 41: 313. ——— Die chronische Mittelohreiterung und ihre konservative Behandlung. Aerztl. Prax., Wien, 1937, 11: 296–9.—**Gorman, J. R.** Non-operative treatment of chronic otitis media suppurative. Virginia M. Month., 1926–27, 53: 378–82.—**Guida, G.** Vecchi e nuovi metodi di terapia nelle suppurazioni croniche dell'orecchio. Policlinico, 1925, 32: sez. prat., 1381–6.—**Hall, G. C.** A method of treating chronic ear suppuration. Kentucky M. J., 1936, 34: 441–4.—**Harris, R.** A treatment of chronic purulent otitis media. Arch. Otolar., Chic., 1937, 26: 522–5. ——— A clinical note on the treatment of chronic suppurative otitis media. Laryngoscope, 1938, 48: 276.—**Haskin, W. H.** Conservative treatment of the chronic suppurative ear. Tr. Am. Otol. Soc., 1924, 16: 601–17. Also Ann. Otol. Rhinol., 1924–25, 33: 1272–86.—**Hassam Bey Shaheen.** A note on the treatment of chronic suppuration of the middle ear by the subcutaneous or intramuscular injection of boiled milk. J. Lar. Otol., Lond., 1929, 44: 27.—**Hernández Gonzalo, P.** El tratamiento de las supuraciones crónicas del oído por el método de desplazamiento o de substitución asociado a la vitaminoterapia C. Vida nueva, Habana, 1943, 51: 116–24.—**Hirohire, S.** Kyū-sei kanō-sei tyūzi-en ni tai-suru A, D cap-san kyokusyo-teki ōyō [local use of vitamins A and D and capric acid in acute, suppurative otitis media] Iwate igaku gakko zassi, 1942–43, 6: 154–8.—**Hollender, A. R., & Cottle, M. H.** Comparative value of physical measures in the treatment of chronic purulent otitis media. Clin. M. & S., 1927, 34: 692–6.—**Hymes, C.** New and effective non-surgical method for the treatment of chronic suppuration of the middle ear. Minnesota M., 1931, 14: 1054–7.—**Kline, O. R.** Conservative management of chronic middle ear suppuration. J. M. Soc. N. Jersey, 1933, 30: 837–41.—**Lakhovsky, G.** Two cases of chronic and suppurating media otitis. In his Radiat. & Waves, N. Y., 1941, 78–82.—**Leroux, L.** Comment traiter un écoulement chronique de l'oreille. J. méd. chir., Par., 1932, 103: 561–71.—**Liébault, G.** Traitement médical de l'otite moyenne aiguë suppurée. J. méd. fr., 1924, 13: 395–9.—**Mignon, M.** Application de la méthode de substitution au traitement de l'otite moyenne suppurée. Ann. otolar., Par., 1934, 141–51.—**Mollison, W. M.** The treatment of chronic catarrhal otitis media and dry suppurative otitis media. Clin. J., Lond., 1934, 63: 465–8. ——— **Wilson, C. P.** [et al.] Discussion on the treatment of chronic catarrhal otitis media (excluding otosclerosis) and of deafness and dry suppurative otitis media. Proc. R. Soc. M., Lond., 1934, 27: 1069–80.—**Müller, I.** [Rôle of acid-base equilibrium and lipoids in the therapy of chronic, purulent otitis media] Gyógyászat, 1929, 68: 332–6.—**Mulsow, J. E.** Conservative treatment of chronic suppurative otitis media. Wisconsin M. J., 1925–26, 24: 130–2.—**Olivares, M.** Consideraciones al margen del tratamiento de las supuraciones del oído. An. Soc. mex. oft., 1936–37, 11: 29–35.—**Packard, F. R.** The home management of cases of acute suppurative otitis media. Ther. Gaz., Detr., 1926, 3. ser., 42: 850.—**Pérez, J. R.** Treatment of acute and chronic otitis media purulenta with sterilized milk. J. Philippine Islands M. Ass., 1932, 12: 382–4.—**Pichler, G.** Beitrag zur konservativen Behandlung chronischer Mittelohr- und Kieferhöhleneiterungen. Wien. klin. Wschr., 1927, 40: 681.—**Pitman, L. K.** The treatment of chronic suppurative otitis media with tubal perforation with the aid of the catheterizing eustachioscope; case reports. N. York State J. M., 1927, 27: 1061–4.—**Quiroga, J.** Cuatro casos de curación radical de otitis media purulenta crónica por un tratamiento médico personal. Sem. méd., B. Air., 1941, 48: 101–4.—**Rodger, T. R.** The modern treatment of chronic suppurative otitis media. Med. Press & Circ., Lond., 1938, 196: 350–3.—**Roques.** Le traitement des otites moyennes, aiguës, suppurées, par la protéinothérapie. Bull. Soc. méd. mil. fr., 1937, 31: 411–5.—**Sourdille, M., & Loué, A.** Sur 275 cas de suppurations aiguës oto-sinusiennes traitées en sept ans par la protéinothérapie. Ann. otolar., Par., 1937, 137–45.—**Stevenson, R. S.** Conservative treatment of chronic middle-ear suppuration. In: Recent Advance. Otolar., 2. ed., Lond., 1949, 165–78. ——— & **Ballantyne, J. C.** The conservative treatment of chronic suppurative otitis media. J. Lar. Otol., Lond., 1945, 60: 166–73. Also Arch. Phys. M., 1947, 28: 29–33.—**Stovin, J. S.** Improved treatment for purulent otitis media. Med. Rec., N. Y., 1940, 151: 430.—**Tanaka, S.** Man-sei tyūzi-en no dōmyaku tyūsya ryōhō ni tuite [intra-arterial parenteral therapy ...] Zibiinkoka, 1949, 21: 155–7.—**Unger, M.** Difficulties in the treatment of O. M. P. C. and methods of overcoming them. Eye Ear &c. Month., 1944, 23: 479–82. ——— A different treatment of chronic purulent otitis media; deep lavage, aeration and application of gold foil membrane bearing ointment of scarlet red. Arch. Otolar., Chic., 1947, 46: 670–80.—**Voorhees, I. W.** Non-surgical treatment of chronic suppurative otitis media. Eye Ear &c. Month., 1944, 23: 26–8. Also Med. World, N. Y., 1946, 64: 441.—**Walker, I. D.** Chronic purulent otitis media; combined treatment. J. Oklahoma M. Ass., 1928, 21: 281.—**Williams, C.** The medical and surgical treatment of suppurative affections of the middle ear. Tr. Minnesota M. Ass., 1903, 35: 271–7.—**Winnik, S. A.** Die Chemo-Immunitätstherapie der chronisch-eitrigen Mittelohrentzündungen nach der Methode von Prof. Daiches. Acta otolar., Stockh., 1931, 16: 83–96.—**Yosida, T.** Kyūsei kanō-sei tyūzi-en no ryōhō. Tohoku igaku zassi, 1936, 19: Suppl. 2, 278–85.

—— Suppurative: Treatment: Radiotherapy.

Delfraissy, A. *Traitement des otites moyennes suppurées trainantes par irradiations mastoïdiennes à l'aide de l'arc polymétallique. 59p. 8° Par., 1929.

Atkarskaia, A. [Treatment of chronic suppurative inflammations of the middle ear with ultra-violet rays] Vest. otorinolar., 1939, 625–30.—**Duerto, J.** El tratamiento de las otitis medias supuradas por los ravos ultravioletas. Ars medica, Barcel., 1930, 6: 327–9. Also Rev. med., Rosario, 1931, 6: 254–8.—**Kobayasi, N., & Takayanagi, O.** Kanō-sei tyūzi-en no Lipiodol-Röntgen tiryō-hō ni tuite [Lipiodol-Röntgen-Therapie bei eitriger Mittelohrentzündung] Tohoku igaku zassi, 1936, 19: Suppl. 3, 353–6.—**Löwy, K.** Bemerkungen zur Kurzwellenbehandlung der chronischen Mittelohreiterungen. Wien. med. Wschr., 1937, 87: 761.—**Rabinovitch, Z. G.** La roentgenthérapie des otites chroniques purulentes. Rev. laryng., Bord., 1936, 57: 660–89.—**Worms, P.** Indications et résultats de la radiothérapie dans les otites moyennes suppurées. Ann. otolar., Par., 1933, 1016.

—— suppurative: Treatment: Sera, vaccines, etc.

Jusseaume, G. E. J. *De l'emploi du bactériophage de d'Hérelle comme traitement des otites moyennes suppurées. 56p. 8° Par., 1931.

Alves, A. A vacinoterapia nas otites médias supuradas. Med. contemp., Lisb., 1926, 44: 193.—**Andrianov, S. F.** [Vaccinotherapy of chronic middle ear suppuration] Mosk. med. J., 1925, 5: pt 11, 32–6.—**Atkarsky, V. A.** [Treatment of suppurative otitis with lactic serum of the Bulgarian bacillus and the nature of its effect] Tr. Nauch. inst. fiziol., 1934, 1: 398–400.—**Cuntz, W.** Behandlung eines Falles von chronischer Mittelohreiterung mit einer vom Institut für experimentelle Therapie Emil von Behring in Marburg-Lahn hergestellten

Yatren-Autovaccine. Fortsch. Ther., 1928, 4: 694.—**Di Donato, D.** Sul comportamento dell'indice opsonico rispetto ai più comuni germi delle otiti medie purulente croniche e loro complicanze, in individui trattati con autovaccinoterapia e proteinoterapia. Arch. ital. otol., 1924, 35: 163–81.—**Donadei, G.** L'antivirus Besredka nel trattamento delle otiti medie purulente croniche. Boll. Sez. ital. Soc. internaz. microb., 1929, 1: 55. Also Gior. batt. immun., 1929, 4: 340–4.—**D'Onofrio, F.** La vaccinoterapia associata a chemioterapia con coloranti azoici nella cura delle otiti medie purulente acute. Riv. chir., Nap., 1938, 4: 405–8.—**Fernández Seco, I.** Las vacunas microbianas en el tratamiento de las supuraciones del oído; consideraciones sobre varios casos clínicos. Siglo méd., 1920, 67: 526; 547.—**Genn.** Traitement de l'otite moyenne en voie de suppuration par le pyophage d'Hérelle. Rev. gén. clin. thér., 1934, 48: 151.—**Hagens, L. G.** [Some cases of chronic middle ear suppuration treated with vaccine] Ugeskr. læger, 1925, 87: 398.—**Kuznecova, N. A.** Opyt primeneniia autovakciny s askorbinovoi kislotoi pri vialo zazhivaiushchikh posleoperacionnykh ranakh ukha i gnoinykh otitakh. Vest. otorinolar., 1949, No. 2, 18–20.—**Leak, W. N.** Antivirus therapy for otitis media. In: Fasc. Cestriens., Macclesfield, 1934, 219–21.—**Meerowitsch, O. S., & Kalinin, A. M.** Bakteriotherapie der eitrigen Mittelohrentzündungen. Mschr. Ohrenh., Wien., 1926, 60: 877–83. ——— Zur Frage der Bakteriotherapie (Bac. bulgaricus) eitriger Mittelohrentzündungen und chronischer Kieferhöhleneiterungen. Ibid., 1929, 63: 427–44.—**Rubaltelli, E., & Denes, G.** Trattamento delle suppurazioni sub-acute e croniche dell'orecchio medio con l'antivirus Besredka. Ann. laring., Tor., 1931, 31: 125–44.—**Schaefer, H.** Klinische Versuche mit Trockenimpfstoffen zur Therapie akuter Mittelohreiterungen. Mschr. Ohrenh., Wien, 1936, 70: 14–21.—**Secondi, U.** L'autovaccinoterapia locale intradermica nella cura della otiti medie purulente croniche. Ann. laring., Tor., 1934, 34: 59–75.—**Westphal & Willführ, G.** Autovakzine Behandlung der Otitis media purulenta. Münch. med. Wschr., 1936, 83: 1344.—**Wirth, E.** Zur Behandlung chronischer Mittelohr- und Nebenhöhleneiterungen mit Bac. bulgaricus-Kulturen. Zschr. Hals &c. Heilk., 1929, 23: 285–7.—**Yoel, M.** Un nouveau traitement des otites purulentes. Arch. internat. laryng., Par., 1929, 35: 279–84. ——— Sur le vaccin antistaphylococcique curatif des otites suppurées. Ibid., 285–94. ——— Le vaccin antistaphylococcique contre les affections purulentes de l'oreille. Ann. otolar., Par., 1932, 159–61.

—— suppurative—in children.

See also subdivision (infantile)

Beney, C. The treatment of the chronic discharging ear in children. Med. Press & Circ., Dubl., 1937, 194: 29–31.—**Davis, L.** Non-draining purulent otitis a source of danger to the heart in children. Virginia M. Month., 1929–30, 56: 80–2.—**Gilhespy, F. B.** Report on the operative treatment in children with chronic suppurative otitis media. J. Lar. Otol., Lond., 1927, 42: 520–5.—**Hinojar, A.** Tratamiento de las otitis supuradas en los niños; indicaciones quirúrgicas. Pediat. españ., 1927, 16: 114–20.—**Hoffman, E.** Om behandlingen af den mere end 30 dage gamle otitis media suppurativa hos børn. Nord. med., 1941, 10: 1599–603.—**Klos, J.** Příčiny mastoidektomii při možnosti léčeni prudkých středoušních zánětů dětského věku penicilinem. Cas. lék. česk., 1949, 88: 1481.—**Liefskind, R. A.** [Treatment of chronic suppurative otitis and slight deafness of various forms in children by d'Arsonval's current] Fizioterapia, Moskva, 1939, No. 2, 65–70.—**Mattison, E. A.** Middle ear infections in children. Eye Ear &c. Month., 1926–27, 5: 633–5.—**O'Donnell, J. H.** The treatment and prognosis of chronic suppurative otitis media in children. Med. Press, Lond., 1947, 218: 323–7.—**Persky, A. H.** Chronic suppurative otitis media. Arch. Pediat., N. Y., 1937, 54: 425–33.—**Silva, J. de.** La supuración de oído en la edad infantil. Siglo méd., 1933, 92: 202.—**Simard, L. C.** Sur la fréquencc de l'otite moyenne aiguë suppurée chez l'enfant. Union méd. Canada, 1936, 65: 1085–7.—**Stuart, E. A.** Acute suppurative otitis media in a child with impaired myeloid activity following the use of sulfapyridine. Arch. Otolar., Chic., 1942, 35: 995.—**Trible, G. B.** Surgical treatment of suppurative otitis media in children. U. S. Nav. M. Bull., 1925, 23: 362–8.—**Villiers, R. de.** Algunas consideraciones sobre la supuración auricular aguda en la infancia. Rev. med. cir. Habana, 1936, 41: 756–64.—**Zharkovsky, G. L.** [Conservative treatment of chronic, suppurative otitis in children and adolescents] Kazan. med. J., 1939, 35: 56–62.

—— suppurative—in pregnancy.

Bondy, G. Die Frage der Beeinflussung der Mittelohreiterung durch die Gravidität. Mschr. Ohrenh., Wien, 1924, 58: 643. ——— & **Neumann, H.** Mittelohreiterung und Gravidität. In: Urbantschitsch Festschrift, Wien, 1919, 97–104.—**Lillie, H. I.** Suppurative otitis media, acute suppurative labyrinthitis and meningitis complicating pregnancy. Tr. Am. Lar. Rhin. Otol. Soc., 1941, 47: 363–9.

—— Surgery.

See also other subdivisions (acute: Surgery; chronic: Surgery; infantile: Surgery; suppurative: Surgery) also **Mastoid,** Surgery: **Middle ear,** Surgery; **Middle-ear drumhead,** Paracentesis.

HAMADE, C. *Considérations au sujet des indications opératoires dans les mastoïdites. 71p. 25cm. Bord., 1937.

Alexander, G. In welchem Zustand ist eine Ohrenerkrankung als chirurgische Krankheit zu betrachten? Wien. klin. Wschr., 1927, 40: 496–8.—**Caliendo, M.** L'olio de fegato di merluzzo nel trattamento post-operatorio delle otomastoiditi. Gior. med. mil., 1936, 84: 349–52.—**Kaneno, I.** Tyūzien no syuzyutu. Opcration, Tokyo, 1947, 1: 534–40.—**Lawner, S.** Ohrdrain; Beitrag zur konservativen Behandlung der Mittelohrentzündung. Mschr. Ohrenh., Wien, 1932, 66: 7–13.—**Mahu, G.** Note sur l'indication opératoire dans les mastoïdites aiguës. Otorhinolar. internat., Lyon, 1920, 4: 229–34.—**Matis, I.** [Contemporary methods in treatment of inflammation of the middle ear; modification of the radical operation of the ear.] Medicina, Kaunas, 1940, 21: 776–89.—**Sellers, L. M.** A preliminary report on the results of suction treatment of otitis media in 150 consecutive cases. Texas J. M., 1932, 28: 351–4.—**Takahara, T.** Tyūzi konzi syuzyutu-naru meisyō no kahi ni tuite [correctness of the term radical treatment of otitis media] Zibiinkoka rinsyo, 1942, 37: 373–7.

—— sympathetic.

SCHELLER, H. *Ueber sympathische Otitis. p. 124–42. 8° Berl., 1926.

Also Beitr. Anat. Ohr., 1926, 24:

Becker. Ueber sympathische Otitis. Zbl. Hals &c. Heilk., 1948, 38: 133. Also Zschr. Laryng., 1949, 28: 151–6.—**Güttich.** Zur pathologischen Anatomie der sympathischen Otitis. Beitr. Anat. Ohr., 1928, 27: 6–9, pl.—**Kindler, W.** Die endokraniellen Verwicklungen bei akuter Mittelohrentzündung unter besonderer Berücksichtigung der sympathischen Otitis. Deut. Militärarzt, 1940, 5: 193–6. ——— Zur sympathischen Otitis (Güttich) Arch. Ohr. &c. Heilk., 1943, 152: 222–7.—**Scheller, H.** Ueber sympathische Otitis. Beitr. Anat. Ohr., 1926, 24: 124–42.

—— Temporal bone.

Aboulker, H. La temporalite (essai de synthèse des otites et de toutes leurs complications) Rev. laryng., Bord., 1935, 56: 1126–34.—**Alpin, J.** Ein Fall von diffuser, akuter, otogener Osteomyelitis beider Schläfenbeine. Zschr. Hals &c. Heilk., 1931–32, 30: 105–9.—**Brock, W.** Beitrag zur Lehre der sogenannten otogenen akuten progressiven Osteomyelitis des Schläfenbeins beim Kinde. Zschr. Laryng., 1931, 21: 295–308.—**Charousek.** Zur klinischen Analyse des Entwicklungsganges otogener Schläfenbeinerkrankungen. Med. Klin., Berl., 1926, 22: 132; 174.—**Delobel.** A propos de quelques cas d'ostéopérioștite du temporal d'origine otogène. J. sc. méd. Lille, 1912, 2: 241–8.—**D'Hoore,** Ostéo-myélite du temporal gauche, suite d'otite moyenne purulente chronique; abcès sous-dural. Bull. Soc. belge otol., 1903, 8: 231–9.—**Grahe, K.** Pneumatisation der Schläfenschuppe als Ursache von Komplikationen bei akuter Mittelohreiterung (Squamitis) darunter ein Fall von Hirnabszess mit Ventrikeleinbruch. Zschr. Laryng., 1935, 26: 365–72.—**Jones, M. F.** Infections of the temporal bone with secondary manifestations. Tr. Am. Otol. Soc., 1934, 24: 77–99.—**Luc, H.** Pour clore la série de mes faits d'abcès sous-périostés du temporal d'origine auriculaire sans suppuration intra-osseuse. Rev. laryng., Par., 1918, 39: 326–9.—**Mouret, J.** Le pied de l'os écailleux; ses rapports avec l'oreille et avec les suppurations otiques. Ann. mal. oreille, 1927, 46: 101–70.—**Norup, S.** Treatment of ostitis temporalis chronica by simple chiselling, sulfathiazol plombage and primary suture; with special rcference to chronic otitis with central perforation. Acta otolar., Stockh., 1948, 36: 7–16.

—— Toxemia.

See also subdivision (infantile: Manifestation)

De Stella, H. Toxinémie d'origine otitique. Otorhinolar. internat., Lyon, 1919, 7: 425–32. ——— Toxinémie d'origine otitique sans thrombose des sinus. Bull. Soc. belge otol., 1937, 373–6.—**Halász, I.** [Otitis media complicated by alimentary toxicosis] Gyógyászat, 1933, 73: 463–6.—**Hompes, J. J.** Toxic otitis. Tr. Am. Lar. Rhin. Otol. Soc., 1929, 35: 463–9. Also Ann. Otol. Rhinol., 1929, 38: 280–7.—**Keller, W.** Okkulte Mastoiditis und Toxikose. Mschr. Kinderh., 1941–42, 89: 78–82.—**Lemoine, J.** A propos de deux types de syndromes hypertoxiques auriculaires observés en clientèle. Ann. otolar., Par., 1948, 65: 294–304.—**Rebattu, J., Moindrot, M., & Butavand, M.** Oto-mastoïdites latentes et toxicose. J. méd. Lyon, 1949, 30: 725–30.—**Ross, E. L., & Rawson, R. W.** Effects of bacterial toxins in the middle ear. Arch. Otolar., Chic., 1936, 24: 51–8.

—— traumatic.

See also subdivisions (Aero-otitis; Military aspect) also **Cranium,** Fracture; **Middle ear,** Injury; **Middle-ear drumhead,** Injury.

Baccarani, C. Un caso di otomastoidite traumatica con paresi del facciale e sindrome petrositica. Gior. med. mil.,

1943, 91: 55.—**Davydov, S. M.** K klinike pozdnikh post-kontuzionnykh otitov i mastoiditov. Vest. otorinolar., 1947, No. 6, 39–42.—**Frotzel, J.** [Acute otitis media with injury of the pyramid of the tympanum] Cas. lék. česk., 1937, 76: 1493.—**Gaston, A.** Les otites traumatiques. Actual. oto-rhinolar., Par., 1948, 119–28.—**Hutchison, K., & Chapin, W. N.** Acute suppurative otitis media with meningitis following fracture of the skull. Arch. Otolar., Chic., 1941, 33: 1103.—**Kindler, W.** Die durch Detonation entstandene Mittel-ohreiterung; ihre Besonderheiten und Verlauf. Arch. Ohr. &c. Heilk., 1942, 151: 52–6.—**Lazzaro, C.** Otite media purulenta post-traumatica con osteite dell'osso timpanico da schegge di ghisa fusa. Settimana med., 1942, 30: 103–5.—**Malfatti, G.** Stenosi cicatriziale del condotto uditivo da ferita di scheggia di granata, otomastoidite secondaria; operazione con plastica alla Caliceti, guarigione; considerazioni sulla sulfamidoterapia locale preventiva delle ferite del condotto uditivo esterno. Boll. mal. orecchio, 1943, 61: 191–9.—**Masciotra, A. A.** Meningitis difusa mortal por otitis purulenta a causa de un trauma facial. Sem. méd., B. Air., 1935, 42: pt 2, 1838–41.—**Simonton, K. M.** Foreign bodies of the external auditory canal causing otitis media. Arch. Otolar., Chic., 1949, 49: 16–9.

—— Treatment.

See also other subdivisions (acute; Aero-otitis; chronic; Complications; infantile; Mucosus type; Otorrhea; scarlatinal; Sepsis; suppurative)

Blashki, E. P. Otitis media, with reference to modern treatment. Bull. Postgrad. Com. Med. Univ. Sydney, 1947–48, 3: 27–31.—**Bourguet, J., & Le Branchu, J.** Conduite à tenir en présence d'une otite aiguë ou d'une otite chronique. Ouest méd., 1949, 2: 87–95.—**Formby, M.** Treatment of otitis media. Brit. M. J., 1938, 1: 1014; 1061.—**Güttich.** Was soll der praktische Arzt bei der Behandlung der Mittelohrentzündung wissen. Deut. med. Wschr., 1937, 63: 1799–801.—**Harkins, J. P.** Otitis media and the family physician. Wisconsin M. J., 1933, 32: 81–4.—**Harner, C. E.** Otitis media, its management and treatment. California West. M., 1931, 34: 156–8.—**Hasselt, E. H. v.** [Inflammation of the middle ear and its treatment by the general practitioner] Geneesk. tschr. Ned. Indië, 1940, 80: 2765–78.—**Hata, H.** Tyūzi-en no tiryō. Sogo igaku, 1949, 6: 162; 220.—**Hofer, G.** Wann soll eine Mittelohrentzündung dem Facharzte über-antwortet werden? Wien. med. Wschr., 1933, 83: 605–10.—**Johnston, C. M., Harper, A. R.** [et al.] Infective ear disease. Brit. M. J., 1949, 1: 237–9.—**Komuro, K.** Tyūzi-en oyobi hubu-bikō-en no ryōhō ni tai-suru hiken [über die Behandlung der Nebenhöhlenentzündung der Nase und der Mittelohrentzündung] Nagasaki igakkai zassi, 1934, 12: 553–7.—**Kuyer, A.** Behandeling van otitis media. Geneesk. tschr. Ned. Indië, 1924, 64: 179.—**McAuliffe, G. B.** A neglected phase of treatment in middle ear disease. Eye Ear &c. Month., 1927–28, 6: 393.—**McMahon, B. J.** Abstract of instruction on infections of the middle ear and mastoid. Tr. Am. Lar. Rhin. Otol. Soc., 1931, 37: 177.—**Otitis** media and its therapy. Med. Times, N. Y., 1948, 76: 286–97. Also Am. Profes. Pharmacist, 1949, 15: 541, 636.—**Popper, J.** Middle ear infection; common forms and their management. N. York State J. M., 1930, 30: 1146–9.—**Roy, B. N. C.** The treatment of otitis media. Ind. M. Gaz., 1939, 74: 80–2.—**Stahr, R.** Otitis media; its management. J. Iowa M. Soc., 1935, 25: 475–7.

—— Treatment: Antibiotics.

Alvarez Pérez, R. La penicilina en las otitis medias. Med. & cir. guerra, 1948, 10: 343–5.—**Blake, F. G.** The use of penicillin in otitic infections. Arch. Otolar., Chic., 1945, 41: 392.—**Christierson, S. v.** Penicillin in otitis media; treatment of the disease and its complications. U. S. Nav. M. Bull., 1945, 45: 919–25.—**Gottlieb, I.** Penicillin in otitis media. Brit. M. J., 1948, 1: 124.—**Iwata, I.** Penicillin no kyokusyo ōyō ni yoru tyūzien no iti sin-tiryō-hō. Sindan & tiryo, 1949, 37: 174.—**Karatay, S.** Treatment of otitis media and sinusitis with penicillin. Arch. Otolar., Chic., 1947, 45: 288–93.—**Kollar, D.** Traitement des otites moyennes par l'injection de la pénicilline dans la cavité tympanique. Paediat. danub., Budap., 1948, 3: 87–96.—**Nakamura, S., & Kosaka, S.** Tyūzi-en ni tai-suru penicillin no dōmyaku-tyūsya ryōhō [arterial injection of penicillin for otitis media] J. Otorhinolar. Soc. Japan, 1949, 52: 38.—**Ohhuzi, T.** Penicillin-ryōhō no kōzai; tyūzien no kiroku yori ippan i ni simesu. J. Jap. M. Ass., 1949, 23: 448–51.—**Ortega.** La penicilina en las otitis. Galicia clín., Coruña, 1947, 19: 207–12.—**Piquet, J.** Le traitement par la pénicilline des otites et des mastoïditis aiguës. Echo méd. nord, 1948, 19: 152–5.—**Poujol.** Oto-mastoïdites guéries par instillations de pénicilline. Bull. Soc. méd. mil. fr., 1946, 40: 50.—**Senturia, B. H.** Ear infections. In: Streptomycin (Waksman, S. A.) Balt., 1949, 501–10.—**Streptomycin** therapy in otitis externa, otitis media, mastoiditis, brain abscess, and meningitis; results of therapy with streptomycin in a group of 37 cases. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 22.

—— Treatment: Balneo-, climato- and crenotherapy.

Bufalini, B. Delle malattie curate in Cortona; otitidi ed altre affezioni dell'orecchio. Gior. progr. pat., Venez., 1844, ser. 2, 5: 384–6.—**D'Onofrio, F.** Udito ed altitudine; favorevole influenza del clima di altitudine sulle otiti catarrali. Arch. ital. otol., 1928, 39: 603–10.—**Melzi, U.** Le otiti medie catarrali, la loro importanza dal punto di vista funzionale e il loro trattamento colle insuffazioni endotimpaniche solforose di Vinadio. Pensiero med., 1937, 26: 112–8.

—— Treatment: Chemotherapy.

De Canio, J. *Sulfanilamide in otitis media and mastoiditis [S. Mary Hosp., Hoboken] 17p Ms. 28cm. Hoboken, 1940.

Adams, W. S., Martin, G. E. [et al.] Discussion on the use and misuse of sulphonamides in otitis media. Proc. R. Soc. M., Lond., 1943–44, 37: 743–50.—**Alloway, F. L.** Sulfathiazole in the treatment of otitis media; report on 32 cases. J. Tennessee M. Ass., 1941, 34: 217–9.—**Anglesio, D.** Anemia aplastica da preparati sulfamidici in un caso di otite media purulenta subacuta. Ann. laring., Tor., 1941, 41: 8–17.—**Barnes, E. B.** Sulphonamides in otitis media. Brit. M. J., 1943, 2: 658.—**Bartual Vicens, R.** Quimioterapia de las otitis. Bol. cult. Cons. gen. Col. méd. España, 1946–47, 2: No. 8, 29–36.—**Bienes Gómez-Aragón, R.** Nueva aportación a la quimioterapia de las infecciones del oído. Medicina, Madr., 1944, 12: pt 2, 525–31.—**Bilchick, E. B., & O'Kane, G. H.** Sulfanilamide in otitis media in children. Laryngoscope, 1941, 51: 197–201; 1942, 52: 341–5.—**Boserup, O.** [Mercurochrome treatment of aural disease] Hospitalstidende, 1926, 69: Dansk otolar. selsk. forh., 82.—**Bourgeois, R., & Franck.** Trois cas d'oto-mastoïdites traitées par sulfamidothérapie. Ann. otolar., Par., 1943, 152.—**Bowman, S. H.** Prontylin in otitis media. J. Am. Inst. Homeop., 1937, 30: 591.—**Chase, W. D.** The use of the sulfonamides in middle ear infections. S. Luke Hosp. Bull., Bethlehem, 1948–49, 3: 119.—**Curran, M.** Chemotherapy of middle-ear disease in dispensary practice. Brit. M. J., 1940, 1: 615.—**Davidson, E. W.** Chemotherapy and antibiotics in infections of the ear. J. Am. Osteopath. Ass., 1948–49, 48: 158–61.—**Figueiredo, N. P. de.** O mercuro-cromo nas otites externas e médias. Rev. med. mil., Rio, 1945, 34: 129–36.—**Fisher, G. E.** Sulfanilamide in the treatment of otitis media. J. Am. M. Ass., 1939, 112: 2271.—**Gerlinge, P. G.** Chemotherapie bij otitis media. Ned. tschr. geneesk., 1941, 85: 2083–6.—**Glassburn, E. W.** Chemotherapy in otitis media. Hahneman. Month., 1947, 82: 239–42.—**Hall, D. S.** Sulfathiazole in the treatment of otitis media. Mississippi Doctor, 1941–42, 19: 182–6.—**House, H. P.** Otitis media; a comparative study of the results obtained in therapy before and after the introduction of the sulfonamide compounds. Arch. Otolar., Chic., 1946, 43: 371–8.—**Iwaszkiewicz, J.** W sprawie leczenia ostrego zapalenia ucha środkowego sulfamidami. Lek. wojsk., Edinb., 1945, 36: 147–50.—**La Rue, C. L.** Disappointing effects of sulfanilamide in the treatment of middle ear infections. Tristate M. J., 1941–42, 14: 2849.—**Latraverse, V.** Nouveau traitement de l'otite catarrhale; ponction du tympan et sulfathiazol sodique en solution. Union méd. Canada, 1941, 70: 1319–22.—**Layton, T. B.** Chemo-therapy and the middle ear cleft. Guy's Hosp. Gaz., Lond., 1941, 55: 302–4.—**Lindsay, J. W., Rice, E. C., & Selinger, M. A.** Sulfanilamide therapy with special reference to ear infections. Med. Ann. District of Columbia, 1940, 9: 115–9.—**Maier, N. R. F., & Sherburne, B. J.** An experimental study of sulfanilamide treatment for middle ear infection in the rat. J. Psychol., Provincet., 1940, 9: 387–92.—**Morrow, P. N.** Chemotherapy in otitis media and mastoiditis. Nebraska M. J., 1942, 27: 51–4.—**Pérez Brotons, N.** Sulfamidas y otitis. Medicamenta, Madr., 1947, 5: 197–205.—**Romm, S. Z.** [Streptocide in treatment of otitis] Vest. otorinolar., 1938, No. 2, 198–201.—**Schwartz, E. M.** Chemotherapy in otitis media. Ann. Otol. Rhinol., 1925–26, 34: 932–7.—**Shanks, J.** Mastoiditis, otitis media and the sulfonamides. Med. Rec., N. Y., 1941, 154: 211–4.—**Stagni, G.** Lo stato attuale della terapia sulfamidica nei processi infammatori dell'orecchio medio e nelle loro complicanze. Boll. mal. orecchio, 1943, 61: 46–66.—**Sulfanilamide** in otitis media and mastoiditis. Bull. Pract. Ophth., S. Franc., 1940, 10: 33–7

—— Treatment: Diathermy and heat.

Blumenthal, L. Ein zweckmässiges Heizkissenmodell zur Behandlung der Otitis. Med. Klin., Berl., 1928, 24: 2015.—**Hund, L. M.** The use of surgical diathermy about the mouth of the Eustachian tube for infection and catarrh of the middle ear. Med. J. & Rec., 1931, 133: 176–8.—**Rubley, S. J.** Diathermy in the treatment of otitis media. Am. J. Phys. Ther., 1926–27, 3: 305–8. Also Eye Ear &c. Month., 1926–27, 5: 522; 1933, 12: 327.

—— Treatment: Drugs.

Dinolt, R. Erfahrungen mit Syngasept in der Oto-Rhino-Laryngologie. Mschr. Ohrenh., Wien, 1938, 72: 222–4.—**Douglass, C. C.** The use of furacin in the treatment of aural infections. Laryngoscope, 1948, 58: 1274–8.—**Hamburger, H.** Ueber Mucidan-Rhenania-Behandlung. Med. Klin., Berl., 1926, 22: 855.—**Koerner, H. J.** Zur Otitis-Therapie mit Algolyt. Wien. med. Wschr., 1939, 89: 1011.—**Sternberg, H., & Goldberger, K.** Ueber die Wirkung kleiner Joddosen bei katarrhalischer Affektion des Mittelohres (vorläufige Mitteilung) Wien. klin. Wschr., 1926, 39: 594.—**Struycken, H. J. L.** Het yatreen-caseïne bij otitis media. Ned. tschr. geneesk., 1927, 71: 209.—**Wahl, R.** Turgasept in der medikamentösen

Behandlung der Mittelohrentzündungen. Med. Klin., Berl., 1938, **34**: 438.—**Wirth, E.** Untersuchungen über die wachstumshemmende, keimtötende und virulenzherabsetzende Wirkung der Borsäure auf die Erreger der akuten und chronischen Otitis media. Zschr. Hals &c. Heilk., 1926–27, **17**: 499–505.

—— Treatment: Insufflation.

Bazzana, E., & Lombardo, L. L'aerosolterapia della tromba di Eustachio e della cassa. Arch. ital. otol., 1949, **60**: 361–9.—**Corone, A.** Un nouvel appareil pour insuffiations tubo-tympaniques; expérimentation clinique avec l eau de Cauterets transportée. Ann. otolar., Par., 1935, 1330–7. ——— Aérosolthérapie de la trompe d'Eustache et de la caisse. Acta otorhinolar., Brux., 1947, **1**: 340–2.—**Dundas-Grant, J.** Two cases illustrating trans-tubal irrigation. Proc. R. Soc. M., Lond., 1923–24, **17**: Sect. Otol., 74.—**Francés.** Aportación a la técnica y al tratamiento endotubárico de los procesos inflamatorios del oído medio. An. Acad. méd. quir. españ., 1945–46, **30**: 127–33. Also Actual. méd., Granada, 1946, **32**: 248.—**Guida, G.** Alcune considerazioni sull utilità del cateterismo medicato per tubam. Cult. med. mod., Pal., 1926, **5**: 151–5.—**Jahontov, S. P.** [Methods in treatment of otitis with chlorine] Tr. Nauch. inst. fiziol., 1934, **1**: 494–6.—**Netto, O. C.** A eficácia dos gases sulfurosos no tratamento das otites. Brasil méd., 1948, **62**: 427.—**Velikorusova, N. V.** [Effect of weak concentrations of chlorine gas on the microflora of otitis media] Tr. Nauch. inst. fiziol., 1934, **1**: 449–59.

—— Treatment: Ionization.

See also subheading (suppurative: Treatment: Ionization)

QUÉNIN, P. *Ionisation dans le traitement des otites chroniques non suppurées et des acouphènes; étude comparative des différents ions. 36p. 24½cm. Par., 1939.

Caussé, R. L'ionisation du zinc dans la thérapeutique otologique. Ann. mal. oreille, 1928, **47**: 40–6.—**Karangal, Y. de.** La thermo-métallo-ionisation dans les otorrhées anciennes et quelques autres cas d'oto-rhino-laryngologie. J. méd. Paris, 1936, **56**: 79–82.—**Kimbrig, M.** A useful self-retaining electrode for zinc ionization in chronic suppurative otitis media. Arch. Otolar., Chic., 1932, **15**: 750–2.—**Landry, M.** Recherches expérimentales sur l'imprégnation ionothérapique du rocher. Acta otolar., Stockh., 1931, **16**: 73–82. ——— **Franquet & Paris.** La pénétration ionothérapique par voie transtympanique. Ann. mal. oreille, 1930, **49**: 235–41.—**Lierle, D. M., & Sage, R. A.** Underlying factors in the zinc ionization treatment of middle ear infections. Ann. Otol. Rhinol., 1932, **41**: 359–68.—**Pothoven, W. J.** [The iontokinetron] Ned. tschr. geneesk., 1939, **83**: 5416–8.—**Stevenson, H. M.** The so-called ionization treatment of otitis media; its physicochemical aspects. Ann. Otol. Rhinol., 1928, **37**: 694–710.—**Warwick, H. L., & Stevenson, H. M.** Zinc ionization as an advance in the treatment of otitis media. Texas J. M., 1925–26, **21**: 442–8.

—— Treatment, local.

Brown, E. A., & Kelemen, G. The use of glycerite of hydrogen peroxide in inflammatory aural conditions. Laryngoscope, 1946, **56**: 556–60.—**Bryant, F. L.** Local use of sulfanilamide in otogenic infections. Arch. Otolar., Chic., 1942, **35**: 281–5.—**Domide, L.** Beiträge zur lokal-therapeutischen Wirkung der Oto-Spumane und des Kamillen-Spumans und deren Anwendungsweise bei Otitiden. Wien. med. Wschr., 1943, **93**: 691.—**Helms, F.** Lokale Globucidanwendung bei Mittelohrentzündung. Zschr. Hals &c. Heilk., 1943–44, **49**: 188.—**L., C.** La glicerina fenicada en las otitis. Día méd., B. Air., 1932–33, **5**: 659.—**McLaurin, J. W.** The local application of sulfamylon in otitis externa and chronic otitis media; a preliminary report of 141 infections in 108 patients. Laryngoscope, 1948, **58**: 1201–5.—**Rohmer, P., Schneegans, E., & Wild, C.** Indications et résultats thérapeutiques des lavages d'antre à la pénicilline. Arch. fr. pédiat., 1948, **5**: 428–31.—**Zeidler, R.** Die Saugspülung, eine neue konservative Behandlung der Mittelohrentzündung. Münch. med. Wschr., 1938, **85**: 597.

—— Treatment: Methods.

Anderson, G. M. Conservative treatment of otitis media. Minnesota M., 1933, **16**: 610–2.—**Colledge, L.** The management of otitis media and sinusitis complicating the common cold. Practitioner, Lond., 1936, **136**: 33–6.—**Haiman, J. A.** Conservative treatment in otitis media chronic and acute. N. York Physician, 1940, **14**: 20; 1940–41, **15**: 20.—**Hamrick, D. W.** Management of middle ear infections. Mississippi Doctor, 1942–43, **20**: 166–9.—**Hanckel, R. W.** A suggested method of treatment for acute and chronic infections of the middle ear. J. S. Carolina M. Ass., 1944, **40**: 187–9.—**Isii, T.** Tyūzi-en sokkō kyū no siken [moxibustion ...] Kanpo & kanyaku, 1935, **2**: 1403–6.—**Jannulis, G. E.** Diätbehandlung bei Otitiden. Mschr. Ohrenh., Wien, 1940, **74**: 22–4.—**Komuki, S.** Tyūzi-en sokkō-kyū [moxibustion ...] Kanpo & kanyaku, 1935, **2**: 1266–70.—**Layton, T. B.** Posture as a therapeutic measure; with special reference to otitis media. Guy's Hosp. Gaz., Lond., 1940, **54**: 51–4.—**Mackenzie, G. W.** How do you treat middle ear catarrh? J. Ophth. Otol., 1929, **33**: 1–9.—**Madritsch.** Ueber die Wirkung parenteraler Einverleibung aseptisch gewonnener Milch bei Mittelohrentzündungen. Mschr. Ohrenh., Wien, 1924, **58**: 614–6.—**Meyer, M.** Ueber die Behandlung der Mastoiditis. Jahrb. Kinderh., 1933, 3. F., **88**: 114–8.—**Nakazima, K.** Tyūzi-en no saisin ryōhō [New treatment] Dōzin igaku, 1937, **10**: 611–4.—**O'Kane, G. H., & Bilchick, E. B.** Otitis media; new and old methods of therapy. Med. Clin. N. America, 1941, **25**: 693–701.—**Pulleine, R.** Conservatism in the treatment of middle ear disease. Med. J. Australia, 1927, **2**: suppl., 419.—**Sevket Hüsnü Taroy** [Treatment of inflammation of the middle and inner ear] Askeri sihhiye mecmuasi, 1939, **68**: No. 28, 21–7.—**Tatigi, Y.** Tyūzien no saisin tiryō-hō [the most recent developments ...] Rinsyo & kenkyu, 1949, **26**: 773–7.—**Wada, S.** Tiken-roku yori; tyūzien. [Treatment ... by means of Chinese medicine] Kanpo & kanyaku, 1936, **3**: 692–4.—**Weissenstein, G.** Zur Behandlung der Mittelohrentzündungen. Zschr. Laryng., 1926, **15**: 112–4.

—— Treatment: Radiotherapy.

Brown, J. P., Titche, L. L., & Lawson, W. E. Roentgen therapy in acute and chronic otitis media. Am. J. Roentg., 1939, **42**: 285–9.—**Chapman, F. J.** Actinic therapy in middle ear infections. J. Iowa M. Soc., 1942, **32**: 20–2.—**Fuchs, G.** Zur Strahlenbehandlung der entzündlichen Mittelohraffektionen. Strahlentherapie, 1938, **61**: 379.—**Goldmann, R.** Zur Röntgenbehandlung der akuten Entzündung der Mittelohrräume. Ibid., 1929, **33**: 152–5.—**Grande, C.** La cura delle otiti medie catarrali coi raggi roentgen. Arch. ital. otol., 1925, **36**: 197–205.—**Hollender, A. R., & Cottle, M. H.** Clinical value of artificial light in otitis media. Clin. Med., 1925, **32**: 593–601. ——— Radiant energy in the treatment of otitis media. Am. J. Phys. Ther., 1925–26, **2**: 19–24. Also Eye Ear &c. Month., 1925–26, **4**: 37–41.—**Lucinian, J. H.** Treatment of otitis media and mastoiditis by the roentgen ray; analysis of 50 consecutive cases. Am. J. Roentg., 1936, **36**: 946–53.—**Titche, L. L.** The mode of action of X-rays in otitis media. N. Orleans M. & S. J., 1939–40, **92**: 203–8. ——— **& Lawson, W. E.** Roentgen therapy in otitis media. Am. J. Roentg., 1942, **47**: 764.—**Vassallo de Mumbert, A.** El tratamiento de las otitis medias catarrales recidivantes por la aplicación nasotubárica de radium. Medicamenta, Madr., 1950, **8**: 16.—**Warner, C. F.** Roentgen rav treatment of chronic catarrhal otitis media. J. Ophth. Otol., 1925, **29**: 203–5.

—— Treatment: Sera, vaccines, etc.

Di Blasi, A. Sull'efficacia della tubercolinoterapia nelle otomastoiditi specifiche operate. Otorinolar. ital., 1936, **6**: 160–5.—**Girou, J.** Contribution à la stock-vaccinothérapie en chirurgie oto-pétro-mastoïdienne. Otorhinolar. internat., Lyon, 1923, **7**: 333–43.—**Jankowski, M.** [The use of serums and autovaccines in the treatment of otitis media] Lek. wojsk., 1928, **11**: 379–92.—**Monti, P. C.** La batteriofagoterapia nelle otiti. Terapia, Milano, 1931, **21**: 292–7.—**Nelson, J. B.** The reaction of the albino rat to the intra-aural administration of certain bacteria associated with middle ear disease. J. Exp. M., 1930, **52**: 873–83.—**Wolfkovich, M. I., & Temkin, J. S.** [Treatment of otitis media by Bezredka method] Mosk. med. J., 1926, **6**: No. 10, 21–6.

—— Tuba Eustachii.

See also **Eustachian tube**, Disease; also **Nasopharynx.**

HEIMENDINGER, E. *Otite catarrhale et trompe d'Eustache. 91p. 24cm. Strasb., 1938.

Arellano, E. R. Catarro tubárico. Vida nueva, Habana, 1941, **47**: 365–7.—**Armengaud.** L'utilisation des gaz thermaux sulfurés dans le traitement du catarrhe tubaire chronique. Presse therm. clim., 1925, **66**: 695.—**Beselin, O.** Die transtubare Infektion des gesunden Ohres. Zschr. Hals &c. Heilk., 1927, **19**: 329–44.—**Blegvad, N. R.** Tubar occlusion or catarrh of the middle ear. Acta otolar., Stockh., 1941, **29**: 178; 1942, **30**: 255.—**Caliceti, P.** Sulle cosidette otorree tubariche. Boll. mal. orecchio, 1948, **66**: 72.—**Canestrini, S.** Ueber die Behandlung des Schwindels bei Tubenkatarrh. Ars medici, Wien, 1932, **22**: 444–6.—**Conde Flores, E.** Un caso de otorrea tubaria crónica tratado por la auto-vacuna. Mem. Congr. venezol. méd. (1924) 1925, 4. Congr., pt 1, 120–3. Also Gac. méd. Caracas, 1925, **32**: 178–80.—**Cristiani, M., & Franciosi, A.** Trattamento radium del tessuto adenoideo peritubarico nella terapia delle sordità di origine tubarica e delle otiti recidivanti dell'infanzia. Otorinolar. ital., 1949, **18**: 45–65.—**Delrez, A.** Révision de la notion de l'otorrhée tubaire. Ann. otolar., Par., 1942, 133–8. Also Acta otolar., Stockh., 1943, **31**: 475–518.—**Dishoeck, H. A. E. v.** Negative pressure and loss of hearing in tubal catarrh. Ibid., 1941, **29**: 303–12.—**Dundas-Grant, J.** Chronic non-suppurative catarrh of the middle ear and Eustachian obstructive catarrh. J. Lar. Otol., Lond., 1926, **41**: 732–8.—**Eiras, F.** Um caso de surdez e de ruidos intensos do ouvido esquerdo, acompanhados de estado vertiginoso e curado com uma só sessão de catheterismo da trompa de Eustaquio. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2**: 670.—**Errecart, P. L.** Trompa de Eustaquio y oído

medio; consideraciones clínicas. Sem. méd., B. Air., 1927, **34**: pt 2, 873-6.—**Haymann, L.** Tuben- beziehungsweise Mittelohrkatarrh. Med. Klin., Berl., 1940, **36**: 1031 (Abstr.)—**Heetderks, D. R.** The relation of upper respiratory infection to the middle ear. J. Michigan M. Soc., 1929, **28**: 494-6.—**Kerangal, Y. de.** Le catarrhe rhino-salpyngo-tubo-tympanique cophogène et son traitement par les aérothermo-métallo-iono-insufflоinhalations de termions d'argent et de cuivre. Oto-rhinolar. internat., Lyon, 1938, **22**: 529-48.—**Kibata, T.** Experimentelle Untersuchung über die Pathologie der Ohrtrompete bei der Mittelohrentzündung. Okayama igakkai zassi, 1928, **40**: 1009, pl.—**Lavrand, H.** Traitement du catarrhe tubaire chronique. J. sc. méd. Lille, 1921, **39**: pt 2, 361-6.—**Maduro & Eyries.** Traitement des otorrhées tubaires. Ann. otolar., Par., 1949, **66**: 224.—**Matusima, T.** Histologische Veränderungen der Tuba Eustachii bei experimenteller Mittelohrentzündung. Fukuoka acta med., 1935, **28**: 59.—**Royet.** Sobre el sindrome, que es la consecuencia de las sínfisis salpingofaríngeas; en particular bajo el punto de vista otítico. Bol. lar. otol., Madr., 1904, **4**: 430.—**Welin, S.** On the radiological examination of the Eustachian tube in cases of chronic otitis. Acta radiol., Stockh., 1947, **28**: 95-103.—**Zöllner.** Die Ohrtrompete bei akuter und chronischer Mittelohreiterung (histologische Untersuchungen) Zschr. Hals &c. Heilk., 1933, **34**: 301-16.

—— Urogenital apparatus.

Arione, L. Due casi di otite e mastoidite bilaterale con complicanza renale; contributo casistico. Arch. ital. otol., 1929, **40**: 31-41.—**Giese, W.** Akute Mittelohrentzündung und Nierenentzündung. Arch. Ohr. &c. Heilk., 1938, **145**: 159-73.—**Hart, V. K.** Acute otitis media, acute mastoiditis and nephritis; operation under local anesthesia with complete recovery; complete tabulation of kidney functional tests before and after operation. South. M. & S., 1925, **87**: 718-21.—**Hiroto, S.** Experimentell-histopathologische Untersuchung des Gehörorgans bei Nephritis und über deren Einflüsse auf die eitrige Mittelohrentzündung. Jap. J. M. Sc., Otorhinolar., 1939-40, **3**: No. 2, Proc., 6.—**Kindler, W.** Die Beziehungen zwischen Mittelohrentzündung und Nierenerkrankung. Med. Welt, 1934, **8**: 1761. ——— Die Mittelohrentzündung als Fokalinfektion; ein Beitrag zur Frage der otogenen Nierenentzündung. Zschr. Hals &c. Heilk., 1934, **36**: 359-75.—**Kō, T.** Kyū-sei kanō-sei tyūzi-en ni gappei-seru kyū-sei zinzō-en narabi-ni syōka-huryō-syō ni tuite [combination of acute nephritis and dyspepsia with acute, suppurative otitis media] Iwate igaku gakko zassi, 1940-41, **5**: 137-43.—**Watanabe, H.** Zikken-teki tyūzien ni yoru biman-sei sikyūtai-zin-en no seisei ni tuite [development of diffuse, glomerular nephritis caused by experimental otitis media] Nagasaki igakkai zassi, 1942, **20**: 2116-30, 3 pl.—**Wolff, S.** Beitrag zur Frage der Beziehung zwischen Mittelohrentzündung und Nierenerkrankung. Med. Welt, 1935, **9**: 161.

—— vasomotor.

See also subdivision Allergy; also **Middle ear, Allergy.**

Yamada, Y. Kyū-sei tyūzien no iti ikei; kekkan-undō-sinkei-sei tyūzien ni tuite [otitis media vasomotorica] Otorhinolaryngologia, Tokyo, 1943, **16**: 83-97.—**Yamazaki, S.** Kyū-sei tyūzien no iti ikei (Otopathia vasomotoria [kamei]) Zibiinkoka rinsyo, 1940, **35**: 271-5.

—— Zygoma.

See also **Mastoiditis,** zygomatic.

Wendel, A. F. *Ueber die Beteiligung der pneumatischen Zellen des Jochbogens an der akuten Mittelohr-Entzündung und die Notwendigkeit ihrer operativen Berücksichtigung. 25p. 8° Erlangen-Bruck, 1937.

Reading, P. Zygomatic mastoiditis. Lancet, Lond., 1947, **1**: 702-4.—**Rosenwasser, H., & Druss, J. G.** Zygomatic infections as a factor in otitic complications. Arch. Otolar., Chic., 1933, **17**: 625-34.—**Sargnon.** Otite aiguë gauche, conduit auditif externe gauche très rétréci; paracentèse difficile; mastoïdite zygomatique; paralysie; cure. Ann. otolar., Par., 1935, 343-6.—**Schmidt-Hackenberg.** Karies des Jochbeins bei akuter Mittelohreiterung. Hals &c. Arzt, 1937, **28**: 232-6.

—— very acute [O. m. acutissima]

Chvojka, J. Dva případy otitis media acutissima. Cas. lék. česk., 1942, **81**: 736-9.

—— in animals.

Maillard, G. G. J. *Contribution à l'étude et au traitement des otites chez les petits animaux [Alfort] 36p. 8° Par., 1926.

Alvanos, C. S. Non-surgical treatment of canine ear infection. M. S. C. Vet., East Lansing, 1942-43, **3**: 57.—**Auchterlonie, L., & Glass, E. J. G.** Otitis media, with complications, in a horse. Vet. J., Lond., 1933, **89**: 231-3.—**Berge, F., & Cohrs, P.** Mittelohrvereiterung und Facialislähmung beim Pferde. Arch. wiss. prakt. Tierh., 1934, **68**: 295-304.—**Causse, R.** Sur l'otite chez la souris blanche. C. rend. Soc. biol., 1942, **136**: 726.—**Craig, J. F.** Middle ear suppuration or otitis media in sheep. Vet. Rec., Lond., 1931, **11**: 1039.—**Forgeot, P.** Présentation d'un lapin atteint d'otite moyenne suppurée. Ann. Inst. Pasteur, Par., 1946, **72**: 696.—**Freudenberger, C. B.** The incidence of middle-ear infection in the Wistar albino and the Long-Evans hybrid strain of the Norway rat. Anat. Rec., Phila., 1932, **54**: 179-84.—**Gilse, P. H. G. v.** [Spontaneous otitis media in a cat] Ned. tschr. geneesk., 1927, **71**: pt 2, 1694.—**Huizinga, E.** Entzündung des Mittel- und Innenohres beim Vogel. Zschr. Hals &c. Heilk., 1938, **44**: 126-35.—**Low, D. G.** Chronic otitis media in a dog. Vet. Med., Chic., 1947, **42**: 232.—**McCordock, H. A., & Congdon, C. C.** Suppurative otitis of the albino rat. Proc. Soc. Exp. Biol., N. Y., 1924-25, **22**: 150-4.—**Meyer, M.** Ueber die entzündlichen Erkrankungen des Mittelohres; zur pathologischen Anatomie spontaner und experimenteller entzündlicher Mittelohrveränderungen bei Affen mit einigen allgemeinen Vorbemerkungen über den Bau des Affenmittelohres. Zschr. Laryng., 1930-31, **20**: 89-123.—**Nashed Helmy Bastawy.** Treatment of otitis in dogs with zinc sulphophenate ($C_{12}H_{10}O_8S_2Zn$, $8H_2O$) Vet. Rec., Lond., 1948, **60**: 3.—**Wilkinson, D. E.** Chronic otitis media in the dog. Ibid., 1932, **12**: 1381.

—— in children.

See also subdivision (infantile) also the same caption under other subheadings (acute; suppurative)

Adlington, B. The treatment of otitis media in children. Med. Press & Circ., Lond., 1937, **194**: 612-6.—**Brennemann, J.** Otitis media as a pediatrician sees it. J. Am. M. Ass., 1931, **97**: 449-52.—**Campbell, G. A.** Otitis media from the paediatrician's viewpoint. Canad. M. Ass. J., 1939, **40**: 146-9.—**DeSanctis, A. G., Larkin, V. D., & Gougelman, W. A.** Otitis media and mastoiditis in children, a survey of 1,992 cases. J. Am. M. Ass., 1942, **120**: 1087-93.—**Federico Gómez, C.** Las otitis en pediatría. Gac. méd. mil., Méx., 1934-35, **2**: 43-6.—**György, E.** Die Rolle der Otitis in der Kinderheilkunde. Arch. Kinderh., 1935-36, **107**: 28-39. Also Orv. hetil., 1936, **80**: 139-42.—**Heller, G.** A statistical study of otitis media in children. J. Pediat., S. Louis, 1940, **17**: 322-30.—**Koepcke, G. M.** Otitis media in children. Eye Ear &c. Month., 1940-41, **19**: 276.—**Laskiewicz, A.** Les facteurs morphologique et constitutionnel dans les otites moyennes, aiguës et chroniques chez les enfants. Rev. laryng., Bord., 1934, **55**: 175-202. Also Zschr. Hals &c. Heilk., 1936-37, **40**: 578; Disc., 581-6.—**McWhorter, W. B.** Otitis media in children. J. S. Carolina M. Ass., 1927, **23**: 445-7.—**Mattison, E. A.** Middle ear infections in children. Med. Brief, S. Louis, 1927, **55**: 7-10.—**Pikler, L.** [Neglect of otitis media in childhood] Orvosképzés, 1934, **24**: Dec. különf. (Apponyi Festschr.) 185-8.—**Raiford, M. B.** Otitis media in children. Virginia M. Month., 1942, **69**: 385-8.—**Rietschel, H.** Afecções do ouvido, ouvido externo, trompa de Eustaquio e caixa de tímpano; otite média. Arq. pediat., Rio, 1945-46, **18**: 420-4.—**Uffenorde, W.** Klinische und pathohistologische Erfahrungen bei der Otitis media im Kindesalter. Zschr. Laryng., 1931, **21**: 308-13.—**Vandevere, W. E., & Spearman, M. P.** Otitis media in childhood. Southwest. M., 1941, **25**: 114-6.—**Voss, O.** Statistisches und Klinisches zur Otitis media im Kindesalter. Zschr. Laryng., 1931, **21**: 313-8.—**Watson-Williams, E.** Otitis media in children. Med. Press & Circ., Dubl., 1934, **188**: 8-11.—**Wicht, J. D.** Otitis media in children's diseases. S. Afr. M. J., 1935, **9**: 536.—**Ygberg, N. H.** [Blood injections in treatment of inflammatory affections of the ears in children] Sven. läk. tidn., 1935, **32**: 1762-76.—**Yosie, Y.** Syōni oyobi nyūzi no tyūzi-en no sindan oyobi tiryō [diagnosis and treatment of otitis media in infants and children] Dōzin igaku, 1936, **9**: 117-27.

MIDDLE East.

See also names of countries and towns of Southwestern Asia; also **Asia; Asia Minor; East; Mediterranean Subregion; Red Sea,** etc.; also such terms as **Arabs; Balneography; Health organization; Hospital report; Jew,** etc.

Beale, T. W. An oriental biographical dictionary. New ed. rev. & enl. by H. G. Keene. 431p. 25cm. Lond., 1894.

Behr, J. v. d. Reise nach Java, Vorder-Indien, Persien und Ceylon, 1641-50. 155p. 23cm. Haag, 1930.

Forms v.4, Reisebeschr. West & Ostind. Komp., Haag.

Saar, J. J. Reise nach Java, Banda, Ceylon und Persien, 1644-60. 195p. 23cm. Haag, 1930.

Forms v.6, Reisebeschr. West & Ostind. Komp., Haag.

Stripling, G. W. F. The Ottoman Turks and the Arabs, 1511-74. 136p. 26½cm. Urbana, Ill., 1942.

T. C. Resmî gazete. Ankara, Nos 4549–54, 1940.

United States. Army. Engineers. Turkey and parts adjacent. June, 1877. Map. 1:2,800,000. 115x65cm. Wash., 1877.

Worthington, E. B. Middle East science; a survey of subjects other than agriculture. 239p. 25cm. Lond., 1946.

In step with the Q. A.'s; Middle East, Palestine, Arabia, Iraq. Nurs. Times, Lond., 1944, **40**: 716.—**Kataev, I. A.** O nekotorykh rzhavchinnykh gribakh na zlakakh Turkmenskoi SSR. Doklady Akad. nauk SSSR, 1948, **59**: 351–3.—**Koenig, G.** Reise von Beirut nach Konstantinopel im Herbst 1915. Deut. med. Wschr., 1935, **61**: 150. Also in: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 108–11.—**Petrie, P. W. R., & Seal, K. S.** The occupation of Aden. In their Med. Surv. West. Aden, Lond., 1943, 1–3. ——— The Fadhli tribal district. Ibid., 7–18. ——— Shuqra. Ibid., 9–14. ——— The Abdali tribal district. Ibid., 18. ——— Geography of Abdali country. Ibid., 18, map. ——— Haski. Ibid., 19, map. ——— El Waht. Ibid., 26–31, map. ——— Lahej. Ibid., 32. ——— Geography of the Subeihi country. Ibid., 32, map. ——— The journey to Tor am Baha. Ibid., 32–42. ——— The journey to Khor 'Umeira. Ibid., 42–4, map. ——— Geography of the Haushabi tribal district. Ibid., 49, map. ——— Museimir. Ibid., 50–6. ——— The journey to Kirsh. Ibid., 56. ——— Kirsh. Ibid., 57–63, map. ——— El Milah. Ibid., 63–7. ——— The Amiri tribal district. Ibid., 67, map. ——— Jebel Jehaf. Ibid., 68–73. ——— Dhubiyat. Ibid., 74–6.—**Ross, E. D.** Turkestan unveiled. Proc. R. Inst. Gr. Britain, 1936, **29**: pt 2, 189–93.

—— Anthropology.

Aristov, N. A. [Ethnological relations on the Pamir and its surrounding countries according to ancient, mostly Chinese, historical data] Russ. antrop. J., 1900, **1**: No. 3, 1; passim.—**Bloch, A.** De l'origine des Turcs et en particulier des Osmanlis. Bull. Soc. anthrop. Paris, 1915, 6. ser., **6**: 158–68.—**Canaan, T.** Arab fertility and child mortality. J. Palestine Arab M. Ass., 1947–48, **3**: 25–42.—**Christian, V.** Bericht über eine archäologische Studienreise nach Vorderasien. Mitt. Anthrop. Ges. Wien, 1936, **66**: 205–20.—**Cipriani, L.** Arabi dello Yemen e dell'Higiāz. Arch. antrop. etnol., Fir., 1938, **68**: 115–77.—**Frazer, J. G.** Afghanistan. In his Native races of Asia, Lond., 1939, 287–95. ——— Syria. Ibid., 312.—**Ginsburg, V. V.** [Anthropological composition of the population of the Western Pamir according to N. V. Bogoiavlensky] Antrop. J., Moskva, 1937, No. 1, 91–114.—**Kansu, C. A.** Étude anthropologique de quelques squelettes d'Alacahöyük. Anthropologie, Par., 1937, **47**: 35–9.—**Kusnezov, N. N.** Zur Frage der vertikalen Verteilung der Faunenelemente Turkestans. Zool. Anz., 1925, **62**: 107–17.—**Maslovsky, S.** [The Galchas; ancient population of Turkestan] Russ. antrop. J., 1901, **2**: No. 2, 17–32.—**Minorsky, V.** The tribes of western Iran. J. R. Anthrop. Inst. Gr. Britain, 1945, **75**: 73–80, 3 pl.—**Morant, G. M.** A contribution to the physical anthropology of the Swat and Hunza valleys based on records collected by Sir Aurel Stein. Ibid., 1936, **66**: Jan–Jun., 19–42, 3 pl.—**Müller, G.** Sprachen und Rassen in Afghanistan. Zschr. Ethnol. (1939) 1940, **71**: 219–29.—**Müller, L. R.** Beitrag zur Psychologie der Türken. Verh. Phys. med. Ges. Würzburg, 1918, n. F., **45**: 111–34.—**Shanklin, W. M.** Polynuclear count of the Alouites. Tr. R. Soc. Trop M. Hyg., Lond., 1936–37, **30**: 173–8. ——— Anthropometry of Syrian males. J. R. Anthrop. Inst. Gr. Britain, 1938, **68**: 379–414, 7 pl. ——— Anthropology of the Arab Bedouin. Am. J. Phys. Anthrop., 1946, **4**: 260.—**Szpidbaum, H.** Die Samaritaner. Mitt. Anthrop. Ges. Wien, 1927, **57**: 139–58.—**Timmermans, I.** De Irakse vrouw en haar leven. Stethoscoop, Paramaribo, 1948–49, 5: No. 61, 16–9.—**Tuppa, K.** Anthropologische Untersuchungen an kriegsgefangenen Tipteren. Verh. Deut. Ges. Rassenforsch., 1938, **9**: 141–4.—**Yarho, A. I.** [Gandsha Turks Aserbaidzhan ASSR] Antrop. J., Moskva, 1932, No. 2, 49–83. ——— [Brief review of anthropological study of the Turkish peoples in S. S. S. R. during the last ten years] Ibid., 1937, 46–64.

—— Civilization and culture.

See also subheading Medicine; also such terms as **Babylonia and Assyria; Islam,** etc.

Carleton, P. Buried Empires; the earliest civilization of the Middle East. 290p. 22cm. N. Y., 1939.

Patai, R. On culture contact and its working in modern Palestine. 48p. 24½cm. Menasha, 1947.

Rodale, J. I. The healthy Hunzas. 263p. 23½cm. Emmaus, Pa., 1948.

Abul-Hassan Sassani. The development of the control of education in Iran. Microfilm Abstr. Doct. Diss., 1941, **3**: 13.—**Amira, B.** Les relations culturelles entre Israël et les nations. Rev. hist. méd. hébr., Par., 1948, No. 2, 33–9.—**Amschler, J. W.** Die Knochenfunde aus dem Königshügel Shah Tepé, in Nordiran. Forsch. & Fortsch., 1939, **15**: 115.—**Bircher, R.** Die Hunsa. Wendepunkt, Zür., 1939–40, **17**: 90; 131. ——— Aus dem Leben des Hunsa-Volkes. Ibid., 1940–41, **18**: 19; passim, 8 pl.—**Budge, E. A. W.** Arab and Persian amulets and talismans. In his Amulets & Superstit., Lond., 1930, 33–81, incl. 9 pl. ——— Syriac amulets. Ibid., 272–82.—**Eberhard, W.** Kulturtypen im alten Turkestan. Forsch. & Fortsch., 1941, **17**: 129–31.—**Glueck, N.** The excavations of Solomon's seaport, Ezion-geber. Annual Rep. Smithson. Inst. (1941) 1942, 453–78, 14 pl.—**Hamilton, R. A. B.** A greeting ceremony in the Aden Protectorate. Man, Lond., 1942, **42**: 88–90.—**Henninger, J.** Fell- und Lederkleidung in Arabien. Internat. Arch. Ethnogr., Leiden, 1941–42, **40**: 41–50.—**Keith, A.** Prehistoric people of Mount Carmel. Brit. M. J., 1938, **1**: 390.—**Kelso, J. L., & Thorley, J. P.** Palestinian pottery in Bible times. Annual Rep. Smithson. Inst. (1946) 1947, 361–71, 3 pl.—**Lentz, W.** Ueber einige Fragen der materiellen Kultur von Nuristan. Zschr. Ethnol., 1937–38, **69**: 277–306.—**Leslau, W.** Bibliography of the modern South Arabic languages. Bull. N. York Pub. Libr., 1946, **50**: 607–9.—**MacCurdy, G. G.** Prehistoric man in Palestine. Proc. Am. Philos. Soc., 1936, **76**: 523–41, 16 pl.—**McGuire, B.** Arab life in Syria, through the eyes of a private. J. R. Army Vet. Corps, 1943–44, **15**: 13–5.—**Mecquenem, R. de.** Fouilles préhistoriques eu Asie occidentale, 1934–37. Anthropologie, Par., 1938, **48**: 55–71.—**North** Syria as a cultural link in the ancient world. Nature, Lond., 1943, **151**: 144.—**Petrie, P. W. R., & Seal, K. S.** Charcoal burning [El Milah] In their Med. Surv. West. Aden, Lond., 1943, 67. ——— The cereals. Ibid., 105. ——— The seasonal varieties, the storing and the preparation of grain. Ibid., 106. ——— Chewing of the qat leaf. Ibid., 109–11. ——— Kaif. Ibid., 110.—**Risdon, D. L.** A study of the cranial and other human remains from Palestine excavated at Tell Duweir (Lachish) by the Wellcome-Marston archaeological research expedition. Biometrika, Cambr., 1939, **31**: 99–166, 6 tab., 23 pl.—**Rutten, M.** Les emblèmes géométriques dans la civilisation ancienne du Moyen-Orient. Rev. hist. sc., Par., 1948–49, **2**: 333–9.—**Sandrock.** Bei dem Vahli von Puscht-i-Kuh. Deut. med. Wschr., 1935, **61**: 1525–30. Also in: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 92–107.—**Schaeder, H. H.** Der Alte Orient und die Völker des Nordens. Forsch. & Fortsch., 1937, **13**: 31.—**Shalem, N.** Nota preliminare su alcuni nuovi giacimenti preistorici in Palestina. Arch. antrop. etnol., Fir., 1937, **67**: 123–39.—**Stchépinsky, V.** Paléobiogéographie de la Turquie. Rev. sc., Par., 1947, **85**: 716–24.—**Vallois, H. V.** Les ossements natoufiens d'Erq-el-Ahmar (Palestine) Anthropologie, Par., 1936, **46**: 529–39.—**Vaufrey, R.** Paléolithique et mésolithique palestiniens. Rev. sc., Par., 1939, **77**: 390–406.—**Vinchon, J.** Le culte du feu et les guèbres de Perse. Mém. Soc. fr. hist. méd., 1947, **3**: 38–40.—**Woolley, L.** North Syria as a cultural link in the ancient world. J. R. Anthrop. Inst. Gr. Britain, 1942, **72**: 9–18.

—— Diseases.

See also under specific names of diseases as **Leishmaniasis; Leprosy; Malariography; Middle-east granuloma; Schistosomosis,** etc.

Schneller, P. Die Krankheiten Palästinas und ihre Bekämpfungsmöglichkeiten. 96p. 8° Hannover, 1923.

Abourousse, S. A propos de l'amibiase au Liban; réflexions sur quelques erreurs de diagnostic. Sem. hôp., Par., 1948, **24**: 2477–9.—**Advier, M.** The intestinal parasites in Lebanon. Med. News Bull., Beirut, 1948, **1**: No. 4, 21–30. ——— & **Abdo, R.** La rage au Liban. Sem. hôp., Par., 1948, **24**: 2489–92.—**Armin, K.** L'étude histologique de 100 cas de lymphogranulomatose maligne en Iran. Rev. Fac. méd., Teheran, 1949, **7**: 1.—**Aysoy, S.** L'action du climat d'Ankara sur le développement des animaux chèvres, chats, lapins d'Ankara. Rev. path. comp., Par., 1947, **47**: 170–5.—**Bab, W.** Augenuntersuchungen bei Anwärtern auf ein Palästina-Zertifikat in Deutschland. Fol. ophth. orient., 1936, **2**: 344–8.—**Balcet, C.** La patologia oculare in Transgiordania. Arch. ital. sc. med. col., 1942, **23**: 373–82.—**Basiliou, B. J.** Contribution à l'étude clinique, psychiâtrique et thérapeutique des empoisonnements par le gardenal et la série barbiturique au Liban. Rev. sc. méd. fr. Moyen Orient, 1943, **2**: 387–9.—**Beklemishev, V., & Shipicina, N.** Nakhozhdenie Anopheles marteri v severo-zapadnom Irane. Med. parazit., Moskva, 1947, **16**: 66.—**Bloomberg, B. M.** Clinico-pathological aspects of disease in the Middle East. Leech, Johannesb., 1944, **15**: No. 2, 25–8.—**Braham, G. N.** Hydatid disease in Iraq. J. R. Fac. Med. Iraq, 1943, **7**: 19–21.—**Brémond.** Quatorze cas de fièvres récurrentes à tiques observés dans le Hauran. Rev. sc. méd. fr. Moyen Orient, 1942–43, **1**: 215.—**Canaan.** L'amibiase en Palestine. Rev. méd. fr. Moyen-Orient, 1943–44, **2**: 22–8.—**Ciaudo, D., Maroun, T.** [et al.] Le goître au Liban. Sem. hôp., Par., 1948, **24**: 2502–7.—**Cook, A. T., & Marmion, D. E.** Chloromycetin in the treatment of typhoid fever; 14 cases treated in the Middle East. Lancet, Lond., 1949, 2: 975–9.—**Delpy, L. P.** Nouvelles recherches sur la theileriose bovine pathogène en Iran. Arch. Inst. Hessarek, 1947, No. 5, 14–32. ——— & **Kaweh, M.** Existence de la brucellose en Iran; isolement de Brucella abortus. Ibid., 1946, **2**: 55–9.—**Delpy,**

L. P., & Rafyi, A. La trypanosomiase du dromadaire en Iran; étude expérimentale de Trypanosoma evansi, Steel 1885. Ibid., 1947, No. 5, 33–50, 2 pl.—**Dostrowsky, A.** Some endemic skin diseases in Palestine. Deliber. Congr. derm. internat. (1935) 1935–37, 9. Congr., 2: 606–10.—**Eckstein, A.** Nos études sur 39 cas de noma observés à Ankara. Arch. balkan. méd. chir., Par., 1939, 1: 186–92.—**Edge, P. G.** Palestine, 1939. Trop. Dis. Bull., Lond., 1946, 43: Suppl., 102–5. ——— Aden, 1939. Ibid., 127–9.—**Epidemics** in the agricultural districts [Palestine letter] J. Am. M. Ass., 1944, 126: 783.—**Erikson, E. V.** [Nervous and mental diseases in Turkestan] Nevr. vestn., Kazan, 1914, 21: 523–98.—**Falk, W.** Have contagious diseases in Palestine a specific course and character? Harefuah, Tel Aviv, 1943, 24: 55.—**Fischel, M.** Errors and faults in diagnosis and treatment of infectious diseases in Israel. Hebrew M. J., N. Y., 1949, 1: 151–60.—**Fischer, L.** Aerztliche Erfahrungen in Afghanistan, zugleich ein Beitrag zur Krankheitsgeographie Mittelasiens. Deut. tropenmed. Zschr., 1944, 48: 209–44.—**Fruchaud, H., Aris** [et al.] L'ulcère duodénal au Liban et en Syrie. Sem. hôp., Par., 1948, 24: 2480–7.—**Glass, J.** Bruceloza wśród uchodźctwa polskiego w Teheranie w latach 1942–45. Lek. wojsk., Edinb., 1946, 37: 102–10.—**Goor, S.** Cattle plague in the Middle East; history, spread and distribution [Hebrew text] Refuah vet., 1948, 5: 43–50.—**Habibi, M.** Contribution à l'étude de Rhinosporidium seeberi; description de 15 cas observés en Iran. Rev. sc. méd. fr. Moyen Orient, 1943, 2: 513–28, 2 pl.—**Herold, B.** Medizinisches aus Afghanistan. Fortsch. Med., 1927, 45: 136.—**Houot, A.** Quelques remarques au sujet de la pathologie chirurgicale au Djebel Druze. Rev. sc. méd. fr. Moyen Orient, 1943, 2: 473–83. ——— & **Giraud-Costa.** Etude clinique de cinq cas de fièvre recurrente observés dans le Djebel Druze. Ibid., 1942–43, 1: 216.—**Hudson, E. H., & Young, A. L.** Medical and surgical practice on the Euphrates River; an analysis of 2,000 consecutive cases at Deir-ez-zor, Syria. Am. J. Trop. M., 1931, 11: 297–310.—**Jablonski, W.** Augenärztliche Eindrücke im Orient. Ophthalmologica, Basel, 1946, 112: 39–46.—**Jakimov, V. L.** [Brief notes on the expedition for the study of tropical diseases of men and animals in Turkestan in 1913] Vest. Obshch. vet., 1914, 26: 1–0.—**Jébéjian, R.** Le problème des infections conjonctivales en Syrie. Rev. internat. trachome, 1948, 25: 263–70.—**Kahn, W.** Ueber Erschöpfungszustände unter dem Einfluss des Sommerklimas in Palästina. Schweiz. med. Wschr., 1939, 69: 343–5.—**Kalandadze, L. P., & Kaviladze, O. P.** Materialy k izucheniiu krovososushchikh komarov zapadnoi chasti Iranskogo Azerbaidzhana. Med. parazit., Moskva, 1947, 16: 57–65.—**Khoury, E., & Abirached, J.** La filariose au Liban. Sem. hôp., Par., 1948, 24: 2487–9.—**Klopstock, A.** Typhus, typhoid and paratyphoid in Palestine. Med. Leaves, 1939, 83–90.—**Lederer, R.** A new form of acute haemolytic anaemia, Baghdad spring anaemia. Tr. R. Soc. Trop. M. Hyg., Lond., 1940–41, 34: 387–94.—**Leffkowitz, M.** The course of contagious diseases in Palestine and abroad. Harefuah, Tel Aviv, 1943, 24: 60.—**Lichtwardt, H. A.** Leprosy in Iran; a brief survey and statistical review of 520 cases. Leper Q., Shanghai, 1940, 14: 12–8.—**McRobert, G. R.** East of Suez. Brit. M. J., 1945, 2: 128.—**Maner, R. H.** Ordu aşi hazirlama evi ve mesaisi hakkinda (bir hulâsa) Askeri sihhiye mecmuasi, 1946, 75: No. 46, 22–4.—**Marchionini.** Hautkrankheiten des Orients. Zschr. Haut & Geschlkr., 1950, 8: 118.—**Mauric, G., Merab, A.** [et al.] L'ankylostomiase au Liban. Sem. hôp., Par., 1948, 24: 2508–11.—**Melchior, E.** Chirurgisches aus der Türkei. Ars medici, Basel, 1946, 36: 675–80.—**Petrie, P. W. R., & Seal, K. S.** The examination of the people; Zanzibar and Museimir. In their Med. Surv. West. Aden, Lond., 1943, 15. ——— The Haski survey. Ibid., 20–3. ——— Signs suggesting dietetic deficiencies [Subeihi] Ibid., 36. ——— Evidences of bilharziasis [Subeihi] Ibid., 38. ——— Special investigations regarding bilharziasis [Museimir] Ibid., 56. ——— Special investigations re bilharziasis [Jebel Jchaf] Ibid., 73. ——— Map of malarial areas visited. Ibid., opp. p. 79. ——— Yemen ulcer. Ibid., 87. ——— Bahaq and bashash [Microsporon minutissimum] Ibid., 88. ——— Blue skin disease. Ibid., 88. ——— Bejel. Ibid., 95. ——— Bilharziasis in South Arabia. Ibid., 153.—**Poursines, Y., Lys, P., & Brounst, G.** Essai d'appréciation de l'importance quantitative du parasitisme amibien intestinal à Beyrouth. Méd. trop., Marseille, 1943, 3: 222–5.—**Poursines, Y., & Maroun, T.** Données histologiques sur un processus mycosique, rencontré au Liban, n'appartenant pas aux formes classiques. Sem. hôp., Par., 1948, 24: 2498–500.—**Pouya, Y.** La kala-azar en Iran. Rev. Fac. méd., Teheran, 1949, 7: 11–4.—**Rafyi, A.** Sur la fièvre récurrente sporadique en Iran; étude expérimentale de Spirochaeta persica. Arch. Inst. Hessarek, 1946, 2: 37–42.—**Reitler, R., & Kott, J.** Erschöpfungszustände bei Einwanderern in Palästina. Arch. Schiffs Tropenhyg., 1930, 34: 42–50.—**Rizk, E. A.** Faune parasitologique intestinale au Liban; étude de 6,100 analyses coprologiques. Rev. méd. Moyen Orient, 1945–46, 4: 480–90.—**Rousselot, R.** Parasites du sang de divers animaux de la region de Téhéran. Arch. Inst. Hessarek, 1947, No. 5, 62–72, 2 pl. ——— & **Duvoion-Rafin, S.** Sur une souche de spirochètes isolée d'une gerbille iranienne, Tatera indica. Bull. Soc. path. exot., Par., 1948, 41: 458–63.—**Russell, P. F.** Some remarks about malaria. Rev. Fac. méd., Teheran, 1949, 6: No. 9, 17–26.—**Saad, B.** La dengue au Liban. Sem. hôp., Par., 1948, 24: 2496–8.—**Sadoughi, G.** La conjonctivite trachomateuse en Iran. Rev. internat. trachome, 1948, 25: 204–6.—**Sautet, J.** Faible immunité produite par le spirochète de la fièvre récurrente libano-syrienne. Méd. trop., Marseille, 1942, 2: 724.—**Scrocca, P.** La malaria nell'Iran. Rass. internaz. clin. ter., 1941, 22: 782–4.—**Seferian, V., & Mamo, A.** Un cas de bilharziose vésico-rectale en Djézireh, Syrie. Bull. Soc. path. exot., Par., 1948, 41: 487–90. Also Rev. méd. Moyen Orient, 1948, 5: 349–52.—**Seide, J.** The geographical pathology of Palestine. Hebrew M. J., N. Y., 1942, 2: 149–61.—**Silberstein, S.** [The dermatological physiognomy of Palestine] Harefuah, Tel Aviv, 1944, 27: 63–6.—**Sondag, A. V. A.** Notes sur la pathologie syrienne. Arch. méd. pharm. mil., 1930, 93: 493–513.—**Stékoulis, C.** Esquisse sur la peste bubonique en Turquie pendant les 5 dernières années 1897–1902. C. rend. Congr. égypt. méd. (1902) 1904, 1. Congr., 1: 256–61.—**Süheyl Unver, A.** Le folklore dermatologique en Turquie. Deliber. Congr. derm. internat. (1935) 1935–37, 9. Congr., 2: 800–6.—**Witri, H.** Some facts about the incidence of diseases in Iraq. J. Palestine Arab M. Ass., 1946, 1: 48–51.—**Worthington, E. B.** Human diseases. In his Middle East Sc., Lond., 1946, 140–58. ——— Diseases of the environment. Ibid., 142–50. ——— Diseases of insanitary conditions. Ibid., 150–6.

—— Health and sanitation.

See also **Health organization** and its subdivisions.

CANAAN, T. The hygienic and sanitary conditions of the Arabs of Palestine. 15p. 24½cm. Jerusalem, 1946.

PETRIE, P. W. R., & SEAL, K. S. A medical survey of the Western Aden Protectorate, 1939–40. 167p. 32½cm. Lond., 1943.

WRENCH, G. T. The wheel of health. 147p. 22cm. Lond., 1941.

Ashkenazi, T. Hygiene and sanitation among the Bedouins in Palestine. Hebrew M. J., N. Y., 1946, 1: 146–9.—**Asim Arar.** L'hygiène rurale en Turquie. In: Probl. san. pop. rurale România, Bucur., 1940, 1045–51.—**Baruch, H.** Hygiène et médecine hébraïques en Palestine. Rev. hist. méd. hébr., Par., 1948, 42–59.—**Baruch, J. Z.** De zorg voor de volksgezondheid in Palestina. Ned. tschr. geneesk., 1947, 91: 393.—**Bodenheimer, F. S.** Bemerkungen zur Biogeographie Palästinas. Fol. med. int. orient., 1932–35, 1: 268–74.—**Braunert.** In türkischen Bergwerken. Deut. med. Wschr., 1935, 61: 926.—**Canaan, T.** Die hygienischen und sanitären Verhältnisse Palästinas vor dem Kriege. Fol. med. int. orient., 1932–35, 1: 300–7. ——— & **Karam, A.** Statistical record of medical and hygienic progress in Palestine. J. Palestine Arab M. Ass., 1946–47, 2: 170–4.—**Charooz, Y.** Public health in Syria. Publ. Health Nurs., 1935, 27: 90–3.—**Collins, R. K.** Observations on public health in Turkey. Johns Hopkins Alumni Mag., 1938, 27: 4–8.—**Cudmore, S. A.** Vital statistics and public health in Palestine. Nat. Health Rev., Ottawa, 1941, 9: 81–90.—**Dreizin, S. A.** Nekotorye osobennosti pitevogo vodosnabzheniia v Severnom Irane. Hig. & san., Moskva, 1948, 13: No. 3, 49–51.—**Earle, W.** One aspect of Palestine. Pub. Health, Johannesb., 1946, 10: No. 10, 7, illust.—**Emirate** of Trans-Jordan [medical and sanitary reports, 1934–38] Trop. Dis. Bull., Lond., 1936, 33: Suppl., 109; passim.—**Fischer, L.** Afghanischer Brief. Zschr. ärztl. Fortbild., 1939, 36: 724–7.—**Gotschlich, E.** Jahreszeit, Witterung und Sterblichkeit in Ankara 1937–39. Arch. Hyg., Münch., 1941–42, 127: 179–211, incl. 4 pl.—**Greene, P. F.** Mohammedanism in Turkey, with special references to health. Phi Beta Pi Q., 1929–30, 26: 135–50.—**Hardy, E.** Hygiene in Palestine. Lancet, Lond., 1948, 2: 470.—**Health** of Palestine. Nature, Lond., 1942, 149: 19.—**Hoover, A. R.** Conquered by dirt and disease; Turkey's appeal to American sanitary and medical aid. Survey, N. Y., 1917–18, 38: 467–72.—**Hygiène** rurale en Turquie. Tr. Sem. méd. balkan., 1935, 3. Congr., 38–42.—**Kleeberg, J.** Untersuchungen über den Einfluss des Klimas der Jordan-Senke (Totes Meer) auf Gesunde. Fol. med. int. orient., 1932–35, 1: 274–82.—**Lewis, T. P.** Health, physical education, and recreation in Lebanon and the Near East. J. Am. Ass. Health, 1949, 20: 159–61.—**Medical** survey of Aden, 1933. Ind. M. Gaz., 1934, 69: 594–6.—**Mendelsohn, I. W.** Sanitation in the Holy Land. Am. J. Pub. Health, 1935, 25: 989–1000.—**Meyer, J.** Health problems of Palestine. In: Med. Leaves (J. C. Beck) Chic., 1937, 133–6.—**Mundlak, A.** The health of the Yishuv's young generation. Hebrew M. J., N. Y., 1947, 1: 171–5.—**Noir, J.** La santé publique dans les états du Levant sous le mandat français. Concours méd., 1945, 67: 889–91.—**Oberling, C.** Certain aspects of public health in Persia. Proc. N. York Ass. Pub. Health Laborat., 1942, 22: 37–9.—**Palestine.** Lancet, Lond., 1943, 1: 535.—**Palestine** [medical and sanitary reports, 1929–38] Trop. Dis. Bull., Lond., 1931, 28: Suppl., 34; passim.—**[Palestine]** report of the health department. J. Am. M. Ass., 1942, 119: 578.—**Petrie, P. W. R., & Seal, K. S.** Housing; Shuqra. In their Med. Surv. West. Aden, Lond., 1943, 14. ——— Teeth and gums [Khor 'Umeira] Ibid., 45. ——— Nutrition, Khor 'Umeira. Ibid., 47. ——— Dry refuse. Ibid., 99. ——— Human excreta. Ibid., 99–102, illust. ——— Housing. Ibid., 102–5. ——— Report on visit to Lahej. Ibid., 149–51.—**Public** health of Palestine in peace and war. Health

Off., Wash., 1939, 3: 349.—**Rapport** de la mission chargée par le Conseil supérieure de santé de Constantinople d'étudier la défense sanitaire de la partie septentrionale de la frontière turco-persane [Extrait] Bull. Off. internat. hyg. pub., Par., 1912, 4: 643–58.—**Rodale, J. I.** The food of the Hunzas. In his Healthy Hunzas, Emmaus, 1948, 168–97.—**Saba, M.** Inspection des viandes et abattoirs en Syrie. Rec. méd. vét. exot., 1936, 9: 70; 102.—**Sabri Baki Ersoy** [On the improvement of living conditions in the southern provinces] Askeri tibbi baytari mecmuasi, 1937, 14: 307–15.—**Santé** (La) publique et l'assistance sociale en Turquie. Bull. Hyg., Lond., 1942, 17: 671 (Abstr.)—**Seide, J.** [The public hospitals in the post-war period] Harefuah, Tel Aviv, 1944, 26: 166–70.—**Trans-Jordan** [medical and sanitary reports, 1929–33] Trop. Dis. Bull., Lond., 1931, 28: Suppl., 37; passim.—**Tugan, B.** Health organization in Turkey. Brit. M. J., 1944, 1: Suppl., 137. Also Canad. Doctor, 1944, 10: No. 11, 34–40.—**Vine, J. M.** Public health in Turkey. Newslett. Massachusetts Dep. Pub. Health, 1949, 19: 49–51.—**Ward, E. S. J.** Synopsis of the sanitary situation of lower Palestine. Med. Rev. of Rev., 1919, 25: 337–40.—**Water** supply in Palestine. J. Am. M. Ass., 1919, 73: 341.—**Worthington, E. B.** Injurious practices. In his Middle East Sc., Lond., 1946, 157.

—— Medical care, and facilities.

Iran. Conseil sanitaire de l'empire de Perse. Procès-verbal. Teheran, 98., 1912–; [2. ser.] 1., 1921– .

Palestine. Department of Health. Annual report. Jerusalem (1921) 1922–

[Palestine] Hadassah Medical Organization. Twenty years of medical service to Palestine, 1918–38. 223p.; 151p. 24cm. [Palestine] 1939.

Turkey. Direction Générale de la Presse. La santé publique et l'assistance sociale en Turquie. 100p. 24cm. Ankara, 1941.

Turkey. Sağlik ve sosyal yardim bakanlik. Dergisi. Istanbul, v.19, 1945–

—— Saglik ve sosyal yardım bakanlığının 25 yıllık çalışmaları. 118p. 24cm. Istanbul, 1948.

Walden, R. [née Rozenblum] *L'assistance médico-sociale en Palestine. 65p. 8° Par., 1937.

Witry, H. al. Health services in Iraq. 29p. 18cm. Jerusalem, 1944.

Amitin-Shapiro, Z. L. [Popular medicine of the native (Bokharan) Jews in Turkestan] Biull. Sredne Asiat. Gosud. Univ., Tashkent, 1926, 13: 1–17.—**Appreciation** from surgeon and matron of Red Cross service in the Middle East. Austral. J. Dent., 1942, 46: 100–2.—**Assim Arar.** The Turkish Red Crescent. Month. Bull. League Red Cross Soc., 1935, 16: No. 12 [223]—**Bluestone, E. M.** The humorous side of medical life in Palestine. Hebrew M. J., N. Y., 1945, 1: 153.—**Buscaglione, C.** I nuovi ospedali chirurgici di Roci, Tripoli, del Libano e Haifa in Palestina. Osp. maggiore, Milano, 1934, 22: 111–21.—**Cecil, G.** Dentistry in Afghanistan. Oral Health, Toronto, 1928, 18: 420–3. —— Afghan dentistry. Dent. Student, 1931–32, 10: No. 2, 16, &c.—**Cottard.** La chirurgie française en Syrie; 6 ans de pratique chirurgicale à Beyrouth. Séances Congr. fr. Syrie, 1. Congr., 1919, Sect. méd., 95–8.—**Etessami, S.** Le marché pharmaceutique en Iran. Libre pharm., Par., 1948, 5: No. 37, 7.—**Fischer, L.** Beitrag zur Kenntnis der afghanischen Volkschilkunde. Deut. tropenmed. Zschr., 1943, 47: 346–54.—**Goldwasser, M.** Medical care in Palestine as observed on a recent visit. Ann. West. M. & S., 1948, 2: 368–72. —— The status of the medical profession in the new state of Israel. Med. Woman J., 1949, 56: No. 7, 36.—**Greene, P. F.** Medical practices in Turkey. Phi Beta Pi Q., 1928–29, 25: 216–23.—**Griscom, M.** The medical situation for women in Persia, India and China. Tr. Alumnae Ass. Woman's M. Coll. Pennsylvania, 1920, 45: 79–86.—**Huffman, A. V.** Public welfare in Afghanistan and existing theories of philanthropy; social amelioration limited to most primitive of levels. Welf. Bull., Springf., 1944, 35: No. 2, 7.—**Hussameddin.** L'hôpital dans l'ensemble de l'action hygiénique et sanitaire en Turquie. Nosokomeion, Stuttg., 1932, 3: 36–45.—**M., J. M.** Nursing in Transjordan. Nurs. Times, Lond., 1939, 35: 562–4.—**Marcus, E.** Medicine in Israel; prewar, military, postwar. Q. Chicago M. School, 1949–50, 11: 17–21.—**Medical** progress in Palestine. J. Am. M. Ass., 1938, 111: 1485.—**Melchior, E.** Zur Chirurgie Anatoliens. Schweiz. med. Wschr., 1941, 71: 1065–71.—**Nesterovski, I.** Yest li v Palestinie podkhodyashchiya miesta dlya klimaticheskago liecheniya? Yevr. med. golos, Odessa, 1909, 2: 29–32.—**Nursing** in Persia. Pacific Coast J. Nurs., 1943, 39: 310–2.—**Nuzhet-Tchévik.** Etat actuel des hôpitaux en Turquie. Nosokomeion, Stuttg., 1936, 7: 49–52.—**Orr-Ewing, H. J.** Medical practice in Palestine. Bristol Med. Chir. J., 1934, 51: 163–72. —— Medical work in Palestine. Med. Press & Circ., Lond., 1942, 207: 191–3.—**Palestine;** health insurance. Lancet, Lond., 1943, 2: 194.—**Palestine;** too many doctors. Ibid., 1942, 1: 363.—**Petrie, P. W. R., & Seal, K. S.** Medical experience in South Arabia. In their Med. Surv. West. Aden, Lond., 1943, 3. —— Medical services in the Western Aden Protectorate; history. Ibid., 123–33. —— Dhala', Amiri [medical services] Ibid., 126. —— Shuqra, Fadhli [medical services] Ibid., 126. —— [Self supporting medical services within each tribal area] Ibid., 126. —— Health training centre. Ibid., 129–32. —— The tribal health centres. Ibid., 132. —— Medical services in the Western Aden Protectorate; syllabus used at K. F. Hospital Sheikh Othman. Ibid., 157–9. —— Medical training depot, Buroa; synopsis of curriculum. Ibid., 161–3. —— Proposed health and medical training centre, Dhala'. Ibid., 165.—**Plashkes, Z. J.** The first native Palestinian physicians. Hebrew M. J., N. Y., 1949, 1: 132–4.—**Rab, E. A.** L'Hôpital Français de la Sainte-Famille et l'assistance médicale indigène en Palestine. Presse méd., 1908, 16: 345–7.—**Rogers, D. M.** The country doctor in Turkey. J. Connecticut M. Soc., 1938, 2: 277–9.—**Ryle, J. C.** Levantine therapeutics. S. Barth. Hosp. J. War Bull., Lond., 1940–41, 2: 116.—**Shapiro, L.** O Palestinskikh kurortakh. Yevr. med. golos, Odessa, 1909, 2: 61–76.—**Stuart, G.** Government health services in Palestine. Fol. med. int. orient., 1932–35, 1: 308–12.—**Süheyl, A.** Sur l'histoire des hôpitaux en Turquie du Moyen Age jusqu'au XVII. siècle. Programme Congr. internat. hist. méd., 1932, 9. Congr., 71. —— About the history of the leproseries in Turkey. In: Neuburger Festschr., Wien, 1948, 447–50, illust.—**Syrian** adventure. Nurs. Times, Lond., 1942, 38: 355.—**Tevfik Saglam.** Iç hastaliklari Kliniği acis dersi Yarinki Türk Hekimi. Anadolu klin., Istanbul, 1943, 10: 31–5.—**Twenty** years of British medical service in Palestine. J. Am. M. Ass., 1941, 116: 643.—**Unver, A. S.** La médecine en Turquie. Tr. Sem. méd. balkan., 1935, 3. Congr., 82–5.—**Visits** to surgical clinics at home and abroad; Altounyan of Aleppo. Brit. J. Surg., 1938–39, 26: 412–7.—**Wulman, L.** Medical life in Israel. Am. OSE Rev., 1949, 6: 40–51.

—— Medicine and science.

Budge, E. A. W. Syrian anatomy, pathology and therapeutics; or, the Book of medicines. 2v. 612p; 804p. 8° Lond., 1913.

Fichtner, H. Die medizin im Avesta. 54p. 24cm. Lpz., 1924.

Job, of Edessa [Ayyūb ar-Ruhāwi] Encyclopaedia of philosophical and natural sciences as taught in Baghdad about A. D. 817; or, Book of treasures. 470p. 24½cm. Cambr., 1935.

Lundberg, K. U. G. Ur antikens och orientens medicin. 271p. 24cm. Lund, 1948.

Pardo. Sur l'état de la médecine légale en Turquie. 19p. 8° Par., 1876.
Also Union méd., Par., 1876.

Adnan, A. Sur le Tanksukname-i-Ilhani der ulum-u-fununi-Khatai. Isis, Bruges, 1947, 32: 44–7.—**Aḥmad Sámk al-Háldí al-Qursí.** Buhár sittánát Falestín wal-qáhira; fí'l-gurún al-Bábir. J. Palestine Arab. M. Ass., 1946, 1: 98–100.—**Aksel, H. A.** History of medicine in Turkey. Brit. M. J., 1944, 2: Suppl., 79.—**Altounyan, A. A.** Pioneer surgery in Syria. J. Internat. Coll. Surgeons, 1939, 2: 245–8.—**Audy, J. R.** Letter from the Middle East. Guy's Hosp. Gaz., Lond., 1942, 56: 109–12.—**Auerbach.** Aerztliches aus dem türkischen Orient. Deut. med. Wschr., 1916, 42: 989.—**Baruk, H.** Hygiène et médicine hébraïques en Palestine. Rev. hist. méd. hébr., Par., 1948, 42–59.—**Başar, Z.** Türk tıp tarihi ve tarihte tıbbiyeli. Sağlık dergisi, 1948, 22: 385–400.—**Creutz, R.** Die Medizin der Alt-Aegypter, Alt-Mesopotamier und Inder. Med. Welt, 1940, 14: 774–7.—**Della Vida, G. L.** Pre-Islamic Arabia. In: Arab Heritage (Faris, N. A., ed.) Princet., 1944, 25–57.—**Diepgen, P.** La medicina en el antiguo Oriente. In his Hist. de la med., 2. ed. españ., Barc., 1932, 6–27.—**Düring, v.** Aerztliche Kulturaufgaben in der Türkei. Arch. Schiffs Tropenhyg., 1916, 20: 73–90. Also Deut. med. Wschr., 1916, 42: 405.—**Eccles, R. G.** Things medical in Turkey. Med. Fortnightly, S. Louis, 1907, 32: 369–73.—**Einhorn, M.** Impression of my flying trip to Palestine. Hebrew M. J., N. Y., 1946, 1: 149–84.—**Engelen, P.** Medizinische Berichte aus alten östlichen Kulturen. Med. Welt, 1939, 13: 855.—**Ferrari, A.** Medici europei nell'Impero ottomano ai primi dell'ottocento. Minerva med., Tor., 1948, 39: pt 2, Varia, 645–50.—**Fischer, L.** Aerztliche Erfahrungen in Afghanistan. Med. Klin., Berl., 1942, 38: 359.—**Frye, R. N.** Adnan Adivar: Osmanli türklerinde ilim [Bk Rev.] Isis, Menasha, 1947–48, 38: 121–5.—**Fuat, S.** Brief aus der Türkei. Deut. med. Wschr., 1934, 60: 369; 1935, 61: 272.—**Further** notes from an American medical student in the Orient. Q. Chicago M. School, 1941–42, 2: No. 3, 15.—**Galdston, I.** Medical explorers of Arabia. Bull. N. York Acad. M., 1937, 13: 512–38.—**Galip Ata.** Evolution de la médecine en Turquie. Programme Congr. internat. hist. méd., 1932, 9. Congr., 47–51.—**Ghanassia, E.** Les études médicales et cancérologiques en Israël. Cah. méd., Alger, 1949, 4: 671–85.—**Great** (The) four; how medicine was saved in Arabia. Pharm. Advance, 1938–41, 13: No. 150, 6–9.—**Gürkan, K. I.** Doksan ınc, yıldönünü; cerrahî mevzular. Türk tıp cemiy. mecmuası

1948, 14: 89–107.—**His.** Medizinisches aus der Türkei. Deut. med. Wschr., 1917, 43: 1463. Also Berl. klin. Wschr., 1918, 55: 964–7.—**Howe, H. D.** A last glimpse of the old Orient. Harvard Dent. Alumni Bull., 1942–43, 3: 71–4.—In the Orient. Frater, Menasha, 1907–08, 7: 78–81.—**Katz, H. L.** Palestine, a new center of medical progress. Phi Delta Epsilon News, 1936, 27: 183–6.—**Khairallah, A. A.** A century of American medicine in Syria. Ann. M. Hist., 1939, 3. ser., 1: 460–70. ——— Medicine's debt to Syria. Ibid., 1941, 3. ser., 3: 140–7.—**Küley, M.** Türk tip cemiyeti 1856–1946 senesine kadar iç hastalıkları, deri ve sinir sistemi hastalıkları. Türk tıp cemiy. mecmuası, 1948, 14: 69–88.—**Linser.** Die moderne Türkei und die Medizin. Münch. med. Wschr., 1935, 82: 1125–8.—**McKibbin-Harper, M.** A medical woman looks at Turkey. Q. Bull. M. Women Nat. Ass., 1933, No. 40, 13–8.—**Meyer, E.** Die Bedeutung der Erschliessung des alten Orients für die geschichtliche Methode und für die Anfänge der menschlichen Geschichte überhaupt. Sitzber. Preuss. Akad. Wiss., 1908, 648–63.—**Mieli, A.** La production littéraire de la Syrie et la haute civilisation de l'Irân. In his Science arabe, Leiden, 1938, 65–8. ——— L'apogée de la science arabe en Orient; historiens, biographes et bibliographes. Ibid., 141.—**Moorad, P. J.** A comparative study of medicine among the ancient races of the East: Egypt, Babylonia, and Assyria. Ann. M. Hist., 1937, 9: 155–67.—**Müller, L. R.** Erfahrungen eines Internisten in der Türkei. Münch. med. Wschr., 1917, 64: 192.—**Muley, K.** Die Entwicklung der türkischen medizinischen und pharmakologischen Fachsprache. Ibid., 1929, 76: 796. ——— Brief aus der Türkei. Deut. med. Wschr., 1932, 58: 263.—**Palestine;** medical research. In: Med. Res. in Colonies (Gr. Brit. Colon. M. Res. Com.) 1929, 36–41.—**Parmelee, R. A.** Reminiscences of twenty years in the Near East. Med. Rev. of Rev., N. Y., 1935, 41: 399–405.—**Raulin, L.** Les origines de la médecine dans l'Iran antique. Gaz. sc. méd. Bordeaux, 1937, 58: 601–5.—**Refik Saydam.** Bir süval takririne cevab. Anadolu klin., Istanbul, 1941, 9: 142–7.—**Reichert, I.** La mycologie palestinienne avec une étude historique sur la mycologie chez les Juifs. Rev. hist. méd. hébr., Par., 1948, No. 2, 20–8.—**Reutter, L.** De l'enseignement pharmaceutique en Syrie. Schweiz. Apoth. Ztg, 1923, 61: 287.—**Rouillard, C. D.** The Turk in French history, thought and literature, 1520–1660. Summaries Thes. Harvard Univ. (1936) 1938, 392–5.—**Rubitschung, O.** Brief aus Jaffa (Palästina) Deut. med. Wschr., 1936, 62: 982.—**Ruska, J.** Ueber das Fortleben der antiken Wissenschaft im Orient. Arch. Gesch. Math. Naturwiss., 1927, 10: 112–35.—**Savage, H. L.** Fourteenth century Jerusalem and Cairo through western eyes. In: Arab Heritage (Faris, N. A., ed.) Princet., 1944, 199–220.—**Sayili, A. M.** Turkish medicine. Isis, Bruges, 1936, 26: pt 2, 403–14. ——— Miller, B.: The Palace School of Muhammad the Conqueror [Bk Rev.] Ibid., 1942–43, 34: 168.—**Schaeder, H. H.** Von der griechischen zur arabischen Eroberung des Orients. Forsch. & Fortsch., 1937, 13: 70.—**Schuurmans Stekhoven, W.** Een geneeskundige studiereis in het land van de Halve Maan. Ned. tschr. geneesk., 1918, 2: 1693–7.—**Sennels, A.** [A letter from a journey to Syria] Ugeskr. laeger, 1935, 97: 632.—**Sinderson, H. C.** Some recollections of Iraq, 1918–46. Med. Press, Lond., 1949, 221: 221–4.—**Süheyl, A.** Zur Geschichte der Medizin und der Hygiene in der Türkei. Ciba Zschr., Basel, 1934–35, 2: 515–22.—**Tevfik, Sağlam.** Türk hekimliğinde Gülhanenin rolü. Askeri sihhiye mecmuasi, 1944, 73: No. 43, 1–15.—**Torkomian, V.** Les anciens professeurs arméniens de la Faculté de Médecine de Constantinople. Programme Congr. internat. hist. méd., 1932, 9. Congr., 75.—**Trans-Jordan;** medical research. In: Med. Res. in Colonies (Gr. Brit. Colon. M. Res. Com.) 1929, 41.—**Tutunji, D. F.** About medical things in Transjordania. Fol. med. int. orient., 1932–35, 1: 318–22.—**Van Wyck, H. B.** Humanism and medicine; the pre-Hellenic world; the valley civilizations. Univ. Toronto M. J., 1948–49, 26: 107–11.

—— Military aspect.

See also **Military campaign;** also other main military topics in this volume.

Germany. Oberkommando des Heeres. [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 53d/56: Der Arzt im Nahen Osten und in Nordafrika. 96p. 21½cm. Berl., 1942.

—— [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 53e/68: Afghanistan; geographisch-hygienische Bemerkungen. 19p. 21½cm. Berl., 1942.

United States. War Department. Technical bulletin TB MED 64: Medical and sanitary data on Turkey. 24p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 126: Medical and sanitary data on Palestine and Trans-Jordan. 45p. 26½cm. Wash., 1944.

—— Technical bulletin TB MED 128: Medical and sanitary data on the Levant States (Greater Syria) 19p. 26cm. Wash., 1944.

Boyd, F. D. Experiences of a consulting physician on duty on the Palestine lines of communication. Edinburgh M. J., 1919, n. ser., 22: 276–87.—**Bunker, C. W. O.** Medicine in Turkey. U. S. Nav. M. Bull., 1927, 25: 229–53.—**Erkul, E.** [World war experience in Turkey] Deut. Militärarzt, 1940, 5: 499 (Abstr.)—**Health** precautions for the African Asiatic countries along the southern and eastern Mediterranean Sea, the Red Sea, and the Persian Gulf. Army M. Bull., 1942, No. 63, 71–89.—**Joynt, C. N. H.** A summer tour in the Persian Gulf. J. R. Nav. M. Serv., 1945, 31: 237–45.—**Leslie, R. W. D.** The medical services in Palestine, 1936. J. R. Army M. Corps, 1937, 69: 289–303.—**Macias Teixeira, L.** A saúde das tropas no Médio Oriente. J. méd., Porto, 1946, 8: 199; 281.—**Medical** ethnography of the Middle East, 1944. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 2, 13–20.—**Medical** supplies. J. Am. M. Ass., 1942, 118: 912.—**Medical** wastage in the Middle East 1943 and 1944. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 6, 19–34.—**Mühlens, P.** Vier Jahre Kriegshygiene in der Türkei und auf dem Balkan. In: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 141–60.—**Overseas** notes; Palestine. J. R. Army Vet. Corps, 1941–42, 13: 33–6.—**Palestine** in wartime. Fed. Bull., Chic., 1942, 28: 144–6. Also J. Am. M. Ass., 1942, 118: 1509.—**Partridge, M. A.** Psychiatry in the Levant. J. R. Nav. M. Serv., 1946, 32: 115–26.—**Petrie, P. W. R., & Seal, K. S.** [Map showing tribal areas visited, Yemeni-Aden] In their Med. Surv. West. Aden, Lond., 1943, opp. p. 4. ——— Subehi survey [map] Ibid., opp. p. 32. ——— Ghariq [map] Ibid., opp. p. 33. ——— Diet of the soldiers [Subeihi] Ibid., 40. ——— Khor Omeira [map] Ibid., opp. p. 43. ——— Subehi survey [map] Ibid., opp. p. 44. ——— Haushabi survey [map] Ibid., opp. p. 49. ——— Amiri survey [map] Ibid., opp. p. 68.—**Trembur, H.** Aerztliche Tätigkeit in der Türkei bei der Mittelmeerdivision während des Weltkrieges. In: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 9–67.—**Whayne, T. F.** Medical and sanitary data for Levant States. Army M. Bull., 1943, No. 65, 50–72.—**Willrich, G.** Die Deutsch-Türkische Poliklinik der Mittelmeerdivision in Emirghian bei Stenia am Bosporus. In: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 257–66.

—— Nature and resources.

Bertram, C. K. R. Death of St. Peter's fish in Lake Huleh, Palestine. Nature, Lond., 1942, 150: 58.—**Combier, C.** La climatologie de la Syrie. Ann. Fac. fr. méd. pharm. Beyrouth, 1933, 2: 295–303.—**Della Valle, P.** Il ciaclacucci. In: Antologia d. prosa sc. ital. d. seicento (Falqui, E.) Fir., 1943, 1: 328.—**Fahri.** Les plantes médicinales et à essences existantes en Syrie et au Liban. C. rend. Congr. internat. plant. méd. (1931) 1932, 4. Congr., 282–7.—**Gy., R.** Irak, Irán, Sziria és Palesztina gazdasági jelzőtáblája, 1938. Magy. statiszt. szemle, 1941, 19: 669.—**Hardy, E.** Animal husbandry on Palestine's new farms. Vet. Med., Chic., 1947, 42: 460.—**Petrie, P. W. R., & Seal, K. S.** Water supply; Shuqra. In their Med. Surv. West. Aden, Lond., 1943, 12. ——— Water supplies. Ibid., 118–21.—**Rousselot, R.** Les rongeurs de la région de Téhéran. Arch. Inst. Hessarek, 1947, No. 5, 51–61, pl.—**Worthington, E. B.** Atmospheric circulation and climate. In his Middle East Sc., Lond., 1946, 27–9. ——— Plants and animals. Ibid., 82–91.

—— Social aspect and demography.

Bachi, R., Bavly, S. [et al.] Inquiry into poverty and malnutrition among the Jews of Jerusalem. 132p. 22cm. Jerusalem, 1943.

Turkey. Office Central de Statistique. Recensement général de la population au 20 octobre 1935, T. 60: Population de la Turquie, résultats définites. 404p. 29cm. Ankara, 1937.

Auerbach. Soziales und hygienisches aus Palästina. Med. Reform, Berl., 1912, 20: 163–8.—**Aybar, D.** Le second recensement général de la population de la Turquie. Bull. Inst. internat. statist., Haye (1936) 1937, 29: No. 2, 3–9.—**Baruk, H.** Le Kibboutz palestinien. Psyché, Par., 1948, 3: 878–90.—**Blumenthal, K.** Problems of social psychiatry in Palestine. Am. J. Psychiat., 1947–48, 104: No. 9, 563–8.—**Carmichael, J.** Notes on Arab unity. Foreign Affairs, 1943–44, 22: 148–53.—**Friedenwald, J. S.** Population growth in Palestine. Human Biol., 1937, 9: 347–56.—**Glass, D. V.** Population trends in Palestine. Eugen. Rev., Lond., 1946–47, 38: 79–86.—**Gy., R.** Afganisztán. Magy. statiszt. szemle, 1941, 19: 670. ——— Szíria. Ibid., 670. ——— Palesztina. Ibid., 671.—**Huffman, A.** Social welfare in Mohammedan kingdom [Afghanistan] of ten million inhabitants. Welf. Bull., Springf., 1943, 34: No. 12, 14.—**Libby, V. K.** Middle East relief. Red Cross Courier, 1941–42, 21: No. 12, 9.—**Notestein, F. W., & Jurkat, E.** Population problems of Palestine. Milbank Mem. Fund Q., 1945, 23: 307–52.—**Oppenheimer-Bluhm, H.** Industrialization in Palestine. Social Res., 1941, 8: 438–53.—**Parker, J.** Modern Turkey. Proc. R. Inst. Gr. Britain, 1940–41, 31: 357–72, 4 pl.—**Petrie, P. W. R., & Seal, K. S.** Vital statistics. In their Med. Surv. West. Aden, Lond., 1943, 96–9.—**Spizman, L.** The natural growth of the Jewish population in Palestine. Am. OSE Rev., 1943, 2: No. 3, 25–7.—**Tannous, A. I.** Social

change in an Arab village. Am. Sociol. Rev., 1941, **6**: 650–62. ——— The Arab village community of the Middle East. Annual Rep. Smithson. Inst. (1943) 1944, 523–43, 14 pl.—**Turkish** (The) Halk-Evi in London. Man, Lond., 1942, **42**: 68.—**Weulersse, J.** Influences confessionnelles sur la démographie du Proche-Orient. Congr. internat. popul. (1937) 1938, 1. Congr., **6**: 23–6.—**Worthington, E. B.** Population and social studies. In his Middle East Sc., Lond., 1946, 181–95. ——— Social studies. Ibid., 193–5.—**Young** Turkey; orphan children find happiness in the Red Crescent Home at Kecioren near Ankara. Nurs. Times, Lond., 1949, **45**: 759–62.

MIDDLE-EAST granuloma [1945]

See also **Granuloma venereum.**

Cowe, W. R. S. Middle East granuloma; is it granuloma venereum? Brit. J. Vener. Dis., 1945, **21**: 34–40.

MIDDLE East Supply Centre [Cairo, Egypt] Report to the Director General, No. 2. 4° Lond., 1946.

See **Worthington, E. B.** Middle East science. 239p. 24cm. Lond., 1946.

MIDDLEKAMP, H. H.

For portrait see J. Missouri M. Ass., 1950, **47**: 256.

MIDDLEKAUFF, Casper Joseph, 1887–1918.

For portrait see Collection in Library.

MIDDLEKAUFF, Woodrow Wilson, 1913–

See **Carpenter, S. J., Middlekauff, W. W., & Chamberlain, R. W.** The mosquitoes of the southern United States east of Oklahoma and Texas. 292p. 24cm. Notre Dame, Ind., 1946.

MIDDLE life.

See **Middle age.**

MIDDLEMASS, Mary, –1942.

For obituary see Q. Rev. Med. Women Fed., Lond., 1942, July, 71.

MIDDLEMISS, Kenneth Chisholm, 1886–1947.

For obituary see Glasgow M. J., 1947, **28**: 98.

MIDDLEMORE, Merell Philippa, 1898–

The nursing couple. xvii, 195p. 19cm. Lond., H. Hamilton, 1941 [i. e. 1945]

MIDDLE piece.

See **Spermatozoon.**

MIDDLESBROUGH, Engl. Medical Officer of Health. Annual report. Middlesbrough (1898) 1899–

MIDDLESBROUGH, Engl. School Medical Officer. Annual report. Middlesbrough (1944) 1945–

MIDDLESEX, N. J.

See under **Health organization.**

MIDDLESEX County, Conn.

Fisher, J. W. Yesterday in Middlesex County Medical Association. Connecticut M. J., 1943, **7**: 700–4.

MIDDLESEX County, Engl. Medical Officer of Health. Annual report. Lond., 1905–

See also under **Health organization.**

See also:

SYKES, J. F. J. Report upon the Administrative County of Middlesex, based upon the reports of the District Medical Officers of Health and upon the census and Registrar-General's returns for the year 1892. 116p. 8° Lond., 1893.

MIDDLESEX County Medical Society [N. Jersey]

Kler, J. H. Middlesex. J. M. Soc. N. Jersey, 1943, **40**: 206.

MIDDLESEX Hospital.

See under **London, Engl. Middlesex Hospital.**

MIDDLESEX Hospital and Cancer Wing. Report.

See **London, Engl. Middlesex Hospital and Cancer Wing.** Report. Lond. (1867) 1868–

MIDDLESEX Hospital Journal. Lond., v.1, 1897–

MIDDLESEX Hospital Medical School.

See under **London, Engl. Middlesex Hospital Medical School.**

MIDDLESEX University. School of Medicine [Waltham, Mass.] Laboratory manual in pharmacology. 75 l. 23cm. Waltham, Mass., 1943.

See also **In Re** the Trustees of Middlesex University; findings, rulings and order for decree. N. England J. M., 1945, **232**: 362–4.

MIDDLESEX (The) **veterinarian;** published by the School of Veterinary Medicine, Middlesex University. Waltham, v.3, 1943–

MIDDLETON, Allan H., & MIDDLETON, Louisa Mosebar. A synopsis of nursing texts. 154p. 27cm. S. Bernardino, the Authors, 1930. ALSO 2. ed. 153p.; 8p. Loma Linda, 1931. ALSO 3. ed. 157p.; 9p. 1931. ALSO 4. ed. 142p.; 9p. 1932.

Mimeographed.

MIDDLETON, Anthony Wayne, 1907–

*A study of the relationship of renal adenomas to carcinomas [Univ. Minnesota] 1 p. l., 24 l. illust. 27½cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1938.

Typewritten.

MIDDLETON, Austin Ralph, 1881– The University of the Americas. 24p. 23cm. Louisville, Ky., Mayes Print. Co., 1942[?]

MIDDLETON, Conyers, 1683–1750.

G., M. The dignity of the medical profession; a bygone squabble. Brit. M. J., 1943, **2**: 825.

MIDDLETON, David, 1705–85.

For biography see Cat. Portr. R. Coll. Surgeons, Lond., 1930, 45.

MIDDLETON, Donald Stewart, 1899–1942.

For obituary see Brit. M. J., 1942, **2**: 650. Also Edinburgh M. J., 1942, **49**: 779. Also Lancet, Lond., 1942, **2**: 685.

MIDDLETON, Ethelyn Friend, 1871–

The pretty girl's book; a guide to health and beauty. 204p. portr. 19cm. Chic., Congr. Drug Co., 1913.

MIDDLETON, George Stevenson, 1853–1928.

For obituary see Brit. M. J., 1928, **1**: 575. Also Glasgow M. J., 1928, **109**: 322–30, portr. Also Lancet, Lond., 1928, **1**: 735.

MIDDLETON, Henry Arthur, 1888–

Legal survey with respect to occupational disease resulting from air pollution, comprising a study of the statutes and court decisions of states of the United States. Pt 1–7, and Suppl. No. 1. 7v. 23½cm. Pittsb., Air Hyg. Found. America, 1936–37.

Forms No. 1, Legal Ser. Bull. Air Hyg. Found. America.

MIDDLETON, Horace Pechin, 1839–67.

For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 272, portr.

MIDDLETON, Johnson Van Dyke, 1834–1907.

For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 257, portr.

MIDDLETON, Louisa Mosebar.

See **Middleton, A. H., & Middleton, L. M.** A synopsis of nursing texts. 154p. 27cm. S. Bernardino, 1930. Also later eds.

MIDDLETON, Thomas Hudson, 1863–1943.

For obituary see Vet. Rec., Lond., 1943, **55**: 224.

MIDDLETON, William, 1893–

For portrait see Collection in Library.

MIDDLETON, William Drummond, 1844–1902.

For obituary see Tr. Iowa M. Soc., 1902, **20**: 44–6.

MIDDLETON, William John, 1858–1937.

For obituary see Dauphin M. Acad., 1937, **26**: No. 6, 6 (Bloom, J., Van Sickle, F., & Culp, J. F.)

MIDDLETON, William Shainline, 1890–

For biography see Ann. Int. M., 1949, **30**: 1312, portr. Also Q. Phi Beta Pi M., 1946–47, **43**: 167, portr. (Bland, P.) Also Wisconsin M. J., 1935, **34**: 479.

For portrait see Collection in Library. Also Annual Rep. Commonwealth Fund, N. Y. (1940–41) 1942, **23**: opp. p. 40.

Also Bol. As. méd. Puerto Rico, 1946, **38**: 499. Also Bull. Chicago M. Soc., 1947–48, **50**: 588. Also Wisconsin M. J., 1942, **41**: 326; 1945, **44**: 895; 1946, **45**: 34.

MIDDLETOWN, Conn. State Hospital. Report. Middletown (1934–36) 1936–

MIDDLETOWN, N. Y. Board of Health. Report. Middletown, 1901/02–1915.
Incomplete.

MIDDLETOWN, N. Y. State Homeopathic Hospital. Annual report. Alb., 4. (1873–74) 1875–
See also under **Health organization.**

MIDELFART, Hans Christian Ulrik, 1865–
For biography see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 126, portr.

MIDELFART, Johan Andreas Kraft, 1866–99.
For biography see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 126, portr.

MIDELFART, Johann Vilhelm, 1835–98.
For biography see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 127, portr.

MIDELFART, Peter Albert Hande, 1905–
For portrait see Wisconsin M. J., 1949, **48**: 329.

MIDGE.

See also **Chironomidae; Diptera; Nematocera.**

Carter, H. F., Ingram, A., & Macfie, J. W. S. Observations on the ceratopogonine midges of the Gold Coast with descriptions of new species. p. 187–274. 8° Liverp., 1920–21.
In: Ann. Trop. M. Parasit., Liverp., 1920–21, **14**:

Scotland. Department of Health. Scientific Advisory Committee. The second report on control of midges. 11p. 24½cm. Edinb., 1948.

Bourne, A. I., & Shaw, F. R. Chironomid larvae in a tobacco seed bed. J. Econ. Entom., 1947, **40**: 749.—**Carpenter, S. J.** Blood worms in water supplies; description of the life cycle of chironomids and methods for controlling such growths. Water Works Engin., N. Y., 1942, **95**: 887.—**Ekkert, N. I.** [Parasitic midge in the region of Riezhica County, Vitebsk Government] Vest. obshch. vet., 1915, **27**: 580–2.—**Fellton, H. L.** The use of chlorinated benzenes for the control of aquatic midges. J. Econ. Entom., 1941, **34**: 192–4.—**Krüger, F.** Eine parthenogenetische Chironomide als Wasserleitungsschädling. Naturwissenschaften, 1941, **29**: 356–8.—**Lindquist, A. W., & Deonier, C. C.** Emergence habits of the Clear Lake gnat. Rev. Appl. Entom., Lond., 1943, **31**: ser. B, 138 (Abstr.)—**Macfie, J. W. S.** A new blood-sucking midge from Singapore. Bull. Entom. Res., Lond., 1924–25, **15**: 349–51.—**Morikawa, Y.** Tōbun Dairen ni san-su [varieties of gnats found in Dairen] Acta derm., Kyoto, 1942, **40**: 67.—**Sabrosky, C. W.** On the distribution and correct name of Oscinis pallipes, the swarming gnat of the Sudan. Bull. Entom. Res., Lond., 1949–50, **40**: 61.—**Sen, P.** On the occurrence of symbiotic micro-organisms in the Cecidomyiidae, or gall midges (Diptera) with special reference to the larvae of Rhabdophaga saliciperda Duf. Arch. Protistenk., 1935, **85**: 1–9.—**Shields, S. E., & Hull, J. B.** The seasonal incidence of sand flies in Florida. J. Econ. Entom., 1943, **36**: 625.—**Stuart, T. A.** Chironomid larvae of the Millport shore pools. Tr. R. Soc. Edinburgh, 1941–42, **60**: 475–502.—**Tokunaga, M.** Chironomidae from Japan, Diptera; new or little-known midges, with descriptions of the metamorphoscs of several species. Philippine J. Sc., 1938, **65**: 313–83. ——— New or little-known Ceratopogonidae and Chironomidae. Ibid., 1940, **72**: 255–311, 4 pl.—**Townsend, C. H. T.** An interesting blood-sucking gnat of the family Chironomidae. Psyche J. Entom., 1892–93, **6**: 369–72, pl.—**Walshe, B. M.** The oxygen requirements and thermal resistance of chironomid larvae from flowing and from still waters. J. Exp. Biol., Lond., 1948, **25**: 35–44.—**Wautier, J.** A propos d'une larve de chironomide trouvée en Lorraine. Bull. biol. France, 1947, **81**: 433.—**Young, M.** Midges. Lancet, Lond., 1905, **2**: 628.

MIDGET.

See also **Dwarfism; Nanosomia; Pygmy.**

Bodin, W., & Hershey, B. It's a small world; all about midgets. 312p. 8° N. Y., 1934.

Köng, E. Ein Fall von primordialem Zwergwuchs. 41p. 21cm. Zür., 1946.

Bodin, W., & Hershey, B. A day in the life of a midget. In their It's a Small World, N. Y., 1934, 11–24, pl. ——— What is a midget? Ibid., 41–61, pl. ——— Birth, childhood and adolescence of midgets. Ibid., 80–95, pl. ——— Historical midgets. Ibid., 189–207, pl.—**Dupertuis, C. W.** An anthropological study of midgets. Summaries Thes. Harvard Univ. (1940) 1942, 17–20. ——— The size and proportions of adult midgets. Am. J. Phys. Anthrop., 1945, **3**: 111–28.—**Ecke, W.** Zur Morphologie und Genese des Zwergwuchses; Untersuchungen an Liliputanern. Fortsch. Röntgenstrahl., 1939, **60**: 107–34.—**Grebe, H.** Ueber Differentialdiagnose und Erbverhältnisse beim primordialen Zwergwuchs. Deut. med. Wschr., 1943, **69**: 317 (Abstr.)—**Günther, H.** Proportionsstudien en Zwergen; hypophysäre und primordiale Zwerge, Miniaturmenschen. Virchows Arch., 1940–41, **307**: 641–53.—**Hrdlička, A.** Skull of a midget from Peru. Am. J. Phys. Anthrop., 1943, n. ser., **1**: 77–82, incl. pl.—**Koch, H. H.** Demonstration eines Zwerges, 130 cm. gross, 23 Jahre alt. Deut. med. Rdsch., 1950, **4**: 51.—**M., G.** Bebê. Minerva med., Tor., 1943, **34**: Varia, 302–4.—**McCune, D. J., Merritt, K. K., & Kenyon, J. H.** Clinical and anthropometric observations on the circus midget. Am. J. Dis. Child., 1941, **62**: 424–6.—**Otto, H. W.** Lady Dot das kleinste Mädchen der Welt. In his Abnormitäten, Düsseld., 1900, 24, illust. ——— Marquis Wolga und Marquise Louise. das Königspaar der Liliputaner. Ibid., 30, illust. ——— Albert Brough und General Thom, Riese und Zwerg. Ibid., 43, illust.—**Schwalbe, E.** Zwergwuchs. In his Morph. Missbild., Jena, 1909, 3. Abt., 17–25.—**Verschuer, O. v., & Conradi, L.** Eine Sippe mit rezessiv erblichem primordialem Zwergwuchs. Zschr. menschl. Vererb., 1938–39, **22**: 261–7.

MIDGLEY, Albert Leonard, 1878–
For portrait see J. Am. Coll. Dentists, 1945, **12**: 159.

MIDHURST, Engl. King Edward VII Sanatorium. Annual medical report. Midhurst, Sussex (1909/10) 1911–

MIDLAND Doctor [pseud.]
See **Layton, Frank George, 1872–1941.**

MIDLO, Charles, 1901–
See **Cummins, H., & Midlo, C.** Finger prints, palms and soles; an introduction to dermatoglyphics. 309p. 23½cm. Phila., 1943.

MIDMENSTRUAL pain.

See under **Menstrual cycle,** Phase I.

MIDNIGHT rambler; or, New nocturnal spy for the present year. 2 p. l., 152p.; 12p. 8° London, J. Cooke [1780?]

MIDORIZIN.

See also **Penicillin,** Preparations.

Tutimoto, S. Midorizin no yakkō ni tuite [pharmacological efficacy of Midorizin] Sogo igaku, 1948, **5**: 216–8. ——— Midorizin wo siyō-site [use of midorizin] Hirosima igaku, 1949, **2**: 163.

MID-PACIFIC.

See also **Micronesia; Pacific Ocean;** also names of Pacific islands.

United States. Army. Surgeon General's Office. Historical Division. A history of preventive medicine ... in World War II. v.**10**: United States Army Forces, Middle Pacific. 235p. 27½cm. Wash., 1948.

Mayer, A. G. The islands of the mid-Pacific. Sc. Month., 1916, **2**: 125–48.—**Preventive** medicine in the Middle Pacific In: Prev. Med. in World War II, Wash., 1948, **10**: 3–24.

MIDRASH.

See under **Bible; Talmud.**

MIDTOWN Dental Society.
See under **New York, N. Y. Midtown Dental Society.**

MIDULLA, Carmelo. Antropologia fisica; antropometria, accrescimento, tipi morfologici costituzionali nell'adulto e nell'età evolutiva. 288p. illust. ch. 8° Roma, P. Cremonese, 1931.

——— Lesioni violente e soccorsi d'urgenza. 2. ed. 185p. 8° Roma, Cremonese, 1937.

MIDWAY Island.

See also **Mid-Pacific; Pacific Ocean.**

De Jongh, H. J. Midway Island. Hosp. Corps Q., 1943, **16**: No. 4, 76.—**W., S. L.** Notes from Midway Island. Nova Scotia M. Bull., 1928, **7**: 416–9.

MIDWESTERN Discussion Group [5. meet., 1942] Proceedings; progress reports on massive dose therapy of early syphilis. [v. p.] illust. tab. diagr. 28cm. [Frankfort? Ky.] 1942.

MIDWESTERN (The) druggist. Kansas City, v.15, 1940–

MIDWIFE (The) or, Old (The) woman's magazine; containing all the wit, and all the humour, and all the learning ... published pursuant to several acts of Parliament, and by the permission of their most Christian and most Catholic Majesties, the Great Mogul and the States General. v.1 & 3. 2v. 151p.; 288p. 17cm. Lond., Printed for Mary Midnight and sold by T. Carnan, 1751–53.

MIDWIFE.

See also **Midwifery**; also such terms as **Maternal welfare**, Personnel; **Medical personnel**; **Nurse.**

Bertazzoli, A. Levatrice od ostetrica? Clin. ostet., 1925, **27**: 294.—**Bignami, O.** Levatrice e non ostetrica. Ibid., 444.—**Burger, L.** La sage-femme. In: Médecin (Barjon, L.) Par., 1948, 264.—**Cayford, L. A.** The midwife; past, present and future. Nurs. Times, Lond., 1947, **43**: 295.—**Crumpler, P.** The midwife. Charlotte M. J., 1916, **73**: 159.—**Dubrisay, L.** L'aide maternelle. Rapp. Conf. internat. nursing, 1907, 115.—**Edgar, J. C.** Why the midwife? Am. J. Obst., 1918, **78**: 242–55; Disc., 227.—**Hebammen.** Med. statist. Mitt. Gesundhamt., Berl., 1901, **6**: 69–73.—**Inoue, N.** Zyosanpu, kangohu, hokenpu no minamina samagata e [to midwives, nurses, and public health workers] Jap. J. Nurs., 1947, **2**: No. 5, 2–4.—**Key, A. C. W.** Midwives to-day, stocktaking. Midwives Chron., Lond., 1945, **58**: 171.—**La Torre, F.** Pro e contro l'emancipazione delle levatrici. Clin. ostet., 1917, **19**: 153-68.—**Le Lorier, V.** La levatrice di ieri, d'oggi e di domani. Arte ostet., 1934, **48**: 215–9.—**Pachinger, H.** The midwife. Med. Life, 1923, **30**: 158–62.—**Pascasio, V.** Delle levatrici. Severino, Nap., 1852, **2**: 246; 305.—**Quisling, N. A.** Jordmorfødselshjelperske? Tskr. jordmød., 1910, **16**: 61–5.—**Shaw, W. F.** The scientific outlook. Canad. M. Ass. J., 1948, **59**: 311–7.—**Stähle.** Die Hebamme von heute. Wien. klin. Wschr., 1942, **55**: 561–6.—**Vanverts, J.** Attribution des sages-femmes. Nord méd., Lille, 1948, **46**: 34–8.—**Wehmer, R.** Hebammen. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1909, **6**: 299–307

—— Activities, and duties.

See also **Child welfare; Infant welfare; Maternal welfare; Maternity,** Nursing, etc.

REED, L. S. Midwives, chiropodists, and optometrists, their place in medical care. 70p. 8° Chic., 1932.

Andérodias, J. Ce que les sages-femmes ne doivent pas faire. Puériculture, 1949, **23**: 4–13.—**Baker, J.** The function of the midwife. Woman M. J., 1913, **23**: 196.—**Blackburn, L.** The midwife as an ally. Am. J. Nurs., 1942, **42**: 57. ——— Midwife teaches nurse. Nat. Negro Health News, 1942, **10**: 37 (Abstr.)—**Bossi, L. M.** La missione della levatrice nella famiglia e nella società sotto il punto di vista della psicologia ginecologia. Gin. mod., Genova, 1908, **1**: 42–5.—**Breay, M.** The scope of the maternity nurse. Rapp. Conf. internat. nursing, 1907, 110–4.—**Calderini, G.** La ginecologia nella pratica della levatrice. Lucina, Bologna, 1913, **18**: 149; 165.—**Carreras Reura, M.** La comadrona como profesional científico y como factor social. Rev. españ. obst., 1933, 18: 121–30.—**Colombini, C.** Perchè la levatrice diventi la buona consigliera nelle famiglie. Arte ostet., 1924, **38**: 17–21.—**Couvreur.** Rapports entre la famille et la sage-femme. J. obst. gyn., Lille, 1936, **7**: No. 3, 3–16.—**Dossena, G.** E'necessario un più adeguato riconoscimento dei meriti delle levatrici condotte, per ottenerne la migliore utilizzazione. Arte ostet., 1936, **50**: 137–9.—**Gaifami, P.** La missione della levatrice. In his Convers. & lez. ostet. gin., Roma, 1933, 412–25. ——— Le doti che si richiedono dalle levatrici. Ibid., 437–46.—**Haouy, L.** A propos de l'extension du rôle imparti à la sage-femme. Puériculture, 1948, **22**: 252–5.—**Isidori, T.** I compiti della levatrice moderna. Clin. ostet., 1921, **23**: 282–7.—**Maczewski, S.** [The midwife in social organization] Polska gaz. lek., 1936, **15**: 734–7.—**Malinovsky, M. S.** [Patronage work of the midwife in gynecological consultation] Feldsher, Moskva, 1943, No. 8, 1–5.—**Massazza.** Sull'opportunità che la levatrice conosca i sussidi di laboratorio più comuni nella pratica medica. Arte ostet., 1925, **39**: 91–6.—**Matusita, R.** Hokenpu, zyosanpu, kangohu no gyōmu-zyō no gimu ni tuite [professional duties of public health nurses, midwives, and nurses] Jap. J. Nurs., 1948, **3**: No. 6, 15–9.—**Meurer, R. J. T.** [Value of midwives] Tschr. prakt. verlosk., 1928–29, **32**: 281–90.—**Mitarbeit** der Hebammen in der Arbeit der NSV. Zbl. ges. Hyg., 1943, **51**: 117 (Abstr.)—**Paz Soldán, C. E.** Deberes y perspectivas de la profesión de obstetriz en el Perú. Reforma méd., Lima, 1946, **32**: 353–9.—**Potter, M. F.** Midwives and medical aid. Midwives Chron., Lond., 1946, **59**: 10.—**Richemont-Dessaignes.** Du rôle social de la sage-femme dans la société contemporaine. Rev. prat. obst. paediat., 1908, **21**: 145–53.—**Roume, A.** Les limites du rôle de la sage-femme. Rev. méd. Centr. Ouest, 1936, **8**: 191–6.—**Sippel.** Die Stellung der Hebamme in der Heilkunst. Allg. deut. Hebam. Ztg, 1907, **22**: 495–8.—**Solomons, B.** The work of the midwife. Irish J. M. Sc., 1932, ser. 6, 213–6.—**Yokoyama, T.** Tōtobu besi sanba no iti gon [respect the words of maternity-nurses] Dōzin igaku, 1936, **9**: 178.

—— Almanacs, and directories.

CALIFORNIA, U. S. A. BOARD OF MEDICAL EXAMINERS. Directory of physicians and surgeons, naturopaths, drugless practitioners, chiropodists, midwives holding certificates issued under the medical practice acts of the state of California, also licentiates in government service. Report of Board of Medical Examiners. Sacramento (1923–)1924–

KALENDAR DLYA AKUSHEROK. 1892; 1894. 2 v. 12° S. Peterb., 1892–94.

MADRAS (THE) NURSES AND MIDWIVES REGISTER. Madras, 1932—

OTTOW, B. Deutscher Hebammen-Kalender für das Jahr 1937. 48. Jahrgang. 336p. 16° Berl., 1937.

PRACTISING MIDWIVES AND MATERNITY NURSES; 1923–24. 231p. 32° Lond., 1923.

SCHWEIZERISCHER HEBAMMEN-KALENDER; von G. Rossier. 16° Genf, 1904.

—— Catholic.

Bernard, R. P. La sage-femme catholique aux missions. J. obst. gyn., Par., 1935, **6**: No. 8, 24–32.—**Brys, J.** De katholieke vroedvrouw en het doopsel. Ibid., 1936, **7**: No. 3, 34–48.—**Cauchois.** Les différentes orientations de la profession. Ibid., 1934, **5**: No. 6, 4–34. ——— L'action personnelle de la sage-femme catholique. Ibid., 1935, **6**: No. 9, 14–26.—**Congrès** (1.) international des sages-femmes catholiques. Ibid., 1934, **5**: No. 4, 3–23.—**Congrès** (3.) international des sages-femmes catholiques, Paris, 8 juillet, 1937. Bull. Soc. méd. S. Luc, Bourges, 1937, **43**: 244.—**Dauwe.** Deuxième congrès international des sages-femmes catholiques, Bruxelles, 13 juillet, 1935. J. obst. gyn., Par., 1935, **6**: No. 10, 3–12.—**Lefebvre, A.** Attitude de la sage-femme catholique vis-à-vis de sa cliente avant l'accouchement. Ibid., 1934, **5**: No. 4, 26–36. ——— La nécessité sociale de la sage-femme catholique. Ibid., 1935, **6**: No. 9, 27–32.—**Lemaire, P.** De vroedvrouw en de catholieke actie. Ibid., 15–23.—**MacKintosch.** L'accoucheuse catholique et les problèmes sociaux du jour. Ibid., 27–41.—**Mercken.** La sage-femme ou l'accoucheuse catholique aux missions du Congo-Belge. Ibid., No. 8, 3–23.—**Verstraete.** De katholieke vroedvrouw en het beroepsgeheim. Ibid., 1936, **7**: No. 3, 19–33.

—— Congresses, and societies.

See also **Obstetrician,** Congresses and societies.

[GERMANY] VEREINIGUNG DEUTSCHER HEBAMMEN. Offizieller Bericht über die Verhandlungen des 14. Delegiertentages ... am 25. und 26. Mai 1908 in München. 128p. 8° Berl., 1908.

Balard, P. Huitième Congrès international des accoucheuses, Paris, avril 1938. Presse méd., 1938, **46**: 765.—**Baum, P.** Rückblicke auf die letzte Tagung der Vereinigung zur Förderung des Hebammenwesens, München, Juni 1911. Zschr. ges. deut. Hebam. Wes., 1911–12, **3**: 289–308.—**Bignami, E.** La voce degli ostetrici e delle levatrici per la federazione. Rass. ostet., 1908, **17**: 775–82.—**Bond** (De) van vrouwelijke verloskundigen in Nederland. Tschr. prakt. verlosk., 1908–09, **12**: 283; passim.—**Congrès** (1.) national des sages-femmes françaises. Puériculture, 1948, **22**: 222–8.—**Congreso** (1.) nazionale delle ostetriche, Roma, 4–6 novembre, 1946. Lucina, Roma, 1946, 211–21.—**Ferrari, F.** Il primo congresso delle Guardie ostetriche italiane. Italia san., 1909, **5**: 158.—**Kentucky** State Association of Midwives, Inc. Q. Bull. Frontier Nurs. Serv., Lex., 1938–39, **14**: No. 4, 19–23.—**Mathes, K.** Hebammengremien in Oesterreich. Zschr. ges. deut. Hebam. Wes., 1910–11, **2**: 329–34.—**Patterson, H. M., Milnor, G. C.** [et al.] Symposium on obstetric care. Plantation Health, Aiea, 1946, No. 2, 15–24.—**Pye, E. M.** Impressions of the 8. International midwives' Congress, Paris, April 1938. Internat. Nurs. Rev., Genève, 1938, **12**: 277–85.—**Rissmann, P.** Ueber den weiteren Ausbau der Vereinigung zur Förderung des Hebammenwesens. Zschr. ges. deut. Hebam. Wes., 1910, **2**: 268. ——— Die Vereinigung der Vereinigungen. Gyn. Rdsch., 1914, **8**: 131.—**Rühle-Elberfeld, W.** Die Vereinigung zur Förderung des Hebammenwesens. Frauenarzt, 1913, **28**: 398–405.—**Voeux** du Congrès international des accoucheuses; Paris, 11–13 avril 1938. J. méd. Paris, 1938, **58**: 727.

—— Diseases, hygiene, and mortality.

Bathel, H. *Bakteriologische Untersuchungen über den Zustand der Mundhöhle bei praktizierenden Hebammen. 30p. 8° Bonn, 1920.

Haas, H. *Zahnärztliche Untersuchungen über den Zustand des Gebisses und der Mundhöhle bei Hebammen. 37p. 8° Bonn. 1929.

Berkeley, C. The death-rate of midwives. Med. Off., Lond., 1945, **74:** 194.—**Bèttica-Giovannini, R.** Le malattie delle levatrici nel De morbis artificum di Bernardino Ramazzini. Minerva gin., Tor., 1949, **1:** 152-4.—**Ekstein, E.** Ueber Vorschläge zu Reformen des Hebammenwesens und die Bekämpfung des Puerperalfiebers. Samml. klin. Vortr., 1906, No. 432, Gyn., No. 159, 735-50.—**Freund, H. W.** Hebammenwesen und Puerperalfieber. Strassb. med. Ztg, 1906, **3:** 219-22.—**Guttmann, G.** Die Mundhöhle der Hebammen eine Infektionsgefahr für die Wöchnerinnen. Deut. Mschr. Zahnh., 1910, **28:** 585-99.—**Lowenstein, G.** Zur Frage der Vornahme der Wa. R. bei der Auswahl von Hebammen als Bezirkshebammen gemäss der Durchführung des Preussischen Hebammengesetzes. Deut. med. Wschr., 1926, **52:** 71.

—— Education, and qualifications.

See also other subheadings (Examination; Instruction; Schools)

Scuderi, C. Necessità di una cultura migliore per le levatrici in Italia. 15p. 8° Nap., 1905.
Also Rass. ostet., 1905, **14:** 324; 379.

Balard, P. La capacité professionnelle de la sage-femme. J. méd. Bordeaux, 1929, **59:** 165-72.—**Fkstein, E.** Mit welcher Berechtigung ist eine höhere Vor- und längere Ausbildung für Hebammen zu fordern? Gyn. Rdsch., 1915, **9:** 8-14.—**Gaifami, P.** La buona e la cattiva levatrice. In his Convers. & lez. ostet. gin., Roma, 1933, 460-7.—**Gow, W. J.** The education of the maternity nurse. Brit. J. Nurs., 1906, **37:** 447-50.—**Iapelli, M.** Lettera alle levatrici. Rass. ostet., 1919, **28:** 304-15.—**Knoop, J.** Klinische opleiding voor kraamverzorgsters. Tschr. sociale geneesk., 1947, **25:** 185.—**Kosmack, G. W.** Does the average midwife meet the requirements of a patient in confinement? Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3:** 238-60.—**Leopold.** Die Gewinnung von Angehörigen gebildeter Stände für den Hebammenberuf. Gyn. Rdsch., 1908, **2:** 110-20.—**McCord, J. R.** The education of midwives. Am. J. Obst., 1931, **21:** 837-52.—**McGarvah, E.** Bringing up the Detroit midwife. Mother & Child, 1923, **4:** 400-3.—**Morris, P.** Education and health. Midwives Chron., Lond., 1946, **59:** 193.—**N.-r.** Eene verbetering van de uitrusting der verloskundige. Tschr. prakt. verlosk., 1910-11, **13:** 73-7.—**Regan, A.** The midwife of 1950 and her predcessor. J. R. San. Inst., 1936-37, **57:** 202-11.—**Rissmann, P.** Kann man die Einrichtung spezieller Kurse für gebildete Frauen empfehlen? Zschr. ges. deut. Hebam. Wes., 1911-12, **3:** 333-5.—**Russell, V.** Midwives of the future. Publ. Health, Lond., 1934-35, **48:** 314-7.—**Wenrich, M., & Justus, K. M.** The family care study; a method of teaching total maternity care. Am. J. Nurs., 1948, **48:** 179-84.

—— Employment.

Alin, E. Hvad bör stå i ett barnmorskekontrakt? Jordemodern, Stockh., 1911, **24:** 145-54.—**Freudenthal, P.** [Shall midwives be without bread?] Ugeskr. laeger, 1941, **103:** 598.—**Mannheimer, C.** Förslag till normalkontrakt for kommunelt anställda barnmorskor. Jordemodern, Stockh., 1911, **24:** 194-6.—**Rieländer, A.** Wie ist eine Besserung der Hebammenverträge zu erreichen? Zschr. ges. deut. Hebam. Wes., 1910-11, **2:** 346-54.—**Spence, J. E.** The training and employment of midwives. J. R. San. Inst., 1930-31, **51:** 487-92.—**Training** (The) and employment of midwives. Lancet, Lond., 1929, **2:** 680-3.—**Watson, B. P.** Is there a place for the trained obstetric nurse or midwife in American obstetrics? Proc. Interst. Postgrad. M. Ass. America (1929) 1930, **5:** 287-91.

—— Errors.

See also subheading Malpractice.

Andō, K. Sizen-teki kiken-sei wo kyōka-suru bunben kaizyohō [method of assisting delivery which increases natural hazards] Sanka & huzinka, 1946, **13:** No. 2, 4-7.—**Gewin, W. C.** Careless and unscientific midwifery with special references to some features of the work of midwives. Alabama M. J., 1905-06, **18:** 629-35.—**Knight, H. W.** Midwifery customs in India which favor tetanus and pressure gangrene of mother and decomposition of the unborn; case reports. N. Orleans M. & S. J., 1933, **86:** 172-8.—**Mallon, W.** The midwife's relation to our high maternal mortality. Trained Nurse, N. Y., 1929, **82:** 765-8.—**Perondi, G. G.** La morti-natalità in Italia e i limiti d'azione della levatrice. Riv. med., 1929, **37:** 129-33.—**Rezza, T.** Gli errori piu comuni nella practica della levatrice. Lucina, Bologna, 1909, **14:** 33; 49, 65.—**Rucker, M. P.** The relation of the midwife to obstetric mortality, with especial reference to New Jersey. Am. J. Pub. Health, 1923, **13:** 816-22.—**Sosenkova, N. J.** [Errors and negligence in the work of the licensed midwife] Feldsher, Moskva, 1943, No. 3, 36-40.—**Worrall, R.** Some common faults in midwifery practice. Med. J. Australia, 1918, **2:** 386-8.

—— Ethics.

See also **Abortion,** criminal; **Secrecy.**

Donaldson, M. The ethics of midwifery. Mat. & Child Welf., Lond., 1926, **10:** 355-7.—**Formation** (La) morale de la sage-femme; par un groupe d'élèves de l'Ecole de sages-femmes de la Faculté catholique de Lille. J. obst. gyn., Lille, 1938, **9:** No. 3, 15-24.—**Garau Semino, F.** Doveri morali dell'ostetrica. Lucina, Roma, 1946, 187-9.—**Gerdessen, K.** Schweigepflicht und Meldepflicht des Geburtshelfers. Mschr. Geburtsh. Gyn., 1928, **80:** 318-34.—**Lacomme, M.** A propos des sages-femmes avorteuses. Sem. hôp., Par., 1947, **23:** 1-4.—**Prosperini, F.** Problemi morali dell'ostetrica. Lucina, Roma, 1946, 242-7.—**Victoria, M.** The nurse's difficulty in enforcing ethical standards in the obstetrical operating room. Hosp. Progr., 1934, **15:** 395.

—— Examination, and licensing.

See also other subheadings (Inspection; Laws; Organization, etc.)

[United States] National League of Nursing Education. Department of Measurement and Guidance. Achievement examination in obstetric nursing, Form 149. 17p. 28cm. N. Y., 1948.

—— Obstetric nursing; graduate nurse examination, Form 149A. 14p. 28cm. N. Y., 1949.

—— Obstetric nursing; state board test pool examination, Form 949. 14p. 28cm. N. Y., 1949.

Beitler, F. V. Registration and practice of midwifery. Tr. Am. Ass. Study Infant Mort. (1911) 1912, **2:** 226-31.—**Berkeley, C.** The midwife's title. Brit. M. J., 1941, **2:** 562. ——— Designation of midwives. Med. Off., Lond., 1941, **66:** 127.—**Brown, L. F.** The Central Midwives Board and the Midwifery Service. Ibid., 1939, **61:** 227-31. ——— Habitually and for gain. Lancet, Lond., 1941, **2:** 548.—**Central** (The) Midwifes Board. Med. Off., Lond., 1941, **66:** 57.—**Charter** (A) for midwives [Gt. Britain] J. Am. M. Ass., 1943, **123:** 163.—**Cullingworth, C. J.** The Obstetrical Society of London and its examinations for midwives; a chapter in the history of the midwives question. Lancet, Lond., 1907, **1:** 528-35.—**Derryberry, M., & Daniel, J.** The development of a technique for measuring the knowledge and practice of midwives. Pub. Health Rep., Wash., 1936, **51:** No. 24, 757-71.—**Documents** officiels; administration du service de santé et de l'hygiène; examens de sage-femme. Mouvement hyg., Brux., 1908, **24:** 302-9.—**Dohrn, R.** Erfahrungen bei Prüfungen und dem Nachexamen der Hebammen. Zbl. Gyn., 1906, **30:** 901-9.—**Doktor, S.** A bábaügy fejlesztése numerus clausus megszabásával. Budapesti Orvosegy. évk., 1904, 96-100.—**Hebamme,** Zurückrahme des Prüfungszeugnisses. Reichsgesundhbl., 1936, **11:** 166.—**Maister, M.** The control of nursing homes and midwives; legal aspects and education of uncertificated midwives. J. R. San. Inst., 1938-39, **59:** 118-28.—**Medical** Practice Act, Michigan; license not required to practice midwifery. J. Am. M. Ass., 1940, **115:** 1400.—**Muralt, J.** Das Hebammen-Examen in Frag und Antwort. Sächs. Hebam. Ztg, 1905, **2:** 38; passim.—**Romo Dávila, A.** Obstetricia; ejercicio ilegal, proyecto de ley. Mem. Congr. méd. ecuator. (1930) 1951, 2. Congr. 754-62.

—— Experiences.

See also **Midwifery** subheadings (Cases; Practice)

Burger, L. [pseud.] Memoirs of a midwife. 305p. 8° N. Y., 1934.

Campbell, M. Folks do get born. 245p. 21cm. N. Y., 1946.

Drogendijk, A. C. [The diary of Mrs. Waltman; midwife of the 19th century in Dordrecht] Ned. tschr. geneesk., 1936, **80:** 981-8.—**Epler, B. N.** Obstetrical observations on an isolated island; sketch of a heroic midwife. South. M. & S., 1930, **92:** 724-8.—**Fjellström, A.** Bref från en barnmorskemissionär i Kina. Jordemodern, Stockh., 1909, **22:** 73-6.—**Ford, R. K.** Personal experiences in midwifery. Brit. M. J., 1930, **2:** 726-8.—**Gregory, A. S.** The romance of a district midwife's life. Mat. & Child Welf., Lond., 1917, **1:** 91-4.—**Leaves** from a midwife's diary; on guardians of the poor. Ibid., 94.—**Robinson, A. I.** With a midwife round the slums. Nurs. Mirror, Lond., 1947-48, **86:** 451.—**Wragge, S.** Leaves from a midwife's diary; gold hair. Mat. & Child Welf., Lond., 1917, **1:** 193.—**Wright, F. S.** Eighty-four years old and still a midwife. Pub. Health Nurse, Clevel., 1919, **11:** 979-81.

—— History.

See also **Midwifery**, History; **Obstetrics**, History.

Ditton, M. *Die Bedeutung der Frauen bei der Entwicklung der Geburtshilfe. 40p. 8° Münch., 1930.

Wille, F. C. Ueber Stand und Ausbildung der Hebammen im 17. und 18. Jahrhundert in Chur-Brandenburg. 24p. 8° Berl., 1934.
Forms Heft 4, Abh. Gesch. Med. Naturwiss.

Allan, R. M. The story of two famous midwives. Australas. Nurs. J., 1934, **32**: 167; 189.—**Andel, M. A. v.** [Midwives' signs, 18. century] Ned. tschr. geneesk., 1928, **72**: 2665–9.—**Balard, P.** Le contrôle de la profession de sage-femme sous l'ancien régime. Gaz. sc. méd. Bordeaux, 1924, **45**: 6.—**Bérard, L. & De'aunay, P.** Les cours de sages-femmes dans la généralité d'Alençon au 18. siècle. France méd., 1909, **56**: 177.—**Billard, M.** Une expertise en écriture sous la Terreur; la sage-femme Bertheaux et sa lettre contre Robespierre (documents inédits) Chron. méd. Par., 1913, **20**: 353–60.—**Bollag, K.** Ein alter Brief zur Hebammenfrage. Schweiz. med. Wschr., 1939, **69**: 608.—**Cohen, J.** Growth of the nursing and midwifery professions in England and Wales. In: Minor. Rep. Work. Party Recruitm. Nurses Gr. Britain, Lond., 1948, 78.—**Corbière, E.** Mme. Durocher; la primera partera graduada en Brasil. Acción méd., B. Air., 1941, **11**: 69.—**Creutz, R.** Marie-Louise Lachapelle und Marie-Anne Victorine Boivin, zwei hochverdiente Vertreterinnen der Entbindungskunst an der Wende des 18.–19. Jahrhunderts. Med. Welt, 1937, **11**: 520–4.—**Défense** de pratiques aux sages-femmes réformées (1680) Rev. gén. clin. thér., 1903, **47**: Suppl., 1189.—**Delaunay.** Les sages-femmes dans le Maine à la fin de l'ancien régime. Liber mem. Congr. hist. art de guérir (1920) 1921, 1. Congr., 283–9.—**De Mets.** Le programme d'un concours de sages-femmes à Anvers en 1620. Ibid., 297–304, facsim.—**Deux** nouvelles figurations des sages-femmes de la Vierge. Aesculape, Par., 1935, n. ser., **25**: 262.—**Esso, I. v.** Hollandsche vroedvrouwen in Rusland in de 18. eeuw. Ned. tschr. geneesk., 1938, **82**: pt 2, 2831–3.—**Ferguson, J. H.** Mississippi midwives. J. Hist. M., N. Y., 1950, **5**: 85–95.—**Forget, U.** Sages-femmes. Union méd. Canada, 1944, **73**: 152.—**Gils, J. B. F. v.** Beroemde vroedvrouwen. Ned. tschr. geneesk., 1942, **86**: 573–9, 2 pl.—**Gotthelf, J.** Schweizer Dichter über den Hebammenberuf. Sächs. Hebam. Ztg, 1906, **2**: 133–5.—**Grierson, C.** Historia de las obstétricas. Rev. obst., B. Air., 1903, **1**: 9–30.—**Gubler, E.** Genfer Hebammen und Gesundheitspolizei. Schweiz. med. Wschr., 1942, **72**: 1161.—**Haydon, M. O.** The midwife past and present. Mat. & Child Welf., Lond., 1920, **4**: 43.—**Jung, P.** Die Augsburger erneuerte Hebammenordnung von 1750. Gesnerus. Aarau, 1946, **3**: 134–46.—**Lannois, M.** Les sages-femmes de la Nativité et leurs figurations à Lyon. Lyon méd., 1936, **157**: 48; 81, 4 pl.—**Malcovati, P.** Le ostetriche a Milano sotto Maria Teresa. Arte ostet., 1940, **54**: 192–4.—**Manley, K.** Leaves from an 18th century midwife's case book; H. B. Browne, Whitby Museum, describes a very old case book in the museum, which covers births recorded by Mrs Katherine Manley from 1720–64. Nurs. Mirror, Lond., 1947–48, **86**: No. 2242, Suppl., p. i.—**Mousson-Lanauze.** Sages-femmes d'autrefois. Paris méd., 1926, **62**: annexe, 110.—**Nascimento, A.** Maternidades e parteiras. Rev. syniatr., Rio, 1939, **32**: 161–3.—**Nicaise, V.** Les sages-femmes au 16. siècle. France méd., 1906, **53**: 444–6.—**Olow, J.** [A few women from the history of obstetrics] Upsala läk. fören. förh., 1928, n. f., **34**: 709–30.—**One-hundred-year-old** Kentucky midwife; she has brought 939 babies into the world [Portrait] Q. Bull. Frontier Nurs. Serv., Lexingt., 1943–44, **19**: 19.—**Puech, P.** Un procès entre accoucheurs en l'an XII. Montpellier méd., 1911, **32**: 409–20.—**Roshem, J.** Accoucheurs de jadis. Paris méd., 1912–13, **10**: Suppl., 989–95.—**Rozova, K. A.** [Midwives as predecessors of the Russian women physicians] Feldsher, Moskva, 1944, No. 7, 44–8.—**Sainte** Marguerite et les femmes en couches. Chron. méd., Par., 1926, **33**: 341–7.—**Schöppler.** Der Reichsstadt Regensburg Hebammenordnung im Jahre 1617. Aerztl. Rdsch., 1907, 17: 123–5.—**Strauss, P.** Sages-femmes et herboristes. Rev. philanthrop., Par., 1916, **19**: 405–9.—**Teaching** (The) of midwifery in London in 1814; Haighton and Blundell. Brit. M. J., 1914, 2: 21–3.—**Wilson, E.** Die Hebamme in der Dichtung. Allg. deut. Hebam. Ztg. 1928, **43**: 49.—**Winkler, J.** [Batavian midwives in former times] Geneesk. tschr. Ned. Indië, 1937, 77: 1322–40.

—— Inspection, and control.

See also other subheadings (Examination; Laws)

Association of Supervisors of Midwives; occasional notes. Med. Off., Lond., 1941, **66**: 182; 1944, **72**: 157.—**Austin, B. F.** Midwife control program. J. M. Ass. Alabama, 1935–36, **5**: 265–7.—**Cassie, E.** The public health authority and the midwife. J. R. San. Inst., 1930–31, **51**: 481–6.—**Costill, H. B.** Midwifery supervision succeeds in New Jersey. Nation's Health, Chic., 1926, **8**: 255–7.—**Emmons, A. B., & Huntington, J. L.** Has the trained and supervised midwife made good? Tr. Am. Ass. Study Infant Mort. (1911) 1912, **2**: 199–213.—**Fairbairn, J. S.** Inspection of midwives. Med. Off., Lond., 1931, **46**: 35.—**Frizelle, M. T.** The elimination of ignorant midwifery; either its education, licensure and supervision, or its suppression. Tr. M. Soc. N. Carolina, 1917, **64**: 312–9.—**Hedger, C.** Investigation of 363 midwives in Chicago. Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3**: 261–4.—**Konrád, J.** [Medical supervisors in obstetrical practice] Gyógyászat, 1932, **72**: 425–9.—**Kosmak, G. W.** Results of supervised midwife practice in certain European countries; can we draw a lesson from this for the United States? J. Am. M. Ass., 1927, **89**: 2009–12.—**MacEachern, M. T.** What every obstretical supervisor should know. Am. J. Nurs., 1935, **35**: 97–105.—**Petition** från barnmorskorna angående borttagende af de årliga sammenkomsterna inför stadsläkaren. Jordemodern, Stockh., 1909, **22**: 175–8.—**Plecker, W. A.** The first move toward midwife control in Virginia. Virginia M. Month., 1918, **45**: 12. —— Virginia makes efforts to solve midwife problem. Nation's Health, Chic., 1925, **7**: 809–11.—**Purdy, C. H.** Supervision of midwives. Health Notes, Jacksonville, 1934, **26**: 41–4.—**Roy, D. W.** Some notes on the functions of supervisors of midwives. Med. Off., Lond., 1938, **60**: 187.—**Supervision** of midwives in New York City. Week. Bull. Dep. Health City N. York, 1921, n. ser., **10**: 153–7.—**Williams, J. W.** The plan as adopted by Beaufort County for the control of midwifery. Tr. M. Soc. N. Carolina, 1925, **72**: 145–53. Also N. Albany M. Herald, 1926, **35**: 134–7.

—— Instruction, and training.

See also other subheadings (Education; Schools) also **Midwifery**, Manuals.

Angulo Puente Arnao, G. Programa para la enseñanza de la obstetricia menor en el Perú; obstetricia para obstetrices. 109p. 20cm. Lima, 1915.

Campbell, J. M. Training of midwives. 45p. 8° Lond., 1923.
Forms No. 21, Rep. Pub. Health & Med. Subj. Min. Health Gr. Britain.

Epstein, A. Ueber die Notwendigkeit eines systematischen Unterrichtes in der Säuglingspflege an Hebammen-Lehranstalten. 27p. 8° Berl., 1916.

Larrabure Ugarte, H. Programa de obstetricia para la enseñanza exclusiva de las obstetrices. p. 3–63. 18cm. Lima, 1915.

Malacarne, M. V. G. Dialoghetti per istruzione delle levatrici idiote. 54p. 8° Padova, 1808.

Manrique, B. Programa de obstetricia; curso de la maternidad. 77p. 18½cm. Lima, 1915.

Adair, F. L. Undergraduate obstetric education. Fed. Bull., Chic., 1936, **22**: No. 10, 299-307. —— Undergraduate obstetric education. J. Am. M. Ass., 1936, **106**: 1441.—**Advanced** obstetric nursing; tentative outline for an advanced course in obstetric nursing for graduate nurses. Am. J. Nurs., 1941, **41**: 945–8.—**Ahlfeld, F.** Drill oder Erziehung zur Bewegungsfreiheit, ein Wort zur Hebammenreform. Zschr. Geburtsh. Gyn., 1909, **65**: 305–17.—**Anufriev, A. A.** O zhelatelnikh reformakh v dielle sovremennago obrazovaniya povivalnikh babok. Sborn. tr. akush. & gin. posv. D. O. Ottu, S. Peterb., 1906, 1: 222–40.—**Baer, J. L.** Current teaching trends in obstetrics. Mother, Chic., 1947–48, **9**: No. 3, 5.—**Balard, P.** Formation technique et perfectionnement de la sage-femme. J. obst. gyn., Lille, 1937, **8**: No. 9, 39; passim.—**Beaulah, L. E.** Post-graduate midwifery. Nurs. Times, Lond., 1941, **37**: 260; passim.—**Berkeley, C.** Why has the teaching of midwifery been so inefficient? J. Obst. Gyn. Brit. Empire, 1926, **33**: 634–41. —— The teaching of midwifery based on the Lloyd Roberts memorial lecture. Ibid., 1929, **36**: 701–55.—**Bingham, A. W.** Education for preventive obstetrics. Publ. Health Nurs., 1937, **29**: 362–4. —— Extension education on maternal and neonatal care. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 820-6.—**Blackburn, L.** A one-day county institute for midwives. Pub. Health Nurs., 1935, 27: 17.—**Brink, J. A. v. d.** Wat de vroedvrouw van breuken dient te weten. Tschr. prakt. verlosk., 1907-08, **11**: 65–70.—**Capezzi, L.** Sulla istruzione delle levatrici in Toscana. Gazz. toscana sc. med. fis., 1850, **8**: 113–5.—**Couvelaire.** Sur les modifications à apporter au recrutement et à la formation des sages-femmes. Bull. san. Algérie, 1936, **31**: 1075.—**Dahlmann.** Ein Beitrag zur inneren Ausgestaltung des Hebammenunterrichts. Zschr. deut. Hebam. Wes., 1910–11, 2: 126–48.—**Doktor, S.** A bábaképzésről. Gyógyászat, 1907, **47**: 11; 27.—**Eggers, J.** Educational preparation of nurses for delivery service. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 859–62. Also Am. J. Nurs., 1940, **40**: 428–30.—**Ekstein.** Oesterreichische Zustände bei der Ausbildung von Hebammen. Ann. ges. Hebammenwes., 1912, **3**: 120–3.—**Ferraresi, C.** Del metodo dimostrativo per l'istruzione nelle società di levatrici. Boll.

levatr., 1898, 1: 351; 413, pl.—**Findley, P.** The teaching of obstetrics and maternal mortality. Am. J. Obst., 1931, 21: 390–8. ——— The undergraduate teaching of obstetrics. Ibid., 783–808.—**Garipuy.** Note sur l'enseignement de l'obstétrique par le cinéma. Bull. Soc. obst. gyn. Paris, 1932, 21: 638. ——— Le cinématographe et l'enseignement de l'obstétrique. Ibid., 743–6, illust.—**Gillison, J. B.** Midwifery training in China. Midwives Chron., Lond., 1946, 59: 249.—**Gordon, J. E.** Midwifery training in Vienna. Nurs. Mirror, Lond., 1946, 83: 311.—**Hall, C. M.** Training the obstetrical nurse. Proc. Conf. State Dir. Maternity Act, 1927, 4: 45–54.—**Hammerschlag, S., Orgler, A., & Rauschenbach, E.** Die Aus- und Fortbildung der Hebamme in Hinblick auf neuere Problemc des Mutter- und Säuglingsschutzes. Gesundhfürs. Kindesalt., 1929, 4: 22–62.—**Hannah, C. R.** Home delivery service for medical students. Am. J. Obst., 1941, 41: 417–24.—**Hauser.** Nachprüfungen und Fortbildungskurse als Mittel zur Fortbildung der Hebammen; wie können sie zweckmässig ausgcstaltet werden? Ann. ges. Hebammenwes., 1912, 3: 1–34.—**Havlásek, L.** O zlepšení úrovně a o nových úkolech porodních asistentek. Cesk. gyn., 1941, 6: 329–34.—**Heusinkveld, G.** Training of midwives. Southwest. M., 1934, 18: 303–5.—**Hickox, V. F.** Content of a course for graduate students in hospital and outpatient departments. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 394–407.—**Hills-Young, E.** The training of midwives in the Sudan. Nurs. Times, Lond., 1945, 41: 30.—**Horrocks, P.** The instruction of midwives in the symptoms and signs of abnormal labour. Brit. M. J., 1907, 2: 785–91.—**Ideal** (The) training of the midwive. Mat. & Child Welf., Lond., 1917, 1: 415–8.—**Ingmann, F. R.** Denmark's three years training in midwifery. Nurs. Mirror, Lond., 1946–47, 84: 219.—**Jones, A. M.** Extension education for nurses. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 832–8.—**Jordemødrenes** dannelse og addannelse. Tskr. jordmød., 1908–09, 19: 77–83.—**Knott, C.** Midwifery; the service which women can give to women. Nurs. Mirror, Lond., 1945–46, 82: 261.—**Kosmak, G. W.** Fundamental training for obstetrical nurses. Surg. Gyn. Obst., 1927, 45: 665–71. Also Tr. Am. Gyn. Soc. (1927) 1928, 52: 72–84. ——— Obstetric training of nurses and attendants. Am. J. Obst., 1931, 21: 828–36. ——— The training of medical students in obstetrics; clinical teaching and practical experience as essentials. Fed. Bull., Chic., 1936, 22: No. 9, 259–68. Also J. Am. M. Ass., 1936, 106: 1435–8.—**Lassiter, M. I.** Nurse teaches midwife. Pub. Health Nurs., 1941, 33: 461. Also Nat. Negro Health News, 1942, 10: 35 (Abstr.)—**Lehmann** Ausbildung von Laienhelferinnen in erster Hilfe nach überraschend eingetretenen Geburten. Münch. med. Wschr., 1941, 88: 540.—**Lop, P. H.** Réflexion à propos du nouveau régime des études des sages-femmes. Ann. méd. lég., 1945, 25: 147–50.—**McCord, J. R.** Some aims and methods of the undergraduate teaching of obstetrics. Proc. Annual Congr. M. Educ., 1938, 34. Congr., 25. Also J. Am. M. Ass., 1938, 110: 1214.—**Metzger, M.** L'enseignement des sages-femmes. Progr. méd., Par., 1938, 222–32.—**Möller, E.** The teaching of midwifery in Sweden. Irish J. M. Sc., 1926, 6. ser., 594–7.—**Murray, E. F.** Failures in teaching. Nurs. Mirror, Lond., 1946, 83: 261.—**Neal's, L. M.** Maternal and child health demonstration with delivery service. Pennsylvania Health, 1943, 4: No. 2, 6.—**Nemec, E.** [Education and training of midwives in Carpatho-Russia] Bratisl. lek. listy, 1935, 15: 383–5.—**O'Brien, W. A.** Continuing education on maternal and neonatal care. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 827–31.—**Páll, G.** [Postgraduate training of midwives] Népegészségügy, 1937, 18: 113–21. ——— & **Dobszay, L.** [Postgraduate training of midwives in the care of infants in districts with scattered farmsteads] Ibid., 1940, 21: 655–60.—**Phillips, M. H.** Obstetrical education of the undergraduate. Brit. M. J., 1931, 1: 423.—**Piazza, G.** Elementi di legislazione sanitaria per la diplomande in ostetricia. Arte ostet., 1935, 49: 144; passim, ch.—**Pigeaud & Chevalier.** Présentation de films obstétricaux destinés à l'enseignement. Bull. Soc. obst. gyn. Paris, 1933, 22: 420.—**Proposed** (A) course in advanced maternity nursing. Am. J Nurs., 1946, 46: 859–68.—**Puppel, E.** Die Methodik des Hebammenunterrichtes. Zschr. Medbeamte, 1933, 46: 617–39.—**Reed, C. B.** Scope and objectives of the undergraduate teaching of obstetrics. Fed. Bull., Chic., 1936, 22: No. 9, 270–5.—**Riley, R. H.** The public health aspect of the teaching of obstetrics in undergraduate medical schools. J. Am. M. Ass., 1936, 106: 1438–40.—**Rissmann, P.** Schädigung am Einkommen oder bessere Belehrung der Hebammen. Gyn. Rdsch., 1907, 1: 288–90. ——— Unterricht und Fortbildung der Hebammen auf dem Gebiete der Säugslingsheilkunde und Säuglingsfürsorge. Ber. Internat. Säuglingsschutz (1911) 1912, 3: 270–97.—**Rowley, E.** The training of midwives. China M. J., 1926, 40: 655–8.—**Roy, D. W.** The training of midwifery of medical students and nurses; some reflections and a scheme. Brit. M. J., 1930, 1: 212–4.—**Russell, C. S.** Training and recruitment of midwives. Brit. M. Bull., 1949, 6: 247.—**Saunders, R. G.** Midwifery training in Italy. Nurs. Mirror, Lond., 1946–47, 84: 448.—**Scope** and objectives of the undergraduate teaching of obstetrics. J. Am. M. Ass., 1936, 106: 1204–6.—**Shipp, N. W.** The training of midwives in the administration of gas and air analgesia. Nurs. Times, Lond., 1944, 40: 178.—**Siirala, M.** [Instructions in operative obstetrics for midwives] Duodecim, Helsin., 1938, 54: 844–9.—**Siredey, Bar** [et al.] Des modifications à apporter au recrutement et à la formation technique des sages-femmes. Bull. Acad. méd., Par., 1936, 3. ser. 115: 117–9.—**Smyly, W.** The future teaching of practical midwifery. Dublin J. M. Sc., 1908, 125: 81–6; Disc., 136. ——— The proposed changes in the teaching of practical midwifery. Med. Press & Circ., Lond., 1908, n. ser., 36.—**Spencer, H., Watts, E.** [et al.] Discussion on the report of the Departmental Committee on the Training and Employment of Midwives. Proc. R. Soc. M., Lond., 1929–30, 23: Sect. Obst. Gyn., 8–12.—**Teaching** (The) of midwifery and gynaecology. S. Thomas Hosp. Gaz., Lond., 1942, 40: 90.—**Teaching** of obstetrics; symposium of obstetrical tutors. Brit. M. J., 1932, 1: 984–7.—**Theobald, G. W.** A plea for drastic reform in the teaching of midwifery. Proc. R. Soc. M., Lond., 1925–26, 19: Sect. Obst. & Gyn., 94–103. Also Lancet, Lond., 1926, 2: 633–7.—**Trunkfield-Coper, J.** Canada should train midwives. Canad. Doctor, 1941, 7: No. 4, 17–9.—**Vogel, M.** Zur Geschichte des geburtshilflichen Anschauungsunterrichtes. Münch. med. Wschr., 1929, 76: 2015.—**Walther, H.** Richtlinien zur Aufnahme und Fortbildung der Hebammen. Mschr. Geburtsh. Gyn., 1927, 76: 228–30.—**Wrzyszczyński, S.** O awansie społecznym położnych. Nowiny lek., 1948, 55: 82–4.—**Yang, M.** Midwifery training in China. China M. J., 1928, 42: 768–75, pl.

—— Instruction, and training: Manikin practice.

See also **Obstetrics,** Instruction.

McNeile, L. G. Obstetrical manikin practice. 111p. 26cm. Balt., 1939.

Mormann, M. *Die Geschichte des geburtshilflichen Phantoms [Würzburg] 31p. 21cm. Quakenbrück, 1938.

Reed, C. B. Operative obstetrics on the manikin for students and practitioners. 314p. 8° Phila., 1931.

Antz, H. W. A table for manikin demonstrations. Surg. Gyn. Obst., 1920, 31: 89.—**Beloshapko, P. A.** [Pocket-size obstetrical phantom] Akush. gin., 1941, No. 6, 56.—**Blumreich.** Zur Erweiterung des geburtshilflichen Phantomunterrichts. Deut. med. Wschr., 1909, 35: 2116.—**Fantome** chirurgical, ou mannequin pour enseigner l'art des accouchements. Observations (Rozier) Par., 1772, 2: 582.—**Fist, H. S.** A new fetal manikin for teaching obstetrics. J. Am. M. Ass., 1928, 90: 1707.—**Hoffmann, P. E.** Inexpensive obstetric manikins. Am. J. Obst., 1938, 35: 715.—**Jacobs, J. B.** A practical obstetric manikin. Ibid., 1934, 28: 605–8. ——— A manikin for individual student use. Ibid., 1938, 36: 163.—**Knapp, P.** Geburtshilfliches Miniatur-Phantom. Zbl. Gyn., 1912, 36: 990.—**Longridge, C. N.** Artificial pelvic floor for demonstration. Brit. M. J., 1908, 1: 1115.—**McMillan, K.** Two pieces of teaching apparatus for students and pupil midwives. Lancet, Lond., 1939, 1: 306.—**Mannequin** (Un) obstétrical en cire de 1786. Sem. méd., Par., 1909, 29: annex. p. clxxxvi.—**Mount, W. B.** A new obstetric phantom. Am. J. Obst., 1939, 37: 507–9.—**Raisz, D.** [New obstetrical phantoms] Orv. hetil., 1935, 79: 213.—**Reed, C. B.** Manikin practice in midwifery teaching. J. Ass. Am. M. Coll., 1931, 6: 362–5.—**Schlimpert, H.** Erfahrungen mit dem Blumreichschen Phantom im Unterricht. Münch. med. Wschr., 1914, 61: 710–2.—**Seigneux, de.** Adaptation de mon mannequin à l'enseignement des opérations obstétricales. Helvet. med. acta, 1935–36, 2: 272.—**Treub, H.** Over de kunstbaarmoeder Handel. vlaamsch natuur & geneesk. congr., 1901, 5: 21–3

—— Laws, and regulations.

See also subheading Organization.

Apfelbacher, J. *Die Hebammenordnungen des 19. und 20. Jahrhunderts [Würzburg] 173p. 8° Bottrop i. W., 1936.

Victoria, Australia. Nurses Board. Midwives Act 1928; midwives regulations. 30p. 24cm. Melb., 1946.

Asida, T. Hokenpu zyosanpu kangohu-hō kaisetu. J. Jap. M. Ass., 1948, 22: 209–14.—**Contribución** a la ley en proyecto sobre ejercicio de la medicina y anexos; presentado al Departamento nacional de higiene por la Asociación obstétrica nacional. Rev. obst., B. Air., 1905, 3: 110–2.—**Escoffery, G. S.** The midwifery law, 25 of 1919. Jamaica Pub. Health, 1939, 14: 25.—**Fruitnight, J. H.** The status of the midwife, legal and professional. Proc. Soc. M. Jurispr., N. Y., 1884, 2: 97–117.—**Jegel.** Unausgefertigte Entwürfe einer Nürnberger Accoucheurordnung aus der zweiten Hälfte des 18. Jahrhunderts. Wien. med. Wschr., 1938, 88: 940.—**Mabbott, J. M.** The regulation of midwives in New York City. Tr. N. York Obst. Soc., 1906–07, 259–79. Also Am. J. Obst., 1907, 55: 516–25; Disc., 557–65.—**Medical** practice acts; sanipractor's right to practice obstetrics [Wash., 1949] J. Am. M. Ass., 1949, 140: 646.

—— Laws, and regulations: Europe.

Bignami, M. E. Necessità di riforme radicali nel regolamento ed istruzioni per le levatrici in Italia. 7p. 8° Cremona, 1896.

GREAT BRITAIN, WORKING PARTY ON MIDWIVES. Report. 132p. 23½cm. Lond., 1949.

ITALY. DIREZIONE GENERALE DELLA SANITÀ PUBBLICA. Raccolta di disposizioni legislative e regolamentari concernenti le ostetriche. 92p. 23cm. Roma, 1941.

Back, M., Beaulah, L. [et al.] The Joint Committee Concerning Midwifery. Med. Off., Lond., 1943, **69**: 77.—**Berglund, F.** [Responsibility of midwives before the Census Commission, Government and Parliament] Sven. läk. tidn., 1937, **34**: 837–43.—**Berkeley, C., Potts, T. N. V., & Thomas, E. W. C.** The operation of the Midwives Act, 1936. Pub. Health, Lond., 1938, **51**: 257–65.—**Blackham, R. J.** An epitome of the Midwives Act, 1902. J. R. Army M. Corps, 1907, **8**: 202–4.—**Burn, J. L.** Ten critical comments on the report of the Working Party on midwives. Nurs. Times, Lond., 1949, **45**: 206.—**Chauffard, A. M. E., Cazeneuve** [et al.] Discussion du rapport de M. Bar sur la réglementation de la profession de sage-femme. Bull. Acad. méd., Par., 1923, 3. ser., **90**: 423–38.—**Chauffard, A. M. E., Mesureur** [et al.] Discussion du rapport de M. Bar sur le statut des sages-femmes. Ibid., 190–9.—**Chauffard, A. M. E., Pinard** [et al.] Discussion du rapport de M. Bar sur la réglementation de la profession de sage-femme. Ibid., 389–404.—**Cocq, V.** A propos de la réglementation de la profession de sage-femme. Bull. Soc. belge gyn. obst., 1908–09, **19**: 92–104.—**Conference** on the Midwives Act, 1936, and its operation. J. R. San. Inst., 1936–37, **57**: 413–36.—**Cousins, J. W.** The Midwives Act of 1902, and the only remedy for its present difficulties. Med. Mag., Lond., 1908, **17**: 636–42.—**Couvelaire.** Sur un projet de statut professionnel présenté par la Confédération nationale des Syndicats de Sages-Femmes. Bull. Acad. méd., Par., 1935, 3. ser., **114**: 789–92.—**Daels, F.** [Raising the social status of midwives] Tschr. prakt. verlosk., 1927–28, **31**: 206–10.—**Département** du travail, de l'hygiène et de l'assistance publique du Canton de Genève aux sages-femmes autorisées à pratiquer dans le canton. Bull. Eidg. Gesundhamt., 1942, Gegen Tuberk., 97.—**Dodd, J. T., Toogood, S. F.** [et al.] The working of the Midwives Act, 1902 (Discussion) Tr. Med. Leg. Soc., Lond., 1906–07, **4**: 61–8.—**Edgar, C.** L'istruzione, la patente (autorizzazione) e la sorveglianza della levatrice. Ann. ostet., 1916, **1**: 414–28.—**Forandringer** i jordmorloven. Tskr. jordmød., 1909, **15**: 5–8.—**Fosbroke, G. H.** The Midwives Act, 1902. Pub. Health, Lond., 1904–05, **17**: 557–93. Also Med. Mag., Lond., 1905, **14**: 515–37.—**Fremantle, F. E.** The Midwives (No. 2) Bill, 1910. J. R. San. Inst., 1910–11, **31**: 589–97.—**Herrgott, A.** Discussion du rapport de M. Bar, sur la réglementation de la profession de sage-femme. Bull. Acad. méd., Par., 1923, 3. ser., **90**: 7–27.—**Humphreys, F. R.** The history of the Act for the registration of midwives. Nurs. Times, Lond., 1906, **2**: 116; 199; 218.—**Jones, E. H.** Some aspects of the Midwives Act of 1902. J. R. San. Inst., 1906, **27**: 734 (Abstr.)—[**Law** on practice of midwives No. 1001/1940] Nepegészségügy, 1940, **21**: 1339–49.—**Linroth, K., Petersson, H.** [et al.] Medicinalstyrelsens und skrifvelse angående förslag till nya barnmorskeförfattningar. Jordemodern, Stockh., 1907, **20**: 10; passim.—**Masay, F.** Sur la nécessité de réformer radicalement les règles de la profession de sage-femme. Bull. Soc. belge gyn. obst., 1908–09, **19**: 49–65.—**Meyer-Wirz.** Interkantonale Konferenz zur Reform des Hebammenwesens in der Schweiz. Zschr. deut. Hebam. Wes., 1910–11, **2**: 149–54.—**Midwives** Act; what the College has done about it. Nurs. Times, Lond., 1936, **32**: 1025.—**Miranda, G.** Relazione al Ministero della P. Istruzione sull'ordinamento dell'insegnamento delle levatrice e sulle loro attribuzioni. Arte ostet., 1921, **35**: 67; passim.—**Morgan, M. T.** La loi de 1936 sur la profession de sage-femme en Grand-Bretagne. Bull. Off. internat. hyg. pub., Par., 1938, **30**: 1957–9.—**Niven, J.** The Midwives Act, 1902. Pub. Health, Lond., 1905–06, **18**: 499–517.—**Pannekoek, M. G.** [The new obstetrical law] Ned. tschr. geneesk., 1933, **77**: 4786–90.—**Réglementation** (La) de la profession de sage-femme. Bull. Acad. méd., Par., 1923, 3. ser., **90**: 602–6.—**Regolamento** sulle attribuzioni delle levatrici. Arte ostet., 1926, **40**: 76; 90.—**Robinson, A.** The working of the Midwives Act in Rotherham. Pub. Health, Lond., 1905–06, **18**: 703–6.—**Rose, P.** The Midwives Act; practical suggestions for reducing the puerperal death-rate. Brit. M. J., 1906, **1**: 811.—**Shaw, W. F.** Local authorities and the midwifery service. Pub. Health, Lond., 1942–43, **56**: 101–3.—**Smith, E. M.** A criticism of the Midwives Act, 1902. Ibid , 1905–06, **18**: 20–30 (Abstr.)—**Smith, M. M.** The operation of the Midwives Act in England with a view to its extension to Scotland and Ireland, in relation to infantile mortality. Proc. Nat. Conf. Infant. Mort., Westminster, 1906, 294–309.—**Snell, E. H.** A note on the operation of the Midwives' Act in Coventry in 1905. Midland M. J., 1906, **5**: 35–9.—**Sonzogni, C.** Doveri dell'ostetrica verso le autorità civili. Lucina, Roma, 1947, **12**: 15–7.—**Thierens, V. T., Thornley, R. L., & Bates, H. T.** The Midwives and Maternity Homes Act, 1926. Pub. Health, Lond., 1926–27, **40**: 385–9.—**Thomas, P.** Le rapport Bar et les sages-femmes. Vie méd., 1924, **5**: 819.—**Verordnung** über das Hebammenwesen des Kantons Thurgau, vom 20. Juli 1943. Bull. Eidg. Gesundhamt., 1943, 346; 354.—**Wood, K.** Midwives' bill. Brit. M. J., 1936, **1**: 968–72. Also Med. Off., Lond., 1936, **55**: 187–9.—**Wright, W.** The Midwives Act and its extension to Scotland. Pub. Health, Lond., 1906–07, **19**: 507–11.

—— Laws, and regulations: Europe—Germany, and Austria.

BRENNECKE, J. Reform des Hebammenwesens oder Reform der geburtshilflichen Ordnung? ein Beitrag zur Kritik der im Königreich Preussen geplanten gesetzlichen Neureglung des Hebammenwesens. 119p. 8° Magdeb., 1904.

DIENTSWEISUNG für die Hebammen des Grossherzogthums Baden vom 2. Januar 1902. 66p. 8° Karlsruhe, 1902.

[GERMANY] REICHSARBEITSGEMEINSCHAFT FÜR MUTTER UND KIND. Sammlung der gesetzlichen Vorschriften auf dem Gebiete des Hebammen- und Wochenpflegerinnenwesens. 64p. 20cm. Berl., 1943.

KLEHR, B. *Zur Neuordnung der Geburtshilfe. 19p. 8° Bresl., 1937.

MEYER, G. Die Hebammengesetze in Preussen; Gesetze, Verordnungen und Entscheidungen für den praktischen Gebrauch zusammengestellt. 73p. 12° Halle a. S., 1906.

Amreich, A. I. Geregelte Schwangerschafts- und Wochenbettpflege. Wien. klin. Wschr., 1942, **55**: 441–7.—**Boege.** Die Altersversorgung der Bezirkshebammen; zugleich ein Beitrag zur Regelung des Hebammenwesens. Zschr. Medbeamte, 1926, **39**: 446–50.—**Brennecke.** Bemerkungen zur Reform des Hebammenwesens, zur Wöchnerinnen- und Säuglingsfürsorge. Deut. Vjschr. öff. Gesundhpfl., 1909, **41**: 689–708.—**Burckhard, G.** Ueber Hebammendienstanweisungen; eine vergleichende Studie mit besonderer Berücksichtigung der baverischen Anweisung und Vorschlägen zur Verbesserung derselben. Zschr. deut. Hebamwes., 1910, **2**: 3; 193.—**Conti, L.** Geburtshilfe und Hebammenwesen in Deutschland. Oeff. Gesundhdienst, 1937–38, **3**: 257–77. —— Leitsätze für die Ordnung der Geburtshilfe. Zbl. Gyn., 1940, **64**: 1346–8.—**Conti, N.** Der heutige Stand des deutschen Hebammenwesens nach der gesetzlichen Neuordnung von 1938. Deut. Aerztebl., 1942, **72**: 255–7.—**Dienstanweisung** für Hebammen. Reichsgesundhbl., 1936, **11**: 259–61.—**Ekstein, E.** Ueber die amtliche Herausgabe neuer Dienstanweisungen für Hebammen. Frauenarzt, 1906, **21**: 434–8. —— Für die endliche Reform des Hebammenwesens. Zbl. Gyn., 1912, **36**: 1274–7.—**Franqué, O. v.** Vorschläge über Verbesserungen des Hebammenwesens und Abänderung der Dienstanweisung für Hebammen im Grossherzogtum Hessen. Ann. ges. Hebammenwes., 1911, **2**: 23–56.—**Freudenberg, K.** Ein statistischer Irrtum bei der Begründung des Gesetzentwurfs über Wochenhilfe. Deut. med. Wschr., 1925, **51**: 1037.—**Germany**; order of the 16th of December, 1941, on the law of the 31st December, 1938, concerning midwives. Bull. Hyg., Lond., 1942, **17**: 516 (Abstr.)—**Gütt, A.** Hebammenwesen. In his Oeff. Gesundhdienst, Berl., 1939, 179–85.—**Hammerschlag, S., & Rott, F.** Richtlinien zu einem deutschen Reichshebammengesetz. Arch. sozial. Hyg., 1928, n. F., **3**: 15–9.—**Hanauer.** Das Gesetz über die Reichswochenhilfe und Wochenfürsorge in seiner heutigen Gestalt. Zschr. Säuglingsschutz, 1923, **15**: 460–83.—**Hebammengesetz.** Reichsgesundhbl., 1939, **14**: 95–5.—**Hebammenordnung.** Ibid., 1936, **11**: 175–7.—**Henkel.** Hebammenwesen und Hebammenreform. Aerztl. Rdsch., 1907, **17**: 601–5. Also Münch. med. Wschr., 1907, **54**: 2534–7.—**Hesse, E.** Die Regelung des Hebammenwesens im Deutschen Reiche. Deut. med. Wschr., 1928, **54**: 482.—**Hirsch, M.** Die Frage der geburtshilflichen Neuordnung auf dem Leipziger Kongress. Zbl. Gyn., 1930, **54**: 525–35.—**Hodann, M.** Das Gesetz über Wochenhilfe und Wochenfürsorge. Deut. med. Wschr., 1919, **45**: 1389.—**Hüssy.** Schweigepflicht und Meldepflicht des Geburtshelfers. Praxis, Bern, 1929, **18**: 21, 1; 3.—**Klotz, M.** Zum geplanten Gesetzentwurf über Wochenhilfe. Münch. med. Wschr., 1925, **72**: 1257.—**Koblanck.** Grundsätze für die Regelung des Hebammenwesens. Deut. med. Wschr., 1918, **44**: 102.—**Köstlin.** Die bisherige Hebammenreform. Zschr. Medbeamte, 1909, **22**: 169–74.—**Kompert, P.** Eine Neuregelung des Hebammenwesens in Oesterreich. Zbl. Gyn., 1926, **50**: 1087.—**Krohne.** Die den Hebammen, Hebammenlehrern und Kreisärzten durch die Neuauflage des preussischen Hebammenlehrbuches erwachsenden Aufgaben. Ann. ges. Hebammenwes., 1913, **4**: 1–63.—**Kupferberg, H.** Vorschläge zur staatlichen Regelung des Wochenpflegerinwesens für das Grossherzogtum Hessen, unter Anschluss einer Prüfungsordnung und einer Dienstanweisung für staatlich geprüfte Wochenpflegerinnen. Ibid., 1911, **2**: 245–60.—**Lehmann.** Durchführung des Hebammengesetzes. Münch. med. Wschr., 1942, **89**: 846.—**Lustig, W.** Die Berufsbezeichnung der Hebammen und ihre Pflicht zur Berufsausübung. Allg. deut. Hebam. Ztg, 1928, **43**: 128.—**Martin, E.** Die Neugestaltung des Hebammenwesens. Mschr. Geburtsh. Gyn., 1919, **50**: 218–21. —— Richtlinien zu einem Deutschen Reichshebammengesetz. Ibid., 1928, **79**: 315–53. —— **Zweifel** [et al.] Umfrage über das neue Preussische Hebammengesetz. Med. Klin., Berl. 1921, **17**: 247; 276; 311.—**Mosser.** Die Reform des Hebammenwesens in Elsass-Lothringen. Strassb. med. Ztg, 1914, **11**:

90–7.—**Mugdan, O.** Das Gesetz über Wochenhilfe und Wochenfürsorge (Reichsgesetzblatt 1919 S. 1757) Zschr. ärztl. Fortbild., 1920, **17:** 144–6.—**Nacke, W.** Betrachtungen zu § 367 Abs. I des Strafgesetzbuches mit Bezug auf § 3 Abs. 3 der Dienstanweisung für die Hebammen im Königreich Preussen. Zschr. Medbeamte, 1918, **31:** 239–41.—**New** regulation of midwives [Germany] J. Am. M. Ass., 1939, **112:** 1008.—**Oettingen, K. v.** Zur Neuordnung des geburtshilflichen Unterrichtes. Zbl. Gyn., 1932, **56:** 1810–5.—**Pok, J.** Ein Beitrag zur Reform des Hebammenwesens. Gyn. Rdsch., 1916, **10:** 187–92.—**Resch, J.** Ist eine Reform des Hebammenwesens notwendig und wie hat sich deren Durchführung zu gestalten? Zschr. ges. deut. Hebam. Wes., 1910–11, **2:** 296–328.—**Riessman, P.** Die Aussichten der Hebammenreform nach Friedensschluss. Frauenarzt, 1916, **31:** 166; 222. ——— Zur Regelung des Hebammenwesens im Deutschen Reiche. Deut. med. Wschr., 1918, **44:** 187. ——— Was lehrt die Rundfrage der Med. Klinik über die preussische Hebammenreform? Zbl. Gyn., 1921, **45:** 853–8.—**Runderlass** des Reichsministers des Innern, betr. Ausführungserlass zur VO. über Wochenpflegerinnen. Reichsgesundhbl., 1943, **18:** 311–3.—**Schlossmann.** Ueber den Entwurf zu einem neuen Hebammengesetz. Berl. klin. Wschr., 1921, **58:** 553.—**Schröder, R.** Dienstordnung für Hebammen. In his Hebammenlehrb., Lpz., 1947, 509–28.—**Schur, E.** Die weitere Gestaltung der Aenderung des Gesetzes über Wochenhilfe. Gesundhfürs. Kindesalt., 1925, **1:** 139–41.—**Seiffert, G.** Die reichsgesetzliche Ordnung der Wochenhilfe. Münch. med. Wschr., 1922, **69:** 360.—**Verordnung** des Reichsarbeitsministers über die Versicherung der Hebammen, vom 23. März 1939. Reichsgesundhbl., 1939, **14:** 405.—**Verordnung** über das Hebammenwesen. Bull. Eidg. Gesundhamt., 1949, 87–93.—**Walther, H.** Zur staatlichen Regelung der Wochenpflegerinnenfrage. Zschr. deut. Hebammenwes., 1910, **2:** 102–14. ——— Zur Frage der Operationsbefugnisse der Hebamme. Prakt. Arzt, 1934, n. F., **1934:** 135–40.—**Weindler, F.** Zur Reform des Hebammenwesens unter Zugrundelegung der sächsischen Verhältnisse. Arch. Gyn., Berl., 1906, **78:** 646–61.—**Weisswange.** Zur Reform des Hebammenwesens. Zbl. Gyn., 1912, **36:** 950–3.—**Zimdars.** Die Verordnung über Wochenpflegerinnen vom 7. II. 1943. Oeff. Gesundhdienst, 1943, **9:** A, 85.—**Zweite** Aenderung der Anordnung über Ausbildung, Prüfung und Fortbildung der Hebammen. Reichsgesundhbl., 1938, **13:** 49.—**Zweite** Anordnung des Chefs der Zivilverwaltung zur Durchführung der Verordnung über das Hebammenrecht im Elsass. Ibid., 1943, **18:** 253.

—— male.

Gray, E., ed. Man midwife; the further experiences of John Knyveton, M. D., late surgeon in the British fleet, during the years 1763–1809. 210p. 22cm. Lond., 1946.

See also subheading (Unusual type) also **Obstetrician.**

Dufour. Hommes sages-femmes. Normandie méd., 1906, **21:** 439–46.—**Mengert, W. F.** The origin of the male midwife. Ann. M. Hist., 1932, **4:** 453–65.—**Phillips, M. H.** Men-midwives of the past. Bristol Med. Chir. J., 1935, **52:** 83–102.—**Spirt, E.** L'accouchement (le metier de sage-femme) a-t-il été pratiqué en Roumanie rien que par des femmes (sage-femmes) ou aussi par des hommes? Congr. internat. hist. méd., Bucur., 1932, 70.

—— Malpractice.

See also subheading Errors; also such terms as **Abortion; Infanticide; Maternal mortality,** Etiology, etc.

Bossi, L. M. L'odissea di una levatrice e la triste sorte di una partoriente a proposito della causa trattatasi alla Corte d'appello di Genova il giorno 8 Febbraio, 1908. Gin. mod. Genova, 1908, **1:** 252–7.—**Conviction** of a midwife; Commonwealth vs Connor. Boston M. & S. J., 1914, **171:** 277.—**Curanderismo** y del ejercicio ilegal de la obstetricia. Tr. Congr. argent. med. gremial (1936) 1937, 2. Congr., 597–601.—**Döderlein, A.** Anklage gegen eine Hebamme wegen fahrlässiger Tötung. Münch. med. Wschr., 1922, **69:** 1191.—**Garrett, I. L.** Death caused by midwife pulling the cord. Med. World, 1908, **26:** 427.—**Hofmeier, M.** Beiträge zur forensischen Geburtshilfe; Untersuchung gegen die Hebamme S. wegen fahrlässiger Tötung. Münch. med. Wschr., 1926, **73:** 1656.—**Honig, J. G. A.** [Death through fault?] Ned. tschr. geneesk., 1920, **1:** 2383–95. Also Tschr. prakt. verlosk., 1920–21, **24:** 81–93.—**Kösler.** Umfang und Bekämpfung der Hebammenpfuscherei in Preussen vom gerichtsärztlichen Standpunkt. Ann. ges. Hebammenwes., 1912, **3:** 320–60.—**La Torre, F.** Della responsabilità della levatrice durante il parto. Clin. ostet., 1907, **9:** 130–3.—**Mayr, E.** Die Bekämpfung der geburtshilflichen Pfuscherei. Amtsarzt, 1914, **6:** 10–8.—**Prosecution** (A) under the Midwives Act. Brit. M. J., 1909, **1:** 1517.—**Retssak** (En) mellem en jordmor og en kommune. Tskr. jordmød., 1910, **16:** 33–8.—**Schaitter, I.** Zaniedbanie ze strony nieuprawnionéj położnéj? Przegl. lek., 1892, **31:** 437–40.—**Seilheim, H.** Unglücksfall, Fahrlässigkeit und Unfähigkeit in der Geburtshilfe. Zbl. Gyn., 1926, **50:** 1–13.—**Wylder, M. K.** Inferior midwifery; a case report. Southwest M., 1936, **20:** 178.

—— Manuals.

For manuals of specific procedures see **Midwifery,** Manuals; **Obstetrics,** Manuals.

Geffen, D. H., & Brown, L. F. Public health and social services; an elementary textbook for midwives. 2. ed. 134p. 19cm. Lond., 1942.

Keith, M. C. Why women die in childbirth; a treatise upon the proper care of the mother after childbirth, and of the new born child. 176p. 16°. Bost., 1884.

Marrassini, A. Nozione di biologia normale e patologica e di fisiopatologia, raccolte dalle allieve ostetriche. 558p. 25cm. Pisa, 1943.

Practical hints on maternity nursing; by a certificated and experienced nurse. 52p. 16°. Lond., 1907.

—— Nurse-midwife.

Shoemaker, Sister M. T. *History of nurse-midwifery in the United States [M. Sc.; Cath. Univ. America] 64p. 22½cm. Wash., 1947.

Blackburn, L. Midwife teaches nurse. Pub. Health Nurs., 1941, **33:** 460. ——— A suitable substitute for midwives. Trained Nurse, 1941, **106:** 436.—**Buck, D. F.** American Association of Nurse-Midwives. Q. Bull. Frontier Nurs. Serv., Lexingt., 1941–42, **17:** No. 4, 26–8.—**Burnett, E.** An effective use of on-call time. Pub. Health Nurs., 1943, **35:** 579–83.—**Caffin, F., & Caffin, C.** Experiences of the nurse-midwife in the Kentucky Mountains. Nation's Health, Chic., 1926, **8:** 801–3.—**Carter, D. J.** Nurse midwives. N. England J. M., 1941, **225:** 843.—**Coni, K. V.** The trained nurse midwife and the practice of midwifery. Brit. J. Nurs., 1936, **84:** 167.—**Corbin, H.** Nurse midwives for tomorrow. Trained Nurse, 1942, **109:** 167–9.—**Enfermeira-obstétrica;** não se confunde com outra classe de enfermeiras; requer: Título de enfermeira-obstétrica ou então apostila de seu certificado de enfermeira prática licenciada para exercer a obstetrícia. Arq. hig., S. Paulo, 1941, **6:** No. 12, 191.—**Good** (A) obstetrical nurse. Canad. Nurse, 1933, **29:** 296.—**Handford, H.** Monthly nurse or midwife. Pub. Health, Lond., 1908–09, **22:** 177–80.—**Hemschemeyer, H.** The nurse-midwife is here to stay. Am. J. Nurs., 1943, **43:** 913–6.—**Kosmak, G. W.** The place of the trained nurse in obstetric practice. Proc. Nat. League Nurs. Educ., 1933, 126–39.—**Logan, A.** The nurse-midwife in Leslie County, Kentucky. Pub. Health Nurse, 1926, **18:** 542–6.—**McKelvey, J. L.** Need for well trained nurses in obstetric service. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 391–3.—**O Neill, C.** Nurse midwives in Maryland. Bull. Nurses' Alumnae Ass. Univ. Maryland, 1937, 46.—**Taussig, F. J.** The nurse midwife. Pub. Health Nurse, Clevel., 1914, **6:** 33–9.—**Training** frontier nurse-midwives. Q. Bull. Frontier Nurs. Serv., Lexingt., 1939–40, **15:** No. 2, 23–7.—**Wyatt, E. M.** The combined work of district nurse-midwives and health visitors in rural areas. J. R. San. Inst., 1930–31, **51:** 493–8.

—— Oath.

Leuthardt, K. Der Hebammeneid. Zürch. med. gesch. Abh., 1940, **16:** 44.

—— Organization of service.

See also other subheadings (Problems; rural, etc.) also **Midwifery,** Social aspect; also such terms as **Maternal welfare,** Organization; **Maternity,** Social aspect.

Frontier Nursing Service. Annual report. Lexington, 1. (1925-26) 1926–

Morvan, A. A. *Essai d'organisation du service obstétrical dans les campagnes bretonnes; ses conséquences dans le développement de l'hygiène générale. 51p. 8°. Par., 1934.

Rodovspomozheniye v Rossii. 144p. 8°. S. Peterb., 1906.

Valle, G. Sulla organizzazione ostetrica e ginecologica e su alcuni aspetti medico-sociali della Russia Sovietica. p.125–79. 24½cm. Tor., 1944.

In: Ginecologia, Tor., 1944, **10:**

[Agreement between Czechoslovakia and Poland for mutual practice of midwifery] Věst. česk. lék., 1926, **38:** 788.—**Anwandter, K.** Algunos servicios obstétricos de Europa. Med. mod., Valparaíso, 1938–39, **12:** 686; 1940–41, **14:** 479.—**Asirvatham, J.** Obstetrical service in India. J. Am. M. Women Ass., 1948, **3:** 411.—**Back, M.** The supervision of

midwives. Nurs. Times, Lond., 1942, 38: 473.—**Bašta, J.** Babická pomoc v politickém okresu Třeboňském; se zvláštním zřetelem k materielnímu postavaní porodních babiček. Rev. neuropsychopath., Praha, 1911, 8: 406–16.—**Bennett, A. J.** The midwifery services; retrospect and prospect. Med. Off., Lond., 1946, 76: 50–2.—**Birgus, J.** [Observations on Dr. L. Havlaska's memorandum concerning improvements in the organization of midwives and on the obligatory association of the former with the consultation bureaus for mothers and children] Cesk. gyn., 1941, 6: 20–8.—**Booth, W. G.** A midwifery experiment of 1932. Med. Off., Lond., 1933, 49: 25.—**Brockington, C. F.** The White Paper and its influence upon the midwifery service. Ibid., 1944, 72: 125.—**Brown, L. F.** A stocktaking of the midwifery service. Pub. Health, Lond., 1941–42, 55: 134–8.—**Buchan, J. J.** The practising midwife as an officer of the local authority. J. R. San. Inst., 1936–37, 57: 193–7.—**Buck, D.** How does the Frontier Nursing Service handle obstetrical complications? Q. Bull. Frontier Nurs. Serv., Lex., 1935–36, 11: No. 3, 7–14.—**Burnett, E.** How the small hospital can extend its service to the community through a home maternity nursing service. West. J. Surg., 1943, 51: 69–73.—**Buzzoni, R.** Il dopo guerra dell'ostetricia con speciale riguardo alle attribuzioni delle guardic ostetriche. Arte ostet., 1919, 33: 21–7.—**Castro, P.** Apuntes sobre el origen y desenvolvimiento del Servicio de comadronas del municipio de La Habana. San. & benef., Habana, 1941–42, 1: 328–42.—**Couvelaire.** Sur la réorganisation de la profession de sage-femme. Bull. Acad. méd., Par., 1943, 127: 124.—**Curnock, D.** Midwives on motor bikes, Britain's district nurses. Am. J. Nurs., 1942, 42: 352.—**Dichtiar, S. R.** [Medico-prophylactic problems of confinement; gynaecological help in White Russia] Belarussk. med. dumka, 1926, 2: 7–16.—**Fell, F.** A midwifery delivery service; a new era for mothers and babies in Santa Fe, New Mexico. Am. J. Nurs., 1945, 45: 220–2. ——— Midwifery delivery services in New Mexico. Mother, Chic., 1945–46, 7: No. 3, 7, &c.—**Ferri, A., & Villa, F. N.** L'opera della Guardia Ostetrica Milanese nell'ultimo decennio. Rac. scritti ostet. gin. Luigi Mangiagalli, Pavia, 1906, 531–48.—**Fitzgibbon, N. P.** Plunket nursing. N. Zealand Nurs. J., 1946, 39: 142–4.—**Ginodman, D. M.** [Organization of obstetrics in the USSR] Feldsher, Moskva, 1942, No. 11, 16–25.—**Graves, J. O.** The midwife program in Florida. Pub. Health Nurs., 1939, 31: 527–31.—**Hannah, C. R.** Home delivery service by students. Surgery, 1941, 9: 133.—**Hartz, A. E.** Home delivery service in an Iowa county. Pub. Health Nurs., 1939, 31: 693–7.—**Hatton, D. V.** The first year of the Wetzel County Nurse Delivery Service. West Virginia M. J., 1941, 37: 21–5.—**Hnátek, L.** Regionální organisace porodnictví ve Francii. Cesk. gyn., 1947, 12: 150–64.—**Horsburgh, P. G.** [The new English midwifery service in operation in a provincial town] Internat. Nurs. Rev., Genève, 1938, 12: 329–49.—**Independent** (The) midwife. Lancet, Lond., 1935, 2: 1009.—**Isaeva, E. K.** O metodike raboty srednego medicinskogo personala akusherskoginekologicheskikh kabinetov po obsluzhivaniiu rabotnic na predpriiatiiakh. Feldsher, Moskva, 1945, No. 1, 35–44.—**Jung, P.** Zur Reform unseres Hebammenwesens. Schweiz. med. Wschr., 1929, 59: 988–90.—**Kasturaba** (The) Gandhi National Memorial Trust Maternity Service scheme. J. Ind. M. Ass., 1946–47, 16: 281–4.—**Klebanov, F. G.** [Organization of obstetrical aid in Uzbekhistan] Feldsher, Moskva, 1940, 47–50.—**L. C. C.** domiciliary midwifery service. Brit. M. J., 1940, 2: 607.—**Lloyd, H., Shotton, D. M.** [et al.] Discussion on emergency obstetrical service; the flying squad; its use and abuse. Proc. R. Soc. M., Lond., 1949, 42: 1–10.—**Lorini, A.** Venti cinque anni presso la Guardia Ostetrica di Milano. Arte ostet., 1923, 37: 65–76.—**McElroy, R.** Obstetrical service for first year internes at the U. S. Marine Hospital, Norfolk, Va. Hosp. News, Wash., 1937, 4: No. 19, 19–23.—**McGarvah, E.** How a community loss may be made a community gain. Pub. Health Nurse, Clevel., 1921, 13: 355–9.—**McIlroy, L.** Discussion on maternity services. Proc. R. Soc. M., Lond., 1941–42, 35: 645–52.—**Mackenzie, E. K.** Maternity service of the future. Brit. M. J., 1942, 2: 294.—**Maclean, E.** The rôle of the midwife in a national maternity service. Mat. & Child Welf., Lond., 1953, 17: 159–63.—**McNeile, L. G.** The technique and organization of the Los Angeles Maternity Service. California J. M., 1923, 21: 158–62.—**Mann, F.** Die geburtshilfliche Versorgung der Provinz Westfalen. Allg. deut. Hebam. Ztg, 1924, 39: 429–34; 1928, 43: 277–81.—**Micheli, C.** La Guardia ostetrica permanente E. Pestalozza in Roma. Umbria med., 1938, 18: 3360–6.—**Midwife** (The) in a national maternity service. Australas. Nurs. J., 1935, 33: 116–8.—**Midwifery** service for London. J. Am. M. Ass., 1938, 110: 451.—**Miller, N. T.** Substitute agencies in Cleveland [midwives] Tr. Am. Ass. Study Infant. Mort. (1912) 1913, 3: 275.—**Morris, W. I. C.** The organisation and equipment of an emergency domiciliary obstetrical service. Edinburgh M. J., 1939, 46: Suppl., Tr. Edinburgh Obst. Soc., 77–104.—**Nale, T. W.** Wetzel County nurse delivery service. Bienn. Rep. State Health Dep. West Virginia, 1940, 33.—**New** (The) midwifery service at work. Nurs. Times, Lond., 1938, 34: 723.—**Nicholson, J. D.** Home-delivery-nursing services in a public health program. Child, Wash., 1939, 3: 198–202.—**O'Hanlon, G.** Responsibility of the municipality to the expectant mother of the middle class. Tr. Am. Hosp. Ass., 1914, 16: 254–60.—**Olson, R. M.** A home delivery service; based on a study of medical and nursing resources. Am. J. Nurs., 1942, 42: 877.—**Organizacia** podachi pomoshchi pri rodakh v gorodskom i selskom naselenii Rossii (yeya sovremennoye sostoyaniye i zhelatelniya izmieneniya v budushchem) Tr. Obshch. russk. vrach. pam. Pirogova (1904) 1906, 6: 340–459, 5 map, diagr.—**Price, M. L.** The problem of midwifery from the standpoint of administration. Tr. Am. Ass. Study Infant. Mort. (1911) 1912, 2: 221–5.—**Pridie, E. D.** Description sommaire de l'instruction et de l'organisation des sages-femmes au Soudan Anglo-Egyptien. Bull. Off. internat. hyg. pub., Par., 1937, 29: 1931–5.—**Rein.** O zadachakh medicinskikh obshchestv; so vklyuchenivem kratkago ocherka organizacii rodovspomozheniya v Rossii. J. akush., 1906, 20: 195; 415, 3 map.—**Revoltella, G.** Premesse ad una razionale organizzazione dei servizi assistenziali ostetrici nelle zone rurali; a proposito di Mutue dell agricoltura. Clin. ostet., 1942, 44: 20–7.—**Romero Aguirre, F.** El servicio domiciliario de partos y el consultorio obstétrico de la Escuela de obstetricia y puericultura para matronas de Santiago. Rev. benef. púb., Santiago, 1920, 4: 22–30.—**Rouchy.** L'organisation de la pratique des accouchements à la campagne. Méd. inf., Par., 1947, 54: 57–64.—**Rules** governing an obstetrical service. Mod. Hosp., 1916, 6: 123.—**Salak, B.** [Organization and duties of midwives] Polska gaz. lek., 1937, 16: 259.—**Scarpitti, C., & Corrado.** Breve nota informativa sull'organizzazione sanitaria ostetrica e sull'assistenza materna nell'Unione Repubbliche Socialiste Sovietiche. Arte ostet., 1943, 57: 41–6.—**Skrobanski, C. C.** [Guarding motherhood; organization of help in confinement at home] J. akush., 1926, 37: No. 3, 227–32.—**Status** (The) of midwives; scheme for an organised service. Lancet, Lond., 1935, 1: 457–9.—**Szumińska, B.** Planowa organizacja pracy położnej. Zdrow. pub., 1948, 64: 82–4.—**Thomas, R. G.** El Servicio obstétrico de Croydon; resultados observados en el alumbramiento de 18,600 embarazadas previamente inscriptas. Día méd., B. Air., 1947, 19: 360–4.—**Vautrin, G.** Servicios de obstetricia y maternidades en Europa. Rev. méd. cubana, 1947, 58: 1–15.—**Waller, H.** The midwifery service in London. Lancet, Lond., 1935, 2: 1430.—**Wohlgemuth, M. C., & Gardiner, L. A.** Development and administration of prenatal, delivery and postpartum nursing services as a part of a generalized public health program. Tr. Am. Congr. Obst. Gyn. (1942) 1943, 2. Congr., 355–9.—**Zantbarg, R. L.** [Obstetrical assistance in the URSR in 1938 (from July 27, 1936)] Radianska med., 1939, 4: No. 10, 88–92.—**Zetzsche, L.** Maternity service; a community program. Pub. Health Nurs., Utica, 1940, 32: 374–7.

—— Personal needs, compensation, and status.

See also subheading Education.

Great Britain. Ministry of Health. Midwives Salaries Committee. Midwives S[ub] C[ommittee] notes. Lond., No. 5, 1948–

Alin, E. Om barnmorskornas pensionsanstalt. Jordemodern, Stockh., 1909, 22: 211–7.—**Barnmorskeväsendet** och 1908 års riksdag; pensions frågan. Ibid., 1908, 21: 65; passim.—**Calderini.** In che modo le levatrici potrebbero migliorare le loro condizioni morali e materiali. Lucina, Bologna, 1905, 10: 81–5.—**Fair** pay for midwives. Pub. Health, Lond., 1943–44, 57: 2.—**Giving** the midwife her due. Nurs. Times, Lond., 1943, 39: 585.—**Meddelande** från riksförsäkringsanstalten rörande Barnmorskornas Pensionsanstalt. Jordemodern, Stockh., 1905, 17: 201–3.—**Meurer, R. T.,** jr. [Status of the midwife] Ned. tschr. geneesk., 1940, 84: 856–64.—**Midwives'** salaries and conditions of service. Med. Off., Lond., 1941, 66: 132.—**Midwives'** salaries and uniform. Lancet, Lond., 1943, 2: 140.—**Report** of Midwives Salaries Committee. Med. Off., Lond., 1943, 70: 36.—**Report** (The) of the Midwives' Salaries Committee; summary of recommendations. Nurs. Times, Lond., 1943, 39: 593–5.—**Richter.** Die Versorgung der Hebammen für den Fall des Alters und der Invalidität. Ann. ges. Hebamwes., 1911, 2: 89–117.—**Rieländer, A.** Ueber die wirtschaftliche Lage der Hebammen nach dem Kriege. Gyn. Rdsch., 1917, 11: 26–8.—**Russell, V.** The rising status of the midwife. Med. Off., Lond., 1940, 63: 131.—**Walther, H.** Ein Beitrag zur sozialen Lage der Hebammen. Gyn. Rdsch., 1907, 1: 761–8. ——— Die neue Gebührenordnung für die Hebammen des Grossherzogtums Hessen. Zschr. deut. Hebamwes., 1909, 1: 46–56.

—— Prescription-writing.

See also **Midwifery** subheadings (Methods; Pharmacology)

Brindeau, A. Rapport sur la prescription des médicaments par les sages-femmes. Bull. Acad. méd., Par., 1944, 128: 389–91.—**Clancy, W. J.** Oxytocic injections by midwives. Brit. M. J., 1942, 1: 56.—**Fabre, R.** Sur les modifications à apporter aux dispositions de l'Arrêté du 22 mai 1917, relatives aux prescriptions des substances vénéneuses par les sages-femmes. Bull. Acad. med., Par., 1942, 126: 429.—**Frew, J. D.** Oxytocic injections by midwives. Brit. M. J., 1942, 1: 280.—**Le Lorier.** Rapport sur la réglementation de l'emploi par les sages-femmes du sublimé et de la pituitrine. Gynécologie, 1921, 20: 505–5. Also Bull. Soc. obst. gyn. Paris, 1921, 10: 312–20. ——— De l'emploi par les sages-femmes des extraits hypophysaires et du sublimé. Ibid., 1923, 12: 12.—**Rémy, Fruhinsholz** [et al.] De la réglementation de l'emploi par les sages-femmes du sublimé et des extraits hypophysaires. Ibid., 1922, 11: 36–8.—**Rhenter.** Rapport sur la réglementation de l'emploi par les sages-femmes des extraits hypophysaires et du

sublimé. Ibid., 256–9.—**Schrader.** Soll die intramuskuläre Injektion von Ergotin, Tennosin, Pituglandol der Hebamme freigegeben werden? Zschr. Medbeamte, 1924, **37**: 267–9.—**Stephen, A.** Oxytocic injection by midwives. Brit. M. J., 1942, **1**: 165.

—— Problems.

See also other subheadings (Education; Examination; Instruction, etc.)

Bowdoin, J. P. The midwife problem. J. Am. M. Ass., 1928, **91**: 460–2.—**Ekstein, E.** Zur Beseitigung des wunden Punktes für die Erklärung unserer unerfreulichen Hebammenverhältnisse. Gyn. Rdsch., 1916, **10**: 281.—**Emmons, A. B., jr, & Huntington, J. L.** A review of the midwife situation. Boston M. & S. J., 1911, **164**: 251–62.—**Kelemen, J.** [The problem of midwives] Népegészségügy, 1940, **21**: 720–2.—**La Torre, F.** Le pretese delle levatrici. Pensiero med., 1918, **8**: p. xx.—**Levy, W. E.** Our midwife problems. South. M. J., 1931, **24**: 815–20.—**Lillingston, C.** The troubles of the French midwife. Trained Nurse, 1934, **92**: 261.—**Macon, G. H.** The midwife problem. Tr. M. Soc. N. Carolina, 1918, **65**: 216–21.—**Mangiagalli, L.** La questione della levatrice. Ann. ostet. gin., 1921, **43**: 331–56.—**Maurizio, E.** Problemi delle arti ausiliari; le ostetriche. Q. clin. ostet., 1947, **2**: 133–5.—**Meiner, E.** Zur Hebammenfrage. Schweiz. med. Wschr., 1934, **64**: 254.—**Nicholson, W. R.** An anachronism of the twentieth century; the midwife. Tr. Coll. Physicians Philadelphia, 1921, n. ser., **43**: 494–522.—**Rissmann, P.** Unsere Schwierigkeiten und unser Ziel. Zschr. deut. Hebamwes., 1909, **1**: 3–12. ——— Ein paar alte Wünsche für das Hebammenwesen. Gyn. Rdsch., 1916, **10**: 20.—**Sedding, A.** Zur Hebammenfrage in Kurland. S. Petersb. med. Wschr., 1910, **35**: 487–9.—**Torggler, F.** Zu Rissmanns: Ein paar alte Wünsche für das Hebammenwesen. Gyn. Rdsch., 1916, **10**: 209–18.—**Williams, J. W.** The midwife problem and medical education in the United States. Tr. Am. Ass. Study Infant Mort. (1911) 1912, **2**: 165–94.—**Zanela, S.** Das Problem der Hebammen bei uns. Ann. paediat., Basel, 1939–40, **154**: 229 (Abstr.)—**Ziegler, C. E.** The elimination of the midwife. Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3**: 222–37.

—— Procedure.

See under **Midwifery**, Methods.

—— Relations to hospitals, and group medicine.

See also **Midwifery** subheadings (institutional; Social aspect)

Remy, G. *Ueber Beziehungen zwischen Krankenkassen, Krankenhäusern und Hebammen. 54p. 8° Bonn, 1937.

Fernández-Ruiz, C. La comadrona en la moderna obstetricia social. Tokogin. práct., Madr., 1947, **6**: 156–60. Also Enferm. argent., 1947–48, **4**: No. 38, 9–12.—**Lehmann.** Sicherung der Hebammenhilfe. Münch. med. Wschr., 1940, **87**: 1343.—**Panick, C.** Die rechtlichen Beziehungen zwischen Hebammen und Krankenkassen. Vertrauensarzt, 1934, **2**: 81–3.—**Reed, G. L.** A midwife surveys the Health Service Bill. Mother & Child, Lond., 1946, **17**: 72–4.—**Veronese, L. D.** Compiti sociali dell'ostetrica. Lucina, Roma, 1946, 118.—**Wofinden, R. C.** Social medicine and the midwife. Midwives Chron., Lond., 1948, **61**: 198–200. Also Nurs. Mirror, Lond., 1948, **87**: 313.

—— Relations to physicians.

See also **Midwifery**, Medical aspects; **Obstetrician**, Practice.

Bochin. Les rapports déontologiques des médecins avec les sages-femmes. J. obst. gyn. prat., Par., 1934, **5**: No. 7, 22–32.—**Champneys, F. H.** Midwives in England, especially in relation to the medical profession. S. Barth. Hosp. J., Lond., 1907–08, **15**: 24; 39.—**Colorni, C.** L'assistenza della levatrice al medico nella pratica privata. Lucina, Bologna, 1909, **14**: 114; 131; 185.—**Coul, P. G. op de** [Family doctor and midwife] Ned. tschr. geneesk., 1940, **84**: 4649–51.—**Engelsmann.** Die Stellung der Medizinalbeamten zu dem preussischen Hebammengesetz. Zschr. Medbeamte, 1927, **40**: 281–4.—**Fees** of medical practitioners called in by midwives. Brit. M. J., 1940, **1**: Suppl., 78.—**Hartmann, K.** Hebammenausbildung, die Hebung des Hebammenstandes und ärztliche Praxis. Gyn. Rdsch., 1913, **7**: 175–81.—**Israel.** Der praktische Arzt und das neue Hebammenlehrbuch. Reichs Med. Anz., 1905, **30**: 123.—**Jaworski, J.** O stosunku akuszerek do publiczności i lekarzy. Kron. lek., Warsz., 1907, **28**: 630–47.—**Kaye, J. R.** The midwife and the general practitioner. Brit. M. J., 1905, **2**: 651–3.—**Leff, S.** Confinement; doctor and midwife. Med. Off., Lond., 1949, **82**: 45; 55.—**Martin, E.** Die Hinzuziehung des Arztes durch die Hebammen. Zschr. Medbeamte, 1927, **40**: 722–6.—**Meuleman, C. F. T. J.** [Physician and midwife] Tschr. prakt. verlosk., 1923–24, **27**: 281–8.—**Obstetric** consultant service. N. York State J. M., 1942, **42**: 266.—**Savage, W. G.** Medical assistance for midwives in maternity cases. Med. Off., Lond., 1930, **43**: 197.—**Walker, A.** The midwife and the doctor. Middlesex Hosp. J., 1941, **41**: 50–4.—**Wilder, E. M.** The obstetric consultant. California J. M., 1911, **9**: 158–62.—**Zimdars.** Hebammengesetz und Amtsarzt. Oeff. Gesundhdienst, 1938–39, **4**: A, 899–906.

—— Relations to public health.

See also **Infant mortality**, Prevention; **Maternal welfare**, Problems; **Puerperal sepsis**, Prevention, etc.

Briddigkeit, C. *Mortalität der Mütter und Kinder bei den häuslichen Hebammengeburten in Ostpreussen. 23p. 8° Königsb., 1936.

Baldy, J. M. Is the midwife a necessity? Tr. Am. Ass. Study Infant Mort. (1915) 1916, **6**: 105–13; Disc., 123–38. Also Ann. ostet. gin., 1916, **1**: 429–37.—**Beattie, N. R.** The midwife as a unit in the public health service. Med. Off., Lond., 1928, **39**: 248–51.—**Beeby, N. V.** Public health aspects of obstetrical nursing. Am. J. Nurs., 1933, **33**: 763. ——— Where and what shall we teach? Ibid., 1937, **37**: 64–79.—**Bourne, A. W.** The effects of an inefficient midwifery service on the health of the female population. J. R. San. Inst., 1922–23, **43**: 165–7.—**Cantieri, C.** La missione politica e sociale della levatrice e la sua funzione nella organizzazione della lotta contro la malattie. Arte ostet., 1936, **50**: 244–50.—**Conti, N.** Müttersterblichkeit, Säuglingssterblichkeit und Hebammenwesen. Oeff. Gesundhdienst, 1935, **1**: B, 365–7.—**Doubleday.** How the midwife can help in the reduction of maternal and infantile mortality. Med. Off., Lond., 1925, **34**: 264.—**Esser.** Die Bekämpfung der Säuglingssterblichkeit und die Tätigkeit der Hebammen. Zbl. allg. Gesundhpfl., 1907, **26**: 109–14.—**Fairbairn, J. S.** Maternity nursing in relation to maternal morbidity. Med. Off., Lond., 1929, **42**: 28.—**Hilbert, H.** Nursing in a maternal health program. Pub. Health Nurs., 1940, **32**: 176–82.—**Hillenberg.** Mitwirkung der Hebammen bei der ländlichen Gesundheitspflege. Zschr. Medbeamte, 1907, **20**: 833–41.—**Kätilön** suhde n. s. naistauteihin. Kätilölehti, Helsin., 1906, **11**: 23–9.—**Kurzeja, B., & Kulczyńska, M.** [Reorganization of midwives for the improvement of health conditions in the rural provinces] Polska gaz. lek., 1937, **16**: 105–7.—**Le Lorier.** Les sages-femmes et la santé publique. J. prat., Par., 1941, **55**: Suppl., 1313.—**Lobenstine, R. W.** The influence of the midwife upon infant and maternal morbidity and mortality. Am. J. Obst., 1911, **63**: 876–80.—**Morris, E. S.** Some observations on midwifery from the public health viewpoint. Med. J. Australia, 1930, **2**: 317–23.—**Musgrave, J. A.** The role of the midwife in the public health scheme. Irish J. M. Sc., 1932, ser. 6, 203–13.—**Novak, D.** Heranbildung junger Hebammen zur Mitarbeit in der Gesundheitsfürsorge. Zschr. Kinderschutz, Wien, 1935, **27**: 80–2.—**Rahnow.** Ueber Beteiligung des Hebammenstandes bei Bekämpfung der Volkskrankheiten. Allg. deut. Hebam. Ztg, 1906, **21**: 216–8.—**Robert de Romeu, M.** Relation of the assistant midwife to public health in Puerto Rico. Puerto Rico Health Bull., 1939, **3**: 229–35.—**Robinson, A.** The trained midwife; her effect upon infantile mortality. Pub. Health, Lond., 1908–09, **22**: 422–5.—**Stirling, T. S.** Role of the midwife in preventive medicine. Nurs. Mirror, Lond., 1946, **83**: 455.—**Yelton, A.** What the obstetrical nurse contributes to nursing education in maternity care. Hospitals, 1936, **10**: No. 8, 52.

—— rural, and county.

See also other subheadings (Organization of service; Relations to public health) also **Midwifery**, Geography.

Beck, R. *Geburten und Geburtshilfe in ländlichen Verhältnissen; eine statistische Studie aus den Geburtstabellen des Amtes Sursee über die letzten 39 Jahre [Basel] 70p. 8° Ingenbohl, 1930.

Allen, F. R. W. Indian village obstetric emergencies. Antiseptic, Madras, 1945, **42**: 479–88.—**Avendaño P., O.** La práctica obstétrica en el medio rural. Bol. méd. social, Santiago, 1939, **6**: 527–31.—**Beekenkamp, T.** [Obstetrics in the country] Ned. tschr. verlosk, 1927, **32**: 1–28.—**Blackburn, L.** The midwife problem in rural areas of the South. Trained Nurse, 1939, **103**: 128–30.—**Buker, H. B.** Planning for a rural delivery service. Pub. Health Nurs., 1940, **32**: 493.—**Colvard, G. T.** Rural obstetrics, deliveries in the home. Southwest M., 1934, **18**: 2.8.—**Croom, H. B.** The country midwife. Tr. M. Soc. N. Carolina, 1909, **56**: 269–71.—**Daniel, J. L.** The rural midwife; her social and economic background and her practices as observed in Brunswick County, Va. Pub. Health Rep., Wash., 1935, **50**: No. 52, 1807–15.—**DeLoatch, J. S.** Midwife work in Northampton County; past and present. Health Bull., Raleigh, 1941, **56**: No. 4, 7–9.—**Dyer, I.** Management of a maternity service with nurse attendance at delivery in a rural area; a preliminary report. J. Oklahoma M. Ass., 1941, **34**: 108–11. ——— Ideals in rural obstetrics. Ibid., 1942, **35**: 238–41.—**Ferguson, E. R.** Nurse-midwives serve a rural county. Pub. Health Nurs., 1943, **35**: 187–92.—**Gaifami, P.** A proposito di infezioni puerperali, di esercizio abusivo e dell'assistenza ostetrica rurale. In his Convers. &

lez. ostet. gin., Roma, 1933, 468–77.—**Gortari, M.** Asistencia obstétrica en campaña. Arch. urug. med., 1937, **11**: 135–44. Also Bol. sal. púb., Montev., 1941, 2. época, **1**: 96–102.—**Jiménez Camacho, J. B.** Obstetricia rural en la sierra del Perú. Crón. méd., Lima, 1939, **56**: 89; 1940, **57**: 213. Also Día méd., B. Air., 1941, **13**: 787.—**Klugh, G. F.** Improvement of rural obstetrics with special reference to the midwife. J. S. Carolina M. Ass., 1917, **13**: 764–6.—**Knox, J. H. M.**, jr, **Peckham, C. H.**, & **Wegman, M. E.** Obstetric care in rural areas; based on a study of 1,523 births in Maryland. Child, Wash., 1941, **6**: 59–65.—**Kooser, J. H.** Mountain obstetrics. Q. Bull. Frontier Nurs. Serv., Lex., 1937–38, **13**: No. 3, 7–13. ——— Rural obstetrics; a report of the work of the frontier nursing service. South. M. J., 1942, **35**: 123–31.—**Levi, M. F.** [Organization of obstetrical aid in rural medical districts] Sovet. med., 1938, No. 21, 47; 1939, No. 19, 34. ——— [The tasks of rural midwives at the present time] Feldsher, Moskva, 1942, 16–21.—**Lissack, E.** A simple and safe rural obstetric service. Radiol. Rev., 1938, **60**: 133–6. ——— Herewith is outlined a safe rural obstetric service. Med. World, N. Y., 1946, **64**: 101; 154.—**McIver, P.** The maternity nursing program in rural health departments. Pub. Health Nurs., 1936, **28**: 745–51.—**Martin, A. C.** Rural obstetrics. Mother & Child, 1923, **4**: 508–11.—**Meigs, G. L.** Rural obstetrics. Tr. Am. Ass. Study Infant Mort., 1916, **7**: 46–75.—**Mendenhall, D. R.** Report on obstetrical conditions in country communities. Ibid. (1914) 1915, **5**: 233.—**Mikhailov, V. P.** Osnovnye principy organizacii rodovspomozheniia v selskikh mestnostiakh. Akush. gin., 1947, No. 4, 1–6.—**Monkoseiev, L. A.** [Practical possibilities of enlarging field of obstetric help in village] Profil. med., Kharkov, 1927, **6**: No. 5, 75–84.—**Perrin, M.** La raréfaction des sage-femmes rurales, facteur de la dépopulation des campagnes. Concours méd., 1940, **62**: 299.—**Piper, W. A.** Rural obstetrics and a comparative study of its relation to puerperal mortality statistics. Minnesota M., 1926, **9**: 489–94.—**Preston, J.** The obstetric problem in rural areas. Child, Wash., 1939, **3**: 224. Also Health Bull., Raleigh, 1939, **54**: No. 5, 9–12. Also Am. J. Nurs., 1941, **41**: 389.—**Rice, G. V.** Maternity services in rural areas. J. M. Ass. Georgia, 1949, **38**: 15–7.—**Rio, J. del.** Midwife's supervision in the rural areas of Puerto Rico. Puerto Rico Health Bull., 1938, **2**: 171–4.—**Rodov, J. C.**, & **Tapelson, S. L.** [Dresser and dresser-midwife stations in rural medical service] Sovet. zdravoohr., 1945, No. 9, 22–7.—**Rouchy, R.** L'organisation de la pratique des accouchements à la campagne. Puériculture, 1948, **22**: 203–8.—**Sonnenberg, A. A.** La obstetricia en el campo. Sem. méd., B. Air., 1915, **22**: 403–8.—**Stewart, I.** Obstetrics in rural Saskatchewan: with special reference to the question of midwives. Canad. M. Ass. J., 1936, **34**: 439–41.—**Teixeira, J. R.** Aspectos de assistencia obstétrica rural. Rev. med. Bahia, 1943, **11**: 208–12.—**Thomson, H. H.** Midwifery service in a rural district. J. State M., Lond., 1935, **43**: 28–31.—**Turenne, A.** Medios para mejorar la asistencia obstétrica en campaña. Arch. urug. med., 1937, **11**: 124–34.—**Weber, A.** Geburtshilfe auf dem Lande. Münch. med. Wschr., 1936, **83**: 1674–8.—**Whitridge, J.**, jr. Toward better care for rural mothers. Child, Wash., 1947–48, **12**: 98.—**Williams, S. J.** A county home delivery nursing service. Pub. Health Nurs., 1945, **37**: 317–21.—**Willis, M. H.** Better storks for Alberta. Canad. Nurse, 1944, **40**: 249–52.

—— Schools.

See also other subheadings (Education; Instruction; Laws) also **Nursing school.**

Brekel, V. F. J. A. J. van den. *De kunstverlossingen in de Wilhelminaschool, kweekschool, voor vroedvrouwen, te Heerlen, kritisch beschouwd [Amsterdam] 80p. 8° Heerlen, 1932.

Corner, C. La scuola di ostetricia del Collegio medico-chirurgico di Venezia. 60p. 21cm. Padova, 1841.

Havé, P. A. *Sages-femmes et école d'accouchement à Colmar [Strasbourg] 34p. 24½cm. Colmar, 1934.

Martin, R. *Geschichtliches und Medizinisches über die Anfänge der staatlichen Hebammenschule, Entbindungsanstalt und Frauenklinik zu Bamberg. 63p. 21½cm. Erlangen, 1936.

Riessen, H. *Die deutschen Geburtshelferschulen (ein Beitrag zur Geschichte der Geburtshilfe) [Würzburg] 36p. 8° Wertheim, 1934.

Siirala, M. Kätilölaitoksemme viimeaikaisesta kehityksestä, 1900–30. p.835–915. 22cm. Helsin., 1933.

In: Duodecim, Helsin., 1933, **49**:

Baker, S. J. Schools for midwives. Tr. Am. Ass. Study Infant Mort. (1911) 1912, **2**: 232–43.—**Bauch, B.** Bevölkerungsproblem und Hebammen-Lehr-Anstalt. Mschr. Geburtsh. Gyn., 1918, **48**: 49–64.—**Baum, P.** Die Anstellungsverhältnisse der Hebammenlehrer. Zschr. deut. Hebamwes., 1910, **2**: 254–67.—**Bienerth, v.** Eine deutsche Hebammen-Lehranstalt in Böhmen. Korbl. Verein. Aerzte Reichenberg, 1906, **19**: No. 4, 1–4.—**Bossi, L. M.** Per il Concorso alla Scuola di ostetricia di Novara nel 1908. Clin. ostet., 1909, **11**: 1–15. ——— & **De Blasi, V.** L'indirizzo della nostra scuola; lcsione di chiusura dell'anno scolastico 1909–10. Gin. mod., Genova, 1910, **3**: 293–319.—**Buck, D. F.** The Frontier Graduate School of Midwifery. Q. Bull. Frontier Nurs. Serv., Lex., 1942–43, **18**: No. 2, 31–6.—**Buerki, R. C.** The role of the hospital in medical and nursing obstetrie education. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 839–41.—**Caizergues, J. F.** Sur les cours gratuits d'accouchements dans la Province de Languedoc, de 1781 à 1789. Bull. Soc. fr. hist. méd., 1933, **27**: 133–46.—**Cinquantenaire** (Le) de l'Ecole des Sages-Femmes, 1883–1933. J. obst. gyn., Par., 1933, **4**: No. 7, 19–25.—**College** (The) of Midwives, London. Nurs. Times, Lond., 1941, **37**: 1015.—**Delaunay, P.** L'obstétrique dans le Maine et dans le département de la Sarthe aux 18. et 19. siècles; les cours provinciaux et départementaux d'obstétrique. France méd., Par., 1909, **56**: 240; passim.—**Dopson, L.** Midwifery in Edinburgh; an historical sketch: 1. The worlds' first professor of midwifery. Nurs. Times, Lond., 1946, **42**: 1013. ——— 2. The extramural school. Ibid., 1947, **43**: 55.—**Essen-Möller, E.** Barnmorskeläroanstalten i Lund. Jordemodern, Stockh., 1908, **21**: 173–8.—**Gaifami, P.** Per le scuole ostetriche. Clin. ostet., 1943, **45**: 85–7.—**Goggans, L. M.** Florida's first institute for midwives. Pub. Health Nurs., 1934, **26**: 133–6.—**Guicciardi, G.** Per le scuole ostetriche pareggiate. Atti Soc. ital. ostet., 1911, **16**: p. lxx–lxxix.—**Hiranandani, K. M.** The teaching of midwifery in Dublin Schools. Pract. Med., Delhi, 1926, **24**: 221–6.—**Hucklenbrorch.** Medizinische Fakultät und Hebammenschule. Festschr. Deut. Naturforsch., 1898, 70. Kongr., 141–5.—**Hugenberger, T.**, sr. Bericht aus dem Hebammeninstitute Ihrer Kaiserl. Hoh. der Frau Grossfürstin Helene Pawlowna zu St. Petersburg für den 15jährigen Cyclus von 1845 bis 1859 incl. S. Petersb. med. Zschr., 1863, **4**: 65; 129; 209.—**Hughes, E. C.** Use of the home delivery service in Syracuse in the teaching of obstetrics. J. Ass. Am. M. Coll., 1939, **14**: 150–5.—**Kenney, J. A.** The first graduating class of the Tuskegee School of Midwifery. J. Nat. M. Ass., N. Y., 1942, **34**: 107–9.—**Kirstein, F.** Wie ist der theoretische und praktische Unterricht der Schülerinnen in den Hebammenlehranstalten nach dem Hebammenlehrbuch am zweckmässigsten zugestalten? Ann. ges. Hebamwes., 1912, **3**: 83–106.—**Knapp, L.** Zur Vorgeschichte der deutschen Hebammenschule in Prag. Gyn. Rdsch., 1909, **3**: 701–9. ——— Der diesjährige deutsche Kurs an der k. k. Hebammenlehranstalt in Prag. Zschr. deut. Hebamwes., 1911–12, **3**: 196–202.—**Köstlin.** Wie ist der Lehrgang der Hebammenschülerinnen in den Hebammenlehranstalten am besten zu gestalten? Ann. ges. Hebamwes., 1911, **2**: 57–82.—**Lapsenpäästölaitokoet** suomessa 1906. Kätilö lehti, Helsin., 1909, **14**: 126–32.—**La Torre, F.** Per il concorso alla scuola di ostetricia di Novara nel 1908. Clin. ostet., 1908, **10**: 554.—**Leija Paz de Ibarra, C.** La importancia que reportaría para México la creación de la Facultad nacional de enfermería y obstetricia. Rev. cir. Hosp. Juárez, Méx., 1943, **15**: 123–34.—**Levy, J.** Midwife classes. Proc. Conf. State Dir. Maternity Act, 1926, **3**: 61–71.—**Lindahl, G.** Muistünpanoja ulkomaiden lapsenpäästölaitoksista. Kätilö lehti, Helsin., 1909, **14**: 65; passim.—**Macafee, C. H. G.** The history of the Belfast School of Obstetrics, 1793–1933. Ulster M. J., 1942, **11**: 20–50.—**Martin, E.** Die Rheinische Prov.-Hebammenlehranstalt im Jahre 1920. Mschr. Geburtsh. Gyn., 1921, **54**: 259–62.—**Maurizio, E.** Attività della R. Scuola ostetrica di Trieste nel 1937. Arte ostet., 1938, **52**: 336–40.—**Meuleman, C.** [The School for Midwives in Haarlem] Ziekenhuis, 1928, **19**: 135.—**Micheli, C.** La Guardia ostetrica di Roma, sezione esterna della clinica. Fol. gyn., Pavia, 1922, **16**:–**17**: 643–71, pl., 5 ch.—**Midwifery** schools. Annual Rep. Centr. Field Health Sta. [China] Nanking (1935) 1936, 33.—**Midwives** and their college. Lancet, Lond., 1942, **1**: 49.—**Montuoro, F.** Il primo passo (a proposito della Scuola ostetrica di Salerno) Riv. ostet., 1936, **18**: 299.—**Mossé, C.** Organisation et fonctionnement de l'École d'accouchement de la Maternité de Paris. Rev. fr. gyn. obst., 1933, **28**: 245–52.—**Muller, H.** Cinquantenaire de la fondation de l'Ecole de sages-femmes de l'Université Catholique de Lille. J. obst. gyn., Par., 1933, **4**: No. 4, 26–9.—**Omdurman** Midwives School. Rep. Sudan M. Serv., 1946, 61.—**Richter.** Die Kgl. Frauenklinik zu Dresden als Lehranstalt für Aerzte und Hebammen. Münch. med. Wschr., 1911, **58**: 961–4.—**Riley, R. H.** The public health aspect of the teaching of obstetrics, in undergraduate medical schools. Fed. Bull., Chic., 1936, **22**: No. 10, 291–8.—**Rodríguez Barros, J.** La Escuela de obstetricia y puericultura para matronas, de la Universidad de Chile. Rev. benef. púb., Santiago, 1918, **2**: 19–40.—**Ruete, T.** A midwifery school in Uganda staffed by native women. Trained Nurse, 1927, **79**: 33.—**Santi, E.** E opportuno che la Scuola d'ostetricia di Udine continui a funzionare? Friuli med., 1946, **1**: 14–8.—**Stajić, V.** Predlog za osnivanje zavoda za babice u Novom Sadu. Bibl. Centr. hig. zavod., Beogr., 1937, No. 25, 128–30.—**Thomas, M.** Extension of nurse-midwife services and the development of schools for nurses in midwifery. Tr. Am. Congr. Obst. Gyn. (1942) 1943, 2. Congr., 351–4.—**Uzureau, F.** Le cours d'accouchement à Angers (1792–1807) France méd., 1913, **60**: 461.—**Valle, G.**

Consuntivo di un triennio di attività alla Scuola di ostetricia di Vercelli ed annesso reparto ospitaliero, 1945–48. Ginecologia, Tor., 1949, **15**: 179–87.—**Venter, D. P. J.** Die eerste vroedkundeskool in Suid Afrika. S. Afr. M. J., 1935, **9**: 189.—**Vermelin, H.** L'Ecole de sages-femmes de Nancy. Puériculture, 1949, **23**: 29–32.—**Viana, O.** La Storia dell'insegnamento ostetrico in Verona. Arte ostet., 1939, **53**: 317–27.—**Wesselink.** The terms of admission and the training of midwives at the Government Training College for Midwifery in Rotterdam. J. Obst. Gyn., Lond., 1934, **41**: 562–7.—**Wile, I. S.** Schools for midwives. Med. Rec., N. Y., 1912, **81**: 517.

—— Statistics, and census.

Albano, G. Pletora di ostetriche. Lucina, Roma, 1946, 87; passim.—**Berkeley, C., & Brown, L. F.** The shortage of midwives. Brit. J. Nurs., 1943, **91**: 107.—**Berufsstand** (Der) der Hebammen in Zahlen. Med. Klin. Berl., 1929, **35**: 1559.—**Boynton, R. E.** The midwife survey in Minnesota showing nationality, age and grading of midwives interviewed. Child Health Mag., 1924, **5**: 164.—**Disappearing** (The) midwife. Westchester Health, 1930–31, **1**: No. 18, 1.—**Guidetti, M. L.** Pletora di ostetriche. Lucina, Roma, 1947, **12**: 21.—**Prinzing, F.** Die Zahl der Hebammen in den europäischen Staaten. Soziale Med. & Hyg., Hamb., 1908, **3**: 1–17.—**Shortage** (The) of midwives. Brit. M. J., 1943, **2**: 333.—**Shortage** of practicing midwives [Gr. Britain] J. Am. M. Ass., 1942, **120**: 977.—**Vanishing** (The) midwife. Statist. Bull. Metrop. Life Insur., 1948, **29**: No. 12, 6–10.—**Zahl** (Die) der freiberuflich tätigen Hebammen und der Hebammengeburten. Deut. Hebamme, 1945, **60**: 3.

—— Unusual type.

See also subheading (male)

Birth in a boat. Time, 1942, **39**: No. 15, 23.—**Franc-Nohain.** L'accouchement (thèse de gendarmes) Gaz. méd. belge, 1906–07, **19**: 51–5.—**Meige, H., & Huard, S.** Un taureau accoucheur; d'après une gravure hollandaise du 17. siècle. Aesculape, Par., 1933, n. ser., **23**: 67–71.—**Mother** attending daughter's confinement. Lancet, Lond., 1943, **1**: 689.

—— in various countries.

See also **Midwifery,** Geography.

Böмcke, G. *Das badische Hebammenwesen [Freiburg] 82p. 8° Wiesenb. (Mark) 1936.

African midwife, good progress in Nairobi. Nurs. Times, Lond., 1946, **42**: 588.—**Angerer, E.** Unsere Hebammen. Zschr. Medbeamte, 1908, **21**: 529–41.—**Bennett, F. W.** Midwife work in Virginia. Hosp. Social Serv., 1932, **25**: 307–9.—**Breckinridge, M.** Midwifery in the Kentucky mountains; an investigation in 1923. Q. Bull. Frontier Nurs. Serv., Lex., 1941–42, **17**: No. 4, 29–53.—**Castillo, J. O.** The practice of midwifery in Cebu Province by unlicensed midwives and its relation with puericulture-center work. J. Philippine Islands M. Ass., 1929, **9**: 403–6.—**Conti, N.** Das Hebammenwesen in den Ländern Europas. Deut. Aerztebl., 1942, **72**: 268–70. ——— Hebammen in Kriegseinsatz. Gesundheitsführung, 1944, 79–82.—**Crowell, F. E.** The midwives of New York. Charities, N. Y., 1906–07, **17**: 667–77.—**De Normandie, R. L., & Huntington, J. L.** Report of New England Committee on midwives. Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3**: 266–71.—**Elder, A. T.** The midwife in Northern Ireland. Med. Off., Lond., 1948, **79**: 99–102.—**Gallardo, M. A.** Asistencia del parto en El Salvador. Bol. Of. san. panamer., 1924, **24**: 118–26.—**Ganguillet.** Das Hebammenwesen der Schweiz; Ueberblick über den gegenwärtigen Stand des Hebammenwesens in den verschiedenen Kantonen der Schweiz. Ann. ges. Hebammenwes., 1911, **2**: 276–319.—**Jeidell, H., & Fricke, W. M.** The midwives of Anne Arundel County, Maryland. Johns Hopkins Hosp. Bull., 1912, **23**: 279–81.—**Laurence, S. M.** The evolution of the Trinidad midwife. Carib. M. J., Trinidad, 1941, **3**: 204–8.—**Leisewitz.** Bericht über die 14tägigen Fortbildungs- und Wiederholungskurse für angestellte Hebammen 1909–10 und über den Unterricht der Hebammenschülerinnen an der K. Frauenklinik und Hebammenlehranstalt zu Dresden. Gyn. Rdsch., 1911, **5**: 13–20.—**Lodge, O.** Babin den; midwives' day in Bulgaria. Man, Lond., 1947, **47**: 83–5.—**Margitay-Becht, D.** Magyarország bábaviszonyai 1941-ben. Népegészségügy, 1943, **24**: 229–32.—**Massee, L.** The passing faithful. Trained Nurse, 1941, **107**: 24–6.—**Mathes, P.** Oesterreichisches Hebammenwesen. Zschr. deut. Hebammwes., 1909, **1**: 57–71.—**Midwives** [Scotland] Annual Rep. Dep. Health Scotland, 1939, **10**: 76.—**Midwives** in emergency. Lancet, Lond., 1940, **2**: 370.—**Montuoro, F.** Ostetricia coloniale (ostetrici bianchi e levatrici negre) Riv. ostet., 1936, **18**: 65–7.—**Nakayama, K.** Gendai sanba ron [midwives of the present day] Health & Midwif., Tokyo, 1949, **3**: 7.—**Noble, M. R.** The present midwife situation in Pennsylvania, 1922–23. Mother & Child, 1923, **4**: 553–7. ——— Midwife work in Pennsylvania. Atlantic M. J., 1925–26, **29**: 625–8. ——— A summary of the midwife situation in Pennsylvania. Ibid., 1926–27, **30**: 67. ——— Lessons from the midwife situation in Pennsylvania. Pub. Health Nurse, Clevel., 1927, **19**: 177–9.—**Ovesný, L.** Ustavy pro vzdělání a výcvik porodních asistentek ve Francii. Cesk. gyn., 1949, **14**: 515–8.—**Pachner, F.** Das österreichische Hebammenwesen und seine nötige Reform. Zschr. deut. Hebamwes., 1910–11, **2**: 355; 1911–12, **3**: 120; 203.—**Pellissier, P.** La sage-femme à Buenos Ayres. Arch. obst. gyn., Par., 1916, **5**: 160–8.—**Pérez Marín, J.** Las kablatz o comadronas marroquies. Rev. pract., Valencia, 1948, 2. epoca, **4**: 487–9.—**Pickworth, M. H.** A midwife with the Munda tribe. Nurs. Times, Lond., 1944, **40**: 797.—**Plecker, W. A.** The midwife problem in Virginia. Tr. M. Soc. Virginia, 1914, **45**: 111–3.—**Pokrovsky, V. A.** [Midwives at the present time (in Soviet Russia)] J. akush., 1930, **41**: 554–8.—**Raics, J.** [Free practice of midwives] Népegészségügy, 1939, **20**: 890–6.—**Rapport** der commissie in zake het vroedvroumenvraagstuk hier te lande, benoemd door het hoofdbestuur der Nederlandsche Maatschappij tot bevordering der geneeskunst, etc. Ned. tschr. geneesk., 1911, **1**: 1105–82.—**Reid, B., & Okon, A. A.** Midwives varied work in Africa. Nurs. Mirror, Lond., 1949–50, **90**: 69.—**Renner, W.** Management of labour by native midwives [Sierra Leone] J. Trop. M. Hyg., Lond., 1909, **12**: 357.—**Rissmann, P.** Trübe Aussichten für den deutschen Hebammenstand. Gyn. Rdsch., 1917, **11**: 75–7; Disc., 99–102. ——— Zur jetzigen Lage des deutschen und insonderheit des preussischen Hebammenwesens. Mschr. Geburtsh. Gyn., 1925, **69**: 1–3.—**Rodenwaldt, E.** Eingeborene Hebammen in Anecho, Togo, Westafrika. Deut. med. Wschr., 1912, **38**: 275–5.—**Rødtness, J.** Midwives in Denmark. Pub. Health Nurse, 1926, **18**: 324–8.—**Schmid-Lamberg, H.** Leben und Arbeit der Hebammen im heutigen Deutschland. Schweiz. Hebamme, 1948, **46**: 26.—**Schwass.** Die Hebammenverhältnisse Hohenzollerns. Berl. klin. Wschr., 1905, **42**: Fest. Num., 32–4.—**Senn, N.** Midwives and dias. In his Around the World, Chic., 1905, 219.—**Sherwood, M.** The midwives of Paltimore; a report to the Medical and Chirurgical Faculty of Maryland. J. Am. M. Ass., 1909, **52**: 2009.—**Sweden;** report on a visit by Dr. F. Grundy. Midwives Chron., Lond., 1947, **60**: 97–101.—**Tätigkeit** (Die) der Hebammen in Bayern, Reichsgesundhbl., 1935, **10**: 595.—**Tuidraki, P.** New Hebrides midwife. Native M. Pract., Suva, 1940, **3**: 488.—**Unscientific** midwife. Carib. M. J., Trinidad, 1941, **3**: 215.—**Wallace, H. M., Mendelson, C. L.** [et al.] The practice of midwives in New York City. N. York State J. M., 1948, **48**: 67–71.—**Watson, E. R.** Changing an old Southern custom. J. M. Ass. Georgia, 1944, **33**: 306–11.—**Williams, J. W.** Medical education and the midwife problem in the United States. J. Am. M. Ass., 1912, **58**: 1–7.—**Wolf, W.** Das Hebammenwesen. Reichs Med. Anz., 1911, **36**: 456–8.—**Zinsser, A.** Geschichtliches über den Hebammenstand und die Hebammenlehranstalt zu Jena. Zschr. deut. Hebamwes., 1910, **2**: 115–25.

MIDWIFERY.

For the medical practice of midwifery see **Obstetrics.** See also **Midwife; Obstetrician.**

Helwig, R. R. *Hebammenarbeit; ihre Entwicklungsmöglichkeiten und Grenzen. 26p. 8° Bonn, 1935.

Marcour, R. O. Midwifery; woman's profession. 7p. 12° N. Orl., 1908.

Anderson, V. R. Midwifery; a résumé. Pub. Health Nurse, Clevel., 1926, **18**: 173–6.—**Bonney, V.** The necessity of recognizing midwifery as a branch of surgery. Brit. M. J., 1916, **1**: 552–4.—**Campbell, J.** Maternity nursing. Med. Off., Lond., 1929, **42**: 27.—**Corbin, H.** What result, maternity nursing? Pub. Health Nurs., 1936, **28**: 730.—**Erostarbe.** Asistencia á los partos. Med. pract., S. Fernando, 1905, **4**: 253–9.—**Evans, D. J.** Obstetric nursing. Montreal M. J., 1908, **37**: 22–35.—**Jones, A. M.** Economics of obstetric care from the standpoint of nursing. Tr. Am. Congr. Obst. Gyn. (1942) 1943, 2. Congr., 409–15.—**Joseph,** Sister **M., & Redempta,** Sister **M.** Studies on nursing time requirements; a study of the ratio of nursing care of patient hours between normal mothers and normal infants, normal mothers and premature infants. Hosp. Progr., 1944, **25**: 91–5.—**Little, H. M.** On obstetric nursing. Montreal M. J., 1909, **38**: 485–94.—**Love, J. W.** A babe is born. J. Canad. M. Serv., 1945–46, **3**: 530–2.—**MacDonell, W. W.** Midwife obstetrics. J. Florida M. Ass., 1919, **6**: 39–41.—**Springer, R., & Consella, M.** Studies on nursing time requirements; a study of the time required in nursing normal obstetrical patients as compared with the time element in nursing normal infants. Hosp. Progr., 1944, **25**: 96–101.—**Vinhaes, D.** Assistencia obstétrica. An. Soc. med. Bahia, 1935, **2**: 76–96.—**Vogt, W. H.** Obstetrical nursing; sectional meeting of the C. H. A. convention. Hosp. Progr., 1937, **18**: 340–5.

—— Bibliography.

See also subheadings (History; Manuals; Periodicals)

Roider, W. *Ein Augsburger Hebammenbuch aus dem Jahre 1751; eine Studie zum Stande der deutschen Geburtshilfe um die Mitte des 18. Jahrhunderts [München] 36p. 21cm. Tüb., 1938.

Von Weiberen und Geburten der Kinder, sampt ihren Artzneyen. 106p. 16° Strassb. 1659.

Alfieri, E. Una edizione italiana finora sconosciuta del "Rosengarten" di Eucharius Roesslin (Eucario Rhodione)

Atti Accad. stor. arte san., Roma, 1941, 7: 296–8.—**Birnberg, C. H.** Saga of obstetrics; first text book on obstetrics in America. Phi Delta Epsilon News, 1937, 28: 125–7.—**Boutarel, M.** L'accouchement dans la vieille littérature. Arch. obst. gyn., Par., 1918, 7: 212–6.—**Costa-Sacadura.** Bibliografia portuguesa da obstetricia; subsídios séculos 16–18. Arq. obst. gin., 1933, 1: 41; 1934, 1: 153.—**D'Arcy, C. E.** Two old midwifery books. Med. J. Australia, 1929, 2: 186–90.—**Jordan, P. D.** Meeker Day on midwifery. Ohio M. J., 1943, 39: 1133.—**Knapp, L.** Zur Geschichte der Hebammenliteratur. Wien. klin. Wschr., 1914, 27: 892.—**Malcovati, P.** La Mostra del libro antico di ostetricia e ginecologia (Raccolta Alfieri) Arte ostet., 1936, 50: 283–90.—**Pansier, P.** Un manuel d'accouchements du 15. siècle. Janus, Amst., 1909, 14: 217–20, 8 pl.—**Phillips, M.** [The collecting of old books on midwifery] Proc. Cardiff M. Soc., 1939–40, 61–75.—**Roth, E.** Allgemeine Bibliographie des Hebammenwesens. Ann. ges. Hebammenwes., 1914, 5: 105–84.—**Rucker, M. P.** Leaves from a bibliotheca obstetrica. Bull. Hist. M., 1946, 19: 177–99.—**Weindler.** Das erste deutsche Hebammenbuch von Eucharius Roesslin. Sächs. Hebam. Ztg, 1906, 3: 91–5.—**Wille, P. F. C.** Frühe Hebammenlehrbücher. Arch. Gyn., Münch., 1948, 176: 100–8.

—— Cases.

See also **Midwife,** Experiences.

Böttcher, T. Vorzeitige Lösung der Nachgeburt. Allg. deut. Hebam. Ztg, 1904, 19: 169. ——— Sturzgeburt-Verblutung. Ibid., 170. ——— Wasserkopf, Anbohrung, Tod der Mutter. Ibid., 171.—**Budin, P.** Bassin rétréci; accouchement spontané. J. sages femmes, Par., 1904, 32: 137; 153; 161.—**Cameron, J. A.** Notes on midwifery cases. Australas. M. Gaz., 1904, 23: 400–7.—**Campen.** Bericht über eine Sturzgeburt. Allg. deut. Hebam. Ztg, 1905, 20: 379.—**Clancy, W. J.** Some surprises in midwifery. Nurs. Times, Lond., 1943, 39: 684; 704.—**Hillekamp, T.** Zwei Geburten mit tödlichem Verlaufe. Allg. deut. Hebam. Ztg, 1906, 21: 198.—**Lacrotte, G.** Mort subite au cours d'un accouchement normal par syncope? J. sages femmes, Par., 1911, 39: 301.—**Legrand, M.** V-pare albuminurique et infiltrée; hémorragie par placenta latéral; accouchement spontané à 8 mois et demi d'un enfant mort-né; suites heureuses pour la mère. J. accouch., Liége, 1905, 26: 300.—**Midwifery** in the fire zone. Brit. M. J., 1914, 2: 689.—**Nebiolo, A.** Assistenza ad un parto con procidenza di funicolo e ritenzione di placenta; Envie Cuneo, in tempo di guerra e senza medico. Lucina, Roma, 1948, 13: 367.—**Nour, G. E.** A fatal obstetric case: illustrating conditions of practice in Egypt. Med. Council, Phila., 1907, 12: 437.—**Reid, J.** Three cases in midwifery practice. Brit. M. J., 1913, 1: 338.—**Roe, T. I.** Report of three cases of midwifery. Tr. Luzerne Co. M. Soc., 1904, 12: 136.—**Solberg.** Et sjeldent tilfælde af selfudirkling. Tskr. jordmød., 1908, 14: 49.—**Sturzgeburt** mit starker Blutung. Allg. deut. Hebam. Ztg, 1906, 21: 381.—**Weindler, F.** Ueber Sturzgeburten. Sächs. Hebam. Ztg, 1905, 2: 109–12. ——— Eine Sturzgeburt; kasuistische Mitteilung. Zbl. Gyn., 1905, 29: 1127–32.—**Wollesen, N.** Et tilfælde af fremfald af livmoderen under fødslen. Tskr. jordmød., 1890–91, 1: 21.

—— Condition and progress.

Schmid, M. v. Mutterdienst; nach einem öffentlichen Vortrage zur Hebammenfrage. 24p. 8° Lpz., 1907.

Spencer, H. R. The renaissance of midwifery. 41p. 8° Lond., 1924.

Corbin, H. Modern obstetric nursing. Am. J. Nurs., 1946, 46: 535–7.—**DeLee, J. B.** Meddlesome midwifery in renaissance. J. Am. M. Ass., 1916, 67: 1126–9.—**Doherty, W. B.** Old and new arts in parturition. Kentucky M. J., 1911, 9: 517–22.—**Emblin, N.** Recent advances in obstetrics. Nurs. Mirror, Lond., 1945, 81: 219.—**Hemschmeyer, H., Hyder, K.** [et al.] Obstetric nursing, today and tomorrow; a symposium. Pub. Health Nurs., 1947, 39: 35–9.—**Holland, E.** The new midwifery. Med. Off., Lond., 1944, 72: 13.—**Kaye, J. R.** Midwifery yesterday, to-day and to-morrow. Mat. & Child Welf., Lond., 1929, 13: 159–61.—**Lendon, A. A.** Modern midwifery. Austral. M. J., 1911, 1: 5.—**McIlroy, L.** The past and the future of midwifery. Med. Off., Lond., 1943, 69: 146.—**Murray, E. F.** Whither midwifery? Brit. M. J., 1936, 1: 375–7.—**Newer** facts in obstetrics. R. N., Rutherford, 1940–41, 4: No. 7, 29; 48.—**Philpott, N. W.** Present day trends in obstetrical care. Canad. Hosp., 1946, 23: No. 5, 31–3.—**Pickett, A. N.** Obstetrical column. Kentucky M. J., 1923, 21: 520; passim.—**Quisling, N. A.** Sakkyndig fødselshjaelp. Tskr. jordmød., 1910, 16: 17–22.

—— Dictionary.

Carter, G. B. The midwife's dictionary and encyclopaedia. 6. ed. 576p. 13cm. Lond., 1939.

Llerena, J. G. Terminología obstétrica; recopilado del diccionario de medicina. 208p. 17½cm. Lima, 1940.

—— domiciliary.

See **Midwifery** Home care.

—— Emergency.

See also such terms as **Dystocia; Parturition,** Complication; also **Obstetrics,** Emergency.

William, U. *Betrachtungen über die Dauer der Geburt in der Hebammen-Praxis; über die Tätigkeit der Hebamme und die Hilfeleistung des Arztes bei Wehenschwäche und Dammriss. 37p. 22cm. Königsb., 1935.

Allen, F. R. W. K. Indian village obstetric emergencies. Antiseptic, Madras, 1944, 41: 356; passim.—**Bar.** Les boiteries au point de vue obstétrical. J. sages femmes, Par., 1906, 34: 35.—**Claye, A. M.** Some midwifery problems. Clin. J., Lond., 1935, 64: 12–6.—**Emergency** obstetric service. Rep. Co. M. Off. London Co. Counc. (1946) 1947, 47.—**Evans, M. D. A.** Complications which may arise in the management of labour. Nurs. Mirror, Lond., 1945, 82: 36.—**Hall, E. M.** Some danger signals in midwifery. Overseas Postgrad. M. J., Lond., 1946–47, 1: 97.—**Howkins, J.** Some complications in obstetrics. Nurs. Times, Lond., 1946, 42: 758–60.—**Kinkead Allen, F. R. W.** Indian village obstetric emergencies. Antiseptic, Madras, 1945, 42: 619–26.—**Kushnirskaia, E. S.** [Prolonged labor; its prevention and treatment] Feldsher, Moskva, 1941, No. 7, 20; 1942, No. 2, 21.—**Levett, J.** The flying squad, an emergency obstetrical service in Oxfordshire. Nurs. Times, Lond., 1946, 42: 766.—**McIntyre, D.** Midwifery emergencies, Practitioner, Lond., 1938, 140: 435–51.—**Marx, S.** The tragedies in a consulting obstetric practice. Internat. J. S., 1907, 20: 165–72.—**Stabler, F.** The Newcastle-upon-Tyne Obstetric Emergency Service. Brit. M. J., 1947, 2: 878–80.—**Stallworthy, J.** Prolonged labour. Nurs. Mirror, Lond. 1947, 85: 313; passim.—**Taylor, J. S.** Obstetric hazards in Pennsylvania. Pennsylvania M. J., 1940–41, 44: 1124–30.—**Tucker, B. E., & Benaron, B. W.** The management of some obstetrical complications in the home. Med. Clin. N. America, 1938, 22: 197–212.

—— Essays.

Herb, F. Topics of interest to midwives. No. 10, 4 p. 8° Chic., 1918.

Adair, F. L. The relation of obstetrics to the community. Mother & Child, Balt., 1922, 3: 12–8.—**Barrett, C., Barwick, O. L., & Yeats, G.** Some aspects of obstetrical nursing. Canad. Nurse, 1943, 39: 650–4.—**Carson, A. L.,** jr. Can obstetric care be improved? Virginia M. Month., 1947, 74: 243–5.—**Davis, E. P.** Modern obstetrics with relation to the general practitioner, the student, the midwife and the specialist. J. Am. M. Ass., 1912, 59: 21–4.—**Eustache, G.** Pour être bon accoucheur. J. sc. méd. Lille, 1904, 1: 5–19.—**Gaifami, P.** Sui limiti della attesa nella assistenza ostetrica. In his Convers. & lez. ostet. gin., Roma, 1933, 159–64.—**Ground, W. E.** A plea for childbearing women. Northwest. Lancet, 1903, 23: 429–34.—**Hemschemeyer, H.** The satisfactions of obstetric nursing in a topsy-turvy world. Pub. Health Nurs., 1943, 35: 237.—**Kirchner, A.** Nursing implications of the care of mother and infant as a unit. Hosp. Counc. Bull., 1947, 10: No. 6, 16–8.—**Obstetric** (For) nurses. Am. J. Nurs., 1941, 41: 1388.—**Obstetricia** para enfermeras. Enferm. argent., 1945–46, 2: No. 19, 17; passim.—**O'Malley, M., & Eyler, O.** Mother and infant logical unit of nursing care. Month. Bull. Bd Health Indiana, 1947, 50: 3; 18.—**Oxley, W. H. F.** Forethought in midwifery. Brit. M. J., 1933, 1: 257–60.—**Rushmore, S.** Nursing and maternal welfare. N. England J. M. 1928, 199: 768–73.

—— Folk customs.

See also **Midwife,**—in various countries; **Midwifery,** Geography; also such terms as **Birth,** Customs; **Maternity,** Ethnology; **Parturition,** Ethnology; **Puerperium,** Ethnology.

Bügge, G. *Die rationell-empirischen Elemente der Geburtshilfe bei den Naturvölkern [Freiburg i. B.] 75p. 8° Stettin, 1930.

Lataillade, L. *Coutumes et superstitions obstétricales en Afrique du Nord. 173p. 24½cm. Alger, 1936.

Pelkonen, E. *Ueber volkstümliche Geburtshilfe in Finnland. 357p. 8° Helsin., 1931. Forms No. 6, v.16, ser. B, Acta Soc. med. Duodecim.

Abbatucci, S. La maternité en Afrique noire. Rev. hyg., Par., 1932, 54: 55–107.—**Adalja, K. V.** Ayurvedic midwifery. East Africa M. J., 1940–41, 17: 142–59.—**Adriani, N.** Zwangerschap en geboorte bij de Toradja's van Midden-Celebes. Ned. mschr. verlosk., 1918, 7: 380–90.—**Albani, C. B.** Ostetricia somala. Arch. ital. sc. med. col., 1938, 19: 757–60.—**Anderson, M. C.** Native obstetric nurses in Fiji. Native M. Pract., Suva, 1931, 1: 25–8.—**Aujoulat, L., & Olivier, G.**

L'obstétrique chez les Yaoundé. Méd. trop., Marseille, 1946, 6: 159–90.—**B., W.** Ein Glas als magischer Helfer bei Entbindungen. Ciba Zschr., Basel, 1937–38, 5: 1846.—**Bakker, C.** [Obstetric superstitions from Broek] Ned. tschr. verlosk., 1926, 31: 267 90.—**Beattie, I. H.** Practical midwifery in Fiji. Native M. Pract., Suva, 1939, 3: 428.—**Bing, M.** Schwangerschaft und Geburt bei den Zigeunerinnen. Ciba Zschr., Basel, 1935–36, 3: 1068.—**Boigey, M.** Comment accouchent les sahariennes. Presse méd., 1907, 15: annexes, 377–9.—**Boland, P.** Curiosidades obstétricas de tierra adentro. Arch. Clín. obst. gin. Eliseo Cantón, 1943, 2: 283–7.—**Boshouwers.** Geboorte, zwangerschap en abortus bij de bewoners van het eiland Sachalin. Tschr. prakt. verlosk., 1909–10, 13: 129; passim.—**Buschan, G.** Die magischen Mittel zur Förderung der Geburt in der Völkerkunde. Deut. med. Wschr., 1938, 64: 1153–6.—**Cochrane, R. F.** Correspondence on an obstetrical experience; from a reader somewhere in New Guinea. J. Lancet, 1944, 64: 321.—**Commélėran, M.** La grossesse, l'accouchement et l'avortement au Tagant et à Tidjikdja (Mauritanie) moeurs et coutumes. Ann. hyg., Par., 1908, 11: 200–12.—**Davis, C. H.** Childbirth; primitive versus modern. Surg. Gyn. Obst., 1922, 34: 636–41.—**De Castro, L.** L'ostetricia in Abissinia. Atti Soc. ital. ostet., 1906, 12: 514–22.—**Devereux, G.** Post-partum parental observances of the Mohave Indians. Tr. Kansas Acad. Sc., 1949–50, 52: 458–65.—**Dinguizli.** La pratique de l'obstétrique chez les populations indigènes de Tunisie. Rev. internat. méd. chir., 1923, 34: 117.—**Duvigneau, A.** La grossesse, l'accouchement et le nouveau-né chez les Annamites à Hué. Ann. hyg., Par., 1907, 10: 187–203.—**Ford, E.** Notes on pregnancy and parturition in the D'Entrecasteaux Islands. Med. J. Australia, 1940, 2: 498–501.—**Frazer, J. G.** A child is born. In his Native Races of America, Lond., 1939, 25.—**Fuller, E. B.** A Chinese household manual of obstetrics. S. Afr. M. J., 1940, 14: 112.—**Gibson, A. J.** Obstetrical customs among savage and barbarous peoples. Med. J. Australia, 1929, 2: 222–8.—**Grosperrin.** Quelques coutumes Ewé (territoire du Togo) en matière d'accouchement. Ann. méd. pharm. col., Par., 1935, 33: 822–9.—**Hocart, A. M.** Confinement at puberty. Man, Lond., 1927, 27: 53.—**Jackson, M. P.** Midwifery among the Metis. Alberta M. Bull., 1949, 14: No. 3, 11–4.—**Jackson, R. A.** Obstetrics among primitive peoples. Univ. West. Ontario M. J., 1932–33, 3: 144–7.—**Jagot.** Rites et coutumes de l'accouchement chez les populations du Tonkin septentrional. Arch. méd. Angers, 1907, 11: 27; passim. Also France méd., 1907, 54: p. vii; ix.—**Kaberry, P. M.** Birth. In her Aborig. Woman, Phila., 1939, 240–5.—**Kleiweg de Zwaan, J. P.** De couvade, het mannenkraambed. Med. wbl., Amst., 1915–16, 22: 197; 213.—**Kohn, F.** [Pregnancy, birth and infant's care among the Kachins (Siberia)] Russ. anthrop. J., 1900, 1: No. 4, 58–61.—**Legl, G.** Geburtshilfe im Urwald. Med. Welt, 1932, 6: 632.—**Lieneman, J. E.** Een bevalling in den harem. Ned. tschr. geneesk., 1919, 2: 1284–7.—**Lima Carneiro, A.** O parto (notas etnográficas) J. méd., Porto, 1945, 5: 290–2.—**Lombard, E.** Der medizinische Inhalt der Schweizerischen Volkskalender im 18. und 19. Jahrhundert; Kinderpflege, Geburtshilfe. Zürch. med. Gesch. Abh., 1925, 2: 87–92.—**MacMillan, H.** Nursing and midwifery in the colonies. Brit. M. J., 1942, 1: 426.—**Marchand, L.** Obstetrics amongst South African natives. S. Afr. M. J., 1932, 6: 329.—**Markley, L. R.** Obstetrics among the Japanesc. Med. Council, Phila., 1908, 13: 27; 47.—**Medulla, C.** L'ostetricia presso gli indigeni della Cirenaica. Arch. ital. sc. med. col., 1935, 16: 437–9.—**Mhaskar, K. S.** Obstetrics of the ayurvedists. Ind. M. Rec., 1933, 53: 257–78.—**Midwifery** among the Zulus (Edit.) Guy's Hosp. Gaz., Lond., 1913, 27: 418.—**Nicolas, C.** Pratiques obstétricales chez les Canaques. Bull. Soc. path. exot., Par., 1909, 2: 502–6.—**Nixon.** Obstetrics, far and near. Univ. Coll. Hosp. Mag., Lond., 1947, 32: 35–9.—**Olivier, G.** L'obstétrique en pays Mossi. Méd. trop., Marseille, 1942, 2: 142; 246. ——— L'accouchement chez la femme noire. Cah. méd., Alger, 1947, 2: 113–8.—**Pinto, E.** O parto entre os índios do Brasil. Actas Ciba, Rio, 1946, 13: 142–8.—**Preston, F. S., & Rutherford, P. I.** An Arab custom. Brit. M. J., 1948, 1: 572.—**Raebiger, A.** Beitrag zur Geburtshilfe der westafrikanischen Neger. Deut. med. Wschr., 1913, 39: 468.—**Rees, P.** Primitive midwifery in South China. Lancet, Lond., 1908, 2: 49.—**Riet, U. v.** Geburtshilfe bei den Indianern im tropischen Bolivien. Mschr. Geburtsh. Gyn., 1931, 87: 407–10.—**Rodecurt, M.** Einige noch heute brauchbare Geburts-Hilfeleistungen der Primitiven. Med. Welt, 1934, 8: 1767–9.—**Sarkar, R. N.** Labour a problem of the Mofussils. Ind. M. Rec., 1946, 66: 92–5.—**Sasportas.** La pierre gravée de Tetaurii; légende tahitienne. Aesculape, Par., 1926, 16: n. scr., 148–51.—**Seligmann, C. G.** Treatment of the afterbirth. Rep. Cambridge Anthrop. Exp. Torres Straits, Cambr., 1904, 5: 197.—**Shelton, A. L.** Obstetrics on the Thibetan border. Louisville J. M. & S., 1909, 16: 2.—**Souza, M. de.** A ginecologia e a obstetrícia dos Boróros. Actas Ciba, Rio, 1941, 8: 344–7. Also Rev. Ass. paul. med., 1941, 18: 211 (Abstr.)—**Stoel, G.** [Obstetrics in Suriname] Ned. tschr. verlosk., 1939, 42: 111–28.—**Sugie, Y.** Tyūgoku huzin (Nanking oyobi sono hukin) no sanpuzinkagaku-teki kenkyū; kekkon oyobi bunpen ni tuite [obstetrical studies on Chinese women (in Nanking and environs) marriage and parturition] Dozinkai igaku zassi, 1940, 14: 511–30.—**Torkomian, V. H.** Folklore obstétrical arménien. Bull. Soc. fr. hist. méd., 1939, 33: 193–5.—**Vaughan, K.** Primitive midwifery. Brit. M. J., 1949, 1: 498, illust.—**Vischer, M.** Zwei geburtshilfliche Kunstgriffe der Dajaken in Holl. Süd-Borneo. Zbl. Gyn., 1935, 59: 2904.—**Weinstock, L.** A case of primitive obstetrics. J. Am. M. Ass., 1911, 56: 812.—**Whittington, R. M.** Management of obstetrical delivery by the American Indian. Centaur, Menasha, 1947–48, 53: 229–31.—**Winter, R.** Geburt und Geburtshilfe afrikanischen Eingeborenen. Med. Klin., Berl., 1928, 24: 438; 474.

—— Forensic aspect.

See also **Obstetrics,** forensic.

Amaral, V. do. O parto secreto. Rev. gyn. obst., Rio, 1939, 33: pt 2, 85–8.—**D'Aprile, F.** Pericoli ed errori delle perizie di ufficio. Clin. ostet., 1937, 39: 224–30.—**Gras Goyena, A.** Introducción al estudio de la obstetricia legal. Rev. obst., B. Air., 1906, 4: 87–102.—**Schiler.** Die Hebamme vor Gericht. Allg. deut. Hebam. Ztg, 1927, 42: 225–9.

—— Geography.

See also **Midwife** subheadings (Organization; in various countries) **Midwifery,** Folk customs.

Anh, P. *De la pratique obstétricale dans la médecine Sino-Annamite (Indochine) 60p. 8° Par., 1936.

Bourrel, M. *L'assistance obstétricale en Algérie. 191p. 24½cm. Alger, 1937.

Buuren, H. B. v. Het verloskundig vraagstuk voor Nederlandsch-Indië. 172p. 8° Amst., 1909.

Also Tschr. prakt. verlosk., 1909–10, 13:

Correa Rodrigo, J. *Asistencia maternoinfantil en el municipio de Benito Juárez, Michoácan. 45p. 22cm. Méx., 1949.

Llouquet, L. *L'assistance obstétricale en Algérie. 87p. 24cm. Alger, 1936.

Mohammed Hassan Khan Hakim-ed-Dowleh. *Grossesse, accouchement et puériculture en Perse. 102p. 8° Par., 1908.

Padovani, R. *L'assistance obstétricale à Alger. 92p. 24cm. Alger, 1939.

Pancrazi, G. *L'assistance obstétricale dans la Région de Bône. 74p. 23½cm. Alger, 1937.

Rein, G. E., ed. Родовспоможение в России. 144p. 8° S. Peterb., 1906.

Rodriguez, J. M. *Breves apuntes sobre la obstetricia en México. 48p. 8° Méx., 1869.

Spain. Dirección general de sanidad. Publicaciones al servicio de España y del niño español, No. 84, 85 y 86: Servicios de sanidad infantil y maternal del Estado, año 1944. 164p. 21½cm. Madr., 1945.

Van der Eerden, M. L. *Maternity care in a Spanish-American community of New Mexico. 75p. 23cm. Wash., 1948.

Forms No. 13, Anthrop. Ser. Cath. Univ. America.

Aaberg, M. E. Obstetrics on Guam. U. S. Nav. M. Bull. 1947, 47: 1027–36.—**Adeodato Filho, J., & Domingos Machado.** Assistência social-obstétrica na Baía. An. Congr. brasil. gin. (1940) 1942, 1. Congr., 3: 89–100.—**Balfour, M. I.** Maternity conditions in India. Lancet, Lond., 1922, 1: 1161.—**Beard, M.** Midwifery in England. Pub. Health Nurse, 1926, 18: 634; 1927, 19: 15.—**Bertelsen, A.** Aeldre og nyere tids fødrelshjaelp i Grønland. Tskr. jordmød., 1910–11, 21: 105; 117.—**Birdwood, G. T.** Modern midwifery practice in India. Ind. M. Gaz., 1911, 46: 96–9.—**Brandt, K.** Ueber das Hebammenwesen in Russisch-Polen, Schweden und Norwegen. Gyn. Rdsch., 1908, 44: 608–10.—**Cadeau Fessel, B. P.** Relación del estado actual del arte obstetriz en esta capital y exposición de algunos hechos principales de práctica, observados en estos ultimos años. In: Bibl. cent. med. Peru (Valdizan, H. & Bambaren, C. A.) Lima, 1921, 1: 141–54.—**Calderon, F.** Obstetrics in the Philippine Islands. Philippine J. Sc., 1908, 3: 245–59, 3 pl. ——— Obstetrics in the city of Manila. Bull. Manila M. Soc., 1910, 2: 135–40.—**Cocq, V., & Mercken, F.** L'assistance obstétricale au Congo Belge. Bruxelles méd., 1934–35, 15: 772; passim. ——— L'assistance obstétricale au Congo Belge, y compris le Ruanda-Urundu. Algérie méd., 1935, 39: 922. ——— [et al.] L'assistance obstétrical en Afrique française et au Congo Belge. Gyn. obst., Par., 1935, 43: 802–13.—**Colby, B.** Midwifery in many lands. Brit. M. J., 1935, 2: 584.—**Cook, A. R.** Obstetric treatment in Uganda. Med. Press & Circ., Dubl., 1935, 191: 250–3. ——— Obstetrics in Uganda. Practitioner, Lond., 1935, 134: 748–61.—**Corkill, T. F.** The trend of obstetric practice in New Zealand. N. Zealand M. J., 1933, 32: 41–52.—**Couvelaire, A.** L'obstétricie en Argentine, au Chile, en Uru-

guay, au Brésil; impressions de voyage. Bull. Soc. obst. gyn. Paris, 1927, **16**: 693–701.—**Crozier, J. E.** Obstetric practice in India. Physician & Surg., Detr., 1911, **33**: 14–7.—**Curtis, H. B.** A midwifery program in New Mexico. Med. Woman J., 1938, **45**: 334–6.—**Das, K.** Midwifery in India. Tr. Am. Gyn. Soc., 1922, **47**: 268–77.—**Dengel, A.** Obstetrics in India. Hosp. Progr., 1925, **6**: 77–9.—**Doctor, S.** Bábaügyünk újabb fejleményei. Gyógyászat, 1906, **46**: 731; 747; 763.—**Eerland** [Labor management experiences in Kediri] Fin. läksäll. hand., 1936, **79**: 1163–208.—**Eliot, M. M.** Future prospects for obstetric care in the United States. Am. J. Obst., 1946, **51**: 780–8.—**French, M.** Midwifery in Great Britain. Internat. Nurs. Rev., Genève, 1932, **7**: 227–41.—**Fridericia, H. J.** Faergiske jordemoderforhold. Tskr. jordmød., 1907–08, **18**: 25–34.—**Gallardo, M. A., & Magaña, M. T.** La asistencia del parto en El Salvador. Estadística, Méx., 1944, **2**: 390–9.—**Green, S. F. S. D.** Midwifery work at the Curragh Camp. J. R. Army M. Corps, 1909, **12**: 664.—**Green-Armytage, V. B.** Obstetrics in the tropics. Ind. M. Gaz., 1932, **67**: 144–8.—**Guimarães Filho, A.** Aspectos especiais da assistência obstétrica. Ar. Congr. brasil. gin. (1940) 1942, 1. Congr., **3**: 189–211.—**Hamilton, V. C.** Obstetrica in Scandinavia. Maine M. J., 1938, **29**: 43–5.—**Heinricius, G.** Ueber das Hebammenwesen in Finnland. Gyn. Rdsch., 1908, **2**: 474–7.—**Hemschemeyer, H.** Midwifery in the United States. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 418–23.—**Hinson, W. E.** Jungle birth. Trained Nurse, 1948, **121**: 342.—**Huidige** (De) stand van de praenatale zorg en de verloskundige hulp in Nederland. Tschr. sociale geneesk., 1947, **25**: 250–7.—**Jiménez Camacho, J. B.** La obstetricia en la sierra del Perú. Actual. méd. peru., 1942, **7**: 318–20. Also Día méd., B. Air., 1943, **15**: 569–71.—**Johns, E.** The practice of midwifery in Canada. Canad. Nurse, 1925, **21**: 10–4.—**Karve, S. D.** An experiment in midwifery. East Afr. M. J., 1934, **10**: 358–63.—**Köstlin.** Hebammenwesen. In: Preuss. Med. Gesundhwes. (1883–1908) Festschr., Berl., 1908, 384–402.—**Kolosov, M.** Rodovspomozheniye v Moskovskom Zemstvie. Russk. vrach, 1910, **9**: 1213–5.—**Kosmak, G. W.** Midwifery in European countries. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 415–7.—**Laffont & Fulconis.** L'assistance obstétricale en Afrique Française. Algérie méd., 1935, **39**: 917–21.—**Lascano, J. C.** Aspecto social de la asistencia obstétrica; reseña histórica y legislación Argentina. An. Congr. brasil. gin. (1940) 1942, 1. Congr., **3**: 35–61.—**Lubowski, M.** Das Hebammenwesen in Russland. Allg. deut. Hebam. Ztg, 1893, **8**: 89–93.—**M., G.** Gravidanza e parto nel Siam. Minerva med., Tor., 1944, **35**: Varia, 332–6.—**McGrath W. M.** Midwifery investigation, Birmingham, Ala. Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3**: 260.—**Marriner, J. L.** Midwifery in Alabama. Pub. Health Nurse, 1926, **18**: 128–32.—**Mayo, K.** Indische Geburtshilfe. Neue Generation, 1928, **24**: 363–71.—**Milnor, G. C.** Obstetrics in Hawaii. Tr. Hawaii M. Ass., 1937, No. 47, 73–9.—**Montuoro, F.** L'ostetricia in India. Riv. ostet., Milano, 1932, **14**: 375–9.—**Moss, C. F. A.** Notes of midwifery cases in Madagascar. Lancet, Lond., 1904, **2**: 1213.—**Mudaliyar, A. L.** Risks of childbirth in India; an investigation in Madras. Ibid., 1934, **1**: 151.—**Mukherjee, B.** The problem of obstetrics and gynecology in India. Calcutta M. J., 1938, **33**: 226–42.—**Mukherji, G. N.** Midwifery in India. Ind. M. Rec., 1924, **44**: 292–4.—**Obstetric** facilities in Venezuela. J. Am. M. Ass., 1940, **115**: 314.—**Paryshev, D. A.** Rodovspomozheniye v Rossii po dannym Vserossiyskoĭ higienicheskoĭ vystavki 1913 g. v S.-Peterburgle. J. akush., 1914, **29**: 13–28.—**Payne, P. M.** A birth in Louisiana. Med. Rec., N. Y., 1934, **140**: 520.—**Poerwo Soedarmo, R.** [The obstetrical problem] Geneesk. tschr. Ned. Indië, 1939, **79**: 1538–59.—**Poulter, M. C.** Obstetrical experiences in Futsing City, Fukien, China. China M. J., 1921, **35**: 331–47.—**Remmelts, R.** [Obstetrics and gynecology in Netherlands Indies] Ned. tschr. verlosk., 1932–33, **36**: 1–4.—**Rodtness, J.** Midwifery practice in Denmark. Mat. & Child Welf., Lond., 1925, **7**: 354–6.—**Ross, A. H.** A new experiment in midwifery. Med. Bull., N. Y., 1942–43, **8**: 87.—**Rouvier & Laffont.** Les Mauresques à la Maternité d'Alger. Bull. Soc. obst. gyn. Paris, 1912, **1**: 787–90.—**Roxas, B., & Villarama, A.** The actual practice of obstetrics in the Philippine Islands. J. Philippine Islands M. Ass., 1926, **6**: 127–30.—**Rutishauser, A.** Erfahrungen und Beobachtungen in der Geburtshilfe im Gabon, Afrique Equatoriale Française. Arch. Julius Klaus Stift., 1941, **16**: 235–67.—**Sargent, C. A.** Midwifery in Delaware. Delaware M. J., 1933, **5**: 176.—**Shaver, E.** Midwifery investigation in Louisville, Ky. Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3**: 265.—**Stricker, L.** Midwifery conditions in Cincinnati, with a review of the general situation in Ohio. Ibid. (1914) 1915, **5**: 216–22.—**Suomen** kätilölaitoksen parantamisesta. Kätilö lehti, Helsin., 1907, **12**: 25 31.—**Thomas. R. C.** Obstetrics in India. Brit. M. J., 1934, **2**: 1060–2.

——— Obstetrics and gynaecology in an Indian state. Med. Press & Circ., Lond., 1941, **205**: 499–503.—**Underwood, F. J.** The development of midwifery in Mississippi. South. M. J., 1926, **19**: 683–7.—**Uranga Imaz, F. A.** La obstetricia en Port of Spain, Trinidad. Día méd., B. Air., 1949, **21**: 598.—**Van D'Elden, E.** Etwas über Geburtshilfe in China. Aerztl. Rdsch., 1928, **38**: 375.—**Vorstman, A. H.** Eenige opmerkingen betreffende het verloskundige vraagstuk in onze Oost-Indische Koloniën. Ned. tschr. geneesk., 1910, **45**: 1552–7.—**Willeford, M. B.** Midwifery in Puerto Rico. Q. Bull. Frontier Nurs. Serv., Lex., 1941–42, **17**: No. 3, 24–9.—**Williamson, W.** Midwifery in Greece. Midwives Chron., Lond., 1947, **60**: 126.—**Woodhams, R. C.** Obstetrics in the Congo. Homoeop. Rec., 1948–49, **64**: 63–5.—**Zanela, S.** [Birth management in Croatia] Liječ. vjes., 1940, **62**: 501–8.—**Zegarra Reyna, J.** La obstetricia en la República. Actual. méd. peru., 1946–47, **12**: 179; 195.

—— History.

See also **Midwife,** History; **Obstetrics,** History.

Beruti, J. A. La razón y el absurdo en obstetricia a través de las edades y los pueblos. 63p. 27cm. B. Air., 1943.

Devraigne, L. L'obstétrique à travers les âges. 129p. 25½cm. Par., 1939.

Galewski, S. *Versuch einer pragmatischen Geschichte der manuellen Hilfe bei der Geburt. 62p. 8° Lausanne, 1937–38.

Hentschel, H. *Bausteine zu einer Fortführung der Geschichte der Geburtshilfe von Siebold-Dohrn. 93p. 8° Würzb., 1936.

Schmitt, F. J. *Anfänge und Entwicklung der Hebammenkunst, des geburtshilflichen Lehrstuhles und der Universitäts-Frauenklinik in Würzburg. 44p. 23½cm. Würzb., 1934.

Spencer, H. R. The renaissance of midwifery; being the Lloyd Roberts lecture. 41p. 8° Lond. [1924]

Also Lancet, Lond., 1924, **2**: 1049 56. Also Tr. M. Soc. London, 1924–25, **48**: 71–105, 3 pl.

Adam, S. Obstetrics through the ages; an historical survey. Australas. Nurs. J., 1939, **37**: 223; 1940, **38**: 1.—**Andel, M. A. v.** Bijgeloof, onverstand en nalatigheid in de kraamkamer onzer voorouders. Ned. mschr. verlosk., 1919, **8**: 465–99.—**Anderson, R. M.** History of obstetrics. J. Oklahoma M. Ass., 1926, **19**: 173–6.—**Barrett, C. V.** A hundred years of maternity nursing. Canad. Nurse, 1943, **39**: 720–6.—**Bookmiller, M. M., & Bowen, G. L.** The history of obstetrics and obstetric nursing. In: Textb. Obst. (Bookmiller, M. M.) Phila., 1949, 1–35.—**Boutarel, M.** La constitution d'un foyer d'après les vieux textes. Paris méd., 1922, **46**: annexe, 56; 114; 1923, **50**: annexe, 73.—**Buxbaum, H.** The history of obstetrics. Illinois M. J., 1932, **61**: 118–25.—**Crosse, V. M.** Advances in midwifery. Med. Off., Lond., 1941, **66**: 189.—**Evans, M. D. A.** Milestones in midwifery. Leech, Cardiff, 1948, **3**: No. 3, 10–4.—**Evers, H. H.** And that was yesterday. Midwives Chron., Lond., 1947, **60**: 6–11.—**Fischer, J.** Historisches zur Verwendung der Handschuhe in der Geburtshülfe. Gyn. Rdsch., 1907, **1**: 802.—**Flack, I. H.** The pre-history of midwifery. Proc. R. Soc. M., Lond., 1946–47. **40**: 713–22.—**Glockner, A.** Vom Hebammenwesen in alter und neuerer Zeit. Sächs. Hebam. Ztg, 1906, **3**: 127–31.—**Greer, H. L. H.** Epochs in the history of obstetrics. Ulster M. J., 1935, **4**: 169–77.—**Hofschlaeger, R.** Geburtsbeschleunigung und Schmerzlinderung im Spiegel der Vorzeit. Zschr. Geburtsh. Gyn., 1946–47, **127**: 101–14.—**Johnstone, R. W.** Fifty years of midwifery. Brit. M. J., 1950, **1**: 12–6.—**Josephson, C. D.** Aus der Kindheit der Geburtshilfe. In: Festskr. J. Aug. Hammar, Upsala, 1921, 1–20.—**Kaufman, M.** Rozwój pomocy akuszeryjnej. Med. kron. lek., Warsz., 1912, **47**: 43–7.—**Lasson, A.** Hebammenwissenschaft vor 150 Jahren. Allg. deut. Hebam. Ztg, 1928, **43**: 319.—**Leishman, A.** The progress of midwifery. Nurs. Times, Lond., 1948, **44**: 664; 688.—**Lloyd, J. A.** Obstetrics; ancient and modern. S. Afr. M. J., 1938, **12**: 666–8.—**Madill, D. G.** The infancy of midwifery. Irish J. M. Sc., 1929, 6. ser., 55–70.—**Marks, A. H.** Midwifery since the time of Ambroise Paré [Jackson lecture] Med. J. Australia, 1937, **1**: 157–65.—**Matoušek, M.** Dějinný vývoj babictví. Prakt. lék., Praha, 1949, **29**: 204–9.—**Meyer, F.** The makings of obstetrics. Med. J. Australia, 1935, **1**: 75–85.—**Miller, J. L.** Renaissance midwifery; the evolution of modern obstetrics, 1500–1700. In his Lectures on the Hist. of Med., Phila., 1933, 297–337.—**Pastorini, R., & Bosio, B.** El idearío de Murri. Sem. méd., B. Air., 1939, **46**: 10–4, portr.—**Peel, J. H.** Milestones in midwifery. King's Coll. Hosp. Gaz., Lond., 1947, **26**: No. 2, 6–12. Also Postgrad. M. J., Lond., 1947, **23**: 523; 575. Also Overseas Postgrad. M. J., Lond., 1947–48, **2**: 328–43.—**Pfeilsticker, W.** Drei kulturhistorische Beiträge. Arch. Gesch. Med., 1926, **18**: 367.—**Ratnasamy, P.** History of obstetrics. Madras M. J., 1931, **13**: 185–96.—**Reed, E. P.** Recuerdos históricos de obstetricia. Med. mod., Valparaíso, 1942–43, **16**: 485–92.—**Ribemont-Dessaignes.** Leçon faite le 4. mai 1908 à l'inauguration du cours des sages-femmes, à la Maternité de l'Hôpital Beaujon. Ann. gyn. obst., Par., 1908, **5**: 257–87.—**Robinson, A. L.** Ancient and modern. J. Obst. Gyn. Brit. Empire, 1934, **41**: 509–32, 6 pl.—**Salomonson, J. G.** [Labor pains and their prevention during the ages] Ned. tschr. geneesk., 1926, **70**: 2367–82.—**Schenck, B. R.** The evolution of obstetrics. Detroit M. J., 1908, **8**: 77–83.—**Schlösser, H.** Ueber die wichtigsten Fortschritte in der Geburtshilfe vom Ende des Mittelalters bis zum Beginn des 20. Jahrhunderts. Allg. deut. Hebam. Ztg, 1926, **41**: 289–91.—**Schröder, R.** Zur Geschichte des Hebammenwesens. In his Hebammenlehrb., Lpz., 1947, 1–24.—**Spiritual** midwifery.

Brit. M. J., 1913, 2: 92.—**Wegscheider.** Bilder aus der Geschichte des Hebammenwesens. Allg. deut. Hebam. Ztg, 1906, 21: 135; 155.—**Wichmann, S. E.** Pürteitä kätilökunnan historiasta vanhalta ajalta. Kätilö lehti, Helsin., 1914, 19: 145–55.

—— History: American countries.

Allport, W. H. Tristram Shandy and obstetrics. Am. J. Obst., 1912, 65: 612–7.—**Dietschy, H.** Aztekische Geburtshilfe. Ciba Zschr., Basel, 1936–37, 4: 1467–9. Also Ciba tschr., Basel, 1947, 904–6.—**Heaton, C. E.** Obstetrics in Colonial America. Am. J. Surg., 1939, 45: 606–10. Also Actas Ciba, Rio, 1942, 9: 315–20.—**Jameson, E. M.** Eighteenth century obstetrics and obstetricians in the United States. Ann. M. Hist., 1938, n. ser., 10: 413–28.—**Ledesma, D. A.** La obstetricia bajo el imperio de los Incas. Arch. Clín. obst. gin. Eliseo Cantón, 1942, 1: 859–62.—**Llames Massini, J. C.** Historia de la obstetricia en Buenos Aires. Sem. méd., B. Air., 1932, 39: pt 2, 705–8.—**Nicodemus, R. E.** The history of American obstetrics. Centaur, Menasha, 1945–46, 51: 25–32. Also Phi Lambda Kappa Q., 1945–46, 20: No. 2, 2–8.—**Paz Soldán, C. E.** La obstetricia en Lima a fines del Virreinato y comienzos de la República. Reforma méd., Lima, 1943, 29: 651–64.—**Quirós Rodiles, A.** Breve historia de la obstetricia en México. Rev. mex. cirug., 1938, 6: 421–5. Also Obst. gin. lat. amer., B. Air., 1945, 77; passim.—**Ramírez Olivella, J.** Bosquejo histórico y evolución de la obstetricia de Cuba, desde los indígenas hasta nuestros días. Rev. cubana obst., 1942, 4: 109–30.—**Rucker, M. P.** A brief history of obstetrics and gynecology in Virginia. Am. J. Obst., 1936, 31: 187–97. ——— The history of obstetrics in Virginia. Virginia M. Month., 1936–37, 63: 283–90.—**Scheffey, L. C.** The earlier history and the transition period of obstetrics and gynecology in Philadelphia. Ann. M. Hist., 1940, 3. ser., 2: 215–24.—**Thoms, H.** The beginnings of obstetrics in America. Yale J. Biol., 1932, 4: 665–75.—**Van Patten, N.** Obstetrics in Mexico prior to 1600. Ann. M. Hist., 1932, n. ser., 4: 203–12.

—— History: Ancient times (Egypt, Greece, India, Israel, Rome)

See also subheading Iconography.

Argenti, P. Childbirth in the Greek Island of Chios in the 6th century B. C., 1780, and 1914. J. Obst. Gyn. Brit. Empire, 1944, 51: 344–9, 3 pl.—**Arvanitakis, G.** A Graeco-Egyptian obstetric inscription. Boston M. & S. J., 1915, 173: 335.—**Bernstein, A.** The art of obstetrics as developed from the Talmud. Med. Life, 1938, 45: 195–204.—**Das, K.** Operative midwifery in the pre-Chamberlen period with special reference to ancient India. Tr. Far East. Ass. Trop. M., 1927–28, 1: 360–9, 11 pl.—**Dorland, W. A. N.** Obstetric showings of mummies. Clin. M. & S., 1934, 41: 212–4.—**Ebn-Adam, J.** Rare obstetrical cases in our ancient literature [Hebrew text] Harefuah, Tel Aviv, 1945, 29: 130; passim.—**Egyptian** obstetrics as illustrated by a Greek inscription. Lancet, Lond., 1915, 1: 1143.—**Green-Armytage, V. B.** An address on obstetrics and gynaecology in the days of the Patriarchs. J. Obst. Gyn. Brit. Empire, 1927, n. ser., 34: 536–45.—**Guiart.** La obstetricia en el tiempo de los faraones. Día méd., B. Air., 1933–34, 6: 351.—**Loison.** A propos des accouchements chez les Hébreux. Bull. Soc. fr. hist. méd., 1934, 28: 131–45.—**Maxwell, P.** Obstetrics in China in the 13th century. J. Obst. Gyn. Brit. Empire, 1927, n. ser., 34: 481–97.—**Menascha, I.** Die Geburtshilfe bei den alten Aegyptern. Arch. Gyn., Berl., 1927–28, 131: 425–61.—**Müller, R. F. G.** Zur altindischen Geburtshilfe. Arch. Gesch. Med., 1928, 20: 233–71.—**Mukherjee, G. N.** Midwifery in ancient India. J. Ayurveda, 1932, 8: 325; 444.—**Paucot, H.** Les accouchements dans l'Ancien Testament. Echo méd. nord, 1943, 14: 161–5.—**Wichmann, S. E.** Muutamia lisäpürteita roomalaisen obstetrükan historiaan. Duodecim, Helsin., 1914, 30: 1–23.—**Zolli, I.** Una pagina di ostetricia biblica (Es. I, 15–22) Riv. stor. sc. med., 1937, 28: 69–77.

—— History: European countries.

KERN, H. *Zur Geschichte des Hebammenwesens in Basel. 40p. 8° Basel, 1929.

MUHEIM, E. *Zur Geschichte des Hebammenwesens und der staatlichen Gebäranstalt St. Gallen. 75p. 22½cm. Zür., 1941.
Also forms v.17, Zürch. med. gesch. Abh.

SPENCER, H. R. The history of British midwifery. 185p. 8° Lond., 1927.
Also Brit. M. J., 1927, 2: 853–6 (Abstr.)

Dopson, L. Midwifery in Edinburgh; an historical sketch. Nurs. Times, Lond., 1946, 42: 1013; passim.—**Eitel, M.** Das bayrische Hebammengewerbe, seine Entwicklung und gegenwärtige Lage. Ann. ges. Hebamwes., 1914, 5: 196–355.—**Historic** (An) event in Scotland. Midwives Chron., Lond., 1946, 59: 118.—**Korbuly, G.** [History of Hungarian obstetrics] Orvoskèpzés, 1936, 26: sept. különf. (Tóth Festschr.) 164–270.—**Larkey, S. V.** Childbirth in the days of Queen Elizabeth. Am. J. Obst., 1934, 27: 303–8. Also Centaur, Menasha, 1936, 41: 243–7.—**Levicky, D. I.** Iz proshlogo otechestvennogo akusherstva. Akush. gin., 1949, No. 5, 59–61.—**McAllister, A.** The influence of the Hunterian era on modern midwifery. Tr. Hunterian Soc., Lond., 1938–39, 3: 8–26, 2 pl.—**McKenzie, D.** The obstetric history of Mary, queen of Scots, at Lochleven. Caledon. M. J., 1932, 15: 2–6.—**Nestlen.** Die Entwicklung des Hebammenwesens und der praktischen Geburtshilfe im Herzogtum Württemberg. Med. Korbl. Württemberg, 1906, 76: 787; 818; 996.—**Norrie, G.** [Historical review on midwifery in Denmark] Hospitalstidende, 1932, 75: 427–44.—**Schöppler, H.** Das Hebammenwesen im alten Nürnberg. Janus, Haarlem, 1907, 12: 65–70.—**Smythe, H. J. D., & Shepherd, H. L.** Midwifery in Bristol. Bristol Med. Chir. J., 1940. 57: 117–20.

—— History: Medieval and modern times.

ABDUL SALAM SCHAHIEN. *Die geburtshilflich-gynäkologischen Kapitel aus der Chirurgie des Abulkasim, ins Deutsche übersetzt und kommentiert. 39p. 21cm. Berl., 1937.

NÖTH, A. *Die Hebammenordnungen des XVIII. Jahrhunderts [Würzburg] 200p. 8° Bottrop i. W., 1931.

B., E. S. De geboorte van den Dauphin van Frankrijk, 27 Septbr. 1601. Tschr. prakt. verlosk., 1910–11, 14: 267–9.—**Bacialli, L.** Una relazione ostetrica del 1764. Bull. sc. med., Bologna, 1939, 111: 71–80.—**Bosch, N. H. v. d.** [A delivery in 1805] Ned. tschr. geneesk., 1940, 84: 1321.—**Capparoni, P.** Un fantoccio ostetrico in avorio del secolo 17. Riv. stor. sc. med., 1912, 3: 108, pl.—**Castiglioni, A.** L'ostetricia italiana nel Rinascimento. Rass. clin. sc., 1928, 6: 224–8, illust.—**Childbirth** in the eighteenth century [Edit.] Lancet, Lond., 1913, 2: 1201.—**Costa Sacadura.** A assistência á mulher pejada e parturiente em Lisboa, desde 1775 a 1934. Impr. méd., Lisb., 1935, 1: 502.—**Creutz, R.** Der persische Arzt-philosoph Avicenna (980 bis 1037) über Kunsthilfe bei Geburten und Fehlgeburten. Med. Welt, 1938, 12: 1582–5.—**Danforth, W. C.** The influence of the French school in the 16., 17., and 18. centuries upon the development of gynecology and obstetrics. Am. J. Obst., 1942, 44: 743–61.—**Delmas, P.** L'obstétrique à Montpellier, des origines au 18. siècle. Presse méd., 1927, 35: 989.—**Devraigne, L.** Quelques pionniers de l'obstétrice au 16. siècle. Bull. méd., Par., 1942, 56: 205–9.—**Gall, P.** Una priorità della Scuola salernitana. Clin. ostet., 1943, 45: 83–5.—**Magyary-Kossa G.** [Bábák mint kuruzslók] In his Magyar orvosi emlekek, Budap., 1929, 1: 96. ——— Bábakölcsönzés (in 1598) Ibid., 1931, 3: 274 (Note 1032) ——— [Bábák történetére vonatkozó jegyzetek a magyar történelemből a 16. századtól kezdve] Ibid., Notes 838; 866; 874; passim.—**Maniald, E. de.** Accouchement prodigieux survenu à Gradignan près de Bordeaux en août 1595. J. méd. Bordeaux, 1934, 111: 161.—**Manoncourt, S. de.** Un accouchement dans une île de l'Archipel Grec vers la fin du 18. siècle. Monaco méditer. méd., 1940, 7: 1–3.—**Müllerheim, R.** Der Dauphin in Frankreich wird geboren anno 1601. Deut. méd. Wschr., 1909, 35: 2021.—**Obstetric** (An) fatality of the 13. century [Edit.] Brit. M. J., 1911, 2: 1026.—**Ravina, J.** Plateaux, plats et bols d'accouchées aux 15. et 16. siècles. Aesculape, Par., 1935, 25: 60–7.—**Sanjuán Perpiña, L.** Resumen de la historia de la ginecología y obstetricia hasta el siglo 15. Tr. Cáted. hist. crit. med., Madr., 1932–33, 1: 191–214.—**Weindler, F.** Alter Volksglaube und Volksbrauch in der Geburtshilfe des deutschen Mittelalters, und neue wissenschaftliche Erkenntnis. Zbl. Gyn., 1958, 62: 243–50.

—— Iconography.

Delivery stool as shown in The Expert Midwife, 1637 [Illustration] J. Obst. Gyn. Brit. Empire, 1944, 51: 345.—**Delivery** stool in use in Chios up to 1914 [Illustration] Ibid., 348.—**Dellinger, S. C., & Wakefield, E. G.** Obstetric effigies of the Mound Builders of eastern Arkansas. Am. J. Obst., 1936, 31: 685. Also Centaur, Menasha, 1936–37, 42: 32, 4 figs.—**G.** Numismatics in the delivery room. Ciba Sympos., 1947–48, 9: 823.—**Gall, P.** Il parto di Almena; una priorità iconografica italiana. Clin. ostet., 1936, 38: 543–6.—**Masip & Sanz, J.** O parto nas bellas-artes. Porto med., 1907, 4: 103–10.—**Method** of delivery of the after-birth in Greek Archipelago in 1780 (from Sonnini) [Illustration] J. Obst. Gyn. Brit. Empire, 1944, 51: opp. p. 344.—**Method** of delivery in Greece, 6th century B. C., terracotta in museum at Nicosia in Cyprus [Illustration] Ibid., opp. p. 344.—**Noury, P.** L'alimentation des accouchées dans l'art. Chron. méd., Par., 1909, 16: 369–77, 2 pl.—**Schleuter, R. E.** Obstetrical art at St. Peter's in Rome. Ann. M. Hist., 1936, 8: 227–31.—**Weindler, F.** Mythische Geburtsszenen in der antiken Kunst. Janus, Leyde, 1926, 30: 271–94, 3 pl. ——— Volkstümliche Krankendarstellungen und eine wichtige geburtshilfliche Bildurkunde im Utrecht-Psalter. Zschr. ärztl. Fortbild., 1937, 34: 87–9.

—— Home confinement.

HEESE, J. *Die Leistungen der häuslichen Geburtshilfe nach einer Statistik über 26,299 geburtshilfliche Fälle in Mecklenburg. 24p. 21cm. Rost., 1936.

KAPPENBERG, W. *Die Leistungen der häuslichen Geburtshilfe. 31p. 22cm. Rost., 1936.

KNISPEL, F. *Das Ergebnis der häuslichen Geburtshilfe in Mecklenburg-Schwerin vom Jahre 1931. 24p. 8° Rost., 1935.

KRÜGER, E. L. *Erfolge der häuslichen Geburtshilfe; Bericht über 25,587 Hausgeburten aus Mecklenburg ... aus den Jahren 1926 und 1927. 23p. 21cm. Rost., 1936.

PHILADELPHIA, PA. JEFFERSON MEDICAL COLLEGE. Pamphlet guide for students on the conduct and care of maternity patients in private homes. 29p. 15½cm. Phila., 1929.

ROESLER, L. *Die Ergebnisse der häuslichen Geburtshilfe in Breslau in den Jahren 1924–34. 29p. 22½cm. Bresl., 1937.

STUKOWSKI, G. *Die Erfolge der häuslichen und klinischen Geburtshilfe im In- und Auslande. 31p. 21cm. Bresl., 1938.

Adeodato, J., filho. Serviço obstétrico domiciliar; nossa experiência em um ano. Rev. gin. obst., Rio, 1949, **43:** 40–8.— **Aigner, A.** Haus- und Anstalts-Geburtshilfe. Zbl. Gyn., 1943, **67:** 1273–83.—**Amreich, I. A.** Die Geburtshilfe im Privathaus; Kontraindikationen und Vorbedingungen. Wien. klin. Wschr., 1940, **53:** 555–9.—**Antoine, T.** Grenzen zwischen Haus- und Klinikentbindungen. Ibid., 1946, **58:** 223–5.— **Arnold, J. O.** Labor; home delivery; particeps criminis. Med. World, 1942, **60:** 449.—**Bandeira de Mélo, L.** Serviço de assistência obstétrica domiciliar do Centro de saúde de Natal. An. Soc. med. cir. Rio Grande do Norte, 1942, **4:** No. 6, 47–52.— **Barker, M.** Obstetrics in the home. J. Am. Osteopath. Ass., 1942–43, **42:** 244–7.—**Beard, H. E.** Home obstetrics. West Virginia M. J., 1940, **36:** 18–22.—**Beaulah, L. E.** Post-graduate midwifery; in the patient's own home. Nurs. Times, Lond., 1941, **37:** 470.—**Bernhart, F.** Ueber Geburten im Privathause. Wien. med. Wschr., 1917, **97:** 379.—**Bickel, L.** Häuslich operative Geburtshilfe: ein Beitrag zur Frage der Neuorientierung in der Geburtshilfe. Mschr. Geburtsh. Gyn., 1930, **85:** 305–24.—**Bookmiller, M. M., & Bowen, G. L.** Labor in the home. In: Textb. Obst. (Bookmiller, M. M.) Phila., 1949, 351–62. ——— Management of labor in the home. Ibid., 363–72.—**Buxbaum, H.** Obstetrics in the home. Surg. Clin. N. America, 1943, **23:** 45–58.—**Cleisz, L.** Les préparatifs de l'accouchement à domicile. Bull. méd., Par., 1934, **48:** 83–5.— **Clifford, M. L.** Problems of home delivery nursing service. Connecticut Health Bull., 1941, **55:** 336.—**Clyne, D. G. W., Macafee, C. H. G., & Somerville, C. L.** Domiciliary midwifery and the family doctor. Brit. M. J., 1945, **2:** 441–3.— **Connell, J. S. M.** Confinements at home or in hospital. Queen M. Mag., Birm., 1946, **39:** 26–9.—**Conti, N.** Parto in clinica o parto a domicilio? Arte ostet., 1937, **51:** 268–71.— **Court, J.** Domiciliary midwifery in Calcutta. Nurs. J. India, 1946, **37:** 187–9.—**Curhan, J. H.** The management of home delivery. Rep. Wayne Co. M. Soc., 1932–33, **3:** 88–92.— **Davydov, V. I., & Perlova, R. K.** Vnebolnichnye rody. Akush. gin., 1947, No. 6, 45.—**Delivery** nursing in rural homes. Pub. Health Nurs., 1940, **32:** 122.—**Döderlein, G.** Ueber die geburtshilfliche Ausbildung des Arztes und über die Leistungsfähigkeit rein häuslicher Geburtshilfe. Arch. Gyn., Berl., 1930, **142:** 185–96. ——— Häusliche und klinische Geburtshilfe. München med. Wschr., 1932, **79:** 1825–8.— **Dowling, J. D.,** jr. Obstetrical technique in the home. North Carolina M. J., 1946, **7:** 108–10.—**Dubash, B. M.** Maternity hospitals versus domiciliary midwifery. Ind. M. Guide, 1948, **1:** 25–7.—**Eden, T. W.** Midwifery in the home. Brit. M. J., 1933, **1:** 399–403.—**Erede, U.** Considerazioni sull'assistenza ostetrica a domicilio. Riv. ostet., Milano, 1941, **23:** 35–7.— **Fahlbusch, O.** Was leistet die häusliche Geburtshilfe? Münch. med. Wschr., 1932, **79:** 1746–8. ——— Erfolge der häuslichen Geburtshilfe. Zschr. Geburtsh. Gyn., 1932–33, **104:** 45–92.—**Ferreira Jorge, C.** Ação do Serviço de assistência obstétrica a domicilio no Departamento de puericultura. Rev. gin. obst., Rio, 1942, **36:** pt 2, 99–106.—**Field, A. B.** Hospital or domiciliary confinement. Lancet, Lond., 1942, **2:** 201.— **Finogenova, M. D.** [Childbirth outside of hospitals; 2,590 cases] Feldsher, Moskva, 1941, No. 10, 48–50.—**Flaskamp.** Richtlinien zur Abgrenzung häuslicher und klinischer Geburtshilfe und Vorschläge zur Reform der geburtshilflichen Ausbildung. Arch. Gyn., Berl., 1929, **137:** 805–7; Disc., 842–66.—**Garrison, J. E.** Delivering babies at home. J. M. Ass. Alabama, 1942–43, **12:** 228–31.—**Geller, F. C.** Häusliche und klinische Geburtshilfe. Med. Klin., Berl., 1936, **32:** 1064–7. Also Arch. Gyn., Berl., 1936, **161:** 359–61; Disc., 368–71. Also Zbl. Gyn., 1936, **60:** 140.—**Gerhardi, K. A.** Hausentbindung oder Anstaltsentbindung? Zschr. ärztl. Fortbild., 1935, **32:** 311–4.—**Giletto, B. J.** Management of home deliveries. Med. Clin. N. America, 1945, **29:** 1525–37.— **Gillaspie, C.** Care of obstetric cases outside of hospitals Colorado M., 1931, **28:** 112–7.—**Gillespie, W. P.** The home delivery. In: Obst. Manag. & Nurs. (Woodward, H. L., & Gardner, B.) Phila., 1936, 707–21; 2. ed., 1940, 715–30; 3. ed., 1945, 407–23. Also in: Essentials of Obstetrics (Woodward, H. L., & Gardner, B.) Phila., 1943, 377–93.—**Gimpelson, D. I.** [Confinement at home] Akush. gin., 1939, No. 8, 24–7.— **Halter, G.** Häusliche Geburtshilfe. Wien. klin. Wschr., 1937, **50:** 1333.—**Hamilton, J.** Domiciliary v. hospital midwifery. Midwives Chron., Lond., 1947, **60:** 136–8.—**Hamner, J. L.** The management of the normal labor in the home. South. M. & S., 1940, **102:** 245.—**Hausentbindungen** oder Anstaltsentbindungen. Reichsgesundhbl., 1935, **10:** 1045.—**Hay, J. R. W., Wiseman, D. C., & Kelly, C.** Domiciliary midwifery and the family doctor. Brit. M. J., 1945, **2:** 401.—**Hebammenwesen** (Hausentbindungen, Anstaltsentbindungen) Reichsgesundhbl., 1934, **9:** 869.—**Hefferman, L. W.** Domiciliary obstetrics. Med. World, Lond., 1946, **64:** 775; passim.—**Hemschemeyer, H.** Midwifery in the United States; how shall we care for the million mothers whose babies are born at home? Am. J. Nurs., 1939, **39:** 1181–7.—**Hirsch, M.** Ueber häusliche und klinische Geburtshilfe. Med. Klin., Berl., 1928, **24:** 962–4. ——— Ueber die Arbeitsteilung der Geburtshilfe in häuslich-normale und klinisch-operative. Zbl. Gyn., 1928, **52:** 1377; 1434.—**Holtermann, C.** Grenzen der häuslichen Geburtshilfe bei Störungen in der Nachgeburtsperiode. Arch. Gyn., Berl., 1935–36, **160:** 101; 1936, **161:** 361; Disc., 368. Also Zbl. Gyn., 1936, **60:** 140–2.—**Horn, J. M.** Advantages of hospital obstetrics over obstetrics in the home. Texas J. M., 1932, **28:** 484–8.—**Hospital** and home confinements [Germany] J. Am. M. Ass., 1938, **110:** 453.—**Huater, J. M.** Domiciliary midwifery. Med. Press & Circ., Lond., 1945, **214:** 189–91.— **Husslein, H.** Zur Frage Haus- oder Anstaltsgeburt. Zbl. Gyn., 1940, **64:** 1954–61.—**James, G. P.** Hospital or domiciliary confinement. Lancet, Lond., 1942, **2:** 138.—**Janes, O. G.** Obstetrical care in the home. Dallas M. J., 1938, **24:** 118–21.— **Jenkins, H. H.** The management of home deliveries. J Tennessee M. Ass., 1937, **30:** 211–4.—**Johannsen, T.** Was leistet die häusliche Geburtshilfe? Zbl. Gyn., 1929, **53:** 3523–7.—**Johnson, B. M.** The hygiene of the domiciliary labour room. J. State M., Lond., 1931, **39:** 453–6.—**Jones, G.** The cost of home delivery service in rural areas. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 810–5.—**Jung, P.** Ein Versuch zur Beschaffung sterilen Verbandmaterials für Geburt und Wochenbett im Privathaus. Schweiz. med. Wschr., 1926, **56:** 297.—**Kermauner, F.** Geburtsleitung im Privathaus und ihre Grenzen. Wien. klin. Wschr., 1930, **43:** 1495–9.— **Kirchner, W., & Moell, O. H.** Ein Beitrag zur Frage Hausgeburt oder Klinikgeburt. Zbl. Gyn., 1941, **65:** 1936–47.— **Klähr, C.** Zur Neuordnung der häuslichen Geburtshilfe. Zschr. Medbeamte, 1929, **42:** 409–15.—**Kovács, F.** Vergleich der Leistungsfähigkeit der häuslichen und klinischen Geburtshilfe auf Grund der Sammelstatistik der neuen ungarischen Geburtshilfeordnung. Arch. Gyn., Berl., 1936, **161:** 363–8; Disc., 368–71. Also Zbl. Gyn., 1936, **60:** 741–50. ——— Aerztliche Gesichtspunkte der häuslichen und Anstaltsgeburtshilfe auf Grund von 914,516 Entbindungen der Jahre 1933 bis 1937. Ibid., 1939, **63:** 830–43. ——— [Obstetrics at private houses and in institutions] Orv. hetil., 1939, **83:** 657; 687.— **Kubert.** Hausgeburt oder klinische Entbindung? Deut. Militärarzt, 1938, **3:** 297–9.—**Lackey, W. J.** Home obstetrics. South. M. & S., 1941, **103:** 553.—**Langston, H. J.** Delivering babies at home. Ibid., 1943, **105:** 119–21.—**Lantuéjoul, P.** Les limites de l'obstétrique à domicile. J. méd. chir., Par., 1935, **106:** 464–7.—**Laycraft, B.** Homestead obstetrics. Canad. Nurse, 1947, **43:** 352–6.—**Liebe** [Delivery at home or in hospitals?] Tschr. prakt. verlosk., 1928–29, **32:** 221–4.— **Lissack, E.** Simple and safe home obstetrics. J. Missouri M. Ass., 1936, **33:** 384–7.—**Logan, D. D., & MacKenzie, E. K.** Domiciliary midwifery and the family doctor. Brit. M. J., 1945, **2:** 294–6.—**Lonie, T. C.** The disadvantages of domiciliary midwifery. Med. Off., Lond., 1940, **63:** 227.—**Mabbott, J. M.** A list of requisites for obstetric cases at home. N. York M. J., 1904, **80:** 1194.—**McCulloch, M.** A normal home delivery. Trained Nurse, 1939, **102:** 419–24.—**McIlroy, A. L.** Domiciliary midwifery. Mag. London School M. Women, 1934, **29:** 101–9.—**McNeel, T.** The management of obstetric emergencies in the home. Marquette M. Rev., 1942–43, **7:** 109–15.—**Magg.** Einige Winke und Bemerkungen zur Geburtshilfe im Privathause. Münch. med. Wschr., 1941, **88:** 411–7.—**Makepeace, A. W.** The home-delivery service; a survey made in 15 medical schools. Child, Wash., 1942–43, **7:** 36–9.—**Matolcsy, K.** Beiträge zur Frage der Haus- und Anstaltsgeburt. Zbl. Gyn., 1938, **62:** 581–4.—**Menzies, M. F.** Hospital or domiciliary confinement? Lancet, Lond., 1942, **2:** 35–8.—**Micheli, C.** Parto negli istituti ostetrici o parto a domicilio? Umbria med., 1937, **17:** 3216–20.—**Miller, D. G.** Home obstetrics. N. Orleans M. & S. J., 1948–49, **101:** 467–71.—**Minish, L. T.** The care and delivery of the pregnant woman in her home. Kentucky M. J., 1926, **24:** 277–90.— **Moore, H. C.** Home or hospital care at childbirth. Med. World, 1936, **54:** 787.—**Nijhoff, G. C.** De verloskunde in het Ziekenhuis en in de huispraktijk. Ned. tschr. geneesk., 1909, **2:** 251–9.—**O'Brien, H. R.** Nursing study in a home delivery area. Pub. Health Nurs., 1944, **36:** 554–61.—**Orthner, F.** Haus- oder Spitalentbindung? Münch. med. Wschr., 1940, **87:** 279.—**Páll, G.** [Principles of conducting labor at home] Budapesti orv. ujs., 1933, **31:** 657–61.—**Palmerton, E. S.** Obstetrics in the home. Minnesota M., 1943, **26:** 176–9.— **Parto** no hospital ou a domicílio? An. paul. med. cir., 1943, **46:** 169.—**Petteway, G. H.** Obstetrical delivery in the home. South. M. & S., 1934, **96:** 635–7.—**Pierce, V. K.** The advantages of a home obstetrical service. Marquette M. Rev., 1942–43, **7:** 47–53.—**Pomeroy, R. H.** The primipara belongs to the expert and the hospital; the multipara to the family doctor

and the home. N. York State J. M., 1917, **17**: 314–6; Disc., 318–25. **Portteus, W. L.** Delivery technique in the home. J. Indiana M. Ass., 1932, **25**: 74–7.—**Preparing** for a delivery at home. Am. J. Nurs., 1940, **40**: 1313–27.—**Puppel.** Moderne Geburtshilfe in Klinik und Haus. Berl. klin. Wschr., 1909, **46**: 1261–4. ——— Richtlinien für die häusliche Geburtshilfe. Deut. med. Wschr., 1935, **61**: 139–43.—**Pye, E. M.** Domiciliary midwifery in Calcutta. Midwives Chron., Lond., 1946, **59**: 155.—**Ratiff, D. A.** Management of labor in the home. Mississippi Doctor, 1935–36, **13**: No. 10, 41–5.—**Rodecurt, M.** Häusliche und Anstaltsgeburtshilfe. Zbl. Gyn., 1939, **63**: 1929–32.—**Rott, Meier & Reichert, F.** Betrachtungen über Anstalts- und Hausgeburten. Ibid., 1940, **64**: 1442–54. Also Münch. med. Wschr., 1940, **87**: 1159 (Abstr.)—**Rubbelke, L.** Home delivery service in a generalized program. Pub. Health Nurs., 1944, **36**: 34–8.—**Schauta, F.** Ueber Geburtshilfe in Anstalten und ausserhalb derselben. Wien. klin. Wschr., 1908, **21**: 1545–9.—**Siegel, P. W.** Leistungen und Grenzen der häuslichen Geburtshilfe. Zbl. Gyn., 1934, **58**: 2642–53.—**Smith, M. E.** Home deliveries. South. M. J., 1935, **28**: 511–20.—**Theisen, E.** Betrachtungen über Anstalts- und Hausgeburten. Zbl. Gyn., 1940, **64**: 307–11. Also Med. Klin., Berl., 1940, **36**: 465 (Abstr.)—**Treloar, G. A.** Ideals in domiciliary midwifery practice. Nurs. Times, Lond., 1941, **37**: 858.—**Vitali, M.** Sui limiti e sulle possibilità dell'assistenza ostetrica domiciliare. Arte ostet., 1936, **50**: 41–7.—**Walker, A.** Home and hospital confinements. Midwives Chron., Lond., 1947, **60**: 265–9.—**Winter, E. W.** [Principal points in labor management at home] Bratisl. lek. listy, 1936, **16**: Suppl., 205–11. ——— Beiträge zur normalen Hausgeburt. Wien. med. Wschr., 1938, **88**: 892–4.—**Winter, G.** Die Zukunft der häuslichen Geburtshilfe. Med. Klin., Berl., 1929, **25**: 8; 56. ——— Kritische Bemerkungen zu dem Aufsatz Siegels Leistungen und Grenzen der häuslichen Geburtshilfe. Zbl. Gyn., 1935, **59**: 787.—**Wood, F. L.** Antiseptic delivery in the home. Clin. M. & S., 1936, **43**: 389–91. ——— Home versus hospital care in childbirth. Med. World, 1936, **54**: 517–9.—**Zabriskie, L. E.** Maternity nursing in hospital and home. Am. J. Nurs., 1929, **29**: 1157–65.—**Zanela, S.** [Where should the woman be confined] Liječ. vjes., 1940, **62**: 427–32.

—— Hospital and institutional confinement.

See also **Maternity hospital; Obstetrics,** Institutions.

Hampton Court, Engl. Princess Frederica's Convalescent Home for Married Women after Childbirth, with their Infants. Financial statement. 4 l. 4° Lond., 1888.

Kalt, A. *Die ausschliessliche Benutzung von Entbindungsanstalten zur Abwicklung des Geburtsvorganges und der Wochenbettspflege; eine medizinisch-sociale Studie [Zürich] 33p. 8° Aarau, 1907.

Köhler, U. *Kritische Betrachtung der Resultate der Staatlichen Hebammenschule, Entbindungsanstalt und Frauenklinik Bamberg in den Jahren 1943–1945 [Erlangen] 35p. 21cm. Coburg, 1948.

Kohl, H. *Zur Frage des Transportes Kreissender. 57p. 8° Münch., 1934.

Kullmann, K. *Ueber geburtshilfliche Fälle, bei welchen der Transport in die Klinik lebensrettend war [München] 14p. 8° Düsseld., 1934.

Minnesota. U. S. A. Division of Social Welfare. Medical Unit. Directory of maternity homes and hospitals receiving maternity patients. S. Paul, 1938–

Sigrist, R. M. *Kritische Betrachtung der Resultate der Staatlichen Hebammenschule, Entbindungsanstalt und Frauenklinik Bamberg in den Jahren 1946–1948 [Erlangen] 87p. 8° Bamberg, 1949.

Teichtweier, J. G. *Kritische Betrachtung der Resultate der Staatlichen Hebammenschule, Entbindungsanstalt und Frauenklinik zu Bamberg in den Jahren 1937–1939. 42p. 8° Erlangen, 1940.

Anselmino, K. J. Die Zunahme der Anstaltsentbindungen im Rheinland und ihre Gefahren für die Unterrichtsstätten und die freien Hebammen. Oeff. Gesundhdienst, 1937–38, **3**: B, 765–75.—**Betts, B. F.** The advantages of hospital treatment of maternity cases. Hahneman. Month., 1908, **43**: 801–8.—**Biancardi, G.** Rendiconto clinico statistico dell'Asilo Regina Elena per le madri povere legittime nell'anno 1933. Arte ostet., 1934, **48**: 413–9.—**Bielek, T.** A szülőotthonok szociális és egészségügyi vonatkozásairól. Népegészségügy, 1942, **23**: 1428–32.—**Browne, H. E.** Midwifery at the Hyden Hospital. Q. Bull. Frontier Nurs. Serv., Lex., 1942–43, **18**: No. 3, 3–7.—**Coston, R. H.** An analysis of 132 deliveries at the Salvation Army Rescue Home. Alabama M. J., 1908–09, **21**: 712–7.—**Devraigne, L.** Les maternités rurales. Méd. inf., Par., 1947, **54**: 49–57.—**Edeling, A.** Zur Frage der Anstaltsentbindungen. Zbl. Gyn., 1941, **65**: 1700–3.—**Franz, R.** Bevölkerungsbewegung, Mütter- und Säuglingssterblichkeit im Zusammenhang mit der Anstaltsgeburtshilfe. Wien. klin. Wschr., 1938, **51**: 1253–8.—**Goldstein, R.** Die Zunahme der Anstaltsentbindungen im Deutschen Reich. Arch. Frauenk., 1932, **18**: 233–55.—**Groves, E. R.** Hospital versus home delivery. In his Marriage, N. Y., 1941, 407–10.—**Haselhorst, G.** Ergebnisse der Klinikentbindung; Sammelstatistik aus 27 Universitäts-Frauenkliniken und Hebammenlehranstalten. Arch. Gyn., Berl., 1942, **173**: 247–54. Also Zbl. Gyn., 1942, **66**: 114–7.—**Haultain, W. F. T.** A comparison of maternity hospital records during the last 20 years as a basis for thoughts for the future improvement of midwifery. Edinburgh M. J., 1948, **55**: 463–87.—**Helesfai, S.** Hozzászólás a szülőotthonkérdéshez. Népegészségügy, 1943, **24**: 755.—**Jaeger, H.** Anstaltsentbindung und Kostendeckung aus den Leistungen der Wochenhilfe. Zschr. ges. Krankenhauswes., 1938, 439–41.—**Ledeboer, J. G.** Planning a home; making a home; running a home. Mother & Child, Lond., 1946, **17**: 82–4.—**Levi, M. F.** [Prophylactic work of the kolkhoz lying-in homes] Feldsher, Moskva, 1943, 37–43.—**Lint, J. G. de.** [The oldest known lying-in hospitals at Philae, Edfu, Deir el Bahri and Luxor] Ziekenhuis, 1928, **19**: 132–4.—**Logan, J. S.** For and against institutional midwifery. J. R. San. Inst., 1949, **69**: 496–502.—**Marsh, M. L.** Emergency maternity homes, 1939–45. Med. Off., Lond., 1947, **78**: 145–9.—**Orgler, A.** Ueber die Zusammenarbeit von Entbindungsanstalt und Mütterheim. Zschr. ges. Krankenhauswes., 1926, **22**: 397.—**Plass, E. D.** The increase in hospital deliveries. Am. J. Obst., 1940, **40**: 659–61.—**Pohlen, K.** Die Anstaltsentbindungen in Zürich. Deut. med. Wschr., 1935, **61**: 1644.—**Pólya, K.** A szülőotthonokról. Népegészségügy, 1942, **23**: 1263–7.—**Remetei, F. A.** Hozzászólás a szülőotthon-kérdés megoldásához. Ibid., 1943, **24**: 437.—**Schauta, F.** Ueber Geburtshilfe in Anstalten und ausserhalb derselben. Wien. klin. Wschr., 1908, **21**: 1545–9.—**Schreiner, E. T.** Hospital versus home care of confinement cases. North Am. J. Homeop., 1905, **53**: 376–9.—**Statistische** (Die) Bedeutung der Anstaltsentbindungen. Aerztebl. Hessen, 1939, **7**: 269–71.—**Szabados, S.** A tanyai szülőnők szülési és gyermekágyi ellátása a szülőotthonokban Pestvármegyében. Népegészségügy, 1943, **24**: 749–53.—**Watson, J. M.** The making of a good nurse; admitting a new patient. Nurs. Mirror, Lond., 1946–47, **84**: 249.

—— Instruments, tools, and records.

Angerer, E. Das Hebammendesinfektionskästchen, ein unentbehrlicher Ausrüstungsgegenstand der Hebammentasche. Münch. med. Wschr., 1910, **57**: 694–6.—**Barnes, H. E. W.** Aids in the management of labor. Tr. Iowa M. Soc., 1902, **20**: 285–94.—**Bauer.** Die Hebammentasche. Zschr. Medbeamte, 1905, **18**: 307–15.—**Beattie, J.** The equipment and instruments for midwifery in general practice. Practitioner, Lond., 1939, **142**: 179–86.—**Biscow, H. B.** Obstetrical measuring instrument. U. S. Patent Off., 1946, No. 2,394,140.—**Blackburn, L.** Searchin' the midwife's bag. Pub. Health Nurs., N. Y., 1937, **29**: 119–21.—**Bloom, O. H.** A new abdominal binder for intrapartum use. Am. J. Obst., 1943, **45**: 1050–3.—**Caffaratto, T. M.** Nuovi strumenti utili per la pratica ostetrica. Gazz. med. ital., 1938, **97**: 414–9.—**Caspary, H.** Geburtshilflicher Gurt. Münch. med. Wschr., 1926, **73**: 1711.—**Dobal, E.** A bába eszközeinek kiegészítése. Népegészségügy, 1944, **25**: 274.—**Dumas.** Instrument obstétrical. C. rend. Ass. fr. avance. sc. (1912) 1913, **41**: 740–2.—**Ebstein, E.** Zur Verwendung des Handschuhes in der Geburtshilfe im Jahre 1758. Mschr. Geburtsh. Gyn., 1927, **76**: 39.—**Elam, J.** Gas-and-air apparatus for midwives. Lancet, Lond., 1935, **2**: 1255.—**Farkas, L.** A bábanaplók fontosságáról és annak kitöltéséről. Népegészségügy, 1941, **22**: 962–5.—**Friton, B.** Gebärbrett für die ländliche Geburtshilfe. Med. Klin., Berl., 1943, **39**: 219.—**Geburtshilfliche** und gynäkologische Instrumente und Handgriffe. Schweiz. Hebamme, 1946, **44**: 73; 83.—**Gossett, W. B.** Rubber gloves in obstetrical practice. Kentucky M. J., 1911, **9**: 705–9.—**Hager, S.** The obstetrical binder. N. York M. J. 1905, **82**: 335; 386.—**Hannes, W.** Die Gummihandschuhprophylaxe in der Geburtshilfe. Zschr. Geburtsh. Gyn., 1909, **65**: 96–128.—**Hebammen-Wochenbettpackungen.** Reichsgesundhbl., 1937, **12**: 318.—**Jones, B. M.** Obstetrical appliance. U. S. Patent Off., 1941, No. 2,241,136.—**Jones, R. F.** A portable anaesthetic apparatus for self-administration in midwifery. Brit. M. J., 1935, **2**: 1050.—**Klaauw, C. J. v. d.** [Former obligatory instrumentarium of the accoucheur] Ned. tschr. geneesk., 1940, **84**: 4814–23.—**Kritzler.** Aseptisches Lochtuch für die Aussengeburtshilfe. Deut. med. Wschr., 1925, **51**: 1406.—**Lasaïgues, P.** Un nouveau percemembranes. Arch. méd. Toulouse, 1902, **8**: 454.—**McKay, F. L.** Obstetric package project. Commonhealth, Bost., 1938, **25**: No. 1, 47.—**Moir, J. C.** A new type of nitrous-oxide machine for self-induction of analgesia during labour. Proc. R. Soc. M., Lond., 1936–37, **30**: 1281.—**New** emergency kit for blitz-born babies. Science News Lett., 1941, **40**: 57.—**Penny, C. J.** An improved obstetric belt. Lancet, Lond., 1933, **2**: 1480.—**Petit.** Trousse d'accoucheuse chinoise. J. med. Bordeaux, 1906, **36**: 747.—

Phillips, R. E. The sterile obstetrical package. Rocky Mountain M. J., 1938, **35**: 778.—**Price, J. S.** Obstetrical instrument. U. S. Patent Off., 1941, No. 2,227,673.—**Rashkes, A. S.** K voprosu o polzîe rezinovykh perchatok v akushorskoĭ praktikîe. J. akush., 1905, **17**: 1779–90.—**Rothschuh, E.** Eine aseptische Wochenbettbinde. Münch. med. Wschr., 1907, **54**: 620.—**Saniter, R.** Geburtshilfliches Besteck. Ibid, 1913, **60**: 1437.—**Segar, H. R.** Portable gas and air machine for midwifery. Brit. M. J., 1936, **2**: 630.—**Stöger, J.** Obstetrical device. U. S. Patent Off., 1912, No. 1,029,034.—**Torpin, R.** Obstetrical device. Ibid., 1940, No. 2,194,989.—**Vanselow.** Das Desinfektionskästchen für Hebammen. Münch. med. Wschr., 1910, **67**: 2768.—**Wachenfeldt, S. v.** Eine Signaluhr für Geburtshelfer. Zbl. Gyn., 1926, **50**: 2372–4.—**Walther, H.** Sollen die Landhebammen mit Gummihandschuhen ausgerüstet werden? Münch. med. Wschr., 1907, **54**: 267.—**Weinzierl, E.** Geburtshilflicher Koffer. Med. Klin., Berl., 1929, **25**: 437.

—— Lectures.

Huguet y López, L., ed. Conferencias sanitarias para comadronas. 291p. 23½cm. La Habana, 1941.

Murga y Serret, J. de. Apuntes de matronas. 2. curso. 162 l. 16½ x 22cm. Madr. [After 1930]

[Nebraska] University of Nebraska. College of Medicine. Notes in junior obstetrics. 144p. 8° Omaha, 1929.

Ross, A. Midwifery coaching lessons. 12. ed. 364p. 32° Lond., 1937.

Sage, E. C. Obstetrical notes for juniors. 154p. 8° Omaha, 1930.

Schulze, A. G. Outline of lectures in obstetrics. 32 l. 8° S. Paul, 1932.

Syllabus (A) of lectures on obstetrics for nurses, prepared by a committee appointed by the American Gynecological Society. 38p. 8° N. Y., 1930.

Favreau. Leçons du cours de perfectionnement des sages-femmes, 9. série. J. obst. gyn., Lille, 1938, **9**: No. 3, 51–3.—**Obstetricia** para enfermeras. Enferm. argent., 1945–46, **2**: No. 23, 6; passim.

—— Manuals.

See also **Obstetrics,** Manuals. For textbooks for midwives see also **Midwife,** Manuals; also under names of specific subjects.

Agustí Planell, D. Carrera de matrona. 4. ed. 270p. 21cm. Barcel., 1943.

Andrews, H. R., & Lack, V. J. F. Midwifery for nurses. 8. ed. 280p. 19cm. Lond., 1939. Also 9. ed. 246p. 20cm. 1945.

Banister, J. B. A manual for midwives. 4. ed. 328p. 8° Lond., 1932.

Baudelocque, J. L. An abridgment of Mr. Heath's translation of Baudelocque's midwifery. 588p. 8° Phila., 1811.

Berkeley, C. Pictorial midwifery. 3. ed. 166p. 23cm. Lond., 1939. Also 4. ed. 1941.

—— & Dupuy, G. M. An atlas of midwifery. 160p. 8° Lond., 1926.

Bishop, H. D. Obstetric duties of mother and nurse. 2. ed. 96p. 8° Clevel., 1904.

Boer, L. J. Abhandlungen und Versuche geburtshilflichen Anhalts zur Begründung einer naturgemässen Entbindungsmethode und Behandlung der Schwangern, der Wöchnerinnen und neugebohrnen Kinder, nach den an der öffentlichen Entbindungsschule am Wiener allgemeinen Gebährhause gemachten Erfahrungen und gesammelten Beobachtungen. 2v. in 3. 8° Wien, 1791–1806.

Bookmiller, M. M., & Bowen, G. L. Textbook of obstetrics and obstetric nursing. 737p. 20½cm. Phila., 1949.

Bourne, A. W. Midwifery for nurses. 312p. 8° Lond., 1935. Also 2. ed. 314p. 1939. Also 3. ed. 296p. 1944.

Brandt, K. K. H. Laerebok for jordmødre. 5. utg. 424p. 21cm. Oslo, 1944.

Brown, R. C., & Gilbert, B. Midwifery. 796p. 19cm. Lond., 1940.

Browne, F. J. Antenatal and postnatal care. 6. ed. 644p. 21cm. Lond., 1946.

Browne, O. T. D. A manual of practical obstetrics. 2. ed. 267p. 23cm. Bristol, 1948.

Bucchi, G., & Morrica, M. L'ostetrica e la sua professione. 301p. 25cm. Roma, 1941.

Bulman, M. W. Midwifery and obstetric nursing. 358p. 22½cm. Lond., 1941.

Burns, J. The principles of midwifery; including the diseases of women and children. 7. ed. 746p. 22cm. Lond., 1828.

Cambon, E. Questions de garde d'accouchement. 3. éd. 242p. 18cm. Marseille, 1943.

Capuron, J. Cours théorique et pratique d'accouchemens, dans lequel on expose les principes de cette branche de l'art. Nouv. éd. 264p. 23½cm. Brux., 1836.

Churchill, F. On the theory and practice of midwifery. Am. ed. from 2. Dublin ed. 510p. 8° Phila., 1851.

Cooke, J. B. Nurse's handbook of obstetrics for use in training-schools. 391p. 8° Phila., 1903.

Cova, E., ed. Trattato di ostetricia minore. 3v. 24cm. Milano, 1947.

—— Viana, O., & Roi, G. Puericultura pre- e postnatale. 388p. 24cm. Milano, 1947.

Forms v.3, Tratt. ostet. min. (Cova, E.) Milano, 1947.
Issued as the 4. edition of Manuale di puericultura, by Viana & Roi.

Cuzzi, A. Manuale di ostetricia ad uso delle levatrici. 9. ed. 610p. 8° Milano, 1936.

Davis, M. E., & Carmon, M. C. De Lee's Obstetrics for nurses. 13. ed. 597p. 20½cm. Phila., 1944. Also 14. ed. 640p. 1947.

De Cotret, E. A. R. L'obstétrique des gardes-malades. 5. éd. 152p. 23cm. Montréal, 1944.

Dekker, M. Een nuttige werkkring van de vrouw, miskend. 16p. 8° Purmerend, 1913.

De Lee, J. B. Obstetrics for nurses. 3. ed. 512p. 8° Phila., 1908. Also 9. ed. 645p. 1930. Also 10. ed. 666p. 1933.

—— & Carmon, M. C. Obstetrics for nurses. 11. ed. 659p. 8° Phila., 1937. Also 12. ed. 651p. 1941.

Deleurye, F. A. Traité des accouchemens. 2. éd. 559p. 20cm. Par., 1777.

Dewees, W. P. A compendious system of midwifery. 9. ed. 660p. 8° Phila., 1839.

Dobrowolski, S. Nauka położnictwa dla użytku położnych. 414p. 8° Kraków, 1913.

Dubrisay, L., & Jeannin, C. Précis d'accouchement. 9. éd. 889p. 18½cm. Par., 1943. Also 11. éd. 895p. 1946. Also 12. éd. 925p. 1949.

Duru, M. C. Köy obelerine rehber. 308p. 24cm. Ankara, 1943.

Eden, T. W. A manual of midwifery. 518p. 23cm. Lond., 1906.

Fairbairn, J. S. A text-book for midwives. 5. ed. 369p. 8° Lond., 1930.

Falls, F. H., & McLaughlin, J. R. Obstetric nursing. 557p. 22½cm. S. Louis, 1946.

Falsia, M. V. Asistencia del parto. 137p. 22½cm. B. Air., 1928.

Fullerton, A. M. Handbook of obstetric nursing for nurses, students and mothers. 3. ed. 264p. 12° Phila., 1893. Also 6. ed. 270p. 1903.

Gammeltoft, S. A. Obstetrik. 140p. 25cm. Kbh. [1949?]

Forms No. 13 v.2, Haandb. sygeplejer., Kbh., 1945–49.

Garran, G. Obstetrical nursing procedures; including the standing orders of the Boston lying-in hospital. 58p. 27½cm. Ann Arb., 1941.

Gibberd, G. F. A short textbook of midwifery. 529p. 8° Lond., 1938. Also 2. ed. 548p. 1941. Also 3. ed. 542p. 1943. Also 4. ed. 563p. 1947.

Green-Armytage, V. B. Tropical midwifery; labour-room clinics. 173p. 16° Calc., 1928.

Hamilton, A. Outlines of the theory and practice of midwifery; to which are added Smellie's anatomical tables with explanations. 2. ed. 400p. 8° Phila., 1806.

Haultain, F. W. N., & Ferguson, J. H. Handbook of obstetric nursing. 229p. 12° Edinb., 1889.

Hebammen-Lehrbuch; hrsg. im Auftrage des Preussischen Ministers für Volkswohlfahrt. 454p. 8° Berl., 1920.

Hollick, F. The matron's manual of midwifery, and the diseases of women during pregnancy and in childbed. 458p. 15cm. N. Y., 1849. Also new ed. 379p. 1890.

Jellett, H. A short practice of midwifery, embodying the treatment adopted in the Rotunda Hospital, Dublin. 4. ed. 557p. 19cm. Lond., 1903. Also 5. ed. 654p. 1908. Also 6. ed. 619p. 1913. Also 7. ed. 545p. 1918. Also 9. ed. 591p. 1924. Also 12. ed. 483p. 1942. Also 13. ed. 456p. 1945.

—— & Madill, D. G. A manual of midwifery for students and practitioners. 4. ed. 1281p. 8° Lond., 1929.

Jewett, C. Manual of childbed nursing. 23p. 12° Brooklyn, 1889. Another ed., 40p. Brooklyn, 1891.

Johnstone, R. W. A text-book of midwifery for students and practitioners. 4. ed. 508p. 19cm. Lond., 1923. Also 6. ed. 447p. 8° 1932. Also 8. ed. 471p. 1936. Also 10. ed. 491p. 1939. Also 11. ed. 1942.

—— The midwife's text-book of the principles and practice of midwifery. 365p. 23cm. Lond., 1944. Also 2. ed. 381p. 1946.

Jones, A. M. Manual for teaching midwives. 139p. 25cm. Wash., 1941.

Jordan, H. Nauka położnictwa dla użytku położnych. 2v. in 1. 216p.; 261p. 22cm. Kraków, 1872–73. Also 2. wyd. 498p. 26cm. Chic. [1885?]

Kaïres, M. G. Ἐγκόλπιον τῆς μαίας. 456p. 21½cm. Athenai, 1927.

—— Μαιευτική. ἔκδ.β'. 959p. 22cm. Athenai, 1930.

Kinosita, S. Sanbagaku kōgi. 15. han, zōsatu; ge kan. p.471–968. 22½cm. Tōkyō, 1934.

—— Sanbagaku kōgi. 16. han, zōsatu; zyō kan. 470p. 22½cm. Tōkyō, 1932.

Kirstein, F. Leitfaden für den Hebammenunterricht; auf Grund des Preussischen Hebammenlehrbuches. 171p. 8° Berl., 1912.

Kouwer, B. J. Kraamerpleging. 208p. 8° Gröningen, 1920.

Lee, W. G. Childbirth; an outline of its essential features and the art of its management. 300p. 8° Chic., 1928.

Lukis, C. P. An elementary manual of midwifery for the use of Indian midwives in receipt of scholarships from the Victoria Memorial Scholarship Fund. 3. ed. 122p. 18cm. Calc., 1925.

Maroudes, G. D. Μαιευτικαὶ ἐπεμβάσεις. 434p. 21cm. Athenai, 1929.

Martin, E. Wochenbett- und Säuglingspflege; Leitfaden für Mütter und Wochenbettpflegerinnen. 2. Aufl. 114p. 8° Berl., 1922.

Maunsell, H. The Dublin practice of midwifery. 292p. 19cm. N. Y., 1842. Also new ed. 315p. Lond., 1871.

Mayes, M. Handbook for midwives and maternity nurses. 467p. 8° Lond., 1937. Also 3. ed. 495p. 1941.

Mazarem, J. da R. Compilação de doutrinas obstétricas em forma de compendio para a instrucção dos que se dedicão ao estudo desta arte. 395p. 20½cm. Lisb., 1833.

Metzger, M. L'accoucheur moderne. 602p. 8° Par., 1931. Also 2. éd. 548p. 1948.

Michelazzi, L. Elementi di fisiopatologia ad uso delle allieve ostetriche. 77p. 24½cm. Pisa, 1939.

Midwifery. 4. ed., rev. by Douglas Miller. 2 pts. 132p. 18cm. Edinb., 1945.

Miller, D. Midwifery for nurses. 2. ed. 264p. 12° Lond., 1937.

Moreau, E. Instruction sur l'art des accouchemens pour les sages-femmes de la campagne. 44p. 18½cm. Montréal, 1834.

Moreau, F. J. Tratado práctico de los partos. Atlas. 33p. 25x33½cm. Madr., 1849.

Móyseides, M. Ὑγιεινὴ τῆς ἐγκύου, τῆς ἐπιτόκου, τῆς λεχωΐδος καὶ τῆς γαλουχούσης. 223p. 20½cm. Alexandreia, 1927.

[New York] Maternity Center Association. Public health nursing in obstetrics. Pt 1. 83p. 23cm. N. Y., 1940.

Palmero, A. Elementos de obstetricia para la enseñanza de las señoras. 295p. 16cm. Méx., 1897.

Paucot, H., Bédrine, H. [et al.] Obstétricie pratique. 563p. 25cm. Lille, 1945. Also 2. éd. 567p. 1947.

Plenck, J. J. von. Elémens de l'art des accouchemens. 248p. 20½cm. Lyon, 1789.

Puxon, C. M. [H.] Handbook of midwifery. 326p. 19cm. Lond., 1949.

Reed, C. B., & Cooley, B. I. A textbook of obstetrics, with special reference to nursing care. 476p. 22cm. S. Louis, 1939.

Reed, C. B., & Gregory, C. L. Obstetrics for nurses. 3. ed. 399p. 8° S. Louis, 1930.

Rice, F. W. Outline in obstetrics for nurses. 228p. 8° S. Louis, 1930.

Rochester, Minn. St Mary's Hospital. School of Nursing. Syllabus in obstetrics and pediatric nursing. 56 l. 27cm. Minneap., 1945.

Sackett, S. P. Mother, nurse and infant; a manual especially adapted for the guidance of mothers and monthly nurses, comprising full instruction in regard to pregnancy, preparation for child-birth, and the care of mother and child, etc. 387p. 8° N. Y., 1889.

Sakuma, K. Sanbagaku kyōkasyo. 67. han. 6. kan. 191p. 22cm. Tōkyō, 1937. Also 69. han. 3. kan. 140p. 1937. Also 71. han. 5. & 7. kan. 130p.; 120p. 1937. Also 72. han. 2. & 4. kan. 154p.; 70p. 1937. Also 74. han. 1. kan. 170p. 1937.

Schröder, R., ed. Hebammenlehrbuch. 585p. 21cm. Lpz., 1947.

Shaw, W. Textbook of midwifery. 588p. 23cm. Lond., 1943. Also 2. ed. 649p. 1947. Also 3. ed. 1949.

—— Textbook for midwives. 689p. 19cm. Lond., 1948.

Solomons, B. Practical midwifery for nurses. 354p. 8° Lond., 1930.

Spencer, D. System of midwifery, theoretical and practical. 589p. 8° Edinb., 1784.

Van Blarcom, C. C. Obstetrical nursing. 3. ed. 651p. 8° N. Y., 1933.

Viana, O. Libro di testo per le scuole ostetriche. 3. ed., v. 2. 446p. 23½cm. Roma, 1941.

White, C., Berkeley, C., & Fairbairn, J. S. Midwifery. 5. ed. 740p. 8° Lond., 1935.

White, C., Berkeley, C., & Cook, F. Midwifery. 6. ed. 676p. 23½cm. Lond., 1938.

White, C., Cook, F., & Gilliatt, W. Midwifery. 8. ed. 560p. 22cm. Balt., 1948.

Woodward, H. L., & Gardner, B. Obstetric management and nursing. 744p. 8° Phila., 1936. Also 2. ed. 752p. 1940. Also 3. ed. 828p. 1945.

Worcester, A. Monthly nursing. 250p. 16° Bost., 1886.

Zabriskie, L. Nurses handbook of obstetrics. 535p. 8° Phila., 1929. Also 2. ed. 561p. 1931. Also 4. ed. 537p. 1934. Also 5. ed. 724p. 1937. Also 6. ed. rev. 740 (i. e. 781)p. 1940. Also 7. ed. 714p. 1944. Also 8. ed. 716p. 1948.

Burckhard, G. Das neue preussischen Hebammenlehrbuch. Zbl. Gyn., 1929, **53**: 2074–83.—**Claren.** Ueber die den praktischen Arzt interessierenden Bestimmungen des neuen Hebammenlehrbuchs. Deut. Med. Ztg, 1905, **26**: 289–92.—**Findley, P.** The midwives' books. Med. Life, N. Y., 1935, **42**: 167–86.—**Holste, C.** Vorschläge zur Verbesserung des neuen preussischen Hebammenlehrbuches. Berl. klin. Wschr., 1913, **50**: 400–2.—**Kschischo.** Das neue Preussische Hebammenlehrbuch. Zschr. ärztl. Fortbild., 1928, **25**: 196.—**Rissmann.** Alte und neue Wünsche zum preussischen Hebammen-Lehrbuche. Zschr. Medbeamte, 1906, **19**: 167–74.—**Solomons, B.** Midwifery, by Ten Teachers [Bk Rev.] Med. Press & Circ., Lond., 1932, **133**: 47.—**Stoeckel, W.** Das neue deutsche Hebammenlehrbuch; eine Besprechung. Zbl. Gyn., 1944, **68**: 59–67.—**Stoffels.** Das neue preussische Hebammenlehrbuch und die den Arzt interessierenden neuen Bestimmungen desselben. Repert. prakt. Med., Berl., 1905, **2**: 293–9.—**Szénásy, J.** A szülésznők tankönyve, és jelentősége az anya- és újszülöttvédelemben. Népegészségügy, 1948, **29**: 465–7.—**Walther.** Einige Bemerkungen über das neue preussische Hebammenlehrbuch. Prakt. Arzt, 1928, n. F., **13**: 261; 291.

—— Medical aspect.

See also **Midwife,** Relations to physicians; also **Obstetrics.**

Asher, E. O. Obstetrics in general practice. J. Indiana M. Ass., 1935, **28**: 422–4.—**Burn, J. L.** The responsibility and opportunities of local health authorities. Midwives Chron., Lond., 1947, **60**: 270–2.—**DeLee, J. B.** Obstetrics versus midwifery. J. Am. M. Ass., 1934, **103**: 307–11.—**Dewar, J. B., & Lee, A. F.** The rôle of the general practitioner in future midwifery practice. Edinburgh M. J., 1947, **54**: 228–38.—**Dunlop, J.** The rôle of the general practitioner in obstetric practice. J. State M., Lond., 1936, **44**: 440–5.—**Eastman, N. J.** The obstetrician looks at maternity nursing. Pub. Health Nurs., 1946, **38**: 641–3.—**Farley, B. F.** Can antiseptic midwifery be done in general practice? Proc. Nebraska M. Soc., 1899, **31**: 227–30.—**General** (The) practitioner and midwifery. Brit. M. J., 1934, **2**: 211.—**Hackney, B. H.** The relation of the general practitioner to obstetrics. Tr. M. Soc. N. Carolina, 1916, **63**: 240–2.—**Holland, E.** The general practitioner and a midwifery service. Practitioner, Lond., 1945, **154**: 1–5.—**Ingram, A. S.** The doctor and midwifery. J. M. Ass. Georgia, 1941, **30**: 410.—**Lapham, M. E.** Cooperative obstetric delivery service by private physicians and county health departments. South. M. J., 1939, **32**: 191–7.—**Logan, D. D.** The general practitioner and midwifery. Lancet, Lond., 1934, **2**: 1141–3.—**McIlroy, A. L.** Midwifery and the general practitioner. J. R. San. Inst., 1925–26, **46**: 194–8. ——— **Oxley, W. H. F.** [et al.] Debate: That the general practitioner should not be excluded from the practice of midwifery. Tr. Hunterian Soc., Lond., 1937–38, **2**: 37–52.—**Maclean, E.** Midwifery and the general practitioner. Practitioner, Lond., 1939, **142**: 137–42.—**Mills, W. G.** Obstetric flying squads. Brit. M. J., 1947, **2**: 1055.—**Rutkowska, A.** [District physicians and obstetrical aid] Polska gaz. lek., 1938, **17**: 50.—**Stephen, J. A.** The rôle of the general practitioner in obstetric practice from the public health point of view. J. State M., Lond., 1936, **44**: 446–54.

—— Methods.

See also **Obstetrics,** Methods; also **Parturient,** Management; **Pregnant,** Care; **Puerpera,** Care.

Theobald, G. W. Obstetric regulations for use in obstetric units. 43p. 18° Lond., 1935.

Ballantyne, J. W The new midwifery; preventive and reparative obstetrics. Brit. M. J., 1923, **1**: 617–21.—**Beaulah, L.** First aid in midwifery. Nurs. Times, Lond., 1940, **36**: 664. ——— Post-graduate midwifery; the visit to the patient's home. Ibid., 1941, **37**: 368.—**Buchanan, A.** Midwifery mechanics. Ind. M. Gaz., 1920, **55**: 321; 401.—**Cartwright, H. H.** Some good and bad procedures in obstetrics. Texas J. M., 1934–35, **30**: 711–5.—**Claye, A. M.** Midwifery. Practitioner, Lond., 1943, **151**: 198–203.—**Falkiner, N. M.** Midwifery. Ibid., 1942, **149**: 266–9.—**Gaifami, P.** Le levatrici e la profilassi ostetrica. In his Convers. & lez. ostet. gin., Roma, 1933, 447–53. ——— I limiti di azione delle levatrici nella assistenza ostetrica. Ibid., 478–80.—**Heardman, H.** Physiotherapy; ante-natal and post-natal. Nurs. Times, Lond., 1949, **45**: 484.—**Johnstone, R. W.** The preventive frame of mind in midwifery. Brit. M. J., 1928, **1**: 6–9.—**McCall, J. W.** Latter months of pregnancy and the first few hours of the puerperal state. Tr. M. Soc. Tennessee, 1907, **74**: 330–3.—**Maygrier, C.** De l'accommodation pendant la grossesse et le travail. J. sages-femmes, Par., 1904, **32**: 18–21.—**Myles, M. F.** Psychology of mother and baby from a midwife's point of view. Nurs. Times, Lond., 1942, **38**: 174.—**Needham.** The application of dietetics to the maternity hospital. Midwives Chron., Lond., 1948, **61**: 34.—**Orlando.** Sui limiti d'azione della levatrice nell'esercizio pratico. Pensiero med., 1916, **6**: Suppl., p. cclxiv.—**Pink, C. V.** Physical exercises in midwifery. Lancet, Lond., 1933, **2**: 897.—**Reed, G. L.** Practical midwifery methods. Nurs. Mirror, Lond., 1947, **85**: 159; passim.—**Taylor, W.** Evaluation in normal and abnormal obstetrics. Midwives Chron., Lond., 1947, **60**: 103–7.—**Walker, A.** Conservative midwifery. Med. Press & Circ., Dubl., 1936, **192**: 368–71.—**Wasserberg, C., & Northam, E.** Some time studies in obstetrical nursing. Am. J. Nurs., 1927, **27**: 543.—**Waterson, V.** Psychological considerations on institutional midwifery. Brit. J. Psychiat. Social Work, 1948, No. 2, 24–9.—**Willigen, A. W. C. v. d.** [Psychic influence of the midwife on her patient] Tschr. prakt. verlosk., 1926, **30**: 341–9.

—— Methods: Anesthetization.

See also **Anesthetization,** obstetrical; **Parturition,** Anesthetization.

Cantor, I. J. *Schmerzlinderung bei der Geburt in englischsprechenden Ländern. 59p. 21cm. Bonn, 1938.

Collins, M. Schmerzlose Entbindung; Verhaltungsmassregeln zur Vermeidung der Schmerzen und Gefahren bei der Niederkunft. 8. Aufl. 127p. 8° Lorch-Württemb., 1937.

Drake, E. F. Maternity without suffering. 126p. 16° Phila., 1902.

Haberl, F. *Die Schmerzlinderung in der Geburtshilfe. 46p. 8° Würzb., 1932.

Lloyd-Williams, K. G. Anaesthesia and analgesia in labour. 96p. 8° Lond., 1934.

Minnitt, R. J. Gas and air analgesia. 84p. 19cm. Lond., 1938.

Stovin, G. H. T. Gas and air analgesia in midwifery. 76p. 16cm. Lond., 1944.

Albertelli, J. F., & Wernicke, G. R. Anestesia local y regional en la práctica obstétrica. Bol. Inst. mat., B. Air., 1937, **6**: 308–14.—**Anaesthetics** by midwives. Lancet, Lond., 1938, **1**: 799.—**Analgesics** suitable for administration by midwives. Brit. M. J., 1936, **1**: 273–5.—**Barr, A., & Tindal, A.** A new machine for the self-administration of gas-and-oxygen analgesia in labour. Lancet, Lond., 1937, **1**: 1271.—**Buswell, C. A.** Obstetrical analgesia and anesthesia with special emphasis on gas anesthesia. Rep. Nat. Ass. Nurse Anesth., 1934, 2. meet., 41–6.—**Caine, A. M.** Inhalation analgesics in obstetrics. Am. J. Surg., 1936, **34**: 463–7.—**Calvert, W.** Trichlorethylene in midwifery. Brit. M. J., 1947, **1**: 469.—**Chalmers, J. A.** Relief of pain in midwifery. Ibid., 1948, **1**: 661.—**Conn, L. C., & Vant, J. R.** The relief of pain during labour. Canad. M. Ass. J., 1935, **33**: 484–9.—**Devitt, D. C.** Analgesia in midwifery. Brit. M. J., 1948, **2**: 50.—**Elam, J.** Gas and air analgesia in labour. Ibid., 1935, **2**: 473. ——— Further developments in gas and air analgesia in labour. S. Barth. Hosp. J., Lond., 1935–36, **43**: 210–4. ——— Analgesics in labour from the midwife's point of view. Nurs. Times, Lond., 1937, **33**: 696–8. ——— Anaesthesia and analgesia in midwifery for general practitioners and midwives. Practitioner, Lond., 1938, **140**: 243–53. ——— Analgesia in domiciliary midwifery. J. Obst. Gyn. Brit. Empire, 1939, **46**: 61–70. ——— Anaesthesia and analgesia in midwifery. In: Mod. Anaesth. Pract. (Rolleston, H.) 2. ed., Lond., 1946, 70–88.—**Embree, E. D.** A discussion of obstetrical anesthesia and analgesia based on 5,000 cases. Texas J. M., 1938–39, **34**: 268–71. Also Current Res. Anesth., 1939, **18**: 329–33.—**Featherstone, H. W.** Anaesthesia and analgesia in midwifery. Med. Press & Circ., Lond., 1938, **196**: Suppl. 2, p. xiii–xix.—**Freed, F. C.** Administering an anesthetic to a maternity patient. Pub. Health Nurs., 1938, **30**: 697–700.—**Gas and** oxygen by midwives. Brit. M. J., 1941, **2**: 183.—**Grier, R. M.**

Pain relief in labor. Wisconsin M. J., 1938, **37**: 204–7.—**Grogan, R. L.** Analgesia in obstetrics. Bull. Am. Ass. Nurse Anesth., 1939, 7: 12–6.—**Gwathmey, J. T.** Analgesia in labor. Ibid., 161–6.—**Hass, E. C.** Caudal analgesia. Trained Nurse, 1947, **119**: 358–60.—**Hauser, H.** Schmerzlinderung während der Geburt mit dem Minnittschen Apparat. Wien. klin. Wschr., 1938, **51**: 663–5.—**Hiett, C.** The trends in obstetrical analgesia and anesthesia. Bull. Am. Ass. Nurse Anesth., 1937, **5**: 287–93.—**Hingson, R. A.** The control of pain and fear in the management of labor and delivery. Surg. Clin. N. America, 1945, **25**: 1352–81.—**Infantozzi, J., & Palma, E.** Analgesia obstétrica por gases. Arch. urug. med., 1936, **9**: 391–414.—**Jerie, J., & Pechar, A.** Použití kysličníku dusného k tišení bolestí při porodu. Cesk. gyn., 1948, **13**: 142–50.—**King, E. L.** Obstetrical anesthesia. Bull. Am. Ass. Nurse Anesth., 1938, **6**: 67–71.—**Legenchenko, I. S.** [Simple, safe and effective method in painless birth] Akush. gin., 1938, No. 6, 63.—**Lloyd-Williams, K.** Analgesia for domiciliary midwifery. Med. Press, Lond., 1948, **220**: 182–5.—**Mackey, R.** Analgesia and sedation in obstetrics. Australas. Nurs. J., 1947, **45**: 136–8.—**Mininger, E. P.** Continuous caudal anesthesia and analgesia in obstetrics. J. Am. Ass. Nurse Anesth., 1946, **14**: 7–10.—**Minnitt, R. J.** Analgesia in midwifery. Brit. M. J., 1937, **2**: 538–40. ——— The midwife's vital part in the administration of gas and air analgesia. Nurs. Mirror, Lond., 1949–50, **90**: 335.—**Moore, H. M.** Painless childbirth; Dr Read's technique. S. Afr. Nurs. J., 1947–48, **14**: No. 9, 12.—**Myburgh, A. L.** Painless childbirth. S. Afr. Nurse, 1945–46, **1**: No. 3, 9; No. 4, 9.—**Nixon, W. C. W.** Analgesia in midwifery. Brit. M. J., 1948, **2**: 155.—**Peel, J. H.** Relief of pain in midwifery. Nurs. Mirror, Lond., 1947, **86**: 229. Also Nurs. Times, Lond., 1948, **44**: 366.—**Perl-Pertyński, J.** Znieczulenie podtlenkiem azotu w położnictwie. Polski tygod. lek., 1948, **3**: 517; 559; 585.—**Raftery, L.** Analgesia and anaesthesia in obstetrics. Midwives Chron., Lond., 1946, **59**: 65–7.—**Redmon, L. C.** Relief of pain during labor. Kentucky M. J., 1930, **28**: 277–9.—**Reycraft, J. L.** Obstetrical analgesia and anesthesia. Bull. Am. Ass. Nurse Anesth., 1937, **5**: 238–43.—**Rivett, L. C.** Relief from pain at childbirth; British midwives use gas and air apparatus. S. Afr. Nurs. J., 1945–46, **12**: No. 2, 9.—**Rucker, M. P.** An 18. century method of pain relief in obstetrics. J. Hist. M., N. Y., 1950, **5**: 101–5.—**Seward, E. H.** Obstetric analgesia; a new machine for the self-administration of nitrous oxide-oxygen. Proc. R. Soc. M., Lond., 1949, **42**: 745. ——— Self-administered analgesia in labour; with special reference to trichlorethylene. Lancet, Lond., 1949, **2**: 781–3.—**Sister Peter, M.** Modern methods of minimizing pain during labor. J. Am. Ass. Nurse Anesth., 1948, **16**: 302–5.—**Starovoitov, I. M.** [1,000 cases of painless labour effected by the simplest methods] Akush. gin., 1939, No. 9, 26–8.—**Stovin, G. H. T.** Analgesia in midwifery. Nurs. Mirror, Lond., 1947–48, **86**: 321.—**Tretiakov, V. V.** [Painless labor accomplished with and without medicaments] Akush. gin., 1937, No. 12, 24.—**Use** of analgesics by midwives. J. Am. M. Ass., 1936, **106**: 1104.—**Use** of analgesics by midwives; report of an investigation by the British College of Obstetricians and Gynaecologists. Lancet, Lond., 1936, **1**: 282.—**Wernicke, G. R.** La cirugía obstétrica frente a la moderna anestesia por gases. Sem. méd., B. Air., 1936, **43**: pt 2, 336.—**Wessinger, I.** Analgesia and anesthesia in obstetrics. Bull. Am. Ass. Nurse Anesth., 1939, **7**: 100–2.—**Williams, L. H. W.** Anaesthesia during labour. Tr. M. Soc. London, 1933, **56**: 111–32.—**Woolmer, R.** Analgesia in midwifery. Midwives Chron., Lond., 1947, **60**: 222. ——— Correct use of pain-relieving apparatus in normal labour. Nurs. Mirror, Lond., 1948, **87**: 221; 233.

—— Methods: Disinfection.

Borrmann, K. *Die Verwendbarkeit des Festalkols als Desinfiziens für die Hebammenpraxis [Freiburg] 23p. 8° Erlangen, 1914.
Also Hyg. Rdsch., 1914, **24**: 317–25.

Kennel, W. *Heisswasser-Alkohol-Desinfektion oder Handschuhprophylaxe in der Geburtshilfe [Basel] 32p. 8° Sarnen, 1911.

Leopold, G. Vorschriften der Reinigung (Desinfektions-Ordnung) für die Aerzte, Hebammen und Hebammenschülerinnen der Königl. Frauenklinik in Dresden. 6. Aufl. 11p. 8° Dresd., 1909.

Maseras y Ribera, M. De la asepsia y antisepsia obstétricas. 45p. 8° Barcelona, 1906.

Ahlfeld, F. Die Händedesinfektion in den verschiedenen Ausgaben des Preussischen Hebammen-Lehrbuches. Zschr. Medbeamte, 1913, **26**: 346–53.—**Antisepsis** in midwifery. Bull. Vancouver M. Ass., 1940–41, **17**: 40.—**Arnold, C.** Die Beschaffenheit der für Hebammen bestimmten Kresolseifen unter dem Einfluss der Ministerialverordnung vom 19. Oktober 1907 und des Deut. Arzneib., Ausg. 5. Desinfektion, 1912, **5**: 37–42.—**Boissard, A.** Du sublimé en obstétrique; nécessité d'en supprimer l'usage dans la pratique obstétricale des sages-femmes. Rev. gén. clin. thér., 1912, **26**: 579.—**Bossi, L. M.** La teoria della sola asepsi nell'assistenza al parto e le sue conseguenze. Policlinico, 1910, **17**: sez. prat., 525–9.—**Browne, J.** Unnecessary antiseptic treatment in midwifery. Med. Rec., N. Y., 1902, **61**: 529–31.—**Colebrook, L.** Antisepsis in midwifery. Med. Off., Lond., 1934, **52**: 101. Also Canad. J. M. & S., 1936, **79**: 171–8. ——— & **Maxted, W. R.** Antisepsis in midwifery. J. Obst. Gyn., Brit. Empire, 1933, **40**: 966–90.—**Fabre & Trillat.** Porte-compresses savonneuses aseptiques. Bull. Soc. obst. Paris, 1909, **12**: 230–2.—**Ferri, A.** Un metodo semplice ed economico per ottenere la asepsi dcl dito esploratore nell'assistenza al parto. Arte ostet., 1909, **13**: 126–9.—**Garrod, L. P.** The efficiency of antiseptics used in midwifery. Brit. M. J., 1931, **1**: 572–5.—**Gove, R. A.** Aseptic midwifery. Northwest M., 1908, **6**: 90–6.—**Hofmeier, M.** Zur Frage der Desinfektion Kreissender. Zbl. Gyn., 1909, **33**: 1493–500.—**Kadlec, K.** Cistota při porodu a šestinedělí v domácnosti. Prakt. lék., Praha, 1949, **29**: 33–5.—**Kehoe, E. J.** Antiseptic midwifery. Lancet Clin., 1909, **101**: 201–5.—**Koblanck.** Dürfen wir den Hebammen das Lysoform an Stelle der jetzt vorgeschriebenen Desinfektionsmittel empfehlen? Ann. ges. Hebamwes., 1911, **2**: 230–3.—**Lumpe.** Zur Händedesinfektion für Hebammen. Ibid., 1913, **4**: 87–91.—**Marconi, A.** Asepsi ostetrica. Lucina, Bologna, 1908, **13**: 113; 129.—**Markoe, J. W.** Asepsis in obstetrics in the tenements. Bull. Lying-in Hosp. N. York, 1917, **11**: 167–81.—**Piana, G.** L'asepsi e l'antisepsi nell'assistenza al parto. Arte ostet., 1916, **30**: 317; 334.—**Pozzi, A.** Contributo alla tecnica della disinfezione nell'assistenza al parto ed al puerperio. Atti Soc. ital. ostet., 1911, **16**: 436–41. ——— & **Levi, G.** Di un metodo rapido di disinfezione cutanea nell'assistenza al parto normale ed operativo. Ginecologia, Fir., 1910, **7**: 709–18.—**[Prohibition** of the use of bichloride of mercury by midwives; Hungary] Népegészségügy, 1938, **19**: 437.—**Sanderson-Wells, T. H.** Aseptic midwifery. Med. Mag., Lond., 1908, **17**: 706–15.—**Sharpe, W.** A handy aid to cleanly midwifery. Lancet, Lond., 1904, **2**: 306.—**Sommerville, D.** The midwife and disinfection. Pub. Health, Lond., 1905–06, **18**: 99–102.

—— Methods: Examination of parturient.

Aust, H. *Die rektale Untersuchung Gebärender. 26p. 8° Bresl., 1921.

Behre, I. *Ueber den Einfluss der vaginalen geburtshilflichen Untersuchung auf die Morbidität und Mortalität im Wochenbett. 19p. 8° Berl., 1931.

Schallöhr, E. *Ueber die rectale Untersuchungsmethode in der Geburtshilfe [Berlin] 29p. 8° Charlottenb., 1934.

Sciclounoff, T. N. *Enquête sur la valeur du toucher rectal au cours de l'accouchement [Genève] 31p. 8° Paris, 1934.
Also Rev. fr. gyn. obst., 1934, **30**: 1–26.

Treu, J. *Die Rektaluntersuchung unter der Geburt [Göttingen] 27p. 8° Rietberg, 1925.

Abernetty, C. Indikationen zur inneren Untersuchung der Hebammen. Mschr. Geburtsh. Gyn., 1922, **60**: 243–58.—**Ballhorn, W.** Die rektale Untersuchung durch die Hebammen. Allg. deut. Hebam. Ztg, 1924, **39**: 43–5.—**Baumm, H.** Wann soll die Hebamme innerlich untersuchen? Mschr. Geburtsh. Gyn., 1923–24, **65**: 93–102.—**Beaulah, L. E.** Post-graduate midwifery; the examination of the patient. Nurs. Times, Lond., 1941, **37**: 302–4.—**Conrad, G.** Zur Frage der inneren Untersuchung durch die Hebamme. Münch. med. Wschr., 1925, **72**: 944.—**Erizans, H. d'.** El tacto rectal en obstetricia. Bol. hosp., Caracas, 1937, **36**: 69.—**Feldmann, L.** Zur Frage der inneren Untersuchung durch die Hebamme. Münch. med. Wschr., 1925, **72**: 475–7.—**Grünbaum, D.** Die Einschränkung der inneren Untersuchung durch die Hebamme und ihr Einfluss auf die Morbidität des Wochenbettes. Zbl. Gyn., 1912, **36**: 1138–43.—**Lipmanovich, S. G.** Nekotorye dannye po voprosu o vnutrennem issledovanii rozhenic. Akush. gin., 1949, 21–7.—**Martin, E.** Die innere Untersuchung durch die Hebammen. Mschr. Geburtsh. Gyn., 1923, **61**: 259–63. Also Sächs. Hebam. Ztg, 1923, **20**: 29.—**Meyer, L.** Undersøgelse af fødende, med særligt hensyn til den udvendige undersøgelse. Tskr. jordmød., 1897–98, **8**: 25; 37.—**Nemes, A., & Bratu, V.** [Importance of rectal examination in obstetrics] Cluj. med., 1934, **15**: 461–7.—**Raics, J.** [Internal examination of mothers by the midwife] Népegészségügy, 1940, **21**: 660–70. ——— [Vaginal examination by midwives] Orvostud. közl., 1941, 2: 191.—**Robert, W.** Zur Frage der Indikationen zur inneren Untersuchung der Hebammen. Zbl. Gyn., 1923, **47**: 550–4.—**Semon, M.** Ueber Entbehrlichkeit und weitere Einschränkung der inneren Untersuchungen in der Hebammenpraxis. Zschr. deut. Hebamwes., 1912, **3**: 336–50.—**Süssmann, F.** Megtiltasséke a belsô vizsgálat a bábáknak? Orv. hetil., 1913, 57: 420.—**Szathmáry, Z.** [Prohibition of vaginal examinations made by midwives] Orvostud. közl., 1940, **1**: 341–8.—**Szporny, G.** A szülészнői hüvelyi vizsgálatokról. Ibid., 1941, 2: 127.—**Teverovsky, M. I.** [Method of palpatation of the fetal head during the last term of pregnancy and during labor] Feldsher, Moskva, 1944, 26–9.—**Vaginal** examinations by midwives [Edit.] Lancet, Lond., 1909, **1**: 409.

—— Methods: Infant care.

See also **Newborn, Care.**

Halliday, H. M. The midwife and child health. Brit. M. J., 1942, **1**: 805.—**O'Loughlin, A. A., & Sawyer, M. C.** Method of warming the delivery room crib in use at Fabiola Hospital, Oakland. Pacific Coast J. Nurs., 1927, **23**: 202.—**Poppi, G.** La missione della levatrice e la sua opera riguardo alla profilassi della infanzia. Arte ostet., 1910, **24**: 49–57.—**Pye, E. M.** The midwife and child health. Brit. M. J., 1942, **1**: 596.—**Reed, G. L.** Welfare service from birth to adolescence. Nurs. Mirror, Lond., 1945, **81**: 249.—**Russell, V.** The midwife and child health. Brit. M. J., 1942, **1**: 651.—**Schultz-Schultzenstein.** Ein Beitrag zur Indikationsstellung zur inneren Untersuchung bei Leitung von Geburten durch Hebammen. Zschr. Medbeamte, 1912, **25**: 314–7.—**Should** the midwife's care of the infant be extended to the end of lactation? Nurs. Times, Lond., 1943, **39**: 852.—**Sigl, A.** Ist die Mitarbeit der Hebammen bei der Säuglingspflege unentbehrlich? Vorschläge für die Vorbildung der Hebammen in der Säuglingsfürsorge. Allg. deut. Hebam. Ztg, 1924, **39**: 3–6.

—— Methods: Maternal care.

See also **Maternity, Nursing.**

Barrett. The rôle of the midwife and the protection of motherhood. J. State M., Lond., 1917, **25**: 97–102.—**Beaulah, L. E.** Post-graduate midwifery; ante-natal care, examining the physical health; the mind in the ante-natal period; some conditions arising in the ante-natal period. Nurs. Times, Lond., 1941, **37**: 260; 322; 382.—**Benenson, S. D.** Rol' akusherki v okhrane truda beremennykh i kormiashchikh grud'iu zhenshchin. Feldsher & akush., 1949, No. 6, 16–21.—**Bookmiller, M. M., & Bowen, G. L.** Maternity care in hospitals. In: Textb. Obst. (Bookmiller, M. M.) Phila., 1949, 49–62.—**Chamorro, T. A.** La partera en la maternidad. Sem. méd., B. Air., 1939, **46**: 1181–8.—**Greenhill, J. P.** Antepartum care. Current Ther., Phila., 1949, 565–7.—**Kondō, K.** Bosi eisei taisaku to zyosanpu no sekimu [responsibility of the midwife for the measures to assure proper hygiene for mother and child] Health & Midwif., Tokyo, 1949, **3**: No. 5, 3–8.—**Konrad, C. M.** Nursing the maternity patient. Mod. Hosp., 1940, **54**: No. 3, 55; No. 4, 59.—**Kritzler-Kosch.** Kann die Hebamme etwas gegen die klinische Abwanderung der Gebärenden tun? Allg. deut. Hebam. Ztg, 1928, **43**: 413–8.—**Mettel, H. B.** Report of maternity nursing demonstration services in the state of Indiana. J. Indiana M. Ass., 1941, **34**: 572.—**Moon, C. F.** Pre-delivery care. Clin. Med., 1948, **55**: 133.—**Schröder, R.** Wie kann die Hebamme die Schwangerschaft erkennen? In his Hebammenlehrb., Lpz., 1947, 128–30. ——— Schwangerschaftsberatung durch die Hebamme. Ibid., 132–5.—**Sievertsen Buvig, S.** De vroedvrouw en de praenatale zorg. Tschr. sociale geneesk., 1947, **25**: 266.—**Vaughan, K.** Training for childbirth. Health Educ. J., Lond., 1943, **1**: 139–41.—**Vermelin, H.** Organisation de la protection maternelle et infantile en collaboration avec les sages-femmes. Puériculture, 1949, **23**: 162–9.—**Zanetti, Z.** La levatrice consigliera delle madri; prelezione al Corso di puericultura ed igiene infantile. Arte ostet., 1910, **24**: 3–10.

—— Methods: Parturient care.

See also **Parturition, Management.**

Brady, M. Y. Having a baby easily. 230p. 22½cm. Lond., 1944.

Dye, J. H. Painless childbirth; a book for women; containing practical rules how the pains and perils, the difficulties and dangers of childbirth may be effectually avoided. 200p. 8° Silver Creek, 1880.

Wolff, A. Leichte Geburten durch richtige Vorbereitung. 131p. 20½cm. Stuttg., 1939.

Zech, W. *Ueber die Dauer der Geburt in der häuslichen Hebammenpraxis, über die Tätigkeit der Hebamme und die Hilfeleistung des Arztes bei Wehenschwäche und Dammriss. 37p. 20½cm. Königsb., 1936.

Armstrong, G. Delivery room technique. Canad. Nurse, 1947, **43**: 349–52.—**Aschner, B.** Ueber Geburtsleitung. Wien. med. Wschr., 1927, **77**: 414; 450.—**Baker, G. L.** Management of normal labour. Nurs. Mirror, Lond., 1948, **87**: 59; 93. ——— Practical management of normal labour. Ibid., **88**: 25; passim.—**Baldwin, P.** The conduction of normal labor. J. Missouri M. Ass., 1930, **27**: 217–20.—**Barrett, W. M. A** normal labor. California J. M., 1908, **6**: 347–9.—**Beard, S. L.** Preparation for a normal labor. Kentucky M. J., 1908, **6**: 633.—**Beaulah, L. E.** Post-graduate midwifery; some new procedures during labour. Nurs. Times, Lond., 1941, **37**: 404.—**Beck, A. C.** The management of normal labor. J. Am. M. Ass., 1932, **99**: 1742–4.—**Bell, W. H.** The proper management of cases of labor. Tr. M. Ass. Alabama, 1903, 185–92.—**Berkeley, C.** The management of normal labour. Practitioner, Lond., 1935, **134**: 705–20.—**Bland, P. B.** The management of labor. West Virginia M. J., 1926, **22**: 623–36.—**Boice, M., & Newby, F. G.** Care for the obstetric patient; it takes gentleness. Am. J. Nurs., 1942, **42**: 640–2.—**Bourland, J. W.** Conduct of normal labor. Texas J. M., 1927–28, **23**: 397–400.—**Brindeau.** Quelques mots sur la conduite à tenir dans l'accouchement normal. Rev. gén. clin. thér., 1933, **47**: 278–80.—**Burns, T. M.** The management of labor for nurses. Denver M. Times, 1908–09, **28**: 540–5.—**Burpee, B. P.** The conduct of normal labor. N. England J. M., 1932, **207**: 607–13.—**Cheadle, C. M.** The conduct of normal labor. Illinois M. J., 1909, **16**: 483–90.—**Corbin, H.** Nursing visits to obstetric patients. Pub. Health Nurs., 1939, **31**: 197–200. ——— Childbirth without fear; management of the natural physiological function of childbirth without pain. Am. J. Nurs., 1947, **47**: 392. ——— Natural childbirth. Ibid., 1949, **49**: 660–2.—**De Garis, M. C.** The application of the new definition of normal labour to the clinical study of obstetrics; a new outlook on midwifery. Med. J. Australia, 1926, **2**: 6–10.—**Deliveries** by midwives. J. Am. M. Ass., 1936, **107**: 1064.—**Drummond, J.** Essentials in the management of a normal case of labour. Northumberland & Durham M. J., 1901, **9**: 84–91.—**Evans, D. J.** The management of normal labour. Montreal M. J., 1909, **38**: 802–13. Also Vermont M. Month., 1910, **16**: 105–11.—**Fowler, W. A.** The relation of the physiology and mechanics to the management of labor. Am. J. Obst., 1926, **11**: 212–8.—**Fries, M. E.** Psychogenetic implications in the care of obstetrical patients. Trained Nurse, 1941, **107**: 19–22.—**Frommolt, G.** Die Geburtsleitung in der Austreibungsperiode. Deut. med. Wschr., 1927, **53**: 923–5.—**Gardini, P. L.** L'assistenza della levatrice al parto nelle donne ammalate. Lucina, Bologna, 1907, **12**: 49; 67.—**Garrett, N. M.** The management of normal labor. Kentucky M. J., 1904–05, **2**: 227–31.—**Geburtsperioden** (Die) Schweiz. Hebamme, 1948, **46**: 31.—**Goodrich, F. W.** Experience with natural childbirth. Pub. Health Nurs., 1949, **41**: 122–5.—**Gosselin.** Conduite de l'accoucheur pendant l'accouchement dit normal. Paris méd., 1946, **36**: No. 51, p. iv.—**Grinevich, L. A., & Korchinskaia, A. A.** [L'emploi d'une méthode sèche pour faire la toilette des parturientes et des accouchées] Akush. gin., 1941, 44.—**Guchteneere, R. de.** La surveillance de l'accouchement et du post-partum. Rev. fr. gyn. obst., 1929, **24**: 742–56.—**Heardman, H.** The way to natural childbirth. J. Chart. Soc. Physiother., Lond., 1946–47, **32**: 133–6. ——— Natural childbirth. Internat. J. Sex., Bombay, 1949–50, **3**: 25–7.—**Hefferman, L. M.** Physiology of parturition. Med. World, Lond., 1946–47, **65**: 459–62.—**Heidler, H.** Moderne Geburtsleitung. Wien. med. Wschr., 1929, **79**: 1413–8.—**Henkel, M.** Ueber die Leitung der Geburt. Arch. Gyn., Berl., 1928, **134**: 18–43.—**Hester, J. H.** The management of normal labor cases. Kentucky M. J., 1910, **8**: 1575–7.—**Hibbert, G. F.** The management of the second and third stages of labor. Illinois M. J., 1928, **54**: 209–14.—**Hoeven, P. C. T. v. d.** [Management of labor] Ned. mschr. geneesk., 1929, **16**: 322–60.—**House, D. E.** The patient in labor; the nurse's part in her care. Am. J. Nurs., 1939, **39**: 1328–33. Also Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 462–8.—**Houston, E. B.** Model management of a case of obstetrics. Kentucky M. J., 1908–09, **7**: 531–4.—**Howat, R. K.** On current British teaching about normal labour and its management. Lancet, Lond., 1938, **2**: 463–6.—**Jeffcoate, T. N. A.** The risks to the child during labour; other contributing causes. Nurs. Mirror, Lond., 1946–47, **84**: 419.—**Jelstrup, G.** The conduct of normal labor. Colorado M., 1935, **32**: 279–83.—**Ketcham, J. M.** The management of normal labor. J. Indiana M. Ass., 1908, **1**: 345–8.—**Kinosita.** [Assistance in normal parturition] Nippon igaku, 1905, No. 5, 8–15.—**Kirkland, J.** The lying-down bath in pregnancy and labour. Brit. M. J., 1935, **1**: 1240.—**Konrad, C. M.** Standards of nursing service in the delivery suite. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 842–7. Also Trained Nurse, 1941, **106**: 30–3.—**Kouwer, B. J.** Kraamverpleging. Tschr. prakt. verlosk., 1906–07, **10**: 7–11.—**Kwaśniewski, J.** O potrzebie wczesnego wydobycia łożyska, tak w biegu porodu prawidłowego, jako też i w zboczeniach, tudzież o postępowaniu w téj mierze lekarskiém. Rocz. wydz. lek., Kraków, 1840, **3**: pt 2, 187–236.—**Landa, E.** La asistencia del parto fisiológico solo por exploración externa. Gac. méd. México, 1927, **58**: 484–95.—**Lantuéjoul, P.** La conduite à tenir dans l'accouchement normal. Paris méd., 1948, **38**: 108–11. Also Sem. hôp., Par., 1949, **25**: 896–8.—**Lüttge, W.** Dürfen unter der Geburt Vollbäder verabreicht werden? Zbl. Gyn., 1940, **64**: 325. ——— Vollbäder unter der Geburt. Ibid., 1941, **65**: 844–55. Also Arch. Gyn., Berl., 1942, **173**: 366–9 (Abstr.)—**McKelway, A. J.** Physical evils of child labor. Tr. M. Soc. N. Carolina, 1905, **52**: 528–31.—**MacKenzie, P.** Conduct of ordinary labor. J. Indiana M. Ass., 1926, **19**: 439–43.—**Magniaux.** La délivrance naturelle. Normandie méd., 1905, **20**: 357–63.—**Mamontov, N. I.** [Use of the hygienic douche during the postpartum period] Sovet. med., 1940, **4**: 37.—**Marshall, C. R.** Painless childbirth; a suggestion. Brit. M. J., 1949, **1**: 497.—**Murphy, F. P.** The conduct of normal labor. Nebraska M. J., 1935, **20**: 92–5.—**Palm, H.** Wodurch kann die Mutter zu einem glücklichen Geburtsverlauf beitragen? Allg. deut. Hebam. Ztg, 1907, **22**: 215–8.—**Podolsky, E.** The physiology of childbirth. Med. World, 1934, **52**: 302–4.—**Pride, W. T.** Conduct of a normal labor case. Mississippi Doctor, 1934–35, **12**: No. 6, 7–9.—**Purslow, C. E.** The management of a case of labour: being the Ingleby lectures for 1906. Birmingham M. Rev., 1906, **59**: 305–23; **60**: 1–19. Also Brit. M. J., 1906, **1**: 1512–7 (Abstr.)—**Ramsey, W. R.** The effect of intranatal care upon the infant. Tr. Am. Child Health Ass.

1929, 6: 99.—**Randell, M.** The natural way to normal motherhood. Nurs. Times, Lond., 1943, 39: 106; passim.—**Read, G. D.** Some aspects of physiological midwifery. N. Zealand Nurs. J., 1945, 38: 137–9. ——— The relationship between relaxation and easy childbirth. Nurs. Mirror, Lond., 1946, 83: 295; 313; 331. ——— Correlation of physical and emotional phenomena of natural labour. Ibid., 423; 443. Also J. Obst. Gyn. Brit. Empire, 1946, 53: 55–61. ——— The conduct of physiological labour. Proc. Cardiff M. Soc. (1945–46) 1947, 36–43. Also Am. J. Obst., 1947, 54: 702–10. ——— The discomforts of childbirth. Brit. M. J., 1949, 1: 651–4. Also Nurs. Mirror, Lond., 1949, 89: 203.—**Reed, G. L.** A consideration of childbirth as physiological function. Ibid., 1945, 82: 69.—**Rezza, T.** Sulla rottura delle membrane. Lucina, Bologna, 1904, 9: 17–24.—**Rivers, A. L.** Practical suggestions for the care of obstetrical patients. J. S. Carolina M. Ass., 1946, 42: 298–301.—**Rodman, H. D.** My mode of managing a normal case of labor. Kentucky M. J., 1907–08, 5: 20–2.—**Rudaux, P.** Conduite à tenir pendant la délivrance normale. Clinique, Par., 1907, 2: 793.—**Sawyer, B.** Experiences with the labor procedure of Grantly Dick Read. Am. J. Obst., 1946, 51: 852–8.—**Schröder, R.** Die Aufgaben der Hebamme während der Geburt. In his Hebammenlehrb., Lpz., 1947, 206–40.—**Sellheim, H.** Schonende Entbindung. Arch. Gyn., Berl., 1930, 144: 1–33.—**Shaw, E. B.** The most unphysiological period of life. California M., 1947, 66: 1–3.—**Skeel, A. J.** Obstetrical technique. Tr. Am. Hosp. Ass., 1936, 38: 561.—**Slemons, J. M.** The conduct of a normal labor at the Johns Hopkins Hospital. Surg. Gyn. Obst., 1906, 2: 197–201.—**Smit, H. P. A.** [Promotion of normal parturition] Ned. tschr. geneesk., 1936, 80: 5303–10.—**Smith, N. C.** Management of the parturient. Texas J. M., 1948–49, 44: 524–7.—**Snoeck, J., Rocmans, M., & Gosselin, O.** Quelle doit être la conduite de l'accoucheur pendant l'accouchement dit normal. Gyn. obst., Par., 1946, 45: 257–98, 4 pl.—**Somers, A. B.** Three protective points in the management of labor. Proc. Nebraska M. Soc., 1901, 33: 322–33.—**Speidel, E.** The conduct of labor. Kentucky M. J., 1907–08, 5: No. 8, 6–9.—**Thoms, H.** Natural childbirth. Connecticut M. J., 1949, 13: 47. ——— Natural childbirth in a teaching clinic. N. Zealand Nurs. J., 1949, 42: 198–201.—**Tollefson, D. G.** Trends in the care of obstetrical patients. Bull. Am. Coll. Surgeons, 1946, 31: 284.—**Torpin, R.** Physiology of labor. Am. J. Obst., 1947, 53: 78–81.—**Tucker, B. E.** Intrapartum nursing care. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 455–61.—**Vruwink, J.** The conduct of normal labor. California West. M., 1931, 34: 20–3.—**Werboff, J.** Eine neue Leitung der Geburt mit Hilfe des medizinischen Pflegerpersonals (Hebammen) Zbl. Gyn., 1928, 52: 1156–60.—**Westermann, M. C.** [Management of normal labor] Geneesk. gids, 1935, 13: 746; 769.—**Whapham, E. M.** Physiology of labour. Nurs. Mirror, Lond., 1945–46, 82: 411.—**White, G. M.** Technique in labour. Canad. M. Ass. J., 1943, 48: 312–7.—**Williams, P. F.** Intrapartum care in relation to maternal welfare. J. M. Soc. N. Jersey, 1937, 34: 330–4.—**Wright, S. W.** Early rupture of the membranes; care and nursing management. Nurs. Mirror, Lond., 1945, 82: 139.—**Zadik, E.** Easy childbirth. Lancet, Lond., 1942, 2: 740.—**Zimmermann, R.** Die äussere Geburtsleitung; eine Forderung für die praktische Geburtshilfe. Korbl. Allg. ärztl. Verein. Thüringen, 1929, 58: 241–53.

—— Methods: Parturient care: Third stage of labor.

Ahlfeld, F. Die Ergänzungsblätter zum preussischen Hebammenlehrbuch und die Lcitung der Nachgeburtsperiode. Zschr. Medbeamte, 1906, 19: 282.—**Arnell, R. E., Guerriero, W. F., & Phillips, R. F.** The management of the third stage of labor. N. Orleans M. & S. J., 1940–41, 93: 308–15.—**Baer, J. L.** Treatment of third stage of labor. Am. J. Surg., 1937, 35: 246–51.—**Baumm, P.** Zur Behandlung der Nachgeburtsperiode. Med. Klin. Berl., 1908, 4: 1559–63.—**Benson, R. C.** The management of the third stage of labor. J. M. Ass. Alabama, 1942–43, 12: 203–7.—**Blacker, G. F.** On the management of the third stage of labour. Lancet, Lond., 1906, 1: 1028–31.—**Brandt, M. L.** The mechanism and management of the third stage of labor. Am. J. Obst., 1933, 25: 662–7.—**Brodhead, G. L.** Management of the third stage of labor, and the puerperium. J. Surg. Gyn. Obst., 1909, 31: 240. Also Postgraduate, N. Y., 1909, 24: 372–85.—**Brooks, W. H.** The management of the third stage of labor. J. Bowman Gray School M., 1947, 5: 126–31.—**Calkins, L. A.** Management of the third stage of labor. J. Am. M. Ass., 1933, 101: 1128–31.—**Das, P.** On the management of the third stage of labour. Calcutta M. Rev., 1939, 1: 543–7.—**Doherty, E. W.** Management of the third stage of labor. Ohio M. J., 1909, 5: 7–10.—**Dreyfus, A.** La révision de la cavité utérine faite immédiatement après l'accouchement; ses indications, ses résultats. Strasbourg méd., 1933, 93: 105–16.—**Fahmy, E. C.** Some observations on the management of the third stage of labour. Edinburgh M. J., 1936, 43: No. 7, 89–103.—**Gardner, A. E.** Management of third stage. Kentucky M. J., 1908–09, 7: 22–4.—**Graham, B. R.** Management of the third stage of labor. Tr. M. Soc. N. Carolina, 1908, 55: 620–3.—**Guess, J. D.** The management of the third stage of labor. South. M. J., 1941, 34: 604–10.—**Hahl, C.** Säännönmukaisen synnytyksen kolmannen ajanvaiheen hoidosta. Kätilölehti, Helsin., 1906, 11: 81–5.—**Heynemann, T.** Die Leitung der Nachgeburtsperiode. Klin. Wschr., 1924, 3: 1450–3.—**Holmer, A. J. M.** Over de behandeling van het nageboortetijdperk. Ned. tschr. geneesk., 1947, 91: 2610.—**Holmes, R. H.** The normal third stage of labor, with special reference to its management. Philadelphia M. J., 1902, 10: 190–5.—**Jacobs, J. B.** The third stage of labor and the puerperium with particular reference to the care of the perineum and the prevention of hemorrhage. Med. Rec., N. Y., 1935, 141: 90.—**James, J. E.,** jr. The management of the third stage of labor. Hahneman. Month., 1906, 41: 915–26.—**Leff, M.** Management of the third and fourth stages of labor based on eleven thousand deliveries. Surg. Gyn. Obst., 1939, 68: 224–9.—**Lennon, G. G.** The third stage of labour and post-partum haemorrhage. Midwives Chron., Lond., 1949, 62: 76–8.—**Lumpe, R.** Wie sollen sich die Hebammen in der Nachgeburtszeit verhalten? Mschr. Geburtsh. Gyn., 1906, 24: 629–37.—**McPherson, R.** The management of the third stage of labor and the care of the puerperium. Med. Rev. of Rev., 1910, 16: 257–62.—**Malpas, P.** The management of the end stage of labour. Med. World, Lond., 1945, 62: 557–62.—**Maugeri, V.** Sul trattamento del funicolo ombelicale e sull'assistenza al secondamento nella pratica della levatrice. Riv. ostet. gin., 1927, 9: 44–9.—**Möller, H.** Om behandlingen af efterbördsskiftet. Jordemodern, Stockh., 1903, 16: 41–7.—**Montuoro, F.** Il periodo più difficile d'assistenza al parto normale; il secondamento. Riv. ostet. gin., 1939, 21: 69–71.—**Morgan, H. S.** The management of the third stage of labor. Nebraska M. J., 1936, 21: 14–7.—**Murray, G. E.** The management of the third stage of labor. Transvaal M. J., 1908–09, 4: 10.—**Natale, P.** Il metodo di Lichtenstein nell'assistenza al secondamento. Arte ostet., 1935, 49: 9–17.—**O'Connor, C. T.** The conduct of the 3rd stage of labor. Am. J. Obst., 1944, 48: 683–9.—**Purdy, J. R.** Management of the third stage of labour. Brit. M. J., 1908, 2: 1369.—**Rittenhouse, W.** The third stage of labor; how to manage it. Am. J. Clin. M., 1909, 16: 1000–3.—**Rodman, H. D.** Management of the third stage of labor and the proper care of the mother and baby for the next few succeeding days. Am. Pract. & News, 1903, 36: 201–5.—**Schuurmans, R.** Over de behandeling van het nageboortetijdperk. Ned. tschr. geneesk., 1947, 91: 2775; 1948, 92: 521.—**Upshaw, C. B.** Management of the third stage of labor. J. M. Ass. Georgia, 1934, 23: 55–60.—**Vaden, M. T.** Management of the third stage of labor. Virginia M. Month., 1927–28, 54: 440–2.—**Williamson, H.** The management of the third stage of labor. Illinois M. J., 1937, 72: 445–9.—**Winston, J. W.** Management of the third stage of labor. Med. Rec., N. Y., 1907, 72: 604–6.—**Woods, T. B.** Management of the third stage of labor. J. M. Ass. Alabama, 1941–42, 11: 226–9.

—— Methods: Puerperal care.

Cupery, D. P. *Essentials of postpartum care [S. Elizabeth Hosp.] 24p. MS. 28cm. Youngstown, 1940.

Drescher, G. G. *Post partum care [St Agnes Hosp.] 36 l. MS. 28cm. Fond du Lac, 1941.

Great Britain. National Baby Welfare Council. The midwife and post-natal care. 2p. 20½cm. Lond., 1945[?]

Forms No. 78, Leafl. Nat. Baby Welf. Counc. Gr. Britain.

Móseidés, M. M. Ὑγιεινὴ τῆς ἐγκύου, τῆς λεχωΐδος καὶ τῆς γαλουχούσης. 223p. 20½cm. Alexandria, 1927.

Olivier-Pallud, P. *Documents cliniques et expérimentaux sur la surveillance et l'hygiène des suites de couches. 74p. 8° Par., 1937.

Thiemeyer, W. *Ueber den gegenwärtigen Stand der Leitung der Nachgeburtszeit insbesondere Eihautretention. 34p. 8° Strasb., 1911.

Wochenpflege (Die) 36p. 16° Potsdam, 1906.

Adair, F. L. Postpartum care. Am. J. Surg., 1937, 35: 267–72.—**Albrecht, H.** Abrutschen der Wochenbettbinden. Münch. med. Wschr., 1941, 88: 816.—**Bársony, J.** A gyermekágy ápolása. Orv. hetil., 1910, 54: 785–9. Also Pest. med. chir. Presse, 1911, 47: 25; 33.—**Beierlein, K. M.** Postpartum and puerperal care. Am. J. Surg., 1934, 23: 346–51.—**Bosse, B.** Die Pflege der gesunden und kranken Wöchnerin. Zschr. Krankenpfl., 1910, 32: 264–75.—**Bourne, A. W., & Williams, L. H.** Post-natal care. In their Recent Advance. Obst. Gyn., 5. ed., Lond., 1942, 30–7.—**Brady, W.** Treatment of the mother after childbirth without an assistant. N. York M. J., 1912, 95: 388.—**Braun, E. P.** Exercises for the puerpera. Am. J. Nurs., 1934, 34: 231.—**Bröse, P.** Zur Pflege der Bauchdecken nach der Entbindung. Berl. klin. Wschr., 1906, 43: 1339–41.—**Bunkley, T. F.** Postpartum care of the parturient woman. Texas J. M., 1927–28, 23: 401–4.—**Burger, C. P.** Over de behandeling van het nageboortetijdperk. Ned. tschr. geneesk., 1947, 91: 2478.—**Burrus, J. T.** Management of the puerperal state before and after labor. Tr. Tristate M. Ass. Carolinas & Virginia, 1905, 7: 271–4.—**Collins, C. G., & Mengert, W. F.**

Postpartum care. Current Ther., Phila., 1949, 591–4.—**Davis, A. W.** Post-puerperal treatment. Kentucky M. J., 1936, **34**: 142–6.—**Davis, C. H.** Convalescent care for the obstetrical patient. Internat. J. M. & S., 1930, **43**: 80–5.—**Der Brucke, M. G.** The treatment of the immediate postpartum period. Am. J. Obst., 1940, **39**: 821–6.—**De Wire, M. V.** The aftercare of obstetrical cases in a country practice. Wisconsin M. J., 1908–09, **7**: 647–57.—**DeWitt, R. F.** Postpartum care. J. Am. M. Ass., 1943, **121**: 223.—**Dorman, F. A.** Care of the patient in the puerperium. Tr. N. York Obst. Soc., 1908, 15–9.—**Ehuletche, J. B.** Conducta de la partera en el puerperio. Rev. obst., B. Air., 1903, **1**: 157–64.—**Engelhard, J. L. B.** [Certain directions for treatment of puerpera] Ned. tschr. geneesk., 1939, **83**: 3770–6, pl.—**Epstein, A. A.** [On the postpartum period] J. akush., 1928, **39**: 899–901.—**Evseev, V. I.** [Management of normal postpuerperal period] Vrach. gaz., 1930, **34**: 1314.—**Forsyth, D. L.** The utilisation of massage and medical gymnastics during the puerperium. S. Afr. Nurs. Rec., 1931, **19**: 17.—**Fortier, J.** Des soins postpuerpéraux. Union méd. Canada, 1934, **63**: 1298–303. Also J. méd. Paris, 1935, **55**: 94–6.—**Fox, P. C.** Post partum care. Bull. West Suburb. Hosp., Oak Park, 1948, **2**: No. 2, 22–4.—**Fraiman, S. A.** [Management of normal puerperal period] Akush. gin., 1939, No. 5, 57–60.—**Frankenberg, H. v.** Die Wanderhilfe für Wöchnerinnen. Arch. Volkswohlf., 1909, **2**: 539–42.—**Fullerton, W. D.** Post-partum care. Ohio M. J., 1935, **31**: 509–11.—**Garriga Roca, M.** La asistencia al puerperio por la matrona. Acta méd. hisp., 1947, **5**: 272–7.—**Gellhorn, G.** The physical culture of the puerperium. Q. Bull. M. Dep. Washington Univ., S. Louis, 1908, **7**: 21–34, 4 pl.—**Genter, G. G.** [Management of the puerperal period] Sovet. vrach. J., 1936, **1**: 962–6.—**Gibson, A. D.** Management of the mother during childbed period. Wisconsin M. J., 1903, **2**: 443–9.—**Gill, L.** Standards of nursing service for postpartum care. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 848–53.—**Gleiser, M. D.** [Management of the post-partum period] Akush. gin., 1940, No. 10, 49–51.—**Goodwin, W.** Post partum exercises. N. York Physician, 1941, **16**: 32.—**Greenhill, J. P.** The essentials of postpartum care. N. England J. M., 1931, **205**: 274–80.—**Griffin, R. J.** Routine postpartum care. Bull. Dep. Health Kentucky, 1938–39, **11**: 53.—**Gudim-Levkovich, D. A.** [Management of the puerperal period] Feldsher, Moskva, 1942, No. 4, 17–9.—**Hannah, C. R.** The care of the puerpera. Texas J. M., 1910–11, **6**: 274; Disc., 279.—**Harvey, H. E.** Post-partum care. Nebraska M. J., 1936, **21**: 17–9.—**Hastings, G. L.** Mental hygiene of the post-partum period. Trained Nurse, 1935, **95**: 549–53.—**Hersch, T. F.** Modern postpartum care and treatment. J. Iowa M. Soc., 1936, **26**: 126–9.—**Heusler, K.** Der Hocksitz in der Nachgeburtsperiode. Zbl. Gyn., 1926, **50**: 1641–5.—**Hoff, L. L., & Neuwelt, L.** What is your course of procedure, when without an assistant, as regards the mother after the completion of labor? N. York M. J., 1912, **95**: 389; 440; 494.—**Holmer, A. J. M.** Over de behandeling van het nageboortetijdperk. Ned. tschr. geneesk., 1947, **91**: 2246–50.—**Irvin, J. S.** The management of normal labor with especial reference to after-treatment. Tr. Tristate M. Ass. Carolinas & Virginia, 1904, **6**: 133–9.—**Jones, M.** Physiology and conduct of the puerperium. College J., Kansas City, 1940, **24**: 7–10.—**Jorge, C. F.** Sete anos de serviço post-natal a domicílio. Rev. gin. obst., Rio, 1948, **42**: 202–9.—**Josephson, C. D.** [Simple treatment of puerperium] Hygiea, Stockh., 1919, **81**: 490.—**Kellgren, N.** Postnatal treatment with massage and exercises. Physiother. Rev., 1946, **26**: 233.—**Krämer, A.** Bemerkungen zur Frage des Hocksitzes in der Nachgeburtsperiode. Münch. med. Wschr., 1927, **74**: 157.—**Kushnirskaia, E. S.** [The post-partum period] Feldsher, Moskva, 1938, No. 11, 22–8.—**Leff, S.** Postnatal examinations; a new approach. Mother & Child, Lond., 1949–50, **20**: 46–8.—**Leinzinger, E.** Weshalb Warzentrockenpflege im Wochenbett? In: Wander Festschr., Bern, 1940, 451–7.—**Lichtenstein, F.** Der Hocksitz zur Vorbeugung von Kindbettfieber und Eklampsie (zugleich mit einer neuen Theorie über die Eklampsie) Fortsch. Ther., 1927, **3**: 680–5.—**Litwak, M. J.** Beitrag zur Behandlung der Nachgeburtsperiode. Mschr. Geburtsh. Gyn., 1933–34, **96**: 24–9.—**Litzenberg, J. C.** The effect of postpartum care on the mother. Tr. Am. Child Health Ass., 1929, **6**: 101–6. ——— Postnatal supervision. Nebraska M. J., 1933, **18**: 467–9.—**Luikart, R.** Postpartum care. J. Omaha Clin. Soc., 1946, **7**: 25–8. Also Texas J. M., 1948–49, **44**: 543–6.—**McCorkle, M. D.** What is good postpartum care? Pub. Health Nurs., 1940, **32**: 714–8. ——— Postpartum nursing care of the maternity patient. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 476–82.—**McIlrath, M. B.** Post-natal care. Clin. Bull. R. Prince Alfred Hosp., Sydney, 1944, **1**: 100–2.—**MacKenzie, R. A.** Postpartum care. J. M. Soc. N. Jersey, 1940, **37**: 23–5.—**McPherson, R.** The care of the breasts during the puerperium. Med. Times, N. Y., 1909, **37**: 239.—**Maliphant, R. G.** The puerperium. Midwives Chron., Lond., 1947, **60**: 198–200.—**Marx, S.** Treatment of the puerperium. Tr. N. York Obst. Soc., 1908, 19–33.—**Miller, D.** The importance of post-natal maternal care; comprising a review of the organization and work of the Post-Natal Clinic of the Edinburgh Royal Maternity Hospital. Brit. M. J., 1929, **1**: 717–20. ——— Post-natal maternal care. Med. Press & Circ., Dubl., 1934, **188**: 442–4.—**Moreno, M.** Sobre la atención domiciliaria del puerperio. Bol. Soc. chilena obst. gin., 1941–42, **7**: 209–15.—**Mowry, F. S.** Care of maternity patient in postpartum period. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 469–75.—**Myles, M.** Modern methods of midwifery; the puerperium. Nurs. Times, Lond., 1940, **36**: 804.—**Nelson, E. W.** Postpartum care. Mississippi Doctor, 1944–45, **22**: 171–4.—**Nikolaev, A. P.** [Methods of managing the postpuerperal period] Vrach. gaz., 1930, **34**: 1309–13.—**Opitz, E.** Erfahrungen mit moderner Wochenpflege. Med. Klin., Berl., 1909, **5**: 5; 48.—**P.** De verzorging van den buikwand na de baring. Tschr. prakt. verlosk., 1908–09, **12**: 435–8.—**Pardo, E. A.** Higiene de las maternidades durante el puerperio normal. Rev. obst., B. Air., 1903, **1**: 190–211.—**Parker, M.** Postnatal maternal care. J. Am. M. Ass., 1927, **89**: 2083–5.—**Parks, S. S.** Postpartum care. Kentucky M. J., 1939, **37**: 163–9.—**Peel, J. H.** The puerperium. Practitioner, Lond., 1947, **159**: 29–32, 2 pl.—**Pevzner, S. S.** [On hygicnic douche in early postpartum period] Sovet. med., 1940, No. 13, 34.—**Piccinini, G.** Il trattamento del puerperio. Policlinico, 1909, **16**: sez. prat., 1551.—**Pichevin, R.** Après les couches normales. Sem. gyn., Par., 1906, **11**: 297.—**Pickett, A. N.** Routine postpartum care. Kentucky M. J., 1931, **29**: 672–6.—**Pierce, J. M.** The importance of post-natal care. J. Med., Cincin., 1934, **15**: 302–6.—**Pinto, A.** Assistenza al pucrperio. Diagnosi, Nap., 1948, **4**: 267–9.—**Polak, J. O.** The details of postpartum care. Am. J. Obst., 1927, **13**: 432–46.—**Poliquin, P. A.** Décubitus ventral dans le post-partum. Union méd. Canada, 1937, **66**: 1233–9.—**Post-natal** care. Bull. Vancouver M. Ass., 1941–42, **18**: 12; 36.—**Poulain, A.** Les soins du post-partum. Bruxelles méd., 1927–28, **8**: 1164–6.—**Prieto, I.** Conducta del partero durante el puerperio. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2**: 356–8.—**Rezza, T.** Sull'assistenza al puerperio. Lucina, Bologna, 1908, **12**: 3; passim.—**Royston, G. D.** Postnatal care. J. Missouri M. Ass., 1932, **29**: 198–205.—**Schultze, G. K. F.** Massage und Gymnastik im Wochenbett. Arch. Gyn., Berl., 1938, **166**: 415–7. Also Zbl. Chir., 1938, **65**: 1952.—**Schuurmans, R.** Over de behandeling van het nageboortetijdperk. Ned. tschr. geneesk., 1947, **91**: 2478.—**Shoup, J.** Immediate and after management of the puerperant. Tr. Am. Ther. Soc., 1910, **11**: 84–90.—**Smythe, H. J. D.** The management of the normal puerperium. Bristol Med. Chir. J., 1929, **46**: 59–70.—**Spence, J. H.** Some of the complications of the puerperium. Midwives Chron., Lond., 1949, **62**: 19–22.—**Stevens, W. J.** Puerperal care and some complications. Canad. Nurse, 1945, **41**: 349–54.—**Studdiford, W. E.** Convalescent care for the obstetrical patient. In: Convalesc. Care (N. York Acad. M.) N. Y., 1940, 98–105.—**Tebbetts, J. H.** The care of the mammary glands, before, during, and after the puerperium. Med. Rec., N. Y., 1910, **77**: 1093.—**Thies.** Zur Behandlung der Nachgeburtszeit. Arch. Gyn., Berl., 1938, **166**: 401; Disc., 402–4.—**Traugott, M.** Die Behandlung der Nachgeburtsperiode. Deut. med. Wschr., 1926, **52**: 1127–32.—**Treatment** of the immediate post partum period. South. M. & S., 1940, **102**: 395.—**Van Auken, W. B. D.** An appraisal of the routine use of special post-partum exercise. Am. J. Obst., 1940, **39**: 1032–7.—**Velde, T. H. v. de.** Oneerlijke mededinging tegenover de kraamvrouwen-verpleegsters. Nosokómos, Amst., 1905–06, **6**: 727–31.—**Verbrugge.** Iets over particulier kraamvrouw verplegen. Tschr. prakt. verlosk., 1905–06, **9**: 145–7.—**Vignes, H.** Ce qu'il faut surveiller pendant les suites de couches. Infirm. fr., 1929, **7**: 398–406.—**Von Detten, H. J.** Postpartum care. Colorado M., 1935, **32**: 292–6.—**Walker, J.** Management of the postpartum breast. Med. J. & Rec., 1930, **131**: 418.—**Woolling, R. H.** Postpartum care of confinement cases. Virginia M. Month., 1930–31, **57**: 676–8.

—— operative.

See also **Obstetrics,** operative.

Chapman, E. [A treatise on the improvement of midwifery] Abhandlung zu Verbesserung der Hebammen-Kunst, vornehmlich in Ansehung der Operation. Neue Aufl. 148p. 16cm. Magdeb., 1769.

Tanganyika Territory. Medical Department. Medical pamphlet No. 11: Eby'abazaire; ayeshweka burya, tanagire. [1]l. 25cm. Dar es Salaam, 1937.

Broom, R. Version and forceps in midwifery practice. S. Afr. M. Rec., 1926, **24**: 290.—**Chimenti, A.** Gli insuccessi dell'ostetricia operativa a domicilio e la prognosi materna e fetale. Clin. ostet., 1935, **37**: 473–89.—**D'Aprile, F.** Tempestività degli interventi ostetrici. Lucina, Roma, 1946, 79–81.—**Dorsett, E. L.** Meddlesome midwifery. South. M. J., 1949, **42**: 439–43.—**Essen-Möller, E.** Surgical tendencies in modern midwifery. Acta chir. scand., 1930, **66**: 442–8.—**Holtermann, C.** Misslungene operative Geburtshilfe in der häuslichen Praxis und ihre klinische Behandlung. Arch. Gyn., Berl., 1934, **158**: 222–56. ——— Ueber das Scheitern operativer Entbindungsversuche in der Hausgeburtshilfe. Med. Welt, 1935, **9**: 928–31.—**Judet de la Combe.** Manoeuvres obstétricales de matrones annamites ayant entraîné la mort de la mère et du foetus. Bull. Soc. méd. chir. Indo-Chine, 1912, **3**: 70.—**Kratochvíl, B.** [Management and control of labor by external manipulations] Cas. lék. česk., 1930, **69**: 458.—**Spruill, J. L.** Meddlesome midwifery. Tr. M. Soc. N. Carolina, 1911, **58**: 214–7.—**Toskin, D.** [Rare case of removal of placenta by midwife] Vrach. gaz., 1928, **32**: 743–5.

—— Periodicals.

See also **Obstetrics,** Periodicals.

Akusherka, obshchedostupny medicinsky jurnal. Bransk & Odessa, v.**1–6,** 1890–95.

Avvenire (L') ostetrico. Nap., anno 6, 1940–

Deutsche (Die) Hebamme. Berl., v.**60,** No. 1/2, 1945–

Formerly Berliner Hebammen-Zeitung, v.**1,** No. 1-4, 1886; Deutsche Hebammen-Zeitung, v.**1,** No. 5–6, 1886; Allgemeine deutsche Hebammen-Zeitung, v.**1,** No. 7— v.**48,** 1886–1933; Zeitschrift, Reichsfachschaft deutscher Hebammen, v.**49–54,** No. 6, 1934–39.

Hoken to zyosan. Tokyo, v.**3,** 1949–

Jordemodern. Stockh., v.**1,** 1888–

Lucina; rivista mensile delle ostetriche italiane; organo del Sindacato nazionale fascista delle ostetriche. Roma, v.**9,** 1942–

Midwives' chronicle and nursing notes; official organ of the College of Midwives, London. Lond., v.**58,** 1945–

Schweizer (Die) Hebamme. Bern, v.**42,** No. 1, 1944–

Sestra i akusherka. Sofia, No. 1, 1949–

Survey of current maternity and child welfare services. Lond., April/June, 1949–

Schlossmann, A. Hebammen, Hebammen-Zeitung und natürliche Säuglingsernährung. Zschr. Säuglingsfürs., 1906–07, **1:** 256–66.

—— Pharmacology.

See also **Midwife,** Prescription-writing.

Beaulah, L. E. Post-graduate midwifery; some drugs and their uses. Nurs. Times, Lond., 1941, **37:** 432.—**Claye, A. M.** The use and abuse of drugs in midwifery. Practitioner, Lond., 1937, **138:** 484–92.—**Consoli, D.** Ancora sull'abuso degli estratti ipofisari in travaglio di parto. Lucina, Roma, 1946, 41.—**Devèze, de Rouville & Delmas.** Discussion sur l'emploi de la pituitrine et du sublimé par les sages-femmes. Bull. Soc. obst. gyn. Paris, 1922, **11:** 131–5.—**Emploi** de la pituitrine et du sublimé par les sages-femmes. Ibid., 46.—**Laffont.** Au sujet de l'emploi de la pituitrine par les sages-femmes. Ibid., 162.—**Mansell, M.** Sedatives, analgesics and stimulants used in labour. Nurs. Mirror, Lond., 1946–47, **84:** 379.—**Read, B. E.** Some of the old Chinese drugs used in obstetrical practice. J. Obst. Gyn. Brit. Empire, 1927, n. ser., **34:** 498–508.—**Rivett, L. C.** Drugs and midwifery. Middlesex Hosp. J., 1941, 41: 20–2.—**Rouvier.** Au sujet de l'emploi du sublimé et de l'hypophyse par les sages-femmes. Bull. Soc. obst. gyn. Paris, 1922, **11:** 161.—**Stovin, G. H. T.** Drugs in common use in midwifery. Nurs. Mirror, Lond., 1947–48, **86:** 191.

—— popular.

See also **Maternity,** Manual.

Davis, C. H., & Ferguson, D. Childbirth. 183p. 19½cm. N. Y., 1949.

Gossett, W. B. What the public should know about childbirth. 301p. 8° Minneap., 1931.

Guttmacher, A. F. The story of human birth. 214p. 18cm. N. Y., 1947.

Heardman, H. A way to natural childbirth. 124p. 8° Edinb., 1948.

Randell, M. Fearless childbirth; what every mother-to-be should know. 99p. 18cm. Lond., 1948.

—— Training for childbirth. 4. ed. 142p. 22cm. Lond., 1949.

Rongy, A. J. Safely through childbirth. 2. print., rev. 192p. 19½cm. N. Y., 1948.

Rosenberg, B. D. Como nasce uma criança. 103p. 24cm. S. Paulo [after 1944]

Summerskill, E. Babies without tears. 158p. 19cm. Lond., 1941.

Vaughan, K. O. Safe childbirth; the three essentials—1. round brim, 2. flexible joints, 3. natural posture. 154p. 23cm. Lond., 1937.

Birth (The) of a baby—in public. J. Indiana M. Ass., 1937, **30:** 577.—**Crespo, L. de V. F.** La obstetricia en el saber popular español. Clínica, Valladolid, 1948, No. 17, 37–46.—**Thoms, H., & Goodrich, F. W., jr.** Training for childbirth. J. Am. M. Ass., 1949, **140:** 1256–8.

—— Practice.

See also subheadings of **Midwife** (Examination; Experience)

Bulman, M. W. B. Psychology of midwifery. Nurs. Times, Lond., 1942, **38:** 808.—**Forber, J. L. C.** The economic conditions of midwifery practice. Brit. M. J., 1935, **2:** 862.—**Holland, E.** In what ways could the practice of midwifery be improved? Midwives Chron., Lond., 1945, **58:** 150–4.—**Horrocks, P.** Certain questions arising in the practice of midwifery. Guy's Hosp. Gaz., Lond., 1905, **19:** 468–72.—**Jellett, H.** Some remarks on practical midwifery. N. Zealand M. J., 1927–28, **26:** 203–13.—**Kohl, R. N.** The psychiatric aspects of obstetric nursing. Am. J. Nurs., 1948, **48:** 422–5.—**Lendon, A. A.** Gleanings from midwifery practice. Med. J. Australia, 1925, **2:** 669–71.—**Mann, F.** Die Kunst des Behelfs in der Praxis der Hebamme. Allg. deut. Hebam. Ztg, 1924, **39:** 40–3.—**Petragnani, G.** Formation culturelle en pratique des sages-femmes en Italie. Bull. Off. internat. hyg. pub., Par., 1939, **31:** 682–7.—**Slight, J. D.** The element of time in midwifery practice. Practitioner, Lond., 1910, **85:** 238–50.—**Smythe, H. J. D.** Recent changes in obstetric practice. Nurs. Mirror, Lond., 1948, **87:** 173.

—— Social aspect.

See also **Midwife,** Relations to hospitals and group medicine; also **Maternity,** Social aspect.

Jungius, M. Wat doet Nederland voor zijne arbeidsterskraamvrouwen? een bijdrage tot de kennis van het leven der arbeidstermoeder. 35p. 8° Amst., 1906.

Mornet, J. G. J. *La protection de la maternité en France (étude d'hygiène sociale) 315p. 8° Par., 1909.

Velde, T. H. v. de. Verbeterde verzorging van minvermogende kraamvrouwen. 47p. 8° Haarlem, 1907.

Adair, F. L. The relation of obstetrics to the community. Tr. Am. Child Hyg. Ass. (1921) 1922, **12:** 53–64.—**Baird, D.** Social factors in obstetrics. Lancet, Lond., 1949, **1:** 1079–83.—**Fervers, C.** Die geburtshilfliche Neuordnung in der Sozialversicherung. Zbl. Gyn., 1929, **53:** 3278–80.—**Guimarães Filho, A.** Aspectos sociais da assistência obstétrica. Impr. med., Rio, 1942, **18:** No. 337, 78–84.—**Huguet, L.** La obstetricia considerada desde el punto de vista social. Rev. cubana obst., 1919, **1:** 84–7.—**Jaeger, H.** Neuerungen in der Wochenshilfe. Bl. Gesundhfürs., 1926, **4:** H. 4, 1–8.—**Kosmak, G. W.** Obstetrics as a community problem. South. M. J., 1935, **28:** 231–7.—**Lewisohn, L.** Die Neuordnung der Geburtshilfe und die Sozialversicherung. Zbl. Gyn., 1930, **54:** 180–2.—**Lilico, G.** Insurance scheme for medical assistance in midwives' cases. Med. Off., Lond., 1929, **41:** 290.—**Neumann, H.** Familienpflege für obdachlose Wöchnerinnen und ihre Kinder. Erg. Säuglingsfürs., 1910, pt 5, 69–76.—**Peralta Ramos, A.** Aspectos sociales de la asistência obstétrica. An. Congr. brasil. gin. (1940) 1942, 1. Congr., **2:** 429–43.—**Schmidt Goffi, P.** A assistência á parturiente pobre na Maternidade de São Paulo. Rev. med. cir. S. Paulo, 1948, **8:** 145–51.—**Sherwood, M.** Community responsibility for better obstetrics. J. Sociol. Med., 1915, **16:** 349–56.—**Souza, O. de.** Aspecto social da assistência obstétrica. An. Congr. brasil. gin. (1940) 1942, 1. Congr., **3:** 63–88.—**Verbeterde** verzorging van minvermogende kraamvrouwen. Nosokomos, Amst., 1906–07, **7:** 273; 289.—**Wischer, F.** Die Wochenhilfe; ihre Bedeutung, Geschichte und gesetzliche Regelung. Aerztl. Mitt., Lpz., 1926, **27:** 752–5.

—— Statistics.

See also **Obstetrics,** Statistics.

Rentsch, A. W. *Kritische Betrachtung der Resultate der staatlichen Hebammenschule, Entbindungsanstalt und Frauenklinik zu Bamberg in den Jahren 1934–36 [Erlangen] 39p. 20½cm. Nürnb., 1937.

Cameron, J. Midwifery cases. J. Surg. Gyn. Obst., N. Y., 1906, **28:** 522–7.—**Fonyó, J.** A budapesti magyar királyi bábaképző gyermekágyi statisztikája. Szülészet & nögyógy., 1905, 33–43.—**Hamilton, A. A.** Midwifery statistics. Australas. M. Gaz., 1908, **27:** 473–5. Also J. Surg. Gyn. Obst., N. Y., 1909, **31:** 228–32.—**Kaboth.** Richtlinien für die Aufstellung einer Bilanz der geburtshilflichen Leistung. Arch. Gyn., Berl., 1929, **137:** 814–8; Disc., 842–66.—**Live births** with and without medical attention; distribution of births by medical attention by states, counties, and cities, 1935. Vital Statist. Spec. Rep. U. S. Bur. Census, 1940, **9:** 983–1040.—**Mauks, K.** A budapesti bábaképző szülészeti osztályának 8 évi forgalma, 1898 szeptembertől 1906 augusztusig. Gynaekologia, Budap., 1906, 394–411.—**Pohlen, K.** Die neue geburtshilfliche Statistik für das Deutsche Reich (Ergebnisse der Hebammen-Tagebücher für das Jahr 1936) Arch. Gyn., Berl., 1938, **166:** 347–74; Disc., 392.—**Reismann, A.** A szom-

bathelyi magyar királyi bábaképzö gyermekágyi statisztikája. Gynaekologia, Budap., 1906, 377–93.—**Skrobansky, K. K.** [Work of Leningrad obstetricians during the last 25 years] In: Sborn. rabot Leningr. akush. gin. obshch., 1943, 117–22.—**Steele, E. J.** Report on the 3,000 confinements of the Frontier Nursing Service, Inc. Q. Bull. Frontier Nurs. Serv., Lex., 1938–39, **14**: No. 3, 23–32.—**Wells, A. S.** An analysis of 1,250 confinements of coloured women in Cape Town. S. Afr. M. Rec., 1925, **23**: 398–403.—**Woodforde, G. A. W.** A report of three months' work in the Extern Midwifery District. S. Barth. Hosp. Rep., Lond., 1908, **43**: 123–36.

—— veterinary.

For management of parturient animals see under names of animals; also **Obstetrics,** veterinary; **Parturition**—in animals.

—— in wartime.

Childbirth in gas-masks. Nurs. Illust., Lond., 1940, **4**: 352; 367.—**Hoover, J. M.** Wartime adjustment in obstetrics. Am. J. Nurs., 1943, **43**: 828.—**Klages.** Praktische Winke für die Leitung der Wochenbettpflege bei Soldatenfrauen. Deut. mil. ärztl. Zschr., 1913, **42**: 681–92.—**Newell, H., & Reid, M.** The maintenance of standards of maternity nursing service in the public health field during the present emergency. West. J. Surg., 1943, **51**: 62–8.—**Obstetrics** in wartime. R. N., Rutherford, 1941–42, **5**: No. 12, 14–7.—**Rabinovich, K. N.** [Pregnancy, childbirth and post-puerperal period during the blockade of Leningrad] In: Sborn. rabot Leningr. akush. gin. obshch., 1943, 6–11.—**Skrobansky, K. K.** [Obstetrical aid in the course of pregnancy and childbirth during the 11-month blockade from July, 1941, to May, 1942] Ibid., 1–5.—**Tollefson, D. G.** Obstetrics as affected by the problem of war; nursing care. Tr. Pacific Coast Soc. Obst. (1942) 1943, **12**: 55–69. Also West. J. Surg., 1943, **51**: 56–9.—**Women** in labour in air raid shelters. Brit. M. J., 1940, **2**: Suppl., 5.—**Zabriskie, L.** Having a baby in wartime. Trained Nurse, 1943, **111**: 32–4.

MIDWIVES' chronicle and nursing notes; official organ of the College of Midwives, London. Lond., v.**58**, No. 689, 1945–

Former title, 1887–1939, **Nursing notes.**

MIDWIVES S[ub] C[ommittee] notes.

See **Great Britain. Ministry of Health. Midwives Salaries Committee.** Midwives S[ub] C[ommittee] notes. Lond., No. 5, 1948–

MIDY, Pierre M., 1913– *Essai comparatif sur la réglementation de l'exercice de la pharmacie en France et à l'étranger; loi du 11 septembre 1941 comprise [Bordeaux] xvi, 414p. 24cm. Par., Anc. impr. Cour d'appel,1942.

MIDY, Robert M. Le conjonctif histiocytaire (système réticulo-endothélial) 2. éd. 357p. illust. pl. 8° Par., Masson & cie, 1936.

MIDY family.

For biography see México farm., 1947, **13**: No. 155, 9, portrs.

MIDZONE.

See under **Cerebrospinal fluid,** Colloidal reactions: Goldsol.

MIECHOWITA, Maciéj [Mathias] 1456–1523.

For biography see Polski tygod. lek., 1948, **3**: 481–4 (Hartleb, K.)

MIECHOWSKI, Jacques. *L'érysipèle et son traitement par la septicémine [Genève] 31p. 8° Par., P. Gourjon, 1933.

MIECZKOWSKI, Léon, 1871–1931.

For obituary see P. verb. Congr. Soc. internat. chir., 1932, 9. Congr., **1**: 166.

MIECZKOWSKI, Wiktor, 1906–44.

For biography see Gruźlica, 1947, **15**: 394.

MIECZYNSKI, Franciszek, 1869?–1934.

For obituary see Medycyna, 1934, 171.

MIEDLIG [August Otto] Erich, 1908– *Die Hämangiome der Wirbelsäule und des Extraduralraumes. 32p. tab. 22½cm. Berl., R. Pfau, 1939.

MIE effect.

See under **Dust,** Analysis; **Particle,** Size: Measurement.

MIEG, Johann Ludwig, 1799–1849.

For biography see Dict. hist. biog. Suisse, Neuchâtel, 1928, **4**: 754.

MIEG, Johann Rudolf, 1694–1733.

For biography see Dict. hist. biog. Suisse, Neuchâtel, 1928, **4**: 754.

MIEGE, Ami.

See **Menkès, G., Hermann, R., & Miège, A.** Cobayes humains; enquête de trois médecins suisses dans les bagnes nazis. 93p. 20cm. Genève, 1946.

MIEHE, Hugo, 1875–1932. Die Bakterien und ihre Bedeutung im praktischen Leben. 141p. illust. 19cm. Lpz., Quelle & Meyer, 1907.

Forms Bd 12, Wiss. Bildung.

For obituary see Zbl. Bakt., 2. Abt., 1932, **86**: p. i, portr. (Kolkwitz, R.)

MIEHR, Rudolf, 1910– *Eine anatomische Nachprüfung von stereo-röntgenographisch lokalisierten Steckschüssen. 44p. 8° Erlangen, M. Döres, 1937.

MIELI, Aldo, 1879–1950. Manuale di storia della scienza; antichità. xxx, 567p. illust. pl. portr. diagr. 22½cm. Roma, Casa ed. Leonardo da Vinci, 1925.

Forms v.5, Stud. storia pens. sc.

—— La science arabe et son rôle dans l'évolution scientifique mondiale ... avec quelques additions de Henri Paul Joseph Renaud, Max Meyerhof [et] Julius Ruska. xix, 388p. 25cm. Leiden, E. J. Brill, 1938.

Also editor of **Archivio di storia della scienza.** Roma, v.1–8, 1919–27. Also **Scienziati (Gli) italiani,** dall' inizio del medio evo ai nostri giorni. Roma, v.1, 1921– Also **Archeion.** Roma, &c., v.8, 1927– v.25, 1943. Also **Archives internationales d'histoire des sciences.** Par., v.1, 1947–

For obituary see Cienc. & invest., B. Air., 1950, **6**: 231 (Babini, J.)

For portrait see Collection in Library.

MIELKE, Benno, 1908– *Die rassenhygienische und bevölkerungspolitische Bedeutung der Ehescheidungen. 38p. 22cm. Bonn, H. Trapp, 1937.

MIELKE, Fred, 1922–

See **Mitscherlich, A., & Mielke, F.** Das Diktat der Menschenverachtung; eine Dokumentation. 175p. 19½cm. Heidelb., 1947. —— Doctors of infamy; the story of the Nazi medical crimes. 172p. 21½cm. N. Y., 1949.

MIELKE, Gerhard, 1908– *Fälle von Ostitis deformans (Paget) [Berlin] 33p. 21cm. Borna-Lpz., R. Noske, 1936.

MIELKE, Hans, 1900– *Die Blutkörpersenkungsreaktion und ihre Beeinflussung durch Adrenalin. 32p. 8° [Berl., n. p.] 1930.

MIELKE, Heinz, 1910– *Ueber Blutleukopenie bei Milztuberkulose im Stadium der Generalisierung [Berlin] 23p. 23cm. Charlottenb., K. & R. Hoffmann, 1937.

MIELKE, Heinz, 1912– *Erfolge der Balkenstichoperation [Kiel] 27p. 20½cm. Würzb., K. Triltsch, 1937.

MIELKE, Herma Charlotte, 1901– *Zur Beurteilung von Schädigungen nach Lokalanästhesie bei zahnärztlichen Eingriffen. 26p. 8° Bresl., A. Schreiber, 1930.

MIELKE, Hermann, 1908– *Experimentelle Untersuchungen über die Beziehungen zwischen dem Stickstoffgehalt des Magensaftes und des Blutes. 14p. 8° Greifsw., H. Adler, 1932.

MIELKE, Karl Hermann Werner, 1909– *Die Luxationen des 1. Keilbeines. 33p. 8° Königsb. i. P., J. Raabe, 1934.

MIELKE, Sophus, 1909– *Ueber die Entgiftung eines hohen zellfremden Alkohols durch Kolloide. 12p. 8° Greifsw., H. Adler, 1933.

MIELKE, Ulrich, 1912– *Capillarmikroskopische Beobachtungen nach hydrotherapeutischen Massnahmen. 43p. illust. tab. 23cm. Berl.-Charlottenb., K. & R. Hoffmann, 1940.

MIELKE, Werner, 1908– *Kritische Beiträge zur Frage der Fremdkörper, die bei der zahnärztlichen Behandlung in das Antrum Highmori gelangen können. 31p. 8° Münch. [n. p.] 1933.

MIELNICKI, Abram. *Hyperemesis gravidarum et son traitement par l'insuline. 78p. 8° Lausanne, A. Bovard-Giddey, 1932.

MIELNIK, Isaac.
Translator of **Rosenberg, B. D.** Como nasce uma criança. 103p. 24cm. S. Paulo [after 1944]

MIELOT, Henri. *L'utilisation de l'hydrate de chloral dans l'anesthésie; ses indications; ses résultats. 64p. 24cm. Toulouse, H. Cléder, 1935.

MIENICKI, Marian, 1890–
For biography see in Czy wiesz kto to jest, Warsz., 1938, 485, portr.

MIER, Jadraque, Luis.
For portrait see Arch. Soc. oft. hisp. amer., 1949, **9**: 543.

MIEREMET, Christiaan Willem Gabriël, 1887–1938.
For obituary see Ned. tschr. geneesk., 1938, **82**: pt 4, 5620, portr.

MIERS, Edward Martin, 1886–1948.
For obituary see J. Arkansas M. Soc., 1948–49, **45**: 71.

MIERS, Sir Henry Alexander, 1858–1942.
For biography see Nature, Lond., 1943, **151**: 111 (Humberstone, T. L.)

MIERSCH, Wilhelm, 1914– *Ueber perforierende Splitterverletzungen; Bericht über 488 Fälle aus den Jahren 1929–40. 31p. tab. 23cm. Lpz., A. Edelmann, 1942.

MIERSIA.

Caroli, E. Miersia clavigera Chun, stadio misidiforme di Lysmata seticaudata Risso. Pubb. Staz. zool. Napoli, 1918, **2**: 177–89.

MIERZEJWSKI, Jean de, 1838–1908.
For biography see in Index biogr. (Acad. méd.) Par., 1939, 85.

MIERZIEWSKI, Wladislaw, 1841–
For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 292.

MIESCHER, Friedrich, 1811–87.
For biography see Dict. hist. biog. Suisse, Neuchâtel, 1928, **4**: 754.
For portrait see Actas Ciba, B. Air., 1948, 253. Also Actas Ciba, Rio, 1948, **15**: 293. Also Ciba tschr., Basel, 1947, 861. Also Ciba Zschr., Basel, 1934–35, **2**: 725.

MIESCHER, Guido, 1887– Melanom. p.1005–1135. 8° Berl., J. Springer, 1933.
In: Handb. Haut & Geschlkr. (Jadassohn, J.) Berl., 1933, **12**: pt. 3.
See also **Brody, C., Miescher, G.** [et al.] Le rôle du pigment dans la biologie de la lumière et dans l'effet thérapeutique des bains de lumière. p.181–296. 24cm. Kbh., 1933.
For Festschrift see Dermatologica, Basel, 1947, **94**: No. 5-6, 265–384.
For biography see Strahlentherapie, 1947–48, **77**: 323, portr. (Meyer, H.)

—— & **BOEHM, C.** Tierexperimentelle Untersuchungen über Ausbreitung und Fixierung von Mikroben (Colibazillen, Streptokokken, Gonokokken, Tuberkelbazillen) im Organismus mit besonderer Berücksichtigung des Traumas. p.565–620. illust. tab. 25cm. Basel, 1947.
In: Schweiz. Zschr. allg. Path., 1947, **10**:

MIESCHER [Johann] Friedrich, 1844–95.
Suter, F. [et al.] Friedrich Miescher, 1844–1895; Vorträge gehalten anlässlich der Feier zum 100. Geburtstag von Prof. Friedrich Miescher in der Aula der Universität Basel am 15. Juni 1944. 43p. 24cm. Basel, 1944.
For biography see Schweiz. med. Wschr., 1945, **75**: 652. Also Sc. Month., 1943, **57**: 523–32, portr. (Greenstein, J. P.)
For bibliography see Helvet. physiol. pharm. acta, 1944, Suppl. 2, 39–41.
For portrait see Helvet. physiol. pharm. acta, 1944, Suppl. 2, opp. p. 3.

MIESCHER, Werner. *Ueber ein Angiofibrom an Stelle der Appendix [Zürich] 13p. 8° Basel, B. Schwabe & Co., 1928.
Also Schweiz. med. Wschr., 1928, **58**: 286–9.

MIESCHERIA.

See **Sarcosporidia.**

MIESCKE, Klaus, 1911– *Dystrophia musculorum progressiva und Dystrophia adiposogenitalis. 20p. 23½cm. Berl., R. Pfau, 1937.

MIESE, Hermann, 1910– *Studie zur Aetiologie der Wurzelgranulome und ihr histologisches Bild [Münster] 23p. 8° Bottrop-W., W. Postberg, 1934.

MIESEMER, Karola, 1904– *Untersuchungen über den Adenylsäure-Gehalt des Blutes. 18p. 8° Heidelb., n. p., 1929.

MIESEN, Goswin, 1905– *Die Ausnutzung der Maronen [Frankfurt a. M.] 18p. tab. 21cm. Würzb., K. J. Triltsch, 1940.

MIESKE, Hans, 1896– Die Kampferversorgung der Welt. 149p. illust. map. 22cm. Berl., E. Eberling, 1929.

MIESSEN, Albert, 1910– *Ein Beitrag zur Frage der Vererbung der sogenannten angeborenen Hüftverrenkung. 27p. 21cm. Bonn, A. Brand, 1937.

MIESSEN, Erich, 1909– *Makroskopisch- und mikroskopisch-pathologische Betrachtungen an der Tuba Eustachii [Köln] 16p. 22cm. Düsseld., G. H. Nolte, 1936.

MIESSNER, Hermann, 1870–1949. Kriegstierseuchen und ihre Bekämpfung; Leitfaden für Veterinäroffiziere, beamtete und praktische Tierärzte. ix, 161p. illust. 23cm. Hannover, M. & H. Schaper, 1915.
[**Receives** Goethe medal] Deut. tierärztl. Wschr., 1941, **49**: 1, illust.
For biography see Arch. wiss. prakt. Tierh., 1940–41, **76**: 163.
For obituary see Wien. tierärztl. Mschr., 1949, **36**: 415.

MIETH, Nita Neumann, 1898– *Seelische Einflüsse auf den Kohlehydratstoffwechsel. 29p. 8° Berl.-Friedrichshagen, M. Tismar, 1933.

MIETH, Otto, 1902– *Das Verhalten des Blutzuckers bei Glukosebelastung in der zweiten Hälfte der Schwangerschaft [Kiel] 35p. 8° Berl., E. Ebering, 1928.

MIETH, Rudolf, 1901– *Der Abszess [Berlin] 37p. 8° Charlottenb., Gebr. Hoffmann, 1928.

MIETHE, Otto Fritz, 1912– *Primäre Morbidität der Strahlenbehandlung des Collum-Carcinoms bezüglich Blasen- und Mastdarmschäden; unter Berücksichtigung der in den einzelnen Jahren verschieden angewandten Bestrahlungsmethoden. [Heidelberg] 16p. tab. 22cm. Würzb., R. Mayr, 1939.

MIETKE, Hansheinz, 1907– *Dauerschädigungen nach Eklampsie. 31p. 22cm. Bonn, L. Heidelmann, 1935.

MIETKIEWICZ, Rena. *Contribution aux recherches sur le traitement du psoriasis [Genève] 16p. 23cm. Annemasse, J. Rosnoblet, 1937.

MIETKIEWSKI, Eugeniusz. Wskazówki do ćwiczeń z fizjologii. Wyd. 2. xiv, 185p. illust. tab. diagr. 21cm. Poznań, Księg. akad., 1947.

MIETKIEWSKI, Kazimierz. Sur l'histogénèse de l'épididyme du cobaye. p.255–306. pl. 25cm. Strasb., 1940.
In: Arch. anat., Strasb. (1939) 1940, **28**:

—— Badania doświadczalne nad układem płciowym męskim szczura i świnki morskiej. 105p. illust. pl. 25½cm. Poznań, 1949.
Forms No. 2, v.7, Prace Kom. lek. Poznań. towarz. przyjac. nauk.

MIETLING, Wolfgang Günter Frank, 1912– *Ueber die Speichelsteinkrankheit und ihre Entstehung. 35p. 21cm. Münch., C. Wolf & Sohn, 1938.

MIETUS, Aloysius Casimir Raymond, 1914– *Carcinoma of the esophagus with a review of twenty-four autopsied cases [Marquette Univ.] 44p. 28cm. Milwaukee [n. p.] 1938.
Typewritten.

MIETUSCH, Elfriede, 1903– *Beitrag zur Frage; Umwelteinfluss am erblich geschädigten Auge; Organminderwertigkeit. 19p. 23cm. Berl., R. Pfau, 1938.

MIETZSCH, Eberhard Richard, 1910– *Körpermessungen an 4548 höheren Schülerinnen aus verschiedenen Teilen Deutschlands [Leipzig] 20p. 8° Zeulenroda i. T., A. Oberreuter, 1935.

MIETZSCH, Wolfgang Friedrich Hermann, 1910– *Bakterio-klimatische Untersuchungen in Leipzig [Leipzig] 31p. 8° Zeulenroda i. T., A. Oberreuter, 1935.

MIEZ, Giorgio, 1904– Die Sauna im Dienste ihrer Gesundheit. 30p. 23cm. Thalwil-Zür., E. Oesch, 1946.

MIFFLIN, Thomas, 1744–1800.
For biography see Yearb. Am. Philos. Soc. (1940) 1941, 236 (Rossman, K. R.)

MIFFRE, Jacques. *Contribution à l'étude du venin de cobra dans le traitement des tumeurs et des algies cancéreuses. 77p. tab. 24cm. Toulouse, Impr. Sud-Ouest, 1935.

MIFSUD, Joseph, 1902– *Contribution à l'étude du traitement par les courants à haute fréquence des calculs de l'uretère intravésical. 52p. 8° Par., M. Vigné, 1931.

MIGAULT, Pierre, 1898– *Des rapports des syndromes choréique et maniaque. 98p. 8° Par., L. Arnette, 1930.

MIGAYRON, André, 1896–1946?
For obituary see Bull. Soc. méd. mil. fr., 1946, **40**: 112.

MIGDEN, I. J., 1911– *De l'allongement du tibia dans certaines lésions inflammatoires. 43p. 25cm. Nancy, P. Ferry, 1937.

MIGEON, Guy, 1885– *Contribution à l'étude des préparations de cortico-surrénale et à leur titrage biologique [Paris] 92p. tab. 24cm. Poitiers, Soc. fr. impr. libr., 1942.

MIGET, Achille, 1901– *Le syndrome d'Ehlers-Danlos. 99p. pl. 8° Par., L. Arnette, 1933.

MIGINIAC, Gabriel, 1883– Nouveau traité de pathologie chirurgicale; généralités. xii, 1319p. pl. 8° Par., G. Doin & cie, 1931.
Forms v. 1, Nouv. traité path. chir. (Basset, A., et al.)
See also **Brocq. P., & Miginiac, G.** Chirurgie du pancréas. 427p. 8° Par., 1934.
For portrait see Clín. laborat., Zaragoza, 1934, **25**: opp. p. 188.

MIGLIARDI, Luigi. Esplorazione della funzionalità renale e prognosi chirurgica in urologia. 230p. illust. tab. 24½cm. Tor., Soc. edit. torinese, 1934.

MIGLIETTA, Antonio, 1763–1826.
Director of **Giornale medico napolitano,** v. 1–11. 11v. 22cm. Nap., 1823–26.

MIGLIORI, Vittorio. La pressione sanguigna nell'infanzia in condizioni fisiologiche e patologiche. 75p. tab. diagr. 28cm. Bologna, L. Cappelli, 1935.
Forms No. 53, Ser. 1, Collez. med. attual. sc.

MIGNACCA, Pietro, 1878?–1917.
For portrait see in Libro d'oro, Roma, 1924, 115.

MIGNANI, Vincenzo, fl. 1784. De effectibus terraemotus in corpore humano. 152p. 8° Bologna, Typogr. S. Thomae Aquinatis, 1784.

MIGNARD, Maurice, 1881–1925.
For biography see Nervenarzt, 1930, **3**: 31–8. (Minkowski, E.)

MIGNARD, Pierre, 1919– *Etude cinématographique et myographique des crises d'électro-choc chez l'homme. 76p. pl. diagr. 25cm. Lyon, Impr. à Rey, 1947.

MIGNARDOT, Jean, 1905– *Contribution à l'étude de l'allergie syphilitique chez le paralytique général avant et après malariathérapie. 120p. 25cm. Nancy, A. Tollard, 1935.

MIGNAULT, Georges Etienne, 1881–1944.
For obituary see Union méd. Canada, 1944, **73**: 571 (Vidal, J. A.)

MIGNAULT, Louis Daniel, 1856–1929.
For biography see Union méd. Canada, 1946, **75**: 1278, portr. (LeSage, A.)
For obituary see Union méd. Canada, 1929, **58**: 589–94 (Fortier, L. E.).
For portrait see J. Hôtel-Dieu Montréal, 1942, **11**: 472. Also Union méd. Canada, 1943, **72**: 999.

MIGNEN, Arsène, 1906– *Diagnostic différentiel des rhinites purulentes chroniques de la seconde enfance. 13p. 8° Par., Jouve & cie, 1933.

MIGNEN, Charles, 1914– *Contribution à l'étude des anémies pernicieuses; la valeur et les difficultés du traitement. 66p. 24cm. Par., M. Vigné, 1939.

MIGNEN, Marie Joseph, 1904– *Contribution au traitement chirurgical des luxations invétérées de la hanche (butée et bifurcation associées) 89p. pl. 8° Par., Libr. Le François, 1931.

MIGNON, Alfred Henri Alexandre, 1854–1936. Le Service de Santé pendant la guerre 1914–18. 4v. 8° Par., Masson & cie, 1926–27.
For obituary see Arch. méd. pharm. mil., 1936, **105**: 253–67.

MIGNON, Jean, 1908– *Les méningites à pneumocoque III (Pneumococcus mucosus) 64p. 8° Par., A. Legrand, 1937.

MIGNON, Robert, 1910– *La circulation coronarienne et l'étude expérimentale des ligatures. 166p. 8° Par., A. Legrand, 1937.

MIGNONE, Constantino, 1904– *Da acção de certas plantas brasileiras sôbre a pressão sanguinea. 50p. pl. 8° S. Paulo, Typ. Camargo, 1927.

—— Anatomia patológica da silicose pulmonar. 86p. 23½cm. S. Paulo, Rossolillo, 1939

MIGNON'S granuloma.

See also **Cholesterosis,** osseous; **Granuloma,** eosinophil; **Reticulogranuloma.**
Galatius-Jensen, E. Eosinofilt knoglegranulom. Nord. med., 1949, **41**: 378.—**Mignon, F.** Ein Granulationstumor des Stirnbeins. Fortsch. Röntgenstrahl., 1930, **42**: 749–51.

MIGNOT, André, 1911– *Action comparée des divers médicaments d'attaque sur la sérologie dans les syphilis récentes. 37p. 8° Lyon, Bosc fr., 1936.

MIGNOT, Antoine, 1823–1908.
For biography see in Index biogr. (Acad. méd.) Par., 1939 85.

MIGNOT, Hubert, 1910– *Etude sur les atrophies du cervelet; envisagées surtout au point de vue de leur classification nosologique et de leur pathogénie. 171p. 24cm. Par., Jouve & cie, 1939.

MIGNOT, Jacques, 1918– *Etude artériographique de la vascularisation rénale; essai de comparaison anatomo-radiologique. 45p. illust. pl. 24cm. Par., Impr. Rey-Robert, 1945.

MIGNOT, Roger, 1874–1947.
For obituary see Ann. méd. psychol., Par., 1947, **105**: 355; 403.

—— & **MARCHAND, Léon.** Manual technique de l'infirmier des établissements d'aliénés;

à l'usage des candidats aux diplômes d'infirmier des asiles. 2. éd. xiii, 415p. 8° Par., G. Doin & cie, 1931.

MIGNOT, Yvon, 1910– *Etude comparée du problème alimentaire dans divers pays. 45p. 24cm. Par., Jouve, 1939.

MIGNOTO, Giammaria, fl. 1528.

MAYER, C. F. Mignotydea, an undescribed epidemiological monograph of the Cinquecento. p. 184–204. 25½cm. Balt., 1944.

Also Bull. Hist. M., Suppl. No. 3, 1944. Also in Essays Hist. Med. (Sigerist, H. E.) Balt., 1933, 184–204.

MIGNOTYDEA.

See **Mignoto;** also **Renaissance,** History.

MIGNUCCI, Robert Jacques, 1910– *Le corps étrangers du carrefour aéro-digestif chez les animaux domestiques [Alfort] 63p. 8° Lyon, Bosc fr., 1937.

MIGONE, Luigi. Sulla cosidetta periarterite nodosa. p.301–409. illust. pl. 24cm. Fir., 1944.

In: Arch. De Vecchi, 1943–44, **6:**

—— L'angiopatia acuta trombotica necrosante dei reni; contributo allo studio della necrosi corticale bilaterale dei reni. iv, 164p. illust. 24½cm. Pisa, V. Baldacci, 1949.

Forms Suppl. 22, Omnia med., Pisa.

MIGONE, Luis Enrique

For portrait see Rev. brasil. biol., 1944, **4:** 132.

MIGOZZI, Thomas, 1909– *Contribution à l'étude des spasmes d'ouverture des paupières d'origine acquise [Marseille] 103p. 25½cm. Lyon, Bosc fr., 1937.

MIGRAF.

See also **Micrography,** Photomicrography.

Watkins, R. L. The migraf; a microscope-camera. Med. Times, N. Y., 1912, **40:** 115.

MIGRAINE.

See also **Headache.**

DANIELSSON, C. N. *Disquisitio in cephalalgiam. 22p. 20cm. Lund, 1821.

Ahrens, R. S. Migraine. J. Lancet, 1930, **50:** 80–6.—**Alvarez, W. C.** Migraine. Wisconsin M. J., 1939, **38:** 451–6. —— Sick headaches. Rhode Island M. J., 1944, **27:** 451. —— Essential facts about migraine. Gastroenterology, 1945, **4:** 436. —— Migraine. In: Oxford Med., N. Y., 1940–47, **6:** 936 (sub. p. 5–39)—**Andresen, A. F. R.** Migraine. Med. Times, N. Y., 1931, **59:** 414.—**Araujo, H. de.** Enxaqueca. Brasil méd. cir., 1949, **11:** 359–64.—**Bandler, P.** Ueber Wesen und Behandlung der Migräne. Schweiz. med. Wschr., 1940, **70:** 190–2.—**Barton, J. K.** Migraine. West London M. J., 1928, **33:** 28; 1941, **46:** 44.—**Bastos, A. de.** Enxaqueca. Hora med., Rio, 1939, **3:** No. 9, 15–20.—**Bergmark, G.** Migrän. Nord. med. tskr., 1932, **4:** 662–7.—**Bolduc, R.** Migraine. Med. J. Tufts Coll. School M., 1937–38, **4:** No. 4, 2–5.—**Bond, S. E.** Migraine. Nat. Eclect. M. Ass. Q., 1935–36, **27:** 131–4.—**Bright, I. B.** Migraine. Mississippi Doctor, 1934–35, **12:** No. 3, 21.—**Burn, E. M.** Migraine headache. Rec. Columbia M. Soc. Richland Co., 1948, **12:** No. 11, 12–6.—**Butler, T. H.** Headache and migraine. Med. Press & Circ., Lond., 1944, **212:** 150–5.—**Camp, C. D.** Migraine. Proc. Interst. Postgrad. M. Ass. N. America (1941) 1942, 46–9.—**Carl, H. A.** Migraine. Hahneman. Month., 1938, **73:** 1026–33.—**Carmichael, E. A.** Migraine. In: Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1938, **8:** 604–9.—**Caussade, G.** La migraine. Gaz. hôp., 1935, **108:** 1759.—**Cawton, F. G.** Migraine. S. Afr. M. J., 1933, **7:** 260.—**Colfer, H. F.** Migraine; a review of its present status. Marquette M. Rev., 1942–43, **7:** 157–64. Also Jackson Clin. Bull., Madison, 1944, **6:** 19–27.—**Dalsgaard-Nielsen, T.** Om migraeene. Nord. med., 1943, **20:** 1656–8.—**Dougherty, E. F.** Migraine. M. D., Chic., 1948, **3:** 117–9.—**Douthwaite, A. H.** Sick headaches. Guy's Hosp. Gaz., Lond., 1940, **54:** 334–8.—**Eulenburg, A.** Migräne. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9:** 417–27.—**Ferguson, F. R., & Critchley, M.** Jaqueca [Transl.] Actual. méd. mund., B. Air., 1933, **3:** 144; passim.—**Foote, S. A., jr.** Migraine. Med. Rec., Houston, 1937, **31:** 975–9.—**Fornet, B.** A migraineröl. Orv. hetil., 1934, **78:** 747–50.—**Friedman, A. P.** The migraine problem. N. York State J. M., 1949, **49:** 1831–4.—**Gaba, H.** Migraine. North End Clin. Q., 1941, **2:** No. 3, 17.—**Goltman, A. M.** Migraine. Memphis M. J., 1937, **12:** 69–71.—**Hartsock, C. L.** Migraine. J. Am. M. Ass., 1927, **89:** 1489–92.—**Hines, E. A., jr.** Migraine. Am. J. Nurs., 1938, **38:** 988–92.—**Jobin, J. B.** La migraine. Union méd. Canada, 1943, **72:** 291–5.—**Karmalska, L.** Migraine. Univ. Toronto M. J., 1939–40, **17:** 128–32.—**Keyes, B. L.** Migraine. J. Kansas M. Soc., 1949, **50:** 1–6.—**Lewis, W. W.** The baffling commonplace; migraine. J. Lancet, 1934, **54:** 659–63.—**McLaren, K. A.** Chronic and migraine headache. J. Am. Inst. Homeop., 1946, **39:** 367–70.—**Migraines** et maux de tête. Votre santé, Par., 1946, No. 5, 3.—**Misao, T., & Kimura, M.** Henzutū. Rinsyo & kenkyu, 1947, **24:** 280–3.—**Morris, G.** Hemicrania. Canad. M. Ass. J., 1948, **59:** 565–7.—**Mouriquand, G.** Céphalées; migraines. Médecin chez lui, 1938, **15:** No. 14, 9–11.—**Murray, R. V.** Migraine. Texas J. M., 1933, **29:** 514–7.—**McGeachy, J. A.** Migraine. Univ. Toronto M. J., 1935–36, **13:** 155–9.—**Newlin, F. P.** Migraine. Bull. Pottawatomie Co. M. Soc., 1948, **11:** No. 10, 7–11.—**Nickum, O. C.** Migraine. Nebraska M. J., 1934, **19:** 26.—**Pagniez, P.** A propos de la migraine. Presse méd., 1933, **41:** 1666–8.—**Purves Stewart, J.** Las cefaleas; migraine o jaqueca. Día méd., B. Air., 1940, **12:** 76.—**Rehwald, E.** Migräne. Med. Klin., Berl., 1940, **36:** 868.—**Rowbotham, G. F.** Migraine; neuropathology and medical and surgical treatment. Nurs. Mirror, Lond., 1945, **81:** 299.—**Sarma, A. V. S.** Migraine. J. South Ind. M., 1937, **4:** 153; 175.—**Smith, E. B.** Migraine. Practitioner, Lond., 1946, **157:** 320–2.—**Smrha, V. V.** Migraine. Nebraska M. J., 1936, **21:** 423–6.—**Storch, T. J. C. v.** Migraine, 1947; a review. Am. Practitioner, 1946–47, **1:** 631–9.—**Touraine, G. A., & Draper, G.** Abstract of paper on the migrainous patient. Tr. Am. Clin. Clim. Ass., 1933, **49:** 27–33.—**Wolff, H. G.** Migraine. Proc. Interst. Postgrad. M. Ass. N. America, 1939, 165–9.

—— abdominal.

See also other subheadings (allergic; digestive; duodenal)

Balyeat, R. M. So-called abdominal migraine. Proc. Balyeat Clin., Oklahoma City, 1933, **2:** No. 3, 15. —— Migraine attacks diagnosed acute appendicitis. Ibid., 1938, **7:** No. 2, 14.—**Blitzsten, N. L., & Brams, W. A.** Migraine with abdominal equivalent. J. Am. M. Ass., 1926, **86:** 675–7.—**Boyd, J. S.** Migraine simulating appendicitis. Brit. M. J., 1944, **2:** 59.—**Debré, R., & Broca, R.** La migraine chez l'enfant et son équivalent abdominal. Bull. méd., Par., 1935, **49:** 467.—**Delay, J.** Une épilepsie abdominale. Presse méd., 1949, **57:** 1129.—**Groh, R. H., & Veal, J. R.** Cranial and abdominal migraine; report of a case. Med. Ann. District of Columbia, 1943, **12:** 147–51.—**Moore, M. T.** Symptomatic abdominal epilepsy. Am. J. Surg., 1946, **72:** 883–99. —— Abdominal epilepsy. Rev. Gastroenter., N. Y., 1948, **15:** 381–95.—**Ornsteen, A. M.** Migraine with motor aphasia, sensory aphasia and abdominal crises; report of cases. Arch. Neur. Psychiat., Chic., 1942, **48:** 144.—**Pollock, L. W., & Barborka, C. J.** Abdominal migraine. Med. Clin. N. America, 1927–28, **11:** 1665–7.—**Schapiro, M. M.** Abdominal epilepsy; a case report. J. Internat. Coll. Surgeons, 1948, **11:** 96–100.—**Selling, L.** Abdominal symptoms in epilepsy; report of five cases. Portland Clin. Bull., 1948–49, **2:** 87–94.—**Stevens, H.** Abdominal epilepsy. Med. Ann. District of Columbia, 1949, **18:** 565–8.—**Tittaferrante, A. F. V.** La epigastralgia de origen epiléptico en los no videntes. Día méd., B. Air., 1947, **19:** 2376–9.

—— allergic.

See also other subheadings (abdominal; digestive; epileptic; histaminic; ophthalmic; Treatment: Ergot alkaloids)

Alexander, H. L. Allergic-like headaches. Week. Bull. S. Louis M. Soc., 1942–43, **37:** 400.—**Allan, W.** The relationship of allergy to migraine. Internat. Clin., 1935, 45. ser., **3:** 78–88.—**Andresen, A. F. R.** Migraine, an allergic phenomenon. Am. J. Digest. Dis., 1934–35, **1:** 14–7.—**Balyeat, R. M.** Migrainous and nonmigrainous allergic headaches in patients over sixty years of age. Proc. Balyeat Clin., Oklahoma City, 1933, **2:** 12–6. —— Migraine; demonstrating the value of the leukopenic index in finding the positive food factors; case report. Ibid., 1937, **6:** 8. —— Incidence of allergic headaches. Q. Balyeat Clin., Oklahoma, 1939, **8:** 13–7. —— Indications and contraindications for the use of ergotamine tartrate in allergic headaches. Ibid., **9:** No. 2, 6–9. —— & **Brittain, F. L.** Allergic migraine; based on the study of 55 cases. Am. J. M. Sc., 1930, **180:** 212–21.—**Balyeat, R. M., & Rinkel, H. J.** Allergic migraine in children. Am. J. Dis. Child., 1931, **42:** 1126–33. —— Further studies in allergic migraine; based on a series of 202 consecutive cases. Ann. Int. M., 1931, **5:** 713–28.—**Beecher, W. L.** Migraine or sick headache; a sensory disturbance due to protein sensitization or idiosyncrasy. Illinois M. J., 1929, **55:** 123–5.—**Berg, W.** Ueber Teeranaphylaxie und anaphylaktische Migräne. Klin. Wschr., 1928, **7:** 844. Also Zschr. klin. Med., 1928, **108:** 482–8.—**Bergqvist, N.** Migränfall undersökta ur allergisk synpunkt. Nord. med., 1948, **39:** 1600–3.—**Claybon, I. H.** Allergic headache. Cincinnati J. M., 1947, **28:** 23–9.—**Curschmann, H.** Zur Frage der allergischen Migräne. Nervenarzt, 1931, **4:** 71–5.—**Estiú, M., & Dumm. J. F.** Cefaleas alérgicas. Rev. méd. cir. Brasil, 1944, **52:** 23–33.—**Fasano, V. A.** Considerazioni sulla emicrania e cefalea di origine

allergica. Arch. psicol. neur., Milano, 1948, 9: 462.—**Feinberg, S. M.** Allergy. Ann. Otol. Rhinol., 1943, 52: 734. ——— Allergic aspects of headache. Arch. Otolar., Chic., 1943, 38: 199. ——— Migraine and allergic headaches. In his Allergy in Pract., 2. ed., Chic., 1946, 733–45.—**Foran, F. L.** The allergic factor in migraine. Med. Clin. N. America, 1937, 21: 139–47.—**Goltman, A. M.** The mechanism of migraine. J. Allergy, 1935–36, 7: 351–5.—**Hackzell, G., Kraepelien, S., & Vahlquist, B.** Migraine and allergy. Acta allerg., Kbh., 1949, 2: 95–104.—**Hahn, L.** Migräne und Allergie. Med. Klin., Berl., 1930, 26: 1219; 1257.—**Hamburger, J.** Le problème des migraines allergiques. Rev. immun., Par., 1935, 1: 102–12. Also Strasbourg méd., 1935, 95: 112–6.—**Hanhart, E.** Die idiosynkrasische Migräne. Deut. med. Wschr., 1936, 62: 2006; passim.—**Harkavy, J.** Migraine. In: Allergy (Cooke, R. A.) Phila., 1947, 337–52.—**Howes, H. A.** Allergic headaches. Univ. Hosp. Bull., Ann Arb., 1942, 8: 47.—**Kampmeier, R. H.** Ephedrine in allergic migraine. J. Allergy, 1933, 5: 74.—**Kennedy, F.** Allergy of the nervous system with especial reference to migraine. In: Fortsch. Allergie (Kallós, P.) Basel, 1949, 2: 265–84.—**Moreno, J.** Jaqueca y alergia. Prensa méd. argent., 1938, 25: pt 2, 2221–4.—**Ogden, H. D.** Inhalant sensitizations in allergic headaches. South, M. J., 1948, 41: 931–6.—**Pasteur Vallery-Radot.** Migraines et anaphylaxie. Médecine, Par., 1922–23, 4: 371.—**Richards, M. H., & Balyeat, R. M.** The inheritance of allergy with special reference to migraine. Genetics, 1933, 18: 129–47. Also Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 314–21.—**Rinkel, H. J.** Headaches due to specific sensitization. Proc. Balyeat Clin., Oklahoma, 1932–33, 1: No. 8, 8–11. ——— Migraine; some considerations of allergy as a factor in familial recurrent headache. J. Allergy, 1933, 4: 303–14.—**Rowe, A. H.** Allergic migraine. J. Am. M. Ass., 1932, 99: 912–5.—**Schroeder, A. H.** Jaqueca con hemianestesia y afasia a repetición de origen alérgico. Rev. otoneur., B. Air., 1946, 21: 58–61.—**Service, W. C.** The role of allergy in migraine. Rocky Mountain M. J., 1939, 36: 471–5.—**Seyler, L. E.** Beef, a factor in allergic headache. Proc. Balyeat Clin., Oklahoma, 1935, 4: No. 3, 14.—**Shuey, C. B.** Vascular mechanisms in allergic headaches. South. M. J., 1947, 40: 440–3.—**Sippe, C.** Migraine from the allergic viewpoint; results of treatment in 105 cases. Med. J. Australia, 1938, 1: 893–5.—**Stěrba, R.** Asthma bronchiale, migréna a reumatismus jakožto alergické choroby přeměny láktové ovlivněné faktory klimatobiologickými. Prakt. lék., Praha, 1946, 26: 336; passim.—**Sweetser, H. B.,** jr. The allergic factor in migraine. Minnesota M., 1934, 17: 31.—**Tuft, L.** Allergic migraine. Pennsylvania M. J., 1935–36, 39: 162–6.—**Turnbull, J. A.** Allergy as a factor in headaches. Am. J. Digest. Dis., 1948, 15: 16–20.—**Unger, L.** Migraine reproduced by injections of specific allergens. Mississippi Valley M. J., 1941, 63: 175–8.—**Urbach, E., & Gottlieb, P. M.** Allergic headaches. In their Allergy, N. Y., 1943, 923. ——— Migraine. Ibid., 924–36.—**Vaughan, W. T.** Allergic migraine. J. Am. M. Ass., 1927, 88: 1383–6.—**Verney, L.** L'emicrania quale allergopatia. Attual. med., Roma, 1943, 8: 88–96.—**Wolf, A. A., & Unger, L.** Migraine due to milk; feeding tests. Ann. Int. M., 1944, 20: 828–31.—**Zussman, B. M.** Allergy of the eye associated with migraine headache: case report. Ann. Allergy, 1949, 7: 524–7.

—— angioparalytic.

See subheading (vasomotor)

—— atypical.

Beuther, R. P. *Ueber seltene Migräneformen. 38p. 8° Rostock, 1919.

Eckstein, L. *Zwei Fälle von atypischer Migräne [Freiburg] 9p. 8° Stockach (Baden) 1932.

Didsbury, G. Traitement anatomique de la migraine; étude complémentaire des formes atypiques ou dissociées. Presse therm. clim., 1934, 75: 169–72.—**Heymanowitsch, A. J.** Ueber atypische Migräne. Nervenarzt, 1931, 4: 640–4.—**Hoch, P.** Ueber seltene Formen der Migräne. Arch. Psychiat., Berl., 1932, 97: 553–68.—**Mayer, W.** Notes on the unusual course in certain cases of migraine. Psychiat. Q., 1941, 15: 571–3.—**Riley, H. A., Brickner, R. M., & Soltz, S. E.** Unusual types of migraine. Bull. Neur. Inst. N. York, 1935, 4: 403–21.—**Satre, A.** Un cas curieux d'hémicranie. Rev. path. comp., Par., 1918, 18: 258.—**Serani, H., & Guzmán Y., R.** Jaquecas atípicas. Rev. méd. Chile, 1949, 77: 634–6.—**Witt, W. H.** Migraine, with special reference to certain modifications. J. Tennessee M. Ass., 1932, 25: 409–13.

—— Autonomic nervous system.

See also subheading Nervous system; also **Sympathalgia.**

Brunelli, A. Migraine et sympathalgie homolatérale de l'hémicorps. Rev. neur., Par., 1937, 68: 167–73.—**Gros, C.** Sympathalgies faciales bilatérales à caractère migraineux; sympathectomies cervicales; guérison. Rev. otoneur., Par., 1947, 19: 350–2.—**Jiménez Díaz, C., Lorente, L.** [et al.] Investigaciones sobre el mecanismo de los paroxismos vegetativos (estudios sobre enfermos de jaqueca) Rev. clín. españ., 1941, 3: 417–25.—**Lenormand, C.** La migraine; le rôles du sympathique dans son étiologie, sa pathogénie et son traitement. J. méd. chir., Par., 1946, 117: 138–59.—**Michaelson, I. C.** Angina capitis. Brit. J. Ophth., 1932, 16: 202–17.—**Pasteur Vallery-Radot & Hamburger, J.** La crise migraineuse est-elle d'origine sympathique? Presse méd., 1934, 42: 1681.—**Riley, W. H.** Migraine; a disorder of the sympathetic nervous system. J. Michigan M. Soc., 1937, 36: 831–9.—**Rowbotham, G. F.** Migraine and the sympathetic nervous pathways. Brit. M. J., 1946, 2: 319–22.—**Solomon, P.** The sympathetic nervous system in migraine; negative effect of ergotamine tartrate on the electrical resistance of the skin during the relief of migraine headache. Arch. Neur. Psychiat., Chic., 1936, 35: 964–74.—**Stemmer, W.** Die Migräne als Sympathikuskrise und ihre Behandlung mit Praephyson. Fortsch. Ther., 1937, 13: 348–51.

—— aviator's.

Engel, G. L., Romano, J. [et al.] Electroencephalographic observations of two cases of the scotoma-migraine syndrome complicating decompression sickness. 10p. 28cm. Wash., 1943.

Forms Rep. No. 227, Com. Aviat. M. U. S. Nat. Res. Counc.

Davis D. B., & Bick, J. W., jr. The diagnosis of migraine in flying personnel. Mil. Surgeon, 1946, 98: 17–20.—**Hughes, J. P. W.** High altitude physiology and the reaction of the migraine subject. East Afr. M. J., 1944, 21: 20–4.—**Scotoma;** migraine syndrome. News Lett. R. Nav. Air M. School, 1947, No. 2, 13; No. 3, 20, ch.

—— cervical.

Syn.: Sympathetic cervical posterior syndrome; Barré-Liéou syndrome; Barré-Bärtschi syndrome.

Bärtschi-Rochaix, W. Migraine cervicale; das encephale Syndrom nach Halswirbeltrauma. 188p. 23½cm. Bern, 1949.

Devèze, G. *Le syndrome sympathique cervical postérieur de Barré-Liéou post-traumatique; à propos de dix-huit observations [Marseille] 99p. 24cm. Nîmes, 1937.

El Kassab Abdul Majid. *Le syndrome sympathique cervical postérieur de Barré et Liéou; clinique, interprétation pathogénique et radonthérapie. 93p. 25½cm. Montpel., 1934.

Bärtschi-Rochaix, W. Troubles encéphaliques après lésion méconnue de la colonne cervicale; la migraine cervicale. Paris méd., 1947, 37: 178–80. ——— La migraine cervicale post-traumatique et ses rapports avec le syndrome sympathique cervical postérieur de Barré. Rev. otoneur., Par., 1947, 19: 16–20. ——— Le diagnostic de l'encéphalopathie post-traumatique d'origine cervicale (migraine cervicale) Praxis, Bern, 1948, 37: 673–7. ——— Das Tomogramm bei post-traumatischer migraine cervicale. Schweiz. Arch. Neur. Psychiat., 1948, 62: 419–23.—**Ballivet, J.** Le syndrome sympathique cervical postérieur de Barré-Liéou. J. méd. Lyon, 1947, 28: 605–7.—**Barré.** Remarques sur les phénomènes d'irritation et de paralysie sympathiques, les troubles circulatoires d'origine sympathique, le R. O. C., le sensibilité à la douleur du sympathique, le syndrome sympathique cervical postérieur, la valeur des tests pharmacologiques et l'importance des troubles sympathiques dans l'hystérie. Rev. neur., Par., 1926, 33: 1046–9. ——— Sur un syndrome sympathique cervical postérieur et sa cause fréquente; l'arthrite cervicale. Ibid., 1246–8.—**Euzière.** El síndrome simpático cervical posterior. Ars médica, Barcel., 1934, 10: 233–43.—**Ferreri, G.** Sulla sindrome simpatica cervicale posteriore. Riv. otoneuroft., 1928, 5: 541–51.—**Gayral, L.** Les syndromes du sympathique cervical postérieur. Toulouse méd., 1949, 50: 479–503. ——— Une forme particulière des syndromes du sympathique cervical postérieur. Ibid., 515.—**Guidotti, C.** Terapia Roentgendiatermica in un caso di sindrome simpatico cervicale posteriore o morbo di Barré-Liéou. Arch. radiol., Nap., 1939, 15: 318–21.—**Hunger, C. R., & Mayfield, F. H.** Role of the upper cervical roots in the production of pain in the head. Am. J. Surg., 1949, 78: 743–51.—**Jackson, R.** The cervical syndrome as a cause of migraine. J. Am. M. Women Ass., 1947, 2: 529–34.—**Streiff, E. B.** La symptomatologie oculaire du syndrome cervical postérieur (Barré-Bärtschi) Schweiz. med. Wschr., 1948, 78: 697.—**Viallefont, H.** Les manifestations oculaires du syndrome sympathique cervical postérieur. Arch. opht., Par., 1933, 50: 630–2.

—— Clinical aspect.

Wit, J. C. de. Migraine; vormen, oorzaken en behandelingsmethoden. p.291–347. 24½cm. Haarlem, 1949.

In: Geneesk. bl., 1949, 43:

Allan, F. N. Migraine. Lahey Clin. Bull., 1942–43, **3**: 55–60.—**Alvarez, W. C.** Migraine. Med. Clin. N. America, 1940, **24**: 1171–7.—**Amyot, R.** La migraine; étiologie, pathogénie, notions cliniques et traitement. Union méd. Canada, 1933, **62**: 857–67.—**Bassoe, P.** Migraine. J. Am. M. Ass., 1933, **101**: 599–605.—**Biró, L.** Beitrag zur Migränefrage. Schweiz. med. Wschr., 1944, **74**: 1040.—**Black, G. H.** Migraine. Med. J. Australia, 1934, **2**: 37–46.—**Bonn, F. L.** Ueber Migräne. Med. Klin., Berl., 1926, **22**: 1097–102.—**Bramwell, E., McMullen, W. H.** [et al.] Discussion on migraine. Brit. M. J., 1926, **2**: 765–75.—**Conwell, D. V., & Kurth, C. J.** A clinical approach to the migraine problem. J. Kansas M. Soc., 1940, **41**: 413–7.—**Critchley, M., & Ferguson, F. R.** Migraine. Lancet, Lond., 1933, **2**: 123; 182.—**Dannenberg, T. B.** Migraine, histamine, allergic and other related cephalgias. Permanente Found. M. Bull., Oakland, 1944, **2**: 183–91.—**Dowling, G. A.** Migraine. Clin. Virginia Mason Hosp., Seattle, 1930–31, **9**: 57–60.—**Elliot, R. H.** Migraine. Postgrad. M. J., Lond., 1932, **8**: 328; 363. ——— Migraine, a close analysis of a further series of 100 cases. Ibid., 1935, **11**: 314–23.—**Enomoto, M.** Teikei-teki henzutū no iti rei ni taisuru rinsyōgaku-teki kōsatu. Okayama igakkai zassi, 1942, **54**: 971–82.—**Fennel, E. A.** Migraine; a case report. Proc. Clinic, Honolulu, 1936, **2**: No. 10, 13–6.—**Geoghegan, J.** Migraine. Med. Press & Circ., Dubl., 1934, **189**: 413–6.—**Gordon, A. H.** Migraine. Northwest M., 1934, **33**: 151–60. ——— A clinical lecture on migraine. N. England J. M., 1935, **213**: 1017–21.—**Hetényi, G.** Ueber die Migräne-Krankheit. Praxis, Bern, 1944, **33**: 321–5.—**Hunt, T. C.** Migraine. Proc. Interst. Postgrad. M. Ass. N. America, 1937, 419–31.—**Ingelrans, L.** Les migraines. Echo méd. nord, 1935, 3. ser., **3**: 461–75.—**Jiménez-Díaz, C., Sánchez Cuenca, B., & García-Donas, A.** Estudios sobre la jaqueca habitual. An. Clín. Jiménez Díaz, Madr. (1931) 1932, **4**: 261–307.—**McClure, C. W., & Huntsinger, M. E.** Observations on migraine. Boston M. & S. J., 1927, **196**: 270–3.—**MacLaughlin, F. A.** Migraine. Ulster M. J., 1946, **15**: 153–64.—**Marañón, G.** La jaqueca. In his Probl. clín. &c., Madr., 1937, 98–108.—**Matzdorff, P.** Die Migräne in der ärztlichen Praxis. Med. Klin., Berl., 1940, **36**: 1434–6.—**Osborne, O. T.** The migraine syndrome. Ann. Int. M., 1932, **6**: 691–6.—**Palmer, H. D.** Migraine headache. Clinics, Phila., 1945–46, **4**: 531–54.—**Pinczewski.** Un cas de syndrome migraino-tétanique. Rev. neur., Par., 1934, **41**: pt 2, 153.—**Piñeyro, J. A.** Consideraciones acerca de la hemicrania o jaqueca. Cruz Roja dominic., 1948, **14**: No. 2, 6–14.—**Reymond, J. C.** La vraie migraine; étude clinique. J. prat., Par., 1948, **62**: 415.—**Riley, H. A.** Migraine. In: Pract. Libr. M. & S., N. Y., 1936, **9**: 943–61.—**Romberg, E.** Ueber Migräne. Münch. med. Wschr., 1930, **77**: 22–5.—**Rupert, M. P. S., & Wilson, E. E.** A study of migraine. Tr. Alumnae Ass. Woman's M. Coll. Pennsylvania, 1918, **43**: 81–9.—**Scheer, W. M. v. d.** Over migraine. Ned. tschr. geneesk., 1938, **82**: pt 4, 5843–50.—**Schroeder, M. J.** Interesting phases of migraine. Med. Rec., N. Y., 1941, **154**: 107.—**Simons, D. J.** Migraine and other headaches. In: Pract. Med. (Tice, F.) Hagerstown, 1932–48, **10**: 281–92.—**Slight, D.** Migraine. Canad. M. Ass. J., 1936, **35**: 268–73.—**Storch, T. J. C. v.** The migraine syndrome. N. England J. M., 1937, **217**: 247–51. Also Med. Clin. N. America, 1938, **22**: 689–94.—**Symonds, C. P., Thursfield, H.** [et al.] Discussion on migraine. Proc. R. Soc. M., Lond., 1926–27, **20**: Sect. Med., 15–28.—**Wolf, S.,** jr, **& Wolff, H. G.** Intermittent attacks of fever occurring for 13 years in a patient with migraine. Arch. Neur. Psychiat., Chic., 1942, **48**: 852–4.—**Worster-Drought, C.** Observations on persistent and recurrent headache with special reference to migraine. Postgrad. M. J., Lond., 1939, **15**: 309–17.

—— Constitution, habitus, and personality.

See also subheading Nervous system.

Allan, W. The neuropathic taint in migraine. Arch. Neur. Psychiat., Chic., 1927, **18**: 587–90.—**Alvarez, W. C.** The migrainous personality; an essential feature of the disease. Collect. Papers Mayo Clin. (1945) 1946, **37**: 838. ——— The migrainous personality and constitution; the essential features of the disease; a study of 500 cases. Am. J. M. Sc., 1947, **213**: 1–8.—**Heine.** Lebensschicksale von Patienten mit Migräne und Hemianopsie. Münch. med. Wschr., 1936, **83**: 1415; passim.—**Knopf, O.** Preliminary report on personality studies in thirty migraine patients. J. Nerv. Ment. Dis., 1935, **82**: 270; 400.—**Puyuelo, E.** La personalidad de los jaquecosos. Día méd., B. Air., 1949, **21**: 1723–6.—**Ross, W. D., & McNaughton, F. L.** Objective personality studies in migraine by means of the Rorschach method. Psychosomat. M., 1945, **7**: 73–9.—**Stieglitz, E. J.** The migraine physique. Am. J. M. Sc., 1935, **189**: 359–64.—**Touraine, G. A., & Draper, G.** The migrainous patient; a constitutional study. J. Nerv. Ment. Dis., 1934, **80**: 1; 183.—**Trowbridge, L. S., Cushman, D.** [et al.] Notes on the personality of patients with migraine. Ibid., 1943, **97**: 509–17.—**Wolff, H. G.** Personality features and reactions of subjects with migraine. Arch. Neur. Psychiat., Chic., 1937, **37**: 895–921.

—— Diagnosis.

Balyeat, R. M. Migraine; diagnosis and treatment. 242p. 8° Phila., 1933.

Balyeat, R. M. Migraine; diagnosis, differential diagnosis and treatment. Northwest M., 1934, **33**: 343–51.—**Castex.** Jaqueca. Día méd., B. Air., 1930–31, **3**: 265.—**Lenormand, C.** La migraine; notions acquises et hypothèses récentes sur son diagnostic, ses causes et son mécanisme. Gaz. méd. France, 1948, **55**: 814–22.—**Moss, L.** Pseudo-migraine and its relation to neurofibrositis of the scalp. Brit. M. J., 1944, **2**: 800.—**Nicholls, E. E.** The diagnosis and treatment of migraine. Pennsylvania M. J., 1947–48, **51**: 423–6.—**Riley, H. A., Soltz, S. E.** [et al.] The examination by routine laboratory methods of a group of patients suffering from migraine. Bull. Neur. Inst. N. York, 1935, **4**: 442–50.—**Schnitker, M. T., & Schnitker, M. A.** A clinical test for migraine. J. Am. M. Ass., 1947, **135**: 89.—**Villacián, J. M.** Elementos de diagnóstico y de tratamiento de la jaqueca. Trazos, Bilbao, 1949, No. 6, 3–8.—**Weismann-Netter, R.** Le diagnostic différentiel et étiologique des migraines. Gaz. méd. France, 1930, 7–12.

—— digestive.

See also subheadings (abdominal; allergic; duodenal; Liver)

Alvarez, W. C., Bargen, J. A., & Brown, P. W. Digestive disturbances associated with migraine. In: Oxford Med. (Christian, H. A., ed.) N. Y., 1940, **3**: 223.—**Balyeat, R. M.** The relation of cyclic vomiting to migraine in adult life. Proc. Balyeat Clin., Oklahoma, 1938, **7**: 24.—**Fruictier, P.** La paralysie gastrique dans la migraine. Clinique, Par., 1935, **30**: 158.—**Jordan, S. M.** Relationship of migraine to functional colon disease. Tr. Am. Gastroenter. Ass. (1928) 1929, **31**: 332–58.—**Kaufman, J., & Levine, I.** Acute gastric dilatation of stomach during attack of migraine. Radiology, 1936, **27**: 301.—**Laing, G. H.** Migraine types in relation to the gastro-intestinal tract. Med. Clin. N. America, 1927, **11**: 49–54.—**Matignon, J. J.** La diarrhée, équivalent clinique du vomissement chez les migraineux. Paris méd., 1926, **59**: 337–9.—**Monges, J.** La paralysie gastrique dans la migraine. Arch. mal. app. digest., Par., 1934, **24**: 984–8.—**Origine** digestive de la migraine. Clinique, Par., 1936, **31**: 229.—**Ott, M. D.** Gastro-intestinal allergy and migraine in childhood. J. Iowa M. Soc., 1936, **26**: 192–4.—**Paraf, A.** Les migraines digestives. Entretiens de Bichat, 1949, méd., 255–8.—**Seyler, L. E.** Acute abdominal symptoms associated with migraine due to food. Proc. Balyeat Clin., Oklahoma, 1934, **3**: 15.—**Simons, A.** Salz- und Säuregier bei Migräne. Mschr. Psychiat., 1928, **68**: 544–50.—**Surmont, H.** Les migraines d'origine digestive. Echo méd. nord, 1929, **33**: 493–8.—**Todd, L. C.** Food allergy with special reference to migraine. South. M. & S., 1933, **95**: 587–92.

—— duodenal.

See also other subheadings (abdominal; digestive; Liver)

Bonhomme, R. *Contribution à l'étude de la migraine duodénale [Paris] 85p. 8° Angers, 1935.

Denéchau, D., & Bonhomme, R. A propos de la migraine duodénale; deux faits inédits et longuement suivis pouvant s'y rapporter. Bull. Soc. méd. hôp. Paris, 1935, 3. ser., **51**: 363–70.

—— Ear.

See also **Ménière's syndrome.**

Adam, J. Case of ménièrism and migraine; recovery. J. Lar. Otol., Lond., 1940, **55**: 224.—**Atkinson, M.** Ménière's syndrome and migraine; observations on a common causal relationship. Ann. Int. M., 1943, **18**: 797–808.—**Roger, Simèon & Denizet.** Migraine à type otalgique chez un enfant. Rev. otoneur., Par., 1927, **5**: 563–5.

—— Endocrine aspect.

See also other subheadings (estrogenic; Pituitary; Treatment: Hormone) also **Myxedema,** Manifestations; **Ovary,** Deficiency; **Thyroid,** Disorders, etc.

Endocrine factor in migraine. Brit. M. J., 1943, **2**: 255.—**Glass, S. J.** Migraine and ovarian deficiency. Endocrinology, 1936, **20**: 333–8.—**Grunert, K.** Dysfunktion der Augen und ovarielle Migräne. Münch. med. Wschr., 1939, **86**: 841–7. ——— Augenfehler und ovarielle Migräne. Umschau, 1940, **44**: 545–7. Also Med. germ., Rio, 1940–41, **9**: 636–41.—**Hartung, E. F.** Endocrine factors in migraine. Med. J. & Rec., 1930, **132**: 497–500.—**Hoesch, K.** Migräne und Nebenschilddrüseninsuffizienz. Zbl. inn. Med., 1937, **58**: 945–55.—**Kogerer, H.** Migräne und Schilddrüse. Wien. klin. Wschr., 1937, **50**: 307.—**Lasz, J., & Steuer, E. I.** Beitrag zur Symptomatologie und Therapie der thyreogenen Migräne. Schweiz. med. Wschr., 1940, **70**: 853–5.—**Ley, A.** Migraine et hypothyroïdie. J. neur. psychiat., Brux., 1931, **31**: 494–6.—**Marañon, G.** Fatores endocrinos da cefalea e da enxaqueca. Hospital, Rio, 1938, **13**: 259–64.—**Moehlig, R. C.** Migraine; a study based on one hundred cases. Endocrinology, 1931, **15**: 11–6.—**Pötzl, O., Auersperg, A.** [et al.] Thyreogene Migräne. Wien.

med. Wschr., 1939, **89**: 743.—**Sterling, W.** [Rôle of endocrine, especially of parathyroid glands, in pathogenesis of migraine] Polska gaz. lek., 1929, **8**: 765–7.

—— Epilepsy.

See also under **Epilepsy.**

Balyeat, R. M. Migraine due to food diagnosed as petit mal; case report. Proc. Balyeat Clin., Oklahoma, 1932–33, **1**: No. 10, 15.—**Epilepsy** and migraine are related diseases. Science News Lett., 1941, **40**: 53.—**Haskovec.** Petit mal et migrane ophtalmique chez les frères jumeaux. Bull. Soc. neur. Paris, 1904, **6**: 351.—**Knapp, A.** Genuine Epilepsie und Migräne. Med. Welt, 1941, **15**: 1257–61.—**Lennox, W. G.** Practical points in the diagnosis and treatment of epilepsy and migraine. Med. Ann. District of Columbia, 1941, **10**: 459–62.—**Nielsen, J. M., & Thompson, G. N.** Migraine and idiopathic epilepsy. In their Engramme of Psychiat., Springf., 1947, 335–56.—**Ruffin.** Migräneartig auftretende Starrezustände. Deut. med. Rdsch., 1948, **2**: 107.

—— Equivalent.

See also other subheadings (abdominal; digestive)

Curschmann, H. Observaciones sobre la jaqueca y sus equivalentes. Rev. méd. germ. iber. amer., 1934, **7**: 81–6.—**Frouchtman, R.** Los equivalentes migranoides. Medicina, Méx., 1949, **29**: 151–8.—**Neumann, H.** Die pathogenetische Bedeutung der Migräneäquivalente. Med. Klin., Berl., 1941, **37**: 1133.—**Nielsen, J. M., & Ingham, S. D.** Evidence of focal vascular disturbance in migraine equivalent; report of four cases. Bull. Los Angeles Neur. Soc., 1940, **5**: 113–9.—**Slight, D., & Morrison, D. A. R.** Migraine equivalents. Am. J. Psychiat., 1940–41, **97**: 623–32.

—— estrogenic.

See also subheading (Endocrine aspect)

Estrogenic migraine and its treatment with progesterone. What's New, North Chic., 1947, No. 118, 6.—**Riley, H. A., Brickner, R. M., & Kurzrock, R.** The abnormal excretion of theelin and prolan in patients suffering from migraine; a preliminary report. Tr. Am. Neur. Ass., 1933, **59**: 174–6. Also Bull. Neur. Inst. N. York, 1933, **3**: 53–83.

—— Etiology.

See also other subheadings.

Aikin, J. M. Etiology and treatment of migraine. Proc. Nebraska M. Soc., 1902, **34**: 140–6.—**Alvarez, W. C.** Migraine, a disease of civilization. Trained Nurse, 1940, **104**: 495.—**Babcock, C. G.** Report of a study of cases with headache as the presenting symptom. J. Am. M. Women Ass., 1947, **2**: 329–35.—**Balyeat, R. M.** Migraine occurring in an American Indian. Q. Balyeat Clin., Oklahoma, 1938, **7**: No. 3, 18.—**Bodman, F.** On migraine; its ætiology and treatment. Med. Press & Circ., Lond., 1931, **132**: 312.—**Chénier, G.** La migraine d'origine alimentaire. Rev. path. comp., Par., 1919, **19**: 171–4.—**DeJong, R. N.** Migraine; etiology and treatment of the sick headache. Am. J. Nurs., 1946, **46**: 580–2.—**Dilatation** of carotid artery is blamed for migraine. Science News Lett., 1940, **37**: 381.—**Dóssola, A. A.** Etiología y patogenia de la jaqueca. Sem. méd., B. Air., 1936, **43**: pt 2, 237–45.—**Fisher, E. A.** Migraine and the closed bite. J. Am. Dent. Ass., 1942, **29**: 844.—**González Deleito, F.** Las causas de la jaqueca esencial. Siglo méd., 1934, **94**: 542–5.—**Guillaume, A. C.** L'influence du sexe, le facteur individuel, le facteur familial et l'hérédité dans la migraine. Arch. mal. app. digest., Par., 1935, **25**: 1093–101. ——— Les conditions étiologiques de la migraine; valeur respective des conditions endocriniennes, des conditions métaboliques et des conditions digestives. Ibid., 1103–14. ——— Les parentés pathologiques de la migraine. Ibid., 1936, **26**: 97–106. Also Gaz. hôp., 1936, **109**: 619; 677. ——— Existe-t-il une cause anatomique de la migraine? Ibid., 1381–4.—**Inskeep, L. D.** Etiology and treatment of migraine. Northwest M., 1933, **32**: 67–72.—**Johnston, C. R. K.** Migraine in a patient with essential hypertension; report of a case. Cleveland Clin. Q., 1938, **5**: 221.—**Klotz, H. P.** Céphalalgies et migraines sur terrain spasmophile. Bull. Soc. méd. hôp. Paris, 1949, **65**: 1423.—**Laignel-Lavastine.** Migraine et cellulite. Rev. odont., Par., 1946, **68**: 363–74.—**Luce, R. A.**, jr. Theories related to the etiology of the migraine syndrome. Tufts M. J., 1945–46, **13**: 12–4.—**Marshall, W.** Migraine; its causes and treatment with author's theory and therapy. Med. Times, N. Y., 1947, **75**: 194–6.—**Matzdorff, P.** Fieber, Infektionskrankheiten (inkl. Lues) und Migräneanfälle. Deut. Zschr. Nervenh., 1938, **146**: 76–101.—**Moloney, J. C.** The etiology of migraine. Arch. Neur. Psychiat., Chic., 1928, **19**: 684–8.—**Mushin, B.** Migraine. Lancet, Lond., 1942, **1**: 546.—**Nicolai, H.** Ein Beitrag zur Frage des Zusammenhanges zwischen Migräne und Fokalinfekt. Ther. Gegenwart, 1939, **80**: 285.—**Pfeiffer, C., Dreisbach, R. H.** [et al.] The etiology of the migraine syndrome, a physiologic approach. J. Laborat. Clin. M., 1942–43, **28**: 1219–25.—**Pieritz, K.** Beitrag zur Frage der Aetiologie und Behandlung der Migräne. Zahnärztl. Rdsch., 1943, **52**: 929–34.—**Pulsifer, L.** Migraine; a common-sense approach. Am. J. Digest. Dis., 1935–36, **2**: 397–401.—**R., A.** Jaqueca. Prensa méd. argent., 1946, **33**: 2340–2.—**Renaudin, H., Bernard, L., & Dumazer, R.** Migraine et hypertension passagère par lésion urétérale unilatérale. Rev. gén. méd. chir. Union fr., Alger, 1948, **25**: 611–7.—**Reymond, J. C.** La vraie migraine; étiologie et physiologie pathologique. J. prat., Par., 1948, **62**: 439–41.—**Schmitz, K.** Uma contribuição à etiologia e terapêutica da migraine. Med. germ., Rio, 1941–42, **10**: 513–5.—**Schorn, J.** Die Aetiologie und Therapie der Migräne nach dem Schrifttum der letzten Jahre. Fortsch. Neur. Psychiat., 1939, **11**: 276–86.—**Segrest, G. O.** Etiology and treatment of migraine, with report of case. J. M. Ass. Alabama, 1932, **2**: 232–5.—**Slater, J. K.** Symposium on headache as a symptom; migraine. Edinburgh M. J., 1948, **55**: 173–5.—**Thaler, W. H.** Observations on the probably basic etiology of migraine. Am. Med., 1936, **42**: 558–64.—**Wöhrmann, W.** Die Migräne als Symptom einer Organerkrankung. Wien. med. Wschr., 1940, **90**: 371–3.

—— Forensic aspect.

Grunert, K. Bewertung der Migräne als Ehehindernis. Münch. med. Wschr., 1941, **88**: 22.

—— fronto-basilary.

See also **Hemicraniosis.**

Lunedei, A. Sulle flogosi croniche fronto-basilari iperergiche. p.81–142. 26½cm. Fir., 1948.

In: Riv. clin. med., 1948, **48**:

Belloni, G. B. A proposito di flogosi fronto-basilari. Riv. clin. med., 1948, **48**: 143–7.—**Rubino, A.** Segni e sintomi oculari nelle meningo-endocraniosi. Riv. otoneur., 1948, **23**: 23–36.—**Salotti, A.** La flogosi cronica fronto-basilare nel quadro roentgen. Riv. clin. med., 1948, **48**: 148–61.

—— Heart.

See also **Angina pectoris; Heart rate,** Paroxysmal tachycardia.

Bertagnoni. Tachycardie paroxystique à la suite de migraine. Rev. neur., Par., 1925, **32**: pt 2, 773–5.—**Dalsgaard-Nielsen, T.** Migræne og paroxysmatisk tachycardi. Nord. med., 1948, **37**: 28.—**Fitz-Hugh, T.**, jr. Precordial migraine; an important form of angina innocens. Internat. Clin., 1940 n. ser., **1**: 141–7.

—— hemiplegic.

See also subheading Nervous system.

Roger, H., & Alliez, J. Les migraines hémiplégiques. Rev. neur., Par., 1936, **65**: 1423–32.—**Roger, H., & Mouren, P.** Crises de migraines accompagnées de dysesthésie cheiro-orales, de paralysie brachiale droite et d'aphasie, d'origine spécifique chez un hépatique par ailleurs gaucher. Rev. otoneur., Par. 1947, **19**: 229.

—— Heredity.

Allan, W. The inheritance of migraine. Arch. Int. M., 1928, **42**: 590–9. Also Eugen. News, 1928, **13**: 100.—**Bell, J.** On the inheritance of migraine; a preliminary note. Ann. Eugen., Cambr., 1933, **5**: 311–25.—**Eichler-Oheim, L.** Die Migräne. Fortsch. Erbpath., 1943–44, **7**:–8: 1–29.—**Faroy, G.** Le rôle du foie dans la migraine. Prat. méd. fr., 1935, **16**: 92–101.—**Jiménez Díaz, C.** La neurodistonía migranoide como ejemplo de herencia de cualidades de reacción. An. Inst. invest. méd., Madr. (1937–41) 1942, **1**: 183–8. ——— & **Oya, J. C. de.** Sobre la neurodistonía migranoide y su transmisión hereditaria, herencia de la jaqueca. Ibid., 189–207.—**Matzdorff, P.** Erblichkeitsfragen im Migränekreise. Nervenarzt, 1940, **13**: 529–37. ——— Einelige Migränezwillinge. Ibid., 1942, **15**: 204–8.—**Schachter, M.** Etude généalogique d'une fratrie atteinte de migraine et de gaucherie. Médecin fr., 1947, **7**: 225. Also Praxis, Bern, 1947, **36**: 588–90.

—— Histamine headache.

See also subheading (Treatment: Histamine)

Alford, R. L., & Whitehouse, F. R. Histaminic cephalalgia with duodenal ulcer. Ann. Allergy, 1945, **3**: 200–3.—**Autio, L., & Ermala, P.** Determination of histamine in cerebrospinal fluid in some neuro-psychiatric cases. Ann. med. exp. biol. fenn., 1949, **27**: 87–101.—**Brewerton, D. A.** Histamine and headaches. McGill M. J., 1945, **14**: 51–61.—**Briceño Maaz, T.** Cefalalgia histamínica. Rev. Soc. méd. quir. Zulia, 1941, **15**: 1377–9.—**Brown, C. Y., & Cline, C. A.**, jr. A review of histamine cephalgia with a report of five cases. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 7, 46–53.—**Cattaneo, R.** La cefalea provocata da istamina negli allergici. Arch. sc. med., Tor., 1949, **88**: 539–54.—**Caughey, J. E.** Histaminic headache; Horton's syndrome; case report. N. Zealand M. J., 1947, **46**: 531.—**Cronholm, B.** Allergi, histaminöverkänslighet och histaminbehandling vid olika former av huvudvärk, spec. migrän. Nord. med., 1944, **22**: 865–70.—**Dalsgaard-Nielsen, T.** Histaminhovedpine. Ugeskr. laeger, 1945, **107**: 377.—

Dixon, O. J. The use of histamine in the diagnosis and treatment of headache. Kansas City M. J., 1948, **24**: 11.—**Dooner, H., & Anwandter, J.** Síndrome de Horton. Rev. méd. Chile, 1945, **73**: 436–40.—**Ekbom, K. A.** Ergotamine tartrate orally in Horton's histaminic cephalalgia; also called Harris's ciliary neuralgia; a new method of treatment. Acta psychiat. neur., Kbh., 1947, Suppl. 46, 105–13.—**Eszényi-Halasy, M.** La céphalée histaminique. Gior. med. mil., 1948, **95**: 453–8. Also Brit. M. J., 1949, 1: 1121–3.—**Fisher, R. L.** Histaminic cephalalgia; with case reports. Bull. Alexander Blain Hosp., 1944, **3**: No. 2, 17–9.—**Friedman, A. P., & Brenner, C.** Post-traumatic and histamine headache. Arch. Neur. Psychiat., Chic., 1944, **52**: 126–30.—**Goodman, E. G., & Coonrad, R. W.** Prophylactic effect of benadryl on experimental histamine headache. J. Allergy, 1947, **18**: 402–7.—**Graña, A.** Cefalalgia histamínica de Horton. Arch. urug. med., 1943, **22**: 553–7.—**Guzmán, R., & Serani, H.** Síndrome de Horton. Rev. méd. Chile, 1949, **77**: 284–9.—**Hajós, M.** Histamin-fejfájás és allergia. Orv. hetil., 1950, **91**: 235–7.—**Hamilton, H. S.** Histamine cephalalgia with report of two cases. J. Canad. M. Serv., 1946–47, **4**: 154–7. Also Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 5, 43–7.—**Higgins, W. H.** Histaminic cephalalgia with specific therapy. Virginia M. Month., 1944, **71**: 578.—**Horton, B. T.** Histaminic cephalalgia resulting in the production of acute duodenal ulcer. Proc. Centr. Soc. Clin. Res., 1942, **15**: 29.—**Hug, E.** Histamina y hemicrania. Medicina, B. Air., 1945–46, **6**: 100–2.—**Lee, J. H.,** jr. Use of benadryl in histamine headache; report of a case. U. S. Nav. M. Bull., 1949, **49**: 94–6.—**Lieder, L. E.** Histaminic cephalalgia and migraine. Ann. Int. M., 1944, **20**: 752–9.—**Little, A. H.** Histaminic cephalalgia. Mississippi Doctor, 1942–43, **20**: 392–400.—**Martinetti, R., & Pini, E.** La stimolazione meccanica del ganglio sfenopalatino è capace d'interrompere la cefalea istaminica provocata. Clin. otorinolar., Roma, 1949, **1**: 191–200.—**Mířatský, Z., & Starý, O.** O účasti histaminu v pathogenese záchvatu migreny. Neur. & psychiat. česká, 1948, **10**: 34–54.—**Moss, H. K.** Histamine and headache. Cincinnati J. M., 1947, **28**: 17–22.—**Pai, M. N.** Relation of histamine headache to post-contusional and psychogenic headache. J. Ment. Sc., Lond., 1945, **91**: 213–6.—**Quirno, N., Sallares, S. A., & Odoriz, J. B.** Cefalea histamínica. Día méd., B. Air., 1942, **14**: 1180–4.—**Roberg, N. B.** A case of probable intracranial aneurysm associated with the syndrome of histaminic cephalalgia. J. Am. M. Ass., 1944, **124**: 566–8.—**Salinger, S.** Histamine in certain types of headache. Wisconsin M. J., 1948, **47**: 382–5.—**Scarborough, A. M.** Case report of histaminic cephalalgia. Bull. Greenville Co. M. Soc., 1941, **4**: 179–81.—**Storch, T. J. C.** Relation of experimental histamine headache to migraine and non-migraine headache. Collect. Papers Dep. Nerv. Harvard M. School, 1941, **11**: No. 57, 1–7.—**Swanson, L. W.** Histaminic cephalalgia; report of a case. J. Allergy, 1944, **15**: 144–6.—**Walker, R. P.** Histamine cephalalgia. Memphis M. J., 1946, **21**: 88.—**Wilhelm, S. K.** Histaminic cephalalgia; a case report. Rocky Mountain M. J., 1945, **42**: 360–2.—**Witkowski, J. L.** Histamine headache. J. M. Soc. N. Jersey, 1948, **45**: 69.

—— History and iconography.

Alvarez, W. C. Was there sick headache in 3000 B. C.? Gastroenterology, 1945, **5**: 524.—**Bartholin, T.** Hemicrania periodica. Misc. med. phys. Acad. natur. curios. germ., Par., 1672, **1**: 138.—**DeJong, R. N.** Migraine; personal observations by physicians subject to the disorder. Ann. M. Hist., 1942, 3. ser., **4**: 276–83.—**Didsbury, G.** Considérations sur la migraine d'après Arétée de Cappadoce. Bull. Soc. fr. hist. méd., 1936, **30**: 260–7.—**Van Rampaey.** Oh, ma tête! ma pauvre tête [Caricature] In: Mémento thér., Par., 1946, 55.

—— Liver, and biliary tract.

GLATTER, L. *Contribution à l'étude de la migraine biliaire et son traitement. 40p. 8° Par., 1937.

LEFRANÇOIS, R. *L'insuffisance hépatique, facteur étiologique de la migraine. 52p. 8° Par., 1925.

Brulé, M., & Pestel, M. Les migraines et leurs rapports avec les affections de la vésicule biliaire. Bull. Acad. méd., Par., 1946, **130**: 590–2.—**Bullrich, R. A.** Tratamiento de la jaqueca de origen hepático por el drenaje clínico. Día méd., B. Air., 1933–34, **6**: 977–9.—**Caroli, J.** La migraine préictérique. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., **54**: 204–8. ——— **Paraf, A., & Alliot, M.** Contribution à l'étude physiopathologique du rôle du foie dans les migraines. Ibid., 1949, **65**: 670–88. Also Sem. hôp., Par., 1949, **25**: 1743–52.—**Chiray, M., & Lomon, A.** Sur la migraine biliaire et son traitement par le drainage médical des voies biliaires. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., **51**: 932–8. Also J. méd. Paris, 1927, **46**: 756–8. ——— **& Triboulet, F.** Les migraines biliaires et leur traitement. Gaz. méd. France, 1930, 271–5.—**Diamond, J. S.** Liver dysfunction in migrain; with a report of 35 cases. Am. J. M. Sc., 1927, **174**: 695–702.—**Etienne, G., & Collesson, L.** Les migraines; rôle du foie dans leur pathogénie; leur traitement par la thérapeutique hépatique. Bull. Soc. méd. hôp. Paris, 1935, 3. ser.; **51**: 182–8. ——— Etude documentaire sur le substratum et le traitement hépatiques de la migraine. Rev. méd. est, 1935, **63**: 237–57.—**Faroy, G.** Le rôle du foie dans la migraine. Progr. méd., Par., 1934, 1241–7.—**Guillaume, A. C.** Etudes sur la physifo pathologie de la migraine; la place de l'élément hépato-digestidans la maladie migraineuse. Arch. mal. app. digest., Par., 1937, **27**: 82–9.—**Hunt, T. C.** Bilious migraine; its treatment with bile salt preparations. Lancet, Lond., 1933, **1**: 279–85.—**Jiménez Díaz.** Jaqueca y colecistopatía. An. Clín. Jiménez Díaz, Madr. (1932–33) 1934, **5**: 645–8.—**Léopold-Lévi.** A propos des migraines hépato-hypophysaires. Bull. Soc. méd. Paris, 1928, 474.—**Lyon, D. M.** Migraine and biliousness. Edinburgh M. J., 1940, **47**: 177–91.—**Marshall, W.** Simple migraine; a modification of the gallbladder theory of causation. Gen. Pract., Los Ang., 1947, **10**: No. 12, 13.—**Migräne** durch Leberstörung; ein neuer Forschungserfolg. Mitt. Biochem., 1938, **45**: 123.—**Morlock, C. G., & Alvarez, W. C.** Has disease of the liver anything to do with the causation of migraine? J. Am. M. Ass., 1940, **114**: 1744.—**Parturier, G.** Séméiologie hépato-biliaire de la migraine. Rev. méd. chir. mal. foie, 1937, **12**: 5–24.—**Pasteur Vallery-Radot, L., & Blamoutier, P.** Traitement de certaines migraines par les tubages duodénaux, indications; résultats. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., **51**: 925–32.—**Pierson, C. A., & Collesson, L.** Le facteur hépatique de base dans la migraine essentielle et son traitement; à propos de 250 cas. Maroc méd., 1947, **26**: 404–8.—**Tiprez, J.** La migraine vésiculaire; étude clinique et radiologique. Echo méd. Nord, 1934, 3. ser., **1**: 297–308, 4 pl.

—— Manifestations.

See also **Aphasia; Angioneurotic edema; Nausea; Vertigo; Vomiting,** etc.

Balyeat, R. M. Symptomatology of migraine. Proc. Balyeat Clin., Oklahoma, 1934, **3**: No. 3, 6–11.—**Bonhoeffer, K.** Dauerausfallserscheinungen bei Migräne. Deut. med. Wschr., 1940, **66**: 521–3.—**Butler, T. H.** Uncommon symptoms of migraine. Tr. Ophth. Soc. U. K. (1941) 1942, **61**: 205–21.—**Carp, E. A. D. E.** Migraine en periodieke ontstemmingstoestanden. Ned. tschr. geneesk., 1944, **88**: 418–20.—**Chaves Velando, L. A.** Síndrome intercalar de las crisis jaquecosas. Actas Jornad. neuropsiquiát. panamer. (1939) 1940, 2. reun., **2**: 80–8.—**Didsbury, G.** Quelques considérations au sujet de la migraine. Odontologie, Par., 1931, **69**: 254–9.—**Goldbaum, R. C., & O'Connor, J. H.,** jr. The migraine syndrome; a review. Tufts M. J., 1949–50, **17**: 16–20.—**Grimes, E.** The migraine instability. Med. J. & Rec., N. Y., 1931, **134**: 417–22.—**Guillaume, A. C.** La valeur sémiologique de la migraine. Hôpital, 1936, **24**: 640–6.—**Leins.** Zur Symptomatologie und Therapie der Migräne. Schweiz. med. Wschr., 1940, **70**: 766–8.—**McCarthy, D. J., & Keyes, B. L.** Migraine without headache. Tr. Am. Neur. Ass., 1934, **60**: 209.—**Marshall, D.** Migraine syndrome. Univ. West. Ontario M. J., 1949, **19**: 64–77.—**Råman, I.** Fall av paroxysmal ensidig armsmärta hos migränpatient. Nord. med., 1941, **10**: 1825 (Abstr.)—**Sengupta, K. K.** The migraine syndrome. Calcutta M. J., 1947, **44**: 305–15.—**Seyler, L. E.** Migraine associated with purpura, colitis, perennial vasomotor rhinitis and asthma. Proc. Balyeat Clin., Oklahoma, 1935, **4**: 7.—**Shapiro, M. D.** Migraine. Q. Chicago M. School, 1943–44, **4**: No. 3, 6–8.—**Sheppard, W. B.** A layman considers migraine. Ann. Int. M., 1932, **5**: 1532–9.—**Tōyama, T.** Zen-hansin no husyu wo tomonaeru kyōmi-aru hentōtū no iti rei [ein intcressanter Fall von Migräne in Verbindung mit Oedem einer ganzen Körperhälfte] Nippon J. Clin. Angiocard., 1937–38, **3**: 454–8.—**Tripi, G.** Le sindromi emicraniche. Riv. san. sicil., 1936, **24**: 937–47.—**Wiener, E.** Zur Kenntnis der Migräne; Selbstbeobachtung. Med. Klin., Berl., 1928, **24**: 1586–9.—**Wolf, S., & Wolff, H. G.** Intermittent fever of unknown origin; recurrent high fever with benign outcome in a paticnt with migraine, and notes on neurogenic fever. Arch. Int. M., 1942, **70**: 293–302. ——— Intermittent fever occurring for 13 years in a patient with migraine. J. Nerv. Ment. Dis., 1942, **96**: 316–8.

—— menstrual.

See also **Dysmenorrhea.**

DESLANDRES, J. L. M. *Des migraines menstruelles; étude clinique, hypothèses pathogéniques, essai thérapeutique [Paris] 80p. 8° Dijon, 1928.

Alexiu, M., & Vulcănescu, M. Ueber die Pathogenese und Behandlung der Menstruationsmigräne. Arch. Gyn., Berl., 1940, **170**: 60–7.—**Moffat, W. M.** Treatment of menstrual migraine with small doses of gonadotropic extract of pregnancy urine. J. Am. M. Ass., 1937, **108**: 612–5.—**Peters, R.** Tödliche Gehirnblutung bei menstrueller Migräne. Beitr. path. Anat., 1934, **93**: 209–18.—**Vignes, H.** Migraines et céphalées menstruelles. Concours méd., 1944, **66**: 261–4.

—— Metabolism.

See also other subheadings (digestive; Urine) also **Carbohydrate metabolism,** Disorders; **Pentosuria.**

Beazell, J., & Crandall, L. A., jr. Blood purine derivatives in migraine. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32**: 1450.—**Bongini, O.** Mutamenti biochimici nell'emicrania. Settimana med., 1949, **37**: 312–5.—**Castro Barbosa, N. de.** Equilibrio acido-basico na enxaqueca. Brasil méd., 1938, **52**: 882–4.—**Franck, E.** Beziehungen zwischen Stoffwechsel und Migräne. Zschr. klin. Med., 1937, **132**: 623–30.—**Girard, J., & Collesson, L.** Migraine et perturbations glycémiques. Presse méd., 1939, **47**: 705–7.—**Henszelmann, A.** Ein Fall von Migräne als Störung des Kohlehydratstoffwechsels. Wien. med. Wschr., 1942, **92**: 66.—**Löw, H., & Krčma, H.** Migräne und Stoffwechsel. Med. Klin., Berl., 1934, **30**: 1494–6.—**Myers, V. C., Muntwyler, E.** [et al.] The acid-base balance of the blood in migraine. Proc. Soc. Exp. Biol., N. Y., 1934, **31**: 622. Also J. Laborat. Clin. M., 1936–37, **22**: 877–80.—**Norman, G. F.** Hypocalcemia; its relationship to migraine. J. Am. M. Ass., 1934, **102**: 529–32.—**Palmer, H. D., Scott, D. B. McN., & Elliott, K. A. C.** A note on the blood guanidine level in migraine subjects. J. Laborat. Clin. M., 1942–43, **28**: 735–7.

—— meteorotropic.

See also **Meteoropathology; Weather, Effect.**

Galdi, F. Ueber die meteorotrope Migräne. Med. Klin., Ber., 1940, **36**: 136–40.

—— Nervous system.

See also other subheadings (Autonomic nervous system; Constitution; traumatic)

Dussik, K. T. Zentralnervensystem und Sauerstoffmangel-Belastung. 157p. 24½cm. Wien, 1949.

Forms v.2, Wien. Beitr. Neur.

Cardona, F. Il problema dell'emicrania dal punto di vista neurologicopsichiatrico. Settimana med., 1949, **37**: 324–9.—**Cholerton, M.** The hypothalamus in migraine. Optician, Lond., 1948, **116**: 275–7.—**Dow, D. J., & Whitty, C. W. M.** Electro-encephalographic changes in migraine; review of 51 cases. Lancet, Lond., 1947, **2**: 52–4.—**Frankel, K.** Relation of migraine to cerebral aneurysm. Arch. Neur. Psychiat., Chic., 1950, **63**: 195–204.—**Hyndman, O. R.** Migraine caused by demonstrable pathologic conditions; report of a case with cure by removal of small tumor in calcarine fissure. Arch. Surg., 1939, **39**: 104–7.—**Kennedy, F.** Migraine; a localized intracranial edema. Internat. Clin., 1931, 41. ser., **3**: 200–4. Also in Barker Festschr., 1932, 200–4. ——— Migraine, a symptom of focal brain edema. N. York State J. M., 1933, **33**: 1254–8.—**Matzdorff, P.** Reflektorisch bedingte und reflektorisch ausgelöste Migräneanfälle. Nervenarzt, 1939, **12**: 225–39.—**Richter, H.** Die Migräne. In: Handb. Neur. (Bumke & Foerster) Berl., 1935, **17**: 166–245.—**Riley, H. A.** Migraine. Bull. Neur. Inst. N. York, 1932, **2**: 429–544.—**Roger, H., & Roger, J.** L'électro-encéphalogramme dans les migraines. Rev. otoneur., Par., 1949, **21**: 457–64.—**Salmon, A.** Le rôle du système diencéphalo-hypophysaire dans le mécanisme de la migraine. Arch. neur., Bucur., 1939, **3**: 109–30.—**Schober, W.** Migränesyndrom bei meningealem Konglomeratuberkel der rechten Zentralregion. Allg. Zschr. Psychiat., 1942–43, **121**: 263–7.—**Storch, T. J. C. von, & Merritt, H. H.** The cerebrospinal fluid during and between attacks of migraine headaches. Am. J. M. Sc., 1935, **190**: 226–31.—**Strauss, H., & Selinsky, H.** Electroencephalographic findings in patients with migrainous syndrome. Tr. Am. Neur. Ass., 1941, **67**: 205–8.—**Thurel, R.** Migraine et cortex cérébral. Ann. méd. psychol., Par., 1948, **106**: pt 2, 525. Also Concours méd., 1949, **71**: 114.

—— neuralgic.

Giacomini, J. *Etude sur les rapports de la névralgie faciale avec la migraine. 48p. 25½cm. Par., 1938.

Alajouanine & Thurel, R. Névralgie faciale et migraine. Gaz. méd. France, 1933, 319–21.—**Costello, R. T.** Migraine and trigeminal neuralgia occurring in a neuropathic family. Arch. Neur. Psychiat., Chic., 1940, **43**: 1045.—**Haguenau, J., & Kaufmann, H.** A propos des rapports entre la migraine et les névralgies de la face; les névralgies-migraines. Rev. otoneur., Par., 1939, **17**: 321–6.—**Ziegler, L. H.** Neuralgic migraine. Med. Clin. N. America, 1930, **13**: 1371.

—— occupational.

Allan, W. The relation of occupation to migraine. J. Nerv. Ment. Dis., 1927, **66**: 131.—**Odell, A. G.** Occupation and migraine. Clifton M. Bull., 1931, **17**: 33–7.

—— ophthalmic.

See also other subheadings (ophthalmoplegic; retinal; Vision)

Mekdjian, A. P. *Contribution à l'étude de la migraine ophtalmique. 144p. 8° Par., 1937.

Renard, G., & Mekdjian, A. P. La migraine ophtalmique. 146p. 8° Par., 1937.

Weil, R. *Ueber drei Fälle von Migraine ophtalmique mit längerdauernden Gesichtsfeldausfällen [Heidelberg] 16p. 8° Jena, 1929.

André, Y., & Trelles, J. O. Migraine ophtalmique avec hallucinose, crises oculo-céphalo-gyres et comitiales. Ann. méd. psychol., Par., 1933, **91**: pt 2, 691–4.—**Anton, M.** La migraña oftálmica. Rev. med. cir. Habana, 1929, **34**: 285–96.—**Baude, A.** A propos de certains cas de migraine avec diplopie intermittente et transitoire; essai d'explication pathogénique. J. sc. méd. Lille, 1944, **62**: 164.—**Berger, H.** Selbstbeschreibung eines Falles von Hemicrania ophthalmica. Med. Welt, 1929, **3**: 1439.—**Berkley, W. L., & Gilliam, R. D.** A case of migraine with lesion localized in the visual tract. U. S. Nav. M. Bull., 1948, **48**: 290–8.—**Bonhomme, L.** Migraine ophtalmique unilatérale d'évolution prolongée. Bull. Soc. opht. Paris, 1947, 26–9.—**Boudon, L., & Rouquier, A.** Un cas d'hémihypercrinie postcommotionnelle plus marquée dans la zone innervée par la branche ophtalmique du trijumeau. Bull. Soc. méd. hôp. Paris, 1920, **44**: 732–4.—**Butler, T. H.** Scotomata in migrainous subjects. Brit. J. Ophth., 1934, **18**: 83–7.—**Cantilo, H.** La céphalée dans la migraine ophtalmique. Rev. laryng., Par., 1929, **50**: 428–30. Also Rev. otoneur., Par., 1929, **7**: 639–41.—**Chambers, E. R.** The ocular signs of migraine. Bristol Med. Chir. J., 1926, **43**: 29–37.—**Dedimos.** Pathogénie des photopsies et de la migraine ophtalmique. Arch. opht., Par., 1933, **50**: 677–97.—**Dejean, C.** L'acétylcholine dans la migraine ophtalmique. Presse méd., 1932, **40**: 1950.—**De Logu, A.** Osservazioni cliniche e considerazioni sulla emicrania oftalmica. Boll. ocul., 1928, **7**: 317–29.—**Didsbury.** Migraine ophtalmique. Paris méd., 1929, **71**: 138–42.—**Donahue, H. C.** Migraine and its ocular manifestations. Arch. Ophth., Chic., 1950, **43**: 96–141.—**Drell, M. J.** Ophthalmic migraine. Am. J. Ophth., 1946, **29**: 1024.—**Fridenberg, P.** Migraine and eyestrain. Med. Rec., N. Y., 1941, **153**: 171; **154**: 207. ——— Ocular pathology suggestive of dyscrinism. Ibid., **153**: 443.—**Fuchs, A.** Sobre jaqueca oftálmica. Rev. otoneur., B. Air., 1932, **7**: 281–9. Also Arq. brasil. neur. psiquiat., 1933, **16**: 14–23.—**Gallois, J.** Migraine ophtalmique (scotome scintillant) In: Traité opht., Par., T. 6, 1939, 937–51.—**Garcin, R., & Halbron, P.** Contribution à l'étude des migraines accompagnées et en particulier de la physiopathologie des migraines ophtalmiques accompagnées. Ann. méd., Par., 1934, **36**: 81–114.—**Grunert, K.** Ueber augenbedingte Migräne im Kindes- und Jugendalter. Münch. med. Wschr., 1938, **85**: 1337–41.—**Haskovec, L.** Petit mal et migraine ophtalmique chez des frères jumeaux. Bull. Soc. neur. Paris, 1904, **6**: 351.—**Hebert, E.** Un singulier cas de migraine ophtalmique. Bull. Soc. belge opht., 1930, No. 60, 46–8. Also Scalpel, Brux., 1930, **83**: 577 (Abstr.)—**Hoffman, W. L.** Ophthalmic migraine. J. Lancet, 1945, **65**: 252.—**Holden, F. A.** Migraine as seen by the ophthalmologist. South. M. J., 1947, **40**: 757–60.—**Jelliffe, S. E.** Migraine, ophthalmic. In: Cyclop. Med. (Piersol-Bortz) Phila., 1939, **10**: 155–65.—**Kaech, R.** Un cas de migraine ophtalmique. Rev. méd. Suisse rom., 1942, **62**: 279–84.—**Lashley, K. S.** Patterns of cerebral integration indicated by the scotomas of migraine. Arch. Neur. Psychiat., Chic., 1941, **46**: 331–9.—**Léo & Sédillot.** Migraines ophtalmiques; cellulite; guérison des migraines par les massages spéciaux de la cellulite. Bull. Soc. méd. Paris, 1931, 78–86.—**Monbrun.** L'angiospasme et la migraine ophtalmique. Rev. otoneur., Par., 1928, **6**: 701.—**Moriez, A.** Migraine ophtalmique d'origine traumatique. Ibid., 1936, **14**: 296–8.—**Moskowitz, H. I.** Ophthalmic migraine treated by the Turville technique with low powered base-in prisms; a case report. Am. J. Optometr., 1948, **25**: 542–4.—**Neyroud, M.** La migraine ophtalmique. Praxis, Bern, 1940, **29**: 531–5.—**Parhon, C. J., & Werner, G.** Association de la tétanie à la migraine ophtalmique. Bull. Soc. méd. hôp. Paris, 1926, 3. ser., **1**: 41–7.—**Redslob, E.** Observations tonoscopiques sur la migraine et l'épilepsie. Bull. Soc. fr. opht., 1947, **60**: 208–12.—**Robin, I. G.** The eye in migraine. Guy's Hosp. Gaz., Lond., 1934, **48**: 321; 332.—**Roch.** Migraine amblyopique avec floculation des milieux oculaires. Presse méd., 1937, **45**: 199. Also Rev. méd. Suisse rom., 1937, **57**: 56 (Abstr.)—**Roger, H., Crémieux, A.** [et al.] Migraines ophtalmiques accompagnées de déviation conjuguée de la tête et des yeux, après encéphalite typhoïdique. Rev. otoneur., Par., 1937, **15**: 54–7.—**Sánchez, L. J.** Complicaciones neuro-psíquicas cutáneas y articulares en el curso de una jaqueca oftálmica. An. neuropsiq., Bogotá, 1949, **3**: 880–98.—**Schultze, F.** Zur Lehre von der Migräne, besonders der Augenmigräne. Deut. Zschr. Nervenh., 1927, **100**: 1–33.—**Sison, A. B. M.** Ophthalmic migraine of allergic origin. J. Philippine Islands M. Ass., 1933, **13**: 250–6.—**Terrien, F.** Valeur séméiologique de la migraine ophtalmique. Progr. méd., Par., 1930, 957–62.—**Toporkov, N. N.** [Ophthalmic migraine] J. nevropat. psikhiat., Moskva, 1925, **18**: 29–34.—**Urechia, C. L., & Apostol, O.** Migraine ophtalmique et hydrocéphalie. Arch. internat. neur., Par., 1928, 21. ser., **2**: 49–53.—**Vaz, A.** Migraine ophtalmica n'uma creança de trez annos e meio. Porto med., 1906, **3**: 368–70.—**Verhoeff, F. H.** Recurring attacks of concomitant exotropia, each followed by transient esotropia; migraine the probable cause. Tr. Am. Ophth. Soc., 1943, **41**: 282–92. Also Arch. Ophth., Chic., 1943, **30**: 727–31; Disc., 1944, **32**: 153.—**Wacek, S.** [Ophthalmic migraine] Lek. wojsk., 1932, **20**: 841–8.—**Walker, V. B.**

Allergic conditions of the eye; migraine. Brit. J. Ophth., 1948, **32**: 764–7.—**Wegner, W.** Augenspiegelbefunde bei Migräne. Klin. Mbl. Augenh., 1926, **76**: 194–202.— **Wibo.** La migraine ciliaire. Bull. Soc. belge opht., 1937, No. 75, 66–70.

—— ophthalmoplegic.

See also other subheadings (ophthalmic; Surgery)

Agnello, F. Sopra cinque casi di emicrania oftalmoplegica; studio clinico. Riv. otoneuroft., 1929, **6**: 405–45.—**Behmack, C.** Zur Kenntnis der ophthalmoplegischen Migräne. Zschr. ges. Neur. Psychiat., 1928, **114**: 264–80.—**Bierman, B. N., & Weinberg, I. S.** [Case of ophthalmoplegic migraine of traumatic origin] Vrach. delo, 1935, **18**: 379–82.—**Bouman, L.** [Ophthalmoplegic migraine] Ned. tschr. geneesk., 1934, **78**: 2182–7.—**Brückner, R.** Ueber ein bisher nicht beschriebenes oculares Symptom bei Migraine ophthalmoplégique. Ophthalmologica, Basel, 1941, **101**: 91–5.—**Bürki, E.** Zur Kenntnis der ophthalmoplegischen Migräne. Confinia neur., Basel, 1941–42, **4**: 54–80.—**Bussola, E.** Contributo allo studio dell'emicrania oftalmoplegica. Osp. maggiore, Milano, 1928, **16**: 407–14.—**Ch'eng, Y. L.** Ophthalmoplegic migraine; report of a case. Nat. M. J. China, 1930, **16**: 255–8, pl.—**Costa Rodrigues, I., & Colares, J. V.** Enxaqueca dita ophtalmofacioplegica. Arch. brasil. med., 1930, **20**: 51–71, pl.—**Daily, R. K.** Ophthalmoplegic migraine. Texas J. M., 1940–41, **36**: 802–6.—**Dereux, J., & Berny, L. de.** Paralysie périodique de la troisième paire évoluant par poussées douloureuses depuis quinze ans; contribution à l'étude de la migraine ophthalmoplégique. J. sc. méd. Lille, 1943, **61**: 405–8.—**Ehlers, H.** On the pathogenesis of ophthalmoplegic migraine. Acta psychiat. neur., Kbh., 1928, **3**: 219–25. Also Rev. otoneur., B. Air., 1929, **4**: 255–60.—**Elliot, A. J.** Ophthalmoplegic migraine; with report of a case. Canad. M. Ass. J., 1940, **43**: 242–4.—**Foucaud, P.** Un cas de migraine ophtalmo-hémiplégique d'origine syphilitique. Bull. méd., Par., 1938, **52**: 426.—**Gerini, C.** Sopra un caso di emicrania oftalmoplegica. Cervello, 1927, **6**: 197–208.—**Goel, D. N.** Migraine ophthalmoplegia, unilateral. Antiseptic, Madras, 1949, **46**: 770, illust.—**Grewel, F.** [Ophthalmoplegic migraine] Ned. tschr. geneesk., 1934, **78**: 4243–6.—**Hansen, K., & Peters, E.** Symptomatologie und Pathogenese eines Falles von Migraine ophthalmique associée, Charcot; Syndrom der Arteria chorioidea anterior. Klin. Mbl. Augenh., 1940, **105**: 521–42.—**Harlowe, H. D.** Ophthalmoplegic migraine; report of a case. Arch. Ophth., Chic., 1941, **26**: 1058–62.—**Kennedy, F.** A case of ophthalmoplegic migraine, and a theory for its production. J. Nerv. Ment. Dis., 1946, **104**: 89–91. Also Arch. Neur. Psychiat., Chic., 1947, **57**: 255–7.—**Longo, P. W., Pinto Pupo, P., & Lemmi, O.** Enxaqueca oftalmoplégica; estudo clínico e eletrencefalográfico de dois casos. Arq. neuropsiquiat., S. Paulo, 1948, **6**: 178–88.—**Macintosh, A. W., & Anderson, A. G.** Migraine and ophthalmoplegic migraine. In: Oxford Med. (Christian, H. A., ed.) N. Y., **6**: 1940, 917–35.—**Mackay, R. P.** Ophthalmoplegic migraine. Am. J. Ophth., 1929, 3. ser., **12**: 889–95.—**Morello, G.** Sopra due casi di aneurisma della carotide interna con sindrome di emicrania oftalmoplegica. Atti Accad. med. lombardo, 1940, **29**: 493–501.—**Nyquist, B., Refsum, S. B., & Torkildsen, A.** [Infraclinoid aneurysm of the internal carotid artery; hemicrania ophthalmoplegica] Nord. med., 1939, **3**: 2325–35.—**Pákozdy, K.** [Unusual cases of ophthalmoplegic migraine] Orv. hetil., 1928, **72**: 1156–8. Also Klin. Wschr., 1929, **8**: 216.—**Pandelsco & Dumitresco-Mante.** Un cas de migraine ophtalmoplégique fébrile avec hémianopsie bitemporelle. Bull. Soc. méd. hôp. Bucarest, 1927, **9**: 23–8.—**Peyrecave, J. de.** Qu'est-ce que la migraine? migraine ophtalmique, migraine ophtalmoplégique? Méd. internat., Par., 1935, **43**: 330–6.—**Refsum, S.** [Migraine ophthalmoplégique] Nord. med., 1940, **8**: 1885–8.—**Roger, H., Sédan, J., & Duplay.** Paralysies récidivantes, souvent alternantes, du moteur oculaire commun et migraine ophtalmoplégique. Rev. otoneur., Par., 1947, **19**: 129–43.—**Schachter, M.** A propos d'un cas de migraine ophthalmoplégique. Arch. méd. chir. province, 1935, **25**: 191–3. Also Riforma med., 1935, **51**: 679.—**Sedláčková, E.** [Ophthalmoplegic migraine] Cas. lék. česk., 1926, **65**: 603–5.—**Sjöqvist, O.** Ueber intrakranielle Aneurysmen der Arteria carotis und deren Beziehung zur ophthalmoplegischen Migräne. Nervenarzt, 1936, **9**: 233–41.—**Smith, H. B.** Ophthalmoplegic migraine, with a report of 2 cases. Tr. Indiana Acad. Ophth. Otolar., 1942, **26**: 52–63.—**Sorsby, A.** Ophthalmoplegic migraine. Proc. R. Soc. M., Lond., 1936–37, **30**: 387.—**Sudo, I.** A case of hemicrania ophthalmoplegia and a case of polyneuritis cerebralis menieriformis. Bull. Nav. M. Ass., Tokyo, 1939, **28**: 69.—**Susman, E.** Migraine ophthalmoplégique (Charcot) Med. J. Australia, 1929, **2**: 793.—**Suzuki, S.** Gankin-mahi-sei henzutū (Charcot) no iti rei, toku-ni sono rinsyō-syōzyō ni kan-suru tiken hoi. Rinsyo ganka, 1948, **2**: 205–11.—**Townsend, T. H. D.** Ophthalmoplegic migraine. Tr. Ophth. Soc. U. K., 1930, **50**: 642.—**Villefont, H., & Chaptal, J.** La migraine ophtalmoplégique. Gaz. hôp., 1942, **115**: 233–6.—**Vogelsang, K.** Zur Klinik der ophthalmoplegischen Migräne. Zschr. Augenh., 1932, **77**: 328–33.—**Wander, L.** [Pathogenesis and treatment of ophthalmoplegic migraine] Warsz. czas. lek., 1935, **12**: 331; 353.—**Yokoti, Y.** Ein Fall von rezidivierender Okulomotoriuslähmung oder Migraine ophthalmoplégique. Acta Soc. ophth. jap., 1940, **44**: 30.

—— Pathogenesis.

See also subheading Etiology.

Elkind, M. D. *Die Pathogenese der Migräne (eine Uebersicht über die Erklärungsversuche des hemikranischen Syndroms) [Basel] 26p. 8° Mulhouse, 1936.

MargulièS, P. *Etude pathogénique de la migraine. 47p. 8° Par., 1934.

Pasteur Vallery-Radot, J. L., Hamburger, J., & Blamoutier, P. Les migraines; étude pathogénique, clinique et thérapeutique. 231p. 8° Par., 1935.

Barros, M. de. Etio-patogenia da enxaqueca. Arch. biol., S. Paulo, 1938, **22**: 184–6.—**Diamond, J. S.** Migraine; pathogenesis and treatment. Med. Rec., N. Y., 1934, **139**: 634–8.—**Guillaume, A. C.** Etude du mécanisme physiopathologique de la migraine; la facteur intestinal et hépatobiliaire. Arch. mal. app. digest., Par., 1935, **25**: 1101–3.—**Hamaoka, Z.** Henzu-tū hossa no ni syōrei; hu, migraine oyobi Ménière's disease no hassei-kiten ni tuite [two cases of migraine spasms; the mechanism of the development of migraine and of Ménière's disease] Rinsyo naika syonika, 1949, **4**: 497–500.— **Harris, W.** Migrainous, ciliary, and post-traumatic dural headaches. Brit. M. J., 1946, **1**: 754–7.—**Henriksen, K. Z.** Migraine; its pathogenesis and treatment with hypophysis extract. Acta psychiat. neur., Kbh., 1933, **8**: 701–21.—**Kerppola, W.** Ueber die Entstehung und Eiweissbehandlung der Migräne. Mschr. Psychiat., 1926, **61**: 83–92.—**Marcussen, R. M., & Wolff, H. G.** A formulation of the dynamics of the migraine attack. Psychosomat. M., 1949, **11**: 251–6. ——— Effects of carbon dioxide-oxygen mixtures given during preheadache phase of the migraine attack; further analysis of the pain mechanisms in headache. Arch. Neur. Psychiat., Chic., 1950, **63**: 42–51.—**Matzdorff, P.** Formenreichtum und Grenzen des Migränekreises. Nervenarzt, 1937, **10**: 497–508.—**Oehnell, H.** Hemicrania-migraine; cephalalgia paroxysmalis essentialis; paroxysmal headache. Acta psychiat. neur., Kbh., 1947, Supp. 46, 370–80.—**Pasteur Vallery-Radot & Hamburger, J.** Pathogénie de la migraine. Biol. méd., Par., 1934, **24**: 235–68.—**Pfleiderer, A.** Zur Migränefrage. Hippokrates, Stuttg., 1940, **11**: 129.—**Rowbotham, G. F.** The pain pathways in migraine. Brit. M. J., 1942, **2**: 685–7.—**Savulesco, A.** La zone migrainogène; une nouvelle conception pathogénique de la migraine. Rev. sensib. immun., Bucur., 1935, **1**: 32–43, 2 pl.—**Sédillot, J.** Quel est le substratum anatomique de la migraine? Monde méd., 1929, **39**: 1075–84.

—— Pathology.

Carmichael, F. A. Migraine; a review of current opinion on its pathology and treatment. J. Kansas M. Soc., 1943, **44**: 333–6.—**Fainer, R.** Quantitative studies on a case of migraine. Am. J. Digest. Dis., 1938–39, **5**: 189–91.—**Gayley, C. T.** A study of migraine. J. Nerv. Ment. Dis., 1941, **94**: 542–61.—**Matzdorff, P.** Grundlagen zur Erforschung und Behandlung von Anfällen des Migränekreises. Hippokrates, Stuttg., 1941, **12**: 953–7.—**Owen, T.** Migrainous disorders of the smooth muscle system. Canad. M. Ass. J., 1949, **60**: 7–11.—**Vaughan, W. T.** Modern methods in the study of migraine. J. Lancet, 1936, **56**: 127–30.

—— Photomigraine.

Sédan, J., & Sédan-Bauby, S. Photomigraines. Rev. otoneur., Par., 1948, **20**: 285–95.

—— Physiopathology.

Aznar-García, J. Las cefaleas; bases fisiopatológicas para su estudio. Inform. méd. quir., Zaragoza, 1950, 1–8.—**Bradley, B.** Glucose D and low blood pressure of migraine. Med. J. Australia, 1941, **2**: 526.—**Christiansen, V.** [Physiopathology of migraine] Hospitalstidende, 1934, **77**: 605–11. Also Fol. neuropath. eston., 1936, **15**:–**16**: 340–8. Also Acta psychiat. neur., Kbh., 1937, **12**: 45–54.—**Dun, C. W.** Glucose D and low blood pressure of migraine. Med. J. Australia, 1941, **2**: 579.—**Gans, M.** The interrelationship of sleep and migraine; an attempt of casual therapy. Acta med. orient., Jerusalem, 1943, **2**: 97–104.—**Greppi, E.** Ai margini dell'emicrania; collegamenti con la patologia nervosa, digestiva, vascolare. Settimana med., 1949, **37**: 299–308.—**Lackey, R. W.** The physiology of migraine. Dallas M. J., 1946, **32**: 5–9.—**Miranda, F. d. P.** El dolor en la jaqueca. C. A. M. E. P., Méx., 1936, **1**: 82.—**Redisch, W., & Pelzer, R. H.** Capillary studies in migraine; effect of ergotamine tartrate and water diuresis. Am. Heart J., 1943, **26**: 598–609.—**Saloz, C.** La migraine. In: Douleur &c. (Genève Univ.) Genève, 1944, 495–509.—**Scott, J. W.** The natural history of migraine. Canad. M. Ass. J., 1941, **45**: 543–5.

—— pituitary.

See also subheading (Endocrine aspect)

Meyer, A. *Migraine et hypophyse. 71p. 25½cm. Nancy, 1935.

Drouet, P. L., Mathieu, L., & Collesson, L. Excrétion dans l'urine de principes hypophysaires au cours de la migraine. Bull. Soc. méd. hôp. Paris, 1933, 3. ser., **49**: 1485–9. ——— Migraine et hypophyse. Rev. fr. endocr., 1934, **12**: 137–62.—**Etienne, G., & Drouet, P. L.** [Rôle of the pituitary body in migraine] Ter. arkh., 1934, **12**: No. 6, 86–9. ——— **& Gault.** Modifications du champ visuel et hyperpituarisme dans un cas de migraine. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., **50**: 271–3.—**Halloran, R. O.** Migraine; a pituitary study. West Virginia M. J., 1939, **35**: 233–6.—**Langeron, L.** Un cas de migraine hypophysaire. J sc. méd. Lille, 1940, **58**: 152–4.—**Nutt, A. B.** Migraine associated with a lesion of the pituitary body. Tr. Ophth. Soc. U. K., 1933, **53**: 626.—**Sédillot, J.** Preuves anatomiques et cliniques du mécanisme hypophysaire de la migraine ophtalmique et de la migraine ophtalmoplégique. Arch. opht., Par., 1930, **47**: 209–18. ——— Preuves du mécanisme hypophysaire de la migraine ophtalmique, tirées de l'anatomie et de l'observation clinique. Clinique, Par., 1930, **25**: 113–5.—**Timme, W.** Migraine; a critique of the hypophyseal theory. Proc. Ass. Res. Nerv. Ment. Dis. (1936) 1938, **17**: 572–89. Also Bull. Neur. Inst. N. York, 1936, **5**: 437–52.

—— precordial.

See subheading Heart; also **Angina pectoris.**

—— Prevention.

See also subheading (Treatment: Cyanate)

James, A. K. Prevention of migraine by oral administration of carbachol; an analysis of 12 cases. Brit. M. J., 1945, **1**: 663.—**Riggs, C. E.** Calcium lactate as a preventive in migraine. Minnesota M., 1926, **9**: 87.—**Rønne, H.** Migraeneprofylakse. Nord. med., 1945, **28**: 2208.

—— Prognosis.

Critchley, M. Prognosis in migraine. Lancet, Lond., 1936, **2**: 35.—**O'Sullivan, M. E.** Migraine is curable. Clin. Med., 1947, **54**: 332.

—— Psychiatric aspect.

See also **Dream state; Psychosis,** Etiology.

Ebaugh, F. G. Neuropsychiatric case report. J. Mil. M. Pacific, 1945, **1**: No. 4, 46–50.—**Elliot, R. H.** Migraine and mysticism. Postgrad. M. J., Lond., 1932, **8**: 449–59.—**Ferrio, C.** Das Fortlaufen als seltene Erscheinung der Migränepsychose; über zwei klinische Fälle. Allg. Zschr. Psychiat., 1936–37, **105**: 276–80.—**Lewinski, R. J.** The psychometric pattern; migraine. Psychiat. Q., 1945, **19**: 368–76.—**Mayer, W.** Additional notes on the unusual course in certain cases of migraine. Ibid., 1944, **18**: 298–300.—**Nettesheim, F.** Ueber Migräne in psychopathologischer, gerichtsärztlicher und erbbiologischer Beziehung. Med. Klin., Berl., 1939, **35**: 572.—**Niessl von Mayendorf.** Ueber Migränepsychosen. Med. Welt, 1935, **9**: 1687–90.—**Rost.** Ueber migränöse Dämmerzustände. Deut. Militärarzt, 1938, **3**: 162–4.—**Ziegler, L. H.** Unusual migraine with depression. Med. Clin. N. America, 1930, **13**: 1370.

—— Psychoanalysis.

Cárcamo, C. E. Contribución psicoanalítica al conocimiento de la jaqueca. Rev. psicoanál., B. Air., 1945, **2**: 579–92. Also in: Pat. psicosomát. (Rascovsky, A.) B. Air., 1948, 209–22.—**Gutheil, E.** Analyse eines Falles von Migräne. Fortsch. Sexwiss. Psychanal., Wien, 1926, **2**: 104–26. Also Psychoanal. Rev., 1934, **21**: 272–99.—**Tarachow, S.** The analysis of a dream occurring during a migraine attack. Ibid., 1946, **33**: 335–40.

—— Psychosomatic aspect.

CROOKSHANK, F. G. Migraine and other common neuroses; a psychological study. 101p. 16° Lond., 1926.

Fewell, W. S. Psychic migraine; report of a case. Bull. Greenville Co. M. Soc., 1939, **2**: 208–10.—**Fromm-Reichmann, F.** Contribution to the psychogenesis of migraine. Psychoanal. Rev., 1937, **24**: 26–33.—**Gliebe, P. A., Auerback, A., & Aring, C.** Psychosomatic aspects of migraine. California M., 1947, **67**: 196.—**Jensen, M. B.** Some psychological aspects of migraine. Psychol. Rec., 1938, **2**: 403–30.—**Johnson, A. M.** A case of migraine. In: Stud. Psychosomat. M. (Alexander, F.) N. Y., 1948, 522–43.—**Kemali, D.** Sulla cosidetta emicrania psichica. Acta neur., Nap., 1948, **3**: 409–33.—**Pichon-Rivière, E.** Estudo psico-somático da enxaqueca. Impr. méd., Rio, 1947–48, **23**: No. 400, 63–6. Also in: Pat. psicosomát. (Rascovsky, A.) B. Air., 1948, 223–31.—**Schachter, M.** Les formes camouflées de la migraine familiale; un complexe psychosomatique révélé grâce au test de Rorschach. Praxis, Bern, 1947, **36**: 779–81.—**Selinsky, H.** Psychological study of the migrainous syndrome. Bull. N. York Acad. M., 1939, **15**: 757–63.—**Vizioli, R.** L'emicrania psichica. Rass. internaz. clin. ter., 1949, **29**: 26.—**Weber, H.** The psychological factor in migraine. Brit. J. M. Psychol., 1932, **12**: 151–73.—**Weiss, E., & English, O. S.** Migraine; childhood asthma; psychological conflict in regard to mother; help from superficial psychotherapy; case report. In their Psychosomat. Med., Phila., 1943, 455–8.—**Wolberg, L. R.** Psychosomatic correlations in migraine; report of a case. Psychiat. Q., 1945, **19**: 60–70.

—— retinal.

See also subheadings (ophthalmic; Vision)

DOUTARD, A. *Les migraines rétiniennes [Marseille] 67p. 25½cm. Lyon, 1938.

Gallois, J. Migraine ophtalmique et artères rétiniennes. Bull. Soc. opht. Paris, 1937, 197–9.—**Graveson, G. S.** Retinal arterial occlusion in migraine. Brit. M. J., 1949, **2**: 838–40.—**Jousset, P.** Hemicránea retiniana. Rev. homeop., Barcel., 1901, **12**: 32–4.—**Redslob, E.** La tonoscopie rétinienne au service du diagnostic de la migraine et de l'épilepsie franches. Rev. otoneur., Par., 1948, **20**: 362–5.

—— Status hemicranicus.

Allan, W. Status hemicranicus and the frequency of migraine attacks. J. Nerv. Ment. Dis., 1928, **68**: 591–3.—**McClure, C. W., & Huntsinger, M. E.** Paroxysmal headache; observation on the etiology, symptomatology, and treatment of the migrainous state. N. England J. M., 1928, **199**: 1312–7.

—— Surgery.

See also **Sympathectomy; Temporal artery,** Surgery.

ZIEGLER, M. *Migräne und ihre operative Behandlung am Sympathicus [München] 31p. 21cm. Dachau, 1940.

Adson, A. W. Right frontotemporal migraine relieved by surgical methods; report of case. Proc. Mayo Clin., 1934, **9**: 673–6.—**Dandy, W. E.** Treatment of hemicrania (migraine) by removal of the inferior cervical and first thoracic sympathetic ganglion. Bull. Johns Hopkins Hosp., 1931, **48**: 357–61.—**Dickerson, D. G.** Surgical relief of the headache of migraine. J. Nerv. Ment. Dis., 1933, **77**: 42–52.—**Fontaine, R.** Les infiltrations autour de l'artère temporale dans le traitement de la migraine. Presse méd., 1943, **51**: 580.—**Ford, R.** Migraine and chronic headache relieved by drainage of the para-nasal sinuses. Clin. J., Lond., 1944, **73**: 20–4.—**Frouchtman, R.** Tratamiento de la jaqueca con infiltraciones de scurocaína en la región temporal. Medicina, Méx., 1947, **27**: 252–6.—**Leriche, R.** Des migraines fronto-sus-orbitaires; leur traitement par l'injection de novocaïne autour de l'artère temporale superficielle. Progr. méd., Par., 1943, **71**: 203.—**Massart, R.** L'artériotomie temporale comme traitement de la migraine. Presse méd., 1943, **51**: 228. ——— Un cas d'artérite temporale avec migraines traité par la réaction artérielle; guérison. Bull. Soc. chir. Paris (1946) 1947, **37**: 202–4.—**Matzdorff, P.** Heilung von Migränekopfschmerz durch Zahnbehandlung. Klin. Wschr., 1940, **19**: 720.—**Olivecrona, H.** Notes on the surgical treatment of migraine. Acta med. scand., 1947, Suppl. No. 196, 229–38.—**Paillas, J. E., Boudouresques, J.** [et al.] Migraine datant de 38 ans accompagnée depuis 18 mois d'hémiparésie; puis de crises jacksoniennes; essais de traitement par section de l'artère méningée moyenne. Marseille méd., 1946, **83**: 525–8.—**Patzer, R., Derbes, V., & Engelhardt, H.** Periarterial infiltration in diagnosis and treatment of migraine; experimental and clinical experiences with eucupine and procaine hydrochloride. Arch. Surg., 1945, **50**: 296–300.—**Penfield, W.** Operative treatment of migraine and observations on the mechanism of vascular pain. Tr. Am. Acad. Ophth., 1932, 50–64.—**Rowbotham, G. F.** The surgical treatment of migraine. Abstr. Science Libr., Hartford, 1949, **17**: 565. Also Gaz. hôp., 1949, **122**: 598. Also Presse méd., 1949, **57**: 907.

—— traumatic, and postoperative.

See also such terms as **Brain concussion; Head injury.**

WEINBERG, S. *Unfall und Migräne [Basel] 28p. 8° S. Louis, 1931.

Katō, Y. Kyōdo zutū no in wo naseru nyūsi-tokki sakkaizyutu-sō nōhō [eine Zyste der mastoidektomierten Wunde, die hochgradige Migräne hervorrief] Otorhinolaryngologia, Tokyo, 1943, **16**: 112–6.—**Lebourg, L.** Migraine due à une blessure de guerre; guérison après résection de la cicatrice. Rev. stomat., Par., 1942, **43**: 27. ——— Les plaies de la face génératrices de migraine. Concours méd., 1947, **69**: 11.—**Leoni, C.** Jaqueca post-contusiva. Día méd., B. Air., 1943, **15**: 931.—**Matzdorff, P.** Migräneanfälle nach Kopfverletzung. Mschr. Unfallh., 1937, **44**: 600–16.

—— Treatment.

HELP YOUR DOCTOR to help you when you have sick headache, or migraine. 37p. 19cm. N. Y., 1941.

Anersperg, P. Die Migräne und ihre Behandlung. Wien. klin. Wschr., 1942, **55**: 806,—**Burnet, J.** Migraine. Prescriber, Edinb., 1942, **36**: 135.—**Cervía, T.** Tratamiento de la jaqueca. Día méd., B. Air., 1943, **15**: 1196–9.—**Chariar, S. S.**

Migrainc. Antiseptic, Madras, 1948, **45**: 710–2.—**Critchley, M.** The mechanism and treatment of migraine. Practitioner, Lond., 1934, **133**: 54–61. Also Snd M. J., 1935, **8**: 60–4. ——— The treatment of migraine. Brit. M. J., 1935, **2**: 794–6. Also in: Treat. Gen. Pract., 2. ed., Lond., 1938, **2**: 56–62.—**Curschmann, H.** Behandlung migräneartiger Kopfschmerzen bei Blutdruckerhöhung. Med. Welt, 1941, **15**: 1061.—**Derber, V. J., Engelhardt, H. T., & Watters, T. A.** The management of the migraines. South. M. J., 1945, **38**: 533–9.—**Drayer, C. S.** Migraine. In: Cyclop. Med. Surg. (Piersol, G. M.) 1942, Rev. Serv., 402.—**Dussik, K. T.** Zur Kasuistik der Migränebehandlung. Wien. Beitr. Neur., 1949, **2**: 133–9.—**Ekbom, K. A.** Migrän. Nord. med., 1944, **22**: 861–5.—**Engelhardt, H. T., & Derbes, V. J.** The treatment of the migraines. Am. Practitioner, 1946–47, **1**: 392–4.—**Ferguson, F. R.** Migraine and its treatment. Med. Press & Circ., Dubl., 1933, **136**: Suppl. No. 3, p. i-vi.—**Friedman, A. P., & Brenner, C.** Treatment of the migraine attack. Am. Practitioner, 1947–48, **2**: 467–70.—**Gaskill, H. S.** Migraine. In: Cyclop. Med. (Piersol-Bortz) Phila., Serv. Vol., 1941, 412–5.—**Girard, M.** Traitement de la migraine. J. méd. Lyon, 1949, **30**: 373–5.—**Goldkuhl, E.** Behandlingen av migränanfall. Nord. med. tskr., 1935, **9**: 751.—**Goldzieher, M. A.** Treatment of migraine and related headaches. N. York State J. M., 1946, **46**: 516–8.—**Graham, J. R.** Principles of treatment for migraine. Bull. N. England M. Center, 1948, **10**: 241–7. ——— The treatment of migraine. Med. Clin. N. America, 1948, **32**: 1343–55.—**Harry, P. A.** Treatment of migraine. Prescriber, Edinb., 1936, **30**: 74.—**Headache; non-migrainous headache; migraine headache.** Roche Rev., Nutley, 1941–42, **6**: 419; 1942–43, **7**: 1.—**Heindl, J.** O léčbě migrény. Cas. lék. česk., 1920, **59**: 271.—**Heupke, W.** Die Migräne und ihre Behandlung. Med. Klin., Berl., 1938, **34**: 1053–5.—**Hoesslin, H. v.** Die Behandlung der Migräne. Deut. med. Wschr., 1940, **66**: 9–12.—**Jacobsen, R.** Behandling af migraene. Ugeskr. laeger, 1948, **110**: 33.—**Lennox, W. G.** Some new methods in the study and treatment of migraine. J. Nerv. Ment. Dis., 1934, **80**: 205. ——— The treatment of epilepsy and of migraine. N. England J. M., 1940, **222**: 657–61.—**Lyon, G.** Traitement des migraines. Bull. méd., Par., 1929, **43**: 1145–8.—**Marcovitz, E.** Migraine. In: Cyclop. Med. (Piersol-Bortz) Phila., 1937, Serv. Vol., 696; 1938, Serv. Vol., 265; 1939, Serv. Vol., 208.—**Marcussen, R. M., & Wolff, H. G.** Therapy of migraine. J. Am. M. Ass., 1949, **139**: 198–200.—**Martinetti, R.** Orientamenti terapeutici per l'emicrania. Settimana med., 1949, **37**: 316–24.—**Pagniez, P.** Les traitement des migraines. Presse méd., 1935, **43**: 11.—**Palmer, H. D.** Migraine. In: Cyclop. Med. (Piersol-Bortz) Phila., 1937, Serv. Vol., 273; 1941, Serv. Vol., 609.—**Parker, H. L.** Migraine. Practitioner, Lond., 1941, **146**: 249–53.—**Pasteur Vallery-Radot.** Traitement des migraines. Progr. méd., Par., 1934, 1903–11.—**Plicque, A.** Le traitement de la migraine. J. sc. méd. Lille, 1913, **36**: 359–65.—**Podolsky, E.** The treatment of migraine. Med. Rec. Phila., 1949, **162**: No. 5, 11.—**R., J. C.** La vraie migraine; traitement. J. prat., Par., 1948, **62**: 463–7.—**Riley, H. A.** Migraine and its treatment. Bull. N. York Acad. M., 1932, **8**: 717–46.—**Saidman, J.** Céphalées et migraines. Synth. séméi. thér., 1948, **1**: 55–61, &c.—**Schaeffer, H.** Données récentes sur le traitement de la migraine. Presse méd., 1942, **50**: 30–3.—**Schorn, J.** Von der Migräne und ihrer ärztlichen Behandlung. Hippokrates, Stuttg., 1941, **12**: 425–7.—**Schüller, A.** Therapie der Migräne. Wien. klin. Wschr., 1933, **46**: 1058.—**Thomas, J. W.** Treatment of migraine. Virginia M. Monthly., 1948, **75**: 134–6.—**Tratamiento** de la jaqueca. Día méd., B. Air., 1942, **14**: 68.—**Treatment** of hemicrania. Physician's Bull., 1946, **11**: 168–73, incl. pl.—**Treatment** of migraine. Clin. Proc., Cape Town, 1945, **4**: 84.—**Wolff, H. G.** Migraine. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, **2**: 2068–107. ——— Treatment of migraine headache. Mod. Med., Minneap., 1948, **16**: No. 10, 39–42.

—— Treatment: Cyanate.

Engle, D. E., & Evanson, C. O. The effect of potassium thiocyanate on the occurrence of migraine. Am. J. M. Sc., 1942, **204**: 697–703.—**Hines, E. A., jr, & Eaton, L. M.** Potassium thiocyanate in the treatment of migraine; a preliminary report. Proc. Mayo Clin., 1942, **17**: 254–6. Also Proc. Centr. Soc. Clin. Res., 1942, **15**: 17. ——— & **Massie, E.** Treatment of migraine with potassium thiocyanate. J. Am. M. Ass., 1943, **121**: 1307 (Abstr.)

—— Treatment: Diet.

ZWEHL. T. von. Diät bei Rheumatismus, Migräne und einigen anderen Krankheiten. 32p. 21cm. Stuttg., 1950.

Barborka, C. J. Migraine; results of treatment by ketogenic diet in fifty cases. Proc. Mayo Clin., 1930, **5**: 190. Also J. Am. M. Ass., 1930, **95**: 1825–8.—**Földes, E.** Dietetic therapy for migraine. Trained Nurse, 1935, **95**: 348–52. Also Prensa méd. argent., 1949, **36**: 995–9. ——— Migränebehandlung mit kohlehydratarmer Diät. Klin. Wschr., 1939, **18**: 390.—**Gerson, M.** Kochsalz bei Migräne (im Beginn der Diätbehandlung) Verh. Deut. Ges. inn. Med., 1930, **42**: Kongr., 127–33. ——— Diätbehandlung bei Migräne und Lungentuberkulose. Mitt. Volksgesundhamt., Wien, 1932, Aerztl Prax., 252–6.—**Gravano, L.** Jaqueca curada con tratamiento dietético. Día méd., B. Air., 1933–34, **6**: 1075–83.—**Menninger, W. C.** Migraine and its treatment with ketogenic diet. J. Kansas M. Soc., 1931, **32**: 298–301.—**Muck, O.** Ueber den Einfluss des Hungers auf die Krampfanfallsbereitschaft bei der Migräne. Klin. Wschr., 1927, **6**: 693.—**Peritz, G.** Diätbehandlung der Migräne. Ther. Gegenwart, 1930, **71**: 12.—**Podolsky, E.** Eating to the best advantage in migraine. Delaware M. J., 1936, **8**: 10.—**Porges, O.** Die Behandlung der Migräne mit kohlehydratbeschränkter Kost. Med. Klin., Berl., 1937, **33**: 664; 1209.—**Schnabel, T. G.** An experience with a ketogenic dietary in migraine. Ann. Int. M., 1928, **2**: 341–7.

—— Treatment: Drugs.

See also **Migrainin.**

SANDOZ CHEMICAL WORKS. Sandoz pharmacology and therapy. No. 1: Migraine. 32p. 22½cm. N. Y., 1940.

Alvarez, W. C. What to do in a rebellious case of migraine; a list of the drugs being used today. Gastroenterology, 1947, **9**: 754–64.—**Blomberg, H. v.** Migränebehandlung mit dem Verdauungsmittel Gesanit. Münch. med. Wschr., 1937, **84**: 894–7.—**Brentan, E.** Treatment of migraine with dramamine. Rocky Mountain M. J., 1950, **47**: 197.—**Büch, E.** Beitrag zur Behandlung der Migräne mit Bellergal. Zschr. Laryng., 1934, **25**: 177–80.—**Chapuis, J. P.** Migraines, céphalées et sympathicolytiques. Schweiz. med. Wschr., 1948, **78**: 1125–7.—**Drewyer, G. E.** Migraine treatment with chondroitin. J. Michigan M. Soc., 1940, **39**: 486.—**Drugs in the** treatment of migraine. Practitioner, Lond., 1943, **150**: 123.—**Fecht, K. E.** Die Moloidtabletten in der Behandlung der echten Migräne und der Epilepsie. Med. Welt, 1930, **4**: 1837.—**Glusman, R. B.** [Treatment of migraines by intravenous injections of glucose] Klin. med., Moskva, 1940, **18**: No. 5, 146.—**Gottlieb, J. S.** The effect of benzedrine sulfate in migraine; a preliminary report. Am. J. M. Sc., 1942, **204**: 553–9. Also Arch. Neur. Psychiat., Chic., 1942, **48**: 860–2.—**Goudsmit, A.** On the use of tetraethyl ammonium chloride in migraine; a preliminary report. Bull. Mahoning Co. M. Soc., 1949, **19**: 91.—**Grönberg, A.** Belladonnabehandling vid migrän. Nord. med. tskr., 1934, **8**: 1523–5.—**Kallós, P.** Die Therapie der allergischen Krankheiten; Pharmakotherapie der Migräne. In his Fortschr. Allerg., Basel, 1939, 392–5.—**Kochs, J.** Migraenol. Apoth. Ztg, 1905, **20**: 962.—**Leroy, A.** Traitement de la migraine par les injections ntramusculaires de pentaméthylènetétrazol. J. belge neur. psychiat., 1939, **39**: 735–42.—**MacNeal, P. S., & Davis, D.** The use of methyl-iso-octenylamine in migraine. Ann. Int. M., 1947, **26**: 526.—**Marin, R. B.** Theophyllin in the treatment of migraine. J. M. Soc. N. Jersey, 1946, **43**: 274.—**Neugaertner, F.** Saridon bei Migräneanfällen und anderen Schmerzen. Med. Klin., Berl., 1935, **31**: 321.—**Perroni, G. B.** Trattamento dell'emicrania parossistica con cloridrato di paraminobenzoildietil-aminoetanolo per via endovenosa. Riforma med., 1947, **61**: 292. ——— Ulteriore contributo alla terapia delle cefalee accessionali con cloridrato di paraminobenzoildietilaminoetanolo per via endovenosa. Minerva med., Tor., 1949, **40**: pt 2, 557–9.—**Pfeiffer, C., Dreisbach, R. H., & Roby, C. C.** Therapy of migraine by electrolytes affecting the blood volume. J. Laborat. Clin. M., 1944, **29**: 709–14.—**Pilules** contre la migraine. Gaz. san., Par., 1834, **3**: 36.—**Rozanov, N. I.** Kalcieterapiia migreni. Klin. med., Moskva, 1947, **25**: No. 6, 64.—**Scheidegger, W.** Mitteilung über Erfolg mit Sympathisan bei der Behandlung rheumatischer Erkrankungen und bei Migräne. Praxis, Bern, 1949, **38**: 1123–6.—**Schwartz, L.** Impletol bei Migräne. Schweiz. med. Wschr., 1930, **60**: 1183.—**Seltzer, A.** The use of methyl-iso-octenylamine in migraine and related headaches; preliminary report. Med. Ann. District of Columbia, 1948, **17**: 395.—**Serog, M.** Behandlung der Migräne mit intravenösen Strontiuminjektionen. Med. Klin., Berl., 1928, **24**: 1279.—**Slaughter, D.** The pharmacological therapeutic aspects of migraine. Dallas M. J., 1946, **32**: 39–43.—**Stefan, H.** Behandlungserfolge mit Lubrokal bei Migräne und Epilepsie. Ther. Gegenwart, 1933, **74**: 148–50.—**Trowbridge, L. S., Von Storch, T. J. C., & Moore, M.** The drug therapy of migraine headache. N. England J. M., 1942, **227**: 699.

—— Treatment: Ergot alkaloids.

Bartstra, H. K. G. Iets over de therapie van migraine. Ned. tschr. geneesk., 1946, **90**: 1786–90.—**Blakie, N. H., & Hossack, J. C.** The treatment of migraine with emmenin. Canad. M. Ass. J., 1932, **27**: 45–7.—**Blumenthal, L. S., & Fakler, B.** Migraine headache; treatment of 51 patients with dihydroergotamine. Med. Ann. District of Columbia, 1947, **16**: 10–3.—**Blumenthal, L. S., & Fuchs, M.** The use of ergot-caffeine suppositories in migraine. Ibid., 1950, **19**: 77–9.—**Brock, S., O'Sullivan, M., & Young, D.** The effect of nonsedative drugs and other measures in migraine, with especial reference to ergotamin tartrate. Am. J. M. Sc., 1934, **188**: 253–60.—**Brusselmans, P.** De dihydroergotamine in de behandeling van de migraineuse hoofdpijn. Belg. tschr. geneesk., 1948, **4**: 721.—**Carter, J. B.** Cardiac manifestations following ergotamine tartrate therapy for migraine. J. Am. M. Ass., 1940, **114**: 2298.—**Chapuis, J. P.** Traitement des

migraines et troubles associés par un alcaloïde d'hydrogène de l'ergot de seigle. Gaz. méd. France, 1949, **56**: 596.—**Chiappa, G.** Il ginergen nel trattamento delle emicranie e cefalee. Gior. clin. med., 1949, **30**: 197–205.—**Clein, N. W.** D. H. E. 45 (dihydroergotamine) in the treatment of allergic migraine. Ann. Allergy, 1946, **4**: 128–30.—**Dalsgaard-Nielsen, T.** Behandling af migraene med dihydroergotamin. Ugeskr. laeger, 1949, **111**: 398–400.—**Dannenberg, T.** Comparison of dihydroergotamine, ergotamine and other agents in the treatment of migraine. Permanente Found. M. Bull., Oakland, 1946, **4**: 96–103.—**Dihydroergotamine** and histamine for migraine. Am. Profes. Pharm., 1946, **12**: 339.—**Ergotamine** tartrate for migraine. Lancet, Lond., 1937, **1**: 763. Also Trained Nurse, 1937, **98**: 61–3.—**Friedman, L. L.** Treatment of migraine with cafergone. J. M. Ass. Alabama, 1949–50, **19**: 137.—**Friedman, M. D., & Friedman, D. A.** Dihydroergotamine in the treatment of migraine; preliminary clinical observations. Ohio M. J., 1945, **41**: 1099.—**Friedman, M. D., & Wilson, E. J.** Migraine; its treatment with dihydroergotamine. Ibid., 1947, **43**: 934–8.—**Gotthelf, E. J.** D. H. E. 45 (dihydroergotamine) a new drug in the treatment of migraine. Arizona M., 1946, **3**: 307.—**Graham, J. R., & Wolff, H. G.** On the mechanism of migraine headache and the action of ergotamine tartrate. Tr. Am. Neur. Ass., 1937, **63**: 164. Also Proc. Ass. Res. Nerv. Ment. Dis. (1937) 1938, **18**: 638–69. Also Arch. Neur. Psychiat., Chic., 1938, **39**: 737–63.—**Guldager, A.** [Experiences with ergotamin tartrate in treatment of migraine] Ugeskr. laeger, 1937, **99**: 999–1003.—**Hartman, M. M.** Parenteral use of dihydroergotamine in migraine. Ann. Allergy, 1945, **3**: 440–2.—**Hofmann, P.** Zur Pathogenese und Therapie des vasomotorischen Kopfwehs mit Dihydroergotamin. Schweiz. med. Wschr., 1950, **80**: 28–31.—**Horton, B. T., Peters, G. A., & Blumenthal, L. S.** A new product in the treatment of migraine. Proc. Centr. Soc. Clin. Res., 1942, **15**: 91. Also Proc. Mayo Clin., 1945, **20**: 241–8. Also Festschr. A. Stoll, Basel, 1947, 355–62.—**Kelly, T. W. G.** Ergotamine tartrate in migraine. Lancet, Lond., 1937, **1**: 777; 1939, **2**: 100.—**Kottmann, K.** Ueber Migräne und ihre Behandlung mit Gynergen. Schweiz. med. Wschr., 1933, **63**: 572–5.—**Lennox, W. G.** The use of ergotamine tartrate in migraine. N. England J. M., 1934, **210**: 1061–5. ——— Ergonovine versus ergotamine as a terminator of migraine headaches. Am. J. M. Sc., 1938, **195**: 458–68. ——— Ergot and migraine. In: Festschr. A. Stoll, Basel, 1947, 363–70. ——— & **Leonhardt, H. C.** The flow and concentration of blood as influenced by ergot alkaloids and as influencing migraine. In: J. H. Pratt Anniv. Vol., 1937, 403–10. Also Ann. Int. M., 1937–38, **11**: 663–70.—**Lennox, W. G., & von Storch, T. J. C.** Experience with ergotamine tartrate in 120 patients with migraine. J. Am. M. Ass., 1935, **105**: 169–71.—**Logan, A. H., & Allen, E. V.** The treatment of migraine with ergotamine tartrate. Proc. Mayo Clin., 1934, **9**: 585–8.—**Lucchesi, M.** Etiopatogenia das crises de enxaqueca e seu tratamento pelo tartrato de ergotamina. São Paulo méd., 1939, **12**: 169–220.—**Maarsso, C.** Varicoflebitis efter intramuskulaere gynergen-injektioner hos migraenepatienter. Ugeskr. laeger, 1943, **105**: 658.—**McNaughton, F. L.** The use of ergotamine tartrate in migraine. Canad. M. Ass. J., 1935, **33**: 664.—**O'Sullivan, M. E.** Termination of 1,000 attacks of migraine with ergotamine tartrate. J. Am. M. Ass., 1936, **107**: 1208–12.—**Pelner, L., & Aibel, M. E.** The treatment of severe periodic headaches with desensitizing doses of prostigmine; a new conception and treatment of certain types of headaches including those designated as migraine and histamine headaches. J. Laborat. Clin. M., 1941–42, **27**: 1546–54.—**Pollock, L. A.** Dihydroergotamine, a new and effective drug in the treatment of migraine. Rocky Mountain M. J., 1946, **43**: 895–7. ——— Further experience with dihydroergotamine methanesulfonate in the treatment of migraine; with a note on the use of cafergone. Ann. West. M. & S., 1949, **3**: 388–90.—**Pool, J. L., von Storch, T. J. C., & Lennox, W. G.** Effect of ergotamine tartrate on pressure of cerebrospinal fluid and blood during migraine headache. Arch. Int. M., 1936, **57**: 32–45.—**Schaeffer, H.** Le traitement de la migraine par le tartrate d'ergotamine. Presse méd., 1939, **47**: 60–4.—**Silfverskiöld, B. P.** Gynergen abuse in cases of migraine. Acta psychiat. neur., Kbh., 1947, Suppl. 46, 281–5.—**Stewart, H. C.** Ergometrine for migraine. Brit. M. J., 1945, **2**: 745.—**Storch, T. J. C. v.** Ueber die Behandlung des Migräneanfalls mit Ergotamintartrat (Gynergen) Nervenarzt, 1937, **10**: 469–74. ——— Complications following the use of ergotamine tartrate; their relation to the treatment of migraine headache. J. Am. M. Ass., 1938, **111**: 293–300.—**Tillgren, N.** Treatment of headache with dihydroergotamine tartrate. Acta med. scand., 1947, Suppl. No. 196, 222–8. Also Nord. med., 1947, **33**: 502; **34**: 937.—**Trautmann, E.** Die Beeinflussung migräneartiger Zustände durch ein sympathikushemmendes Mittel (Gynergen) Münch. med. Wschr., 1928, **75**: 513.—**Tzanck, A.** Le traitement des migraines par le tartrate d'ergotamine. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., **52**: 1057–61. Also Rev. internat. méd. chir., 1928, **39**: 89–91. Also Bull. Soc. méd. hôp. Paris, 1931, 3. ser., **47**: 1663.

—— Treatment: Histamine, and its antagonists.

Macy, D., jr. *The treatment of migraine with histamine [Minnesota] 104 l. 27½cm. Rochester, Minn., 1946.

Biró, L. Migränebehandlung mit Histamin- und Antihistamin-Stoffen. Praxis, Bern, 1947, **36**: 794–6.—**Butler, S., & Thomas, W. A.** Intravenous histamine in the treatment of migraine; preliminary observations. J. Am. M. Ass., 1945, **128**: 173–5.—**Ipolyi, F.** [Treatment of migraine with endonasal histamin iontophoresis] Gyógyászat, 1939, **79**: 63; 80. Also Orv. hetil., 1939, **83**: 260–2. Also Fortsch. Ther., 1940, **16**: 8–14.—**Macy, D., & Horton, B. T.** The treatment of migraine with histamine; review of 144 cases. Proc. Centr. Soc. Clin. Res., 1947, **20**: 84. Also J. Am. M. Ass., 1948, **137**: 1110–4.—**Nakada, J. R.** Migraine; report of a case relieved by histaminase, torantil. J. Missouri M. Ass., 1940, **37**: 508.—**Perrault, M., & Vignalou, J.** Action intéressante de l'histaminothérapie intraveineuse lente dans un cas de migraine rebelle. Paris méd., 1947, **37**: 613–5.—**Starý, O.** Učin antihistaminek na migrénovy záchvat. Cas. lék. česk., 1949, **88**: 502–5.—**Thomas, W. A., & Butler, S.** Treatment of migraine by intravenous histamine. Am. J. Med., 1946, **1**: 39–44. Also Arch. Neur. Psychiat., Chic., 1946, **56**: 356–62.

—— Treatment: Hormones.

Bühler, F. Zur Hormonbehandlung der Migräne. Deut. med. Wschr., 1939, **65**: 1739–41.—**Dunn, C. W.** Sex hormone therapy of migraine in the male. Tr. Coll. Physicians Philadelphia, 1939–40, **7**: 260. ——— Male migraine treated with female sex hormone. Delaware M. J., 1941, **13**: 89–95.—**Grignon, C. E.** Deux cas de migraine traités par opothérapie ovarienne. Union méd. Canada, 1937, **66**: 349–52.—**Klausner-Cronheim, I.** Die Behandlung der Migräne mit Hypophysenvorderlappenhormon. Deut. med. Wschr., 1931, **57**: 1455.—**Lange, F.** Die Behandlung der Migräne mit oestrogenen Stoffen. Münch. med. Wschr., 1941, **88**: 246.—**Lenoel.** Migraine et opothérapie thyroïdienne. Avenir méd., Lyon, 1931, **28**: 153.—**Leyton, N.** Migraine relieved with a hormone. Lancet, Lond., 1942, **1**: 488. ——— The A. P. L. hormone in the treatment of migraine in the male. Med. Press & Circ., Lond., 1943, **209**: 127.—**Loublie, G.** Le traitement de la crise migraineuse par les injections intradermiques d'extrait posthypophysaire. Sem. hôp. Paris, 1945, **21**: 460–2.—**Moehlig, R. C., & Gerisch, R. A.** Methyl testosterone for migraine of women. J. Michigan M. Soc., 1949, **48**: 1025–8.—**Singh, I., Singh, I., & Singh, D.** Progesterone in the treatment of migraine. Lancet, Lond., 1947, **1**: 745–7.—**Sperber, P. A.** Epinephrine in the treatment of migraine. Ann. Allergy, 1950, **8**: 126.—**Zimmermann, H.** Behandlung der Migräne mit Corpus luteum-Hormon. Med. Klin., Berl., 1949, **44**: 835.

—— Treatment: Hypertonic solutions.

Buvat, J. F. *Essai de traitement de la migraine et de l'épilepsie par les solutions hypertoniques; étude clinique et expérimentale. 156p. 8°. Par., 1938.

Lumière, A., & Meyer, P. Les injections intra-veineuses hypertoniques magnésiennes contre la migraine. Ann. Laborat. A. Lumière physiol., 1934, 31. Also C. rend. Soc. biol., 1934, **115**: 534–6. Also Rev. méd. hondur., 1934–35, **5**: 672.—**Périsson, J.** Migraine; traitement par les injections intraveineuses de solutions hypertoniques. In: Année méd. prat., Par., 1939, **18**: 311.—**Rook, H. C.** A note on the relief of migraine by the administration of concentrated salts. Lancet, Lond., 1927, **1**: 705.—**Sheikin, A. I.** [Treatment of attacks of migraine by intravenous injections of hypertonic solution of common salt] Klin. med., Moskva, 1940, **18**: No. 11, 117.—**Villey, G., & Buvat, J. F.** Arrêt de crises migraineuses par injections intraveineuses de sérum salé hypertonique. Paris méd., 1937, **103**: 189–91. ——— **Buvat-Pochon.** Rôle des solutions hypertoniques dans le traitement de la migraine. Rev. neur., Par., 1938, **70**: 32–9.

—— Treatment: Manipulation.

Langley, H. V. The migraine lesion, describing the relief and cure of typical migraine by means of manipulative therapy. 26p. 19cm. Lond., 1945.

Forms No. 2, Handb. Manipulative Ther.

Braaf, M. M. Migraine headache treated successfully by head-traction manipulation and thiamin chloride. N. York State J. M., 1949, **49**: 1812–6.—**Rowlingson, C. B.** Osteopathic manipulative treatment of migraine; migraine, hemicrania, sick headache. J. Osteopathy, 1941, **48**: No. 10, 12–5.

—— Treatment: Miscellaneous methods.

Alajouanine, T., & Thurel, R. La migraine et son traitement physiopathologique. Monde méd., 1937, **47**: 1–6.—**Alvarez, W. C.** The present day treatment of migraine. Proc. Mayo Clin., 1934, **9**: 22–7. ——— A new treatment for migraine. Ibid., 1939, **14**: 173. Also Sind M. J., 1939–40, **12**: 66–8.—**Amerling, K.** Léčení migraeny provázené dysmikrobií. Prakt. lék., Praha, 1938, **18**: 41–4.—**Aubertin, E.** Les nouveaux traitements de la migraine. J. méd. Bordeaux, 1943, **120**: 341.—**Ball, F. E.** Migraine; its treatment with peptone and its familial relation to sensitization diseases. Am. J. M. Sc., 1927, **173**: 781–8.—**Brown, J. A.** Urea for

migraine. Brit. M. J., 1943, 2: 201.—**Brown, T. B.** The treatment of migraine and hypertrophic arthritis based on metabolic studies. Tr. Ass. Am. Physicians Philadelphia, 1929, **44**: 215–20.—**Brunn, F.** Beitrag zur Behandlung der Migräne. Med. Klin., Berl., 1937, **33**: 120–2.—**Curschmann, H.** Die Behandlung der Migräne. Ther. Gegenwart, 1943, **84**: 113–6.—**Dalsgaard-Nielsen, T.** Behandling af migraene med intravenøse injektioner af mangan. Nord. med., 1947, **36**: 2315.—**Dattner, B.** Ueber Migränetherapie. Aerztl. Prax., Wien, 1930, **4**: 134–6.—**Didsbury, G.** Traitement anatomique de la migraine. Presse therm. clim., 1933, **74**: 409–21.—**Döllken.** Zur Therapie und Pathogenese der Migräne. Münch. med. Wschr., 1928, **75**: 291–5.—**Eckel, K.** Zur Behandlung der Migräne. Prakt. Arzt, 1949, **3**: 69–76.—**Edmondson, E. E.** Recent advances in migraine therapy. Med. Rec., N. Y., 1947, **160**: 35.—**Feinberg, P.** Beitrag zur Migränefrage. Schweiz. med. Wschr., 1945, **75**: 19.—**Földes, E.** A new aspect of migraine and certain related conditions, with a discussion of its therapeutic possibilities. Am. J. Digest. Dis., 1934–35, **1**: 359–68.—**Fossey, A. M. de.** Le traitement de fond des migraines. Marseille méd., 1928, **65**: 573–82. Also Presse therm. clim., 1933, **74**: 423–7.—**Fränkel, W. K.** Zur Migränebehandlung. Schweiz. med. Wschr., 1934, **64**: 109.—**Glas, E.** Meine Methode der endonasalen Migränebehandlung, wiederentdeckt. Wien. med. Wschr., 1937, **87**: 309.—**Goldkuhl, E.** Zur Frage einer Kausaltherapie des akuten Migräneanfalles. Acta psychiat. neur., Kbh., 1935, **10**: 33–6.—**Gundrum, L. K.** Migraine controlled through the nasal ganglion. Arch. Otolar., Chic., 1928, **8**: 564–6.—**Harry, P. A.** Eye treatment in migraine. Med. Times, Lond., 1937, **65**: 116.—**Herrligkoffer, K. M.** Die Migräne und ihre Behandlung. Med. Mschr., 1949, **3**: 484–93.—**Hyslop, G. H.** Migraine; suggestions for its treatment. Med. Clin. N. America, 1934, **18**: 827–30.—**Ignelzi, L. G.** Migraine; a comparatively new approach as to therapy. Med. J. & Rec., 1932, **135**: 447–9.—**Irwin, C. E.** A discussion of and a method of treating migraine. Am. Med., 1931, **26**: 150–3.—**Kahlmeter, G.** Behandlingen av migrän. Nord. med. tskr., 1934, **8**: 1737.—**Lenoel.** Migrena i opoterapja tarczycowa. Wied. lek., 1932, **6**: 279.—**Leyton, N.** A new approach to the treatment of migraine. Med. Press & Circ., Lond., 1944, **211**: 302–4. ——— Migrainous headaches; a modern treatment. Med. World, Lond., 1949, **70**: 591–3.—**Lövgren, O.,** & **Norrman, A.** Nya behandlingsförsök mot migrän och en jämförelse mellan olika behandlingsmetoder. Nord. med., 1947, **36**: 2254.—**Martin, P.** De la migraine et des moyens de la guérir; théorie nouvelle proposée. Gaz. san., Par., 1834, **2**: 17–29.—**Marton, H. B.** Observations on the treatment of migraine. Am. J. Optometr., 1943, **20**: 400–11.—**Migräne** (Die) und ihre Behandlung. Mitt. Biochem., 1934, **41**: 135–7.—**Migraine;** new theories; new treatments. What's New, North Chic., 1946, No. 106, 10.—**Moffat, W. M.** A method of approach to the treatment of migraine. Med. Press & Circ., Lond., 1940, **203**: 498–501.—**Montenegro, A.** Trastornos de la sensibilidad subjetiva sobre un caso de jaqueca mejorado con tratamiento convulsivante cardiazólico. Pub. méd., B. Air., 1945, **11**: 174–81.—**Nevin, S.** The treatment of migraine. Med. Press & Circ., Lond., 1945, **214**: 182–6.—**O'Sullivan, M. E.,** & **Raybin, V. T.** Vergleichende Prüfung verschiedener Migränebehandlungen. Schweiz. med. Wschr., 1937, **67**: 1182–4.—**Oxengandler, S. M.** [Peptone injections in the treatment of migraine] Klin. med., Moskva, 1928, **6**: 1204–9.—**Pasteur Vallery-Radot.** Traitement des migraines. In: Thér. méd. (Loeper, M.) Par. 1935, 8: 319–32.—**Perrault, M.** Le traitement des migraines. Progr. méd., Par., 1939, 557.—**Podolsky, E.** Migraine; a new therapeutic approach. West Virginia M. J., 1933, **29**: 173–5.—**Rabe, H.** Homeopathic concept and treatment of migraine. Hahneman. Month., 1941, **76**: 704–19.—**Rhode, H.** Ueber Behandlungsmöglichkeiten der Migräne. Psychiat. neur. Wschr., 1942, **44**: 337–9.—**Schekter.** Traitement humoral des céphalées migraineuses. Rev. gén. clin. thér., 1938, 52: 21–3.—**Sicard, J. A.** Traitement local de la crise de migraine. C. rend. Congr. alién. neur. France, 1924, 28. Congr., 245–7.—**Sirota, B.** Hentōtū no kyū-ti rei [... by means of moxibustion] Kanpo & kanyaku, 1937, **4**: 1296–8.—**Soltz, S. E., Brickner, R. M.** [et al.] The use of orally administered ergotamine tartrate, amniotin and phenobarbital in the treatment of migraine. Bull. Neur. Inst. N. York, 1935, **4**: 432–41.—**Stevens, G.** Migraine. Homeop. Rec., 1942–43, **58**: 331–8.—**Storch, T. J. C. v.** On the treatment of migraine. Med. Clin. N. America, 1941, **25**: 1317–30.—**T., F.** Quelques nouvelles thérapeutiques de la migraine. Arch. méd. belges, 1942, **95**: 438–41.—**Tigges, W.** Zur Behandlung der Trigeminusneuralgie und Migräneanfälle. Praxis, Bern, 1942. **31**: 663 (Abstr.)—**Tillim, S. J.** Migraine headaches relieved by hypoglycemic reaction; report of 2 cases. Ann. Int. M., 1944, **20**: 597–603.—**Traitement** (Le) neuro-végétatif de la migraine. Praxis, Bern, 1937, **26**: 769–73.—**Usui, R.** Zur Therapie der Migräne. Wien. klin. Wschr. 1938, **51**: 604.—**Völgyesi, F.** [Migraine and its modern therapy] Gyógyászat, 1935, 75: 81; 89; 109.—**Wagner-Jauregg.** Ueber ausgeartete Migräne und ihre Behandlung. Wien. med. Wschr., 1935, **85**: 1.—**Zajíček, O.** Die Therapie der weiblichen Migräne und anderer allergischer Erkrankungen durch Atmungsfermente. Ibid., 1937, 87: 486–8. ——— Zur Therapie der Migräne. Wien. klin. Wschr., 1938 **51**: 1080.—**Zwillinger, L.,** & **Glattauer, A.** Die Beeinflussung des intermittierenden Hinkens und des Migräneanfalles durch Gefässdrosselung. Wien. med. Wschr., 1937, 87: 610–2.

—— Treatment: Physiotherapy.

Didsbury, G. De la migraine et de son traitement physiothérapique. Clinique, Par., 1932, **27**: 291–6.—**Frey, J.,** & **Schneider, M.** Der Einfluss der Diathermie auf die Gehirndurchblutung. Klin. Wschr., Berl., 1934, **13**: 1419–22.—**Heltman, Z. O.** [Results of combined treatment of migraine with valerian zinc and diathermy] Sovet. med., 1941, **5**: No. 10, 33.—**Henssge, E.** Wirkung der Dauergalvanisierung mittels der Sommer'schen Stabilisierung auf die venösen Hirnsinus. Deut. Zschr. Nervenh., 1928, **102**: 198.—**Hutet, G.** Migraines et cure thermale. J. méd. Lyon, 1934, **15**: 465–72.—**Kellner, D.** Eine neue Methode zur Behandlung der Migräne mit Kurzwellen. Refer. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 276.—**Kovda, R. J.** [Treatment of migraines with ultra-violet collars] Tr. Leningr. inst. fizioter., 1935, No. 2, 50–6.—**Sheikin, A. I.** [Galvanic (calcium) collar in migraine] Sovet. vrach. J., 1939, **43**: 647–52.

—— Treatment: Prostigmine.

Patton, I. J. Migraine; its treatment with prostigmine bromide. Canad. M. Ass. J., 1946, **54**: 588.—**Wit, J. C. de.** De behandeling van migraine en migraineuze hoofdpijnen met prostigmine. Ned. tschr. geneesk., 1948, **92**: 3284–91.

—— Treatment: Psychotherapy.

Boenheim, C. Migraine. In his Pract. Child Psychother., Lond., 1938, 157–9.—**Fritz, M. F.** Migraine from the standpoint of psychodietetics. J. Abnorm. Psychol., 1936–37, **31**: 67–75.

—— Treatment: Sedatives.

See also **Migrainin.**

Geiger, A. J., & **Goodman, L. S.** Trichlorethylene in migraine. J. Am. M. Ass., 1937, **108**: 1733.—**Ide, M.** Migraine et luminal. Rev. méd. Louvain, 1924, 90; 1927, 188.—**Knoblich, M.** Zur Therapie der Migräne mit Cibalgin intravenös. Med. Klin., Berl., 1934, **30**: 1305.—**Kolle, K.** Migräne-Behandlung mit Paracodin. Münch. med. Wschr., 1930, **77**: 487.—**Rubinstein, H. S.** Use of tri-chlorethylene in the treatment of migraine. Arch. Neur. Psychiat., Chic., 1937, **37**: 638–40.—**Stiefler, G.** Die Behandlung der Migräne mit Luminal; Luminaletten. Wien. med. Wschr., 1926, **76**: 429.—**Stroomann, G.** Luminal bei Migräne. Fortschr. Ther., 1926, **2**: 320–2.

—— Treatment: Vitamins.

Dalsgaard-Nielsen, T. Migraenebehandling med syntetisk B_2-vitamin (Lactoflavin) Ugeskr. laeger, 1948, **110**: 1273.—**Grenfell, R. F.** Treatment of migraine with nicotinic acid. Am. Practitioner, 1948–49, **3**: 542–4.—**Palmer, H. D.** New methods of treatment of migraine; preliminary report on vitamin B_1 therapy. Arch. Neur. Psychiat., Chic., 1940, **43**: 1256–66. ——— Treatment of migraine with vitamin B_1; résumé of one year's experience. Ibid., 1941, **45**: 368–71.—**Smith, C. B.** The role of riboflavin in migraine. Canad. M. Ass. J., 1946, **54**: 589–91.—**Thiamin** chloride in the treatment of migraine. Physician's Bull., 1941, **6**: 39–41.

—— Urine.

Jausion, H. A propos de l'élimination dans l'urine des migraineux des principes hypophysaires et de la substance P. d'Oriel; l'intérêt de l'auto-ourothérapie. Bull. Soc. méd. hôp. Paris, 1933, 3. ser., **49**: 1622–4.—**Margolis, J. I.** Chronic pentosuria and migraine. Am. J. M. Sc., 1929, **177**: 348–71. Also J. Am. M. Ass., 1929, **93**: 173–6.—**Torda, C.,** & **Wolff, H. G.** Experimental studies on headache; pharmacodynamics of urine excreted during migraine headache and its relation to 17-ketosteroid content. J. Clin. Invest., 1943, **22**: 853–8.

—— vasomotor.

See also other subheadings (Autonomic nervous system; Pathogenesis)

Atkinson, M. Migraine headache; some clinical observations on the vascular mechanism and its control. Ann. Int. M., 1944, **21**: 990–7.—**Dunning, H. S.** Intracranial and extracranial vascular accidents in migraine. Arch. Neur. Psychiat., Chic., 1942, **48**: 396–406.—**Hahn, L.** Zur Gefässtheorie der Migräne. Med. Klin., Berl., 1932, **28**: 1264–8.—**Lichtwitz, L.** Angiospastische Diathese und Migräne. In his Path. Funktionen, Leiden, 1936, 249–63.—**Paillard, H.** Quelques observations sur les migraines (troubles vaso-moteurs et anaphylactiques) J. méd. fr., 1933, **22**: 61.—**Pasteur Vallery-Radot.** Migraines et spasmes vasculaires généraux. Liége méd., 1938, **31**: 373–84. ——— & **Sérane, J.** Crises de vaso-dilatation hémicéphalique (hyperémie faciale, conjonctivale, pituitaire, sinusale et méningée) avec hémicéphalée. Rev. neur., Par., 1942, **74**: 78–80.—**Rodella, A.** Migräne und Hautgefässe. Schweiz. med. Wschr., 1931, **61**: 1256.—**Schumacher, G. A., Cahan, A. M.,** & **Wolff, H. G.** Studies on migraine; the contrast of vascular mechanisms in headache and pre-headache phenomena. Tr. Am. Neur. Ass., 1940, **66**: 150–3.—**Torda, C.,** & **Wolff, H. G.** Experimental studies on headache; transient thickening of walls of cranial arteries in relation to certain phenomena of migraine

headache and action of ergotamine tartrate on thickened vessels. Arch. Neur. Psychiat., Chic., 1945, **53**: 329–32.—**Wolff, H. G., Marcussen, R. M., & Kunkle, E. C.** Studies on headache; analysis of the contractile state of the cranial vascular tree in migraine. Tr. Am. Neur. Ass., 1948, **73**: 14–7.

—— Vision.

See also other subheadings (ophthalmic; pituitary) also **Blindness,** transient; **Hemianopsia; Scotoma.**

Barrê & Draganesco. Hémiparésies passagères et amaurose transitoire chez une femme ayant des crises migraineuses. Rev. otoneur., Par., 1926, **4**: 376.—**Daniels, B.** Ueber die homonyme Hemianopsie bei Migräne. Zschr. Augenh., 1932, **77**: 67–82.—**Dynes, J. B.** Permanent visual field changes in migraine. Lahey Clin. Bull., 1942–43, **3**: 82–7.—**Engel, G. L., Ferris, E. B.,** jr, & **Romano, J.** Focal electroencephalographic changes during the scotomas of migraine. Proc. Centr. Soc. Clin. Res., 1944, **17**: 63. Also Am. J. M. Sc., 1945, **209**: 650–7.—**Mulrenan, J. C.** A case of permanent quadrant anopsia, possibly due to migraine. Arch. Neur. Psychiat., Chic., 1922, **8**: 449–51.—**Rich, W. M.** Permanent homonymous quadrantanopia after migraine. Brit. M. J., 1948, **1**: 592–4.—**Roger, H.** Migraines hémianopsiques accompagnées d'aphasie ou de paresthésies passagères du membre supérieur. Rev. otoneur., Par., 1928, **6**: 709–44.

—— in children.

See also other subheadings (abdominal; allergic; digestive; ophthalmic)

Averseng. Les migraines dataient de l'enfance. Homoeop. fr., 1949, **25**: 78–80.—**Bowen, R.** Cases illustrating migraine in childhood. Proc. Balyeat Clin., Oklahoma, 1933, **2**: No. 2, 9–11.—**Felts, G. R.** Migraine in childhood. Q. Balyeat Clin., Oklahoma, 1941, **11**: No. 2, 3–6.—**Grunert.** Ueber kindliche Migräne. Zschr. Augenh., 1934, **84**: 360.—**Harry, P. A.** Juvenile migraine. Prescriber, Edinb., 1940, **34**: 243.—**Hecker, R.** Migräne im Kindes- und Jugendalter. Mschr. Psychiat., 1936, **94**: 173; 237.—**Jaqueca** (La) en el niño. Día méd., B. Air., 1930–31, **3**: 858.—**Liège, R.** La migraine dans la pratique médicale infantile. Progr. méd., Par., 1940, 25.—**Lima, A. de O.** O problema clínico da enxaqueca infantil. Brasil med., 1939, **53**: 765–71.—**Pichon, E.** Migraine. In: Traité méd. enfants (Nobécourt & Babonneix) Par., 1934, **5**: 572–80.—**Reiche, A.** Behandlung der Migräne im Kindesalter mit Luminal. Deut. med. Wschr., 1927, **53**: 26.—**Riley, H. A.** Migraine in children and the mechanism of the attack. Bull. Neur. Inst. N. York, 1937, **6**: 387–402.—**Wolfsberg, J. O.** Bemerkungen zum Problem der Migräne im Kindesalter. Ann. paediat., Basel, 1949, **172**: 426–30.

—— in women.

See also other subheadings (estrogenic; menstrual)

Allan, W. The sex ratio in migraine. Arch. Neur. Psychiat., Chic., 1932, **27**: 1436–40.—**Alvarez, W. C.** Can one cure migraine in women by inducing menopause; report on 42 cases. Proc. Mayo Clin., 1940, **15**: 380–2. ——— The migrainous woman and her many troubles. Bull. Alexander Blain Hosp., 1945, **4**: 5–8.—**Paresi, J. M.** Jaqueca o hemicránca. Rev. méd. quir. pat. fem., B. Air., 1945, **24**: 288–93

MIGRAININ.

See also **Antipyrine; Caffeine; Citric acid.**

Hoffmann, E. Demonstration eines Falles von Migränin-Exanthem. Berl. klin. Wschr., 1905, **42**: 991.—**Itō, T.** Migrainin ni yoru tenzyō-hyōsō kakumaku-en no iti rei [case of keratitis punctata subepithelialis caused by migrainin] Kumamoto igakkai zassi, 1943, **19**: 1889–92.—**Kionka, H.** Migränin. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 427.—**Levin, E.** Zur Kenntnis der Migräninvergiftung. Berl. klin. Wschr., 1906, **43**: 766.—**Migrainin;** report of the Council on pharmacy and chemistry rescinding acceptance of the preparation. J. Am. M. Ass., 1909, **52**: 1851.—**Walther, F.** Migränin Ther. Neuheit., 1906, **1**: 51.—**Zernik, F.** Ueber Migränin Höchst und einige seiner Ersatzpräparate. Arb. Pharm. Inst. Berlin, 1907, **4**: 48–56.

MIGRANS bacillus.

Rozhdestvensky, V. S., & Medvinskaia, L. J. [Motility of colonies in the new species of Bacillus migrans] Mikrobiologia, Moskva, 1938, **7**: 137–42.

MIGRANT.

See also such terms as **Gypsy; Nomadism; Tourist; Vagabond; Vagrant.** See also **Migration; Migratory instinct; Migratory worker.**

Anderson, N. Highlights of the migrant problem today. Proc. Nat. Conf. Social Work, 1940, **67**: 109–17.—**Bartels, E. D., & Brun, G.** The history of the problem of vagrants, with special refcrence to Danish conditions. In their Gipsies in Denmark, Kbh., 1943, 21–32.—**Thompson, W. S.** Who are our migrants? In his Popul. Probl., N. Y., 1942, 404–7.

—— deported.

See also other subheadings; also **Migration,** Deportation.

Don Zimmet, P. G. *Les conditions d'existence et l'état sanitaire dans les camps de concentration de femmes déportées en Allemagne [Genève] 101p. 24cm. Ambilly-Annemasse, 1946.

Debray, C., Zaracovitch, M. [et al.] Contribution à l'étude de la pathologie des déportés. Sem. hôp. Paris, 1946, **22**: 863–70.—**Inbona, J. M., & Gounelle, H.** Aperçu général et traitement des états de dénutrition observés chez les déportés à leur retour des camps de concentration allemands. Ibid., 1945, **21**: 740.—**Maladie** (La) et la mort dans les camps de déportés. Praxis, Bern, 1945, **34**: 578.

—— destitute.

See also **Relief.**

Hall, F. A. The problem of the migration of indigent Puerto Ricans to and from New York City; the problem as seen by the social agency in Puerto Rico. Puerto Rico Health Bull., 1939, **3**: 496–504.—**Kahn, D. C.** Statement for the record of the Committee on interstate migration of destitute citizens. In: Hearings Interstate Migr. U. S. Congr. H. Repr. 1941, 76. Congr. 3. sess. H. Res. 63, pt 9, 3644.—**Parran, T.** Health needs of interstate migration of destitute citizens. Ibid., 3579.—**Tate, J.** Settlement, residence, and the power of a State to exclude or remove nonsettled needy persons. Ibid., 3514–20.

—— Displaced person.

See also other subheadings; also **Internment.**

Care and repatriation or return of displaced persons. Rep. Dir. Gen. U. N. Relief Admin., 1944, Sept., 49–51.—**Coigny, R. L.** Displaced persons; the medical problems. Lancet, Lond., 1945, **1**: 477.—**Cook, A. B.** Sanitation in European displaced persons camps. Sanitarian, Los Ang., 1946–47, 37.—**Gregg, R.** Immunization of European displaced persons. Pub. Health Rep., Wash., 1950, **65**: 754–7.—**Hurlbutt, M. E.** The United Nations Relief and Rehabilitation Administration's task for displaced persons. Proc. Nat. Conf. Social Work, 1944, **71**: 100–8.—**Lubitz, J. A.** Nutritional status of displaced persons and urban German population in the U. S. Zone, Germany. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **3**: No. 2, 16–8.—**Marks, E. B.,** jr. The hard core DP's. Survey, N. Y., 1949, **85**: 481–6.—**Rehabilitation** of displaced persons in India. Internat. Labour Rev., Montreal, 1948, **58**: 187–98.—**Rehabilitation** and resettlement of displaced persons in the Indian Union. Ibid., 1950, **61**: 410–26.—**Rodgers, M. S.** Dental care of displaced persons in the U. S. Occupied Zone of Germany, 1946. Mil. Surgeon, 1948, **103**: 372–6.—**Rosebery, H.** L'aide médicale et sanitaire apportée aux personnes déplacées depuis la libération. Arch. méd. sociale, 1948, **4**: 194–6.—**Stern, H.** Observations sur la psychologie collective dans les camps de personnes déplacées. Psyché, Par., 1948, **3**: 891–907.—**Stypul, M.** Nursing aboard a D. P. ship. Am. J. Nurs., 1948, **48**: 493.—**Sutherland, A. B.** Dental care of displaced persons. J. Canad. Dent. Ass., 1946, **12**: 543–7.—**Whittles, J. H.** The early medical problems of displaced persons camps in Austria. Med. Off., Lond., 1947, **77**: 121–3.—**Witham, L., Russell, M. K.,** & **Scott, A. V.** [Suggestions for feeding refugees] Nat. M. J. China, 1941, **27**: 491–505.

—— Health and welfare problems.

See also subheadings of **Migration** (Problems; Public health aspect) also **Housing; Nutrition; Relief; Welfare.**

Blankenship, C. F., & Safier, F. A study of medical problems associated with transients. 132p. 23cm. Wash., 1940.
Forms No. 258, Pub. Health Bull.

Liškutin, J. Nemocnost odloučených lidských skupin. p. 49–108. 21cm. Brno, 1948.
In: Spisy Lék. Fak. Masaryk. Univ., 1948, **21**:

Altmeyer, A. J. The Social Security program in relation to defense migration. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 17, 6724.—**Bonnell, M.** Constructing a congee kitchen for relief feeding in China. J. Am. Diet. Ass., 1946, **22**: 971–3.—**Câmpeanu-Focşani, M.** [Beggars and vagabonds from the medical viewpoint] Spitalul, 1930, **50**: 429–31.—**Coffee, E. R.** A study of medical problems associated with transients. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76, Congr., 3. sess., H. Res. 63, pt 9, 3584–92.—**Delp, M.** How Mrs. Joad learned to use a doctor. Med. Care, 1944, **4**: 115–8.—**Dickie, W. M.** Health of the migrant. J. Am. M. Ass., 1938, **111**: 763–6. Also Week. Bull. California Dep.

Pub. Health, 1938–39, 17: 81; 86.—**Fleming, D.** Migrant nursing in wartime. Pacific Coast J. Nurs., 1942, 38: 730–2.—**Gartside, V. O. B.** The medical inspection of aliens. Med. Off., Lond., 1947, 78: 49.—**Hoey, J. M.** Present situation with regard to migrants and recommendations for their care. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 9, 3504–6.—**Hoppe-Seyler, G.** Die Krankheiten der Landstreicher und Gelegenheitsarbeiter. Med. Welt, 1927, 1: 1076–8. Also Umschau, 1927, 31: 1005.—**Krapf, E. E.** Las depresiones vitales de las mujeres transplantadas. Rev. psiquiat. crim., B. Air., 1941, 6: 429–32.—**Krötz, R.** Die ärztliche Betreuung der Bessarabienumsiedler. Aerztebl. Hessen, 1940, 8: 318.—**Lassablière, P., & Uzan, M.** Le nomadisme en Afrique française; enquête médico-sociale. Médecine, Par., 1940, 21: 3–47.—**McNutt, P. V.** Health protection. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 63, pt 11, 4325.—**Mann, W. D.** Migrant nursing. Pacific Coast J. Nurs., 1941, 37: 658–60.—**Medical** care of migrants. Chron. World Health Org., 1949, 3: 55.—**Medical** examination of evacuees and refugees. Lancet, Lond., 1940, 1: 1103.—**Meldung** von ansteckenden Krankheiten bei Flüchtlingen. Bull. Eidg. Gesundhamt., 1944, 226.—**Nørgaard, O.** Maladies chez enfants de réfugiés polonais en Allemagne. Acta paediat., Upps., 1947, 34: 306–14.—**Review** (A) of the work of the Nursing and Midwifery Committee for Refugees. Nurs. Times, Lond., 1941, 37: 1023.—**Rouèche.** La question des réfugiés et le repliement. Bull. Acad. méd., Par., 1941, 125: 275–8.—**Ruhland, G. C.** Health problem among migrants. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3120–5.—**Services** provided to transients and travelers by Travelers' Aid societies in 35 urban areas, 1938. Social Statist., 1940, Suppl. 3, 11–4.—**Temporary** shelter for homeless or transient persons, 1936–38, in 29 urban areas. Ibid., 6–11.

—— Immigrant.

See also **Migration,** Immigration laws; also **Emigration.**

Advises against urging immigrants to stay foreign. Science News Lett., 1941, 40: 159.—**Boas, F.** Changes in bodily form of descendants of immigrants. Am. Anthrop., 1940, 42: 183–9.—**Fischoff, E.** Immigrant adjustment in Yankee City. Social Res., 1947, 14: 104–9.—**Glick, C.** The relation between position and status in the assimilation of Chinese in Hawaii. Am. J. Sociol., 1941–42, 47: 667–79.—**Hansen, M. L.** The great migration. In his Atlantic Migration, Cambr., 1940, 280–306.—**Naturalization** of noncitizens in the Army. J. Am. M. Ass., 1942, 119: 424.—**Possibilities** for immigrant settlement in the Dominican Republic. Bull. Panamer. Union, 1941, 75: 508–18.—**Stofflet, E. H.** The European immigrant and his children. Ann. Am. Acad. Polit. Social Sc., 1941, 217: 84–92.—**Weinberg, A. A.** Psychosomatic factors in the adjustment of new immigrants. Acta med. orient., Jerusalem, 1949, 8: 13–9.—**Zilboorg, G.** The vicissitude of the intellectual immigrant of today. J. Social Psychol., 1940, 12: 393–7.

—— Indian.

See also **Indian** and its subheadings: also **Migration,** Racial aspect.

Cook, S. F. Migration and urbanization of the Indians in California. Human Biol., 1943, 15: 32–45.

—— Japanese and Chinese.

See also **China; Japan; Migration** subheadings (Evacuation; Relocation, etc.)

United States. Army. Western Defense Command and Fourth Army. Final report: Japanese evacuation from the West Coast, 1942. 618p. 23½cm. Wash., 1943.

Arensberg, C. M. Report on a developing community: Poston, Ariz. Appl. Anthrop., 1942, 2: 1–21.—**Embree, J. F.** Resistance to freedom; an administrative problem. Ibid., 1943, 2: 10–4. ——— The relocation of persons of Japanese ancestry in the United States; some causes and effects. J. Washington Acad. Sc., 1943, 33: 238–42.—**Hanner, G. M.** Hospitalizing of evacuees; a report on the care given to 90,000 Japanese in war relocation centers. Hospitals, 1944, 18: No. 4, 27–9.—**Powell, J. W.** America's refugees: exodus and diaspora. Proc. Nat. Conf. Social Work, 1943, 70: 301–9.

—— Jew.

See also **Jew,** Migration; **Israeli,** in the 5. series; **Middle East; Palestine.**

American OSE review. New York, v.2, 1943–

Brutzkus, J. Medical care for Jewish exiles. Am. OSE Rev., 1943, 2: No. 3, 8–11.—**Coni, E. A.** Una visita a la Colonia Barón Hirsch de la Jewish Colonization Association en Rivera F. C. S. Tr. Fac. agron. vet. Univ. B. Aires, 1929, 25. Anniv. vol., 259–78.—**Grushka, T., Noak, F., & Spiro, S.** The health condition of the Jewish refugees in Cyprus and suggestions to improve it [Hebrew text] Harefuah, Tel Aviv, 1947, 33: 149–51.—**Merzbach, A.** The psychological situation of juvenile immigrants from Western Europe. Ibid., 1945, 29: 77–80.—**R., R.** A zsidóság vándorsbaözönlése. Statiszt. ért., 1941, 237–9.—**Robinson, P.** Mass examinations and mass treatment of Jewish D. P.'s. in Austria during the year 1948. Harefuah, Tel Aviv, 1949, 37: 43–6.—**Rosenblum, Z.** Jewish children in ghettos, camps and woods, 1939–45. Am. OSE Rev., 1947, 4: 25–33.

—— juvenile.

See also **Child,** vagrant; **Migratory instinct; Migratory worker; Minor; Prostitute; Psychopath; School child,** Truancy.

Ackerson, L. Truancy from home and staying out late at night. In his Child. Behav. Probl., Chic., 1942, 2: 316–23.—**Alencar Neto, M. de.** Reeducação de menores transviados. Arq. Serv. assist. menores, Rio, 1943, 2: 103–26, pl.—**Caravedo, B.,** hijo, & **Herencia, C.** Algunas consideraciones sobre el problema de la vagancia en Lima. Bol. Dep. protec. mat. inf. Perú, 1946, 5: No. 21, 41–7.—**Carvalhal, J. F.,** & **Nava, J.** A situação provisória dos menores transviados. Arq. Serv. assist. menores, Rio, 1943, 2: 95–100.—**Clinton, I. L.** A chance for better health comes to children who follow the crops. Child, Wash., 1945–46, 10: 51–3.—**Durand, P.** A quoi est due l'hécatombe des jeunes campagnards transplantés en ville? Rev. gén. clin. thér., 1938, 52: 310–2.—**Gothberg, L. C.** A comparison of the personality of runaway girls with a control group as expressed in the themas of Murray's thematic apperception test. Am. J. Ment. Defic., 1946–47, 51: 627–31.—**Gould, G., & Dickerson, R. E.** Vagrancy [District of Columbia] In their Digest Laws Prostit., N. Y., 1942, 71.—**Jahr, H. M.** Running away. Hygeia, Chic., 1940, 18: 145–8.—**Lowrey, L. G.** Runaways and nomads. Am. J. Orthopsychiat., 1941, 11: 775–82.—**Riemer, M. D.** Runaway children. Ibid., 1940, 10: 522–6.—**Runaway** apprentices. In: Child & State (Abbott, G.) Chic., 1938, 1: 219.—**Skinner, M., & Nutt, A. S.** Adolescents away from home. Ann. Am. Acad. Polit. Social Sc., 1944, 236: 51–9.

—— juvenile: Evacuee, and refugee.

See also **Migration** subheadings; also **Orphan.**

Strachey, A. S. Borrowed children. 149p. 19½cm. N. Y., 1940.

United States. Children's Bureau. Care of children coming to the United States for safety under the Attorney General's order of July 13, 1940; standards prescribed by the Children's Bureau. 28p. 23cm. Wash., 1941. Forms No. 268, Children's Bur. Pub.

Alcock, A. T., Kimber, W. J. T. [et al.] War strain in children; a debate at the Tavistock clinic. Lancet, Lond., 1941, 1: 121.—**Australian** hospitality for [British] doctors' children. Ibid., 1940, 2: 59. Also J. Am. M. Ass., 1941, 116: 884.—**Banks, A. L., Norman, L. G.,** & **Alden, E.** Sick-bays for child evacuees. Lancet, Lond., 1941, 2: 357.—**Basque** (The) children's camp. S. Barth. Hosp. J., Lond., 1937–38, 45: 8; 36.—**Blechmann, G.** Exode et fièvre du nourrisson. Hôpital, 1947, 35: 47–9.—**Brissaud, J.** La protection des enfants évacués en danger moral. Ann. méd. lég., 1940, 20: 109–18.—**British** guest children. Canad. M. Ass. J., 1940, 43: 179.—**British** refugee children. J. Iowa M. Soc., 1940, 30: 497.—**Brown, C. P.** Medical and nursing care of evacuee children from arrival in Canada to the Provincial distribution centres. Nat. Health Rev., Ottawa, 1941, 9: 70–2.—**Burt, C.** The billeting of evacuated children. Brit. J. Educ. Psychol., 1941, 11: 85–98.—**Buzzard, R.** Refugee children in camp. S. Barth. Hosp. J., Lond., 1938–39, 46: 143–5.—**Caravias Vera, D.** Sobre una iniciativa peligrosa; un millón de huérfanos extranjeros para poblar nuestro país; fantasías y realidades. Sem. méd., B. Air., 1944, 51: 445–7.—**Chapman, H.** American hospitality for child of British dentist. Brit. Dent. J., 1940, 69: 263.—**Cheesman, J. E.** Growth of evacuated children. Lancet, Lond., 1940, 2: 575.—**Children** in war-time, and after. Ibid., 1939, 2: 1177.—**Cleanliness** of evacuable children. Med. Off., Lond., 1940, 64: 57.—**Davis, M. W.** Why the children must be helped. Red Cross Courier, 1940–41, 20: No. 8, 21.—**Dominion** hospitality for doctors' children. Brit. M. J., 1940, 2: Suppl., 5.—**Eliot, M. M.** Planning for care of children after evacuation. Child, 1942, 7: 39–42.—**Examination** of evacuees. Lancet, Lond., 1940, 1: 553.—**Gesundheitsschutz** (Der) der verschickten Kinder; eine Vereinbarung zwischen NSV und den Trägern der sozialen Krankenversicherung. Aerztebl. Hessen, 1941, 9: 62.—**Gibson, R. G.** Four thousand Basque children; the refugee camp at Southampton. Lancet, Lond., 1937, 2: 1091–6.—**Growth** of evacuated children. Med. Off., Lond., 1940, 64: 199.—**Guest** children from Europe and their care. Child, Wash., 1941, 5: 202.—**Jordan, E. P.** British children in America. Lancet, Lond., 1940, 2: 246.—**Kesselring, M.** Der Einfluss spaniendeutscher Flüchtlingskinder auf Schulleben und Unterricht. Zschr. pädag. Psychol., 1938, 39: 203–14.—**Lenroot, K. F.** The United States program for the care of refugee children. Proc. Nat. Conf. Social Work, 1941, 68: 198–207.—**Libby, V. K.** Partners for the duration. Red

Cross Courier, 1940–41, **20**: No. 10, 9.—**Medical** care and refugee children. J. Am. M. Ass., 1940, **115**: 1102.—**Medical** treatment of evacuated children. Lancet, Lond., 1940, **2**: 27.—**Padwick, H. B., & Metcalfe, G. A.** Canadian hospitality for British doctors' children. Brit. M. J., 1940, **2**: 687. Also Canad. M. Ass. J., 1941, **44**: 195.—**Plaut, P.** Refugee children in England. Ment. Health, Lond., 1940, **1**: 37–41.—**Poulin, G.** Les enfants apatrides. Méd. inf., Par., 1946, **53**: 185–8.—**Problems** in reception areas; public health and social welfare. Brit. M. J., 1941, **1**: 207.—**Réception** à la frontière suisse d'un convoi d'enfants français, 25 octobre 1944. Rev. internat. Croix Rouge, 1944, **26**: 853–7, 4 pl.—**Roueche, H.** L'hygiène des enfants réfugiés. Méd. inf., Par., 1940, **47**: 24.—**S., H. W.** Medical care for our juvenile guests. Nova Scotia M. Bull., 1940, **19**: 387.—**Siao, K. F.** La situation actuelle des enfants réfugiés en Chine. Ber. Internat. Kongr. Heilpädag. (1939) 1940, 1. Kongr., 132–6.—**Stones, R. Y.** Medical problems of a reception area. Brit. M. J., 1941, **1**: 370.—**Straker, A., & Thouless, R. H.** Preliminary results of Cambridge survey of evacuated children. Brit. J. Educ. Psychol., 1940, **10**: 97–113.—**Swiss** aid for France. J. Am. M. Ass., 1914, **116**: 430.—**Tauber, J.** Netherland children in England. Brit. M. J., 1945, **1**: 486.—**Thatcher, L.** The care of children in war-time and after. Edinburgh M. J., 1940, **47**: 836–48.—**Wasserman, U., & Resek, F.** The refugee child; a task for mental hygiene. Ment. Hyg., Alb., 1942, **26**: 529–45.—**Whitton, C.** Children on loan [Canada] Proc. Nat. Conf. Social Work, 1941, **68**: 219–33.—**Williams, H. C. M.** The arrival of the Basque children at the port of Southampton. Brit. M. J., 1937, **1**: 1209. Also Med. Off., Lond., 1937, **57**: 239.—**Young** (The) visitors. Brit. M. J., 1940, **2**: 264.

—— Negro.

See also **Migration,** Racial aspect; **Negro.**

Preas, S., & Downes, J. A study of mobility among tuberculous households in Upper Harlem. Milbank Mem. Fund Q., 1944, **22**: 41–57.—**Reid, I. D.** Immigration and the law. In his Negro Immigr., N. Y., 1939, 31–5. ——— The Negro immigrant's life story. Ibid., 171–214.

—— political.

See **Migrant** subheadings (deported; Displaced person; Jew; Refugee, etc.) also **Migration,** Politics.

—— Psychiatric aspect.

See also subheading (Health and welfare problems) also **Migration,** Psychiatric aspect; also such terms as **Amnesia; Dream state; Fugue; Head injury,** Sequelae; **Mental defective; Münchhausen syndrome; Poromania.**

BOODY, B. M. A psychological study of immigrant children at Ellis Island. 163p. 24cm. Balt., 1926.

Forms No. 3, Ment. Measure. Monogr.

VERGARA, M. H. *De la dromomanie des exilés. 42p. 25½cm. Par., 1940 [i. e., 1945]

Adell, G. Psychiatric examinations of certain male vagrants and alcoholics in Sweden in the year 1938. Acta psychiat. neur., Kbh., 1938, **13**: 447–62.—**Belbey, J.** Fuga y vagancia. Jornada méd., B. Air., 1948, **2**: 228–37.—**Bryan, J. Y.** The mental ability of literate transients. J. Abnorm. Psychol., 1936–37, **31**: 276–84.—**Burgess, E. W.** The hobo. In: Sex Life Unmarr. Adult (Wile, I. S.) N. Y., 1940, 145.—**Devallet, J., & Thibaut, R.** Nomadisme d'origine délirante chez une débile polonaise. Echo méd. nord, 1939, 3. sér., **10**: 522–6.—**Dupouy, R., & Schiff, P.** Sur l'étiologie et les caractères cliniques de certaines fugues; automatisme ambulatoire et ambulomanie constitutionnelle. Ann. méd. psychol., Par., 1923, **81**: pt 2, 314–32.—**Lang, T.** Erste Ergebnisse psychiatrisch-erbbiologischer Untersuchungen an jüdischen Flüchtlingen. Bull. Schweiz. Akad. med. Wiss., 1944–46, **1**: 281–95.—**Lévy-Valensi, J.** Les aliénés migrateurs. Sem. hôp. Paris, 1935, **11**: 247–51.—**Ostmann.** Landstreichen und Betteln bei geistig Abnormen. Mschr. Krim. Psychol., 1928, **19**: 677–9.—**Pfister, M.** Le traitement des réfugiés envisagé comme problème de la psychologie des masses. Ann. méd. psychol., Par., 1947, **105**: 436. Also Méd. & hyg., Genève, 1947, **5**: No. 90, 10. Also Schweiz. Arch. Neur. Psychiat., 1948, **61**: 404 (Abstr.) Also Schweiz. med. Wschr., 1948, **78**: 755 (Abstr.)—**Queen, S. A., & Gruener, J. R.** Mobility; the transient. In their Social Path., rev. ed., N. Y., 1940, 390–415.—**Reiter, K.** Les vagabonds asociaux en Allemagne. Bull. Off. internat. hyg. pub., Par., 1940, **32**: 446–8.—**Steinert, J.** A socio-psychological analysis of 100 adult male transients. Univ. Pittsburgh Bull., 1936, **33**: No. 1, 375.—**Tulchin, S. H., & Levy, D. M.** Rorschach test differences in a group of Spanish and English refugee children. Am. J. Orthopsychiat., 1945, **15**: 361–8.—**Urechia, C. I., & Retezeanu, G.** Fugues, vagabondage et psychanalyse. Arch. internat. neur., Par., 1931, 23. ser., **1**: 491–512.—**Wilmanns, K.** Das Vagabundentum in Deutschland. Zschr. ges. Neur. Psychiat., 1940, **168**: 65–111.

—— Refugee.

See also **Internment; Jew,** Migration; **Relief.**

CAILLAUD, A. *Le Centre d'accueil; travail de l'Inspection départementale d'hygiène de la Gironde [Paris] 39p. 25cm. Bordeaux, 1939.

LEROLLE, M. E. A. *L'exode d'un peuple; étude des conséquences sanitaires du départ des Grecs d'Asie-Mineure après la guerre Greco-Turque de 1922. 126p. 8° Par., 1931.

Action (L') de secours de la Croix-Rouge hongroise en faveur des Polonais réfugiés en Hongrie. Rev. internat. Croix Rouge, 1940, **22**: 1023–5, pl.—**Armand-Delille, P. F.** La collaboration de l'Oeuvre Grancher avec les services départementaux d'assistance aux évacués et réfugiés. Bull. Acad. méd., Par., 1939, 3. sér., **122**: 486–8. ——— La collaboration des travailleuses sociales avec les services préfectoraux des évacués dans les départements réfuges. Méd. inf., Par., 1940, **47**: 15–24. Also Strasbourg méd., 1940, **100**: 125–30 (Abstr.)—**Arnstein, M. G.** Nursing in the UNRRA Middle East refugee camps. Nurs. Times, Lond., 1945, **41**: 308.—**Assistance** to refugees in India from war zones. Internat. Labor Rev., Montreal, 1944, **49**: 99.—**Bayern, statistisches Landesamt.** Die Flüchtlinge in Bayern. Bayern in Zahlen, 1948, **2**: 5.—**Cavaillon & Leclainche.** Les problèmes sanitaires posés par l'exode en France des réfugiés espagnols. Bull. Acad. méd., Par., 1939, 3. sér., **121**: 328–36. Also Gaz. hôp., 1939, **112**: 367.—**Chartres.** L'assistance aux réfugiés à Alep (Syrie) l'effort français. Marseille méd., 1924, **61**: 1452–65.—**Comité** (Le) international de la Croix-Rouge et la guerre. Rev. internat. Croix Rouge, 1940, **22**: 355–63, 2 pl.—**Comité** (Le) international de la Croix-Rouge et l'aide aux réfugiés de Palestine. Ibid., 1950, **32**: 488–94.—**Des Gouttes, P.** Essai d'adaptation aux civils réfugiés dans les états neutres de la Convention sur les droits et les devoirs des neutres. Ibid., 1940, **22**: 195–204.—**Doxiadès.** La situation des réfugiés en Grèce. Ibid., 1924, **6**: 724–34.—**Dubief, H., & Thoinot, L.** Les asiles parisiens pour réfugiés de guerre. Ann. hyg., Par., 1915. 4. ser., **23**: 249–69.—**Ellis, R. W. B., O'Donovan, D., & Wilson, F. M.** Report on the condition of Polish refugees in Rumania and Hungary. Brit. M. J., 1939, **2**: 1013–5.—**Forster, G.** By way of Manila. Red Cross Courier, 1940–41, **20**: No. 3, 19.—**Hongrie;** l'action de secours de la Croix-Rouge hongroise en faveur des réfugiés polonais en Hongrie. Rev. internat. Croix Rouge, 1940, **22**: 432–42, pl.—**Horowitz, F.** Welfare work of the Czech Refugee Trust Fund. Bull. Czech. M. Ass. Gr. Britain, 1941, No. 1, 9–11.—**Jackson, T. W.** The lot of the innocent bystander in war. Mil. Surgeon, 1916, **38**: 391–9, 5 pl.—**Kerze, T.** Nursing in a Middle East refugee camp. Pub. Health Nurs., 1945, **37**: 443–7.—**Kraus, H.** The plight of refugees in a preoccupied world. Proc. Nat. Conf. Social Work, 1940, **67**: 150–7.—**Lépine, P.** Quelques remarques à propos d'une visite aux camps de réfugiés espagnols des Pyrénées-Orientales. Bull. Soc. path. exot., Par., 1939, **32**: 377–81.—**Lim, E. Q.** A report on the incidence of nutritional diseases and food supply in the refugee camps in Shanghai. Caduceus, Hong Kong, 1937, **16**: 160–7.—**Mann, N.** Training programs for refugees. Occupations, 1940–41, **19**: 250–4.—**Medical** care of refugees. Brit. M. J., 1940, **2**: 35.—**Nansen, F.** La Société des Nations et les réfugiés russes. Rev. internat. Croix Rouge, 1922, **4**: 785–8.—**Pfister, M.** The participation of Switzerland in the international aid for refugees and homeless persons. Gesundheit, Zür., 1949, **29**: 357–9.—**Reding-Biberegg, R. de.** Secours aux réfugiés grecs. Rev. internat. Croix Rouge, 1922, **4**: 951–60.—**Ryan, P. E.** News from the International Red Cross. Red Cross Courier, 1940–41, **20**: No. 2, 21.—**Spanish** refugees [in France] J. Am. M. Ass., 1939, **112**: 2075.—**Stafford, J.** Food for refugees. Science News Lett., 1940, **38**: 10.—**Taylor, C. E.** Epidemiological observations in refugee camps and columns. J. Christ. M. Ass. India, 1948, **23**: 113–6.—**Van Cleft, K.** Food service in an UNRRA camp in Egypt. J. Am. Diet. Ass., 1946, **22**: 141–8.—**Van Zeeland, P.** Refugiados antes y después de la guerra. Reforma méd., Lima, 1944, **30**: 131–41.—**Wolfson, M.** Shanghai's refugees descend upon Manila. Red Cross Courier, 1938–39, **18**: 22–4.—**World** health; refugees. Health Off., Wash., 1939, **4**: 125–8.

—— Refugee—in United States.

See also **Migration** subheadings; **Migratory worker** subheadings (Physician; Refugee)

DAVIE, M. R., & KOENIG, S. The refugees are now Americans. 32p. 21cm. N. Y., 1945.

Forms No. 111, Pub. Affairs Pamph.

HALL, A. Reviewing the refugee problem; arriving in the United States at the rate of 4,000 a month, refugees are showered with attention and help by streamlined, chromium-plated organizations whose budgets run into millions. p.45–51. 22½cm. Concord, N. H., 1941.

In: Scribner's Commentator, 1941, **10**:

Davie, M. R. Recent refugee immigration from Europe. Proc. Milbank Mem. Fund (1946) 1947, **23**: pt 1, 110–23.—

Greenleigh, A. D. The work of refugee agencies in the United States; its successes and inadequacies. Proc. Nat. Conf. Social Work, 1941, **68**: 208–18.—**Murray, E.** French refugees of 1793 in Pennsylvania. Proc. Am. Philos. Soc., 1944, **87**: 387–93.—**Planning** for care of children from overseas seeking refuge in the United States. Child, Wash., 1940, **5**: 9–11.—**Sachs, J. J.** The committee to aid student refugees. Med. Bull., N. Y., 1938–39, **4**: 76.

—— repatriated.

See also other subheadings (Displaced person; Refugee) also **Migration, Repatriation; Prisoner of war.**

BENJAMIN, R. Les rapatriés. 63p. 8° Par., 1918.

FONTEILLE, A. *La tuberculose tardive des rapatriés. 79p. 25cm. Lyon, 1948.

Adamson, J. D., Tisdale, P. K. [et al.] Residual disabilities in Hong Kong repatriates. Canad. M. Ass. J., 1947, **56**: 481–6. Also Treatm. Serv. Bull., Ottawa, 1947, **2**: 7–17.—**Basse & Bureste.** Examen sanitaire des rapatriés; résultat des examens sérologiques pratiqués sur les rapatriés du département d'Eure-et-Loir. Prophyl. antivénér., 1946, **18**: 563.—**Bernard, E., Bourgeois, P., & Genevrier, R.** L'examen radiologique systématique des rapatriés. Rev. tuberc., Par., 1944–45, **9**: 232–5.—**Clarke, C. A., Sneddon, I. B.** [et al.] Nutritional neuropathy in repatriated prisoners of war from the Far East. Proc. R. Soc. M., Lond., 1945–46, **39**: 357–60.—**Creveld, S. v.** Observations chez des enfants rapatriés des Indes. Ann. paediat., Basel, 1946, **167**: 331–46. ——— Waarnemingen bij gerepatrieerde kinderen. Ned. tschr. geneesk., 1946, **90**: 1909.—**Gehlen, A.** Ueber einige Kategorien des Entlasteten, zumal des ästhetischen Verhaltens. Studium gen., Heidelb., 1950, **3**: 54–60.—**Godlewski, H.** Les rapatriés; évolution de leur état physique et moral. Rev. méd. fr., 1945, **26**: 183–96.—**Hanns, A., & Mugler, A.** Le paludisme des rapatriés de Russie. Bull. Soc. méd. hôp. Paris, 1948, **64**: 818–21.—**Hulshoff, A. A.** Voorloopige indrukken over den gezondheidstoestand der repatrieerenden. Ned. tschr. geneesk., 1946, **90**: 474.—**Knoll, W., & Ruckstuhl, H.** Aerztliche Erfahrungen aus einem Rückwanderer-Lager. Schweiz. med. Wschr., 1947, **77**: 141–4.—**Kopf, H.** Heimkehrer; Ausgewiesene. Med. Klin., Münch., 1947, **42**: 468.—**Kouwenaar, W.** De behandcling van ziekten bij gerepatrieerden uit Ned. Indië. Ned. tschr. gencesk., 1947, **91**: 87–94.—**Kuroda, K., & Ohkami, M.** Sengo kaigai hikiage-sya no eiyō zyōtai ni tuite [nutritive condition of the repatriates after the war] Igaku & seibutugaku, 1948, **13**: 350–3.—**Langen, C. D. de.** Moeheid bij gerepatrieerden. Ned. tschr. geneesk., 1946, **90**: 1289.—**Letarte, F., & Simard, P.** Visual complaints from Hong Kong repatriates. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 9, 14–8.—**Main, T. F.** Clinical problems of repatriates. J. Ment. Sc., Lond., 1947, **93**: 354–63.—**Malten, H.** Heimkehrer. Med. Klin., Münch., 1946, **41**: 593–600.—**Montella, G.** Le neurosi tra i reduci. Diagnosi, Nap., 1946, **2**: 92–7.—**Morgan, H. J., Wright, I. S., & Van Ravenswaay, A.** Health of repatriated prisoners of war from the Far East. J. Am. M. Ass., 1946, **130**: 995–9.—**Moss, J. E.** A medical survey of allied repatriates after liberation from Japanese prisons. U. S. Nav. M. Bull., 1947, **47**: 598–604.—**Népjóléti** (A) miniszter 65.650/1948. N. M. számú rendelete a hadifogságból hazatért gümökóros hadifoglyok kórházi (gyógyintézeti) kezelése tárgyában. Népegészségügy, 1948, **29**: 408.—**Pineas, H.** Der Heimkehrer und der praktische Arzt. Württemberg. Aerztebl., 1946, **1**: 17.—**Psychiatric** problems of repatriated prisoners. Brit. M. J., 1946, **1**: 402.—**Rapatriement** d'internés civils. Rev. internat. Croix Rouge, 1945, **27**: 295–7.—**Return** from Germany. Lancet, Lond., 1945, **1**: 636; 670.—**Rollin, H. R.** The psychological problems of the repatriated prisoner of war. Med. Press, Lond., 1948, **220**: 301–4.—**Ruff, E.** Die Lage der heimgekehrten Aerzte. Wien. klin. Wschr., 1918, **31**: 1308–11.—**Schweitzer, F.** Die lipophile Dystrophie der Heimkehrer. Wien. med. Wschr., 1948, **98**: 258–60.—**Sedlmayr, G.** Observations médicales faites sur les maladies de carence chez les rapatriés de Russie; camp gouvernemental de transit d'Ulm-Donau. Docum. méd (Croix-rouge) 1948, No. 18, 30–4. ——— Erfahrungen in der Behandlung kranker Heimkehrer. Med. Klin., Berl., 1949, **44**: 257–9.—**Thompson, T. O.** Repatriated allied prisoners of war and internees. J. R. Army M. Corps, 1945, **85**: 289–93.—**Toler, H. P.** Repatriated from Italy; the story of an American ambulance driver. Prison. War Bull., 1943, **1**: No. 2, 7.—**Tuttle, M. J.** Analysis of medical repatriations; Canadian Army overseas. J. Canad. M. Serv., 1945–46, **3**: 210–26.—**Yamada, M., & Yosida, Z.** Hikiage ken-eki no gaikyō ni tuite [Quarantine of repatriates (to Japan)] Kosyu eiseigaku zassi, 1946–47, **1**: 292–6.

—— Settlement.

See also such terms as **Indian; Military (Prisoner of war) Rehabilitation; Tropics,** Colonization, etc.

Bottle-Wilbraham, L. Civil resettlement of ex-prisoners of war. Ment. Health, Lond., 1946, **6**: 39–42.—**Broek, J. O. M.** Climate and future settlement. Yearb. Agr., Wash., 1941, 227–36.—**Jones, G. P.** Impressions of a medical officer to a civil resettlement unit. J. R. Army M. Corps, 1947, **88**: 161–4.—**Richardson, F. L. W.,** jr. Community resettlement in a depressed coal region. Appl. Anthrop., 1941–42, **1**: 24; No. 3, 32.—**Settlement** of refugees in the Dominican Republic. Bull. Panamer. Union, 1940, **74**: 474–7.—**Social** problems of re-settlement. Nature, Lond., 1946, **157**: 774–6.

—— Tourist.

See also **Camp,** Sanitation; **Tourism.**

Jarrett, J. M. The public health aspect of the sanitation problems created by the touring public. Tr. M. Soc. N. Carolina, 1938, **85**: 681–93.—**Summer** sanitation program designed to protect tourist health. Michigan Pub. Health, 1940, **28**: 103.

MIGRATING erythema.

See **Erythema,** anulare chronicum migrans.

MIGRATING flap.

See also **Grafting** subheadings; also **Plastic surgery,** Methods; and under names of regions and organs.

Aldunate Phillips, E. Injertos pediculados. Arch. Soc. cirujan. hosp., Santiago, 1945, **15**: 758–64.—**Amor, R.** Algunas consideraciones sobre la canalización en cirugía. Gac. méd. México, 1938, **68**: 62–73.—**Blocker, T. G.,** jr, **& Mithoefer, J.** The pattern flap. Plastic & Reconstr. Surg., 1950, **5**: 163–7, illust.—**Brown, J. B.** The closure of surface defects with free skin grafts and with pedicle flaps. Surg. Gyn. Obst., 1947, **84**: 862–5.—**Covarrubias Zenteno, R.** Colgajos de circulación invertida. Relat. Congr. lat. amer. cir. plást. (1947) 1949, 4. Congr., 173–6.—**Cuthbert, J. B.** The marsupial skin flap. Brit. J. Plastic Surg., 1949–50, **2**: 125–31.—**Dellepiane Rawson, R., & Kirshbaum, S.** Colgajo migratorio; método de la bolsa marsupial (marsupial flap) Relat. Congr. lat. amer. cir. plást. (1947) 1949, 4. Congr., 212.—**Douglas, B., & Buchholz, R. R.** The blood circulation in pedicle flaps; an accurate test for determining its efficiency. Ann. Surg., 1943, **117**: 692–709.—**Douglas, B., & Millikan, G. A.** The blood circulation in pedicle flaps; preliminary studies on a photo-electric test for determining its efficiency. Plastic & Reconstr. Surg., 1947, **2**: 348–57.—**Eckhoff, N. L.** The use of flaps. Guy's Hosp. Gaz., Lond., 1947, **61**: 140–5.—**Esser, J. F. S.** Biological scrotal flaps; a new approach. J. Internat. Coll. Surgeons, 1942, **5**: 168–70.—**Farina, R.** Transplantes pediculados vs transplantes livres. São Paulo méd., 1944, **17**: pt 2, 125–32.—**Fossen** [Pedicle flap] Geneesk. tschr. Ned. Indië, 1941, **81**: 756.—**González Ulloa, M.** Colgajos pediculados. Rev. brasil. cir., 1940, **9**: 273–6.—**Kakorina, A. N.** Ukhod za filatovskim steblem. Med. sestra, Moskva, 1949, No. 10, 9–12.—**Kubányi, E.** Fagyott végtagú katonák lágyrészhiányainak pótlása nyeles lebenyátültetéssel. Orvostud. közl., 1944, **5**: 30.—**Lang, K.** Erfahrungen über gestielte Hautplastiken; aus einer Sonderabteilung für Erfrierungen im Bereich der Sanitäts-Abteilung Ulm. Chirurg, 1944, **16**: 212–24.—**Lenggenhager, K.** Beitrag zur Wanderlappen-Plastik. Schweiz. med. Wschr., 1947, **77**: 422.—**Matti, H.** Ueber Transportplastik. Ibid., 1928, **58**: 669–73.—**May, H.** A simple device to test and to improve the circulation in a pedicle flap. Surgery, 1947, **21**: 582–7.—**Mills, J. T., & Patterson, J. B.** The combined use of multiple excision, the Z-plastic and sliding flaps in the correction of certain congenital and acquired anomalies. Plastic & Reconstr. Surg., 1947, **2**: 249–59.—**New, G. B.** Further uses of the sickle flap in plastic surgery. Ibid., 1946, **1**: 271–6.—**Olander, G. A.** Nicotinic acid and epinephrine test for determining the source of blood supply of delayed skin flaps. Ibid., 1950, **5**: 58–65, illust.—**Olsen, G.** Stilkede hudlapper; deres anvendelse og teknik ved behandling af større huddefekter på krop og extremiteter. Ugeskr. laeger, 1949, **111**: 83–9.—**Padgett, E. C., & Gaskins, J. H.** The use of skin flaps in the repair of scarred or ulcerative defects over bone and tendons. Tr. West. Surg. Ass. (1944) 1945, **52**: 195–211.—**Prudente, A.** Inclusão previa de material aloplástico nos transplantes pediculados. Temas Congr. lat. amer. cir. plást. (1942) 1943, 2. Congr., 379–81.—**Reinhard, W., & Lauer, A.** Gefahren der gestielten Hautlappenverpflanzung bei der Homoioplastik. Deut. Zschr. Chir., 1940–41, **254**: 661–8.—**Requarth, W.** Use of pedicle skin grafts in repair of surface defects of the lower extremities. U. S. Nav. M. Bull., 1948, **48**: 373–9.—**Rosovsky, N. V.** [Preliminary plastic reconstruction of the hand with the skin of the scrotum] In: Jubil. sborn. Omsk. med. inst., Omsk, 1935, 143–6.—**Shaw, D. T.** Open abdominal flaps for repair of surface defects of the upper extremity. Surg. Clin. N. America, 1944, **24**: 293–308.—**Stark, R. B.** Pre-operatively applied, mated, plaster of paris casts as an aid in the migration of open-pedicle cross leg flaps. Plastic & Reconstr. Surg., 1947, **2**: 433–8. ——— Blood supply of cross leg pedicle flaps. Ibid., 1948, **3**: 694–9.—**Webster, G. V.** Choice of pedicle flaps for plastic and reconstruction surgery. Surg. Clin. N. America, 1944, **24**: 1472–82.

—— intermediary.

First step, showing raised skin with salve, soaked gauze pulled through incision [illustration] Pharm. Advance, 1942–43, **14**: No. 164, 10.—**Second** step, transverse cut; 3rd step,

skin allowed to draw together [illustration] Ibid., No. 164, 10.—**Fourth** step, skin grafted and arm held in place with harness [illustration] Ibid., No. 164, 11.—**Fifth** step, skin is severed from arm [illustration] Ibid., No. 164, 11.

—— island (of Esser)

Curtillet, E., & Aubaniac. A propos des greffes en îlots; l'échec par atrophie, l'échec par enfouissement; pathologie des greffes en îlots. Afrique fr. chir., 1947, 52–4. ——— Le pansement des greffes en îlots par plaque métallique. Ibid., 54–6.—**Esser, J. F. S.** Neue Wege für chirurgische Plastiken durch Heranziehung der zahnärztlichen Technik. Beitr. klin. Chir., 1916, **103:** Kriegschir. Hefte 6, 547–55. ——— Eigenartige Ausnutzung einer misslungenen plastischen Operation. Deut. med. Wschr., 1918, **44:** 1220. ——— Ueber Plastiken. Münch. med. Wschr., 1919, **66:** 27. ——— Esser inlays as a practical auxiliary operation. Proc. Internat. Coll. Surg. (1941) 1943, 3. Congr , 56–9. Also J. Internat. Coll. Surgeons, 1943, **6:** 208–11.

—— local.

Boovariwala, D. D. Skin loss replacement by the combined use of direct pedicle flaps and Thiersch's graft. Ind. M. Guide, 1948, **1:** 224–7.—**Brown, D. O.** Repair of limb wounds by the use of direct skin-flaps. Brit. J. Surg., 1942–43, **30:** 307–14.—**Limberg, A. A.** [Mathematical basis for the selection of different figures of contiguous triangular skin flaps for the correction of cicatrices on the surface of the body] Vest. khir., 1944, **64:** 43–53.—**Rubin, L. R.** Contiguous skin flaps for wounds of the extremities. Am. J. Surg., 1946, **71:** 36–54.

—— tubed pedicle.

See also under **Grafting.**

Almeida, F. de. O retalho tubulado. Impr. méd., Lisb., 1940, **6:** 250–3, pl.—**Andina, F.** Zur Plastik des Rundstiellappens. Helvet. chir. acta, 1949, **16:** 278–90.—**Ardao, H. A, Apolo, E., & Peñagaricano, R.** El colgajo tóraco-abdominal en las reparaciones del miembro superior. Bol. Soc. cir. Uruguay, 1947, **18:** 394.—**Arhangelsky, P. F.** [Twenty-fifth anniversary of the Filatov tubular graft] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 499–501.—**Bonola, A.** Contributo clinico ai trapianti tubulari in ortopedia. Chir. org. movim., 1947, **31:** 95–106.—**Caccialanza, P.** Contributo alla conoscenza dei lembi tubulati cutanei. Boll. Soc. ital. biol. sper., 1942, **17:** 94–7.—**Caminiti-Manganaro, E.** Sul ripristino della sensibilità nel lembo cutaneo tubulato e nei lembi di cute trapiantati con tale metodo. Atti Congr. europ. chir. plast. guerra (1942) 1943, 289. ——— & **Faraone, G.** Omotrapianto cutaneo a lembo tubulato alla Filatov-Gillies e gruppi sanguigni. Sangue, Milano, 1949, **22:** 215–28.—**Cársky, K.** Tubálny lalok v plastickej chirurgii. Bratisl. lek. listy, 1947, **27:** 612–5, 6 pl.—**Claoué, C.** Lambeaux cutanés tubulés; transports par inclusion dermique ou procédé de la sangsuc. Monde méd., 1940, **50:** 149–52.—**Conway, H., Stark, R. B., & Docktor, J. P.** Vascularization of tubed pedicles. Plastic & Reconstr. Surg. 1949, **4:** 133–43.—**Esser, E.** Alcune considerazioni sul lembo tubulato. Chir. plast., Roma, 1939, **5:** 134.—**Fardeau, A.** Les lambeaux cutanés tubulés en chirurgie plastique. Bruxelles méd. 1949, **29:** 1136–40.—**Gabarró, P.** A new design for raising a tubed pedicled flap. Surgery, 1945, **18:** 732–41.—**Gillies, H.** Practical uses of the tubed pedicle flap. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 137–59. ——— & **King, L. A. B.** Mechanical supports in plastic surgery. Lancet, Lond., 1917, **1:** 412–4.—**Ginestet, G., & Ginestet, G.** Les lambeaux cylindriques dans la chirurgie reconstructive. Rev. odont. stomat., Par., 1948, **4:** 41; passim.—**Gordon, S., & Warren, R. F.** Reflex vasodilatation in tubed pedicle skin grafts. Ann. Surg., 1946, **123:** 436–46.—**Havens, F. Z., & Dix, C. R.** The axillary-iliac tubed flap. Proc. Mayo Clin., 1942, **17:** 167–9.—**Hynes, W.** The rapid transfer of abdominal tubed pedicles. Brit. J. Plastic Surg., 1949–50, **2:** 202–11, illust. ——— & **Macgregor, A. G.** The use of fluorescein in estimating the blood flow in pedicled skin flaps and tubes. Ibid. 4–12.—**Janeček, M.** Histologické změny tkáni implantovaných podle Filatova. Lék. listy, 1950, **5:** 68–70, illust.—**Jentzer, A.** Récupération fonctionnelle à l'aide d'un greffon osseux autoplastique et de lambeaux cutanée tubulés. Schweiz. med. Wschr., 1943, **73:** 1023–6.—**Kareil, U.** Tube flap grafting. Acta Univ. Tartu. (1937) 1939, A, **33:** No. 4, 1–15.—**Klein, D.** Instrument for precise formation of the tube graft and French flap. Am. J. Surg., 1949, **78:** 139.—**Kroeff, M.** Dois casos de autoplastia pelo processo tubular. Hospital, Rio, 1936, **10:** 1417–23.—**Laico, J.** Tube flap transplantation in plastic repair. Philippine J. Surg., 1946, **1:** 110–8.—**Lapchinsky, A. G.** Modifikaciia obrazovaniia filatovskogo steblia s peremeshcheniem treugolnykh loskutkov kozhi pod nozhkami v odnu storonu. Khirurgia, Moskva 1947, No. 12, 30–3.—**Lauber, H. J., & Aresin, N.** Plastische Deckung grosser Hautdefekte, Narben und Narbenulzera mit dem Rundstiellappen. Zbl. Chir., 1947, **72:** 363–8.—**Macomber, W. B., & Briele, H. A.** Modern experiences with tubed pedicle flaps of the thigh. Plastic & Reconstr. Surg., 1947, **2:** 163–70.—**Merendino, K. A.** Full thickness pedicle flap graft from the amputated arm for large skin defects following interscapulothoracic amputation. Arch. Surg., 1950, **60:** 376–8, illust.—**Michelson, N. M.** [Practical suggestions in plastic surgery; the suitcase handle] Nov. khir. arkh., 1941, **49:** 272.—**Nicola, C. P. de.** Secuela de quemaduras; injerto tubular de piel. Bol. Acad. argent. cir., 1949, **33:** 839.—**Obukhova, L. M.** Eshche odna modifikaciia obrazovaniia stebel'chatogo loskuta Filatova. Vest. khir., 1948, **68:** No. 2, 47, illust.—**Penn, J.** Zigzag modification of the tubed-pedicle flap. Brit. J. Plastic Surg., 1948, **1:** 110.—**Rebello Netto.** Método tubular em cirurgia plástica. Bol. Acad. nac. med., Rio, 1939–40, **112:** No. 8, 13–8, 5 pl.—**Rice, F. A., & Hobbs, M. F.** Use of splint in transferring tube skin grafts from forearm to lower leg. Bull. U. S. Army M. Dep., 1947, **7:** 486–8.—**St. Loup Bustillo, E.** Consideraciones acerca del colgajo de pedículo tubulado. Gac. méd. quir. Bolivia, 1943–44, **1:** 30–44.—**Sanders, G. B., & Lynn, R. B.** Graft fixation beneath tubed pedicle flaps. Am. J. Surg., 1947, **73:** 700–2.—**Schimka, V.** Il trapianto cutaneo libero affondato all'uso di lembi tubulari a doppia faccia. Atti Congr. europ. chir. plast. guerra (1942) 1943, 391–3 —**Shaw D. T., & Payne, R. L.,** jr. One stage tubed abdominal flaps; single pedicle tubes. Surg. Gyn. Obst., 1946, **83:** 205–9.—**Soderberg, B. N.** The massive combined tube and open flap used as a unity rotation pedicle transplant for repairs of certain deep surface defects. Plastic & Reconstr. Surg., 1948, **3:** 407–16.—**Sparrow, T. D.** The tube pedicle skin graft; its usefulness to the general surgeon. Tr. M. Soc. N. Carolina, 1938, **85:** 562–83.—**Steffanoff, D. N.** Auriculo-mastoid tube pedicle for otoplasty. Plastic & Reconstr. Surg., 1948, **3:** 352–60.—**Susoni, A. H.** Reparación plástica por colgajos tubulares. Rev. As. méd. argent., 1946, **60:** 601–5. Also Bol. As. méd. Puerto Rico, 1947, **39:** 47–55.—**Usúa Mariné, J.** Algunas consideraciones sobre injertos tubulares. Actas derm. sif., Madr., 1946–47, **38:** 1206–17.—**Vilesov, S. P.** [De la technique de la greffe cutanée d'après Filatov] Khirurgia, Moskva, 1940, No. 7, 79–84.—**Virenque, M.** Quelques remarques sur la méthode tubulée; technique de la confection du tube. Rev. odont. stomat., Par., 1947, **3:** 81–9. ——— Les indications de la méthode tubulée; les tubes inutiles. Ibid., 193–208.—**Zhak, E. M.** [Methods of formation and cultivation of Filatov's pediculate flap] Hospit. delo, 1944. No. 6, 56–8.

—— Z-plastics.

Browne, H. R. Templates as an aid in marking out Z-plastics. Plastic & Reconstr. Surg., 1947, **2:** 278–80.—**Davis, J. S.** Present evaluation of the merits of the Z-plastic operation. Ibid., 1946, **1:** 26–38.—**Marino, H.** Las plásticas en Z. Rev. As. méd. argent., 1941, **55:** 208–11.—**Morel-Fatio, D.** La plastie en Z. J. chir., Par., 1949, **65:** 747–54.—**Smith, F.** Multiple excision and Z plastics in surface reconstruction. Plastic & Reconstr. Surg., 1946, **1:** 170–86.—**Stevenson, T. W.** Release of circular constricting scar by Z flaps. Ibid., 39–42.

MIGRATING ophthalmia.

See **Ophthalmia,** migrans.

MIGRATION.

See also **Anthropogeography; Demography; Emigration; Group,** Disease: Etiology; **Migrant; Migratory instinct; Migratory worker; Nomadism; Population; Statistics; Tourism.**

International Labour Office. Migration. Internat. Labour Rev., Montreal, 1947, **56:** 73; 184; 329.—**Lamb, R. K.** Migration. Social Work Yearb., N. Y., 1943, **7:** 333–9.—**Migration** [bibliography] Popul. Index, Princet., 1943, **9:** 33; passim in subsequent numbers and volumes.

—— Biological aspect.

See also **Migrant,** Immigrant.

Brage, D. Conceptos bio-sociales de la inmigración. Sem. méd., B. Air., 1947, **54:** 123–31.—**Crew, F. A. E.** The biological aspects of migration. Population, Lond., 1933, **1:** 34–41.—**Gini, C.** The physical assimilation of the descendents of immigrants. Abstr. Bk Internat. Congr. Genet., 1948, 8. Congr., 48.—**Hull, H. E.** The physical betterment of future citizens through immigration. Proc. Race Betterm. Conf., 1928, 3. Conf., 186–99.—**Johnson, A.** The menace of the melting pot myth. Ibid., 200.

—— Control, direction, management, and planning.

See also other subheadings.

Blakeslee, R. O. Laws and administrative practices as barriers to mobility; remedies in relation to human welfare. Proc. Nat. Conf. Social Work, 1939, **66:** 232–42.—**Gianturco, M.** La selezione tecnica degli emigranti. Riv. internaz. protez. sociale, 1947, **2:** 74–89.—**Goodrich, C.** Possibilities and limits of international control of migration. Proc. Milbank Mem. Fund (1946) 1947, **23:** 74–81.—**International Labour Organization.** First meeting of the Permanent Migration Committee. Internat. Labor Rev., Montreal, 1947, **55:** 98–108.—**McCall, B.** Migration problems and the Federal Government. Proc. Nat. Conf. Social Work, 1940, **67:** 130–9.—**McCallum, F.** The administrative machinery of migration Rep. Nat. Health M. Res. Counc. Australia, 1941, 10. session

16–8.—**Montagna, C. P., & Burgos, H. I.** Ley de colonización y natalidad. An. Soc. puericult. B. Aires, 1941, 7: 21–5.—**Mukerjee, R.** The ecological control of population. Congr. internat. popul. (1937) 1938, 1. Congr., 1: 23–30.

—— defense.

See also other subheadings (Evacuation; wartime) also **Migratory worker; Mobilization.**

United States. Congress. House of Representatives. 77. Congr., 1. Sess., H. Res. 113. Hearings before the Select Committee investigating national defense migration. Pt 11, 14, 16–17. 4v. 23cm. Wash., 1941.

Altmeyer, A. J. Defense migration. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 17, 6728–32.—**Hillman, S.** Defense migration, 1940–41, contrasted with 1916–17. Ibid., H. pt 16, 6310.—**Mautz, W. H., & Durand, J. D.** Population and war labor supply. J. Am. Statist. Ass., 1943, **38**: 31–42.—**Myers, H. B.** Defense migration and labor supply. Ibid., 1942, **37**: 69–76.—**Taft, C. P.** National defense migration and its relation to health, welfare, and related defense activities. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 17, 6710–24.—**War** time employment in Germany; the mobilization of labor reserves. J. Indust. Hyg., 1942, **24**: Suppl., 26 (Abstr.)

—— Demography.

See also **Population,** Growth.

Tomblen, R. L. The effect of immigration on population growth and character. p.119–37. 25½cm. N. Y., 1935.

In: Bell Teleph. Q., 1935, **14**:

Harnisch, R. Zur Frage der Wanderung und Siebung. Arch. Bevölk., 1942, **12**: 27–60.—**Thompson, W. S.** Migration. In his Popul. Probl., N. Y., 1942, 372–410. ——— Migration and the growth of population. Ibid., 381–6. ——— Are emigration and immigration desirable? Ibid., 386–8. ——— The demographic and economic implications of larger immigration. Proc. Milbank Mem. Fund (1946) 1947, **23**: 95–109.—**Vincent, P.** Vieillissement de la population retraites et immigration. Population, Par., 1946, **1**: 213–44.

—— Deportation.

See also **Migrant,** deported.

Vandervelde, P., & Cantineau, G. La déportation des civils flamands en 1916; considérations médicales; première série de 200 cas soignés à l'Hôpital Saint-Pierre. Bull. Acad. méd. Belgique, 1919, 4. ser., **29**: 129–208.

—— Displacement.

See also **Migrant,** Displaced person.

Kulischer, E. M. The displacement of population in Europe. 171p. 24cm. Montreal, 1943.

Burg, H. M. v. Flüchtlingselend in Deutschland. Schweiz. Rot-Kreuz Kalend., 1950, 89–91.—**Displacement** of European populations. Month. Labor Rev., 1943, **57**: 1167–73.

—— Evacuation.

See also **Migrant,** juvenile: Evacuee; see also under such terms as **Disaster; Earthquake; Flood,** etc.

Adamson, M. R. The evacuation of children; a question and some notes. Cath. M. Guard., Lond., 1939, **17**: 58–63.—**Boyd, W.** The effects of evacuation on the children. Brit. J. Educ. Psychol., 1941, **11**: 120–6.—**Brothwood, W. C. V.** Experience of evacuation in a county reception area. Pub. Health, Lond., 1939–40, **53**: 125–9.—**Crosse, V. M., Jones, M. J.** [et al.] Maternity and child welfare experience and problems arising from evacuation. Ibid., 172–6.—**Deportation** of children from England to Canada. In: Child & State (Abbott, G.) Chic., 1938, **2**: 157–63.—**Evacuation** of children. Med. Rec., 1941, **153**: 381.—**Evacuation** of the London school children. J. Am. M. Ass., 1939, **112**: 2074.—**Evacuation** of mothers and young children. Brit. M. J., 1940, **1**: 1031.—**Evacuation** and reception. Med. Off., Lond., 1941, **65**: 61.—**Evacuation** in retrospect; the Cambridge survey. Ibid., 1942, **67**: 149.—**First** lessons of evacuation. Ibid., 1940, **64**: 50.—**Glover, J. A.** Evacuation; some epidemiological observations on the first four months. Proc. R. Soc. M., Lond., 1939–40, **33**: Sect. Epidem. & State M., 399–412. Also Brit. M. J., 1940, **1**: 629–31 (Abstr.)—**Government** (The) evacuation scheme. Ibid., 1939, **1**: 81. Also Med. Off., Lond., 1940, **63**: 214.—**Health** problems and evacuation. Nurs. Times, Lond., 1940, **36**: 525.—**Lethem, W. A.** Medical problems of evacuation. J. R. San. Inst., 1939-40, **60**: 123–8.—**Livingstone, F. D. M.** Some problems of evacuation as experienced in a Midland county. Practitioner, Lond., 1940, **144**: 268–75.—**M., D.** Evacuation, the first year, by a Provincial medical practitioner. Cath. M. Guard., Lond., 1939–40, **17**: 278–81.—**Maude, E. J.** Evacuation; health and welfare services. Med. Off., Lond., 1941, **65**: 56.—**Medico-social** problems of evacuation. Brit. M. J., 1940, **1**: 660.—**Mesures** de défense passive. Rev. internat. Croix Rouge, 1940, **22**: 309–11.—**Problems** of evacuation and nursing services. Pub. Health, Lond., 1939–40, **53**: 178.—**Shakespeare, G.** Sociological aspects of evacuation. Nature, Lond., 1941, **147**: 272.—**Social** problems of war-time evacuation. Ibid., 1939, **144**: 1025–7.—**Tangye, C. H. W.** Some observations on the effect of evacuation upon mentally defective children. Ment. Health, Lond., 1941, **2**: 75–8.—**Webster, R. C.** Some public health aspects of the evacuation scheme. Pub. Health, Lond., 1939–40, **53**: 33.

—— Factors.

See also such terms as **Civilization; Depression; Economics; Employment; Military (Military occupation) Pauperism; Unemployment,** etc.

Bićanić, R. [Economical factor in the increase of population] Lječ. vjes., 1940, **62**: 585–8.—**Falchi, N.** Presupposti della ripresa emigratoria. Probl. assist. sociale, 1947, **2**: 182–4.—**Ferris, J. P.** The migrant problem and its background. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 9, 3798–805.—**Griaule, M.** Du déguerpissement comme moyen prophylactique ou thérapeutique. Presse méd., 1942, **50**: 187.—**Palmer, E. N.** Culture contacts and population growth. Am. J. Sociol., 1947–48, **53**: 258–62.—**Pessler, W.** Volkstumsverbreitung und ihre Ursachen. Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 95–8.—**Schmidt, I.** Ueber Beziehungen zwischen Landflucht und Intelligenz. Umschau, 1939, **43**: 1047.—**Smith, M.** Some relationships between intelligence and geographical mobility. Am. Sociol. Rev., 1943, **8**: 657–65.—**Thompson, W. S.** War, famine, and disease as factors in population growth. In his Popul. Probl., N. Y., 1942, 44–62. ——— Factors affecting out-migration. Ibid., 401–4.

—— Family studies.

See also **Family.**

Lenroot, K. F. Extent and character of family migration. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 10, 4005–9.—**Rider, R. V., & Badger, G. F.** Family studies in the Eastern health district [Baltimore] a consideration of issues involved in determining migration rates for families. Human Biol., 1943, **15**: 101–26.

—— Geography.

See also under names of countries.

South Africa (Union) Office of Census and Statistics. Statistics of migration. Pretoria, 11. (1937) 1938–

Aumont. L'émigration au Canada. Mém. Congr. Ass. méd. fr. Amérique du Nord (1904) 1905, 2. Congr., 483–7.—**Barrett, J. W.** Australia and post-war immigration. Med. J. Australia, 1941, **2**: 494.—**Hailey, M.** The non-European immigrant communities. In his Afr. Survey, Lond., 1939, 316–44.—**Indian** emigration to Ceylon in 1942. Internat. Labor Rev., Montreal, 1944, **49**: 520.—**J., M. E.** In step with the Q. A.'s; receiving Polish refugees in Persia. Nurs. Times, Lond., 1944, **40**: 589, &c.—**Perry, A.** Indian native coolie immigration. Tr. Far East. Ass. Trop. M., 1912, 2. Congr., 374–81.—**Population** redistribution and urbanization (in Korea) Popul. Index, Princet., 1944, **10**: 232–4.—**Skirving, R. S.** Recollections of the emigration service to Australia in sailing ships in long-past years. Med. J. Australia, 1942, **1**: 689–97.—**Social** reconstruction in China. Internat. Labor Rev., Montreal, 1944, **49**: 657.—**Thomas, B.** Migration and the British Commonwealth. Eugen. Rev., 1948, **40**: 127–36.

—— Geography: Europe.

København, Denmark. Society for the Study of the Social Consequences of the War. Bulletin [No. 3] Fluctuation of the populations during the World War; Germany and France. 141p. 25½cm. Kbh., 1917.

European migrations before and during the present war. Statist. Bull. Metrop. Life Insur., 1941, **22**: No. 5, 1–3.—**Europe** on the move. Popul. Index, Princet., 1948, **14**: 102–4.—**Fazio, E.** Sviluppi e caratteri del movimento migratorio dei paesi mediterranei. Ann. statist., Roma, 1948, **2**: 215–41.—**Krebs, N.** Typen europäischer Wanderbewegung. Forsch. & Fortsch., 1942, **18**: 105–8. Also Research & Progress, Berl., 1943, **9**: 3–9.—**MacDougall, G. D. A.** Inter-war population changes in town and country. J. R. Statist. Soc., Lond., 1940, **103**: 30–60.—**Migration** within and from Interwar Europe. Popul. Index, Princet., 1948, **14**: 100–2.—**Overseas** settlement and population trends. J. Am. M. Ass., 1938, **111**: 731.

—— Geography: Europe—France.

France. Institut national de la statistique et des études économiques. Etudes

démographiques. No. 3: Les naturalisations en France, 1870–1940. 148p. 28cm. Par., 1942.

—— Etudes démographiques. No. 4: Mouvements migratoires entre la France et l'étranger. 122p. 27cm. Par., 1943.

Bourdon, J. Les types d'émigration. Congr. internat. popul. (1937) 1938, 1. Congr., **1**: 222.—**Carnot, P.** Le problème qualitatif et quantitatif de la repopulation; renatalité, immigration, croisements. Paris méd., 1947, **37**: No. 2, p. i–v.—**Lavalée, G.** La France aux prises avec des nécessités d'immigration et des désirs d'émigration. Concours méd., 1946, **68**: 1088.—**Mauco, G.** L'organisation de l'immigration en France. Médecin fr., 1946, **6**: 39–41.—**Poignant, R.** Etude sur l'assimilation de l'immigration polonaise dans le Pas-de-Calais. Population, Par., 1949, **4**: 157–62.

—— Geography: Europe—Germany.

Berlin; Statistisches Amt. Wieviele Berliner werden noch zurückerwartet? Berl. Statist., 1947, **1**: 3.—**Gradmann, R.** Altbesiedeltes und jungbesiedeltes Land. Studium gen., Heidelb., 1947–48, **1**: 163–77.—**Haubold.** Bericht über die Rückführung der Wolhynien- und Galiziendeutschen. Klin. Wschr., 1940, **19**: 846.—**Kellerer, H.** Die Wanderungsbewegung in Bayern 1947. Bayern in Zahlen, 1948, **2**: 168–71.—**Reichling, G.** The refugee in Bavaria. Ibid., 5–9.—**Schulze-Manitius, H.** Deutsche Ostwanderungen. Arch. Bevölk., 1943, **13**: 158–64, ch.—**Ungern-Sternberg, R. v.** Die Bevölkerungsvermehrung bei uns und in den Nachbarländern, unter Berücksichtigung der wirtschaftlichen Lage. Zbl. ges. Hyg., 1934, **31**: 1–22.—**Vogt, A.** Die Auswanderung aus Württemberg-Baden vor und nach dem Kriege. Statist. Mhefte Württemberg-Baden, 1949, **3**: 358.

—— Geography: Latin America.

[Arango Sanín, A.] Inmigración. Colombia méd., 1939, **1**: 357–9.—**Azevedo, S. de A.** Imigração e colonização no estado de São Paulo. Rev. Arq. mun., S. Paulo, 1941, **7**: 105–59.—**Brazilian** immigration restrictions. Bull. Panamer. Union, 1941, **75**: 434.—**Corrêa Lima, H.** A proteção médico-sanitaria as populações que emigram para a Amazonia. Ceará méd., 1944, **23**: No. 8, 25–8.—**Dória de Vasconcélos, H.** O problema imigratório no Brasil sob aspecto médico-social. Impr. méd., Rio, 1944–45, **20**: No. 372, 83–5.—**Foulon, L. A., & Aiub, A.** Correlación entre la inmigración y la importación en la República Argentina. Rev. Fac. agron. vet., B. Air., 1943, **10**: 294–307, ch.—**Garbarini Islas, G.** Síntesis del problema inmigratorio en el momento actual. Tr. Fac. agron. vet. Univ. B. Aires, 1929, 25. Anniv. vol., 315–7.—**Gomensoro, J.** Los problemas de la inmigración y la población de nuestro país. Bol. sal. púb., Montev., 1942, 2. época, No. 4, 98–120.—**Instruções** para a admissão de trabalhadores braçais e as exigências do serviço militar. Arq. hig., S. Paulo, 1942, **7**: No. 14, 192.—**James, P. E.** The problem of foreign immigration in Brazil. Papers Michigan Acad. Sc. (1939) 1940, **25**: 385–95.—**Kuczynski-Godard, M. H.** Algunos preceptos socio-sanitarios acerca de la inmigración europea en el Perú. Reforma méd., Lima, 1947, **33**: 113–8.—**La Rosa, L. de.** La Secretaría de salubridad y asistencia ante los mexicanos residentes en los Estados Unidos. Bol. Of. san. panamer., 1948, **27**: 752–6.—**Loyo Gonzáles, G.** The redistribution of native groups in Mexico. América indígena, Méx., 1943, **3**: 39–47.—**Naranjo Martínez, E.** Necesidad de la inmigración a Colombia. Rev. Fac. med., Bogotá, 1934–35, **3**: 332–5.—**Portillo, H.** La inmigración problema médico-social del Perú. Crón. méd., Lima, 1947, **64**: 3; 33.—**Some** Brazilian views on immigration. Internat. Labor Rev., Montreal, 1944, **49**: 381.—**Vartas, G., Campos, F.** [et al.] Entrada de estrangeiros no territorio nacional. Arch. med. leg. identif., Rio, 1938, **8**: 542–55.—**Wilks, A.** La inmigración como factor de delincuencia en la República Argentina. Policía secr. nac., Habana, 1942, **11**: 102–5.—**Willems, E.** Acculturation and the horse complex among German-Brazilians. Am. Anthrop., 1944, **46**: 153–61.

—— Geography: United States.

See also other subheadings (interstate) also **Migratory worker.**

Lively, C. E., & Beck, P. G. Movement of open country population in Ohio. 48p. 8° Wooster, 1930.

Forms No. 467, Bull. Ohio Agr. Exp. Sta.

U. S. Library of Congress. Division of Bibliography. Immigration in the United States; a selected list of recent references. 94p. 4° Wash., 1943.

Appleton, J. B. Migration and economic opportunity in the Pacific Northwest. Proc. Am. Sc. Congr. (1940) 1943, 8. Congr., **9**: 199.—**Bowman, R. T.** The problem of migration in Pennsylvania. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3141–5.—**Brender, E. V., & Merrick, E.** Early settlement and land use in the present Toccoa Experimental Forest. Sc. Month., 1950, **71**: 318–25.—**Foreign-born** (The) among us. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 2, 6–9.—**Gillette, J. M.** Some population shifts in the United States, 1930–40. Am. Sociol. Rev., 1941, **6**: 619–28.—**Hansen, M. L.** The peopleing of the colonies. In his Atlantic Migration, Cambr., 1940, 25–52. ——— Pioneers of the great migration. Ibid., 120–45.—**Intrinsic** and environmental factors in American population growth; symposium arranged by the Population Association of America. Proc. Am. Philos. Soc., 1939, **80**: 474–626.—**Lorentz, P.** The entire country is on wheels; letter. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 11, 4294.—**McEntire, D., & Clawson, M.** Migration and resettlement in the Pacific Northwest, 1930–40. Social Sc., 1941, **16**: 102–15.—**Miller, H. A.** Immigrant classification by mother-tongue. Proc. Nat. Conf. Race Betterm., 1914, 1. Conf., 551.—**Packard, W. E.** Can migrants be placed to advantage on lands to be served by the Central Valley project? In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3268–91, 6 pl.—**Patterson, J. M.** Migration in Maryland. Ibid., 3139–41.—**Redistribution** of U. S. population. Popul. Index, Princet., 1943, **9**: 2; passim in subsequent numbers and volumes.—**Stauffer, W. H.** Migrants in Virginia. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3133.—**Thompson, W. S.** The direction of internal migration in the United States. In his Popul. Probl., N. Y., 1942, 394–7.

—— Immigration laws and regulations.

See also other subheadings (Biological aspect; Public health aspect, etc.)

United States. Government Printing Office. Superintendent of Documents. Immigration ... list of publications for sale. 11p. 23½cm. Wash., 1942.

Entrada de estrangeiros no territorio nacional. Arq. med. leg. ident., Rio, 1938, **16**: 542–55.—**Hutchinson, E. P.** The present status of our immigration laws and policies. Proc. Milbank Mem. Fund (1946) 1947, **23**: 82–94.—**Immigration** policy in the British Commonwealth. Internat. Labour Rev., Montreal, 1947, **55**: 135–9.—**International Labour Office.** Migration. Ibid., 434–53.—**Medical** inspection of Irish labourers. Lancet, Lond., 1942, **1**: 402.—**Pirotto, A. D.** Consideraciones sobre las leyes de inmigración. Bol. sal. púb., Montev., 1942, 2. época, No. 4, 77–97.—**Solis-Cohen, R. T.** The exclusion of aliens from the United States for physical defects. Bull. Hist. M., 1947, **21**: 33–50.—**Ward, R. D.** Race betterment and our immigration laws. Proc. Nat. Conf. Race Betterm., 1914, 1. Conf., 542–6.—**Willcox, W. F.** The statistical basis of the American National Origins law restricting immigration. Bull. Inst. internat. statist., Haye, 1931, **26**: 124–54.

—— Infiltration.

Warnotte, D. De la pénétration lente d'éléments étrangers dans certaines populations à raison de circonstances économiques; à propos de deux notes de M. Ridolfo Livi sur l'esclavage en Italie au Moyen Age. Bull. Soc. anthrop. Bruxelles, 1909 **28**: 128–45.

—— internal.

See also subheading Geography.

Goodrich, C. Internal migration and economic opportunity in the United States. Congr. internat. popul. (1937) 1938, 1. Congr., **4**: 86–92.—**Hobbs, A. H.** Specificity and internal migration. Am. Sociol. Rev., 1942, **7**: 772–81.—**Internal** migration in the United States. Popul. Index, Princet., 1944, **10**: 72–6.—**Thompson, W. S.** The source of internal migrants. In his Popul. Probl., N. Y., 1942, 393.—**Webb, J. N.** Internal migration; asset or liability? Proc. Nat. Conf. Social Work, 1939, **66**: 243–52.

—— international.

International migration. Popul. Index, Princet., 1948, **14**: 97–9. Also in: Demogr. Yearb., Lake Success (1948) 1949, 31–5.—**Ravnholt, H.** A quantitative concept of the international mobility of population and its application to certain European countries in the period 1851–1935. Congr. internat. popul. (1937) 1938, 1. Congr., **1**: 224–9.—**Thompson, W. S.** The future of international migration. In his Popul. Probl., N. Y., 1942, 389–91.

—— interstate [in U. S.]

See also other subheadings (Geography: United States)

United States. Congress. House of Representatives. 76. Congr., 3. Sess., H. Res. 63, 491, & 629. Hearings before the Select Committee to investigate the interstate migration of destitute citizens. Pt 8–10. 3v. 23cm. Wash., 1941.

Bright, M. L., & Thomas, D. S. Interstate migration and intervening opportunities. Am. Sociol. Rev., 1941, **6**: 773–83.—**Fleming, P. B.** Proposed Federal legislation in relation to interstate migration. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3377–3400.—**Goodrich, C.** Study of population redistribution. Ibid., pt 9, 3757–9.—**Ryan, P. E.** State and local organization for coping with interstate migration. Proc. Nat. Conf. Social Work, 1940, **67**: 140–9. ——— **Falk, M.** [et al.] Platform on interstate migration. Ibid., 1941, **68**: 154–7.

—— Medical and nursing problems.

See also **Migrant,** Health and welfare problems; also other subheadings of **Migration** (Psychiatric aspect; Public health aspect, etc.)

Faivre, A. *Aspect médical et social du problème des étrangers en France. 84p. 25cm. Par., 1939.

Medical problems of immigration. 153p. 24cm. Easton, Pa., 1913.

Pinon, L. L. *Les problèmes médicaux de l'immigration. 63p. 24cm. Par., 1938.

Haines, S. J. Nursing aspects of the refugee problem. Nurs. Times, Lond., 1949, **45**: 84.—**Huber, J., & Besson, A.** Technique du contrôle médical obligatoire des immigrants. Ann. hyg., Par., 1947, **25**: 291–6 (Abstr.) ——— Problème de l'immigration; de la nécessité absolue d'un contrôle médical obligatoire et sévère. Santé pub., Par., 1947, **2**: No. 7, 1, &c.—**Ipsen, J.,** jr. Attack rates among immigrants to infected human populations. Am. J. Pub. Health, 1950, **40**: 136–42.—**Krueger, F. J.** An interesting diagnostic problem in immigration examination; case report. Hosp. News, Wash., 1941, **8**: No. 23, 27–30, 2 pl.—**Lattes, L.** Medicina ed emigrazione. Arch. antrop. crim., Milano, 1948, **68**: 93–130.—**McCallum, F.** Some medical aspects of migration. Rep. Nat. Health M. Res. Counc. Australia, 1941, 10. Session, 8–21.—**Melnotte.** Main-d'oeuvre indigène et maladies exotiques. Méd. usine, Par., 1950, **12**: 94–100.—**Roquete Pinto, E.** Seleção no imigrante para o Continente Americano. Impr. méd., Rio, 1946–47, **22**: No. 394, 26.

—— pendulum.

Guth, H. Die Pendelwanderung, eine Massenerscheinung des 20. Jahrhunderts. Gesundheit, Zür., 1946, **26**: 407–27.—**R.** Az ingavándorlások statisztikája. Statiszt. ért., 1942, 43–8.—**Zanten, J. H. v.** La migration et le mouvement alternants. Bull. Inst. internat. statist., Haye, 1938, **28**: 106–9.

—— Political aspect.

See also **Geopolitics,** in 5. series; also **Migrant** subheadings (Japanese; Jew; juvenile: Evacuee, etc.)

Argentine Republic. Ministry of Foreign Affairs and Worship. Project of convention on the right of asylum. 51p. 8° B. Air., 1937.

Can migrations aid the peace goals? In: Human Breed. (Burch, G. I.) rev. ed., N. Y., 1947, 72–86.—**Migrations** [after Potsdam decision] Popul. Index, Princet., 1948, **14**: 296.—**Poggi, J.** Política imigratória; o papel do médico na realização do magno problema. Labor. clín., Rio, 1947, **27**: 9; passim.—**Sauvy, A.** Union européenne et migrations. Atomes, Par., 1948, **3**: 327–30.

—— postwar.

See also subheadings of **Migrant worker.**

Milbank Memorial Fund [Proceedings, 1946] Postwar problems of migration. 175p. 23cm. N. Y., 1947.

Bruner, J. S. How much post-war migration? Am. J. Sociol., 1943–44, **49**: 39–45.—**Doublet, J.** Mouvements migratoires d'après guerre. Population, Par., 1947, **2**: 497–514.—**Lorimer, F., Lenroot, K. F., & Coil, E. J.** Problems relating to migration and settlement in the postwar period. Rep. Com. Organiz. Peace, 1942, **2**: 184–94.—**Moses, R.** Post-war immigration. Congressional Rec., 1943, **89**: A1324–6.—**Waelbroeck, P.** Postwar international migration. Proc. Nat. Conf. Social Work, 1944, **71**: 91–9.

—— Problems.

See also other subheadings; also such terms as **Education; Food supply; Housing; Sanitation; Water supply,** etc.

United States. National Resources Committee. The problems of a changing population. 306p. 29cm. x 23½cm. Wash., 1938.

Barnes, H. E., & Teeters, N. K. Immigration as a factor in criminality. In their New Horiz. Crim., N. Y., 1943, 125–31.—**Carneiro de Mendonça, F.** Problemas de imigração. Rev. brasil. med., 1945, **2**: 434.—**Godoy, O. de.** Imigração e criminalidade. Rev. Arq. mun., S. Paulo, 1939–40, **6**: No. 67, 149–66.

—— Psychiatric aspect.

See also **Migrant,** Psychiatric aspect.

Beaudouin, H., & Beaudouin, J. L. Le problème psychiatrique de l'immigration; les stades du dépistage. Ann. méd. psychol., Par., 1947, **105**: 416–20.—**Carvalhal Ribas, J.** Imigração e higiene mental. Bol. hig. ment., S. Paulo, 1945, **1**: No. 7, 1–3.—**Cavalcanti, A. de L.** O problema da imigração em face da higiene mental. Arq. brasil. hig. ment., 1945–46, **16**:–17: 52–4.—**Davenport, A. B.** Selecting immigrants. Proc. Am. Ass. Study Feebleminded, 1920, 44. Session, 178.—**Kaplun, D.** Feeblemindedness as a factor in transiency. Ment. Hyg., Alb., 1937, **21**: 96–100.—**Medeiros, M. de.** Imigração. Bol. hig. ment., S. Paulo, 1946–47, **3**: No. 29, 1. ——— O problema da imigração. Arq. brasil. hig. ment., 1947, **18**: 34–50.—**Pacheco e Silva, A. C.** Immigração e hygiene mental. Arch. brasil. hyg. ment., 1925, **1**: No. 2, 27–35.—**Pedersen, S.** Psychopathological reactions to extreme social displacements (refugee neuroses) Psychoanal. Rev., 1949, **36**: 344–54.—**Reichard, J. D.** Immigration and the mental health of communities. In: Ment. Health (Am. Ass. Advance. Sc.) Lancaster, 1939, 115–9.—**Roxo, H.** Imigração e higiene mental. Arq. brasil. hig. ment., 1947, **18**: 31–3.

—— Public health aspect.

See also **Migrant,** Health and welfare problems; also such terms as **Medicine,** colonial.

Great Britain. Ministry of Health. Report on conditions in reception areas. 18p. 24½cm. Lond., 1941.

Board, L. M., & Dunsmore, H. J. Environmental health problems related to urban decentralization, as observed in a typical metropolitan community. Am. J. Pub. Health, 1948, **38**: 986–96.—**Bonifaci.** Aspectos sanitarios de la emigración española. An. Hosp. Varsovia, Toulouse, 1948, **1**: 7–9.—**Chávez, L., & Quiroz Cuarón, A.** Medidas profilácticas de delincuencia en materias migratoria y de sanidad internacional. Criminalia, Méx., 1946, **12**: 476–88.—**Clerc, M.** Nécessité d'une réglementation internationale ayant pour but d'unifier les conditions d'hygiène exigées dans le transport des émigrants. C. rend. Ass. fr. avance. sc. (1914) 1915, **43**: 1137–42.—**Didonna, P.** Conseguenze d'ordine demografico-sanitario del fenomeno emigratorio. Riv. infort. mal. profes., 1949, **36**: 114–9.—**Fracasso, P.** Aspetti sanitari dell'emigrazione. Notiz. ammin. san., 1949, **2**: 80–5.—**Geiger, J. C., & Owen, E.** An acute public health problem of immigration. J. Am. M. Ass., 1941, **116**: 247.—**Lorentz, P.** Break-down in health service. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 11, 4298.—**Manassei, C.** L'emigrazione ed i suoi problemi sanitari. Ann. med. nav., Roma, 1946, **51**: 311–22.—**Marzeev, A. N.** Sanitarno-epidemiologicheskoe obsluzhivanie dvizhushchikhsia mass. Hig. san., Moskva, 1945, **10**: No. 6, 37–40.—**Maxcy, K. F.** Epidemiological implications of wartime population shifts. Am. J. Pub. Health, 1942, **32**: 1089–96.—**Medeiros, M. de.** O problema da imigração. Rev. méd. brasil., 1948, **25**: 233–40.—**Sysin, A.** [Sanitary measures during mass migration of the civilian population] Hig. & zdorov., 1941, **6**: No. 7, 12–6.

—— Racial aspect.

See also subheadings of **Migrant** (Indian; Japanese; Jew; Negro)

American (An) dilemma by G. Myrdal [Bk Rev.] Popul. Index, Princet., 1944, **10**: 76–8.—**Florant, L. C.** Negro internal migration. Am. Sociol. Rev., 1942, **7**: 782–91.—**Holmes, S. J.** The effect of migration on the natural increase of the Negro. Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 119–23.—**International Labour Office.** Survey of Chinese emigration. Internat. Labour Rev., Montreal, 1949, **60**: 289–301.—**Price, D. O.** Nonwhite migrants to and from selected cities. Am. J. Sociol., 1948, **54**: 196–201.—**Reid, I. D. A.** Special problems of Negro migration during the war. Proc. Milbank Mem. Fund (1946) 1947, **23**: 150–8. Also Milbank Mem. Fund Q., 1947, **25**: 284–92.—**Zeisel, H.** The race question in American immigration statistics. Social Res., 1949, **16**: 222–9.

—— Relocation.

See also **Migrant** subheadings (deported; Japanese) also **Migration,** Control: **Migratory worker,** Physician; **Mobilization; Physician,** Distribution.

United States. War Relocation Authority. A story of human conservation. 212p. 8° Wash., 1946.

Baketel, H. S. Resettlement; an acute need. Med. Econom., 1941–42, **19**: No. 11, 27.—**Hoey, J. M.** Mass relocation of

aliens. Proc. Nat. Conf. Social Work, 1942, **69**: 194–9.—**Hollister, J. L.** Manpower board undertakes to allocate civilian doctors; shortages are said to exist in more than 300 communities. Med. Econom., 1942–43, **20**: 37; 108.—**Lamb, R. K.,** & **Hoey, J. M.** Mass relocation of aliens. Proc. Nat. Conf. Social Work, 1942, **69**: 186–99.—**Mountin, J. W.** Relocation of physicians; a prerequisite to better medical care. Fed. Bull., Chic., 1944, **30**: 356–64. Also J. Am. M. Ass., 1944, **126**: 203–5. ——— Relocation of physicians. Diplomate, 1945, **17**: 53–8.—**Preliminary** report on the post war relocation survey of the Committee on Medical Care and Health of Connecticut Post War Planning Board. Connecticut M. J., 1944, **8**: 769–71.—**Roy, C. H.** USPHS devises way to measure M. D.'s capacity for service; procedure is suggested as aid in estimating relocation needs. Med. Econom., 1943–44, **21**: No. 12, 36–9.

—— Repatriation.

See also **Migrant,** repatriated; **Military (Prisoner of war)**

Valette, P. *L'organisation du service de santé du rapatriement. 35p. 24cm. Par., 1945.

Adam, R. F. Settling down in Civvy Street. Health & Social Welf., Lond., 1945–46, 140–3.—**Cahen.** Eugénisme et retour des prisonniers. Santé homme, 1946, No. 34, 16.—**Communiqué** à paraître en zone libre; rapatriement des membres du personnel sanitaire; preuve de leur qualité. Rev. internat. Croix Rouge, 1941, **23**: 817–22.—**Curle, A.** Transitional communities and social re-connection. Human Relations, Lond., 1947, **1**: 42; 240.—**Dear, R. H. B.** Medicomilitary aspects of the repatriation of sick and wounded. Mil. Surgeon, 1949, **105**: 64–71.—**Egberts, A. E.** Jersey City; repatriation way-station. Red Cross Courier, 1940–41, **20**: No. 11, 23.—**Germany** violates international convention for repatriation of sick and wounded soldiers. J. Am. M. Ass., 1941, **117**: 1996.—**Koppius, P. W.** Medische ervaringen in Nederland tijdens de bezetting; repatrieering. In: Med. ervar. in Nederland (1940–45) Groning., 1947, 245–57.—**Rapatriement** de la population civile italienne d'Ethiopie. Rev. internat. Croix Rouge, 1943, **25**: 188–91, 2 pl.—**Rapport** sur le rapatriement des prisonniers de guerre pour raisons de santé et leur hospitalisation en pays neutres. Ibid., 1947, **29**: 791–813.

—— rural-urban.

See also other subheadings (Control; Demography; Problems) **Population; Town planning; Urbanism.**

Biss, K. *Sozialpsychiatrische Probleme der Landflucht; eine Untersuchung über den Zusammenhang von Begabung und Abwanderung in zwei Juradörfern [Basel] 23p. 24cm. Zür., 1939.

Levi Bianchini, M. Igiene mentale e urbanismo nella civiltà attuale. 75p. 24cm. Salerno, 1946.

Forms No. 1, Collana di monogr. Igiene & san. pubb.

Bunle, H. Comparaison internationale des agglomérations urbaines. Bull. Inst. internat. statist., Haye, 1938, **28**: 80.—**Burgdörfer, F.** Verstädterung im Lichte der Bevölkerungsstatistik und Bevölkerungspolitik. Volk & Rasse, 1936, **11**: 169–78.—**Carroll, J. B.** Zipf's law of urban concentration. Science, 1941, **94**: 609.—**Freedman, R.** Health differentials for rural-urban migration. Am. Sociol. Rev., 1947, **12**: 536–41.—**Gist, N. P.,** & **Clark, C. D.** Intelligence as a selective factor in rural-urban migrations. Am. J. Sociol., 1938–39, **44**: 36–58.—**Hauser, P. M.,** & **Eldridge, H. T.** Projection of urban growth and migration to cities in the United States. Proc. Milbank Mem. Fund (1946) 1947, **23**: 159–73. Also Milbank Mem. Fund Q., 1947, **25**: 293–307.—**Heberle, R.** The causes of rural-urban migration; a survey of German theories. Am. J. Sociol., 1937–38, **43**: 932–50.—**Hoyt, H.** Forces of urban centralization and decentralization. Ibid., 1940–41, **46**: 843–52.—**Landflucht** (Die) als biologisches Problem. Praxis, Bern, 1945, **34**: 111.—**Legge** (La) contro l'urbanesimo; effetti, riflessi bellici e interferenze. Notiz. demogr., Roma, 1943, **16**: 27–31.—**Lively, C. E.** The development of research in rural migration in the United States. Congr. internat. popul. (1937) 1938, 1. Congr., **4**: 93–107.—**Márquez, F. P.** Despoblación rural. Congr. argent. urbanismo (1935) 1937, 1. Congr., **2**: 297.—**Müller, K.** Siebungsvorgänge bei der Bildung von Grosstadtbevölkerungen. Arch. Bevölk., 1942, **12**: 1–26.—**Sonnenberg, W.** Gedanken über Wesen und Bchandlung der Landflucht. Deut. med. Wschr., 1939, **65**: 523.—**Taeuber, C.** Recent trends of rural-urban migration in the United States. Proc. Milbank Mem. Fund (1946) 1947, **23**: 124–34.—**Thompson, W. S.** Some data on country-to-city migration. In his Popul. Probl., N. Y., 1942, 398–401.—**Whitney, V. H.** Rural-urban people. Am. J. Sociol., 1948 **54**: 48–54.

—— Sociology.

See also other subheadings (Factors; Family studies, etc.)

Bird, C. Population changes. In his Social Psychol., N. Y., 1940, 396–403.—**Hobbs, A. H.** Specificity and selective migration. Am. Sociol. Rev., 1942, **7**: 772–81.—**Humphrey, N. D.** On assimilation and acculturation. Psychiatry, Balt., 1943, **6**: 343–5.—**Mowrer, E. R.** Migration and mobility. In his Disorg. Pers. & Social, Phila., 1942, 59–64.—**Warren, G. L.** Aliens and foreign born. Social Work Yearb., N. Y., 1943, **7**: 51–60.—**Woofter, T. J.,** jr. Possibilities of future migration. Proc. Nat. Conf. Social Work, 1940, **67**: 118–29.

—— Statistics.

See also **Habitation; Population.**

Hamilton, C. H., & **Henderson, F. M.** Use of the survival rate method in measuring net migration. J. Am. Statist. Ass., 1944, **39**: 197–206.—**Lacroix, M.** Problems of collection and comparison of migration statistics. In: Probl. Collect. Internat. Statist. (Milbank Mem. Fund) (1948) 1949, 71–105.—**Molinari, A.** Projet d'une méthode internationale uniforme pour les statistiques des migrations. Bull. Inst. internat. statist., Haye, 1938, **27**: 55–7.—**Mühsam, H.** A note on migration and Verhulst's logistic curve. J. R. Statist. Soc., Lond., 1939, **102**: 445–8.—**Problem** (The) of measuring replacement of population. Nature, Lond., 1949, **164**: 291–3.

—— wartime.

See also other subheadings (Control; defense; Displacement; Evacuation, etc.)

Contrasts in wartime population growth. Statist. Bull. Metrop. Life Insur., 1944, **25**: No. 4, 1–3.—**Huruya, Y.** Rinsen taisei-ka no zinkō mondai [population problems under wartime regulations] Mitt. Jap. Ges. Gyn., 1942, **37**: 565–8.—**Sánchez Verdugo, J.** Influencia de la guerra en algunos fenómenos demográficos. Rev. san., Madr., 1948, **22**: 324–41.—**Shryock, H. S.,** jr. Internal migration and the war. J. Am. Statist. Ass., 1943, **38**: 16–30. ——— Wartime shifts of the civilian population. Proc. Milbank Mem. Fund (1946) 1947, **23**: 135–49. Also Milbank Mem. Fund Q., 1947, **25**: 269–83.—**Vincent, P.** Guerre et population. Population, Par., 1947, **2**: 9–30.—**Wartime** migrations present problems for commonwealth; civilian population gain in defense areas due to military and industrial activities. Welf. Bull., Springf., 1943, **34**: No. 3, 3.—**Wright, Q.** Population changes and war. In his Study of War, Chic., 1942, **2**: 1118–45.

—— westward.

See also **Migration,** pendulum.

Carnot, P. Les déplacements de population et la rétrorotation occidentale. Paris méd., 1946, **36**: No. 7, 1.—**Hansen, M. L.** The westward impulse. In his Atlantic Migration, Cambr., 1940, 3–24.

—— of animals.

See also **Bird, Migration; Migratory instinct.** For phototropic migration see **Phototropism.**

Sánchez y Sánchez, D. Contribuciones para la investigación biológica; los desplazamientos de los animales; emigraciones. p.61–136. 24½cm. Madr., 1944.

In: Tr. Inst. Cajal Sec. fisiol., 1944, **36**: 61–136.

Dementev, G. P. Obzor rabot central'nogo biuro kol'cevaniia za gody voiny, 1941–45. Izvest. Akad. nauk SSSR, sér. biol., 1949, 48–53.—**Feniuk, B. K.,** & **Demiashev, M. P.** [Study on the migration of gerbilles (Mammalia; Glires) by means of the ear-clip method] Vest. mikrob., 1936, **15**: 89–106.—**Fontaine, M., Lachiver, F.** [et al.] La fonction thyroïdienne du saumon (Salmo salar L.) au cours de sa migration reproductrice. J. physiol., Par., 1948, **40**: 182A–184A.—**Gladkov, N. A.** K voprosu o migracijakh ptic; vesennii prilet ptic kak fenologicheskoe iavlenie. In: Pamiati akad. M. A. Menzbir, Moskva, 1937, 69–91.—**Gray, J.** Migration of vertebrate animals. Endeavour, Lond., 1946, **5**: 83–9.—**Héribert, J.** Les migrations des poissons. Nature, Par., 1947, 311.—**Larionov, V. F.** Issledovanie periodicheskikh javlenii u ptic i ikh znachenie dlia problemy pcrelotov. Izvest. Akad. nauk SSSR, sér. biol., 1949, 40–7.—**Leiper, R. T.** Some inhabitants of man and their migrations. Univ. Toronto M. J., 1923–24, **1**: No. 4, 36–9.—**Loeser, J. A.** Bird migration. In his Animal Behav., Lond., 1940, 151–62.—**Merkel, F. W.** Zur Physiologie des Vogelzugtriebes. Zool. Anz., 1937, **117**: 297–308.—**Noble, G. K.,** & **Breslau, A. M.** The senses involved in the migration of young fresh-water turtles after hatching. J. Comp. Psychol., 1938, **25**: 175–93.—**Parker, H. W.** The herpetological fauna of the Galapagos Archipelago. Rcp. Brit. Ass. Advance Sc., 1935, 389.—**Promptov, A. N.** Sczonnye migracii ptic kak biofiziologicheskaia problema. Izvest. Akad. nauk SSSR, sér. biol., 1949, 30–9.—**Putzig, P.** Die Triebkräfte des Vogelzugs. Umschau, 1938, **42**: 866–9.—**Ritchie, J.** A study of bird migration. Nature, Lond., 1941, **147**: 91.—**Sanderson, I. T.** The mystery of migration. In: Science Yearb. (Ratcliff, J. D.) N. Y., 1945, 213–24.—**Schneirla, T. C.** Nomadism in the swarm-raiding army ants as an instance of animal migration. Anat. Rec., 1944, **89**: 552 (Abstr.) Also Biol. Bull., 1945, **88**:

166–93.—**Stickel, L. F.** The source of animals moving into a depopulated area. J. Mammal., 1946, **27:** 301–7.—**Sulkin, N. M., Beams, H. W., & King, R. L.** Migration and buoyancy regulation in Corethra. Anat. Rec., 1941, **81:** Suppl., 129 (Abstr.)—**Tugarinov, A. J.** Sovremennoe sostoianie ucheniia o sezonnykh migraciiakh ptic. Izvest. Akad. nauk SSSR, sér. biol., 1949, 7–29.

—— of plants.

See also **Ecology; Plant,** Geography.

Holttum, R. E. The uniform climate of Malaya as a barrier to plant migration. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., **4:** 669–71.

MIGRATION of ions.

See **Electrocataphoresis; Iontophoresis.**

MIGRATION of leukocytes.

See **Leukocyte,** Diapedesis; **Phagocyte.**

MIGRATION of nations.

See also **Man,** early; **Middle Ages; Prehistory; Paleontology;** also under names of countries and nations.

Hansen, M. L. The Atlantic migration, 1607–1860. 391p. 22½cm. Cambr., Mass., 1940.

Ratzel, F. [Origin and migration of peoples from the geographical view-point] Russ. antrop. J., 1901, **2:** 82–95.—**Tischler, F.** Die menschliche Beharrungstendenz und die urgeschichtlichen Völkerwanderungen in ihrer Beziehung zur Umwelt. Forsch. & Fortsch., 1948, **24:** 28–32.

MIGRATORY instinct.

See also **Bird,** Migration; **Migration**—of animals; also under names of migratory animals.

Rowan, W. Homing, migration and instinct. Science, 1945, **102:** 210.

—— human.

See also **Impulse; Migrant,** juvenile; **Vagabond.**

Davenport, C. B. The feebly inhibited; nomadism or the wandering impulse, with special reference to heredity. Proc. Nat. Acad. Sc. U. S., 1915, **1:** 120–2.—**Kline, L. W.** Truancy as related to the migrating instinct. Pedag. Semin., Worcester, 1897–98, **5:** 381–420.—**Scharling, H.** [Boys with the wanderlust] Nyt tskr. abnormvaes., Kbh., 1908, **10:** 138–42.—**Seelig, E.** Der nichtsesshafte Mensch. Mschr. Kriminalb., 1939, **30:** 141–8.—**Vessie, P. R.** The wanderlust impulse. Med. J. & Rec., 1924, **120:** 19–22.

MIGRATORY worker.

See also **Employee; Employment; Industrial worker; Migration,** defense; **Unemployment; Workman.**

United States. Federal Interagency Committee on Migrant Labor. Migrant labor ... a human problem; report and recommendations. 58p. 19cm.x25cm. Wash., 1947.

Falk, M. America's second army. Trained Nurse, 1942, **108:** 106–10.—**German** free workers in France. Internat. Labour Rev., Montreal, 1948, **8:** 227–30.—**Green, W.** The part of organized labor in defense migration. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 16, 6414.—**International Labour Office.** The recruitment of French labour for Germany. Internat. Labor Rev., Montreal, 1943, **47:** 312–43. ——— Soviet workers in Germany; methods of recruitment and conditions of employment. Ibid., 576–90.—**Krueger, C. G.** New Jersey State panel on migratory labor. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 14, 5607–10.—**Migrant** labor in New York. Health News, Albany, 1948, **25:** No. 27, 10–4.—**Moore, W. E.** The migration of native laborers in South Africa. Milbank Mem. Fund Q., 1946, **24:** 401–19.—**Perkins, F.** Excerpts from an unpublished report of the Secretary of Labor. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 10, 4085–195.—**Read, M.** Migrant labour in Africa and its effects on tribal life. Internat. Labor Rev., Montreal, 1942, **45:** 605–31.—**Sauvy, A.** Some aspects of the international migration problem. Ibid., 1948, **58:** 18–37.—**Speek, P. A.** Foreign workers and manpower in Germany. Month. Labor Rev., 1943, **57:** 495–8.—**U. S.** Bureau of Labor Statistics; labor conditions in French North Africa. Ibid., **56:** 858–75.

—— Farmer.

See also **Agriculture**—in war; **Farmer.**

Agricultural migrants. Final Rep. White House Conf. Child. Democr., 1940, 38–41.—**Castaldi, L.** Costituzioni e attitudini ai lavori dei campi. Rass. med. indust., 1941, **12:** 487 (Abstr.)—**Evans, D. T.** Farm Labor Survey; report on cooperating Government agencies, June 16, 1941. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 14, 5612.—**Evans, R. M.** Agricultural conservation. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3230–2.—**Farm** labor supply situation in southern New Jersey, 1941; prepared by the Labor Division, Farm Security Administration. In: Hearings Nat. Defense Migr. U. S. Congr., H. Repr., 1941, 77. Congr., 1. sess., H. Res. 113, pt 14, 5849–58.—**La Follette, R. M., jr.** Agricultural migration; past, present and future. Proc. Nat. Conf. Social Work, 1941, **68:** 145–53.—**Liske, C.** Girl Scout experimental farm-work camp. Child, Wash., 1944–45, **9:** 3–9.—**Maddox, J. J.** The Farm Security Administration in southern communities. Proc. Nat. Conf. Social Work, 1942, **69:** 109–18.—**Medical** care for farm workers in California and Arizona. Month. Labor Rev., 1942, **55:** 957–9.—**Miura, U.** Hokuman manzin nōmin narabi-ni honpō nōgyō imin no i-syoku-zyū [food, clothing, and shelter of North Manchurian native farmers and of the Japanese farmer-immigrants] Kokumin eisei, 1938, **15:** 393–414.—**Packard, W. E.** Can the low-income and destitute farm population improve their status through cooperation. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., H. Res. 63, pt 8, 3295–3303. ——— Consumer cooperation in agriculture. Ibid., 3313.—**Schmidt, C. T.** Changes in American agriculture and some of the results. Ibid., pt 9, 3767–82.—**Taylor, P. S.** Forces that jeopardize the security of farm people. Ibid., pt 8, 3246–52. ——— & **Allen, W. W.** Factors underlying the insecurity of farm people in the corn belt. Ibid., pt 10, 4063–85.—**Tolley, H. R.** Potential migration as a problem of American agriculture. Ibid., pt 8, 3194.—**Wilson, M. L.** Meeting the farm labor shortage through U. S. Crop Corps. Occupations, 1942–43, **21:** 627–30.

—— Laws, and regulations.

See also **Employment,** compulsory; **Mobilization; Slavery.**

Franco-Italian (The) migration agreements. Internat. Labour Rev., 1947, **55:** 395–402.—**Hailey, M.** Control of migratory labour and travellers in Africa. In his Afr. Survey, Lond., 1939, 1199.

—— Medical care.

Barnett, E. D. Migratory Mexican laborers pose special health care problems for California Medical Association. Hospitals, 1944, **18:** No. 3, 43.—**Dickie, W. M.** Migratory labor in California. California West. M., 1937, **47:** 106.—**Green, W.** Health. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., H. Res, 113, pt 16, 6421.—**Health** of transient and migratory laborers in California. Week. Bull. California Dep. Pub. Health, 1937–38, **16:** 125; 131.—**Health** and welfare of migratory labor. Month. Labor Rev., 1940, **51:** 1363–6.—**Hettema, E. M., & Ranson, B. R.** Nursing in a medical care program for migrant farm workers. Pub. Health Nurs., 1947, **39:** 398–402.—**Liebold.** Aufgaben der Gesundheitsämter bei der Ueberwachung und Betreuung fremdvölkischer Arbeiter. Desinfekt. & Schädlingsbekämpf., 1943, **35:** 51–3.—**Medical** care for migratory labor. J. Am. M. Ass., 1940, **115:** 2189.—**Mott, F. D.** Health services for migrant farm families. Am. J. Pub. Health, 1945, **35:** 308–14. ——— & **Roemer, M. I.** A Federal program of public health and medical services for migratory farm workers. Pub. Health Rep., Wash., 1945, **60:** 229–49.—**Schaupp, K. L.** Medical care of migratory agricultural workers; a story of accomplishment. California West. M., 1944, **60:** 238–41.—**Turner, D. H.** Dental care in migratory labor camps. J. Florida Dent. Soc., 1944, **15:** No. 5, 7.—**Wade, M. A., & Jones, L. W.** The Land Army nurse. Am. J. Nurs., 1944, **44:** 849–52.

—— Occupational aspect.

See also other subheadings; also names of migratory occupations as **Farmer; Employee,** government; **Librarian; Lumberman; Miner;** also **Migration,** postwar.

Alexander, W. W. Interstate migration and industrial opportunity today. Proc. Nat. Conf. Social Work, 1941, **68:** 134–44.—**Ferreira, I.** Proyecto de resolución acerca de la situación de incertidumbre y desamparo de los obreros jornaleros en nuestro país. Bol. Soc. méd. quir. centr., Montev., 1937, **21:** No. 21, 29.—**Freedman, R., & Hawley, A. H.** Migration and occupational mobility in the depression. Am. J. Sociol., 1949–50, **55:** 171–7.—**Menefee, S. C., & Cassmore, O. C.** The pecan shellers of San Antonio; the problem of underpaid and unemployed Mexican labor. J. Indust. Hyg., 1941, **23:** Suppl., 139 (Abstr.)—**U. S. Bureau of Labor Statistics.** Sources of labor supply in West Coast shipyards and aircraft-parts plants. Month. Labor Rev., 1942, **55:** 926–31.—**Webb, J. M.** Nomads. Personnel J., 1937–38, **16:** 125–33.

—— Physician, and scientist.

See also **Licensure**, Laws; **Physician**, Distribution.

Emigration of physicians from Germany in 1933. J. Am. M. Ass., 1934, **102**: 1241.—**Greene, J. E.** Interregional migration of psychological talent. J. Social Psychol., 1941, **14**: 119–28.—**Lassek, A. M.** Medical statistics of South Carolina; the factors of urbanization and county wealth in the state distribution of physicians. J. S. Carolina M. Ass., 1943, **39**: 228–32.—**Location** and movement of physicians, 1923 to 1938; effect of local factors upon location. California West. M., 1943, **58**: 247.—**Medical** practice acts; graduates from foreign medical schools; foreign licensure requirement. Fed. Bull., Chic., 1942, **28**: 63.—**Mountin, J. W., Pennell, E. H., & Brockett, G. S.** Location and movement of physicians, 1923 and 1938; changes in urban and rural totals for established physicians. Pub. Health Rep., Wash., 1945, **60**: 173–85.—**Mountin, J. W., Pennell, E. H., & Nicolay, V.** Location and movement of physicians, 1923 and 1938; general observations. Ibid., 1942, **57**: 1363; 1752. Also Fed. Bull., Chic., 1942, **28**: 324–38. Also Diplomate, 1943, **15**: 1–10. ——— Location and movement of physicians, 1923 and 1938; effect of local factors upon location. Pub. Health Rep., Wash., 1942, **57**: 1945–54. ——— Location and movement of physicians, 1923 and 1938; age distribution in relation to county characteristics. Ibid., 1943, **58**: 483–90. ——— Location and movement of physicians, 1923 and 1938; turnover as a factor affecting state totals. Diplomate, 1943, **15**: 123–30.—**Muhlens.** Zur Frage der Auswanderung von Aerzten nach Lateinamerika und anderen Ländern. Deut. med. Wschr., 1919, **45**: 1389.—**Nelson, L.** Distribution, age, and mobility of Minnesota physicians, 1912–36. Am. Sociol. Rev., 1942, **7**: 792–801.—**Pennell, E. H.** Location and movement of physicians; methods for estimating physician resources. Pub. Health Rep., Wash., 1944, **59**: 281–96.—**Schilling, C.** Auswanderung und Aerzte. Reichs Med. Anz., 1920, **45**: 145–7.—**Wallner, A.** Auswanderung nach Nordamerika (Ratschläge für junge Aerzte) Münch. med. Wschr., 1926, **73**: 1757.

—— Physician, alien.

Alien (The) doctor question. Brit. M. J., 1942, **1**: Suppl., 62.—**Alien** doctors' employment. Ibid., 1941, **2**: 598.—**Alien** doctors: list of alien doctors licensed by the Commonwealth Alien Doctors Board, at 1st January, 1944. Australas. J. Pharm., 1943, **24**: 679.—**Alien** physicians. Northwest M., 1942, **41**: 261.—**Alien** physicians; shall they be licensed; standards must be maintained. California West. M., 1942, **57**: 257.—**Alien** practitioners. Brit. M. J., 1941, **2**: Suppl., 65.—**American** doctors [question in Parliament] Lancet, Lond., 1941, **2**: 682.—**Borrell, J. H., Hamilton, B. W., & Bauer, J. L.** Bill proposes ban on aliens in practice of medicine in N. Y. Bull. Onondaga Co. M. Soc., 1938–39, **3**: No. 7, 7.—**Castiglioni, P.** L'esercizio dei medici stranieri. Ann. med. pubb., 1877, **11**: 89–91.—**Concession** to alien physicians [Great Britain] J. Am. M. Ass., 1942, **118**: 474.—**Cowan, D. R. W.** Alien medical practitioners. Med. J. Australia, 1941, **2**: 686.—**E., K. A.** The emigré physician. Week. Roster, Phila., 1941–42, **37**: 801.—**Edsall, D. L.** The émigré physician in American medicine. J. Am. M. Ass., 1940, **114**: 1068–73. Also Fed. Bull., Chic., 1940, **26**: 115–28. ——— & **Putnam, T. J.** The émigré physician in America, 1941; a report of the National Committee for Resettlement of Foreign Physicians. Ibid., 1942, **28**: 7–27.—**Effect** of the modified Armbruster Law on foreign physicians. J. Am. M. Ass., 1935, **105**: 211.—**Employment** of alien physicians in hospitals. Ibid., 1942, **119**: 200.—**Employment** of alien practitioners. Brit. M. J., 1942, **1**: Suppl., 49.—**Foreign** doctors; a meeting at B. M. A. house. Ibid., 1944, **2**: 732.—**Foreign** doctors in France. Ibid., 1935, **2**: 117. Also Lancet, Lond., 1935, **2**: 42.—**Foreign** physicians in Britain. J. Am. M. Ass., 1942, **118**: 660.—**Friedemann, U.** The problem of the physician emigré. Med. Leaves, Chic., 1942, **4**: 198–202.—**Graham-Little, E.** Private practice of alien doctor. Brit. M. J., 1943, **1**: 148.—**Haseltine, M.** Temporary registration in the United Kingdom for Canadian and U. S. A. doctors. Bull. Acad. M. Toronto, 1940–41, **14**: 37.—**Interment** of alien physicians and nurses [England] J. Am. M. Ass., 1940, **115**: 144.—**Lavalée, G.** La situation baroque des médecins étrangers. Concours méd., 1940, **62**: 129.—**Lavalle Argudín, R.** Un caso de justicia. Rev. méd. veracruz., 1943, **23**: 3947–9.—**Medical** (The) emigré. West Virginia M. J., 1942, **38**: 124.—**Mordagne, M.** Exercice de la médecine par les étrangers. Presse méd., 1935, **43**: 1118.—**Mühlens, P.** Zur Frage der Auswanderung von Aerzten nach Lateinamerika und anderen Ländern; Brasilien und Mexiko. Deut. med. Wschr., 1920, **46**: 468.—**Musil, E.** Möglichkeiten der Auslandstätigkeit. Oesterr. Aerztezig, 1948–49, **4**: 77–9.—**National** Security (Alien Doctors) Regulations; list of alien doctors licensed by Commonwealth Alien Doctors' Board at September 1, 1942. Australas. J. Pharm., 1942, **23**: 709.—**Overcrowded** (An) profession? Lancet, Lond., 1938, **1**: 1022.—**Pfaff, R. A.** Concerning emigré physicians and the California laws. California West. M., 1942, **56**: 108. Also Fed. Bull., Chic., 1942, **28**: 115 (Abstr.)—**Registration** (The) of alien doctors. Med. J. Australia, 1942, **1**: 269.—**Registration** (The) of alien practitioners. Ibid., 1941, **2**: 522.—**Rice, E. E.** Alien physicians. J. Oklahoma M. Ass., 1943, **36**: 111.—**Schmid, F.** Die Zulassung von Ausländern zur Ausübung der ärztlichen Praxis zu den ärztlichen Prüfungen und zu den klinischen Assistenzstellen in Deutschland und der Schweiz. Korbl. Schweiz. Aerzte, 1898, **28**: 762–72.—**Status** of foreign physicians. N. York State J. M., 1943, **43**: 123–34.—**Todavia** el asunto de los médicos extranjeros. Labor méd., Méx., 1940, **8**: 58.

—— Refugee.

See also **Migrant**, Refugee.

International Refugee Organization. Health Division [Genève] Professional medical register. 421p. 24cm. Genève [1949?]

Amir Chand. The problem of refugees and refugee doctors. J. Ind. M. Ass., 1947–48, **17**: 383–6.—**Bunting, R. W.** The educational problem presented by the refugee dentist from Europe. Proc. Am. Ass. Dent. Schools, 1939, **16**: 40–6.—**Burgess, A. M.** Resettlement of the displaced physician in the United States. J. Am. M. Ass., 1950, **143**: 413–7.—**Edsall, D. L.** A program for the refugee physician. Bull. Am. Psychoanal. Ass., 1938–39, **2**: 51–5.—**Findlay, L., & Burgess, A. M.** Refugee physicians in the U. S. Zone of Germany and the Munich Medical Teaching Mission of 1948. J. Am. M. Ass., 1948, **138**: 813–6.—**Frederick, B. N.** What of the refugee physician? Canad. Doctor, 1939, **5**: No. 7, 13–9.—[**Great Britain**] A propos d'un refus. Praxis, Bern, 1942, **31**: 571.—**Kelly, A. D.** Refugee physicians. Bull. Vancouver M. Ass., 1946–47, **23**: 328–32. Also Manitoba M. Rev., 1947, **27**: 695–8. Also Ontario M. Rev., 1948, **15**: 14–20.—**Maris, R.** Doctors from abroad. Hygeia, Chic., 1942, **20**: 102.—**Medical** refugees in England. J. Am. M. Ass., 1936, **107**: 49.—**Menges, R.** Enter the DP physician. Med. Econom., 1949–50, **27**: 67–70.—**Navarrete B., F.** Pobre médico mexicano. Rev. méd., Puebla, 1943, **16**: No. 152, 40–2.—**Problem** (The) of the refugee physician. J. Am. M. Ass., 1938, **111**: 1102.—**Refugee** doctors for rural areas [Australia] Ibid., 1939, **113**: 345.—**Refugees** and the professions. Fed. Bull., Chic., 1939, **25**: 356–62.—**Refugee** wins right to take examination to practice. Ibid., 1942, **28**: 185. Also J. Am. M. Ass., 1942, **119**: 356.—**Report** of the Emergency Committee on Relief and Immigration. Bull. Am. Psychoanal. Ass., 1938–39, **2**: 41–3.—**Taylor, P. S., & Rowell, E. J.** Refugee labor migration to California, 1937. Month. Labor Rev., 1938, **47**: 240–50.—**Warburg, B., Lewin, B. D., & Kubie, L. S.** The emergency committee on relief and immigration of the American Psychoanalytic Association. J. Nerv. Ment. Dis., 1941, **93**: 416.

MIGROL.

See under **Phenazon**, Derivatives.

MIGROPHEN.

See under **Phenyl derivative.**

MIGROPLASTICS.

See **Migrating flap.**

MIGUEL, Benito de. *Los cirrosis de origen esplénico. 109p. 27cm. B. Air., E. Spinelli, 1905.

MIGUEL Gomara, Jaime. Estudio experimental del shock traumático; influencia de la vasoconstricción arteriolar sostenida y el tono vasoconstrictor en la patogenia del shock. p.32–96. diagr. 24cm. Barcel., 1946.

In: Rev. españ. fisiol., 1946, **2**:

MIGUEL Martínez, José. Tratado de anestesia. xxiv, 726p. illust. portr. tab. 25cm. Barcel., Salvat ed., 1946.

MIGUEL y Viguri, Issidoro de, 1851–99. Indicaciones de la trepanación en los traumatismos del cráneo. 112p. pl. 8° Madr., R. Rojas, 1898.

For biography see in Méd. madrileñ., Madr., 1934, 167 (Alvarez-Sierra, J.)

MIGUERES, Paul, 1909– *Contribution à l'étude du pneumothorax thérapeutique et de ses résultats chez l'indigène algérien Musulman tuberculeux adulte [Alger] 83p. 25cm. Lyon, M. & L. Riou, 1936.

MIGULA, Emil Friedrich Walter, 1863–1938. Die Brand und Rostpilze; ein Hilfsbuch zu ihrem Erkennen, Bestimmen, Sammeln, Untersuchen und Präparieren. 132p. pl. 26½cm. Stuttg., Franckh. Verl., 1917.

Forms Bd 13, Handb. prakt. naturwiss. Arbeit.

For obituary see Chron. bot., Leiden, 1939, **5**: 285, portr.

MIGULANUM.

See also **Bacillus.**

Enderlein, G. Ein neues Bakteriensystem auf vergleichend morphologischer Grundlage. Sitzber. Ges. Naturforsch. Freunde, Berl., 1917, 309–19.

MIHAELIDOS, Nikolaos A. Ἐργαστηριακὴ διαγνωστική. 2v. in 1. θ′, 1 l., 299p.; p. l., 480p. illust. plates. 23½cm. Athénai, P. D. Sakellarios, 1927.

MIHAILOFF, Nicolas, 1906– *Contribution à l'étude de la tuberculose du testicule à forme hypertrophique. 89p. 8° Par., L. Rodstein, 1934.

MIHAILOVIC, Vojislav, 1879–1948.
For obituary see Srpski arh. celok. lek., 1948, **46:** 728–31.

MIHAILOW, Nicolas [M. D., 1931, Genève] *Contribution à l'étude de la toxémie gravidique récidivante [Genève] 33p. 8° Annamasse, Impr. Granchamp, 1931.

MIHALAKEAS, N. P. Ἀνατομικὴ τοῦ ἀνθρώπου. γ′ ἔκδ. 2v. in 1. η′, θ′, 490p., 12p.; p. l., p. 491–913. paged continuously. illust. 26½cm. Athénai, Typogr. Pyrsos, 1931.

MIHALOVICI, Abraham, 1910– *Contribution à l'étude des méningites à pneumocoques. 60p. 8° Par., M. Vigné, 1937.

MIHARA, Ryōseki, 1805–86.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 140.

MIHARA, Tokinobu, 1897– ed. English-Japanese dictionary in roman letters. xvi, 541p. 20½cm. Salt Lake City, Orient. Cult. Bk Co., 1947.

MIHM, Balthasar, 1908– *Die Fälle von Gonoblennorrhoe der Neugeborenen der Universitäts-Frauenklinik Berlin aus den Jahren 1926–34. 31p. 8° Berl., P. Brandel, 1935.

MIHOFF, Nicolas T., 1904– *Invagination intestinale provoquée par le diverticule de Meckel. 62p. 8° Par., M. Lac, 1933.

MIHURA, Jules.
See **Prieur, L., & Mihura, J.** Guide administratif des questions médico-légales. 179p. 8° Par., 1917.

MIJLPAAL-SERIE. Brux., 1944–

CONTENTS

No. 9. Eerste hulp bij ongevallen. 2. uitg. De Groote, M., 1944.

MIJNLIEFF, Cornelis Johannes. Die Pathogenese des Ertrinkens in Zusammenhang mit der Behandlung. 58p. pl. 8° Berl., C. Heymann, 1937.

—— & **QUANJER, Aaldert Arnold Jan.** Gegevens ... op het gebied van het reddingwezen en eerste hulp bij ongelukken. viii, 244p. tab. 23½cm. Rotterdam, W. L. & J. Brusse, 1915.

MIKA, Josef, 1897– Die exakten Methoden der Mikromassanalyse. xii, 180p. illust. tab. diagr. 25cm. Stuttg., F. Enke, 1939 (Ann Arb., Edwards Bros, 1943)
Forms Bd 42, Die chemische Analyse.

MIKA.

See also **Birth control; Hypospadias; Penis,** Surgery; **Urethra,** Fistula.

Lehmann-Nitsche, R. Der Zweck der Mika-Operation der Eingeborenen Australiens. Mitt. Gesch. Med. Naturwiss., 1929, **28:** 249.—**Lorentzen.** Die Mikaoperation; Bemerkungen zu dem Aufsatze von A. Hegar. Münch. med. Wschr., 1912, **59:** 202.—**Senn, N.** The mika or kulpi operation. In his Around the World, Chic., 1905, 113.

MIKAELIAN, Ruben Khristoforovich, 1891–1945.
For obituary see Vest. oft., 1946, **25:** No. 2, 38.

MIKAMI, Haruo. Konwa-seraretaru tanpakusitu no kanetu hensei ni kan-suru kesseigakuteki kenkyū; syosyu no kessei ni kan-suru kenkyū. p.2105–68. tab. ch. 26cm. Tōkyō, 1937.
In: Sci i kai M. J., 1937, **56:**

MIKAMO, Yosio, 1875–1950. Ityō-byō (kotoni musansyō) to hinketu. p.623–78. tab. 23½cm. Tōkyō, 1935.
In: Nippon syokakibyo gakkai zassi, 1935, **34:**

MIKAN, Josef Bohumir, 1742–1814.
For biography see Nature, Lond., 1942, **150:** 628.

MIKANIA.

See also **Compositae;** see also **Guaco,** in 1st and 2nd series.

Gomez da Cruz, J. P., & Liberalli, C. H. Contributo allo studio della Mikania hirsutissima DC. Boll. chim. farm., 1938, **77:** 693–702. Also Rev. flora med., Rio, 1938, **4:** 323; passim.—**Lucas, V.** Estudo farmacognostico do guaco, Mikania glomerata Sprengel; Compositae. Ibid., 1942, **9:** 101–32.

MIKAWA, Saburō. Zyōhi-syōtai tekisyutu ni yoru zikken-teki hakunaisyō no kenkyū. p.1063–127. illust. pl. tab. ch. 26cm. Tōkyō, 1936.
In: Acta Soc. ophth. jap., 1936, **40:**

MIKESELL, William Henry, 1887– Mental hygiene. xvi, 456p. illust. diagr. 21cm. N. Y., Prentice-Hall, 1939.

MIKHAIL, Georges [M. D., 1941, Genève] *Contribution à l'étude des porteurs de germes diphtériques. 24p. tab. 23cm. Genève, Impr. du Progrès, 1941.

MIKHAIL, Makram, 1911– *Contribution à l'étude des suites des opérés de l'appendicite aiguë [Lyon] 52p. 8° Villefranche, Impr. Réveil du Beaujolais, 1937.

MIKHAIL, Rouchdi Guindi. *Contribution expérimentale à l'étude du rapport lipidique de Macheboeuf et Sándor chez l'homme [Strasbourg] 159p. tab. 24½cm. Clermont-Ferrand, Impr. Mont-Louis, 1940.

MIKHAIL, William, 1917– *Contribution à l'étude du pemphigus aigu, maladie professionnelle. 67p. 24cm. Par., M. Lavergne, 1940.

MIKHAILOV, D. Что такое женские болезни. 32p. illust. 17cm. Moskva, Gosud. med. izdat., 1929.

MIKHAILOVKA, Russia.

Punin, N. Sanitarnyi ocherk derevni Mikhaĭlovki bliz Krasnago Sela (Peterburgskoĭ gubernii) Voen. med. J., 1893, **178:** unoffic. pt, 2. sect., 214–60.

MIKHAILOVSKY, Ivan Osipovich, –1937.
For obituary see Khirurgia, Moskva, 1938, No. 7, 171, portr. (Voronkov)

[MIKHTOV] מכתב לחבר מאת הקעד המרכז
Tel-Aviv, No. 9, 1941–

MIKI, Yosihide, 1887– Eisei-bu syōkō netti eisei tyūi-syo. 2p., 8p., 168p. tab. 13cm. Tokyo, 1940.
Forms v.**96,** Tyōi-syo Imu-kyoku Rikugun-syō.

MIKI, Yosiro. Tai-gai baiyō sosiki no hatuiku ni oyobosu vitamin no eikyō. p.1–57. tab. ch. 25½cm. Kyōto, 1943.
In: Orient. J. Dis. Inf., Kyoto, 1943, **33:**

MIKI, Yosisada, –1942.
For obituary see Okayama igakkai zassi, 1942, **54:** 1007.

MIKISKA, Alois. Dítě, klenot nejdražší; ošetření a výživa dítěte. 380p. illust. tab. ch. form. 20½cm. Praha, Zivot a Práce, 1946.

MIKK, Paul, 1889–
For biography see in Aerzte Estlands (Brennsohn, I.) Riga, 1922, 481.

MIKKELSEN, Ejnar, 1906–
For biography see in Danske laegestand, 11. udg., Kbh., 1936, 1100.

MIKKELSEN, Kristian Zachaeus, 1893–1941.
For biography see in Danske laegestand, 11. udg., Kbh., 1936, 688, portr.

MIKKELSEN, Otto Johan Michael Brasch, 1895– *Undersøgelser over de hos mennesket forekommende former af Bacterium coli. 150p. tab. 26cm. Kbh., Kandrup & Wunsch, 1927.
For biography see Nord. med. tskr., 1937, **14**: 1067, portr.
For portrait [caricature] see Medicineren, Kbh., 1938, **3**: No. 3, 15.

MIKKELSEN, Svend Kurt, 1908–
For biography see in Danske laegestand, 11. udg., Kbh., 1936, 688, portr.

MIKKELSEN, Viggo Helweg, 1909–
*Kvantitativ bestemmelse af glycerin i galeniske praeparater. 170p. tab. ch. 23½cm. Kbh., E. Munksgaard, 1949.
Also Arch. pharm., Kbh., 1949, **56**:

MIKLASZEWSKI, Walenty, 1868–
For biography see in: Czy wiesz kto to jest, Warsz., 1938, 488.

MIKLAW, Alexander, 1899– *Die Behandlung der Harnröhrenrupturen sowie der traumatischen und entzündlichen Harnröhrenstrikturen in der Chirurgischen Universitätsklinik Rostock [1901–24] 32p. 8° Rostock, W. H. Winterberg, 1927.

MIKLAW, Eduard, 1871–
For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 292.

MIKLER, Jonas, 1910– *Contribution à l'étude de l'évolution de la scarlatine chez l'enfant. 31p. 8° Par., Impr. Pascal, 1934.

MIKOL, Edward Xavier, 1905– A manual of methods for organizing and maintaining a central tuberculosis case register. 70p. illust. form. 23cm. N. Y., Nat. Tuberc. Ass., 1943.

MIKOREY, Max, 1899– *Ueber einen atypischen Fall metastatischer Wirbelkarzinose mit syringomyelieähnlichem Symptomenkomplex und ein Sarkom des extraduralen Raumes. 32p. 8° Münch., C. Wolf & Sohn, 1928.

MIKOSCH, Lambert. Stirbt unser Volk? der Geburtenrückgang in Oesterreich und seine Folgen. 47p. illust. 8° Klagenfurt, F. Kleinmayr, 1937.

MIKOSIBA, Kageyuki. Usen-sei usnin-san narabi-ni sono bunkai-seiseki-tai no yakurigakuteki kenkyū. [57]p. tab. ch. 25½cm. Tōkyō, 1933.
In: Mitt. Med. Ges. Tokyo, 1933, **47**: 1429; 1645.

MIKOVITCH, Bochko, 1905– *Les hématomes extra-duraux à symptomatologie anormale. 63p. 8° Par., Presses Modernes, 1931.

MIKRANDER, Lorenz, –1706.
For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 292.

MIKRO ...

See also **Micro ...**

MIKROBIN.

See also **Food,** Preservation.
Neisser, M., & Tillmans, J. Ueber Mikrobin. Zschr. Untersuch. Lebensmitt., 1927, **54**: 315.—**Von der Heide, C., & Föllen, R.** Zur Mikrobinfrage. Ibid., 1926, **51**: 198–203. —— Ueber das Mikrobin. Ibid., 1927, **53**: 487–509.

МИКРОБИОЛОГИЯ; журнал общей, сельскохозяйственной и промышленной микробиологии. Moskva, v.1, 1932–

МИКРОБИОЛОГИЯ; инфекционные болезни, эпидемиология.
See **Советское медицинское реферативное обозрение.** Микробиология, инфекционные болезни, эпидемиология. Moskva, v.1, 1948–

МИКРОБИОЛОГИЧЕСКИЙ журнал. v.7–9, 11, 13. 5v. illust. pl. tab. 24cm. Leningr., 1928–31.

МІКРОБІОЛОГІЧНИЙ журнал. Kiev, v.1, 1934–

MIKROCHEMIE; Zeitschrift für das Gesamtgebiet der Mikrochemie und Mikrophysik. Wien, v.2, 1924–
Absorbed **Mikrochimica acta.** July 1938.

MIKROCHIMICA acta; Organ für reine und angewandte Mikrochemie; Organ der Oesterreichischen mikrochemischen Gesellschaft und des Microchemical Club (Great Britain) 1.–3. Bd. 3v. illust. tab. diagr. 23cm. Wien, 1937–38.
For continuation see **Mikrochemie.**

MIKROKOSMOS; Zeitschrift für angewandte Mikroskopie, Mikrobiologie, Mikrochemie u. mikroskopische Technik; Jahrbuch der Mikroskopie. Stuttg., v.6, 1912–
Continuation of **Zeitschrift für angewandte Mikroskopie.**

MIKROSKOPIE; Zentralblatt für mikroskopische Forschung und Methodik. Wien, v.3, 1948–
—— Sonderband. 3v. illust. ch. 23½cm. Wien, G. Fromme & Co., 1949–

CONTENTS

v.1. Beiträge zur Fluoreszenzmikroskopie. Bräutigam, F., & Grabner, A., eds. 1949.
v.2. Das Mikroskop und seine Nebenapparate. Patzelt, V. 1950.
v.3. Mikroskopische und chemische Beiträge zum Krebsproblem. Coronini, C., ed. 1949.

MIKTOHAPLONT.

See under **Chromosome;** also **Genotype.**

MIKULA, Metod, 1885–
For biography see Prakt. lék., Praha, 1945, **25**: 160, portr. Also Cas. lék. česk., 1945, **84**: 711, portr.

MIKULICZ cell.

See under **Rhinoscleroma.**

MIKULICZ disease [1888; 1892]

See also **Granuloma benignum; Lacrimal gland,** Disease; **Mikulicz syndrome; Parotid,** Disease; **Reticulosis; Salivary gland,** Disease; **Submandibular gland,** Disease; **Uveoparotid fever.**
Aboulker, P., & Dreyfuss, A. La maladie de Mikulicz. Presse méd., Par., 1936, **44**: 1139–41. Also Rev. stomat., Par., 1936, **38**: 812–23.—**Abraham, A.** Ueber Mikuliczsche Krankheit. Med. Klin., Berl., 1926, **22**: 1759–61.—**Barclay, L.** Mikulicz's disease. Canad. M. Ass. J., 1930, **22**: 498–501.—**Bergeret & Gahinet.** A propos de la maladie de Mikulicz. Bull. méd., Par., 1936, **50**: 122; 143.—**Celoria, J., & Güeglio, J. A.** Enfermedad de Mikulicz. Rev. Soc. pediat. Rosario, 1945, **10**: 253–9.—**Cheinisse, L.** La maladie de Mikulicz. Sem. méd., Par., 1905, **25**: 37–9.—**Gaines, T. R.** Mikulicz' disease. J. S. Carolina M. Ass., 1936, **32**: 232.—**García Carrillo, E.** Un afección muy rara; la enfermedad de Mikulicz. Rev. méd., S. José, 1941–43, **5**: 178–80.—**Geisler, E. K.** [Mikulicz's disease] Vrach. gaz., 1923, **27**: 268–71.—**Gukovski, E. I.** [O bolezni Mikulicz'a] Vest. oft., 1909, **26**: 337.—**Gundrum, F. S.** Mikuliczeva bolest. Liječ. vjes., 1908, **30**: 202–8.—**Heaton, T. G., & Shannon, E. H.** Mikulicz's disease. Canad. M. Ass. J., 1948, **58**: 368–70.—**Külbs.** Ueber Mikuliczsche Krankheit. Mitt. Grenzgeb. Med. Chir., 1908, **18**: 754–61, pl.—**Kuhlmann, F.** Ueber die Mikuliczsche Krankheit. Med. Zschr., 1944–45, **1**: 130–2.—**Laroy, L.** La maladie de Mikulicz. J. chir., Brux., 1907, **7**: 517–49, 5 pl.—**Lehman, J. A., & Leaman, W. G.,** jr. Mikulicz' disease. Internat. Clin., 1940, 3. ser., **3**: 105–11, pl.—**Mensi, E.** Il morbo di Mikulicz nell'età infantile. Minerva med., Tor., 1926, **6**: 165–74.—**Mikulicz's** disease. Med. Classics, 1937–38, **2**: 135.—**Monteiro, A.** Doença de Mikulicz. Rev. brasil. otorinolar., 1942, **10**: 702–4.—**Moura, P., & Moura, L.** Doença de Mikulicz. Rev. brasil. med., 1949, **6**: 130–2.—**Puscariu, E., & Lazarescu, D.** La malattia di Mikulicz. Ann. ottalm., 1933, **61**: 161–9.—**Redslob.** Quelques mots au sujet de la maladie de Mikulicz. Bull. Soc. opht. Paris, 1938, 284.—**Tiscornia, A., & Nano, H. M.** Enfermedad de Mikulicz. Sem. méd., B. Air., 1940, **47**: 301–7.—**Walsh, J.** Mikulicz's disease. Am. J. Ophth., 1945, **28**: 1369.

—— Associated diseases.

Gaevich, E. P. [Mikulicz' disease and tuberculosis] Sovet. vest. oft., 1936, **9**: 337–41.—**John, H. J.** Mikulicz's disease and diabetes. J. Am. M. Ass., 1933, **101**: 184–7.—**Nolan, M. J.** A case of Mikulicz's disease associated with dementia præcox. Irish J. M. Sc., 1928, 6. ser., 223–7, 2 pl.—**Schmidt, R.** Mikuliczsche Krankheit plus Paralysis agitans sine agitatione. Med. Klin., Berl., 1918, **14**: 405.

—— Cases.

Runge, F. E. G. *Ueber einen Fall von Mikulicz'scher Krankheit (Auszug) [Leipzig] 8p. 8° Roding., 1923.

Aboulker, P. Un cas de maladie de Mikulicz. Ann. otolar., Par., 1936, 893-900.—**Atkinson, J.** Case of Mikulicz's disease. Proc. R. Soc. M., Lond., 1912–13, **6**: Laryng. Sect., 1.—**Bankovsky, E. G.** [Mikulicz's disease; case] Vest. sovet. otorinolar., 1932, **25**: 97.—**Barbrick, J. F.** Mikulicz's disease; clinical report of a case with presentation of the patient. California Eclect. M. J., 1915, **8**: 187-90, pl.—**Bentsen, K. G.** Et tilfaelde af Mikulicz' sygdom. Nord. med., 1945, **25**: 698.—**Courchet.** Un cas grave de maladie de Mikulicz. Rev. stomat., Par., 1927, **29**: 756–60.—**Déjean, C., & Vergues.** Un cas de maladie de Mikulicz. Arch. Soc. sc. méd. biol. Montpellier, 1938, **19**: 404–6.—**Denning, B.** Mikulicz's disease. Med. J. Australia, 1942, **2**: 154.—**Egerton, G. B.** A case of Mikulicz's disease. Brit. M. J., 1926, **2**: 686.—**Evans, J. J.** A case of Mikulicz's disease. Birmingham M. Rev., 1911, **70**: 80–7.—**Folk, M. R.** Bilateral dacryoadenitis with involvement of right parotid and submaxillary glands, Mikulicz's disease. Am. J. Ophth., 1938, 3. ser., **21**: 1268.—**Fridericia, L. S.** Et tilfaelde af morbus Mikulicz. Forh. Dansk selsk. int. med., 1916–17, 16. Also Ugeskr. laeger, 1917, **79**: 341.—**Grieg, H.** [A case of Mikulicz' disease] Med. rev., Bergen, 1920, **37**: 350–4.—**Harmel.** Ein Fall von Mikuliczscher Krankheit. Deut. med. Wschr., 1909, **35**: 1616.—**Hirschfeld, K.** Mikulicz's disease. Med. J. Australia, 1941, **2**: 629.—**Kawasaki, S.** Ueber zwei Fälle der sogenannten Mikuliczschen Krankheit. Okayama igakkai zassi, 1934, **46**: 802.—**Letulle, M., & Duclos, L.** Maladie de Mikulicz. Bull. Soc. fr. opht., 1929, **42**: 452–61.—**Marquès, P., & Canihac, J.** A propos d'un cas de maladie de Mikulicz. J. radiol. électr., 1949, **30**: 723.—**Morgan, O. G.** Bilateral enlargement of lacrimal gland; case report. Proc. R. Soc. M., Lond., 1937–38, **31**: 1100.—**Narog, F.** [A case of Mikulicz' disease] Polska gaz. lek., 1924, **3**: 186–8.—**O'Brien, J. P.** A case of Mikulicz's disease; exhibition of case. Tr. Coll. Physicians Philadelphia, 1924, 3. ser., **46**: 356.—**Owen, H. B., & Hennessey, R. S. F.** A case of Mikulicz' disease. Brit. J. Ophth., 1930, **14**: 582–7, pl.—**Posey, W. C.** Mikulicz's disease. Tr. Coll. Physicians Philadelphia, 1916, 3. ser., **38**: 345. Also Ophth. Rec., Chic., 1916, **25**: 286–9.—**Richard.** Maladie de Mikulicz: présentation d'un cas. Rev. stomat., Par., 1927, **29**: 761–3.—**Rodolfo, A.** Sobre un caso de enfermedad de Mikulicz. Sem. méd., B. Air., 1919, **26**: 124.—**Ross, J. A., & Shepheard-Walwyn.** A case of Mikulicz's disease. Tr. Ophth. Soc. U. K., 1923, **43**: 332–40.—**Segagni, S.** Il morbo di Mikulicz nell'infanzia. Clin. igiene inf., 1927, **2**: 80–5.—**Shoemaker, W. T.** A case of bilateral enlargement of the lacrimal glands. Ann. Ophth., S. Louis, 1904, **13**: 513–9.—**Siebenmann.** Ein Fall von Mikulicz'scher Krankheit. Korbl. Schweiz. Aerzte, 1916, **46**: 1175.—**Smith, J. F., & Bump, W. S.** Lymphoid hyperplasia of lacrymal and salivary glands; Mikulicz' disease. Ann. Surg., 1928, **88**: 91–7.—**Thibault, R. G., Hennion, P., & Bataille.** Un cas de maladie de Mikulicz. Rev. stomat., Par., 1943, **44**: 150.—**Van der Straeten.** Gonflement bilatéral des glandes lacrymales et salivaires et maladie de Mikulicz. Bull. Soc. opht. Paris, 1934, **46**: 442–64.

—— Diagnosis.

See also **Mikulicz syndrome.**

Cipriani, P. L. La sindrome e la malattia di Mikulicz; due rare osservazioni di malattia di Mikulicz. Arch. De Vecchi, 1949, **12**: 619–41.—**Dixon, F. W.** Mikulicz' disease and syndrome. Arch. Otolar., Chic., 1932, **15**: 438–41.—**Franke.** Mikuliczsche Krankheit. Deut. med. Wschr., 1918, **44**: 87.—**Griffith, J. P.** Mikulicz's disease and the Mikulicz syndrome. Am. J. M. Sc., 1929, **178**: 853–60, pl.—**Heath, P.** Mikulicz's disease and syndrome. Tr. Am. Ophth. Soc., 1947, **45**: 269–81, 3 pl. Also Am. J. Ophth., 1948, **31**: 955–64.—**Leucutia, T., & Price, A. E.** Mikulicz's disease and the Mikulicz syndrome; their treatment by irradiation. Am. J. Roentg., 1930, **24**: 491–515.—**MacKee, G. M.** A case for diagnosis, Mikulicz' disease? Arch. Derm. Syph., Chic., 1940, **42**: 726–8.—**Molina, R. J.** Enfermedad o síndrome de Mikulicz. Rev. Fac. cienc. méd. Univ. Córdoba, 1946, **4**: 15–33.—**Procopio, F.** Malattia e sindrome di Mikulicz nei bambini. Rinasc. med., 1930, **7**: 554.

—— Pathogenesis.

See also **Mikulicz syndrome.**

Broicher, G. *Ist die Mikulicz'sche Krankheit eine Infektionskrankheit, eine Erkrankung sui generis? 27p. 8° Bonn, 1932.

Aschner, B. Zur Kenntnis des Morbus Mikulicz als Systemerkrankung der Speicheldrüsen. Wien. Arch. inn. Med., 1937, **30**: 327–36.—**Carlborg, U.** Mikulicz' sjukdom, febris uveoparotidea, keratoconjunctivitis sicca. Nord. med. tskr., 1937, **13**: 629–31.—**Coppez, H.** Remarques sur un cas de fièvre uvéo-parotidienne; maladie de Mikulicz. Bull. Soc. belge opht., 1922, No. 45, 40–8, illust.—**Jackson, E.** Mikulicz's disease and uveo-parotitis. Am. J. Ophth., 1935, **18**: 469.—**Lehmann, K.** [Uveoparotitis] Hospitalstidende, 1917, 8. R., **10**: 1045–7.—**Macdonald, A. D.** Mikulicz disease and uveoparotid fever. Abstr. Theses Univ. Aberdeen, 1934, 30.—**Schultz, A.** Boeck's sarcoid with uveoparotitis and dacryoadenitis; report of a case. Am. J. Ophth., 1945, **28**: 1010–4.—**Weve, H.** [Familial pseudotuberculosis; Mikulicz-Heerfordt disease] Ned. tschr. geneesk., 1926, **70**: pt 2, 2187–9.

—— Pathology.

Carl, F. *Ueber Schädigungen der Mundhöhle bei der Mikuliczschen Krankheit (Auszug) 7p. 8° Lpz., 1922.

Chirac, A. de. *Contribution à l'étude de la maladie de Mikulicz. 55p. 8° Par., 1936.

Deslandres, J. M. *Contribution à l'étude de la maladie de Mikulicz. 63p. 8° Dijon, 1930.

Ardoin & Dechaume. Une observation de forme tumorale de maladie de Mikulicz fruste. Rev. stomat., Par., 1938, **40**: 248–56.—**Baldenweck, L., & Leroux-Robert, J.** Maladie de Mikulicz avec participation laryngée. Ann. otolar., Par., 1940, 1–8.—**Bourgain, M., & Laborit, H.** Bacillose atypique; réticulo-endothéliose ganglionnaire cervicale, de nature tuberculeuse, au cours d'une maladie de Mikulicz. Rev. tuberc., Par., 1944–45, **9**: 306–8.—**Georgievskaia, V. S.** [Various forms of Mikulicz' disease] In: Sborn. Abrikosova (P. D. Solovev) Moskva, 1936, 262–7.—**Groag, P.** Ueber das Verhalten des Leukozyten- und sonstigen Blutbildes bei einem Fall von Mikulicz-Erkrankungen nach Kurzwellenbehandlung. Wien. klin. Wschr., 1934, **47**: 1165–9: Disc., 1422.—**Hargreaves, J. M.** Mikulicz's disease. In: Atlas Dent. Path. (Bernier, J. L., et al.) 2. ed., Chic., 1942, 151, pl.—**McDonald, S., & Wardale, J. D.** Note on a case of Mikulicz's disease. Proc. Path. Soc. Gr. Britain, 1912–13, **17**: 113.—**Proby, H.** Les rapports de la maladie de Mikulicz avec les diverses formes de parotidite subaiguë ou chronique. Ann. otolar., Par., 1938, 524–8.—**Rebattu, Mounier-Kuhn & Sprecher.** Sténose sous-glottique et maladie de Mikulicz. Ibid., 472.

—— Treatment.

Campuzano Cacho, P. Enfermedad de Mikulicz y tratamiento Roentgen. Siglo méd., 1934, **94**: 119–21.—**Hodges, F. M.** Treatment of Mikulicz's disease. Bull. Stuart Circle Hosp., Richmond, 1935, **5**: 100–7. Also South. M. J., 1935, **28**: 205–9.—**Huss, J. H., & Wilson, J. A.** Treatment of a case resembling Mikulicz's disease. Meriden Hosp. Bull., 1947–48, **1**: No. 4, 1–8.—**Jackson, A. S.** Mikulicz's disease; a report on a patient treated with penicillin. Am. J. Surg., 1945, **68**: 358–63.—**Kindler, W.** Zur Entstehung und Behandlung der Mikuliczschen Krankheit. Zschr. Laryng., 1935, **26**: 22–5.—**Lüdin, M.** Die Mikulicz'sche Krankheit und ihre Behandlung mit Röntgenstrahlen. Korbl. Schweiz. Aerzte, 1915, **45**: 1014.—**Pinch, A. E. H.** Two cases of Mikulicz's disease treated with radium. Brit. M. J., 1926, **2**: 586.—**Smith, J. F., & Bump, W. S.** Mikulicz' disease. Tr. West. Surg. Ass. (1927) 1928, **37**: 53–65.—**Villanueva, M., & Damel, C. S.** Enfermedad de Mikulicz. Arch. oft. B. Aires, 1943, **18**: 599–602.—**Wright, R. E.** Mikulicz disease treated by X-ray. Am. J. Ophth., 1927, 3. ser., **10**: 903–5.—**Ziegler, J.** Zur Röntgenbehandlung der Mikuliczschen Krankheit. Strahlentherapie, 1926, **23**: 528–31.

MIKULICZ drainage.

See also **Drainage,** in medicine; also **Abdomen,** Surgery: Drainage; **Wound,** Drainage.

González Ortiz, J. J. *El Mikulicz en cirugía abdominal. 25p. 22cm. Méx, 1933.

Mazza, A. S. *A drenagem pelo méthodo Mikulicz nas laparatomias gynecológicas [Paraná] 55p. 21½cm. Curitiba, 1929.

Terral, H. J. L. *Les éventrations après le Mikulicz. 47p. 25cm. Bord., 1940.

Auvray. A propos du Mikulicz. Bull. Soc. nat. chir., Par., 1926, **52**: 729–32.—**Cotte, G., & Mathieu, J.** Indications du Mikulicz en gynécologie. Rev. fr. gyn. obst., 1944, **39**: 201–10.—**Faure, J. L.** Utilité du drainage Mikulicz systématique. In: Prat. chir. illust. (Pauchet, V.) Par., 1931, **2**: 22–30.—**Jones, T. E., Paxton, J. R., & Brubaker, R. E.** The intra-abdominal use of the Mikulicz pack. Ann. Surg., 1943, **117**: 256–62.—**Laporte, F.** Le drainage à la Mikulicz sans suture associé à la dérivation des matières, comme méthode de traitement des plaies du segment péritonéal du rectum. Bordeaux chir., 1944, 72–4.—**Maizel, M. B.** [Mikulicz tampon in gynecology] Sovet. vrach. J., 1936, **1**: 1223–8.—**Mukuda, T.** A study on the significance of Mikulicz drainage, especially the significance for the prevention of postoperative infection. Jap. J. Obst., 1939, **22**: 195; 218.—**Opazo, Bunster** [et al.] Sobre el uso del Mikulicz. Bol. Soc. cir. Chile, 1930, 8: 343; 371.—**Perrin.** Fistules sigmoïdo-vésicale et vésico-cutanée à la suite d'un drainage abdominal à la Mikulicz. Lyon chir., 1935, **32**: 581–3.—**Salvini, A.** Note cliniche sull'uso del drenaggio alla Mikulicz nella chirurgia addominale ginecologica. Ginecologia, Tor., 1936, **2**: 285–304.—**Violet, H.** Comment terminer les

opérations gynécologiques au point de vue du drainage et de l'emploi du Mikulicz. Avenir méd., Lyon, 1927, **24**: 146–50.—**W., T. S.** Mikulicz's drain. Am. J. Surg., 1930, **8**: 1103, portr.

MIKULICZ-KUEMMEL syndrome.

See **Lip,** Cheilitis (exfoliativa)

MIKULICZ-RADECKI, Felix von, 1891–

Geburtshilfe des praktischen Arztes. 3. Aufl. xii, 529p. illust. tab. form. 26cm. Lpz., J. A. Barth, 1943.

See also **Bauer, K. H., & Mikulicz-Radecki, F. v.** Die Praxis der Sterilisierungsoperationen. 176p. 8°. Lpz., 1936.

MIKULICZ-RADECKI, Johann von, 1850–1905.

Schramm, H. Wspomnienia o Janie Mikuliczu. Arch. hist. filoz. med., Poznań, 1932, **12**: 230–4.

For biography see Beitr. klin. Chir., 1930, **150**: 1–6 (Küttner, H.) Also Med. Classics, 1937–38, **2**: 107–34, portr.

For obituary see Boston M. & S. J., 1905, **153**: 64. Also Lancet, Lond., 1905, **1**: 1756.

For portrait see Collection in Library. Also Bull. Hist. M., 1942, **12**: 609. Also Zbl. Gyn., 1926, **50**: H. 4, front.

MIKULICZ syndrome.

See also **Mikulicz disease;** also such terms as **Leukemia,** Manifestation; **Leukosis,** aleukemic; **Lymphadenosis; Lymphosarcomatosis; Reticuloendotheliosis; Sarcoidosis;** also under names of primary diseases as **Gout; Syphilis; Tuberculosis.**

BERTHON, G. *Contribution à l'étude du syndrome de Mikulicz. 56p. 8°. Par., 1911.

FRANZONI, W. *Ueber den Mikuliczschen Symptomenkomplex. 30p. 8°. Münch., 1931.

PURCKHAUER, W. *Ueber einen Fall mit Mikuliczschem Symptomenkomplex. 30p. 8°. Würzb., 1926.

WEYLAND, J. *Contribution à l'étude du syndrome de Mikulicz. 83p. 8°. Par., 1927.

Boettner, J. M. Síndrome de Mikulicz. Rev. san. mil., Asunción, 1935, **7**: No. 71, 5–7, illust.—**Browning, W. H.** Mikulicz's syndrome; case reports. N. Orleans M. & S. J., 1934, **87**: 389.—**Carreras, B.** Un caso de síndrome de Mikulicz. Arch. oft. hisp. amer., 1933, **33**: 506–14.—**Cimmino, M.** Su di un caso di sindrome di Mikulicz. Pediatria (Riv.) 1929, **37**: 655–60.—**Damel, C. C.** Contribución del estudio del síndrome de Mikulicz. Rev. espec., B. Air., 1926, **1**: 251–63.—**Daniels, D., Polisner, S. R.** [et al.] [Mikulicz's syndrome] J. Maine M. Ass., 1949, **40**: 186–8.—**Davoli, R.** La sindrome di Mikulicz; contributo casistico. Clinica, Bologna, 1938, **4**: 346–58.—**De Angelis, F.** Sulla sindrome di Mikulicz nell'infanzia. Cult. stomat., Tor., 1930, **7**: 239–42.—**De Jong, S. I., & Joseph, H.** Un cas fruste de syndrome de Mikulicz chez un infantile. Bull. Soc. méd. hôp. Paris, 1908, 3. ser., **25**: 140–4.—**Fernández, J. G., Carri, M. A.** [et al.] Consideraciones a propósito de un caso de síndrome de Mikulicz. An. Hosp. niños, B. Air. (1939–40) 1941, 147–50. Also Sem. méd., B. Air., 1941, **48**: 15–8.—**Ferreira, F.** Sobre o síndromo de Mikulicz; em torno de uma observação clínica. Rev. med. Bahia, 1941, **9**: 20–5.—**Formiggini, B.** Contributo alla casistica della sindrome di Mikulicz. Atti Soc. lombard. sc. med., 1926, **15**: 84–95. Also Gazz. med. lombarda, 1926, **85**: 73–6. Also Cult. stomat., Tor., 1928, **5**: 766–73.—**Frenkel, H.** Sur le syndrome de Mikulicz à l'état physiologique. J. méd. fr., 1908, **2**: 780–6, 2 pl.—**Giannini, E.** Contributo allo studio della sindrome di Mikulicz. Riv. osp., 1940, **30**: 209–26.—**Grandi, G., & Muratori, A.** Contributo allo studio della sindrome di Mikulicz. Atti Soc. med. chir. Padova, 1948, **26**: No. 3, 7.—**Hermann, P.** Syndrome de Mikulicz. Bull. Soc. opht. Paris, 1948, 512–5.—**Hird, A. J.** Mikulicz's syndrome. Brit. M. J., 1949, **2**: 416–8.—**King-Lewis, F. L.** Mikulicz's syndrome. Proc. R. Soc. M., Lond., 1948, **41**: 99.—**Márquez, M.** Un caso de síndrome de Mikulicz atípico. Arch. oft. hisp. amer., 1934, **34**: 513–26. Also Ann. ocul., Par., 1934, **171**: 641–51. Also Bull. Soc. fr. opht., 1934, **47**: 84–94.—**Naegeli, O.** Differentialdiagnose des Mikuliczschen Symptomenkomplexes. In his Differ. Diagn. inn. Med., Lpz., 1936–37, 91.—**Nida.** Syndrome de Mikulicz. Bull. Soc. opht. Paris, 1923, **35**: 339. ——— Syndrome de Mikulicz traité avec succès par la radiothérapie. Ibid., 1924, **36**: 29.—**Pasteur Vallery-Radot, G. P., Blamoutier, P.** [et al.] Radiothérapie et pilocarpine dans le traitement de deux cas de syndrome de Mikulicz avec hypocrinie salivaire. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., **51**: 410–8.—**Schaffer, A. J., & Jacobsen, A. W.** Mikulicz's syndrome; a report of ten cases. Am. J. Dis. Child., 1927, **34**: 327–46.—**Sepúlveda R., D.** Síndroma de Mikulicz. Rev. chilena pediat., 1946, **17**: 691–701. Also Pediat. Américas, Méx., 1947, **5**: 129–36.—**Subba Rao, P. R.** A case of Mikulicz's syndrome. Proc. All India Ophth. Soc., 1931, **2**: 98–103, 4 pl.—**Taylor, F. R.** Mikulicz's syndrome. In: Oxford Med. (Christian, H. A., ed.) N. Y., 1940 **5**: 1085.

—— Etiology, and pathogenesis.

ESCANDE, E. P. *Contribution à l'étude de la pathogénie du syndrome de Mikulicz. 54p. 8°. Par., 1933.

Alvarez Lovell. Síndrome de Mikulicz de origen sifilítico? Actas derm. sif., Madr., 1946–47, **38**: 565–8, pl.—**Bazán, F., & Maggi, R.** Consideraciones sobre el síndrome de Mikulicz descripción de un caso clínico; parotiditis crónica bilateral en un disendocrínico heredoluético. Sem. méd., B. Air., 1925, **32**: 1214–8.—**Bishop, R. C., & Rawson, R. W.** Mikulicz's syndrome with fever as an unusual complication of thiouracil therapy. J. Clin. Endocr., 1946, **6**: 262–5.—**Charvát, J.** [Mikulicz syndrome in diabetes; internal secretion of the salivary glands] Cas. lék. česk., 1932, **71**: 133–7.—**Cohen, C.** Syndrome de Mikulicz au cours d'une leucémie lymphoide. Scalpel, Brux., 1937, **90**: 584.—**Danlos, Blanc & Gaston.** Lymphomes symétriques des paupières, de la joue et de l'oreille gauche sans leucémie. Bull. Soc. fr. derm. syph., 1907, **18**: 336–41.—**Givner, I.** Sarcoid simulating Mikulicz's disease and Parinaud's syndrome. Am. J. Ophth., 1948, **31**: 340.—**Hamburger, L. P., & Schaffer, A. J.** Uveoparotid fever as a manifestation of Mikulicz's syndrome. Am. J. Dis. Child., 1928, **36**: 434–44.—**Hufnagel.** Syndrome de Mikulicz et syphilis. Prat méd. fr., 1930, **11**: 397–400.—**Imaizumi, K.** Ein noch nicht beschriebener Fall von primärer Amyloidentartung der Tränen- und Speicheldrüsen unter dem Bild der Mikuliczschen Krankheit. Tohoku J. Exp. M., 1942, **44**: 381–95.—**Jeanselme, H. L., & Desbrousses.** Syndrome de Mikulicz chez un syphilitique tertiaire. Bull. Soc. fr. derm. syph., 1928, **35**: 20–2.—**Lederer, J.** Syndrome de Mikulicz avec fièvre provoqué par un traitement par l'aminothiazol. Ann. endocr., Par., 1947, **8**: 87–9.—**Massary, E. de, & Tockmann, L.** Syndrome de Mikulicz de nature syphilitique guéri par le traitement mixte. Bull. Soc. méd. hôp. Paris, 1918, 3. ser., **42**: 987.—**Plate, E., & Lewandowsky, F.** Ueber einen Fall von symmetrischer Schwellung der Speichel- und Tränendrüsen nebst Beteiligung des lymphatischen Apparates und der Haut. Mitt. Grenzgeb. Med. Chir., 1912, **25**: 539–48.—**Rees, W. E.** Mikulicz syndrome in association with tuberculosis; report of a case. Lancet, Lond., 1934, **2**: 749–51.—**Tanahasi, Y.** Mikulicz-si syōkōgun malignes lymphom no iti rei [case of Mikulicz' syndrome with malignant lymphoma] Okayama igakkai zassi, 1947, **59**: 34.—**Thomas, C. C.** Sarcoidosis, subcutaneous nodules only, and involvement of the right lacrimal gland? Mikulicz syndrome. Arch. Derm. Syph., Chic., 1942, **46**: 564.—**Vanderstraeten, Appelmans & Massa.** Hypertrophie symétrique des glandes lacrymales et salivaires (syndrome de Mikulicz) lymphome orbitaire; radiothérapie. Bull. Soc. belge ophth., 1934, No. 68, 71; No. 69, 137.—**Ziegler, A.** Beitrag zum Fragenkomplex des Mikuliczschen Syndroms. Wien. klin. Wschr., 1949, **61**: 722–4.

—— Complication.

Appelmans, M. La kérato-conjonctivite sèche de Gougerot-Sjögren; ses rapports avec le syndrome de Mikulicz et la kérato-conjonctivite filamenteuse; sa pathogénie et son traitement. Bull. Acad. méd. Belgique, 1947, **12**: 555–71.—**Larmande, A. M., & Palomba.** Syndrome de Mikulicz, infantilisme et conjonctivite phlycténulaire. Algérie méd., 1947, **50**: 77.—**Riser, R.** Mikulicz's syndrome; right facial paralysis. Am. J. Ophth., 1945, **28**: 412.—**Wood, C. G. R.** Mikulicz's syndrome complicated by Graves' disease. Tr. Ophth. Soc. U. K., 1928 **48**: 398–401.

—— Pathology.

Gerbasi, M., & Ajello, L. Considerazioni cliniche ed anatomo-patologiche sopra un caso di sindrome di Mikulicz. Clin. igiene inf., 1930, **5**: 385–401.—**Kalt, M.** Syndrome de Mikulicz avec tuméfaction ecchymotique des glandes lacrymales et salivaires (lymphomatose disséminée) Bull. Soc. opht. Paris, 1930, 220–6.—**Kubo, M.** Kyūsei-gata Mikulicz-si syōkōgun. [acute-type ...] Zibiinkoka rinsyo, 1942, **37**: 44.—**Miller, J. R., & Eusterman, G. B.** Mikulicz' syndrome; report of a case with associated pulmonary and gastric lesions. Proc. Mayo Clin., 1944, **19**: 425–31.—**Ronchetti, V., & Viganò, A.** Contributo allo studio della sindrome di Mikulicz. Haematologica, Pavia, 1941, **23**: 477–519.—**Schupfer, F.** Sindrome di Mikulicz; contributo clinico ed istologico. Boll. ocul., 1938, **17**: 452–83.—**Wijn, C. L.** Over den samenhang der verschijnselen bij het symptomencomplex van Mikulicz. Med. wbl., Amst., 1914–15, **21**: 586–90.

MIKULIN, Alexandr Alexandrovich, 1895–

For biography see in: 220 let (Akad. nauk SSSR) Moskva, 1945, 61.

MIKULLA, Emerentia, 1903– *Die Winkelmannsche Operation als Behandlungsmethode der Hydrocele im Kindesalter [Münster] 18p. 8°. Quakenbrück, R. Kleinert, 1931.

MIKUŁOWSKI, Włodzimierz, 1886–

For biography see in: Czy wiesz kto to jest, Warsz., 1938, 489, portr.

MIKULSKI, Wilhelm Aleksander, 1869–

For biography see in: Czy wiesz kto to jest, Warsz., 1938, 488, portr.

MIKWEH.

See under **Jew**, Hygiene and sanitation; also **Bath** subheadings (History; Social aspect)

MILA, Mercedes. Florence Nightingale. 18p. portr. 8° Madr., Cruz Roja españ., 1933.

MILACEK, František, 1868–
For biography see Cas. lék. česk., 1948. **87**: 1213.

MILAM, Carl Hastings, 1884–
For biography see in Biogr. Encycl. World, 2. ed., N. Y., 1942, 289.

MILAN, Michael Bernard, 1862–1946.
For obituary see Rhode Island M. J., 1947, **30**: 64.

MILANES, Kit, & CRUICKSHANK, Norah Blake Stack. Health and beauty for children. 88p. illust. 12° Lond., Blackie & Son, 1937.

MILANES y Alvarez, Fernando [M. D., 1927, La Habana] Sprue y otros síndromes glosoentero-neuro-anémicos similares; estudio de diagnóstico y de patogenía, deducciones terapéuticas. 222p. illust. pl. tab. (1 fold.) 20½cm. La Habana, 1941.
Forms v.2, Bibl. méd. autores cubanos.

MILANI, Eugenio, 1887– L'indagine radiologica nei tumori del polmone. 131p. illust. 8° Nap., F. Giannini & figli, 1931.

—— Semeiotica radiologica dello scheletro. 2. ed. 450p. illust. 27cm. Roma, Soc. ed. univ., 1948.
Sec also **Montalenti, G., & Milani, E.** Radiogenetica. p.1143–203. 25cm. Roma, 1939.
For portrait see Clin. nuova, Roma, 1946, **3**: opp. p. 280. Also Q. radiol., Belluno, 1934, **5**: 197. Also Riforma med., 1946, **60**: 591.

—— & **GRILLI, A.** Introduzione allo studio della radiologia medica. viii, 540p. illust. 25cm. Treviso, Longo & Zoppelli, 1943.

MILANI, Eugenio, & TURANO, Luigi. Fondamenti di radiobiologia e röntgenterapia; con la collaborazione del G. Bernardini. 464p. illust. 25cm. Roma, Ed. Italiane, 1943.

MILANO, Italy. Accademia medica lombarda. Atti. Milano, v.**1**, 1912–
Volumes 1–19, 1912–30 issued as Atti della Società lombarda di scienze, mediche e biologiche.

MILANO, Italy. Centro d'informazioni e studi sugli antibiotici. Pubblicazioni. Milano, v.**1**, 1947–

MILANO, Italy. Commissione sanitaria municipale. Il cholera-morbus in Milano nell'anno 1854; relazione. 119p. tab. 35cm. Milano, G. Pirola, 1855.

MILANO, Italy. Commissione straordinaria de sanità di Milano. Breve istruzione popolare pel caso che si sviluppi il cholera. 8p. 21cm. Milano, 1865.

—— Breve istruzione popolare pel caso che si sviluppi il cholera. 1 l. Milano, Redaelli, 1865.
Supplemento straordinario al No. 251 del Pungolo.

—— Proposta di regolamento pei casi d'invasione del cholera morbus o di altre simili malattie. 20p. 21½cm. Milano[?] 1867[?]

—— Proposta di regolamento pei casi di epidemia di cholera morbus. 20p. 23½cm. Milano[?] after 1867[?]

MILANO, Italy. Consiglio degli istituti clinici di perfezionamento. Gli istituti clinici di perfezionamento in Milano. lxxi, 450p. illust. tab. 28cm. Milano, La Gutenberg, 1912.

[**MILANO, Italy. R. Governatore**] Tavole di ragguaglio dei pesi e delle misure in uso in Lombardia con quelle del sistema metrico decimale. 28p. 23cm. Milano, R. Stamperia, 1860.

MILANO, Italy. Istituto biochimico italiano. Archivio. Milano, v.**1**, 1929–

MILANO, Italy. Istituto italiano de vitaminologia Giovanni Lorenzini. Atti. Milano, v.**1**, 1942–
Forms supplement to **Rassegna clinico-scientifica.**

MILANO, Italy. Istituto sieroterapico milanese Serafino Belfanti. Bollettino. Milano, v.**1**, 1917/20–
Parte sperimentale della rivista **Terapia.**

—— Atti della Riunione per lo studio dell'influenza, tenutasi in Milano nei giorni 27–28 Aprile 1919. 172p. 26cm. Milano, Stucchi Ceretti & cia, 1919.

—— L'Istituto sieroterapico milanese nel primo venticinquennio, 1894–1919. 135p. illust. portr. plan. 33cm. Milano, Bertieri e Vanzetti, 1919.

—— Cenni di terapia immunitaria de alcune malattie infettive dell'infanzia. 38p. 8° Milano, Stucchi Ceretti & cia, 1929.

—— Cenni di opoterapia ed immunoterapia delle malattie del sangue e del ricambio. 47p. 8° Milano, 1932.

—— Cenni di opoterapia ipofisaria. 43p. 20cm. Milano, 1939.

—— Gli ormoni sessuali e il loro uso in terapia clinica. 142p. pl. diagr. 18cm. Milano, 1942.

—— Terapia biologica; immuno-, opo-, ormono-, chemioterapia. xxviii, 539p. 15cm. Milano, 1942.

—— Terapia specifica del tifo addominale; vaccinoterapia, aptenoterapia, sieroterapia, fagoterapia. 114p. illust. 17cm. Milano, 1943.
For related publications see also **Vigano, L., Orsi, A., & Belfanti, S.** Dei sieri [etc.] 355p. 16° Milano [1916] Also **Trattato di endocrinologia.** Milano, v.**1**, 1939–
See also **Attività** scientifica dell'Istituto sieroterapico milanese nell'anno 1936. Terapia, Milano, 1937, **27**: 97–107.—**Devalle, G.** La vita dell'Istituto dalla fondazione. In: Ist. sieroter. milan. (Milano. Istituto) 1919, 27–69, illust.—**Tron, G.** L'attività scientifica dell'Istituto sieroterapico milanese nell'anno 1937. Terapia, Milano, 1938, **28**: 97–109.

MILANO, Italy. Istituto stomatologico italiano.
For archives see **Rassegna trimestrale di odontoiatria.** Milano, v.**28**, 1947–
See also **Palazzi, S.** I quarant'anni di vita dell'Istituto stomatologico. Rass. odont., Milano, 1948, **29**: 218–21.

MILANO, Italy. Istituto di tisiologia.
For organ see **Studi clinici e sociali di tisiologia.** Milano, v.**2**, 1930–

MILANO, Italy. Istituto vaccinogeno antitubercolare.
For organ see **Patologia comparata della tubercolosi.** Milano, v.**1**, 1935–

MILANO, Italy. Ospedale maggiore. Ordini appartenenti al governo dell'Hospitale Grande di Milano, et di tutti gli altri hospitali à questo uniti. 174p. 26cm. Milan, G. B. & G. C. Malatesta, 1642.

—— Materiale rappresentante l'organizzazione dell'Istituto anatomo-patologico diretto dal dottore Cav. Visconti. 12p. 21½cm. Milano, 1881.

For history see:

Majocchi, A. Nostalgie fra le rovine; pagine di vecchia vita chirurgica. 3. ed. 373p. 21½cm. Milano, 1946.
See also **Alberti, A.** Cenni statistici sui metodi di anestesia impiegati presso la divisione ostetrico-ginecologia dell'Ospedale maggiore di Milano; giugno 1941–giugno 1946. Osp. maggiore, Milano, 1947, **35**: 445–7.—**Bottero, A.** Il medico residente nell'Ospedale maggiore in un regolamento del secolo XVII. Ibid., 1942, **30**: 28–30.—**Castelli, G.** Il Lazzaretto dell'Ospedale maggiore. Ibid., 1938, **26**: 121–6. ——— Un medico nizzardo all'Ospedale maggiore di Milano. Ibid., 1939, **27**: 427–9. ——— La antiche scuole mediche dell'Ospedale maggiore. Ibid., 1943, **31**: 211–8. ——— L'Ospedale maggiore e l'Università di Milano. Ibid., 277–83. ——— L'antico edificio ospedaliero sede dell'Ateneo milanese. Ibid., 305–12. ——— Il Perdono al nuovo Ospedale maggiore.

Ibid., 377–85.—**Costruzione** (La) del nuovo Ospedale maggiore; l'origine e lo sviluppo dell'idea. Ibid., 1926, 3. ser., **14**: Parte amministrat., 37–9.—**Della Porta, M.** Dal vecchio al nuovo Ospedale maggiore. Ibid., 1934, **22**: 300; 364.—**Distel, H.** Das neue Ospedale Maggiore in Mailand. Zschr. ges. Krankenhauswes., 1936, 279–82.—**Ferrari, A.** La Festa del Perdono nell'Ospedale maggiore di Milano. Minerva med., Tor., 1947, **38**: Varia, 20–3.—**Festa** (La) del Perdono all'Ospedale maggiore di Milano. Osp. maggiore, Milano, 1937, **25**: 113–24.—**Guida** dell'Ospedale maggiore di Milano e degli istituti annessi. Ibid., 1926, 3. ser., **14**: Parte amministrat., No. 8, 93; No. 10, 132.—**Pini.** Il nuovo regolamento dell'Ospedale maggiore di Milano. Italia san., 1910, **6**: 185.—**Ronzani, E.** Cronicari e reparti ospedalieri di smistamento. Osp. maggiore, Milano, 1942, **30**: 293–6.—**Seymer, L. R.** A visit to the Ospedale Maggiore, Milan. Internat. Nurs. Rev., Genève, 1936, **10**: 314–20, pl. (incl. French & German transl.)—**Spinelli, S.** Il nuovo Ospedale maggiore di Milano e la vecchia storia del Perdono. Osp. maggiore, Milano, 1940, **28**: 377.

MILANO, Italy. Pio istituto dei rachitici. Relazione sanitaria e amministrativa per l'anno 1875. 56p. pl. tab. 21½cm. Milano, G. Pirola, 1876.

MILANO, Italy. Società d'incoraggiamento di scienze, lettere ed arti. Alberi ed arbusti da frutta. p.5–46. 23½cm. Pavia, 1865[?]

MILANO, Italy. Società lombarda di medicina.

See **[Lombardia, Italy] Società lombarda di medicina.**

MILANO, Italy. Università cattolica del Sacro Cuore. Pubblicazioni. Ser. 6: Scienze biologiche. Milano, v.**8**, 1935–

—— Laboratorio di psicologia; contributi. Milano, v.**6**, 1935–

Forms numbers of Pubb. Univ. catt., Milano, Ser. 6, Sc. biol.

See also **Ricci, A.** La scuola psicologica di Milano. Arch. ital. psicol., 1940–41, **18**: 85–92.

MILANO, Italy. Università di Milano. Scuola di storia della medicina. Contributi.

See **La Cava, A. F.** La peste di S. Carlo; note storico-mediche sulla peste del 1576. 239p. 25cm. Milano, 1945.

MILANO.

See also under **Health organization.**

Milano, Italy. Map [n. s.] 17.25cm. x 14.25cm. [n. p., n. d.]

—— Map, scale 1:21,328. 18.5cm. x 25.75cm. [n. p., n. d.]

Zoja, L. La clinica medica della R. Università di Milano dal suo inizio (1924) al 28 ottobre 1937. 377p. 23½cm. Fidenza, 1941.

Baldassari, L. Sull'andamento ospitaliero nel triennio 1922–24. Osp. maggiore, Milano, 1925, 3. ser., **13**: 350–3, pl.—**Ballerini, M. T.** Studio sulle condizioni alimentari della popolazione milanese in tempo di guerra. Natura & vita, Milano, 1947, **2**: 184.—**Bauer, R.** Del concetto moderno di assistenza sociale e di un caratteristico istituto assistenziale, la Società umanitaria di Milano. Riv. infort. mal. profes., 1947, **34**: 635–49.—**Biblioteca** comunale Castello Sforzesco; segnalazioni bibliografiche. Città di Milano (Rass.) 1949, **66**: 16; passim.—**Cà** (Dalla) granda al nuovo ospedale del Perdono, Milano. Osp. maggiore, Milano, 1938, **26**: 224–31, diagr.—**Carozzi, L.** Le condizioni igieniche dei locali tipografia in Milano. Lavoro, 1912, **5**: 337; 361; 369.—**Centro** di studi di genetica umana. Riv. Soc. ital. igiene, 1941–42, **63**:–**64**: 36.—**Clara, I.** Sguardo all'attività esplicata dalla Stazione sperimentale malattie infettive del bestiame di Milano negli anni 1945–47. Clin. vet., Milano, 1948, **71**: 354–63.—**Facoltà** (La) di medicina dell'Università milanese. Gazz. osp., 1924, **45**: 1154–66.—**Fantonetti, G. B.** Prospetto e rendiconto medico degli esposti ricoverati e nutriti nella pia casa di Santa Catterina alla Ruota in Milano l'anno 1841. Gior. progr. pat., Venez., 1842, ser. 2. **1**: 509–30.—**Ferraro, F.** Natalità e mortalità del lattante in Milano con speciale riferimento allo stato demografico delle città. Lattante, 1930, **1**: 96–124.—**Gelato.** Il regolamento d'igiene del comune di Milano. Italia san., 1910, **6**: 65.—**Lazzarini, L.** Quattro anni di chirurgia nell'Ospedale di circolo di Rho. Osp. maggiore, Milano, 1943, **31**: 373–6.—**Luraschi, C.** Milano e la quistione ospitaliera. Italia san., 1909, **5**: 205–7. ——— Per una direzione di Assistenza sanitaria in Milano. Ibid., 1910, **6**: 21.—**Mangiagalli, L.** Il Senatore Mangiagalli risponde all'Associazione sanitaria milanese: una clinica murri in Milano. Ibid., 1908, **4**: 209–11.—**Massarotti, V.** Istituto medico-chirurgico 28. ottobre; Cassa Soccorso, Azienda tramviaria municipale, Milano. Osp. maggiore, Milano, 1933, **21**: 624–9.—**Nuovo** (Il) Ufficio di statistica sanitaria degli Istituti ospitalieri di Milano. Ibid., 1915, **3**: 112–6.—**Palazzi, S.** Università degli studi di Milano; Scuola di specializzazione in odontoiatrica. J. Dent. Educ., 1948–49, **13**: 153.—**Pia** Opera Valetudo, Prof. Pasini, Asilo per bambini eredoluetici; fondazione di Guido Sacchi in Milano [Illustration] Deliber. Congr. derm. internat. (1935) 1936, 9. Congr., **4**: 357.—**Pozzato, P.** Il posto di pronto soccorso sotterraneo dell'Ospedale policlinico di Milano. Osp. maggiore, Milano, 1941, **29**: 313–7.—**Ratti, A.** La sorveglianza igienica delle abitazioni e delle industrie e la prevenzione degli infortuni in Milano nel 1919. Gior. Soc. ital. igiene, 1921, **43**: 1–9.—**Rondoni, P.** Relazione sulla attività dell'Istituto nazionale per lo studio e la cura dei tumori di Milano per l'anno 1946. Tumori, Milano, 1947, **33**: 1–9.—**Ronzani, E.** Per la delimitazione di una zona di rispetto intorno al Nuovo Ospedale di Milano. Osp. maggiore, Milano, 1938, **26**: 28.—**Scotti Douglas, R.** La Facoltà di Milano. Minerva med., Tor., 1934, **25**: 753–63.—**Sollazzo, G.** L'organizzazione sanitaria ed il nuovo piano regolatore della città di Milano. Osp. maggiore, Milano, 1947, **35**: 448–57.—**Spinelli, S.** Il rendiconto sanitario statistico del prof. Enrico Ronzani sull'attività degli Istituti Ospedalieri di Milano nel quinquennio 1932–36. Ibid., 1939, **27**: 55–8.—**Succursali** (Le) degli istituti ospitalieri di Milano a Lodi, Rho e Venegono. Ibid., 1943, **31**: 315–7.—**Zanetti, E.** Il centro di accertamento sanitario per gli studenti delle Università e del Politecnico di Milano. Med. lavoro, 1947, **38**: 60–5.

—— History.

Bajla, E. La scienza di Esculapio in Milano; note di storia e curiosità di medicina e d'igiene. 302p. 8° Milano, 1930.

Bizzarrini, G. In margine alla descrizione manzoniana della peste di Milano. Minerva med., Tor., 1947, **38**: pt 2, Varia, 494–8.—**Brunelli, G. A., & Caneva, L. M.** La casa di Via Mozart a Milano. Riv. internaz. ingegn. san., 1938, **6**: 24–9.—**Castelli, G.** Gli antichi ospedali e la unificazione ospitaliera milanese del 15. secolo. Osp. maggiore, Milano, 1937, **25**: 467; 555, ch.—**Festa** (La) del Perdono; relazione del presidente degli Istituti Ospedalieri di Milano sull'andamento degli Istituti nel biennio 25 marzo 1937–25 marzo 1939. Ibid., 1939, **27**: 141–5.—**La Cava, A. F.** Le magistrature milanesi; il magistrato della sanità. In his Peste di S. Carlo, Milano, 1945, 93–6. ——— Il Lazzaretto e Frà Paolo Bellintano. Ibid., 173–95.—**Latronico, N.** Dentisti e cavadenti nel settecento milanese. Atti Accad. stor. arte san., 1941, **7**: 277–82.—**Malcovati, P.** Le ostetriche a Milano sotto Maria Teresa. Arte ostet., 1940, **54**: 192–4.

MILANO (Provincia di) Italy.

Ferraro, F. L'organizzazione sanitaria dell'Opera nazionale Balilla nel Comitato provinciale di Milano. Riv. sc. appl. educ. fis., 1932, **3**: 435–49.—**Medici** esercenti inscritti all'ordine dei medici della Provincia di Milano. Attualità med., 1917, **6**: 91–186.

MILANOL.

See **Bismuth,** Preparations.

MILARAS, Thémistoclès, 1914– *Le glaucome sans hypertension [Strasbourg] 55p. 24cm. Clairvivre, Impr. Clairvivre, 1940.

MILARAS, Triandaphyllos, 1909– *Variations structurales entre les tumeurs intra-oculaires et leurs propagations. 49p. 24½cm. Strasb., Impr. Bourse, 1939.

MILATZ, Willem Frederik Jacobus, 1877–

For biography see Geneesk. gids, 1942, **20**: 163, portr.

MILBANKE, William Byron, 1867–1947.

For obituary see Brit. M. J., 1947, **1**: 700.

MILBANK Memorial Fund. Report. N. Y., 1922–

—— Quarterly. N. Y., v.**1**, 1923–

v.1–11 have title Quarterly bulletin.

—— Milbank Memorial Fund; a meeting commemorating the twenty-fifth anniversary, New York, April the third, 1930. 75p. illust. portr. 28cm. N. Y., Rogers Kellogg Stillson Co., 1930.

—— News digest. N. Y., v.**1**, 1934–

Ceased publication with v.7, 1940.

—— Proceedings [of annual conference] N. Y., 13., 1935–

CONTENTS

13. Policies and procedures in public health. 115p. 1935.
14. The next steps in public health. 90p. 1936.
15. New health frontiers. 107p. 1937.
16. Modern health trends. 115p. 1938.
17. New light on old health problems. 91p. 1939.
18. The changing front of health. 104p. 1940.

19. Proceedings (Repr. from Am. J. Pub. Health, 1941, **31**: No. 9) 28p. 1941.
20. Proceedings. 77p. 1942.
22. (1944) Pt 1. Demographic studies of selected areas of rapid growth. 158p. 1944. Pt 2. New steps in public health. 148p. 1945.
23. (1946) Pt 1. Postwar problems of migration. 175p. (1947) Pt 2. A new approach to nutrition services in state health departments. 108p. 1947.
24. (1947) Pt 1. International approaches to problems of undeveloped areas. 77p. 1948. Pt 2. Backgrounds of social medicine. 202p. 1949.
25. (1948) Pt 1. Problems in the collection and comparability of international statistics. 165p. 1949. Pt 2. The family as the unit of health. 128p. 1949.

—— Milbank Memorial Fund; thirty-five years in review 1905–40. 75p. illust. portr. 23cm. N. Y., 1940.

—— Report on public health in Greece. 51 l. map. diagr. 28cm. N. Y., 1941[?]
Mimeographed.

—— Report on public health in Yugoslavia. 57 l. map. tab. diagr. 28cm. N. Y., 1942[?]

—— Report on public health in Rumania. 2 p. l., 101 l. map. tab. 29cm. N. Y., 1944.

See also **Boudreau, F. G.** Milbank Fund Annual Conference; foreword. Am. J. Pub. Health, 1941, **31**: 967.—**Eighteenth** (The) annual dinner meeting. Proc. Milbank Mem. Fund, 1940, **18**: 71–97.—**Josephson, E. M.** Milbank Memorial Fund. In his Your Life is Their Toy, N. Y., 1940, 61–9.—**Milbank, A. G.** The relationship of the Milbank Memorial Fund to the field of health and the medical profession. Milbank Mem. Fund Q., 1935, **13**: 99–121. Also J. Indiana M. Ass., 1935, **28**: Suppl., 1–8. ——— Greeting on behalf of the board of directors. Proc. Milbank Mem. Fund, 1937, **15**: 79–85. ——— **Boudreau, F. G.** [et al.] The sixteenth annual dinner meeting. Ibid., 1938, **16**: 93–109.—**Rosenthal, P.** The defeat of an ideal; the Milbank Foundation and the doctor. Med. Rev. of Rev., 1932, **38**: 567–76.

MILBANK Memorial Fund. Division of Research. Annual report on research. N.Y., 1 (1928) 1929–
No. 1–2 published in the Fund's Report, 1928–29; No. 2– published in its Collected papers on research, 1930–

—— Collected papers on research. N. Y., 1929–

—— Program, 1928–40. 55p. 23cm. N. Y., 1941.

MILBERG, Moisei [M. D., 1930, Basel] *Ueber Erkrankungen des Nervensystems im Anschluss an Erysipel [Basel] 19p. 8° St. Louis, Edit. Alsatia, 1930.

MILBRADT, Günther, 1907– *Ueber die Vererbung der Zahnfarbe [Göttingen] 11p. 8° Weende, A. F. Pieper, 1934.

MILBRADT, Herbert Wilhelm, 1907– *Lipämiestudien [Breslau] p.278–322. 8° Berl., J. Springer, 1930.
Also Biochem. Zschr., 1929–30, **223**:

MILBURN, Charles Henry, 1860–1948.
For obituary see Brit. M. J., 1948, **2**: 839. Also J. R. Army M. Corps, 1949, **92**: 51, portr. Also Univ. Durham M. Gaz., 1947–49, **2**: 269.

MILBURN, Eugene, 1889–
For biography see Bull. Massachusetts Dent. Soc., 1943, **19**: No. 4, 9, portr.

MILCH, Eva Johanna, 1906– *Verlauf der Erkrankungen an Puerperalsepsis unter besonderer Berücksichtigung der chirurgischen und der Vaccinetherapie an der Breslauer Universitätsklinik von L. Fraenkel während der Jahre 1926–30. 23p. ch. tab. 4° Bresl., Quader, 1931.

MILCH, Henry, 1895– Osteotomy of the long bones. xiv, 294p. illust. tab. diagr. 24cm. Springf., C. C Thomas, 1947.

MILCHEN, Carl, 1912– *The treatment of scarlet fever with scarlet fever convalescent serum [Marquette Univ.] 19p. 28cm. Milwaukee, n. p., 1937.
Typewritten.

MILCHRIST, Elizabeth Hayward. State administration of child welfare in Illinois. xi, 130p. 23cm. Chic., Univ. Chicago Pr., 1937.

MILCHTALER, Johansen, fl. 1534. [Pestregiment] [8] l. 20cm. Schwaz, 1534.
Also Arch. Gesch. Med., 1911, **4**: 22–30.

MILCHWIRTSCHAFTLICHES Zentralblatt; Zeitschrift für wissenschaftliche und praktische Milchkunde. Hannover, v.**71**, 1942–

MILDAU, Frieda Karoline Sofie, 1911– *Kurzwellentherapie an der Universitäts-Frauenklinik zu Heidelberg [Heidelberg] 15p. 22cm. Düsseld., G. H. Nolte, 1937.

MILDENBERGER, Dorothee, 1908– *Die Beeinflussung des Blutcholesterinspiegels bei essentieller Hypertension und bei endogener Fettsucht durch Nebennierenrindenextrakt [Tübingen] 31p. 8° Marbach-N., A. Remppis, 1936.

MILDENBERGER, Wilhelm, 1902– *Ueber traumatische Epiphysenlösungen. 30p. 8° Würzb., Buchdr. Bavaria, 1927.
See also **Orator, V.** Leitfaden der Feldchirurgie im Bewegungskrieg. Mit einem augenärztlichen Beitrag von Dr Mildenberger. 2. u. 3. Aufl. 225p. 21cm. Lpz., 1943.

MILDENSTREY, Charlotte, 1911– *Gibt es einen Rhythmus der Blutmauserung? 15p. 22cm. Rostock, G. Neumann, 1936.

MILDEW.

See also **Cladosporium; Fungi,** parasitic, **Peronosporeae; Phytophthora; Puccinia,** etc.; also under names of plants attacked as **Potato,** Disease, etc.

Briggs, F. N. The inheritance of resistance to mildew. Am. Natur., 1938, **72**: 34–41.—**Debraux, G., & Gavaudan, P.** Recherches sur la prophylaxie du mildiou de la vigne par les composés organiques. Gallica biol. acta, 1948, **1**: 138–46.—**Dorogin, G.** Vorläufige Mitteilungen über ein neues Mittel zur Bekämpfung des amerikanischen Stachelbeermehltaues. Zschr. Pflanzenkr., 1913, **23**: 334.—**Herter, W.** Weitere Fortschritte der Stachelbeerpest in Europa. Zbl. Bakt., 2. Abt., 1907, **18**: 828–31.—**Horsey, R. E.** Mildewproofing composition containing copper naphthenate and bis-(5-chloro-2-hydroxyphenyl) methane. U. S. Patent Off., 1949, No. 2,468,068.—**Laurent, J.** Les conditions physiques de résistance de la vigne au mildew. C. rend. Acad. sc., 1911, **152**: 103–6.—**Lesser, M. A.** Mildew preventives. Soap, N. Y., 1947, **23**: No. 11, 119–23.—**Mildew** resistance of cotton bags. J. Franklin Inst., 1941, **232**: 490.—**Müller, K.** Ueber das Auftreten von zwei epidemischen Mehltaukrankheiten in Baden. Zschr. Pflanzenkr., 1909, **19**: 143.—**Salmon, E. S.** Der Ausbruch des amerikanischen Stachelbeer-Mehltaus in England. Ibid., 1907, **17**: 12–21. ——— On forms of the hop (Humulus lupulus L. and H. americanus Nutt.) resistant to mildew (Sphaerotheca humuli (DC.) Burr.) Ann. Appl. Biol., Lond., 1920, **6**: 293; 1921, **8**: 146.

—— downy.

See also **Perenosporeae.**

Felton, M. W. Downy mildew of cabbage and related plants. Summaries Doct. Diss. Univ. Wisconsin, 1942, **7**: 61–3.—**Harter, L. L., & Zaumeyer, W. J.** Downy mildew of lima beans in Colorado. Phytopathology, 1942, **32**: 438.—**Hoerner, G. R.** A study of spreaders for use on hops in the field control of downy mildew. Ibid., 820–3.—**Jenkins, J. M.,** jr. Downy mildew resistance in cucumbers. J. Hered., 1942, **33**: 35–8.—**Yarwood, C. E.** Fungicide treatment of string supports for control of hop downy mildew. Phytopathology, 1942, **32**: 830.—**Young, P. A., & Morris, H. E.** Plasmopara downy mildew of cultivated sunflowers. Am. J. Bot., 1927, **14**: 551, pl.

—— Poisoning.

Baker, E. T. Mildew poisoning in sheep. Vet. Med., Chic., 1943, **38**: 487.—**Smith, W. R.** A case of alleged poisoning from mildew, with some general remarks. J. State M., Lond., 1927, **35**: 48–51.

—— powdery [Erysipheae]

Alderson, V. G., & Mason, L. R. Powdery mildews as allergens. California West. M., 1941, **55**: 241–3.—**Brannon, L. W.** Control of Mexican bean beetle and corn earworm in the presence of powdery mildew on snap beans. J. Econ. Entom., 1945, **38**: 101.—**Brodie, H. J.** Protoplasmic continuity in the powdery mildew Erysiphe graminis DC. Canad. J. Res., 1942,

20: Sect. C, 595–601, pl. ——— & **Neufeld, C. C.** The development and structure of the conidia of Erysiphe polygoni DC., and their germination at low humidity. Ibid., 41–61.—**Dimock, A. W.** Powdery mildew on ribbon-bush, Homalocladium platycladum Bailey. Phytopathology, 1943, **33**: 745.—**Dundas, B.** Perithecia of bean powdery mildew. Ibid., 1942, **32**: 828.—**Gorlenko, M. V.** Modes of hibernation of mildew (Erysiphe graminis DC.) on cereals. C. rend. Acad. sc. URSS, 1942, **35**: 187.—**Mains, E. B.** Phlox resistant to powdery mildew. Phytopathology, 1942, **32**: 414–8.—**Pryor, D. E.** The influence of vitamin B_1 on the development of cantaloupe powdery mildew. Ibid., 14. ——— & **Whitaker, T. W.** The reaction of cantaloupe strains to powdery mildew. Ibid., 995–1004.—**Yarwood, C. E.** Stimulatory and toxic effects of copper sprays on powdery mildews. Ibid., 19. Also Am. J. Bot., 1942, **29**: 132–5. ——— Association of thrips with powdery mildews. Mycologia, Lancaster, 1943, **35**: 189–91. ——— Observations on the overwintering of powdery mildews. Phytopathology, 1944, **34**: 937.

MILDNER, Theodor Georg Heinrich, 1902–

See **Driess, E., Mildner, T. G. H., & Fischer, C.,** eds. Herba, Kräuter- und Pflanzen-Buch. 91p. 18½cm. Plochingen, 1947.

MILDT, Fritz Kurt, 1906– *Ueber Bauchfellvereiterung nach Entbindung und Fehlgeburt [Berlin] 59p. 21cm. Bottrop i. W., W. Postberg, 1937.

MILEFF, Alexandre, 1913– *Recherches sur l'histophysiologie normale et pathologique de la muqueuse vaginale. 172p. 25cm. Lyon, A. Rey, 1939.

MILEFF, Dimiter [M. D., 1926, München] *Untersuchungen zur Vitalfärbung roter Blutkörperchen (Auszug) 8p. 8° Münch., n. p., 1926.

MILEK, Elisabeth [née **Langer**] 1901– *Ein Fall von Blasenmole mit Vermehrung des Zottenstromas und intravasaler Knotenbildung. 12p. pl. 8° Berl., n. p., 1930.

MILENKOVIC, Zivojin N., 1874–1948.

For obituary see Srpski arh. celok. lek., 1948, **46**: 1018.

MILES, Albert Baldwin, 1852–94.

For biography see N. Orleans M. & S. J., 1943–44, **96**: 521, portr. (Matas, R.)

MILES, Alexander, 1865– Surgical ward work and nursing; a handbook for nurses and others. 5. ed. viii, 418p. 8° Lond., Faber & Gwyer, 1928.

See also **Thomson,** Sir **H. A., & Miles, A.** Operative surgery. 3. ed. 619p. 19cm. Lond., 1920. ——— Manual of surgery. 6. ed. [Libr. has v.**3.** 578p.] 19cm. Edinb., 1921. Also 7. ed. [Libr. has v.**2.** 663p]. 19cm. Lond., 1926. Also 8. ed. 3v. 1931. Also 9. ed. 2v. 1939.

For biography see Edinburgh M. J., 1936, **43**: 217–9, portr.

—— & **NUTTALL, G. F.** Surgical ward work and nursing; a handbook for nurses. 7. ed. viii, 295p. illust. 22cm. Aberdeen, Faber & Faber, 1943.

MILES, Alexander, & WILKIE, David Percival Dalbreck. Operative surgery. xviii, 590p. illust. 8° Lond., Oxford Univ. Pr., 1933. Also 2. ed. xx, 631p. 1936.

For former version of this work see **Thomson, A., & Miles, A.** Operative surgery. 3. ed. Lond., 1920.

MILES, Arnold, & MARTIN, Lowell. Public administration and the library. xiii, 313p. 21½cm. Chic., Univ. Chicago Pr., 1941.

MILES, Arnold Ashley, 1904–

See **Williams, R. E. O., & Miles, A. A.** Infection and sepsis in industrial wounds of the hand. 87p. 24½cm. Lond., 1949.

Also editor of **Topley, W. W. C., & Wilson, G. S.** Topley and Wilson's Principles of bacteriology and immunity. 3. ed. 2v. 2054p. Paged continuously. 25cm. Balt., 1946. See also **Nature** (The) of the bacterial surface. 179p. 22½cm. Oxf., 1949.

MILES, Catharine Cox, 1890– Sex in social psychology. p.683–797. 8° Worcester, Clark Univ. Pr., 1935.

—— Psychological study of a young adult male pseudohermaphrodite reared as a female. p.209–27. tab. diagr. 22½cm. N. Y., McGraw-Hill Bk Co., 1942.

See also **Terman, L. M., & Miles, C. C.** Sex and personality. 600p. 8° N. Y., 1936.

See also **Klein, V.** Psychometric tests by L. M. Terman & C. C. Miles; Bk rev. In her Femin. Character, N. Y., 1949, 104–12.

MILES, Charles Edwin, 1830–1910.

For portrait see Collection in Library.

MILES, Elizabeth Ann. How life begins; the wonderful story of birth and growth; by Milton R. Kent [pseud.] [3. ed.] 36p. illust. 21cm. Wellington, N. Z., A. H. & A. W. Reed, 1944.

MILES, Eustace Hamilton, 1868– , & **COLLINGS, C. H.** The uric acid fetish (exposure of a popular theory) 266p. 8° Lond., E. Miles [after 1913]

MILES, Frederick Thomas, 1869–1924.

For obituary see J. Am. M. Ass., 1924, **82**: 1799.

MILES, Hallie Eustace Killick. Health without meat. 8. ed. x, 133p. 12° Lond., Methuen & Co., 1923.

MILES, John Francis Marshall, 1845–1912.

For obituary see Brit. M. J., 1912, **1**: 1401.

MILES, Lee Ellis, 1890–1941.

For obituary see Phytopathology, 1942, **32**: 267–70 (Neal, D. C.)

MILES, Léon Octave Jean Roger, 1859–

See **Roger-Milès, Léon Octave Jean.**

MILES, Louis Wardlaw, 1873–

Miles (Dr) retires. Johns Hopkins Alumni Mag., 1941–42, **30**: 118, portr.

MILES, Maurice William Holt, 1893–1918.

For obituary see Lancet, Lond., 1918, **2**: 896.

MILES, O. P. Messages to the people; a series of short interesting, beautiful, inspiring essays on human life and experience. 190p. portr. 8° Butler, Ind., Higley Print. Co., 1933.

MILES, Perry Watson, 1883–1948.

For obituary see J. Am. M. Ass., 1948, **137**: 713. Virginia M. Month., 1948, **75**: 157.

MILES, Raymond Bernard, 1898–1944.

For obituary see Brooklyn Hosp. J., 1946, **4**: 11, portr. (De Veer, J. A.) Also Mil. Surgeon, 1944, **94**: 393.

MILES, Thomas George, 1878–1921.

For obituary see Brit. M. J., 1921, **1**: 286.

MILES, Walter Howard, 1891– The importance of adequate records of the sick and wounded in the military service, in time of war, and the best methods of obtaining them. 10p. 35½cm. n. p., 1920[?]

Typewritten.

MILES, Walter Richard, 1885– Age in human society. p.596–682. 8° Worcester, Clark Univ. Pr., 1935.

—— Psychological studies of human variability. xxxvi, 415p. ch. tab. 8° Princet., Psychological Rev. Co., 1936.

Forms No. 2, v.**47**, Psychol. Rev. Pub.

For portrait see Collection in Library. Also Am. Scientist, 1945, **33**: 146. Also J. Consult. Psychol., 1940, **4**: No. 3, front.

MILES, William Ernest, 1869–1947. Cancer of the rectum. viii, 72p. illust. pl. 8° Lond., Harrison & Sons, 1926.

—— Rectum and anus. p.1259–480. illust. 8° N. Y., D. Appleton-Century Co., 1936.

In: Post-Grad. Surg. (Maingot, R.) **1**:

—— Rectal surgery; a practical guide to the modern surgical treatment of rectal diseases. xi, 359p. illust. diagr. pl. 22½cm. Lond., Cassell & Co., 1939. Also 2. ed. 1944.

For obituary see Brit. J. Surg., 1947–48, **35**: 320, portr. Also Brit. M. J., 1947, **2**: 550, portr. (Lahey, F. H., Smyth, M.) [et al.] Ibid., 633 (Gordon-Taylor, G.) Also J. Am. M. Ass., 1947, **135**: 658. Also Lancet, Lond., 1947, **2**: 527, portr.

For portrait see Ann. R. Coll. Surgeons England, 1949, **4**: 83. Also Ann. West. M. & S., 1949, **3**: 170.

MILESIA.

See under **Syrphidae.**

MILESTONES in medicine.
See **New York Academy of Medicine.** Lectures to the laity, No. 2. 276p. 19½cm. N. Y., 1938.

MILETTO, Pietro.
See **Pio, G., & Miletto, P.** L'exeresi totale della sfera genitale interna nella cura della tubercolosi annessiale et utero-annessiale. p.213–75. 24cm. Siena, 1943.

MILEWICZ, Władysław, 1893–
For biography see in Czy wiesz kto to jest, Warsz., 1938, 489, portr.

MILEWSKI, Kurt, 1911– *Osteopsathyrose. 23p. 21cm. Münch., Buchdr. Hohenhaus, 1936.

MILEWSKI, Tadeusz Teofil [M. D. Kraków, 1914]
For biography see in Czy wiesz kto to jest, Warsz., 1938, 489.

MILFOIL.

See **Achillea.**

MILFORD, Conn. Department of Health. Annual report. Milford (1942-43) 1943–

MILFORD, Mass. Milford Hospital. Annual report. Milford, No. 8 (1910-11) 1911–
See also under **Hospital report.**

MILHAU, Joseph M., 1862–1933.
For obituary see Montpellier méd., 1933, **4**: 382.

MILHAUD, Alfred Marcel, 1905– *L'immunité et les traitements biologiques du chancre mou. 80p. 8° Par., Libr. Le François, 1931.
See also **Piéry, M., Milhaud, A. M., & Van der Elst, R.** Traité de climatologie biologique et médicale. 3v. 8° Par., 1934.

MILHAUD, Georges, 1894–1932.
For obituary see Montpellier méd., 1932, **1**: 204–7.

MILHAVET, Albert, 1908– *Notes radiologiques et cliniques sur les pachypleurites médiastines. 64p. illust. 24½cm. Marseille, Impr. Soc. petit marseillais, 1936.

MILHIET, Henri, 1904– *Traitement chirurgical du dolichocolon par le procédé de la résection en un temps avec suture termino-terminale extériorisée. 47p. pl. 8° Par., E. Le François, 1934.

MILHIT, Jules Joseph, 1880–1943.
For obituary see Arch. fr. pédiat., 1942–43, **1**: 112. Also Bull. Soc. méd. hôp. Paris, 1943, **59**: 59; 462. Also Gaz. hôp., 1943, **116**: 66.

MILIAN, Gaston Auguste, 1871–1945.
—— Le chancre mou; symptomatologie, complications, diagnostic, traitement. 52p. pl. 8° Par., G. Doin & cie, 1931.
—— Physiologie de la peau. p.983–1054. 8° Par., G. Doin & cie, 1935.
In: Traité physiol. norm. path. (Roger, G. H., & Binet, L.) Par., 1935, **10**:
—— Titres et travaux scientifiques. 247p. 27cm. Par., M. Pigelet, 1936.
—— La syphilis occulte. 173p. illust. ch. 23cm. Par., J. B. Baillière & fils, 1944. Also 2. éd. 181p. 1946.
—— Les contagions de la syphilis; contacts, hérédité, réinfection, guérison. 205p. illust. 24cm. Par., J. B. Baillière & fils, 1946.
See also his contributions in:
Nouvelle Pratique Dermatologique. 8v. 8° Par., 1936.

CONTRIBUTIONS

v.**2**. La syphilis. p.639–946.
v.**4**. Streptocoecies. p.35–146. Dermatoses artificielles chimiques de cause interne. p.630–754. Dermatoses professionnelles. p.821–60.
v.**7**. Maladies des ongles. p.275–324.
See also **Loeper, M., Milian, G.** [et al.] Peau, syphilis et cancer. 408p. 8° Par., 1932.
See also **Perin, L.** Hommage au Dr. G. Milian. Paris méd., 1937, **104**: annexe, p. ii, portr.
For biography see Paris méd., 1948, **38**: No. 12, p. i, portr. Also Rev. urug. derm. sif., 1936, **1**: 248–50, portr.
For obituary see Actas derm. sif., Madr., 1945–46, **37**: 865 (Sáinz de Aja) Also Ann. derm. syph., Par., 1945, **5**: 225–7, portr.; passim. Also Bull. Soc. méd. hôp. Paris, 1945, **61**: 460–3. Also J. méd. Lyon, 1946, **27**: 156. Also Rev. argent. derm. sif., 1946, **30**: 185.
For portrait see Deliber. Congr. derm. internat. (1935) 1936, 9. Congr., **4**: 75; 110. Also P. verb. Congr. derm. syph. fr., 1926, 3. Congr., opp. p. 32.

MILIAN erythema [1932]

See **Erythema,** ninth-day. For the Milian tri-syndrome see also **Dyshidrosis; Parakeratosis.**

MILIAN reaction.

See **Nitritoid crisis;** also under **Arsenicals,** Poisoning: Nitritoid crisis.

MILIARIA.

See also **Miliaria cristallina; Miliaria rubra; Miliary fever.**
Ferreira da Rosa, A. Erupções sudoraes. Fol. med., Rio 1930, **11**: 205.—**Hart-Drant, P.** Miliaria. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **10**: 165–7.—**Kreibich, K.** Miliaria. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 445.—**Lawrence, H.** Atypical miliaria. Arch. Derm. Syph., Chic., 1946, **53**: 52.—**Simons, R. D. G. P.** Studies on prickly heat; miliaria and sudamina. Dermatologica, Basel, 1946, **93**: 172–82.

—— **epidemic.**
See **Miliary fever;** also **Acrodynia.**

—— **erythematosa et papulosa tropica.**
See **Miliaria rubra.**

—— **profunda.**
See **Miliaria rubra,** Second stage.

—— **scarlatinosa.**
See under **Scarlet fever.**

MILIARIA cristallina.

Syn: Sudamina.
See also **Dyshidrosis; Perspiration,** Disorders; also names of febrile diseases as **Pneumonia; Rickettsiasis; Sepsis; Typhoid fever.**
Kodama, H. Kansen-syu no 1 rei. Acta derm., Kyoto, 1941, **37**: 380.—**Kreibich, C.** Zur Pathogenese der Miliaria crystallina. Derm. Wschr., 1923, **76**: 497.—**Matui, T., & Kodama, H.** Kannosyu no 2 rei. Acta derm., Kyoto, 1941, **37**: 100.—**Shelley, W. B., & Horvath, P. N.** Experimental miliaria in man; production of sweat retention anidrosis and miliaria crystallina by various kinds of injury. J. Invest. Derm., 1950, **14**: 9–20, illust.—**Sulzberger, M. B., Herrmann, F., & Zak, F. G.** Studies of sweating; preliminary report with particular emphasis on a sweat retention syndrome. Ibid., 1947, **9**: 221–42.—**Watanabe, S.** Konka no kokusyo to ni-san hihubyō no kankei [klinische Beobachtungen über Sudamina und Pyodermien in diesem ausserordentlich heissen Sommer in Keizyō (Seoul, Korea)] Jap. J. Derm. Urol., 1940, **47**: 78.

—— **Epidemic.**
See **Acrodynia;** also **Miliary fever**—in children.

MILIARIA rubra.

Syn.: Bourbouille; Heat rash; Lichen tropicus; Miliaire; Prickly heat; Schweissflechte.
See also **Heat,** Pathological effect.
Acton, H. W. Prickly heat. Ind. M. Gaz., 1926, **61**: 321–4.—**Bagby, J. W.** A tropical lichen planus-like disease. Arch. Derm. Syph., 1945, **52**: 1–6.—**Blomfield, D. M.** Prickly heat. Tr. R. Soc. Trop. M. Hyg., Lond., 1942–43, **36**: 239–46.—**Cilento, R.** Prickly heat. In his Trop. Dis. Australasia, 2. ed., Brisbane, 1942, 347–9.—**Dantzig, L., & Marshall, L. E.** Tropical lichen planus, New Guinea variety; a clinical report on 24 cases. N. York State J. M., 1946, **46**: 991–5.—**Fay, F. R., & Susman, E.** On the prickly heat. Med. J. Australia, 1945, **2**: 453–6.—**Generoso, I.** Il lichene dei tropici. Gior. ital. mal. esot., 1931, **4**: 22–5.—**Joly, P. R.** Bourbouilles. Caducée, Par., 1909, **9**: 66–8—**Schlammadinger, J.** Sudamina, und zwar Miliaria rubra [Illustration] Derm. Wschr., 1943, **117**: 607.—**Soscia, E.** Il lichene tropicale. Rinasc. med., 1935, **12**: 535.—**Srinivasan, P. S.** Prickly heat. Antiseptic, Madras, 1926, **23**: 358.—**Thomson, S.** Prickly heat. In: Brit. Encycl. Med. Pract. (Rolleston, H.) Lond., 1938, **10**: 139–42.

—— Military aspect.

Duffner, G. J. Heat rash as a problem in the naval service. Am. J. Trop. M., 1946, **26**: 539–41.—**Ribble, G. B., Luedemann, W. S., & Peabody, S. M.** Epidemic of prickly heat on aircraft carrier. U. S. Nav. M. Bull., 1947, **47**: 77–82.—**Robertson, A. M.** Prickly heat and tropical pemphigus. J. R. Nav. M. Serv., 1945, **31**: 258–60.—**Soubigou.** Le lichen tropicus. Arch. méd. pharm. nav., 1934, **124**: 556–70.—**Studies** of experimental heat rash. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 26.

—— Pathogenesis.

Horne, G. O., & Mole, R. H. The effect of water and salt intake on prickly heat. Lancet, Lond., 1949, **2**: 279–81.—**O'Brien, J. P.** A study of miliaria rubra, tropical anhidrosis and anhidrotic asthenia. Brit. J. Derm. Syph., 1947, **59**: 125–58, 27 pl.—**Reiss, F.** Syringadenitis suppurativa tropicalis, a complication of lichen tropicus; histologic appearance and etiologic considerations particularly as to a possible relationship of ascorbic acid and carbohydrate metabolism. J. Laborat. Clin. M., 1942–43, **28**: 1082–92.—**Shelley, W. B., Horvath, P. N.** [et al.] Experimental miliaria in man; production of sweat retention anidrosis and vesicles by various kinds of injury. Am. J. Physiol., 1948, **155**: 469. ——— Experimental miliaria in man; production of sweat retention anidrosis and vesicles by means of iontophoresis. J. Invest. Derm., 1948, **11**: 275–91. ——— Experimental miliaria in man; production of miliaria rubra (prickly heat) Ibid., 1950, **14**: 193–204, illust.—**Smith, E. C.** Prickly heat; its ætiology and pathology. Tr. R. Soc. Trop. M. Hyg., Lond., 1926–27, **20**: 344–51, 9 pl.—**Sulzberger, M. B., & Emik, L. O.** Studies on prickly heat; clinical and statistical findings. J. Invest. Derm., 1946, **7**: 53–9. ——— **& Zimmerman, H. M.** Studies on prickly heat. Ibid., 53–68.—**Sulzberger, M. B., & Leider, M.** Prickly heat. Current Ther., Phila., 1949, 350.—**Sulzberger, M. B., & Zimmerman, H. M.** Studies on prickly heat; experimental and histologic findings. J. Invest. Derm., 1946, **7**: 61–8.

—— Second stage [Tropical anidrosis]

Wolkin, J., Goodman, J. I., & Kelley, W. E. Failure of the sweat mechanism in the desert; thermogenic anhidrosis. Seminar Papers Dep. Surg. Univ. Iowa, 1946–47, 96–104.

—— Third stage [Tropical anidrotic asthenia]

See also **Heat stroke.**

Allen, S. D., & O'Brien, J. P. Tropical anidrotic asthenia; a preliminary report. Med. J. Australia, 1944, **2**: 335.—**Baird, V. C.** Heat exhaustion. Med. Bull. (Standard Oil Co.) N. Y., 1935–36, **2**: 22–4.—**Friedfeld, L.** Prophylaxis and treatment of heat-reaction states. N. England J. M., 1949, **240**: 1043–7.—**Ladell, W. S. S., Waterlow, J. C., & Hudson, M. F.** Desert climate; physiological and clinical observations; heat exhaustion, types I and II. Lancet, Lond., 1944, **2**: 491; 527.—**Love, R. J. M.** Heat exhaustion and other effect of heat. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 963–6.—**MacLean, K. S.** Observations on sunstroke and heat exhaustion in the tropics. J. R. Nav. M. Serv., 1943, **29**: 31–6.—**O'Brien, J. P.** Tropical anhidrotic asthenia; its definition and relationship to other heat disorders. Arch. Int. M., 1948, **81**: 799–831.—**Taylor, H. L., Henschel, A.** [et al.] The effect of the sodium chloride intake on the work performance of man during exposure to dry heat and experimental heat exhaustion. Am. J. Physiol., 1943, **140**: 439–51.—**Wallace, A. W.** Heat exhaustion. Mil. Surgeon, 1943, **93**: 140–6.—**Wooders, M. A., & Curtis, D. A.** Heat exhaustion. In their Emergency Care, Phila., 1942, 99–102.

—— Treatment.

Fletcher, H. H. Treatment of prickly heat (lichen tropicus) Am. J. Derm., 1906, **10**: 257.—**Kessler, A.** Behandlung und Vorbeugung des Lichen tropicus. Trop. Dis. Bull., Lond., 1943, **40**: 628 (Abstr.)—**Kewalram.** Prickly heat and its treatment. Ind. M. Rec., 1930, **50**: 109a.—**Lewis, R. R.** A rapid and certain cure for miliaria rubra. J. R. Army M. Corps, 1942, **78**: 86–9.—**Radclyffe, L.** Alleviation of prickly heat. Brit. M. J., 1947, **2**: 1012.

—— in children.

See also **Acrodynia; Strophulus.**

Griffe. La miliaire rouge du nourrisson. Infirm. fr., 1926, **4**: 107–11.

MILIARIA sebacea.

See also **Acne; Cholesterosis; Sebaceous gland, Retention cyst; Sebocystomatosis.**

Gordon, I. Miliary sebaceous cysts and blisters in the healthy newborn. Arch. Dis. Childh., Lond., 1949, **24**: 286–8, illust.—**Meyer, W. J.** Miliaria sebacea mit universeller Aussaat. Wien. med. Wschr., 1940, **90**: 656.—**Novy, F. G.,** jr. Tropical acne. California M., 1946, **65**: 274–7. ——— A severe form of acne developing in the tropics. Arch. Derm. Syph., Chic., 1949, **60**: 206–16.—**Sulzberger, M. B., Addenbrooke, F.** [et al.] Tropical acne. Bull. U. S. Army M. Dep., 1946, **6**: 149–54. Also U. S. Nav. M. Bull., 1946, **46**: 1178–84.

MILIARIASIS.

See **Miliaria rubra.**

MILIARY fever.

Syn.: Sudor Anglicus; Suette miliaire; Sweating sickness.

See also **Acrodynia.**

Buhl, P. *Der epidemiologische Charakter des Schweissfriesels und seine Beziehung zu anderen Infektions- und Nervenkrankheiten [Würzburg] 32p. 8° Ochsenfurt-Main, 1933.

Immermann, H. Der Schweissfriesel. 80p. 8° Wien, 1898.

In: Spec. Path. & Ther. (Nothnagel, H.) Wien, 1898, **5**: 4.T.

Roffia, G. La febbre miliare essenziale. 39p. 8° Mantova, 1902.

Balduzzi, A. Nuovi chiarimenti intorno alla febbre miliare. Gazz. osp., 1927, **48**: 265–8.—**Bieling, R.** Schweissfrieseln. In: Handb. Viruskr. (E. Gildemeister, et al.) Jena, Bd 1, 1939, 452.—**Couvée.** Febris miliaris. Med. rev., Haarlem, 1907, **7**: 520–7.—**Cúneo, N. L., & Segura, G.** Suette miliaire. Sem. méd., B. Air., 1923, **30**: pt 2, 252–5.—**Davezac.** A propos de la suette miliaire. Bull. Soc. méd. chir. Bordeaux (1906) 1907, 362.—**Duclos.** Un cas isolé de suette miliaire à éruptions multiples et généralisées. Arch. méd. Toulouse, 1909, **16**: 49–52.—**Enriquez, E., & Carrié, P. A.** Suette miliaire. In: Nouv. tr. path. int., Par., 1926, **1**: 259–65.—**Hamill, S. M.** Miliary fever. In: Handb. Pract. Treat. [Musser & Kelly] Phila., 1911, **2**: 635–9.—**Hirigoyen, P. G.** Un cas sporadique de suette miliaire à début brusque. J. méd. Bordeaux, 1906, **36**: 589–91.—**Le Blaye, R.** Notes hématologiques sur la suette miliaire. Bull. Soc. méd. hóp. Paris, 1926, 3. ser., **50**: 1551–3. Also Arch. méd. chir. province, 1926, **16**: 534–6.—**Miller, L. E.** Sweating disease. Proc. Transvaal Mine M. Off. Ass., 1931–32, **11**: 44–8.—**Penolazzi, I.** Della migliare perniciosa. Mem. med. contemp., Venez., 1845, **14**: 273–301.—**Proctor, R. L. G.** Some observations on the investigation of a case of pyrexia of uncertain origin. J. R. Nav. M. Serv., 1940, **26**: 211–21.—**Saric, R.** La suette miliaire. In: Traité d. méd., Par., 1948, **1**: 756–9.—**Tanon, L.** La suette miliaire. Progr. méd., Par., 1926, **41**: 977–82.—**Taylor, F. R.** Miliary fever. In: Oxford Med. (Christian, H. A., ed.) N. Y., 1940, **5**: 1089–92.—**Wallis, C.** Exantema febril, vesiculoso, miliar, de caracter epidémico; sudor miliar? Arch. mex. venér., 1946, 2. época, **5**: 234–8. Also Medicina, Méx., 1947, **27**: 94–7.

—— Geography.

C., R. L'épidémie de suette miliaire dans les Charentes. Hyg. gén. appl., Par., 1906, **1**: 321–3.—**Chantemesse & Renault, J.** Préfecture de la Charente; suette miliaire. Limousin méd., 1906, **30**: 164.—**Chassevant.** L'épidémie de suette miliaire dans les Charentes. Bull. méd., Par., 1906, **20**: 544.—**Devaux, P.** Epidémie de suette miliaire dans la Charente. Limousin méd., 1906, **30**: 159–64.—**Haury.** L'épidémie de suette miliaire des Charentes. Ann. hyg., Par., 1907, 4. ser., **8**: 277–81.—**Le Blaye, R.** La suette miliaire. Prat. méd. fr., 1927, **6**: 539–50.—**Lemser, H.** Der Englische Schweiss in seiner Abhängigkeit von Rasse, Boden und Klima (ein Beitrag zur Geomedizin der Seuche) Zschr. Hyg., 1936–37, **119**: 476–504.—**Orsolato, G.** Della costituzione epidemica di febbri miliari che dominò nel comune di Saonara ed in alcuni altri della provincia di Padova nell'estate degli anni 1845–46. Gior. progr. pat., Venez., 1847, ser. 2, **12**: 91; 161.—**Rousseau, L.** La suette miliaire dans le Montmorillonnais; considérations générales; quelques caractéristiques de l'épidémie de 1926. Arch. méd. chir. province, 1935, **25**: 232–40. Also Bull. Acad. méd., Par., 1935, 3. ser., **113**: 293–302. Also Rev. méd. Centr. Ouest, 1935, **7**: 296–308. Also Presse méd., 1935, **43**: 367 (Abstr.)—**Zeiss, H.** Ueber Englischen Schweiss und Schweissfriessel in Russland. Arch. Hyg., Münch., 1931–32, **107**: 243–54.

—— History.

Chardac, P. *Histoire de la suette miliaire en Poitou, 1845–1940. 79p. 24cm. Par., 1941.

Rozé, G. *Le suette picarde; étude médico-historique. 43p. 24cm. Par., 1942.

Senf, R. H. *Ein kartographischer Beitrag zur Geschichte des englischen Schweisses. p.273–91. 8° Lpz., 1930.

Also Kyklos, Lpz., 1930, **3**:

Braun, A. Zur Geschichte des englischen Schweisses. Münch. med. Wschr., 1934, **81**: 1981.—**Filippi, E.** Una malattia epidemica scomparsa; la migliare. Riv. stor. sc. med., 1929, 3. ser., **20**: 217–45.—**Fischer, I.** Der Englische Schweiss. Ciba Zschr., Basel, 1942–44, **8**: 3406.—**Galtier, L.** Rapport sur l'épidémie de suette miliaire, qui a régné dans l'arrondissement de Castelnaudary, Aude, pendant une partie de l'année 1864. J. méd. Toulouse, 1866, 4. ser., **5**: 69; passim.—**Hecker, G. F. C.**

Il sudore anglicano, 1551. Mem. med. contemp., Venez., 1841, 6: 201; 486.—**MacNalty, A. S.** The sweating sickness. In his Renaissance. Lond., 1946, 7–10.—**Railliet, G.** Une épidémie de suette miliaire dans le Porcien au 18. siècle. Bull Soc. fr. hist. méd., 1930, 24: 389–97.—**Roberts, L.** Sweating sickness and Picardy sweat. Brit. M. J., 1945, 2: 196.—**Scortegagna, F. O.** Storia del morbo migliare comparso in Lonigo nel primo decennio, cioè dal 1822 al 1832. Gior. progr. pat., Venez., 1843, scr. 2, 4: 489–518.—**Shaw, M. B.** A short history of the sweating sickness. Ann. M. Hist., 1933, n. ser., 5: 246–74.—**Tidy, H.** Sweating sickness and Picardy sweat. Brit. M. J., 1945, 2: 63.

—— in animals.

Chantemesse, Marchoux & Haury. La suette miliaire. Rev. path. comp., Par., 1906, 5: Nov., 26.—**Lawrence, D. A.** Sweating sickness. Vet. Bull, Lond., 1943, 13: 218 (Abstr.)

—— in children.

See also **Acrodynia.**

Brudziński, J. O prosówce potnej u dzieci. Przegl. pedyat., 1914, 6: 193–206.—**Darré, H., & Martin, R.** Suette miliaire. In: Traité méd. enf. (Nobécourt & Babonneix) Par., 1934, 2: 418–24.—**Glaser & Gibson.** Irritability; excessive perspiration. Case Rep. Child. Mem. Hosp. Chicago, 1946, 5: 497.—**Meyer zu Horste, G.** Ein eigenartiger Verlauf der Feerschen Krankheit; Rückfall oder Neuerkrankung? Klin. Wschr., 1931, 10: 28.—**Peleskei, L.** [Miliaria infectiosa] Orv. hetil., 1936, 80: mell., 11. Also Gyógyászat, 1939, 79: 241–3.—**Sachs.** Fussiness; itching of hands and feet. Case Rep. Child. Mem. Hosp. Chicago, 1944, 3: 199–203.—**Stroé, A.** Sur une maladie épidémique avec exanthème miliaire chez les enfants et nourrissons (suette miliaire infantile) Rev. fr. pédiat., 1931, 7: 467–72.—**Zechlin, T.** Die Beziehungen der Selter-Swift-Feerschen Krankheit zu dem epidemischen Schweissfriesel (Sudor anglicus) Jahrb. Kinderh., Berl., 1929, 3. F., 74: 195–234.

MILIARY lupoid.

See also **Angiolupoid; Granuloma benignum; Miliary tuberculosis,** Lung; **Reticulosis; Sarcoidosis.**

Saeli, A. J. *Boeck's sarcoid. 31 l. 28cm. Rochester, N. Y., 1941.

Arias, C. O., & Grieco, F. L. El lupoide miliar de los autores franceses; el sitio que le corresponde hoy día en la nomenclatura dermatológica; contribución a su estudio y presentación de un caso. Sem. méd., B. Air., 1943, 50: 1369–75.—**Audry, C.** Sur une variété riziforme de miliaire lupoide. Ann. derm. syph., Par., 1908, 4. ser., 9: 24–7.—**Becker, S. W.** Sarcoid (miliary) Arch. Derm. Syph., Chic., 1943, 48: 223.—**Berggreen, P.** Miliarlupoid. Zbl. Haut Geschlkr., 1941–42, 67: 287.—**Bernstein, S. S.** The miliary form of pulmonary sarcoidosis. J. Mount Sinai Hosp. N. York, 1945–46, 12: 1045–9.—**Bohnstedt.** Miliarlupoid Boeck. Arch. Derm. Syph., Berl., 1946–47, 186: 442.—**Costello, M. J.** Lichenoid and miliary sarcoid (Boeck) in a Negro woman improved after treatment with calciferol (vitamin D_2) Arch. Derm. Syph., Chic., 1949, 60: 970.—**Degos, R., Garnier, G., & Delort, J.** Réticulose épithélioïde (forme aiguë de la maladie de Schaumann) Ann. derm. syph., Par., 1943, 3: 324.— **Degos, R., & Lortat-Jacob, E.** Maladie de Schaumann miliaire et annulaire. Ibid., 1947, 7: 400.—**Duwé, G.** Lupoides miliaires disséminées. Ibid., 1927, 8: 293–6.—**Ehlertsen, C. F.** Et tilfaelde af lymfogranulomatosis benigna generalisata og tuberculose. Ugeskr. laeger, 1943, 105: 1039–41.—**Escartefigue.** Un cas de lupus angiomateux de Besnier. Arch. méd. pharm. nav., Par., 1935, 125: 487–95.—**Fonseca Bicudo Junior, J. da.** Um caso de lupoide cutaneo de Boeck; forma em placa. Rev. Ass. paul. med., 1936, 8: 243–50, 2 pl.—**Gaté, J., Michel, P. J.** [et al.] Lupoïdes miliaires disséminées du visage à type lymphodermique. Bull. Soc. fr. derm. syph., 1936, 43: 163–5.—**Gottron.** Miliares Boecksches Sarkoid. Derm. Wschr., 1943, 116: 335.—**Gougerot, H., & Carteaud, A.** Auto-inoculation de nodules lupoïdes de la maladie de Schaumann dans deux cicatrices opératoires. Ann. derm. syph., Par., 1943, 3: 307.—**Hall, F.** Angiolupoid of Brocq and Pautrier. Arch. Derm. Syph., Chic., 1946, 54: 371.—**Harrell, G. T.** Generalized sarcoidosis. J. Bowman Gray School M., 1943, 1: 1–4.—**Hatano, R.** Boeck-si rui-rōsō no iti rei. Rinsyo hihu hinyoka, 1949, 3: 34–6.—**Hufnagel, L.** Gommes tuberculeuses des jambes d'aspect syphiloïde; adénite cervicale bacillaire; nodules dermo-hypodermiques, à type de sarcoïdes, tuberculisant le cobaye. Bull. Soc. fr. derm. syph., 1924, 31: 362–8.—**Jonquieres, E. J.** Sarcoides; variedad lupoides miliares de Boeck. Rev. As. méd. argent., 1941, 55: 234–6.—**Kagaya, Z.** Rui-rōsō no iti rei. Jap. J. Derm. Urol., 1939, 45: 229.—**Kaziyama, N.** Ein Fall von Lupoid. Ibid., 1938, 44: 103 (Abstr.)—**Marre, I. R.** Lupoid (Boeck's sarcoid) Proc. R. Soc. M., Lond., 1943–44, 37: 411.—**Masure, Savès & Pirot, R.** Angio-lupoïde ou lupus tuberculeux atténué. Bull. Soc. fr. derm. syph., 1936, 43: 1046–50. Also Arch. méd. pharm. nav., 1937, 127: 116–20.—**Müller, R. W.** Ueber das generalisierte Miliarlupoid beim Kind. Mschr. Kinderh., 1938, 72: 34–43.—**Nödl.** Boecksches Sarkoid unter dem Bilde des Angiolupoids und Miliarlupoids. Derm. Wschr., 1941, 113: 851.—**Nonnenbruch, W., & Schubert, M.** Ueber einen Fall von Boeckscher Krankheit (Miliarlupoid Besnier-Boeck) Deut. med. Wschr., 1942, 68: 988.—**Oppenheim, M.** Disseminated miliary sarcoid (Boeck) Arch. Derm. Syph., Chic., 1946, 53: 548.—**Ozeki, Y., Ohmori, S., & Morikawa, T.** Biman sinzyun-kei rui-rōsō no iti rei. Jap. J. Derm. Urol., 1939, 45: 251.—**Pasini, A.** Linfogranulomatosi benigna tubercoloide (Schaumann) senza manifestazioni cutanee. Atti Soc. ital. derm. sif., 1938, 1: 1129–31. ——— Linfogranulomatosi benigna di Schaumann malattia generale tubercoloide (malattia di Besnier, Boeck e Schaumann) Rass. clin. sc., 1940, 18: 3–7.—**Pautrier, L. M.** Lupoïdes miliaires de la face d'origine tuberculeuse. Bull. Soc. fr. derm. syph., 34: 802–6.—**Rabelo, F. E., & Drolhe da Costa, E.** Apresentação de um caso de ângio-lupóide. An. brasil. derm. sif., 1945, 20: 368.—**Riehl.** Gemischtknotiges Miliarlupoid Boeck. Klin. Med., Wien, 1949, 4: 471.—**Roos, B.** Ueber das Vorkommen der Schaumannschen benignen Lymphogranulomatose (des Boeckschen benignen Miliarlupoids) bei Kindern. Zschr. Kinderh., 1937–38, 59: 280–302.—**Santi, M.** Reticulosi epitelioide diffusa; linfogranuloma benigno, malattia di Besnier-Boeck-Schaumann. Minerva med., Tor., 1948, 39: pt 2, 751–6.—**Satō, S.** Sarkoid Boeck (kleinknotige, disseminierte Form) Jap. J. Derm. Urol., 1938, 43: 106 (Abstr.)—**Schubert, M.** Lupoide Boeck-Besnier. Derm. Wschr., 1943, 116: 311.—**Sequeira, J. H.** Non-ulcerating tuberculide(?) Boeck's miliary sarcoid, following lupus vulgaris. Proc. R. Soc. M., Lond., 1910–11, 4: Derm. Sect., 67.—**Sienko** [Simultaneous erythematous and miliary tuberculosis] Przegl. derm., Warsz., 1938, 33: 393.—**Tanaka, K.** Zwei Fälle von Lupoid Boeck. Jap. J. Derm. Urol., 1938, 44: 110 (Abstr.)—**Tappeiner.** Lupoid Boeck (grossknotige Form) Klin. Med., Wien, 1949, 4: 472. ——— Lupoid Boeck (diffus infiltrierende Form) Ibid., 473.—**Vosbein, E. B.** Boecks sarkoid: grupperet nodulaer form, lupus miliaris disseminatus? Nord. med., 1941, 9: 830 (Abstr.) ——— Et tilfaelde af lupuslignende Boecks sarkoid. Ibid. (Abstr.) ——— Boeck's sarkoid, dissemineret lupus-lignende form med subcutane infiltrater. Ibid., 21: 261. Also Acta derm. vener., Stockh., 1944, 24: 498.—**Weve, H. J. M.** Boecks Miliarlupoid der Konjunktiva. Klin. Mbl. Augenh., 1940, 105: 624.—**Wise, F.** Disseminated sarcoidosis, treated with diphtheria toxoid. Arch. Derm. Syph., Chic., 1942, 45: 1010–2.—**Zieler, K.** La malattia di Boeck è una tubercolosi? Atti Soc. ital. derm. sif., 1939–40, 2: 1480–4.

—— Lupus pernio.

See also **Erythema pernio; Frostbite; Lupus pernio.**

Abramowitz, E. W. A case for diagnosis: lupus pernio? Arch. Derm. Syph., Chic., 1948, 57: 544–6.—**Andrews, G. C.** Lupus pernio. Ibid., 558.—**Barney, R. E.** Lupus pernio. Ibid., 1941, 44: 136.—**Finnerud, C. W.** Tuberculosis cutis, sarcoid? lupus pernio type? lupus tumidus? Ibid., 43: 1091.—**Graham, J. C.** Lupus pernio (Besnier) Ibid., 1945, 52: 208.—**Grzybowsky.** Lupus pernio de l'oreille [Illustration] Ann. derm. syph., Par., 1947, 7: opp. p. 432.—**Hecht, P.** Ueber spezifische Lungenerkrankung bei Lupus pernio und Ostitis tuberculosa multiplex cystoides. Zschr. Tuberk., 1928, 51: 125–9, pl.—**Isaka, Y.** Drei Fälle von Lupus pernio. Jap. J. Derm. Urol., 1941, 49: Trans., 30.—**Ludy, J. B.** Lupus erythematosus following frostbite. Arch. Derm. Syph., Chic., 1944, 49: 367.—**Mercadal Peyrí, J., & Dulanto, F.** Un caso de chilblain lupus. Actas derm. sif., Madr., 1940–41, 32: 861–7.—**Pautrier, L. M.** Deux cas de maladie de Besnier-Boeck-Schaumann à type de lupus pernio. Bull. Soc. fr. derm. syph., 1949, 56: 83–6. ——— & **Woringer.** Deux cas de maladie de Besnier-Boeck-Schaumann à type de lupus pernio. Strasbourg méd., 1948, 108: 253 (Abstr.)—**Perrin, H.** Un cas inédit de lupus pernio. Commun. Congr. derm. syph. fr., 1926, 3. Congr., 1: 7–10. Also P. verb. Congr. derm. syph. fr., 1926, 3. Congr., 344–7.—**Prakken, J. R.** Chilblain lupus? Ned. tschr. geneesk., 1948, 92: 1274.—**Ramos e Silva, J., & Leite Gomes, G.** Caso pró-diagnose, lupus pernio? An. brasil. derm. sif., 1943, 18: 254.—**Riehl.** Atvpischer Lupus pernio. Klin. Med., Wien, 1947, 2: 90. Also Wien. klin. Wschr., 1947, 59: 704.—**Riordan, T. J.** Pernio with milia. Arch. Derm. Syph., Chic., 1946, 53: 653.—**Shaffer, L.** A case for diagnosis (lupus pernio; sarcoid?) Ibid., 54: 469.—**Takata, I.** Kōhan-sei rōsō-yō gaikan wo tei-seru tōsō-zyō rōsō. Jap. J. Derm. Urol., 1934, 36: 383.—**Vosbein, E.** Boeck's sarcoid; lupus pernio. Acta derm. vener., Stockh., 1944, 24: 499. Also Nord. med., 1944, 21: 260.—**Watrin, J.** Lupus pernio de la face, des mains et des pieds. Ann. derm. syph., Par., 1946, 6: 717.—**Weissenbach, R. J., Bocage** [et al.] Maladie de Besnier-Boeck-Schaumann à type de lupus pernio des doigts et des orteils. Ibid., 1942, 2: 494.—**Whittle, C. H.** Lupus pernio. Proc. R. Soc. M., Lond., 1942–43, 36: 611.

MILIARY lupus.

See also **Tuberculid; Tuberculosis cutis luposa;** also **Lupus vulgaris,** in 3. ser.

Hellmund, I. *Beitrag zur Häufigkeit und Verlaufsweise des Lupus miliaris disseminatus faciei. 19p. 8° Berl., 1936.

Weiss, I. *Zur Kenntnis des Lupus miliaris disseminatus faciei. 16p. 23cm. Berl., 1938.

Zachow, E. *Ueber einen bemerkenswerten Fall von Lupus miliaris disseminatus [Berlin] 38p. 8° Jena, 1933.

Abramowitz, E. W. A case for diagnosis (lupus vulgaris? Lupus miliaris disseminatus faciei?) Arch. Derm. Syph., Chic., 1937, **35**: 507.—**Bertaccini, G.** Lupus miliaris disseminatus. Atti Soc. ital. derm. sif., 1939, **2**: 717–26.—**Bloch.** Lupus miliaris faciei. Schweiz. med. Wschr., Basel, 1927, **57**: 44.—**Boncinelli, U.** Su di un caso atipico di lupus miliaris disseminatus. Ann. ital. derm., 1949, **4**: 143.—**Bonnevie, P.** Ueber Lupus follicularis s. miliaris disseminatus, insbesondere, die rosaceaartigen Fälle, lupoide und mikrolupoide Tuberkulide. Acta derm. vener., Stockh., 1941, **22**: 493. Also Nord. med., 1941, **9**: 841 (Abstr.)—**Cipollaro, A. C.** Lupus miliaris faciei. Arch. Derm. Syph., Chic., 1938, **37**: 529.—**Crawford, G. M.** A case for diagnosis (sarcoid; tuberculosis miliaris disseminata facei?) Ibid., 1945, **51**: 416.—**Discusión** sobre lupus miliar diseminado. Rev. argent. derm. sif., 1943, **27**: 367.—**Dramoff, T.** Zum Lupus miliaris disseminatus faciei. Beitr. Klin. Tuberk., 1939, **93**: 677–82.—**Ebert, M. H.** Lupus miliaris disseminatus faciei. Arch. Derm. Syph., Chic., 1936, **33**: 926.—**Gaté, J., Cuilleret, P.,** & **Blanchard, H.** Lupus miliaire acnéiforme du visage. Bull. Soc. fr. derm. syph., 1939, **46**: 929.—**Gaté, J.,** & **Racouchot, J.** Tuberculose cutanée aiguë post-rubéolique à type de lupus miliaire. Ibid., 1937, **44**: 515–7.—**Glueck, H. I.** Lupus miliaris disseminatus. Med. Bull. Univ. Cincinnati, 1935, **7**: 127–9.—**Gockowski, J.** [Lupus miliaris faciei] Przegl. derm., Warsz., 1935, **30**: 275.—**Goldsmith, W. N.** Case of lupus miliaris faciei. Brit. J. Derm. Syph., 1934, **46**: 431. Also Proc. R. Soc. M., Lond., 1934, **27**: 1457.—**Gordon, H.** Lupus miliaris. Ibid., 1935–36, **29**: 248.—**Gottron.** Lupus miliaris disseminatus. Derm. Wschr., 1941, **113**: 847.—**Gougerot, Barthélémy** & **Lotte.** Tuberculoses nodulaires miliaires simulant l'acnitis. Bull. Soc. fr. derm. syph., 1928, **35**: 811.—**Gougerot, H.,** & **Blum, P.** Tuberculose papuleuse miliaire disséminée de la face (lupus miliaire disséminée) forme de transition avec les tuberculides papulonécrotiques. Ibid., 1938, **45**: 37–9.—**Gougerot, H.,** & **Lortat-Jacob, E.** Lupus miliaire du menton. Ibid., 1935, **42**: 436.—**Harada, G.** Fünf Fälle von Lupus miliaris disseminatus faciei. Jap. J. Derm. Urol., 1935, **37**: Suppl., 45 (Abstr.)—**Iannuzzi, G.** Su di un caso di lupus miliaris disseminatus. Gior. ital. derm. sif., 1942, **83**: 226–43, pl.—**Irgang, S.** Tuberculosis miliaris disseminata chronica in the Negro. Arch. Derm. Syph., Chic., 1948, **57**: 184–95. ——— Tuberculosis miliaris disseminata faciei. Ibid., 1949, **60**: 447.—**Jadassohn.** Zwei Fälle von Lupus miliaris. Zbl. Haut & Geschlkr., 1926, **20**: 741.—**Klaber, R.** Lupus miliaris faciei. Proc. R. Soc. M. Lond., 1934–35, **28**: 1534.—**Koch.** Lupus miliaris disseminatus. Derm. Wschr., 1939, **109**: 1234.—**Kogoj, F.,** & **Frankovic, V.** Ueber einen Fall von Lupus miliaris disseminatus faciei acneiformis und anschliessende Untersuchungen über Serumkutine. Acta derm. vener., Stockh., 1929, **10**: 509–29.—**Lane, C. G.** Lupus miliaris faciei. Arch. Derm. Syph., Chic., 1941, **43**: 171.—**Lösnaess, D.** A case of lupus follicularis disseminatus. Acta derm. vener., Stockh., 1941, **22**: 298.—**Lupus** miliaris disseminatus faciei. Derm. Wschr., 1947, **119**: 532.—**Meijers, E. J.** [Miliary tuberculosis of skin: case] Ned. mschr. geneesk., 1928, **15**: 346–8, pl.—**Melik, W.** Tuberculosis miliaris cutis bei einem Erwachsenen. Derm. Zschr., 1927, **50**: 199–204.—**Myers, W. K.** Lupus miliaris faciei. Proc. R. Soc. M., Lond., 1935–36, **29**: 1642.—**Niles, H. D.** Lupus miliaris faciei disseminatus. Arch. Derm. Syph., Chic., 1936, **33**: 923.—**Oppenheim, M.,** & **Cohen, D.** Tuberculosis miliaris disseminata faciei. Ibid., 1945, **52**: 59.—**Ormsby, O. S.** Disseminated miliary tuberculosis of the face. Ibid., 1948, **57**: 465. ——— Lupus miliaris disseminatus faciei. Ibid., 1948, **58**: 526.—**Otani, A.** Vier Fälle von Lupus miliaris disseminatus faciei. Jap. J. Derm. Urol., 1935, **37**: Suppl., 82 (Abstr.)—**Peck, S. M.** Beitrag zur Lehre vom Lupus miliaris disseminatus faciei. Arch. Derm. Syph., Berl., 1929, **158**: 545–55.—**Post, W.** Positiver Bazillennachweis im Tierversuch bei einem Fall von Lupus miliaris disseminatus faciei. Derm. Zschr., 1927, **51**: 202–7.—**Puente, J. J.** Lupus folicular diseminado. Prensa méd. argent., 1941, **28**: 569.—**Putkonen, T.** Report of a case of disseminated miliary lupus. Acta derm. vener., Stockh., 1932–33, **13**: 590–2.—**Rabelo Júnior, Portugal, H.,** & **Rocha, G.** Lupus miliar disseminado. An. brasil. derm. sif., 1943, **18**: 53.—**Ramel, E.** Lupus miliaris faciei. Dermatologica, Basel, 1941, **83**: 115.—**Riordan, T. J.** Tuberculosis cutis (lupus miliaris disseminatus) Arch. Derm. Syph., Chic., 1939, **40**: 1051.—**Rostenberg, A.** A case for diagnosis (lupus miliaris faciei?) Ibid., 1936, **33**: 943.—**Schirner.** Lupus miliaris facici. Derm. Wschr., 1939, **108**: 397.—**Schmidt, E.** Tuberculosis luposa disseminata faciei bei 33jährigen Mann. Ibid., 1938, **106**: 309.—**Sharlit, H.** Lupus miliaris disseminatus faciei. Arch. Derm. Syph., Chic., 1942, **45**: 217.—**Stöhr, D.** Fall von Miliartuberkulose der Haut im anergischen Stadium der Masern. Wien. med. Wschr., 1927, **77**: 590.—**Strang, R. P.** Lupus vulgaris with miliary lymphatic spread; epithelioma. Proc. R. Soc. M., Lond., 1945–46, **39**: 100.—**Sundt, H.** [Two cases of lupus disseminatus; post-exant hematous miliary tuberculosis of the skin] Med. rev., Bergen, 1922, **39**: 20–38, 2 pl.—**Traub, E. F.** Lupus miliaris disseminatus of the face and axillas. Arch. Derm. Syph., Chic., 1939, **40**: 515.—**Tzanck, A.,** & **Dobkévitch, S.** Un cas de lupus miliaire. Bull. Soc. fr. derm. syph., 1938, **45**: 1651.—**Vail, S. S.** [Problem of acute miliary tuberculosis of the skin] Vopr. tuberk., Moskva, 1929, **7**: 629–32.—**Weissenbach, Lévy-Franckel** [et al.] Micro-lupus folliculaire disséminé. Bull. Soc. fr. derm. syph., 1935, **42**: 1753–7. ——— & **Martineau.** Micro-lupus folliculaire disséminé. Ibid., 1937, **44**: 298. Also Rev. fr. derm. vénér., 1937, **13**: 357.—**Winkler, M.** Lupus miliaris faciei. Dermatologica, Basel, 1941, **83**: 126.

MILIARY tuberculid.

See also **Miliary lupoid; Tuberculid.**

Bonnevie, P. Tuberculides lupoides miliares. Nord. med., 1941, **9**: 826 (Abstr.)—**Civatte, Tzanck** & **Jaïs.** Tuberculides miliaires en forme de rosacée. Bull. Soc. fr. derm. syph., 1937, **44**: 395–402.—**Freund, E.** Sur deux cas d'un nouveau type de tuberculide (tuberculides papuleuses miliaires disséminées type Milian-Garnier) Rev. fr. derm. vénér., 1930, **6**: 578–98. ——— [New type of tuberculid; papular miliary tuberculid of Milian-Garnier disseminated type] Ceská derm., 1931, **12**: 104–15.—**Gougerot** & **Burnier.** Tuberculides miliaires disséminées. Bull. Soc. fr. derm. syph., 1936, **43**: 382–4. ——— Tuberculides micropapuleuses, lupoïdes, groupées en placards symétriques des bras. Ibid., 1938, **45**: 911.—**Hasimoto, T.** Ueber die sogenannten tuberculides papuleuses miliaires disséminées. Acta derm., Kyoto, 1934, **23**: 22–7.—**Lynch, F.** Miliary papular tuberculid. Arch. Derm. Syph., Chic., 1946, **53**: 519.—**MacKeith, R.** Miliary tuberculide of skin. Proc. R. Soc. M., Lond., 1948, **41**: 458.—**Milian, G.,** & **Garnier, G.** Eruption papuleuse disséminée survenue au cours d'un rhumatisme articulaire aigu (tuberculides papuleuses) Rev. fr. derm. vénér., 1930, **6**: 138–45.—**Pautrier, L. M.,** & **Woringer, F.** Tuberculides micronodulaires de la face, du cou et de la poitrine. Bull. Soc. fr. derm. syph., 1939, **46**: 413–6.—**Sézary, A., Horowitz, A.,** & **Maschas, H.** Tuberculides miliaires en plaques. Ibid., 1938, **45**: 24–6.—**Wise, F.** Tuberculosis miliaris disseminata faciei. Arch. Derm. Syph., Chic., 1945, **52**: 203.

MILIARY tuberculosis.

See also **Tuberculosis** and its subdivisions.

Albores. Granulia. Prensa méd. argent., 1942, **29**: 154.—**Baehr, G.** Miliary tuberculosis. J. Mount Sinai Hosp. N. York, 1939–40, **6**: 279–81.—**Carroll.** Miliary tuberculosis. Arch. Pediat., N. Y., 1948, **65**: 624–7.—**Cosio Villegas, I.** La tuberculosis miliar. Rev. mex. tuberc., 1948, **9**: 14–31, 4 pl.—**Even, R., Lecoeur, J.,** & **Sors, C.** La granulie et les miliaires tuberculeuses. Sem. hôp. Paris, 1947, **23**: 1105–7.—**Gratzek, F.** Miliary tuberculosis. Bull. Staff Meet. Minnesota Gen. Hosp., 1940–41, **12**: 185–98.—**Harvey, C.** Miliary tuberculosis. Med. J. Australia, 1948, **2**: 700.—**Hoyle, C.** Miliary tuberculosis. Nurs. Times, Lond., 1938, **34**: 931–4.—**Jongh, C. L. de** [Miliary tuberculosis] Ned. tschr. geneesk., 1940, **84**: 3274–80.—**Kollert, V.** Miliartuberkulose. Wien. klin. Wschr., 1926, **39**: H. 30, Sonderbeil., 1–16.—**Lassen, O.** [Miliary tuberculosis] Ugeskr. laeger, 1934, **96**: 948–55.—**Le Sueur, G.** Granulie tuberculeuse. Gaz. hôp., 1940, **113**: 277; 326; 349.—**López Isnardi, N.** Granulia y tuberculosis miliar. Clínica, Barcel., 1936, **13**: 20–2.—**Miliary tuberculosis.** Brit. M. J., 1943, **1**: 517.—**Ramond, L.** Granulie. Presse méd., 1929, **37**: 1535.—**Thompson, P. V.** Miliary tuberculosis. Q. Bull. Indiana Univ. M. Center, 1941, **3**: 77–9.—**Waters, B. H.** Miliary tuberculosis. In: Pract. Med. (Tice, F.) N. Y., 1920, **2**: 569–75.—**Webster, R.** Miliary tuberculosis. Med. J. Australia, 1943, **1**: 544.—**Wilson, R.,** jr. Miliary tuberculosis. J. S. Carolina M. Ass., 1942, **38**: 53–5.—**Yater, W. M.,** & **Moravec, M. E.** Miliary tuberculosis. Med. Ann. District of Columbia, 1942, **11**: 307–11.

—— acute.

See also other subheadings (Pathogenesis; Pharynx; Sepsis)

Cornet, G. Die akute allgemeine Miliartuberkulose. 2. Aufl. 79p. 24cm. Wien, 1913.

Lasserre, J. *De la tuberculose aiguë au cours du premier âge; les syndromes ganglio-pulmonaires dans ses formes graves initiales. 315p. 24cm. Toulouse, 1935.

Bibliogr.: p. 297–314.

Waldkirch, R. M. Acute miliary tuberculosis with observations on twenty-seven cases confirmed by autopsy at Milwaukee County General Hospital. 20p. 4° Wauwatosa, Wis., 1933.

Auerbach, O. Acute generalized miliary tuberculosis. Am. J. Path., 1944, **20**: 121–36.—**Chapman, C. B.,** & **Whorton, C. M.** Acute generalized miliary tuberculosis in adults. N. England J. M., 1946, **235**: 239–48.—**Desmeules, R., Rousseau, L.,** & **Richard, P.** A propos des granulies aiguës. Laval méd., 1944, **9**: 633–40.—**Dumon, G.** A propos d'une observation de granulie aiguë. Marseille méd., 1941, **78**: 884–9.—**Fiessinger, N.,** & **Leroux, R.** La tuberculose miliaire aiguë latente d'accompagnement. Bull. Acad. méd., Par., 1944, **128**: 603.—**Güttner, H. G.** Untersuchungen zur Frage des Entstehens der

akuten allgemeinen Miliartuberkulose. Beitr. path. Anat., 1947, **109**: 521–66.—**Jagić, N.** Akute Miliartuberkulose. Wien. klin. Wschr., 1949, **61**: 596.—**Kielanowski, T.** [Frequency of acute miliary tuberculosis in various ages of life] Polska gaz. lek., 1934, **13**: 555–60.—**Kirshbaum, J. D.** Acute miliary tuberculosis, late generalization. In: Path. Conf. (Jaffé, R. H.) Chic., 1940, 1136.—**Langeron, L., & Hour, H. d'.** A propos de deux cas de granulies aiguës; étude comparative des radiographies ante et post mortem. J. sc. méd. Lille, 1930, **48**: pt 2, 261–7, pl.—**Leitner, S. J.** Der Formenkreis der akuten und protrahierten Miliartuberkulose. Acta tuberc. scand., 1940, **14**: 324–87.—**Levine, V.** Acute miliary tuberculosis. In: Path. Conf. (Jaffé, R. H.) Chic., 1940, 637.—**Litvak, A. M.** Acute miliary tuberculosis in children. In: Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, **1**: 778–82.—**Magnoni, F.** Su un caso di tubercolosi miliare acuta. Riv. med., 1935, **43**: 1–4.—**Oricchio, D.** La tubercolosi miliare acuta ad andamento protratto. Ann. Ist. Carlo Forlanini, 1943, **7**: 293–306.—**Packard, E. N.** Acute disseminated miliary tuberculosis. Med. Clin. N. America, 1946, 263–70.—**Ramachander Rao, M. G., & Thiyagarajan, N.** Acute miliary tuberculosis, with a case note of a chronic miliary tuberculosis. Antiseptic, Madras, 1941, **38**: 341–3, pl.—**Roncolini, R.** La mortalità e gli aspetti anatomo-istologici della miliare acuta. Arch. ital. anat. pat., 1938–39, **9**: 696–702.—**Schroeder, M. J.** Errors in diagnosis of acute miliary tuberculosis. Med. J. & Rec., 1929, **130**: 67–9.—**Sembianti, P.** Della tubercolosi miliare acuta generale. Boll. med. trent., 1933, **48**: 103–8.—**Staehelin, R.** Akute allgemeine Miliartuberkulose. In: Handb. inn. Med. (Bergmann, G. et al.) Berl., 1934, **1**: 262–98. ——— Ueber allgemeine akute Miliartuberkulose. Münch. med. Wschr., 1934, **81**: 780–3.—**Stankiewicz, R.** Diagnostic de la granulie aiguë chez les enfants. Arch. méd. enf., 1926, **29**: 632–49.—**Suzuli, T.** Die akute Miliartuberculose. Orient. J. Dis. Inf., Kyoto, 1929, **6**: 29.—**Thums, K.** Ueber akute Miliartuberkulose. Beitr. Klin. Tuberk., 1931, **78**: 273–82.—**Valdés Lambea, J.** Estudios sobre la tuberculosis miliar aguda; casos clínicos y comentarios; relaciones entre la fiebre tifoidea y la tuberculosis. Siglo méd., 1926, **77**: 41; passim.—**Von Buck, S.** The diagnosis of acute miliary tuberculosis. Tr. M. Soc. N. Carolina, 1908, **55**: 406–24.—**Yamamoto, I.** Pathologisch-anatomische und -histologische Untersuchungen über die akute disseminierte Miliartuberkulose. Fukuoka acta med., 1934, **27**: 137–40.—**Zanini, A.** Modalità di guarigione della tubercolosi miliare acuta nell'infanzia. Riv. pat. clin. tuberc., 1946, **19**: 325–32.

—— Age incidence.

See also **Tuberculosis,** Age incidence.

Arnstein, A. Ueber die akute allgemeine Miliartuberkulose im Greisenalter. Wien. med. Wschr., 1937, **87**: 152–7.—**Barber, J. C.** Miliary tuberculosis in a child of 6 months. Nurs. Times, Lond., 1941, **37**: 626.—**Bonciani, G.** Tubercolosi miliare entro il terzo mese di vita. Lotta tuberc., 1932, **3**: 728; 870.—**Green, E. M., & Kotz, A. L.** Report of a case of miliary tuberculosis, probably of bovine origin, in a child, aged four and one-half months. Tr. Internat. Congr. Tuberc., Phila., 1908, **2**: 394–8, 2 pl.—**Greengard, J.** Miliary tuberculosis in children; a clinical and pathological report of 54 cases. Am. Rev. Tuberc., 1928, **18**: 392–403.—**Hartshorn, W. M.** General miliary tuberculosis in an infant aged three months. Am. J. Dis. Child., 1934, **48**: 1443.—**Haugh, D. C.** Miliary tuberculosis in early infancy; review of the literature and case report. Bol. As. méd. Puerto Rico, 1942, **34**: 284–7.—**Hyland, C. M., & Palmer, J. J.** Miliary tuberculosis with death at age of eighteen days. California West. M., 1938, **49**: 384–6.—**Raimondi, R.** La granulie chez le nourrisson (étude clinique) Presse méd., Par., 1918, **26**: 593.—**Rikitake, Y.** Syōni hanpatusei zokuryū-kekkaku-syō no kenkyū hoi [study on general miliary tuberculosis in children] Igaku kenkyu, 1949, **19**: 91–6.—**Rosen, E. v.** Zwei Fälle von Miliartuberkulose in höherem Alter. Acta tuberc. scand., 1934, **8**: 89–101.—**Rosenthal, S. R.** Miliary tuberculosis in senility. In: Path. Conf. (Jaffe, R. H.) Chic., 1940, 533.—**Salas, M., Contreras R., E., & Unda, J.** Tuberculosis generalizada. Bol. méd. Hosp. inf., Méx., 1947, **4**: 207–15.—**Takenaka, S.** Zwei Fälle von Kindermiliartuberkulose. Kekkaku, 1935, **13**: No. 2, 5.—**Valledor, T.** Las granulias en la infancia. Rev. méd. cubana, 1927, **38**: 245–62.—**White, G. M., & Porter, D. F. W.** Miliary tuberculosis in a newborn infant. Canad. M. Ass. J., 1938, **39**: 165.

—— Allergy.

See also **Tuberculin; Tuberculosis,** Allergy.

Bernard, E., Kreis, B. [et al.] Etude des tests cutanés à la tuberculine dans les tuberculoses miliaires de l'adulte. Bull. Soc. méd. hôp. Paris, 1948, **64**: 1011–6.—**Fejgin, M., & Orlikowska, W.** Przypadek gruźlicy płuc krwiopochodnej z wybitnymi objawami alergicznymi . Polski tygod. lek., 1948, **3**: 301–4.—**Oricchio, D.** Sulla reattività cutanea alla tubercolina negli individui affetti da tubercolosi miliare. Ann. Ist. Carlo Forlanini, 1942, **6**: 633–8.—**Renzo, A.** Tuberculose miliar e allergia. Brasil med., 1939, **53**: 161–7.

—— Associated diseases.

Bergman, R. Miliartbc med phlegmonös appendicit. Nord. med., 1941, 11: 2718 (Abstr.)—**Bernard, E., Depierre** [et al.] Maladie de Hodgkin et miliaire tuberculeuse; disparité d'action de la streptomycine. J. fr. med. chir. thorac., 1949, **3**: 268–70.—**Burnand, R.** Considérations sur la granulie froide, à propos d'un cas compliqué d'érythème cutané chronique. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., **50**: 889–97.—**Freeman, W.** Pernicious anemia complicated by acute miliary tuberculosis; report of a case. J. Am. M. Ass., 1931, **97**: 996–8.—**Kaplan, E. N.** [Streptococcal septicemia and miliary tuberculosis] Vrach. delo, 1938, **20**: 297–300.—**Pachioli, R.** Su un caso di granuloma maligno associato a tubercolosi miliare. Riv. clin. pediat., 1939, **37**: 398–435.

—— bovine.

See subheadings (Pathogenesis—in animals)

—— Cardiovascular system.

See also **Tuberculosis,** Cardiovascular system.

HEINZELMANN, L. *Ueber Endokarditis bei Miliartuberkulose [Tübingen] 16p. 8° Metzingen, 1934.

Aguilar, O. P., & Sirlin, G. Trombo-arteritis tuberculosa de la aorta abdominal y granulia terminal. Rev. As. méd. argent., 1940, **54**: 929–33.—**Chiu, Ho Hung.** Tuberculosis of the endocardium in 4 cases of miliary tuberculosis. Caduceus, Hong Kong, 1941, **20**: 171–5, pl.—**Eliashevich, P. A.** [Parietal miliary tuberculosis of the endocardium] Dnipropetr. med. J., 1929, **8**: 319–26.—**Ginés, A. R.** Alteraciones histopatológicas de la arteria radial en el curso de la granulia aguda. Arch. urug. med., 1940, **16**: 140–5.—**Goldstein, J.** Tuberculous pericarditis as a forerunner of generalized miliary tuberculosis. Tubercle, Lond., 1949, **30**: 14–6.—**Grégoire, G.** Aspect radiologique de tuberculose miliaire chez certains cardiaques. Union méd. Canada, 1946, **75**: 678–83. ——— **Caron, M., & Labrecque, J. E.** Péricardite tuberculeuse et granulie. Laval méd., 1946, **11**: 1003–7.—**Kalbfleisch, H. H.** Käsige Venentuberkulose und Miliartuberkulose des Affen. Frankf. Zschr. Path., 1934, **47**: 412–20.—**Mignone, C., & Gikovate, F.** Lesões tuberculosas cardíacas em tuberculose generalizada aguda de adulto. Clín. tisiol., Rio, 1946, **1**: 341–56.—**Reichenfeld, L.** [Miliary tuberculosis of the myocardium] Orv. hetil., 1939, **83**: 1006. ——— Miliartuberkulose und Tuberkulose des Herzmuskels. Zschr. Kreislaufforsch., 1939, **31**: 697–701.—**Roguski, J.** [Miliary tuberculosis in chronic cardiac insufficiency] Polska gaz. lek., 1934, **13**: 499–501.—**Tallqvist, H.** Ocklusion av arteria dorsalis pedis hos ett barn med miliartuberkulos. Nord. med., 1948, **39**: 1464–6.—**Waser, P.** Die miliare Aortentuberkulose; Betrachtungen anhand einer Miliartuberkulose mit tuberkulöser Lebercirrhose. Schweiz. Zschr. Path. Bakt., 1948, **11**: 29–41.

—— Cases.

See also other subheadings (acute; subacute and chronic)

Bernard, E., & Weil, J. Sur un nouveau cas de tuberculose miliaire épisodique. Bull. Soc. méd. hôp. Paris, 1940–41, **56**: 690–4.—**Braggion, N. F.** Un caso di tubercolosi miliare acuta post-laparotomica. Riv. ostet. gin., 1927, **9**: 101–3.—**Goldman, A., Freilich, E. B.** [et al.] [A case of miliary tuberculosis] Bull. Mount Sinai Hosp., Chic., 1949, **1**: No. 4, 3–17, incl. pl.—**Keizer, D. P. R.** [Miliary tuberculosis in relation to some rare cases] Geneesk. tschr. Ned. Indië, 1940, **80**: 351–9, pl.—**Laurier, Y.** Un cas atypique de granulie. Union méd. Canada, 1945, **74**: 452–8.—**Lepage, F., Langevin, G., & Lesne.** A propos de trois cas de granulie. Gyn. obst., Par., 1947, **46**: 479–83.—**Marti, G.** Dos casos de granulia. Asistencia, Méx., 1934–35, **1**: No. 3, 24–6.—**Meakins, J. C.** Two eases of disseminated tuberculosis. Med. Clin. N. America, 1932, **16**: 739–49.—**Miles, T. F., & Curwen, M.** A case of tuberculosis. Brit. M. J., 1940, **1**: 850.—**Miliary** tuberculosis. Bull. Staff Meet. Minnesota Gen. Hosp., 1930–31, **2**: No. 27, 2–4.—**Mondon, H., Lahillonne, P.** [et al.] Sur trois cas de tuberculose miliaire. Lyon méd., 1936, **157**: 777–83.—**Nambiar, K. P. S.** A case of miliary tuberculosis. Antiseptic, Madras, 1947, **44**: 105–8.—**Navarro V., M.** Un caso de tuberculosis miliar. Rev. san. mil., La Paz, 1939, **4**: 753.—**Sygnatowicz.** Przypadek gruźlicy prosówkowej, o niezwykłym przebiegu u chlopca 10 letniego. Pediat. polska, 1948, **22**: 316.

—— Clinical aspect.

MAMIE, M. *Les poussées miliaires successives et terminales dans la phtisie pulmonaire. 66p. 24cm. Lausanne, 1942.

Burnand, R. Considérations sur quelques cas de tuberculose miliaire. Rev. méd. Suisse rom., 1947, **67**: 201–3.—**Chatterjee, G. C.** Massive infection by tuberculosis. Ind. M. Rec., 1927, **47**: 45–7.—**Delarue, J.** Les limites du cadre anatomo-clinique de la tuberculose miliaire. Rev. méd. fr., 1932, **13**: 561–3.—**Docter, A.** Die verschiedenen anatomisch-klinischen Formen der Säuglingstuberkulose unter besonderer Berücksichtigung der supramiliaren (grossknotigen) Form. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern, 1937–42, No. 35, 1–7.—**Escribano Ortiz, G.** Algunas consideraciones sobre facetas clínicas poco

divulgadas de la tuberculosis miliar. Medicamenta, Madr., 1948, **6**: pt 2, 39.—**García Otero, J.** La tuberculosis miliar. An. Clín. méd., Montev., 1938, 21–46, 5 pl.—**Gazmuri Ojeda, O.** Consideraciones sobre la tuberculosis miliar. Arch. méd., Santiago, 1938, **5**: No. 6, 30–4. Also Arch. Clín. méd. E. Prado Tagle (1937–39) 1940, **4**: 179–84.—**Iberbein, M.** [Miliary tuberculosis] Warsz. czas. lek., 1935, **12**: 17; 36; 59.—**Loeschcke, H. H.** Ueber die Frage der Schübe bei Miliartuberkulosen. Beitr. Klin. Tuberk., 1937, **90**: 154–63.—**Lucca, A., & Reviglio, G. M.** Contributo allo studio clinico e radiologico della tubercolosi miliare nella prima infanzia. Pediat. med. prat., Tor., 1934, **9**: 449–62.—**Nordgren, A.** Two cases of miliary tuberculosis with an unusual course. Acta paediat., Upps., 1933–34, **15**: 140.—**Olman, A. E.** [The clinical forms of miliary tuberculosis and errors of differential diagnosis] Probl. tuberk., Moskva, 1944, No. 3, 41–51.—**Rist, E., Rolland, J.** [et al.] Contribution à l'étude anatomo-clinique de la tuberculose miliaire. Rev. tuberc., Par., 1927, 3. ser., **8**: 625–67.—**Schipper, H.** Atypischer Beginn allgemeiner Miliartuberkulose. Wien. klin. Wschr., 1936, **49**: 177–9.—**Straub, M.** De vormen van miliaire tuberculose. Ned. tschr. geneesk., 1948, **92**: 2782–96, 5 pl.—**Takahasi, Y.** Tokui-naru keika wo torisi zokuryū-kekkaku-syō no iti rei [a particular case of miliary tuberculosis, with an unusual course] Annual Rep. Res. Inst. Tuberc. Kanazawa, 1948, **7**: 27–33.—**Vorobiev, S. I.** [Clinical syndrome of hematogenous disseminated pulmonary tuberculosis] Probl. tuberk., Moskva, 1941, No. 3, 16–23.

—— congenital.

Gané, T., Vasilescu, C., & Petrescu, S. Un cas de tuberculose congénitale, forme hépato-splénoganglionnaire; complexe primaire pulmonaire gauche; granulie généralisée. Bull. Soc. méd. hôp. Bucarest, 1939, **21**: 217–41.—**Hainiss, E.** Placentogen entstandene allgemeine Miliartuberkulose beim Neugeborenen. Arch. ital. pediat., 1940–41, **8**: 10–7.—**Husted, E.** Un cas de tuberculose miliaire congenitale. Acta path. microb. scand., 1933, Suppl. 16, 163–71.—**Jacobson, E.** [Case of congenital miliary tuberculosis] Ugeskr. laeger, 1936, **98**: 418–21.—**Trillat, Eparvier** [et al.] Tuberculose congénitale consécutive à une granulie. Bull. Soc. obst. gyn. Paris, 1936, **25**: 724–7. Also Nourrisson, 1937, **25**: 168–71.—**Wetterwald, M.** Sur un cas de tuberculose congénitale. Rev. méd. Suisse rom., 1928, **48**: 459–64.

—— Diagnosis.

Craddock, C. G., & Meredith, H. C., jr. Punch liver biopsy in the diagnosis of miliary tuberculosis; report of a case. N. England J. M., 1949, **241**: 527.—**Deelman, H. T.** [Miliary tuberculosis incidentally discovered] Ned. tschr. geneesk., 1930, **74**: pt 2, 5820–7, 3 pl. Also Ann. anat. path., Par., 1931, **8**: 1077–88.—**Even, R.** Diagnostic des miliaires pulmonaires. In: Actual. méd. chir. prat., Par., 1948, **2**: 93–102.—**Heim, P.** [Diagnosis of miliary tuberculosis in children] Orv. hetil., 1927, **71**: 1043.—**Holthusen.** Diagnose und Differentialdiagnose der Miliartuberkulose. Münch. med. Wschr., 1918, **65**: 1062.—**Janbon, M., Cazal, P., & Bertrand, L.** La ponction biopsie du foie dans les tuberculoses miliaires. Presse méd., 1949, **57**: 854–6.—**LaSage, A.** Est-ce la granulie? Union méd. Canada, 1937, **66**: 623–8.

—— Diagnosis, differential.

See also such terms as **Silicosis,** etc.

Kaiser, J. *Das Krankheitsbild der gutartigen disseminierten Lungentuberkulose und seine Abgrenzung von der akuten allgemeinen Miliartuberkulose. 55p. 8° Bonn, 1933.

Bezançon, F., & Braun, P. Granulation tuberculeuse et tubercule miliaire. Rev. tuberc., Par., 1928, 3. ser., **9**: 429–39.—**De Masi, G.** Su di un caso di tubercolosi miliare discreta simulante una melitense. Morgagni, 1932, **74**: 1373–5.—**Fiedeldy Dop, P. H.** Miliaire tuberculose en syndroom van Löffler. Ned. tschr. geneesk., 1949, **93**: 1469.—**Holthusen.** Ueber Früh- und Differentialdiagnose der Miliartuberkulose. Deut. med. Wschr., 1918, **44**: 1151.—**Käding, K.** Zur Differentialdiagnose der Miliartuberkulose mit besonderer Berücksichtigung der Röntgenuntersuchung. Med. Klin., Berl., 1928, **24**: 47–51.—**Lundqvist, J.** [Case of miliary tuberculosis with the clinical aspect of cancer of the stomach] Hygiea, Stockh., 1933, **95**: 530.—**Münchbach, W.** Ein Beitrag zur Differentialdiagnose der Miliartuberkulose. Beitr. Klin. Tuberk., 1928–29, **71**: 166–71.—**Nüssel, K.** Ein Beitrag zur sogenannten pulmonalen Form der akuten allgemeinen tödlichen Miliartuberkulose und ihrer klinischen Differentialdiagnose gegenüber der schweren haematogenen disseminierten Lungentuberkulose im Kleinkindesalter. Ibid., 1932, **79**: 58–64.—**Patrassi, G., & Rizzetto, E.** Aspetti clinici e motivi patogenetici della pseudogranulia siderocalcifica polmonare dei mitralici. Acta med. patav., 1947, **8**: 125–40.—**Peterson, W. E., & Canfield, A.** Miliary tuberculosis vs typhoid fever; case reports. J. Lancet, 1945, **65**: 138.—**Tesseraux, H., & Olmos, R.** Miliare Silikose oder abgeheilte Miliartuberkulose? Beitr. Klin. Tuberk., 1933–34, **84**: 12–21.—**Vajda, L.** Typhus exanthematikust utánzó miliáris gümökór. Orv. hetil., 1943, **87**: 475.

—— Digestive system.

See also subheadings (ulcerative) also **Tuberculosis,** Digestive system.

Henze, H. *Ueber die Pathogenese der Tuberkulose der grossen Mundspeicheldrüsen und insbesondere über deren Verhalten bei allgemeiner Miliartuberkulose [Erlangen] 37p. 8° Ochsenfurt, 1930.

Maillet, Y. *Contribution à l'étude de la tuberculose miliaire de l'oesophage. 60p. 8° Par., 1938.

Becker, F. Isolierte, selbständige Miliartuberkulose der Magenschleimhaut als Ursache schwerer Magenblutungen. Helvet. med. acta, 1937, **4**: 683–5.—**Cameron, C.** Tuberculosis of the mouth; a review, with report of a case of chronic miliary tuberculosis complicated by the condition. Brit. J. Tuberc., 1939, **33**: 157–62, 2 pl.—**Collinson, H., & Stewart, M. J.** Chronic peptic ulcer of the stomach with acute miliary tuberculosis of the gastric mucosa. Brit. J. Surg., 1927–28, **15**: 626–34.—**Day, T. D.** The relation of giant cell formation to caseation in miliary tubercles in the human liver. J. Path. Bact., Cambr., 1934, **38**: 175–8, 2 pl.—**Földi, A.** Histologische Befunde bei Miliartuberkulose der Mundschleimhaut, des Kiefers und der Zähne. Zschr. Stomat., Wien, 1932, **30**: 1087–94, illust.—**Kirch, E.** Ueber die Mitbeteiligung der grossen Mundspeicheldrüsen an der allgemeinen Miliartuberkulose. Zbl. allg. Path., 1930, **48**: 12–7.—**Massias, C., & Nguyen-Dinh-Hao.** Tuberculose ulcérée (deux cas) et tuberculose granulique (un cas) du caecum sans ulcérations sur les anses grêles chez trois phtisiques. Rev. tuberc., Par., 1947, **11**: 869.—**Mir Junco, J. M., Gómez Vila, M., & Valdés, I. T.** Tuberculosis hematógena generalizada a predominio clínico entero-peritoneal. Rev. cubana tuberc., 1945, **9**: 230–6.—**Muniagurria, C.** Pólipo del recto; miliar tuberculosa en un lactante. Rev. med., Rosario, 1926, **1**: 133–9.—**Naegelsbach, F. W.** Ein seltener Fall von blutender Miliartuberkulose des Magens. Deut. Zschr. Chir., 1943, **258**: 113–7.—**Randolph, B. M.** Acute miliary tuberculosis of the liver. Am. Rev. Tuberc., 1930, **22**: 593–7.—**Sachs, H. W.** Die miliare Tuberkulose im Pankreas bei Kindern. Frankf. Zschr. Path., 1937–38, **51**: 63–8.—**Schleussing, H.** Ueber die reaktiven Vorgänge bei der Entstehung des miliaren Lebertuberkels. Beitr. Klin. Tuberk., 1926–27, **65**: 521–66.—**Schmidt, O. E. L.** Unilateral ulceration of the mouth (tuberculosis orificialis?) probably with miliary and ileocecal involvement. Arch. Derm. Syph., Chic., 1947, **55**: 580.—**Wessely, E.** Demonstration eines Kindes wegen Dysphagie infolge miliarer Tuberkulose. Wien. med. Wschr., 1922, **72**: 96.—**Wolf, G. A.,** jr, & **Flory, C. M.** Miliary tuberculosis of the liver. Am. Rev. Tuberc., 1945, **51**: 553–60.

—— Ear.

See also **Tuberculosis,** Ear.

Bondy, G. Mittelohrtuberkulose als Teilerscheinung einer akuten allgemeinen Miliartuberkulose. Wien. med. Wschr., 1933, **83**: 1225.—**Richter, H.** Beiträge zur pathologischen Anatomie des Ohres; über Miliartuberkulose der Felsenbeinspitze bei sekundärer Mittelohrtuberkulose. Arch. Ohr. &c. Heilk., 1936, **141**: 167–76.—**Ziegler, E.** Miliartuberkulose und Mittelohrentzündung. Zschr. Hals &c. Heilk., 1935–36, **39**: 391–414.

—— Endocrine system.

See also **Tuberculosis,** Endocrine system.

Frederiksen, J., & Portman, A. [Case of miliary tuberculosis in adenomatous thyroid gland] Hospitalstidende, 1929, **72**: 1286–93.

—— experimental.

See also **Tuberculosis,** experimental.

De Castro, U. L'alveolite miliarica ematogena sperimentale; contributo all'istogenesi del tubercolo miliare del polmone. Arch. pat., Bologna, 1931–32, **11**: 219–30.—**Foot, N. C.** Studies on endothelial reactions; the endothelium in experimental general miliary tuberculosis in rabbits. J. Exp. M., 1921, **33**: 271–86, pl.—**Jones, O. R., & Platt, W. D.** Miliary tuberculosis caused by intravenous self-injection of tubercle bacilli, treated successfully with streptomycin therapy. Tr. Am. Clin. Clim. Ass. (1948) 1949, **60**: 1–11.—**Macaigne, M., & Nicaud, P.** Granulie expérimentale. Bull. Soc. méd. hôp. Paris, 1930, 3. ser., **46**: 517–24.—**Nasta, M., & Blechmann, M.** Contributions expérimentales au problème de la granulie. Arch. roumain. path. exp., Par., 1930, **3**: 375–426, 2 pl.—**Nicaud, P.** Tuberculose miliaire chronique expérimentale. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 941–6.—**Puder, S.** The dermato-pulmonary reaction; influence of the dermato-pulmonary reaction upon experimental miliary tuberculosis. Am. Rev. Tuberc., 1941, **43**: 709–12.

—— Eye.

See also subheading (Meningitis) also **Tuberculosis,** Eye.

Monbrun, A. A., & Lavat, J. Ophtalmoscopie et dissémination tuberculeuse. cxxxii p. 24cm. Par., 1949.

Forms Suppl. to No. 3, Bull. Soc. opht. France, 1949.

Arezzi, F. Difficoltà della diagnosi in un caso di tubercolosi miliarica a localizzazione prevalentemente oculare. Riforma med., 1936, **52:** 228–31.—**Bendinelli, C.** Contributo allo studio delle forme retinocoroideali tubercolari miliari a tipo discreto. Rass. ital. ottalm., 1932, **1:** 655–62.—**Bergmeister, R.** Ueber primäre und miliare Tuberkulose der Retina. Wien. med. Wschr., 1929, **79:** 1116–9.—**Bile, G.** Le manifestazioni oftalmologiche delle miliari e delle meningiti tubercolari. Diagnosi, Nap., 1948, **4:** 470–3.—**Bollack, J., Hillemand, P., & Laporte, A.** Tuberculose miliaire de la choroïde. Bull. Soc. fr. opht., 1927, **40:** 421–3.—**Bonnet, P.** Tuberculose miliaire de l'iris. Bull. Soc. opht. Paris, 1933, 129; 441. ——— Granulations miliaires de l'iris; valeur séméiologique. Arch. opht., Par., 1939-40, n. sér., **3:** 812. ——— & **Bonamour.** Granulation miliaires de l'iris; valeur séméiologique. Ibid., 1022.—**Bryn, A.** Ein Fall von chronischer Miliartuberkulose. Klin. Mbl. Augenh., 1935, **94:** 643–6.—**De Jaeger, A.** Un cas de tuberculose miliaire de l'iris. Bull. Soc. belge ophth., 1934, No. 69, 31–40.—**Diàcicov, M., Munteanu, V. I., & Gavrilescu, S.** [Two cases of miliary tuberculosis of iris cured by radiotherapy] Cluj. med., 1930, **11:** 496–501.—**Manschot, W. A.** Oogafwijkingen bij miliaire tuberculose en meningitis tuberculosa. Ned. tschr. geneesk., 1949, **93:** 2925–8.—**Morelli, E.** Sull'importanza dell'infezione tubercolare nel determinismo delle affezioni corio-retineali del polo posteriore (corioretinite tubercolare miliare a tipo discreto?) Riv. pat. clin. tuberc., 1931, **5:** 741–57.—**Rodin, F. H., & Dickey, L. B.** Tubercle of the choroid in miliary tuberculosis; case report. California West. M., 1928, **28:** 807–9.—**Santoro, N.** Su due casi non frequenti di coroidite tubercolare cronica miliariforme. Boll. ocul., 1941, **20:** 493–502.—**Stock, W.** Ueber Blutungen in der Retina bei Miliartuberkulose. Tr. Internat. Congr. Med. (1913) 1914, Sect. IX, Ophth., pt 2, 193–6.—**Tooke, F.** Tuberculosis of the choroid associated with generalized miliary tuberculosis. Brit. J. Ophth., 1936, **20:** 23–32.—**Werdenberg, E.** Miliary tuberculosis of the eye. Arch. Ophth., Chic., 1938, **19:** 629.

—— Forensic aspect.

Firket, J. Tuberculose miliaire traumatique; étude pathogénique et médico-légale. Rev. belge sc. méd., 1931, **3:** 533–48. Also Liége méd., 1936, **29:** 1229–49.—**Schnizer, v.** Tod an Miliartuberkulose nicht Folge einer Dienstbeschädigung. Med. Klin., Berl., 1926, **22:** 1807.—**Zollinger, F.** Miliartuberkulose und Trauma. Wien. med. Wschr., 1927, **77:** 1281; 1317.

—— generalized.

See also other subheadings (acute; Pathology) also **Tuberculosis** subheadings (generalized; multiple)

Baker, M. P., Hampton, A. O. [et al.] Miliary tuberculosis, generalized; tuberculous ulceration of duodenum, with perforation; tuberculosis of retroperitoneal lymph nodes. N. England J. M., 1942, **226:** 773–6.—**Nimitz, H. J., & Ritterhoff, R. J.** [Generalized hematogenous tuberculous infection involving lungs, peritoneum, liver, spleen and possibly the kidneys and pericardium] Cincinnati J. M., 1947, **28:** 249–63.—**Nyiri, W.** Fall von allgemeiner Miliartuberkulose. Wien. med. Wschr., 1921, **71:** 1855.—**Rosenthal, S. R.** Generalized miliary tuberculosis. In: Path. Conf. (Jaffé, R. H.) Chic., 1940, 415–7.—**Valle, L. R.** Diseminación hematógena y tuberculosis miliar generalizada. Día méd., B. Air., 1936, **8:** 359.

—— Genitourinary organs.

See also **Tuberculosis** subheadings (genitourinary; Kidney)

Aisner, M. [Generalized miliary tuberculosis arising from tuberculosis of the tubes] Tufts M. J., 1947–48, **15:** 20–4.—**Brass, K.** Akute allgemeine Miliartuberkulose nach Ausschabung eines graviden, tuberkulös erkrankten Uterus (zugleich ein Beitrag zur Pathogenese der Miliartuberkulose) Frankf. Zschr. Path., 1941–42, **56:** 276–84.—**Büngeler, W.** Akute Miliartuberkulose nach Ausschabung bei tuberkulöser Endometritis. Ibid., 1934–35, **47:** 313; 558.—**Cade, R.** Tuberculose généralisée consécutive à un rein tuberculeux exclus. Lyon méd., 1928, **141:** 95–9.—**Genova, A.** Un caso di tubercolosi miliare acuta in seguito a discissione uterina. Riv. ostet. gin., 1926, **8:** 209–12.—**Isii, T., & Hukuda, M.** Rinpa-innō wo tomonatta zokuryū-kekkaku no iti rei [a case of lymph scrotum accompanying miliary tuberculosis] Rinsyo & kenkyu, 1949, **26:** 158–60.—**Levine, V.** Late tuberculous generalization following a gaseous tuberculosis of the left epididymis and seminal vesicles. In: Path. Conf. (Jaffé, R. H.) Chic., 1940, 818–20.—**Lindbom, A.** Miliary tuberculosis after retrograde pyelography; report of a case. Acta radiol., Stockh., 1944, **25:** 219–23.—**Magosi, N.** Hensoku-sei hasyu-zyō zokuryū-kei zinkekkaku ni tuite [über die einseitige disseminierte miliare Form der Nierentuberkulose] Jap. J. Urol., 1940, **29:** 1114–31, incl. 2 pl.—**Möller, W.** Miliartuberkulose nach Sondierung bei tuberkulöser Urethrastriktur. Acta chir. scand., 1933–34, **72:** 507–20.—**Siozawa, M.** Zin-kekkaku syuzyutu-go zensin zokuryū-kekkaku wo zokuhatu-seru iti bōken rei, toku-ni sinzō-kekkaku-kessetu no byōri-sosikigaku-teki syoken [autopsy case in which miliary tuberculosis developed in the entire body after operation on renal tuberculosis] Tohoku igaku zassi, 1941, **29:** 509–15, incl. 2 pl.—**Wiseman, J. R., & Retan, H. W.** Tuberculosis following delivery originating from genital tuberculosis. Arch. Int. M., 1927, **40:** 65–72.

—— Hematology.

See also **Leukosis,** Etiology; **Myelophthisis; Tuberculosis,** Blood picture.

Takamura, R. Zikken-teki zokuryū-kekkakusyō ni okeru kyokusyo narabi-ni zensin-teki hakkekkyū-sei hannō ni tuite [über die lokalen und allgemeinen leukozytären Reaktionen bei der experimentellen Miliartuberkulose] p.373–504. 25cm. Nagasaki, 1938.

In: Nagasaki igakkai zassi, 1938, **16:**

Arneth. Ueber das qualitative Blutbild der Blutplättchen bei der akuten Miliartuberkulose. Klin. Wschr., 1936, **15:** 964–7.—**Bernabó-Silorata, A., & Saita, G.** Ricerche culturali e morfologiche sul midollo sternale nel vivente in casi di tubercolosi miliare diffusa. Lotta tuberc., 1938, **9:** 208–24.—**Ciuffini, P.** Leucocitosi granulocitica con eritropoiesi a tipo macrocitico in corso di tubercolosi miliare acuta. Riforma med., 1939, **55:** 1390–5.—**Fischer, W.** Miliartuberkulose und Leukämie. Beitr. Klin. Tuberk., 1935–36, **87:** 334–8.—**Gardner, F. H., & Mettier, S. R.** Lymphocytic leukemoid reaction of the blood associated with miliary tuberculosis. Blood, Balt., 1949, **4:** 767–75.—**Glass, B., & Goląb, W.** [Acute miliary tuberculosis and clinical value of the leukocytic formula in differential diagnosis] Polska gaz. lek., 1932, **11:** 769–72.—**Gottlieb, H.** Ueber akute, unter dem Bilde schwerer Bluterkrankung verlaufende Miliartuberkulose. Beitr. Klin. Tuberk., 1931, **78:** 36–44.—**Halfer, G.** Sulla formula emo-leucocitaria nella tubercolosi miliare. Clin. pediat., Modena, 1926, **8:** 400–6. ——— Il sangue nella tubercolosi miliare. Gior. med. Alto Adige, 1936, **8:** 465–8.—**Harbitz, F.** Acute atypical miliary tuberculosis, i. e. without macroscopically evident findings, cases showing the clinical picture of lymphatic leucæmia. Acta tuberc. scand., 1936, **10:** 59–65.—**Jensen, O.** Akutt leukemi og miliartuberkulose. Nord. med., 1941, **12:** 3595–8.—**Kriech, H., & Heni, F.** Zusammentreffen von akuter Miliartuberkulose und Panmyelophthise? Klin. Wschr., 1935, **14:** 781–3.—**Lenhartz, H.** Zusammentreffen von akuter Miliartuberkulose und akuter Myeloblastenleukämie? Beitr. Klin. Tuberk., 1932, **79:** 501–7.—**Reggiani, G.** Akute thrombopenische Purpura bei Miliartuberkulose. Schweiz. med. Wschr., 1948, **78:** 371–3.—**Roskott, L.** [Miliary tuberculosis with hypereosinophilia] Geneesk. tschr. Ned. Indië, 1936, **76:** 180–2.—**Roth, O.** Ueber einen bemerkenswerten Blutbefund bei einem Fall von subakuter Miliartuberkulose, ein Beitrag zur Frage der akuten myeloischen Leukämie. Zschr. klin. Med., 1913, **78:** 75–90, pl.—**Scorgie, D. R.** A case of miliary tuberculosis with a blood count simulating splenic anaemia for a considerable period. Proc. Transvaal Mine M. Off. Ass., 1946–47, **26:** 31–3.—**Shapiro, J. E., & Salman, M. I.** O kombinacii leikozov i ostrogo miliarnogo tuberkuleza i o leikemoidnoi reakcii pri tuberkuleznoi infekcii. Ter. arkh., 1949, **21:** No. 4, 45–53.—**Sterner, L. G.** [Case of miliary tuberculosis; myeloleucemoid blood picture] Nord. med., 1939, **2:** 1457–9.

—— Hemoptysis.

Cattenoz, F. *La tuberculose miliaire aiguë posthémoptoïque. 77p. 24cm. Nancy, 1944.

Coutinho, G. Disseminação post-hemoptóica calcificada. Arq. brasil. med. nav., 1941, **2:** 595–614, 4 pl.

—— Immunology.

See also other subheadings (Allergy; Pathogenesis)

Güthert, H. Vergleichende immunbiologische und morphologische Betrachtungen zum Formenkreis der Miliartuberkulose. Aerztl. Wschr., 1948, **3:** 449–54.

—— Incidence.

See also subheading (Cases)

Behn, F. Estadística de granulias del Instituto de anatomia patológica de Concepción. Rev. méd. Chile, 1941, **69:** 192–5.—**Fiessinger, N., Leroux, R., & Fauvet, J.** La fréquence actuelle et les anomalies cliniques des granulies. Bull. Acad. méd., Par., 1941, **125:** 241–4.—**Lemierre, A., & Morin, M.** Sur la fréquence actuelle et les especes cliniques des tuberculoses granuliques. Ibid., 1946, **130:** 701–6.—**Reichle, H. S., & Work, J. L.** Incidence and significance of healed miliary tubercles in the liver, spleen and kidneys. Arch. Path., Chic., 1939, **28:** 331–9.

—— Lung.

See also other subheadings (Radiography; subacute; Treatment: Streptomycin) also **Tuberculosis, pulmonary.**

TSINIKAS, P. N. *Le diagnostic différentiel au point de vue clinique et radiologique de la bronchite capillaire, tuberculose miliaire et lymphangite carcinomateuse pulmonaire. 39p. 8° Genève, 1931.

Bernard, E., Kreis, B. [et al.] Intérêt de la recherche des signes de diffusion au cours des tuberculoses pulmonaires de type miliaire et nodulaire. Bull. Soc. méd. hôp. Paris, 1948, **64:** 1005–11.—**Bondo Gravesen, P.** [Sixty-two cases with miliary symptoms in the lungs] Ugeskr. laeger, 1939, **101:** 1288–91.—**Bourgeois, P.** Les tuberculoses miliaires. In his Tuberc. pulm., Par., 1949, 283–95, illust.—**Bravo Frías, J.** Algunas consideraciones sobre un caso de tuberculosis miliar del pulmón en un niño de cuatro meses. Arch. españ. pediat., 1927, **11:** 449–55, pl.—**Cantagrill.** Granulies pulmonaires et opacités granuleuses. Gaz. hôp., 1937, **110:** 605–13.—**Carpi, U.** Tubercolosi miliare polmonare. Rass. clin. sc., 1938, **16:** 493–8.—**Chopra, B. L.** Afebrile case of acute miliary tuberculosis of both lungs. Ind. M. Gaz., 1946, **81:** 140.—**Clemm, W. N.** Gibt es Schmerzkrisen bei Alveolarphthise? Fortsch. Med., 1924, **42:** 217.—**Diviš, J.** Počátek miliární tuberkulosy předstírající podbráničí hlízu. Prakt. lék., Praha, 1928, **8:** 716.—**Even, R.** Diagnostic des miliaires pulmonaires. Bull. méd., Par., 1948, **62:** 171–4.—**Gloor, W.** Beitrag zur Differentialdiagnose der Miliartuberkulose und der miliaren Karzinosis der Lunge. Schweiz. med. Wschr., 1929, **59:** 151–4.—**Kuznecova, S. M., & Katzman, A. J.** [Disseminated pulmonary tuberculosis in adults] Vest. rentg., 1935, **14:** 104–16.—**Langer, H.** Zur Symptomatologie des prämiliaren Stadiums der kindlichen Tuberkulose. Zschr. Tuberk., 1932, **65:** 293–8.—**Lejmbach, Z.** Przypadek grúzlicy prosówkowej pluc i górnych dróg oddechowych u chłopca 4-letniego. Pediat. polska, 1948, **22:** 124.—**Leproni, F.** Sulla tubercolosi miliare del polmone. Gior. tisiol., 1934, 165–73.—**Lozano Ugena, V.** Granulía pulmonar en el lactante. Arch. españ. pediat., 1929, **13:** 619–21.—**Mourier, P.** Om miliærtuberkulose i lungerne. Ugeskr. laeger, 1948, **110:** 921–8.—**Paraf, J.** La granulie pulmonaire. Progr. méd., Par., 1938, pt 2, 1776–80.—**Sayers, R. R., & Meriwether, F. V.** Miliary lung disease due to unknown cause. Am. J. Roentg., 1932, **27:** 337–51.—**Wely, H. v.** [Miliary tuberculosis of lungs] Ned. tschr. geneesk., 1925, **69:** pt 2, 1113–5.—**Wilkoszewski.** Przypadek gruźlicy prosówkowej płuc. Pediat. polska, 1949, 23: 634.

—— Lung: Complications.

Anspach, W. E. Miliary pulmonary hemorrhages on necropsy roentgenograms of children. Am. J. Roentg., 1933, **30:** 768–73.—**Bernard, E., & Delarue, J.** Tuberculose miliaire subaiguë laryngo-pulmonaire à précession clinique laryngée. Bull. Soc. méd. hôp. Paris, 1945, **61:** 174.—**Blan, P.** Granulie froide associée à des localisations bacillaires extra-pulmonaires. Bull. Soc. méd. mil. fr., 1947, **41:** 44.—**Brand, T. A., & Burkinshaw, J.** Fatal bronchospasmodic crisis complicating miliary tuberculosis of lungs. Brit. M. J., 1949, **2:** 793.—**Gómez, F., & Salas, M.** Tuberculosis generalizada con gran caverna pulmonar, en una niña de seis meses. Bol. méd. Hosp. inf., Méx., 1945, **2:** 223–34.—**Hollmann, W.** Pneumokoniose und Miliartuberkulose. Deut. Tuberk. Bl., 1935, **9:** 68–72.—**Lamy, M., Aussannaire, M.** [et al.] Tuberculose miliaire des poumons compliquée d'emphysème médiastinal et généralisé. Bull. Soc. méd. hôp. Paris, 1948, **64:** 1111–4.—**Llambias, J., Mainini & d'Amato, W.** Tuberculose miliaire et pneumonie catarrhale; abcès froid post- et intracricoïdien; mort par œdème glottique. Ibid., 1928, 3. ser., **52:** 584–92, 4 pl.—**Marias, D. P.** Stenosis of the left primary bronchus following disseminated tuberculous infiltration of the left lung. Clin. Proc., Cape Town, 1946, **5:** 172.—**Stivelman, B. P.** Calcified pulmonary miliary tuberculosis. Am. Rev. Tuberc., 1932, **26:** 437–41.—**Wahed, A. K. M. A., & Yazdani, G.** A case of pleurisy with effusion on left side which ended in miliary tuberculosis of the lungs. Calcutta M. J., 1942, **39:** 219–23.

—— Lung: Pathology.

DELARUE, J. Les formes anatomo-cliniques des granulies pulmonaires; formes miliares de la tuberculose des poumons. 301p. 8° Par., 1930.

ROUFF, M. H. *Tuberculose miliaire pulmonaire et tuberculose externe. 47p. 23½cm. Par., 1939.

Armand-Delille. Primo-infection: stade de généralisation; granulie aiguë. J. méd. Paris, 1926, **45:** 275; 1927, **46:** 652. Also Méd. inf., Par., 1926, **32:** 47–52.—**Barker, L. F.** Pulmonary and general miliary tuberculosis in an infant (possibly antenatal infection; possibly postnatal primary skin inoculation) with comments upon the peculiarities of tuberculous lesions in the nonimmunized. Med. Clin. N. America, 1930, **14:** 207–13.—**Bernard, E., Kreis, B.** [et al.] Sur les confins des tuberculoses pulmonaires miliaires et nodulaires disséminées. Bull. Soc. méd. hôp. Paris, 1948, **64:** 1002–5.—**Bezançon, F., & Braun, P.** Granulation tuberculeuse et tubercule miliaire. Ann. anat. path., Par., 1926, **3:** 957–72.—**Bezançon, F., & Delarue, J.** Les formes histologiques des nodules miliaires des poumons. Ibid., 1930, **7:** 249–89. ——— Granulie et granulation tuberculeuse. Presse méd., 1930, **38:** 369–73.—**Brass, K.** Einseitige miliare Lungentuberkulose. Frankf. Zschr. Path., 1943–44, **58:** 255–62.—**Courcoux, A.** A propos de la granulie. Rev. tuberc., Par., 1930, 3. ser., **11:** 818–25.—**Daddi, G., & Panà, C.** Per una suddivisione patogenetica della tubercolosi miliare polmonare. Clin. nuova, Roma, 1945, **1:** 5–14.—**Damiani, F.** Tubercolosi miliari calcifiche localizzate del polmone. Lotta tuberc., 1941, **12:** 532–46.—**Deelman, H. T.** [Histology of pulmonary tubercles in miliary tuberculosis] Ned. tschr. geneesk., 1927, **71:** 1305–17, 2 pl. ——— [Polymorphism of hematogenous miliary tuberculosis of lungs] Ibid., 1930, **74:** 1584–96, 2 pl.—**Deul, W.** Verlaufsformen der akuten hämatogenen Lungentuberkulose im Kindesalter (miliare Lungenaussaat) Zschr. Kinderh., 1927–28, **45:** 615–34.—**Dufourt, A., & Brun, J.** Sur certaines miliaires pulmonaires précoces ante-allergiques ou à allergie retardée. Rev. tuberc., Par., 1939, 5. ser., **5:** 317–26.—**Edel, H.** Zur Genese der miliaren Lungenstreuung. Beitr. Klin. Tuberk., 1932, **80:** 599–611.—**Even, R.** La forme pleurale de la granulie. J. méd. Paris, 1937, **57:** 37–9.—**Gallone, L.** L'istogenesi dei focolai tubercolari nella granulia polmonare. Arch. Ist. biochim. ital., 1938, **10:** 415–36.—**Gamna, C.** Tubercolosi polmonare evolutiva a forma di complesso primario in adulto, con esito in miliare generalizzata. Minerva med., Tor., 1930, **21:** pt 2, 299–307. ——— Forme miliariche regionali discrete di tubercolosi polmonare. Ibid., 1933, **24:** 121–5.—**Giraud, A.** La granulie et les tuberculoses pulmonaires à foyers micronodulaires disséminés. Rev. gén. clin. thér., 1934, **48:** 801–6.—**González Gil, U.** La aparente localización pulmonar, unilateral, de algunas granulias agudas. Rev. clín. españ., 1948, **30:** 18–25.—**Grethmann, W.** Zur Pathologie der akuten disseminierten Miliartuberkulose der Lungen. Beitr. Klin. Tuberk., 1928–29, **1–55.**—**Huebschmann, P.** Rankesche Stadieneinteilung und Miliartuberkulose. Klin. Wschr., 1928, **7:** 486–90.—**Huguenin, R., & Delarue, J.** Essai pathogénique sur la tuberculose miliaire des poumons. Ann. anat. path., Par., 1930, **7:** 415–38, pl.—**Korteweg, R.** [Various forms of pulmonary tubercles in miliary tuberculosis] Ned. tschr. geneesk., 1927, **71:** 3223–7.—**Kourilsky, R., & Fourestier, M.** Miliaire pulmonaire calcifiée; résistance remarquable à l'infection tuberculeuse chez un enfant de sept ans. Bull. Soc. méd. hôp. Paris, 1947, **63:** 425–31.—**Lelong, M., Delarue, J., & Rossier, A.** La forme granitée diffuse de la lésion pulmonaire initiale de la tuberculose acquise du nouveau-né. Ann. méd., Par., 1946, **47:** 111–7, pl.—**Letulle, M., & Bezançon, F.** La granulation tuberculeuse et le tubercule miliaire des poumons. Presse méd., 1922, **30:** 817–21.—**Macaigne, M., & Nicaud, P.** Les lésions alvéolaires de la granulie expérimentale. Ibid., 1930, **38:** 1732–5.—**Medlar, E. M., Pesquera, G. S., & Ordway, W. H.** A comparison of roentgenograms with the pathology of experimental miliary pulmonary tuberculosis in the rabbit. Am. Rev. Tuberc., 1944, **50:** 1–23, incl. 6 pl.—**Missirliu, V., Crăciun, E. C., & Ursu, A.** Les lésions récentes de la broncho-alvéolite tuberculeuse. Bull. Soc. méd. hôp. Bucarest, 1932, **14:** 579–85.—**Negovsky, N. P.** [Observations on hematogenous, disseminated forms of pulmonary tuberculosis] Probl. tuberk., Moskva, 1937, 104–9.—**Ottaviani, G., & Bötner, V.** Osservazioni anatomo-microscopiche sui vasi linfatici del polmone umano nella tubercolosi miliare e nella pneumonite caseosa. Arch. ital. anat. pat., 1939, **10:** 579–89.—**Pesci, G., & Cassinelli, G.** Contributo allo studio delle forme micronodulari del polmone. Riv. clin. pediat., 1938, **36:** 33–44.—**Piazza, R.** Le lesioni istologiche nelle forme acute, subacute e croniche della tubercolosi miliare del polmone. Rinasc. med., 1929, **6:** 555, pl.—**Pissavy, A.** Les formes granuliques de la tuberculose pulmonaire. Paris méd., 1920, **35:** 19–23.—**Rest, A., Lewins, N., & Riemer, A.** Miliary pulmonary infiltrations. Tuberculology, Denver, 1942–43, **6:** 95–8.—**Riehl.** Miliare Lungentuberkulose mit Dermotropismus nach Impfung mit lebenden Tuberkelbazillen. Klin. Med., Wien., 1947, **2:** 291.—**Rosenberg, W.** Miliartuberkulose nach primärer Pleuritis exsudativa. Beitr. Klin. Tuberk., 1929, **72:** 589–92.—**Valledor Curbelo, R. G.** Granulia aguda a forma bronco-neumónica; caso clínico; breve revisión del capitulo de la granulia. Villaclara méd., S. Clara, 1940, **8:** 171–94.—**Vorobiev, S. I.** [Pathomorphology of hematogenous disseminated pulmonary tuberculosis] Probl. tuberk., Moskva, 1940, No. 10, 55–60.

—— Lung: Prognosis.

See also subheading (Prognosis)

BERKOWITZ, D. *Zum Problem der Heilung miliarer Lungentuberkulose [Jena] 36p. 8° Jena, 1929.

Banyai, A. L. Miliary tuberculosis of the lungs with recovery; report of case. Wisconsin M. J., 1930, **29:** 705–7.—**Beverly, S. S.** Healed miliary pulmonary tuberculosis. Dis. Chest, 1942, **8:** 147–9.—**Borsella, C., & Sambati, S.** Osservazioni su di un caso di tubercolosi miliare acuta pneumonica spontaneamente guarita per riassorbimento con restitutio ad integrum. Ann. radiol. diagn., Bologna, 1946, **18:** 32–42.—**Campbell, E. G.** Healed miliary tuberculosis of the lungs. Memphis M. J., 1926, **3:** 96–8.—**Daddi, G., & Panà, C.** Quadri

terminali della tubercolosi miliare cronica polmonare. Ann. Ist. Carlo Forlanini, 1941, 5: 773–84.—**Ferrari, G., & Facli.** Sopra un caso di tubercolosi polmonare miliare unilaterale guarito. Tubercolosi, Roma, 1933, 25: 317–29.—**Frauendorfer, O.** Ein Fall von gutartiger Miliartuberkulose der Lungen. Röntgenpraxis, 1932, 4: 331–4.—**Frommel, E., & Métral, O.** L'effacement radiologique des images micronodulaires au cours de la guérison de la granulie pulmonaire. Rev. méd. Suisse rom., 1934, 54: 688–98, 4 pl.—**Hegler, C., & Holthusen, H.** Ueber hämatogene, disseminierte (miliare) Lungentuberkulose mit Ausheilung. Röntgenpraxis, 1936, 8: 161–9.—**Jamison, C.** Healed miliary tuberculosis of the lungs, with aneurysm of the arch of the aorta. Med. Clin. N. America, 1926, 9: 1057–62.—**Jeanneret, R., & Siegrist, P.** A propos de la régression de l'image radiologique des lésions micro-nodulaires des poumons. Schweiz. Zschr. Tuberk., 1947, 4: 247–56.—**Marlow, F. W., jr.** Miliary tuberculosis of the lungs with recovery; a report of two cases. Am. Rev. Tuberc., 1929, 19: 529–43.—**Maxwell, J.** Complete recovery from miliary tuberculosis of the lungs. Brit. J. Tuberc., 1936, 30: 228–32.—**Miller, W. S.** The reticulum of the lung; its rôle in the healing of miliary tubercles. Am. Rev. Tuberc., 1926, 13: 360–5.—**Ontaneda, L. E., & Rottjer, E. A.** Sobre la etiología tuberculosa de las bronco-alveolitis micronodulares curadas por resolución. Prensa méd. argent., 1935, 22: 231–5.—**O'Reilly, J. N.** Healed (calcified) miliary tuberculosis of the lungs. Proc. R Soc. M., Lond., 1934, 27: 1333.—**Pask, E. H. A.** Miliary pulmonary tuberculosis with recovery. Tubercle, Lond., 1937–38, 19: 158–65.—**Pilger, W.** Kasuistischer Beitrag über abgeheilte miliare Tuberkulose der Lunge. Röntgenpraxis, 1932, 4: 334–41.—**Press, P.** Sur un cas de régression spontanée d'une tuberculose miliaire des poumons. Rev. méd. Suisse rom., 1948, 68: 703.—**Sachs, W.** Beitrag zur Frage der Heilbarkeit der miliaren Lungentuberkulose. Beitr. Klin. Tuberk., 1930, 74: 309–15.—**Valdés Lambea, J.** La curación por resolución de las granulias pulmonares. Rev. méd. Barcelona, 1933, 19: 229–40.—**Zorzoli, G.** Considerazioni su alcuni casi di miliare ematogena polmonare ad evoluzione regressiva. Clinica, Bologna, 1936, 2: 142–63.

—— Lung: Subacute and chronic type.

See also subheading (subacute and chronic) also such terms as **Granuloma benignum; Miliary lupoid; Reticulosis; Sarcoidosis.**

Corazza, G. Le forme subacute e fredde della tubercolosi miliare del polmone. 30p. 24½cm. Padova, 1937.

Delerot, H. *La tuberculose miliaire chronique ou granulie froide; diagnostic et pathogénie. 48p. 24cm. Par., 1943.

Derichs, H. *Ueber sieben Fälle von gutartiger (chronischer) Miliartuberkulose der Lungen. 28p. 8° Bonn, 1936.

Hautefeuille, E. *Contribution à l'étude de la granulie froide et chronique. 62p. 8° Par., 1926.

Hesse, Y. *La granulie pulmonaire occulte et froide dans la grande enfance. 94p. 8° Par., 1930.

Mercier, J. *Contribution à l'étude de la granulie froide. 55p. 8° Lyon, 1934.

Szajnfeld, S. *Sur la forme froide des granulies pulmonaires. 56p. 24cm. Par., 1939.

Acuña, M., & Bazán, F. Granulia pulmonar de tipo subagudo; contribución clínico. Arch. lat. amer. pediat., B. Air., 1928, 22: 412–22.—**Ameuille, P.** Le problème des granulies froides. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 866–9.—**Angelini, L.** Granulia tubercolare cronica infantile. Pediatria (Riv.) 1939, 47: 47–59.—**Armand-Delille, P., & Boyer, J.** Un cas de granulie froide avec présence de bacilles dans le contenu gastrique, amélioration progressive. Bull. Soc. pédiat. Paris, 1936, 34: 239–45.—**Bernard, E.** Granulie froide et tuberculose fibreuse. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 904–14.—**Bernard, L.** La signification des tuberculeuses miliaires dites granulies froides. Ibid., 946–51.—**Bezançon, F.** La notion de granulie froide et l'interprétation de l'aspect granuleux et trabéculaire. Ibid., 953–7.—**Biernacki, A.** [Tuberculosis miliaris frigida] Polsk. arch. med. wewn., 1936, 14: 262–74.—**Brun, J., Viallier, J., & Chassagnon.** Les tuberculoses miliaires dites froides; difficultés du pronostic et discussion des indications du pneumothorax. Lyon méd., 1946, 175: 259–65. ——— Miliaire tuberculeuse chronique bilatérale avec hippocratisme digital; présence de bacilles de Koch dans le sang. Ibid., 265–7.—**Burnand, R.** Séquelles éloignées d'une granulie froide. Helvet. med. acta, 1944, 11: 131–7.—**Burrell, L. S. T.** Types of pulmonary tuberculosis; a case of sub-acute miliary tuberculosis. Brit. J. Tuberc., 1938, 32: 3 &c.—**Campani, A., & Gaffarelli, T.** Osservazioni clinico-radiologiche sulle vicende morbose in un caso di miliare raffreddata. Minerva med., Tor., 1948, 39: pt 2, 706–10.—**Crespo Alvarez, A.** La granulia fría y crónica. Arch. med., Madr., 1929, 30: 65–70.—**Daddi, G., & Pana, C.** La tubercolosi miliare polmonare subacuta. Ann. Ist. Carlo Forlanini, 1941, 5: 467–84.—**Debré, R., & Lelong, M.** Le granulie froide chez l'enfant (tuberculose pulmonaire ambulatoire à lésions finement nodulaires) Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 922–31.—**Deelman, H. T.** [The lungs in chronic generalized miliary tuberculosis] Ned. tschr. geneesk., 1928, 72: 1878–82, 3 pl.—**Desmeules, R., & Richard, P.** La granulie froide. Laval méd., 1944, 9: 625–32.—**Diamanti, C.** Sulla tubercolosi polmonare ematogena; le miliari croniche e discrete unilaterali nel loro probabile significato allergico. Riv. pat. clin. tuberc., 1936, 10: 589–603, 2 pl.—**Dufourt, A., & Brun, J.** Étude critique du syndrome granulie pulmonaire froide. Presse méd., 1934, 42: 433–5.—**Duken.** Zur Kritik des Begriffes chronische Miliartuberkulose der Lunge bei Kindern. Mschr. Kinderh., 1932, 54: 439–45.—**Dutrey, J.** Algunas consideraciones sobre granulias frías. Prensa méd. argent., 1935, 22: 691–6.—**Ferru & Pérochon.** Granulie froide infantile revue après sept ans. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 932–6.—**Foix, J.** De quelque cas de fausses granulies froides. Rev. tuberc., Par., 1932, 3. ser., 13: 276–85.—**Gallone, L.** Il riscontro anatomo-patologico delle granulie croniche del polmone. Riv. pat. clin. tuberc., 1936, 10: 373–94. ——— Particolari aspetti anatomoistologici della granulia polmonare cronica. Ibid., 1940, 14: 565–81. **Giraud, A.** Contribution à l'étude des granulies chroniques du poumon. Paris méd., 1927, 63: 617–22.—**Held, A.** Die chronische Miliartuberkulose der Lungen und ihre Beziehung zu Rankes Lehre. Fortsch. Röntgenstrahl., 1931, 43: 703–28.—**Huët, G. J.** [Two cases of chronic miliary diffusion of the lungs] Ned. tschr. geneesk., 1927, 71: pt 2, 1893.—**Jochims, J.** Beitrag zur Klinik der chronischen Miliartuberkulose des Kindes. Zschr. Kinderh., 1930, 49: 461–75. ——— Zur Kritik des Begriffes chronische Miliartuberkulose der Lunge bei Kindern. Mschr. Kinderh., 1932, 54: 446–8.—**Kahn, I. S.** Chronic miliary tuberculosis of lungs with resolution. Am. Rev. Tuberc., 1926, 13: 52.—**Lucchesi, M.** Su due casi di tubercolosi miliare polmonare subacuta. Ann. Ist. Carlo Forlanini, 1943, 7: 365–71.—**Marabottini Marabotti, P.** Sulla tubercolosi miliarica cronica del polmone. Riv. clin. med., 1932, 33: 93–106.—**Martí, G.** Dos casos de granulia fría. Ann. Hosp. S. Creu, Barcel., 1934, 8: 25–8, illust.—**Matte, R.** Granulia fría. Rev. chilena pediat., 1942, 13: 56–64.—**Mendoza, R. G., & Meneses Mañas, R.** Un caso de granulia crónica en la infancia. Rev. tuberc., Habana, 1940, 4: 271–86.—**Meyers-Palgen, M. E.** Un cas de tuberculose miliaire chronique des poumons. J. belge radiol., 1930, 19: 41, pl.—**Nario, A.** Dos casos de granulia fría. Rev. méd. lat. amer., B. Air., 1928, 13: 1310–27.—**Nobécourt.** Granulie pulmonaire lente et occulte de la grande enfance. Rev. gen. clin. thér., 1928, 42: 161–8.—**Norsa, G.** Granulia polmonare fredda. Gazz. osp., 1934, 55: 705–7.—**Palacio, J.** El problema de las granulias frías. Rev. As. méd. argent., 1928, 41: 1037–64. Also Crón. méd. mex., 1929, 28: 349–60.—**Patiño Mayer, C., Torino, V., & Pittaluga, E.** A propósito de un caso de granulia fría. Sem. méd., B. Air., 1937, 44: 727–30.—**Pellé, A.** Granulie pulmonaire froide. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 900–4.—**Perishić, V.** Jedan sluchaj TBC miliarnis lentae (granulie froide) Med. podmlad., Beograd, 1949, 1: 315–8.—**Poinso, R., Hawthorn, E., & Fabregue, E.** Tuberculose miliaire à forme de granulie froide chez un enfant de quatre ans. Marseille méd., 1944, 81: 142.—**Ramaglia, M., & Pezza, M.** Le miliari fredde nel ciclo della prima infezione. Arch. tisiol., Nap., 1946, 1: 428–44. ——— Le miliari croniche nella fase del complesso primario. Riforma med., 1946, 60: 489–95.—**Retief, F.** [Chronic calcified miliary tuberculosis] Proc. Transvaal Mine M. Off. Ass., 1947–48, 27: 76.—**Rist, E., & Doubrow, S.** Les épisodes miliaires évolutifs au cours de la tuberculose pulmonaire chronique. Bull. Acad. méd., Par., 1933, 3. ser., 109: 547–51.—**Rist, E., Rolland, J.** [et al.] Quelques cas de granulie froide et de granulie chronique. Bull. Soc. méd. hôp. Paris, 1926, 3. ser., 50: 934–44.—**Roch, M., & Gilbert, R.** Granulie froide. Rev. méd. Suisse rom., 1926, 46: 813–6.—**Schwenk, W.** Zur Kritik des Begriffes chronische Miliartuberkulose der Lunge bei Kindern. Mschr. Kinderh., 1932, 54: 32–47.—**Trémolières, F., & Moussoir, J.** Granulie froide subaiguë à forme toxique. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., 52: 922–7.—**Vallette, A., & Rosenkranz, B.** Contribution à l'étude de la granulie froide, ou tuberculose miliaire chronique chez l'enfant. Rev. fr. pédiat., 1932, 8: 462–82.—**Vallette, A., & Stoerr, E.** A propos de quelques cas de granulie froide, ou tuberculose miliaire chronique chez l'enfant. Bull. Soc. pédiat. Paris, 1936, 34: 417–24.—**Venchierutti, P.** La tubercolosi miliare fredda dei polmoni. Gior. venet. sc. med., 1938, 12: 574–84.—**Waldorp, C. P., Fernández Luna, D., & Repetti, L. P.** Tuberculosis miliar (granular) fría; estudio crítico y anatomo-clínico. Rev. As. méd. argent., 1935, 49: 261–72.—**Zaninoni, G.** Studio sulle tubercolosi miliari dette granulie fredde. Riv. pat. clin. tuberc., 1935, 9: 825–36.

—— Lymphatic system.

Bernard, E., Kreis, B. [et al.] Les adénopathies cervicales des tuberculoses miliaires traitées par la streptomycine et leur forme grave phagédénique. Bull. Soc. méd. hôp. Paris, 1949, 65: 50–6.—**Cemach, A. I.** Tonsillogene Miliartuberkulose. Mschr. Ohrenh. ,Wien, 1937, 71: 156–9.

—— Manifestation.

Almela Guillén, J., & Ricart Formentí, J. Un caso de tuberculosis miliar con fiebre de tipo intermitente y lenta evolución. Med. españ., 1944, **11**: 343–6, illust.—**Docter, Cattell & Compere.** Pain in the neck. Case Rep. Child. Hosp., Chic., 1945, **4**: 449–54.—**Fabbrani, M.** Porpora trombopenica e miliare tubercolare. Arch. ital. pediat., 1943, **10**: 3–30.—**Healy, J. W.** Diabetes insipidus as a manifestation of general miliary tuberculosis. Brit. J. Child. Dis., 1935, **32**: 275–83.—**McCordock, H.** Disseminated miliary tuberculosis with jaundice; an anatomic study. J. Missouri M. Ass., 1929, **26**: 183–7.—**Marshall, C.** An unusual case of visceral crisis. Boston M. & S. J., 1927, **197**: 140–2.—**Ozawa, N.** Seisinsyōgai wo syu-syōzyō to-sita kyū-sei zokuryū-kekkaku no iti rei [case of acute miliary tuberculosis with mental trouble as the chief symptom] Hokuetu igakkai zassi, 1939, **54**: 376.—**Tunbridge, R. E.** A case of miliary tuberculosis with unusual onset. Univ. Leeds M. Soc. Mag., 1932, **2**: 150.—**Vizcarrondo, E., & Mayz Vallenilla, O.** Distrofia grave por tuberculosis miliar generalizada. Arch. venezol. puericult., 1939–40, **2**: 223.

—— Meningitis.

See also subheadings (Treatment: Streptomycin) also **Tuberculosis** subheadings (Brain; Meningitis; Nervous system)

Armand-Delille, P., & Gavois, H. Sur la virulence de deux souches différentes de bacilles tuberculeux isolés respectivement du liquide céphalorachidien et du sang par la méthode de Nègre, Valtis et Van Deinse, dans un cas de tuberculose miliaire avec méningite. C. rend. Soc. biol., 1935, **118**: 1317–9.—**Bernard, E., Kreis, B., & Lotte, A.** Quelle conduite de tenir en présence d'une réaction méningée humorale discrète, en l'absence de signes cliniques, chez les malades atteints de tuberculose miliaire des poumons? Bull. Soc. méd. hôp. Paris, 1949, **65**: 1023–7.—**Béthoux, L.** Granulie pulmonaire subaiguë (granulie froide) terminée par une méningite tuberculeuse. Bull. Soc. pédiat. Paris, 1935, **33**: 513–9.—**Bonnet, P., Bonamour, G.** [et al.] Les manifestations ophtalmologiques des miliaires et des méningites tuberculeuses. J. méd. Lyon, 1948, **29**: 423–36.—**Butler, A. M., Castleman, B., & Kubik, C. S.** Tuberculous meningitis; miliary tuberculosis of lungs, liver, spleen, kidneys and bone marrow; clinico-pathological exercise. N. England J. M., 1945, **232**: 115–7.—**Courville, C. B., & Evans, H. S.** Residual lesions in healed tuberculous meningitis; report of three cases, two with calcification or ossification in quiescent miliary tubercles. Bull. Los Angeles Neur. Soc., 1937, **2**: 125–31.—**Debré, R., Monbrun, A.** [et al.] L'examen ophtalmoscopique dans la méningite tuberculeuse et la tuberculose miliaire de l'enfant. Arch. fr. pédiat., 1948, **5**: 54–9.—**Descos, A.** Granulie méningée chez un adulte. Loire méd., 1905, **24**: 214–20.—**Fiessinger, N.** Granulie apyrétique à syndrome méningé. Rev. gén. clin. thér., 1915, **29**: 583.—**Frantz, E.** Ermittelungen über die Infektionsquelle bei Todesfällen an Meningitis und Miliartuberkulose im Kindesalter. Zschr. Tuberk., 1928–29, **52**: 501–9.—**Gillard, F.** Méningite tuberculeuse au cours d'une granulie; polynucléose rachidienne. Arch. gén. méd., Par., 1906, 1421–3.—**Graovac, B.** Slučaj generalizovane milijarne tuberkuloze, komplikovan meningitisom, lečen streptomicinom i tuberkuloznim alergenom. Voj. san. pregl., 1948, **5**: 219.—**Greenwood, E. S.** Tuberculous meningitis with extensive miliary tuberculosis of the lungs, pericardium, kidneys, adrenals, spleen and liver. Kentucky M. J., 1943, **41**: 199.—**Hofer, I.** Miliartuberkulose und tuberkulöse Meningitis unter dem Bilde einer otogenen Sinusthrombose bei einem Kinde. Mschr. Ohrenh., 1931, **65**: 226–9.—**Hoffmann, H. W.** Meningismus bei Miliartuberkulose. Zschr. Tuberk., 1930–31, **59**: 55–7.—**Kutch, Dolgopol** [et al.] Tuberculous meningitis; miliary tuberculosis. Arch. Pediat., N. Y., 1948, **65**: 46–52.—**Leopold, J. S., & Rothstein, J. L.** Miliary tuberculosis complicated by thrombosis of the posterior cerebral artery and tuberculous meningitis in a child three years of age; autopsy findings. Ibid., 1930, **47**: 77–87.—**Letić-Popović, D.** Generalizovana milijarna tuberkuloza, komplikovana meningitisom, lečena streptomicinom i tuberkuloznim alergenom. Voj. san. pregl., 1948, **5**: 217–9.—**Monbrun & Lavat, J.** Les manifestations ophtalmoscopiques de la granulie et de la méningite tuberculeuse; à propos de 100 cas traités par la streptomycine à l'Hôpital des enfants-malades. Bull. Soc. opht. Paris, 1947, 311–20.—**Nightingale & Dolgopol.** Tuberculous meningitis; pulmonary tuberculosis, miliary. Arch. Pediat., N. Y., 1948, **65**: 42–6.—**Ragins, O. B.** Tuberculous splenomegaly; a case with tuberculous miliary dissemination and tuberculous meningitis. Am. Rev. Tuberc., 1940, **41**: 388–92.—**Ribierre, P., & Parturier, G.** Sur un cas de granulie méningée, avec polynucléose et bacillose abondantes du liquide céphalo-rachidien. Progr. méd., Par., 1908, 3. ser., **23**: 245–8.—**Sawada, S., & Hukusi, K.** Zika kara byōri e; omoigake-nai gappei-syō, nōmaku-en [case of meningitis with unexpected complications (many miliary tubercles in brain and lungs, etc.)] J. Jap. M. Ass., 1950, **24**: 35–8.—**Siegel** [Tuberculous meningitis; generalized miliary tuberculosis. Arch. Pediat., N. Y., 1942, **59**: 335–9.—**Siredey, A., & Tinel, C.** Méningite tuberculeuse avec granulie pulmonaire et pleurale; raie méningitique remplacée par une ligne blanche très prononcée, en rapport avec des altérations des capsules surrénales. Bull. Soc. méd. hôp. Paris, 1907, 3. ser., **24**: 145–9.—**Zhukovsky, V. P., & Russkikh, V. N.** [Tuberculous meningitis and miliary tuberculosis] Sovet. pediat., 1936, No. 5, 91–5.

—— Musculo-skeletal system.

See also **Tuberculosis** subheadings (Muscles) **Tuberculosis, osteoarticular.**

Blattner, R. J., & Chieh Sung. Cystic tuberculosis of the bone in a case of miliary tuberculosis. J. Pediat., S. Louis, 1945, **27**: 579–82.—**Campiglio, A.** Miliare dello scheletro. Chir. org. movim., 1934, **20**: 369–79.—**Fossel, M.** Allgemeine Miliartuberkulose durch Einbruch einer Wirbelkaries in die Aorta. Zbl. allg. Path., 1932–33, **56**: 328–30.—**Gravano, L.** Tuberculosis miliar aguda generalizada con síndrome poliarticular predominante. Día méd., B. Air., 1948, **20**: 2104–8.—**Jacob, P.** Tuberculose diffuse micro-nodulaire régressive, découverte fortuitement chez un malade porteur d'une tuberculose post-traumatique du genou. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., **53**: 1370–2.—**Loubeyre, J., Farkas, E., & Pelicier.** Granulie froide; embols métastatiques; mal de Pott. Algérie méd., 1949, **53**: 167–9.—**Nardone, B.** La tubercolosi miliare dello scheletro. Med. sper., Tor., 1942, **11**: 355–78.—**Schleicher, E. M.** Miliary tuberculosis of the bone marrow. Am. Rev. Tuberc., 1946, **53**: 115–21.—**Sheldon, W.** Tuberculosis of right hip, with chronic miliary infection of lungs. Proc. R. Soc. M., Lond., 1943–44, **37**: 575.—**Tapia, M.** Consideraciones clínicas sobre un caso de granulia tuberculosa complicada con supuración estreptocócica articular. Siglo méd., 1920, **67**: 705.

—— Nervous system.

See also subheadings (Meningitis; Treatment: Streptomycin) also **Tuberculosis,** Nervous system.

Amir, M. [Tubercles in brain in generalized tuberculosis] Ned. tschr. geneesk., 1929, **73**: 1233–9.—**Berner, A.** Anisocorie par tuberculose miliaire du ganglion stellaire droit. Rev. méd. Suisse rom., 1942, **62**: 873–8.—**Boidin & Cantonnet, A.** Tubercule protubérantiel; granulie de la convexité; troubles oculaires; mort subite. Bull. Soc. anat. Paris, 1903, **78**: 361–3.—**Cercicllo, R.** Manifestazioni emorragiche cerebrali sottocorticali in corso di tubercolosi miliare diffusa acuta. Policlinico, 1942, **49**: sez. prat., 1691–702.—**Fattovich, G.** Focolai simmetrici di porpora cerebrale in un caso di tubercolosi miliare. Note psichiat., Pesaro, 1948, **74**: 75–84.—**Feld, M.** Tubercules du cervelet au cours d'une granulie; ablation; guérison. Bull. Soc. méd. hôp. Paris, 1949, **65**: 25–7.—**Germer, K.** [Case of acute miliary tuberculosis with tuberculoma formation and encephalitic changes] Ugeskr. læger, 1931, **93**: 6–9.—**Hinrichs, U.** Ueber einen besonderen Hirnbefund bei Miliartuberkulose. Deut. Zschr. Nervenh., 1931, **117**:–**119**: 202–9.—**Lamy, H., & Cléret, M.** Tubercules latents de la protubérance et du bulbe; hoquet incoercible; méningite granulique terminale. Bull. Soc. méd. hôp. Paris, 1907, 3. ser., **24**: 66–9.—**Roby, J., & Kaiser, A.** General miliary tuberculosis with unusual spinal fluid findings. N. York M. J., 1915, **102**: 713.—**Tanno, M.** Situgo-syō oyobi usoku hen-yō wo tomonaeru kyūsei hanpatusei zokuryū-kekkaku-syō no iti rei [case of acute disseminated miliary tuberculosis accompanying aphasia and carbuncle on the right side] Tohoku igaku zassi, 1948, **38**: 44.—**Weil, S. S.** O porazheniiakh vegetativnoi nervnoi sistemy pri hematogennykh (generalizovannykh) formakh tuberkuleza. Arkh. pat., Moskva, 1947, **9**: 21–32.

—— Pathogenesis.

Bérard, J. *La tuberculose hématogène et les miliaires; évolution, séquelles et récidives. 148p. 25½cm. Lyon, 1938.

Schlesinger, W. *Zur Pathogenese der haematogen disseminierten Tuberkulose; Versuch einer Analyse im Lichte neuerer Forschung. 26p. 8° Basel, 1937.

Valdés Lambea, J. Las granulias; patología general y clínica; los procesos tuberculosos hematógenos. 138p. 23½cm. Barcel., 1936.

Wild, O. *Ueber die Entstehung der Miliartuberculose [Zürich] 30p. 8° Berl., 1897.

Aigner, A. Impfung und Miliartuberkulose. Wien. med. Wschr., 1937, **87**: 441.—**Arias Bellini, M.** Diseminaciones hemáticas. Hoja tisiol., Montev., 1944, **4**: 281–7.—**Baar, K.** Zur Entstehung der Miliartuberkulose. Beitr. Klin. Tuberk., 1937, **90**: 268–75.—**Blasi, A., & Marzo, R.** La posizione delle miliari terminali nel ciclo della tubercolosi post-primaria. Arch. tisiol., Nap., 1946, **1**: 587–608.—**Dergatchev, I. S., & Smuglova, R. A.** [Conditions that hasten the development of miliary tuberculosis in young children] Borba s tuberk., 1933, **11**: 85–90.—**Ferrer, D.** Contribución al conocimiento de la tuberculosis miliar. Ars medica, Barcel., 1928, **4**: 81–8, 3 pl.—**Herxheimer, G.** Zur Frage der Entstehung der akuten allgemeinen Miliartuberkulose. Virchows Arch., 1930, **275**: 448–64.—**Hoffmann, H.** Miliartuberkulose und Konstitution. Mschr. Kinderh., 1939, **79**: 30–8.—**Huebschmann, P.** Miliartuberkulose und Gefässherd. Beitr. Klin. Tuberk., 1936, **88**: 773–5.—**Hukumitu, Y.** Masin wo keiki tosite hassei-sita zokuryū kekkaku-syō no iti bōken rei [autopsy case of miliary tuberculosis after measles] Zika sinryo, 1949, **12**: 64–7.—**Isiwari, M.** Hyakunitizeki ni keihatu-si roentgen-teki ni

kyomi-aru syoni kyusei zokuryu-kekkaku no iti rei [case of acute miliary tuberculosis in a child of 12 after whooping-cough] Sogo igaku, 1948, 5: 81–4.—**Lucarelli, A.** La diffusione miliarica nella tubercolosi extrapolmonare; ricerche clinico-statistiche. Ortop. traumat. app. motore, 1949, 17: 57–67.—**Mancini, S.** Nuovi concetti sulla genesi della tubercolosi miliarica generalizzata. Gior. med. prat., 1929, 11: 103–17. ——— La patogenesi della tubercolosi miliarica generalizzata. Riv. pat. clin. tuberc., 1930, 4: 295–305.—**Mikulowski, V.** Ueber die agonale Miliartuberkulose bei Kindern. Beitr. Klin. Tuberk., 1935–36, 87: 282–90.—**Mínguez Delgado, I.** Contribución al estudio patogénico de la tuberculosis miliar aguda. Medicina, Madr., 1932, 3: 133–51, 6 pl.—**Murguia, D. L.** Consideraciones sôbre un caso de tuberculosis hematógena generalizada precoce. Rev. méd. brasil., 1945, 18: 627–35.—**Nieberle, K.** Vergleichende Pathogenese der akuten Miliartuberkulose beim Menschen und bei Tieren. Berl. tierärztl. Wschr., 1927, 43: 185–8.—**Ornstein, G. G., & Ulmar, D.** Hematogenous and miliary tuberculosis. In: Clin. Tuberc. (Goldberg, B.) 2. ed., Phila., 1939, 2: Sect. G, 3–20. Also 4. ed., 1944, Sect. G, 3–20.—**Pagel.** Ueber Entstehung und Bedeutung der Miliartuberkulose. Fortsch. Med., 1929, 47: 515–8.—**Vaccarezza, R. F., & Paso, J. R.** Complejo bipolar neumonoganglionar por diseminación hemática precoz. An. Cáted. pat. clín. tuberc., B. Air., 1947, 9: 215–27.—**Valdés Lambea.** Los modos de diseminación de las lesiones tuberculosas. Prensa méd. argent., 1933–34, 20: 2031–7.—**Vries, W. M. de** [Causes of acute generalized miliary tuberculosis] Ned. tschr. geneesk., 1930, 74: pt 2, 3746–55, 3 pl.—**Wegelin, C.** Genese der akuten Miliartuberkulose. Schweiz. med. Wschr., 1946, 76: 1297.—**Yasui, H.** Nyuyozi kekkaku to masin, hyakuniti-zeki [tables on statistics of measles and whooping-cough followed by miliary tuberculosis or tuberculous meningitis] Nippon rinsyo kekkaku, 1948, 7: 354–7.

—— Pathology.

See also other subheadings (acute; Cardiovascular system; Lung: Pathology)

Agnetti, G. Considerazioni cliniche ed anatomo-patologiche su di un caso di complesso primario polmonare e tubercolosi miliare generalizzata. Gior. clin. med., 1939, 20: 1179–88.—**Ariel, M. B.** Zur pathologischen Histologie der Miliartuberkulose auf Grund einer Untersuchung der argentophilen Fasern. Beitr. Klin. Tuberk., 1932, 80: 100–19.—**Barasciutti, A., & Tondi, I.** Rilievi sulle disparità fra espressioni cliniche e reperti d'autopsia nella tubercolosi miliare acuta. Clinica, Bologna, 1941, 7: 216–26.—**Büchner, F.** Pathologisch-anatomisches Kolloquium. Deut. Tuberk. Bl., 1934, 8: 128–30.—**Cayer, D., Harrell, G. T.** [et al.] [Tuberculosis, miliary, involving the liver and splcen; tuberculous bronchopneumonia of both lungs with cavitation] North Carolina M. J., 1947, 8: 671–4.—**Desmeules, R.** Granulic aiguë et granulie froide. Bull. Soc. méd. hôp. Québec, 1933, 275–80.—**Duque, F. L. V., Arantes & Schermann, J.** Tuberculose ulcerativa-nodular dos pulmões, com metástases no fígado, rins, baço, gânglios do mesentério, encéfalo e meninges; sessão clínico-patológica. Arq. clín., Rio, 1945, 1: 566–72.—**Falisi, J. V.** A case of limited miliary tuberculosis. Am. Rev. Tuberc., 1926, 13: 211–5.—**Fremont-Smith, M., Robbins, L. L.** [et al.] Miliary tuberculosis of lungs, spine, meninges, larynx and kidneys; clinico-pathological exercises. N. England J. M., 1944, 230: 178–81.—**Giraud, A.** La tuberculosis con focos micronodulares diseminados y el concepto moderno de la granulia. Med. argent., 1933, 12: 14–21.—**Güthert, H., & Hübner, O.** Epitheloidzellige sklerosierende Miliartuberkulose. Virchows Arch., 1944, 313: 182–209.—**Konstam, G.** Healed miliary tuberculosis of liver and spleen; hepatomegaly; splenomegaly. Proc. R. Soc. M., Lond., 1949, 42: 512.—**Martín Carrasco, & Morales Pleguezuelo.** Tuberculosis miliar, hepatosis perilobular, bazo séptico, inflamación del tejido periamigdalino, vegetación en válvula aórtica y nefritis sifilítica maligna en fase subcrónica con marcada tendencia esclerosa. An. Clín. Jiménez Díaz, Madr. (1932–33) 1934, 5: 649–55.—**Oricchio, D.** Le tubercolosi ad elementi miliari. Ann. Ist. Carlo Forlanini, 1948, 11: 66–71.—**Renzo, A.** Classificação da tuberculose miliar. Brasil med., 1936, 50: 661–6.—**Ropes, M., Schulz, M.** [et al.] Miliary tuberculosis; lung, spleen, liver and kidneys; tuberculous peritonitis; chronic ulcerative colitis, idiopathic; rheumatic heart disease, with mitral stenosis; clinicopathological exercises. N. England J. M., 1944, 231: 890–5.—**Rotsteinowa, H.** [Abscess forms of miliary tuberculosis] Przegl. derm., Warsz., 1937, 32: 16–27.—**Roubier, C., Doubrow, S.** [et al.] Essai de classification des tuberculoses miliaires. Paris méd., 1931, 79: 304–7.—**Sartori, E.** Miliare calcificata splenica. Acta paediat. lat., Parma, 1948, 1: 184–91.—**Serafini, U.** Sulla forma miliare e la forma nodulare della tubercolosi ematogena. Ann. Ist. Carlo Forlanini, 1941, 5: 567–74.—**Smith, E.** Miliary tuberculosis. Washington Univ. M. Alumni Q., 1941–42, 5: 103.—**Soria, E.** Rilievi anatomo-clinica in tema di tubercolosi miliare. Arch. ital. anat. pat., 1936, 6: 773–81.—**Steinberg, I. R.** Nódulos miliares. Sem. méd., B. Air., 1934, 41: 701–16.—**Vallette, A., & Rosenkranz, B.** [Study on granulation in miliary tuberculosis in children] Rev. şt. med., Bucur., 1932, 21: 1113–29, 9 pl.

—— Pharynx.

Syn.: Isambert's disease.

Hanaut-Rouvier, C. *La tuberculose miliaire aiguë du pharynx; à propos de trois observations de maladie d'Isambert. 63p. 24cm. Par., 1940.

Ameuille, P. Maladie d'Isambert. Ann. otolar., Par., 1944–45, 168.—**Amsler, R., & Trameçon.** Un cas d'angine tuberculeuse en apparence primitive; maladie d'Isambert. Arch. méd. Angers, 1947, 77–82.—**Bonanno, A. M.** Tubercolosi miliare acuta del faringe con adenite bacillare acutissima. Minerva med., Tor., 1927, 7: 1304–8.—**Castro Lima, O. de.** Algumas notas sôbre a tuberculose miliar faringea. In: Libro de oro M. R. Castex, B. Air., 1938, 2: 231–9, pl.—**Côté, G. L.** La granulie pharyngo-laryngée. Union méd. Canada, 1946, 75: 683–5.—**Di Vestea, D.** Tubercolosi miliare acuta della faringe. Valsalva, 1928, 4: 277–85, 3 pl.—**Escat, E., & Rigaud, P.** La tuberculose miliaire du pharynx; ses formes cliniques. Ann. mal. oreille, 1926, 45: 458–88, 2 pl.—**Fabri, G.** Tubercolosi miliare acuta faringolaringea (forma d'Isambert) Policlinico, 1936, 43: sez. prat., 875–80.—**Griep, W. A.** De ziekte van Isambert; miliaire tuberculose van de pharynx. Ned. tschr. geneesk., 1949, 93: 1706–10.—**Hoche.** Tuberculose primitive de l'amygdale palatine, adénopathie secondaire; granulie; considérations sur la prophylaxie. C. rend. Soc. méd. Nancy, 1901–02, 158–60. Also Rev. méd. est, 1902, 34: 627–9.—**Monteiro, A.** Doença de Izambert. Acta med., Rio, 1941, 7: 280–5.—**Repetto, R. R., & Croce, J. A.** Tuberculosis miliar aguda de la faringe, enfermedad de Isambert. Sem. méd., B. Air., 1940, 47: 157–65.—**Rojas, F. A.** Bacilosis miliar aguda de la faringe de Isambert. Rev. Soc. med. int., B. Air., 1927, 3: 318–21.—**Sillingardi, G.** Un caso di tubercolosi miliare acuta della faringe. Gior. med. Alto Adige, 1930, 2: 399–404.—**Tapié, J., Laporte, J.** [et al.] L'action de la streptomycine dans la maladie d'Isambert. Paris méd., 1949, 39: 123–7.—**Toni, G.** Un caso di tubercolosi miliare acuta del faringe. Pediat. prat. Modena, 1928, 5: 40–2, pl.—**Varvello, V.** La terapia streptomicinica in un caso di malattia di Isambert. Boll. mal. orecchio, 1948, 66: 274–8.—**Videla, C. A., & Peroncini, J.** Granulia tuberculosa a predominio buco-faringolaríngea. Prensa méd. argent., 1934, 21: 1546–9.—**Villata, I.** Contributo allo studio della tubercolosi miliare dell'esofago. Valsalva, 1947, 23: 85–94.—**Zanni, G.** Contributo allo studio della tubercolosi miliare acuta della faringe; due casi di morbo di Isambert. Ibid., 1934, 10: 263–8.

—— Prognosis.

See also subheading (Lung: Prognosis)

Lüdeke, H. G. W. *Beitrag zur Frage der Heilbarkeit der Miliartuberkulose. 30p. 8°. Berl., 1935.

Armand-Delille, P., & Gavois, M. Les granulies atténuées chez l'enfant. Paris méd., 1934, 91: 17–20.—**Borri, G.** Su di un caso di tubercolosi miliare e meningite tubercolare con guarigione clinica radiologica e liquorale. Rass. giuliana med., 1948, n. ser., 4: 479–81.—**Bruin, M. de** [Prognosis of miliary tuberculosis] Ned. tschr. geneesk., 1926, 70: pt 2, 2526–35.—**Bryan, L., & Levitin, J.** Healed miliary tuberculosis. California West. M., 1934, 40: 374.—**Burnand, R.** Guérison d'une granulie froide. Schweiz. med. Wschr., 1944, 74: 511.—**Epstein, I.** Miliary tuberculosis; its present-day prognosis and its incidence in a tuberculosis hospital of the Veterans' Administration. Med. Bull. Veterans Admin., 1943–44, 20: 298–304.—**Hellgren, E. G.** Fall von Miliartuberkulose im Kindesalter, der, mit röntgenologischen Residuen u. a. in der Milz, zu klinischer Heilung kam. Acta paediat., Upps., 1932, 13: 180–94.—**Jacquerod, M.** A propos de granulie; granulie latente; granulie curable? Rev. méd. Suisse rom., 1934, 54: 635–40.—**Kassowitz, K. E.** Healed asymptomatic miliary tuberculosis. J. Pediat., S. Louis, 1945, 26: 56–60.—**Kolozs, E.** [Recovery from miliary tuberculosis] Orv. hetil., 1935, 79: 1100.—**Liebermeister, G.** Ueber gutartig verlaufende Miliartuberkulosen. Verh. Deut. Ges. inn. Med., 1936, 48. Kongr., 208–16. ——— Die Beurteilung gutartig verlaufender Miliartuberkulosen. Aerztl. Sachverst. Ztg, 1936, 42: 241–3.—**Lüdeke, H.** Zur Frage der Abheilung der hämatogenen miliaren Tuberkulosen im Kindesalter. Zschr. Tuberk., 1935–36, 74: 409–26.—**Maendl, H.** Miliartuberkulose der Lungen, der Haut und des Bauchfelles, kombiniert mit multilobulärer Spondylitis, Nebenhoden- und Nierentuberkulose beim Kinde, durch mehrjährige Heilstättenbehandlung fast ausgeheilt. Wien. med. Wschr., 1927, 77: 554.—**Mayoral Gasch, G.** De la tuberculosis miliar y su pronóstico. Pub. Inst. antituberc., Barcel., 1949, 8: 107–17, 2 pl.—**Nonnenbruch.** Geheilte Miliartuberkulose. Beitr. ärztl. Fortbild., 1931, 9: 224–7.—**O'Brien, T. G.** Healed miliary tuberculosis. Irish J. M. Sc., 1943, 6. ser., No. 213, 549.—**Pierson, P. H.** Healed generalized miliary tuberculosis. Am. Rev. Tuberc., 1926, 13: 342–9.—**Rist, E.** Quelques réflexions à propos de deux cas de tuberculose miliaire curable. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., 53: 1265–72.—**Schlapper, K.** Ueber die Heilbarkeit der Miliartuberkulose. Beitr. Klin. Tuberk., 1932, 79: 724–32.—**Ward, H. H.** Healed miliary tuberculosis; five cases. Med. Bull. Veterans Admin., 1936, 13: 88.—**Warembourg, H.** La granulie aiguë curable. Progr. méd., Par., 1937, 241–6.—**Zarfl, M.** Ueber Heilbarkeit der akuten allgemeinen Miliartuberkulose im Säuglingsalter. Beitr. Klin. Tuberk., 1930, 76: 68–78.

—— Radiography.

See also subheading (Lung) also **Tuberculosis,** Radiography.

Ott, A. *Experimenteller Beitrag zur Röntgendiagnose der miliaren Lungentuberkulose [Basel] p.404–13. 8° Lpz., 1930.

Also Fortsch. Röntgenstrahl., 1930, **41:**

Balli, L. Sul quadro radiologico miliarico e miliariforme. Boll. Soc. med. chir. Modena, 1945, **45:** 228–55.—**Battignani, C.** Contributo clinico-radiologico allo studio delle miliari regionali discrete. Atti Accad. fisiocr. Siena, 1939, 11. ser., **7:** Stud. Fac. med. senese, 408–26.—**Belot, J.,** & **Durin.** Deux cas de granulie pulmonaire généralisée invisible à la radioscopie. Bull. Soc. radiol. méd. France, 1928, **16:** 68–70.—**Bernard, E.,** & **Weil, J.** Sur l'aspect radiologique des miliaires. Rev. tuberc., Par., 1944–45, **9:** 194–6.—**Boine, J.** Tuberculose miliaire. J. belge radiol., 1929, **18:** 108, pl.—**Carter, R. A.** Miliary lesions of the lung, roentgenographically considered. California West. M., 1939, **50:** 94–8.—**Cignolini, P.** Aspetti radiologici della tubercolosi miliare polmonare. Gazz. osp., 1926, **47:** 385–8.—**Dazzi, A.** Tubercolosi miliare nell'infanzia dimostrata ai raggi X. Riv. radiol., 1930, **2:** Suppl. No. 1, 72.—**Dufour, H.** Evolution radiographique d'une granulie pulmonaire froide. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., **50:** 898.—**Hernández Miyares, C., Araña Florido, J.,** & **Rodríguez Betancourt, J.** Las granulias en la infancia; estudio clínico-radiográfico de 20 casos. Bol. Soc. cubana pediat., 1943, **15:** 973–1019.—**Kalkoff, K. W.** Die Aufdeckung einer miliaren Tuberkulose durch die Röntgenuntersuchung bei klinisch und biologisch negativen Befunden. Med. Klin., Münch., 1947, **42:** 600.—**Katzman, A. J.** [Roentgenological peculiarities of disseminated forms of pulmonary tuberculosis] Vest. rentg., 1935, **14:** 117–33.—**Maragliano, V.** Alcune considerazioni sulla visibilità roentgenografica delle miliari polmonari. Fortsch. Röntgenstrahl., 1943, **68:** 244–6.—**Mouriquand, C.,** & **Bernheim, M.** Notes sur l'importance de l'examen radiologique dans le diagnostic des pneumopathies du nourrisson; triangle pneumonique; ombre en casque; phase radiographique de la granulie pulmonaire. Gaz. méd. France, 1929, **3:** 185–7. ——— & **Puig.** La phase radiographique de la granulie pulmonaire chez l'enfant. Lyon méd., 1928, **142:** 709–12.—**Naveau.** De la nécessité de l'examen radiographique pour faire le diagnostic de granulie froide. Bull. Soc. radiol. méd. France, 1932, **20:** 451.—**Nicaud, P.** De la difficulté de l'interprétation des images radiologiques micro-nodulaires; sclérose nodulaire du poumon à images radiologiques granuleuses. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., **50:** 936–41.—**Poinso, R., Laval, P.,** & **Desanti, E.** Tuberculose miliaire chez un nourrisson; concordance radio-anatomique parfaite; examen histologique. Marseille méd., 1943, **80:** 573–5.—**Pondé, A.** O problema radiológico da tuberculose miliar. Bahia méd., 1935, **6:** 169–75.—**Renzo, A.** Aspectos radiológicos da tuberculose miliar do pulmão. Hospital, Rio, 1936, **8:** 1229–45.—**Ribadeau-Dumas, L.,** & **Weil, A.** Diagnostic radiologique de la granulie pulmonaire chez le nourrisson. J. physiothér., Par., 1913, **11:** 177–9.—**Satullo, R.** Segni radiologici cardiaci premonitori della tubercolosi miliare; reperti osservati nell'età infantile. Settimana med., 1942, **30:** 124–6.—**Scheidegger, S.** Zur röntgenologischen Differentialdiagnose der Miliartuberkulose. Fortsch. Röntgenstrahl., 1935, **51:** 209–14.—**Sergent, E., Cottenot, P.,** & **Poumeau-Delille, G.** L'interprétation radiologique des images en mailles de filet et la granulie froide. Presse méd., 1934, **42:** 1809–11.—**Sköld, E.** [Roentgen diagnosis of a case resembling miliary tuberculosis; favorable outcome] Hygiea, Stockh., 1935, **97:** 485–91.—**Spektorov, Z. G.** [Value of roentgen examination in miliary tuberculosis] Vopr. tuberk., 1929, **7:** 944–7.—**Steiner, P. E.** The histo-pathological basis for the x-ray diagnoscibility of pulmonary miliary tuberculosis. Tr. Nat. Tuberc. Ass., N. Y., 1937, **33:** 151–3. Also Am. Rev. Tuberc., 1937, **36:** 692–705.—**Stolz, A.** Die Aufdeckung einer miliaren Tuberkulose durch die Röntgenuntersuchung bei klinisch und biologisch negativen Befunden. Med. Klin., Münch., 1947, **42:** 66.—**Uhr, J. S.** Subacute miliary tuberculosis; fatal case in an infant, with roentgenologic evidence of healing. Am. J. Dis. Child., 1930, **40:** 1269–75.—**Venuti, M.** Su l'interpretazione di talune ombre miliariformi. Rinasc. med., 1935, **12:** 396–8, pl.

—— Sepsis.

See also **Typhobacillosis.**

Aráoz Alfaro, G. Septicemia tuberculosa de forma hemorrágica y de evolución anormal. Arch. lat. amer. pediat., B. Air., 1926, 3. ser., **20:** 690–9.—**Campani, A.,** & **Bergolli, F.** Tubercolosi miliari acute e setticemic tubercolari. In: Tisiol. nella prat. med. (Campani) Milano, 1933, 185–224.—**Mendoza h., L.** Septicemia tuberculosa; granulia. In his Paginas clín., S. Salvador, 1942, 59–63.

—— Serous membranes.

See also other subheadings (Meningitis) also **Polyserositis; Tuberculosis,** Serous membranes.

Baylis, A. B. Réactions sérologiques dans un cas de tuberculose des séreuses. Arch. Inst. prophyl., Par., 1931, **3:** 99–102.—**Bhalla, B. I. S.,** & **Bardhan, P. N.** A case of miliary tuberculosis of serous membranes with a non-tuberculous brain abscess. Ind. M. Gaz., 1944, **79:** 476.—**Bory, Azéma** & **Calmet.** Deux cas de tuberculose miliaire calcifiée au niveau des sércuses pleurale et péritonéale. J. radiol. électr., 1946, **27:** 259.—**Bouchez.** Tuberculose péritonéale granulique aiguë. J. sc. méd. Lille, 1913, **36:** pt 2, 274–8.—**Klionsky, E. E.** [Treatment of tuberculous polyserositis] Probl. tuberk., Moskva, 1940, No. 7, 65–7.—**Lifvendahl.** Tuberculous polyserositis; multiple tuberculomata of the brain. In: Path. Conf. (Jaffé, R. H.) Chic., 1940, 50–2.—**Nastasi, A.** Sopra un caso di tubercolosi miliarica del peritonco e delle pleure (osservazioni cliniche) Policlinico, 1928, **35:** sez. prat., 2090–5.—**Pelfort, C.** Peritonitis tuberculosa en un lactante; forma exudativa de comienzo y adhesiva de terminación, granulia terminal. Arch. pediat. Uruguay, 1937, **8:** 577–81.—**Rey, A. J., Massé, R. J.,** & **Vivoli, F.** Poliscrositis; tuberculosis miliar emigratoria de las serosas; tuberculosis caseosa peritoneal encapsulante. Cátedra & clín., B. Air., 1949, 98–102.—**Rougier, J.,** & **Roux, J.** Péritonite tuberculeuse encapsulante; granulie pulmonaire terminale. Lyon méd., 1941, **166:** 814–6.—**Rubinovich, M. O.** [The clinical aspect of tuberculous polyserositis in children and adolescents] Probl. tuberk., Moskva, 1943, No. 3, 25–9.—**Sala, P., Castro, F. de,** & **Izquierdo, M.** Peritonitis aguda tuberculosa, miliar, tratada con estreptomicina. Bol. Inst. pat. méd., Madr., 1948, **3:** 249–53.—**Sovena, E.** Tubercolosi miliarica del peritoneo a sindrome pseudocolecistitica. Boll. Accad. Lancisi., 1932–33, **6:** 270–3.

—— Skin.

See also other subheading (ulcerative) also **Miliary lupoid; Miliary lupus; Miliary tuberculid; Tuberculosis cutis luposa.**

Beintema, K. Occurrence of acute miliary tuberculosis in a lupus patient treated by salt-free diet. Urol. Cut. Rev., 1933, **37:** 97–9.—**Bernard, E., Meyer, J.,** & **Genevrier, R.** Lupus vulgaire et tuberculose miliaire des poumons. Bull. Soc. méd. hôp. Paris, 1945, **61:** 65–9.—**Degos, R., Perrot, R.,** & **Delzant, O.** Tuberculose miliaire cutanée associée à une tuberculose miliaire pulmonaire d'évolution chronique, au cours d'une primo-infection. Bull. Soc. fr. derm. syph., 1939, **46:** 317–9.—**Ehrner, L.** A case of lymphogranulomatosis benigna (Schaumann) complicated by miliary tuberculosis, in a B. C. G. vaccinated patient. Acta tuberc. scand., 1946, **20:** 138–57, 2 pl.—**Frey, U.** Uebergang von Boeck'scher Krankheit in Miliartuberkulose; ein Beitrag zum Problem der atypischen Tuberkulosen. Helvet. med. acta, 1948, **15:** 129–51.—**Gaede, M. S.,** & **Vaughn, J. O.** Miliary tuberculosis with purpura in infancy. Am. J. Dis. Child., 1931, **43:** 869–73.—**Geipel, P.** Die Beteiligung der Haut bei Miliartuberkulose. Virchows Arch., 1932, **286:** 591–603.—**Kalkoff, K. W.** Ueber die Beziehungen zwischen Hauttuberkulose und allgemeiner Miliartuberkulose; zugleich ein Beitrag zur Frage der Impfhauttuberkulose als Behandlungsmethode der Lungentuberkulose nach Kutschera-Aichbergen. Arch. Derm. Syph., Berl., 1940–41, **181:** 770–82. ——— Allgemeine Miliartuberkulose und Lupus vulgaris. Derm. Wschr., 1941, **112:** 305. Also Zbl. Haut Geschlkr., 1941–42, **67:** 120.—**Kuklová-Stůrová.** Chronická miliární tuberkulosa a Schaumannova choroba. Bratisl. lek. listy, 1947, **27:** 802–18.—**Müller, J.,** & **Pedrazzini, A.** Morbus Besnier-Boeck mit Uebergang in Miliartuberkulose. Schweiz. med. Wschr., 1948, **78:** 126–8.—**Pollitzer, R. M., Simmons, J.,** & **Yasser, I.** Generalized miliary tuberculosis with tuberculides; report of case. Arch. Pediat., N. Y., 1942, **59:** 218–22.—**Pruvost, P., Hautefeuille, E.** [et al.] Etude anatomo-clinique d'un cas de maladie de Besnier-Boeck-Schaumann terminé par une tuberculose disséminée. Bull. Soc. méd. hôp. Paris, 1941, **57:** 484–90.

—— Spleen.

See also other subheadings (Digestive system) also **Tuberculosis,** Spleen.

Pürzer, A. *Ueber isolierte, operativ heilbare Miliartuberkulose der Milz. 19p. 8° Münch., 1933.

Cynman, B. Die isolierte selbständige Miliartuberkulose der Milz. Deut. Zschr. Chir., 1930, **226:** 110–24.—**Graberg, E.** Die Lokalisation der miliaren Tuberkelknoten in der Milz beim Menschen. Virchows Arch., 1926, **260:** 287–307.—**Greppi, E.** Splenomegalia tubercolare primitiva con diffusione miliarica terminale. Haematologica Pavia, 1933, **14:** 101–23.—**Hickling, R. A.** Tuberculosis splenomegaly, with miliary tuberculosis of the lungs. Q. J. Med., Oxf., 1938, **7:** 263–9, 2 pl.—**Kellert, E.** Miliary tuberculosis of the spleen with thrombopenic purpura hemorrhagica. J. Am. M. Ass. 1931, **96:** 2193.

—— subacute and chronic.

See also subheading (Lung: Subacute and chronic type)

Hoyle, J. C., & Vaizey, J. M. Chronic miliary tuberculosis. 140p. 8° Lond., 1937.

LECHTUZ, G. *Considérations anatomo-pathologiques sur les granulies tuberculeuses au long cours. 95p. 8° Lyon, 1937.

NEVAL, R. *Contribution à l'étude de la tuberculose miliaire à évolution lente (granulie chronique) chez l'enfant. 62p. 8° Par., 1933.

TSCHÖPE, U. *Ueber heilbare chronische Miliartuberkulose im Kindesalter [München] 37p. 20½cm. Wartha, 1941.

WOLFF, C. *Contribution à l'étude de la tuberculose miliaire chronique épisodique. 71p. 25½cm. Par., 1938.

Abrahams, A. Chronic miliary tuberculosis. Proc. R. Soc. M., Lond., 1941–42, **35:** 12.—**Accorimboni, M.** Forme croniche della tubercolosi miliare. Gior. tisiol., 1933, 35–43.—**Af Ekenstam, H.** Fall av kronisk miliaris. Nord. med. tskr., 1938, **16:** 1927–31.—**Agrikoliansky, B. N.** [Various cold forms of chronic, miliary tuberculosis] Kazan. med. J., 1940, **36:** No. 5, 42–5.—**Arloing, F., Dufourt, A., & Malartre.** A propos de l'anatomie pathologique des tuberculoses miliaires subaiguës et chroniques. Ann. anat. path., Par., 1926, **3:** 984–8.—**Barbieri, D.** Tubercolosi miliare fredda ab initio e cronicamente progressiva. Arch. ital. anat. pat., 1937–38, **8:** 177–99.—**Bernard, E., Lotte, A., & Wolff, C.** Tuberculose miliaire chronique épisodique. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., **54:** 1520–5.—**Bjering, T.** [Splenomegaly due to chronic miliary tuberculosis] Ugeskr. læger, 1927, **89:** 675.—**Buinewitsch, K.** Ein Fall von Tuberculosis miliaris lenta. Deut. med. Wschr., 1938, **64:** 859.—**Burrell, L. S. T.** A case of sub-acute miliary tuberculosis. Brit. J. Tuberc., 1938, **32:** 3.—**Creveld, S. v., & Huët, G. J.** Chronic miliary tuberculosis. Acta med. scand., 1943, **113:** 135–62.—**Elias, G.** Chronische Miliartuberkulose. Mschr. Kinderh., 1931, **49:** 397–401.—**Fish, R. H.** Chronic miliary tuberculosis in children. Arch. Dis. Childh., Lond., 1937, **12:** 1–24.—**Fusiki, T., & Matubara, K.** Sur deux cas de tuberculoses miliaires chroniques. Orient. J. Dis. Inf., Kyoto, 1934, **15:** 1.—**Grenet, H.** Les formes chroniques et curables de la tuberculose miliaire chez l'enfant. In his Conf. clin. méd. inf., Par., 1936, 4. ser., 27–55. ——— **& Isaac-Georges, P.** A propos de trois observations de tuberculose micronodulaire subaiguë ou chronique chez l'enfant. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., **50:** 914–8.—**Hedvall.** Kronisk miliartuberkulos. Lunds läk. säll. förh., 1934–35, 56–70.—**Heinrich, M.** Ein geheilter Fall von chronischer Miliartuberkulose im Säuglingsalter. Arch. Kinderh., 1943, **130:** 186–8.—**Hellberg, S.** Fall av kronisk miliartuberkulos. Nord. med. tskr., 1937, **13:** 277.—**Hoyle, C.** Chronic miliary tuberculosis. J. R. Inst. Pub. Health, 1937–38, **1:** 682–9. Also Brompton Hosp. Rep., Lond., 1938, **7:** 32–9.—**Hutchison, P.** Chronic miliary tuberculosis. Brit. J. Tuberc., 1942, **36:** 177–9, pl.—**Illing, R. B.** The prognosis of chronic miliary tuberculosis in children. Ibid., 1945, **39:** 79–85, 2 pl.—**Lindau, A.** So-called chronic miliary tuberculosis. Acta path. microb. scand., 1936, Suppl. 26, 157–73.—**McPhee, H. R.** Miliary tuberculosis; report of a case of long duration without chemotherapy. Am. Rev. Tuberc., 1950, **61:** 138–44, illust.—**Nava Uriza, E.** Un caso de tuberculosis miliar crónica. Bol. méd. Hosp. inf., Méx., 1947, **4:** 613–8.—**Nonnenbruch, W.** Ueber eine besondere Form von gutartiger chronischer Miliartuberkulose. Deut. med. Wschr., 1931, **57:** 919–21.—**Pabel, W.** Chronic disseminated tuberculosis. Brit. M. J., 1937, **2:** 555.—**Piaggio Garzón, W.** Sobre un caso de granulia a evolución lenta, revistiendo la forma de granulia crónica. Arch. lat. amer. pediat., B. Air., 1926, 3. ser., 104–28.—**Rennebaum, H.** Beitrag zum Verlauf der chronischen Miliartuberkulose im Kindesalter. Beitr. klin. Tuberk., 1932, **80:** 500–6.—**Rogers, W. N.** Chronic miliary tuberculosis. Brit. J. Tuberc., 1947, **41:** 79–84, pl.—**Savshinsky, A. I., Schenkman, D. I.** [et al.] [Chronic miliary tuberculosis in early childhood] In: Vopr. legoch. tuberk. (Medovikov, P. S.) Leningr., 1936, 102–27, 14 pl.—**Sayé, L.** Tuberculosis miliar crónica. Rev. méd. Barcelona, 1936, **25:** 387–423. Also Tubercle, Lond., 1936–37, **18:** 153–60.—**Schlesinger, W.** Zur Pathogenese der chronischen, hämatogen disseminierten Tuberkulose. Schweiz. med. Wschr., 1939, **69:** 196–200.—**Simon, J., & Carrasco, C.** Tuberculosis miliar crónica. Prensa méd., Habana, 1931, **22:** No. 12, 15–23.—**Vaizey, J. M.** Chronic miliary tuberculosis. Proc. R. Soc. M., Lond., 1936–37, **30:** 1208–10.—**Welch, E. J.** Chronic miliary tuberculosis; report of a case. N. England J. M., 1942, **227:** 1025–9.

—— Treatment.

Panchenkov, T. P. (Lympho-hematogenous disseminated tuberculosis) Ter. arkh., 1934, **12:** 307–16, 15 pl.—**Perry, T. L.** Treatment of miliary and meningeal tuberculosis in infants and children. California M., 1950, **72:** 159–63.—**Rodkin, S. V., & Klimenko, P. S.** [Treatment of miliary tuberculosis in young children] Vrach. delo, 1935, **18:** 23–30.—**Ruziczka, O.** Bisherige Erfahrungen. Wien. klin. Wschr., 1948, **60:** 787.

—— Treatment: Chemotherapy.

Lincoln, E. M., Stone, S., & Hoffman, O. R. The treatment of miliary tuberculosis with promizole. Bull. Johns Hopkins Hosp., 1948, **82:** 56–75.—**Milgram, L., Levitt, I., & Unna, M. S.** Promizole treatment of miliary tuberculosis; toxic effects on thyroid gland and maturation. Am. Rev. Tuberc., 1947, **55:** 144–59.

—— Treatment: Miscellaneous methods.

Ghetti, E. Tubercolosi miliare nell'infanzia e vaccinazione terapeutica. Clin. pediat., Mod., 1942, **24:** 387–98.—**Kohl, H., & Seige, G.** Ueber den Wert der Bluttransfusionen in der Behandlung der Miliartuberkulose. Mschr. Kinderh., 1943, **92:** 1–9.—**Pozzi, G., & Rasi, E.** Primi risultati della terapia con vitamina D_2 urto nelle miliari polmonari. Gior. ital. tubcrc., 1947, **1:** 130–4.—**Tapie, J., Laporte, J., & Monnier.** Les indications de la ponction lombaire dans la conduite du traitement des miliaires tuberculeuses. Sem. hôp., Par., 1949, **25:** 1877–81.

—— Treatment: Streptomycin.

DEBRÉ, R., THIEFFRY, S. E. E., & BRISSAUD, H. E. La streptomycine appliquée au traitement de la méningite tuberculeuse et de la tuberculose miliaire chez l'enfant. 203p. 25½cm. Par., 1948.

Anderson, T. Streptomycin in the treatment of miliary tuberculosis. Glasgow M. J., 1949, **30:** 169–75.—**Appelbaum, E., & Halkin, C.** Tuberculous meningitis and miliary tuberculosis arrested with streptomycin. J. Am. M. Ass., 1947, **135:** 153–5.—**Appelmans, M., & de Graeve, A.** Oogletsels optredend bij granulie en tuberculeuse meningitis en hun behandeling met streptomycine. Belg. tschr. geneesk., 1949, **5:** 685–97, pl.—**Aris, P., Chantegreil & Pécastaing.** Granulie pulmonaire et méningite traitées par la streptomycine. Rev. tuberc., Par., 1947, **11:** 847–51.—**Armand-Delille, P.** A propos du traitement streptomycinique des granulies; tuberculose miliaire secondaire par propagation lymphatique et granulie généralisée par effraction vasculaire dans les tuberculoses anciennes. Bull. Acad. nat. méd., Par., 1949, **133:** 146–8.—**Baggenstoss, A. H., Feldman, W. H., & Hinshaw, H. C.** Streptomycin in miliary tuberculosis; its effect on the pathological lesions of generalized miliary tuberculosis in human beings. Am. Rev. Tuberc., 1947, **55:** 54–76.—**Beraud, A.** Streptomycine et tuberculose du jeune enfant. Ouest méd., 1949, **2:** 208–10.—**Bernard, E., Kreis, B.** [et al.] La rechute de la tuberculose miliaire traitée par la streptomycine. Bull. Soc. méd. hôp. Paris, 1949, **65:** 891–9. ——— La tuberculose miliaire des poumons et son traitement par la streptomycine. Sem. hôp., Par., 1949, **25:** 2087–94.—**Bernard, E., & Renault, P.** Note sur l'étude anatomique des tuberculoses miliaires traitées par la streptomycine. Ibid., 2095.—**Bornstein, P. K.** Streptomycin in miliary tuberculosis with tuberculous meningitis; case report with autopsy findings. Q. Bull. Sea View Hosp., N. Y., 1946, **8:** 219–27.—**Bunn, P. A.** Miliary and meningeal tuberculosis treated with streptomycin. J. Clin. Invest., 1947, **26:** 1176. ——— Studies on miliary tuberculosis and tuberculous meningitis. Minutes Streptomycin Conf., 1947, 3. Conf., 95–8. ——— **& Hauser, F. E.** Miliary and meningeal tuberculosis. Ibid., 1949, 7. Conf., 277–89.—**Carstensen, B.** Miliartuberkulos behandlad med p-aminosalicylsyra samt med p-aminosalicylsyra + streptomycin. Nord. med., 1948, **40:** 2039–42.—**Case** (A) history of a child with miliary tuberculosis treated by streptomycin. Nurs. Times, Lond., 1947, **43:** 690.—**Chauviré, E.** Conjonctivite de type allergique au cours d'une miliaire pulmonaire traitée par la streptomycine. Bull. Soc. opht. France, 1949, 397–9.—**Cobley, G., & Goettsch, E.** Streptomycin in the treatment of miliary tuberculosis. J. Pediat., S. Louis, 1947, **31:** 70–4.—**Cocchi, C.** Primi risultati ottenuti nella terapia della tubercolosi miliare ed in alcunc forme di tubercolosi polmonare con streptomicina associata a solfone ed a vitamina A. Riv. clin. pediat., 1947, **45:** 378–80. ——— Il trattamento della meningite tubercolare e della miliare con streptomicina, solfone e vitamina A. Lotta tuberc., 1949, **19:** 287–99.—**Colarizi, A., & Lenzi, M.** Osservazioni cliniche e radiologiche sulla tubercolosi miliarica in rapporto alla terapia streptomicinica. Arch. tisiol., Nap., 1948, **3:** 27–36.—**Courmont, P., Sédallian, P.** [et al.] Pronostic, par la sérologie, des miliaires aiguës tuberculeuses traitées par la streptomycine. Bull. Acad. nat. méd., Par., 1949, **133:** 386–91.—**Craig, R. H.** Miliary tuberculosis treated with streptomycin. Canad. M. Ass. J., 1947, **57:** 289.—**Daddi, G., & Panà, C.** Reperti anatomici di un caso di tubercolosi miliare generalizzata trattato con streptomicina. Ann. Ist. Carlo Forlanini, 1948, **11:** 317–23.—**Di Lollo, F.** Il comportamento della velocità di sedimentazione delle emazie nei tubercolosi miliarici e meningei trattati con streptomicina. Lotta tuberc., 1949, **19:** 326–31.—**Dollfus, M. A.** Fundus lesions in tuberculous meningitis and miliary pulmonary tuberculosis treated with streptomycin (Transl.) Am. J. Ophth., 1949, **32:** 821–4.—**Doret, J. P., & Halberg, J. P.** Tuberculose de la choroide dans un cas de tuberculose miliaire traité par la streptomycine. Schweiz. med. Wschr., 1948, **78:** 696.—**Ferrari, A., & Salvetti, F.** Tubercolosi miliare od ileotifo? discussioni e confronto di due casi controversi trattati con streptomicina. Gior. ital. tuberc., 1949, **3:** 231–5.—**Fontan, Verger & Aussarresses.** Le traitement de la granulie chez l'enfant par la streptomycine. Arch. fr. pédiat., 1949, **6:** 219. Also J. méd. Bordeaux, 1949, **126:** 488–90.—**Fouquet, J.** Méningites tuberculeuses et tuberculoses miliaires aiguës traitées par la streptomycine.

Arch. fr. pédiat., 1948, **5**: 418–20. ——— **Heinman, V., & Meyer, B.** Adéno-phlegmon tuberculeux mortel au décours d'une granulie traitée par la streptomycine. Bull. Soc. méd. hôp. Paris, 1949, **65**: 59–63. ——— [et al.] Réflexions sur les méningites survenant au décours des miliaires et des primo-infections traitées par la streptomycine. Ibid., 1264–70.—**Frankowska, J.** Zmiany oczne w gruźliczym zapaleniu opon mózgowordzeniowych i prosówce płuc u dzieci leczonych streptomycyną. Pediat. polska, 1948, **22**: 406.—**Gilg, A.** Ein Streptomycinerfolg bei frischer miliarer Streuung während Schwangerschaft und Puerperium. Schweiz. Zschr. Tuberk., 1949, **6**: 250–4.—**Giraud, G., Cazal, P.** [et al.] Suppurations tuberculeuses torpides après streptomycothérapie. Poumon, 1949, **5**: 421–5.—**Godward, A. C.,** jr. Streptomycin and lipotrophic agents in miliary tuberculosis. Am. Rev. Tuberc., 1947, **55**: 412–7.—**Göbel, F.** Zur Streptomycinbehandlung der tuberkulösen Meningitis und Miliartuberkulose. Deut. Gesundhwes., 1949, **4**: 268.—**Grant, R. L. T.** A case of miliary tuberculosis and tuberculous meningitis treated with streptomycin. Clin. Rep. Adelaide Child. Hosp., 1949, **1**: 225.—**Hauser, F. E.** Miliary and meningeal tuberculosis treated with continuous and intermittent streptomycin regimens. Minutes Streptomycin Conf., 1949, **7**. Conf., 286–9.—**Hooft, C.** Ervaringen met streptomycine bij tuberculeuse meningitis en miliair tuberculose. Belg. tschr. geneesk., 1949, **5**: 67–9.—**Houštěk, J.** Dosavadní výsledky s léčbou streptomycinem u basilární a miliární tbc u dětí. Rozhl. tuberk., 1949, **9**: 141–4.—**Hueber, E.** Streptomycinbehandlung bei Miliartuberkulose. Wien. Zschr. inn. Med., 1948, **29**: 432. Also Wien. med. Wschr., 1949, **99**: 75.—**Janbon, M., Bertrand, L.** [et al.] Streptomycine et miliaires tuberculeuses. Montpellier méd., 1948, **33**:–**34**: 356–61. ——— Granulie pulmonaire et hépato-splénique chez un nourrisson de 2 mois; échec de la streptomycine. Pédiatrie, 1949, **4**: 731–3.—**Johnson, P. B., & Sitkin, R. S.** Miliary tuberculosis; response to streptomycin. South. M. J., 1948, **41**: 678–81.—**Jones, O. R., Platt, W. D., & Amill, L. A.** Miliary tuberculosis caused by intravenous self-injection of tubercle bacilli, treated successfully with streptomycin therapy. Am. Rev. Tuberc., 1949, **60**: 514–9.—**Kalmthout, J. M. v.** Een geval van acute miliaire tuberculose genezen na toediening van streptomycine. Ned. tschr. geneesk., 1949, **93**: 3256–60.—**Kolář, J.** Streptomycin u miliární tuberkulosy. Cas. lék. česk., 1949, **88**: 455.—**Leszynski, H. A.** Streptomycin in miliary tuberculosis and tuberculous meningitis. Harefuah, Tel Aviv, 1948, **34**: 125–7.—**Lichtenstein, A.** Streptomycin vid miliartuberkulos och tuberkulös meningit. Nord. med., 1947, **36**: 2548–53.—**Lincoln, E. M., & Kirmse, T. W.** Streptomycin and promizole in miliary tuberculosis and tuberculous meningitis in children. Lancet, Lond., 1949, **1**: 767–73. ——— Streptomycin-promizole therapy of miliary and meningeal tuberculosis in children. Am. Rev. Tuberc., 1950, **61**: 159–70.—**Llauradó Tomás, F.** Tuberculosis miliar, forma pulmonar; cura con estreptomicina. Rev. españ. pediat., 1949, **5**: 855–65.—**Lombardi, A.** Cronicizzazione di un caso di tubercolosi miliare acuta generalizzata mediante terapia con streptomicina. Minerva med., Tor., 1947, **38**: pt 2, 281–3.—**Lyttle, J. D., Goettsch, E., & Cobley, G.** Streptomycin in the treatment of miliary tuberculosis; report of a case. Am. J. Dis. Child., 1948, **75**: 430–3.—**McDermott, W., Muschenheim, C.** [et al.] Meningitis and generalized hematogenous tuberculosis. In: Streptomycin &c. in Tuberc., N. Y., 1949, 185–229, illust.—**Marks-Zakrzewska.** Dwa przypadki gruźlicy prosówkowej płuc leczone streptomycyną z wynikiem niepomyślnym. Pediat. polska, 1949, **23**: 635.—**Martínez García, P.** La estreptomicina en la tuberculosis miliar infantil. Med. clín., Barcel., 1948, **10**: 345. Also Rev. españ. pediat., 1948, **4**: 601.—**Mattéi, C.** Récidives et accidents après interruption du traitement par streptomycine des tuberculoses pulmonaires miliaires. Bull. Acad. nat. méd., 1947, **131**: 640.—**Meyer, A., Brunel, M., & Massin, M.** Adénopathie cervicale apparue au cours d'un traitement d'une tuberculose miliaire par la streptomycine. Bull. Soc. méd. hôp. Paris, 1949, **65**: 87–90.—**Mezei, P., & Flesch, I.** Kartina glaznogo dna i ee znachenie pri tuberkuleznom meningite i miliarnom tuberkuleze detskogo vozraste, lechennym streptomicinom. Paediat. danub., Budap., 1949, **6**: 121–33.—**Millán V., J.** Recidiva de granulia tratada con estreptomicina. Rev. chilena pediat., 1949, **20**: 77–81.—**Morin.** La streptomycine dans la méningite tuberculeuse et dans la tuberculose miliaire aiguë chez l'adulte. Acta tuberc. belg., 1949, **40**: 67.—**Murano, G., & Melino, C.** Considerazioni sul comportamento del potere lipolitico del plasma in bambini con tubercolosi meningea o miliarica trattati con streptomicina. Pediatria (Riv.) 1948, **56**: 401–19.—**Paraf, J.** Diagnostic et traitement des tuberculoses miliaires pulmonaires. Progr. méd., Par., 1949, **77**: 28–32. ——— **Desbordes, J., & Paraf, M.** L'association streptomycine acide para-amino-salicylique dans le traitement des miliaires et des méningités tuberculeuses. Bull. Soc. méd. hôp. Paris, 1949, **65**: 57.—**Peña Luengo, T.** Tuberculosis miliar aguda tratada con estreptomicina. Medicina, Madr., 1948, **16**: 482–6.—**Rey, J. C., & Natin, I.** Tuberculosis miliar faringolaringopulmonar tratada con estreptomicina; exantema medicamentoso. Sem. méd., B. Air., 1948, **55**: pt 2, 12–5.—**Ricci, G., & D'Agostino, S.** Porpore in corso di tubercolosi miliare e terapia streptomicinica. Clin. nuova, Roma, 1949, **9**: 12–25.—**Robert, P.** Rasche Heilung von tuberkulösen Ulzerationen der Lippen und der Zunge durch Streptomycin in einem Fall von Miliartuberkulose. Dermatologica, Basel, 1949, **98**: 32–4.—**Roch, M., & Doret, J. P.** Un cas de granulie traité par la streptomycine. Rev. méd. Suisse rom., 1948, **68**: 189.—**Rosnowska & Winnicka.** Przypadki tbc miliaris leczone streptomycyną w obrazach radiologicznych. Pediat. polska, 1949, **23**: 645.—**Róża.** Przypadek gruźlicy prosówkowej u dziewczynki w w. 6 lat i 8 miesięcy, leczony streptomycyną. Ibid., 642.—**Ruigómez Iza, L.** Sobre un caso de tuberculosis miliar del pulmón tratada con estreptomicina. Rev. clín. españ., 1949, **33**: 416–8.—**Ruziczka, O.** Streptomycinbehandlung der miliaren Tuberkulose. Wien. klin. Wschr., 1948, **60**: 840–2. Also Klin. Med., Wien, 1949, **4**: 38. ——— Zwischenbericht über Streptomycinbehandlung bei tuberkulöser Hirnhautentzündung und miliarer Lungentuberkulose. Wien. med. Wschr., 1948, **98**: 294–6.—**Sahlgren, E.** Streptomycinbehandlat fall av miliartuberkulos med tuberkulös meningit. Nord. med., 1948, **37**: 498.—**Scheidegger, S., & Staehelin-Schlienger, C.** Einwirkungen der Streptomycinbehandlung auf miliare Tuberkulose und Meningitis tuberculosa. Schweiz. Zschr. Tuberk., 1948, **5**: 352–64.—**Schiff.** Streptomycinbehandlung der Miliartuberkulose. Tuberkulosearzt, 1949, **3**: 160.—**Schoo, A. G.** De behandeling van meningitis tuberculose en miliair tuberculose met streptomycine. Mschr. kindergeneesk., 1948, **16**: 168–76.—**Sédallian, P., Maral, R.** [et al.] Rôle dans le déterminisme des rechutes de miliaires d'un foyer bacillaire résiduel, persistant après le traitement streptomyciné. J. méd. Lyon, 1949, **30**: 585–7.—**Sédallian, P., Moinecourt, J.** [et al.] Les miliaires aiguës tuberculeuses traitées par la streptomycine. Ibid., 1948, **29**: 461–76. ——— Granulie et streptomycine. Lyon méd., 1948, **179**: 283–90.—**Shamaskin, A.** Streptomycin in the treatment of tuberculous meningitis and miliary tuberculosis. Minutes Streptomycin Conf., 1948, 6. Conf., 129–31.—**Shopov, A.** Razseianata belodrobna tuberkuloza i streptomicint. Blgar. klin., 1949, **20**: 336–55.—**Sorribes Santamaría, V.** Tuberculosis miliar y estreptomicina. Rev. clín. españ., 1949, **35**: 120–5.—**Stojalowski, K.** Zmiany anatomopatologiczne u dzieci gruźliczych leczonych streptomycyną. Pediat. polska, 1948, **22**: 375–9.—**Suckling, P. V.** Streptomycin in the treatment of acute miliary tuberculosis with a note on tuberculous meningitis. Sc. Papers M. Ass. S. Africa, 1949, 226–9.—**Svoreň, J.** Prípad miliárnej tuberkulózy liečenej streptomycínom. Bratisl. lek. listy, 1948, **28**: 709–25, 4 pl.—**Sykowski, P., & Lawrence, W.** Streptomycin in ophthalmomiliary tuberculosis. Am. J. Ophth., 1948, **31**: 1629.—**Taylor, F. H., & Snively, G. G.** Miliary tuberculosis treated with streptomycin; report of case with necropsy findings. Am. Rev. Tuberc., 1947, **56**: 438–41.—**Ten Bokkel Huinink, S. A.** Enige opmerkingen over het gebruik van streptomycine, in het bijzonder bij miliaire tuberculose. Ned. tschr. geneesk., 1949, **93**: 2094–8.—**Thompson, J. L.,** jr, **& Wagenheim, H. H.** The use of streptomycin in acute miliary tuberculosis; report of a case. Med. Ann. District of Columbia, 1946, **15**: 265–70.—**Traissac, F. J.** Influence de la streptomycine sur l'évolution des images de granulie pure et des miliaires d'accompagnement au cours de la tuberculose. J. méd. Bordeaux, 1948, **125**: 103–8.—**Van Goidsenhoven.** La streptomycine dans la méningite tuberculeuse et dans la tuberculose miliaire aiguë chez l'adulte. Acta tuberc. belg., 1948, **39**: 337.—**Walker, A. W., Shamaskin, A.** [et al.] Miliary-meningeal tuberculosis; discussion of results. Minutes Streptomycin Conf., 1948, 6. Conf., 123–37.—**Zollinger, H. U.** Die Streptomycin-behandelte Meningitis tuberculosa und Miliartuberkulose. Schweiz. Zschr. Path. Bakt., 1949, **12**: 176–9.

—— Treatment: Streptomycin: Statistics.

DIETRICH, J. *Premiers résultats de l'action de la streptomycine sur la granulie chez l'enfant et chez l'adolescent. 48p. 25cm. Lyon, 1948.

Arlt, H. G. Erfahrungen in der Streptomycin-Behandlung bei Kindern; Miliartuberkulose. Deut. med. Wschr., 1950, **75**: 210–3.—**Auerbach, O., & Bunn, P.** The miliary tuberculosis and the tuberculosis meningitis cases. Minutes Streptomycin Conf., 1947, 4. Conf., 28.—**Bunn, P. A.** One hundred cases of miliary and meningeal tuberculosis treated with streptomycin. Am. J. M. Sc., 1948, **216**: 286–315. ——— Two-year follow up report of patients with miliary and meningeal tuberculosis treated with streptomycin. Ibid., 1950, **219**: 127–32.—**Debré, R., Thieffry, S., & Brissaud, H. E.** Méningite tuberculeuse et tuberculose miliaire aiguë chez l'enfant traitées par la streptomycine; premiers résultats. Presse méd., 1948, **56**: 121.—**Frontali, G.** La granulie et la méningite tuberculeuse traitées par la streptomycine (étude de 85 cas) Ann. paediat., Basel, 1948, **171**: 286–90.—**Giunchi, U.** Sulle variazioni del quadro radiologico polmonare in miliare acuta e subacuta in soggetti trattati con streptomicina. Radiol. med., Tor., 1948, **34**: 93.—**Hirata, Y.** Zokuryū-kekkaku no streptomycin ryōhōtyū mirareta karyū-saihō-gensyō-syō no syōrei ni tuite [cases of agranulocytosis observed during the treatment of miliary tuberculosis with streptomycin] Zika sinryo, 1949, **12**: 354–7.—**Monbrun & Lavat, J.** Les tubercules de Bouchut et les altérations des nerfs optiques dans les miliaires et les méningites tuberculeuses de l'enfant; à propos de 135 cas traités par la streptomycine à la Clinique médicale des enfants, Hôpital des enfants malades, Paris. Rev. otoneur., Par., 1948, **20**: 308–11.—**Tanguy & Quillec.** Nos premiers résultats du traitement par la streptomycine en milieu sanatorial. Bull. Soc. méd. mil. fr., 1949, **43**: 50.—**Van Goidsenhoven.** La streptomycine dans la méningite tbc et dans la tbc miliaire aiguë chez l'adulte; commentaire des résultats personnels. Scalpel, Brux., 1948

101: 1144. ——— & **Stevens, R.** La streptomycine dans le traitement de la méningite tuberculeuse et de la granulie aiguë chez l'adulte et l'adolescent; résultats éloignés. Bruxelles méd., 1949, **29:** 1803–15.—**Walker, W., Bellinger, G. C., & Guild, C. S.** [Results of streptomycin in the treatment of tuberculous meningitis and acute miliary tuberculosis] Minutes Streptomycin Conf., 1948, 5. Conf., 131–5.—**Winnicka, W.** Leczenie gruzliczego zapalenia opon mózgowordzeniowych i prosówki pluc streptomycyna. Pediat. polska, 1948, **22:** 397–405.

—— ulcerative.

Syn.: Tuberculosis ulcerosa miliaris cutis.

See also other subheading (Skin)

Bogoliepov, A. K voprosu o tuberculosis ulcerosa miliaris (tuberculosis cutis orificialis) s opisaniem sluchaia. 17p. 8° Tomsk, 1911.

Bruckner, W. *Zur Epidemiologie und Klinik der Tuberculosis ulcerosa miliaris [Breslau] 35p. 22½cm. Liebau i. Riesengeb., 1936.

Scheunemann, H. *Statistische Untersuchungen an Fällen von Tuberkulosis ulcerosa miliaris [Berlin] 19p. 8° Charlottenb., 1934.

Arndt. Tuberculosis miliaris ulcerosa. Deut. med. Wschr., 1917, **43:** 832.—**Marin, A.** La tuberculose des orifices. Union méd. Canada, 1931, **60:** 35–8.

—— in animals.

See also **Meat inspection,** Diseased or objectionable animals; **Tuberculosis, Bovine.**

Trummlitz, L. E. F. M. *Lassen sich Unterschiede zwischen Aspirationsblutungen und Blutungen, die bei der akuten Miliartuberkulose auftreten, in der Lunge des Rindes schon makroskopisch feststellen? 32p. 21cm. Lpz., 1937.

Cohrs, P. Zur Differentialdiagnose der Miliartuberkulose. Zschr. Fleisch Milchhyg., 1940–41, **51:** 141–3.—**Davies, A. A.** Generalized tuberculosis in a goat. J. Am. Vet. M. Ass., 1947, **110:** 322.—**Drennen, R. E.** Miliary tuberculosis of the lungs in a draught horse. Vet. Rec., Lond., 1927, **7:** 423.—**Miyata, S.** Pathologisch-histologische Studien über die Lungentuberkulose des Kaninchens (Beiträge zur Pathologie der Miliartuberkulose der Lunge) Tr. Jap. Path. Soc., 1931, **21:** 491–3.—**Müller, M.** Die ausgebreitete Tuberkulose als Generalisation im Sinne der Stadienlehre. Deut. Schlachthofztg., 1943, **43:** 197–201.—**Nieberle, K.** Studien zur pathologischen Anatomie und Pathogenese der akuten Miliartuberkulose; Untersuchungen über die Tuberkulose des Schweines. Zschr. Infektkr. Haustiere, 1926, **29:** 265–316, 7 pl.—**Platen, J.** Ein Fall von akuter Miliartuberkulose bei einem Reh. Berl. tierärztl. Wschr., 1939, **55:** 536.—**Pommer, A., & Richter, R.** Generalisierte Miliartuberkulose beim Hunde mit Verkalkungen in der Pleura costalis. Wien. tierärztl. Mschr., 1930, **17:** 679–82.—**Trasbot.** Tuberculisation miliaire. Bull. Soc. centr. méd. vét., Par., 1878, **32:** 125–32.—**Vendeuvre.** Granulie pulmonaire à forme broncho-pneumonique. Rev. path. comp., Par., 1924, **24:** 376.—**Vries, G. de** [Observations on miliary tuberculosis] Tschr. diergeneesk., 1931, **58:** 519–27.

—— in pregnancy and puerperium.

See also other subheading (Genitourinary organs)

Philipp, R. *Ueber die Miliartuberkulose in der Frauenheilkunde. 44p. 22½cm. Zür., 1941.

Bidoire, A. Granulie des poumons chez une accouchée. Bull. Soc. obst. gyn. Paris, 1935, **24:** 37.—**Büngeler.** Demonstration angeborener Tuberkulose beim Neugeborenen und Miliartuberkulose der Mutter im Wochenbett. Med. Klin., Berl., 1949, **44:** 476.—**Falkenfleth, G.** [Miliary tuberculosis and puerperal state] Ugeskr. laeger, 1938, **100:** 37–40.—**Hacke, W.** Miliartuberkulose im Anschluss an Schwangerschaft. Zbl. Gyn., 1947, **69:** 1430–2. ——— Akute Miliartuberkulose mit Meningitis tuberculosa während der Gestation; Plazentartuberkulose. Zschr. Geburtsh., 1948, **129:** 310–38.—**Holtz, F.** [Case of miliary tuberculosis following abortion] Nord. med., 1940, **8:** 2164.—**Lundström, P.** On miliary tuberculosis in association with pregnancy and delivery or abortion. Acta obst. gyn. scand., 1947, **27:** 84–93.—**Paruch, T.** [Miliary tuberculosis in puerperal state] Polska gaz. lek., 1931, **10:** 647.—**Rossi, D.** Le pseudo-infezioni puerperali; granulia acuta e puerperio infetto. Riv. ostet. gin., 1927, **9:** 313–5.—**Sai, Z. S.** Ninsin-san-ka getu ni gappei-seru zokuryū-sei hai-kekkaku no iti rei [pregnant suffering from miliary pulmonary tuberculosis] Mitt. Jap. Ges. Gyn., 1944, **39:** 169–74, incl. pl.—**Schmid.** Miliartuberkulose mit Meningitis tuberculosa bei Schwangerschaft, Geburt und Wochenbett. Geburtsh. & Frauenh., 1948, **8:** 719.—**Schoch, W.** Ueber ursächliche Beziehungen zwischen der akuten Miliartuberkulose und den Gestationsvorgängen. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern, 1924–26, No. 118, 1–5.—**Schoop, A.** Schwangerschaft und Miliartuberkulose. Aerztl. Sachverst. Ztg, 1936, **42:** 243–5.—**Stopczyk, J.** Przypadek gruźlicy prosówkowej po porodzie, leczony odmą opłucną i streptomycyną [case of post-delivery miliary tuberculosis] Gruźlica, 1949, **17:** 63–7.—**Vejlens, G., & Westberg, V.** Seven cases of miliary tuberculosis in puerperium collected over 3 years. Acta obst. gyn. scand., 1943, **24:** 29–44.

MILICE-BONNAFOUS, Hélène Sérieux, 1905–
*Une maison d'aliénés et de correctionnaires au XVIII. siècle; la Charité de Senlis. 336p. ch. 8° Par., Presses univ. France, 1936.

MILICH, Jakob, 1501–59.
For portrait see Collection in Library.

MILICYN, Vladimir Aleksandrovich, 1890–
[**Twenty-five** years of medical, scientific and social work] Fizioterapia, Moskva, 1940, **15:** No. 2, 149, portr.

MILIEU.

See **Environment.**

MILIEU therapy.

See under **Psychotherapy.**

MILIKAN, Jacob [M. D., 1914, Leiden] *Bijdrage tot de kennis van de oxyhaloïden der alkalische aarden. xii, 123p. tab. diagr. 24½cm. Leiden, E. Ijdo, 1914.

MILISCH, Irmtraut, 1913– *Schlagfestigkeits-Untersuchungen an Zinkphosphat-Zementen während ihres Erhärtungsvorganges an der Luft und im Hygrophor bei Körperwärme [Berlin] 24p. 23cm. Charlottenb., K. & R. Hoffmann, 1938.

MILITAERAERZTLICHE Publicationen. Wien, No. 52, 1900–

CONTENTS

No. 52. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1899. Myrdacz, P. 1900.
No. 68. Der Sanitätsdienst bei der englischen Armee im Kriege gegen die Buren. Herz, L. 1902.
No. 72. Taschenbuch für praktische Untersuchungen der wichtigsten Nahrungs- und Genussmittel. Senft, E. 1903.
No. 95. Das Militärsanitätswesen in Schweden und Norwegen. Steiner, J. 1906.
No. 96. Repetitorium des österreichisch-ungarischen Heerwesens im Felde; für Militärärzte. Hahn, F. 1906.
No. 97. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1905. Myrdacz, P. 1906.
No. 99. Epidemiologie der Garnisonen des k. u. k. Heeres in den Jahren 1894–1904. Myrdacz, P. 1906.
No. 103. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1906. Myrdacz, P. 1907.
No. 104. Kriegschirurgische Erfahrungen aus dem russisch-japanischen Kriege. Hoorn, F. 1907.
No. 105. Kriegswaffen und Feldsanitätsdienst. Cron, K. 1907.
No. 107. Die Ohren- und Augenerkrankungen in der k. u. k. österr.-ung. Armee. Richter, M. 1907.
No. 108. Ein applikatorisches Beispiel über Krankentransport zu Wasser. Cron, K. 1907.
No. 116. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1907. Myrdacz, P. 1908.
No. 124. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1908. Myrdacz, P. 1909.
No. 126. Leitfaden des Verfahrens bei Geisteskrankheiten und zweifelhaften Geisteszuständen für Militärärzte. Drastich, B. 1909.
No. 130. Behelf zur Lösung von Aufgaben aus dem taktischen und operativen Sanitätsdienste im Rahmen von Armee, Korps und Division. Hoen, M. v., & Szarewski, M. 1910.
No. 131. Die Armee im Felde. Hoen, M. v., & Szarewski, M. 1910.
No. 132. Behelf zum Studium des Militärsanitätswesens an den k. u. k. Korpsoffiziersschulen. Cron, K. 1910.
No. 133. Die operative und sanitätstaktische Tätigkeit des Armeechefarztes. Hoen, M. v., & Szarewski, M. 1910.
No. 134. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1909. Myrdacz, P. 1910.
No. 135. Anleitung zur Führung eines Marodenhauses. Rösler, K. 1910.
No. 139. Handbuch für k. u. k. Militärärzte; Nachtrag für das Jahr 1910. Myrdacz, P. 1911.

MILITAERLAEGEN. Kbh., v. **1,** 1893–

MILITAER - MEDICINISCHE Zeitschrift [Moskva]
See **Voenno-medicinsky jurnal.** Moskva, &c., v.1, 1930–

MILITAERSANITAET (Die); Zentralblatt des Schweizerischen Militär-Sanitäts-Vereins. Zür., v.**294**, 1942–

MILITARISM.

See in alphabet of military subjects in the following Military Section.

MILITARY dental journal. Wash. &c., v.**1–7**, 1917–24.

Title varies: v.**1**, No. 1–3, 1917, **Bulletin of the Association of Military dental surgeons**; v.**1**, No. 4–v.**3**, No. 4, 1917–19, **Journal of the Association of Military dental surgeons.**

MILITARY fumigation manual.

See **American Cyanamid and Chemical Corporation** [New York, N. Y.] Military fumigation manual. 48p. 17½cm. N. Y., 1943.

MILITARY medical acts. See Военно-санитарно дело.

Sofia, v.**2**, 1947–

MILITARY medical journal [Bangkok]

See **Wittayah sarn saynah ruk.** Bangkok, v.1, 1948–

MILITARY medical manual. iv, 774p. 8° Wash., Nat. Serv. Pub. Co., 1931. Also 2. ed. 686p. illust. Harrisb., Mil. Serv. Pub. Co., 1937. Also 3. ed. 837p. 1940. Also 4. ed. 877p. 1940. Also 5. ed. 1007p. 1942. Also 5. ed., rev. 1018p. 1943. Also 6. ed., 889p. 1945.

MILITARY medicine as a specialty; how can a knowledge of it be promoted in the medical profession in civilian life and in the reserves? [MS of essays for the Sir Henry Wellcome Prize of the Association of Military Surgeons of the United States] 14 MS. [Size varies] Wash., 1933.

[Note: This subject had no winner; a second subject The value of studies in health and sanitation in war planning was won by E. E. Hume]

CONTENTS

No. 2. Moxness, B. A. 19p. 8°
No. 5. Hubbs, R. S. 19 l. 4°
No. 6. Traub, H. W. 28p. 8°
No. 8. Blech, G. M. 22 l. 8°
No. 9. Stalnaker, P. R. 50 l. 8°
No. 12. Hennessy, H. R. 22p. 8°
No. 15. McDiarmid, N. L. 16 l. 4°
No. 16. White, S. J. 30 l. 4°
No. 19. Dietrich, S. E. 27 l. 4°
No. 20. Roddy, J. A. 9 l. 4°
No. 21. Brodkin, H. A. 19 l. 4°
No. 22. Reid, H. S. 10 l. 4°
No. 23. Young, C. 15 l. 4°
No. 25. Dow, W. S. 26 l. 4°

MILITARY ophthalmological meeting.

See **United States. Military ophthalmological meeting** 1945] Proceedings. 173p. 26½cm. Clevel., 1945.

MILITARY SECTION

SUBJECTS

ABATTOIR.

United States War Department. Army Regulations. No. 40–2155. Veterinary antemortem inspections. 3p. 8°. Wash., 1921.

Cerbulescu, C. Pieile tabacite necesare armatei. Rev. san. mil., Bucur., 1936, **35**: 1152–4.—**Ranc, A.** Sur l'emploi des déchets d'abattoirs des armées en campagne. Rev. path. comp., Par., 1917, **17**: 134.—**Salhoff, S.** Mit einem Schlächtereizug im Osten und Westen. Zschr. Fleisch Milchhyg., 1940–41, **51**: 155–7.—**Schmidt & Reiter.** Schlächtereikompanien in Nordafrika. Ibid., 1941–42, **52**: 183–6.—**Schwerdt.** Schlächtereizüge für die Heeresverpflegung. Berl. tierärztl. Wschr., 1940, 282.—**Wagemann, H.** Vom Einsatz einer Schlächterei-Kompanie. Deut. Schlachthofztg, 1944, **44**: 45–7.

ABDOMEN.

See under section headings **Disease; Injury**—by organs; **Wound**—by organs.

ABDOMINAL surgery.

See as subdivision under section heading **Surgical technic.**

ABSENCE without leave.

See also in this section **Discipline; Leave.**

Clark, J. H. Clinical use of the Altus 36 point adjustment test in screening Army A. W. O. L.'s. J. Consult, Psychol., 1948, **12**: 276–9.—**Heine, R. W.** Absence without leave among mentally retarded trainees. J. Clin. Psychol., 1945, **1**: 141–6.

ABYSSYNIA.

See as subdivision under section headings **Wars and campaigns; World War II.**

ACADEMY.

For military and naval academies see section heads **Education; School.**

ACCELERATION [incl. speed]

See also **Dive bombing.**

Acceleration in aircraft. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 5, 9–15.—**Arkhangelsky, A.** [The aviator and speed] Voen. san. delo, 1938, No. 2, 37–42.—**Henschke, U., & Keidel, W. D.** Short duration accelerations. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 54.—**Komendantov, G., & Levashev, V.** Uskorenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 659–69.—**Pertzoff, V. A., & Britton, S. W.** Effects of high acceleratory forces. Fed. Proc., Balt., 1945, **4**: 55.—**Poppen, J. R.** High acceleration of short duration. Mil. Surgeon, 1948, **103**: 30–2.—**Wood, E. H., Lambert, E. H.** [et al.] Effects of acceleration in relation to aviation. Fed. Proc., Balt., 1946, **5**: 327–44.—**Wulff, V. J., & Lovelace, W. R.** Acceleration. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 10–7. ——— Accelerations occurring during flight. Ibid., 16.

—— angular.

MacCorquodale, K. The effects of angular acceleration and centrifugal force on non-visual space orientation during flight; methodology and preliminary results. 21 l. 27cm. Pensacola, Fla., 1946.

Forms Rep. No. 14, Res. Proj. X–148 (Av–4–3) U. S. Naval School Aviat. M.

—— Graybiel, A., & Clark, B. The effects of angular acceleration and centrifugal force on non-visual space orientation during flight; influence of habituation and technique of assuming the turn. 12 l. 27cm. Pensacola, Fla., 1946.

Forms Rep. No. 15, Res. Proj. X–148 (Av–4–3) U. S. Naval School Aviat. M.

Groen, J. J., & Jongkees, L. B. W. The threshold of angular acceleration perception. J. Physiol., Lond., 1948, **107**: 1–7.—**Ruff, S.** Influence of great tangential forces on the human organism. War Med., Chic., 1942, **2**: 534–6 (abstr.)

—— Biological effect.

See also **Fighter; Flight,** Dive.

Jones, B. F., Chapman, F. D. [et al.] The effect of repeated exposure to low atmospheric pressure upon tolerance to positive acceleration in monkeys. 2p. 28cm. Wash., 1943.

Forms Rep. No. 104, Com. Aviat. M. U. S. Nat. Res. Counc.

Ruff, S., & Strughold, H. The effects of acceleration. 83 l. 20½cm. Lond., 1945.

Forms F. P. R. C. No. 422, Gr. Brit. Flying Pers. Res. Com.

Verliac, F. A. *Connaissances actuelles sur l'influence des accélérations en avion sur l'organisme. 53p. 24cm. Par., 1940.

Williams, M. M. D., Baldes, E. J. [et al.] Are the intervertebral disks compressed or displaced during positive acceleration? 4p. 28cm. Wash., 1944.

Forms Rep. No. 255, Com. Aviat. M. U. S. Nat. Res. Counc.

Wood, E. H., Baldes, E. J., & Code, C. F. Changes in the external appearance of the human being during positive acceleration. 5p. 28cm. Wash., 1944.

Forms Rep. No. 391, Com. Aviat. M. U. S. Nat. Res. Counc.

Armstrong, H. G., & Heim, J. W. The effect of acceleration on the living organism. J. Aviat. M., 1938, **9**: 199–215.—**Bauer, L. H.** Effects of high speed. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **1**: 886.—**Bazett, H. C.** Physiological reactions to the stresses imposed by high-speed aircraft. Q. Project Summary Off. Nav. Res., 1948, July, 393.—**Bergeret, P. M.** Effets physiologiques de la vitesse et des accélérations en avion. Rev. Serv. san. mil., Par., 1937, **107**: 301–24. Also Rev. san. mil., B. Air., 1938, **37**: 616–35.—**Bergin, K. G.** Effects of acceleration on man. In his Aviat. Med., Bristol, 1949, 109–15, illust.—**Binet, L., & Bargeton, D.** Etude de la course à vitesse forcée chez le rat; technique et représentation des résultats. C. rend. Soc. biol., 1945, **139**: 255.—**Code, C. F., Wood, E. H.** [et al.] The sequence of physiologic events in man during exposure to positive acceleration. Fed. Proc., Balt., 1945, **4**: 14.—**Dias Campos, F.** Influência das acelerações sôbre o organismo, en aviação. Rev. med. Rio Grande do Sul, 1944–45, **1**: 278–87.—**Diringshofen, H. v.** Ueber die Wirkung hoher Beschleunigungen und Fliehkräfte auf den Menschen. Luftfahrtmed. Abh., 1936–37, **1**: 72–85.—**Gauer, O.** Atmung und Beschleunigung. Ibid., 1938, **2**: 190. ——— Wirkung hoher Fliehkräfte auf den Menschen. Klin. Wschr., 1942, **21**: 847.—**Gómez Gómez, L. A.** Aceleración y desacelcración en aviación, y su influencia en el organismo humano. Med. cir., Bogotá, 1945, **10**: 1–19.—**Gray, G. W.** The physiology of acceleration. In his Science at War, 3. ed., N. Y., 1943, 240–3.—**Green, H. D.** Aviation physiology; acceleration. Clin. Bull. School M. Western Reserve Univ., 1943, **7**: 25–8.—**Gurvich, K., & Miroliubov, V.** [Effect of increased speed during flight on the aviator] Voen. san. delo, 1936, 42–7.—**Lambert, E. H.** Comparison of the physiologic effects of positive acceleration on a human centrifuge and in an airplane. J. Aviat. M., 1949, **20**: 308–35. ——— **Hallenbeck, G. A.** [et al.] The symptoms

which occur in man during exposure to positive acceleration. Fed. Proc., Balt., 1945, 4: 43.—**Lombard, C. F., Roth, H. P., & Drury, D. R.** The influence of radial acceleration, centrifugal force, on respiration in human beings. J. Aviat. M., 1948, 19: 355–64.—**Lovelace, W. R., II, & Gagge, A. P.** Human stresses resulting from high speed flight. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 5–19, illust.—**Łuczak, A.** Działanie przyspieszeń na ustrój czlowieka. Lek. wojsk., 1945, 36: 17–40, pl.—**Poppen, J. R.** The effects of cold and high speed on the flyer. Internat. Clin., 1942, n. ser., 1: 60–7.—**Ranke, O. F.** Beschleunigungswirkung. Luftfahrtmedizin, 1937–38, 2: 243–58.—**Ruff, S.** Ueber den Einfluss hoher Fliehkräfte auf den menschlichen Organismus. Wien. klin. Wschr., 1939, 52: 861–4.—**Shavcov, S. I.** [The effect of acceleration on the organism of aviators] Feldsher, Moskva, 1942, No. 5, 15–8.—**Silvette, H., & Britton, S. W.** Acceleratory effects on renal function. Am. J. Physiol., 1948, 155: 195–202.—**Simmonds, W. J.** Problems of acceleration. Med. J. Australia, 1943, 2: 127–9.—**Sundgren, N.** Accelerationsverkan vid flygning. Tskr. mil. hälsov., 1944, 68: Suppl., 188–201.—**Tisseuil, J.** Essai de synthèse de la réaction d'accélération. Bull. Acad. nat. méd., 1949, 133: 558–62.—**Vohmianin, P.** [Effect of increase of speed in stunt flying] Voen. san. delo, 1938, No. 2, 42–5.—**Wood, E. H., Baldes, E. J., & Code, C. F.** External appearance of human being during positive acceleration. Air Surgeon Bull., 1945, 2: 117.

—— Blackout.

See also subheading (Protection: Clothing)

Hoff, E. C., & Fulton, J. F. Acceleration and black-out (amaurosis fugax) in aviation, from NRC aviation bibliography. 4 l. 28cm. Wash., 1941.

Forms Suppl. 5, Rep. No. 16, Com. Aviat. M. U. S. Nat. Res. Counc.

Andina, F. Ueber Schwarzsehen als Ausdruck von Blutdruckschwankungen bei Sturzflügen. Schweiz. med. Wschr., 1937, 67: 753–6.—**Diringshofen, H. v.** Mattscheibe, schwarzer Vorhang, Wegsein; die Belastungsfähigkeit des Menschen durch Fliehkräfte im Flugzeug. Umschau, 1943, 47: 230–2.—**DuVal, R. A.** A flying accident possibly due to the effect of centrifugal force. J. R. Nav. M. Serv., 1944, 30: 54–6.—**Fortunato, A.** Fisio-patologia della picchiata. Rinasc. med., 1941, 18: 91.—**Lambert, E. H.** The physiologic basis of blackout as it occurs in aviators. Fed. Proc., Balt., 1945, 4: 43.—**Livingston, P. C.** The problem of black out in aviation; amaurosis fugax. Brit. J. Surg., 1938–39, 26: 749–56.—**Mayerson, H. S.** A cardiovascular blackout test. J. Aviat. M., 1944, 15: 304–15.—**Phenomenon** (The) of black-out. Canad. M. Ass. J., 1940, 43: 271–3.—**Phillips, R. B., & Sheard, C.** Amaurosis fugax; effect of centrifugal force in flying. Proc. Mayo Clin., 1939, 14: 612–8.—**Van de Water, M.** Pulling out of fast dives. Chem. Leaflet, 1942–43, 16: No. 10, 19–22.

—— Cardiovascular effect.

See also other subheadings (Blackout; centrifugal; high altitude; negative; Tolerance)

Ham, G. C., & Landis, E. M. Apparatus for the study of changes in the peripheral circulation during acceleration. 8p. 28cm. Wash., 1942.

Forms Rep. No. 48, Com. Aviat. M. U. S. Nat. Res. Counc.

Sturm, R. E., & Wood, E. H. An instantaneously recording cardiotachometer; applicable to the study of heart rate changes in human beings during exposure to acceleration. 11p. 28cm. Wash., 1944.

Forms Rep. No. 371, Com. Aviat. M. U. S. Nat. Res. Counc.

Wilkins, R. W., Driedland, C. K., & Bradley, S. E. Estimations of cardiac and vasomotor reserve, especially in response to strains designed to simulate those of acceleration. 9p. 28cm. Wash., 1943.

Forms Rep. No. 177, Com. Aviat. M. U. S. Nat. Res. Counc.

Akesson, S. Accelerationspåverkan och hjärnans blodförsörjning. Nord. med., 1948, 37: 70–7.—**Britton, S. W.** Comparative effects on the circulatory system of positive and negative accelerations; the Marey law. Am. J. Physiol., 1949, 156: 1–11.—**Diringshofen, H. v.** Die Wirkung von Fliehkräften auf den Blutkreislauf des im Flugzeug sitzenden Menschen. Luftfahrtmedizin, 1941–42, 6: 152–65. Also English summary, Bull. War M., Lond., 1942–43, 3: 350.—**Fischer, U.** Der Kreislauf unter Beschleunigung; Röntgenaufnahmen beim Affen. Luftfahrtmedizin, 1937–38, 2: 1–13.—**Gauer, O., & Wieckert, H.** Das Elektrokardiogramm des Menschen bei Fliehkraftwirkung. Ibid., 1944, 9: 121–30.—**Gauer, O., Henry, J. P.** [et al.] Arterial oxygen saturation and intracardiac pressures during acceleration in relation to cardiac damage. Fed. Proc., Balt., 1949, 8: 54.—**Hamacher, J. M.** Der Kreislauf unter Beschleunigung; Elektrokardiogramm beim Kaninchen. Luftfahrtmedizin, 1940–41, 5: 149–60.—**Knabenhof, V. G., Danzig, L. M., & Simonian, G. I.** [Hemorenal interrelations under the influence of rapid flight] Klin. med., Moskva, 1943, 21: No. 3, 47–50.—**Koenen, R., & Ranke, O. F.** Der Kreislauf unter Beschleunigung; blutige Blutdruckmessung am Hund. Luftfahrtmedizin, 1937–38, 2: 14–26.—**Müller, E. A.** Die Beanspruchung des Kreislaufs bei hohen Beschleunigungen im Flugzeug. Med. Klin., Berl., 1936, 32: 1703–5.—**Nisida, I., & Huzita, K.** Kasokudo no zyunkan ni oyobosu sayō ni kan-suru kenkyū [... upon the circulation of blood] Okayama igakkai zassi, 1947, 59: 13.—**Pertzoff, V. A., & Britton, S. W.** Force and time elements in circulatory changes under acceleration; carotid arterial pressure deficiency areas. Am. J. Physiol., 1948, 152: 492–8.—**Romberg, H. W.** Das anatomische Bild der Blutverteilung bei Beschleunigungswirkung. Luftfahrtmedizin, 1939–40, 4: 192–203.—**Ruff, S.** Ueber das Verhalten von Blutdruck und Pulsfrequenz unter dem Einfluss von Fliehkräften und über Versuche zur Steigerung der Beschleunigungserträglichkeit. Ibid., 1937–38, 2: 259–80. ——— Ueber den Kreislaufkollaps bei grossen Beschleunigungen im Flugzeug. Med. Klin., Berl., 1940, 36: 69–71. Also War Med., Chic., 1942, 2: 370 (Abstr.).—**Sturm, R. E., Wood, E. H., & Lambert, E. H.** Determination of man's blood pressure on the human centrifuge during positive acceleration. Fed. Proc., Balt., 1945, 4: 69.—**Vilela, A. A., Lins Filho, W., & Lobão, A.** Aceleração e sistema venoso; uma nova doença profissional. Rev. méd. aeronáut., Rio, 1949, 1: 9–24.

—— centrifugal.

See also **Centrifugal force.**

Clark, W. G., Gardiner, I. D. R. [et al.] The effect of positive acceleration on fluid loss from blood to tissue spaces in human subjects on the centrifuge. 8p. 28cm. Wash., 1945.

Forms Rep. No. 468, Com. Aviat. M. U. S. Nat. Res. Counc.

Ham, G. C., & Landis, E. M. Objective measurements of circulatory changes in man during acceleration in the centrifuge and in the plane. 7p. 28cm. Wash., 1942.

Forms Rep. No. 67, Com. Aviat. M. U. S. Nat. Res. Counc.

Lambert, E. H. Comparison of the physiologic effects of positive acceleration on subjects in the Mayo centrifuge and in an A–24 airplane. 34p. 28cm. Wash., 1945.

Forms Rep. No. 467, Com. Aviat. M. U. S. Nat. Res. Counc.

Wood, E. H., Lambert, E. H., & Sturm, R. E. Systolic blood pressure in man during exposure to high accelerations of the centrifuge. 9p. 28cm. Wash., 1944.

Forms Rep. No. 338. Com. Aviat. M. U. S. Nat. Res. Counc.

Bergeret, P. M., & Gougerot, L. Les forces centrifuges; effets circulatoires, respiratoires et vestibulaires. Rev. Serv. san. mil., Par., 1939, 111: 251–92. Also War Med., Chic., 1942, 2: 519 (Abstr.).—**Bergin, K. G.** Centrifugal acceleration with subject inverted. In his Aviat. Med., Bristol, 1949, 119.—**Diringshofen, H. v.** Untersuchungen der Erträglichkeitsgrenzen für Zentrifugalkraft im Motorflug. Verh. Deut. Ges. Kreislaufforsch., 1936, 9: 288–90. ——— Untersuchungen im Motorflugzeug zur Bestimmung der Erträglichkeitsgrenzen gegenüber Fliehkräften. Luftfahrtmedizin, 1937–38, 2: 321–32.—**Gauer, O.** Röntgenkinematographische Darstellung der Fliehkraftwirkung. Ibid., 1944, 9: 109–20.—**Ham, G. C.** Effects of centrifugal acceleration on living organism. War Med., Chic., 1943, 3: 30–56.—**Pedrazzini, F.** De la circulation cérébro-spinale particulièrement par rapport aux effets que la force centrifuge exerce sur ce système et sur la circulation générale chez les aviateurs. Presse Méd., 1938, 46: 1164–7.

—— centripetal.

Code, C. F., Wood, E. H. [et al.] The limiting effect of centripetal acceleration on man's ability to move; an appraisal of some of the difficulties which may be encountered when attempting escape from a spinning aircraft. 19p. 28cm. Wash., 1945.

Forms Rep. No. 436, Com. Aviat. M. U. S. Nat. Res. Counc.

—— high altitude.

See also **Altitude; Anoxia.**

Britton, S. W. Acceleration and anoxia. Q. Project Summary Off. Nav. Res., 1948, July, 393–5.—**Diringshofen, H. v.** Increased danger of circulatory collapse due to simultaneous action of altitude and acceleration in airplanes. War Med., Chic., 1942, 2: 373 (Abstr.)—**Fulton, J. F.** Physiology and high altitude flying; with particular reference to air embolism and the effects of acceleration. Science, 1942, 95: 207–12.—**Hannisdahl, B.** Flymedisinske problemer i forbindelse med de økte hastigheter og flyging i store høyter. Norsk tskr. mil. med., 1947, 25–42.—**Herlitzka, A.** El factor humano en los

vuelos a gran altura y velocidad. Resenha clin. cient., S. Paulo, 1945, **14**: 51–8.—**Van Middlesworth, L.** Pulse rate responses to acceleration under reduced barometric pressure. Am. J. Physiol., 1948, **152**: 157–61.—**Webster, A. P.** High altitude-high velocity flying; with special reference to the human factors; outline of important problems. Med. News Lett. Aviat. Suppl., Wash., 1949, **10**: No 2, 1–6.

—— Immersion in fluid.

Stauffer, F. R., Beckman, E. L., & Thorn, J. I. The effect of external fluid pressure during positive acceleration upon the respiratory rate, pulse rate and right intra-auricular pressure of rabbits; high acceleration study in animals. 33 l. 27cm. Pensacola, 1949.

Forms Rep. No. 1, Proj. No. NM 001 048, Res. Rep. U. S. Nav. School Aviat. M.

Code, C. F., Wood, E. H., & Baldes, E. J. Hydrostatic anti-blackout protection; the protection afforded man against the effects of positive acceleration by immersion in water (motion picture) Fed. Proc., Balt., 1945, **4**: 15.—**Greenfield, A. D. M.** Effect of acceleration on cats, with and without water immersion. J. Physiol., Lond., 1945–46, **104**: Proc., 5.

—— Injuries and disease.

Fortunato, A. Alterazioni istologiche nelle glandole a secrezione interna per effetto delle accelerazioni centrifughe. Fol. med., Nap., 1939, **25**: 759–74.—**Garrote Vega, M.** Enfermedad de las aceleraciones de los aviadores. Medicina, Madr., 1942, **10**: 330–7. ——— Aceleropatías. Gac. méd. españ.. 1948, **22**: 132–8.—**Mesolella, V.** Alterazioni istologiche dell'orecchio, del naso, della laringe e della trachea per effetto dell'accelerazione centrifuga; ricerche nelle cavie. Fol. med., Nap., 1940, **26**: 566–82, 10 pl.—**Shaw, R. C.** Ruptured intervertebral disc from positive acceleration. J. Aviat. M., 1948, **19**: 276–8.—**Tavel, F.** v. The importance of the time factor for disturbances due to acceleration during military flight. Schweiz. med. Wschr., 1947, **77**: 611–4.

—— Measurement.

Guillemin, V., jr, & Oestreicher, H. Accelerometer design. 69p. 26½cm. Dayton, 1948.

Forms No. MCREXD–695–79, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Medical aspect.

Borščevsky, I. J. [Effect of flight acceleration on the ear, nose and throat] J. ushn. nosov. gorlov. bolez., 1939, **16**: 201–7.—**Diringshofen, H.** v. Luftfahrtmedizinische Fragen und Aufgaben unter besonderer Berücksichtigung der Beschleunigungswirkungen. Verh. Deut. Ges. inn. Med., 1935, 47. Kongr., 27–39.—**Panov, E. N., & Ivanov** [Sanitary service for rapid flight and high altitude aviation] Voen. san. delo, 1941, No. 8, 83–6.

—— negative.

See also subheading (Cardiovascular effect)

Gamble, J. L., & Shaw, R. S. Pathology in dogs exposed to negative acceleration. 16p. 27cm. Dayton, 1947.

Forms No. TSEAA–695–74B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— [et al.] Venous pressure in the head under negative acceleration. [12]p. 27cm. Dayton, 1948.

Forms No. MCREXD4–695–74D, Memo Rep. U. S. Air Force Aero M. Laborat.

—— Physiological changes during negative acceleration. 20 l. 27cm. Dayton, 1948.

Forms No. MCREXD–695–74L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Kingsley, H. D., & Rushmer, R. F. Effects of abrupt deceleration on the electrocardiogram (lead II) in the cat in the supine position. 20p. 27cm. Randolph Field, Tex., 1946.

Forms Rep. No. 1, Proj. No. 459, U. S. Air Force School Aviat. M.

McDonald, R. K., & Kelley, V. C. The type and degree of injury resulting from abrupt deceleration; the quantitative determination of pulmonary hemorrhage. 11p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 494, U. S. Air Force School Aviat. M.

—— & Kaye, R. The type and degree of injury resulting from abrupt deceleration; the etiology of pulmonary hemorrhage in cats exposed to abrupt deceleration. 18p. 27cm. Randolph Field, 1947.

Forms Rep. No. 2, Proj. No. 494, U. S. Air Force School Aviat. M.

Rushmer, R. F. Internal injury produced by abrupt deceleration of small animals. 14p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 241, U. S. Air Force School Aviat. M.

—— Comparison of experimental injuries resulting from decelerative forces applied to the ventral and dorsal aspects of rabbits during simulated aircraft accidents. 14p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 301, U. S. Air Force School Aviat. M.

—— The changes in pressure in the peritoneal cavity produced by sudden deceleration of experimental animals. 15p. 27cm. Randolph Field, Tex., 1946.

Forms Rep. No. 1, Proj. No. 472 U. S. Air Force School Aviat. M.

Shaw, R. S., & Henry, J. P. The significance of the volume of blood contained in the legs in negative acceleration. 5p. 27cm. Dayton, 1948.

Forms No. MCREXD–695–74J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Britton, S. W., & Pertzoff, V. A. Comparative effects of positive and negative accelerations. Fed. Proc., Balt., 1947, **6**: 82.—**Gamble, J. L.,** jr, **Shaw, R. S.** [et al.] Cerebral dysfunction during negative acceleration. J. Appl. Physiol., 1949–50, **2**: 133–40.—**McDonald, R. K.** The type and degree of injury resulting from abrupt deceleration. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 15.—**Shaw, R. S.** Human tolerance to negative acceleration of short duration. J. Aviat. M., 1948, **19**: 39–44. ——— Negative acceleration. Mil. Surgeon, 1948, **102**: 483–7. ——— **Henry, J. P.** [et al.] Variations in venous pressure under negative acceleration. J. Appl. Physiol., 1948, **1**: 441–7.—**Stapp, J. P.** Problems of human engineering in regard to sudden decelerative forces on man. Mil. Surgeon, 1948, **103**: 99–102.—**Wurzel, E. M.** Concepts concerning effects on man of abrupt decelerations. Sympos. Mil. Physiol., Wash., 1947, 191.

—— Nervous system.

See also subheadings (high altitude; negative) also **Anoxia.**

United States. Air Force. Aero Medical Laboratory [Wright Field, Ohio] Memorandum report No. ENG–49–696–4B: Conferences on acceleration at the Montreal Neurological Institute. 4 l. 28cm. Dayton, 1943.

Buen, V. de. Factores que intervienen en las perturbaciones psico-fisiológicas producidas por el movimiento. Rev. psicol. gen. apl., Madr., 1949, **4**: 55–84.—**Henry, J. P., Gauer, O.** [et al.] Factors determining cerebral oxygen supply during positive acceleration. Fed. Proc., Balt., 1949, **8**: 73.—**Linear** acceleration and non-visual orientation. Bumed News Lett. Aviat. Suppl., Wash., 1947–48, **9**: No. 3, 5.—**Pescador, L.** Study of disturbances in aviators during acrobatic flight; cerebral factor. J. Am. M. Ass., 1943, **121**: 378 (Abstr.)—**Rushmer, R. F., Beckman, E. L., & Lee, D.** Protection of the cerebral circulation by the cerebrospinal fluid under the influence of radial acceleration. Am. J. Physiol., 1947–48, **151**: 355–65.

—— Performance.

Connell, L., Orlansky, J., & Coakley, J. D. The effect of heat upon the performance of men in high speed aircraft; a critical review. 107 l. 28cm. Port Washington, 1948.

Forms No. 151–1–17, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Morehouse, L. E. Muscular performance during positive radial acceleration. Fed. Proc., Balt., 1949, **8**: 175.

—— Protection.

See also subheading (Immersion in fluid)

Britton, S. W., Corey, E. L., & Stewart, G. A. Effects of high acceleratory forces and their alleviation. Am. J. Physiol., 1946, **146**: 33–51.—**Britton, S. W., & French, C. R.** Conditions

modifying resistance to acceleration forces and protection by abdominal pressure. Ibid., 1949, **156**: 137–44. ——— & **Pertzoff, V. A.** Effects of acceleratory forces and their amelioration. Proc. Virginia Acad. Sc., 1945–46, **24**: 94.—**Landis, E. M.** The effects of acceleration and their amelioration. In: Advance. Mil. Med., Bost., 1948, **1**: 232–60, 2 pl.—**Lo Monaco & Vannutelli.** Metodo per prevenire i disturbi provocati dalle accelerazioni in volo. Riv. med. aeronaut., 1948, **11**: 469–72.—**Wood, E. H., & Hallenbeck, G. A.** Voluntary (self protective) maneuvers which can be used to increase man's tolerance to positive acceleration. Fed. Proc., Balt., 1945, **4**: 78.

—— Protection: Clothing and air pressure.

See also section **Clothing**, Air Force.

Davidson, S. Trials of the R. A. F. anti-G suit, modified Q harness and seat back cushions in 2nd T. A. F. 13 l. 22½cm. Lond., 1945.
Forms F. P. R. C. No. 622, Gr. Britain Flying Pers. Res. Com.

Fulton, J. F. Pneumatic and water suits, and other agents designed to counteract acceleration in aircraft. 7 l. 28cm. N. Haven, Conn., 1941.
Forms No. 5, Rep. Yale Aeromed. Res. Unit. Also forms No. 15, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Herrington, L. P., Lamport, H., & Hoff, E. C. Analytic studies of pressure transmission factors in anti-G suits. [4]p. 28cm. Wash., 1942.
Forms Rep. No. 129, Com. Aviat. M. U. S. Nat. Res. Counc.

Lambert, E. H., Wood, E. H. [et al.]. Comparison of protection against the effects of positive acceleration afforded by the standard gradient pressure suit (G. P. S.) and a simplified single pressure suit. 16p. 28cm. Wash., 1944.
Forms Rep. No. 308, Com. Aviat. M. U. S. Nat. Res. Counc.

Lamport, H., & Herrington, L. P. Pressure exerted on the lower extremity by the latest models Berger Single Pressure Anti-G Suit and Pneumatic Lever Anti-G Suit. 6p. 28cm. Wash., 1944.
Forms Rep. No. 294, Com. Aviat. M. U. S. Nat. Res. Counc.

——— & Hoff, E. C. Review of methods of applying air pressure to the extremities for protection against acceleration with measurements of the effective pressures on the skin. 16p. 28cm. Wash., 1944.
Forms Rep. No. 228, Com. Aviat. M. U. S. Nat. Res. Counc.

Lamport, H., Hoff, E. C. [et al.] Tests of protection against the effects of acceleration afforded the human by the use of the latest model of the gradient pressure suit (G. P. S.) when inflated by three different pressure arrangements. 12p. 28cm. Wash., 1943.
Forms. Rep. No. 187, Com. Aviat. M. U. S. Nat. Res. Counc.

Maaske, C. A., Hallenbeck, G. A., & Martin, E. E. Evaluation of anti-G suits. 19 l. 26½cm. Dayton, 1944.
Forms Rep. No. 4, Proj. No. ENG–49–696–51–D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Maison, G. L. Evaluation of anti-G suits. 8 l. 27cm. Dayton, 1944.
Forms No. ENG–49–696–51C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Martin, E. E. JP–8 pressure regulating valve for anti-G suits in jet propelled aircraft. 18p. 26½cm. Dayton, 1946.
Forms No. TSEAA–695–68, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Service test report on USAF Type G-4A Pilots' Pneumatic Suit, Anti-G. 12p. 26½cm. Dayton, 1949.
Forms No. MCREXD–689–2E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Wood, W. H., Lambert, E. H. [et al.] Factors involved in the protection afforded by pneumatic anti-blackout suits. 22p. 28cm. Wash., 1944.
Forms Rep. No. 351, Com. Aviat. M. U. S. Nat. Res. Counc.

Air Surgeon's Office G suit. J. Aviat. M., 1945, **16**: 45.—**Maison, G. L., Maaske, C. A.** [et al.] Acceleration and the G suit. Air Surgeon's Bull., 1945, **2**: 3–7.—**Mazer, M.** The G suit in combat. Ibid., 236.—**Rushmer, R. F.** A roentgenographic study of the effect of a pneumatic anti-blackout suit on the hydrostatic columns in man exposed to positive radial acceleration. Am. J. Physiol., 1947–48, **151**: 459–68.—**Versoy, I. R., & Loeffel, L. H.** Acceleration belt and stocking for aviators. U. S. Patent Off., 1946, No. 2,397,710.—**Wood, E. H., Clark, D. M., & Lambert, E. H.** An analysis of factors involved in the protection afforded man by pneumatic anti-blackout suits. Fed. Proc., Balt., 1945, **4**: 79.

—— Protection: Drug.

See also subheading (Tolerance) also **Aviator, Drugging.**

Hasegawa, T. Prevention of the disease by acceleratde motion by intravenous injection of sodium bicarbonate. Jap. M. J., 1948, **1**: 431–8.

—— Protection: Inhalation of CO_2.

Matthes, M. Untersuchungen über das Verhalten einiger Kreislaufgrössen bei hohen Beschleunigungen im Flugversuch und über den Einfluss von CO_2-Zusatz zur Atemluft auf die Beschleunigungserträglichkeit. Luftfahrtmedizin, 1939–40, **4**: 123–37 (microfilm)—**Van Middlesworth, L., & Britton, S. W.** Protection against acceleratory forces by CO_2 inhalation. Fed. Proc., Balt., 1946, **5**: 264.—**Van Middlesworth, L., & Kline, R. F.** Protection against acceleratory forces by carbon dioxide inhalation. Am. J. Physiol., 1948, **152**: 22–6.

—— Protection: Position.

See also subheading (negative) also **Aircraft, Prone position.**

Wood, E. H., Code, C. F., & Baldes, E. J. Protection against the effects of acceleration afforded the human by assumption of the prone position. 2p. 28cm. Wash., 1943.
Forms Rep. No. 158, Com. Aviat. M. U. S. Nat. Res. Counc.

Diringshofen, H. Untersuchungen im Motorfluge über den Einfluss der Körperhaltung für das Ertragen hoher Beschleunigungen. Luftfahrtmedizin, 1936–37, **1**: 226–40.—**Drury, D. R.** Physiological, biochemical, and anatomical effects of body acceleration relative to pilot position in high-speed aircraft. Q. Project Summary Off. Nav. Res., 1948, July, 392.—**Tidd.** Floating posture of the unconscious body. Gr. Britain Flying Pers. Res. Com., 1944, No. 564, 4.—**Wiesehöfer, H.** Ueber Flugversuche zur Frage der Erträglichkeit hoher Beschleunigungen bei liegender Unterbringung der Flugzeuginsassen. Luftfahrtmedizin, 1939–40, **4**: 145–55.

—— Research methods.

See also **Centrifugal force; Centrifuge; Research.**

Baldes, E. J., & Porter, A. N. Human centrifuge for use in studies of man's reaction to acceleration. Fed. Proc., Balt., 1945, **4**: 4.—**Gauer, O.** Ueber den neuesten Stand der Beschleunigungsforschung in der Luftfahrtmedizin. Deut. Militärarzt, 1939, **4**: 497–503. ——— & **Strughold, H.** Röntgenkinematographie im Dienste der physiologischen Beschleunigungsforschung. Schr. Deut. Akad. Luftfahrtforsch., 1943, **7**: 57–60.—**Hill, H. W.** The Acceleration Unit, School of Aviation Medicine. Contact, Pensacola, 1946–48, **6**: 228–31.—**R.C.A.F.** (The) Human Centrifuge and Acceleration Laboratory. J. Canad. M. Serv., 1946–47, **4**: 95–111.—**Spassky, V.** Kabina samoleta. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1055–63.

—— rotary.

See also **Equilibrium.**

Everling, E. Messen von Drehgeschwindigkeiten durch das Gleichgewichtsorgan. Acta aerophysiol., Hamb., 1933–34, **1**: fasc. 2, 30–40.—**Illusory** rotation. Bumed News Lett. Aviat. Suppl., Wash., 1947, **8**: No. 12, 2–4.—**Travis, R. C.** Perception and bodily adjustment under changing rotary acceleration; a new technique. Am. J. Psychol., 1944, **57**: 468–81.

—— Sense organs.

Blakemore, C. Visual complications of high-speed flying. Tr. Ophth. Soc. Australia, 1940, **2**: 28–33.—**Canfield, AA., Comrey, A. L. & Wilson, R. C.** A study of reaction time to light and sound as related to increased positive radial acceleration. J. Aviat. M., 1949, **20**: 350–5.—**Capucci, M.** Occhio ed accelerazioni in volo. Riv. med. aeronaut., 1949, **12**: 261–7.

—— Tolerance.

See also **Anoxia.**

Clark, W. G., & Jorgenson, H. Effect of ingestion of food and fluid on tolerance of human subjects to positive acceleration [1] l. 28cm. Wash., 1945.
Forms Rep. No. 502, Com. Aviat. M. U. S. Nat. Res. Counc.

Greeley, P. O., Jorgenson, H. [et al.] Effect of anoxia on man's tolerance to positive acceleration. [1] l. 28cm. Wash., 1945.
Forms Rep. No. 500, Com. Aviat. M. U. S. Nat. Res. Counc.

Lamport, H., Hoff., E. C., & Herrington, L. P. Statistically valid tests of drugs and other factors affecting the resistance of mice to acceleration. 1p. 28cm. Wash., 1944.
Forms Rep. No. 298, Com. Aviat. M. U. S. Nat. Res. Counc.

Ruff, S. Human tolerance of acceleration and measures in aircraft construction to increase it. 6 l. 27cm. Heidelb., 1946.
Forms No. P2–46–17, Transl. U. S. Air Force Aero M. Cent., Heidelb. Transl. from Zschr. Ver. Deut. Ingen., 1940, **84**: 817.

Ames, W. H. Human tolerance to high linear accelerations of short duration. Mil. Surgeon, 1948, **103**: 96–9. ——— **Sweeney, H. M., & Savely, H. E.** Human tolerance to acceleration in pilot ejection. J. Aviat. M., 1947, **18**: 548–53, &c.—**Andrews, A. H.** Acceleration tolerances of the human body. CIOS Rep., Lond., 1945, Item 24, No. XXXII–83, 1–5.—**Downey, V. M., Lorentzen, F. V., & Lambert, E. H.** Effect of the crouch position on the increase in tolerance to positive acceleration afforded by an antiblackout suit. J. Aviat. M., 1949, **20**: 289–99.—**Greeley, P. O., Jorgenson, H.** [et al.] Effect of anoxia on man's tolerance to positive acceleration. Fed. Proc., Balt., 1946, **5**: No. 1, pt. 2, 35.—**Maher, P. J.,** jr, **Gauer, O.** [et al.] Venous pressure as a factor limiting tolerance of acceleration in the prone position. Ibid., 1949, **8**: 104.—**Poppen, J. R., & Watts, D. T.** Human tolerance to high positive acceleration of short duration. Ibid., 1947, **6**: 181.—**Wood, E. H.** Use of the Valsalva maneuver to increase man's tolerance to positive acceleration. Ibid., 229.

—— transverse.

Lambert, E. H., Wood, E. H., & Baldes, E. J. Man's ability to withstand transverse acceleration when in the sitting position; preliminary report. 3p. 28cm. Wash., 1945.
Forms Rep. No. 418, Com. Aviat. M. U. S. Nat. Res. Counc.

—— vertical (Seat ejection)

See also **Aircraft**, Ejection seat.

Devaux, P. La résistance physiologique au catapultage et aux acrobaties aériennes. Nature, Par., 1939–40, **67**: 299–302.—**Evrard, E.** Observations expérimentales relatives aux effets des vitesses ascensionnelles rapides sur l'organisme de l'aviateur. Bruxelles méd., 1949, **29**: 3639; 3689.—**Watts, D. T., Mendelson, E. S., & Kornfield, A. T.** Preliminary tests of sudden upward acceleration on sitting men. Am. J. M. Sc., 1947, **213**: 754. ——— Tolerance to vertical acceleration required for seat ejection. J. Aviat. M., 1947, **18**: 554–64.

ACCIDENT.

See also **Aircraft crashing**; **Anoxia**, Sequelae; **Dead**; **Fighter aviation**; **Flying**, Accident; **Injury**, accidental; **Prisoner of war**, Accidents, etc.

United States. Army. Office of the Provost Marshal General. Accident prevention program. p. 35–42. 33cm. Wash., 1945.
Also in: Month. Progr. Rep. Army Serv. Force, 1945, Sect. 11, Dec. No.

Cohen, S. A. Accidents in the Army and their prevention. Mil. Surgeon, 1940, **87**: 434–43.—**Question** (The) of accidents. Brit. M. J., 1943, **2**: 185.

ACCLIMATIZATION.

See under **Altitude**; **Anoxia**, Tolerance.

ACTIVE duty.

See under **Reserve officer**; **Training**.

ACUITY of vision.

See **Vision**.

ADJUSTMENT.

See under **Life**; **Veteran**.

ADMINISTRATION.

United States. War Department. Technical manual TM 12–250: Administration, October 10, 1942. 455p. 22cm. Wash., 1942.

Administrative supervision; bibliography. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. C, 18.—**Smith, E. E.** Military and naval administration. Proc. Postgrad. Course Aviat. Ophth. George Washington Univ., 1940, **1**: 227–37.

—— medical.

See also **Hospital administration**; **Medical Service Corps.**

Cohen, J. Administrative notes for Royal Army Medical Corps officers. 52p. 18½cm. Aldershot, 1941.

Grenon, P., & Teule, M. Vade-mecum de l'officier d'administration de réserve. 3.ed. 260p. 12°. Par., 1936.

Snell, C. F. Notes on administration. Rev. ed. vii, 64p. plan. 26cm. Randolph Field, 1938.

Abielhé, F., Rodríguez Fito, & Abdal y Sibila, J. Estudio comparado de los servicios administrativos de los diferentes ejércitos de tierra, de mar y de aire. Congr. internaz. med. farm. mil., Madr., 1933, **5**: 7. Congr., 91–114.—**Bowers, W. F.** Administration of the surgical service; aids to general administrative efficiency. Bull. U. S. Army M. Dep., 1949, **9**: 186–97—**Dowse, J. C.** Textbook administration of medical services in a division. In: Interallied Conf. War Med. (1942–45) 1947, 19–25.—**Fenton, B. C. T.** The importance of Medical Department administration. Med. Bull. Europ. Command, 1949, **6**: No. 7, 29–32.—**Maslinkovsky, T.** Voenno-medicinskaia administracia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 371.—**Medical** administration. Circ. Lett. Surgeon Mediterr. Theater U. S. Army, 1945, 1–49, 12 tab.—**Medical** administration foreword. Circ. Lett. Surgeon Mediterr. Theater U. S. Army, 1946, No. 3, 1–50, 2 tab.—**Morgan, C. V.** Medical administration. Med. Bull. Europ. Command, 1949, **6**: No. 4, 17–20.—**Progent, L. E. J.** Les actes de la comptabilité—deniers. Arch. méd. pharm. mil., Par., 1924, **80**: 413–9.—**Suárez Torres, G., & Leal Rodríguez, A.** Especialización técnica de los oficiales de administración del servicio sanitario. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 275–88; Discussion, Proc., 219–29.

—— veterinary.

See also **Veterinary Corps.**

United States. War Department. Technical manual TM 8–450: Veterinary administration. 39p. 23cm. Wash., 1941.

ADMINISTRATION of records.

See **Records administration.**

ADMINISTRATION of veterans.

See **Veterans Administration.**

ADMINISTRATIVE officer.

See **Administration**; **Hospital staff.**

ADMITTANCE to hospital.

See **Hospitalization.**

ADRIANOPLE (1913)

See **Wars and campaigns.**

ADRIATIC sector.

See under **World War II.**

ADULTERATION.

See **Food**; **Ration.**

AERO-EMBOLISM.

See under **Altitude.**

AEROMEDICAL Laboratory.

See **Medical laboratory**, Air Force.

AEROMEDICINE.

See also **Air Force Medical Service**; **Preventive medicine**, Aviation.

Miller, W. H. Analysis of the aviation medi-

cine situation and recommendations for a Bureau program. 7p. 27cm. Wash., 1940.

Armstrong, H. G. Aviation medicine. Med. J. Australia, 1940, **1**: 868.—**Aviation** medicine. J. Am. M. Ass., 1944, **124**: 237.—**Baxter, J. P.,** III. Aviation medicine. In his Scientists Against Time, Bost., 1946, 377–93.—**Benson, O. O.,** jr, **Dill, D. B., & Lovelace, W. R.,** II. Medical activities in military aviation. Collect. Papers Mayo Clin. (1943) 1944, **35**: 820–6.—**Bronk, D. W.** Aviation medicine; introduction. In: Advance. Mil. Med., Bost., 1948, **1**: 207–21.—**Diringshofen H.** v. Für den Truppenarzt praktisch wichtige Fragen der Luftfahrtmedizin. Luftfahrtmed. Abh., 1938, **2**: 252.—**Emard, L. M.** La médecine et l'aviation. Union méd. Canada, 1942, **71**: 1333–9.—**Fiumel, A.** Zadania lekarza w lotnictwie bojowym. Lek. wojsk., 1941, **34**: 158–60.—**Gray, G. W.** Aeromedicine. In his Science at War, 3. ed., N. Y., 1943, 224–48.—**Hankwitz, A. W.** Aviation medicine. Mil. Surgeon, 1940, **86**: 363–7.—**Igarasi, K.** Kessen-ka no kōkū-igaku [War-time aviation medicine] Nippon rinsyo, 1944, **2**: 421–8.—**Ivy, A. C.** Aviation medicine. Clin. Med., 1942, **49**: 130.—**Jensen, W. S.** Aviation medicine. Proc. Am. Drug Manuf. Ass., 1943, 32. meet., 111–21.—**Jones, G. I.** Aviation medicine and its strength through co-ordination. Mil. Surgeon, 1937, **81**: 122–4.—**Le Messurier, E. H.** Aviation medicine. Med. J. Australia, 1945, **2**: 442.—**Médico** (O) na aviação militar. Impr. méd., Rio, 1942, **18**: No. 344, 129.—**Mitchell, A. M.** Aviation medicine. J. Indiana M. Ass., 1940, **33**: 459–62.—**Ricketts, H. T.** Aviation medicine. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 107–31.—**Simpson, J. D.** The medicine of flying. J. R. Nav. M. Serv., 1941, **27**: 249–58.—**Strong, R. A.** Aviation medicine. Flight Surgeon Topics, 1939, **3**: 121–33.—**Terres y Prieto, R.** La medicina en aviación. Mem. Convenc. méd. mil. mex., 1936, 205–8.—**Whittingham, H. E.** Some medical aspects of flying. Med. Times, N. Y., 1944, **72**: 359–62. ——— Aviation medicine. Lancet, Lond., 1945, **1**: 231.

—— Bibliography.

Beyne, P. J. E. Revue de médecine aéronautique, 1937–38. Rev. Serv. san. mil., Par., 1939, **111**: 215–39.

—— Committees and congresses.

Fulton, J. F. Memorandum concerning reports of the Committee on Aviation Medicine, with an Appendix on safeguarding military information. 5p. 28cm. Wash., 1941.

Forms Rep. No. 1, Com. Aviat. M. U. S. Nat. Res. Counc. Also Suppl. 1. [1]p. 1941. Also Suppl. 2. [1]p. 1941. Also Suppl. 3. 3p. 1942. Also Suppl. 4. 3p. 1942. Also Suppl. 5. 5p. 1943.

Army air forces (U. S.) J. Aeronaut. Sc., Rev. Sect., 1941–42, **9**: No. 2, 37.

—— Essays.

Barach, A. L. Principles of aviation medicine. War Med. Sympos., N. Y., 1942, 336–56.—**Beaven, C. L.** The doctor stays at home. Mil. Surgeon, 1938, **82**: 391–9.—**Carson, L. D.** Aviation medicine is industrial medicine. Ibid., 1948, **102**: 27.—**Fulton, J. F.** Medicine and air supremacy. J. Maine M. Ass., 1942, **33**: 201–10. Also N. England J. M., 1942, **226**: 873–80. Also Resenha clin. cient., S. Paulo, 1942, **11**: 443–51.—**Glenn, C. R.** Aviation medicine in peace and war. California West. M., 1944, **60**: 278–82.—**Grant, D. N. W.** Military aviation medicine as related to national defense. J. Aviat. M., 1940, **11**: 197–201. ——— The general mission of military aviation medicine. Mil. Surgeon, 1942, **90**: 281–90. Also J. Laborat. Clin. M., 1942–43, **28**: 577–85. ——— Address. J. Am. M. Ass., 1944, **125**: 654. ——— We are not content. Kentucky M. J., 1944, **42**: 63–7.—**Jensen, W. S.** Today and tomorrow in aviation medicine. Mil. Surgeon, 1944, **94**: 89–92.—**Sarmiento Lasuem, J.** Abastecimiento aéreo; ravitaillement aérien. Congr. internat. med. farm. mil., Madr., 1933, 7. Congr., **2**: 233–7.—**Terasi, Y.** Kōkū igaku no genzai to syōrai [The present and the future ...] Gun idan zassi, 1938, No. 300, 431–5.

—— Evaluation.

Benson, O. O. L'application à la médecine générale des recherches en médecine aéronautique effectuées par l'aviation militaire des Etats-Unis (transl.) Bruxelles méd., 1948, **28**: 1935–44.—**Schulz, A.** Flugmedizin im Dienste der Kriegsführung. Deut. Aerztebl., 1943, **73**: 42.—**Tuttle, A. D., & Armstrong, H. G.** The role of aviation medicine in the development of aviation. Mil. Surgeon, 1939, **85**: 285–301. Also Proc. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 81–95. Also Deut. Militärarzt, 1940, **5**: 292 (Abstr.)

—— Experiences.

For experiences in World War I and II see these main headings within section.

Bergeret, P. Quelques enseignements médico-aéronautiques de la dernière guerre. Bull. internat. Serv. santé, Liége, 1946, **19**: 303–18. Also Turkish transl., Askerî sıhhiye mecmuası, 1947, **76**: No. 49, 7–19. ——— & **Giordan, P.** Le record du monde de saut et chute libre; observation médico-physiologique. Rev. Serv. san. mil., Par., 1939, **111**: 327–40.—**Grow, M. C.** Aviation medicine in World War II. Digest Treat., Phila., 1941–42, **5**: 600.—**Labarthe, P. R., Giordan, P. F. J., & Curveillé, J.** Enseignements médico-physiologiques des croisières aériennes coloniales. Rev. Serv. san. mil., Par., 1939, **111**: 317–25.—**Rivet, L.** Les enseignements médico-aéronautiques de la dernière guerre. Presse méd., 1946, **54**: 848.

—— History.

Beaven, C. L. A chronological history of aviation medicine. 23p. 25½cm. Randolph Field, 1939.

Also Army M. Bull., 1940, **51**: 49–64. Also Flight Surgeon Topics, 1938, **2**: 185–206.

Robinson, V. Aviation medicine in the A. E. F. Ciba Sympos., 1943–44, **5**: 1639–46.

—— Institutes.

See **Medical laboratory; School.**

—— Instruction.

Great Britain. Air Ministry. Syllabus for training of airmen of the medical and dental branches. 3. ed. 77p. 8° Lond., 1937.

Forms No. 985 Air Publ.

Strughold, H. Aero medical instruction of the flying personnel of the Luftwaffe. 3 l. 27cm. Heidelb., 1946.

Forms No. U3–46–6, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Instruction in aviation medicine. Mil. Surgeon, 1941, **88**: 71.—**Mashburn, N. C.** The school exhibit at Rochester, Minn. Flight Surgeon Topics, 1939, **3**: 33–6.

—— Manual.

Armstrong, H. G. Principles and practice of aviation medicine. 496p. 23½cm. Balt., 1939. Also 2. ed. 514p. 1943.

Great Britain. Air ministry. Manual for medical and dental officers of the Royal Air Force. 446p. 21½cm. Lond., 1938.

——— Air publication 1269A: Appendices to Manual for medical and dental officers of the Royal Air Force. v.p. 23cm. Lond., 1940.

Kossmann, C. E. Flight surgeon's reference file. 6p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 397, U. S. Air Force School Aviat. M.

Malméjac, J. Médecine de l'aviation; bases physiologiques et physio-pathologiques. 333p. 28½cm. Par., 1948.

Ruff, S., & Strughold, H. Atlas der Luftfahrtmedizin. viii l., 100 l. of pl. 28cm. Lpz., 1942.

United States. Air Force. AAF Manual 25–0–1: Flight Surgeon's reference file. [v. p.] 27½cm. Wash., 1945.

Loose-leaf.

United States. Army Air Forces. School of Aviation Medicine. Flight surgeon's handbook. 160p. 24½cm. Randolph Field, 1942. Also 2. ed. 320p. 25cm. 1943.

—— naval.

See subheading (—by countries: U. S. Navy)

—— Nomenclature.

See **Research,** aeromedical.

—— Problems.

See also section headings **Acceleration,** Medical aspect; **Altitude,** Medical aspect; and similar terms.

Bergeret. Problèmes d'aujourd'hui et de demain en médecine aéronautique. Bull. Soc. méd. mil. fr., 1946, **40**: 235–9.—**Carlson, W. A.** Aviation and its medical problems. Army M. Bull., 1940, **53**: 11–20.—**Fiumel, A.** Współczesne zagadnienia medycyny lotniczej. Med. & przyroda, 1938, **2**: No. 3, 29.—**Grant, D. N. W.** Problems in aviation medicine affecting mili-

tary aviation. J. Aviat. M., 1941, **12**: 274–9.—**Graybiel, A.** Some problems in aviation medicine. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 227–36.—**Grow, M. C.** Current problems in aviation medicine. Mil. Surgeon, 1948, **102**: 14–7.—**Jokl, E.** [Medical problems of aviation] Deut. Militärarzt, 1940, **5**: 502 (Abstr.)—**Langraf, F.** Oto-rhino-pharyngologische Probleme der Fliegermedizin. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 125–37.—**Placidi, T.** L'aviation de guerre: position générale du problème médico-physiologique en l'état actuel de nos connaissances. Rev. Serv. san. mil., Par., 1937, **107**: 289–300.—**Schmid, E.** Aktuelle fliegermedizinische Fragen und Probleme. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 59–65.—**Strughold, H.** Die Aufgaben der Luftfahrtmedizin im Lichte der technischen Entwicklung der Luftfahrt. Deut. Militärarzt, 1936, **1**: 29–36.

—— Progress.

Adams, J. C. Developments in aviation medicine in the field. J. Aviat. M., 1944, **15**: 124–6.—**Shepler, H. G., Smedal, H. A., & Christy, R. L.**, jr. Some recent advances in aviation medicine. U. S. Nav. M. Bull., 1949, **49**: 775–87.—**Zamkova, Z. N.** Razvitie aviacionnoi mediciny i podgotovka aviacionnykh vrachei. Voen. san. delo, 1941, No. 1, 90–4.

—— Relationships.

Lovelace, W. R., II, Gagge, A. P., & Bray, C. W. Aviation medicine and psychology. 137p. 27½cm. Wright Field, Ohio, 1946.

Wigodsky, H. S. The application of war research to civil aviation medicine. J. Aviat. M., 1948, **19**: 115–7.

—— Research facilities.

See **Research,** aeromedical.

—— Stratosphere medicine.

See also **Stratosphere.**

Takata, M. Seisōken igaku kakuritu no yōmu [Importance of establishment of stratosphere medicine] Nippon rinsyo, 1944, **2**: 428–37.

—— Therapeutics.

See also **Acceleration,** Protection; **Altitude,** Pharmacological aspect; **Aviator,** Drugging.

Oberst, F. W., & Ely, H. M. The use of drugs in aviation medicine. Mil. Surgeon, 1950, **106**: 192–7.

—— by countries: Canada.

Hall, G. E. Aviation medicine in the Royal Canadian Air Force. J. Am. M. Ass., 1942, **119**: 1104–7.—**Institute** of Aviation Medicine. J. Canad. M. Serv., 1946–47, **4**: 5–9.

—— by countries: Germany.

Freiburg i. B. Institut für luftfahrtmedizinische Pathologie des Reichsluftfahrtministeriums. Arbeiten. Freib. i. B., 1943/44–

—— by countries: Great Britain.

Rook, A. F. Medicine in the Royal Air Force. In: Inter-allied Conf. War Med. (1942–45) 1947, 496–8.—**Stafford-Clark, D.** Aspects of war medicine in the Royal Air Force. Brit. M. J., 1943, **1**: 139.—**Whittingham, H. E.** Progress of aviation medicine in the Royal Air Force and its application to the problems of civil aviation. Ibid., 1946, **2**: 39–45. Also Rev. san. mil. argent., 1947, **46**: 695–713.

—— by countries: Poland.

Kurzrok, M. Dziesięć lat polskiej medycyny lotniczej. Med. & przyroda, 1938, **2**: No. 3, 22.

—— by countries: Russia.

Khilov, K. [Accomplishments of Prof. V. I. Vojaček and his school in military aviation] Voen. san. delo, 1935, 7–13.—**Samter, J. F.** [Aviation medicine] Feldsher, Moskva, 1940, No. 4, 65–7.—**Strelcov, V.** Aviacionnaia medicina. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 16–9.

—— by countries: United States.

Aviation medicine in the Armed Forces. Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense, 1949, Sect. P, 8p.—**Grant, D. N. B.** Medical problems of the Air Corps. J. Am. M. Ass., 1942, **120**: 1317.—**Würfler, P.** Luftfahrtmedizin in den Vereinigten Staaten. Deut. Militärarzt, 1938, **3**: 208–11.

—— by countries: U. S. Army.

United States. Air Force. Aero Medical Center [Heidelberg, Germany] Report from Heidelberg; the story of the Army Air Forces Aero Medical Center in Germany, 1945–1947. 52 l. 27cm. Heidelb., 1947.

Grow, M. C. Aviation medicine in the Eighth Air Force. Air Surgeon Bull., 1944, **1**: No. 8, 1–3. ——— Aero medical program in the Army Air Forces. J. Aviat. M., 1948, **19**: 52–5.—**Reinartz, E. G.** Aviation medicine in the Army. Sc. Month., 1944, **59**: 451–5.

—— by countries: U. S. Navy.

Adams, J. C. Comments on aviation medicine for the Navy for 1942. J. Aviat. M., 1943, **14**: 71–4. ——— Aviation medicine in the Navy. Ibid., 1947, **18**: 379–83.—**Aviation** medicine. U. S. Nav. M. Bull., 1936, **34**: 562.—**Aviation** Medicine Division. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 2, 64–8.—**Ceres, F.** Aviation medicine in the United States Navy. War Med., Chic., 1941, **1**: 43–9.—**Groesbeck, B.**, jr. Modern trends in the teaching of Naval aviation medicine. J. Aviat. M., 1944, **15**: 182–5.—**Leslie, A.** A brief introduction to aviation medicine. J. Mount Sinai Hosp. N. York, 1942–43, **9**: 967–70.—**McIntire, R. T.** Aviation medicine in the Navy. Med. Ann. District of Columbia, 1941, **10**: 437–40. Also War Med. Sympos., N. Y., 1942, 331–5.—**Shaw, C. C.** Aviation medicine. Bull. School M. Univ. Maryland, 1943–44, **28**: 153–62.—**Vann, J. W.** Aviation medicine. U. S. Nav. M. Bull., 1937, **35**: 55–9.

AERONAUTICS.

See also **Aerostatics; Aircraft; Aviation; Flying.**

Gray, G. W. The National Advisory Committee for Aeronautics. In his Science at War, 3. ed., N. Y., 1943, 50–3.—**Hunsaker, J. C.** Aeronautical research. J. Franklin Inst., 1942, **234**: 133–6.—**Vannutelli, R.** Aeronavigazione; ortodromie e lossodromie. Riv. med. aeronaut., 1947, **10**: 223–5.

—— Charts.

United States. Air Force. Aero Medical Laboratory. Memorandum report No. ENG–49–698–18. Aeronautical charts prepared for use in daylight, under white, ultra-violet and amber and red lights. 4 l. 27cm. Dayton, 1943.

AERO-OTITIS.

See also **Barotrauma; Deafness;** for further references see also in 4. ser. of Index-Catalogue the heading **Middle ear,** Inflammation: Aero-otitis.

Bergln, K. G. Aviation deafness. In his Aviat. Med., Bristol, 1949, 235–46.—**Bunch, C. C.** A possible clue for cause of plane crashes. California West. M., 1942, **56**: 116.—**Campbell, P. A.** The problem of aviation deafness; the airman, his history and his plane. Arch. Otolar., Chic., 1945, **41**: 319–21.—**Caussé, R., & Falconnet, P.** La surdité professionnelle de l'aviateur. Ann. otolar., Par., 1947, **64**: 436–50.—**Fowler, D. P.**, jr. Causes of deafness in flyers. Arch. Otolar., Chic., 1945, **42**: 21–32.—**Hallpike.** An investigation into the incidence of acute otitic barotrauma as a disability amongst 1,000 air-crew cadets during a decompression test. Gr. Britain Flying Pers. Res. Com., 1943, No. 566, 1–3.—**Heyden, R.** Aviators' deafness. Acta otolar., Stockh., 1944, **32**: 164–75.—**Iwaszkiewicz, J.** Zagadnienie narządu słuchu u lotników. Lek. wojsk., 1945, **36**: 53–6.—**Malone, P. W.** Aviation deafness. Arch. Otolar., Chic., 1944, **40**: 468–74.—**Merkel, B. M.** Aviation deafness. J. Iowa M. Soc., 1946, **36**: 288–91.—**Rezende Barbosa, J. E. de.** Ouvido e aviação; alteração da audição nos aviadores. An. paul. med. cir., 1944, **47**: 513.—**Salém, W.** Existe a surdez profissional em aviação? Rev. med. mil., Rio, 1942, **31**: 281–6. ——— A labirintocoptose em face da aviação. Pub. méd., S. Paulo, 1944–45, **16**: No. 2, 21–8.—**Statistical** analysis of 108 cases of otitic barotrauma. Gr. Britain Flying Pers. Res. Com., 1943, No. 512, 2.—**Suggests** a possible clue for cause of plane crashes. Rocky Mountain M. J., 1942, **39**: 364.—**Use** of amyl nitrite in acute otitic barotrauma. Gr. Britain Flying Pers. Res. Com., 1943, No. 527, 1.—**Ushakov, A.** Aerootit. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 347.—**Wright, R. W.** Aero-otitis, complicated by purulent otitis media. Air Surgeon Bull., 1944, **1**: No. 6, 8.

AEROSTATICS.

See also **Aeronautics; Airship.**

Milly. Observations sur les expériences de MM. de Montgolfier, Robert et Charles, avec les moyens de les rendre plus aisées et moins dangereuses. Observations (Rozier) Par., 1784, **24**: 64–9.—**Tissandier, G.** La célébration du centenaire de la première ascension aérostatique faite en Angleterre le 14 septembre 1784; Vincent Lunardi; documents inédits. Nature, Par., 1884, **12**: pt 2, 339–42, illust.

AFRICA.

See various headings of military section as **Hospital report; Prisoner of war**—by captor powers: Africa; **World War II**; see also references to South Africa and West Africa within section.

AGE.

See **Recruit**, Age.

AGGRESSION.

See under **Militarism.**

AID man.

See **Aid station**; also **Medical troops.**

AID station.

See also other headings in section as **Ambulance; Battalion; Casualty; Collecting station; Combat; Evacuation; First aid; Injury; Litter; Medical service; Regiment**, etc.

Graziani, F. Il posto di medicazione; richiami de chirurgia di guerra. 48p. 20 cm. Roma, 1941.

Spangler, H. J. Mobile aid station. 18 l. 28cm. Camp Lejeune, 1949.
Forms Res. Proj. NM 112 043, U. S. Nav. M. Field Res. Laborat.

Ancien. Le poste de secours. J. méd. Paris, 1940, **60**: 9–11.—**Bazin, F.** Le poste de secours de bataillon. Rev. gén. clin. thér., 1918, **32**: suppl., p. cmxcvii.—**Bernhoff, G.** [Sick stations during campaigns] Tskr. mil. hälsov., 1935, **60**: 123–56.—**Binet, L.** L'organisation et le fonctionnement d'un poste de secours régimentaire. Paris méd., 1915–16, **17**: 489–92.—**Bonnette.** Installation d'un poste de secours (aménagement proposé) Gaz., hôp., 1905, **78**: 713.—**Cheyron.** Du fonctionnement d'un poste de secours dans un secteur d'attaque. J. méd. Bordeaux, 1917, **47**: 68–71.—**Clark, F. J.** A suggestion for modification of the advanced dressing station. J. R. Army M. Corps, 1939, **72**: 236–43.—**Cot & Genaud.** Le poste de secours mobile étanche; son rôle en matière d'organisation sanitaire de défense passive; sa réalisation par surpression et emploi de réserves d'air comprimé. Presse méd., 1939, **47**: 1391–4.—**Gabriele, D. J.** Mobile aid station. Air Surgeon Bull., 1945, **2**: 202.—**Gaujard, M.** Quelques considérations sur les postes de secours. Arch. méd. pharm. mil., 1918, **69**: 499–512.—**Gildenskøld, S. N.** [Division of the first aid unit in battle] Voen. san. delo, 1943, 41–6.—**Grantham-Hill, C.** Mobile first-aid posts. Brit. M. J., 1941, **2**: 594.—**Lacey, T. W.** A dresser's experience. Ibid., 1914, **2**: 729.—**Laval, E.** Installation originale d'un poste de secours. Caducée, 1905, **5**: 300–02.—**Leonardov, B.** Punkt medicinskoi pomoshchi. In: Bolsh. med. encikl., 1934, **28**: 66–71. ——— Post medicinskoi pomoshchi. Ibid., 70.—**Levy, B.** A mobile dressing post. J. R. Army M. Corps, 1945, **85**: 178.—**Lister, W., & Sandiford, H. A.** A description and notes on uses of a mobile dressing station. Ibid., 1933, **60**: 166–73.—**Michael, P. R.** [First-aid dressing stations] Mil. spectator, Haag, 1940, **109**: 481–8.—**Nabhan, F. N.** Glancing around AED; experiences of a combat medical aid man. Scalpel, N. Orl., 1946–47, **17**: 35–7.—**Nicholls, T. B., & Weatherhead, A. G. N.** The organization of a first-aid post. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 1038–46.—**Open** sesame; South African field dressing station in the desert [Illust.] Nurs. Times, Lond., 1943, **39**: 494.—**Packer, M. E. J.** Mobile first-aid posts. Brit. M. J., 1941, **2**: 671.—**Richter, A.** Erfahrungen von Hilfsplatz eines Infanterieregiments. Militärarzt, 1915, **49**: 417–23.—**Salinas, E.** Puestos de soccorro en el campo de batalla. Rev. mil., La Paz, 1932, **11**: 3–11.—**Seeley, C.** Organization of the emergency medical services; first aid posts. In: War Wounds (Brit. M. J.) Lond., 1939, 243–50.—**Shakhbazian, E. S., & Martynov, D. A.** [Characteristics of the surgical work at the first-aid field stations] Nov. khir. arkh., 1941, **49**: 263–5.—**Shaposhnikov, A.** Post pervoi pomoshchi na korabliah. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 777. ——— Punkt medicinskoi pomoshchi. Ibid., 992.—**Shlykov, A.** Medicinsky punkt. Ibid., **3**: 1000–2.—**Sklifosovski, P. T.** [Conclusion concerning O. M. Kholbek's article: First aid in the war, and his Obligatory rules in the treatment of wounds at first-aid stations] Voen. med. J., 1915, **242**: med. spec. pt, 233–41.—**Smith, S. M.** Treatment of the wounded in the aid posts and field ambulances. Brit. M. J., 1918, **2**: 127–9.—**Teneff, S.** Posto di medicazione. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 25.—**Underground** aid station and bomb protected surgery. Air Surgeon Bull., 1945, **2**: 86.

AIR ambulance.

See also **Air evacuation; Ambulance; Helicopter**, etc.

Clark, D. M. Improved case for Chest, Airplane Ambulance [6] l. 28½cm. Dayton, 1943.
Forms No. ENG–49–697–2–I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

——— Piper Navy HE–1 modified for Army Air Force use as single-litter airplane ambulance. 12 l. 31½cm. Dayton, 1945.
Forms No. ENG–49–697–2C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Schickele. The transformation of private and commercial aeroplanes for air ambulance purposes. 5p. 4° (n. pl.) 1937.

White, E. C., Connor, C. A. R., & Hemingway, A. The feasibility of using the personnel pressure bag in the air evacuation of casualties in the standard types of airplane ambulances. 4 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 236, U. S. Air Force School Aviat. M.

Airplane (The) ambulance. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5**: 416–25.—**Anderson, O. W.** L–5B litter support installation. Air Surgeon Bull., 1944, **1**: No. 8, 19. ——— Litter support installation for C–46 airplanes. Ibid., No. 11, 20.—**Beaven, C. L.** The present need for airplane ambulances by the United States Army. Mil. Surgeon, 1935, **77**: 138–46.—**Bowman, R. A.** Litter support installations in C–87 aircraft. Air Surgeon Bull., 1944, **1**: No. 10, 11.—**Brandl, B.** Die Verwendung von Tragschraubern im Sanitätstransportwesen. Deut. Militärarzt, 1936, **1**: 293–300.—**Clark, D. M.** UC–64A litter installation. Air Surgeon Bull., 1944, **1**: No. 3, 18. ——— Litter support installations for the C–47 airplane. Ibid., No. 4, 10. ——— C–54 litter supports. Ibid., No. 7, 17.—**Collins, J. M.** Litter loading device. Ibid., No. 9, 22.—**Green, D. M., & Shipp, J. D.** Evacuation of patients by bomber. Ibid., No. 5, 19.—**Groskloss, H. H., & Smith, F. K.** Oxygen equipment in the ambulance plane; justification for its use. U. S. Nav. M. Bull., 1944, **42**: 501–7.—**Jeep** ambulance planes. Hosp. Corps Q., 1944, **17**: No. 3, 32–7.—**Kreiser, A. E., & Peace, J. E.** Entrance to and exit from air evacuation aircraft for ambulatory patients. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan. 37.—**Litter** raft. Air Surgeon Bull., 1945, **2**: 85.—**Mercier, R. G.** Aviones sanitarios. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 174.—**Midzuno, M.** Eisei hikōki [The airplane ambulance] Gun idan zassi, 1925, No. 148, 1310–5.—**Miscellaneous** equipment for air evacuation. Air Surgeon Bull., 1945, **2**: 78.—**Owen, W. O.** Origin of the flying hospital. J. Am. M. Ass., 1917, **69**: 1289.—**Palitz, L. L.** Oxygen equipment for air evacuation. Air Surgeon Bull., 1945, **2**: 106.—**Photos** of Airplane ambulance; the plane in flight over Langley Field. In: Collection of pictures in Library.—**Roenneke, S.** Die Verwendung von Sanitätsflugzeugen. Deut. Aerztebl., 1940, **70**: 274, illust.—**Whelan, S. M., Rodewald, F. A., & Dooley, M. E.** Improvement of sanitary conditions on air evacuation aircraft. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 38.—**Williams, A. W.** The flying ambulance. Mil. Surgeon, 1943, **92**: 443–6.—**Wright, J. G.** The air ambulance. U. S. Nav. M. Bull., 1942, **40**: 143–7.

AIRBASE [and station]

See also **Aircraft carrier; Airfield; Airport.**

Allman, T. L., Creech, W. D., & McKinley, E. G. Destructive pests at an air station. Hosp. Corps Q., 1948, **21**: No. 3, 49–52.—**Flynn, V. P.** Semi-annual examination at Headquarters Air Corps Detachment, Army Air Base, Long Beach, California during July, 1938. Flight Surgeon Topics, 1939, **3**: 31–2.—**Klinger, L.** Industrial hygiene at an airbase. Air Surgeon Bull., 1945, **2**: 389.—**Monat, H. A., Thompson, W. J., & Stevens, V. G.** Suggested plan for aviation dispensary units at advance bases. U. S. Nav. M. Bull., 1942, **40**: 879–83.

AIRBORNE disease.

See under **Epidemic.**

AIRBORNE division.

See under **Division.**

AIRBORNE troops.

See also **Division**, Airborne.

Benford, R. J. Medical aspects of troop carrier aviation. J. Aviat. M., 1946, **17**: 478–82.—**Castex, M. R., Orosco, G., & Capdehourat, E. L.** Importancia del aprovisionamiento de alimentos frescos al ejercito en maniobras con aviones de gran tonelaje. Rev. san. mil., B. Air., 1940, **39**: 44–7.—**Schickele, A., & Evrard, E.** Les troupes aéroportées et leur service de santé. Bull. internat. Serv. santé, Liége, 1947, **20**: 401–29.

AIR combat.

See below under **Combat.**

AIR conditioning.

See **Aircraft** (Air conditioning; Altitude cabin) Ventilation.

AIR Corps.

See below under **Air Force.**

AIRCRAFT.

See also **Acceleration,** Tolerance; **Airship; Bomber; Fighter; Helicopter.**

Loucks, R. B. Evaluation of aircraft attitude indicators on the basis of Link Instrument Ground Trainer performance. 19p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 341, U. S. Air Force School Aviat. M.

—— Acceptance inspection.

Castellano, C. T–29A [airplane] engineering acceptance inspection. 5 l. 28cm. Dayton, 1950.
Forms No. MCREXD–720–149, Memo. Rep. Aero. M. Laborat. U. S. Air Force.

Heckerman, F. R. YC–125B airplane, engineering acceptance inspection. 4 l. 28cm. Dayton, 1949.
Forms No. MCREXD–720–144, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— C–124A airplane, engineering acceptance inspection. 6 l. 28cm. Dayton, 1949.
Forms No. MCREXD–720–145, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— RB–36D airplane, engineering acceptance inspection. 3 l. 28cm. Dayton, 1950.
Forms No. MCREXD–720–146, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— C–124A airplane, engineering acceptance inspection. 3 l. 28cm. Dayton, 1950.
Forms No. MCREXD–720–150, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— T–6G airplane, engineering inspection. 3 l. 28cm. Dayton, 1950.
Forms No. MCREXD–720–151, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— RB–29 airplane, engineering inspection. 4 l. 28cm. Dayton, 1950.
Forms No. MCREXD–720–152, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Accident.

See **Aircraft crashing.**

—— Air conditioning and ventilation.

Gullord, E. G., & Hansen, R. P. Portable air cooler. Air Surgeon Bull., 1945, 2: 116.

—— Altitude cabin.

See also **Aviation physiology.**

Great Britain. Flying Personnel Research Committee. FPRC 710: Physiological requirements for airconditioning in the cabins of pressurized aircraft. 1p. 33cm. Lond., 1949.

Penrod, K. E. Ventilation rate of sealed aircraft cabins. 7p. 28cm. Wash., 1943.
Forms Rep. No. 276, Com. Aviat. M. U. S. Nat. Res. Counc.

—— [The same] 12 l. 27cm. Dayton, 1943.
Forms No. ENG–49–696–42–B, Memo. Rep. Aero M. Laborat. U. S. Air Force. Also Bull. U. S. Army M. Dep., 1947, 7: 460–5.

Armstrong, H. G. The medical problems of sealed high-altitude aircraft compartments. J. Aviat. M., 1936, 7: 2–8.—**Benzinger, T.** Physiologische Voraussetzungen für die Verwendung von Höhenkammern in Flugzeugen. Deut. Militärarzt, 1939, 4: 297–300.—**Gates. D. C.** The development and present status of sealed high altitude aircraft cabins. Contact, Pensacola, 1942, 2: 6–14.—**Lovelace, W. R., II, & Gagge, A. P.** Aero medical aspects of cabin pressurization for military and commercial aircraft. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 105–14.—**Nixon, F., & Marples, E. I. B.** High-altitude aircraft. U. S. Patent Off., 1942, 2,284,984.—**Pfau, H.** Ventilation of altitude cabins, in particular for aircraft. Ibid., 2,297,495. ——— Devices for controlling the pressure and temperature in altitude cabins, particularly for airplanes. Ibid., 1943, No. 2,328,489.—**Pressure** cabins, solution to high altitude flight. J. Aviat. M., 1944, 15: 354.—**Pressurised** cabin design and explosive decompression. Gr. Britain Flying Pers. Res. Com., 1940–45, 37.—**Voight, W., Helmschrott, J.** [et al.] Pressure cabins and pilot ejection seats. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 58, 60.—**Wagner, H.** Means for maintaining air pressure in airplane cabins. U. S. Patent Off., 1941, No. 2,265.461.

—— Altitude indicator.

Browne, R. C. Comparative trial of two altitude indicators. 4 l. 29cm. Lond., 1945.
Forms F. P. R. C. No. 611a, Gr. Brit. Flying Pers. Res. Com.

—— Automatic recorder.

Loucks, R. B. Assessment of instrument flying performance; techniques for automatic graphing of an aircraft's flight path. 7p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 383, U. S. Air Force Schoo Aviat. M.

—— Assessment of instrument flying performance; further methods for automatic recording of an aircraft's flight path. 9p. 27cm. Randolph Field, 1945.
Forms Rep. No. 2, Proj. No. 383, U. S. Air Force School Aviat. M.

—— Bomber.

See **Bomber.**

—— Cockpit.

See also subheadings (Control; Illumination)

Morant, G. M., & Smith, H. P. R. Body measurements of pilots and cockpit dimensions. 36p. 32½cm. Lond., 1947.
Forms F. P. R. C. No. 689, Gr. Britain Flying Pers. Res. Com.

Characteristics of forward motion of personnel in an F4U-1 cockpit. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 27.—**King, B. G., Morrow, D. J., & Vollmer, E. P.** Biological measurements as a basis for establishing the dimensions of the cockpit working area for the operation of manual controls in aircraft. Sympos. Mil. Physiol., Wash., 1947, 205–8.

—— Comfort of environment.

Henry, J. P. A method for the assessment of seat comfort with a description of some results obtained with the pilot's seat of the Douglas BT2D bomber [17]p. 28cm. Wash., 1945.
Forms Rep. No. 489, Com. Aviat. M. U. S. Nat. Res. Counc.

Hertzberg, H. T. E. Comfort tests of the pulsating seat cushion and lumbar pad. 11p. 27cm. Dayton, 1949.
Forms No. MCREXD–695–82, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Roxburgh, H. L. A review of environmental factors affecting comfort in aircraft. 6 l. 33cm. Lond., 1947.
Forms F. P. R. C. No. 686, Gr. Britain Flying Pers. Res. Com.

Taylor, C. L. Thermal requirements for aircraft cabins. 53 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–695–56, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Macpherson, R. K. Temperature of stationary aircraft in the tropics. Secret Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia, 1945, No. 7, 1–4, 6 tab. [declassified]

—— Control.

Brennan, T. N. N., & Morant, G. M. Selection of knob shapes for radio and other controls. 6p. 33cm. Lond., 1950.
Forms F. P. R. C. No. 702a, Gr. Britain Flying Pers. Res. Com.

Great Britain. Flying Personnel Research Committee. FPRC 621: Report on an investigation into the effects of asymmetry of aircraft controls. 3 l. 29cm. Lond., 1945.

Hick, W. E. Friction in manual controls with special reference to its effect on accuracy of corrective movements in conditions simulating jolting. 9p. 31½cm. Lond., 1945.
Forms F. P. R. C. No. 623, Gr. Britain Flying Pers. Res. Com.

King, B. G., Morrow, D. J., & Vollmer, E. P. Cockpit studies; the boundaries of the maximum area for the operation of manual controls. v. p. [41]p. 26½cm. Bethesda, 1947.
Forms Rep. No. 3, Res. Proj. X-651, U. S. Nav. M. Res. Inst.

Warrick, M. J. Direction of motion stereotypes in positioning a visual indicator by use of a control knob; results from a printed test. 21p. 27cm. Dayton, 1948.
Forms No. MCREXD-694-19A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Weitz, J. Effect of the shape of handles and position of controls on speed and accuracy of performance. 7 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 266, U. S. Air Force School Aviat. M.

—— Effect of shape of handles and position of controls on speed and accuracy of performance when visual cues are restricted. 7p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 351, U. S. Air Force School Aviat M.

Whittingham, D. G. V. Experimental knob shapes. 4p., 11 l. 32½cm. Lond., 1948.
Forms F. P. R. C. No. 702, Gr. Britain Flying Pers. Res Com.

—— Design.

Chapanis, A. Rotoformed plastic bubble canopies. 9 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-695-48J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hertzberg, H. T. E. Contoured seat for the top of an experimental rigid dinghy box. 3 l. 26½cm. Dayton, 1949.
Forms Rep. No. 2, Proj. No. MCREXD-670-9D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Patt, D. I. Pulsating parachute seat cushion; report No. 2. 3 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-695-58B, Memo. Rep. Aero. M. Laborat. U. S. Air Force.

—— Design: Medical aspect and human engineering.

Fitts, P. M., jr. Psychological research on equipment design. 276p. 24cm. Wash., 1947.
Forms No. 19, Res. Rep. Aviat. Psychol. U. S. Air Forces.

—— Psychological aspects of equipment design. 99p. 28cm. Dayton, 1949.
Forms No. 5829, USAF Techn. Rep.

Gagge, A. P. Human factors in aircraft design. 11 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-695-53, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Lawrence, M., & MacMillan, J. W. Annotated bibliography on human factors in engineering design. 209p. 27cm. Wash., 1946.
Forms No. X-651 (Av-340-A) Res. Rep. Bur. M. & S. U. S. Navy.

Weiss, R. A. Analysis of the safety factor in the use of blocks in the indoor shuttle-run. 3p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 360, U. S. Air Force School Aviat M.

Aircraft trooper seat trials. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 10.—**Bray, C. W.** Fitting the machine to the man. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 119–24. ——— Fitting the man to the machine. Ibid., 124–34.—**Design** of aircraft and equipment to fit man. Gr. Britain Flying Pers. Res. Com., 1940–45, 45.—**Furnas, C. C.** Crash injury potentials of aircraft cabin installation. Q. Project Summary Off. Nav. Res., 1948, July, 422.—**Gagge, A. P.** Human factors in aircraft design. Air Surgeon Bull., 1945, 2: 298–301.—**Groesbeck, B.,** jr. The human factors in high performance aircraft. Ann. Int. M., 1948, 28: 552–6.—**Lovelace, W. R., II, & Gagge, A. P.** Aero medical research in aircraft design. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 42–61, illust.—**Orlansky, J.** Human factors in aircraft design. Med. News Lett. Aviat. Suppl., Wash., 1947–48, 9: No. 5, 1–4.—**Pinson, E. A., & Chapanis, A.** Visual factors in the design of military aircraft. J. Aviat. M., 1946, 17: 115–22.—**Reynolds, S. R. M.** Human engineering in the Army Air Forces. Sc. Month., 1945, 61: 277–86.—**Talenti, C.** Aspetti di medicina aeronautica di particolare interesse per l'efficienza bellica degli equipaggi di volo. Riv. med. aeronaut., 1941, 4: 369–85.

—— Detection.

See also **Spotting.**

Keil, F. K. Apparent size of aircraft at various altitudes. [4] l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 56, U. S. Air Force School Aviat. M.

—— Ejection seat.

See also **Acceleration,** vertical.

Geertz, A. *Limits and special problems in the use of seat catapults [Technische Hochschule, Stuttgart] 56 l. 27cm. Heidelb., 1946.
Forms No. 2, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Hill, T. C., & Savely, H. E. Tests of T-8 indoctrination catapult. 6 l. 26½cm. Dayton, 1948.
Forms No. MCREXD-695-66K, Memo. Rep. Aero. M. Laborat. U. S. Air Force.

Lippisch, A. M., & Noble, R. Trajectories of upward seat ejection. 23p. 28½cm. Phila., 1948.
Forms No. 7 (or, Rep. No. 6, TED No. NAM 256005) Rep. U. S. Nav. Air Mater. Center.

Mazza, V., & Savely, H. E. Pneumatic catapults for simulated seat ejection tests. 15 l. 26½cm. Dayton, 1947.
Forms No. TSEAA-695-66F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Savely, H. E., & Ames, W. H. Arm rests on ejection seats. [8] l. 26½cm. Dayton, 1948.
Forms No. TSEAA-695-66G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & Sweeney, H. M. Laboratory tests of catapult ejection seat using human subjects. 36p. 26½cm. Dayton, 1946.
Forms No. TSEAA-695-66C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Shaw, R. S., & Savely, H. E. Acceleration-time diagrams for catapult ejection seats. 10p. 27cm. Dayton, 1947.
Forms No. TSEAA-695-66D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Stewart, W. K. Ejection of pilots from aircraft; a review of the applied physiology. 19p. 32cm. Lond., 1946.
Forms F. P. R. C. No. 671, Gr. Britain Flying Pers. Res. Com.

AMC training pilots in use of pilot-ejection seat. Techn. Data Digest, Dayton, 1949, 14: No. 23, 12, illust.—**Ames, W. H.** Tolerance to acceleration in the automatic pilot ejection seat. Bull. U. S. Army M. Dep., 1947, 7: 776–86.—**Ejection** seats. Gr. Britain Flying Pers. Res. Com., 1940–45, 42, illust.—**Komendantov, G., & Levashev, V.** Katapultirovanie. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1159–67.

—— Fighter.

See **Fighter.**

—— Harness.

See **Harness.**

—— Hazards.

See also **Aircrew,** Hygiene.

Jordi, A. Toxikologische Fragen in der Flugmedizin. Vjschr. schweiz. Sanitätsoff., 1949, 26: 86–91.—**Noxious** gases

and vapors in aircraft. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 10, 1–7.—**Whittingham.** Protection against carbon monoxide inhalation. Gr. Britain Flying Pers. Res. Com., 1942, No. 424, 5.

—— Helicopter.

See **Helicopter.**

—— History.

Moore-Brabazon, J. T. C. Development of heavier-than-air craft. Nature, Lond., 1941, **148**: 213–5.

—— Illumination.

Hartline, H. K., McDonald, R., & Millikan, G. A. Tests on the impairment of pilots' night vision due to illuminated instrument panels; comparison of red and green illumination. 3 l. 28cm. Wash., 1941.
Forms Rep. No. 4, Com. Aviat. M. U. S. Nat. Res. Counc.

Keil, F. C. The effect of aircraft cockpit fluorescent lighting on visual acuity and dark adaption. 6 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 64, U. S. Air Force School Aviat. M.

United States. National Research Council. Committee on Aviation Medicine. Report No. 37: Report on work relating to problems of vision, aircraft illumination, and optical instrument design relating to military aviation. 4p. 28cm. Wash., 1941.

Wise, H. G., jr. A survey of current research and development on cockpit and instrument panel lighting systems by airlines and aircraft manufacturers. 14p. 27cm. Dayton, 1948.
Forms No. MCREXD–694–8D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Buckle. Lighting of cockpits. Gr. Britain Flying Pers. Res. Com., 1942, No. 408, 5.—**Kondratowicz.** Wzrok w lotnictwie. Lek. wojsk., 1927, **9**: 240–5.—**Pol, W.** Wybór kolorowego światła do oświetlenia kabiny samolotów. Ibid., 1933, **21**: 585–95.

—— Insignia.

See also subheading (Detection)

Haber, H., & Gerathewohl, S. A study on the visibility of aircraft insignia. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 11.

—— Instrument panel and dials.

See also subheading (Illumination)

Chapanis, A. Summary and evaluation of the status of research on the effect of the optical quality of transparent aircraft panels on vision. 14p. 27cm. Dayton, 1946.
Forms No. TSEAA–696–93, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & Schachter, S. Visual effectiveness of low reflectance coatings applied to transparent areas of aircraft. 24 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–695–62, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Loucks, R. B. Legibility of aircraft instrument dials; the relative legibility of tachometer dials. 13p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj, No. 265, U. S. Air Force School Aviat. M.

—— Legibility of aircraft instrument dials; a further investigation of the relative legibility of tachometer dials. 7p. 27cm. Randolph Field, 1944.
Forms Rep. No. 2, Proj. No. 265, U. S. Air Force School Aviat. M.

—— Legibility of aircraft instrument dials; the relative legibility of various climb indicator dials and pointers. 15p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 286, U. S. Air Force School Aviat. M.

—— Legibility of aircraft instrument dials; the relative legibility of manifold pressure indicator dials. 11p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 325, U. S. Air Force School Aviat. M.

Smith, H. P. R. The design and display of pilots' instruments. 19p. 32½cm. Lond., 1948.
Forms F. P. R. C. No. 692, Gr. Britain Flying Pers. Res. Com.

Warrick, M. J., & Grether, W. F. The effect of pointer alignment on check reading of engine instrument panels. 33p. 27cm. Dayton, 1948.
Forms No. MCREXD–694–17, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Zielinski, E. J., & Jennings, J. W. Study of the design of a unit mounted personal equipment panel. 13 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–53–Z–1, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Jet propulsion.

Turner, J. M., Consolazio, W. V., & Gersh, I. Toxic gases from assisted take-off units (JATO) 6 l. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X–463, U. S. Nav. M. Res. Inst.

Jet air intake danger. Med. News Lett. Aviat. Suppl., Wash., 1947–48, **9**: No. 10, 4–7.—**Kendricks, E. J., & Gagge, A. P.** Aeromedical aspects of jet propelled aircraft. Bull. U. S. Army M. Dep., 1949, **9**: 497; 552; 660.—**Tosti, C. R., & Tuzen, J. B.** Jet propulsion. Sc. Month., 1949, **69**: 398–403, illust.

—— Noise.

Ghose, S. C. Comparative measurement of the noise spectra from piston and turbo-jet engines. 2p. 33½cm. Lond., 1949.
Forms F. P. R. C. No. 727a, Gr. Britain Flying Pers. Res. Com.

Peugnet, H. B. Measurements of noise in aircraft. 29p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 296, U. S. Air Force School Aviat. M.

Senturia, B. H., & Peugnet, H. B. Noise in aircraft. Air Surgeon Bull., 1945, **2**: 12.

—— Oxygen installations and equipment.

See also **Aircrew,** Oxygen supply; **Oxygen equipment; Oxygen generator.**

Heckerman, F. R. Low pressure oxygen hose assemblies, Flex-O-Tube Company, Part No. HA–9052. 2 l. 28cm. Dayton, 1949.
Forms No. MCREXD–660–109–B–1, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Hose assemblies, low pressure (for breathing oxygen) Flex-O-Tube Company, Part No. HA–9074. 2 l. 28cm. Dayton, 1950.
Forms No. MCREXD–660–109–E–1, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Weaver, H. S., & King, B. G. Field tests on oxygen systems for transport planes and additional physiological observations on flight from Patuxent River, Maryland to Port Lyautey, North Africa. 7p. 26½cm. Bethesda, 1944.
Forms Rep. No. 2, Res. Proj. X–239 (TED No. PTR 2516) U. S. Nav. M. Res. Inst.

Berner, F. W., & Good, D. R. Development of aircraft oxygen equipment by the USAF. J. Aviat. M., 1948, **19**: 2–11.—**Bullowa, J. G. M., & Ratish, H. D.** Oxygen enrichment. U. S. Patent Off., 1943, No. 2,310,277.—**Carlson, L. D.** A concise description of the demand oxygen system. Air Surgeon Bull., 1944, **1**: 14–7.—**Davidson, W. M.** Dual diluter demand oxygen regulator. U. S. Nav. M. Bull., 1944, **43**: 368–70.—**Deming, G. M.** Aircraft breathing regulator. U. S. Patent Off., 1943, No. 2,310,189.—**Evaluation** of the use of fixed oxygen installations in submerged aircraft. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 29.—**Fegler, J.** [Inhalators, used in aviation] Polski przegl. med. lot., 1937, **6**: 1–14.—**Ferguson, J. K. W.** The effectiveness of certain systems of oxygen supply. J. Aviat. M., 1946, **17**: 486–9.—**Fink, R., Tessman, J. R.** [et al.] Oxygen distribution system and regulator therefor. U. S. Patent Off., 1942, 2,306,382.—**Heim, J. W.** An oxygen and carbon dioxide analyzer and an oxygen flowmeter for use in aircraft compartments at high altitudes. J. Aviat. M., 1938, **9**: 144–9.—**Leaflet** for medical officers on

pressure breathing oxygen equipment. Gr. Britain Flying Pers. Res. Com., 1944, No. 628, 4–10.—**Lovelace, W. R.,** II, & **Gagge, A. P.** Personal equipment and oxygen equipment. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 24–41, illust.—**Martin, D. S.,** jr, **Nachtrieb, N. D.,** & **Seegmiller, J. E.** Inert gas eliminator for high altitude oxygen apparatus. U. S. Patent Off., 1948, No. 2,456,606.—**Matthews, B. H. C.** The general position of oxygen equipment in the R. A. F., Canada and the U. S. A. Gr. Britain Flying Pers. Res. Com., 1941, No. 366, 2–5. ——— The oxygen equipment position in Ferry Command. Ibid., 5. ——— Oxygen liquefier separator. Ibid., 1942, No. 424, 4.—**Oxygen** improvisations. Air Surgeon Bull., 1945, **2:** 43.—**Poppen, J. R.** Oxygen supply systems for military flying. Bull. N. York Acad. M., 1942, **18:** 102–11.—**Pressure** breathing equipment. Gr. Britain Flying Pers. Res. Com., 1944, No. 628, 1–3.—**Prikladovitsky, S.,** & **Gurvich, K.** [Oxygen apparatus in altitude flights] Voen. san. delo, 1936, 47–57.—**Rand, H. J.** Oxygen regulating device. U. S. Patent Off., 1942, 2,299,109.—**Savely, H. E.** Portable oxygen equipment. Air Surgeon Bull., 1944, **1:** No. 6, 21.—**Seeler, H.** Oxygen demand breathing system, including means for automatic altitude regulation. U. S. Patent Off., 1951, No. 2,552,595.—**Stettner, L. W.** Aeronautical oxygen regulator. Ibid., 1943, 2,308,124.—**Thomas, P. M.** Airplane oxygen system. Ibid., 1941, 2,266,939.

—— Pressure.

Cooper, J. B. Aircraft cabin pressure controller. U. S. Patent Off., 1943, 2,307,199.—**Gregg, D.,** & **Lawrence, D. M.** Pressure control system. Ibid., 2,309,064.

—— Prone position.

See also **Acceleration,** Protection: Position.

Amtmann, H. H. Proposal for a high performance prone position test airplane. 6p. 27cm. Dayton, 1948.
Forms No. MCREXD-695-72-D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Brown, C. W., Ghiselli, E. E. [et al.] Magnitude of forces which may be applied by the prone pilot to aircraft control devices; three-dimensional hand controls. 68 l. 26½cm. Dayton, 1949.
Forms No. MCREXD-694-4J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hertzberg, H. T. E., & Colgan, J. W. A prone position bed for pilots. 32p. 27cm. Dayton, 1948.
Forms No. MCREXD-695-71D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Swearingen, J. J. Determination of the most comfortable knee angle for pilots. 5p. 26½cm. Bethesda, 1949.
Forms Rep. No. 4, Res. Proj. NM 001 007 (or, X-651) U. S. Nav. M. Res. Inst.

—— Rocket.

See **Rocket.**

—— Sanitation.

See also below, **Aircrew,** Hygiene.

United States. Air Forces Board. Project No. 4671B725: Disinsectization of aircraft using DDT. 182p. 4° [Eglin Field] 1946.

Whittingham, Sir H. Disinsectization of aircraft and crazing of perspex windows. 2p. 33cm. Lond., 1949.
Forms F. P. R. C. No. 712, Gr. Britain Flying Pers. Res. Com.

Disinfestation of aircraft and aerodromes. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3:** 108–10.—**Disinsectization** of aircraft. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 75.—**Gordon, J. E.** Disinsectization of aircraft. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 8, 20.—**Lawlor, W. K.** Standardization of insecticide operations involving naval aircraft. Proc. N. Jersey Mosquito Exterm. Ass., 1948, **35:** 143–6.

—— Space.

See **Aircrew,** Space.

—— Spinning.

For references see under **Acceleration,** centripetal.

AIRCRAFT apprentice.

Stanbridge, R. H. The occupational selection of aircraft apprentices of the Royal Air Force. Proc. R. Soc. M., Lond., 1935–36, **29:** 1183–8. Also Lancet, Lond., 1936, **1:** 1426–30.

AIRCRAFT carrier.

Behnke, A. R., Houghten, F. C., & Pace, N. Report of an investigation of carbon monoxide concentration in the hangar space and ready room of escort aircraft carrier U. S. S. Natoma Bay (CVE–62) 11 l. 26½cm. Bethesda, 1943.
Forms Res. Proj. X-154-A, U. S. Nav. M. Res. Inst.

Behnke, A. R., Houghten, F. C. [et al.] CO tests aboard aircraft carrier; U. S. S. Card. 21p. 26½cm. Bethesda, 1943.
Forms Rep. No. 1, Res. Proj. X-154, U. S. Nav. M. Res. Inst.

—— CO tests aboard aircraft carriers; U. S. S. Cowpens. 7 l. 26½cm. Bethesda, 1943.
Forms Rep. No. 3, Res. Proj. X-154, U. S. Nav. M. Res. Inst.

—— Report on an investigation of carbon monoxide concentration in the hangar space and a ready room of aircraft carrier U. S. S. Franklin (CV–13) 15p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X-154-B, U. S. Nav. M. Res. Inst.

Behnke, A. R., Pace, N., & Consolazio, W. V. Report on the medical aspects of carbon monoxide concentrations aboard the aircraft carrier U. S. S. Block Island (CVE–106) 6p. 26½cm. Bethesda, 1945.
Forms Res. Proj. X-154-D, U. S. Nav. M. Res. Inst.

Consolazio, W. V., Pecora, L. J., & Pitts, G. C. An investigation of carbon monoxide concentration in the hangar space, ready rooms and other ship's compartments during warm-up tests on the aircraft carrier USS Midway (CVB–41) 21p. 26½cm. Bethesda, 1946.
Forms Res. Proj. X-154-E, U. S. Nav. M. Res. Inst.

McCay, C. M. Observations of the messing aboard an aircraft carrier, 20 January to 1 March 1945. 18p. 26½cm. Bethesda, 1945.
Forms Rep. No. 8, Res. Proj. X-184, U. S. Nav. M. Res. Inst.

Schiller, A. A. The visual aspects concerned with landing aircraft aboard carriers at night. 16p. 26½cm. Bethesda, 1948.
Forms Rep. No. 1, Res. Proj. NM 001 008, U. S. Nav. M. Res. Inst.

Hildebrand, P. F. Dental activities aboard an aircraft carrier. Mil. Surgeon, 1945, **96:** 485–9.—**McKay.** Bridge instrument lighting on H. M. S. Illustrious. Gr. Britain Flying Pers. Res. Com., 1942, No. 434, 5.—**Ocko, F. H.** Duties of a flight surgeon on an aircraft carrier. Contact, Pensacola, 1942, **2:** 15–7.—**Royer, C. A.** Remarks on duty with a Carrier Aircraft Service Unit. Ibid., 1944–45, **4:** 281–5.—**Shishov, A.** Avianosec. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 10–2.—**Smedal, H. A.** Carrier organization and operation. J. Aviat. M., 1945, **16:** 364–9.—**USS** Shangri-La (CV 38) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 13, App. B, 4.—**USS** Wasp (CV 18) Ibid., 3.—**Visual** (The) aspects concerned with landing aircraft aboard carriers at night. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 1.—**Yanquell, C. C.** Hygiene for aviation personnel in aircraft carriers. U. S. Nav. M. Bull., 1943, **41:** 43–8.

AIRCRAFT carrier warfare.

See also below, **Air warfare.**

Owsley, J. Q. Medical aspects of aircraft carrier warfare. Virginia M. Month., 1944, **71:** 4–8.

AIRCRAFT crashing.

See also **Accident; Aero-otitis; Anoxia,** Sequelae; **Flying,** Accident; **Injury,** accidental, Aircraft crash; **Survival kit.**

Bond, D. D. Psychopathologic reactions to aircraft accidents. 10p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 183, U. S. Air Force School Aviat. M.

Lovelace, W. R., II, & Gagge, A. P. Human stresses produced by crashing and ditching aircraft. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 22.—**Matthews.** Prevention of injury in aircraft crashes. Gr. Britain Flying Pers. Res. Com., 1944, No. 564, 4.—**Psychological** impact of aircraft accidents. Accid. Bull. (U. S. A. Air Forces) 1947, **3**: No. 2, 11–25. Also Med. Invest. Accid. Bull., 1947, **3**: No. 2, 11–25.

AIRCRAFT warning service.

See **Air defense, Reconnaissance; Spotting.**

AIRCREW.

See also **Bombardier; Flight personnel; War neurosis; Wound**—by branches of service: Air Force.

Collias, N. E., & Bachrach, W. H. Interrogation of combat veterans. 3 l. 26½cm. Dayton, 1945.

Forms No. TSEAL-3-697-15, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Henderson, V. E. Air crew in their element; hints for the maintenance of fitness and confidence. 35p. 19cm. Toronto, 1942.

Attitudes of aircrew personnel returned from combat toward further duty. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 16, 266–75.—**Kennard, W. J.** Aircrew maintenance; a problem of aviation preventive medicine. Mil. Surgeon, 1949, **104**: 336–41.—**Studies** in the acquisition and retention of aircrew skills. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 16, 255–65.—**Summary** and evaluation. Ibid., 276–89.

—— Escape.

Haas, G. A study of factors which operate against the successful escape of occupants from aircraft. 5p. 28cm. Wash., 1944.

Forms Rep. No. 307, Com. Aviat. M. U. S. Nat. Res. Counc.

—— [The same] 7 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 249, U. S. Air Force School Aviat. M.

—— Hygiene.

See also **Aircraft,** Noise; **Airsickness.**

Smith, P. K. Carboxyhemoglobin concentrations in personnel after flying P–40–N aircraft. 3p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 384, U. S. Air Force School Aviat. M.

Benjamin de Viveiros, L. A intoxicação pelos gazes do motor; problemas médico-higiênicos de aviação. Arch. brasil. med., 1940, **30**: 221–35.—**Goett, G.** Les principales intoxications auxquelles peut être exposé le personnel navigant des forces aériennes de terre et de mer. Rev. Serv. san. mil., Par., 1937, **107**: 397–412.—**Hygiene** in military aircraft. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 12, 16–9.—**Protection** of air crew against aircraft noise. Gr. Britain Flying Pers. Res. Com., 1940–45, 13.—**Tice, J. W.** Education of aircrew by medical officers. J. Aviat. M., 1945, **16**: 9, &c.

—— Oxygen supply.

See also **Aircraft** (Altitude cabin; Oxygen installations) **Altitude,** Respiratory aspect; **Anoxia; Oxygen equipment; Oxygen generator; Oxygen mask.**

Bateman, J. B. Tracheal versus alveolar air; a review of the methods of selecting certain physiological data bearing on the design of oxygen supply system for aviators. 15p. 28cm. Wash., 1943.

Forms Rep. No. 222, Com. Aviat. M. U. S. Nat. Res. Counc.

Bennett, M. Oxygen consumption of aircrew in combat, Report No. 2. 7p. 27cm. Dayton, 1945.

Forms No. TSEAL-3-660-48-H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Burns, H. L. Italian automatic continuous flow oxygen regulators. 7 l. 27cm. Dayton, 1944.

Forms No. ENG-49-447-31-D., Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— The effect of the type A–3 oxygen flow indicator installation, on oxygen consumption of Pioneer type A–12 diluter demand regulators. 7 l. 27cm. Dayton, 1944.

Forms No. ENG-49-660-52-E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Carlson, L. D. Studies on various types of male quick disconnects. 8 l. 28cm. Dayton, 1944.

Forms No. ENG-49-660-55, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Clarke, R. W., Bloom, W. L. [et al.] Observations on the F. W. B. oxygen recirculator. 5 l. 28cm. Wash., 1944.

Forms No. 25, Rep. Yale Aeromed. Res. Unit.

Gemmill, C. L., Steele, J. M. [et al.] Comparative testing of oxygen equipment. 49p. 28cm. Wash., 1943.

Forms Rep. No. 191, Com. Aviat. M. U. S. Nat. Res. Counc.

Hart, D. V., & Bachrach, W. H. Use of oxygen equipment as reported by fighter pilots. 5 l. 26½cm. Dayton, 1945.

Forms No. TSEAL-3-697-41, Memo. Rep. Aero M. Laborat. U. S. Air Force.

King, B. G., Futcher, P. H., & Pecora, L. J. Study of British bail-out oxygen equipment. 14p. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–216, U. S. Nav. M. Res. Inst.

Millikan, G. A. A suggested oxygen supply system for airplane crews. 13p. 28cm. Wash., 1941.

Forms Rep. No. 6, Com. Aviat. M. U. S. Nat. Res. Counc.

Natwick, J. W., jr. Oxygen disconnect assembly. 3 l. 28cm. Dayton, 1950.

Forms No. MCREXD-660-120-G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Shelesnyak, M. C., Whaley, R. V., & Goldman, D. E. Physiological evaluation of U. S. Army Air Forces H–2 bail-out oxygen equipment. 7p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–440, U. S. Nav. M. Res. Inst.

Sweeney, A. R., jr. The efficiency of the FWB aviation oxygen recirculator. 8p. 28cm. Wash., 1943.

Forms Rep. No. 223, Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. Technical order (T. O.) No. 03–50–1: Use of oxygen and oxygen equipment [Revised] 53p. 27½cm. S. Louis, 1944.

Weatherby, J. H., & Burt, A. S. Peak rates of oxygen flow from oxygen supply systems. 13 l. 26½cm. Pensacola, 1945.

Forms Rep. No. 3, Proj. No. X–324, Res. Rep. U. S. Nav. School Aviat. M.

—— Peak rates of oxygen flow from oxygen supply systems; frequency of simultaneous inspirations in a group of ten subjects. 13 l. 26½cm. Pensacola, 1945.

Forms Rep. No. 5, Proj. No. X–324, Res. Rep. U. S. Nav. School Aviat. M.

Winfield, R. H. Exercise Musk-Ox; the medical aspects of air supply. 10 l. 33cm. Lond., 1947.

Forms F. P. R. C. No. 685, Gr. Britain Flying Pers. Res. Com.

Wulff, V. J., & Bennett, M. Oxygen expenditure by aircrew in combat. 12 l. 27cm. Dayton, 1945.

Forms No. TSEAL-3-660-83C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Air fighters should tank up on oxygen before ascents. Science News Lett., 1940, **37**: 12.—**Apollonov, A., & Miroliubov, V.** [Oxygen supply in flights at various altitudes during rest and work] Voen. san. delo, 1937, No. 4, 8–12.—**Benzinger, T.** Die Regulierung der Ventilationsgrösse. Luftfahrtmedizin,

1939–40, 4: 42–50.—**Clamann, H. G., & Hartmann, H.** Die Abkühlung des Aortenblutes bei Beatmung mit Kaltluft und deren Einfluss auf das Sauerstoffbindungsvermögen. Ibid., 1936–37, 1: 292–300.—**Gagge, A. P., & Allen, S. C.** Pressure breathing. Air Surgeon Bull., 1944, 1: No. 9, 1–4.—**Gemmill, C. L.** The use of liquid oxygen for altitude flying. Contact, Pensacola, 1943–44, 3: 263–5.—**Goett.** L'oxygénothérapie et son emploi pratique dans les troupes en campagne: oxygène et aviation. Proc. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 257.—**Grayson-Smith, H., & Findlay, J. C.** Liquid oxygen in aircraft. Chem. Rev., Balt., 1946, 39: 397–402.—**Improvement** of the oxygen supply in aircraft. Gr. Britain Flying Pers. Res. Com., 1940–45, 28–34.—**Oxygen** discipline. Air Surgeon Bull., 1944, 1: No. 3, 24.—**Physiological** evaluation of U. S. Army Air Forces H-2 bail-out oxygen equipment. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 37.—**Pressure** breathing equipment instructions for aircrew. Gr. Britain Flying Pers. Res. Com., 1944, No. 628, 11–24. illust

—— **Selection.**

See with **Aviator, Selection.**

—— **Space.**

See also **Aircraft** (Design; Space) **Human engineering.**

King, B. G., Vollmer, E. P. [et al.] Measurements of aircrewmen and aircrew spaces in naval aircraft. 12p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–651, U. S. Nav. M. Res. Inst.

Vollmer, E. P., Henson, M. [et al.] Freedom of movement and performance of aircrewmen in relation to aircraft space and size of the man. 14p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–651, U. S. Nav. M. Res. Inst.

Freedom of movement and performance of aircrewmen in relation to aircraft space and size of the man. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 38.—**Measurements** of aircrewmen and aircrew spaces in naval aircraft. Ibid., 37.

AIR defense.

See also other headings of Military Section as **Air raid; Antiaircraft; Civilian defense; Defense; Gas warfare; Hospital administration,** Protection; **Shelter; Spotting.**

Doering, W. Luftschutz und Gasschutz; Merkbuch für den Wehrfähigen. 48p. 18° Bresl., 1934.

Gasschutz und Luftschutz. Berl., v.7, 1937–

Germany. Luftwaffe [Luftwaffen-Druckvorschrift] L. Dv. 410/7: Luftschutzdienst in Unterkünften, Anstalten und Anlagen der Wehrmacht. Anlage 7: Baulicher Luftschutz in Lazaretten, Krankenhäusern, Heil- und Pflegeanstalten. 25p. 17cm. Berl., 1938.

Great Britain. Home Office. Air raid precautions. Memorandum. Lond., No. 1, 1935–

[International] Conférence technique internationale des secours aériens [1. Conf., Budapest, June 11–14, 1937] Comptes rendus. 42 l. 26½cm. Par., 1937.

Kalass, W. Luftschutz-ABC; eine kurze Darstellung der Aufgaben und der Organisation des zivilen Luftschutzes. 48p. 16° Lpz., 1935.

United States. Strategic Bombing Survey. Field report covering air-raid protection and allied subjects in Nagasaki, Japan. 133p. 25½cm. Wash., 1947.

Forms No. 5 of its Reports, Pacific War.

—— Final report covering air-raid protection and allied subjects in Japan. 243p. 26cm. Wash., 1947.

Forms No. 11, of its Reports, Pacific War.

—— Civilian Defense Division final report. 2. ed. v. p. [289]p. illust. tab. ch. 26½cm. Wash., Gov. Print. Off., 1947.

Forms No. 40 of its Reports, European war.

Wessman, H. E., & Rose, W. A. Aerial bombardment protection. 372p. 23½cm. N. Y., 1942.

Wirth, F., & Muntsch, O. Die Gefahren der Luft und ihre Bekämpfung im täglichen Leben, in der Technik und im Krieg. 3. Aufl. 287p. 24cm. Berl., 1940.

Air-raid warning for denture wearers. N. York J. Dent., 1942, 12: 23.—**Andreev, F. F.** [Methods of rational use of surgical instruments in the surgical stations of the aerial defense] Khirurgia, Moskva, 1939, No. 2–3, 58–61.—**Anschütz.** Ueber Organisation und Transport im Luftschutzsanitätsdienst. Münch. med. Wschr., 1939, 86: 1715–20. Also Deut. Aerztebl., 1940, 70: 265–7.—**Civil** Air Patrol. Air Pilot & Technician, 1943, 30: No. 4, 20–3 (clipping).—**Droege, H.** Der Luftschutz im Rahmen der Kriegführung. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 1–17.—**Flood, W. J.** Chemical protection of air force. Chem. Warf. Bull., 1940, 26: 50–6.—**Hancock, A. C., & Forsythe, T. R.** Air-raid precautions in a mental hospital. Lancet, Lond., 1938, 1: 589–91.—**Hardenberg.** Der Luftschutz der Kulturgüter des deutschen Volkes. Gasschutz, 1942, 12: 215–20.—**Hötzl, H. A.** Der Luftschutzsanitätsdienst bei der Truppe. Ibid., 1943, 13: 47.—**Kipnis, A. B.** [Problems and place of the physician in air defence] Vrach. delo, 1938, 20: 975–8.—**Krylov, S.** Voiska protivovozdushnoi oborony. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 985–9.—**Mann, W. L.** First international technical conference on aerial relief. Flight Surgeon Topics, 1937, 1: No. 4, 9–10.—**Michael, J.** Die Verwaltungsanordnungen zur Sicherung wertvollen Schriftgutes im Werkluftschutz. Gasschutz, 1942, 12: 233–7.—**Pérignon, R.** Soldatsein und Luftschutz. Ibid., 1943, 13: 63.—**Ray, K. S.** Air-raid precautions and medical men. J. Ind. M. Ass., 1942–43, 12: 319.—**Rickman, J.** The mental aspects of A. R. P. In: War Wounds (Brit. M. J.) Lond., 1939, 167–72.—**Smith, S. B.** Air raids and protective construction. Mil. Engin., 1941, 33: 287–93.—**Tanaka, H.** Kessen-ka no bōkū to kōkū-igaku [The air defense (in) the decisive battle and aeronautic medicine] Senzi igaku, 1944, 1: 5–7.—**Vespermann.** Der Arzt im Luftschutz. Deut. med. Wschr., 1937, 63: 1163.—**Waitt, A. H.** Protection against air chemical attack and civil protection. In his Gas Warfare, N. Y., 1942, 240–54, pl.—**Wiedner, H.** Ueber Organisation und Transport im Luftschutzsanitätsdienst. Münch. med. Wschr., 1940, 87: 624.

—— **atomic.**

See **Atomic warfare,** Defense.

AIRDROME.

See **Airport.**

AIR evacuation.

See also **Air ambulance; Air Transport Service; Air travel; Evacuation; Wars and campaigns.**

Air evacuation. J. R. Army M. Corps, 1948, 91: 43–5. Also Med. Bull. U. S. First Army, 1948, 3: 3.—**Argüelles, A. E.** El transporte aéreo de enfermos. Prensa méd. argent., 1950, 37: 283–5.—**Baker, D. M., McClelland, R. S., & Aitken, A. J.** Notes on air evacuation. J. R. Army M. Corps, 1945, 85: 164–72.—**Bandeira de Mello, N.** O transporte aéreo de doentes e feridos. Rev. med. mil., Rio, 1940, 29: 174–9.—**Cendali, G.** Feriti di guerra e loro trasporto aereo. Ann. med. nav., Roma, 1941, 47: 428–37.—**Dixon, F.** Transport of casualties by air. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 208–12.—**Drăgan, I.** Aviația sanitară în rasboiul modern. Rev. san. mil., Bucur., 1934, 33: 363–70.—**Evacuation** of casualties by aeroplane. Brit. M. J., 1935, 2: 454.—**Evacuation** of wounded by air. Lancet, Lond., 1943, 1: 562.—**Gallouin.** Bibliographie sommaire concernant l'évacuation sanitaire par la voie aérienne. Méd. aéronaut., 1946, 1: 322–36.—**Garrote Vega, M.** Evacuación en avión de heridos y enfermos. Gac. méd. españ., 1947, 21: 413–6.—**Glynn, A. S.** The transport of casualties by air. J. R Army M. Corps., 1938, 71: 73–86. Also Flight Surgeon Topics', 1939, 3: 1–11. Also In: Org. Strat. & Tact. Army M. Serv. War (Nicholls, T. B.) Lond., 2. ed., 1940, p. 210–7.—**Grant, D. N. W.** Air evacuation. Mil. Surgeon, 1944, 94: 80–2.—**Guilford, F. R., & Soboroff, B. J.** Air evacuation; an historical review. J. Aviat. M., 1947, 18: 601–16.—**Hall, W. F., & Nolan, J. D.** Advantages of air transportation of patients. U. S. Armed Forces M. J., 1950, 1: 115–8.—**Harrison, E. F.** Evacuation of sick and wounded via air. Flight Surgeon Topics, 1937, 1: No. 4, 32–7.—**Hippke, E.** Ueber den Lufttransport Kranker und Verwundeter. Deut. Militärarzt, 1940, 5: 1–4. Also Mil. Surgeon, 1940, 86: 439–44.—**Holbrook, P.** Air evacuation. Arizona M., 1944, 1: 119.—**Kirk, N. T.** Air evacuation of wounded. Mil. Rev., Fort Leavenw., 1946–47, 26: No. 10, 27–33.—**Leibowitz, S.** Air evacuation of sick and wounded. Mil. Surgeon, 1946, 99: 7–10.—**Lovelace, W. R., II.** Transportation of patients by airplane. Proc. Mayo. Clin., 1941, 16: 221–3. ——— & **Gagge, A. P.** Research in air evacuation. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 62–6, illust.—**Lovelace, W. R., II, & Hargreaves, J.**

Transportation of patients by airplane. J. Aviat. M., 1942, **13**: 2–25.—**Marr, D. J.** Evacuation of wounded by air. Lancet, Lond., 1943, **2**: 144 —**Meiling, R. L.** Air evacuation. J. Aviat. M., 1944, **15**: 93–7. Also Mil. Surgeon, 1944, **94**: 143–6.—**Mendonça Castro.** A aviação sanitária e o transporte em avião. Impr. med., Rio, 1943, **18**: No. 354, 94–8.—**Niedźwirski, E.** Ewakuacja lotem rannych i chorych. Lek. wojsk., 1945, **36**: 75–9.—**Oliver, A. G., & Robinson, H. C., jr.** Domestic air transportation of patients. Air Surgeon Bull., 1945, **2**: 400.—**Patients** moved by air. Bull. U. S. Army M. Dep., 1944, No. 78, 7.—**Pletcher, K. E.** Newer concepts with reference to the movement of the sick and wounded by air. Mil. Surgeon, 1949, **104**: 344–8.—**Richardson, G. S.** Air evacuation. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 23, 23–6.—**Schmidt, F.** Verwundetentransport im Flugzeug. Deut. Militärarzt, 1940, **5**: 7–10. Also Mil. Surgeon, 1940, **87**: 136–41.—**Steinberg, M. M.** Evacuation of patients by air. Mil. Rev., Fort Leavenw., 1942–43, **23**: No. 8, 42.—**Verkhovsky, I. M.** Primenenie aerosanei v sanitarnoi evakuacii. Vocn. san. delo, 1941, No. 9, 65–72.—**Wells, H. V.** The evacuation of sick and wounded by air. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 29–40.—**Whittingham, H. E.** Air transport of casualties. In: Interallied Conf. War Med. (1942–45) 1947, 32–6.—**Will, G. W.** S.W.1. J. R. Army M. Corps, 1939, **73**: 161–5.—**Winter, S.** The air transport of sick and wounded. Harefuah, Tel Aviv, 1948, **34**: 86 [Hebrew text]

—— Combat zone.

Air evacuation of casualties. Bull. U. S. Army M. Dep., 1944, No. 83, 21.—**Anikin, I., & Sergeev, A.** [Aero-evacuation during war] Voen. san. delo, 1937, No. 11–12, 48–58.—**Banaitis, S.** [Evacuation of wounded from battle field by airplanes] Ibid., 1936, 14–8.—**Barnes, S. R.** Air evacuation of casualties from combat areas. Contact, Pensacola, 1943–44, **3**: 227–34.—**Brim, J. R.** Evacuation of casualties by air transport. Hosp. Corps Q., 1945, **18**: 8–10.—**Ernst, M.** Przygotowanie rannego do transportu samalotem z linji frontu do szpitala. Lek. wojsk., 1942, **34**: 244 (Abstr.)—**Grant, D. N. W.** Airplane ambulance evacuation. Mil. Surgeon, 1941, **88**: 238–43. ——— A review of air evacuation operations in 1943. Air Surgeon Bull., 1944, **1**: No. 4, 1–4. ——— Air evacuation of one million patients; review of operations to VE-day. Ibid., 1945, **2**: 334–6.—**Halbouty, M. R., Puppel, A. D., & Bybee, C. E.** Air evacuation in the combat zone. Ibid., 337.—**Kaktysh, P. I.** [The work of medical aviation at the front] Voen. san. delo, 1942, No. 10, 52–7.—**Meiling, R. L.** Wings for the wounded. Air Force, 1943, **26**: No. 12, 21; 53 (clipping)

—— Effect, and clinical aspect.

DUFF, F. L., PLETCHER, K. E., & CUTLER, S. J. An analysis of the effects of aerial transportation on patients. 11p. 25½cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 21-02-035, U. S. Air Force School Aviat. M.

LANGFORD, W. S. Air evacuation of psychotic patients. 5p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 457, U. S. Air Force School Aviat. M.

Banaitis, S. [Medical indications and contraindications for aero-evacuation of the wounded] Voen. san. delo, 1936, 19–31.—**Barinstein, L. A., Babskij, A. A., & Rosenberg, S. P.** Ueber Erweiterung der Indikationen für den Sanitätsflugtransport. Deut. Militärarzt, 1940, **5**: 501 (Abstr.)—**Castex, M. R., Orosco, G., & Capdehourat, E. L.** Transporte aereo de heridos de torax y abdomen; sus ventajas. Rev. san. mil., B. Air., 1940, **39**: 221–3. Also War Med., Chic., 1942, **2**: 522 (abstr.)—**Duff, F. L.** Physical factors in air evacuation. Bull. U. S. Army M. Dep., 1947, **7**: 860–8.—**Escudero, E.** Contraindicaciones médico-quirúrgicas del transporte en aviones sanitarios. Rev. san. mil., Madr., 1935, **25**: 259–70.—**Greene, R.** Air transport flying from the medical standpoint. J. Aviat. M., 1939, **10**: 12–30.—**Hippke.** Zur Frage des Verwundetentransportes auf dem Luftwege. Deut. Militärarzt, 1936, **1**: 300–2.—**Kowalzig, H.** Verwundetentransport auf dem Luftwege über weite Strecken und in grossen Höhen. Ibid., 1940, **5**: 10–4. Also Mil. Surgeon, 1940, **86**: 565–71.—**Lo Monaco Croce, T.** Le controindicazioni al trasporto di ammalati e feriti a bordo di velivoli. Riv. med. aeronaut., 1949, **12**: 219–36.—**Lovelace, W. R., II, & Hinshaw, H. C.** Aerial transportation of patients with special reference to traumatic pneumothorax, diaphragmatic hernia and mediastinal emphysema. War Med., Chic., 1942, **2**: 580–5.—**Owston, A. V.** Air evacuation; clinical aspects. J. R. Army M. Corps, 1949, **93**: 80–4.—**Pletcher, K. E.** Effect of air evacuation upon clinical states. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 20; 1948, Jan., 36; Apr., 43.—**Sawicz, W.** [Indications for and against transportation by planes] Lek. wojsk. 1937, **29**: 695–702.—**Schaeffer, J. N.** Deaths in air evacuation. J. Aviat. M., 1948, **19**: 100–7.—**Skoda, E.** A mellkaslövött sérültek légi úton való kiürítési problémái. Honvédorvos, 1952, **4**: 307.—**Tillisch, J. H., Stotler, J. F., & Lovelace, W. R., II.** Study of the effects of airplane transportation of 200 patients. J. Aviat. M., 1943, **14**: 162–72.—**Tönnis, W.** Der Lufttransport von Verwundeten und Kranken als ärztliches Problem. Deut. Militärarzt, 1940, **5**: 5–7. Also, Mil. Surgeon, 1940, **87**: 22–5.—**Tuffier, T.** Reflections of a surgeon on the use of aeroplanes in surgical cases. Off. Rep. Internat. Congr. Mil. Med. & Pharm., 1929, 5. Congr., 66–9.

—— Laws and regulations.

Julliot, C. L. Quelques précisions relativement au nouveau projet de convention additionnelle à la Convention de Genève du 27 juillet 1929, concernant l'emploi des aéronefs sanitaires en temps de guerre. Rev. internat. Croix Rouge, 1936, **18**: 177–203.

—— Nursing.

Baran, A. M. Nursing care of casualties in long distance air evacuation. Am. J. Nurs., 1946, **46**: 104–6.—**Bierman, H. R.** A suggested method for simultaneous intubation and oxygen administration in aerial transportation. U. S. Nav. M. Bull., 1943, **41**: 1417–20.—**Lazaro, A. R.** The role of the flight nurse in air evacuation. Mil. Surgeon, 1949, **105**: 60–4.—**Purvis, E. G.** Nursing in air evacuation. Ibid., 1947, **100**: 165–8.—**Range, R. W.** Hygienische Fragen beim Kranken- und Verwundetentransport mit dem Flugzeug. In: Wehrhygiene (Handloser, S.) Berl., 1944, 509–12.—**Stakeman, G. H.** Air evacuation nursing. Mil. Surgeon, 1947, **101**: 45–50.

—— Organization.

Air evacuation by the AAF. J. Am. M. Ass., 1945, **127**: 525.—**Air** evacuation training. Hosp. Corps Q., 1945, **18**: No. 5, 26.—**Berlin, P. B.** Zadachi sanitarnoi sluzhby aviacionnoi chasti. Voen. san. delo, 1941, No. 3, 62–6.—**Casualty** air evacuation in Italy. Mil. Rev., Fort Leavenw., 1942–44, **23**: No. 12, 67.—**Evacuation** of wounded and transportation of hospitals by airplane. J. Am. M. Ass., 1943, **122**: 877.—**Ginsburg, D.** Medical air evacuation in the Army Air Forces. Mil. Surgeon, 1946, **99**: 204–10.—**Henning, B. H.** The air-holding unit. Ibid., 1949, **104**: 253–9.—**Herbert, W. N.** Evacuation of wounded from military aircraft. Air Surgeon Bull., 1945, **2**: 61.—**Keynes, G.** Reception and disposal of air-borne casualties. In: Interallied Conf. War Med. (1942–45) 1947, 441–6.—**Mayer, W. V.** Casualty loading procedures for large cargo planes. Air Surgeon Bull., 1944, **1**: No. 10, 14.—**Meiling, R. L.** Organized air evacuation service of the Army Air Forces. Ohio M. J., 1944, **40**: 434–6.—**Nonamker, E. P.** The work of the air evacuation section overseas. Nova Scotia M. Bull., 1946, **25**: 196.—**Pletcher, K. E.** Suggested plan for the air evacuation of casualties. J. Aviat. M., 1949, **20**: 62–4.—**Pollard, J. P.** Experiences of a medical officer in the air transport of patients by the Naval Air Transport Service. U. S. Nav. M. Bull., 1947, **47**: 1000–4. ——— **Yood, N. L., & McWilliams, J. G.** Transportation of patients by Naval Air Transport Service. Ibid., 1945, **44**: 1213–20.—**Robinson, G. E.** Air evacuation procedures. Hosp. Corps Q., 1945, **18**: 61–6.—**Shmelev, A. A.** Organizacia medicinskoi pomoshchi v aviacii v osobykh geograficheskikh usloviiakh. Voen. med. J., 1946, No. 1–2, 34–8.—**Shoshin, A.** Evakuacüa ranenykh samoletami iz glubokogo tyla protivnika. Voen. san. delo, 1940, No. 10, 53.—**White, M. S.** The air evacuation of ground force troops. Mil. Surgeon, 1947, **101**: 99–109.

—— by countries.

Bauer, F. On sick-transport by aeroplane in Sweden. Off. Rep. Internat. Congr. Mil. Med. & Pharm., 1929, 5. Congr., 61–5.—**Beförderung** Schwerverwundeter aus der Kampfzone nach den Heimatlazaretten durch Fliegerambulanzen in den USA. Mil. Wbl., Berl., 1936–37, **121**: 1867.—**Bentzen, H.** Kort orientering om den medisinske del av redningstjenesten ved luftforsvarets stasjoner. Norsk tskr. mil. med., 1948, 29–32.—**Bocalandro, C. A., & Lavezzo, P.** Socorros aéreos. Rev. san. mil., B. Air., 1941, **40**: 706–18.—**Evacuation** of an R. A. F. hospital. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, 92–4.—**Federici, R.** Il servizio soccorso aereo. Riv. med. aeronaut., 1949, **12**: 394–9, 2 pl.—**Heckenroth.** L'aviation sanitaire à Madagascar. Ann. méd. pharm. col., Par., 1937, **35**: 224–6.—**Hug, V.** Bergung von Verwundeten und Kranken auf dem Luftweg im Gebirge. Vjschr. schweiz. Sanitätsoff., 1947, **24**: Spec. No., 112–20.—**Huszcza, A.** Obecny stan lotnictwa sanitarnego w Polsce i warunki jego dalszego rozwoju. Lek. wojsk., 1933, **21**: 890–900.—**Jakobsson, S.** Flygtransporter av krigsskadade. Tskr. mil. hälsov., 1949, **74**: 1–10.—**Krzyczkowski, Z.** Stan dzisiejszy i rozwój lotnictwa sanitarnego w Polsce. Lek. wojsk., 1929, **13**: 186–96.—**Mereu, R.** Aviotrasporti sanitari. Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 55–73.—**Navy** inaugurates coast to coast airplane ambulance service for wounded and sick. J. Am. M. Ass., 1944, **125**: 283.—**Pivovarov, M.** Aviacia sanitarnaia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 25–34, pl. ——— Samolet sanitarnyi. Ibid., **4**: 1306–8, 2 pl.—**Sauvaget, J. F. M.** L'aviation sanitaire au Levant depuis ses débuts. Rev. Serv. san. mil., Par., 1939, **110**: 75–98.—**Schickelé, M. J. A.** L'aviation sanitaire dans la guerre moderne. Arch. méd. pharm. mil., 1932, **96**: 9–51. ——— L'aviation sanitaire sur les T. O. E. et dans l'Afrique du Nord en 1935. Rev. Serv. san. mil., Par., 1936, **105**: 795–8. ——— L'aviation sanitaire dans l'Afrique du Nord et au Levant en 1938. Ibid., 1939, **111**: 951–9.—**Westerberg, E.** [Aviation in the transportation of sick and

wounded] Tskr. mil. hälsov., 1935, **60**: 105–22. ——— L'organisation de l'aviation sanitaire en Suède. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 347–56. Also Deut. Militärarzt, 1940, **5**: 441 (Abstr.)—**Zhilkin, K. N.** Iz opyta raboty sanitarnoi aviacii na N-skom fronte. Voen. med. J., Moskva, 1947, No. 4, 26–9.

AIRFIELD.

See also **Airbase**; **Airport.**

Gerathewohl, S. S., & Haber, H. 1. A study of runway markings. 2. A proposed runway identification lighting system. 4p. 26cm. Randolph Field, 1949.

Forms Rep. No. 2 & 3, Proj. No. 21-02-007, U. S. Air Force School Aviat. M.

Jennings, A. L., Haber, H., & Gerathewohl, S. A study of runway markings. 14p. 26½cm. Randolph Field, Tex., 1947.

Forms Rep. No. 1, Proj. No. 512, U. S. Air Force School Aviat. M.

Haber, J., & Gerathewohl, S. A study of runway markings as to color and pattern to determine maximum visual perception and orientation through fog and haze. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 41; 1949, Jan., 9.—**Miller, J.,** jr. Construction and defense of the airfield. In: U. S. Army in World War II, Wash., 1949, **2**: 83–90, illust.

AIR Force.

See also various other headings in Military Section such as **Clothing,** Air Force; **Convalescent**; **Injury**—by branch of service; **Wound**—by branch of service.

Cuneo, J. R. Winged Mars, v.1: The German air weapon, 1870–1914. 338p. 24cm. Harrisb., Pa., 1942.

Germany. Luftwaffe. [Luftwaffen-Druckvorschrift] L. Dv. Berl., No. 43a, 1941–

India. Army. Medical Directorate. Categorisation and disposal of other ranks of the Royal Indian Air Force on discharge from hospitals or convalescent depots. p.2–3. 25cm. Delhi, 1945.

Forms No. 258, Admin. Instr. M. Dir. Army India.

Antezana Villagran, J. Criterios para la organización de las fuerzas aéreas. Rev. mil., La Paz, 1942, **6**: 351–6.—**Mugica G., D.** Desarrollo de la aviación y la fuerza aérea. Rev. mil., B. Air., 1942, **42**: pt 2, 463–75.—**Pardo, L.** A study of eliminations during aviation training for service in the Philippine Air Corps. Flight Surgeon Topics, 1938, **2**: 146–9.—**Shishov, A.** Voenno-vozdushnye sily. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 858–68.

—— United States.

See also **Morbidity**; **Venereal diseases**—by countries; **World War II,** U. S. Air Force.

United States. Army Air Forces. Organization and functions. [85] l. 28x43cm. Wash., 1943.

—— Report of the Commanding General of the Army Air Forces to the Secretary of War. Balt., v.**3**, 1945–

United States War Department. Air Corps. News letter. Wash., v.**18**, 1935–

Flanagan, J. C. Scientific development of the use of human resources; progress in the Army Air Forces. Science, 1947, **105**: 57–60.—**Kirtland, R. C.** Graph showing probable trend of ability of air corps officers along the lines of flying, tactics, administration, command, and military experience. Flight Surgeon Topics, 1937, **1**: No. 3, 79–83.

AIR Force Medical Service.

See also the following other section headings: **Dental care**; **Dental Corps**; **Dental officer**; **Dental service**; **Flight surgeon**; **Hospitalization**; **Journalism**; **Medical care**; **Neuropsychiatric examination**; **Neurosis**; **Psychiatry**; **Surgeon General's Office**; **Veterinary medicine.**

Alksnis, J. I. [Problems of medical service in aviation] Voen. san. delo, 1937, No. 4, 6–8.—**Thulliez.** Le service médical de l'aéronautique. Arch. belges Serv. san. armée, 1938, **91**: 145–68.—**Tuttle, A. D.** An airline medical department. Flight Surgeon Topics, 1939, **3**: 66–87.

—— by countries.

Delgadillo, J. R. La organización sanitaria militar en aeronáutica. Rev. san. mil., La Paz, 1938, **4**: 584–8.—**Gentry, T. C.** The medical service of the American Volunteer Group. Mil. Surgeon, 1943, **92**: 491–4.—**Huszcza, A.** Organización de un rápido socorro quirúrgico en el frente por medio de una flotilla sanitaria aérea. Cong. internac. med. farm. mil., 1933, 7. Congr., **2**: 99–102.—**R. C. A. F.** safeguards its warbirds. Canad. Hosp., 1944, **21**: No. 8, 34–6.—**Royal** (The) New Zealand Air Force medical service. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, 94–7.—**Ryan, R. W.** Medical aspects of the Air Force. Canad. M. Ass. J., 1940, **43**: 316–20.—**Serviço** de Saúde do Exército ao Serviço de Saúde da Aeronáutica. Rev. med. mil., Rio, 1942, **31**: 224–7.—**Surgical** organization in the R. C. A. F. J. Canad. M. Serv., 1946–47, **4**: 86–9.—**Tice, J. W.** Medical problems in the RCAF. J. Aviat. M., 1943, **14**: 4–9.—**Tolun, Z., & Akyıldız, H.** Askerî hava hekimliği. Askerî sıhhiye mecmuası, 1946, **75**: No. 47, 1–18.—**Zivković, Z.** [Health service aviation] Voj. san. glasnik, 1938, **9**: 390.

—— by countries: Germany.

Benzinger, T. The Medical Department of the Erprobungsstelle der Luftwaffe, Rechlin, 1934–44. 8 l. 27cm. Heidelb., 1946.

Forms No. 02-46-15, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Germany. Luftwaffe. Sanitätsbericht. Berl. (1937/38) 1939–

Great Britain. Flying Personnel Research Committee. F. P. R. C. 384. Medical services in the German Air Force. 2 l. 23½cm. Lond. [1941?]

Photoprint.

Hippke, E. Organisation des Sanitätswesens bei der Fliegertruppe. Luftfahrtmed. Abh., 1936–37, **1**: 135. Also Bol. Dir. serv. saúde mil., 1942, **5**: 5–8.—**Strughold, H.** The aviation medicine organization of the Luftwaffe. CIOS Rep., Lond., 1945, Item 24, No. XXIII-10, 3–6.—**Vespermann.** Die Tätigkeit des Sanitätsoffiziers im Luftschutzsanitätsdienst. Deut. Militärarzt, 1938, **3**: 368.

—— by countries: Great Britain.

India. Army. Medical Directorate. Medical boards; R. A. F. and Dominion personnel, and allied personnel serving with the R. A. F. p.2. 25cm. Delhi, 1945.

Forms No. 292, Admin. Instr. M. Dir. Army India.

Coleman, R. Los especialistas médicos atienden con esmero a los miembros de la RAF. Medicina, Habana, 1944, **2**: No. 11, 10–3.—**Fleet** air arm; medical instructions. J. R. Nav. M. Serv., 1940, **26**: 90–102.—**Kazii, T.** Eikoku kūgun no izi eisei ni tuite [On hygiene in the English Air Service] Gun idan zassi, 1929, No. 191, 695–710.—**Leedham, C. L.** Shortage of medical officers in British services. Flight Surgeon Topics, 1937, **1**: No. 4, 10–2.—**Mathewson, F. A. L.** A review of th activities f the RCAF Medical Service. J. Aviat. M., 1944 **15**: 186–9. **Medical** branch of the Royal Air Force. Lancet, Lond. 1936 **2**: 530–2; 1937, **2**: 538–40; 1938, **2**: 514–6.—**Mortimer, R.** The Royal Air Force medical services in wartime. Med. Press, Lond., 1948, **219**: 53–9.—**RAF** Medical Services and their contribution to the war effort. Air Surgeon Bull., 1944, **1**: No. 9, 23.—**These** forms; 10,000,000 odd cards have been amassed by Air Ministry Medical Records since the R. A. F. was formed in 1918. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 102.—**Whittingham, H. E.** Royal Air Force medical organization. In: Interallied Conf. War Med. (1942–45) 1947, 25–8.

—— by countries: Poland.

See also above, **Aeromedicine.**

Fiumel, A. The Polish air force medical service. Polish Sc. & Learn., Oxf., 1944, No. 4, 30–4. ——— Służba zdrowia w lotnictwie polskim, 1928–1939. Lek. wojsk., 1945, **36**: 7–17.—**Huszcza, A.** Medycyna na usługach lotnictwa. Ibid., 1929, **13**: 51–63.

—— by countries: Sweden.

Sweden. Flygförvaltningen. Flygstyrelsen. Hälso- och sjukvård vid flygvapnet. Stockh. (1931) 1932–(1942) 1943.

Bound with: Hälso- och sjukvård vid armén, Arméförvaltningen, Sjukvårdsstyrelsen. For continuation see: Hälso- och sjukvård vid försvaret och Veterinärvård, Statistiska centralbyrån (1943) 1944– At head of title: Sveriges officiella statistik, Hälso-och sjukvård.

Sweden. Försvarets Sjukvårdsförvaltning. Förteckning över försvarets sjukvårds-

utrustning. Del. 1: Armén och flygvapnet. 390p. 21½cm. Stockh., 1945.

Westerberg. A organização da aviação sanitária na Suécia. Rev. med. mil., Rio, 1940, **29**: 156–9.

—— by countries: United States.

United States. Army Air Forces. Aero-Medical Center. Monthly status report [n. p.] No. 1, 1945–

United States. War Department. Air Service. Division of Military Aeronautics. Air Service Medical. 446p. 26½cm. Wash., 1919.

Grant, D. N. W. Medical service, Army Air Forces. Hospitals, 1942, **16**: No. 11, 56–8. ——— The Army Air Force medical service. J. Aviat. M., 1943, **14**: 15–22. ——— The medical mission in the Army Air Forces. In: Doctors at War (Fishbein, M.) N. Y., 1945, 275–301, 4 pl.—**Grow, M. C.** Medical service Air Corps posts. Flight Surgeon Topics, 1938, **2**: 132–3.—**Hakaln, E. W.** Utilization of M. A. C. officers in new capacities. Air Surgeon Bull., 1944, **1**: No. 3, 25.—**Hargreaves, C. J.** Medical service of the service and depot groups, Army Air Forces. J. Aviat. M., 1943, **14**: 112.—**Jensen, W. S.** Medical service with the Army Air Forces. Ibid., 1944, **15**: 127, &c.—**K., J. A.** They must be white. J. Nat. M. Ass., N. Y., 1941, **33**: 86.—**Lovelace, W. R., II, & Gagge, A. P.** Service functions. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 94–101.—**Medical** Department of the Air Force. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 7, 5.—**Medical** facilities of the Arctic, Desert, and Tropic Branch, AAF Tactical Center, Orlando, Florida. Air Surgeon Bull., 1945, **2**: 58.—**Page, R. C.** Professional medical services in the Army Air Forces. Indust. M., 1944, **13**: 35–7.—**Richardson, G. S.** Ninth Air Force Sanitation Team. Air Surgeon's Bull., 1944, **1**: No. 11, 22.—**Rusk, H. A.** Medical service in the Army Air Forces. Connecticut M. J., 1944, **8**: 151–3.

—— by countries: United States Navy.

Administration of Headquarters Squadron. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 9.—**Duties** of the wing medical officer. Ibid., 10.—**Expansion** of Medical Department activities. Contact, Pensacola, 1942, **2**: 97.—**Squadron** group medical departments. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 10.

AIR intelligence.

See under **Intelligence.**

AIRMAN.

See **Aircrew; Aviator; Flight personnel.**

AIR matériel command.

See also **Matériel; Supply.**

United States. Naval Air Material Center [Philadelphia, Pa.] Report. NAMC. Phila., No. 7, 1948-

United States. Air Force. Material Command. Selected listing of air technical publications. 30p. 27½cm. Dayton, 1947.

AIRPORT.

See also section headings **Sanitation; Water supply.**

Cantoni, G. Organisation du service médical sur les aérodromes dans la cadre de la sécurité aérienne. Méd. aéronaut., 1947, **2**: 358–60.—**Constructing** a minor Army airport in Texas. Pub. Works, N. Y., 1941, **72**: No. 9, 25.—**Gordon, J. E.** Sanitary control of airports. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 3, Sect. 8, 10. ——— Regulations for the sanitary control of airports. Ibid., 13–6.—**Gutiérrez Ibáñez, A.** Contribución al estudio del problema del paludismo en los aeródromos de vanguardia; estudio de la etiología y profilaxis. Rev. españ. med. cir. guerra, 1939, **2**: 500–13.—**Kalmykov, P. E.** Zashchita ot kholoda v usloviiakh polevykh aerodromov. Vocn. san. delo, 1941, 95–7.—**Kirkpatrick, R. D.** The Japanese water supply on the airport at Guadalcanal. Mil. Engin. 1943, **35**: 276.—**Marañés.** Aerodrome physician and health of aviators. War Med., Chic., 1942, **2**: 528 (abstr.)—**Popov, A.** Aerodrom. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 344–7.—**Shavcov, S. I.** Eshche o mediko-sanitarnom obsluzhivanii aerodroma v voennoe vremia. Voen. san. delo. 1941, 78–80.—**Tatarinov, I. P.** K voprosu ob organizacii medicinskogo punkta na aerodrome. Voen. med. J., Moskva, 1947, No. 6, 24.

AIR raid.

See also such other headings in this section as **Air defense; Air warfare; Bombardment; Casualty,** Air raid; **Combat,** Air combat; **Dead. Injury,** Air raid; **Shock; Wound**—by weapons; **Wounded,** Air raid.

Castellani, A., Amalfitano, G. [et al.] Osservazioni e ricerche su individui esposti a bombardamenti aerei, aereo-navali e mitragliamenti. p.561–82. 24cm. Roma, 1945.

In: Comment. Pontif. acad. sc., 1945, **9**:

United States. Office of Strategic Services. Research and Analysis Branch. R & A No. 1801: Notes on air-raid damage and health in Germany; a survey of recent intelligence concerning the impact of Allied air raids on German public health [10 March 1944] 6 l. 24cm. Wash., 1944.

Aoki, K. Bōkū iryō kyūgo to senryoku [Medical aid under the air attack and fighting power] Senzi igaku, 1944, **1**: 7–9.—**Bauer, F. K.** Dust inhalation. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 27.—**Bernal, J. D.** The physics of air raids. Proc. R. Inst. Gr. Britain, 1940–41, **31**: 262–79, 2 pl. Also Pharm. J., Lond., 1941, **93**: 109. Also Australas. J. Pharm., 1942, **23**: 6.—**Blacker, C. P.** Psychiatric air-raid casualties. In his Neurosis, Lond., 1946, 164–70.—**Christy, H.** Catatonies et bombardements aériens. Schweiz. Arch. Neur. Psychiat., 1943, **52**: 148–51.—**Gillespie, R. D.** Salmon lecturer reports on psychological effects of air war in England. Ment. Hyg., Alb., 1942, **26**: 146–8.—**Goldstein, R.** Mental casualties. In: Essent. Emerg. Tr. (Connecticut M. J.) N. Haven, 1942, 138–44.—**Gunzin igaku;** bōkū kyūgosyo ni okcru geka iryō no mondai [... surgical treatment in an air-defense first-aid station] Tōzai igaku, 1941, **8**: 358.—**Hoche, A. E.** Beobachtungen bei Fliegerangriffen. In his Aus. d. Werkstatt, München, 1937, 244–54.—**Hoff, E.** Organization of medical services for the care of civilians injured in air attacks. Connecticut M. J., 1940, **4**: 501–8.—**Holtzer, P. A. F. H.** Over de behandeling van shock bij luchtbombardementen. Ned. tschr. geneesk., 1944, **88**: 203–5.—**Johnson, L. W.** Medical and sanitary care of the civilian population necessitated by attacks from hostile aircraft. Mil. Surgeon, 1941, **88**: 1–24.—**Kamibayasi, Y.** Isi no tai-teki-kūsyū taisei [The attitude of doctors towards enemy air attack] Senzi igaku, 1944, **1**: 4.—**Ledfors, G. E.** Medical and sanitary care of the civilian population necessitated by attacks from hostile aircraft. J. Aviat. M., 1940, **11**: 143–65.—**Lueth, H. C.** The medical and sanitary care of civilian population necessitated by attacks from hostile aircraft. Mil. Surgeon, 1941, **88**: 597–616.—**Makarenko, A. I.** [On the work of the surgeon during air raids] Khirurgia, Moskva, 1939, No. 1, 73–6.—**Mituki, Y.** Kūsyū-ka ni okeru i-zin no kokoro-gamae [Preparedness of medical men under air attack] Senzi igaku, 1944, **1**: 2–4.—**Miyata, K.** Kūsyū-ka ni okeru kyūkyū-hō [... emergency aid under air attack] Ibid., 29–38.—**Psychologic** effects of air raids. N. York State J. M., 1942, **42**: 769.—**Russell, J.** Crop damage by air attack. Nature, Lond., 1941, **148**: 215–7.—**Schonfeld, W.** Priapismus durch Fliegeralarm. Derm. Wschr., 1943, **116**: 153–7.—**Some** psychological effects of air raids. U. S. Nav. M. Bull., 1942, **40**: 730.—**Thomson, D.** Operating under the bombs. Manitoba M. Ass. Rev., 1941, **21**: 189.

AIR raid precaution.

See **Air defense.**

AIR raid shelter.

See also **Shelter** in this section.

Fisher, G. J. B. Bomb shelters; remarks on a recent General Electric Science Forum broadcast over station WGY, Schenectady, N. Y. Chem. Warf. Bull., 1942, **28**: 89–93.—**Maksimov, G. A.** Nekotorye voprosy teorii ventilirovaniia gazoubezhishch. In: Sborn. nauch. rabot otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 258–70.—**Sankovich, N. N.** Metodika priemki i sravnitel'naia ocenka gazoubezhishch s postoiannym obëmom. Ibid., 274–80. ——— K voprosu o priemke gazoubezhishch, imeiushchih fil'troventiliaciiu. Ibid., 281–90.—**Sidiakov, P. V.** K voprosu o dveriakh i liukakh gazoubezhishch. Ibid., 271–3.—**Theissen.** Der Luftschutzraum in Wehrmachtanlagen. Gasschutz, 1943, **13**: 278–81.

AIR reconnaissance.

See **Reconnaissance; Spotting.**

AIR Service Command.

See with **Air Force.**

AIRSHIP.

See **Aerostatics.**

Vannutelli, R. Utilità del dirigibile specialmente come aeronave-ospedale. Riv. med. aeronaut., 1949, **12:** 268–78.

AIRSICKNESS.

See also in this section **Altitude,** Biological effect; **Kinetosis; Seasickness.**

Brown, G. L., McArdle, B., & Magladery, J. W. Interim report on clinical investigations into air-sickness. 8 l. 29cm. Lond., 1941[?]

Forms F. P. R. C. No. 410a, Gr. Britain Flying Pers. Res. Com.

Campbell, P. A., Thorner, M. W. [et al.] A preliminary report on the study of airsickness. 24p. 28cm. Wash., 1942.

Forms Rep. No. 74, Com. Aviat. M. U. S. Nat. Res. Counc.

Canada. Royal Canadian Air Force. Director Medical Services. D. M. S. circular order No. 34: Survey of air sickness; aircrew trainees. 9p. 23½cm. Lond., 1941.

Forms F. P. R. C. 335, Gr. Britain Flying Pers. Res. Com.

Dickson, E. D. D. Report on the incidence of air sickness amongst air crews; with details of 23 cases categorised unfit on account of disabling symptoms. 31 l. 23½cm. Lond., 1941.

Forms F. P. R. C. 220b, Gr. Britain Flying Pers. Res. Com.

Great Britain. Flying Personnel Research Committee. Sub-Committee on Airsickness. Minutes of the meeting. Lond., 4.. 1941–

Forms Nos. of the Committee's F. P. R. C. reports.

Greenberg, R. J. The incidence of airsickness in AAF training and combat [18]p. 27cm. Randolph Field, 1946.

Forms Rep. No. 3, Proj. No. 467, U. S. Air Force School Aviat. M.

Hemingway, A. Results on 500 swing tests for investigating motion sickness. 9 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 2, Proj. No. 31, U. S. Air Force School Aviat. M.

—— An apparatus for measuring the onset of sweating during the development of motion sickness [5] l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 92, U. S. Air Force School Aviat. M.

—— Motion sickness among air crew personnel. 7p. 28cm. Wash., 1943.

Forms Rep. No. 152, Com. Aviat. M. U. S. Nat. Res. Counc.

—— Incidence of swing sickness in eight categories of Army personnel. 5p. 28cm. Wash., 1943.

Forms Rep. No. 180, Com. Aviat. M. U. S. Nat. Res. Counc.

—— Improvements in design and construction of swing for testing individuals susceptible to motion sickness. 5p. 27cm. Randolph Field, 1943.

Forms Rep. No. 2, Proj. No. 84, U. S. Air Force School Aviat. M.

—— Motion sickness history and results of the swing test of one hundred and seven (107) airsick eliminces from flight training. 5 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 2, Proj. No. 170, U. S. Air Force School Aviat. M.

—— Survey of research on the problem of airsickness in the Army Air Forces. 36p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 381, U. S. Air Force School Aviat. M.

—— & Green, E. L. Incidence of airsickness in cadets during their first ten flights. 12p. 27cm. Randolph Field, 1945.

Forms Rep. No. 5, Proj. No. 170, U. S. Air Force School Aviat. M.

Maaske, C. A. Production of motion sickness by swinging in the prone position. 6 l. 27cm. Dayton, 1943.

Forms No. ENG–49–696–44, Memo. Rep. Aero M. Laborat. U. S. Air Force.

McDonough, F. E. Airsickness in navigation training. 18p. 28cm. Wash., 1943.

Forms Rep. No. 181, Com. Aviat. M. U. S. Nat. Res. Counc.

—— [The same] 218p. 28cm. Wash., 1943.

Forms Rep. No. 218, Com. Aviat. M. U. S. Nat. Res. Counc.

Marbarger, J. Proposed equipment for the selection of personnel with respect to the problem of motion sickness [4] l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 84, U. S. Air Force School Aviat. M.

Thorner, M. W. Questionnaire analysis of the problem of airsickness as it is met with in stations in the continental United States. 8p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 83, U. S. Air Force School Aviat. M.

—— Cortical activity in airsick personnel. 11p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 169, U. S. Air Force School Aviat. M.

United States. Air Force. School of Aviation Medicine [Randolph Field, Tex.] Research report, project No. 165, report No. 1: Airsickness in navigation training. 29p. 27cm. Randolph Field, 1943.

Agrelo, R. Mal de altura; mal de vuelo. Rev. san. mil. argent., 1947, **46:** 275–85.—**Air** sickness. Naval Aviation News, 1943, Oct. 1, 20 (clipping)—**Airsickness.** In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 5, 1–3. Also News Lett. R. Nav. Air M. School, 1948, No. 7, 10–4.—**Armstrong, H. G.** Airsickness. In his Principles Aviat. M., Balt., 1939, 233–43. —— Acute altitude sickness. Ibid., 261–78.—**Garrote Vega, M.** Enfermedad de la altura, de los aviadores. Medicina, Madr., 1941, **9:** pt 2, 400–8.—**Gray, G. W.** Altitude sickness. In his Science at War, 3. ed., N. Y., 1943, 226–8.—**Green, D. M.** Airsickness in bomber crews. J. Aviat. M., 1943, **14:** 366–72.—**Hemingway, A., & Green, E. L.** Airsickness during early flying training. Ibid., 1945, **16:** 409–16.—**Holling, H. E.** Wartime investigations into sea- and airsickness. Brit. M. Bull., 1947, **5:** 46–50.—**Hornberger, W.** Ein schwerer Fall von Höhenkrankheit im Flugzeug. Deut. Militärarzt, 1940, **5:** 294 (Abstr.)—**Levy, T.** Observations on air sickness. Mil. Surgeon, 1943, **93:** 147–51.—**Meneses Hoyos, J.** Mal de altura. Sugestiones, Méx., 1943–45, **9:** No. 115, 45–51.—**Rubin, H. J.** Air sickness in a primary air force training detachment. J. Aviat. M., 1942, **13:** 272–6.—**Rühl, A.** Das Bild der Höhenkrankheit. Deut. Militärarzt, 1940, **5:** 502 (Abstr.) Also War Med., Chic., 1942, **2:** 673–6 (Abstr.)—**Rüştü Bilge.** Uçucularin hastaliği. Askerî sihhiye mecmuasi, 1942, **71:** 18–22.—**Sami Gür'ün** [Some physiopathological symptoms in air-sickness] Ibid., 1941, **70:** 33–7.—**Skrypin, V.** Vysotnaia bolezn. In: Encikl, slovar voen, med., Moskva, 1946–48, **1:** 1107–9.—**Vohmianin, P. F.** [Clinical aspect and practical diagnosis of altitude sickness in aviators at aerodromes] Voen. san. delo, 1942, No. 11, 43–9. Also Am. Rev. Soviet M., 1943–44, **1:** 140–4.—**Witts.** Airsickness. Gr. Britain Flying Pers. Res. Com., 1942, No. 424, 6–8.—**Witwer, R. G.** Airsickness. U. S. Nav. M. Bull., 1944, **43:** 34–6.—**Yanguell, C. C.** Airsickness. Ibid., 1939, **37:** 486–9.

—— Pathogenesis.

See also below, **Anoxia.**

Bond, D. D. A study of the emotional factors involved in a group of thirty consecutive navigation cadets in the process of elimination for severe airsickness. 11p. 28cm. Wash., 1943.

Forms Rep. No. 147, Com. Aviat. M. U. S. Nat. Res. Counc.

—— [The same] 17p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 136, U. S. Air Force School Aviat. M.

—— A psychiatric analysis of forty (40) subjects made sick by a swing. 9p. 27cm. Randolph Field, Tex., 1943.

Forms Rep. No. 1, Proj. No. 149, U. S. Air Force School Aviat. M.

HALLPIKE, C. S., & FITZGERALD, G. M. Observations of the pathology of airsickness. 2 l. 23½cm. Lond., 1941.
Forms F. P. R. C. No. 334, Gr. Britain Flying Pers. Res. Com.

HEMINGWAY, A. The effect of environmental temperature on motion sickness [4] l. 27cm. Randolph Field, 1943.
Forms Rep. No. 3, Proj. No. 170, U. S. Air Force School Aviat. M.

WINFIELD, R. H. Preliminary report on the incidence and causation of airsickness in operational aircrews. 5 l. 27cm. Lond., 1941.
Forms F. P. R. C. 220a, Gr. Britain Flying Pers. Res. Com.

Kalmanson, G. M. Investigation into the role of allergy in altitude sickness. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 17.

—— Prevention.

HEMINGWAY, A. Adaptation to flying motion by airsick aviation students. 6 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 4, Proj. No. 170, U. S. Air Force School Aviat. M.

McDONOUGH, F. E. The use of drugs in the treatment of airsickness. 7p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 194, U. S. Air Force School Aviat. M.

LILIENTHAL, J. L., jr. The effect of hyoscine on motion sickness in aircraft. 8 l. 26½cm. Pensacola, 1944.
Forms Rep. No. 1, Proj. No. X-252, Res. Rep. U. S. Nav. School Aviat. M.

SMITH, P. K. The effectiveness of some motion sickness remedies in preventing air sickness; preliminary report. 4p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 261, U. S. Air Force School Aviat. M.

—— The effectiveness of some motion sickness remedies in preventing airsickness in navigation students. 6p. 27cm. Randolph Field, 1945.
Forms Rep. No. 2, Proj. No. 261, U. S. Air Force School Aviat. M.

—— Use of hyoscine hydrobromide for the prevention of airsickness in flexible gunnery students. 6p. 27cm. Randolph Field, Tex., 1945.
Forms Rep. No. 3, Proj. No. 261, U. S. Air Force School Aviat. M.

—— Effects on swing sickness and side effects of some atropine-like drugs. 9p. 27cm Randolph Field, Tex., 1945.
Forms Rep. No. 1, Proj. No. 297, U. S. Air Force School Aviat. M.

—— Attempts to find a remedy superior to hyoscine for motion sickness. 4p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 333, U. S. Air Force School Aviat. M.

—— Present status of drugs for use in motion sickness with particular reference to airsickness. 32 l. 27cm. Randolph Field, Tex., 1946.
Forms Rep. No. 1, Proj. No. 468, U. S. Air Force School Aviat. M.

Apostol, O. [Syndrome of kinetosis; treatment of hypsipetopathy] Cluj. med., 1936, **17**: 455.—**Brooks, M. M.** Methylene blue, an antidote to altitude sickness. J. Aviat. M., 1948, **19**: 298.—**McDonough, F. E., & Bond, D. D.** Management of the airsick aviator. Air Surgeon Bull., 1944, **1**: No. 3, 5–7.—**Smith, P. K.** The effectiveness of some motion sickness remedies in preventing air sickness in Air Force Navigation students. J. Aviat. M., 1946, **17**: 343–5. —— Use of hyoscine hydrobromide for the prevention of airsickness in flexible gunnery students. Ibid., 346.

AIR Training Center.

See **School.**

AIR Transport Service (MATS)

See also **Air ambulance; Air evacuation,** Organization; **Air travel.**

Air transport grows with the air corps. News Lett. U. S. A. Air Corps, 1940, **23**: no. 19, 7.—**Day, E., Miller, R. B.** [et al.] Medical problems in an overseas air transport service. J. Aviat. M., 1944, **15**: 2–8.—**White, M. S.** Global aviation medicine in the Air Transport Command. Ibid., 1946, **17**: 579–83.

AIR travel.

See also other headings of section such as **Air ambulance; Airborne troops; Flight.**

Beaven, C. L. The first ferry flight to the Canal Zone via Cuba. Flight Surgeon Topics, 1938, **2**: 143–5.—**Berquist, E. L.** First B–10, B–18 ferry flight from Canal Zone. Ibid., 1939, **3**: 101–2.—**Grandpierre, R., & Franck, C.** Les contre-indications médicales du transport de personnel par avion. Méd. aéronaut., 1946, **1**: 297–305.—**S., D. F.** Immunizations preparatory to departure overseas by aircraft. Bumed News Letter, Wash., 1944, **3**: No. 6, 1–3.—**Woolford, W. S.** Ferry flight from the Canal Zone. Flight Surgeon Topics, 1939, **3**: 150–5.

—— Safety and sanitation.

Atmer, S. Gesetze und Verordnungen gegen Weiterverbreitung der Infektionskrankheiten durch den Luftverkehr. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 484–7.—**Jackson, W. P.** The possible dangers of transmission of disease by airplane. U. S. Nav. M. Bull., 1942, **40**: 115–23.—**Rose, G.** Luftverkehr, Flugzeuge und Seuchenverbreitung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 476–84.—**Spassky, V.** Aviacionnaia higiena. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 12–5.—**Wilson, K. G., & Helmholz, H. F.,** jr. Safety advantage of rearward seating in passenger aircraft. Air Surgeon Bull., 1945, **2**: 455.

AIR University.

See under **School.**

AIR warfare.

See also such other section headings as **Air defense; Air raid; Atomic warfare; Bombardment; Bomber; Combat,** Air combat; **Dive bombing; Gas warfare; Gunnery; Warfare.**

PATRICK, M. M. Military aircraft and their use in warfare. 15p. 8° Phila., 1924.

Baxter, J. P., III. Air warfare. In his Scientists Against Time, Bost., 1946, 83–99. —— New devices for air warfare. Ibid., 187–200.—**Greenwood, M.** Epidemiological reflections on the air war. Brit. M. J., 1940, **2**: 677.—**Luftkrieg** und Luftschutz im April 1943. Gasschutz 1943, **13**: No. 5, 92–5.—**Mercier, R. G.** En lucha con los pedigros del aire. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 102.—**Mission** objectives. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 12–8.—**Peck, J. L. H.** War moves to the stratosphere. Popular Sc., 1941, **139**: Nov., No. 5, 102–9, 220, 222, 224 (Clipping)—**Rose.** Todesursachen und gesundheitliche Gefahren im Luftkriege. Ber. Arbeitstag. berat. Aerzte, 1944, **4**: 19–31. Also English tr., Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 10–25.—**Yun En T'an.** Chinese pilots' attitudes toward war. Psychol. Bull., 1945, **42**: 663–5.

AKHAL-TEKINSKY expedition (1879–81)

See under **Wars and campaigns.**

ALAMEIN.

See with **World War II,** in this section.

ALASKA.

See with **World War II,** in this section.

ALBANIAN campaign.

See with **World War I,** and **World War II.**

ALBUMINURIA.

See **Medical examination,** Proteinuria.

ALCOHOLISM.

Alcohol and morale. Med. J. Australia, 1942, **2**: 383.—**Barrett, T. M.** Chronic alcoholism in veterans. Q. J. Alcohol, 1943–44, **4**: 68–78.—**Berlien, I. C.** Alcohol and the soldier. Ibid., 1944–45, **5**: 405–12.—**Bostock, J.** Doctors and the drink

traffic. Med. J. Australia, 1942, 2: 88.—**Challman, S. A., & Moore, M.** The soldier who drinks too much. Mil. Surgeon, 1942, 91: 648–50.—**Charny, G.** Liquor and a long war. Narc. Rev., Chic., 1942, 7: No. 4, 1–3.—**Delore.** L'armée devant le problème de l'alcoolisme. J. méd. Lyon, 1940, 21: 81–3.—**Eccles, W. McA.** The menace of alcohol in war. Med. Press & Circ., Lond., 1941, 205: 503–5.—**Effects** of alcohol on the average man, with particular attention to wartime. Sc. Temperance J., 1943–44, 51: 5–7.—**Godinho dos Santos, A.** O alcoolismo na vida do soldado; influência sobre a sua vida física, moral e militar. Arq. brasil. hig. ment., 1943, 14: 52–64.—**Harrison, F. M.** The alcohol problem in the Navy. Q. J. Alcohol, 1944–45, 5: 413–25.—**Hercod, R.** War and alcohol. Sc. Temperance J., 1941–42, 49: 18.—**Howard, G. C.** Alcohol education for the Army. Sc. Temperance J., 1941–42, 49: 33; 51.—**Hugonot, G., & Mazel, P.** L'armée devant le problème de l'alcoolisme. J. méd. Lyon, 1940, 21: 77–80.—**Hyland, H. H.** Some observations on alcoholism in a Canadian military hospital overseas. Univ. Toronto M. J., 1942–43, 20: 221–7.—**Irwin, B. E.** Chronic alcoholism; time lost due to misconduct. Bumed News Lett., Wash., 1945, 5: No. 4, 20.—**Jarvis Nye, L. J., & Marks, E. O.** The Society of Returned Medical Officers of Queensland; alcoholism and morale. Med. J. Australia, 1942, 2: 386.—**Kittel, W.** Alkohol und Wehrmacht. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 237–41.—**Lapique.** Au sujet de l'alcoolisme. Monaco méditer. méd., 1940, 7: 70.—**Moore, M.** Alcoholism in military service. Collect. Lect. Metrop. State Hosp., Waltham, 1942, 7: pt 1, 60–73. Also Mil. Surgeon, 1942, 91: 29–39. Also J. Laborat. Clin. M., 1942–43, 28: 515–24. Also Q. J. Alcohol, 1942–43, 3: 244–56.—**Myerson, A.** Alcoholism and induction into military service. Ibid., 204–20.—**Nogueira Ribeiro, L. G.** Contribuição ao estudo do alcoolismo no meio militar. Rev. med. mil., Rio, 1939, 28: 18–27.—**Nye, L. J. J.** Doctors and the drink traffic. Med. J. Australia, 1942, 2: 33.—**Skinner, G. A.** Confusing in wartime. Sc. Temperance J., 1942–43, 50: 71–4.—**Soldier** (The) who drinks too much. Mil. Surgeon, 1942, 91: 700.—**Strecker, E. A.** Alcohol and alcoholism. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 180–4.—**Sudà de Andrade, C.** O alcoolismo e o exercito. Rev. med. mil., Rio, 1937, 26: 138–49.

—— Disposition.

Froment, J., & Barbier, J. Importance du facteur alcoolisme comme cause d'inaptitude militaire. J. méd. Lyon, 1940, 21: 80.—**Giraud.** Importance de l'alcoolisme comme cause d'élimination de l'armée. Ibid., 123.—**Nunan, T. R.** A note on the handling of alcoholics in a Navy camp. Q. J. Alcohol, 1944–45, 5: 426–9.

—— Forensic aspect.

See also sect. head **Forensic medicine.**

Hall, W. W. Drunkenness, naval medico-legal aspects of the diagnosis. U. S. Nav. M. Bull., 1936, 34: 149–63.—**Mattausschek.** Ueber die forensische Beurteilung akuter Rauschzustände vom Standpunkte des Militärstrafgesetzbuches. Wien. klin. Wschr., 1906, 19: 498–504.

—— Prevention.

Caiuby Novaes, A. Alcoolismo agudo e crônico; distúrbios mentais; consequentes ao alcool e às toxicomanias nas linhas de frente e na retaguarda; profilaxia. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 149–63.—**Danielski, J.** O alkoholizmie i jego zwalczaniu w wojsku. Lek. wojsk., 1921, 2: 1529–31.—**Des Cilleuls, J. M., & Guillobey, J.** La prophylaxie de l'alcoolisme dans l'armée. Rev. Serv. san. mil., Par., 1936, 105: 505–28.—**Gruber, M.** v. Bekämpfung des Alkoholmissbrauchs. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 250–2.

ALEUTIAN Islands.

See with **World War II.**

ALGERIA.

For reference material see **Hospital report; Morbidity; World War II.**

ALGERIAN conquest (1830–47)

See **Wars and campaigns.**

ALLERGY [and anaphylaxis]

See **Disease; Tuberculosis.**

ALLOCATION of physicians.

See **Physician** in this section.

ALSACE.

See with **World War II.**

ALTITUDE.

See also **Acceleration,** High altitude; **Aircraft** (Altitude indicator; Altitude cabin) **Airsickness; Anoxia; Aviation; Flight; Flying.**

Capek, D. Le plafond physiologique de l'aviateur. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 111–29.—**Drexhage, M. G.** Das Problem des Höhenfluges. Umschau, 1938, 42: 369–71.—**Foà, C.** Le condizioni fisiologiche del volo d'alta quota. Gior. med. mil., 1936, 84: 605–11.—**Hill, A. V.** Probleme des Fluges in grossen Höhen. Naturwissenschaften, 1938, 26: 662.—**Matthews, B. H. C.** El límite humano en los vuelos a gran altura. Rev. san. mil., B. Air., 1944, 43: 1687–95.—**Prikladovitsky, S.** [Physiological limits of altitude in aviation] Voen. san. delo, 1936, 31–8.—**Skrypin, V.** Vysota. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1097–107. —— Perepad davleniia. Ibid., 4: 445–9.—**Spassky, V.** Vysotnyi polet. Ibid., 1: 1109–15.

—— Acclimatization.

See also **Atmospheric chamber,** Training.

Houston, C. S. A study of the physiological changes which occur during acclimatization to high altitude; background and organization. 8p. 27cm. Pensacola, Fla., 1946.

Forms Rep. No. 1, Res. Proj. X–720 (Av–376–s) U. S Naval School Aviat. M.

—— & Riley, R. L. A study of the physiological changes which occur during acclimatization to high altitude; respiratory and circulatory findings. 41p. 27cm. Pensacola, Fla., 1947.

Forms Rep. No. 4 (amplified) Res. Proj. X–720 (Av–376–s) U. S. Naval School Aviat. M.

—— & Jarvis, W. H., jr. A study of the physiological changes which occur during acclimatization to high altitude; respiratory and circulatory findings. 26 l. 27cm. Pensacola, Fla., 1946.

Forms Rep. No. 4, Res. Proj. X–720 (Av–376–s) U. S. Naval School Aviat. M.

Benzinger, T. Der Höhenflieger im Schutz der natürlichen Höhenanpassung. Luftfahrtmedizin, 1937–38, 2: 167–84.—**Blasius, W., & Bauereisen, E.** Eine neue Möglichkeit zur Beeinflussung der Höhentoleranz des Mesnchen in der Unterdruckkammer. Ibid., 1941–42, 6: 67–82. Also Bull. War M., Lond., 1942–43, 3: 410 (Abstr.)—**Diringshofen, H. v., & Lottig, H.** Die Lehruntersuchung auf Höhenwirkung. Ibid., 410 (Abstr.)—**Gemmill, C. L.** Acclimation to high altitudes; a review of physiological observations. U. S. Nav. M. Bull., 1941, 39: 178–87.—**Piéry, M., Enselme, J., & Peschiera, C.** L'adaptation chimique de l'homme à la dépression atmosphérique. J. méd. Lyon, 1939, 20: 409–20.—**Reissmann, K. R.** Investigations on the mechanism of changes in the blood during high altitude adaptation in parabiotic rats. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan. 2; July, 2; Oct. 1, 1949, Jan. 2 July, 4.

—— Aeroembolism.

Catchpole, H. R., & Gersh, I. Physiological factors affecting the production of gas bubbles in rabbits decompressed to altitude. 12p. 26½cm. Bethesda, 1945.

Forms Rep. No. 6, Res. Proj. X–284, U. S. Nav. M. Res. Inst.

—— Physical factors in the pathogenesis of aeroembolism; a review. 25p. 27cm. Bethesda, Md., 1946.

Forms Rep. No. 11, Res. Proj. X–284, U. S. Nav. M. Res. Inst.

Gersh, I., Hawkinson, G. E., & Jenney, E. H. Comparison of vascular and extravascular bubbles following decompression from high pressure atmospheres of oxygen, helium-oxygen, argon-oxygen and air. 23p. 26½cm. Bethesda, 1944.

Forms Rep. No. 5, Res. Proj. X–284, U. S. Nav. M. Res. Inst.

Gray, J. S. Effect of denitrogenation at various altitudes on aeroembolism in cadets. 8p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 216, U. S. Air Force School Aviat. M.

—— Aeroembolism induced by exercise in cadets at 23,000 feet. 2 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 227, U. S. Air Force School Aviat. M.

Grulee, C. G., jr. Eleven cases of aeroembolism requiring hospitalization. 23p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 87, U. S. Air Force School Aviat. M.

Houston, C. S. A study of the physiological changes which occur during acclimatization to high altitude; occurrence of aero-embolism at moderate altitudes. 5 l. 27cm. Pensacola, 1946.
Forms Rep. No. 2, Res. Proj. X-720 (Av-376-s) U. S. Naval School Aviat. M.

Lund, D. W., Lawrence, J. W., & Lawrence, L. B. Case report on a severe, delayed reaction with cerebral involvement following decompression. 5p. 28cm. Wash., 1944.
Forms Rep. No. 396, Com. Aviat. M. U. S. Nat. Res. Counc.

Masland, R. L. Injury of the central nervous system resulting from decompression to simulated high altitude. 13p. 27cm. Randolph Field, 1946.
Forms Rep. No. 1, Proj. No. 481, U. S. Air Force School Aviat. M.

Smaller, B. Pre-selection test for susceptibility to aeroembolism. 10p. 27cm. Dayton, 1943.
Forms No. ENG-M-49-695-27, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Appearance and distribution of gas bubbles in rabbits decompressed to altitude. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.-June, 16.—**Armstrong, H. G.** Aeroembolism. In his Principles Aviat. M., Balt., 1939, 340–63.—**Carson, L. D.** A critical evaluation of recent investigations of the phenomenon of aero-embolism. U. S. Nav. M. Bull., 1942, **40**: 284–90.—**Comparison** of vascular and extravascular bubbles following decompression from high pressure atmospheres of oxygen, helium-oxygen argon-oxygen and air. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 24.—**Fulton, J. F.** Physiology and high altitude flying; with particular reference to air embolism and the effects of acceleration. War Med. Sympos., N. Y., 1942, 357–67. Also Resenha clin. cient., S. Paulo, 1943, **12**: 107–12. ——— Altitude decompression sickness. In: Advance. Mil. Med., Bost., 1948, **1**: 318–30.—**Gersh, I., Hawkinson, G. E., & Jenney, E. H.** Comparison of vascular and extravascular bubbles following decompression from high pressure atmospheres of oxygen, helium-oxygen, argon-oxygen and air. J. Cellul. Physiol., 1945, **26**: 63–74.—**Gersh, I., Hawkinson, G. E., & Rathbun, E. N.** Tissue and vascular bubbles after decompression from high pressure atmospheres; correlation of specific gravity with morphological changes. Ibid., 1944, **24**: 35–70, 5 pl.—**Lovelace, W. R., Boothby, W. M., & Benson, O. O.,** jr. Aeroembolism; a medical problem in aviation at high altitude. Sc. Month., 1941, **53**: 30–7.—**Najfeld, A.** Problem aeroembolizma u avijaciji. Voj. san. pregl., Beogr., 1948, **5**: 448–50.—**Physiological** factors affecting the production of gas bubbles in rabbits decompressed to altitude. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 15.—**Rathaus, L.** Letno-podemnyi sostav. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 484–6.—**Whiteley, A. H., McElroy, W. D.** [et al.] Bubble formation in animals; denitrogenation. J. Cellul. Physiol., 1944, **24**: 257–71.—**York, D. E.** A case of aeroembolism. Air Surgeon Bull., 1944, **1**: No. 11, 5.

—— Aeroembolism: Bends.

Anthony, R. A., Clarke, R. W. [et al.] Effects of local compression, impairment of venous return and arterial tournequet upon the intensity of established bends pain. 6 l. 28cm. N. Haven, Conn., 1943.
Forms No. 19, Rep. Yale Acromed. Res. Unit. Also forms No. 143, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Behnke, A. R. A review of physiologic and clinical data pertaining to decompression sickness. 75p. 26½cm. Bethesda, 1947.
Forms Rep. No. 4, Res. Proj. X-443, U. S. Nav. M. Res. Inst.

Burkhardt, W. L., Thometz, A. F., Ivy, A. C. The effect of deliberate hyperventilation on the incidence of intolerable cases of bends and chokes. 3p. 28cm. Wash., 1945.
Forms Rep. No. 438, Com. Aviat. M. U. S. Nat. Res. Counc.

De Burgh Daly, I., Eggleton, P., & Eledon, S. R. An investigation into the cause of bend and other ill effects in animals subjected to pressures below atmospheric. 16 l. 22cm. Lond., [1940?]
Forms F. P. R. C. 100, Gr. Britain Flying Pers. Res. Com.

Gray, J. S. The location, severity, and altitude of disappearance of the bends. 8p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 117, U. S. Air Force School Aviat. M.

—— Present status of the problem of decompression sickness. 43p. 27cm. Randolph Field, Tex., 1944.
Forms Rep. No. 1, Proj. No. 458, U. S. Air Force School Aviat. M.

Great Britain. Flying Personnel Research Committee. F. P. R. C. No. 267: Observations on decompression sickness in man. 13 l. 23½cm. Lond., 1941.

Ivy, A. C., Burkhardt, W. L., & Thometz, A. F. The effect of pecuniary incentive on the incidence of intolerable cases of bends and chokes. 2p. 28cm. Wash., 1945.
Forms Rep. No. 422, Com. Aviat. M. U. S. Nat. Res. Counc.

Karpovich, P. V. Relation between bends and physical fitness [2] l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 192, U. S. Air Force School Aviat. M.

Matthews, B. H. C., & Carmichael, C. A. Chronological development of symptoms in bends in subjects breathing pure oxygen; with neurological report. 4p. 28cm. Wash., 1940.
Forms Rep. No. 22, Com. Aviat. M. U. S. Nat. Res. Counc.

Pask, E. A. Preliminary note on a method of investigating the site of origin of pain in decompression sickness. 3 l. 22½cm. Lond., 1942.
Forms F. P. R. C. No. 484, Gr. Britain Flying Pers. Res. Com.

Smedal, H. A. Review of existing data on the incidence of decompression illness in personnel at and below 30,000 feet. 9 l. 26cm. Pensacola, 1948.
Forms Rep. No. 3, Proj. No. NM 001 017 (or, X-762) Res. Rep. U. S. Nav. School Aviat. M.

Smith, P. K. The use of morphine at high altitudes for the relief of decompression pain. 6 l. 27cm. Randolph Field, 1943.
Forms Proj. No. 175, U. S. Air Force School Aviat. M.

Allan, J. H. Decompression disease of bone. J. Aviat. M., 1943, **14**: 105–11.—**Behnke, A. R.** A review of physiologic and clinical data pertaining to decompression sickness. News Lett. R. Nav. Air M. School, 1948, No. 5, 9–14.—**Bierman, H. R.** Decompression illness in aviation. Washington Univ. M. Alumni Q., 1942–43, **6**: 169–78.—**Bridge, E. V., Henry, F. M.** [et al.] Decompression sickness; nature and incidence of symptoms during and after artificial decompression to 38,000 feet for 90 minutes with exercise during exposure. J. Aviat. M., 1944, **15**: 316–27.—**Bunge, J.** Tierexperimenteller Beitrag zur Frage Höhenkrämpfe und Lufttemperatur. Luftfahrtmedizin, 1941–42, **6**: 127–31.—**Burkhart, T. M.** Decreased tolerance to bends. Hosp. Corps Q., 1945, **18**: No. 5, 38–43.—**Cook, S. F., Williams, O. L.** [et al.] A comparison of altitudes and exercise with respect to decompression sickness. War Med., Chic., 1944, **6**: 182–7.—**Decompression** illness. Bumed News Lett. Aviat. Suppl., Wash., 1947–48, **9**: No. 2, 1–7.—**Decompression** sickness. Gr. Britain Flying Pers. Res. Com., 1940–45, June, 36.—**Denzer, H. W.** Untersuchungen über die spezielle und individuelle Variabilität der Höhenkrampfschwelle; der Einfluss der Luftfeuchtigkeit auf die Höhenfestigkeit weisser Mäuse. Luftfahrtmedizin, 1942–43, 7: 137–40. ——— & **Stanislaus-Rühl, M.** Untersuchungen über die spezielle und individuelle Variabilität der Höhenkrampfschwelle. Ibid., 1941–42, **6**: 83; 1942–43, **7**: 137.—**Erbslöh, F. W.** Untersuchungen über die spezielle und individuelle Variabilität der Höhenkrampfschwelle; die Abhängigkeit der Höhenkrampfschwelle von der Adaptationstemperatur bei Inzuchten von weissen Mäusen. Ibid., 1943, **8**: 129–40.—**Fulton, J. F.** Some factors affecting the incidence of bends at altitude. Mil. Surgeon, 1944, **94**: 199.—**Gray, J. S.** Prevention of decompression sickness by denitrogenation. Air Surgeon Bull., 1944, **1**: No. 11, 8.—**Guest, M. M.** The incidence of bends during different periods of the day. Ibid., No. 6, 5.—**Harvey, E. N.** Decompression sickness and bubble formation in blood and tissues. Bull. N. York Acad. M., 1945, **21**: 505–36.—**Hornberger, W., & Benzinger, T.** Druckfallkrankheit. Luftfahrtmedizin, 1942, **7**:

9–34. Also Bull. War. M., Lond., 1942–43, **3**: 584 (Abstr.)—**Houston, C. S.** Occurence of bends, scotomata and hemianopsia at altitudes below 20,000 feet. J. Aviat. M., 1947, **18**: 165–8.—**Karpovich, P. V.** Relation between bends and physical fitness. Air Surgeon Bull., 1944, **1**: No. 6, 5.—**Korb, J. H.** Bends in high altitude flying. U. S. Nav. M. Bull., 1942, **40**: 282–4.—**Mackenzie, C. G., & Riesen, A. H.** The production by moderate exercise of a high incidence of bends at altitudes of 26,000 to 28,000 feet. J. Am. M. Ass., 1944, **124**: 499–501.—**Matthews, B. H. C.** Decompression sickness. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 1049.—**Occurrence** of bends. Air Surgeon Bull., 1944, **1**: No. 4, 9.—**Quantitative** (The) physiological basis of inert gas exchange; applications to decompression sickness. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 1.—**Rodbard, S.** Recurrence of decompression sickness on reascent to high altitudes. Air Surgeon Bull., 1944, **1**: No. 11, 6.—**Smedal, H. A., Brown, E. B.,** jr, & **Hoffman, C. E.** Incidence of bends pain in a short exposure to simulated altitudes of 26,000, 28,000 and 30,000 feet. J. Aviat. M., 1946, **17**: 67–9.—**Some** characteristics of decompression sickness. News Lett. R. Nav. Air M. School, 1950, No. 13, 8.—**Streltsov, V. V.** [Nature of pains in aviators, arising while flying at high levels] Klin. med., Moskva, 1940, **18**: No. 9, 42–52. Also Bull. War M., Lond., 1941–42, **2**: 237 (Abstr.)—**Strughold, H.** Zur Frage der Höhenkrämpfe. Luftfahrtmed. Abh., 1936–37, **1**: 181.—**Thomas, S. F., & Williams, O. L.** High-altitude joint pains (bends) their roentgenographic aspects. Radiology, 1945, **44**: 259–61.—**Tobias, C. A., Lyons, W. R.** [et al.] Study of bends; a comparison in low pressure chamber and actual flight. Air Surgeon Bull., 1944, **1**: No. 11, 10.—**Webb, J. P., Engel, G. L.** [et al.] The mechanism of pain in aviators' bends. J. Clin. Invest., 1944, **23**: 934.—**Welham, W., & Yarbrough, O. D.** Decompression sickness (bends) following an oxygen dive. U. S. Nav. M. Bull., 1945, **45**: 150–2.

—— Aeroembolism: Prevention and treatment.

CATCHPOLE, H. R., & GERSH, I. Bubble formation in rabbits decompressed to altitude; effect of preoxygenation, electrical stimulation, and some pharmacological factors. 8p. 26½cm. Bethesda, 1945.

Forms Rep. No. 7, Res. Proj. X–284, U. S. Nav. M. Res. Inst.

DUFFNER, G. J., VAN DER AUE, O. E., & BEHNKE, A. R. The treatment of decompression sickness; an analysis of 113 cases. 13p. 26½cm. Bethesda, 1946.

Forms Rep. No. 3, Res. Proj. X–443, U. S. Nav. M. Res. Inst.

FEGLER, J., & HEBB, C. O. The selective benefit of oxygen-pretreatment in the case of decompressed animals having low corpuscular haemoglobin values. 18 l. 26½cm. Lond., 1944.

Forms F. P. R. C. No. 595, Gr. Brit. Flying Pers. Res. Com.

GRAY, J. S. The prevention of aeroembolism by denitrogenation procedures. 7 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 101, U. S. Air Force School Aviat. M.

—— The effect of exercise at altitude on aeroembolism in cadets. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 156, U. S. Air Force School Aviat. M.

—— The effect of varying periods of denitrogenation on aeroembolism in cadets. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 164, U. S. Air Force School Aviat. M.

—— The effects of pressure breathing on decompression sickness and circulatory reaction in cadets. 14 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 248, U. S. Air Force School Aviat. M.

—— & MAHADY, S. C. F. The prevention of aeroembolism in cadets at 45,000 feet by denitrogenation. 6 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 252, U. S. Air Force School Aviat. M.

—— & MASLAND, R. L. The effect of breathing carbon dioxide in oxygen on altitude decompression sickness. 4p. 27cm. Randolph Field, Tex., 1945.

Forms Rep. No. 1, Proj. No. 409, U. S. Air Force School Aviat. M.

KING, B. G., & FUTCHER, P. H. Evaluation of the altitude pressure bag. 2 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–303, U. S. Nav. M. Res. Inst.

KNISELY, M. H. Methods and testing of therapeutic agents in relation to bends. 13p. 28cm. Wash., 1945.

Forms No. 473, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

VAN DER AUE, O. E., WHITE, W. A., jr [et al.] Physiologic factors underlying the prevention and treatment of decompression sickness; a procedure for the treatment of caisson disease and traumatic air embolism. 16p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–443, U. S. Nav. M. Res. Inst.

WINFIELD, R. H. A note on the effect of preoxygenation in the prevention of decompression sickness. 5 l. 27½cm. Lond., 1943.

Forms F. P. R. C. No. 542, Gr. Brit. Flying Pers. Res. Com.

Bjurstedt, H., & Severin, G. The prevention of decompression sickness and nitrogen narcosis by the use of hydrogen as a substitute for nitrogen, the Arne Zetterström method for deep-sea diving. Mil. Surgeon, 1948, **103**: 107–16.—**Bubble** formation in rabbits decompressed to altitude; effect of preoxygenation, electrical stimulation, and some pharmacological factors. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 15.—**Effect** of pre-oxygenation on decompression illness. Bumed News Letter, Wash., 1943, **1**: No. 6, 8.—**Henry, F. M., Lawrence, J. H.** [et al.] Protective effects of preoxygenation on abdominal gas pain; results of a study of preflight breathing of oxygen on pain resulting from decompression to 38,000 feet. War Med., Chic., 1944, **6**: 395–7.—**Klemin, A.** Supercharging the pilot; aeroembolism prevented by pre-flight administration of oxygen. Sc. American, 1941, **164**: 302.—**Lansing, A. I.** Treatment of aeroembolism by pressure application to arteries. Air Surgeon Bull., 1944, **1**: No. 5, 5.—**Physiologic** factors underlying the prevention and treatment of decompression sickness; a procedure for the treatment of caisson disease and traumatic air embolism. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 26.—**Thometz, A. F.** The etiology of aeroembolism and aeroemphysema and hyperventilation as a prophylactic and therapeutic measure. Contact, Pensacola, 1946–48, **6**: 237–46.

—— Biological effect.

See also **Acceleration,** High altitude.

GREAT BRITAIN. FLYING PERSONNEL RESEARCH COMMITTEE. F. P. R. C. No. 305: Synopsis of physiology of high altitude flying. 12 l. 23½cm. Lond. [1941?]

Behnke, A. R., & Willmon, T. L. Physiological effects of high altitude. U. S. Nav. M. Bull., 1941, **39**: 163–78.—**Bergeret, P. M.** Effets physiologiques de l'altitude en avion. Rev. Serv. san. mil., Par., 1937, **197**: 325–53.—**Boothby, W. M., Lovelace, W. R., II, & Benson, O. O.** High altitude and its effect on the human body. News Lett. U. S. A. Air Corps, 1941, **24**: No. 2, 11–6.—**Borshchevsky, I. J.** O nekotorykh osobennostiakh dlitelnykh vysotnykh poletov. Voen. san. delo, 1941, 1–5.—**Diet,** oxygen want, and high flying. Brit. M. J., 1940, **1**: 57.—**Grandpierre, R.** Les effets physiologiques du vol en avion aux hautes altitudes. Rev. physiothér., Par., 1939, **15**: 49–73. Also War Med., Chic., 1942, **2**: 515–9 (Abstr.)—**Knox, J. M.** The future of altitude physiology. Flight Surgeon Topics, 1937, **1**: No. 2, 3–11.—**Lovelace, W. R., II. & Gagge, A. P.** Human stresses produced by flight at high altitude. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 19–22.—**Oprişescu, S.** Modificări biochimice produse in organism la altitudine. Rev. san. mil., Bucur., 1936, **35**: 1248–53.—**Streltsov, V. V.** [Accomplishments in physiology of altitude flights] Voen. san. delo, 1935, 44–8.—**Strughold, H.** Biologic effect of high altitude from the point of view of aviation. War Med., Chic., 1942, **2**: 532–4 (Abstr.)—**Towner, A. A.** Physiological effects of high altitude flying. U. S. Armed Forces M. J., 1950, **1**: 317–20.

—— Calculation.

GRAY, J. S. The calculation of equivalent altitudes. 17p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 291, U. S. Air Force School Aviat. M.

—— Cardiovascular system.

See also subheading Acclimatization.

GRAYBIEL, A., PATTERSON, J. L., & HOUSTON,

C. S. A study of the physiological changes which occur during acclimatization to high altitude; the changes in heart size in man during partial acclimatization to simulated high altitudes. 20 l. 26½cm. Pensacola, 1948.
Forms Rep. No. 6, Proj. No. NM 001 013 (or, X-720) Res. Rep. U. S. Nav. School Aviat. M.

Koch, E. Symptomatology of the circulatory system with decreasing air pressure in high altitude fitness testing. 6 l. 27cm. Heidelb., 1946.
Forms Feb. 26 issue of Transl. U. S. Air Force Aero M. Cent., Heidelb.

United States. Naval School of Aviation Medicine. Medical Research Division. Pulse rates during altitude indoctrination runs. 15p. 28cm. Wash., 1942.
Forms Rep. No. 91, Com. Aviat. M. U. S. Nat. Res. Counc.

White, M. S., Kossmann, C. E., & Ershler, I. The effect of high altitude and of rebreathing on the duration of electrical systole in man. 15p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 53, U. S. Air Force School Aviat. M.

Euler, U. S. v. Några fysiologiska synpunkter pa höjdflygning med särskild hänsyn till andning och cirkulation. Tskr. mil. hälsov., 1944, **68**: Suppl., 173–81.—**Fiumel, A.** [Effect of various altitude flights on the circulatory system] Lek. wojsk., 1936, **28**: 41–7.—**Kreiemberg & Winter.** Altitude tolerance in hyper- and hypo-tonia. Bull. War M., Lond., 1941–42, **2**: 237.—**Masland, R. L.** Collapse at high altitude. Air Surgeon Bull., 1944, **1**: No. 11, 3–5.—**Mateeff, D., & Schwarz, W.** Der orthostatische Kreislaufkollaps; Gravitationsshock, bei vermindertem Luftdruck. Arch. ges. Physiol., 1935, **236**: 77–92.—**Matuo, T.** An experimental study on the influence of the low atmospheric pressure upon the cardiac functions. Bull. Nav. M. Ass., Tokyo, 1938, **27**: 56; No. 10, 5–7.—**Meier-Müller, H.** Zirkulation und vegetatives Nervensystem im Hochleistungsflug. Helvet. med. acta, 1941, **8**: 780–3.—**Ranke, O. F.** Der Ueberlastungskollaps. Deut. Militärarzt, 1937, **2**: 461–3.—**Romano, J., Engel, G. L.** [et al.] Syncopal reactions during simulated exposure to high altitude in decompression chamber. War Med., Chicl, 1943, **4**: 475–89.—**Schneider, M.** Die Gehirndurchblutung im Höhenkollaps. Luftfahrtmedizin, 1941–42, **6**: 323–6.—**Schumann, H.** Ueber den Energiestoffwechsel des Herzmuskels unter den Bedingungen des Höhenfluges. Ibid., 1939–40, **4**: 204–8.—**Tavel, F. v.** Neuere Ergebnisse über die Beanspruchung der Zirkulationsorgane im militärischen Hochleistungsflug. Helvet. med. acta, 1941, **8**: 784–7.—**White, M. S.** The effect of anoxia in high altitude flights on the electrocardiogram. J. Aviat. M., 1940, **11**: 166–80.

—— Compression sickness.

See **Compression sickness.**

—— Decompression.

See also subheading (Aeroembolism)

De Burgh Daly, I. Decompression experiments on rabbits. 2 l. 23½cm. Lond. [1941?]
Forms F. P. R. C. 238, Gr. Britain Flying Pers. Res. Com.

Great Britain. Flying Personnel Research Committee. F. P. R. C. No. 347: Note on the effect of decompression on cerebro-spinal fluid pressure. 3 l. 23½cm. Lond., 1941.

Miller, R. A., Taylor, C. B., & Heagan, B. The oxygen content of arterial blood of dogs exposed to diminished pressures in a decompression chamber. 9p. 27cm. Randolph Field, 1946.
Forms Rep. No. 1, Proj. No. 414, U. S. Air Force School Aviat. M.

Mitchell, D. F. Effects of oxygen and decompression on saliva. 6p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 392, U. S. Air Force School Aviat. M.

Smedal, H. A. Effects of repeated decompression of 25 subjects to a simulated altitude of 20,000 feet during approximately one month. 5 l. 26½cm. Pensacola, 1948.
Forms Rep. No. 2, Proj. No. X-762, Res. Rep. U. S. Nav. School Aviat. M.

—— & Graybiel, A. Effects of decompression on thirty-five subjects repeatedly exposed to a simulated altitude of 20,000 feet during approximately one month. 31p. 27cm. Pensacola, Fla., 1947.
Forms Rep. No. 1, Res. Proj. X-762 (Av-390-k) U. S. Naval School Aviat. M.

—— [The same] 33p. 26½cm. Pensacola, 1947.
Forms Rep. No. 1, Proj. No. X-762, Res. Rep. U. S. Nav. School Aviat. M.

Trowell, O. A. Histological changes in the lungs of rabbits decompressed to 40,000–47,000 feet. 3 l. 23½cm. Lond., 1941.
Forms F. P. R. C. 317, Gr. Britain Flying Pers. Res. Com.

Behnke, A. R. Effects of decompression from high pressure atmospheres; studies of Gersh. Sympos. Mil. Physiol., Wash., 1947, 60.—**Boycott, G. W. M.** The application of the principle of partial pressure of gases to Haldane's method of stage decompression. J. Hyg., Lond., 1943–44, **43**: 409.

—— Decompression, explosive.

See also **Aircraft,** Altitude cabin.

Bancroft, R. W., Coulson, C. K. [et al.] Effects of explosive decompression on dogs during pressure breathing. 4p. 27cm. Randolph Field, 1949.
Forms Rep. No. 1, Proj. No. 21-02-075, U. S. Air Force School Aviat. M.

Berg, W. E., Baumberger, J. P. [et al.] Explosive decompression; lung damage correlated with the respiratory cycle in explosive decompression. 7p. 28cm. Wash., 1943.
Forms Rep. No. 173, Com. Aviat. M. U. S. Nat. Res. Counc.

Clamann, H. G. Explosive decompression tests on human subjects; tests of explosive decompression without oxygen. 8 l. 27cm. Heidelb., 1946.
Forms No. S2-46-9, Transl. U. S. Air Force Aero M. Cent., Heidelb. Transl. from Forschber. Zentr. wiss. Ber. Wesen Luftfahrtforsch., 1940, No. 1096.

—— Luft, U. C., & Adler, H. F. Alveolar gases in rapid decompression to high altitudes. 11p. 26cm. Randolph Field, 1948.
Forms Rep. No. 1, Proj. No. 21-02-046, U. S. Air Force School Aviat. M.

Fegler, J. Observations on guinea pigs explosively decompressed to equivalent heights of 41,000 to 45,000 ft. 9 l. 23½cm. Lond. [1941?]
Forms F. P. R. C. 349, Gr. Britain Flying Pers. Res. Com.

Gersh, I. Correlation of X-ray and gross observations on gas bubbles in guinea pigs decompressed from high pressure atmospheres. 6p. 26½cm. Bethesda, 1945.
Forms Rep. No. 9, Res. Proj. X-284, U. S. Nav. M. Res. Inst.

—— Gas bubbles in bone and associated structures, lung and spleen of guinea pigs decompressed rapidly from high pressure atmospheres. 15p. 26½cm. Bethesda, 1945.
Forms Rep. No. 10, Res. Proj. X-284, U. S. Nav. M. Res. Inst.

—— & Catchpole, H. R. Appearance and distribution of gas bubbles in rabbits decompressed to altitude. 15p. 26½cm. Bethesda, 1945.
Forms Rep. No. 8, Res. Proj. X-284, U. S. Nav. M. Res. Inst.

Gersh, I., & Hawkinson, G. E. The formation and appearance of tissue and vascular gas bubbles after rapid decompression of guinea pigs from high pressure atmospheres. 27p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X-284, U. S. Nav. M. Res. Inst.

—— [et al.] Changes in specific gravity of tissues, organs, and the animal as a whole resulting from rapid decompression of guinea pigs from

high pressure atmospheres. 12p. 26½cm. Bethesda, 1944.
Forms Rep. No. 2, Res. Proj. X-284, U. S. Nav. M. Res. Inst.

Hebb, C. O. Observations on gas bubble formation and lung damage in animals rapidly decompressed to 43,000–47,000 feet. 7 l. 23½cm. Lond. [1941?]
Forms F. P. R. C. No. 316, Gr. Britain Flying Pers. Res. Com.

—— A critical effect of temperature in rapid decompression of rats to 44,000 feet. 3 l. 30cm. Lond., 1944.
Forms F. P. R. C. No. 625, Gr. Britain Flying Pers. Res. Com.

Laurent, M. *Les accidents de l'aviation aux hautes altitudes; recherches expérimentales sur les décompressions brusques par ruptures des cabines étanches. 55p. 25cm. Par., 1939.

Mahoney, D. I. Repeated explosive decompressions. 4 l. 27cm. Dayton, 1948.
Forms No. MCREXD-696-107H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Sweeney, H. M. Explosive decompression; human subjects. 6 l. 28½cm. Dayton, 1944.
Forms No. ENG-49-695-29-B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Trowell, O. A. A histological examination of the spinal cord of animals rapidly decompressed to 40,000–45,000 feet. 5 l. 23½cm. Lond. [1941?]
Forms F. P. R. C. 345, Gr. Britain Flying Pers. Res. Com.

Wagner, C. E. Observations of gas bubbles in pial vessels of cats following rapid decompression from high pressure atmospheres. 6p. 26½cm. Bethesda, 1944.
Forms Rep. No. 4, Res. Proj. X-284, U. S. Nav. M. Res. Inst.

Wilson, J. W. Explosive decompression at high altitude. 21p. 28cm. Dayton, 1947.
Forms No. TSEAA-696-104B, Mem. Rep. Aero M. Laborat. U. S. Air Force.

—— Pathology in rats explosively decompressed to high altitudes. 17p. 28cm. Dayton, 1947.
Forms No. TSEAA-696-104C, Mem. Rep. Aero M. Laborat. U. S. Air Force.

—— Explosive decompression to 30 mm. Hg. 76p. 27cm. Dayton, 1948.
Forms No. MCREXD-696-104I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Whitehorn, W. V., Lein, A., & Edelmann, A. The effect of explosive decompression on the blood pressure of anesthetized dogs. 7p. 28cm. Wash., 1945.
Forms No. 479, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Wood, J. A. Emergency descents following rapid decompression to altitudes above 46,000 feet. 9p. 27cm. Dayton, 1948.
Forms No. MCREXD-696-107E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Adler, H. F. The effect of explosive decompression on vitamin C deficient guinea pigs. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 23; June, 15. —— & **Ivy, J. H.** The effect of explosive decompression on vitamin C deficient guinea pigs. Ibid., Oct., 35.—**Benzinger, T.** Explosive decompression. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 83.—**Burkhardt, W. L., & Adler, H. F.** Effects of explosive decompression on dogs during pressure breathing. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 21; 1949, Jan., 23. —— & **Timmons, D. E.** Explosive decompression on dogs during pressure breathing. Ibid., 1948, Jan., 26; Apr., 33.—**Clamann, H. G., Adler, H. F., & Luft, U. C.** Extent of pathological damage to animals in a cold environment who are explosively decompressed. Ibid., 1947, Oct., 7. —— [et al.] Extent of pathological damage to animals in a cold environment who are explosively decompressed. Ibid., 1948, Jan., 24; Apr., 31; July, 20; Oct., 14; 1949, Jan. 22.—**Explosive** decompression. News Lett. R. Nav. Air M. School, 1949, No. 10, 3–14, ch.—**Flickinger, D., & Adler, H. F.** Extent of pathological damage to animals in a cold environment who are explosively decompressed. Sympos. Mil. Physiol., Wash., 1947, 53. —— Effect of explosive decompression on vitamin C deficient guinea pigs. Ibid., 53.—**Gas** bubbles in bone and associated structures, lung and spleen of guinea pigs decompressed rapidly from high pressure atmospheres. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.-June, 17.—**Hitchcock, F. A.** Physiological effects of explosive decompression. Sympos. Mil. Physiol., Wash., 1947, 119.—**Keiler, H.** Versuche über die Wirkung schneller Luftdruckerniedrigung an Tieren. Luftfahrtmedizin, 1941–42, **6**: 93–104.—**Kilches, R.** Atmosphärischer Drucksturz und Warmblüterorganismus. Ibid., 1942, **7**: 35–45. Also Bull. War M., Lond., 1942–43, **3**: 584 (Abstr.)—**Luft, U. C., Clamann, H. G., & Adler, H. F.** Oxygen diffusion and transport in explosive decompression. Sympos. Mil. Physiol., Wash., 1947, 89–97. —— Alveolar gases in rapid decompression to high altitudes. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 28; 1949, Jan., 22.—**Lutz, W.** Die Ueberlebenszeit nach Drucksturz in grössten Höhen. Luftfahrtmedizin, 1942–43, **7**: 84–97. —— Explosive decompression, comparable with that produced by puncture of high pressure cabins at great altitudes, and rapid and slow descent from high altitudes, comparable with free fall and with descent by parachute. CIOS Rep., Lond., 1945, Item 24, No. XXIX-21, 7–14.—**Observations** of gas bubbles in pial vessels of cats following rapid decompression from high-pressure atmospheres. Bumed News Letter, Wash., 1944, **4**: No. 13, 15. Also Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 24.—**Origin** of tissue and vascular gas bubbles after rapid decompression of guinea pigs from high pressures. Bumed News Letter, Wash., 1944, **3**: No. 10, 3.—**Schubert, G., & Grüner, A.** Die Entstehung freier Gase in Blut und Geweben bei rascher Dekompression. Klin. Wschr., 1939, **18**: 988–90.—**Sweeney, H. M.** Explosive decompression. Air Surgeon Bull., 1944, **1**: No. 10, 1–4.

—— Decompression: Resistance.

United States. Naval School of Aviation Medicine. Medical Research Division. Change in resistance to decompression. 9p. 28cm. Wash., 1942.
Forms. Rep. No. 92, Com. Aviat. M. U. S. Nat. Res. Counc.

—— Dental and oral effect.

Brickman, I. W. Toothache in the low-pressure chamber. U. S. Nav. M. Bull., 1944, **43**: 292–6.—**Dental** pain at high altitudes. Bumed News Letter, Wash., 1944, **4**: No. 11, 16.—**Girod, C. E.**, jr. Oral aspects of high altitude flights. J. Am. Dent. Ass., 1944, **31**: 1486–8.—**Schuessler, C.** The effect of high altitude on oral tissues. Mil. Surgeon, 1947, **100**: 318–22.

—— Ear, nose and throat.

Gurkov, A. D. [Significance of the accessory sinuses of the nose in the pathogenesis of headaches during training in the barometric chamber and during high altitude flights] J. med. Kiev, 1940, **10**: 1635; 1941, **11**: 305.—**Mikhlin, E. G.** [Vascular reaction of mucous membrane of the nasal cavity during flights at various altitudes] Vest. otorinolar., 1939, No. 5, 69–73. —— [Sensation of pain in the region of the frontal sinuses in aviators at high altitude] Ibid., 1941, No. 3, 35–40.—**Popov, A.** [Pains in the accessory sinuses of the nose in high altitude flying] Voen. san. delo, 1938, No. 2, 45–9.

—— Eye and vision.

Moss, H. L., & McDonald, P. R. The effect of high altitude on the curvature of the cornea. 6p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 61, U. S. Air Force School Aviat. M.

Rose, H. W. Study of acclimatization during a two-week exposure to moderate altitude (10,000 feet) effect of altitude adaptation on night vision and ocular muscle balance. 16p. 26cm. Randolph Field, 1949.
Forms Rep. No. 1, Proj. No. 21–02–029, U. S. Air Force School Aviat. M.

Grether, W. F., Cowles, J. T., & Jones, R. E. The effect upon four visual illusions of anoxia produced by exposure to a pressure altitude of 15,000 feet. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 19, 250–3.

—— Fatalities.

See also below, **Anoxia.**

Gelfan, S. Survival time of animals exposed to extremes o altitude. Sympos. Mil. Physiol., Wash., 1947, 117.

—— Fluctuation.

Mahady, S. C. F. Incidence of aircrew discomfort during exposure to limited fluctuations in altitude. 4p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 185, U. S. Air Force School Aviat. M.

—— Gastrointestinal tract.

ADLER, H. F., & GRODINS, F. S. Abdominal symptoms at altitude. v. p. [43] l. 27cm. Randolph Field, 1947.
Forms Rep. No. I, Proj. No. 493, U. S. Air Force School Aviat. M.

MCDONOUGH, F. E. Roentgenographic observations on the amount and distribution of intestinal gas at altitude in relation to abdominal symptoms. 21p. 27cm. Randolph Field, 1943.
Forms Rep. No. I, Proj. No. 193, U. S. Air Force School Aviat. M.

TILLISCH, J. H. The effect of diet on gastrointestinal symptoms at altitude. 7p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 208, U. S. Air Force School Aviat. M.

Adler, H. F. Abdominal symptoms at altitude. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 24–7.—**B., R. B.** Gas pains while flying. Bumed News Letter, Wash., 1943, **2:** 9.—**Gallouin, L., & Grognot, P.** Dimensions de l'aire cardiaque du personnel navigant d'une formation militaire. Méd. aéronaut., 1947, **2:** 176–9.—**Influence** of altitude flying on gastric function. Bull. War M., Lond., 1941–42, **2:** 238 (Abstr.)

—— Hematology.

MCDONALD, R. K., & KELLEY, V. C. Study of acclimatization during a two-week exposure to moderate altitude; some observations on the effects of altitude on metabolism; hemoglobin metabolism and erythropoiesis. 10p. 26½cm. Randolph Field, 1949.
Forms Rep. No. 3, Proj. No. 21–02–029, U. S. Air Force School Aviat. M.

MAHADY, S. C. F. A study of the blood and cardiovascular system following exposure to a simulated altitude of 38,000 feet. 6 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 207, U. S. Air Force School Aviat. M.

RUSHMER, R. F. The effect of simulated flights to 35,000 feet on bleeding and clotting times [6] l., 2p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 182, U. S. Air Force School Aviat. M.

Mazza, M. A. La fórmula leucocitaria y sus variaciones en la altura. Rev. san. mil., B. Air., 1941, **40:** 977–88.—**Reissmann, K.** Investigations on the mechanism of changes in the blood during high altitude adaptation in parabiotic rats. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 8. —— The importance of polycythemia in increased altitude tolerance. Ibid., 1948, Apr., 3; July, 3; Oct., 2; 1949, Jan., 2; July, 4.

—— Immunological aspect.

Flickinger, D., & Adler, H. F. Effect of altitude on resistance and immunity. Sympos. Mil. Physiol., Wash., 1947, 43.—**Kalmanson, G., Garrard, W., & Irwin, C.** The effect of the anoxia produced at high altitude on infection and immunity. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., I4.

—— Injuries.

Goggio, A. F., & Houck, G. H. Physiologic abnormalities and pathologic changes following exposure to simulated high altitudes. War Med., Chic., 1945, **7:** 152–6.

—— Instruction.

Carson, L. D. Indoctrination of flying personnel in physiologic effects of high altitude flying and need for and use of oxygen. J. Aviat. M., 1942, **13:** I62–9.

—— Medical aspect.

Armstrong, H. G., & Heim, J. W. Medical problems of high altitude flying. J. Laborat. Clin. M., 1940–41, **26:** 263–71.—**Behnke, A. R.** Concepts derived from investigations pertaining to high altitude flight. J. Am. M. Ass., 1947, **133:** 450–6.—**Grant, D. N. W.** Medical aspects of high altitude flight. Ann. Int. M., 1943, **18:** 1006–11.—**Marshall, G. S.** Medical notes on altitude flying. Brit. M. J., 1936, **2:** 731.—**Rickard, H. J.** Medicos in the stratosphere or high altitude flying with both feet on the ground. Contact, Pensacola, 1941–42, **1:** 12–7.

—— Metabolic effect.

MCDONALD, R. K., & KELLEY, V. C. Study of acclimatization during a two-week exposure to moderate altitude; some observations on the effects of altitude on metabolism; liver function. 8p. 27cm. Randolph Field, 1949.
Forms Rep. No. 2, Proj. No. 21–02–029, U. S. Air Force School Aviat. M.

—— Studies of the effects of acute exposure to simulated altitudes on dextrose tolerance and insulin tolerance. 17p. 27cm. Randolph Field, Tex., 1947.
Forms Rep. No. 1, Proj. No. 502 U. S. Air Force School Aviat. M.

Büsing, K., & Kauff, W. Untersuchungen über den Kreatinhaushalt unter den Bedingungen des Höhenfluges und seine Beeinflussbarkeit durch Vitamin B_1. Zschr. physiol. Chem., 1943, **276:** 87–96.—**Fancher, J. A.,** jr. Studies of effects of altitude on liver function: correlation of changes in clinical tests with changes in protein and lipid constituents of the blood. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 3. —— **Keyes, G. H.** [et al.] Some studies of metabolism during adaptation to altitude. Ibid., 1949, Jan., 2.—**Flickinger, D., & Adler, H. F.** Effects of reduced atmospheric pressure on excretory function. Sympos. Mil. Physiol., Wash., 1947, 45.—**Keyes, G. H., Burkhardt, W.** [et al.] Some studies of metabolism during adaptation to altitude. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 2.—**Rühl, A., Kühn, W., & Müller, G.** Zur Frage einer therapeutischen Beeinflussung des Arbeitsstoffwechsels im Unterdruck. Luftfahrtmedizin, 1938–39, **3:** 285–301.

—— Musculoskeletal system.

RATNOFF, O. D. The absence of roentgenographically demonstrable bony changes at the hip joint in subjects exposed to simulated high altitudes. 3p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 201, U. S. Air Force School Aviat. M.

—— Nervous system.

HALL, F. G. The effect of prone position upon the duration of useful consciousness at altitude. 6 l. 27cm. Dayton, 1948.
Forms No. MCREXD–696–107I, Memo, Rep. Aero M. Laborat. U. S. Air Force.

—— The interval of useful consciousness at various altitudes. 16p. 27cm. Dayton, 1949.
Forms No. MCREXD–696–I07J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

THORNER, M. W. A study of cerebral physiology at high altitudes. 2 pts 7p.; 6p. 27cm. Randolph Field, 1943–44.
Forms Rep. No. I & 2, Proj. No. 60, U. S. Air Force School Aviat. M.

Brown, G. A., Cronick, C. H. [et al.] Nervous system dysfunction in adaptation to high altitude and as postflight reactions. War Med., Chic., 1945, **7:** 157–61.—**Engel, G. L., Romano, J.** [et al.] A migraine-like syndrome associated with exposure to high altitude. Proc. Centr. Soc. Clin. Res., 1943, **16:** 86. —— A migraine-like syndrome complicating decompression sickness; clinical and electroencephalographic observations. Tr. Am. Neur. Ass., 1944, **70:** 60–4. —— A migraine-like syndrome complicating decompression sickness; scintillating scotomas, focal neurologic signs and headache; clinical and electroencephalographic observations. War Med., Chic., 1944, **5:** 304–14.—**Migraine-like** syndrome complicating decompression sickness. Air Surgeon Bull., 1944, **1:** No. 7, 8.—**Schneider, M.** Die Gehirndurchblutung im Höhenkollaps. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 130 (Abstr.)

—— Oxygen toxicity.

See section heading **Oxygen poisoning.**

—— Performance.

GRODINS, F. S. The effect of seven hour exposure to a pressure altitude of 10,000 feet on psychomotor performance. 8p. 27cm. Randolph Field, 1945.
Forms Rep. No. I, Proj. No. 402, U. S. Air Force School Aviat. M.

RUSSELL, R. W. The effects of high altitudes (decreased barometric pressure) on simple mental work. 7p. 27cm. Randolph Field, 1942.
Forms Rep. No. I, Proj. No. 20, U. S. Air Force School Aviat. M.

Foltz, E. E., & Ivy, A. C. Effect of simulated high altitudes on subsequent work output. War Med., Chic., 1943, **4:** 471–4.—**Nyström, E. V.** Höjdverkan ur praktisk synpunkt. Tskr. mil. hälsov., 1944, **68:** Suppl., 182–7.

—— **Pharmacological aspect.**

See also subheading (Tolerance) also **Aviator,** Drugging.

Smith, P. K. Effects of some central nervous system depressing drugs on intellectual and psychomotor performance at 18,000 feet with and without supplementary oxygen. 7p. 28cm. Wash., 1944.

Forms Rep. No. 270, Com. Aviat. M. U. S. Nat. Res. Counc.

Lehman, A. J. Some pharmacologic problems of high altitude flying. Mod. Hosp., 1942, **59:** No. 2, 104.

—— **Research.**

De Burgh Daly, I. Proposed researches [on sensitivity to high altitudes] 2 l. 23½cm. Lond., 1941.

Forms F. P. R. C. 343, Gr. Britain Flying Pers. Res. Com.

United States. Naval School of Aviation Medicine and Research. Operation Everest. 47p. 23cm. Pensacola, Fla., 1946.

—— **Respiratory aspect.**

See also **Aircrew,** Oxygen supply; **Hyperventilation.**

Masland, R. L. Altitude tolerance when breathing oxygen and when breathing oxygen supplied under positive pressure. 11p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 313, U. S. Air Force School Aviat. M.

Wulff, V. J. Arterial oxyhemoglobin percentages measured at and computed for altitude. 14 l. 28cm. Dayton, 1943.

Forms No. ENG–49–660–48–A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Becker-Freyseng, H., Luft, U., & Opitz, E. Eichung der Matthesschen Sauerstoffuhr mit Alveolarluft. Luftfahrtmedizin, 1938–39, **3:** 309–13.—**Butler, A. M., Wilson, J. L.** [et al.] Certain observations in low-nitrogen, normal-oxygen atmospheres related to the problems of high-altitude flying. N. England J. M., 1941, **225:** 255–8.—**Henson, M., Goldman, D. E.** [et al.] Arterial oxygen saturation at altitude. J. Aviat. M., 1947, **18:** 149–57.—**Hetherington, A. W., Luft, U., & Ivy, J. H.** Changes in alveolar gas tensions during acclimatization at 10,000 feet and the effect of the latter on altitude tolerance. Sympos. Mil. Physiol., Wash., 1947, 83–7.—**Jongbloed, J., & Wildschut, A. J. H.** Carbon dioxide or oxygen-supply at high altitudes? Acta brevia neerl., 1938, **8:** 107.—**Marshall, G. S.** Respiration in high flying. J. R. Army M. Corps, 1937, **69:** 217–30. Also Flight Surgeon Topics, 1938, **2:** 63–72, 5 fig.—**Pickering, J. E., Talbot, J. M., & Chinn, H. I.** Isotopic oxygen consumption at low oxygen tensions. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 18.—**Talenti, C.** Variazioni della respirazione a bassa pressione barometrica ed in ambiente a basso contenuto di ossigeno. Riv. med. aeronaut., 1939, **2:** 209–39.

—— **Respiratory aspect: Anoxia.**

See **Anoxia.**

—— **Tolerance.**

Loeckle, W. Improving altitude tolerance, the effect of small doses of ammonia compounds 16 l. 27cm. Heidelb., 1946.

Forms No. U 11–46–24, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Lucas, B. G. B. Effect of large doses of ascorbic acid on altitude tolerance above 40,000 feet. 4 l. 26½cm. Lond., 1944.

Forms F. P. R. C. No. 581, Gr. Brit. Flying Pers. Res. Com.

Korkes, S., Chinn, H., & Marriott, W. Studies of effect of injected cytochrome c on altitude tolerance. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 15.

—— **Tolerance: Classification and testing.**

Gray, J. S. Certain advantages of a simulated flight at 38,000 feet for high altitude classification. 6 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 14, U. S. Air Force School Aviat. M.

—— Symptoms experienced during repeated low pressure chamber flights and their significance for high altitude classification. 5p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 57, U. S. Air Force School Aviat. M.

—— The reliability of procedures for high altitude classification. 6 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 70, U. S. Air Force School Aviat. M.

Grenell, R., Humm, F. D. [et al.] The reliability of the Decompression Subcommittee's 90 minute preselection test. 4p. 28cm. Wash., 1944.

Forms Rep. No. 355, Com. Aviat. M. U. S. Nat. Res. Counc.

—— [The same] 4 l. 28cm. Wash., 1944.

Forms No. 28, Rep. Yale Aeromed. Res. Unit.

Koch, E. [Symptomatologie des Kreislaufes bei Verminderung des Luftdruckes im Hinblick auf die Höhentauglichkeitsprüfung] Symptomatology of the circulatory system with decreasing air pressure in high altitude fitness testing. 6 l. 27cm. Heidelb., 1946.

Forms Feb. 26 issue of Transl. U. S. Air Force Aero M. Cent., Heidelb.

Mahady, S. C. F. The use of cardiovascular changes in the prediction of untoward reactions following a chamber flight. 4p. 28cm. Wash., 1944.

Forms Rep. No. 261, Com. Aviat. M. U. S. Nat. Res. Counc.

Prout, E. B., & Nims, L. F. The practical aspects of the selection of men suitable for experimental and high altitude flight for the aircraft industry. 10 l. 28cm. N. Haven, Conn., 1945.

Forms No. 48, Rep. Yale Aeromed. Res. Unit.

Robinson, T. W. High altitude tolerance tests. 34 l. 28cm. Dayton, 1944.

Forms No. ENG–49–696–1–F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & Donnelly, D. P. High altitude tolerance tests. 27 l. 28cm. Dayton, 1944.

Forms No. ENG–49–696–1–G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Naval School of Aviation Medicine. Medical Research Division. Final report on research project R7–2; Research project regarding classification tests in low pressure chambers. 21p. 28cm. Wash., 1942.

Forms Rep. No. 89, Com. Aviat. M. U. S. Nat. Res. Counc.

Wigodsky, H. S. Repeated low pressure chamber flights as an improved procedure for high altitude classification. 4p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 67, U. S. Air Force School Aviat. M.

Benzinger, T., Döring, H., & Hornberger, W. Wissenschaftliche Grundlagen der Prüfung auf Höhenfestigkeit mittels Atmung definierter Gasgemische. Bull. War M., Lond., 1942–43, **3:** 411 (Abstr.)—**Scholtz, G., & Gordon, H.** Aerztliche Untersuchung der Höhenflieger. Schweiz. med. Wschr., 1942, **72:** 275 (Abstr.)

—— **Training.**

See **Atmospheric chamber.**

—— **Urogenital apparatus.**

Kelley, V. C. Studies of renal function in dogs repeatedly exposed to moderate altitudes. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 1.

ALTITUDE cabin.

See under **Aircraft.**

ALTITUDE chamber.

See **Atmospheric chamber.**

AMBULANCE.

See also in this section **Ambulance Corps; Ambulance service; First aid; Hospital,** mobile;

Motor transport; Transportation; Vehicle; Wounded, Transportation.

U. S. War Department. Army regulations. No. 40–75. Ambulances; general provisions. 2p. 8° Wash., 1924.

Americans give ambulances. J. Am. M. Ass., 1940, **115:** 313.—**Perry, E. H.** Improvised ambulances. Mil. Surgeon, 1942, **91:** 693–6.—**Timofeevsky, P.** Povozka sanitarnaia. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 642–51.—**Zehnder, M.** Der Sanitätswagen. Vjschr. schweiz. Sanitätsoff., 1946, **23:** 64–8.

—— Airplane.

See **Air ambulance.**

—— amphibious.

See also **Amphibious warfare.**

Newhouse, N. H. Alligator ambulance. U. S. Nav. M. Bull., 1942, **40:** 719, pl.

—— animal-drawn.

See also **Dog; Horse.**

Kawinski, J. Rapport complémentaire sur la voiture sanitaire hippomobile. Rev. internat. Croix Rouge, 1936, **18:** 107–9.—**Semeka, S.** Konnyi sanitarnyi transport. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1425–35.—**Timofeevsky, P.** Nartovyi sanitarnyi transport. Ibid., **3:** 1236–40.—**Weaver, J. U.** Report of field test of an experimental animal drawn ambulance. Mil. Surgeon, 1936, **78:** 81–92.

—— auxiliary (Reinforcement)

See also **Winter warfare.**

Brodsky, E. M., & Artemiev, A. I. Uteplenie avtogruzovykh mashin dlia evakuacii ranenykh v zimnikh usloviiakh. Voen. san. delo, 1941, No. 9, 63.—**Evacuation** of wounded during operations involving the use of armoured personnel carriers. J. R. Army M. Corps, 1948, **91:** 46–8.—**Gotō, K.** Hōheitai danyakusya riyō ni yoru sisaku tyodatu-siki kanzya-yusōgu ni tuite [Experiments in converting the ammunition wagons of artillery regiments into wagons for conveying ill or wounded soldiers (i. e., temporary conversion)] Gun idan zassi, 1936, No. 273, 211–20, incl. 6 pl.—**Heavy** vehicles as ambulances. Brit. M. J., 1939, **2:** 934.

—— Boat and ship.

See also **Hospital ship.**

Evans, J. Motor barge as ambulance ship. Brit. M. J., 1941, **2:** 59.—**Lane, F. E.** The ambulance boat. U. S. Nav. M. Bull., 1946, **46:** 1124–6.—**Ranney, A. B.** Use of engineer stream-crossing equipment to transport litter patients. Mil. Surgeon, 1944, **94:** 303–5.

—— dental.

See also **Hospital.**

American dental ambulance aids R. A. F. Oral Hyg., Pittsb., 1942, **32:** 1632.—**First** American dental ambulance sent to England. J. Am. Dent. Ass., 1940, **27:** 1327.—**French** dental motor car; developed at Paris by Dr Gaumerais (Photograph) Frater, Menasha, 1917, **16:** 371.

—— Equipment.

See also **First aid; Litter.**

International Red Cross Conference. Document No. 18a. Report of the Standing International Commission for the Study of Ambulance Equipment. 20p. 8° Genève, 1938.

Scotland. Department of Health. D. P. Circular No. 24: Air-raid Precautions Act, 1937. Ambulance services, stretcher-carrying fitments for small ambulances. 3p. 24½cm. Edinb., 1939.

United States. Armored Medical Research Laboratory [Project No. 2: Operations at high temperatures] Sub-Project No. 2–8: Report on evaporative ambulance cooler. 3p. 28cm. Fort Knox, 1942.

Ahern, D. Emergency transport of the sick; the Berridge apparatus. J. R. Army M. Corps, 1941, **77:** 172.—**Dueno, F. P.** First aid appliances for the ambulance surgeon. Mil. Surgeon, 1940, **86:** 435–9.

—— field.

See **Field ambulance.**

—— History.

See also with various references under section headings **World War I; World War II.**

British ambulances for Greece. J. Am. M. Ass., 1941, **116:** 1980.—**Castro, A. de.** Impressões da guerra; nas ambulancias. Portugal méd., 1918, **4:** Suppl., p. cclxxxiii–ccxcii.—**Omnibus** (An) ambulance of the French Red Cross on a battlefield during the Franco-Prussian War of 1870–71 [Illust.] Ciba Sympos., 1942–43, **4:** 1388.—**Picqué, R.** Description de la voiture de chirurgie, modèle 1899, transformée en preparatoire à stérilisation (type ambulance 3/18) Bull. Soc. chir. Paris, 1915, n. ser., **41:** 1792–1803.

—— motor and jeep.

United States. Armored Medical Research Laboratory. Project No. 2: High temperatures in tanks. Final report on Sub-Project No. 2–29: Test of truck, ¾ ton, refrigerated ambulance. v. p. 28cm. Fort Knox, 1943.

—— Project No. 10: Final report on Project No. 10: Test of truck, ¾ ton, improved insulated ambulance. v. p. 28cm. Fort Knox, 1943.

American front line ambulances. Nurs. Times, Lond., 1940, **36:** 580.—**Bailey, K. V.** A light trailer ambulance. Brit. M. J., 1942, **2:** 296.—**Bruner, C. R.** Conversion of jeep ambulance for all types of litters. U. S. Nav. M. Bull., 1945, **44:** 1077.—**Flickinger, D. D.** The Porter radio-equipped Air Corps ambulance. Flight Surgeon Topics, 1938, **2:** 156.—**Moir, J. L.** A light trailer ambulance. Brit. M. J., 1942, **2:** 160.—**Patterson, J. K.** A jeep ambulance. U. S. Nav. M. Bull., 1943, **41:** 1127–30.—**Timofeevsky, P.** Avtomobil sanitarnyi. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 40–4.—**Wallin, S. P.** Simple method of converting Stokes stretcher-type jeep ambulance into a field litter-type ambulance. U. S. Nav. M. Bull., 1944, **42:** 1184–6.—**Wilmot, T. J. T.** A light trailer ambulance. Brit. M. J., 1942, **2:** 566.

—— parachute.

See under **Field ambulance.**

—— radiological.

See also **Radiology.**

Crespellani, C. Le nuove autoambulanze radiologiche da guerra nodello 1935. Nuntius radiol., Siena, 1936, **4:** 3–17, 5 pl.

—— sleigh, sled, and ski.

Harvey, P. W. The traineau pourcier. J. R. Army M. Corps, 1948, **91:** 297–300.—**Johnson, J. B.,** jr, & **Wilson, G. H.** The Davisson ski ambulance. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 186. ——— Snow and ice ambulance. Ibid., 228, 235.—**Macauley, W. C.** A sand sledge. Brit. M. J., 1917, **2:** 805.—**Schaefer, W. O.** Der neue Schlitten der Gebirgstruppe für den Verwundetentransport. Deut. Militärarzt, 1940, **5:** 238.—**Timofeevsky, P.** Lyzhno-nosilochnye ustanovki. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 595–601.

—— special.

Clark, D. M. Modification of ambulances for crash use. 15 l. 27cm. Dayton, 1944.

Forms No. TSEAL–3–698–29, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Stretcher on wheels.

See also **Litter,** Two-wheel.

Britnev, V. [First-aid two-wheeler] Voen. med. J., 1915, **244:** med. spec. pt, 596–601.—**Chalier, A.** Nouveau modèle de chariot-brancard. Lyon chir., 1936, **33:** 326–8.—**Demolder, P.** Rapport à la Commission de standardisation de matériel sanitaire sur l'adaptation du brancard de campagne standard sur roues. Rev. internat. Croix Rouge, 1929, **11:** 849–77, 8 pl.—**Georgievsky, A.** [Changes in the construction of the canvas top of the two-wheel ambulances] Voen. san. delo, 1936, No. 12, 41.—**Kawinski, J.** Rapport sur l'aménagement de la charrette à bras à deux roues pour le transport de deux blessés. Rev. internat. Croix Rouge, 1936, **18:** 106.—**Schulz.** Fahrräderbahren zum Krankentransport. Med. Klin., Berl., 1940, **36:** 1010 (Abstr.)—**Timofeevsky, P.** Nosilki. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1370–9, 2 pl.

AMBULANCE Corps (and Company)

Bastion, J. E., & Webster, H. B. Ambulance company training and equipment. 40p. 24cm. Camp Greenleaf, 1918.

Smith, H. L. Memoirs of an ambulance company officer. 226p. 19½cm. Rochester, Minn., 1940.

British American Ambulance Corps. J. Am. M. Ass., 1942, **118**: 146.—**Jackson, D. N.** The mobile unit in action. Brit. M. J., 1940, **2**: 682, plan.—**Scott, M. M., Dundon, H. C.** [et al.] The mobile unit in action. Ibid., 1941, **1**: 99.—**U. S.** Army ambulance corps (ca 1901) For photograph see Collect. in Library.

AMBULANCE section.

See also **Unit,** medical.

Forteza, S. Las escuadrillas de salvamento de tripulaciones aeronáuticas internacionales del Puerto de Pollensa. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11, Congr., **2**: 225.—**Royal** Australian Air Force Air Ambulance Unit. Med. J. Australia, 1941, **2**: 373.

AMBULANCE service.

See also **Evacuation; Wounded,** Transportation.

Aparicio de Santiago, J. Modernización de los servicios de evacuación. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 212.—**United States** Army Ambulance Service. In: Med. Dep. U. S. Army in the World War, Wash., 1925, **8**: 223–59.

—— air.

See **Air evacuation.**

—— Convoy.

O'Grady, P. J. S. The organization and uses of a motor ambulance convoy. J. R. Army M. Corps, 1937, **69**: 167–77.—**Organization** and operation of a motor ambulance convoy. Ibid., 1935, **65**: 99–107.—**Stephen, R. A.** Road movement by field ambulance on convoy. Ibid., 1940, **75**: 189–92.

—— field.

See **Field ambulance.**

—— History.

See also subheading (Red Cross)

American Ambulance Field Service. Section VIII. Diary. 71p. 20cm. Bost., 1917.

Geer, A. Mercy in hell. 3. print. 264p. 21cm. N. Y., 1943.

Sturtevant Engineering Co. Sturtevant war letters [America's Ambulance at Neuilly] 3 p. l., p.219–30. illust. plates. 4° Par., 1915.

Truby, A. E. History of the airplane ambulance, compiled in the office of the chief of air service. v. p. 4° Wash., D. C., 1922.

Colaço Belmonte, A. [With the ambulance of the Netherlands Red Cross to Finland] Ned. tschr. geneesk., 1940, **84**: 2839–47.—**Depage, A.** Ambulance belge à Constantinople pendant la guerre des Balkans. Anjou méd., 1913, **20**: 97–114. Also J. méd. Bruxelles, 1913, **18**: 165–72.—**Erhardt, R.** Reseberättelse från Svenska ambulansen i Turkiet under 1. Balkankriget. Tskr. mil. hälsov., 1914, **39**: 147–83.—**Greenough, R. B.** Report of Harvard University Service at the American Ambulance, Lycée Pasteur, Neuilly-Sur-Seine, France. Boston M. & S. J., 1915, **173**: 735–40.—**Lachaise, J. M. P. R., Meidinger, F. E., & Demontes, R. E.** Une ambulance d'évacuation et son groupe chirurgical dans les opérations de police de l'Atlas, de mai à septembre 1932. Arch. méd. pharm. mil., 1935, **103**: 765–809, map.—**Melly, J. M.** An ambulance service for Ethiopia. Lancet, Lond., 1935, **2**: 632.—**Osgood, R. B.** The Harvard unit at the American Ambulance in Paris. Boston M. & S. J., 1915, **172**: 727.—**Ransom, J. E.** Care of the sick and wounded in early wars; the prehistory of ambulance service. Ciba Sympos., 1946–47, **8**: 541–6. —— The development of ambulance service in the armies of Great Britain, the United States and other countries. Ibid., 553–9.—**Rebreyend.** Philippopoli et son ambulance française. Hygiène, Par., 1913, **4**: No. 41, 9–14.—**Ribbing, S.** [Roentgenological experiences of the Swedish Red Cross ambulance in Finland] Nord. med., 1940, **8**: 2712.—**Skinner, H. G.** Notes on a mule borne A. D. S. J. R. Army M. Corps, 1945, **85**: 173.—**Swiss** (A) ambulance unit in the Finnish war. J. Am. M. Ass., 1941, **116**: 429.—**Szczechura, R.** [History of the first Polish ambulance] Lek. wojsk., 1936, **28**: 453–65.—**Townshend-Stephens, C. R.** John Melly; or, The British ambulance service in Ethiopia. S. Barth. Hosp. J., Lond., 1935–36, **43**: 223–30.

—— Instruction.

Balaszeskul, F. O wyszkoleniu szeregowych sanitarnych funkcyjnych. Lek. wojsk., 1927, **9**: 316–9.—**Cox, W. L. S.** Mechanized field ambulance training; Gibraltar. J. R. Army M. Corps, 1939, **73**: 179–84.—**Fotheringham, J. B.** Training a (mechanized) cavalry field ambulance; Egypt, 1936. Ibid., **72**: 151–63.—**Gibson, N. J.** Random notes in field ambulance training. Ibid., 1941, **77**: 92–4.—**Hood, A.** Training with a cavalry field ambulance. Ibid., 1935, **65**: 320–4, ch.—[**Instructions** in ambulance training and service] Militærlægen, 1936, **42**: 167–211.—**Kinnear, J.** Territorial field ambulance training in camp. J. R. Army M. Corps, 1938, **71**: 102–5.—**Lethem, W. A.** The training of a territorial field ambulance in camp. Ibid., 1939, **72**: 26–9.—**Stewart, D., O'Dwyer, J. J., & Donnelly, J. H.** An account of the annual training of a cavalry field ambulance (1938) Ibid., 224–35.—**Winter, H. G.** The training of personnel in field ambulance duties. Ibid., 1936, **67**: 321–5.

—— marine.

Marine ambulance service at Miami, Fla. Pub. Health Rep., Wash., 1942, **57**: 1944, 2 pl.

—— motor.

Bouissou. Services de santé et motorisation. Bull. internat. Serv. santé, Liége, 1937, **10**: 599–615. —— Also Engl. transl., 616–8.—**Darnall, C. R.** Mechanized evacuation within the combat regiment. Mil. Surgeon, 1941, **88**: 395–413.—**Delvoye, P. J.** De l'organisation et du fonctionnement du service chirurgical dans un hôpital d'évacuation motorisé. Rev. Corps san. mil., Par., 1945, **1**: 97–115.—**García Valcárcel, A.** La evacuación hasta el automóvil-ambulancia. Rev. españ. med. cir. guerra, 1940, **5**: 234–48.—**Marotte.** Sur l'utilisation des automotrices pour le transport des blessés. Rev. internat. Croix Rouge, 1936, **18**: 110–3.—**Motorised** field ambulance. Lancet, Lond., 1939, **2**: 665.—**Nisimura, S., Nakazima, E., & Isii, Y.** Kanzya zidōsya oyobi zidō-kasya ni yoru kanzya yusō no kenkyū [... transportation of patients by auto-ambulance and by auto-truck] Gun idan zassi, 1936, No. 276, 645–64, incl. 2 pl.—**Sabrié, L. R.** Les évacuations en autorails; organisation et fonctionnement. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 191–216. Also Bull. internat. Serv. santé, Liége, 1937, **10**: 525–41. Also English transl., 541–7.—**Scott, T. G.** Motor transportation requirements for shipside evacuation of sick and wounded. Mil. Rev., Fort Leavenw., 1944, **24**: No. 5, 39–41.—**Semeka, S.** Avtomobilnaia sanitarnaia rota. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 44–9, pl.—**Timofeevsky, P.** Avtomobilnyi sanitarnyi transport. Ibid., 54–64.—**Vernengo, A. R.** Ventajas de la motorización sanitaria en el transporte y tratamiento del herido de guerra. Rev. mil., B. Air., 1940, **40**: pt 2, 1173–80.

—— naval.

Holmgren, B. Evacuation of the wounded from naval forces. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 218.—**Keevil, J. J.** Disposal of casualties during and after a naval action. In: Interallied Conf. War Med. (1942–45) 1947, 29–32.—**Morrison, O. B., jr, & Mazet, R., jr.** How shall we evacuate the casualties? U. S. Nav. M. Bull., 1946, **46**: 1848–52.—**Shestov, V.** Evakuacia medicinskaia morskaia. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1110–2.

—— Red Cross.

See also sect. head **Red Cross.**

Groth, K. E. [Experiences of the Swedish Red Cross ambulance No. 1, in southern Finland] Nord. med., 1940, **8**: 2695–705.—**Hylander, F.** [Experiences with the Finnish ambulance at the front and during the last phase of the Russo-Finnish war in the Karel forests] Ibid., 2705–11.—**Odelberg, A.** [Experiences of the Red Cross ambulance in Finland] Ibid., 2690–2.—**Outline** of Red Cross aid in evacuation of casualties. Bumed News Lett., Wash., 1944, **4**: No. 4, 29.—**Palmer, I.** [Statistics of medical attendance by the Red Cross Ambulance No. 2, in northern Finland] Nord. med., 1940, **8**: 2692–5.—[**Red Cross** ambulance in Ethiopia] Geneesk. tschr. Ned. Indië, 1936, **76**: 1782–90.—**Salmson, G.** [Experiences with the Red Cross ambulance at the front, in Kemijärvi] Nord. med., 1940, **8**: 2695.

—— reinforced.

See also subheading (auxiliary)

Katō. Sityō-hei tyūtai wo motte suru kanzya yusō kenkyū [Study on transportation of the sick by unloaded commissariat companies] Gun idan zassi, 1927, No. 164, 161–70.—**Use** of the metropolitan ambulance. Month. Health Rep. Mil. Distr. Washington, 1948, **1**: No. 4, 15.

AMEBIASIS.

See under **Epidemic.**

AMMUNITION.

See **Atomic bomb; Bombardment; Chemical agent; Explosive; Gas; Gunpowder; Matériel; Munitions; Ordnance; Weapon.**

AMPHIBIOUS forces.

See also section heads **Amphibious warfare; LST; Vessel.**

Duties of Force Surgeon, Seventh Amphibious Force, 1943. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 7.—**Functions** of Force Medical Officer, Amphibious Force, Eighth Fleet, 1944. Ibid., 3.—**Rear** echelon; training; Sixth Amphibious Force, Atlantic Fleet [ch.] Ibid., App. C, 4.

AMPHIBIOUS warfare.

See also preceding heads; also **Injury**—by branch of service; **Invasion**. For historical examples see under **World War II.**

Ashburn, F. S. Mobile surgery unit for amphibious operations. U. S. Nav. M. Bull., 1944, **43**: 552–4.—**Baxter, J. P., III.** Amphibious warfare. In his Scientists Against Time, Bost., 1946, 67–82.—**Binning, R.** Medical organization for amphibious warfare; experiences of four landings in the Mediterranean. In: Interallied Conf. War Med. (1942–45) 1947, 50–3.—**Carson, L. D.** The evacuation of sick and non-effective wounded in amphibious warfare. Mil. Surgeon, 1947, **100**: 305–13.—**Clements, A. F.** Eye trauma in amphibious troop operations of the U. S. S. Solace. J. Indiana M. Ass., 1944, **37**: 404.—**Foster, R. B.** Oral surgery in amphibious warfare. J. Am. Dent. Ass., 1946, **33**: 293–304.—**Greenfield, K. R., & Palmer, R. R.** The relation of GHQ to amphibious training. In: U. S. Army in World War II, Wash., 1947, AGF **1**: 85–92.—**Henry, M. G.** Emergency surgical measures aboard an APA during an amphibious invasion. U. S. Nav. M. Bull., 1946, **46**: 1057–68.—**Hering, E. R.** The role of the Hospital Corps in amphibious assault. Hosp. Corps Q., 1943, **16**: 13–8.—**Kern, R. A.** The naval medical officer's surgical problems in amphibious warfare. J. Internat. Coll. Surgeons, 1945, **8**: 326–32.—**Knowlton, D. S.** Amphibious operations. Mil. Surgeon, 1944, **94**: 96–9.—**McNair, S. S.** Eye injuries in amphibious warfare. U. S. Nav. M. Bull., 1946, **46**: 1379–81.—**Medical** records, amphibious operations. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 18.—**Mersheimer, W. L.** Mobile surgical units for amphibious warfare. U. S. Nav. M. Bull., 1945, **45**: 551–6.—**Morrison, O. B., jr, & Mazet, R., jr.** The functions of medical units in amphibious operations. Mil. Surgeon, 1946, **98**: 204–14. Also Bull. internat. Serv. santé, Liége, 1946, **19**: 175–9.—**P., J. M.** Amphibious medicine. Mil. Surgeon, 1944, **95**: 424.—**Ulen, F. G.** Dental logistics in amphibious operations. U. S. Nav. M. Bull., 1948, **48**: 528–37.

AMPOULE.

See under **Drug supply.**

AMPUTATION.

See **Surgical technic,** Amputation; **Surgical unit,** Amputation.

ANAEROBIC infection.

See **Wound infection,** anaerobe.

ANATOMY, Pathological.

See **Pathology.**

ANEMIA.

See under **Disease.**

ANESTHESIA.

See **Injury,** Treatment: Anesthetization.

ANESTHETIZATION.

See **Injury,** Treatment: Anesthetization; **Surgical technic,** Anesthetization.

ANGULAR acceleration.

See as subheading under **Acceleration.**

ANIMAL.

See also **Ambulance,** animal-drawn; **Dog**; **Horse**; also such headings as **Casualty,** animal; **Chemical warfare**; **Embarkation**; **Epizootic**; **Evacuation**; **Hospital**; **Transportation**; **Veterinary Corps**; **Wound**—in animals.

American Red Star Animal Relief. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 557.—**Igarasi, Y.** Nan-Si ni okeru gun-yō dōbutu eisei ni kan-suru tyōsa gaiyō [... military animal hygiene in South China] Rikugun zyūidan hō, 1942, 554–64.—**MacKellar, R. S., jr.** The use of animals in the present war. Mil. Surgeon, 1945, **97**: 30–3.—**Military** use of animals. North Am. Vet., 1942, **23**: 84. Also Vet. Pract., Evanston, 1942, **23**: No. 3, 17.—**Nan-Si** (hoku-bu Hutu-In) gun-yō dōbutu eisei ni tuite [Hygiene of the military animals in South China (Northern French Indo-China)] Rikugun zyūidan hō, 1942, 308–15.—**Robinet, G.** Gli animali e la guerra. Minerva (Riv.), 1940, **50**: 244.—**Soegawa, M., & Katō, H.** Nanchang, Hsüanchang oyobi Tangyang hukin ni hassei-seru gun-ken, gun-ba no Trypanosoma-syō ni tuite [Trypanosomiasis in war dogs and war horses in the vicinity of Nanchang, Hsüanchang and Tangyang] Rikugun zyūidan hō, 1942, 78–91, incl. 2 pl.—**Steevenson, G. F.** The collection of animals for slaughter in India. J. R. Army Vet. Corps, 1944–45, **16**: 157–9.—**Watanabe, Y.** Riku-Zyū-siki muketu kyosci-ki ni tuite [An instrument devised by the Army Veterinary School for the bloodless castration of animals] Rikugun zyūidan hō, 1942, 365–78.—**Yamane, S.** I-gun dōbutu sityō no katudō to sono kyōkun [Transport animals in the Italian Army and their training] Ibid., 206–13.

ANOXIA.

See also **Altitude.**

[United States] National Research Council. Committee on Aviation Medicine. Subcommittee on Oxygen and Anoxia. Minutes of the meeting. Wash., 1944–

Yale University. School of Medicine. Yale Aeromedical Research Unit. Report No. 41: A memorandum concerning studies under Contract OEMcmr–38 on problems of anoxia in man and animals since June 1944. 6 l. 28cm. N. Haven, 1945.

Anoxia in high altitude flying. Med. J. Australia, 1943, **2**: 172.—**Armstrong, H. G.** Anoxia in aviation. J. Aviat. M., 1938, **9**: 84–91.—**Bauer, L. H.** High altitude and oxygen want Cyclop. Med. (Piersol-Bortz) Phila., 1939, **1**: 883–6.—**Burchell, H. B., & Masland, R. L.** Anoxia. Air Surgeon Bull., 1944, **1**: No. 4, 5–7.—**Dussik, K. T.** Entwicklung von der Höhenforschung zur klinischen Verwertung des Sauerstoffmangels. Wien. Beitr. Neur., 1949, **2**: 117–20.—**Dybowski, W.** Badanie lotników w komorze niskich ciśnień. In: Zarys wspól. metod. bad. lotn. lek. (Huszczy, A.) Warsz., 1936, 78–94.—**Gauer, O.** Fliehkrafterträglichkeit bei Sauerstoffmangel. Luftfahrtmedizin, 1944, **9**: 104–8.—**Gemmill, C. L.** A review of research work on anoxia and oxygen equipment carried out in the Physiological Section of the Research Division of the School of Aviation Medicine. Contact, Pensacola, 1944–45, **4**: 390–2.—**Genaud, P. E. M.** Anoxie. Rev. Serv. san. mil., Par., 1939, **110**: 373–431.—**Gray, G. W.** Three stages of oxygen starvation. In his Science at War, 3. ed., N. Y., 1943, 228–30. ——— Anoxia on the dawn patrol. Ibid., 230–2.—**Hardmeier, E.** Zum Problem des relativen Sauerstoffmangels bei Flügen in mittleren Höhenlagen (2500–4000 m) Vjschr. schweiz. Sanitätsoff., 1949, **26**: 91–4.—**Jokl, E.** Medical problems of aviation; reflex responses at high altitudes; the anoxaemic oxygen collapse. J. R. Army M. Corps, 1939, **73**: 289–92.—**Nims, L. F.** Anoxia in aviation. Annual Rev. Physiol., 1948, **10**: 305–14.—**Skrypin, V.** Hipoksemia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1258–67.—**Stories** of anoxia. Contact, Pensacola, 1941–42, **1**: No. 2, 15.

—— acute and fulminating.

Kossmann, C. E. Follow-up report of a case of severe anoxic anoxia with recovery. 10p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 372, U. S. Air Force School Aviat. M.

Acute high altitude anoxia. Bull. U. S. Army M. Dep., 1945, No. 89, 57.—**K., B. G.** Electrocardiographic changes in fulminating anoxia. Bumed News Lett., Wash., 1943, **2**: No. 6, 12.—**King, B. G., & Henson, M.** Electrocardiographic changes in fulminating anoxia. J. Aviat. M., 1947, **18**: 3–17.—**Kossmann, C. E.** Severe anoxic anoxia; follow-up report of a case with recovery. Ibid., 465–70.—**Piacentini, V.** L'anossia acuta provocata dalla respirazione di miscele povere di ossigeno. Riv. med. aeronaut., 1943, **6**: 30–50.—**Ward, R. L., & Olson, O. C.** Report of a case of severe anoxic anoxia with recovery. J. Aviat. M., 1943, **14**: 360–5

—— Cardiovascular system.

Gauer, O., & Kramer, K. Measurement of cardiac ventricular pressures of intact animals exposed to oxygen want. 10 l. 27cm. Heidelb., 1946.

Forms No. 08–46–38, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Hemingway, A. The effect of oxygen deprivation on cardiovascular and cerebral function as observed in the anoxia demonstration at 35,000 feet [4] l. 27cm. Randolph Field, 1944.

Forms Rep. No. 2, Proj. No. 226, U. S. Air Force School Aviat. M.

HENRY, J. P., KLAIN, I. [et al.] On the effects of acute anoxia on the permeability of the capillaries in the human arm [12]p. 28cm. Wash., 1946.

Forms Rep. No. 497, Com. Aviat. M. U. S. Nat. Res. Counc.

KOSSMANN, C. E. Venous pressure, circulation time, and cell-plasma ratio during acute progressive anoxia in man. 14p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 4, U. S. Air Force School Aviat. M.

STARR, I., & MCMICHAEL, M. Changes in circulation and respiration in anoxemia. 6p. 28cm. Wash., 1943.

Forms Rep. No. 165, Com. Aviat. M. U. S. Nat. Res. Counc.

WHITE, M. S. The effect of anoxia of high altitude flight on the electrocardiogram. 7p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 11, U. S. Air Force School Aviat. M.

Baum, W. S., Malmo, R. B., & Sievers, R. F. A comparative study of the effects of exercise and anoxia upon the human electrocardiogram. J. Aviat. M., 1945, **16:** 422–8.—**Faraglia, L., Piacentini, V., & Gennaro, T.** La velocità della circolazione del sangue nell'anossia. Riv. med. aeronaut., 1943, **6:** 69–75.—**Glock, W.** Untersuchungen bei Atmung sauerstoffarmer Genischluft; fortlaufende Verzeichnung der Pulszeit. Luftfahrtmedizin, 1941–42, **6:** 201–12. Also Bull. War M., Lond., 1942–43, **3:** 411 (Abstr.)—**Gollwitzer-Meier, K.** Ueber die Azidose des Herzmuskels unter Sauerstoffmangel. Ibid., 526 (Abstr.)—**Grandpierre, R., & Franck, C.** La dilatation et l'hypertrophie cardiaques dues à l'anoxémie. Méd. aéronaut., 1947, **2:** 279–94.—**Heimsoth, G.** Pulsfrequenz und Austreibungszeit des Herzens nach Versuchen im Hochgebirge, bei Arbeit und bei akutem Sauerstoffmangel. Zschr. Kreislaufforsch., 1942, **34:** 329–35.—**Herbst, R.** Der Einfluss des Sauerstoffmangels auf den Kreislauf. Luftfahrtmedizin, 1936, **1:** 20–5.—**Jensen, K., Kratz, W., & Schoedel, W.** Periphere Kreislaufumstellung im akuten Sauerstoffmangel. Ibid., 1940–41, **5:** 40–6.—**Kramer, K., & Luft, U. C.** Activities of the vascular system during hypoxia. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 15; 1949, Jan., 24.—**Loeschcke, H.** Die Grenzen der Kreislaufumstellung im akuten O_2-Mangelversuch. Luftfahrtmedizin, 1942, **7:** 1–8.—**Lo Monaco Croce, T., & Giacobini, E.** Modificazioni roentgenchimografiche ed elettrocardiografiche del cuore nelle condizioni di massima anossia nell'uomo. Riv. med. aeronaut., 1942, **5:** 14–44.—**Meneses Hoyos, J.** El electrocardiograma de la anoxia experimental. Bol. san. mil., Méx., 1949, **2:** 243–51.—**Mercker, H.** Zur Frage der Herzinsuffizienz im Sauerstoffmangel. Luftfahrtmedizin, 1943, **8:** 217–23.—**Rein, H.** Abhängigkeit der Energieumsetzungen im Herzen von der Leber im besonderen Hinblick auf seine Leistungsfähigkeit im Sauerstoffmangel. Schr. Deut. Akad. Luftfahrtforsch., 1943, **7:** 69–71.—**Schütz, E.** Elektrokardiogramm und Sauerstoffmangel. Luftfabrtmedizin, 1937–38, **2:** 192.—**Schwarz, W.** Untersuchungen über die verschiedenen arteriellen Blutdruckreaktionen bei Sauerstoffmangel. Ibid., 1936–37, **1:** 82–100.—**Schwiegk, H.** Heart and lack of oxygen. Conf. Med. Consultants to Wehrmacht. 2. Conf. (1942) 1948, Proj. 1, pt 8, 242.—**Smith, G. M., Seitz, C. P., & Clark, K. B.** Variations in the angioscotoma in response to prolonged mild anoxia. J. Aviat. M., 1946, **17:** 590–5.—**Van Liere, E. J.** Effect of anoxic anoxia on the heart; influence of exercise and effect of acute anoxia at rest. Ibid., 1941, **12:** 131–5.—**White, M. S., Kossmann, C. E., & Ershler, I.** The effect of high altitude and rebreathing on the duration of electrical systole in man. Am. Heart J., 1942, **24:** 230–9.

—— Detection.

DRAEGER, R. H., & FAULEY, G. B. The design and construction of a simplified electronic flicker-fusion apparatus and the determination of its effectiveness in detecting anoxia. 23p. 26½cm. Bethesda, 1943.

Forms Res. Proj. X–159, U. S. Nav. M. Res. Inst.

PRAST, J. W., & NOELL, W. K. Anoxia warning device; the slow-wave activity of the brain during earlier stages of oxygen lack. 8p. 26cm. Randolph Field, 1949.

Forms Rep. No. 1, Proj. No. 21–02–050, U. S. Air Force School Aviat. M.

Prast, J. W. Anoxia warning device; equipment for indication and automatic signalization of oxygen lack by electroencephalometric means. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 4. ——— **& Noell, W. K.** Anoxia warning device. Ibid., 1948, Jan., 5; Apr., 8.

—— Effect.

See also **Acceleration** (high altitude; Tolerance)

ADAMS, W. R., ALVING, A. S. [et al.] The effects of chronic intermittent anoxia in man; introduction, summary of results at 10,000 and 11,500 feet and conclusions. 6p. 28cm. Wash., 1943.

Forms Rep. No. 160, Com. Aviat. M. U. S. Nat. Res. Counc.

—— Effects of chronic intermittent anoxia in man; miscellaneous observations. 3p. 28cm. Wash., 1943.

Forms Rep. No. 161, Com. Aviat. M. U. S. Nat. Res. Counc.

SMITH, R. E. Physiological responses to hypoxia induced in man by inspiration of a low oxygen-nitrogen mixture. 12p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 001 003 (or, X–313) U. S. Nav. M. Res. Inst.

Anthony, A. J. Ueber die Wirkung des Sauerstoffmangels unter besonderer Berücksichtigung luftfahrtmedizinischer Probleme. Münch. med. Wschr., 1940, **87:** 737.—**Barach, A. L.** Pilot error and oxygen want; with a description of a new oxygen face tent. J. Am. M. Ass., 1937, **108:** 1868–72. ——— Concerning oxygen-want in pilots flying at 12,000 feet altitudes. N. York State J. M., 1939, **39:** 121–3.—**Binet, L.** Observations physiologiques sur le mal des altitudes. In his Quest. physiol. actual., Par., 1927, 40–8.—**Dvorák, J., Kopecký, M., & Mikula, J.** Pokus o objektivní hodnocení vlivu anoxie za výškového letu. Voj. zdrav. listy, 1948, **17:** 262–4.—**Glock, W.** Untersuchungen bei Atmung sauerstoffarmer Gemischluft. Luftfahrtmedizin, 1941–42, **6:** 201; passim.—**Hartmann, D., & Adamaszek, W.** Zum Vergleich der Wirkung von Unterdruck und Sauerstoffreduktion am Menschen. Ibid., 1938–39, **3:** 116–31.—**Hiestand, W. A., & Miller, H. R.** Further observations on factors influencing the hypoxic survival of mice subjected to barometric decompression. Anat. Rec., 1944, **89:** 571.—**Leedham, C. L.** An interesting reaction to oxygen want. J. Aviat. M., 1938, **9:** 150–4.—**Physiological** responses to hypoxia induced in man by inspiration of a low oxygen-nitrogen mixture. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 2.—**Vacca, C.** Risultati di moderne ricerche sugli effetti provocati dall'anossia nell'organismo umano. Riv. med. aeronaut., 1949, **12:** 59–92.—**Wiggers, C. J.** Aviation physiology; the effects of anoxia. Clin. Bull., Clevel., 1942, **6:** 82–7.

—— fatal.

See also subheading (Pathology)

Büchner, F. Die pathogenetische Wirkung des allgemeinen Sauerstoffmangels, insbesondere bei der Höhenkrankheit und dem Höhentode. Klin. Wschr., 1942, **21:** 721–5.—**Ladewig, P.** Anoxaemic changes in the liver, with regard to the high-altitude death of airmen. Nature, Lond., 1943, **151:** 558.—**Müller, E., & Rotter, W.** Ueber histologische Veränderungen beim akuten Höhentod. Beitr. path. Anat., 1942, **107:** 156–72.—**Pichotka, J.** Tierexperimentelle Untersuchungen zur pathologischen Histologie des akuten Höhentodes. Ibid., 117–55.

—— Hematology.

SMITH, R. E., & PACE, N. The effect of acute hypoxia, with and without added carbon dioxide, on the blood cells in man. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–313, U. S. Nav. M. Res Inst.

Effect (The) of acute hypoxia, with and without added carbon dioxide, on the blood cells in man. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 20.—**Egorov, P. I.** Vliianie hipoxemii na krovoobrashchenie i krovetvorenie. Voen. san. delo, 1941, No. 1, 13–9.—**Frey, J., & Jochmann, H.** Ueber die Einwirkung des Sauerstoffmangels auf das Knochenmark. Luftfahrtmedizin, 1943, **8:** 281–9.

—— Manifestations.

FULTON, J. F., & NIMS, L. F. Decompression sickness and anoxia in man and animals. 22 l. 28cm. N. Haven, 1946.

Forms No. 54, Rep. Yale Aeromed. Res. Unit.

Grandpierre, R. Symptômes et traitement des accidents dus à l'anoxémie de l'altitude. Méd. aéronaut., 1947, **2:** 123.—**Lutz, W.** Der anoxische Scheintod. Luftfahrtmedizin, 1943, **8:** 171–95.—**Zhironkin, A.** Simptomy kislorodnogo otravleniia u cheloveka. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1225–7.

—— Mental aspect.

ANTHONY, R. A., CLARKE, R. W. [et al.] A comparison of the psychological effects of first

and second hours of exposure to anoxia at 15,000 feet. 7 l. 28cm. N. Haven, Conn., 1943.
Forms No. 18, Rep. Yale Aeromed. Res. Unit. Also forms No. 141, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Chapanis, A. Evaluation of the Contrast Discrimination Test as an anoxia demonstration device. 19p. 27cm. Dayton, 1946.
Forms No. TSEAA-695-65, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Liberman, A. M., Miles, W. R. [et al.] The effects of acute anoxia upon psychological function in man at altitudes of 3,000, 10,000, 13,000 and 16,000 feet. 5p. 28cm. Wash., 1944.
Forms Rep. No. 324, Com. Aviat. M. U. S. Nat. Res. Counc. Also forms No. 29, Rep. Yale Aeromed. Res. Unit.

Harvard University. Harvard Medical School. Department of Psychiatry. Investigation on the effect of anoxia on the electroencephalogram and on the behavior of patients with combat fatigue, psychoneurosis, and in normal control subjects. Technical report No. 10: A comparison between the automatic analyzer and hand-operated devices for the study of speech in interaction and in free association. 14 l. 28cm. Bost., 1949.
Forms Project XIV 05-664, Contract N5 ori-76, U. S. Off. Nav. Res.

—— [The same] Technical report No. 11: The effect of breathing low oxygen mixtures on a battery of psychological performance tests in psychoneurotic patients and normal controls. 16 l. 28cm. Bost., 1949.
Forms Project XIV 05-664, Contract N5 ori-76, U. S. Off. Nav. Res.

Barach, A. L., McFarland, R. A., & Seitz, C. P. The effects of oxygen deprivation on complex mental functions. J. Aviat. M., 1937, **8**: 197–207.—**Giulio, L.** La verticale apparente in condizioni di ipossia. Riv. med. aeronaut., 1949, **12**: 16–27.—**Hoffman, C. E., Clark, R. T., jr, & Brown, E. B.,** jr. Blood oxygen saturations and duration of consciousness in anoxia at high altitudes. Am. J. Physiol., 1945–46, **145**: 685–92.—**Mackenzie, C. G., Riesen, A. H.** [et al.] Duration of consciousness in anoxia at high altitudes. J. Aviat. M., 1945, **16**: 156–6 , &c.—**Shock, N. W.** The effect on learning of repeated exposures to lowered oxygen tension of the inspired air. J. Comp. Psychol., 1942, **34**: 55–63.

—— Metabolic effect.

Ivy, A. C., Farmer, C. J. [et al.] The effect on human subjects of the degree of ascorbic acid deficiency induced and of the metabolism of the vitamin by mild anoxia and its correlation with acid-base disturbances and 17-ketosteroid excretion. 4p. 28cm. Wash., 1945.
Forms Rep. No. 457, Com. Aviat. M. U. S. Nat. Res. Counc.

Keyes, G. H., & Kelley, V. C. Study of effects of altitude anoxia on glucose metabolism; the glycogenic effect of adrenal cortical extract. 6p. 26cm. Randolph Field, 1949.
Forms Rep. No. 1, Proj. No. 21-02-030, U. S. Air Force School Aviat. M.

Langley, L. L., Nims, L. F. [et al.] Anoxia, carbon dioxide and liver glycogen. 9 l. 28cm. N. Haven, 1943.
Forms No. 14, Rep. Yale Aeromed. Res. Unit. Also forms No. 108, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Nims, L. F., Bunting, H. [et al.] Anoxic anoxia and acid-base balance. 5 l. 28cm. N. Haven, 1943.
Forms No. 13, Rep. Yale Aeromed. Res. Unit. Also forms No. 107, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Faraglia, C. S. A. Analisi dei meccanismi alattacido e lattacido di contrazione del debito di ossigeno nel lavoro compiuto in parziale anossia. Riv. med. aeronaut., 1943, **6**: 139–48.—**Giardini, A.** Ricerche sui rapporti intercorrenti fra senso luminoso, anossia e glicemia. Ibid., 1948, **11**: 351–63.—**Goralewski, G.** Der Einfluss von Sauerstoffmangel auf den Calciumspiegel im Blut. Luftfahrtmedizin, 1936–37, **1**: 338–43.—**Hülnhagen, O.** Ueber Störungen der Wärmeregulation im akuten O_2-Mangel bei Kältebelastung. Ibid., 1944, **9**: 16–25.—**Jouck, K. T.** Ueber Sauerstoffverbrauch und Wärmehaushalt im Sauerstoffmangel. Ibid., 26–32.—**Keyes, G. H.** A study of the effects of altitude anoxia on glucose metabolism. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 1.—**McDonald, R. K.** Effects of altitude anoxia on glucose metabolism. Ibid., 1947, June, 3.—**Noell, W., & Chinn, H. I.** The effect of carbohydrate regulatory factors upon cortical survival in anoxia. Ibid., 1948, Oct., 3.—**Rühl, A.** Ueber den Arbeitsstoffwechsel bei Sauerstoffmangel. Luftfahrtmedizin, 1936–37, **1**: 241–58.—**Sillani, L. S.** Comportamento dei grassi totali, del fosforo lipoideo, e dei corpi chetonici nel sangue dell'organismo umano sottoposto all'azione di prolungata anossia. Riv. med. aeronaut., 1948, **11**: 15–24.

—— Nervous system.

Engel, G. L., Webb, J. P., & Ferris, E. B., jr. Quantitative electroencephalographic studies of anoxia in humans; comparison with acute alcoholic intoxication and hypoglycemia. 20p. 28cm. Wash., 1944.
Forms Rep. No. 346, Com. Aviat. M. U. S. Nat. Res. Counc.

Halstead, W. C., Adams, W. [et al.] The effects of chronic intermittent anoxia; neuropsychological aspects. 15p. 28cm. Wash., 1943.
Forms Rep. No. 159, Com. Aviat. M. U. S. Nat. Res. Counc.

Noell, W., & Chinn, H. I. The cerebral survival time of rabbits in anoxia; the development and evaluation of a standard procedure. 15p. 26cm. Randolph Field, 1948.
Forms Rep. No. 1, Proj. No. 21-02-071, U. S. Air Force School Aviat. M.

—— The cerebral survival time of rabbits in anoxia; neurophysiological factors. 14p. 26cm. Randolph Field, 1948.
Forms Rep. No. 2, Proj. No. 21-02-071, U. S. Air Force School Aviat. M.

—— The cerebral survival time of rabbits in anoxia; effects of previous oxygenation. 10p. 26cm. Randolph Field, 1948.
Forms Rep. No. 3, Proj. No. 21-02-072, U. S. Air Force School Aviat. M.

Noell, W., & Dombrowski, E. B. Cerebral localization and classification of convulsions produced by severe oxygen lack; electroencephalographic studies on rabbits. 21p. 27cm. Randolph Field, Tex., 1947.
Forms Rep. No. 1, Proj. No. 497, U. S. Air Force School Aviat. M.

Thorner, M. W. The effects of altitude chamber anoxia upon the human electroencephalogram. 9p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 119, U. S. Air Force School Aviat. M.

Baxter, N. E., White, C. S. [et al.] Syncopal reactions of anoxic subjects observed in the low pressure chamber; relationship to the incidence of epilepsy; preliminary report. U. S. Nav. M. Bull., 1944, **42**: 1103–6.—**Brazier, M. A. B.** Studies on the physiology of flight; effect of anoxia on the electroencephalogram of psychoneurotic and normal adults. Arch. Neur. Psychiat., Chic., 1946, **56**: 725–9.—**Chinn, H. I., & Noell, W.** Chemical changes of brain during anoxia. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 13; 1949, Jan., 20.—**Chornyak, J.** The pathogenesis of the structural changes in the central nervous system produced by anoxemia. Bull. U. S. Army M. Dep., 1948, **8**: 695–702.—**Klingman, W. O.** Nervous system disturbances from anoxia and related factors in flying personnel. J. Nerv. Ment. Dis., 1947, **106**: 388–93. Also Arch. Neur. Psychiat., Chic., 1948, **59**: 813–7.—**Kornmüller, A. E., Palme, F., & Strughold, H.** Ueber Veränderungen der Gehirnaktionsströme im akuten Sauerstoffmangel. Luftfahrtmedizin, 1940–41, **5**: 161–83.—**Lindenberg, R., & Noell, W. K.** Neurohistologic investigations on general oxygen deficiency of the brain. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 9.—**Lo Monaco Croce, T.** La sensibilità del riflesso ipertensorio allo stimolo anossico. Riv. med. aeronaut., 1942, **5**: 3–13.—**Malméjac, J., & Chardon, G.** Résistance des centres respiratoires vaso-moteurs et adrénalino-secréteurs à l'anoxie. Méd. aéronaut., 1946, **1**: 344–50.—**Mangiacapra, A.** La grafica cerebrale in anossia. Riv. med. aeronaut., 1943, **6**: 5–29. ——— Influenza di stimoli psichici e fisici sulla grafica cerebrale in anossia. Ibid., 149–66.—**Noell, W. K.** The recovery of the brain from anoxia after administration of analeptic drugs; electroencephalographic studies on rabbits. J. Aviat. M., 1948, **19**: 337–45. ——— & **Chinn, H. I.** The cerebral survival time of rabbits in anoxia; the development and evaluation of a standard procedure. Q. Res. Rep. U. S. School Aviat. M. 1948, Jan., 7; Apr., 10; July, 6; 1949, Jan, 5, 6. ——— The cerebral survival time of rabbits in anoxia; effects of previous oxygenation. Ibid., Jan., 8; Apr., 11; 1949, Jan., 6.—**Noell, W., & Dombrowski, E.** Cerebral localization and classification of

convulsions produced by severe oxygen lack. Ibid., 1947, June, 28.—**Noell-Schneider,** Oxygen deficiency in the cerebral circulation. Bull. War M., Lond., 1941–42, **2**: 512 (Abstr.)—**Prast, J. W., & Noell, W. K.** Indication of earlier stages of human hypoxia by electroencephalometric means. J. Aviat. M., 1948, **19**: 426–34.—**Schneider, M.** Die Gehirndurchblutung im Höhenkollaps. Bull. War M., Lond., 1942–43, **3**: 527 (Abstr.)—**Yaskin, J. C., & Thorner, M. W.** The effects upon the cerebral cortex of altitude chamber anoxia. Tr. Am. Neur. Ass., 1943, **69**: 88–93.

—— Pathology.

Lewis, R. B., & Haymaker, W. High altitude hypoxia; autopsy observations in seventy-five fatal cases and an analysis of the causes of the hypoxia. 34p. 26cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 513, U. S. Air Force School Aviat. M.

Büchner, F. Strukturveränderungen durch allgemeinen Sauerstoffmangel, insbesondere bei der Höhenkrankheit. Bull. War M., Lond., 1942–43, **3**: 526 (Abstr.)—**Kritzler, R. A.** Acute high altitude anoxia; gross and histologic observations in 27 cases. War Med., Chic., 1944, **6**: 369–77.—**Lewis, R. B.** High altitude hypoxia; the autopsy findings in 75 fatal cases and an analysis of the causes of hypoxia. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 20. —— **& Haymaker, W.** High altitude hypoxia; observations at autopsy in 75 cases and an analysis of the causes of the hypoxia. J. Aviat. M., 1948, **19**: 306–36.—**Lewis, R. B., & Pichotka, J.** The pathogenesis of the morphologic changes in the liver and other internal organs due to acute and chronic hypoxia and their functional significance. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 26. —— **& Walker, W.** Pathogenesis of the morphologic changes in the liver and other internal organs due to acute and chronic hypoxia and their functional significance. Ibid., 1947, Oct., **1**; 1948, Jan., 20.—**Luft, U.** Das morphologische Bild hypoxämischer Organveränderungen. Luftfahrtmedizin, 1937–38, **2**: 231–8.—**Van Liere, E. J., & Stickney, J. C.** The organ weight-body weight ratios in dogs following exposures to discontinuous anoxia. J. Aviat. M., 1943, **14**: 194–9.

—— Performance.

Birren, J. E., Fisher, M. B. [et al.] Effects of anoxia on performance at several simulated altitudes. 19p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–293, U. S. Nav. M. Res. Inst. Also J. Exp. Psychol., 1946, **36**: 35–49.

Brobeck, J. R., Clarke, R. W. [et al.] A biochemical study of the effect of anoxia on exercise performance in human subjects. 18 l. 28cm. N. Haven, Conn., 1943.

Forms No. 24, Rep. Yale Aeromed. Res. Unit. Also forms No. 250, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Effects of anoxia on performance at several simulated altitudes. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 17.—**Koch, A.** Ueber die Arbeitsfähigkeit des gesunden Menschen bei O_2-Mangel entsprechend einer Höhe von 4–8000 m. Luftfahrtmedizin, 1938–39, **3**: 204–15.—**Ricketts, H. T., Adams, W. R.** [et al.] The effects of mild anoxia on neuromuscular coordination in skilled investigators. J. Aviat. M., 1945, **16**: 429–31.—**Schnell, J.** Über das Verhalten des Muskelbinnendruckes (Muskeltonus) bei akutem Sauerstoffmangel. Luftfahrtmedizin, 1942, **7**: 68–83.

—— Physiopathology.

Alving, A. S., Adams, W. [et al.] The effects of chronic intermittent anoxia in man; studies of renal function. 7p. 28cm. Wash., 1943.

Forms Rep. No. 135, Com. Aviat. M. U. S. Nat. Res. Counc.

Anthony, R. A., Clarke, R. W. [et al.] Renal function in man at reduced partial pressures of oxygen. 2 l. 28cm. N. Haven, 1943.

Forms No. 17, Rep. Yale Aeromed. Res. Unit. Also forms No. 138, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Dalton, A. J., Jones, B. F. [et al.] Changes in the testes of rats following repeated daily exposure to lowered barometric pressure with reduced oxygen tension; preliminary report. 7p. 28cm. Wash., 1943.

Forms Rep. No. 166, Com. Aviat. M. U. S. Nat. Res. Counc.

Kelley, V. C., & McDonald, R. K. Further observations on the effects of altitude anoxia on renal function. 9p. 27cm. Randolph Field, 1947.

Forms Rep. No. 2, Proj. No. 506, U. S. Air Force School Aviat. M. Also in Am. J. Physiol., 1948, **154**: 201–6.

—— Some observations of the effects of altitude anoxia on renal function. 11p. 27cm. Randolph Field, Tex., 1948.

Forms Rep. No. 1, Proj. No. 506, U. S. Air Force School Aviat. M.

Anthony. Ueber die Wirkung des Sauerstoffmangels unter besonderer Berücksichtigung luftfahrtmedizinischer Probleme. Klin. Wschr., 1940, **19**: 750.—**Burkhardt, W. L., Flickinger, D., & Adler, H. F.** Production of histamine in the body during hypoxia. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 24—**Charnyi, A. M., Strelcov, V. V.** [et al.] Potreblenie kisloroda i krivaia dissociacii oxihemoglobina v period posledcistviia vysotnoi anoxii. Arkh. pat., Moskva, 1946, **8**: 22–7, illust.—**Garrard, W. D.** Effect of the anoxia produced at high altitude on infection and immunity. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 41.—**Green, D. M., Butts, J. S., & Mulholland, H. F.** The relationship of anoxia susceptibility to diet. J. Aviat. M., 1945, **16**: 311–27.—**McDonald, R. K.** Renal function studies in relation to anoxia. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 21. —— **& Kelley, V. C.** Effects of altitude anoxia on renal function. Am. J. Physiol., 1948, **154**: 193–200.—**Nichols, J.** Quantitative histochemical changes in the adrenal following exposure to anoxia. J. Aviat. M., 1948, **19**: 171–8.—**Scano, A.** Sul comportamento della pressione del liquido cefalo-rachidiano in anossia. Riv. med. aeronaut., 1947, **10**: 144–70, tab.—**Schnell, J.** Ueber das Verhalten des Muskelbinnendruckes (Muskeltonus) bei akutem Sauerstoffmangel. Bull. War M., Lond., 1942–43, **3**: 585 (Abstr.)—**Weltz, G., & Werz, R. v.** Die Darmbewegungen unter Sauerstoffmangel. Luftfahrtmedizin, 1942, **7**: 98–117. Also Bull. War M., Lond., 1942–43, **3**: 585 (Abstr.)

—— Prevention and treatment.

Davis, S. K. Effects of cytochrome C on anoxia. 8 l. 27cm. Dayton, 1948.

Forms No. MCREXD–696–112B, U. S. Air Force Aero M. Laborat.

Gibbs, F. A., Gibbs, E. L. [et al.] The value of carbon dioxide in counteracting the effects of low oxygen. 12 l. 28cm. N. Haven, 1942.

Forms No. 11, Rep. Yale Aeromed. Res. Unit. Also forms No. 47, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Gray, J. S. Concerning the use of carbon dioxide to counteract anoxia. 44p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 310, U. S. Air Force School Aviat. M.

Humm, F. D., Liberman, A. M., & Nims, L. F. Performance comparison of oxygen and oxygen-CO_2 mixtures at 43,300 feet. 5 l. 28cm. Wash., 1944.

Forms No. 32, Rep. Yale Aeromed. Res. Unit.

Ivy, A. C., Friedemann, T. E., & Grodins, F. S. Effectiveness of a high carbohydrate diet in raising the ceiling of men under the condition of anoxia. 20p. 28cm. Wash., 1944.

Forms Rep. No. 329, Com. Aviat. M. U. S. Nat. Res. Counc.

Nims, L. F., & Fulton, J. F. A memorandum concerning studies under contract OEMcmr–38 on problems of anoxia and oxygen equipment. 5 l. 28cm. Wash., 1944.

Forms No. 35, Rep. Yale Aeromed. Res. Unit.

Noell, W. K. Cerebral recovery from anoxia after use of analeptics; studies on rabbits. 10p. 26cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 519, U. S. Air Force School Aviat. M.

Smith, P. K. Effect of sulfonamide drugs on anoxia tolerance; effects of prophylactic doses of sulfanilamide, sulfathiazole, sulfadiazine and sulfapyrazine. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 76, U. S. Air Force School Aviat. M.

—— Lack of effect of thiamine chloride or nicotinic acid amide on hypoxia tolerance. 3 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 223, U. S. Air Force School Aviat. M. Also forms Rep. No. 266, Com. Aviat. M. U. S. Nat. Res. Counc.

Snapp, F. E., Adler, H. F., & Kramer, K. The effect of various respiratory stimulants on

dogs depressed by anoxia. 6p. 26cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 21-02-034, U. S. Air Force School Aviat. M.

Adler, H. F. Effect of CO_2 and O_2 on anoxic respiratory centers. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 16.—**Behnke, A. R.** Measures to counteract anoxia. Sympos. Mil. Physiol., Wash., 1947, 60–2.—**Beinert, H., Kramer, K.** [et al.] Further investigation on the injection of respiratory catalysts in an attempt to improve anoxia tolerance. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 30; 1948, Jan., 27; Apr., 37; Oct., 12; 1949, Jan., 19.—**Dill, D. B., Benson, O. O.,** jr [et al.] Benzedrine sulphate, amphetamine, and acute anoxia; respiratory effects. J. Aviat. M., 1940, **11**: 181–6.—**Emerson, G. A.** Drug prophylaxis against lethal effects of severe anoxia; neostigmine bromide and diphenylhydantoin. Proc. Soc. Exp. Biol., N. Y., 1943, **54**: 252–4. ——— & **Van Liere, E. J.** Drug prophylaxis against lethal effects of severe anoxia. J. Laborat. Clin. M., 1942–43, **28**: 689–706.—**Faraglia, L.** L'azione dell'aneurina sulla resistenza all'anossia. Riv. med. aeronaut., 1942, **5**: 391–401.—**Flickinger, D., & Adler, H. F.** A study of the role of respiratory enzymes in anoxia. Sympos. Mil. Physiol., Wash., 1947, 44.—**Garasenko, V. M.** The use of carbon dioxide at lowered barometric pressures. Am. Rev. Sovet M., 1944–45, **2**: 119–25.—**Gibbs, F. A., Gibbs, E. L.** [et al.] The value of carbon dioxide in counteracting the effects of low oxygen. J. Aviat. M., 1943, **14**: 250–61.—**Graybiel, A., Michelsen, J.** [et al.] Benzedrine sulphate, amphetamine, and acute anoxia; effects on the cardiovascular system. Ibid., 1940, **11**: 186–93.—**Knehr, C. A.** Benzedrine sulphate, amphetamine, and acute anoxia; mental work. Ibid., 194–6.—**Lo Monaco Croce, T., & Faraglia, L.** Azione dei composti benzedrinici sulla resistenza all'anossia. Riv. med. aeronaut., 1941, **4**: 109–24, ch.—**Millikan, G. A.** Anoxia and oxygen equipment. In: Advance. Mil. Med., Bost., 1948, **1**: 296–317.—**Noell, W. K.** The recovery of the brain from anoxia after application of analeptic drugs; electroencephalographic studies on rabbits. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 29. ——— & **Chinn, H. I.** The effect of carbohydrate regulatory factors upon cortical survival in anoxia. Ibid., 1949, Jan., 8.—**Petrov, I. R.** [The administration of small amounts of CO_2 combined with oxygen in anoxia] Voen. san. delo, 1942, No. 11, 50.—**Poupa, O., & Schreiber, V.** Vliv cysteinu na odolnost k výškové anoxii. Biol. listy, Praha, 1949, **30**: 190–3.—**Rahn, H., & Otis, A. B.** Survival differences breathing air and oxygen at equivalent altitudes. Proc. Soc. Exp. Biol., N. Y., 1949, **70**: 185.—**Riesen, A. H., Tahmisian, T. N., & Mackenzie, C. G.** Prolongation of consciousness in anoxia of high altitude by glucose. Ibid., 1946, **63**: 250–4.—**Schwarz, W.** Folgeerscheinungen therapeutischer O_2-Gaben bei Sauerstoffmangel. Luftfahrtmedizin, 1939–40, **4**: 14–7.—**Snapp, F. E., Adler, H. F., & Kramer, K.** The effect of various respiratory stimulants on dogs depressed by anoxia. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 20; 1949, Jan., 21.—**Wäntig, W.** Versuche zur medikamentösen Behandlung und Verhütung der Höhenkrankheit; der Einfluss einiger Medikamente auf das Verhalten des Kaninchens bei Sauerstoffmangel. Luftfahrtmedizin, 1936–37, **1**: 178–84.

—— Respiratory effect.

Adams, W., Barron, E. S. G. [et al.] The effects of chronic intermittent anoxia; alveolar gas tensions. 8p. 28cm. Wash., 1944.

Forms Rep. No. 345, Com. Aviat. M. U. S. Nat. Res. Counc.

Dustin, E. H. Effects of hypoxia on respiration after adrenolytic drugs. 66p. 27cm. Dayton, 1949.

Forms No. MCREXD-696-79H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Helmholz, H. F., jr, Bateman, J. B., & Boothby, W. M. The effects of altitude anoxia on the respiratory processes. 17p. 28cm. Wash., 1944.

Forms Rep. No. 360, Com. Aviat. M. U. S. Nat. Res. Counc.

Opitz, E. Oxygen reserve in man after interruption of oxygen at high altitude. 6 l. 27cm. Heidelb., 1946.

Forms No. S7-46-27, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Benzinger, T. Das Verhalten der Alveolarluft bei abnehmendem Sauerstoffgehalt der Einatmungsluft und bei Zusatz von Kohlensäure. Luftfahrtmedizin, 1936–37, **1**: 326–37. ——— & **König, H.** Alveolarluft und Sauerstoffmangel. Luftfahrtmed. Abh., 1938, **2**: 159–75.—**Clamann, H. G., Becker-Freyseng, H., & Liebegott, G.** Das allgemeine Verhalten und die morphologischen Lungenveränderungen verschiedener Tierarten bei langer Einwirkung erhöhten Sauerstoffteildrucks. Luftfahrtmedizin, 1940–41, **5**: 17–23.—**Eckel, K.** Zur Methodik der Mangelatmung mit definierten N_2O_2-Gemischen unter besonderer Berücksichtigung der unregelmässigen Luftdruckschwankungen. Ibid., 1944, **9**: 68–81.—**Faraglia, L.** Le condizioni respiratorie nel lavoro compiuto in anossia. Riv. med. aeronaut., 1942, **5**: 180–99.—**Fegler, J.** [Investigations on the effect of rarified atmosphere with partially equalized pressure of oxygen on the volume of the dead space in the respiratory apparatus] Polski przegl. med. lot., 1938, **7**: 1–15.—**Hartmann, D.** Zum Vergleich der Wirkung von Unterdruck und Sauerstoffreduktion am Menschen; Allgemeinverhalten und Atmungsuntersuchungen. Luftfahrtmedizin, 1938–39, **3**: 116–24.—**Helmholz, H. F.,** jr, **Bateman, J. B., & Boothby, W. M.** The effects of altitude anoxia on the respiratory processes. J. Aviat. M., 1944, **15**: 366–80.—**Koch, E.** Die Atemsteigerung bei Sauerstoffmangel. Luftfahrtmed. Abh., 1938, **2**: 154–8.—**LeMessurier, D. H.** Oxygen lack and carbon monoxide. Med. J. Australia, 1943, **2**: 121.—**Lloyd, P.** Use of oxygen on the Mount Everest Expedition, 1938. Nature, Lond., 1939, **143**: 961–3.—**Opitz.** Atemsteigerung im Sauerstoffmangel nach Höhenanpassung. Münch. med. Wschr., 1940, **87**: 870. Also Zschr. Kreislaufforsch., 1940, **32**: 423.—**Strughold, H.** Atmung und Wirkstoffe. Luftfahrtmed. Abh., 1938, **2**: 192–7.—**Vinet, L., & Strumza, M. V.** Mécanisme de la persistance de l'activité nerveuse respiratoire dans l'anoxémie. Méd. aéronaut., 1946, **1**: 338–40.

—— Sense organs.

Halstead, W. C., Adams, W. [et al.] The effects of chronic intermittent anoxia; neuropsychological aspects (dynamic visual field results) 13p. 28cm. Wash., 1944.

Forms Rep. No. 343, Com. Aviat. M. U. S. Nat. Res. Counc.

Hecht, S., Hendley, C. D., & Frank, S. The effect of anoxia on visual contrast discrimination. 13p. 28cm. Wash., 1943.

Forms Rep. No. 184, Com. Aviat. M. U. S. Nat. Res. Counc.

Hecht, S., Hendley, C. D. [et al.] Contrast discrimination charts for demonstrating the effect of anoxia on vision. 16p. 28cm. Wash., 1944.

Forms Rep. No. 358, Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. Aero Medical Laboratory. Memorandum report No. ENG-M-49-695-12H; Test for demonstration of the effects of anoxia on vision. 3p. 26½cm. Dayton, 1943.

Bietti, G. B., & Giardini, A. Influenza dell'anossia sui movimenti oculari; ricerche comparative sull'azione dell'anossia e dell'alcool da solio associati. Riv. med. aeronaut., 1949, **12**: 198–210, tab. ——— Azione della anossia acuta sul potere di fusione delle immagini retiniche. Ibid., 339–48.—**Bietti, G., & Scano, A.** Ricerche di pupillografia in anossia. Ibid., 1948, **11**: 177–209, pl.—**Dumont, P., Bailliart, J. P.** [et al.] Notes sur les troubles fonctionnels visuels et les modifications rétiniennes d'origine anoxémique chez l'aviateur. Bull. Soc. fr. opht., 1947, **60**: 348–58.—**Grether, W. F., Cowles, J. T., & Jones, R. E.** The effect of anoxia on visual illusions. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 19, 249–55.—**Grüttner, R.** Ueber das Verhalten des optokinetischen Nystagmus im akuten Sauerstoffmangel. Luftfahrtmedizin, 1944, **9**: 1–15.—**Hartmann, H.** Die obere Hörgrenze bei Sauerstoffmangel. Ibid., 1936–37, **1**: 192–202.—**Nižetić, B.,** jr. Influenza dell'anossia sulla migrazione del pigmento retinico. Riv. med. aeronaut., 1948, **11**: 516–22, pl.—**Schmidt, I., & Bingel, A.** Effect of oxygen lack on color saturation thresholds. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 5.—**Tittel, S.** Das Verhalten der optischen Reaktionszeit im akuten Sauerstoffmangel und in der anschliessenden Phase der Erholung. Luftfahrtmedizin, 1943, **8**: 201–16.

—— Sequelae.

See also **Aircraft crashing.**

Burchell, H. B. Report of accidents resulting from anoxia in aircraft. 12 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 2, Proj. No. 206, U. S. Air Force School Aviat. M.

Masland, R. L. Report of accidents resulting from anoxia in aircraft. v. p. [25] l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 206, U. S. Air Force School Aviat. M. Also forms Rep. No. 225, Com. Aviat. M. U. S. Nat. Res. Counc.

——— [The same] 83p. 27cm. Randolph Field, 1944.

Forms Rep. No. 3, Proj. No. 206, U. S. Air Force School Aviat. M.

Burchell, H. B. Report of accidents from anoxia in aircraft. Air Surgeon Bull., 1944, **1**: No. 9, 20.—**Oxygen** deficiency offered as explanation for aviation accidents. Pennsylvania M. J., 1937–38, **41**: 102.—**Wormley, G. W.** An anoxia accident in the Eighth Air Force. Air Surgeon Bull., 1944, **1**: No. 9, 20.

—— Tolerance (& acclimatization)

Gagné, R. M., & Smith, P. K. Criteria of anoxia tolerance; evaluation of a group of psychological tests for use as indices of anoxia. 27p. 27cm. Randolph Field, 1943.
Forms Rep. No. 3, Proj. No. 89, U. S. Air Force School Aviat. M.

Grether, W. F. Criteria of anoxia tolerance; development of psychological tests for use in the altitude chamber [34] l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 89, U. S. Air Force School Aviat. M.

—— & Smith, P. K. Criteria of anoxia tolerance; validation of a group of psychomotor tests as measures of the effects of partial anoxia upon human performance. 8 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 2, Proj. No. 89, U. S. Air Force School Aviat. M.

Koltze, H. *Zur Frage der Anpassung an den O_2-Mangel im Unterdruck [Berlin] 15p. 23cm. Charlottenb., 1939.

Pace, N., Consolazio, W. V., & Lozner, E. L. Preliminary studies on the transfusion of red blood cells into normal men in order to increase tolerance to hypoxia. 5p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X-524, U. S. Nav. M. Res. Inst.

Vaughan, B. E., & Houston, C. S. Physiological changes in acclimatization to high altitude; the use of the A-103 Pauling oxygen analyzer to determine oxygen partial pressure. 11 l. 27cm. Pensacola, 1946.
Forms Rep. No. 3, Res. Proj. X-720 (Av-376-s) U. S. Naval School Aviat. M.

Gordon, H., Korényi, Z., & Scholtz v. Merény, G. Ueber den Mechanismus der Höhenumstellung bei schnell eintretender Hypoxie. Luftfahrtmedizin, 1943, **8**: 290–302.—**Herbst, R.** Ueber Anpassungsvorgänge des menschlichen Körpers an Sauerstoffmangel. Luftfahrtmed. Abh., 1936–37, **1**: 141–60.—**Houston, C. S.** Operation Everest; a study of acclimatization to anoxia. U. S. Nav. M. Bull., 1946, **46**: 1783–92. Also Contact, Pensacola, 1946–47, **6**: 160–5. ——— The adaptations which produce acclimatization to oxygen lack. J. Aviat. M., 1947, **18**: 237–43.—**Leblond, C. P., Gross, J., & Laugier, H.** Effect of fasting on resistance to anoxia. Ibid., 1943, **14**: 262.—**McFarland, R. A., & Dill, D. B.** A comparative study of the effects of reduced oxygen pressure on man during acclimatization. Ibid., 1938, **9**: 18–44.—**Margaria, R., & Faragua, L.** Modificazioni della resistenza alla anossia provacate da variazione dell'equilibrio acido-base del sangue. Riv. med. aeronaut., 1941, **4**: 22–30.—**Preliminary** studies on the transfusion of red blood cells into normal men in order to increase tolerance to hypoxia. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 31.—**Reynolds, O. E., & Phillips, N. E.** Adaptation of the albino rat to discontinuous chronic exposure to altitude anoxia. Am. J. Physiol., 1947–48, **151**: 147–54.—**Schwarz, W.** Der Einfluss des Alters auf die Widerstandsfähigkeit gegen Sauerstoffmangel. Luftfahrtmedizin, 1936, **1**: 39–43.—**Vannotti, A.** The adaptation of the cell to effort, altitude and to pathological oxygen deficiency. Schweiz. med. Wschr., 1946, **76**: 899-903. Also Deut. med. Wschr., 1947, **72**: 43 (Abstr.)

ANTHRAX.

See under **Epidemic.**

ANTHROPOMETRY.

See also **Fitness; Height and weight; Medical examination; Recruiting statistics.**

Berman, I. R. The reliability of height, weight, chest, and abdominal measurements of aviation cadets. 9 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 18, U. S. Air Force School Aviat. M.

Brennecke, T. *Untersuchungen über Körperlänge, Brustumfang und rechten Oberarmumfang an Stellungspflichtigen des Kantons Basel-Stadt. 41p. 8° Basel, 1935.

Brues, A. M. Body measurements of AAF flyers (graphic) 22 l. 27cm. Dayton, 1943.
Forms No. ENG-49-695-32-L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Lobo da Silva, A. A anthropologia no Exercito brasileiro. p.7–299. 33½cm. Rio, 1928.
In: Arch. Mus. nac. Rio, 1928, **30**:

MacDonald, A. Anthropometry of soldiers. p.1071–98. 8° Bombay, 1920.
In: Proc. Anthrop. Soc. Bombay, Br. Roy. Asiat. Soc., 1920.

Randall, F. E. Anthropometric nomograph of Army men. 20 l. 27cm. Wash., 1949.
Forms No. 147, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

—— & Munro, E. H. Anthropometric nomograph of Army women. 13 l. 27cm. Wash., 1949.
Forms No. 148, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

United States. Armored Medical Research Laboratory. Project No. 9: Report on anthropometric measurements. v. p. 28cm. Fort Knox, 1943.

—— Project No. 9: Partial report on anthropometric measurements; size increase of men wearing various clothing combinations. 1p. 28cm. Fort Knox, 1945.

Balestra, D. La preparazione dell'indagine antropometrica sugli iscritti in una classe di leva in Italia. Metron, Roma, 1932–33, **10**: 53.—**Bunkin, N.** Indeksy fizicheskogo razvitiia (antropometricheskie) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 903–5.—**Cassinis, U.** La misura dei diametri toracici in confronto a quella del perimetro nel giudizio di idoneità fisica. Gior. med. mil. 1934, **82**: 4.—**Frassetto, F.** A uniform blank of measurements to be used in recruiting; a plea for the standardization of anthropological methods. Am. Anthrop., 1919, **21**: 175–81. ——— Il sistema di normalità fra statura, perimetro toracico e peso nelle norme per il reclutamento. Arch. fascista med. polit., 1928, **2**: 14–8. Also Riv. antrop., 1928–29, **28**: 469–73. ——— Rapporti fra statura peso e perimetro toracico nei soldati italiani; tabelle del valori normali e paranormali. Endocr. pat. cost., Bologna, 1933, n. ser., **8**: 31–50, 5 ch. ——— Formule di normalità fra statura peso e perimetro toracico nei soldati italiani delle classi recenti con speciale riguardo all'arma di cavalleria. Gior. med. mil., 1933, **81**: 730–60.—**Gini, C.** Alcuni risultati preliminari dell'indagine antropometrica sui soldati italiani. In his Saggi di demogr., Roma, 1934, 589–607.—**Hertzberg, H. T. E.** Post-war anthropometry in the Air Force. Am. J. Phys. Anthrop., 1948, **6**: 363–71.—**Holst, H. B.** [Some chest measurements from military manoeuvres of 1921] Norsk tskr. mil. med., 1922, **26**: 16–8.—**Howard, J. W.** Antropologia militar. Sem. méd., B. Air., 1919, **26**: pt 2, 449–52.—**Koch, E. W.** Wachstumsbeschleunigung, Rekrutenlänge und Durchschnittsgrösse der Erwachsenen. Deut. med. Wschr., 1936, **62**: 1140.—**MacDonald, A.** Anthropometry of soldiers. Med. Rec., N. Y., 1918, **94**: 1023–7. Also repr. Also An. Acad. cienc. méd. Habana, 1918–19, **55**: 577–600. Also Rev. med. cir. Habana, 1919, **24**: 191–208.—**Morant, G. M.** Anthropometric problems in the Royal Air Force. Brit. M. Bull., 1947, **5**: 25–31.—**Pinto Novaes, J.** A antropometria nos efectivos da Força Armada. Arq. anat., 1932–33, **15**: 1; 101; 553.—**Randall, F. E.** Anthropometry in the Quartermaster Corps. Am. J. Phys. Anthrop., 1948, **6**: 247; 373.

ANTIAIRCRAFT.

See also **Air defense; Defense; Flak.**

Gray, G. W. The antiaircraft director. In his Science at War, 3. ed., N. Y., 1943, 139.—**Hötzl, H.** Der Luftschutzsanitätsdienst bei der Truppe. Gasschutz, 1942, **13**: 47.—**Lauric, A. R.** Anti-aircraft medical services. In: Org. Strat. & Tact. Army M. Serv. War (Nicholls, T. B.) Lond., 2. ed., 1940, 218–21.—**Leonardov, B.** Protivovozdushnaia oborona. In: Bolsh. med. encikl., 1933, **27**: 428–32.—**Müller, A.** Ueber das Schiessen gegen Flugzeuge und Luftschiffe. Naturwiss. Wschr., 1915, **14**: 337–45.—**Popov, G.** Mediko-sanitarnaia sluzhba mestnoi protivovozdushnoi oborony. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 696–700. ——— Protivovozdushnaia oborona medicinskih uchrezhdenii. Ibid., **4**: 899–901.—**Taboada Sangro, C.** Las armas antiaereas y los progresos de la aviación. Ejército, 1941, No. 23, 13–7.

ANTI-ATLAS campaign (1931)

See under **Wars and campaigns.**

ANTIBIOTICS.

See under such headings of the section as **Therapeutics,** Antibiotics; **Wound,** Treatment: Antibiotics; **Wounded,** Treatment: Antibiotics.

ANTI-G suit.

See **Acceleration,** Protection: Clothing.

ANTILLES.

See as subheading under **World War II.**

ANTIQUITY.

See under **Medical organization; Surgery**—by periods; **Wars and campaigns,** Antiquity.

ANTISEPSIS.

See under **Surgical technic,** Antisepsis.

ANXIETY states.

See as subheading under **War neurosis.**

ANZIO beachhead.

See as subheading under **World War II.**

A P A

For reference see under **Amphibious warfare.**

APAMAMA.

See as subheading under **World War II.**

APPARATUS.

See under such terms as **Equipment; Orthopedics,** Apparatus; **Radiology,** Apparatus, etc.

APPENDICITIS.

See **Disease**—by specific types: Appendicitis.

APPLIED psychology.

See **Psychology,** applied.

APTITUDE.

See such terms as **Aviator,** Aptitude; **Medical examination,** Aptitude test.

ARCTIC service.

See also **Aviation,** Climatic aspect; **Kit; Operation,** arctic; **Winter warfare.**

Shestov, V. I. Sanitarnoe obcspcchenie plavanii v severnykh moriakh. 189p. 21cm. Leningr., 1939.

Standley, P. C. Edible plants of the Arctic region. 49p. 19½cm. Wash., 1943.
Forms Navmed 119, U. S. Navy Bur. M. & S.

United States. Air Force. Arctic, Desert and Tropic Information Branch. ADTIC digest. Ser. No. 1, Digest No. 1, 3. 2 nos. 13p.; 17p. 27cm. Eglin Field, 1943.

United States. Air Forces. Flight Control Command, and Safety Education Section. Arctic emergencies. 65p. 14½cm. n. p., 1943.

United States. War Department. Technical manual, TM 1–240: Arctic manual, April 1, 1942. 74p. 21½cm. Wash., 1942.

Airborne bacteria and other organisms in the polar area. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, July, 2.—**Antarctica.** Mil. Rev., Fort Leavenw., 1949–50, **29:** No. 9, 98–101.—**Arctic** trials. News Lett. R. Nav. Air M. School, 1949, No. 10, 2; No. 11, 5–11.—**Griffin, D. R.** Investigation of the physiological basis of orientation of migratory birds in Arctic and sub-Arctic regions. Q. Project Summary Off. Nav. Res., 1948, July, 396.—**H. M. S.** Vengeance; Arctic trials. News Lett. R. Nav. Air M. School, 1949, No. 9, 5.—**Hovanitz, W.** Arctic biology, Colias. Q. Project Summary Off. Nav. Res., 1948, July, 396.—**Kobzev, A.** Zapoliarje (territoria) In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 758–78.—**Lally, T. F.** A tour of duty in the Arctic. Contact, Pensacola, 1945–46, 5: 426–32.—**Literatura** po sanitarnomu obespecheniiu plavanii v severnyh moriah i kosvenno kasaiushchainsia etih voprosov. In: San. obesp. plavan. v severn. moriah (Shestov, V. I.) Leningr., 1939, 184–6.—**MacGinitie, G. E.** Distribution and ecology of Arctic marine organisms. Q. Project Summary Off. Nav. Res., 1948, July, 398.—**Poulter, T. C.** Geophysical studies in the Antarctic. Ibid., 248.—**Ronne, F.** Antarctic adventure. Research Rev. (U. S. Navy) 1948, Mar., 3–10.—**Shelesnyak, M. C.** Arctic Research Laboratory, Office of Naval Research, Point Barrow, Alaska. Science, 1948, **107:** 283. ——— Arctic summer, 1949. Research Rev. (U. S. Navy) 1950, Feb., 15–20.—**Shestov, V. I.** Sanitarno-profilakticheskoe obespechenie. In his San. obesp. plavan. v severn. moriakh, Leningr., 1939, 8–107, map. ——— Klimaticheskie usloviia plavanii. Ibid., 8–15. ——— Zagriaznennost vozdukha mikroorganizmami. Ibid., 13–5. ——— Zhilishchno-bytovye usloviia na sudakh. Ibid., 15–33. ——— Ochki-konservy. Ibid., 45. ——— Sanitarno-profilakticheskoe obespechenie; pitanie. Ibid., 47–83. ——— Vodosnabzhenie. Ibid., 84–92. ——— Khimiko-bakteriologicheskie issledovaniia vody ledovykh ozer i poluchaemoi pri taianii lda. Ibid., 87–90. ——— Osobennosti sanitarno-profilakticheskogo obespecheniia na zimovke. Ibid., 100–7. ——— Lechebno-evakuacionnoe obespechenie. Ibid., 108–39, tab. ——— Medicinskii uchet lichnogo sostava. Ibid., 108–14. ——— Ambulatornaia obrashchaemost i zabolevaemost. Ibid., 114–26, tab. ——— Sposoby konservirovaniia i khraneniia nekotorykh produktov pitaniia. Ibid., 166–9.—**Stage, H. H., & Deonier, C. C.** Central Arctic survey. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 39–41.—**Stefansson, V.** Encyclopedia Arctica. Q. Project Summary Off. Nav. Res., 1948, July, 395.—**Washburn, A. L.** Bibliography on the Arctic. Ibid., 395.

—— Clothing.

Belding, H. S. Protection against dry cold. 19p. 26½cm. Lawrence, Mass., 1949.
Forms No. 155, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Goddard, W. L. Sweat retention and thermal insulation of arctic clothing lined with wool, fiberglas, and a cotton-fiberglas admixture. 20p. 26½cm. Lawrence, Mass., 1949.
Forms No. 153, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

United States. Armored Medical Research Laboratory. Project No. 11: Report on Project No. 11: Test of clothing, battle, four-zone (OQMG–214) cold and arctic zone issues. v. p. 28cm. Fort Knox, 1943.

—— Project No. 20: Studies of cold weather clothing. Report on Sub-Project No. 20–1: The effect of leakage from closures upon thermal protection (OQMG test number 57 I–A) v. p. 28cm. Fort Knox, 1944.

—— [The same] Report on Sub-Project No. 20–2: The insulation provided by windbreaks (OQMG test No. 57–II) v. p. 28cm. Fort Knox, 1944.

United States. War Department. Technical manual TM 10–275: Principles of cold weather clothing and equipment. 82p. 23cm. Wash., 1944.

Yaglou, C. P. A rational method for determining local and over-all insulation of low temperature clothing. 9p. 26½cm. Bethesda, 1945.
Forms Rep. No. 8, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Anti-cold preparations in the extreme cold region. Med. Targets, 1945, No. M–AB, 98.—**Bearn, F. A.** Clothing for war in Arctic climates; experiences in Iceland. In: Interallied Conf. War Med. (1942–45) 1947, 282.—**Belding, H. S.** Effects of wind on protection provided by Arctic clothing. Bull. Shelter (NRC) Wash., 1949, 20. ——— **Russell, H. D.** [et al.] Analysis of factors concerned in maintaining energy balance for dressed men in extreme cold; effects of activity on the protective value and comfort of an arctic uniform. Am. J. Physiol., 1947, **149:** 223–39.—**Clothing,** arctic. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 83–5.—**Clothing,** wet-cold, combat. Ibid., 81.—**Determination** and evaluation of principles concerned in the development of better protection against cold environments. Ibid., 117.—**Device** for protection of head and respiratory tract against cold. Ibid., 263.—**Hildmann.** Practical problems of the protection against cold. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 249.—**Perry, W. O.** Insulating cloth for cold-weather clothing. Techn. Data Digest, Dayton, 1949, **14:** No. 23, 13–9.—**Protection** from the cold in northern regions. In: Prev. Med. in

World War II, Wash., 1948, 8: 231–44.—**Rational** (A) method for determining local and over-all insulation of low temperature clothing. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 8.

—— Hygiene.

BRIGHT, N. Cold room test of five small stoves to ascertain suitability as components in personal type arctic survival kits. 19 l. 27cm. Dayton, 1949.

Forms No. MCREXD–670–20D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

DUTILLY, A. A. A bibliography on the relation of mosquitoes to vegetation in the Eurasian arctic and subarctic. 108p. 26½cm. Wash., 1950.

Forms No. 162, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

MURRAY, N. N. Urinal; arctic survival equipment. 7p. 27cm. Dayton, 1949.

Forms No. MCREXD–670–22J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

UNITED STATES. AIR FORCE. ARCTIC, DESERT AND TROPIC INFORMATION CENTER. Informational bulletin. Ser. A, No. 8: care of personnel in the Arctic. 9p. 26½cm. Eglin Field, 1943.

YAGLOU, C. P., LEE, G., & SOLISH, G. I. Performance of military shelters in high winds and in sub-zero temperatures. 14 l. 27cm. Wash., 1949.

Forms No. 2, Progr. Rep. Com. Envir. Hyg. U. S. Army.

Berghout, C. F. Methods of heating Arctic shelters. Bull. Shelter (NRC) Wash., 1949, 21.—**Clark, L. K.** Recommendations of Subcommittee on Waste Disposal concerning human waste disposal in the Arctic. Ibid., 82–4.—**Cox, W. C.** A consideration of the characteristics of the proposed Arctic shelters. Ibid., 48–51.—**Disposal** of garbage in permafrost areas. Bull. San. Engin. (NRC) Wash., 1949, 16. meet., 183–94.—**Koppes, W. F.** A report on characteristics of snow houses and their practicability as a form of temporary shelter. Ibid., 14. meet., 138–55.—**Krupin, A. S.** [Sanitary sketch of the expeditionary trip on the hydrographic boat Taimyr to the drifting station "North Pole"] Tr. Voen. morsk. med. akad., 1941, 1: 276–302.—**Moore, E. W.** A summary of available data on quality of Arctic waters. Bull. San. Engin. (NRC) Wash., 1949, 17. meet., 227–40.—**Muntsch, O.** Hygienische Erfahrungen bei militärischen Unternehmungen im kalten Klima. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 376–8.—**Newton, C. D.** Study of environmental conditions in Arctic shelters. Bull. Shelter (NRC) Wash., 1949, 16–8.—**Rogers, H. G.** Report on investigation of sanitary features of utilidor construction and substitutes therefor in Arctic installations. Bull. San. Engin. (NRC) Wash., 1949, 13. meet., 111–5.—**Wilson, C. S.** Insect control measures in the arctic. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 4, 54–6.

—— Medical aspect.

BARKER, E. D. Field test of Casualty Camp, Arctic Aerial Delivery. 18p. 26½cm. Dayton, 1948.

Forms No. MCREXD–670–21–I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

GREEN, J. C., & SMITH, F. K. Field test of the bag, casualty, evacuation (experimental) 6p. 26½cm. Ladd Air Force Base, 1950.

Forms Proj. No. 21–01–023, U. S. Air Force Arct. Aeromed. Laborat.

JOHNSON, C. A. Cold weather medical problems in the Alaskan Theater 1943–44. 11p. 28cm. Wash., 1944.

Forms Rep. No. 313, Com. Aviat. M. U. S. Nat. Res. Counc.

MOLNÁR, G. W., & Allen, M. E. Cold room tests of the efficiency of the Finnish paper evacuation bag. 30 l. 29cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–08–(3) U. S. Army Med. Dep. Field Res. Laborat.

UNITED STATES. AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Medical series 1, No. 1: Medical conditions in Arctic regions [Revised] 7p. 27cm. Orlando, 1944.

UNITED STATES. ARMY. MEDICAL NUTRITION LABORATORY. Report No. 42: Final report of survival in the cold; a metabolic and nutritional study of soldiers acclimatized to heat transported abruptly to a very cold climate, 4 January–11 February 1948. 78 l. 26cm. Chic., 1948.

WINFIELD, R. H. Medical aspects of R. A. F. polar research flights. 47 l. 16½cm. Lond., 1946.

Forms F. P. R. C. No. 663, Gr. Britain Flying Pers. Res. Com.

Bond, A. A medical officer in the Antarctic. Med. Press, Lond., 1948, 220: 9.—**Eisberg, H. B.** Some of the problems facing a Naval medical officer in the Arctic. Mil. Surgeon, 1948, 102: 278–83.—**Miller, M. R.** Relationship of allergic manifestations of living in a cold climate. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, Jan., 15.—**Owens, J. E.** Dental studies in the Arctic and Antarctic. Bull. Dent. (NRC) Wash., 1949, 167–70.—**Polar** medicine. Med. Bull. U. S. First Army, 1949, 4: No. 2, 19–22.—**Shestov, V. I.** Specificheskie arkticheskie zabolevaniia. In his San. obesp. plavan. v severn. moriakh, Leningr., 1939, 114–23. —— Pomeshcheniia medicinskogo naznacheniia i medicinskoe snabzhenie. Ibid., 127–33. —— Normy medicinskogo snabzheniia. Ibid., 129–31. —— Organizacia medicinskogo obespecheniia. Ibid., 133–9. —— Evakuacia bolnykh na materik. Ibid., 139. —— Vyvody; proekt nastavleniia, instrukcii, po sanitarnomu obespecheniiu plavanii v severnykh moriakh. Ibid., 140–62. —— Orientirovochnye normy medsanskhozsnabzheniia dlia sudov poliarnogo plavaniia s ekipazhem ot 50 do 100 chelovek s uchetom vozmozhnoi zimovki. Ibid., 169–77. —— Voprosy podlezhashchie uglublennoi i perviocherednoi razrabotke v chasti sanitarnogo obespecheniia plavanii v severnykh moriakh. Ibid., 180. —— Instrukcia ob ispolzovanii dostupnykh protivocingotnykh sredstv, soderzhashchikh vitamin C. Ibid., 163–6.—**Study** of accommodations for wounded in the extreme cold zones and of camping in snow covered regions. Med. Targets, 1945, No. M–AB, 98.—**[Trichinosis** in Arctic] Bull. San. Engin. (NRC) Wash., 1949, 16. meet., 188.—**Wright, H. E.** Tickborne diseases of the Northwest. In: Prev. Med. in World War II, Wash., 1948, 8: 207–14.

—— Physiology.

See also **Winter warfare.**

BADER, M. E., MEAD, J., & PILLION, M. E. Individual differences in vascular responses and their relationship to cold tolerance. 31p. 27cm. Lawrence, 1949.

Forms No. 157, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

BLAIR, J. R., URBUSH, F. W., & REED, I. T. Preliminary observations on physiological, nutritional, and psychological problems in extreme cold, Fort Churchill, Canada (winter, 1946–1947) 40 l. 29cm. Fort Knox, 1947.

Forms Proj. No. 57–3, U. S. Army M. Dep. Field Res. Laborat.

GOLDTHWAIT, D. A., & WINIK, L. J. Body temperatures of two men under Arctic field conditions for twenty-two consecutive hours. 8 l. 27cm. Lawrence, 1948.

Forms No. 45, Mem. Rep. Envir. Protect. Sect. (U. S. Quartermast. Gen.)

HATERIUS, H. O., & MAISON, G. L. Experimental hypothermia and rewarming in the dog; recovery after severe reduction in body temperature. 23p. 27cm. Dayton, 1948.

Forms No. MCREXD–696–113, Memo. Rep. Aero M. Laborat. U. S. Air Force.

MILLER, A. J. Physical fitness for strenuous work in relation to the survival situation in a cold environment. 7 l. 27cm. Ladd Air Force Base, 1948.

Forms Proj. 14, U. S. Air Force Arct. Aeromed. Laborat.

—— & MILLER, M. R. The physiological effects of brief periods of exposure to low temperatures. 18 l. 27cm. Ladd Air Force Base, 1948.

Forms Proj. 2, U. S. Air Force Arct. Aeromed. Laborat.

OSGOOD, L. E., ZIMMERMAN, W. J. [et al.] The urinary excretion of 17-ketosteroids by men under field conditions in extreme cold. 5 l. 28½cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–02–(11) U. S. Army Med. Dep. Field Res. Laborat.

RAZRAN, G. H. S. The effects of arctic conditions upon human behavior and reactions with

special emphasis upon Russian findings and expeditionary needs. 43 l. 28cm. Wash., 1943.

SPEALMAN, C. R. The effect of body warmth and foot exercise on the temperature of feet immersed in ice water. 10p. 26½cm. Bethesda, 1944.

Forms Rep. No. 4, Res. Proj. X-297, U. S. Nav. M. Res. Inst.

UNITED STATES. ARMORED MEDICAL RESEARCH LABORATORY. Project No. 1: Cold weather operations. Report on Sub-Project No. 1-11: Influence of cold upon the efficiency of personnel. v. p. 28cm. Fort Knox, 1944.

—— [The same] Sub-Project Nos. 1-7, 1-15. A critique of army rations; acceptability and dietary requirements. v. p. 28cm. Fort Knox, 1944.

Together with Project No. 2: Operations at high temperatures.

—— [The same] Second partial report on Sub-Project No. 1-19, Study of the physiological effects of cold. v. p. 28cm. Fort Knox, 1945.

Adolph, E. F. Acclimatization to Arctic climates. Bull. Shelter (NRC) Wash., 1949, 27.—**Bazett, H. C.** Acclimatization studies at the Arctic Aero Medical Unit, Ladd Field. Ibid., 23.—**Blair, J. R., Urbush, F. W., & Reed, I. T.** Preliminary observations on physiological, nutritional, and psychological problems in extreme cold, Fort Churchill, Canada (winter, 1946-1947) Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 8, 1-40, 4 pl.—**Brown, D. R. E.** Visibility conditions in polar regions. Minutes Army-Navy Vision Com., 1947, 19. meet., 123-6, 3 ch.—**Campbell, D. H.** Immunology and blood chemistry of Arctic animals. Q. Project Summary Off. Nav. Res., 1948, July, 399.—**Croft, N. A. C.** Arctic rations. Activit. Rep. U. S. Quartermast. Food & Cont. Inst., 1948, **1:** 244-6.—**Dobson, L.** Arctic trail ration. Ibid., 349.—**Dove, W. F.** U. S. A. F. survival ration Arctic field test. Ibid., 108.—**Emergency** rations for polar flights. Brit. M. J., 1945, **1:** 817.—**Illingworth, F.** Eskimo foods for the Polar soldier. New Health, Lond., 1948, **23:** No. 9, 2.—**Individual** psychological reaction to cold. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, July, 3.—**Irving, L.** Physiology basic to the acclimatization of life to Arctic environments. Q. Project Summary Off. Nav. Res., 1948, July, 397.—**Kramer.** Chemical regulation of heat in extreme cold. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 248.—**Lange, K., Gold, M. M. A.** [et al.] Factors influencing resistance to cold environments. Bull. U. S. Army M. Dep., 1948, **8:** 849-59.—**Life** in the Arctic. In: School Lect. U. S. Air Force Arctic &c. Inform. Cent., N. Y., 1943, No. 1, 12-8.—**Molnár, G. W., Blair, J. R.** [et al.] Studies of physiological problems under field conditions in extreme cold, Fort Churchill, Manitoba, Canada, winter 1947-48. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 3, No. 11, 1; Proj. 4, No. 1, 1. —— 1948, App. C, Proj. 1, No. 1, 1; Proj. 2, No. 1, 1; Proj. 3, No. 1, 1; Proj. 4, No. 1, 1.—**Molnár, G. W., Magee, R. B., & Durrum, E. L.** Foxhole studies. Ibid., App. A, No. 1, 38-52. —— Temperature responses of Eskimos to outdoor weather. Ibid., 4-21.—**Narsete, E. M.** Some physiologic responses of airmen on long-range flights in the Arctic. J. Aviat. M., 1949, **20:** 336-42.—**Neumann, P.** Condiciones corporales y espirituales de las tropas en el clima subártico de Noruega septentrional, más allá del 70° de latitud. Rev. san. mil., B. Air., 1942, **41:** 578-82.—**Orth, G. L.** Food requirements in the arctic regions. Mil. Surgeon, 1949, **104:** 204-6.—**Stefansson, V.** The diets of explorers. Ibid., 1944, **95:** 1-3.—**Studies** of physiological problems under field conditions in extreme cold, Fort Churchill, Manitoba, Canada, winter 1947-48. Res. Program U. S. Army M. Res. Bd, 1947, July, 106; 1948, Jan., 178-83.—**Study** of subjective sensations and loss of dexterity produced by local cooling. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 10.—**Survey** (A) of human adjustment problems in the northern latitudes. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, July, 3.—**Swain, H. L., Tóth, F. M.** [et al.] Food consumption of soldiers in a subarctic climate, Fort Churchill, Manitoba, Canada, 1947-48. J. Nutrit., 1949, **38:** 63-72.

ARCTIC warfare.

See **Operation,** arctic.

ARDENNES.

See **World War I,** Ardennes.

ARGEL retreat (1775)

See **Wars and campaigns.**

ARGENTINA.

See under various headings of this section as **Air Force; Air Force Medical Service; Dental Corps; Hospital Report; Medical care; Medical Corps; Medical Department; Medical examination; Medical organization; Medical service; Morbidity; Navy Medical Service,** etc.; also **Wars and campaigns.**

ARGENTINE-BRAZIL war (1825-27)

See **Wars and campaigns.**

ARGONNES.

See this subheading under **World War II.**

A R M A

See **Aviator,** Flying adaptability.

ARMED Forces Institute of Pathology.

See under **Pathology.**

ARMED Forces Medical Library.

See under **Library.**

ARMORED cavalry.

See also **Armored division; Armored force; Reconnaissance; Tank.**

Daugherty, C. B. Medical service with the horse-mechanized cavalry. Mil. Surgeon, 1942, **90:** 621-6. Also Spanish tr., Rev. san. mil., Habana, 1942, **6:** 260-4.—**MacNamara, H. P.** Medical service with horse-mechanized cavalry on maneuvers. Mil. Surgeon, 1942, **90:** 182-4.—**Romeike, H.** Deutsches Soldatentum; Panzerspähtrupp; immer vorn. Mil. Wbl., Berl., 1942-43, **127:** 117-21.

ARMORED division.

See also **Division; Injury**—by branch of service.

Aitken, D. G. Dyspepsia and the sick parade; 141 cases in an armoured regiment. J. R. Army M. Corps, 1943, **81:** 223-30.—**Basri Oenügören.** [The problems of health service in the armoured divisions] Askeri sihhiye mecmuasi, 1940, **69:** 61-6.—**Eccles, C. E., & Perkins, H. N.** The medical services in an armoured division. J. R. Army M. Corps, 1943, **81:** 155-64.—**Leingerber.** Grundbedingungen und Grundzüge chirurgischen Arbeitens am Hauptverbandplatz einer Panzerdivision. Chirurg, 1944, **16:** 153-66.—**Mericle, E. W.** The psychiatric and the tactical situations in an armored division. Bull. U. S. Army M. Dep., 1946, **6:** 325-34. —— The psychiatrist in an armored division. Ibid., 1947, **7:** 386-90.—**Morrison, E. F. S.** Jottings on the medical administration of an armoured division during active service. J. R. Army M. Corps, 1942, **78:** 220-9.—**Reid, W. G.** Drivers aptitude tests of the third armored division. Harper Hosp. Bull., Detr., 1941-42, **1:** 97-102.—**Rouppert, S.** Uwagi o działalności służby zdrowia dywizji pancernej. Lek. wojsk., 1942, **34:** 199-203.—**Zdunkiewicz, J.** [Working conditions of the soldiers of the tank division from the view-point of hygiene] Ibid., 1939, **33:** 194-202.—**Zigarelli, J. F.** Armored division personnel adjustment plan. Bull. U. S. Army M. Dep., 1946, **6:** 449-51.

ARMORED force.

See also **Armored cavalry; Armored division; Infantry; Motorization; Tank; Tank warfare.**

GUDERIAN, H. Las tropas blindadas y su cooperación con las otras armas. Tr. from German by H. K. Brenner. 47p. 24½cm. B. Air., 1943.

Akodus, J., Bel'sky, V., & Sukachev, V. Zheleznodorozhnye voiska. In: Encikl. slovar voen. med., Moskva, 1946-48, **2:** 618-21.—**Akodus, J., & Troicky, D.** Zheleznodorozhnye perevozki voisk. Ibid., 621-7.—**Belov, S. I.** Medicinskoe obespechenie otdel'noi tankovoi brigady v nastuplenii. Voen. med. J., Moskva, 1946, No. 9, 19-23.—**Duenner, R. H.** Medical service of the armored force. Mil. Surgeon, 1942, **90:** 300-6.—**Haddenhorst, W.** Krankheiten im Lichte der Sonderverhältnisse bei der Panzertruppe. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 119-31. Also in 2. Aufl., Dresd., 1944, 125-37.—**Lampis, E.** Il servizio chirurgico nel piano organizzativo tattico-logistico delle grandi unità moto-corazzate. Settimana med., 1942, **30:** 382.—**Lieschke.** Sanitätsdienstliche Probleme bei Panzertruppen. Deut. Militärarzt, 1938, **3:** 103-7.—**Marzano, G. J.** An assist-

ant to the battalion surgeon in an armored unit. Mil. Surgeon, 1949, 104: 297–307. **Petrov, A.** Bronctankovye i mekhanizirovannye voiska. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 557–67.

ARMY Medical Center.

See under **Medical center.**

ARMY Medical Department.

See **Medical department,** U. S. Army.

ARMY Medical Library.

See under **Library.**

ARMY Nurse Corps.

See **Nurse Corps,** U. S. Army.

A R P

For Air raid precaution see under **Air defense.**

ASIA.

See under such terms in section as **Prisoner of war**—by captor powers; also names of Asian countries as subdivisions of **Wars and campaigns; World War I; World War II.**

ASPHYXIATING gas.

See under **Gas poisoning.**

ASSAM-BURMA.

See as subheading under **World War II.**

ASSAULT.

See with **Attack.**

ASSIGNMENT.

See under **Classification; Procurement; Reserve officer.**

ASTHMA.

See **Disease**—by specific type: Asthma.

ATLANTIC area.

See under **World War II.**

ATLAS campaign (1932)

See for reference under **Ambulance service,** History.

ATMOSPHERIC chamber.

See also **Aviation physiology; Aviator,** Altitude tolerance; **Flying,** Altitude.

Gray, J. S. The time-distribution of symptoms at 35,000 and 38,000 feet in the low pressure chamber. 9p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 71, U. S. Air Force School Aviat. M.

Greenberg, R. J. Practical guide for aviation physiologists in the use of the altitude chamber as a diagnostic aid. 19 l. 27cm. Randolph Field, 1946.

Forms Rep. No. 4, Proj. No. 467, U. S. Air Force School Aviat. M.

Loucks, R. B. An evaluation of various psychological performance tests for altitude chamber research. 31p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 202, U. S. Air Force School Aviat. M.

Masland, R. L. Recommendations for the handling of reactions following altitude chamber flights. v. p. [77]p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 217, U. S. Air Force School Aviat. M.

Belostocky, E. M. Izmeneniia kalibra sosudov setchatoi obolochki glaza pri podjemakh v barokamere. Voen. med. J., Moskva, 1947, No. 3, 17–20.—**Brestkin, M.** Barokamera. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 400–7.—**Decompression** chamber work. News Lett. R. Nav. Air M. School, 1947, No. 3, 13–21.—**Farber, V. B.** Vlijanie na krovetvorenie mnogokratnogo prebyvanija v kamere poniżennogo davlenija. Voen. med. J., Moskva, 1946, No. 12, 27–33.—**Finkel.** Rannjaja simptomatologija obmoroka v usloviiakh barokamery. Voen. san. delo, 1941, 105.—**Flynn, V. P., & Flynn, S. E.** Atmospheric chamber for flight examinations. Mil. Surgeon, 1941, 89: 86–8.—**Fulton, G. P., & Phillips, S.** Analysis of symptoms causing forced descents in the altitude chambers at the San Antonio Aviation Cadet Center. J. Aviat. M., 1946, 17: 244–52.—**Heath, E. M.** Altitude chamber as a diagnostic aid. Air Surgeon Bull., 1944, 1: No. 11, 1–3.—**Heidbrink, J. A.** High altitude chamber. U. S. Patent Off., 1941, No. 2,258,054.—**High** altitude chambers; altitude training in the Japanese Army Air Forces; Navy Air Force. Rep. Air Techn. Intellig. U. S., Tokyo, 1945, No. 201, 1–17; No. 273, 1–14.—**High** altitude chambers; research laboratories and equipment. Ibid., No. 274, 1–10.—**Mobile** decompression chamber. Gr. Britain Flying Pers. Res. Com., 1940–45, 31, illust.—**Smedal, H. A.** Present day training in the low pressure chambers at Pensacola. Contact, Pensacola, 1945–46, 5: 458–60.—**Stijns, & Abraham.** Expérience faite au caisson pneumatique de l'Aéronautique militaire à Evère: du 26 au 31 décembre 1937. Arch. belges Serv. san. armée, 1939, 92: 157–70.—**Wiesehöfer, H.** Eine fahrbare Unterdruckkammer zur Belehrung von Flugzeugbesatzungen über die Höhenwirkung, Bauart: DVL-Zeuzem. Deut. Militärarzt, 1940, 5: 457–60.

—— Training.

See also subdivisions of **Altitude** (Acclimatization; Tolerance)

Fainberg, R. S. [Acclimatization for high altitude flying by means of training in the barochamber] Voen. san. delo, 1937, No. 7, 6–11.—**Gates, D. C.** Low pressure chamber activities; oxygen indoctrination unit. Contact, Pensacola, 1942, 2: 87–9.—**McGoldrick, T. A.,** jr. New oxygen training program in low pressure chambers and planes. Ibid., 1944–45, 4: 325.—**Pukhalsky, A. A.** Individualjnyi podkhod pri trenirovke letnogo sostava v barokamere. Voen. med. J., Moskva, 1946, No. 9, 36–40.—**Robertson, J. J.** High altitude training. Hosp. Corps Q., 1945, 18: No. 5, 14.—**Sukhovyj, F. I.** [Investigations of the efficacy of training for high-altitude flying in low-pressure chambers] J. Physiol. USSR, 1939, 27: 481–9.—**W., D.** Fahrbare Unterdruckkammer zur Schulung von Flugzeugbesatzungen. Umschau, 1941, 45: 211.—**Wolfe, K. P.** The high altitude training program for fighter pilots. J. Aviat. M., 1946, 17: 179–84.

ATOMIC bomb.

See also **Atomic Bomb Casualty Commission; Atomic energy; Atomic warfare.**

Ashley Montagu, M. F. Anthropologists vs the atom bomb. Science, 1950, 111: 182.—**Atomic** (The) explosion. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 15–22.—**Austin, B. F.** The atomic bomb. J. M. Ass. Alabama, 1945–46, 15: 347–9.—**Bacher, R. F., & Feynman, R. P.** The atomic bomb. Pub. U. S. Dep. State, 1946–47, No. 2661, 18–21.—**Behrens, C. F.** Fission, piles and bombs. In his Atomic Med., N. Y., 1949, 29–44.—**Bliss, R. W.** What you should know about the atomic bomb. Nuclear Sc. Abstr., 1949, 3: 434.—**Brodie, B.** Navy Department thinking on the atomic bomb. Bull. Atomic Scientists, 1947, 3: 177–80.

—— A critique of Army and Navy thinking on the atomic bomb. Ibid., 207–10.—**Burford, W. B.** The Johns Hopkins University and the atomic bomb. Johns Hopkins Alumni Mag., 1945–46, 34: 114–8.—**Caballero, R.** El origen de la bomba atómica desde Demócrito hasta Rutherford y Niels Bohr. Esc. farm., Guatemala, 1946, 9: 11–7.—**Caldirola, P.** Detonation wave in nuclear explosions (transl.) Nuclear Sc. Abstr., 1949, 2: 291.—**Characteristics** of an air burst. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 23–45.—**Characteristics** of subsurface and surface bursts. Ibid., 46–67.—**Computation** of dosages produced by radiological contamination resulting from an atomic explosion, and determination of allowable stay times. Ibid., 223–9.—**Dauer, M.** Evaluation of the five atomic bombs. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 3, 1–9. Also Med. Bull. Off. Chief Surgeon Europ. Command, 1948, 5: No. 4, 38–44.—**Duclos, G.** La bombe atomique. Lutte cancer, Par., 1946, 24: No. 76, 96–103.—**Dufrénoy, M. L.** De la genèse à la bombe atomique. Rev. path. comp., Par., 1949, 49: 22–38.—**Esquema** teórico de la bomba atómica. Vida, Méx., 1946, 9: 221–3.—**Gould, S. H.** The theory of relativity and the atomic bomb. Sc. Month., 1947, 65: 48–60.—**Haight, H. H** The atomic bomb in action. In: Atomic Med. (Behrens, C. F.) N. Y., 1949, 45–58.—**Harkins, W. D.** The neutron, the intermediate or compound nucleus, and the atomic bomb. Science, 1946, 103: 289–302.—**Jones, H. S.** Splitting the atom. In: Science Looks Ahead (Low, A. M.) Lond., 1942, 461–7.—**Laborde, S.** De la découverte d'Henri Becquerel à la bombe

d'Hiroshima. Presse méd., 1946, **54**: 675. Also Lutte cancer, 1947, **25**: 75–82.—**Lastavica, L.** O atomskoj bombi. Voj. san. pregl., Beogr., 1949, **6**: 477; passim.—**Liberalli, C. H.** La bomba atómica. Rev. As. Esc. quím. farm., Quito, 1949, **5**: No. 5, 51–6.—**Pascal, P.** Bombe atomique. In his Chim. gén., Par., 1949, 148.—**Persico, E.** Il nuovo fuoco. Scientia, Bologna, 1946, **79**: 83–92.—**Radioactividad** de las bombas atómicas. Cruz Roja españ., 1949, **49**: 33.—**Report** of President Truman on the atomic bomb. Science, 1945, **102**: 163–5.—**Ridenour, L. N.** A U. S. physicist's reply to professor Blackett. Sc. Am., N. Y., 1949, **180**: No. 3, 16–9.—**Sizoo, G. J.** Atoombom en uraanzuil. Ned. tschr. natuurk., 1947, **13**: 127–39.—**Skilling, W. T.** Sunshine and the atomic bomb. Sc. Month., 1946, **62**: 211–8.—**Solomon, A. K.,** & **Morrison, P.** The military effectiveness of the atomic bomb. Pub. U. S. Dep. State, 1946–47, No. 2661, 37–44.—**Sudre, R.** Les principes de la bombe atomique. Gaz. hôp., 1945, **118**: 278.—**Thomson, G.** Nuclear explosions. Proc. R. Soc., Lond., Ser. A, 1949, **196**: 311–24, 4 pl.—**Viner, J.** The implications of the atomic bomb for international relations. Proc. Am. Philos. Soc., 1946, **90**: 53–8.—**What** every medical officer should know about the atomic bomb. Bull. U. S. Army M. Dep., 1948, 8: 187; passim. Also Ital. transl., Riv. med. aeronaut., 1949, **12**: 411; passim.

—— Effects.

See also **World War II** (Hirosima; Nagasaki)

Aftermath; a pictorial summary of the medical and other effects of the atomic bombing of Japan. Med. Radiogr., Rochester, 1948, **24**: 34–8, illust.—**Beck.** Mechanische und thermische Schädigungen durch die Atombombe. Ther. Umschau, Bern, 1949–50, **6**: 154.—**Effects** of atomic explosions on structures and matériel. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, **2**: 72–97, illust.—**Effects** of atomic explosions on personnel. Ibid., 98–110, illust.—**Effects** of the bomb burst. In: Introduct. Radiol. Safety (U. S. Navy Bur. Med. Surg.) Wash., 1947, 29–34.—**Effets** (Les) de la bombe atomique. Nature, Par., 1945, 326.—**Garraud, R. M.** Effets de la bombe atomique sur les populations civiles non protégées. Rev. méd. nav., Par., 1948, **3**: 215–21.—**Investigation** (The) of the effects of the atomic bomb by the National Research Council in Japan. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 13–31.—**Jornlin, F. M.** The atomic bomb's effects on plants and soils. Nuclear Sc. Abstr., 1949, **3**: 123.—**Lapp, R. E.** Atomic bomb effects. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 1, 7.—**Muraour, H.** Observations au sujet des phénomènes lumineux et calorifiques qui accompagnent la détonation de la bombe atomique. C. rend. Acad. sc., 1945, **221**: 200.—**Price, F. L.** Effects resulting from atomic bomb explosion. J. Florida M. Ass., 1947–48, **34**: 651–3.—**Rochette.** Bombe atomique et stomatologie. Inform. dent., Par., 1946, **28**: 496.—**Scaling** laws for estimating blast, thermal, and immediate nuclear radiation effects for atomic bombs of different energies. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, **2**: 218–22.—**Scoville, H.,** jr. The atomic bomb and the resultant phenomena. Ibid., 1950, **3**: 16–23, illust.—**Stokinger, H. E.** Air pollution and the particle size-toxicity problem. Nucleonics, 1949, **5**: No. 6, 50; passim.—**Süe, P.** Effets de la bombe atomique et de l'énergie nucléaire. In his Dix ans appl. radioact., Par., 1948, 178.

—— Manufacture.

See also worker; **Munitions plant.**

Bale, W. F. Health protection in the production and use of atomic energy. 10p. 27cm. Oak Ridge, 1946.

Forms MDDC 536, Docum. U. S. Atom. Energy Com.

Felton, J. S. Industrial health and medical rehabilitation at an atomic energy laboratory. 13p. 27cm. Oak Ridge, 1946.

Forms MDDC 554, Docum. U. S. Atom. Energy Com.

Bale, W. F. Health protection in the production and use of atomic energy. Occup. Med., 1946, **2**: 1–7. Also Diplomate, 1947, **19**: 23–7.—**Beers, N. R.** The atomic industry and human ecology; on risk. Nucleonics, 1949, **5**: No. 3, 2; passim.—**Benning, C. H.** Public health aspects of medicine in Oak Ridge. J. Tennessee M. Ass., 1948, **41**: 87–90.—**Bowers, J. Z.** Atomic energy; industrial health implications. Tr. Indust. Hyg. Found., Pittsb., 1948, Bull. 10, 15–9.—**Chronological** table; developments in nuclear physics and in the atomic bomb project. In: Atomic Energy Act (U. S. Congr. 79. Congr. Senate) Wash., 1946, 72–125. Also In: Atom. Energy Regul., Alb., 1947–48, **15**: 7, 2086–90.—**Clarke, E. K.** Psychiatric problems at Oak Ridge. Am. J. Psychiat., 1945–46, **102**: 437–44.—**Davidson, W. F.** Some design problems of nuclear power plants. Nucleonics, 1949, **5**: No. 5, 4–15.—**Dragon** (The) Semiann. Rep. U. S. Atom. Energy Com., 1950, **7**: 140.—**Feather, N.** American work on the atomic bomb project. Nature, Lond., 1945, **156**: 768.—**Felton, J. S.** Industrial health and medical rehabilitation at an atomic energy laboratory. J. Rehabil., Des Moines, 1947, **13**: 3–12. ——— A complete industrial health service at an atomic energy laboratory. South. M. J., 1948, **41**: 449–55. ——— The unusual in industrial health at an atomic energy research laboratory. Mississippi Valley M. J., 1950, **72**: 23–8.—**Gorman, A. E.,** & **Wolman, A.** Some public health problems in nuclear fission operations. Am. J. Pub. Health, 1949, **39**: 443–53.—**Manhattan** District documents. Nucleonics, N. Y., 1948, **2**: No. 4, 40–2.—**Morton, R. J.** The sanitary engineer faces new problems from atomic energy developments. Harvard Pub. Health Alumni Bull., 1948, 5: 35–8.—**Parker, H. M.** Insurability of atomic energy workers. Tr. Ass. Life Insur. M. Dir. America (1948) 1949, **32**: 42–58.—**Report** of the President's Commission on Labor Relations in Atomic Energy Commission Installations. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 194–202.—**Speculations** regarding a super bomb. Europ. Sc. Notes, 1949, **3**: 198.—**Vital** statistics of Atomic Energy Commission communities. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 179.—**Wirth, J. E.** Essential safeguards in production and use of atomic energy. Occup. Med., 1946, **2**: 428–38.

—— Pathological effect.

See also **Casualty,** atomic; also **Atomic energy,** Medical aspect; **Atomic warfare,** Medical aspect.

Bettencourt, N. de. Energia atómica e medicina; dois aspectos; bomba atómica e isótopos radioactivos. 36p. 25cm. Lisb., 1950.

Also in Bol. Dir. serv. saúde mil., 1949, **12**: 12–45.

Genaud, P. E. M. L'arme atomique; ses effets sur les êtres vivants. p. 1–60. 24cm. Par., 1948.

In: Rev. Corps san. milit., Par., 1948, **4**: 1–60.

Lapp, R. E. Nuclear physics for the medical officer; pt 2: Nuclear fission and the atomic bomb. v. p. 27cm. Wash., 1947.

Liebow, A. A., Warren, S., & DeCoursey, E. Pathology of atomic bomb casualties. p.853–1027. 25½cm. Ann Arb., 1949.

In: Am. J. Path., 1949, **25**: 853–1027, incl. 44 pl.

Michelet, M. A. La maladie de la bombe atomique [Micro-film] Par., 1947.

Tobias, C. A., Weymouth, P. P., & Wasserman, L. R. Some biological effects due to nuclear fission. 11p. 27cm. Oak Ridge, Tenn., 1947.

Forms MDDC 1239, Docum. U. S. Atom. Energy Com.

Alesi-Guarnieri, M. La bomba atomica, danni biologici e mezzi per evitarli. Clin. nuova, Roma, 1949, **8**: Varia, p. xxi–xxiv.—**Anderson, E. G.** On the frequency and transmitted chromosome alterations and gene mutations induced by atomic bomb radiations in maize. Proc. Nat. Acad. Sc. U. S., 1948, **34**: 387–90.—**Atomic** bomb, medical aspects of. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 167.—**Aubertin.** La maladie de la bombe atomique. In: Actual. méd. chir. prat., Par., 1947, **1**: 412–4.—**Barondes, R. D.,** & **Levine, D. I.** Atomic radiation effects; the release and neutralization of humoral toxic agents. Mil. Surgeon, 1949, **105**: 153–60.—**Baruch, J. Z.** De ziekte veroorzaakt door de atoombom. Tschr. ziekenverpl., 1947, **57**: 206–10.—**Benkwith, K. B.** Retinal hemorrhage as seen in an atomic-bomb casualty. Am. J. Ophth., 1946, **29**: 799, pl.—**Bernier, J. L.** The effects of atomic radiation on the oral and pharyngeal mucosa. J. Am. Dent. Ass., 1949, **39**: 647–57, illust.—**Bickel.** De la bombe atomique à la médecine. Praxis, Bern, 1949, **38**: 337.—**Biological** effects of atomic explosion. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 5, 1–10. Also Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 2, 36–40.—**Block, M. A.** Considerations in the study of burn sequelae in atomic bomb survivors. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 47–55. ——— & **Tuzuki, M.** Observations of burn scars sustained by atomic bomb survivors; a preliminary study. Am. J. Surg., 1948, **75**: 417–34.—**Brown, M. S.** Chromosone irregularities produced by atomic irradiation. Genetics, 1948, **33**: 98.—**Brues, A. M.** Nature of trauma in atomic warfare. Am. J. Surg., 1948, **76**: 563–6.—**Carreras Galliano, J. M.** Lesiones orales producidas en las victimas de la bomba atómica. Prótesis clín., Habana, 1946, **7**: No. 7, 3.—**Clemedson, C. J.** Något om atombombsdetonationen och dess medicinska verkningar. Sven. läk. tidn., 1948, **45**: 221–34.—**Cloce, H. P.** Medical treatment of atomic bomb casualties. Philadelphia M., 1948–49, **44**: 7, &c.—**Cogan, D. G., Martin, S. F.,** & **Kimura, S. J.** Atom bomb cataracts. Science, 1949, **110**: 654.—**Cooney, J. P.** Medical effects of atomic explosion. In: Radiol, Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 30–8, illust.—**Copley, A. L.** Hemorrhagic diathesis in Hiroshima, Nagasaki and at Bikini atomic bomb test. J. Am. M. Ass., 1948, **137**: 145.—**Creyghton, J. W.** Gevolgen van een atoombomexplosie voor de mens. Geneesk. gids, 1949, **27**: 414–8.—**Criado Cardona, R.** Patología de la explosión atómica. Med. & cir. guerra, 1949, **11**: 423–41.—**Cronkite, E. P.** Diagnosis of ionizing radiation injury by physical examination and clinical laboratory procedures. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 57–64. ——— Hematologic changes following exposure to radiation with particular reference to the Bikini animals and the atomic bomb. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 9, 1–4. ——— & **Chapman, W. H.** A critical analysis of the syndrome of acute total body radiation illness; its role in atomic

warfare and its influence on the future practice of military medicine. Mil. Surgeon, 1949, **104**: 7–21.—**DeCoursey, E.** Human pathologic anatomy of ionising radiation effects of the atomic bomb explosions. Ibid., 1948, **102**: 427–32. ——— Patología y terapia de las lesiones causadas por la bomba atómica. Arch. méd. mex., 1949, **7**: 563–73. ——— Pathologic anatomy of radiation effects of atomic bomb explosion. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 8, 1–10. Also Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 3, 7–11. ——— Medical aspects of atomic explosion. J. Tennessee M. Ass., 1949, **42**: 289–95. ——— Fundamentals of radiation pathology. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 47–51. ——— Pathologic anatomy of radiation effects of atomic explosion. Ibid., 52–6.—**Delaunay, A.** Les effets biologiques de la bombe atomique. Synth. séméi. thér., 1949, **3**: 618–20.—**Den Hoed, D.** Biologische aspecten van de werking der atoombom. Ned. tschr. geneesk., 1946, **90**: 61–4.—**Dobasi, S.** Gensi-bakudan-syō no kōha tiken rei [... cure of atomic bomb wounds by the use of kōha] Rinsyo geka, 1946–47, **1**: No. 2, 44–9.—**Draeger, R. H.** Mechanical injuries and burns in the Bikini animals. Am. J. Path., 1947, **23**: 891. ——— **Tullis, J. L., & Cronkite, E. P.** Injuries produced by the atomic bomb; observations on animals exposed at Bikini. Ibid., 891–3.—**Espino, J. M.** Efectos de la bomba atómica en el ojo humano, y otros asuntos. Gac. méd. Caracas, 1947, **55**: 25–31.—**Evans, G. C. D.** Some aspects of atomic bomb injuries. Leech, Cardiff, 1947–48, **3**: No. 2, 13–5.—**F., G.** Pathologie et traitement des lésions causées par la bombe atomique. Concours méd., 1950, **72**: 385.—**Génaud, P. E.** Effets de l'explosion de la bombe atomique sur les êtres vivants. France méd., 1947, **10**: No. 7, 3–6. ——— Le syndrome clinique des irradiés par l'explosion atomique. Presse méd., 1949, **57**: 443.—**Kasiwato, T.** Zibiinkōkagaku-ryōiki ni okeru gensi bakudan higai ni tuite [Atomic bomb damage in otorhinolaryngology] Tiryo, 1946, **28**: 147.—**Keller, P. D.** A clinical syndrome following exposure to atomic bomb explosions. J. Am. M. Ass., 1946, **131**: 504–6.—**King, O. C.** The surgical treatment of the effects of the atomic bomb. Bull. Tarrant Co. M. Soc., 1948–49, **20**: No. 11, 12. Also Philadelphia M., 1948–49, **44**: 47–51.—**Kurusu, M., Date, T.** [et al.] Gensi-bakudan-syō ni tuite [Atomic bomb disease] Kyoto huritu ika daigaku zassi, 1947–48, **43**: 93–108.—**Labignette, P.** Action éloignée des bombes atomiques sur les femmes enceintes. Concours méd., 1947, **69**: 884.—**Lacassagne, A.** Observation chez l'homme, en conséquence de l'explosion de bombes atomiques, des principaux syndromes connus en radiophysiologie expérimentale. Bull. Acad. nat. méd., 1948, **132**: 104–7.—**Lapp, R. E.** Radiations from fission products. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 1, 3.—**LeRoy, G. V.** Hematology. Am. J. Path., 1947, **23**: 890. ——— The medical sequelae of the atomic bomb explosion. J. Am. M. Ass., 1947, **134**: 1143–8. Also Portuguese transl., Rev. med. mil., Rio, 1948, **37**: 61–9.—**Levent, R.** A propos de la maladie atomique. Gaz. hôp., 1949, **122**: 114.—**Looney, W. B.** The medical aspects of the atomic bomb. Virginia M. Month., 1949, **76**: 73–5.—**Lyon, G. M.** Effects of atom bomb radiation on the human body. West Virginia M. J., 1947, **43**: 391–5.—**Mallet, L.** Le danger atomique au point de vue radiations. Atomes & radiat., Par., 1946–47, **1**: 180–3.—**Massa, F.** Aspetti medici della bomba atomica. Gior. med. mil., 1949, **96**: 339–78.—**Medical** aspects of an atomic explosion. In: Introduct. Radiol. Safety (U. S. Navy Bur. Med. Surg.) Wash., 1947, 41–9.—**Medical** effects of atomic explosion. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 6, 1–15. Also Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 2, 28–35.—**Medical** problems of the atomic bomb. Gen. Pract. Clin., Wash., 1949, **6**: 1–7.—**Medizin** und Atombombe. Schweiz. Apoth. Ztg, 1949, **87**: 221–4.—**Miyake, K., Yonezawa, T.** [et al.] Gensi-bakudan-syō no byōri-kaibō ni tuite [Pathological anatomy of ...] Kyoto huritu ika daigaku zassi, 1946, **42**: 20–2.—**Nakaidzumi, M.** The radioactivity of the atomic bomb from the medical point of view. Nuclear Ac. Abstr., 1949, **3**: 492.—**Neel, J. V.** The question of the genetic effects of the atomic bombing. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 54–61.—**Nègre.** La désintégration nucléaire et ses effets biologiques. Maroc méd., 1947, **26**: 381; 426.—**Parsons, R. P.** Trauma resulting from atomic explosions. Am. J. Surg., 1948, **76**: 559–62.—**Pearse, H. E., & Payne, J. T.** Mechanical and thermal injury from the atomic bomb. N. England J. M., 1949, **241**: 647–53.—**Puig Muset, P.** Datos de orientación sobre la vitamina P; a propósito de la terapéutica de las radiaciones de la bomba atómica. Acta méd. hisp., 1949, **7**: 344–55.—**Rapaport, M.** Patología de la energía radio-ionizante; efectos de la bomba atómico. Día méd., B. Air., 1948, **20**: 1178.—**Reboul.** Les effets médicaux de la bombe atomique. Sem. hôp., Par., 1948, **24**: 141–6.—**Rôhr, E.** Die Wirkung der Atombombe auf Mensch und Tier. Hippokrates, Stuttg., 1948, **19**: 43.—**Rosenstiel.** Etudes des effets biologiques du bombardement atomique. Rev. méd. nav., Par., 1946, **1**: 67–72.—**Sáez, F. A.** Investigaciones genéticas sobre la acción de la bomba atómica. Cienc. & invest., B. Air., 1949, **5**: 289.—**Sano, T., Yasui, H.** [et al.] Syōni ni oyobosu gensi bakudan no eikyō [Effects ... upon children] Acta paediat. jap., 1947, **51**: 5.—**Sassa, K.** Clinic of the atomic bomb radiation sickness. Nuclear Sc. Abstr., 1949, **3**: 433.—**Scano, A.** Prime conoscenze sugli effetti biologici della bomba atomica. Riv. med. aeronaut., 1946, **9**: 199. ——— Gli effetti biologici della bomba atomica. Ibid., 1948, **11**: 63–9.—**Schubert, G.** Medizinische Folgen von Atombomben-Explosionen. Grenzgeb. Med., 1948, **1**: 123–6.—**Scoville, H.,** jr. Nuclear radiation effects of atomic bomb detonations. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 2, 23–7.—**Solandt, O. M.** Results of atomic bombing. Bull. Toronto East M. Ass., 1947, **12**: No. 6 [8–15]—**Tamagawa, T., Katibe, G.** [et al.] Gensi bakudan ni insuru kaisoku-syu (keloid) no kenkyū [... scar tissue caused by atomic bomb] Okayama igakkai zassi, 1947, **59**: 39.—**Tobias, C. A., Weymouth, P. P., & Wasserman, L. R.** Some biological effects due to nuclear fission. Science, 1948, **107**: 115–8.—**Trincas, M.** Malattia da bomba atomica. Minerva med., Tor., 1949, **40**: 61–3.—**Tullis, J. L.** The pathologic changes induced by ionizing radiations in the Bikini animals. Am. J. Path., 1947, **23**: 891. ——— Radiorcsistant cells in certain radiosensitive tissues of swine exposed to atomic bomb radiation. Arch. Path., Chic., 1949, **48**: 171–7. ——— & **Warren, S.** Gross autopsy observations in the animals exposed at Bikini; a preliminary report. J. Am. M. Ass., 1947, **134**: 1155–8.—**Tuzuki, M.** Clinical course of the atomic bomb injuries. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 76–85. ——— Injurious effects of the explosion of the atomic bomb upon the human body. Ibid., 68–75. ——— The principles of the medical care of the atomic bomb radiation injuries. Ibid., 102–5.—**V., D.** Gesundheitliche Auswirkungen von Atombomben-Explosionen. Volksgesundheit, Rastatt, 1948, No. 12, 21–3.—**Verge, J.** La maladie de la bombe atomique. Rev. path. comp., Par., 1948, **48**: 11.—**Ward, D. P.** From radar to the atom bomb in medicine. Electron. M. Digest, 1949, **33**: 6–24.—**Warren, S. L.** Medical aspects of the atomic bombings. Rhode Island M. J., 1946, **29**: 907–12. ——— **Bryan, F. A., & Buettner, R. J.** The atom bomb; hazards incident to its use. Indust. M., 1947, **16**: 275–9.—**What** every medical officer should know about the atomic bomb; biologic effects of nuclear radiation from an atomic explosion. Bull. U. S. Army M. Dep., 1948, **8**: 269; 422.—**Wiesner, B. P.** Biological dangers from atomic fission. Lancet, Lond., 1946, **1**: 33.—**Wilder, H. C.** Pathology of the eye in atomic bomb casualties. Am. J. Path., 1947, **23**: 890.—**Williams, E. G.** Public health aspects of the atomic bomb. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 11, 1.—**Yao, T., & Wada, T.** Gensi bakudan-syō ni rei, toku-ni sono ketueki-zō ni tuite [... Atomic bomb injury; blood pictures] Rinsyo zibiinkoka, 1946, **1**: 24–8.—**Yarigi Jáuregui, R.** Novedades en medicina de aviación; aspectos médicos del bombardeo atómico. Rev. mil., La Paz, 1947, No. 113, 76–87.—**Yosida, H.** Gensi-bakudan-syō no ketueki syoken [... blood in atomic-bomb disease] Kyoto huritu ika daigaku zassi, 1947–48, **43**: 109–12, tab.—**Yosio, K.** Gensi-bakudan-syō no zōki kinō ni tuite [Visceral function in atomic-bomb disease] Ibid., 1946, **42**: 47–9.

—— Tests.

Anderson, E. G., Longley, A. E. [et al.] Hereditary effects produced in maize by radiations from the Bikini atomic bomb; studies on seedlings and pollen of the exposed generation. Genetics, 1949, **34**: 639–46.—**Bomb** tests. Sc. American, 1949, **181**: No. 4, 20.—**Bullen, K. E.** The Bikini bomb and the seismology of the Pacific region. Nature, Lond., 1948, **161**: 62.—**Cronkite, E. P.** The hematology of the Bikini animals. Am. J. Path., 1947, **23**: 891. ——— The hemorrhagic syndrome of acute ionizing radiation illness produced in goats and swine by exposure to the atomic bomb at Bikini, 1946. Blood, Balt., 1950, **5**: 32–45.—**Davis, W.** Atomic bomb facts; simple information needed to understand Bikini tests. MD, Chic., 1946, **1**: No. 8, 25–8.—**Debierne, A.** Sur le nuage de Bikini. C. rend. Acad. sc., 1947, **224**: 1220–2. ——— Sur la guerre, la bombe atomique, la pluie, la sécheresse, le beau temps et le régime bikinien. Ibid., 1948, **226**: 1302–4.—**Déribéré, M.** Les expériences de Bikini. Nature, Par., 1946, 337–42.—**Effects** of underwater bomb. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 52.—**Eniwetok** atomic tests. Mil. Rev., Fort Leavenw., 1949–50, **29**: No. 11, 16–9, illust.—**Ford, W. L.** Radiological and salinity relationships in the water at Bikini atoll. Nuclear Sc. Abstr., 1949, **2**: 335.—**García de Pruneda.** Las experiencias de Bikini. Cruz Roja españ., 1949, **49**: 42–7.—**Hodge, H. C.** Impressions of Operation Crossroads. J. Dent. Res., 1947, **26**: 435–9.—**Leet, L. D.** Earth motion from the atomic bomb test. Am. Scientist, 1946, **34**: 198–211.—**Pendergrass, E. P.** Experiences at Bikini, with comments on nuclear energy in medicine. J. S. Carolina M. Ass., 1947, **43**: 159–63. ——— The atomic bomb experiments in the Pacific; with a consideration of the relationship of atomic energy to the future of medicine. North Carolina M. J., 1947, **8**: 271–6.—**Randolph, L. F., Longley, A. E., & Li, C. H.** Cytogenetic effects in corn exposed to atomic bomb ionizing radiation at Bikini. Science, 1948, **108**: 13–5.—**Schultz, L. P.** The biology of Bikini Atoll, with special reference to the fishes. Annual Rep. Smithson. Inst. (1947) 1948, 301–16, 17 pl.—**Sterner, J. H.** The Bikini experiment; the largest single industrial hygiene project in history. Indust. M.,* 1947, **16**: 279–81.—**Wagers, R. P.** Some veterinary aspects of the atomic bomb tests. Norden News, Lincoln, 1948, **22**: No. 4, 6; passim.

ATOMIC Bomb Casualty Commission.

See also **Casualty,** atomic.

TUZUKI, M. Report on the medical studies of

the effects of the atomic bomb. p.67–111. 27cm. Wash., 1947.

In: Gen. Rep. U. S. Atomic Bomb Casualty Com.

Relation (The) between vital statistics and the work of the ABCC. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 62–4. Also Mil. Surgeon, 1947, **100**: 518–21.

ATOMIC energy.

See also in this section **Atomic warfare; Atomic bomb; Weapon.**

ATOMIC energy year book. Lond., 1949–

GUIDE TO PUBLISHED RESEARCH ON ATOMIC ENERGY. v.**1–3**. 3v. 27cm. Oak Ridge, 1946–48.

For continuation see Nuclear science abstracts, v.**1**, 1948–

MASSACHUSETTS INSTITUTE OF TECHNOLOGY. LABORATORY FOR NUCLEAR SCIENCE AND ENGINEERING. Technical report. Task Contract N5ori–07806. Cambr., No. 26, 1949–

UNITED STATES. CONGRESS. SENATE. SPECIAL COMMITTEE ON ATOMIC ENERGY. Essential information on atomic energy; including a glossary and bibliography. 94p. 23cm. Wash., 1946.

Allan, H. R. Atomic energy and society. Nature, Lond., 1948, **162**: 1005.—**Anderson, J. S.** Chemical aspects of atomic energy. Ibid., 1950, **165**: 134–6.—**Andrade, E. N. da C.** The atom and its energy. West London M. J., 1948, **53**: 75–91.—**Andreatta, C.** Energia nucleare e magmatismo. Scientia, Bologna, 1946, **80**: 77–83.—**Andrews, D. H.** Faith for the atomic age. Johns Hopkins Nurs. Alumnae Mag., 1949, **48**: 103–6.—**Astakhov, K. V.** Atomnaia energiia. Nauka & zhizn., 1947, 26; passim.—**Atomic** energy and its utilization. Nature, Lond., 1945, **156**: 547–51.—**Atomic** energy developments in France during 1946–50. Ibid., 1950, **165**: 382.—**Atomic** energy exhibition; the atom train. Ibid., 1948, **162**: 267.—**Atomic** energy research; the Harwell establishment. Pharm. J., Lond., 1948, **107**: 75.—**Atomic** Energy Research Establishment; progress at Harwell. Brit. M. J., 1948, **2**: 263–5. Also Nature, Lond., 1948, **162**: 317–20.—**Atomic** structure. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1948, **1**: 41–61, illust.—**Atoomkernen** als energiebron; symposium van de Nederlandsche natuurkundige vereeniging, gehouden op Vrijdag 26 April 1946 in het Physisch laboratorium der Rijks-Universiteit te Utrecht. Ned. tschr. natuurk., 1947, **13**: 81; 113.—**Bacher, R. F.** Research and the development of atomic energy. Science, 1949, **109**: 2–7. ——— & **Feynman, R. P.** Peaceful uses of atomic energy. Pub. U. S. Dep. State, 1946–47, No. 2661, 21–3.—**Bibliography** (A) of atomic energy. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 4, 1–21.—**Borst, L. B.** Engineering opportunities in atomic energy. Nucleonics, 1949, **5**: No. 6, 66–70.—**Bothe, W.** Special nuclear reactions. CIOS Rep., Lond., 1945, Item 21 & 24, No. XXIX–47, 5.—**Broglie, L. de.** La structure des atomes et l'énergie atomique. Psyché, Par., 1947, **2**: 382; 513; 661; 785.—**Buchta, J. W.** A physicist's summary of atomic energy. Am. J. Optometr., 1945, **22**: 578–88.—**By-products** of atomic energy. Atomic Energy Yearb., Lond., 1949, 47–55.—**Campbell, D. C.** Radiation instruments for military use; introduction. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **4**: 1. ——— Radiation in general. Ibid., 3–5. ——— Ionization chamber. Ibid., 7–14, illust. ——— Gas amplification. Ibid., 15–7, illust. ——— Proportional counter. Ibid., 19. ——— Geiger-Mueller counter. Ibid., 21–6, illust. ——— Scaling circuits. Ibid., 27. ——— Count rate meter. Ibid., 29. ——— Crystal and chemical detection. Ibid., 31–3. ——— Photographic dosimetry. Ibid., 35–8, illust. ——— Cloud chambers and accelerators. Ibid., 39. ——— Shape and characteristics. Ibid., 41–3, illust. ——— Calibration. Ibid., 45, illust. ——— Operational instrumentation. Ibid., 47–57, illust. ——— Description of actual instruments. Ibid., 59–82, illust. ——— A–N nomenclature list. Ibid., 85. ——— Glossary of terms concerned with radiac instruments. Ibid., 87.—**Chadwick, J.** Atomic energy. Lancet, Lond., 1947, **1**: 315–20. ——— Atomic energy and its applications. Nature, Lond., 1947, **159**: 421–5.—**Compton, A. H.** Atomic energy as a human asset. Ibid., 1946, **157**: 146–51. Also Proc. Am. Philos. Soc., 1946, **90**: 70–9. Also Annual Rep. Smithson. Inst. (1946) 1947, 161–76. ——— & **Jeffries, Z.** Future of atomic energy. Pub. U. S. Dep. State, 1946–47, No. 2661, 81–6.—**Conant, J. B.** Atomic energy. Texas Rep. Biol. M., 1947, **5**: 188–98.—**Condon, E. U.** Atomic energy; development and application. In: Atomic Energy Act (U. S. Congr. 79. Congr. Senate) Wash., 1946, 36–47.—**Daniels, F.** Comments on the development of atomic energy. Papers U. S. Symp. Isotopes in Biol., 1948, 433–42.—**Darwin, C.** Atomic energy. Science Progr., Lond., 1946, **34**: 449–65.—**Dauer, M.** The production, procurement and handling of radioisotopes. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 114–21.—**Dietz, D.** Atomic energy. Britan. Bk, 1947, 82–8.—**Dumont, E.** L'énergie atomique. Centre méd., Moulins, 1947, **53**: 126–9.—**Dunning, J. R.** The future of atomic energy. Am. Scientist, 1950, **38**: 60–84.—**Electricity** and magnetism. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1948, **1**: 19–30.—**Electromagnetic** waves. Ibid., 31–9.—**Energia** atómica. Farmacoter. actual, Madr., 1946, **3**: 581.—**Frank-Kamenetsky, G. K.** [Physical investigation of the atomic nucleus in Soviet Russia during 1938] Priroda, 1939, **28**: No. 2, 40–51.—**Glossary**; scientific terms relating to atomic energy. In: Atom. Energy Regul., Alb., 1947–48, **15**: 8, 2090–104.—**Hebein, J.** Materija, atom i energija. Med. glasn., 1947–48, **2**: 72–7.—**Heisenberg, W.** Research in Germany on the technical application of atomic energy. Nature, Lond., 1947, **160**: 211–5.—**Historical** survey [Atomic energy] In: Atom. Energy Regul., Alb., 1947–48, **15**: 6, 2066–86.—**Hogness, T. R.** Atomic energy. Illinois Dent. J., 1946, **15**: 136–45.—**Instrumentation** and photographic dosimetry. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1948, **1**: 121–45, illust.—**International** (An) bibliography on atomic energy. Nuclear Sc. Abstr., 1949, **3**: 100.—**Johns, A. E.** Atomic energy. Annual Rep. Smithson. Inst. (1947) 1948, 177–90.—**Joliot-Curie, F.** L'énergie atomique. Bull. Acad. méd., Par., 1945, **129**: 721–4. Also Atomes, Par., 1946, 1–3. Also Experientia, Basel, 1946, **2**: 60–2. ——— L'énergie atomique en France. Atomes, Par., 1947, 187–91.—**Katzoff, S. L.** Atomic bombs, atomic medicine, nuclear physics, the cyclotron and radio-active elements. Nat. Eclect. M. Ass. Q., 1947–48, **39**: No. 4, 11–3.—**Kothari, D. S.** Nuclear energy and its utilization. J. Sc. Indust. Res., Delhi, 1945–46, **4**: 324–8.—**Kowarski, L.** Physique et technique de l'énergie atomique. Atomes, Par., 1946, No. 5, 13–7.—**Lapp, R. E.** Elementary principles of atomic energy. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 4, 25–36. ——— The elements of nuclear energy. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 1–15.—**Lawrence, J. H.** Constructive and destructive aspects of atomic energy. J. M. Soc. N. Jersey, 1948, **45**: 330–4.—**Leikind, M. C.** A bibliography of atomic energy, March 1, 1946–February 1, 1947. Bull. Atomic Scientists, 1947, **3**: 127–35.—**Lexique** atomique. Atomes, Par., 1946, No. 5, 6.—**McMahon.** Utilization of atomic energy. In: Atomic Energy Act (U. S. Congr. 79. Congr. Senate) Wash., 1946, 19–21.—**Majorana, Q.** Energia atomica. Rendic. Accad. sc. Ist. Bologna (1945–46) 1947, **50**: 15–41.—**Malisoff, W. M.** On the non-existence of the atomic secret. Philos. of Sc., Balt., 1946, **13**: 1.—**Martin, L. H.** Atomic energy. Australas. J. Pharm., 1946, **27**: 543–5.—**Motion** and energy. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1948, **1**: 7–17.—**Natanson, L.** Energia atomowa. Nauka polska, 1947, **25**: 507–18.—**Natural** radioactivity and nuclear structure. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1948, **1**: 63–87.—**Neutron** physics and fission. Ibid., 105–20.—**Nielsen, J. R.** Atomic and molecular energies. Sc. Month., 1946, **63**: 470–6.—**Nimmo, R. R.** Atomic energy [Bk Rev. by S. Weintroub] Nature, Lond., 1948, **162**: 239.—**Nuclear** reactions. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1948, **1**: 89–103.—**Oliphant, M. L.** The release of atomic energy. Nature, Lond., 1946, **157**: 5–7. ——— The utilization of nuclear energy. Proc. R. Inst. Gr. Britain (1945) 1947, **33**: 506–14.—**Peace** and atomic power. Nature, Lond., 1948, **161**: 741–4.—**Pirkey, E. L.** Atomic energy, its liberation. Kentucky M. J., 1948, **46**: 177–82.—**Pregel, B.** Peacetime uses of atomic energy. Social Res., 1947, **14**: 27–44.—**Reactor** (The) program. Semiann. Rep. U. S. Atom. Energy Com., 1950, **7**: 14–8.—**Release** of information on atomic energy. Nature, Lond., 1947, **159**: 411.—**Richardson, R. S.** Atomic power in the laboratory and in the stars. Annual Rep. Smithson. Inst. (1946) 1947, 151–9.—**Rosengarten, G.** Fifty years of atomic energy. Am. J. Pharm., 1946, **118**: 132–6.—**Rowlands, S.** Atomic energy. S. Mary Hosp. Gaz., Lond., 1946, **52**: 67–70.—**Sangiorgi, G.** Fasti e nefasti dell'energia atomica. Gior. med. mil., 1949, **96**: 539–52.—**Smyth, H. D.** From X-rays to nuclear fission. Science in Progr., N. Haven, 1949, **6**: 1–22. ——— The national laboratories; their role in atomic energy development. Nucleonics, 1950, **6**: 4–9.—**Spallation.** Semiann. Rep. U. S. Atom. Energy Com., 1950, **7**: 69.—**Stewart, I.** Atomic energy. In his Organiz. Sc. Res. War, Bost., 1948, 120–3.—**Thibaud.** Introduction à la vie atomique origine et avenir de l'énergie atomique. J. radiol. électr., 1947, **28**: 198.—**Thomas, C. A., Leverett, M. C.** [et al.] Nuclear power. Pub. U. S. Dep. State, 1946–47, No. 2661, 125–7.—**Thomson, G. P.** Atomic energy and its implications. Nature, Lond., 1946, **157**: 826.—**Trabacchi, G. C.** L'energia del nucleo atomico e la sua utilizzazione. Rendic. Ist. sup. san., Roma, 1945, **8**: 381–98.—**Wigner, E. P.** Atomic energy. Research, Lond., 1947–48, **1**: 577–80. Also Science, 1948, **108**: 517–21.—**Willits, J. H.** Social adjustments to atomic energy. Proc. Am. Philos. Soc., 1946, **90**: 48–52.—**Winne, H. A.** Atomic energy in industry. Annual Rep. Smithson. Inst., 1947–48, 177–88.

—— Control, and ethical aspect.

MAY, H. L. Narcotic drugs and atomic energy; analogy of controls. 14p. 20cm. N. Y., 1946.

PIKE & FISCHER. Atomic energy regulation [v.p.] 25cm. Alb., 1947–48.

UNITED STATES. CONGRESS. SENATE. SPECIAL COMMITTEE ON ATOMIC ENERGY. Atomic

energy act of 1946; report [To accompany S. 1717.] 125p. 23cm. Wash., 1946.

—— Atomic energy; hearings. Pt. 3–5. p.463–573. 23cm. Wash., 1946.

United States. Department of State. Publication 2702: The international control of atomic energy; growth of a policy. 281p. 22½cm. Wash., 1946.

—— Publication 2661: The international control of atomic energy; scientific information transmitted to the United Nations Atomic Energy Commission, June 14, 1946–October 14, 1946. 6v. in 1. 195p. 23cm. Wash., 1947.

Atomic (The) Energy Act of 1946. Bull. Atomic Scientists, 1946, **2**: No. 3, 18–25.—**Atomic Energy** Act of 1946; P. L. 585, 79th Congr., 2nd Sess., Approved 1 August 1946. In: Atom. Energy Regul., Alb., 1947–48, **10**: 1–21, 1005–32.—**Atomic Energy** Act, 1946, Great Britain; summary of essential features. Atomic Energy Yearb., Lond., 1949, 99–102.—**British** statements relating to the atomic bomb; statements by Prime Minister Attlee and Winston Churchill, issued August 6, 1945. In: Atomic Energy Act (U. S. Congr. 79. Congr. Senate) Wash., 1946, 48–71.—**Control** of atomic energy. Nature, Lond., 1947, **159**: 823.—**Darwin, C.** Agency's research and development activities. Bull. Atomic Scientists, 1947, **3**: 256.—**Ethical** basis of atomic energy control. Nature, Lond., 1948, **161**: 989–91.—**Hill, A. V.** The moral responsibilities of scientists. Bull. Atomic Scientists, 1946, **1**: No. 7, 3.—**International** control of atomic energy. Nature, Lond., 1946, **157**: 853–5; 1948, **161**: 291–3. Also Atomic Energy Yearb., Lond., 1949, 216–20, illust.—**Kartman, L.** Science and atomic politics. Am. Scientist, 1947, **35**: 364–70.—**Kay, L. W., & Gitlin, I. J.** Atomic energy or the atomic bomb; a problem in the development of morale and opinion. J. Social Psychol., 1949, **29**: 57–84.—**Langmuir, I.** World control of atomic energy. Proc. Am. Philos. Soc., 1946, **90**: 65–9.—**Lilienthal, D. E.** Organization and administration of the international agency. Bull. Atomic Scientists, 1947, **3**: 203–6.—**McMahon, B.** The struggle for atomic peace. Tr. Ass. Life Insur. M. Dir. America (1948) 1949, **32**: 76–84.—**McNaughton, A. G. L.** Agency's functions in relation to location and mining of ores. Bull. Atomic Scientists, 1947, **3**: 257.—**Miller, M.** The atomic scientists in politics. Ibid., 242.—**Millikan, R. A.** The control of the atomic bomb. Pharos, Slaterville Springs, 1946–47, **10**: 3–7.—**Oliphant, M. L.** Control of atomic energy. Nature, Lond., 1946, **157**: 679.—**Operational** and developmental functions of the international agency. Bull. Atomic Scientists, 1947, **3**: 253–5.—**Peierls, R. E.** Atomic energy; threat and promise. Endeavour, Lond., 1947, **6**: 51–7.—**Rose, F. de, McNaughton, A. G. L.** [et al.] Agency's rights & limitations relating to inspections, surveys & explorations. Bull. Atomic Scientists, 1947, **3**: 262–5.—**Senate** report on Atomic Energy. In: Atomic Energy Regul., Alb., 1947–48, **15**: 1–10, 2005–125.—**Shils, E. A.** American policy and the Soviet ruling group. Bull. Atomic Scientists, 1947, **3**: 237–41.—**Shotwell, J. T.** The control of atomic energy under the charter. Proc. Am. Philos. Soc., 1946, **90**: 59–64.—**Simpson, J. A.** The scientists as public educators; a two year summary. Bull. Atomic Scientists, 1947, **3**: 243–6.—**Technological** control of atomic energy activities. Ibid., 1946, **2**: No. 11, 18–29. Also U. S. Dep. State, 1946–47, No. 2661, 143–95.—**Text** of the agreed declaration on atomic energy by the President of the United States, the Prime Minister of the United Kingdom, and the Prime Minister of Canada, issued November 15, 1945. In: Atomic Energy Act (U. S. Congr. 79. Congr. Senate) Wash., 1946, 33–5.—**Urey, H. C.** International aspects of atomic energy. Papers U. S. Symp. Isotopes in Biol., 1948, 423–32.

—— Medical aspects.

Mallet, L. C. M., & Lecamus, H. F. E. Bombardement atomique et radioactivité artificielle; applications biologiques et médicales. 183p. 21½cm. Par., 1946.

Siri, W. E. Handbook of radioactivity and tracer methodology. 867p. 28cm. Dayton, 1948.

Forms No. 5669, Techn. Rep. U. S. Air Force. Also forms No. MCREXD-696-60, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Abderhalden, E. Die Atombombe als weiteres Beispiel einer an sich segensreichen Verwertung von Forschungsergebnissen, mit jedoch lebensfeindlicher Auswirkung. In his Gedank. eines Biolog. &c., Zür., 1947, 40.—**Campana, A.** Da Hiroshima al carbone 14; l'energia nucleare al servizio della medicina. Gior. med. mil., 1947, **94**: 61–4.—**Cooney, J. P.** Atomic energy. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 58–60.—**Draeger, R. H.,** & **Warren, S.** Medicine at the crossroads. U. S. Nav. M. Bull., 1947, **47**: 219–25.—**Hogness, J. R.** Tracer techniques. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 122–6.—**Houghton, K. H.** Biological effects of radiation. Ibid., 39–46.—**Leifer, E.** Radioactive isotopes in clinical medicine. Ibid., 127–32.—**Lyon, G. M.** Medical aspects of atomic energy. Mil. Surgeon, 1948, **102**: 269–73.—**Martinius, J.** Atome, Atombomben, Materie, Kraft, der Lichtäther im Weltall. Pharm. Ztg., Berl., 1950, **86**: 51.—**Measurement** and evaluation of radiological hazards. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, **2**: 127–41.—**Pendergrass, E. P.** The atomic bomb experiments in the Pacific with a consideration of the relationship of atomic energy to the future of medicine. Philadelphia M., 1946–47, **42**: 325–30. Also Tr. Coll. Physicians Philadelphia, 1946–47, **14**: 107–12.—**Recognition** of radiation hazards. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, **2**: 111–26, illust.—**Skarżynski, B.** Dzialanie patologiczne energii atomowej. Polski tygod. lek., 1947, **2**: 393.—**Soberman, R. J.** Internal hazards of fission products and plutonium. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 79–82.—**Süe, P.** Energie nucléaire et bombe atomique. In his Dix ans appl. radioact., Par., 1948, 99–102.—**Whitby, L.** Efectos de la energia atómica en la sangre. Prensa méd. argent., 1947, **34**: 648–50.—**Williams, E. G.** Public health aspects of atomic energy. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, **3**: 83–6.

—— Reactors.

Mann, W. B. The cyclotron. 92p. 17cm. N. Y., 1940.

Akers, W. Metallurgical problems involved in the generation of useful power from atomic energy. Nature, Lond., 1947, **160**: 182.—**Atomic** energy reactors. Atomic Energy Yearb., Lond., 1949, 23–46.—**Burcham, W. E.** The one-million-volt accelerating equipment of the Cavendish Laboratory, Cambridge. Nature, Lond., 1947, **160**: 316–8.—**Dunworth, J. V.** Operational characteristics of the Harwell piles. Research, Lond., 1949, **2**: 73–8.—**Fermi, E.** Elementary theory of the chain-reacting pile. Science, 1947, **105**: 27–32.—**First** (The) reactor. Atomic Energy Yearb., Lond., 1949, 18–22, illust.—**Gemant, A.,** & **Archer, H. M.** Study on the radioactive-electric converter. Nucleonics, 1948, **3**: 40–5.—**Harrer, J. M.** Controlling a power-producing nuclear reactor. Ibid., 1950, **6**: No. 3, 58–65.—**Hundred** million-volt, 49 hundred-ton atom smasher. Chem. Leaflet, 1941–42, **15**: No. 2, 54–6.—**Mallet, L.,** & **Lecamus, H.** Les générateurs de la désintégration atomique. In their Bombard. atom., Par., 1946, 50–78.—**U. S. A.** reactors [tab.] Atomic Energy Yearb., Lond., 1949, 78.—**World's** accelerators. Sc. American, 1948, **179**: No. 4, 18.

ATOMIC Energy Commission.

Langham, W. Medical and biological research activities of the Los Alamos Laboratory. 16p. 27cm. Oak Ridge, 1947.

Forms MDDC 1439, Docum. U. S. Atom. Energy Com.

United States. Atomic Energy Commission [Document] Oak Ridge, MDDC 145, 1946—

—— Semiannual report. Wash., 1 (1946) 1947—

—— Abstracts of declassified documents, v. 1–2. 2v. 27cm. Oak Ridge, Tenn., 1947–48.

For continuation see: Nuclear science abstracts, v. **1**, 1948–

—— Declassified documents release. Oak Ridge, No. 11, 1948—

United States. Atomic Energy Commission. Medical Board of Review. Report. 11 l. 26cm. Wash., 1947.

[United States] Brookhaven National Laboratory. Administrative and scientific progress report. Upton, July/Dec. 1948–

Combines its Administrative progress report and Scientific progress report, formerly issued separately.

—— Scientific progress report. Upton, N. Y., Jan./July, 1948.

United States. Clinton National Laboratory. 1947 summary of nuclear data. p.81–186. 20½cm. N. Y., 1948.

In: Nucleonics, N. Y., 1948, **2**:

Atomic Energy Commission. In: Science & Pub. Policy (U. S. President Sc. Res. Bd) Wash., 1947, **2**: 243–53.—**Atomic** Energy Commission documents. Nucleonics, 1948, **3**: 28–33.—**Atomic** Energy Commission publications. Ibid., 1949, **4**: No. 6, 70.—**Boardman, B. F.** Atomic Energy Commission research data being released by increased tempo. J. Southeast. Res., Atlanta, 1949, **1**: 24.—**Current** AEC unclassified contracts for biological, medical, and physical research. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 161–75.—**Fellowship** boards and AEC fellowships for 1949–50. Ibid., 183–9.—**Major** research centers of the U. S. Atomic Energy Commission. Ibid.,

151; 1950, 7: 197.—**Medical** Board of Review reports to U. S. A. E. C. Bull. Atomic Scientists, 1947, 3: 272–4.—**Nuclear** (A) research institute at Oak Ridge. Science, 1946, 103: 705.—**Pearson, P. B.** The Atomic Energy Commission as it relates to the biological sciences. Proc. Food Nutr. Bd. U. S. Nat. Res. Counc., 1949, 9: 47.—**Santamarina, V.** Comisión nacional de aplicación de la energía atómica a usos civiles. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, 1: No. 4, 48–53.—**United** States Atomic Energy Commission reports to Congress. Bull. Atomic Scientists, 1947, 3: 275–80.—**Warren, S.** Medical program of the Atomic Energy Commission. J. Am. M. Ass., 1948, 138: 1227.

ATOMIC warfare.

See also **Atomic bomb; Atomic energy.**

Bradley, D. V. No place to hide. 182p. 19½cm. Bost., 1948.

Crowther, J. G., & Whiddington, R. Science at war. 185p. 20cm. Lond., 1947.

Lapp, R. E. Must we hide? 182p. 22cm. Cambr., 1949.

Smyth, H. D. A general account of the development of methods of using atomic energy for military purposes under the auspices of the United States Government, 1940–1945. 182p. 23cm. Wash., 1945.

United States. Atomic Energy Commission. Information for the press, No. 216: The city of Washington and an atomic bomb. 8 l. 27cm. Wash., 1949.

Analysis of effects of bombs on people and areas. Semiann. Rep. U. S. Atom. Energy Com., 1949, 6: 47–55, illust.—**Bronowski, J.** Atomic bombardment and its effects in relation to fire engineering. Brit. Chem. Digest, 1947–48, 2: 84–8.—**Brookover, W. B.** Scientific analysis of fear in human relations. Social Sc., 1949, 24: 164–7.—**Cooney, J. P.** A proper psychological approach toward atomic warfare. Fog Horn, S. Franc., 1948–49, 8: No. 36, 2. ——— Psychological factors in atomic warfare. Am. J. Pub. Health, 1949, 39: 969–73. Also Radiology, 1949, 53: 104–10. Also in: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 110–3.—**Howard, J. W.** A proper psychological approach toward atomic warfare. Bull. Dade Co. M. Ass., 1949, 20: No. 4, 35–7.—**Kryter, R. J.** Atomic power in war and peace. Proc. Am. Drug Manuf. Ass., 1949, 37. meet., 54–83; 42. meet., 52–76.—**Lapp, R. E.** Effect of an atom-bomb explosion on a typical American city. In: Nuclear Phys. (Lapp, R. E.) pt 2, Wash., 1947, No. 2, 1–12, 3 diagr.—**Loftus, J. E.** Strategy, economics, and the bomb. Sc. Month., 1949, 68: 310–20.—**Luft, J., & Wheeler, W. M.** Reaction to John Hersey's Hiroshima. J. Social Psychol., 1948, 28: 135–40.—**Mallet, L.** La guerre atomique. Médecin fr., 1949, 9: 103, 116.—**Radiological** warfare. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 68–71.—**Tuzuki, M.** Problems in contamination of the bombed area. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 94–8.—**Van Rooyen, J.** The biological implications of radioactive warfare. S. Afr. M. J., 1946, 20: 772–9.

—— Defense.

See also **Air defense; Atomic bomb,** Pathological effect; **Defense; Radar.**

Bauer, A. J. Preventive measures for atomic explosion. 3p. 27cm. Wash., 1948.

United States. Armed Forces Special Weapons Project. Radiological defense. 4v. 26½cm. Wash., 1948–51.

United States. Navy. Bureau of Medicine and Surgery. An introduction to radiological safety. 56p. 26cm. Wash., 1947.

Andrews, H. L. Essentials of instrumentation. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 24–9.—**Atom** (The) bomb and the nurse. Nurs. Mirror, Lond., 1946, 83: 249.—**Atomic** (The) bomb and our cities from report of U. S. Strategic Bombing Survey. Bull. Atomic Scientists, 1946, 2: No. 3, 29.—**Bauer, A. J.** Preventive measures for atomic explosion. Delaware M. J., 1948, 20: 121–3. Also Mil. Surgeon, 1948, 103: 55–7. Also Lawrence Co. M. Soc. Bull., 1948–49, 15: No. 3, 11–4.—**Behrens, C. F.** Radiological safety in atomic warfare. Rhode Island M. J., 1949, 32: 195–8.—**Brown, C. J.** Medical preparedness in atomic defense. Med. Ann. District of Columbia, 1948, 17: 191–6.—**Bryan, P. H. H.** Defense in atomic warfare. Mil. Rev., Fort Leavenw., 1950, 30: 79–84.—**Carling, E. R.** The future comes apace; what shall defend the interim? Brit. J. Radiol., 1949, 22: 1–10.—**Christopherson, D. G.** Defence against the atomic bomb. Nature, Lond., 1946, 158: 151–3.—**Coale, A.** Reducing vulnerability to atomic attack; protective methods that may reduce the potential consequences of an attack by atomic bombs. Bull. Atomic Scientists, 1947, 3: 71–4.—**Creyghton, J. W.** Luchtbeschermingsmaatregelen tegen een aanval met atoombommen. Geneesk. gids, 1949, 27: 490–3.—**Decontamination.** In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 160–79, illust.—**Emergency** control measures. Ibid., 180–201, illust.—**Eyerman, M. F.** Radiological defense. Mil. Rev., Fort Leavenw., 1949–50, 29: No. 2, 19–24.—**Fetter, T. R.** Atomic disaster plans in Philadelphia. Philadelphia M., 1947–48, 43: 1847, &c.—**Glorieux.** Lucha contra la bomba atómica. Arch. méd. mex., 1949, 7: 574–82.—**Hoffman, E. J.** Radioactive decontamination problems. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 87–90.—**Lyon, G. M.** Radiological defense. Ibid., 97–101.—**Marco, F. de.** Abrigos contra a bomba atômica. An. paul. med. cir., 1947, 53: 183–90.—**Military** organization and training for atomic defense. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 202–16, illust.—**Nègre & Bolot.** Principes de défense passive antiatomique. Presse méd., 1949, 57: 82; 108.—**Park, W. E.** If an atomic bomb should fall. Canad. M. Ass. J., 1949, 61: 473–8.—**Principles** (The) of military defense against atomic weapons; historical experience. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 1–14, illust.—**Protection** against A-bomb effects. Chemistry, Wash., 1946–47, 20: No. 10, 36–9.—**Protection** of personnel. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1951, 2: 142–59, illust.—**Schneider, O., & King, E. R.** Atomic disaster planning. In: Atomic Med. (Behrens, C. F.) N. Y., 1949, 208–24.—**Stone, W. W.** Protection against atomic bombs. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 91–6.—**Tuzuki, M.** Protection and rescue problems against the atomic bomb. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 99–102.—**Winant, F. I.,** jr. Command aspects of radiological defense. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 102–9.

—— Medical aspect.

See also **Atomic bomb,** Pathological effect; **Atomic energy,** Medical aspect.

Cox, W. C. Notes on preventive medicine in the atomic age. 21p. 27cm. Wash., 1948.

Wilson, W. L. Medical planning for atomic disaster. 9 l. 32cm. Wash., 1950.

Andreen, A. Medicinska aspekter på atomkriget. Sven. läk. tidn., 1947, 44: 1181–3.—**Army** doctors say mass hysteria need not follow atomic bomb explosion. Pennsylvania M. J., 1947–48, 51: 905.—**Bauer, A. J.** Treatment of acute radiation illness. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 69.—**Blech, G. M.** We will still be useful. Mil. Surgeon, 1947, 101: 114–6.—**Cozza, A.** Il pericolo atomico dal punto di vista medico. Ann. med. nav., Roma, 1949, 54: 287; passim.—**Cunningham, M.** An Army nurse looks into atomic nursing. Trained Nurse, 1950, 124: 12.—**Del Villar Madrid, R.** Aspectos médicos de la guerra atómica. Bol. san. mil., Méx., 1948, 1: 155–63.—**Draeger, R. H.** Therapy of acute radiation illness. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 65–8.—**Glorieux.** La bombe atomique envisagée par le Service de santé de l'Armée. Ann. belg. méd. mil., 1949, 102: 117–63.—**Jacobson, L. O., Stone, R. S., & Allen, J. G.** Physicians in an atomic war. J. Am. M. Ass., 1949, 139: 138–40.—**Kester, W. O., & Miller, E. B.** Veterinary aspects of atomic explosion. J. Am. Vet. M. Ass., 1948, 113: 325–9. ——— Atomic warfare and the veterinary profession. Ibid., 1949, 114: 113–9.—**King, E. R.** Medical aspects of an atomic disaster plan. U. S. Nav. M. Bull., 1948, 48: Suppl., 185–204.—**LeRoy, G. V.** Medical problems of atomic warfare. Bull. North Shore Br. Chicago M. Soc., 1947, Dec., 13–7.—**Lueth, H. C.** Problems of medical care in the atomic age. Philippine M. World, 1948, 3: 347–56.—**Newell, R. R.** Wartime radiation; the calculated risk. Radiology, 1949, 53: 111–3.—**Pearse, H. E., & Payne, J. T.** Therapy and handling of mechanical and thermal injury from the atom bomb. In: Radiol. Defense (U. S. Armed Forces Spec. Weap. Proj.) Wash., 1950, 3: 71–8, illust.—**Snyder, L. H.** Atomic bombs over Washington. Med. Ann. District of Columbia, 1949, 18: 505–11.—**Some** medical aspects of atomic warfare. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 113–6.—**Stafford, J.** Medical weapons against atom. Chemistry, Wash., 1947–48, 21: No. 8, 7–10.—**Street, R. T.** The dentist's role following an atomic bomb explosion. Frater, Menasha, 1948–49, 48: No. 3, 5. Also J. Missouri Dent. Ass., 1949, 29: 93. Also J. Georgia Dent. Ass., 1949–50, 23: 19–21. ——— & **Street, J. B.,** jr. The dentist's role following an atomic bomb explosion. J. Michigan Dent. Soc., 1949, 31: 224–6. Also J. N. Jersey Dent. Soc., 1949–50, 21: 6–9. ——— What the dentist can do to aid survivors of an atomic bomb blast. CAL, Chic., 1949–50, 12: No. 5, 2; 18.—**Sunderman, F. W.** Civilian medical planning for atomic catastrophes. Philadelphia M., 1947–48, 43: 1893, &c.—**Teneff, S.** Sui compiti dei medici in un'eventuale guerra atomica. Minerva med., Tor., 1949, 40: Varia, 559–61.—**Wedd, G. D.** Medical aspects of atomic warfare. J. R. Nav. M. Serv., 1949, 35: 29–36.—**What** every medical officer should know about the atomic bomb; public health aspects of atomic explosion. Bull. U. S. Army M. Dep., 1948, 8: 431–3.—**Wilkins, J. H.** Atomic warfare and animals. J. R. Army Vet. Corps, 1949, 20: 63; 104.

ATTACK (and assault)

See also related references under **Aid station; Air defense; Air raid; Battle; Combat; Gas warfare,** Attack; **Offensive; Operation; Pursuit.**

Mercier, R. G. Preparativos de ataque. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 20–2.—**Nahid Tunaşar.** [Health service in sudden attacks and night combats] Askeri sihhiye mecmuasi, 1940, **69:** 7–9.—**Spalek, W.** [Psychology of the soldier during attacks and in panic] Lek. wojsk. 1926, **8:** 443–7.

ATTITUDE research.

See under **Militarism,** Attitude research; **Physician,** Attitude toward war.

ATTU.

For military medical history see as subdivision under **World War II.**

AUDIOMETRY.

See **Aviator,** Audiometry; **Deafness; Ear; Medical Examination,** Audiometry.

AUSTRALIA.

For military affairs of this commonwealth see such sect. heads as **Dental care; Dental corps; Dental service; Hospital report; Medical Corps; Medical department; Medical examination; Medical organization; Morbidity; Navy Medical Service; Neuropsychiatric examination; Nutrition service; Pharmaceutical service; Pharmacist; Physician; Prisoner of war; Ration; Recruiting; Tuberculosis; Venereal diseases; Veterinary Corps; World War I; World War II.**

AUSTRIA.

See for references under **Hospital report; Medical organization; Medical service; Morbidity; Orthopedics; Recruiting; Tuberculosis; Venereal diseases; World War I; World War II.**

AUSTRO-PRUSSIAN war (1866)

See under **Wars and campaigns.**

AUTOPSY.

See under **Pathology; Prisoner of war,** Autopsy; **Vehicle.**

AVIATION.

See also **Aeronautics; Blind flying; Fighter aviation; Flight; Flying; Landing.**

Brimhall, D. R. The effect of military requirements on civilian aviation. Mil. Surgeon, 1941, **89:** 155–60.—**Connecticut** airplane maneuver—Aug., 1912. Group photograph: Col. L. M. Mans; Col. W. Stephenson; Lt. Benj. D. Foulvis. See Collection in Library.—**Delgadillo, A.** Consideraciones generales sobre aviación. Rev. mil., La Paz, 1942, **6:** 321–5.—**Lederer, L. G.** The application to commercial aviation of some physiological factors developed by military aviation medicine. J. Aviat. M., 1945, **16:** 85–90.—**Military** aviation seen through the eyes of an army pilot. J. Aeronaut. Sc., 1940–41, **8:** Rev. Sect., No. 3, **7.**—**Reyes, A. F.** La aviación militar. Rev. mil., B. Air., 1935, **35:** pt 2, 45–56.—**Rynin, N. A.** [Striving for velocity and height of flight] Priroda, 1940, **29:** No. 9, 30–45.

—— Altitude.

See **Altitude.**

—— Climatic aspect.

United States. Air Force. Arctic, Desert & Tropic Information Center. School lectures. 10v. in 1. 27cm. N. Y., 1943.

Plischke, E. Trans-Arctic aviation. Annual Rep. Smithson. Inst. (1944) 1945, 285–96.—**Sirito, H. A.** Influencias de las temperaturas bajas en la navegación aérea. Rev. mil., B. Air., 1942, **42:** pt 1, 465–70.

—— Meteorological aspect.

Great Britain. Flying Personnel Research Committee. F. P. R. C. 392 (a) Effect of atmospheric conditions on the aviator. 10 l. 26½cm. Lond., 1941.

Jagsich, J. El problema meteorológico de la aviación militar. Rev. mil., B. Air., 1940, **40:** pt 2, 1157–72, 6 maps.—**Nagel.** Der Einfluss des Wetters auf die Tätigkeit der Luftwaffe. Mil. Wbl., Berl., 1938–39, **123:** 1494–7.—**Problem** (the) of rain, snow, and dust static. News Lett. U. S. A. Air Corps, 1940, **23:** No. 12, 7.

—— Speed and acceleration.

See **Acceleration; Supersonic speed.**

—— Stratosphere.

See also **Aeromedicine,** stratospheric; **Stratosphere.**

Tomlinson, D. W. Development of substratosphere flying. J. Aviat. M., 1941, **12:** 136–43.

AVIATION dentistry.

See **Altitude,** Dental effect; **Dentistry,** aviation.

AVIATION medical technician.

See also **Technician.**

United States. Naval School of Aviation Medicine. Aviation medicine technicians' manual. 120p. 26cm. Pensacola, 1942.

Beals, L. S., jr. The aviation medicine technician. Hosp. Corps Q., 1945, **18:** No. 5, 2–4.—**Stone, A. B.,** jr, **& Simmons, L. V.,** jr. Aviation medicine training. Ibid., 24.

AVIATION medicine.

See **Aeromedicine.**

AVIATION neuropsychiatry.

See **Neuropsychiatry,** Aviation aspect.

AVIATION physiology.

See also **Flying; Research.**

Goldie, E. A. G., & Gilson, J. C. Report on a visit to the Physiological Institute, University of Göttingen. v. l. [28] l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 632, Gr. Britain Flying Pers. Res Com.

Great Britain. Royal Air Force. Physiological Laboratory. Progress report. Lond. (1943/44) 1944—

Forms numbers of F. P. R. C. Rep. Gr. Brit. Flying Pers. Res. Com.

United States. Army Air Forces. Air Service Command. Aero Medical Laboratory. Your body in flight; an illustrated book of knowledge for the flyer. 83p. 27½cm. Fairfield, 1943.

United States. War Department. Technical manual TM 8–310: Notes on physiology in aviation medicine. 95p. 23cm. Wash., 1940.

Armstrong, H. G. Notes from the Physiological Research Laboratory, Wright Field, Dayton, Ohio. Flight Surgeon Topics, 1937, **1:** No. 2, 26; No. 3, 73; 1938, **2:** 15; 83; 157.—**Brestkin, M.** Aviacionnaia fiziologia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 19–24.—**Centre** (Le) d'études de biologie aéronautique du Service de santé de l'air. Econom. hôp., 1947, **16:** No. 100, 19.—**Fulton, J. F.** Physiology of aviation and medical preparedness. Connecticut M. J., 1940, **4:** 590–4.—**Graybiel, A., & Smedal, H. A.** History of the development of the Physiological Research Department and the Altitude Training Unit. Contact, Pensacola, 1946–47, **6:** 153–9.—**Lyman, C. P.** Physiology and military aviation. Proc. Hawaii. Acad. Sc. (1943–45) 1945, 19–20. meet., 5.—**Physiological** intercommunication research in the R. C. A. F. J. Canad. M. Serv., 1946–47, **4:** 33–44.—**Rein, F. H.** Die physiologische Forschung im Dienste neuzeitlicher militärärztlicher Aufgaben, insbesondere bei der Luftwaffe. Deut. Militärarzt, 1938, **3:** 124–9.

AVIATION psychiatry.

See subheadings of **Psychiatry** (aviation; U. S. Air Force)

AVIATION psychology.

See **Psychological service** (U. S. Air Force) **Psychology** (Air Force)

AVIATOR.

See also **Air Force; Aviation; Flight personnel.**

VITELES, M. S. The aircraft pilot; 5 years of research, a summary of outcomes. 46p. 27½cm. Wash., 1945.

Forms No. 46, Rep. Div. Res. U. S. Civil Aeronaut. Admin.

Capek, D. Soins préventifs de l'aviateur militaire. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 365–91. Also Bull. internat. Serv. santé, Liége, 1939, **12**: 772–96.—**Cutler, S. J., & Rafferty, J. A.** Study of regular Army pilots for years 1920–1941. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 32.—**Grant, N. W., & Lee, R. E.** Flat Foot Floogie. Flight Surgeon Topics, 1939, **3**: 19.—**Ledford, G. E.** Industrial aid for our changing requirements. Ibid., 210.—**Pivovarov, M. A.** Nekotorye voprosy uslovii raboty letchika. Voen. med. J., 1945, No. 7, 39–42.—**Taylor, S.** Planes, but no pilots. Flight Surgeon Topics, 1938, **2**: 17–20.

—— Altitude tolerance.

See under **Altitude.**

—— Aptitude.

See also subdivision (Flying adaptability)

KARPOVICH, P. V. Relation between coordination exercises and flying ability. 4 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 86, U. S. Air Force School Aviat. M.

Beaven, C. L. Aptitude for flying. Flight Surgeon Topics, 1937, **1**: No. 3, 61–6.—**Prediction** of aptitude. Air Surgeon Bull., 1944, **1**: No. 4, 8.

—— Audiometry.

See also **Medical examination,** Audiometry.

DICKSON, E. D. D., SIMPSON, J. F. [et al.] A new method of testing the hearing efficiency of aviation candidates. 4 l. 16½cm. Lond., 1943.

Forms F. P. R. C. No. 532, Gr. Britain Flying Pers. Res. Com.

KNOWLTON, G. C. Effect of rhythmic pressure variation upon auditory acuity. 16 l. 27cm. Dayton, 1943.

Forms No. ENG–49–696–52, Memo. Rep. Aero M. Laborat. U. S. Air Force.

SENTURIA, B. H. Determination of auditory acuity following various periods of exposure in the altitude chamber. 3p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 129, U. S. Air Force School Aviat. M.

—— A survey of auditory acuity among pilots and enlisted trainees. 14 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 171, U. S. Air Force School Aviat. M.

—— Auditory acuity of aviation cadets. 10 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 239, U. S. Air Force School Aviat. M.

SHOCH, D. E. Comparison of auditory acuity of flying personnel and non-flying personnel. 3p. 22cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 514, U. S. Air Force School Aviat. M.

Casella, B. Alterazioni di udito da variazione di pressione. Riv. med. aeronaut., 1938, **1**: 113–25. Also Deut. Militärarzt, 1940, **5**: 447 (Abstr.)—**Ewing.** A new method of testing the hearing efficiency of aviation candidates. Gr. Britain Flying Pers. Res. Com., 1943, No. 553, 1.—**Hallpike.** Recommendations on proposed new hearing test. Ibid., No. 559, 1–3. —— Proposed new test of hearing for air crew candidates. Ibid., 1944, No. 564, 12.—**Hill, B.** New method for testing the hearing efficiency of aviation candidates. Ibid., No. 572, 1–3.—**New** (The) hearing test for R. A. F. candidates for flying. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, Mar., 12.—**Senturia, B. H.** Auditory acuity of aviation cadets. Ann. Otol. Rhinol., 1944, **53**: 705–16.—**Shoch, D. E.** Validation of auditory acuity standards in AR 40–110. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 7; Oct. 13; 1948, Jan., 14. —— Comparison of auditory acuity of flying personnel and non-flying personnel. Ibid., Oct., 38.—**Sullivan, J. A.** A statistical analysis of audiometric surveys in the Royal Canadian Air Force. Tr. Am. Lar. Rhin. Otol. Soc., 1946, **50**: 400–28.—**Tonndorf, J., & Guild, E.** Validation of auditory acuity standards in AR 40–110. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 9; 1949, Jan., 11.

—— Barotrauma.

See **Altitude** (various subheads) **Barotrauma.**

—— Cardiovascular system.

See also **Cardiology.**

KOSSMANN, C. E. Collapse at low altitude in a case of previously unrecognized heart disease. 8 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 210, U. S. Air Force School Aviat. M.

ZEPPLIN, K. *Die bisherigen Ergebnisse der militärischen Fliegeruntersuchungsstelle zu Rostock (unter besonderer Berücksichtigung des Kreislaufsystems) [Rostock] 15p. 21cm. Gütersloh i. Westf., 1937.

Bazett, H. C. The inadequacy of present tests for cardiovascular fitness. Contact, Pensacola, 1942, **1**: No. 3, 3–10.—**Leach, J. E.** Diseases and defects in aircrew trainees; cardiovascular system. War Med., 1945, **8**: 1–4.—**Marvin, H. P., & Hall, W. F.** Electrocardiographic studies of Army Air Corps officers. Mil. Surgeon, 1940, **86**: 497–501.—**Stewart, C. B., & Manning, G. W.** A detailed analysis of the electrocardiograms of 500 R. C. A. F. aircrew. Am. Heart J., 1944, **27**: 502–23.—**Young, C. A.** Hypotension in aviation; with a review of 159 fatal crashes. U. S. Nav. M. Bull., 1941, **39**: 222–35. Also War. Med. Sympos., N. Y., 1942, 375–88.

—— Care.

Cutler, S. J., & Rafferty, J. A. Statistical study of care of flyer reports of the 8th Air Force. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 18; 1948, Jan., 31; July, 16.—**Tamisea, J. A.** The care of the flier. Flight Surgeon Topics, 1937, **1**: No. 4, 23–6.

—— Classification.

SHELDON, W. H. A basic classification applied to aviation cadets; the method. 18p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 127, U. S. Air Force School Aviat. M.

Faubion, R. W., & Bellow, R. M. Personnel work in the Army Air Forces; the Classification Division, Army Air Forces Technical Training Command. Psychol. Bull., 1942, **39**: 643–64.—**Flying** Uncle Sam's thunderbirds. Occupations, 1942–43, **21**: 54–8.—**Mathewson, F. A. L., Wilson, D. R.** [et al.] Medical classification of R. C. A. F. groundcrew on the basis of functional requirements. Canad. M. Ass. J., 1943, **49**: 512–5.—**Melton, A. W.** Intercorrelations [of standard aircrew classification tests] Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 4, 1012–8.

—— Clothing.

See **Clothing,** Air Force. For protective clothing see also under **Acceleration,** Protection.

—— Combat pilot.

LEVY, N. A. Personality disturbances in combat fliers. 89p. 22½cm. N. Y., 1945.

Combat (The) criterion program. Aviat. Psychol. Techn. Mem., 1944, No. 4, 1–14.—**Combat** validation, pilots. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 72–106.—**Preliminary** studies of combat-category arrangement. Aviat. Psychol. Techn. Mem., 1945, No. 6, 1–15.

—— Co-pilot.

Copilot. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 16, 143–50.

—— Deafness.

See **Aero-otitis.**

—— Decompression.

See subdivisions of **Altitude** (Aeroembolism; Decompression)

—— Defects.

Franzen, R. H., & Brimhall, D. R. Analysis of physical defects found by the Armed Services in pilots certified to be without disqualifying defect by civil pilot training examination. 18p. 27cm. Wash., 1942.

Forms No. 2, Rep. Div. Res. U. S. Civil Aeronaut. Admin.

Strong, S. M. Correcting physical defects in applicants for aviation training. Med. Rec., N. Y., 1942, **155**: 343–5.

—— Diseases.

See also **Acceleration, Injuries; Aero-otitis; Airsickness; Altitude, Anoxia; Barotrauma; Compressed air illness; Kinetosis,** etc.

Cutler, S. J., Rafferty, J. A. [et al.] Statistical study of Care of Flyer Reports; incidence of removals from flying status and number of days lost, by diagnosis, U. S. 8th Air Force, Jan.–Oct. 1943. 16p. 26cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 508, U. S. Air Force School Aviat. M.

Cutler, S. J., Rafferty, J. A., & Cherry, J. D. Statistical study of Care of Flyer Reports; incidence of altitude diseases, gunshot wounds and cold injuries, U. S. 8th Air Force, Jan.–Oct., 1943. 23p. 26cm. Randolph Field, 1948.

Forms Rep. No. 2, Proj. No. 508, U. S. Air Force School Aviat. M.

Reid, D. D. Sickness and stress in operational flying. p.123–31. tab. 25cm. Lond., 1948.

Forms F. P. R. C. No. 701, Gr. Britain Flying Pers. Res. Com. Also: Brit. J. Social M., 1948, **2**:

Charlet, R. Etat de la denture et aptitude physique du personnel navigant de l'aéronautique militaire, fiches signalétiques bucco-dentaires, procédé pratique d'identification. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 124–6.— **Childhood** diseases slow Army Air Corps training program at Chanute. Life, 1941, Apr. 14, p.67.—**Graybiel, A., Brown, N., & Crispell, R.** Medical complaints of flying personnel at a naval air station. U. S. Nav. M. Bull., 1944, **42**: 508–17.—**Guild, E., Curwen, G., & Ferber, C.** Review of literature concerning the detrimental effects of alcohol and lack of sleep on flying proficiency. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 10.— **Kukoverov, A. V.** K voprosu ob utomlenii letnogo sostava. Voen. med. J., Moskva, 1946, No. 11, 46–9.—**Monaco, B.** Studio statistico sulle cause di inabilità del personale aeronavigante militare riconosciute nel decennio 1928–37. Riv. med. aeronaut., 1938, **1**: 35–81.

—— Drugging.

Drugging of war flyers. Med. Rec., N. Y., 1940, **152**: 271.

—— Ear.

See also **Aero-otitis; Barotrauma;** also subheading (Otorhinolaryngological aspect)

Busch, H. Zur ohrenärztlichen Untersuchung auf Fliegertauglichkeit. Deut. Militärarzt, 1936, **1**: 116–20.—**Dickson, E. D. D., & Bateman, G. H.** A survey of the aural health of aircrew candidates for service with the Royal Air Force. J. Lar. Otol., Lond., 1944, **59**: 437–42.

—— Education.

Wylie, C. R., jr. Scientific education for Air Force officers. Sc. Month., 1947, **65**: 94–102.

—— Electroencephalography.

Thorner, M. W. Procurement of electroencephalographic tracings on 1000 flying cadets for evaluating the Gibbs' technique in relation to flying ability. 6p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 7, U. S. Air Force School Aviat. M.

Thorner, M., Gibbs, F. A., & Gibbs, E. L. Relation between the electroencephalogram and flying ability. War Med., Chic., 1942, **2**: 255–62.

—— Equilibrium (and vestibular apparatus)

See also **Vertigo;** also subheading (Otorhinolaryngological aspect)

Wenger, M. A. Studies of autonomic balance in Army Air Forces personnel. 111p. 25½cm. Berkeley, 1948.

Forms No. 4, v.**19** (or, No. 101) Comp. Psychol. Monogr.

Alandarov, N. S. [Results of vestibular stability training] Voen. san. delo, 1936, 94. ——— [Comparative data in investigations of the vestibular apparatus among aviators and students] Ibid., 1937, No. 4, 39–41.—**Caballero, A.** Aparato vestibular del personal en vuelo. Rev. españ. otoncuroft., 1947, **6**: 253–60.—**Casella, B.** La cronassia del nervo vestibolare nel personale aeronavigante e negli aspiranti al pilotaggio. Gior. med. mil., 1937, **85**: 806–24.—**Cioch, R.** [Increased excitability of the vestibular organs among the flying personnel] Polski przegl. med. lot., 1939, **8**: 40–7.—**De Kruyff van Dorssen, H. G. B.** The balancing chair. Flight Surgeon Topics, 1938, **2**: 99–100.—**Held, B.** An experiment with the balancing chair. Ibid., 101–4.—**Kantorovich, J.** [Use of physical exercises for training the organs of equilibrium in aviators] Voen. san. delo, 1935, 29–32.—**Kulikovsky, G.** [Training of the vestibular apparatus in aviators] Ibid., 21–9.—**Mikhlin, E.** [Reflex from the vestibular apparatus on the vessels of the nasal mucous, and its significance in selection of students for aviation] Ibid., 1937, No. 4, 41–6.—**Osolikhina, M.** [Training of the vestibular apparatus] Ibid., 37–9.— **Polkowski, K.** O konieczności rozszerzenia badán zmyslu równowagi u personelu latającego. Lek. wojsk., 1932, **20**: 917–26.

—— Eye.

See also subheading (Vision)

Mercier, A., & Duguet, J. Physio-pathologie oculaire de l'aviateur. ccxxxiii p. 23½cm. Par., 1947.

Rose, H. W. Ophthalmological experiences during flying fitness examinations. 7 l. 27cm. Heidelb., 1946.

Forms No. U 13–46–26, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Tiffin, J., & Bromer, J. Analysis of eye fixations and patterns of eye movement in landing a Piper Cub J–3 airplane. 26p. 27½cm. Wash., 1943.

Forms No. 10, Rep. Div. Res. U. S. Civil Aeronaut. Admin.

United States. War Department. Technical manual TM 8–300: Notes on eye, ear, nose, and throat in aviation medicine. 286p. 23cm. Wash., 1940.

Adams, J. C. The importance of tangent screen diagnosis. Contact, Pensacola, 1942, **1**: No. 4, 13.—**Alpern, M. B.** Visual standards for Army air pilots. Optometr. Week., 1941–42, **32**: 1101.—**Blatt, N.** Sélectionnement des aviateurs au point de vue de leur organe visuel. Rev. Serv. san. mil., Par., 1940, **112**: 323–34. Also War Med., Chic., 1942, **2**: 359 (Abstr.)—**Burmeister, H.** Untersuchungen über Aenderungen der optischen Reaktionszeit des Menschen beim Einwirken hoher Fliehkräfte. Luftfahrtmedizin, 1938–39, **3**: 277–84.—**Byrnes, V. A.** Eye problems in combat aviation. Texas J. M., 1942–43, **38**: 399–402. ——— Evaluation of eye tests used in the examination of Army aviators. Ibid., 1944–45, **40**: 235–40.—**Chavez Velando, L. A.** El astigmatismo y la aptitud para la aviación. Rev. san. mil., Lima, 1935, **8**: 54–71.—**Counsell, W. D.** Air Force eye standards and examination procedure. Tr. Ophth Soc. Australia, 1940, **2**: 7–18.—**Cridland, N.** The cover test for near. J. R. Nav. M. Serv., 1940, **26**: 361–4.—**Cyrlin, B.** [Protection of the eyes in the arctic regions and high altitudes] Voen. san. delo, 1937, No. 4, 24–31. ——— & **Vishnevsky, N. A.** [Physiology of vision in night and altitude flights] Ibid., 1936, 58–64.—**Dazzle** (The) Sub-Group. Gr. Britain Flying Pers. Res. Com., 1940–45, 6.—**Eyes** of the British Air Force. Am. J. Optometr., 1943, **20**: 204–6.—**Flekkel, A.** Zabolevaniia glaz v aviachasti. Voen. san. delo, 1940, No. 4, 97.—**Granström, K. O.** Erfarenheter av ögonundersökningar å militärflygaraspiranter. Sven. läk. tidn., 1942, **39**: 294–313.—**Hargreaves, J. M.** Some interesting ophthalmological factors in the selection of the military aviator. J. Aviat. M., 1936, **7**: 9–11.— **Imus, H. A.** Visual standards for naval aviation. Proc. Virginia Acad. Sc., 1947–48, **26**: 128. ——— Visual examination of flyers returned from combat. J. Aviat. M., 1948, **19**: 62–93.—**Kafka, M. M.** Military pilots' vision. Med. Rec., N. Y., 1942, **155**: 339.—**Livingston, P. C.** Heterophoria in aviation; its significance and its treatment. Tr. Ophth. Soc. U. K., 1934, **54**: 337–59. ——— The use of contact lenses in the Royal Air Force. Gr. Britain Flying Pers. Res. Com., 1942, No. 408, 1. ——— Visual problems of aerial warfare; day studies in photopic vision. Lancet, Lond., 1944, **2**: 67–73.— **Locknitz, K.** Ueber die Ergebnisse von Fusionsmessungen bei Sonderuntersuchungen auf Fliegertauglichkeit. Deut. Militärarzt, 1938, **3**: 173–5.—**Löhlein, W.** Bleibende Schädigung der Sehbahn im Höhenflug. Klin. Mbl. Augenh., 1938, **101**: 818–22.—**Marchman, O. M.,** jr. Diseases and defects in aircrew trainees; visual system. War Med., Chic., 1945, **8**: 371–5— **Mayou, B.** An orthoptist with the R. A. F. at home and overseas. Brit. Orthopt. J., 1947, **4**: 122–34.—**Mikhailov, N., & Totrov, M.** [Effect of hidden strabism on the technique of piloting] Voen. san. delo, 1938, No. 2, 62–4.—**Ono, K.** Untersuchung über die Akkommodationszeit am Auge des Marinefliegers. Bull. Nav. M. Ass., Tokyo, 1940, **29**: 57.—**Orthoptist's**

work with the Royal Air Force in England. Am. J. Optometr., 1943, **20**: 181–3.—**Pol, W.** [Changes in the acuity of vision among the military aviators between 1927–1932] Lek. wojsk., 1934, **24**: 373–8. ——— [Vision qualifications for aviation] Ibid., 1937, **30**: 694–6.—**Ramírez, F.** El ojo y la aviación. Rev. mil., La Paz, 1942, **6**: 741–6. Also Rev. san. mil., Caracas, 1942, **1**: 41–7.—**Rosenberg, S. P., & Vengrzhenovsky, G. S.** [Significance of convergence in the School of Aviation] Voen. san. delo, 1936, 37–40.—**Schmidt, I.** New tests for examination and training of color vision; Munsell papers. Q. Res. Rep. U. S. School Aviat. M., 1949, July, 9; Oct., 10.—**Schwichtenberg, A. H.** A study of the field of binocular vision of flying cadets at primary Air Corps training center. J. Aviat. M., 1935, **6**: 64–7.—**Scobee, R. G.** Rescarch on visual standards in the Army Air Forces. Minutes Army Navy Vision Com., 1945, 11. meet., 24–6.—**Starkiewicz, W.** [Effect of stunt flying in low altitude on the functional state of the eye] Lek. wojsk., 1936, **28**: 231–45.—**Stauffer, H. B.** The use of a Hughes double rotary prism in aviation examinations. J. Aviat. M., 1942, **13**: 148.—**Strughold, H.** The human time factor in flight; the latent period of optical perception and its significance in high speed flying. Ibid., 1949, **20**: 300–7.—**Vasconcelos, N. de.** A oftalmologia em face da aviação; semiotécnica de exame para aviador. Arq. brasil. med. nav., 1941, **2**: 319–31.—**Velhagen, K., jun.** Sehorgan und Luftfahrt. Deut. Militärarzt, 1936, **1**: 207; 254.—**Weaver, W. R.** Night flying—ophthalmological factors. Flight Surgeon Topics, 1937, **1**: No. 3, 1–7.—**Wolpaw, B. J.** Visual standards in aviation. Minutes Army Navy Vision Com., 1945, 11. meet., 27–30.—**Zaionchkovsky, M., & Kogan, E.** [Correcting lens for flyers and for the observers] Voen. san. delo, 1937, No. 4, 21–4.

—— Fatigue.

See also **War neurosis; War psychosis.**

Bartlett, F. A note on early signs of skill fatigue. 2p. 33cm. Lond., 1948.

Forms F. P. R. C. No. 703, Gr. Britain Flying Pers. Res. Com.

Knorre, G. v. Flying fatigue. 11 l. 27cm. Heidelb., 1946.

Forms No. S8–46–29, Transl. U. S. Air Force Aero M. Cent., Heidelb. Transl. from Forschber. Inspek. San. Wesens Luftwaffe, 1943, No. 18/45.

Wenger, M. A. Psychophysiological studies; test differences between returnees with and without symptoms of operational fatigue. 7p. 27cm. Randolph Field, 1945.

Forms Rep. No. 4, Proj. No. 421, U. S. Air Force School Aviat. M.

Anxiety reactions in airmen; operational fatigue. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 11, 1–5.—**Balser, B. H., & Pacella, B. L.** Studies on flying personnel with operational fatigue; carbohydrate and electroencephalographic studies. J. Nerv. Ment. Dis., 1945, **102**: 76–8.—**Bierman, H. R.** Physical fatigue in single control military aircraft. J. Aviat. M., 1946, **17**: 253–6.—**Fiumel, A.** Astenja lotnicza. Lek. wojsk., 1933, **21**: 692–705. ——— [Fatigue of the aviation personnel in relation to the evolution of aviation technique] Ibid., 1939, **33**: 291–5.—**Graybiel, A., Horwitz, O., & Gates, D.** The problem of fatigue among student pilots at the Naval Air Training Center, Pensacola, Florida. J. Aviat. M., 1944, **15**: 9–25.—**Grinker, R. R., Willerman, B.** [et al.] A study of psychological predisposition to the development of operational fatigue. Am. J. Orthopsychiat., 1946, **16**: 191–214.—**Henschke, U.** [et al.] Pilot fatigue, the capillary system and nutrition. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 44.—**Hollwich, F.** Pilot fatigue. Ibid., 53.—**Jeffries, W. M.** Stress on personnel flying the hump. Bull. U. S. Army M. Dep., 1946, **6**: 603–12.—**Kalez, M. M., & Hovde, R. C.** Pilot-staleness. U. S. Nav. M. Bull., 1946, **46**: 1441–50. **Keator, J. E., Kimball, A.** [et al.] Fatigue factors in helicopter flying. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 28.—**Kelsey, M. P.** Flying fatigue in pilots flying long-range single-seat fighter missions. Air Surgeon Bull., 1944, **1**: No. 6, 14–6.—**McFarland, R. A.** Fatigue in aircraft pilots. War Med. Sympos., N. Y., 1942, 430–48.—**Murray, J. M.** The syndrome of operational fatigue in flyers. Psychoanal. Q., 1944, **13**: 407–17.—**Reid, D. D.**—Sickness and stress in operational flying. Brit. J. Social M., 1948, **2**: 123–31.—**Störring, G. E.** [The treatment of flying fatigue] CIOS Rep., Lond., 1945, Item 24, No. XXVIII–49, 91–3.—**Szák, J., & Csefkó, I.** A fáradás jelentősége a rep. hajózó szolgálatban. Honvédorvos, 1950, **2**: 681–6.—**Tillisch, J. H., & Walsh, M. N.** Chronic exhaustion state in test pilots. War Med., Chic., 1942, **2**: 917–22.—**Weaver, E. M. F., Van Valkenburg, J. D.** [et al.] Medical problems of long range fighter missions; a study in fatigue. J. Aviat. M., 1947, **18**: 341–51.—**Zimmerman, H. A.** Fatigue in B–29 crewmen. Bull. U. S. Army M. Dep., 1947, **7**: 304–7.

—— female.

See under **Women in the Air Force.**

—— Fitness.

See also under **Aircrew.**

Grow, M. C., & Armstrong, H. G. Fit to fly. 387p. 20cm. N. Y., 1941.

Damon, A. Physique and success in military flying. Am. J. Phys. Anthrop., 1947, **5**: 239.—**Duguet, J., Nardin, R.** [et al.] Etude des nouvelles conditions médicales d'aptitude physique au service dans le personnel navigant de l'Armée de l'Air. Méd. aéronaut., 1946, **1**: 92–105.—**Fiumel, A.** [Effect of skiing on physical and mental fitness of the aviation personnel] Lek. wojsk., 1937, **29**: 730–6.—**Galla, E.** A hajózó és a sport. Honvédorvos, 1950, **2**: 465–8.—**Graybiel, A., & West, H.** The relationship between physical fitness and success in training of U. S. Naval flight students. J. Aviat. M., 1945, **16**: 242–9.—**Karpovich, P. V.** The physical fitness of Army flyers. J. Health Phys. Educ., 1944, **15**: 109 &c. ——— & **Green, E. L.** Physical fitness and age of Army Air Forces personnel. J. Aviat. M., 1946, **17**: 96–9.—**Karpovich, P. V., & Weiss, R. A.** Physical fitness of men entering the Army Air Forces. Res. Q. Am. Ass. Health, 1946, **17**: 184–92.—**Marshall, G. S.** Physical fitness in R. A. F. flying personnel. J. R. Inst. Pub. Health, 1939, **2**: 91–100.—**Starfinger, W.** Dienstfähigkeit und Fliegertauglichkeit nach überstandener Erkrankung. Deut. Militärarzt, 1941, **6**: 129–33.

—— Fitness tests.

See also under **Aircrew.**

Brown, J. S. The S. A. M. Rate Control Test. 3p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 39, U. S. Air Force School Aviat. M.

—— The S. A. M. Single Dimension Pursuit Test, models A, B, C, D, and E (CM801B–1, B–2, B–3, B–4, and B–5) 11p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 42, U. S. Air Force School Aviat. M.

—— Buel, J., & Melton, A. W. Development and evaluation of the S. A. M. Discrimination Reaction Time Test (CP611D) Model B. 19p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 470, U. S. Air Force School Aviat. M.

Brown, J. S., & Weitz, J. A pre-validation study of pilot selection test situations using the Link Trainer. 17p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 340, U. S. Air Force School Aviat. M.

Buel, J., & Melton, A. W. The S. A. M. Two-Hand Coordination Test for the classification of aviation cadets; apparatus and procedures [31]p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 124, U. S. Air Force School Aviat. M.

Byrnes, V. A., Carlson, W. A. [et al.] Study of time required to complete a 64-examination for flying [5]p. 27cm. Randolph Field, 1948.

Forms Proj. No. 21–02–082, U. S. Air Force School Aviat. M.

Davis, F. B. The AAF qualifying examination. 266p. 23½cm. Wash., 1947.

Forms No. 6, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Deemer, W. L., jr. Records, analysis, and test procedures. 621p. 24cm. Wash., 1947.

Forms No. 18, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Elbel, E. R., & Ronkin, R. R. Palmer skin resistance as a measure of physical fitness. 31p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 319, U. S. Air Force School Aviat. M.

Finch, G. The S. A. M. Speed of Manipulation Test. 9p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 460, U. S. Air Force School Aviat. M.

—— The S. A. M. Drift Correction Test. 13p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 462, U. S. Air Force School Aviat. M.

—— The SAM Check-List Dial Setting Test. 11p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 463, U. S. Air Force School Aviat. M.

GIBSON, J. J. Motion picture tes ing and research. 267p. 23cm. Wash., 1947.
Forms Rep. No. 7, Res. Rep. Aviat. Psychol. Program U. S. Air Force.

GRETHER, W. F. The School of Aviation Medicine Steadiness Test, Form B. 7p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 95, U. S. Air Force School Aviat. M.

KARPOVICH, P. V. A comparative study of the Behnke and the Harvard step-up tests for physical fitness. 17p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 148, U. S. Air Force School Aviat. M.

—— The effect of reverse and forward grips upon performance in chinning. 2 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 178, U. S. Air Force School Aviat. M.

—— The reliability of the AAF Physical Fitness Test. 2 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 184, U. S. Air Force School Aviat. M.

—— Effect of age upon the Physical Fitness Rating. 2 pts. 7p.; 5p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1 & 2, Proj. No. 191, U. S. Air Force School Aviat. M.

—— Studies of the AAF Physical Fitness Test; training curves in chinning. 4 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 245, U. S. Air Force School Aviat. M.

—— [The same] effect of secondary body movements on chinning scores. 1 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 2, Proj. No. 245, U. S. Air Force School Aviat. M.

—— [The same] selection of a time limit for sit-ups. 3p. 27cm. Randolph Field, 1944.
Forms Rep. No. 3, Proj. No. 245, U. S. Air Force School Aviat. M.

—— [The same] sit-ups and leg-lifts. 2p. 27cm. Randolph Field, 1945.
Forms Rep. No. 4, Proj. No. 245, U. S. Air Force School Aviat. M.

LOUCKS, R. B. Substitution of a microswitch scoring system for the photocell scoring technique now employed in Target Link Test. 3p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 416, U. S. Air Force School Aviat. M.

MELTON, A. W. The S. A. M. Steadiness Test, Form A, for the classification of aviation cadets. 28p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 77, U. S. Air Force School Aviat. M.

—— A comparison of the old and new Rudder Control Tests, CM120B and CM120C, and of the single target and triple target forms of the new Rudder Control Test. 25p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 339, U. S. Air Force School Aviat. M.

—— Apparatus tests. 1056p. 23½cm. Wash., 1947.
Forms v. 4, Res. Rep. Aviat. Psychol. U. S. Air Forces.

PAYNE, R. B. The AFSAM Compensatory Balancing Test, Model A. 8p. 26cm. Randolph Field, 1943.
Forms Test No. 2, Rep. No. 1, Proj. No. 21-02-011, U. S. Air Force School Aviat. M.

—— The AFSAM Pursuit Confusion Test, Model A. 9p. 26cm. Randolph Field, 1949.
Forms Test No. 1, Rep. No. 1, Proj. No. 21-02-011, U. S. Air Force School Aviat. M.

PHILLIPS, B. E. The relationship between certain aspects of physical fitness and success in pilot training. 65p. 27cm. Randolph Field, 1947.
Forms Rep. No. 1, Proj. No. 500, U. S. Air Force School Aviat. M.

ROBINSON, T. N., MAISON, G. L., & MARTIN, M. J. The Flack test. 11 l. 27cm. Dayton, 1944.
Forms No. ENG-49-696-64, Memo. Rep. Aero M. Laborat. U. S. Air Force.

RONKIN, R. R. A comparative study of the Behnke and Harvard step-up tests for physical fitness; further studies of the Harvard Step-up Test. 3p. 27cm. Randolph Field, 1943.
Forms Rep. No. 2, Proj. No. 148, U. S. Air Force School Aviat. M.

TURK, H. M. A simple coordination test in selection of aviation cadets. 11p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 196, U. S. Air Force School Aviat. M.

WENGER, M. A. Psychophysiological studies; the test battery, its rationale, and the effects of certain uncontrolled variables. p. 71–112. 27cm. S. Antonio, 1945.
Forms T45-6, Res. Bull. Psychol. Res. Unit S. Antonio Cadet Center.

WILLIAMS, A. M., jr, & BROWN, J. S. A prevalidation study of pilot-selection test situations using the Canadian Link Tester. 27p. 27cm. Randolph Field, Tex., 1945.
Forms Rep. No. 1, Proj. No. 356, U. S. Air Force School Aviat. M.

Byrnes, V. A., Carlson, W. A., & Flickinger, D. D. Study of the average time requirement for adequate completion of the 64-examination. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 16.—**Carlson, W. A.** A proposed aid in the selection of Army flying cadets. J. Aviat. M., 1939, **10**: 66–71.—**Ferree, C. E., & Rand, G.** [An instrument for testing pilot fitness] Deut. Militärarzt, 1940, **5**: 293 (Abstr.)—**Gilmer, B. v. H., & Preston, H. O.** Group testing. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 18, 7–13, 3 pl.—**Piéron, H.** Tests de sélection en aviation militaire. Bull. Inst. nat. travail, Par., 1947, **3**: 33; 65; 110.—**Rafferty, J. A., & Hager, R. P.** Construction of a battery of tests for the selection of students for the aviation medical examiner's course. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct. 17.

—— Flying adaptability.

See also subdivision (Aptitude)

BERMAN, I. R. The validity of the flying adaptability rating in predicting success in aviation training. 6p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 66, U. S. Air Force School Aviat. M.

RAFFERTY, J. A., & DEEMER, W. L., jr. Statistical evaluation of the experimental ARMA of World War II; factor analysis of items. 7p. 27cm. Randolph Field, 1949.
Forms Rep. No. 2, Proj. No. 21-02-097, U. S. Air Force School Aviat. M.

SHELDON, W. H. Use of the somatotype in standardizing and objectifying the ARMA (Adaptability Rating for Military Aeronautics) 21 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 2, Proj. No. 127, U. S. Air Force School Aviat. M.

Carlson, W. A. A suggested flying adaptability rating worksheet for file. Flight Surgeon Topics, 1939, **3**: 20–2.—**Rafferty, J. A., & Deemer, W. L.**, jr. Statistical evaluation of the experimental adaptability rating for military aeronautics of World War II. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 16.

—— Gastrointestinal tract.

Brauch, F. Zur Frage der Beeinträchtigung der fliegerischen Leistungsfähigkeit durch Magen- und Darmerkrankungen. Deut. Militärarzt, 1940, **5**: 460–6. Also War Med., Chic., 1942, **2**: 529–32 (abstr.)—**Gunzin** igaku; hikōsi to i-syōzyō [... airplane pilots and stomach symptoms] Tōzai igaku, 1941, **8**: 359.—**Mallison, R.** Magenbeschwerden bei Flugzeugführen. Deut. Militärarzt, 1940, **5**: 411–3. Also War Med., Chic., 1942, **2**: 528 (abstr.)

—— **Headache.**

See also in v.11, ser. 4, Index-Catalogue under **Migraine.**

Akopdzhanian, A. [Aviator's headache, and attempts in treatment with oxygen] Voen. san. delo, 1937, No. 4, 50.

—— **Height and weight.**

See also under **Anthropometry.**

MORANT, G. M. Preliminary report on body measurements of 2400 candidates for air crew. 8 l. 27½cm. Lond., 1943.

Forms F. P. R. C. No. 538, Gr. Britain Flying Pers. Res, Com.

—— Age-height-weight standards suitable for use in medical examinations of aircrew candidates. 3 l. 29cm. Lond., 1946.

Forms F. P. R. C. No. 653, Gr. Britain Flying Pers. Res. Com.

—— The heights and weights of Royal Navy pilots compared with those of R. A. F. pilots. 6 l. 27cm. Lond., 1947.

Forms F. P. R. C. No. 673, Gr. Britain Flying Pers. Res. Com.

—— Surveys of the heights and weights of Royal Air Force personnel. 20p. 33½cm. Lond., 1949.

Forms F. P. R. C. No. 711, Gr. Britain Flying Pers. Res. Com.

—— Surveys of the heights and weights of Royal Air Force personnel. Pt 2. 22p. 33cm. Lond., 1949.

Forms FPRC 711 (a) Fly. Pers. Res. Com. Gr. Britain.

—— **Hygiene.**

UNITED STATES. WAR DEPARTMENT. ARMY AIR FORCES. Air Forces manual No. 23: Handbook of recovery. 24p. 28cm. N. Y., 1944.

Baker, C. J. Personal hygiene of the flier. Flight Surgeon Topics, 1937, **1**: No. 3, 32–42.—**Crane, F. A.** Dental suggestions. Ibid., 54–6.—**Crane, J. E.** Time out for rest. Connecticut M. J., 1944, **8**: 379–80.—**Wright, D. G.** Rest for operational flyers. Air Surgeon Bull., 1945, **2**: 42.

—— **Life expectancy.**

Cutler, S. J., & Rafferty, J. A. Comparison of life expectancy, period of active duty, and medical history of flying and non-flying officers. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 14; Oct. 9; 1949, Jan., 15.—**Willius, F. A.** A talk on the adjustment of man to the advancing years of life. Flight Surgeon Topics, 1939, **3**: 109–11.

—— **naval.**

MCFARLAND, R. A., & FRANZEN, R. H. The Pensacola Study of Naval Aviators, final summary report. 139p. 27½cm. Wash., 1944.

Forms No. 38, Rep. Div. Res. U. S. Civil Aeronaut. Admin.

Carr, R. M. An alumnus returns. Contact, Pensacola. 1942, **2**: 17–20.—**Fiske, D. W.** Validation of naval aviation cadet selection tests against training criteria. J. Appl. Psychol., 1947, **31**: 601–14.

—— **Neuropsychiatry.**

See also **Neuropsychiatric examination.**

DAVIS, D. R. Behavior of neurotic subjects in the Cambridge cockpit. 19 l. 27½cm. Lond., 1943.

Forms F. P. R. C. No. 530, Gr. Brit. Flying Pers. Res. Com.

REID, D. D. The influence of psychological disorder on efficiency in operational flying. 14 l. 27cm. Lond., 1942.

Forms F. P. R. C. No. 508, Gr. Brit. Flying Pers. Res. Com.

SYMONDS, C. P. A series of cases with psychological disorder examined in relation to the problem of selection of flying personnel. 10 l. 29cm. Lond., 1941.

Forms F. P. R. C. No. 412a, Gr. Britain Flying Pers. Res. Com.

WENGER, M. A. Studies of autonomic balance in Army Air Forces Personnel. 111p. 25½cm. Berkeley, 1948.

Forms No. 4, v. **19** (or No. 101) Comp. Psychol. Monogr.

Archer, B. C. The emotional factor in service aviation. J. R. Nav. M. Serv., 1939, **25**: 108–19.—**Bick, J. W.**, jr. The problem of the severe psychoneurotic in the Army Air Forces. Am. J. Psychiat., 1945–46, **102**: 222–30.—**Bigelow, R. B.** Psychiatric problems in military aviation. Am. J. Orthopsychiat., 1942, **12**: 715–7. Also War Med., Chic., 1942, **2**: 381–402.—**Dolbnin, T. V.** K voprosu o nevrozakh letnogo sostava v voennoe vremia. Voen. san. delo. 1941, 59–61.—**Fulton, J. F., & Thorner, M. W.** Unsolved neurologic problems in military aviation. Tr. Am. Neur. Ass., 1941, **67**: 112–5.—**Green, D. M.** Aeroneuroses in a bomb training unit. J. Aviat. M., 1943, **14**: 373–7.—**Hastings, D. W.** Neuropsychiatric experiences in the AAF. Air Surgeon Bull., 1945, **2**: 359.—**Jensen, W. S.** Some interesting neuropsychiatric factors in the selection of military aviators. J. Aviat. M., 1935, **6**: 107–12.—**Klingman, W. O.** Psychiatric problems in flying personnel. J. M. Ass. Alabama, 1944–45, **14**: 109–13.—**Przysiecki, E.** [Rôle of sports in the development of mental qualities, indispensible for aviators] Lek. wojsk., 1935, **26**: 712–19.—**Reinartz, E. G.** Research aspects at the AAF School of Aviation Medicine in nervous and mental diseases. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 54–62.—**Requarth, W. H.** Emotional disturbances encountered in carrier pilots. U. S. Nav. M. Bull., 1947, **47**: 253–62.—**Symonds.** Clinical and statistical study of neuroses precipitated by flying duties. Gr. Britain Flying Pers. Res. Com. 1944, No. 564, 9–12.

—— **Neurosis.**

See under **War neurosis.**

—— **Nutrition service.**

See **Nutrition service,** Aviators.

—— **Orientation.**

See under **Flight,** Formation.

—— **Oto-rhino-laryngological aspect.**

See also subheadings (Audiometry; Ear)

Hall, D. S. Diseases and defects in aircrew trainees; ear, nose, throat and oral cavity. Arch. Otolar., Chic., 1946, **44**: 319–27.—**Halm, T.** A repüléssel kapcsolatos fül-orr-gégészeti problémák. Honvédorvos, 1951, **3**: 113–27.—**Kulikovsky, G.** Vestibuliarnaia trenirovka. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 694–8.—**Simpson, J. F.** A general survey of otorhinological considerations in service aviation. Proc. R. Soc. M., Lond., 1941–42, **35**: 245–8. Also J. Lar. Otol., Lond., 1942, **57**: 1–7.

—— **Oxygen deficiency.**

See **Anoxia.**

—— **Performance test.**

CHANNELL, R. C. An analysis of pilots' performances in multi-engine aircraft, R5D. 49 l. 28cm. Port Washington, 1947.

Forms No. 151–1 (20–0–1) Rep. Spec. Dev. Center U. S. Off. Nav. Res.

LOUCKS, R. B. A skid-slip recorder for assessing the proficiency of student pilots during routine check rides. 5p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 347, U. S. Air Force School Aviat. M.

WEITZ, J. Effect of shape and color coding of airplane controls on speed and accuracy of performance. 11p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 336, U. S. Air Force School Aviat. M.

Page, H. E. A cumulative record of naval aviator proficiency. J. Aviat. M., 1948, **19**: 211–8.—**Proficiency** measures. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 147–61.

—— **Personality test.**

O'GORMAN, W. D., & KUNKLE, E. C. A study of the relation between Minnesota Multiphasic Personality Inventory scores and pilot error in aircraft accidents. 9p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 477, U. S. Air Force School Aviat. M. Also J. Aviat. M., 1947, **18**: 31–8.

TURK, H. M. Relation of broken homes to success in flying training (elementary schools) 17p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 203, U. S. Air Force School Aviat. M.

Carlson, W. A. Nervous stability. Flight Surgeon Topics, 1939, **3**: 207.—**Construction** of keys X, Y, and Z for the biographical inventory. Aviat. Psychol. Techn. Mem., 1944, No. 3, 1–5.—**Hamlin, P. G.** Personality reactions in a group of military airplane pilots; with special reference to behavior to alcohol. J. Aviat. M., 1939, **10**: 129–35. Also Deut. Militärarzt, 1940, **5**: 293 (Abstr.)—**Heathers, G. L.** Personality and adjustment studies. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 59–85.—**Humm, D. G.** Note concerning the validity of standard and custom-built personality inventories in a pilot selection program, by Donald E. Super. Educ. Psychol. Measur., 1948, **8**: 257–61.—**Jennings, L. S.** Minnesota multiphasic personality inventory; differentiation of psychologically good and poor combat risks among flying personnel. J. Aviat. M., 1948, **19**: 222–6, &c.—**Lawrence, D. H.** Biographical surveys. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 102–18.—**Lottig, H.** Bedeutung und Methodik der Persönlichkeitsbeurteilung in der Fliegertauglichkeitsprüfung. Deut. Militärarzt, 1936, **1**: 337–42.—**Morávek, Z.** Výzkum osobnosti a jeho theoretické předpoklady při výběru k výkonné letecké službě. Voj. zdrav. listy, 1949, **18**: 320–30.—**Super, D. E.** The validity of standard and custom-built personality inventories in a pilot selection program. Educ. Psychol. Measur., 1947, **7**: 735–44.

—— Physical examination.

See also **Hyperventilation**; also various subdivisions (Fitness; Fitness test, etc.)

Davis, F. B. The AAF qualifying examination. 266p. 23½cm. Wash., 1947.

Forms No. 6, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Great Britain. Air Ministry. The medical examination for fitness for flying (Royal Air Force and Civil) 90p. 8°. Lond., 1936.

—— [The same] 4. ed. 90p. 8°. Lond., 1938.

Repr. from 1936 ed. & includes Amendment Lists Nos. 1 & 2.

—— [The same] 4. ed., repr. 94p. 21½cm. Lond., 1940.

Kossmann, C. E., Green, E. L., & White, E. C. The reliability and value of thoracic and abdominal measurements in the physical examination for flying. 10p. 27cm. Randolph Field, 1945.

Froms Rep. No. 1, Proj. No. 243, U. S. Air Force School Aviat. M.

Loucks, R. B. The use of muscle action potential measurements in the selection of aircrew trainees. 9p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 274, U. S. Air Force School Aviat. M.

Dolbnin, T. V. Sanitarnaia dokumentaciia i osvidetelstvovanie vo vrachebnykh komissiiakh letnogo sostava v voennoe vremia. Voen. san. delo, 1941, 103–5.—**General** contributions to techniques of prediction and experimentation. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1948, No. 1, 261–95.—**General** evaluation of the AAF qualifying examination. Ibid., 1947, No. 6, 231–3.—**History** of the AAF qualifying examination. Ibid., 1–9.—**Keevil, J. J.** The examination of candidates for air pilots. J. R. Nav. M. Serv., 1940, **26**: 69.—**Kenny, E. B.** Remarks on recruiting in general and a review of 1,000 examinations for the Fleet Air Arm. Ibid., 1945, **31**: 39–45.—**Leedham, C. L.** Causes of failure in the physical examination for flying as seen in cadet applicants. Mil. Surgeon, 1940, **86**: 583–8.—**Martins Garcia, J.** Da aplicação da biotipologia na seleção de aviadores. Rev. med. mil., Rio, 1941, **30**: 378–88.—**Miscellaneous** examinations developed by the staff responsible for the construction of the AAF qualifying examination. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 6, 213–30.—**Miscellaneous** types of items developed for use in the AAF qualifying examination. Ibid., 199–211.—**Modifications** in the AAF qualifying examination and data pertaining to selected forms. Ibid., 33–51.—**New** physical examination form. Med. News Lett. Aviat. Suppl., Wash., 1947–48, **9**: No. 10, 1–3.—**Office** of the Flight Surgeon, Narsarssuak Army Air Base; medical screening of the outpost personnel. In: Prev. Med. in World War II, Wash., 1948, **6**: 79–81.—**O'Kelley, W. R.** Aviation physical examination. Hosp. Corps Q., 1945, **18**: No. 5, 20–3.—**Physical** examination for flyers; changes in technic. Air Surgeon Bull., 1945, **2**: 46.—**Physical** examination for flying: AR 40–110. Ibid., 175.—**Principles** underlying the construction of the AAF qualifying examination. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 6, 11–31.—**Reports** of physical examination for flying. Bumed. News Lett. Aviat. Suppl., Wash., 1947, **8**: No. 10, 3–7.—**Takagi, K.** Ohbei ni okeru kōkūdōmusya sintai kensa [Physical examination of pilots in Europe and America] Gun idan zassi, 1927, No. 165, 241–51.—**Travers, T. a'B.** Muscle balance and its importance in the selection of air crew. Med. J. Australia, 1943, **2**: 123.—**Uses** of the AAF qualifying examination. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 6, 53–8.—**Westerberg, E.** Några synpunkter på läkarundersökningarna av militärflygare. Sven. läk. tidn., 1943, **40**: 295–302.

—— Physical examination: Findings.

Berman, I. R. An estimate of the number of men in the United States who could qualify as pilots under existing standards. 4p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 50, U. S. Air Force School Aviat. M.

Franzen, R., & McFarland, R. A. Detailed statistical analysis of data obtained in the Pensacola study of naval aviato s. 45p. 18cm. Wash., 1945.

Forms No. 41, Rep. Div. Res. U. S. Civil Aeronaut. Admin.

Grulee, C. G., jr. A study of records of aircrew personnel eliminated from flying after graduation from flying training. 11 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 211, U. S. Air Force School Aviat. M.

Rook, A. F. Sub-standard candidates; a report on the after history followed for a period of ten years of 106 candidates accepted for piloting duties in the Royal Air Force with a sub-standard physical efficiency and on 103 controls. 11p. 33½cm. Lond., 1948.

Forms F. P. R. C. No. 698, Gr. Britain Flying Pers. Res. Com.

Gore, T. L., & Lawton, W. H. An analysis of 575 examinations at Maxwell Field for primary flying training. J. Aviat. M., 1936, **7**: 172–6.—**Lyons, R. E.** Analysis of the causes of disqualification of 164,687 applicants rejected for aviation training. Ibid., 1949, **20**: 193–200.—**Sellers, A. H., Corbet, A. A. G.** [et al.] Findings in wartime physical examination of volunteers for air force service, and some implications for the future. Canad. M. Ass. J., 1949, **61**: 462–7.

—— Physical standards.

See also under **Medical examination**, Physical standards.

[United States] National Research Council. Committee on Selection and Training of Aircraft Pilots. The medical requirements of the Civil Aeronautics Administration and the recommended medical requirements of the Personnel Licensing Division of the Provisional International Civil Aviation Organization. 75p. 27cm. Wash., 1947.

United States War Department. Army regulations. No. 40–110: Standards of physical examination for flying. 24p. 8°. Wash., 1931.

—— [The same] Changes No. 2. 7p. 8°. Wash., 1933.

—— [The same] Changes No. 3. 8p. 8°. Wash., 1935.

Belli, C. M. Requisiti fisici e psichici per il servizio di pilota aereo nella R. Marina. Ann. med. nav., Roma, 1914, **2**: 352–62.—**Considerações** gerais, bases e propostas referentes ao projecto de regulamento relativo à revisão do pessoal aeronáutico navegante. Bol. Dir. serv. saúde mil., 1947, **10**: 41–7.—**Damon, A., Randall, F. E.** [et al.] The importance of human sizing standards in aviation. Air Surgeon Bull., 1944, **1**: No. 3, 8.—**Egorov, P. I.** [Requirements concerning the state of internal organs for candidates for aviation service] Tr. Acad. mil. méd. Kiroff, 1935, **4**: 175–98.—**Estudo** base para a selecção e inspecção do pessoal aeronáutico navegante. Bol. Dir. serv. saúde mil., 1947, **10**: 26–40.—**Grant, D. N. W.** Physical standards and waivers. Air Surgeon Bull., 1945, **2**: 275–8.—**Kafka, M. M.** The flying cadet candidate and the family physician. J. Am. M. Ass., 1941, **116**: 956. Also Med. World, Phila., 1941, **59**: 298.—**Mashburn, N. C., & Marshall, F. A.** Aviation medical standards, British R. A. F. versus U. S. Army Air Corps. J. Aviat. M., 1942, **13**: 62–71.—**Spunt, E. T.** New physical standards for army pilots. N. England J. M., 1941, **225**: 999–1001.—**Tuttle, A. D.** Physiological and psychological characteristics of successful pilots. Mil. Surgeon, 1941, **88**: 227–37.

—— Psychological examination.

See also **Neuropsychiatric examination; Psychological service.**

GRETHER, W. F. Development of the S. A. M. Steadiness Aiming Test, Form B, for use in the selection and classification of aircrew personnel. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 88, U. S. Air Force School Aviat. M.

HUMPHREYS, L. G. Factor analysis of the integration battery. 17p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 418, U. S. Air Force School Aviat. M.

—— Re-analyses of foresight and planning, judgment, and reasoning tests. 19p. 27cm Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 438 & 442, U. S. Air Force School Aviat. M.

—— Analyses of judgment and reasoning tests in aviation-student and high-school populations. 9p. 27cm. Randolph Field, 1945.
Forms Rep. No. 2, Proj. No. 442, U. S. Air Force School Aviat. M.

LOUCKS, R. B. The validity of smoothness of control measurements obtained during performance of the S. A. M. Two-Hand Coordination Test as a basis for selection of aircrew candidates. 7p. 27cm. Randolph Field, 1944.
Forms Rep. No. 3, Proj. No. 45, U. S. Air Force School Aviat. M.

WENGER, M. A. Psychophysiological studies, No. 1–5. p.71–125; 149–82. 27cm. S. Antonio, 1945.
Forms No. 6, 7, 9–11, of T45, Res. Bull. Psychol. Res. Unit S. Antonio Cadet Center.

—— Psychophysiological studies; intercorrelations, factor analyses, and equations for estimating factors. 16p. 27cm. Randolph Field, 1945.
Forms Rep. No. 2, Proj. No. 421, U. S. Air Force School Aviat. M.

Aviation cadet qualifying examination of the Army Air Forces. Psychol. Bull., 1944, **41**: 385–94.—**Aviation** (The) psychology program of the Army Air Forces. Ibid., 1943, **40**: 759–69.—**Barison, F.** Il reattivo di Rorschach in 108 piloti aviatori decorati al valor militare. Gior. psichiat., 1943, **71**: 231–3.—**Barrett, W. G.** Psychologic armoring for the Air Forces. War Med., Chic., 1944, **5**: 142–5.—**Carlson, W. A.** Intelligence testing of flying cadet applicants; a report on psychometric measurement. J. Aviat. M., 1941, **12**: 226–9.—**Delucchi, J. R.** Selection of military aircraft pilots; our viewpoints about professional selection and psychological examination. Ibid., 1942, **13**: 234–44. —— & **Mata, L.** Un estudio del examen de la atención aplicable a la selección de pilotos. Rev. san. mil., B. Air., 1939, **38**: 190–5.—**Detachment** histories. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 1–11.—**Flanagan, J. C.,** & **Fitts, P. M.,** jr. Psychological testing program for the selection and classification of air crew officers. Air Surgeon Bull., 1944, **1**: No. 6, 1–5.—**General** contribution to the theory and knowledge of education and training and the evaluation of effectiveness. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1948, No. 1, 251–7.—**General** contributions to the theory and knowledge of individual differences and trait differences. Ibid., 239–50.—**History,** organization, and research activities, Psychological Test Film Unit, Army Air Forces. Psychol. Bull., 1944, **41**: 457–68.—**Husén, T.** Psykologiska undersökningar av flygaspiranter. Tskr. mil. hälsov., 1946, **71**: 51–98.—**Information** tests developed for the AAF qualifying examination. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 6, 75–103.—**Kellum, W. E.** An early attempt to evaluate psychological fitness for flight training. Contact, Pensacola, 1946–48, **6**: 232–5.—**Knappe, S.** Badania psychologiczne na uslugach medycyny lotniczej. Lek. wojsk., 1945, **36**: 63–9.—**Lawrence, D. H.,** & **Levine, A. S.** Attitude studies. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 86–101.—**Lead** crew aptitude. Ibid., No. 17, 162–82.—**Manual** of standing operating procedures for psychological processing (air crew) AAF Training Command. Ibid., No. 18, 511–75.—**Mashburn, N. C.** Some interesting psychological factors in the selection of military aviators. J. Aviat. M., 1935–36, 113–26.—**Mata, L.** Test of topographic memory applicable in military aviation. War Med., Chic., 1942, **2**: 526 (abstr.)—**Meier-Müller, H.** L'importance du facteur psychologique dans l'examen d'aptitude pour aviateurs militaires. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 201–13. Also Bull. internat. Serv. santé, Liége, 1939, **12**: 503–14.—**Melton, A. W.** History of the development and use of apparatus tests in the aviation psychology program. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 4, 1–21.—Perceptual tests developed for the AAF qualifying examination. Ibid., No. 6, 173–97, pl.—**Prediction** (The) of combat performance of Naval aviators by means of psychological tests, Aviat. Psychol. Techn. Mem., 1945, No. 5, 1–9.—**Problems** of criteria and control. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 19–23.—**Psychological** test construction and research in the Bureau of Naval Personnel; validity of the basic test battery, Form 1, for selection for ten types of elementary naval training schools. Psychol. Bull., 1945, **42**: 638–44.—**Ramírez, R.,** & **Yalour, R. R.** Selección psicológica previa de los aspirantes a pilotos en los grandes contingentes. Rev. san. mil., B. Air., 1943, **42**: 657–61.—**Recapitulation** and conclusion. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 193–200.—**Studies** on the problem of evaluating proficiency. Ibid., 1948, No. 1, 115–38.—**Tests** of mechanical comprehension developed for the AAF qualifying examination. Ibid., 1947, No. 6, 143–71.—**Tests** of practical judgment and reasoning developed for the AAF qualifying examination. Ibid., 105–41.—**Vann, J. W.** To what extent is reality adjustment concerned in the selection of the flying trainee? U. S. Nav. M. Bull., 1937, **35**: 434–40.—**Verbal** tests developed for the AAF qualifying examination. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 6, 59–73.—**Weitzman, E.,** & **Bedell, R. C.** The Central Examining Board for the training of naval air cadets. Psychol. Bull., 1944, **41**: 57–9.

—— Psychophysical test.

GUILFORD, J. P., & LACEY, J. I., eds. Printed classification tests. 919p. 23½cm. Wash., 1947.
Forms No. 5, Res. Rep. Aviat. Psychol. U. S. Air Forces.

WENGER, M. A. Psychophysiological studies; test differences between aviation students and operational-fatigue patients. p.113–25. 27cm. S. Antonio, 1945.
Forms T45–7, Res. Bull. Psychol. Res. Unit S. Antonio Cadet Center.

Buel, J., & **Payne, B.** Personnel selection and classification procedures; psychomotor tests.—Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 16; 1948, Jan., 17.—**Jensen, W. S.** Aspectos neurofísicos en el examen para aviadores. Rev. san. mil., B. Air., 1938, **37**: 73–80.—**Leoszko, J.** Z psychotechniki lotnictwa. Lek. wojsk., 1927, **10**: 406.—**Mata, L.** La psicocronometria en exámenes para aviadores. Rev. san. mil., B. Air., 1938, **37**: 809–21. —— Examenes psicofísicos en vuelo; comunicación previa. Ibid., 1941, **40**: 314–7. Also War Med., Chic., 1942, **2**: 527 (abstr.)—**Odilon Ortiz, G.** El examen psicofisiologico para la aeronavegación. Rev. san. mil., Asunción, 1939–40, **13**: 1065–74.—**Payne, R. B.,** & **Buel, J.** Personnel selection and classification procedures; psychomotor tests. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 25.—**Poppen, J. R.** Influence of aircraft performance on selection and care of military aviators.—War Med., Chic., 1941, **1**: 180–7.—**Ronchevsky, S. P.** [Certain points in psycho-hygienic work in the selection of men for military aviation] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 175–83.—**Talenti, C.,** & **De Meo, E.** [La psicotecnica in medicina aeronautica] Deut. Militärarzt, 1940, **5**: 292 (ahstr.)

—— Ration.

See under **Ration** (Aviator; U. S. Air Force)

—— Re-examination.

See also **Medical examination,** Recategorization.

Anthony, A. Fragen der ärztlichen Beurteilung und Begutachtung; Sonderverhältnisse bei der Luftwaffe. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 137–45.—**Benson, O. O.** Periodic physical examination of noncommissioned officers of the first three grades. Flight Surgeon Topics, 1937, **1**: No. 2, 22–4.—**Physical** recheck of new flying class. Flight Surgeon Topics, 1937, 1: No. 2, 17–21.—**Terres y Prieto, R.** La inspección médica periódica de los pilotos aviadores mejora su eficiencia y les evita accidentes. In: Mem. Sem. med. mil., Méx., 1937, 1. Congr., 9–19.

—— rejected.

See for reference under **Rehabilitation,** U. S. Air Force.

—— Selection.

See also other subheadings; also **Medical examination,** Physical standards.

GREAT BRITAIN. AIR MINISTRY. Instructions for the guidance of medical officers in the selection of recruits for the Royal Air Force. 29p. 12° Lond., 1939.

Armstrong, H. G. U. S. A. F. developments in the selection and classification of flyers. Mil. Surgeon, 1948, **102**: 469–73.—**Davies, W. W.** Some observations on aviation cadet selection. J. Aviat. M., 1940, **11**: 37–42.—**Drew, C. G.** The selection of aircrew in the Royal Air Force. Acta med. leg. social., Brux., 1948, **1**: 529–39.—**Flanagan, J. C.** The selection and classifica-

tion program for aviation cadets, aircrew; bombardiers, pilots, and navigators. J. Consult. Psychol., 1942, **6**: 229–39.—**Groesbeck, B.**, jr. Personnel selection procedures in military aviation. Mil. Surgeon, 1948, **103**: 16–9.—**Jenkins, J. G.** Naval aviation psychology; the procurement and selection organization. Am. Psychologist, 1946, **1**: 45–9.—**Kellum, W. E.** Recent developments in selection of candidates for aviation training. Am. J. Psychiat., 1943–44, **100**: 80–4.—**Lee, J. G.** Selecting the military pilot. Arizona M., 1944, 1: 58–61.—**Leedham, C. L.** A proposed method of procuring flying cadets. Flight Surgeon Topics, 1938, **2**: 94–5.—**Lemaire, E.** Pilotların seçimi (trans.) [Selection of pilots] Askerî sıhhiye mecmuası, 1947, **76**: 14–21.—**Leoszko, J.** [Collaboration of physicians with instructors in aviation schools] Lek. wojsk., 1935, **26**: 705–11.—**Manning, R. V., & Yellowlees, L. A.** RCAF aircrew selection methods. J. Aviat. M., 1949, **20**: 58–61.—**Mashburn, N. C.** The selection of the trainee for military aviation. Mil. Surgeon, 1939, **84**: 428–41. ——— Physical, physiological, and psychological considerations in selecting personnel for military aviation. Rocky Mountain M. J., 1940, **37**: 181–5.—**Mathewson, F. A. L.** Medical aspects of aircrew selection. Canad. M. Ass. J., 1942, **47**: 318–22.—**Mitchell, H. D.** Aircrew selection. Am. J. Psychiat., 1942–43, **99**: 354–7.—**Ramírez, R., & Yalour, R. R.** El problema de la selección de aspirantes a pilotos en los grandes contingentes. Rev. san. mil., B. Air., 1943, **42**: 332–4.—**Selection** (The) and classification of air-crew personnel. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1948, No. 1, 51–114, 6 ch.—**Selection** and evaluation of lead crews. Ibid., 1947, No. 16, 220–54.—**Sillevaerts.** La sélection des pilotes à la lumière des données de médecine et de physiologie aéronautiques. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 77–95.—**White, N. W.** Neglected aspects of selecting Air Corps personnel. Flight Surgeon Topics, 1939, **3**: 26–30, 4 diagr.

—— Training.

See also **Altitude,** Tolerance; **Atmospheric chamber,** Training; **Cadet; Reconnaissance; Target; Training.**

Karpovich, P. V. Development of special aviation exercises. 9p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 26, U. S. Air Force School Aviat. M.

Arkhangelsky, A. [Psycophysiology and ground training in aviation] Voen. san. delo, 1935, 31.—**Burwell, J. B.** Student training at the Air Corps training center. Flight Surgeon Topics, 1937, **1**: No. 2, 12–6.—**Findings** regarding instructional problems in the flying training schools. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1948, No. 1, 139–92.—**Gale, C. H.** Training military pilots. Yale Rev., 1941–42, **31**: 477–91.—**Karpovich, P. V.** Physical training for flyers. Air Surgeon Bull., 1944, **1**: 24.—**Norman, R. D.** A comparison of earlier and later success in naval aviation training. J. Appl. Psychol., 1947, **31**: 511–8.—**Pixlee, J. E., & Gubin, E. K.** Physical training for army flyers. Hygeia, Chic., 1942, **20**: 417–9.—**Sullivan, W. H.**, jr. The Naval Aviation Physical Training Program. J. Health Phys. Educ., 1943, **14**: 3; 53.

—— Transport pilot.

Tillisch, J. H., & Lovelace, W. R., II. The physical maintenance of transport pilots. Collect. Papers Mayo Clin. (1941) 1942, **33**: 78–86.

—— Vision.

See also subheading (Eye) also **Dazzle; Vision.**

Esteban, M. Las funciones visuales en aeronáutica. 79p. illust. 24cm. Madr., 1941.

Fonda, G. E., Green, E. L., & Heagan, F. V., jr. Comparison of results of sight-screener and clinical tests. 19p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 480, U. S. Air Force School Aviat. M.

United States. National Research Council. Committee on Aviation Psychology. An investigation of the relationship between visual ability and flight performance. 123p. 27½cm. Wash., 1948.

Forms No. 78, Rep. Div. Res. U. S. Civil Aeronaut- Admin.

Weaver, E. M. F. The importance of vision in aviation. J. Aviat. M., 1943, **14**: 289–99.—**Zaionchkovsky, M. U., & Kogan, E. S.** [Comparative evaluation of Russian, American, and international qualifications in vision for aviators and candidates for aviation schools] Voen. san. delo, 1936, 25–32.

AWARD.

Sec, Decoration.

Award of Silver Star. Bull. U. S. Army M. Dep., 1944, No. 82, 41.—**Medical** officers awarded the Purple Heart. J. Am. M. Ass., 1942, **120**: 627.—**Strott, G. G.** Silver Star awards to Naval medical personnel for service rendered during World War I. Hosp. Corps Q., 1944, **17**: 83–9.

AZOV war (1695–96)

See under **Wars and campaigns.**

BACTERIOLOGICAL warfare.

See also **Biological warfare.**

Pentler, C. F. *Some thoughts on bacteriological warfare. 10p. 8° 1932.

Bacterial warfare. J. Kansas M. Soc., 1942, **43**: 297.—**Berg van Linde, A.** Bakteriologisk krigföring. Hyg. rev., Stockh., 1949, **38**: 113–8.—**Blumental, N.** [Bacteriological war] Voen. med. J., Moskva, 1932, **3**: 167.—**Dupérié, R.** La guerre bactériologique. Gaz. sc. méd. Bordeaux, 1935, **56**: 27–9.—**Epler, R.** [Bacterial war] Polska gaz. lek. 1935, **14**: 203–5.—**Ericsson, H., & Berg von Linde, A.** Bakteriologisk krigföring. Hyg. rev., Stockh., 1949, **38**: 113–8.—**Fontes Peixoto, G. J.** A guerra microbiana. Rev. med. cir. Brasil, 1942, **50**: No. espec., 222–38.—**Fox, L. A.** Bacterial warfare. Sc. Month., 1942, **55**: 5–18.—**Gershenfeld, L.** Bacteria and the war. Pop. Sc. Talks, 1936, **14**: 46–61. Also in: Science in War (Philadelphia Coll. Pharm.) 1942, 46–61.—**Gorer, P. A.** Bacterial warfare. In: Frustr. science (Hall, A. D., et al.) Lond., 1935, 115–28.—**Gray, G. W.** War and disease. Harper's Magazine, May 1941, 614–24.—**Guerra** (A) bacteriológica. Impr. méd., Rio, 1943, **18**: No. 354, 126.—**Herderschée, D.** Bacteriologische oorlogvoering. Tschr. sociale geneesk., 1948, **26**: 489.—**Molehill** (The) of bacterial warfare. What's New, North Chic., 1943, No. 72, 8.—**Parr, L. W.** The professor talks about bacterial warfare. Hygeia, Chic., 1942, **20**: 344.—**Ragno, S. V. L.** Bacterial warfare. Gradwohl Lab. Digest. 1941–42, **5**: No. 3, 4–6.—**Raynaud, M.** La guerre bactériologique. Médecin fr., 1949, **9**: 106–8.—**Schweiger, L.** La guerra ai germi dell'aria. Medico condotto, 1948–49, **46**: No. 10, 86–8.—**Shalett, S.** Bacterial warfare. In: Science Yearb., N. Y., 1947, 110–9.—**Soto Morales, F. de.** Sobre guerra bacteriológica. Farmacoter. actual, 1946, **3**: 215–7.—**Ultime** (Le) fantasie sulla guerra batterica. Gazz. osp., 1937, **58**: 1131–7.—**Wasserstrom, T.** Wojna bakteryjna. Lek. wojsk., 1948, **24**: 380–400.—**Wibaux, R., & Chandelier.** La guerre microbienne. Mouvem. san., Par., 1940, **17**: 53–6.—**Yorke, R.** Bacterial warfare. Doctor, Lond., 1945, **4**: 201.

—— Defense.

See also **Epidemic; Epizootic.**

Rosebury, T., Kabat, E. A., & Boldt, M. H. Bacterial warfare, a critical analysis of the available agents, their possible military applications, and the means for protection against them. p.7–96. 25½cm. Balt., 1947.

Also J. Immun., Balt., 1947, **56**:

Anti-bacteriological warfare. In: Prev. Med. in World War II, Wash., 1948, **10**: 25–9.—**Le Bourdellès.** La guerre bactériologique et la défense passive antimicrobienne. Bull. méd., Par., 1939, **53**: 179–85.—**Se descubre** un rayo de la muerte contra los gérmenes como arma de guerra. Bol. clasc, Lima, 1942, **10**: 233–7.—**Sestini, L.** E possibile una guerra batteriologica? Ann. med. nav., Roma, 1934, **40**: pt 2, 549–61.—**Velu.** La prophylaxie contre les maladies épizootiques et la guerre microbienne. Rev. vét. mil., Par., 1934, **18**: 325–36.—**War** with bacteria. Week. Bull. Oregon Bd Health, 1942, **20**: No. 15, 1–4.

—— Ethical aspect.

See **Humanitarianism.**

—— History.

Oliaro, T. Contributo alla storia della guerra batterica. Minerva med., Tor., 1935, **26**: pt 1, 756–60.

—— Manuals.

Bardanne, J. La guerre et les microbes. 253p. 18½cm. Par. 1937.

Klein, D. *La guerre microbienne [Lyon] 154p. 8° Bourg, 1935.

Morata Cantón, J. Guerra química y bacteriológica. 292p. 22½cm. Barcel., 1938.

Sartory, A., & Sartory, R. La guerre bactériologique. 66p. 12° Par., 1935.

—— Medical aspect.

Bruynoghe, R. La guerre microbienne. Rev. méd. Louvain, 1933, 341–6.—**De Cesare, G.** La guerra microbica. Minerva med., Tor., 1935, **26**: pt 1, 733–7.—**Duffour, J.** La guerre bactériologique. J. méd. Bordeaux, 1937, **114**: 333–

49.—**Dupérié, R.** La guerre bactériologique. Ibid., 1935, **112:** 7–9.—**Fox, L. A.** Bacterial warfare; the use of biologic agents in warfare [1933] Mil. Surgeon, 1942, **90:** 563–79. Also J. Lab. Clin. M., 1942–43, **28:** 539–53.—**Griaznov, I. S.** [Bacteriological warfare] Kazan. med. J., 1941, **37:** 80–4.—**Mayer, R. L.** Epidemics and bacteriological warfare. Sc. Month., 1948, **67:** 331–7.—**Rochaix, A.** Epidémies provoquées; à propos de la guerre bactérienne. Rev. hyg. Par., 1936, **58:** 161–80.—**Shapiro, S. E.** [Perspectives in application of bacterial warfare in future war] Soviet. med., 1938, No. 22, 38–40.—**Simmons, J. E.** Bacteriological and sanitary problems of wartime. Biol. Colloq., Corvallis (1943–44) 1945, 14.—**Voizard, F.** A propos de la guerre bactériologique. Progr. méd., Par., 1936, 655–9.—**Wiesmann, E.** Zum Problem des Bakterienkrieges. Vjschr. schweiz. Sanitätsoff., 1948, **25:** 5–12. Also transl. Mil. Rev., Fort Leavenw., 1950, **30:** 106–10.

—— Objectives.

Fontes Peixoto, G. Os objetivos militares da guerra microbiana. Hora méd., Rio, 1944, No. 72, 39.

—— Possibility.

Bettencourt, N. de. A guerra bacteriológica; possibilidades actuais e previsões. Bol. Dir. serv. saúde mil., 1946, **9:** 111–23.—**Boye de Camino, H.** Posibilidades de una guerra bacteriológica. Rev. quím. farm., Santiago, 1946, **4:** No. 44, 2–4.—**F., G.** Une guerre bactériologique ou toxique est-elle pratiquement réalisable? Concours méd., 1949, **71:** 2667.—**Feasibility** of bacterial warfare. J. Am. M. Ass., 1943, **122:** 810.—**Gieszczykiewicz, M.** [Possibility of bacteriological warfare] Polska gaz. lek., 1936, **15:** 349–52.—**Guerra** (La) bacteriana; las posibilidades y la realidad. Bol. Of. san. panamer., 1942, **21:** 1033–9.—**Karyszkowski, L.** [Rôle of bacteria in future wars] Lek. wojsk., 1935, **25:** 717–26.—**Nâjera, L.** La guerra parasitológica, recurso de las naciones debiles; sus posibilidades futuras. Kuba, 1946, **2:** 121–35.—**Palmieri, V. M.** E reale il pericolo di una guerra batteriologica? Riforma med., 1942–43, **59:** 163.—**Rudowski, W.** Możliwości wojny bakteriologicznej. Lek. wojsk., 1948, **24:** 281–94.—**Skinner, G. A.** Does germ warfare threaten? Everybody's Health, S. Paul, 1942, **27:** No. 3, 4.—**Velu, H.** La guerre microbienne est-elle réalisable? Rec. méd. vét., 1935, **91:** 822–52.

—— Research.

See also **Epidemic; Epizootic.**

Rosebury, T. Experimental air-borne infection. 222p. 23½cm. Balt., 1947.

Sarfati, E. *Présomptions d'échecs dans la production expérimentale d'épidémies et d'épizooties. 47p. 25½cm. Par., 1940.

Rosebury, T. Studies of animal coat contamination. In his Exp. Airborne Infect., Balt., 1947, 117–20. ——— Respiratory exposure of guinea pigs and mice. Ibid., 148–51. ——— General data on studies with viruses. Ibid., 182. ——— Comparative stability and infectivity. Ibid., 201–9. ———Respiratory and other routes of infection compared. Ibid., 207–9.

—— Weapons.

Astuto, G. L'arma batterica in una guerra futura. Igiene mod., 1937, **30:** 241–55.—**Cernovský, J.** [Animal infections, transmissible to man, from the standpoint of intentional spreading] Voj. zdravot. listy, 1936, **12:** 120–34.—**C. P., M.** Un arma nueva contra los microbios. Casa méd., Madr., 1945, 2. época, No. 52 [47]—**Flick, V.** L'arma batteriologica. Rass. clin. ter., 1927, **26:** 211–29.—**Fox, L. A.** The use of biologic agents in warfare. Mil. Surgeon, 1933, **72:** 189–207. ——— A biologist looks at war; the correlated development of man and his weapons. Army Ordnance, Wash., 1934, **14:** 272–8. ——— Bacterial warfare; the use of biologic agents in warfare. Vet. Bull., Wash., 1934, **28:** 79–100.—**Georges, L.** L'arme bactériologique; future concurrente des armes chimique et ballistique; ses limites de rendement. Paris méd., 1922, **44:** (annexe) 392–8.—**Jarcho, S.** Malaria as a military weapon; a captured German broadside. Bull. Hist. M., 1945, **18:** 556–9.—**Lins, A.** Microbiologia de guerra e guerra bacteriológica. Impr. méd., Rio, 1943, **19:** No. 357, 32–8.—**Lusztig, A.** Der Bakterienkrieg. Zschr. Desinfekt., 1931, **23:** 93–112. Also transl., Boll. Ist. sieroter. milan., 1936, **15:** 266–71.—**Marcenac.** L'arme bactériologique dans les guerres modernes. Rev. vét. mil., Par., 1934, **18:** 301–23.—**Popescu, F.** [Bacterial warfare] Rev. vet. mil., Bucur., 1936, **7:** 502–26.—**Ramos Rodríguez, E.** La llamada arma bacteriológica. Rev. españ. med. cir. guerra, 1939, **2:** 158–73.—**Rosebury, T.** Stability and infectivity of a group of bacteria and viruses. In his Exp. Airborne Infect., Balt., 1947, 137–215. ——— Meningopneumonitis virus. Ibid., 183–7. ——— Psittacosis virus. Ibid., 187–201. ——— The Gleason and Borg strains of psittacosis virus. Ibid., 197–201.—**Tomasek, V.** [Could bacteria be used as a war weapon?] Voj. zdravot. listy, 1936, **12:** 279–94.

—— by countries.

Ward, T. G., & Caldwell, R. B. Bacteriological warfare report of APO 502, 708, 709, 244, 246, 247. In: Prev. Med. in World War II, Wash., 1948, **10:** 23.

—— by countries: Germany.

Rumania. Ministerul Afacerilor Straine. Microbe-culture at Bukarest; discoveries at the German legation; from the Rumanian official documents. 15p. 8° N. Y., 1917.

Blümmer. Der Bazillenkrieg und die Kriegsbazillenlüge. Mil. Wbl., Berl., 1929, **114:** 737.—**Kliewe.** Feindsabotage durch Bakterien. Ber. Arbeitstag. berat. Aerzte, 1944, **4:** 51.

—— by countries: Japan and China.

Ayres, P. B., Gilbert, F. J., & Hendrickson, R. M. Japanese bacteriological warfare. 3p. 25½cm. [n.p.] 1945.
Forms No. M–05, Med. Targets.

Newman, B. M. Japan's secret weapon. 223p. 21cm. N. Y., 1944.

Bacteriological warfare. Med. Rec., N. Y., 1942, **155:** 269.—**Bacterial (On)** warfare. Mil. Surgeon, 1942, **91:** 233.—**Bacterial** warfare. Chin. M. J., 1943, **61:** 259–63.—**Japanese** use the Chinese as guinea pigs to test germ warfare. Rocky Mountain M. J., 1942, **39:** 571.—**S., W.** Planned bacteriological warfare? Australas. J. Pharm., 1942, **23:** 551.

BACTERIOLOGIST.

Radoyé, T. Du rôle des bactériologistes dans la future guerre. Arch. méd. belge, 1933, **86:** 410–33.—**Taditch, R.** [On the rôle of the bacteriologists in future wars] Voj. san. glasnik, 1932, **3:** 409–25. ——— & **Barbieri, P. A.** ¿Qué papel les tocará desempeñar a los bacteriólogos en la guerra futura? Rev. san. mil., B. Air., 1934, **33:** 40–58.

BACTERIOLOGY [incl. microbiology]

See also other terms in Military Section as **Bacterial warfare; Bacteriologist; Epidemic; Epidemiology; Epizootic; Food; Wound infection,** Bacteriology.

San Francisco, Calif. Letterman General Hospital, United States Army. Enlisted Technician's School. Bacteriology syllabus. 41p. 27cm. S. Franc., 1942.

Aristovsky, V. Mikroorganizmy. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1054–61.—**Davis, D. J.** Bacteriology and the war. Sc. Month., 1917, **5:** 385–99.—**Gerundo, M.** Role of bacteriology in war. Med. Rec., N. Y., 1942, **155:** 366–9.—**Gray, G. W.** Death on the microbe front. In his Science at War, 3. ed., N. Y., 1943, 201.—**Grumbach, A., & Regamey, R.** Gedanken zum bakteriologischen Dienst der Armee. Vjschr. schweiz. Sanitätsoff., 1945, **22:** 101–4.—**Magalhães, M.** A microbiologia e a guerra. Resenha méd., Rio, 1942, **9:** 620–47.—**Neiman, I. S.** Bacteriology and war. Q. Chicago M. School, 1941–42, **2:** No. 3, 4.—**Pollák, R.** [Bacteriological experiences acquired during the World War] Voj. zdravot. listy, 1937, **13:** 147–55.—**Puntoni, V.** L'importanza della batteriologia ed il posto che le spetta nella medicina militare. Gior. med. mil., 1936, **84:** 931–6.—**Ritchie, M. B. H.** Bacteriology in the next war. J. R. Army. M. Corps, 1924, **43:** 24–8.—**Schreiber, W.** Infektionskrankheiten; die bakteriologische Ausrüstung des Feldheeres. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 11–24.—**Thompson, L.** Medical bacteriology in Army hospitals; progress since 1918. Proc. Mayo Clin., 1940, **15:** 705–7.

—— Laboratory.

See also **Laboratory; Medical laboratory.**

France. Armée. Laboratoire de recherches bactériologiques et de sérothérapie de l'armée. Laboratoire de recherches bactériologiques et de sérothérapie de l'armée. 10p. 27cm. [Val de Grâce?] 1925.

Germany. Oberkommando des heeres [Heeres-Druckvorschrift] H. Dv. 208/15: Packordnung des Kleinen bakteriologischen Feldlaboratoriums; Packordnung; Gebrauchsanweisung, vom August 1941. 20p. 21cm. Berl., 1941.

——— [Heeres-Druckvorschrift] H. Dv. 208/16: Packordnung des Bakteriologischen Feldlaboratoriums; Packordnung; Betriebsanleitung, vom

August 1941 [Reprint] 55p. 21cm. Berl., 1942.

Knorr, M. Die motorisierten bakteriologischen Laboratorien der Luftwaffe. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 474–6.—**Michael, M.**, jr. Bacteriologic laboratory in a combat area. Bull. U. S. Army M. Dep., 1946, **6**: 335–40.—**Millet, M.** Activité des laboratoires de bactériologie belges pendant la guerre 1940–1945. Arch. méd. belg., 1947, **2**: 1–21.—**Razi Maner** [The bacteriological field laboratory] Askeri sihhiye mecuasi, 1939, **68**: 73–8.—**Schreiber, W.** Das bakteriologische Feldlaboratorium. Deut. Militärarzt, 1938, **3**: 67–72.—**Wohlfeil, T., & Freytag, B.** Erfahrungen mit einem fahrbaren bakteriologischen Laboratorium zum Sofortcinsatz bei Epidemien, mit der Möglichkeit zur Durchführung von Massenuntersuchungen und für Zwecke der Seuchenforschung an Ort und Stelle. Ibid., 1942, **7**: 302–10.

—— Methods.

Delay, P. D. Contact plates and Army inspection of food plants. Army Vet. Bull., 1943, **37**: 46–52.—**Fisher, G. M.** Ispolzovanie rybnykh otkhodov v bakteriologicheskoi praktike. Voen. med. J., 1945, No. 7, 60.—**Hornbostel, W.** Die Federstrichmethode nach Lindner und ihre Anwendungsmöglichkeit in der Feldbakteriologie. Med. Zschr., Münch., 1944, **1**: 60–2.—**Lorber, L.** Bacterologiai tenyésztéses vizsgálatok egyszerű módszere, thermostat nélkül. Honvédorvos, 1951, **3**: 455.—**Unger, A.** Technik der Entnahme und Einsendung bakteriologischer Untersuchungsstoffe. Deut. Militärarzt, 1937, **2**: 290–4.

BACTERIOPHAGE.

See under **Wound,** Treatment: Bacteriophage.

BAG [and pouch]

See also such other terms in section as **Arctic service,** Medical aspects; **Blanketing; Burial pouch; Burns,** Treatment: Local remedies; **Casualty bag; Equipment; First aid.**

Development of an improved hospital corps pouch—field units. Bumed News Letter, Wash., 1944, **4**: No. 10, 21.—**Individual** (The) jungle pouch and pack. Bull. U. S. Army M. Dep., 1943, No. 69, 26.—**Khrenov, A., Korostelev, V., & Malakhov, B.** Sumki sanitarnye. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 373–6.—**Lamb, H. D.** A note on a first-aid bag for emergency use afloat. J. R. Nav. M. Serv., 1942, **28**: 64.—**Osipenko, K.** Veshchevoi meshok. In: Bolsh. med. encikl., 1928, **4**: 806.

BAIL-OUT equipment.

See **Aircrew,** Oxygen supply; **Parachute.**

BALANCING test.

See **Aviator,** Fitness test.

BALKAN.

See in Military Section under **World War I.**

BALKAN wars (1912–13)

See under **Wars and campaigns.**

BALLISTIC impact.

See also next heading.

Bierman, H. R., & Larsen, V. R. Reactions of the human to impact forces revealed by high speed motion picture technic. 10p. 27cm. Bethesda, 1946.

Forms Rep. No. 5, Res. Proj. X-630, U. S. Nav. M. Res. Inst.

Tarver, M. E., & Morales, M. F. Preliminary studies on a technique to measure the physiological effects of ballistic impact on living tissues by using 20 percent gelatin gels as an embedding medium. 21p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X-599, U. S. Nav. M. Res. Inst.

Tillett, C. W., III, Banfield, W. G., jr, & Herget, C. M. The effect of a non-perforating projectile on the animal body protected by steel armor. 33p. 27cm. Army Chem. Cent., Md, 1949.

Forms Rep. No. 228, Med. Div. Chem. Corps U. S. Army.

Masket, A. V. The measurement of forces resisting armor penetration at ballistic speeds. J. Elisha Mitchell Sc. Soc., 1949, **65**: 212.—**Preliminary** studies on a technique to measure the physiological effect of ballistic impact on living tissues by using 20 percent gelatin gels as an embedding medium. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 24.

BALLISTICS.

See also preceding heading; also other terms of Military Section as **Explosive; Injury; Projectile; Shrapnel,** etc.

Beiträge zur Ballistik und technischen Physik verfasst von Schülern des Herrn Geheimrat Professor Dr. phil. Dr Ing. E. h. Carl Cranz anlässlich seines 80. Geburtstages am 2. Januar 1938. 216p. 22½cm. Lpz., 1938.

Cranze, C. J. Lehrbuch der Ballistik [Berl., J. Springer, 1925–27] Reprint. 3v. 24cm. Ann Arb., 1943.

Vahlen, K. T. Ballistik. 2. Aufl. [Berl., W. De Gruyter & Co., 1942] Reprint. 267p. 8° Ann Arb., 1945.

Herpin, A. La physique des ondes de choc. Rev. sc., Par., 1947, **85**: 817–26.—**Logan, D. D.** Detonation of high explosive in shell and bomb, and its effects. In: War Wounds (Brit. M. J.) Lond., 1939, 214–24.—**Nancrede, C. B.** The laws of physics and ballistics; the true explanation of the lodgment and deflection of the majority of modern military small-arm projectiles; not the ricochet hypothesis. Contr. Med. Res. V. C. Vaughan Anniv., 1903, 276–9.—**Rodríguez, J. A.** La posibilidad de tiro de una boca de fuego; formas de las trayectorias. Rev. mil., B. Air., 1942, **42**: pt 1, 449–59.—**Roever, W. H.** Effects of the earth's rotation on the range and drift of a projectile. Science, 1943, **97**: 115.—**Stange, K.** Die Erfassung des Luftwiderstandes aus photogrammetrischen Aufnahmen des fliegenden Geschosses. Umschau, 1943, **47**: 164–7.—**Teneff, S.** Generalità sui proiettili e sulla loro azione. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 89–103, illust.

—— Wound ballistics.

See also **Bullet; Injury,** Blast; **Injury**—by weapons; **Wound.**

Grundfest, H. Penetration of steel spheres into bone. 16p. 28cm. Wash., 1945.

Forms Missile Casualt. Rep. No. 10, Div. M. Sc. U. S. Nat. Res. Counc.

Harvey, E. N., Butler, E. G. [et al.] The mechanism of wounding by high velocity missiles; microsecond x-ray studies. 18p. 28cm. Wash., 1945.

Forms Missile Casualt. Rep. No. 6, Div. M. Sc. U. S. Nat. Res. Counc.

McMillen, J. H., & Gregg, J. R. The energy, mass and velocity which is required of small missiles in order to produce a casualty. 26p. 28cm. Wash., 1945.

Forms Missile Casualt. Rep. No. 12, Div. M. Sc. U. S. Nat. Res. Counc.

Puckett, W. O., & McElroy, W. D. Studies on the displacement of nerves and blood vessels by the temporary cavity formed in animal tissues by the passage of high velocity missiles. 13p. 28cm. Wash., 1945.

Forms No. 14, Missile Casualties Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Black, A. N. Wounding mechanism of high-velocity missiles. Brit. M. J., 1942, **1**: 239. ——— **Burns, B. D., & Zuckerman, S.** An experimental study of the wounding mechanism of high-velocity missiles. War Med. Sympos., N. Y., 1942, 68–74.—**Callender, G. R.** Wound ballistics; mechanism of production of wounds by small arms bullets and shell fragments. War Med., Chic., 1943, **3**: 337–50.—**Cicchetti, H. E.** Algunos aspectos de balística terminal y su relación con cirugía de guerra. Rev. pub. nav., B. Air., 1949, **2**: 187–233.—**Harvey, E. N.** Studies on wound ballistics. In: Advance. Mil. Med., Bost., 1948, **1**: 191–205, 6 pl. ——— **& Butler.** Wound ballistics. Res. Program U. S. Army M. Res. Bd, 1946, July, 126–8.—**Harvey, E. N., Whiteley, A. H.** [et al.] Piezoelectric crystal measurements of pressure changes in the abdomen of deeply anaesthetized animals during passage of a high-velocity missile. Mil. Surgeon, 1946, **98**: 509–28.—**Kustanovich, S.** Ranevaia ballistika. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1017–21.—**Michael, P.** High explosive fragments; their fate in the human body. U. S. Nav. M. Bull., 1944, **42**: 269–74.—**Stonham, F. V.** Surgical ballistics. Med. J. Australia, 1946, **2**: 863–5.—**Teneff, S.** Azione dei varii proiettili

sul corpo dal punto di vista fisico. In: Chir. guerra (Uffreduzzi O.) Tor., 1940, 99–102.—**Welbourn, D. B.** Wounding mechanism of high-velocity missiles. Brit. M. J., 1942, **1**: 89.—**Wound** ballistics. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 167; 1947, July, 123; 1948, Jan., 204.

BALLOON.

See **Aerostatics; Airship.**

BALNEOTHERAPY.

See under **Therapeutics.**

BALTIC.

See under **World War I; World War II.**

BANDAGE.

See also **Dressing; Surgical technic.**

Brunner, K. Der beschränkt ruhigstellende Klebro-Verband. Deut. Militärarzt, 1940, **5**: 543–7.—**Fölsch, W.** Der Verband. In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944, 80–9.—**Kozlov, M. A.** [A cradle bandage] Voen. san. delo, 1943, No. 7, 50–4.—**Markovsky, V.** Individualnyi pereviazochnyi paket. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 905–8, pl.—**Mashtafarov, V. N.** [Economical bandages for wounds and affections of the trunk] Feldsher, Moskva, 1939, No. 4, 41–3.—**Mysh, V. M.** Tip i kharakter poviazki. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 100–14.—**Novozhilov, D. A.** [A special bandage for transport immobilization of the upper extremity] Voen. san. delo, 1943, No. 11, 73.—**Nusret Karabey** [Bandages] Askeri sihhiye mecmuasi, 1940, **69**: 138–47.—**Petrov, N. N., & Chechulin, A. S.** Poviazki. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 333–96.—**Serebriakova, S. N.** [A simplified face bandage] Voen. san. delo, 1943, 75.—**Velikorecky, A., Bronstein, J.** [et al.] Poviazki. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 651–68, illust.

BARBITURIC acid.

See under **Surgical technic,** Anesthetization.

BAROTRAUMA.

See also in this section, **Aerootitis; Altitude,** Injury.

Wilhelm, O. Les variations brusques de la pression atmosphérique comme danger et cause des accidents tympaniques et labyrinthiques chez les artilleurs, scaphandriers, militaires des sous-marins et aviateurs de l'armée nationale. p.97–155. 25½cm. Liége, 1938.

In: Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 97–155.

Undric, V. Barotravma. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 407–11.

BARRACKS.

See also **Cantonment; Housing; Mess hall; Prison; Receiving barracks; Shelter.**

Babecki, J. [A new type of military barracks in Poland] Lek. wojsk., 1928, **11**: 475–81.—**Des Cilleuls.** Recent improvements in barracks in the French Army. Bull. internat. Serv. santé, Liége, 1938, **11**: 82.—**Kempthorne, G. A.** Historical notes on barracks, Scottish Command. J. R. Army M. Corps, 1937, **69**: 24–33.—**Osipenko, K.** Baraki. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 395–400. ——— Kazarma (casa-armata) Ibid., **2**: 1091–107.—**Structural** tile barracks for the Women's Army Corps. Engin. News Rec., 1942, **129**: No. 25, 62–4.—**Zelenev, N.** Kazarmy. In: Bolsh. med. encikl., 1930, **12**: 65–75.

—— Hygiene.

See also **Bed; Bivouac; Camp.**

Prussia. Kriegsministerium. Medizinal-Abteilung. Garnisonbeschreibungen, vom Standpunkt der Gesundheitspflege aus aufgestellt. 7v. (maps) 23½cm. Berl., 1893–1903.

CONTENTS

v.1. Kassel. 1893.
v.2. Stettin. 1895.
v.3. Liegnitz. 1896.
v.4. Hannover. 1896.
v.5. Frankfurt a. O. 1899.
v.6. Potsdam. 1900.
v.7. Bremen. 1903.

United States. Medical Field Service School. Carlisle Barracks, Pa. Military preventive medicine: Housing of troops. 43p. 8° Carlisle, Pa., 1929.

Danielsen, E., & Unger, A. Untersuchungen über die Beschaffenheit der Luft in Schlafräumen von Soldaten. Veröff. Heer. San., 1938, H. 105, 112–20. Also Deut. Militärarzt, 1940, **5**: 295 (Abstr.)—**DeMont, H. G.** Insect control in standing barracks; a report on the use of D. D. T. in Jamaica, February to October, 1945. J. R. Army M. Corps, 1946, **86**: 47–54.—**Des Cilleuls, J.** Les améliorations récentes apportées à l'hygiène du casernement français. Sess. Off. internat. docum. méd. mil., 1937, 7. Sess., 11–25. Also Deut. Militärarzt, 1940, **5**: 296 (Abstr.)—**Iwabuti, C.** Etude hygiénique sur la caserne dans la région subtropicale, principalement sur le pouvoir refroidissant de l'air. Taiwan igakkai zassi, 1932, **31**: 119.—**Partitioning** of barracks; effect on morbidity rates from respiratory disease. U. S. Nav. M. Bull., 1946, **46**: 885–7.—**Passauer, E.** Hygienische Anforderungen an Kasernen. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 305–31.—**Sampaio, M.** Higiene das casernas, dos acampamentos, dos acantonamentos, bivaques e trincheiras. Rev. med. cir. Brasil, 1942, **50**: 425–35.

—— Medical aspects.

Garmany, G. Psychiatry under barracks conditions. J. R. Nav. M. Serv., 1942, **28**: 160–4.

BASE.

See also **Airbase.**

Back to the base. Bull. Army M. Dep., Lond., 1943, No. 19, 5.—**Stasov, P.** Bazy voenno-morskie. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 356–8.—**Tomlinson, P. S.** The medical problems of a base and of the L. of C. J. R. Army M. Corps, 1939, **72**: 217–23.

—— naval and submarine.

Babione, R. W. New solutions to primary sanitation problems in Naval advanced bases. Mil. Surgeon, 1947, **101**: 281–6.—**Duncan, D.** His Majesty's naval base, Singapore; its medical aspects. J. R. Nav. M. Serv., 1939, **25**: 394–411.—**Emerson, C. A.** Evacuation at a South Pacific base. Hosp. Corps Q., 1945, **18**: 26–9.—**Fowler, C. D.** Sanitation in a tropical advanced naval base. Hosp. Corps Q., 1944, **17**: No. 5, 45–51.—**Given, D. H. C.** Health organization on H. M. Naval Base, Singapore, and results; with comments on the practice of preventive medicine seen during tours in the Far East. Tr. R. Soc. Trop. M. & Hyg., 1927–28, **21**: 344–70.—**Johnson, L. W.** Medical service at remote naval bases. Mil. Surgeon 1942, **90**: 290–9.—**Kelley, K.** Neuropsychiatric experiences in advance base unit. U. S. Nav. M. Bull., 1945, **45**: 140–6.

BASE depot.

See **Depot.**

BASE hospital.

See **Hospital,** general CZ; **Hospital report,** United States: General hospitals.

BASIC training.

See under **Training.**

BASTOGNE.

See **World War II.**

BATAAN.

See **World War II.**

BATH.

See also **Swimming pool.**

Addenbrooke, E. F. Streamlined foot baths. U. S. Nav. M. Bull., 1946, **46**: 602.—**Amchislavsky, I. V.** [Construction of a simple and accessible bath house] Feldsher, Moskva, 1939, No. 3, 42–7.—**Baster, N.** M. E. S. H. bath set. J. R. Army M. Corps, 1944, **82**: 189–95.—**Bath** unit, 24 showerhead. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 53.—**Clay, H. H.** An improvisecd hot and cold spray bath for use in field. J. R. Army M. Corps, 1943, **81**: 291–4.—**Golovko** [A bathhouse at the front] Voen. san. delo, 1943, 79.—**Gordon, J. E.** Bathing ablution facilities. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 10, 6.—**Gotz. L.** [Portable, complete shower apparatus] Voen. san. delo, 1935, 44–6.—**Hutchinson, G. R.** A portable improvised shower. J. R. Army M. Corps, 1944, **82**: 195–8.—[**Improvised** wash basin and shower bath] Voj. san. glasnik, 1940, **11**: 427–9.—**Kirichinsky, A. R.** Iskusstvennye vanny tipa Ckhaltubo i ikh primenenie v patologii voennogo vremeni. Vrach. delo, 1946, **26**: 517–

22.—**Krotkov, F. G.** [A field bathhouse] Voen. san. delo, 1943, 87.—**Markowe, M.** Notes on a captured Italian mobile bath unit. J. R. Army M. Corps, 1944, **82**: 245–7.—**Mikhel'son, G.** Dushevye ustanovki. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 584–7, pl.—**Shower** bath without fixtures in a camp before the Battle of Gettysburg, 1863, after a contemporary woodcut [Illust.] Clin. Excerpts, 1943, **17**: 171.—**Turner, A. E.** An improvised shower. J. R. Army M. Corps, 1941, **77**: 274.—**Wells, F. A.** A portable bath, treatment, and operation table for field use. Mil. Surgeon, 1933, **73**: 194–6.

BATH company.

Fumigation and bath company. Bull. U. S. Army M. Dep., 1945, No. 87, 12.—**Mikhelson, G.** Polevoi bannyi otriad. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 711–3.

BATTALION aid station.

See also **Aid station; First aid.**

Kulifai, A. Zlj. eü. szakasz működése a csapatgyakorlatokon. Honvédorvos, 1950, **2**: 450–3.—**Petrov, A.** Batal'onnyi medicinskii punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 429–32.—**Vasilache, S.** Mecanismul funcţionării unui post de prim ajutor batalionar. România med., 1941, **19**: 235.

BATTALION surgeon.

See also **Medical officer.**

Biezynski, J. D. *Le médecin de bataillon en temps de guerre. 38p. 8° Par., 1939.

Carotenuto, P. La chirurgia del medico di battaglione. Forze san., Roma, 1937, **6**: 917.—**Hints** for battalion surgeons. Mil. Rev., Fort Leavenw., 1944, **24**: No. 2, 47.—**Lazzeroni, A.** La chirurgia del medico di battaglione. Forze san., Roma, 1937, **6**: 506.—**Médecin** (Le) de battaillon, 1914–18. Bruxelles méd., 1935–36, **16**: 779.—**Medical** officer to an Infantry battalion. Lancet, Lond., 1940, **2**: 606.—**Sobel, R.** Psychiatry and the battalion surgeon. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3**: 72–6. ——— The battalion surgeon as psychiatrist. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 36–44.—**Vandel, F. M.** Assistant battalion surgeons in combat. Mil. Surgeon, 1949, **105**: 20–5.

BATTLE.

See also **Combat;** for famous battles see **Wars and campaigns.**

Mercier, R. G. La batalla moderna, devoradora de hombres. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 115.—**Skadkowski.** Bitwa. Lek. wojsk., 1920, **1**: No. 29, 6–16.—**Wright, Q.** The frequency and types of battles in classic, Western, Sinic, and Chinese civilizations. In his Study of War, Chic., 1942, **1**: 591–7.

—— Effect.

See also **Disease; Injury; War neurosis; War psychosis.**

Graham, J. D. P. High blood-pressure after battle. Lancet, Lond., 1945, **1**: 239.—**Huot, L., & Voivenel, P.** Diagrama psicolójico de la batalla. Tribuna méd. (Chile) 1918, **12**: 994–8.—**Ranson, S. W.** The normal battle reaction; its relation to the pathologic battle reaction. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 3–11.

—— Medical work.

See also **Battlefield; Casualty; Combat; Evacuation; First aid; Wounded.**

Combat first aid; how to save life in battle. 100p. 16cm. Wash., 1944.

Italy. Direzione generale della sanita militare marittima. D. S.—12: Norme di pronto soccorso in combattimento. 18p. 24cm. Roma, 1940 [i. e. 1943]

Barrows, D. P. Evacuation from battle. California West. M., 1943, **59**: 129.—**Beecher, H. K.** Pain in men wounded in battle. Ann. Surg., 1946, **123**: 96–105. Also Bull. U. S. Army M. Dep., 1946, **5**: 445–54.—**Bielecki, M. G.** [Evacuation of wounded from the firing line] Lek. wojsk., 1938, **31**: 354–60.—**Cherkassky, I.** [Organization in attending wounded during battle in field hospitals] Voen. san. delo, 1937, No. 5, 8–10.—**Crowe, W. W.** The dental officer in battle. J. Am. Dent. Ass., 1944, **31**: 768–72.—**Delaney, J. F.** Importance of first aid in the field. Hosp. Corps Q., 1944, **17**: No. 5, 117.—**De Laroquette, M.** Aperçus sur le traitement des blessés dans une ambulance de première ligne. Paris méd., 1915–16, **17**: 396–402.—**Handling** the wounded in battle. N. York M. J., 1918, **108**: 1084.—**How** men of medicine work in heat of battle. Bull. Los Angeles M. Ass., 1944, **74**: 571; 612.—**Kuroki, M.** Shanghai dai issen butai ni okeru senshyō-kanzya syūryō gaikyō [The general situation in the first-line regiments in Shanghai in regard to medical care received by those wounded (in battle)] Gun idan zassi, 1938, No. 303, 787.—**Margorin, E.** [Instruction to division sanitary officers in giving first aid during battle] Voen. san. delo, 1935, 10–6.—**Morin, H. G.** La relève des blessés en première ligne (Service de santé du bataillon d'infanterie au combat) J. méd. Bordeaux, 1917, **47**: 71–6.—**Rocha, I. da.** Primeiros soccorros aos feridos na linha de frente. Brasil-med., 1918, **32**: 7.—**Serbinov, I. F.** [Plan for medical services in battle] Voen. san. delo, 1943, No. 11, 30–5.

—— naval.

Rault, C. V. Naval dental officers in battle. J. Second Distr. Dent. Soc. N. York, 1943, **29**: 183–6.—**Valeri, V.** Contributo personale sul primo trattamento delle ferite degli arti riportate in combattimento navale. Ann. med. nav., Roma, 1943, **49**: 174–81.

—— Noise.

Hoople, G. D., Wolfe, W. C., & Bregande, S. C. Unrecognized battle noise trauma. Tr. Am. Otol. Soc. (1946) 1947, **34**: 262–73.

BATTLE casualty.

See **Casualty.**

BATTLE fear.

See under **Combat.**

BATTLEFIELD.

See also **Battle;** also such terms as **Aid station; Evacuation; First aid.**

—— Medical activities.

See also **Battle,** Medical work; **Blanketing; Blood transfusion; Blood transfusion service; Evacuation,** etc.

Anagnosti, V. D. [Organization and documentation of evacuation; selection of wounded on the battlefield] Voj. san. glasnik, 1940, **11**: 473–99.—**Astafjev, A.** Uborka polei srazheniia. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 626.—**Battlefield** inquest. Bull. Army M. Dep., Lond., 1945, No. 51, 7.—**Bertein, P.** Exploration nocturne du champ de bataille. Presse méd., 1908, **16**: annexe, 745.—**Binhold.** Kurzer geschichtlicher Ueberblick über die Verwundetenfürsorge im Felde. Med. Welt, 1941, **15**: 222–4.—**Blagodatsky, N., & Barinstein, L.** [Sorting and evacuation of wounded from the battlefield] Voen. san. delo, 1936, 7–13.—**Ernst, M.** Die Beurteilung der Transportfähigkeit im Felde. In: Kriegschir. Ratgeber, Berl., 1941, 203–13.—**Fluteau.** De l'éclairage du champ de bataille. Caducée, 1905, **5**: 19–21.—**Front-line** (From) to general hospital; evacuation of casualties from fighting areas. Nurs. Mirror, Lond., 1945, **80**: 317; passim.—**Korczakowski, J.** [Elimination of blood loss by prompt evacuation of the wounded from the firing line to the hospital according to the regulations of military surgery] Lek. wojsk., 1938, **31**: 308–15.—**Lippay-Almássy, A.** [Analgesia and anesthesia on the battlefield] Orv. hetil., 1941, **85**: mellék., 45.—**Martín Barreiro.** La evacuación en el campo de batalla con relación a los modernos medios de combate. Rev. españ. med. cir. guerra, 1939, **2**: 174–92.—**Nimier, H.** Les premiers soins à donner aux blessés sur le champ de bataille. J. sc. méd. Lille, 1913, **36**: pt 1, 512–8. ——— Evacuation des blessés après une bataille. Ibid., 536–41.—**Secheyron.** Eclairage du service médical en campagne; éclairage après le combat. Arch. prov. chir., Par., 1908, **17**: 7–15.—**Sharma, A. N.** Evacuation of casualties from the front line to base hospital during war and peacetime. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, **11**. Congr., **2**: 220–4.—**Timofeevsky, P.** [Principles in transportation of the wounded from the battlefield during evacuation] Voen. san. delo, 1937, No. 6, 45–57.—**Tobold.** L'éclairage du champ de bataille dans l'armée allemande. Caducée, 1905, **5**: 19; 43.—**Tregubov, S. L.** [Immobilization on the battlefield] Sovet. med., 1940, No. 4, 8–10.—**Zalkind, I.** Rozysk ranenyh. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1164–70.—**Zoege von Manteufel.** Ueber die ärztliche Tätigkeit auf dem Schlachtfelde und in den vorderen Linien. Verh. Deut. Ges. Chir., 1906, **35**: pt 2, 495–502 [Discussion] pt 1, 17. Also Arch. klin. Chir., 1906, **80**: 711–8.—**Zolkover, A. M.** [Clearing the battlefield of wounded] Feldsher, Moskva, 1941, No. 10, 14.

—— Medical tactics.

See also **Battle,** Medical work.

Branovatchki, E. Emploi tactique des équipes chirurgicales sur le champ de bataille. Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 215–41. Also Bull. internat. Serv. santé, Liége, 1939, **12**: 567–92.—**Georgievsky, A. S.** [Medical tactics in battle] Voen. san. delo, 1943, No. 11, 36–9.—**Nikolić, F. J.** [Problems of medical tactics; first example: an attacking division] Voj. san. glasnik, 1940, **11**: 263–75, map.

—— **Sanitation.**

Koike, M. Senti eisei-zyō no syo-kunzi [Various instructions as to battlefield sanitation] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 583–600. ——— Senti eisei sisatu hōkoku [Report of tour of inspection of battlefield sanitation] Ibid., 618–38.—**Labranca, G.** Il risanamento dei campi di guerra. Minerva med., Tor., 1941, **32**: pt 1, 566 (Abstr.)

BATTLESHIP.

See also **Navy; Ship; Vessel.**

Ellis, F. P. Environmental factors influencing health and efficiency in warships. Brit. M. J., 1948, **1**: 587–92. Also Pub. Health, Lond., 1947–48, **61**: 104–7.—**Grey, C. G.** Warships. In: Science Looks Ahead (Low, A. M.) Lond., 1942, 192–202.—**Lagovsky, N.** Lineinyi korabl. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 537–42.—**Shplet, A. G.** Kratkoe opisanie eskadrennago bronenosca Cesarevich. Protok. zasied. obsh. morsk. vrach. Kronstadt, 1903–04, **41**: No. 2, 41–6.—USS North Carolina (BB55) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. B, 2.

—— **Medical problems.**

See also in this section, **Medical department** (of ship)

Hinkle, L. E., jr. Neuropsychiatric problems on a battleship. U. S. Nav. M. Bull., 1946, **46**: 1813–22.

—— **Sanitation.**

Andreev, V. [Sanitary technique on warships] Voen. sandelo, 1937, No. 1, 22.—**Bellile.** De l'inutilité de la patente de santé pour les navires de guerre. Marseille méd., 1926, **63**: 701–7.—**Lundberg, V. L.** [Hygiene on war vessels] Tskr. mil. hälsov., 1927, **52**: 1–15, 3 diag.—**Massani, M.** Contributo allo studio della ventilazione e del microclima delle navi da guerra. Ann. med. nav., Roma, 1938, **44**: 407; 1939, **45**: 5. Also Deut. Militärarzt, 1940, **5**: 295 (Abstr.)—**Morev, V.** [Study of the sanitary and hygienic conditions of the living quarters on warships and cruisers] Voen. san dielo, 1937, No. 1, 24–9.—**Richards, T. W.** Battleship ventilation: use of barracks during overhaul period. U. S. Nav. M. Bull., 1915, **9**: 345–7.—**Stevka, A.** Contemporary conditions in air supply in battleships. Voj. san. glasnik, 1936, **7**: 61–89.—**Stutz, L.** Auf Ueberwasserschiffen. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 440–2.—**Sugioka, N.** On the estimation of air ion in the warships and the influence of anion on the fatigue of the crew. Bull. Nav. M. Ass., Tokyo, 1936, **25**: No. 5, 1.

BAYONET.

See under **Wound**—by weapons: Bayonet.

BAZOOKA.

See with **Rocket launcher.**

BEACHY Head (1690)

See under **Wars and campaigns.**

BEAM approach.

See under **Blind flying.**

BED [and bedding]

Howell, R. P., & Benton, G. R., jr. The universal shock block. Mil. Surgeon, 1943, **93**: 312.—**Linthicum, E. S.** Double bunking the Army. Ibid., 279.—**Schuessler, C. F.** Development of a lightweight ward bed. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 41. ——— Development of a lightweight adjustable bed. Ibid., 42.

BEDCLOTHES.

Development of a method for oil treatment of bedclothes. Rep. Com. Airborne Infect. U. S. Army, 1944, 4.—**Development** of triton oil emulsion for oil treatment of bedclothes. Ibid., 1945, 3.—**Effect** of control measures; oiling bedclothes and floors. Ibid., 5–9.

BEDPAN.

See under **Hospital construction,** Equipment.

BEHNKE step-up test.

See **Aviator,** Fitness tests.

BELGIUM.

References to this country are to be found under the following headings of the Military Section: **Dental service; Medical corps; Medical department; Medical examination; Medical organization; Medical service; Morbidity; Pharmaceutical service; Pharmacy; Tuberculosis; Venereal diseases; World War I; World War II.**

BELT.

See also **Acceleration,** Protection; **Clothing,** Air Force; **Harness.**

Andrus, E. C., Day, E. [et al.] Studies on the effects of abdominal pressure belts upon the flow and distribution of blood. 55p. 28cm. Wash., 1941.

Forms Rep. No. 21, Com. Aviat. M. U. S. Nat. Res. Counc.

Jennings, B. E. Treatment of regulation Navy webbing belts to preserve marks of identification. 7p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. NM 012 006, U. S. Nav. M. Res. Inst.

Kaufmann, W. Beschwerden beim Tragen des Koppels. Gastroenterologia, Basel, 1942, **67**: 85 (Abstr.)

BENDS.

See under **Altitude,** Aeroembolism.

BENGAL.

See **World War II.**

BERGER single pressure suit.

See **Acceleration,** Protection: Clothing; **Clothing,** Air Force.

BERIBERI.

See under **Disease.**

BERMUDA.

See under **World War II.**

BERRIDGE apparatus.

See under **Ambulance,** Equipment.

BÉVEZIERS (1690)

See under **Wars and campaigns.**

BIAK Island.

See under **World War II.**

BIKINI test.

See **Atomic bomb,** Tests.

BIOGRAPHY.

See also **Military surgeon.**

Beaumont, W. Wm Beaumont's formative years; two early notebooks, 1811–1821; with annotations and an introductory essay by Genevieve Miller. 87p. 24cm. N. Y., 1946.

Blaessinger, E. Quelques grandes figures de la chirurgie et de la médccine militaires. 423p. 23½cm. Par., 1947.

——— Quelques grandes figures de la pharmacie militaire. 387p. 23½cm. Par., 1948.

Mooney, B. More than armies; the story of Edward H. Cary, M. D. 275p. 22½cm. Dallas, 1948.

Allemann, A. Noted surgeons of the United States Army and Navy. In: Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **1**: p. xxxviii.—**Blaessinger, E.** Bibliographie. In his Quelq. grand. fig. pharm. mil., Par., 1948, 44.—**Hirsh, J.** Biographies in retrospect. Mil. Surgeon, 1940, **86**: 487–94.—**Jones, H. W.** Biographies of medical officers of the Government services. Army M. Bull., 1941, No. 57, 101–3. Also Mil. Surgeon, 1941, **88**: 557–9.—**Visnyevszkij, A. V.** A chirurgija c. folyóirat szerkesztőbizottságanak megemlékezése. Honvédorvos, 1950, **2**: 108.

BIOLOGICAL warfare.

See also **Bacteriological warfare.**

United States. Department of the Army. Bureau of Public Relations. Biological warfare. 8 l. 27cm. Wash., 1946.

United States. Navy Department. Navy studied biological warfare at University of California. 3 l. 27cm. Wash., 1946.

Biologic warfare. J. Am. M. Ass., 1946, **130**: 349.—**Biological** warfare. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 5, 5.—**Bordereau.** La guerre biologique. Strasbourg méd., 1948, **108**: 380–9.—**Dekking, F.** De biologische oorlog. Ned. tschr. geneesk., 1947, **91**: 3712–5.—**Earliest** recorded instance of the use of biological warfare. U. S. Nav. M. Bull., 1946, **46**: 1731.—**Fischer, M.** Soliloquy on a dead fish. Ohio M. J., 1949, **45**: 715–20.—**Fontes Peixoto, G. J.** A guerra microbiana. Rev. med. mil., Rio, 1940, **29**: 511–30.—**Karakašević, B.** O biološkom ratu. Voj. san. pregl., Beogr., 1948, **5**: 438–45.—**Kelser, R. A.** Biological warfare considerations which may be of interest to veterinarians. Vet. Extens. Q., Phila., 1949, 50–9.—**Merck, G. W.** Official report on biological warfare. Bull. Atomic Scientists, 1946, **2**: No. 7, 16. ——— Biological warfare. Mil. Surgeon, 1946, **98**: 237–42. ——— **Fred, E. B.** [et al.] Implications of biological warfare. Pub. U. S. Dep. State, 1946–47, No. 2661, 65–71.—**Van Roojen, J.** The biological implications of radioactive warfare. S. Afr. M. J., 1946, **20**: 772–9.

—— Defense.

Rosebury, T. Peace or pestilence; biological warfare and how to avoid it. 218p. 21cm. N. Y., 1949.

Bibliogr.: p. 199–210.

Cox, W. C. [Panama Canal Department antibiological warfare] In: Prev. Med. in World War II, Wash., 1948, **11**: 60.—**Witebsky, E.** Our responsibilities in the prevention of biologic warfare. Proc. N. York Ass. Pub. Health Lab., 1946, **26**: 55–7.

—— Possibility.

Biological warfare potentialities. Med. Bull. U. S. First Army, 1949, **4**: No. 10, 14–7. Also Month. Health Rep. Mil. Distr. Washington, 1949, **2**: No. 8, 13.—**Kazeeff, W. N.** La guerre microbienne est-elle possible? Nature, Par., 1939–40, **67**: pt 2, 225–8. Also transl., Minerva (Riv.) 1940, **50**: 241.—**Nájera, L.** La guerra parasitológica, recurso de las naciones débiles: sus posibilidades futuras. Rev. med. trop. parasit., Habana, 1946, **12**: 44–56.—**Possibilities** (The) of biological warfare. Pharm. J., Lond., 1946, **102**: 22.

—— Research.

Merck, G. W. Peacetime implications of biological warfare. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1946, **7**: 304–10. Also Merck Rep., 1946, **55**: No. 3, 11–4. ——— Peacetime benefits from biological warfare research studies. J. Am. Vet. M. Ass., 1947, **110**: 213–6.

BIOLOGIST.

See also sect. heads **Bacteriologist; Manpower.**

Biologists in war-time. Nature, Lond., 1942, **149**: 227–9.—**Bronk, D. W.** Re-employment of biologists now in the Army Air Forces. Science, 1945, **102**: 335.—**Martin, H.** War problems and post-war responsibilities of the Association of Applied Biologists. Ann. Appl. Biol., Lond., 1943, **30**: 109–16.—**Nicholas, J. S.** The war problem of manpower in biology and agriculture. Am. Scientist, 1942, **30**: 294–8.—**Thimann, K. V.** The role of biologists in warfare. Bull. Atomic Scientists, 1947, **3**: 211.

BIOLOGY.

Chambers, R. Post-war biology rehabilitation. Science, 1944, **100**: 449. ——— Rehabilitation of the biological sciences in the post-war period. Am. Natur., 1945, **79**: 44–51.—**Gashchenkov, I. I.** [Biology at the service of defense] Bull. Acad. sc. URSS, sér. biol., 1942, No. 3, 167–72.—**Griggs, R. F.** Biology and agriculture in the postwar world. Science, 1945, **101**: 235–9.—**Hawkins, J. E.**, jr. Biology and medicine in the war. Ibid., 1942, **95**: 507.—**Kerr, J. G.** Biology and war. Nature, Lond., 1942, **149**: 221.—**Russell, E. J.** The function of applied biology in war time. Ann. Appl. Biol., Lond., 1941, **28**: 170–7.—**Tang, P. S.** Biology in war-time China. Nature, Lond., 1944, **154**: 43–6.

—— Institutes.

Centro de estudos do Instituto Militar de Biologia. Brasil med., 1942, **56**: 293.—**Santos, J. F. dos.** Histórico e evolução do Instituto Militar de Biología. Arq. Inst. mil. biol., Rio, 1941, **2**: 19–24. ——— Relatório das activades do Instituto Militar de Biologia em 1941. Ibid., 1942, **3**: 90–102. ——— A preparação de sôros; padrões no Instituto Militar de Biologia. Ibid., 1943, **4**: 65–9, illust.

BIOLOGY War Committee.

Biology (The) War Committee. Nature, Lond., 1942, **149**: 234; 1944, **154**: 693.

BIRTH rate.

See **Manpower; War, Effect.**

BIVOUAC.

See also **Camp.**

Roéland, C. Sur l'organisation des bivouacs. Rev. path. comp., Par., 1917, **17**: 254–7.—**Saona, A.**—Instalación e higiene de los acantonamientos y bivacs. Rev. san. mil., Lima, 1936, **9**: 97–107.

BLACKOUT.

See also **Air defense; Air raid.**

United States. Office of Civilian Defense. Blackouts. 60p. 26½cm. Wash., 1941.

Bear, W. P. Commercial and industrial blackouts on the Pacific Coast. Illum. Engin., Balt., 1942, **37**: 818–21.—**Blackout.** Med. Off., Lond., 1940, **63**: 195. Also Med. Press & Circ., Lond., 1941, **206**: 275.—**Brown, R. B.**, jr. Eastern commercial and industrial blackouts. Illum. Engin., Balt., 1942, **37**: 822–5.—**Hibben, S. G., & Reid, K. M.** Comments on blackouts. Ibid., 210–6.—**Roxann.** Blackout. R. N., Rutherford, 1942–43, **6**: No. 3, 24.—**Verdunklung.** In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 272–83.

—— Accidents and hazards.

Alcohol and black-out road accidents. Med. Leg. Crim. Rev., Lond., 1940, **8**: 269–71.—**Arnold, H. L.**, jr. The blackout and health. Hawaii M. J., 1941–42, **1**: 374.—**Buchan, G. F., Charles, J. A.** [et al.] Health aspects of the A. R. P. black-out. Med. Off., Lond., 1940, **63**: 175, 183, 191.—**Deaths** from road accidents doubled by the black out [Great Britain] J. Am. M. Ass., 1939, **113**: 1975.—**Eccles, W. McA.** Drink and black-out accidents. Brit. M. J., 1940, **1**: 359.—**Fatal** accidents in the black out. Illum. Engin., Balt., 1942, **37**: 673, diagr.—**Hill, L.** Health aspects of A. R. P. black-out. Med. Off., Lond., 1940, **64**: 6.—**Neal, H. K.** Check your blackout hazards! Red Cross Courier, 1942, **21**: No. 10, 11.—**Stafford, J.** Emergency action in case of injury in blackout, war traffic or raid, here are rules of first aid for life saving. Science News Lett., 1942, **41**: 55.—**Traffic** accidents increased by the blackout [Great Britain] J. Am. M. Ass., 1939, **113**: 2251.

—— Dimout.

Breeding, H. A. Observations of night sky brightness and lume with special reference to coastal dimout requirements. Illum. Engin., Balt., 1942, **37**: 830–4.—**Clum, H. G.** Discussion of coastal lighting dimout. Ibid., 826–9.—**Hibben, S. G.** Experiences with the dimout. Ibid., 1943, **38**: 251–63.—**Parker, M.** Some comments on the dimout. Ibid., 1942, **37**: 866–8.

—— Engineering.

Berry, D. S. Engineering for blackouts. Pub. Safety, Chic., 1942, **22**: 12.—**Black-out** and ventilation; war-time problems to be solved. Brit. M. J., 1940, **1**: 360.—**Bonnard, A.** Black-out and ventilation. Ibid., 506.—**Kuhl & Zimmermann.** Natürliche und künstliche Lüftung des verdunkelten Betriebes. Arbeitsschutz, 1940, 72–7.—**Prahl.** Besondere Massnahmen der Betriebsführung bei der Verdunklung. Ibid., 80–2.—**Stewart, C. W.**, jr. Blackouts. Mil. Engineer, 1941, **33**: 177–81.—**Weitz, C. E.** Blackout engineering. Illum. Engin., Balt., 1942, **37**: 666–71.—**Wietfeldt.** Ueber die Verdunklung in gewerblichen Betrieben. Arbeitsschutz, 1940, 5–9.

—— Hospital.

Hospital (A) blackout. Hospitals, 1942, **16**: No. 8, 99.—**Leshley, I.** Keeping fit in the black-out. Nurs. Times, Lond., 1939, **35**: 1349; 1374; et passim.—**New** black-out system for hospitals; darkness without curtains. Med. Times, Lond., 1939, **67**: 160.—**Some** blackout experiences. Hospitals, 1942, **16**: No. 3, 32.—**Vaniushkin, N. Z.** Opyt svetomaskirovki gospitalei. Voen. san. delo, 1940, No. 5, 98–100.

—— Legal aspect.

Lehmann. Aenderung der Verdunklungsverordnung. Münch. med. Wschr., 1940, **87**: 1343.—**Leibbrand, W.** Wirkungsbereich der Dunkelheit. Med. Klin., Berl., 1940, **36**: 46–8.—**Neon** sign case; relief refused by tribunal. Australas. J. Pharm., 1942, **23**: 641.—**Riessen, J. H. van** [Regulations for darkening in air-raids] Mil. spectator, Gravenh., 1936, **105**: 301–7.—**Schläger.** Wer ist bei Verdunkelung für Unfälle haftbar? Zschr. ärztl. Fortbild., 1939, **36**: 756.

—— Lighting.

Adler-Herzmark, J. Lighting, ventilation and safety in factories during blackout. Indust. M., 1942, **11**: 76–8.—**Deep** red light better than blue in blackouts. J. Am. M. Ass., 1942, **118**: 541.—**Eddy, G. A.** Blackout of street lighting. Engin. News Rec., 1942, **128**: 87; 791.—**Everett, W. S.** Lighting control objectives of the War Department. Illum. Engin., Balt., 1942, **37**: 862–5. —— & **Reid, K. M.** Visual aids to traffic movement under blackouts. Ibid., 1941, **36**: 1184–1204.—**Ferree, C. E., & Rand, G.** Color and composition of light in relation to the blackout. J. Aviat. M., 1942, **13**: 193–200.—**Illuminated** signs during black-out hours. Brit. Dent. J., 1940, **69**: 39.—**Köhler.** Beleuchtung der Arbeit; Beleuchtung und Luftschutz. Arbeitsschutz, 1940, 67.—**Lighting** in factories and ventilation during the black-out. J. R. Army M. Corps. 1940, **75**: 378–82.—**Luckiesh, M.** Blue light undesirable for blackouts. Illum. Engin., Balt., 1942, **37**: 113.—**Mead, H. C.** Motor vehicle blackout lighting. Ibid., 839–43.—**Pearson, H. J. C.** Airport lighting under blackout conditions. Ibid., 846–8.—**Reid, K. M.** Blackout and dimout of street lighting and traffic signals. Ibid., 849–56.—**Roper, V. J.** Motor vehicle blackout lighting. Ibid., 835–8.—**Schauberger.** Verdunklungserleichterungen für Kraftfahrzeuge. Gasschutz & Luftschutz, 1941, **11**: 255–7.—**Wank, R. A., & Wakefield, E. H.** Blackout lighting using the principle of mutual exclusion by color. Illum. Engin., Balt., 1943, **38**: 41–4.—**Wartime** street lighting. Brit. M. J., 1941, **1**: 635.—**War-time** street lighting and aids to movement in street. Brit. J. Ophth., 1941, **25**: 125–30.

—— Medical aspect.

Blackout traffic regulations; emergency permits for physicians in Los Angeles County. Bull. Los Angeles Co. M. Ass., 1942, **72**: 209.—**Fishbein, M.** Emergency permit for physicians during blackout. Bull. Chicago M. Soc., 1942–43, **45**: 65.—**Weaver, J. D.** Report from Los Angeles; blackouts symbolize the impending changes which total war brings to medical practice. Med. Econom., 1941–42, **19**: No. 4, 59–61.

—— Optical problems.

Barbrow, L. E., Bock, J. E. [et al.] Equipment and procedure for photometric measurements of blackout and dimout luminaires. Illum. Engin., Balt., 1943, **38**: 509–17.—**Isakov, L.** [Black-out problems viewed from the standpoint of physiological optics] Priroda, Leningrad, 1943, **32**: No. 2, 58–60.

—— Psychological effect.

Achard, C. Tous feux éteints; scènes de la vie obscure. Presse méd., 1939, **47**: 1621–3.—**Schultz, J. H.** Seelische Reaktionen auf die Verdunklung. Deut. med. Wschr., 1940, **66**: 564–7.—**Solomon, J. C.** Reactions of children to blackouts; a preliminary note. Am. J. Orthopsychiat., 1942, **12**: 361.

—— Safety [incl. identification]

Bakeman, C. T. Traffic signals during blackouts. Illum. Engin., Balt., 1942, **37**: 857–61.—**Blackout.** Pub. Safety, Chic., 1942, **21**: 6.—**Blackout** drill at Canandaigua, N. Y. Med. Bull. Veterans Admin., 1941–42, **18**: 340.—**Blackout** regulations. Mod. Hosp., 1942, 58: No. 2, insert, 9.—**Identification** of vehicles in blackout. J. Am. M. Ass., 1943, **121**: 1226.—**Kremer.** Grundsätzliche Forderungen des Arbeitsschutzes bei der Verdunklung. Arbeitsschutz, 1940, 62.—**Pennant** to identify vehicles in blackout. N. England J. M. 1943, **228**: 592.—**Rittgers, V. A.** Before the blackout. Pub. Safety, Chic., 1941, **19**: No. 5, 26.—**Schneider, O.** Besonderc Aufgaben der Unfallverhütung bei der Verdunklung. Arbeitsschutz, 1940, 77–80.

—— Technic.

Baehr, G. Blackout. Hosp. Progr., 1942, **23**: 25.—**Clough, H. D.** Get down to brass tacks to develop successful blackout. Hosp. Management, 1942, **53**: 21.—**Commery, E. W., McKinlay, H. G., & Webber, M. E.** Residence blackout methods and materials. Illum. Engin., Balt., 1942, **37**: 491–518.—**Fb.** Ueber die Verdunkelung durch geeignete Filterung des Lichts. Umschau, 1941, **45**: 77.—**Khocianov, L. K.** [Blackout devices in industrial buildings] Hig. & zdorov., 1942, 7: No. 5, 18–29.—**Making** automatic blackouts. Chem. Leaflet, 1941–42, **15**: No. 6, 110.—**Paul, H.** Black-out of casement windows. Med. Off., Lond., 1940, **64**: 6.—**Satō, K.** Karo wo yū-suru kōzyō no zyōkyō tyōsa; tōka kansei ni tomonau kanki taisaku kenkyū [Investigations on a factory with furnaces from the standpoint of environmental hygiene; the problem of ventilation during black-outs] Kosei kagaku, 1940–41, **1**: 548–55.

—— Visibility.

Brandenburg, K. Verdunklung. Med. Klin., Berl., 1940, **36**: 14.—**Fritsche, H.** Zur Biologie der Verdunklung. Ibid., 15.—**Holmes, W. J.** Seeing in the blackout. Hawaii M. J., 1941–42, **1**: 375.—**Infra-red** (The) camera covers a blackout. Red Cross Courier, 1941–42, **21**: No. 8, 7.—**Müller, H. K.** Augenarzt und Verdunklung. Deut. med. Wschr., 1940, **66**: 567–9.

BLACKOUT of pilot.

See also **Acceleration,** Blackout; **Blackout suit.**

Clark, W. G., & Jorgenson, H. Studies of self-protective anti-blackout maneuvers. 10p. 28cm. Wash., 1945.

Forms Rep. No. 488, Com. Aviat. M. U. S. Nat. Res. Counc.

Graybiel, A., Patterson, J. L., jr., & Packard, J. M. Sunburn as a cause of temporary lowering of blackout threshold in flyers. 9 l. 27cm. Pensacola, 1948.

Forms Res. Proj. NM–001–019, U. S. Naval School Aviat. M. Also J. Aviat. M., 1948, **19**: 270–5, &c.

Ham, G. C., & Hortenstine, J. C. Objective determination of circulatory changes preceding, during and following greying, blackout and syncope on the tilt-table. 6 l. 28cm. Wash., 1942.

Forms Rep. No. 54, Com. Aviat. M. U. S. Nat. Res. Counc.

Baldes, E. J., Code, C. F. [et al.] Human centrifuge and studies of black-out. J. Physiol., Lond., 1945–46, **104**: Proc., 39.—**Clark, W. G., & Christy, R. L.** Use of the human centrifuge in the indoctrination of a Navy fighter squadron in the use of antiblackout equipment. J. Aviat. M., 1946, **17**: 394–8.—**Gómez Gómez, L. A.** Aceleración y desaceleración en aviación, y su influencia en el organismo humano. Med. cir., Bogotá, 1945, **10**: 1–19.—**Lambert, E. H., & Wood, E. H.** The problem of blackout and unconsciousness in aviators. Med. Clin. N. America, 1946, **30**: 833–44. Also transl., Med. deporte, B. Air., 1948, **12**: 1315–22, &c.—**Neustater, W. L.** What is a black-out? a study of fifty cases. J. R. Army M. Corps, 1945, **85**: 139–42.—**Stewart, W. K.** Some observations on the effect of centrifugal force in man. J. Neur. Psychiat., Lond., 1945, **8**: 24–33.—**Wood, E. H., Lambert, E. H., & Code, C. F.** Do permanent effects result from repeated blackouts caused by positive acceleration? J. Aviat. M., 1947, **18**: 471–82.—**Young, M. W.** Anatomical factors involved in the blacking out phenemenon. Anat. Rec., 1946, **94**: 531.

BLACKOUT suit.

See also **Acceleration,** Blackout; **Blackout of pilot.**

Lambert, E. H. Comparison of the protective value of an anti-blackout suit on subjects in an A–24 airplane and on the Mayo centrifuge. 9p. 28cm. Wash., 1945.

Forms No. 487, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— Wood, E. H., & Baldes, E. J. The protection against the effects of acceleration afforded by pulling against a weighted control stick and the influence of this on the effectiveness of pneumatic anti-blackout suits. 13p. 28cm. Wash., 1944.

Forms Rep. No. 265, Com. Aviat. M. U. S. Nat. Res. Counc.

Lamport, H., Clark, W. G., & Herrington, L. P. The comfort and acceleration protection on the centrifuge of the L–12 pneumatic lever anti-blackout suit. 5, 4p. 28cm. Wash., 1945.

Forms No. 483, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Terry, C. W. Flight tests of anti-blackout equipment. 12p. 28cm. Wash., 1945.

Forms Rep. No. 441, Com. Aviat. M. U. S. Nat. Res. Counc.

Cotton, F. S. An aerodynamic suit for the protection of pilots against black-out. Austral. J. Sc., 1945, **7**: 161–6.

BLADDER injury.

See under **Injury**—by organs.

BLANKET.

Miller, B. H., & Spangler, H. J. Field testing of paper blanket, Sterner, fire resistant. 8p. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X–617, U. S. Nav. M. Field Res. Laborat.

Bayley, C. H., & Weatherburn, A. S. The application of oil to hospital blankets; commercial trial at sanitary laundry, Ottawa. Proc. Com. Army M. Res. [Canada] 1946, 9. meet., C.6252, 1–13. —— Method of analysis of treated blankets for oil and fatty acid content. Ibid., C.6252, 13. —— The application of oil to hospital blankets; physiological examination. Ibid., C.6253 [1–5] —— & **Rose, G. R. F.** The application of oil to hospital blankets; control of the fatty acid content of oiled blankets. Ibid., C.6251, 1–10, ch. —— The

application of dust-laying oil to cotton. Ibid., C.6254, 1–10.—**Rountree, P. M.** The treatment of hospital blankets with oil emulsions and the bactericidal action of fixanol C (cetyl pyridinium bromide) Med. J. Australia, 1946, 1: 539–44.—**Stallworthy, W. B., & James, A. P.** Patch test on oiled army blankets. Proc. Com. Army M. Res. [Canada] 1946, 9. meet., C.6253 [3] ——— Patch tests on concentrated emulsions for oiling of blankets. Ibid., C.6253 [5]—**United States** ambulances for wounded airmen; electrically heated blankets. J. Am. M. Ass., 1942, 118: 314.

BLANKETING (medical)

See also **Casualty.**

British (Wanstead) method of blanketing casualties mentioned in Circular, Medical Series No. 20, U. S. Office of Civilian Defense. Q. Rev., Wash., 1943, June, 7.—**Use** of blankets for casualties. Bull. Army M. Dep., Lond., 1942, No. 17, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 5.

BLAST.

See **Explosion; Injury,** blast.

BLEEDING.

See under **Surgical technic;** Hemostasis; **Hemorrhage.**

BLIND [incl. blindness]

See also other headings of Military Section such as **Disabled; Eye,** Disease; **Eye injury; Prisoner of war,** Disease; also under **World War I; World War II.**

CLUNK, J. F. Open letter to my newly blinded friend in the Armed Forces. 36p. 23cm. Wash., 1945.

MACMURTRIE, D. C., & GOURVICH, A. Abstract-catalogue of literature on the war blinded. 82p. 28cm. Balt., 1919.

Forms No. 5, ser. 1, Pub. Red Cross Inst. Blind.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–186: Procedures governing procurement, issuance, and repair of equipment for blinded beneficiaries. 11p. 27cm. Wash., 1949.

Baker, E. A. Canadian war-blinded. Outlook for Blind, 1942, **36:** 281–5.—**Dannheim, H.** Blinde basteln. Schr. ärztl. Sonderfürs., 1944, H. 5, 37–45, 10 pl.—**Ehlers, H.** Blindhedsaarsager i Danmark med omtale af noble krigsblinde. Nord. med., 1947, **34:** 1427–9.—**Finegan, J. F.** Nontraumatic blindness. U. S. Nav. M. Bull., 1946, Suppl., 263–7.—**Gurd, D. P.** Blindness following upon haematemesis. J. R. Nav. M. Serv., 1949, **35:** 219.—**Hallett, J. W.** Unexplained amblyopia as a military problem. Mil. Surgeon, 1946, **99:** 110–6.—**Hazelton, A. R.** The nature of starvation amblyopia. J. R. Army M. Corps, 1946, **86:** 171–8.—**Kovalenko, B. I.** Meropriiatiia po pomoshchi voennooslepshim. San. sluzhba, Sverdlovsk, 1946, No. 6, 167–71.—**Lehners.** War blindness. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 25–7.—**Liberfarb, A. S.** O soputstvuiushchei nespecificheskoi terapii voennooslepshih. Voen. med. J., Moskva, 1946, No. 9, 14–6.—**National** institute's call for helpers; register opened. Brit. J. Nurs., 1940, **88:** 43.—**Pokrovsky, A. I.** Opyt lecheniia voennoi slepoty. Vest. oft., 1947, **26:** No. 5, 23–7.—**Szily, A.** Kriegserblindungen. In his Atlas d. Kriegsaugenh., Stuttg., 1917, 2. Lfg, 295–317, illust., pl.

—— Employment.

BALTIMORE, MD. RED CROSS INSTITUTE FOR THE BLIND. Publications. Ser. 1, No. 3: The relation of industry to employment provision for the war blind. 11p. 28cm. Balt., 1918.

Forms supplement to Outlook for Blind, 1918, **12:** No. 4.

Gandina, O. I., & Dzhalalova, V. S. Opyt raboty s voennooslepshimi. San. sluzhba, Sverdlovsk, 1946, No. 6, 172–9.—**Hathaway, W.** Research for the partially seeing. J. Except. Child., 1945–46, **12:** 199–201.—**Kovar, K.** Erblindete Soldaten treiben Sport. Schr. ärztl. Sonderfürs., 1944, H. 5, 30–7, 4 pl.—**Strehl, C.** Voraussetzungen und Hilfen zum Studium erblindeter Soldaten und ihre Berufsmöglichkeiten. Ibid., No. 7, 22–52, 2 pl.—**Vasiutinsky, A. G.** Trudoustroistvo slepykh invalidov Otechestvennoi voiny. Vrach. delo, 1946, **26:** 530–4.—**Work** for the war-blinded. Brit. M. J., 1940, **2:** 497.

—— Prevention.

Cruise, R. Preventable blindness in war. Tr. Ophth. Soc. U. K. (1944) 1945, **64:** 165–78.—**War** blindness and its prevention. Med. J. Australia, 1940, **2:** 91.

—— Psychology.

Baker, W. E. The psychology of the newly blinded. Occup. Ther. Rehabil., 1943, **22:** 9–15.—**Diamond, B. L., & Ross, A.** Emotional adjustment of newly blinded soldiers. Am. J. Psychiat., 1945–46, **102:** 367–71.—**Harrowes, W. M.** Psychological reactions in war-blinded. Brit. M. J., 1946, **2:** 129.—**Social** Adjustment of the war-blinded. Bull. U. S. Army M. Dep., 1944, No. 78, 8.—**Wittkower, E., & Davenport, R. C.** The war-blinded; their emotional, social and occupational situation. Psychosomat. M., 1946, **8:** 121–37.

—— Rehabilitation.

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE. Guide for those giving rehabilitation service to the blind. 28p. 21½cm. Wash., 1945.

American Association of Workers for the Blind. Committee on War-Blind meets. Outlook for Blind, 1942, **36:** 215–7.—**American** blinded soldiers to be cared for in St. Dunstan's. J. Am. M. Ass., 1943, **121:** 613; 1172.—**Barton, W. E.** Rehabilitation services to the blind and deaf. Ibid., **123:** 41.—**Beam, A. D.** The Navy's program for the rehabilitation of blinded personnel. Outlook for Blind, 1945, **39:** 154–8. ——— Rehabilitation of the blinded; traumatic blindness. U. S. Nav. M. Bull., 1946, Suppl., 253–62.—**Bogorad, S. I.** Opyt obucheniia voennooslepshikh orientirovke v prostranstve. San. sluzhba, Sverdlovsk, 1946, No. 6, 180–5.—**Brüll, H.** Ausbildung erblindeter Soldaten an Führhunden. Schr. ärztl. Sonderfürs. Schwerverwund., 1943, No. 3, 1–16, 5 pl.—**Converse, E. C.** Outside orientation and physical reconditioning. U. S. Nav. M. Bull., 1946, Suppl., 303–14.—**Cutler, N. L.** The first year of the blind rehabilitation program at Dibble General Hospital. Outlook for Blind, 1946, **40:** 31–3.—**Davenport, R. C.** Rehabilitation in non-recoverable eye cases. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 622–6.—**Frampton, M. E.** Rehabilitation of the war blinded. Arch. Ophth., Chic., 1944, **32:** 433.—**Gerry, R. G., & Koch, F. C.** X-ray darkroom training as an adjunct to the rehabilitation of the blind. U. S. Nav. M. Bull., 1946, **46:** 1382–7.—**Greear, J. N.,** jr. Rehabilitation of the war-blinded soldiers. Outlook for Blind, 1944, **38:** 121–4. Also Tr. Am. Acad. Ophth. Otolar., 1944–45, **49:** 59–62. Also Outlook for Blind, 1946, **40:** 271–8. Also Mil. Surgeon, 1947, **100:** 150–6.—**Griffis, E.** When the blind soldier goes home. Outlook for Blind, 1944, **38:** 74–6.—**Harris, D. B.** Educational and vocational counseling. U. S. Nav. M. Bull., 1946, Suppl., 315–21.—**Hillman, C. C.** The Army rehabilitation program for the blind and the deafened. J. Am. M. Ass., 1944, **125:** 321–3.—**Ivimey, A.** Training sightless veterans for precision work. Personnel J., 1946–47, **25:** 358–61.—**Jameson, W. A.,** jr. Old Farms Convalescent Hospital, where blinded soldiers come back. Outlook for Blind, 1944, **38:** 271–5. ——— Rehabilitation of the war-blinded. Am. J. Ophth., 1945, **28:** 551–3.—**Koch, F. C.** Occupational therapy. U. S. Nav. M. Bull., 1946, Suppl., 295–302.—**Krailsheimer, N.** Ueber Kriegsblindenfürsorge. In: Verwendungsmögl. d. Kriegsbeschäd. (Krais, F.) Stuttg., 1916, 71–7.—**Kugler, M. E.** Re-education of the newly blinded. U. S. Nav. M. Bull., 1946, Suppl., 279–94.—**Mackenzie, C.** St. Dunstan's story in India. Outlook for Blind, 1944, **38:** 43. ——— Training the British Empire's war-blinded in India. Ibid., 1946, **40:** 80–3.—**Moore, M.** Volunteer service. Ibid., 1940, **34:** 61.—**Pokhlebaev, V. J.** Rabota sredi voennooslepshikh v N-skom hospitale. Hospit. delo, 1946, No. 6, 3–6.—**Rehabilitation** of the blind. Bull. U. S. Army M. Dep., 1944, No. 76, 27–30.—**Randolph, M. E.** Rehabilitation of the blind. Proc. Mil. Ophth. Meet., 1945, 49–52.—**Rehabilitation** of the blind in Army hospitals. Outlook for Blind, 1943, **37:** 191–5.—**Rehabilitation** of the blind and deaf in Army hospitals. Bull. U. S. Army M. Dep., 1943, No. 69, 15.—**Rehabilitation** of the blind and hard of hearing in Army hospitals. J. Am. M. Ass., 1943, **123:** 491.—**Rehabilitation** center for blind. Ibid., 1944, **125:** 853.—**Reynolds, G. R.** Veterans Administration training of blinded veterans in Indiana. Outlook for Blind, 1949, **43:** 7–11.—**Rodigina, A. M.** [Principles of treatment of war blindness] Vest. oft., 1944, **23:** No. 3, 4–8.—**Salmon, P. J.** U. S. Committee on the War Blind. Outlook for Blind, 1943, **37:** 50.—**St. Dunstan's** and blinded American soldiers. J. Am. M. Ass., 1943, **123:** 852.—**Tikhomirov, P. E.** [Treatment of blindness due to war wounds] Vest. oft., 1944, **23:** No. 5, 10–4. Also Am. Rev. Soviet M., 1945–46, **3:** 451 (Abstr.)—**Weld, S. B.** Old Farms Convalescent Hospital for the blind soldier. Connecticut M. J., 1944, **8:** 875–7.

BLIND flying.

See also **Aviation.**

BROWNE, R. C. Benzedrine and the beam approach. 11p. 28cm. Lond., 1942.

Forms F. P. R. C. No. 507, Gr. Brit. Flying Pers. Res. Com.

SMITH, R. B. Study of acetate hoods used to simulate blind flying. 5p. 27cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 511 U. S. Air Force School Aviat. M.

Arkhangelsky, A. [Problems of psychophysiology in training for blind flights] Voen. san. delo, 1935, 86–9.—**Cayotte, J.** Le

vol en avion sans visibilité. France méd., 1947, **10**: No. 5, 3.—**Jones, I. H.** Blind flying. In: Outline Otolar. (Hargreaves, J. M., ed.) Randolph Field, Tex., 1939, 67–78.—**Myers, D. A.** The medical contribution to the development of blind flying. Air Corps News Lett., 1936, **20**: No. 14, 7–10. Also Army M. Bull., 1936, **36**: 18–37. Also in Outline Otolar. (Hargreaves, J. M., ed.) Randolph Field, Tex., 1939, 79–98.—**Pascual del Roncal, E.** El aterrizaje ZZ en el vuelo sin visibilidad. Ciencia, Méx., 1941, **2**: 214–9.—**Popov, A.** [Training for blind flights] Voen. san. delo, 1936, 64–9. ——— Slepoi polet. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 156–9.—**Rose, H. W.** Analytical and clinical study of the blue and red acetate hoods used to simulate blind flying. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 38.—**Segnali** acustici per il volo strumentale. Riv. med. aeronaut., 1947, **10**: 57.—**Sirito, D. H. A.** Empleo de ondas cortas y largas para la navegación aérea y aterrizaje a ciegas de aviones. Rev. mil., B. Air., 1938, **38**: pt 2, 121–7.

BLOCKADE.

Einzig, P. Economic aspects of the blockade and counter-blockade. Nature, Lond., 1941, **148**: 549–51.—**Koenig, H.** Vor 50 Jahren: Blockade vor Ostafrika. Deut. Militärarzt, 1939, **4**: 78.—**Vasiljev, V.** Blokada. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 491–7.

BLOOD.

For references see under subsequent headings; also **Hematology; Injury,** Physiopathology.

BLOOD bank.

Bouchaud, J. F. *Fonctionnement d'un centre de transfusion sanguine aux armées en temps de guerre. 40p. 25½cm. Nancy, 1940.

Birch, C. L. Blood banks and the war. Med. Woman J., 1942, **49**: 161–4.—**Blood** banks for civilian defense. Illinois M. J., 1942, **81**: 95. Also J. Am. M. Ass., 1942, **118**: 232.—**Blood** banks for civilian casualties. N. York State J. M., 1942, **42**: 1966.—**Blood** banks in evacuation hospital. Bull. U. S. Army M. Dep., 1944, No. 76, 5. Also Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1**: No. 3, 21.—**Care** of the blood bank. Bull. Army M. Dep., Lond., 1942, No. 14, 7. Also Select. Army M. Dep. Bull., Lond. (1941–42), 1943, 12.—**Eckert, A. W.** Organization of civic and service clubs for plasma banks. Hospitals, 1941, **15**: 102.—**Emerson, C. P., & Ebert, R. V.** Operation of a hospital blood bank. Med. Bull. U. S. Chief Surg., Europ. Theater, 1944, No. 14, 7–15.—**First** whole blood bank aboard ship. J. Am. M. Ass., 1944, **126**: 966.—**Katzin, E. M.** Plasma and blood banks in war time. J. M. Soc. N. Jersey, 1943, **40**: 218–21.—**Lima, M. S.** Banco de sangue do Exército. Arq. Inst. biol. exérc., Rio, 1948, **9**: 87–108. ——— Plano para instalação de um pequeno banco de sangue. Rev. med. mil., Rio, 1949, **38**: 117–30.—**McCrudden, R. J. G.** Bancos de sangre para el Segundo Frente. Medicina, Habana, 1944, **2**: No. 17, 13–5.—**Mason, J. B.** Planning for the ETO blood bank. Mil. Surgeon, 1948, **102**: 460–8.—**Maurer, R. E.** Blood bank in a fixed (general) hospital; analysis of 7,150 transfusions of stored blood. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3**: 217–23.—**Office** of Civilian Defense blood plasma bank. Med. Ann. District of Columbia, 1942, **11**: 368.—**Officer, R.** Blood storage on active service. Austral. N. Zealand J. Surg., 1942–43, **12**: 111–8, pl.—**Orr, W. R.** Pooling of whole, type O blood. Hosp. Corps Q., 1945, **18**: No. 10, 53–5.—**Pinkerton, F. J.** The blood and plasma bank in time of peace and war. Proc. Hawaii. Acad. Sc. (1940–43) 1945, 16–18. meet., 22.—**Russ, W. B.** The value of non-profit blood banks for civilian use; as planned by the Office of Civilian Defense. Tr. South. Surg. Ass. (1943) 1944, **55**: 314–7.—**Souza Lima, M.** Banco de sangue do exército. Arq. Inst. biol. exérc., Rio, 1945, **6**: No. 6, 59–70.—**Star, L. D.** A simple method of establishing a blood bank on ships of the fleet. Mil. Surgeon, 1945, **96**: 522–4.—**Willcutts, M. D., Hicks, R. A., & Robnett, A. H.** Simplified and economical plasma bank technic. U. S. Nav. M. Bull., 1942, **40**: 800–2, 2 pl.

BLOOD donor.

See also **Blood transfusion service.**

American National Red Cross. Blood Donor Service. ARC 1267: American Red Cross Blood Donor Service during World War II; its organization and operation. 99p. 28cm. Wash., 1946.

Pittsburgh, Pa. Industrial Hygiene Foundation. Medical Committee. What about blood donations by war workers? 7 l. 28½cm. Pittsb., 1943.

Tessler, L. *Le dépistage de la syphilis chez les donneurs de sang en temps de guerre. 43p. 24cm. Par., 1945.

American Red Cross Blood Donor Service. Mil. Surgeon, 1942, **91**: 486.—**Bang, O.** [Blood-donor service as air-defense institution] Ugeskr. laeger, 1940, **102**: 814.—**Blood** donations by war workers. Indust. M., 1943, **12**: 318–22. Also J. Am. M. Ass., 1943, **122**: 179.—**Blood** donors save wounded. Health, Mount. View, 1943, **10**: No. 10, 4.—**Defense** blood. Red Cross Courier, 1941–42, **21**: No. 3, 16.—**DeKleine, W.** Red Cross blood procurement project for the Army and Navy. J. Am. M. Ass., 1941, **117**: 1711.—**Donation** of blood for transfusion and other purposes; Act July 30, 1941, Public Law 196, 77th Congress [Circular Letter, S. G. O.] War Med., Chic., 1942, **2**: 482–6.—**Ellis, C. H.,** jr, & **Thompson, R. E. S.** Blood goes to war. Science Yearb. (Ratcliff, J. D.) Garden City, 1943, 41–53.—**Life's** blood for defense. Red Cross Courier, 1940–41, **20**: No. 9, 15.—**Mullen, E. A.** The safe universal donor. U. S. Nav. M. Bull., 1944, **43**: 32.—**Portinho de Moraes, R.,** & **de Oliveira Freitas, W.** Da seleção dos doadores sanguíneos. Rev. med. mil., Rio, 1941, **30**: 520–46. Also Arq. brasil. med. nav., 1941–42, **2**: 851–83.—**Red** Cross blood donor program. Mil. Surgeon, 1943, **92**: 342.—**Red** Cross blood donors; lives of our fighting men are being saved all over the world. J. Nat. Ass. Chiropod., 1943, **33**: No. 3, 13.—**Saleiro Pitão, J.** Da necessidade de se fazer doadores seleccionados nos corpos de tropa. Rev. med. mil., Rio, 1936, **25**: 272–5.—**Schmid, A. L.** Organisation des Blutspenderwesens. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 168–99.—**Schulz, E.** Transfusion von konserviertem Universalblut. Deut. Militärarzt, 1941, **6**: 214–22.—**Shamov, V. N.** The question of the universal donor. Bull. War M., Lond., 1941–42, 2: 195 (Abstr.)—**Slezáček, L.** [Organization of blood donors in the Army] Voj. zdravot. listy, 1938, **14**: 174–82.—**Stearns, M.** Your blood can save a soldier! Hygeia, Chic., 1942, **20**: 254.—**Taylor, E. S.** Blood procurement for the Army and Navy. J. Am. M. Ass., 1941, **117**: 2123–9.—**Universal** group O donors in emergency blood transfusions. Bumed News Lett., Wash., 1943, **2**: No. 3, 10.—**Urge** blood aid to allies. A–V, Phila., 1940, **48**: 103.—War-time problems. Nurs. Times, Lond., 1940, **36**: 1167.—**Your** blood goes to war. Mod. Pharm., Detr., 1943, **27**: 2–5.

BLOOD group.

See also preceding and subsequent headings.

Gradwohl, R. B. H. New facts on blood groups with special reference to military purposes. Mil. Surgeon, 1941, **88**: 128–43.—**Kesinger, H. F.** Blood groups in Air Forces basic trainees. Bull. U. S. Army M. Dep., 1946, **5**: 187–90.—**Romanó, A. C.** Importancia de los grupos sanguíneos en la transfusión; el factor Rh. Rev. san. mil., B. Air., 1944, **43**: 1035–45.—**Takahara, B.** Heitai no ketueki syuzoku to zinsyu keisū oyobi korera to kosei, situbyō nado to no kankei [The blood-groups of soldiers and the racial coefficient...] Gun idan zassi, 1930, No. 201, 283–96.

—— Recording.

Determination and recording of blood typing of large groups of military personnel. Gradwohl Lab. Digest, 1943–44, **7**: No. 2, 3.—**Ksendzovsky, M. I.** [Permanently recording the blood group of an individual by tattoo marks] Khirurgia, Moskva, 1942, No. 10, 85.—**Mrugowsky, J.,** & **Bernhart, H.** Die Ausführung von Massenuntersuchungen auf Blutgruppenzugehörigkeit und das Eintätowieren der aufgefundenen Blutgruppe. Münch. med. Wschr., 1941, **88**: 669–72.—**Newhouser, L. R.,** & **Gibson, S. T.** Errors in blood groups on identification tags. Bumed News Lett., Wash., 1944, **4**: No. 12, 10.—**Penchansky, S. J.** A suggested modification of the procedure determining and recording of blood typing of large groups of military personnel. Mil. Surgeon, 1943, **92**: 312–5.

BLOOD grouping.

See also preceding heading.

Bergman, R., & **Jelke, H.** [On the methods of mass blood grouping] Tskr. Mil. hälsov., 1940, **65**: 120–3.—**Beudin.** Rappel de notions pratiques de groupage sanguin et leur application à l'armée. Arch. Serv. san. Armée belge, 1947, **100**: 28–32.—**Blood grouping.** Bull. Army. M. Dep., Lond., 1943, Suppl. No. 11, 1–7.—**Blood-grouping** of military personnel. Ibid., 1942, No. 14, 4–6. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 10–2.—**Bolshev, I. N.,** & **Barkhatova, N. N.** Dopolnitelnye izohemoaggliutinacionnye priznaki i trudno opredeliaemye gruppy krovi donora i recipienta. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 74–89.—**Crawford, J. P.,** & **Hertert, L. D.** Standardization of blood grouping serum. Mil. Surgeon, 1943, **92**: 31–4.—**De Gowin, E. L.** Errors in mass blood grouping and methods of minimizing them. War Med., Chic., 1943, **4**: 410–4.—**Dyke, S. C., Bailey, H.,** & **Stringer, W. I. B.** Blood grouping. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 65–7.—**Eyer, H.,** & **Auwers, E. v.** Ein Zusatzgerät zum Blutgruppenbesteck der militärärztlichen Akademie. Deut. Militärarzt, 1940, **5**: 335.—**Gatti, C. F. J.** Preparación de sueros testigos desecados para la determinación del grupo sanguíneo; técnica de su utilización principalmente en campaña. Rev. san. mil., B. Air., 1944, **43**: 619–24. ——— & **Zoroza, F. J.** Preparación, titulación, preservación y almacenaje de sueros testigos

para la determinación del grupo sanguíneo. Ibid., 1943, **42**: 671–8.—**Green, C. A.** Technique of blood-grouping. J. R. Nav. M. Serv., 1941, **27**: 382–4.—**Karth, B.,** & **Broman, B.** Metodik för blodgruppering jämte några synpunkter på blodtransfusionsfrågan vid marinen. In: Handledn. & Försvarsmed., Stockh., 1940, **1**: 205–14.—**Knauer, H.** Zur Technik der Blutgruppenbestimmung im Heer. Deut. Militärarzt, 1940, **5**: 333–5.—**Krüpe, M.** Serologische Untersuchungsmethoden für massenmässig durchzuführende Blutgruppenbestimmungen. Ibid., 1942, **7**: 725–32.—**Laubenheimer, K.** Die staatliche Prüfung der Iso-Testsera für Blutgruppenbestimmungen. Bull. War. M., Lond., 1942–43, **3**: 331 (Abstr.)—**Morgan, T. R. E.** Blood grouping. Bull. Vancouver M. Ass., 1943–44, **20**: 67–9.—**Multiple** blood-typing technique. Bull. U. S. Army M. Dep., 1945, No. 85, 22.—**Piatigorskaia, M. S.** Opredelenie individualnoi sovmestimosti krovi po sposobu Gracheva. Voen. med. J., 1946, No. 1–2, 24–6.—**Pilod, M. L. E.,** & **Jaulmes, C. S. E.** La détermination des groupes sanguins; causes d'erreurs, difficultés, technique. Rev. Serv. san. mil., Par. 1939, **110**: 457–82.—**Schreiber.** Zur Technik der Blutgruppenbestimmung bei Massenuntersuchungen. Deut. Militärarzt, 1936, **1**: 97–9.—**Schröer, W.** Der Blutgruppenkoffer und sein Inhalt im Wehrkreis III. Ibid., 1943, **8**: 49.—**Seifert, E.** Die Blutgruppenbestimmung vor Blutübertragungen muss in der Klinik und im Felde richtig vorgenommen werden. Zbl. Chir., 1943, **70**: 193–200.—**Shackford, B. C.** Errors in iso-agglutination tests. U. S. Nav. M. Bull., 1943, **41**: 1068–70.—**Soldiers** to receive test to determine blood type. Mil. Surgeon, 1941, **89**: 605.—**Templeton, W. L.** Blood grouping in the forces. Brit. M. J., 1941, **2**: 758.—**Törngren, P. H.** [Methods in blood group determination] Tskr. mil. hälsov., 1940, **65**: 60–4.—**Wagner, G. F.** Blood group determination from dried serum drops. J. Am. M. Ass., 1942, **120**: 1346 (Abstr.)

BLOOD pressure.

See also **Hypertension; Medical examination,** Cardiovascular system.

Löhe, H. *Ueber den Einfluss körperlicher Bewegungen auf Pulsfrequenz und Blutdruck beim Soldaten [Bonn] 26p. 8°. Berl., 1907.

Leblond, S. La pression artérielle chez le soldat. J. Canad. M. Serv., 1943–44, **1**: 556–60.—**Souza Medina, D. de.** Controle tênsio-esfigmométrico do exercício; o repouso de 24 horas precedente o exame médico. Arq. brasil. med. nav., 1943, **4**: 175–82.

BLOOD transfusion.

Könings, L. Notions générales sur la transfusion sanguine. p. 187–226. 18½cm. Brux., 1940.

In: Méd. devant le péril aérochim. (Ferond, M.) 2. éd.

United States. Veterans Administration. Technical bulletin TB 10A–91: Blood transfusion. 4p. 27cm. Wash., 1947.

Bagdasarov, A. Eshche o perelivanii krovi. Voen. san. delo. 1939, No. 6, 47–55. ——— & **Dultsin, M. C.** Blood transfusion in military medicine. Am. Rev. Soviet M., 1944–45, **2**: 199–206.—**Banaitis, S. I.** Perelivanie, konservacia i khranenie krovi. In: Kratky kurs voen. polev. khir. (Kurpiianov, P. A., & Banaitis, S. I.) Moskva, 1942, 195–204.—**Bash, M.** Blood transfusions. Med. Bull. Europ. Command, 1949, **6**: No. 8, 21–31.—**Blinov, N. I.** Perelivanie krovi. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 206–13.—**Dyke, S. C., Bailey, H.** [et al.] Blood transfusion. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 65–84.—**Faranacci, C. J.** Blood transfusion. Med. Bull. U. S. First Army, 1949, **4**: No. 10, 3–13.—**Forst, H. C.** Buckets of blood; your blood donation, an absolutely painless procedure, may help save a warrior's life. Sc. American, 1942, **167**: 118–20.—**Gironcs, L.** Transfusión de sangre. In his Cuest. méd. quir. guerra, Santander, 1938, 331–67.—**Herlinger** & **Bozitch.** Transfusion du sang. Rev. Corps san. milit., 1946, **2**: 139.—**Hoche, O.** Die Bluttransfusion. Med. Klin., Berl., 1940, **36**: 240.—**Hussey.** Blood transfusion. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 880–4.—**Kingreen.** Blutstillung und Blutersatz. Med. Klin., Berl., 1940, **36**: 50–2.—**Lang** & **Schwiegk.** Transfusión de sangre. Rev. san. mil., B. Air., 1942, **41**: 309.—**Levantovsky, M. I.** [Blood transfusion] Feldsher, Moskva, 1939, No. 2, 22–7.—**Merényi, G.** A vérátömlesztés katonaorvosi jelentősége. Népegészségügy, 1948, **29**: 161–5.—**Oribe, J. A.** La transfusion de la sangre. Rev. san. mil., B. Air., 1936, **35**: 166; 221.—**Pereira dos Santos, R.** A transfusão de sangue. Rev. med. mil., Rio, 1938, **27**: 140–4.—**Sá, V. J. de.** Transfusão sanguinea. Arq. brasil. med. nav., 1941–42, **2**: 777–86.—**Trueta, J.** Blood transfusion. In his Principl. & Pract. War Surg., S. Louis, 1943, 147–63, illust.—**Vaughan, J. M.** Blood transfusion. In: War Wounds (Brit. M. J.) Lond., 1939, 22–34. Also Brit. M. J., 1942, **2**: 19–21. Also transl., Rev. san. mil., B. Air., 1943, **42**: 29–36.—**Vinograd-Finkel, F.** Perelivanie krovi (transfuzia krovi) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 409–26.

—— Apparatus.

Anderson, L. S. An intravenous set for small ships. J. R. Nav. M. Serv., 1941, **27**: 198–202.—**Bailey, H.** Cannulization for infusion and transfusion. In his Surg. Mod. Warfare, 2. ed., Balt., 1942, **1**: 48–55.—**Bayer, A.** Vorschlag für die Einführung eines Bluttransfusionsgerätes in die Wehrmacht und für die Organisation des Spenderdienstes im Kriegsfalle. Chirurg, 1939, **11**: 634–40.—**Biedermann.** Ein besonders für Heereszwecke geeigneter Bluttransfusionsapparat. Ibid., 654–6.—**Blood** plasma bottle holder. Bull. U. S. Army M. Dep., 1944, No. 80, 30.—**Brandtner.** Ein automatischer Bluttransfusionsapparat mit Ventilen. Deut. Militärarzt, 1937, **2**: 401; 1938, **3**: 161.—**Brown, H. R., jr.** Single unit emergency plasma procuring and donor apparatus. U. S. Nav. M. Bull., 1943, **41**: 1144.—**Bucher, R.** Ein neues Transfusionsgerät für die Armee und den praktischen Arzt. Schweiz. med. Wschr., 1942, **72**: 444–7.—**Clemens, J.** Ueber die Einfachheit und Reaktionslosigkeit der Blutübertragung bei Verwendung des Infusors und des Vetrens. Deut. Militärarzt, 1943, **8**: 653–61.—**Danitch, R.** Rapport préliminaire sur l'appareillage pour la transfusion du sang en campagne. Rev. internat. Croix Rouge, 1938, **20**: 1100–11, ch. Also Rapp. Com. internat. ét. mat. san., Genève, 1939, **13**: 72–83, tab.—**Danyo, A.** Auto-transfusion set; hemorrhage in the operating room. Hosp. Corps Q., 1949, **22**: 26–8.—**Forti, E.** Contributo alla pratica risoluzione del problema trasfusionale ai fini civili ed a quelli militari; illustrazione di un nuovo apparecchio da trasfusione. Gior. med. mil., 1937, **85**: 146–60.—**Hayes, S. N., Dhall, S. R.** [et al.] A transfusion set for use in hospitals or in the field. Ind. M. Gaz., 1941, **76**: 649–52.—**Hurteau, E. F.** A modification of the gravity transfusion set. Mil. Surgeon, 1942, **90**: 682.—**Kekalo, B. V.** Apparat dlia kapelnogo perelivaniia krovi. Voen. med. J., 1945, March, 55.—**Kremer.** Quelques observations relatives au problème de la standardisation du matériel à employer pour la transfusion du sang. Ann. belg. méd. mil., 1949, **102**: 175–8.—**Lisicky, R. M.** [Care of blood transfusion apparatus] Feldsher, Moskva, 1941, No. 11, 25.—**Luchenko, N.** Universalnyi apparat dlia priamogo perelivaniia krovi, vnutrivennykh, vnutrimyshechnykh i podkozhnykh vlivanii. Voen. san. delo, 1939, No. 11, 66–9.—**M., T.** Podgotovka posudy i apparatury dlia perelivaniia krovi. Feldsher & akush., 1949, 53.—**Matthes, H. G.** Ein einfaches, für Krieg und Frieden brauchbares Gerät zur direkten Bluttransfusion. Chirurg, 1941, **13**: 653–6.—**Mazza, M. A.** La transfusión sanguínea directa con el aparato Labat-Parodi. Rev. san. mil., B. Air., 1942, **41**: 888–93.—**Noll, K.,** & **Viczián, F.** Uj transfuziós szereléк. Honvédorvos, 1952, **4**: 79.—**Peterson, P.,** & **Ames, R. H.** Improvised donor set for giving indirect transfusions. U. S. Nav. M. Bull., 1944, **43**: 1251.—**Rufanov, I. G.** Ocherednye zadachi hemotransfuzii v khirurgicheskoi praktike. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 10–6.—**Shostak, L.** Usovershenstvovanie apparata dlia nepriamogo perelivaniia krovi. Voen. san. delo, 1939, No. 11, 62–6.—**Shvangiradze, R.** [Author's apparatus for blood transfusion during military operations] Nov. khir. arkh., 1940, **46**: 162–5.—**Silvis, R. S.** An aid to intravenous technic; veinseeker. U. S. Nav. M. Bull., 1943, **41**: 1142–4.—**Stupperich, G.** Behelfsmässiger Dauertropfer aus leeren Ampullen zur intravenösen Infusion. Deut. Militärarzt, 1943, **8**: 718.—**Szbanovsky, V. P.** [Simplified apparatus for blood transfusion and its use during military operations] Radianska med., 1940, **5**: No. 7, 78–82.—**Uses** for the Army-Navy plasma unit. Bull. U. S. Army M. Dep., 1944, No. 83, 29–32.—**Vázquez Añón, V.** Impresiones sobre la transfusión sanguínea en un equipo quirúrgico de vanguardia. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 349–51.—**Wolff, J. W.,** & **Meijer, F. H.** Een eenvoudig apparaat voor bloedtransfusie en voor het bewaren van bloed en bloedplasma. Bull. War M., Lond., 1942–43, **3**: 26 (Abstr.)—**Zimmer, G.** Die Bluttransfusion mit Vetren und Vorschläge für die Verwendung an Bord. Deut. Militärarzt, 1938, **3**: 157–61.

—— Complications.

United States. War Department. Technical bulletin TB MED 204: Complications of blood transfusion. 14p. 26cm. Wash., 1945.

Air embolism during transfusion. Bull. Army M. Dep., Lond., 1945, No. 49, 5.—**Allen, H. C.** Case report of a transfusion phenomenon. U. S. Nav. M. Bull., 1943, **41**: 1644.—**Cornet.** Des incidents transfusionnels. Arch. Serv. san. Armée belge, 1946, **99**: 90–3.—**Fluid** intake after hemolytic transfusion reaction. Bull. U. S. Army M. Dep., 1945, No. 85, 29.—**Grossman, E. B., Stewart, S. G.,** & **Stokes, J.,** jr. Post-transfusion hepatitis in battle casualties and a study of its prophylaxis by means of human immune serum globulin. J. Am. M. Ass., 1945, **129**: 991–4.—**Osman, A. A.** Blood transfusion reactions. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 78–84.—**Ottensooser, F.,** & **Pasqualin, R.** Aspectos sorológicos da transfusão de sangue; acidentes hemolíticos após transfusão, eritroblastose fetal e o novo fator sanguíneo Rh. Arq. biol., S. Paulo, 1944, **28**: 49–56.—**Russell, H. K.,** & **Hess, F. T.** The prevention of transfusion reactions. U. S. Nav. M. Bull., 1945, **45**: 725–8.—**Schallock, G.** Ueber seltenere Organveränderungen nach Transfusionen und Infusionen. Deut. Militärarzt, 1943, **8**: 545–50.—**Souza Lima, M.** Sôbre as reações perigosas nas transfusões de plasma humano. Rev. med. mil., Rio, 1945, **34**: 431–46.—**Transfusion** and venous spasm. Bull. Army M. Dep., Lond., 1945, No. 47, 7.

—— Field technic.

See also **Battle**, Medical work; **Battlefield**, Medical activities.

Fritschi, J. *La transfusion sanguine dans les postes avancés de l'armée. 69p. 24cm. Par., 1939.

Bagdasarov, A. A. [Blood transfusions in 2 cases under fire] Voen. san. delo, 1941, No. 8, 19–29.—**Barlow, K. G. A.** Blood transfusion in the field; experiences in the M. E. F. In: Interallied Conf. War Med. (1942–45) 1947, 186–93.—**Beecher, H. K., & Burnett, C. H.** Field experience in the use of blood and blood substitutes (plasma, albumin) in seriously wounded men. Med. Bull. North Afr. Theater of Oper. U. S., 1944, 2: 2–7.—**Blumberger.** Die Bluttransfusion bei der Behandlung innerer Krankheiten im Felde. Vjschr. schweiz. Sanitätsoff., 1943, 20: 127 (Abstr.)—**Brown, J. C. M.** A simple method of serum transfusion in the field. J. Canad. M. Serv., 1945–46, 3: 144–6.—**Domanig, E.** Die Blutübertragung an der Front. Deut. Militärarzt, 1940, 5: 562 (Abstr.)—**Ellis, F. P.** Blood transfusion in the field. In: Interallied Conf. War Med. (1942–45) 1947, 194–202.—**Ellis, R. W. B.** Blood transfusion at the front. Proc. R. Soc. M., Lond., 1937–38, 31: 684–6.—**Heusser, H.** Beitrag zur Bluttransfusion im Felde. Schweiz. med. Wschr., 1939, 69: 1290.—**Holle, F.** Die Technik der Bluttransfusion im Felde. Zbl. Chir., 1942, 69: 984–91. Also Bull. War M., Lond., 1942–43, 3: 276 (Abstr.)—**Importance** of whole blood transfusions in battle casualties. Bumed News Lett., Wash., 1944, 3: No. 6, 7.—**Knoll, H., & Märki, H.** Experimenteller Beitrag zur Frage der Bluttransfusion im Felde. Schweiz. med. Wschr., 1939, 69: 744–8.—**Morell, T.** Bluttransfusion im Felde. Deut. med. Wschr., 1938, 64: 1356.—**Osswald, F.** Die Bluttransfusion im Felde. Zbl. Chir., 1942, 69: 992–8.—**Palmer, I.** Frontorganisationen av blodtransfusion. In: Handledn. & Försvarsmed., Stockh., 1940, 2: 295–9.—**Plasma** transfusion at a casualty clearing station. Nurs. Times, Lond., 1940, 36: 832.—**Skundina, M. G.** [Blood transfusion during military operations] Sovet. med., 1941, 5: No. 9, 10–4.—**Spath, F.** Die Bluttransfusion im Felde. Wien. med. Wschr., 1940, 90: 890.

—— History.

Gatti, C. F. Historia militar de la transfusión sanguínea. Arch. Secr. salud púb. (Argentina) 1947, 2: No. 13, 56–72.—**Hirsh, J.** The story of blood transfusion; its civilian and military history. Mil. Surgeon, 1941, 88: 143–58.

—— Indications.

Bagdasarov, A. A., & Dulcin, M. S. [Indications for hemotherapy in rear evacuation hospitals] Klin. med., Moskva, 1942, 20: No. 7, 27–35.—[**Blood** transfusion in internal diseases and its rôle during military operations] Ibid., 1941, 19: No. 9, 74–6.—**Blood** transfusions in patients with severe injuries. Bull. U. S. Army M. Dep., 1946, 6: 13–6.—**Blood** transfusion in the reparative management of battle wounds. Ibid., 1945, No. 85, 4.—**Blumberger, K.** Die Bluttransfusion bei der Behandlung innerer Krankheiten im Felde. Med. Klin., Berl., 1943, 39: 230–4.—**Boon, T. H.** Blood and its derivatives in the treatment of air raid casualties. Newcastle M. J., 1941–42, 21: 38–45.—**Csefkó, I., & Varró, J.** Transfusio és infusio hatása a véralvadásra. Honvédorvos, 1950, 2: 588–95.—**Dacie, J. V., & Homer, G. F.** Blood-loss in battle casualties; use of transfusion fluids. Lancet, Lond., 1946, 1: 371–7.—**Emerson, C. P.,** jr. The use of blood and plasma in the treatment of battle casualties. Am. J. Surg., 1946, 72: 307–14.—**Faure, L.** La place de la transfusion sanguine dans l'asphyxie par les gaz de combat, par submersion et par électrocution. Sud méd. chir., 1945, 77: 445–9.—**Filatov, A. N.** Pokazaniia k perelivaniiu krovi. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 214–27.—**Gillerson, A. B., & Aseeva, I. V.** Perelivanie krovi pri pronikaiushchikh ognestrel'nykh raneniiakh grudnoi kletki. In: Vopr. pereliv. krovi, Gorky, 1944, 227–37.—**Govaerts, P.** Étude de l'anémie posthémorragique chez les blessés; indications de la transfusion immédiate. Tr. Ambul. Océan, La Panne, 1917, 1: fasc. 2, 355–81.—**Hedri, E., A Máté, I.** A transfusio ellenjavallatai. Honvédorvos, 1950, 2: 49–52.—**Kaplan, A. V., & Khanin, L. A.** [Massive blood transfusion in grave cases of loss of blood caused by gunshot wounds] Klin. med., Moskva, 1942 20: 31.—**Kazansky, V I., & Pokrovsky, P. I.** Perelivanie krovi pri gnoino-septicheskih oslozhneniiakh ognestrel'nykh ran voennogo vremeni. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 419–33.—**Khromov, B.** Perelivanie krovi v usloviiakh khimicheskoi voiny. Voen. san delo, 1939, No. 10, 33–42.—**Kisioka, K.** Bōketu-si oyobi yukessei ni tuite [Death from bleeding, and transfusion of blood] Gun idan zassi, 1938, No. 301, 547–90.—**Knudsen, J. W.** Emergency blood transfusion. Hosp. Corps Q., 1945, 18: No. 5, 37.—**Korolev, B. A.** O vnutriarterial'nom vvedenii krovi pri travmaticheskom shoke. In: Vopr. pereliv. krovi, Gorky, 1944, 238–49.—**Kurlova, V. K.** Opyt perelivania krovi pri travmaticheskikh povrezhdeniiakh glaza. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 125–8.—**Macnab, G. H.** The value of transfusion in war injuries. Med. Press & Circ., Lond., 1941, 205: 514–8. Also Mod. Treat. Yearb., Lond., 1942, 8: 223–9, pl.—**Murakami, S.** Study on compensative liquid for blood transfusion at the time of danger of death from acute hemorrhage. Bull. Nav. M. Ass., Tokyo, 1940, 29: 14.—**Norris, J. C.** Emergency blood transfusions on hospital ships in war zones. U. S. Nav. M. Bull., 1945, 45: 938–44.—**Pérez, B., & Vera, A. R.** Transfusión de sangre; indicaciones, contraindicaciones, complicaciones. Rev. san. mil., B. Air., 1946, 45: 844–52.—**Schaefer, G.** Indications for the transfusion of various kinds of blood. Mil. Surgeon, 1941, 89: 48–53.—**Schroeder, W., & Duesberg, R.** Zur Pathophysiologie und Klinik der Kollapszustände; die Beeinflussung der Kreislauftätigkeit durch Blut- und Serumübertragungen. Deut. Militärarzt, 1943, 8: 536–41.—**Transfusion** during operation. Bumed News Lett., Wash., 1944, 4: No. 4, 8.—**Whitby, L.** The development and the results of transfusion in the treatment of battle casualties. J. R. Army M. Corps, 1945, 85: 266–70.

—— Material.

Alvarez de los Cobos, S. Sangre y sus derivados en cirugía. Bol. san. mil., Méx., 1949, 2: 453; passim.—**Gatti, C. F. J., & Gorostordoy, H.** Responsabilidad médica y transfusión; control de sangre y plasma. Rev. san. mil. argent., 1948, 47: 431–58.—**Kendrick, D. B.,** jr. The use of plasma, whole blood and human serum albumin by the Armed Forces. J. Internat. Coll. Surgeons, 1944, 7: 289–95. Also transl., Rev. mil. Perú, 1944, 41: 609–16.

—— Material: Blood.

United States. Office of Civilian Defense. Medical Division. A technical manual on the preservation and transfusion of whole human blood. 31p. 27cm. Wash., 1942.
Also rev. ed.

DeGowin, E. L. The possible role of whole blood transfusions in military medicine. J. Am. M. Ass., 1945, 127: 1037–9.—**Del Villar Madrid, R.** La transfusión de sangre total en campaña. Sugestiones, Méx., 1943–45, 9: No. 115, 111–4.—**Excessive** use of whole blood. Bumed News Lett., Wash., 1945, 5: No. 8, 11.—**Markowitz, J.** Transfusion of defibrinated blood in P. o. W. camps at Chungkai and Nakom Paton, Thailand. J. R. Army M. Corps, 1946, 86: 189–97.—**Norris, J. C., & Schwarting, J. C.** Universal O vs. typed blood (a comparative evaluation) Mil. Surgeon, 1945, 97: 297–300.—**Rogers, J. A.** Transfusion of whole blood in the theaters of operations. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 108, 1–4.—**Use** of refrigerated blood for armies. J. Am. M. Ass., 1938, 111: 1311.—**Whole** blood; new refrigeration system. Bull. U. S. Army M. Dep., 1945, No. 89, 3.—**Whole** blood transfusions at the front. Ibid., 1943, No. 69, 3–5.—**Willcutts, M. D., & Hicks, R. A.** Safe universal blood. U. S. Nav. M. Bull. 1944, 42: 852-5.

—— Material: Blood, conserved.

Dekkert, H. *Ueber die Notwendigkeit der Transfusion von konserviertem Blut bei den Sanitätsformationen der Front unter Berücksichtigung der bisherigen Erfahrungen im Krieg und Frieden. 28p. 23cm. Berl., 1940.

Aleksandrowicz, J. [Conserved blood used in blood transfusion in military sanitary service] Lek. wojsk., 1937, 29: 399–408.—**Bandeira de Mello, N.** A transfusão de sangue conservado em tempo de guerra. Impr. med., Rio, 1939, 15: 143–50. Also Rev. med. mil., Rio, 1939, 28: 37–51. Also Rev. san. mil., B. Air., 1939, 38: 402–13.—**Bonnel, P. H.** Le sang conservé; ses avantages, son utilisation. Rev. méd. nav., Par., 1948, 3: 33–41.—**Bürkle-De la Camp, H.** Ueber die Bluttransfusion im Kriegsfall unter besonderer Berücksichtigung der Verwendung konservierten Blute. Deut. Militärarzt, 1940, 5: 564 (Abstr.)—**Corelli, F.** La trasfusione di sangue conservato nelle armate in guerra. Riforma med., 1939, 55: 635–7.—**Czekalowski, J. W.** Z badań nad krwią konserwowaną. Lek. wojsk., 1941, 34: 173–6.—**Edwards, F. R.** Preserved blood transfusion. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 1: 75–8.—**Franz, C.** Die Transfusion von konserviertem Blut im Krieg. Deut. Militärarzt, 1938, 3: 433–7.—**Guest, G. M.** Methods of preservation of whole blood. In: Advance. Mil. Med., Bost., 1948, 1: 462–72.—**Hardin, R. C.** Military uses of stored blood. J. Iowa M. Soc., 1941, 31: 158–60.—**Kolesnikov, I. S.** [Conservation of blood] Tr. Acad. mil. méd. Kiroff, 1935, 3: 3–24. ——— [History of blood transfusion with stored blood] Ibid., 1936, 7: 15–22.—**Kolff, W. J.** [Experiences with stored blood in war-time] Ned. tschr. geneesk., 1940, 84: 4385–9.—**Longo, D.** La trasfusione di sangue conservato e stabilizzato; metodo Corelli. Gior. med. mil., 1938, 86: 595–9.—**Maisonnet & Jeanneney.** La transfusion de sang conservé aux armées. Arch. belg. Serv. san. armée, 1938, 91: 276–80. Also Mém. Acad. chir., Par., 1938, 64: 1000–4.—**Nechaev, E. N.** Opyt massovoi zagotovki konservirovannoi krovi i snabzheniia eiu deistvuiushchei armii. In: Vopr. pereliv. krovi, Gorky, 1944, 9–21.—**Peña Regidor.** Die Bluttransfusion in der Kriegschirurgie; einige Komplikationen bei der Transfusion mit konserviertem Blut. Schweiz. med. Wschr., 1939, 69: 682.—**Raška, K.** [Transfusions with stored blood] Voj. zdrav. listy, 1938, 14: 350–9.—**Ricard.** Le sang conservé aux armées; sa valeur, sa production. Réun. méd. chir. Armée fr., 1946, num.

spéc., 31–8.—**Schürch, O.** Transfusion with stored blood. Bull. War M., Lond., 1941–42, **2**: 299 (Abstr.)—**Schulz, E.** Transfusão de sangue universal conservado. Rev. med. mil., Rio, 1941, **30**: 569–71.

—— Material: Cadaveric blood.

Nisimura, T., & Sakakibara, S. Hinsi no sensyōsya ni sitai yori etaru ketueki wo yuketu sitaru iti rei. [Case of ...] Gun idan zassi, 1938, No. 307, 1443–6.—**Saxton, R. S.** Towards cadaver blood transfusions in war. Lancet., Lond., 1938, **1**: 693.

—— Material: Citrate blood.

Durán Jordá, F. La transfusión de sangre citratada conservada; el problema de la dosis. Rev. san. guerra, 1937, **1**: 322–8. ——— Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; la destrucción leucocitaria. Ibid., 340–3, 2 pl. ——— **& Benlloch Llorach, A.** Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; la destrucción del complemento. Ibid., 344–7.—**Durán Jordá, F., & Margárit Aleu, E.** Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; estudio sobre la cifra de los hematíes, leucocitos y hemoglobina. Ibid., 329–34.—**Durán Jordá, F., & Sardá Roca, J.** Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; la resistencia globular del hematíe. Ibid., 335–9. ——— Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; el metabolismo de la urea. Ibid., 352–4.—**Durán Jordá, F., & Soteres Díez, F.** Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; los procesos de glucolisis. Ibid., 348–51.—**Durán Jordá, F., & Villaró Closa, V.** Contribución al estudio del metabolismo in vitro de la sangre citratada-conservada; la acción amilolítica. Ibid., 355–7.—**Jorns, G., & Greis, W.** Citratblutübertragung und Blutstillung. Deut. Militärarzt, 1943, **8**: 355–8.

—— Material: Plasma.

Lozner, E. L. Studies on liquid plasma during second year of storage. 4 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res, Proj. X–105, U. S. Nav. M. Res. Inst.

Lozner, E. L. Statistical study of 1751 administrations of plasma preserved in the liquid state. 18 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–179, U. S. Nav. M. Res. Inst.

—— Lemish, S., & Campbell, A. S. Chemical and physico-chemical studies on human plasma preserved in the liquid state at room temperature during third year of storage. 7p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X–105, U. S. Nav. M. Res. Inst.

—— Chemical and physico-chemical studies on human plasma during three years of storage in the liquid state at room temperature. 21p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3, Res. Proj. X–105, U. S. Nav. M. Res. Inst.

United States. Office of Civilian Defense. Medical Division. A technical manual on citrated human blood plasma, detailing its procurement, processing, and use. 41p. 26½cm. Wash., 1942. Also other ed. 44p. 27cm. Wash., 1942.

—— Blood plasma technical manuals, Supplement No. 1. 9p. 27cm. Wash., 1942.

Blood plasma demonstration package. Bumed News Lett., Wash., 1943, **2**: 17.—**Blood** plasma performs miracles at the war fronts. Bausch & Lomb Mag., 1942, **18**: No. 2, 16.—**Blood** plasma saved my life. Red Cross Courier, 1942–43, **22**: No. 9, 4.—**Bunch, G. H.** Plasma as an agent for transfusion in war. South. M. & S., 1941, **103**: 20.—**Burcham, T. A., & Zimmerer, E. G.** The use of the civilian defense blood plasma reserve in Iowa. J. Iowa M. Soc., 1943, **33**: 125–7.—**Bushby, S. R. M., & Whitby, L. E. H.** Army blood transfusion service technique for the filtration of blood plasma. J. R. Army M. Corps, 1941, **76**: 4–11. ——— Certain properties of plasma with a new method for large scale production of a non-clotting product. Ibid., 1942, **78**: 255–9.—**Chemical** and physico-chemical studies on human plasma during 3 years of storage in the liquid state at room temperature. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 1.—**Edwards, F. R.** Plasma infusion. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 56–9.—**Elliott, J., Tatum, W. L., & Busby, G. F.** Blood plasma. Mil. Surgeon, 1941, **88**: 118–25.—**G., S. T.** Liquid plasma; danger of mercury poisoning. Bumed News Lett., Wash., 1944, **4**: 18.—**Gray, G. W.** Blood plasma. In his Science at War, 3. ed., N. Y., 1943, 208–12.—**Green, D. M.** Use of plasma in very long range aircraft. Air Surgeon's Bull., 1945, **2**: 290.—**Hardgrove, M.** The Army and Navy plasma project. Wisconsin M. J., 1942, **41**: 58.—**Henderson, J.** Human plasma; a review of its preparations and indications in military and civil practice. Rocky Mountain M. J., 1942, **39**: 271–7.—**Hill, J. M., & Muirhead, E. E.** Desiccated plasma for national defense; mass production methods based on the Adtevac process. J. Lab. Clin. M., 1941–42, **27**: 812–9.—**Hubbard, M. E.** Discussion of blood and plasma transfusions. Mil. Surgeon, 1941, **88**: 125–8.—**Human** plasma and serum albumin [form letter] Bumed News Lett., Wash., 1945, **5**: No. 3, 28.—**Jame & Demanche.** A propos de la plasmathérapie. Bull. Soc. méd. mil. fr., 1945, **39**: 245–8.—**Kendrick, D. B.,** jr, **& Newhouser, L. R.** Human plasma and serum. Army M. Bull., 1941, No. 58, 61–71.—**Kimbrough, J. W.** A mechanical difficulty in administering blood plasma. U. S. Nav. M. Bull., 1943, **41**: 540.—**Kleinschmidt, H. E.** Peacetime use of war blood plasma. Am. J. Nurs., 1946, **46**: 524.—**Korolev, B. A.** Klinicheskie nabliudeniia nad perelivaniem plazmy. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 27–73.—**L., E. L.** Liquid plasma. Bumed News Lett., Wash., 1943, **2**: No. 4, 8. ——— Blood pressure and pulse response to plasma transfusion. Ibid., 1944, **3**: No. 9, 14.—**Lobo, A.** Plasma humano como substituto do sangue total nas transfusões de emergência. Rev. med. mil., Rio, 1942, **31**: 299–311.—**Muether, R. O.** Office of Civilian Defense plasma. Week. Bull. S. Louis M. Soc., 1942–43, **37**: 249.—**N., L. L., & L., E. L.** Studies on liquid plasma during second year of storage. Bumed News Lett., Wash., 1943, **2**: No. 3, 21.—**Newhouser, L. R., & Lozner, E. L.** The use of normal human plasma in the Armed Forces. Connecticut M. J., 1942, **6**: 14–6.—**Reimann-Hunziker, G.** Die Transfusion mit amerikanischen Blutplasma. Militärsanität, Zür., 1947, **29**: 47.—**Snell, A. M.** The military uses and preparations of human blood plasma. Proc. Mayo Clin., 1943, **18**: 247–51.—**Sorley, E. R.** Plasma transfusion. J. R. Nav. M. Serv., 1941, **27**: 79.—**Swedberg, B., & Widström, G.** Tillverkning i stor skala av transfusionsplasma. Tskr. mil. hälsov., 1946, **71**: 1–29.—**Tavares Mutél, I.** Hemo-transfusão e plasmo-transfusão. Rev. med. mil., Rio, 1941, **30**: 209–14.—**Tigertt, W. D.** War time use of plasma. Texas J. M., 1942–43, **38**: 207–10.—**Tiselius, A., & Widström, G.** Redogörelse för försök över torkning av människoplasma för transfusionsändamål, utförda vid Fysikalisk-Kemiska Institutionen i Uppsala 1940–41. Tskr. mil. hälsov., 1946, **71**: 30–41.—**Vészi, I.** Plasma-transfusió. Honvédorvos, 1952, **4**: 105–13.—**Whitby, L. E. H.** The use of plasma. J. R. Army M. Corps, 1941, **76**: 1–3.

—— Material: Plasma, dried.

Best, C. H., Solandt, D. Y., & Ridout, J. H. The Canadian project for the preparation of dried human serum for military use. In: Blood Substitutes (Mudd, S., & Thalhimer, W.) Springf., 1942, 235–41.—**Colonnell, W. J.** Allergic reaction to dried human plasma. U. S. Nav. M. Bull., 1943, **41**: 1356–9.—**Dehydrated** human blood plasma in military and civil medicine. Seminar, Phila., 1942, **4**: No. 2, 19.—**DeKleine, W.** Processing dry blood plasma for national defense. Red Cross Courier, 1940–41, **20**: No. 10, 16.—**Downs, T. M.** A reaction to dried pooled human plasma. U. S. Nav. M. Bull., 1943, **41**: 189–92.—**Drying** (The) of plasma and serum; Army Blood Transfusion Service. Nurs. Times, Lond., 1941, **37**: 760.—**Folsom, T. R.** An effective technic for desiccating plasma in useful quantities; the sterile unit desiccator. War Med., Chic., 1941, **1**: 342–51.—**Greaves, R. I N.** Production of blood derivatives to meet war requirements.n Great Britain; with a note on the large scale preparation of a dried product. J. Am. M. Ass., 1944, **124**: 76–9.—**Hill, J. M.** Preparation of desiccated human plasma by mass production methods; its importance in routine and military surgery. N. York State J. M., 1941, **41**: 1537–42. ——— **& Mulrhead, E. E.** Problems of military importance in the preparation and use of desiccated plasma or serum. Texas J. M., 1942–43, **38**: 195–9.—**Newhouser, L. R., & Lozner, E. L.** Suggestions on the use of the equipment of the standard Army-Navy package of dried plasma for whole blood transfusions. U. S. Nav. M. Bull., 1944, **42**: 451–6.—**Page, J. A., & Gunn, W. D.** The preparation of desiccated plasma. J. R. Nav. M. Serv., 1942, **28**: 52–5.—**Pereira, J. R., & Corbett, C. E.** Investigações experimentais sobre substitutos do sangue, plasma seco. Rev. med. mil., Rio, 1943, **32**: 97–102.—**Preparación** del plasma desecado en la Dirección general de sanidad. Rev. san. mil., B. Air., 1942, **41**: 615–20.—**Rogers, J. A.** Instruction of medical officers in the reconstitution and use of the standard Army-Navy package of normal plasma, dried. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 55, 1.—**Strumia, M. M., & McGraw, J. J.** Frozen and dried plasma for civil and military use. J. Am. M. Ass., 1941, **116**: 2378–82.—**Strumia, M., Newhouser, L. R.** [et al.] Development of equipment for administration of dried plasma in the armed forces. War Med., Chic., 1942, **2**: 102–13.—**Use** of plasma and the regeneration of dried human plasma [form letter] Bumed News Lett., Wash., 1943, **2**: 19.

—— Material: Red cells.

Levenson, S. M., Birkhill, F. R. [et al.] Report of the metabolic fate of infused erythrocytes. 41 l. 27cm. Chic., 1949.

Forms Rep. No. 64, U. S. Army Med. Nutrit. Laborat.

—— Material: Serum [albumin]

Green, C. A. Preparation of human serum for therapeutic purposes. J. R. Nav. M. Serv., 1942, **28**: 51.—**Heyl, J. T., & Janeway, C. A.** The use of human albumin in military medicine; the theoretical and experimental basis for its use. U. S. Nav. M. Bull., 1942, **40**: 785–91.—**Human** albumin in military medicine. J. Am. M. Ass., 1942, **120**: 1041.—**Kendrick, D. B., Reichel, J.,** jr, **& McGraw, J. J.,** jr. Human serum albumin concentrated. Army M. Bull., 1943, No. 68, 107–12.—**Lang, K., & Schwiegk, H.** Erfahrungen mit der Serumkonserve und mit Plasma als Blutersatzmittel. Deut. Militärarzt, 1942, **7**: 379–84.—**N., L. R., & G., S. T.** Concentrated normal human serum albumin. Bumed News Lett., Wash., 1944, **3**: No. 8, 4–6.—**Newhouser, L. R., & Lozner, E. L.** Human serum albumin, concentrated; clinical indications and dosage. U. S. Nav. M. Bull., 1942, **40**: 277–9. —— The standard Army-Navy package of serum albumin human, concentrated. Ibid., 796–9, 2 pl.—**Pereira, J. R., & Corbett, C. E.** Investigações experimentais sobre substitutos do sangue; soro-albumina humana. Rev. med. mil., Rio, 1943, **32**: 103.—**Woodruff, L. M., & Gibson, S. T.** The clinical evaluation of human albumin. U. S. Nav. M. Bull., 1942, **40**: 791–6.

—— Material: Substitutes of blood.

Fonio, A. Vorlesungen über die Blutersatzfrage im Felde. 48p. 24cm. Bern., 1943.

Kendrick, D. B., jr, & Newhouser, L. R. The problems confronting the armed services concerning the use of blood substitutes. 9 numb. l. 27cm. n. p., 1941.

Also in Blood Substitutes (Mudd, S., & Thalhimer, W.) Springf., 1942, 226–34.

Brekenfeld, F. W. Ueber die Wirkung von Blutersatzmitteln. Deut. Militärarzt, 1938, **3**: 52–6.—**Edwards, F. R., & Bailey, H.** Infusion of blood substitutes. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 56–64.—**Fonio, A.** Blutersatz im Felde. Schweiz. med. Wschr., 1943, **73**: 1415.—**Fonseca, L. C.** Transfusão de sangue e substitutos em tempo de guerra. Pub. méd., S. Paulo, 1943–44, **15**: No. 6, 47–72.—**Gatti, C. F. J.** Substitutos de la sangre. Rev. san. mil., B. Air., 1946, **45**: 384–9.—**Herrmann, E.** Bluttransfusion und Blutersatzflüssigkeit im Kriege. Wien. med. Wschr., 1942, **92**: 329.—**Hoche, O.** Blutersatz. Med. Klin., Berl., 1940, **36**: 239.—**Intravenous** therapeutic fluids. U. S. Nav. M. Bull., 1943, **41**: 1166–8.—**Janeway, C. A.** War medicine; with special emphasis on the use of blood substitutes. N. England J. M., 1941, **225**: 371–81. —— **& Oncley, J. L.** Blood substitutes. In: Advance. Mil. Med., Bost., 1948, **1**: 444–61.—**Kendrick, D. B.,** jr. The procurement and use of blood substitutes in the Army. Ann. Surg., 1942, **115**: 1152–9. —— **& Newhouser, L. R.** The use of blood substitutes by the armed forces. Med. Ann. District of Columbia, 1942, **11**: 12–5. —— Blood substitutes in the military service. Mil. Surgeon, 1942, **90**: 306–15. Also Rev. san. mil., B. Air., 1942, **41**: 298–308. —— Blood substitutes; their development and use in the armed services. U. S. Nav. M. Bull., 1942, **40**: 1–13, 4 pl. —— Blood substitutes in the military service. War Med. Sympos., N. Y., 1942, 284–94.—**Massons, J. M.** El problema de la transfusión de sangre y sus sustitutos en la guerra que acaba de finalizar. Farmacoter. actual, Madr., 1945, 2: 629–36.—**Petrov, I. R., & Gugel-Morozova, T. P.** [The treatment of acute loss of blood with infusions of blood replacing fluid] Voen. san. delo. 1942, No. 6, 15–22.—**Petrov, I. R., Veselkin, P. N.** [et al.] [The comparative therapeutic value of the blood- and plasma-substituting fluids of Petrov and Seltsovsky and of serotransfusion] Ibid., 1943, No. 8, 5–13.—**Rostock, P.** Blutstillung und Blutersatz. Deut. Militärarzt, 1940, **5**: 563 (Abstr.)—**Schulz, E.** Bluttransfusion und Blutersatzflüssigkeit im Kriege. Deut. med. Wschr., 1941, **67**: 779–84.—**Stephenson, C. S., Cushing, E. H., & Newhouser, L. R.** The present status of blood substitutes in the United States Navy. In: Blood Substitutes (Mudd, S., & Thalhimer, W.) Springf., 1942, 221–5.—**Tatum, W. L., Elliott, J., & Nesset, N.** A technique for the preparation of a substitute for whole blood adaptable for use during war conditions. Mil. Surgeon, 1939, **85**: 481–9.—**Weese, H.** Blood substitutes. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 55–7.—**Willenegger, H.** Kan erzatsı meselesinin bugünkü durumu (transl.) [... synthetic blood] Askeri vet. mecmuası, 1948, **26**: 127.—**Wood, S.** Blood substitutes in the world emergency. In: Blood Substitutes (Mudd, S., & Thalhimer, W.) Springf., 1942, 396.

—— Material: Substitutes of blood: Dextran.

Aalkjaer, V. Dextran et nyt højmolekylaert, proteinfrit praeparat til infusion ved shock, proteinmangeltilstande og akut anaemi. Ugeskr. laeger, 1949, **111**: 929–33.—**Bohmansson, G.** Kliniska erfarenheter med dextran; dextranets värde som plasma substitut. Nord. med., 1946, **29**: 344. Also transl., Bull. internat. Serv. santé, Liége, 1949, **22**: 1–3. —— **Rosenkvist, H.** [et al.] Clinical experiences with dextran as a plasma substitute. Acta chir. scand., 1946, **94**: 149–67.—**Bull, J. P., Ricketts, C.** [et al.] Dextran as a plasma substitute. Lancet, Lond., 1949, **1**: 134–43.—**Goldenberg, M., Crane, R. D., & Popper, H.** Effect of intravenous administration of dextran, a macromolecular carbohydrate, in animals. Am. J. Clin. Path., 1947, **17**: 939–48.—**Grönwall, A.** Some theoretical aspects on dextran as a blood and plasma substitute. Bull. internat. Serv. santé, Liége, 1949, **22**: 4–7. —— **& Ingelman, B.** Untersuchungen über Dextran und sein Verhalten bei parenteraler Zufuhr. Acta physiol. scand., 1944, **7**: 97–107. —— Dextran as a substitute for plasma. Nature, Lond., 1945, **155**: 45. —— **& Mosimann, H.** A dextran sulphuric acid ester with heparin activity. Upsala läk. fören. förh., 1944–45, **50**: 397–404.—**Hassid, W. Z., & Barker, H. A.** The structure of dextran synthesized from sucrose by Betacoccus arabinosaceus, Orla-Jensen. J. Biol. Chem., 1940, **134**: 163–70.—**Hehre, E. J.** Studies on the enzymatic synthesis of dextran from sucrose. Ibid., 1946, **163**: 221–33.—**Hint, H. C., & Thorsén, G.** A micro method for determination of dextran in blood. Acta chem. scand., 1947, **1**: 808–12.—**Ingelman, B.** Dextran and its use as a plasmasubstitute. Ibid., 731–8. —— Enzymatic breakdown of dextran. Ibid., 1948, **2**: 803–12. —— Investigations on dextran and its application as a plasma substitute. Upsala läk. fören. förh., 1949, **54**: 107–22.—**Jeanes, A., Schieltz, N. C., & Wilham, C. A.** Molecular association in dextran and in branched amylaceous carbohydrates. J. Biol. Chem., 1948, **176**: 617–27, pl.—**Jeanes, A., Wilham, C. A., & Miers, J. C.** Preparation and characterization of dextran from Leuconostoc mesenteroides. Ibid., 603–15.—**Kent, P. W.** Periodate oxidation in the study of the structure of dextrans. Science, 1949, **110**: 689.—**Koster, K. H.** Dextran. Bull. internat. Serv. santé, Liége, 1949, **22**: 7–11.—**Lockwood, A. R., & Swift, G.** Degradation of dextran to produce a plasma substitute. U. S. Patent Off., 1951, No. 2,565,507.—**Pessina, R.** Un nuovo sostituto del plasma per trasfusione, il destrano. Farmaco, Pavia, 1949, **4**: 471–5.—**Renfrew, A. G., & Cretcher, L. H.** Partially hydrolyzed dextran. J. Am. Pharm. Ass., 1949, **38**: 177–9.—**Stacey, M., & Swift, G.** Structure of the dextran synthesised from sucrose by a new strain of Betacoccus arabinosaceus. J. Chem. Soc., Lond., 1948, 1555–9.—**Stacey, M., & Youd, F. R.** A note on the dextran produced from sucrose by Betacoccus arabinosaceus haemolyticus. Biochem. J., Lond., 1938, **32**: 1943–5.—**Thorsén, G.** Dextran; nyare undersökningar över preparatets egenskaper. Nord. med., 1948, **40**: 2374. —— Dextran as a plasma substitute. Lancet., Lond., 1949, **1**: 132–4.—**Turner, F. P., Butler, B. C.** [et al.] Dextran; an experimental plasma substitute. Surg. Gyn. Obst., 1949, **88**: 661–75.—**Whiteside-Carlson, V., & Carlson, W. W.** The vitamin requirements of leuconostoc for dextran synthesis. J. Bact., Balt., 1949, **58**: 135–41. —— Studies of the effect of para-aminobenzoic acid, folic acid, and sulfanilamide on dextran syntheses by leuconostoc. Ibid., 143–9.—**Wilander, O., Thorsén, G.** [et al.] Kliniska erfarenheter med dextran. Nord. med., 1946, **29**: 343.

—— Material: Substitutes of blood: Periston.

Eichler. Toxic effects of periston. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 298; Disc., 301.—**Hecht, G.** Periston. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 112–8. —— **& Weese.** Periston. Ibid., 1944, Item 24, No. X–14 & XII–23, 14. —— Pharmacology and clinical use of periston. Ibid., 1945, Item 24, No. XXV–54, 57–61.—**Weese & Krzikalla.** Periston. Ibid., 55–61.—**Willenegger, H., & Brütsch, H.** Klinischer Beitrag zur Wirkung des Plasmaersatzes Periston. Helvet. chir. acta, 1945, **12**: 296–307.—**Zipf.** The action of periston. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 299–302.

—— Reanimation.

Cosset. Données actuelles sur la transfusion et réanimation aux armées. Tunis. méd., 1948, **36**: 282.—**Julliard.** La réanimation-transfusion dans l'Armée; évolution, sa place dans l'avenir. Bull. Soc. méd. mil. fr., 1946, **40**: 216–24.—**Tzanck, R.** Remarques sur la réanimation-transfusion au bataillon médical. Paris méd., 1945, 164–6.

—— Statistics.

Coggin, C. U., jr. Two thousand tons of blood. Red Cross Courier, 1942–43, **22**: No. 9, 3.—**Curtillet.** La transfusion à l'armée vue par un chirurgien. Réun. méd. chir. Armée fr. [1946?] num. spéc., 21–8.—**Escarrá, E. J. M.** Instituciones armadas y hemoterapia. Rev. san. mil., B. Air., 1943, **42**: 113–6.—[**Italy**] Blood transfusion in the Army. J. Am. M. Ass., 1936, **106**: 309.—**Jame.** La transfusion sanguine aux armées. Strasbourg méd., 1946, **106**: 229.—**Kendrick, D. B.,** jr, **& Newhouser, L. R.** Blood and plasma transfusions in the armed services. Army M. Bull., 1942, No. 60, 41–62.—**Marotte.** La transfusion sanguine aux armées. Rev. internat. Croix Rouge, 1939, **21**: 871–94. Also Avenir méd., Lyon, 1940, **37**: 146–50. Also Deut. Militärarzt, 1940, **5**: 564 (Abstr.) Also Gaz. hôp., 1940, **113**: 333–7.—**Maycock, W. d'A.** Blood transfusion in the B. E. F. Brit. M. J., 1940, **2**: 467.—**Popovian, I. M., & Kotelnikova, N. I.** [Blood transfusion in the army] Voen. san. delo, 1942, No. 8, 35–8.—**Renkonen, K. O.** Puolustusvoimain veripalvelu. Arb. Serobakt. Inst. Univ. Helsinki (1946) 1947, **15**: No. 265, 1–7.—**Widström, G., Wilander, O.** [et al.] Synpunkter på infusion och transfusion särskilt med hänsyn till militära förhållanden. Nord. med., 1942, **13**: 231.

—— Technic.

Browne, J. C. McC. A simple method of serum transfusion in the field. Brit. M. J., 1943, **1**: 384.—**De Arruda Camargo, R. B.** Simplifiquemos a transfusão sanguínea. Rev. med. mil., Rio, 1943, **32**: 245–60.—**Dyke, S. C., Bailey, H.** [et al.] Transfusion and infusion. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 26–52.—**Edip Beker.** Sternum yolu ile kan nakli. Askeri sihhiye mecmuasi, 1944, **73**: No. 42, 10–3.—**Guskar.** Uebertragung unveränderten Blutes ohne Apparat. Deut. Militärarzt, 1938, **3**: 153–6.—**Helnrich, A.** Technik und Wert der intrasternalen Injektionsmethode. Bull. War M., Lond., 1942–43, **3**: 329 (Abstr.)—**Hoche, O.** Die gebräuchlichsten Methoden der Blutübertragung. Med. Klin., Berl., 1940, **36**: 265.—**Kassirsky, I. A.** [Blood transfusion into the bone marrow] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 292–4.—**Korobkov, K. I., Menchel, B. N., & Frankfurt, S. S.** [Administration of preserved blood in the drop enema] Voen. san. delo, 1942, No. 7, 73–5.—**Kovács, E.** Az exsanguino-transfusió. Honvédorvos, 1951, **3**: 515–21.—**Kucidl, A. V.** [The technic of blood transfusion] Feldsher, Moskva, 1943, 28–30.—**Marques Pôrto, E.** Novos métodos de colheita e de transfusão de sangue na guerra atual. Rev. méd. cir. Brasil, 1944, **52**: 403; 649.—**Method** for emergency blood transfusion devised in Russia. U. S. Nav. M. Bull., 1941, **39**: 569.—**Mikeladze, S. J.** [The methods of blood transfusion] Voen. san. delo, 1942, No. 10, 23–8.—**Petrovszkij, B. V.** Vér és vérpótló oldatok csepptransfusiója. Honvédorvos, 1950, **2**: 106, illust.—**Prijma, G. J., & Iszájev, J. K.** Az intrakardiális vérátömlesztésről. Ibid., 527 (Abstr.)—**Rudder, F. F.** The value of repeated small direct blood transfusions and a simplified method therefor. Mil. Surgeon, 1938, **83**: 79–83.—**Schnelerson, S. J.** Simplified method for indirect blood transfusions. U. S. Nav. M. Bull., 1944, **43**: 766–70.—**Staveley, J. M.** Blood transfusion in the Army; its application to civil practice. N. Zealand M. J., 1946, **45**: 358–60.—**Stone, D. H.** Femoral transfusion in shock. Bull. U. S. Army M. Dep., 1947, **7**: 492.—**Tramsen, H.** [New methods for blood-transfusion at the front] Militaerlaegen, 1941, **47**: 1–14.—**Willcutts, M. D., & Hicks, R. A.** An improved method for the administration of human plasma and whole blood. U. S. Nav. M. Bull., 1943, **41**: 213–6.

—— in war.

Aleksandrowicz, J. [Blood transfusion during war] Polska gaz. lek., 1939, **18**: 576.—**Alsever, J. B.** Blood; war to peace. Mil. Surgeon, 1946, **98**: 219–21.—**Altnkov, P.** Krvoprelivaneto vv voenno vreme. Voen. san. delo, Sofia, 1947, **2**: 114–21.—**American** vans for blood transfusion [England] J. Am. M. Ass., 1940, **115**: 2014.—**Blood** transfusion during war. Ibid., 1939, **112**: 1089.—**Blood** transfusion during the war (France) Ibid., **113**: 1822.—**Corelli, F.** La trasfusione di sangue in tempo di guerra. Athena, Roma, 1939, **8**: 433–6.—**Dogliotti, A. M.** La trasfusione di sangue in guerra. Gior. med. mil., 1940, **88**: 696.—**Dow, J. F., & Teare, H. D.** Some problems of war-time blood transfusion. Med. Press & Circ., Lond., 1943, **209**: 93–5.—**Dumas, O. R., & Gatti, F. J.** La transfusión en la guerra. Rev. san. mil., B. Air., 1944, **43**: 824–8.—**Gatti, C. F. J.** La transfusión en la paz y en la guerra. Rev. san. mil. argent., 1947, **46**: 125; 333; 531.—**Gosset, A., Lévy-Solal, E., & Tzanck, A.** La transfusion sanguine en temps de guerre. Bull. Acad. méd., Par., 1939, 3. sér., **121**: 166–76.—**Lattes, L.** Sulla trasfusione sanguigna in tempo di guerra. Rev. sudamer. endocr., B. Air., 1939, **22**: 757–64. Also Resenha clin. cient., S. Paulo, 1942, **11**: 417–22.—**Lenormant.** Sur la transfusion sanguine en temps de guerre. Bull. Acad. méd., Par., 1939, 3. sér., **121**: 268.—**Magliulo, A.** Die Bluttransfusion im modernen Krieg. Chirurg, 1940, **12**: 5–12.—**Maisonnet, P. J. F. R., Jeanneney, G. A. V. P.** [et al.] La transfusion du sang en temps de guerre. Rev. Serv. san. mil., Par., 1939, **111**: 927–50.—**Marques Porto, E.** Transfusão de sangue e de plasma sanguíneo em cirurgia de guerra. Rev. med. cir. Brasil, 1942, **50**: No. espec., 120–40.—**Ravenna, P.** Brevi osservazioni sulle trasfusioni di sangue in guerra. Minerva med., Tor., 1938, **29**: pt 1, 622–4.—**Rietz, T.** [Blood transfusion during war] Militærlægen, 1937, **43**: 421–9.—**Schrumpf, A.** [Blood transfusion during war] Ibid., 406–20.—**Schulz, E.** Bluttransfusion und Blutersatzflüssigkeit im Kriege. Schweiz. med. Wschr., 1942, **72**: 26 (Abstr.)—**Sköld, E.** Infusion och transfusion i krig. In: Handledn. & Försvarsmed., Stockh., 1940, **1**: 196–204.—**Spath, F.** Die Bedeutung der Bluttransfusion im Kriege. Deut. Aerztebl., 1940, **70**: 256–8. Also in Kriegschir. Ratgeber, Berl., 1941, 58–70.—**Torraca, L.** La trasfusione del sangue in pace e in guerra. Zbl. ges. Hyg., 1943, **51**: 30–2 (Abstr.)—**Transfusion** and war. J. R. Army M. Corps, 1942, **78**: 281.—**Transfusões** (As) de sangue na guerra. Impr. med., Rio, 1942, **18**: No. 342, 127.—**Unonius, E., & Schröder, I.** Erfarenheter rörande blodgivare och blodtransfusion i krig. Nord. med., 1941, **10**: 1046–55.—**Whitby, L.** Transfusion in peace and war. Lancet, Lond., 1945, **1**: 1–4. Also transl., Día méd., B. Air., 1945, **17**: 866–70.

BLOOD transfusion service.

Army Blood Transfusion Service [Great Britain] J. Am. M. Ass., 1939, **113**: 2435. Also Brit. M. J., 1940, **1**: 327; 1943, **1**: 610. Also J. Am. M. Ass., 1943, **122**: 1199; 1943, **123**: 580.—**Blécourt, J. J. de.** De bloedtransfusiediensten in het buitenland na de tweede wereldoorlog. Ned. tschr. geneesk., 1947, **91**: 2480.—**Duarte da Cunha, B.** Estágio em serviços de transfusão de sangue na Grã-Bretanha. Impr. méd., Rio, 1944–45, **20**: No. 369, 76–81.—**Faria, R.** O serviço de transfusão de sangue em tempo de guerra. An. paul. med. cir., 1943, **45**: 136 (Abstr.)—**H., N. K.** The Army Blood Transfusion Service. Nurs. Times, Lond., 1940, **36**: 223; 256.—**Levantovsky, M. I.** Opasnosti i oslozhneniia pri perelivanii krovi. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 142–7.—**Martin, R. N.** The blood transfusion service. In: Interallied Conf. War Med. (1942–45) 1947, 446–50.—**Pereira Maçãs Fernandes, A.** Relatório sobre os elementos colhidos na visita de estudo ao Army Blood Transfusion Service, Inglaterra. Bol. Dir. serv. saúde mil., 1945, **8**: 73–111.—**Pešek, J.** Transfuse krve v SSSR. Voj. zdrav. listy, 1949, **18**: 82–94.—**Rainsford, S. G.** The Royal Naval Blood Transfusion Service, 1939–45. J. R. Nav. M. Serv., 1949, **35**: 155–86.—**Ringenbach, G., & Mandillon, G.** Transfusion sanguine et bombardements aériens. Bull. Acad. méd., Par., 1943, **127**: 476.—**Smith, H. L.** Air Raid Protection blood transfusions service. Canad. J. M. Techn., 1942–43, **4**: 163–6.—**Spaander, J.** Dutch blood-transfusion service during the German occupation. Lancet, Lond., 1947, **1**: 494.—**Synder, H. E.** Blood transfusion service. Bull. U. S. Army M. Dep., 1946, **6**: 646–9.—**Whitby, L. E. H.** The British Army Blood Transfusion Service. J. Am. M. Ass., 1944, **124**: 421–4.—**Wilander, O.** Beredning samt förvaring av blod och plasma för transfusionsändamål. Tskr. mil. hälsov., 1944, **68**: Suppl., 94–100.

—— Center.

See also **Blood bank.**

DeKleine, W. Blood plasma reservoir now being established. Surg. Business, 1941, **4**: No. 8, 12.—**Duran Jorda, F.** The Barcelona blood-transfusion service. Lancet, Lond., 1939, **1**: 773–5. Also Cath. M. Guard., Lond., 1939–40, **17**: 274–7.—**Kalich, D.** Rod zavoda za transfuziu krvi u Beogradu. Voj. san. pregl., Beogr., 1944, **1**: No. 2, 15–7.—**Laffont, A.** Le Centre de Transfusion de la Défense Passive d'Alger. Bull. san. Algérie, 1939, **34**: 331–5.—**Pasteur Vallery-Radot.** Un prototype, le Centre de transfusion-réanimation de l'Armée. Paris méd., 1949, **39**: No. 16, p. i–iv.—**Romero Alvarez, A. M.** La Sección Hemoterapia del Instituto médico naval. Día méd., B. Air., 1949, **21**: 20–2.—**Royal** (At a) Navy blood transfusion centre; saving life and limb behind the convoys [Illust.] Nurs. Times, Lond., 1943, **39**: 23.—**Soviet** blood transfusion institutes' conference. J. R. Army M. Corps, 1943, **80**: 217.—**Stelmashonok, I. M.** Opyt raboty Instituta perelivaniia krovi vo vremia boevykh deistvii. Voen. san. delo, 1940, No. 8, 26–31.—**Zoroza, F., & Tognettl, P.** Central de vacio para grandes extracciones de sangre. Rev. san. mil., B. Air., 1944, **43**: 1033.

—— field.

See also **Desert warfare.**

BATAILLE, R. *Essais, réflexions et considérations sur l'emploi de la transfusion sanguine dans un poste sanitaire divisionnaire. 65p. 25cm. Nancy, 1939.

DURAN-JORDA, F. The service of blood transfusion at the front. 20p. 18½cm. Barcel., 1938.

Administering plasma in a foxhole. Bull. U. S. Army M. Dep., 1944, No. 72, 21.—**Bagdasarov, A. A., & Selcovsky, P. L.** [Au sujet des transfusions du sang dans le rayon des armées] Khirurgia, Moskva, 1940, No. 4, 31–5.—**Banaitis, S. I.** [Organization of blood transfusion at the front] Voen. san. delo, 1943, No. 11, 6–13.—**Dulcin, M.** Stanciia perelivaniia krovi. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 293–6.—**Franzani, O. F.** Transfusion de sangre en los ejércitos en lucha; estado actual de la cuestión. Rev. san. mil., B. Air., 1939, **38**: 775–80.—**Lumb, G.** Blood transfusion service; forward units in North Africa. In: Interallied Conf. War Med. (1942–45) 1947, 203.—**Poliakova** [Blood transfusion and the rôle of the nurse and feldsher] Feldsher, Moskva, 1940, No. 5, 25–9.—**Powles, C. P.** Blood transfusion service in the battle zone. N. Zealand M. J., 1943, **42**: 179.—**Senko, V.** [Organization of blood transfusion in the regimental area during defensive operations] Voen. san. delo. 1943, 72.—**Transfusion** for the journey. Bull. Army M. Dep., Lond., 1943, No. 29, 6–8.—**Whitby, L.** Blood transfusion in the field; organization of supplies. In: Interallied Conf. War Med. (1942–45) 1947, 183–6.—**Zalesskaia** [Blood transfusion in the medical-sanitary battalion] Med. sestra, Moskva, 1944, No. 3, 27.—**Zuckerman, M. A.** [Blood transfusion in the regimental and army zones] Voen. san. delo, 1943, No. 5, 48.

—— hospital.

UNITED STATES. CIVILIAN DEFENSE OFFICE. MEDICAL DIVISION. Publication No. 2220: The operation of a hospital transfusion service. 90p. 23cm. Wash., 1944.

Berezov, E. L., Korolev, B. A., & Nechaev, E. N. O pokazaniiakh k perelivaniiu krovi v tylovykh evakohospitaliakh. In: Vopr. pereliv. krovi, Gorky, 1944, 140–53.—

Cimhes, I. L. Perelivanie krovi v evakohospitaliakh VCSPS za chetyre goda Velikoi otechestvennoi voiny. In: Vopr. khir. voiny (Gorsky gosud. med. inst.) Gorky, 1946, 148–56.—**Corelli, F.** Il Centro di trasfusione dell'Ospedale Militare (Celio) di Roma. Policlinico, 1944, **51:** sez. prat., 618–20.—**Edwards, J. E.** A system for an efficient transfusion service in the Army General Hospital. Med. Bull. U. S. Chief Surg., Europ. Theater, 1945, No. 30, 6–11.—**Ellis, F. P.** A description of the blood transfusion and resuscitation unit, 64th General Hospital. J. R. Nav. M. Serv., 1942, **28:** 136–44.—**Ginsberg, V.** Experiences of a transfusion officer with 2,000 transfusions in an Army general hospital. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3:** 42–5.—**Hess, I. W., & Sutton, R. L.** Use of whole blood in a field hospital. Bull. U. S. Army M. Dep., 1946, **5:** 325–7.—**Korabelnik, B. K., & Budarina, E. M.** Perelivanie krovi v periferiinom evakohospitale. In: Vopr. pereliv. krovi, Gorky, 1944, 340.—**Kravchenko, P. V.** Perelivanie krovi v tylovom evakohospitale. Ibid., 327–31.—**Margolis, G., & Trobaugh, F. E., jr.** Transfusion service in an Army hospital in Europe. Med. Bull. U. S. Chief Surg., Europ. Theater, 1947, 2: No. 3, 55–8.—**Nikolaeva, V. I., Moskaleva, V. P., & Shmerkovich, D.** Perelivanie krovi v N-skom evakohospitale. In: Sborn. nauch. rabot N-sky evakhosp. (Dikovicky, A. A.) Gorky, 1943, 57–66.—**Rafalkes, S. B.** Opyt organizacii i raboty punkta perelivaniia krovi v periferiinom hospitale. In: Vopr. pereliv. krovi, Gorky, 1944, 336–9.—**Shitova, V. I., & Radushkevich, V. P.** [Blood transfusion in the treatment of war injuries and their complications in hospitals of the interior] Khirurgia, Moskva, 1943, No. 7, 24–7.

—— Logistics.

Baehr, G. Emergency distribution of blood plasma. Operat. Letter U. S. Off. Civ. Defense, 1943, No. 27, 1.—**Blake, H. S.** Delivery of whole blood to theaters of operations. Bumed News Lett., Wash., 1944, **4:** No. 10, 11.—**Boyd, J. S. K.** Blood transfusion service; supply problems in an overseas base. In: Interallied Conf. War Med. (1942–45) 1947, 205–7.—**Daily** shipments of whole blood to Europe. Bull. U. S. Army M. Dep., 1944, No. 83, 2.—**Kendrick, D. B., jr, Elliott, J.** [et al.] Supply of preserved blood to European Theater of operations; a preliminary report. Ibid., 1945, No. 84, 66–73.—**Mason, J. B.** The role of ADSEC in the supply of whole blood to the Twelfth Army Group. Mil. Surgeon, 1948, **103:** 9–14.—**Organization** of blood supply in the Soviet Army. Mil. Rev., Fort Leavenw., 1944, **24:** No. 2, 73.—**Shainmark, A. C.** The supply of whole blood to forward mobile medical field units of the Ninth U. S. Army. Mil. Surgeon, 1948, **103:** 14–6.—**Supply** of blood to the Eighth Army. Bull. Army M. Dep., Lond., 1943, No. 19, 9.—**Watkins, G. L.** Method for individual transportation of plasma in the field. U. S. Nav. M. Bull., 1944, **43:** 1038–40.

—— naval.

See also **Blood bank.**

Barroso, G. Considerações sobre a transfusão de sangue na guerra naval. Arq. brasil. med. nav., 1942, **3:** 939–48, 2 pl.—**Ellis, F. P.** Blood transfusion as a naval problem. J. R. Nav. M. Serv., 1946, **32:** 178–85.—**Steffan, P.** Die Blutübertragung in der Kriegsmarine. Veröff. Marine San., 1936, Hft. 28, 5–40 .

—— Organization.

See also **Blood donor.**

Dame, J. *Organisation de la transfusion sanguine; dans un secteur départemental hospitalier de la zone des armées. 39p. 25½cm. Lyon, 1939.

Albertini, A. v. Der Blutspendedienst des Schweizerischen Roten Kreuzes. Militärsanität, Zür., 1948, **30:** 43; 51.—**Arutiunov, A. I., & Meshman, F. D.** [Organization of the transfusion service in the army and regimental zones] Voen. san. delo, 1942, No. 6, 23–5.—**Bagdasarov.** La transfusión de sangre en la U. S. S. R. Rev. san. mil., B. Air., 1943, **42:** 81–6.—**Bendarzewski, S.** Organizacja przetaczania krwi na froncie wschodnim podczas ostatniej wojny. Polski tygod. lek., 1949, **4:** 760–4.—**Beudin.** Organisation et fonctionnement des services de transfusion à l'Armée belge. Arch. Serv. san. Armée belge, 1947, **100:** 251–6.—**Brown, G. S.** Blood lines of fighting men. South. Pharm. J., 1941–42, **34:** No. 2, 18.—**DeGowin, E. L., & Hardin, R. C.** A plan for collection, transportation and administration of whole blood and of plasma in warfare. War Med., Chic., 1941, **1:** 326–41.—**Derchinsky, G. D.** Organizaciia sluzhby perelivaniia krovi v deistvuiushchei armii. Voen. san. delo, 1940, No. 8, 32–4.—**Dowling, G. B.** The Red Cross blood program. Mil. Surgeon, 1948, **103:** 94–6.—**Doyle, J. B.** Civilian needs for whole-blood transfusion. N. England J. M., 1944, **231:** 567.—**Duarte da Cunha, B.** Em serviços de transfusão de sangue na Grã-Bretanha. Rev. med. mil., Rio, 1945, **34:** 7–17.—**Edwards, J. E.** A system for an efficient transfusion service. Bull. U. S. Army M. Dep., 1945, **4:** 481–5.—**Ekrem Kavur** [Organization of transfusions of citrated blood in the army] Askeri sihhiye mecmuasi, 1939, **68:** 57–62.—**Farla, R.** Considerações sobre a organização dos serviços de transfusão de sangue. Rev. med. mil., Rio, 1947, **36:** 175–93.—**García Oliver, J.** La transfusión sanguínea en la guerra; relaciones entre la organización civil y militar; indicaciones principales de tan importante terapéutica. Rev. san. mil., B. Air., 1943, **42:** 728–35.—**Giacardy, P.** La campagne du sang dans lc Sud-Ouest en 1939–1940; perspectives d'après-guerre. Sud. méd. chir., 1945, **77:** 449.—**Heap, B. M.** Blood transfusion service; organization and results at a home base. In: Interallied Conf. War Med. (1942–45) 1947, 209–12.—**Henri, G.** L'organisation de la transfusion sanguine en temps de guerre. Presse méd., 1938, **46:** 1230.—**Hoekstra, R. A.** De bloedtransfusiediensten in het buitenland na de tweede wereldoorlog. Ned. tschr. geneesk., 1947, **91:** 2219–4.—**Jegorov, A.** Sur l'organisation du service de transfusion sanguine dans l'armée. Tr. Inst. hyg. pub. état Tchecosl., 1937, **8:** 144–8.—**Julliard, J., Konqui & Dutasta.** Organisation du centre de transfusion sanguine du Maroc. Rev. Corps san. milit., 1945, **1:** 355–77.—**Levittoux, H.** O organizacji przetaczania krwi podczas wojny. Lek. wojsk., 1933, **21:** 385–91.—**Moureau, P.** L'organisation des services de transfusion sanguine en temps de guerre. Protect. pop. civ., Par., 1938, **1:** 277–87.—**Pereira Maçãs Fernandes, A.** Organização de um serviço de transfusão de sangue. Bol. Dir. serv. saúde mil., 1941, **4:** 42–58.—**Plasma** transfusion aboard ship saves Kearny crew member's life. J. Nat. M. Ass., N. Y., 1942, **34:** 44.—**Red** Cross blood collections to go on nation-wide basis at request of Army and Navy. Illinois M. J., 1941, **80:** 449.—**Seedorff, J.** [Organization of blood transfusions during war] Militærlægen, 1937, **43:** 181; 430.—**Taylor, E. S.** Procurement of blood for the armed forces. J. Am. M. Ass., 1942, **120:** 119–23.—**Taylor, K. P. A.** Factors in efficient mass blood procurement. U. S. Nav. M. Bull., 1944, **43:** 25–31.—**Tellegen, A. O. H.** [Experiences in organization of blood transfusion service during the war] Ned. tschr. geneesk., 1940, **84:** 2528–37.—**Uribe Guerola, E.** Los comités de la defensa civil y la transfusión de sangre. Rev. mex. cir., 1943, **11:** 357–61.—**Whitby, L.** Blood transfusion service; organization and results in 21. Army Group. In: Interallied Conf. War Med. (1942–45) 1947, 208.—**Zalewski, F.** [Organization of blood transfusions in military hospitals] Lek. wojsk. 1937, **29:** 107–12.

BLOOD typing.

See **Blood grouping.**

BLOOD vessels.

See such headings in this section as **Disease**—by organs: Cardiovascular system; **Injury**—by organs; **Surgical technic,** Cardiovascular system; **Wound**—by organs.

BOARD.

See **Committee; Epidemic,** Control; **Rehabilitation Board,** etc.

BODY armor.

See also **Ballistic impact; Clothing; Injury,** Control.

Greenberg, R. J. An evaluation of body armor for flying personnel; a medical evaluation report AAF–AS–M43. 13p. 27cm. Randolph Field, Tex., 1946.

Forms Rep. No. 2, Proj. No. 467, U. S. Air Force School Aviat. M.

Margolis, S. I., & Shelesnyak, M. C. Design of armor jacket for aviation personnel. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 4, Res. Proj. X-227, U. S. Nav. M. Res. Inst.

—— Design and evaluation of an armored standard Navy life jacket. 10p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3, Res. Proj. X-227, U. S. Nav. M. Res. Inst.

—— & Draeger, R. H. Effectiveness and practicability of body armor in preventing injuries from bullets and other missiles. 18p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X-227, U. S. Nav. M. Res. Inst.

Tillett, C. W., III, Banfield, W. G., jr, & Herget, C. M. The effect of a non-perforating projectile on the animal body protected by steel armor. 33p. illust. 27cm. Army Chem. Cent., Md, 1949.

Forms Rep. No. 228, Med. Div. Chem. Corps U. S. Army.

Tillett, C. W., III, Herget, C. M., & Odell, F. A. Preliminary study on body armor protec-

tion from wounding. 27p. 27cm. Army Chem. Center, Md, 1948.
Forms Rep. No. 165 Med. Div. Chem. Corps U. S. Army.

Armor in modern warfare. J. Am. M. Ass., 1940, **115**: 1725.—**Armored** vests for American airmen. Ibid., 1943, **122**: 1262.—**Body** armor. Milit. Rep., Wash., 1943, No. 6, 40. Also Bull. U. S. Army M. Dep., 1944, No. 80, 12. Also Bumed News Lett., Wash., 1944, **4**: No. 11, 4.—**Body** armor in the AAF. Air Surgeon's Bull., 1944, **1**: No. 8, 9.—**Body** protection of the soldier. Connecticut M. J., 1940, 4: 621.—**Curwen, M. D.** The protection of the soldier. Cath. M. Guard., Lond., 1939–40, **17**: 231–3.—**Dean, B.** Helmets and body armor; the medical viewpoint. In: Med. Dep. U. S. Army in the World War. Wash., 1927, **11**: pt 1, 1–8.—**Design** of armor jacket for aviation personnel. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 13.—**Design** and construction of a nylon armored suit for protection of tuze stripping personnel of the Bureau of Ordnance. Ibid., 14.—**Development** of body armor, helmets and armored clothing. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 259.—**Effectiveness** of weapons and the possibility of body armor. Health (U. S. War Dep. Surg. Gen. Off.) 1945, May, 2–7.—**Grow, M. C.** The use of body armor in aviation during wartime. J. Aviat. M., 1946, **17**: 500–3. ——— & **Lyons, R. C.** Body armor; a brief study on the development. Air Surgeon's Bull., 1945, **2**: 8–10.—**Prevention** (The) of war wounds by armor. U. S. Nav. M. Bull., 1941, **39**: 417.—**Protection** of the soldier in warfare. J. Am. M. Ass., 1940, **115**: 626.—**Soldiers** in armor. Ibid., 1942, **118**: 833.—**Suit** of armor for silver winged airmen. Ibid., 1944, **125**: 215.—**Temkin, H.** A suggested method of obtaining personal protection in the field. J. R. Army M. Corps, 1940, **75**: 265.—**Walker, K.** The role of light armour in modern warfare. Brit. M. J., 1940, **1**: 992. ——— Light armour in modern warfare. Ibid., 1940, **2**: 132.—**Webster, A. P.** Development of body armor. Hosp. Corps Q., 1945, **18**: No. 10, 31–3.

BOER War.

See under **Wars and campaigns.**

BOLIVIA.

For references on this country see the following headings of Military Section: **Hospital report; Medical service; Morbidity; Surgery; Venereal diseases; Wars and campaigns.**

BOMBARDIER.

See also **Bomber crew.**

Benton, R. S. Tailors' dimensions and head and face measurements of very heavy bombardment personnel. 7 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-695-32XX, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Brown, J. S., Buel, J., & Melton, A. W. Development and evaluation of the S. A. M. visual coincidence reaction test, Model B (CP613B) 11p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 78, U. S. Air Force School Aviat. M.

Bombardier. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 16, 171–90.—**Combat** validation, bombardiers. Ibid., No. 17, 24–54.—**History,** organization, and research activities, Psychological Research Project (Bombardier) Army Air Forces. Am. Psychologist, 1946, **1**: 385–92.—**Melton, A. W.** Special research projects; selection of bombardiers. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 4, 935–44.—**Popov, A. P.** K voprosu o vliianii poletov na pikiruiushchikh bombardirovshchikakh na organizm letchika. Voen. san. delo, 1941, No. 1, 40–3.

BOMBARDMENT.

See also **Air raid; Casualty; Injury**—by weapon.

Tarnowski, M. Działanie bomb lotniczych. 119p. 8° Warszawa, 1935.

Battino, R. La place du bombardement aérien dans la guerre totale. Protect. pop. civ., Par., 1938, **1**: 291–307.—**Darnall, J. R.** Buzz-bomb assaults on London. Mil. Surgeon, 1947, **100**: 463–74.—**Debrabant, H.** L'aviation de bombardement et l'aviation de transport. Méd. aéronaut., 1948, **3**: 100; 167.—**Eells, R.** Strategic bombing photographs. Q. J. Curr. Acq. Libr. Congr., 1947–48, **5**: 9–11, 2 pl.—**Garwood, F.** The variance of the overlap of geometrical figures with reference to a bombing problem. Biometrika, Cambr., 1947, **34**: 1–17.—**Gómez, C. A.** Los bombardeos aereos. Rev. mil., B. Air., 1938, **38**: pt 1, 1565–8.—**Gray, G. W.** Bombs. In his Science at War, 3. ed., N. Y., 1943, 78–81.—**Palla, F.** Fliegerbomben und deren Wirkungen. Zschr. Gewerbehyg., 1934, **41**: Fabriksfeuerw., 44.—**Pons Bedoya, A.** Determinación del número de bombas necesario y suficiente para combatir un objetivo; bombardeo a media altura, de ataque y en picada. Rev. mil., B. Air., 1942, **42**: pt 2, 303–33.—**Quero Molares, J.** Le bombardement des villes ouvertes. Protect. pop. civ., Par., 1938, **1**: 71–100.—**Riad Bey, A. M.** L'interdiction du bombardement aérien. Ibid., 64–70.—**Swan, G. S.** A history of the rescue and after-care of 2 cases after 4 days' burial. Australas. Nurs. J., 1941, **39**: 227.—**Thurnwald, H.** Bombenschäden und Wohnungswechsel. In her Gegenwartsprobl. Berl. Famil., Berl., 1948, 38–40.—**Young, J. L.** 2,000 R. A. F. major bombing raids, during 774 nights. Bull. from Britain, 1942, No. 105, 17.

—— atomic.

See **Atomic bomb.**

—— Biological effect.

See also **Injury**—by weapon.

United States. Strategic Bombing Survey. The effect of bombing on health and medical care in Germany. 388p. 27cm. Wash., 1945. Also 2. ed. 388p. 26cm. Wash., 1947.

—— The effects of bombing on health and medical services in Japan. 253p. 26½cm. Wash., 1947.

Alliez, J., & **Charpin, J.** Guerre et troubles mentaux; peut-on parler de psychoses du bombardement? Marseille méd., 1945, **82**: 141–4.—**Alotin, A.** [Lessons learned from the bombardment of Tel-Aviv] Harefuah, Tel Aviv, 1941, **20**: 35–8.—**Bauer, F. K.** The sick rate. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 108–12.—**Beck, D. J.** De prophylaxis en therapie van paniekreacties bij luchtbombardementen. Ned. tschr. geneesk., 1944, **88**: 341–3.—**Berg, C.** Bombs and shelters; the phantasies and not the facts frightened the young soldier. In his War in the Mind, 2. ed., Lond., 1944, 181–7.—**Effect** (The) of bombing on health and medical care in Germany. Pharm. J., Lond., 1946, **102**: 54.—**Effects** of strategic bombing on Germany's health. Bull. U. S. Army M. Dep., 1946, **5**: 277–9.—**Enloe, C. F.** The effects of bombing in Germany. Ibid., **6**: 347–51.—**Lowdell, D. P.** Bombing and health. J. Am. M. Ass., 1946, **131**: 857.—**Psychology** and high explosive (flying bomb) Med. Press & Circ., Lond., 1944, **212**: 33.—**Ranson, S. W.** Effects of heavy aerial bombardment on prisoners of war. Am. J. Psychiat., 1945–46, **102**: 647–9.

BOMBER.

See also **Air ambulance; Aircraft,** Comfort.

Goldie. Visibility from turrets. Gr. Britain Flying Pers. Res. Com., 1942, No. 434, 8.—**Lawrence, J. H., Tobias, C. R.** [et al.] A study of aero medical problems in a liberator bomber at high altitude. J. Aviat. M., 1945, **16**: 286–310.

—— B-29.

Glenn, C. R. Medical aspects of the B-29. Med. Ann. District of Columbia, 1944, **13**: 472.—**Grant, D. N. W.** Medical aspects of pressurized aircraft. J. Indiana M. Ass., 1944, **37**: 579–83.—**Green, D. M.** Aero medical aspects of the B-29. Air Surgeon's Bull., 1944, **1**: No. 12, 16–8.—**Medical** problems of the B-29. Bull. U. S. Army M. Dep., 1944, No. 79, 20.—**Notes** from the Air Surgeon's Office; comments on the B-29 J. Aviat. M., 1944, **15**: 349.

BOMBER crew.

See also **Aircrew; Bombardier.**

Bartlett, F. C., Horn, V., & Mackworth, N. H. The synthetic training of pathfinder air bombers in visual centring on target indicators. 28 l. 29½cm. Lond., 1945.
Forms F. P. R. C. No. 423w, Gr. Britain Flying Pers. Res. Com.

Reid, D. D. The significance of sickness in operational bomber crews. 12 l. 33cm. Lond., 1947.
Forms F. P. R. C. No. 672, Gr. Britain Flying Pers. Res. Com.

Henschke, U. [et al.] Selection and training of operators of remote controlled bombs and guns. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 43.—**Williams, D.** Research in bomber squadrons. Brit. M. Bull., 1947, **5**: 40.

BOMBING mission.

Glavis, L. R., jr. Bombing mission number fifteen. J. Abnorm. Psychol., 1946, **41**: 189–98.

BONE bank.

See also **Orthopedics; Surgical technic,** Bones and joint.

Reynolds, F. C., & Oliver, D. A clinical evaluation of the merthiolate bone bank; a preliminary report. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 6, 45.—**Sierra Rojas, L., & Estrada Sánchez, F.** Banco de hueso del Hospital central militar. Bol. san. mil., Méx., 1949, 2: 595–605. Also transl., Bull. internat. Serv. santé, Liége, 1949, 22: 207–17.

BONE injury.

See **Fracture; Injury**—by organs.

BONE surgery.

See **Fracture; Orthopedics; Surgery,** traumatic; **Surgical technic.**

BOOT.

See also **Clothing; Foot; Shoe.**

YAGLOU, C. P. Improvements in combat boot design. 8p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X-279, U. S. Nav. M. Res. Inst.

Bailey, K. V. Modification of the regulation army steel helmet and boots. J. R. Army M. Corps, 1940, 75: 160–71.—**Boyers, L. M.** Acute traumatic tenositis of the tendon calcaneus due to military boots. Mil. Surgeon, 1946, 98: 500.—**Improvements** in combat boot design. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 17.—**Koeppel.** Bericht über durchgeführte Versuche an schwachfüssigen Soldaten im Standort Zweibrücken (Pfalz) Vorschlag zur Verbesserung des Soldatenstiefels. Deut. Militärarzt, 1938, 3: 211–4.—**Melville, C. H.** Boots. J. R. Army M. Corps, 1912, 19: 68–76.—**Special** boots for soldiers. Bull. Army M. Dir., Lond., 1941, No. 4, 2.

BOOT leather.

Forrester, H. W. Boot leather: with special reference to the tropics. J. R. Army M. Corps, 1935, 64: 184–6.

BORNEO.

See under **World War II.**

BORODINO battle (1812)

See under **Wars and campaigns.**

BOUGAINVILLE.

See under **World War II.**

BOXER rebellion (1900)

See under **Wars and Campaigns.**

BRACE.

See also **Orthopedics; Shoe.**

Knudson, A. B. C. Braces in the rehabilitation of veterans. OALMA J., Wash., 1947–48, 2: 11–7.—**Modified** ring for ischial weight-bearing brace. Bull. U. S. Army M. Dep., 1945, 4: 155.—New spring drop foot brace. Ibid., 639.—**Surgical** braces. Res. Program U. S. Army Med. Res. Bd, 1947, July 3.—**Thiemeyer, J. S.,** jr. Construction of braces in the field. U. S. Nav. M. Bull., 1944, 43: 372.

BRAIN.

See **Disease; Injury**—by organs; **Neurology; Neuropsychiatric examination; Neurosurgery,** Methods: Brain.

BRAIN surgery.

See **Neurosurgery.**

BRAUNSCHWEIG invasion (1792)

See under **Wars and campaigns.**

BRAZIL.

For references on this country see the following headings of Military Section: **Air Force Medical Service; Dental care; Dental service; Hospital report; Medical Corps; Medical examination; Medical service; Military medicine; Morbidity; Neuropsychiatric examination; Nurse; Nursing service; Nutrition service; Pharmacy; Psychiatry; Recruiting; Reserve officer; Tuberculosis; Venereal diseases; Veterinary Corps; Veterinary Service; Wars and campaigns; World War II.**

BREAD.

Boyer, J. Biscuits de soldats, pains de guerre et biscottes pour prisonniers. Nature, Par., 1945, 76–9.—**Bread** deterioration. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 365. Also Activit. Rep. U. S. Quartermast. Food & Cont. Inst., 1949, 2: 252–4.—**Ermolaev, M.** O tiaguchei bolezni khleba. Voen. san. delo, 1941, No. 4, 73.—**Hengst, M.** Soldatenbrod. Kampf d. Karies, 1936, 1: 18–20.—**Horrocks, W.** The bread of the nation. J. R. Army M. Corps, 1941, 76: 111–4.—**Maurizio, A.** Histoire du pain de soldat et du pain de guerre. In his Hist. aliment. végét., Par., 1932, 557–68.—**New** cereals for Army. Science News Lett., 1943, 43: 340.—**Vlasov, A.** Opyt sanitarnoi kharakteristiki muki i khleba po dannym laboratornykh issledovanii. Voen. san. delo, 1940, No. 4, 46–50.

BREATHING regulator.

See **Aircraft,** Oxygen installation; **Oxygen mask.**

BREMEN.

See **World War II.**

BRIGADE.

See also **Medical battalion.**

Boaz, J. J. Tactics of the medical service with independent brigade. Mil. Surgeon, 1939, 85: 373.—**Jakovlev, G.** Brigada (brigade) In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 548.—**Petrov, A.** Brigadnyi medicinsky punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 553.—**Popov, G.** Druzhina sanitarnaia. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 581,

BRONCHITIS.

See with **Respiratory system,** Disease.

BROWN-OUT.

See **Blackout,** Dimout.

BUDAPEST siege (1944)

See under **World War II.**

BUDA siege (1686)

See under **Wars and campaigns.**

BUG-VISTULA offensive.

See under **World War II.**

BULGARIA.

References to this country are to be found in Military Section under the following headings: **Medical service; Morbidity; Surgical service.**

BULLET.

See also **Ballistics; Injury**—by weapon; **Projectile.**

Cameron, J. R. Incendiary, tracer and explosive bullets. J. R. Army M. Corps, 1942, 79: 269–76.—**Henderson, N. P.** Wooden German bullets. Brit. M. J., 1944, 2: 356. ——— & **Beadnell, C. M.** German explosive bullets. Ibid., 1943, 1: 170.—**Lampost, H., Ward, A. A., & Schorr, M. G.** Appraisal of rapid killing power of high velocity bullets. Mil. Surgeon, 1946, 99: 215–9.—**Phosphorus** bullets. Bull. Army M. Dep., Lond., 1943, No. 20, 10.—**Popplewell, J. R. F.** German explosive bullets. Brit. M. J., 1943, 1: 111.—**Roig, D. S.** Beitrag zum gerichtsmedizinischen Studium der sogenannten Explosivkugeln. Zbl. Chir., 1943, 70: 644 (Abstr.)

BULLET wound.

See **Injury,** gunshot; **Wound infection,** Bullet.

BUNA campaign.

See under **World War II.**

BUREAU of Medicine and Surgery.

See also **Surgeon General**, in this section.

Anniversary (100) of the founding of the Bureau of Medicine and Surgery of the Navy Department. Mil. Surgeon, 1942, **91**: 478–80.—**Bureau** (The) of Medicine and Surgery [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 1–4.—**Bureau** (The) of medicine and surgery moves. U. S. Nav. M. Bull. Suppl., 1919, **13**: 74, 2 pl.—**Gibson, W. S.** The organization and finances of the Bureau of Medicine and Surgery. Ibid., 1913, 7: 39–53.—**Navy** Bureau of Medicine and Surgery. Army & Navy Register, 1943, **64**: No. 3336, 10 (clipping)—**Schultz, H. S.** The first decade of the Bureau of Medicine and Surgery. Mil. Surgeon, 1946, **99**: 136–42.

BURIAL.

Astafjev, A. Kremacia. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 97–9. ——— & **Morev, V.** Pogrebenie. Ibid., **4**: 672–4.—**Bradley, G. P.** Burial custom formerly observed in the naval service. J. Am. Folklore, 1894, 7: 67–9.

BURIAL pouch.

Pouch, human remains, burial type. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 249.

BURMA.

See under **World War II.**

BURNER.

See also **Equipment.**

Bodenlos, L. J. Performance evaluation of the Taykit gasoline burner as compared with the Coleman military burner model No. 527 currently used with the field instrument sterilizer. 10 l. 27½cm. Camp Lejeune, 1949.

Forms Rep. No. 16, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

Improvised burner for heating mess kit wash water. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 19, 30–2.

BURNS.

See also **Injury.**

Lund, C. C., & Levenson, S. M. Report of burns. v. p. [72 l] 27cm. Chic., 1948.

Forms Rep. No. 37, Med. Nutrit. Laborat. U. S. Army.

Battle, R. V. Burns. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 87–94.—**Bricker, E. M.** Burns. Med. Bull. U. S. Chief Surg. Europ. Theater, 1943, No. 11, 11–6.—**Burns** in war. Mil. Surgeon, 1943, **93**: 433.—**Camardelli, O.** Queimaduras. Rev. med. mil., Rio, 1943, **32**: 50–60.—**Carling, E. R.** Burns. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 37–45.—**Gonçalves Bogado, L.** Queimaduras de guerra. Rev. med. cir. Brasil, 1942, **50**: 1087–98.—**Howe, J. W.** War burns. J. Am. Osteopath. Ass., 1942–43, **42**: 137–42.—**Kupriianov, P. A.** Ozhogi. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 218–27.—**Lindsay, H. C. L.** War burns. Urol. Cut. Rev., 1942, **46**: 386–90.—**Logie, N. J.** Burns in warfare. Lancet, Lond., 1944, **2**: 138–40.—**Mayat, V.** Ozhogi (combustiones; burn) In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1466–72.—**Oldfield, M. C.** Burns in wartime. J. R. Army M. Corps, 1941, **77**: 1–13.—**Pugh, H. L.** Burns. U. S. Nav. M. Bull., 1947, **47**: 391–5.—**Schauenberg.** Résumé d'un rapport sur les brulures. Vjschr. schweiz. Sanitätsoff., 1940, **17**: 87–95.—**Serenati, Q. J.** Burns. Med. Bull. Europ. Command, 1950, 7: 101–9.—**Sheehan, J. E.** Burns as war wounds. Am. J. Surg., 1943, **61**: 331–8.—**Teneff, S.** Causticazioni in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 546.—**Traube, V.** Verbrennungen. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 60–9.—**Trueta, J.** Burns. In his Principl. & Pract. War Surg., S. Louis, 1943, 398–413.—**Wakeley, C. P. G.** War burns. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 60–9.—**Woolhouse, F. M.** Burns. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 9, 23–32.

—— Air Force.

Agrelo, R. Normas para el tratamiento de las quemaduras en el personal de aeronáutica. Sem. méd., B. Air., 1946, **53**: pt 2, 444–8.—**Burns** in the AAF. Air Surgeon's Bull., 1944, **1**: No. 12, 20–2.—**Clerc, J. E. A., & Lagrot, F.** Les brûlures dans l'aviation. Méd. aéronaut., 1946, **1**: 5–17.—**Hogg, B. M.** General care and treatment of burns. Air Surgeon's Bull., 1944, **1**: 19–21.—**Incidence** and management of burns in the Air Force. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1**: No. 3, 20.—**Ivanov, V. A.** Ozhogi u letnogo sostava frontovoi aviacii. Vocn. med. J., Moskva, 1946, No. 12, 33–8.—**McDowell, M.** The nursing treatment of burns in an R. A. F. hospital. Nurs. Times, Lond., 1945, **41**: 108, &c.—**Weinshel, L. R.** The treatment of burns at an Army Air Forces advanced flying school. Mil. Surgeon, 1943, **93**: 389–99.

—— air raid.

Gohrbrandt, E. Treatment of burns resulting from air raids; general directions. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 37–9.—**Engel, G. C.** Burns in air raids. Week. Roster, Phila., 1941–42, **37**: 813.—**Maeta, T., Murai, S.** [et al.] Zyūsyō syūdan kasyō tiryō hōkoku. Tohoku igaku zassi, 1944–46, **35**: 279–81.—**Pearson, R. S. B.** Treatment of burns in air-raid victims. Nurs. Times, Lond., 1942, **38**: 74–6.

—— Clinical aspect.

Dzhanelidze, J. J., & Postnikov, B. N. Klinicheskaia kartina i techenie ozhogov. In: Opyt sovct. med. Velik. otech. voine, Moskva, 1951, **1**: 354–62, pl.—**Miyata, S., & Kayasima, K.** [Clinical observation of cases of scalding] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 22–35.

—— Complications and sequelae.

See also in this section, **Shock.**

Dzhanelidze, J. J., & Postnikov, B. N. Ozhogi; oslozhnenia. In: Opyt sovet. med. velik. otech. voine, Moskva, 1951, **1**: 403–13.—**Hiraga, M.** Studies of burn scar. Med. Targets, 1945, No. M–AB, 125.—**Pastinszky, I.** Egett betegek kiterjedt nyálkahártya és börmonilia fertőzéséről. Honvédorvos, 1952, **4**: 145–50. ——— A tetanus gyakorisága égési-fagyási sérülteken. Ibid., 401–3.—**Rebaudi, F., & Musso, A.** Trattamento di deformità di origine cicatriziale. Gior. med. mil., 1940, **88**: 46–55.—**Sellers, E. A.** Shock after burns. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 159. ——— & **Goranson, E. S.** The closed plaster method in the prevention of shock after burns. J. Canad. M. Serv., 1944–45, **2**: 431–7.

—— Etiology.

Barr, D. P. Burns in chemical warfare. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 99–103.—**Burns** incident to the use of rocket launchers. Bumed News Lett., Wash., 1945, **5**: No. 4, 6.—**Edwards, C. R.** Electrical burns. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 523.—**Kroemer, W.** Beobachtungen bei Verbrennungsverletzung durch Molotow-Coctail. Deut. Militärarzt, 1944, **9**: 65–7.—**Wakeley, C. P. G.** Chemical burns. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 520–3.—**Wells, D. B.** A propos des brûlures causées par l'incendie du cirque de Hartford. Vjschr. schweiz. Sanitätsoff., 1948, **25**: 1–5.

—— extensive.

Berkow, S. G. A program for the emergency treatment of extensive burns. U. S. Nav. M. Bull., 1943, **41**: 946–52.—**Donovan, S. J., & Carr, F. J.,** jr. Extensive (60 percent) burn. Ibid., 1410–2.—**Johnson, J. R.** Eighty-three percent body surface burn with recovery. Ibid., 1945, **45**: 163–5.—**Saxl, N. T.** Burns en masse. Ibid., 1942, **40**: 570–6, 2 pl.

—— fatal.

Dzhanelidze, J. J., & Postnikov, B. N. Ozhogi; letalnost. In: Opyt sovet. med. velik. otech. voine, Moskva, 1951, **1**: 416–21.—**Zinck, K. H.** Death from burning. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 133; Disc., 134–6.

—— naval.

Czwalinski, P. F. Burn treatment at sea. U. S. Nav. M. Bull., 1944, **42**: 838–40.—**Heggie, R. M., & Heggie, J. F.** Infected burns in naval personnel. Lancet, Lond., 1942, **2**: 664–7.—**Holmgren, B.** [Treatment of burns, especially during naval battles] Tskr. mil. hälsov., 1936, **61**: 259–76.—**Jacobs, R. G.** Treatment of burn cases off the U. S. S. Wasp. J. Oklahoma M. Ass., 1943, **36**: 235.—**Keevil, J. J.** Organization and treatment of burns during naval actions. In: Interallied Conf. War Med. (1942–45) 1947, 117–23.—**McLaughlin, C. W.,** jr. The treatment of major burns in naval warfare. Tr. West. Surg. Ass. (1945) 1946, **53**: 308–21. Also Nebraska M. J., 1946, **31**: 11–9.—**Stubenbord, J. G.,** 3d. The immediate treatment of burns at naval air stations. J. Aviat. M., 1945, **16**: 192–201.

—— Pathology.

Braasch, J. W., Bell, J. H., & Levenson, S. M. Report of excretion of nitrogen and electrolytes following thermal burns in the rat. 23 l. 27cm. Chic., 1949.

Forms Rep. No. 57, U. S. Army Med. Nutrit. Laborat.

Braasch, J. W., Wakerlin, G. E. [et al.] Report of the effect of testosterone propionate on the total urinary nitrogen excretion of the rat following burns. 41p. 27cm. Chic., 1949.

Forms Rep. No. 63, U. S. Army Med. Nutrit. Laborat.

Anderson, C. B. C., & Douglas, J. P. Some observations on burns due to explosion. J. R. Army M. Corps, 1938, 70: 168–77.—**Ashe, W. F., jr, & Roberts, L. B.** Experimental human burns; partial report. War Med., Chic., 1945, 7: 82.—**Deaver, J. M., Cronkite, E. P., & Phillips, R. B.** Severe burn; case report; notes on abnormal nitrogen metabolism. U. S. Nav. M. Bull., 1944, 42: 1162.—**Dzhanelidze, J. J., & Postnikov, B. N.** Patogenez ozhogov. In: Opyt sovet. med. velik. otech. voine, Moskva, 1951, 1: 342–53.—**Dziemian, A.** The effects of burns on carbohydrate metabolism. Sympos. Mil. Physiol., Wash., 1947, 251–6.—**Elman, R., & Brown, F. L., jr.** Experimental burns; methods, mortality and hemoconcentration curves. War Med., Chic., 1943, 3: 477–81.—**Farmer, A. W.** Pathology of burns. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 182–5.—**Gordon, S. D., & Gordon, R. A.** Blood changes following thermal burns. J. Canad. M. Serv., 1943–44, 1: 312–20.—**Lischer, C., & Elman, R.** Experimental burns; effect of elastic pressure applied to a burned area. War Med., Chic., 1943, 3: 482. ——— & **Davey, H. W.** Experimental burns; changes in plasma albumin and globulin. Ibid., 1944, 5: 43–5.—**Nicholson Taves, O.** O metabolismo gasoso nas queimaduras graves. An. Hosp. centr. exerc., Rio, 1943, 8: 87–92.—**Pathological** study of burns. Med. Targets, 1945, No. M–AB, 117.—**Prior, A. P.** The pathology of the liver in deaths from thermal burns. J. R. Army M. Corps, 1948, 90: 101–8.—**Rossiter, R. J.** Plasma loss in burns; a review of the literature. Bull. War M., Lond., 1943–44, 4: 181–9.—**Sturgis, S. H.** Observations on physiology, metabolism, and treatment of a severe burn. Mil. Surgeon, 1945, 97: 215–24. ——— Observations on altered protein metabolism after thermal injury. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 94–6.—**Tesař, J.** Popálení. Voj. zdrav. listy, 1949, 18: 278–83.—**Zinck, K. H.** Pathologische Anatomie der Verbrennung zugleich ein Beitrag zur Frage der Blutgewebsschranke und zur Morphologie der Eiweisszerfallsvergiftungen. Bull. War M., Lond., 1942–43, 3: 645 (Abstr.)

—— Problems.

Cope, O. The burn problem. In: Advance. Mil. Med., Bost., 1948, 1: 149–58.—**Dzhanelidze, U. U.** Problema ozhogov v mirnoe i voennoe vremia. Vest. khir., 1948, 68: No. 4, 72.—**Gala, P.** Le problème actuel des brûlures. Rev. méd. nav., Par., 1947, 2: 243–5.—**Problem** of burns in military surgery. Bull. U. S. Army M. Dep., 1946, 5: 14–6.—**Van Cauwenberghe.** Quelques considérations sur le traitement des brûlures. Bull. internat. Serv. santé, Liége, 1940, 13: 199.

—— Prognosis.

Wakeley, C. P. G. The late end-results of war burns. Lancet, Lond., 1942, 1: 410–2. ——— **Gillies, H., & Hudson, R. V.** Late end-results of war burns. Tr. M. Soc. London, 1940–43, 63: 129–42.

—— Protection.

Fauley, G. B. Protection against flash burns by protective films applied to the skin [v. p.] 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–178, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. 14: Report on Project No. 14: Methods of protection against flash burns. v. p. 28cm. Fort Knox, 1943.

—— Project No. 14: Supplemental report on Project No. 14: Methods of protection against flash burns; time-temperature relationships which produce hot air burns of human skin. v. p. 28cm. Fort Knox, 1944.

Corey, E. L. Flashburn protection. Hosp. Corps Q., 1945, 18: No. 10, 27–30.—**Fauley, G. B., & Ivy, A. C.** Prevention of flash burns by a protective glove film. U. S. Nav. M. Bull., 1944, 43: 209–15.—**Flash-burn** cream. Bumed News Lett., Wash., 1944, 3: No. 13, 9; 1945, 5: No. 4, 6.—**Flash** burn protective cream. Bull. U. S. Army M. Dep., 1944, No. 76, 7.—**Prevention** of thermal burns. Med. Bull. U. S. Chief Surg., Europ. Theatre, 1944, No. 20, 31.

—— Statistics.

Knoepp, L. F. Military burns; an analysis of 308 cases. Am. J. Surg., 1942, 57: 226–30.—**Maitland, A. I. L.** War burns; a survey of the treatment and results in 100 cases. J. R. Nav. M. Serv., 1942, 28: 3–17.—**Polskin, L. J.** Burns of World War II. Q. Chicago M. School, 1945–46, 7: 15–9.

—— Surgery.

United States. War Department. Technical bulletin TB-MED 151: Surgical management of thermal burns. 5p. 26cm. Wash., 1945.

Converse, J. M., & Duchet, G. Successful homologous skin grafting in a war burn using an identical twin as donor. Plastic & Reconstr. Surg., 1947, 2: 342–4.—**Hamdi Bako** [Treatment of consequences of a burn by skin grafting] Askeri sihhiye mecmuasi, 1939, 68: 26–32.—**Kirkham, H. L. D.** Plastic procedures in burns. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgcons) Ann Arb., 1943, 202–8.—**Pešková, H.** Chirurgické léčení následků spálenin. Voj. zdrav. listy, 1949, 18: 33–45.—**Removal** of slough from deep burns. Bumed News Lett., Wash., 1944, 4: 18–20.—**Surgical** management of thermal burns. Ibid., 1945, 5: No. 10, 1–5.—**Wakeley, C. P. G.** The treatment of war burns. Surgery, 1941, 10: 207–32. ——— Burns and their treatment. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 505–25. ——— The prevention of scarring after burns. Ibid., 519.

—— Treatment.

United States. Office of Civilian Defense. Treatment of burns and prevention of wound infections. 11p. 25cm. Wash., 1942.

—— [The same] OCD publication 2203–1: Treatment of burns and prevention of wound infections. Rev. ed. 12p. 28cm. Wash., 1943.

United States. War Department. Surgeon General's Office. Circular letter No. 15: Treatment of burns. 3p. 25½cm. Wash., 1943.

Asbóth, A. Az égés és lábszárfekély népegészségügyi szempontból; újabb módszerekkel elért eredmények és megtakarítás. Népegészségügy, 1949, 30: 680–4.—**Barroso, G.** Tratamento de queimaduras. Arq. brasil. med. nav., 1944, 5: 427–31.—**Berkow, S. G.** Burns incident to war; measures for their prevention and treatment. Clinics, Phila., 1943–44, 2: 1265–94.—**Bermúdez, E.** Tratamiento de las quemaduras en la última guerra. Gac. méd., Lima, 1945–46, 2: 275–81.—**Bove, C.** Treatment of war burns. N. York State J. M., 1942, 42: 1366–70.—**Burian, F.** Zásady léčení spálenin. Voj. zdrav. listy, 1949, 18: 147–52.—**Campelo, M.** Tratamento das queimaduras. Arq. brasil. med. nav., 1943, 4: 77–92.—**Carillon, R. J.** Au sujet des brûlures. Rev. corps san. mil., Par., 1948, 4: No. 4, p. i–xii.—**Chaney, W. C.** Treatment of war burns. Memphis M. J., 1942, 17: 192.—**Clavelin, C. H. C. J., & Carillon, R. J.** Le traitement des brûlés dans les formations sanitaires aux armées. Rev. serv. san. mil., Par., 1937, 106: 571–96.—**Cohen, S. M.** Experience in the treatment of war burns. Brit. M. J., 1940, 2: 251–4.—**Conklin, F. L.** Burns. Mil. Surgeon, 1945, 96: 139–42.—**Converse, J. M., & Bouillé.** Traitement des brûlures de guerre. Algérie méd., 1943, 187–99. Also Maroc méd., 1943, 230–6.—**Coutinho, A.** Queimaduras de guerra. Rev. méd. Pernambuco, 1943, 13: 175–90.—**Cowel, W.** The treatment of burns. Ann. belg. méd. mil., 1948, 101: 41–7.—**Dennison, W. M., & Divine, D.** Treatment of burns in wartime. J. R. Army M. Corps, 1941, 77: 14–8.—**Dzhanelidze, J. J., & Postnikov, B. N.** Lechenie ozhogov. In: Opyt sovet. med. velik. otech. voine, Moskva, 1951, 1: 363–402.—**Ellis, J. D.** Management of burns as war casualties. Bull. South Chicago M. Soc., 1941–42, 12: No. 6, 15–7.—**Emerson, G. V.** Treatment of war burns. Pacific Coast M., 1942, 9: No. 2, 2–5.—**Ferguson, L. K.** The treatment of burns and war wounds. Bull. N. York Acad. M., 1945, 21: 127–44.—**Ferraro, D.** Scottature in pace e in guerra; patogenesi e cura. Forze san., Roma, 1940, 9: No. 4, 23–31.—**Flörcken, H.** Die Behandlung der Kriegsverbrennungen. Chirurg, 1940, 12: 89–92.—**Fox, T. A.** Newer concepts in the treatment of burns with suggestions for the management of wartime thermal injuries. U. S. Nav. M. Bull., 1942, 40: 557–70.—**Freitas Duarte, A. de.** Tratamento das queimaduras de guerra. An. Hosp. centr. exerc., Rio, 1943, 8: 51–60.—**Gay, E. C.** Treatment of burns. Mil. Surgeon, 1942, 91: 298–305.—**Hakansson, E. G.** Treatment of burns. Proc. Am. Drug Manuf. Ass., 1943, 32. meet., 161–75.—**Halford, F. J.** The management of war burns. Hawaii M. J., 1941–42, 1: 191.—**Hamilton, J. E., & Barnett, L. A.** The treatment of war burns. Surg. Clin. N. America, 1943, 23: 1575–88.—**Harkins, H. N.** The treatment of burns in wartime. J. Am. M. Ass., 1942, 119: 385–90.—**Henschen, C.** Die Behandlung der Friedens- und Kriegsverbrennungen. Helvet. med. acta, 1941, 8: 77–148.—**Hill.** Treatment of burns; a short review of service burns during the war. Med. Bull., Bombay, 1946, 14: 13–5.—**Hunt, G. H.** A station letter in reference to the treatment of burns. Hosp. News, Wash., 1942, 9: No. 6, 1–4.—**Iadevaia, F.** Trattamento degli ustionati. Gior. med. mil., 1947, 94: 207–15.—**Kendall, A. W.** The treatment of war burns. Med. Press & Circ., Lond., 1941, 205: 42–5. Also in Mod. Treatm. Yearb. (Wakeley, C. P. G.) Lond., 1941, 309–15, 3 pl.—**Koch, F.** Några sjökrigskirurgiska synpunkter på brännskador. Sven. läk. tidn., 1941, 38: 1351–6.—**Koch, S. L.** Treatment of burns. Bull. Am. Coll. Surgeons, 1942, 27: 106–8.—**Lam, C. R., & Harkins, H. N.** Treatment of burns. Ibid., 109–11.—**McDowell, F.** Treatment of burns in World War II as observed by Lieutenant Colonel James Barrett Brown. Week. Bull. S. Louis M. Soc., 1942–43, 37: 173–5 (Abstr.)—**Macey, H. B.** A consideration of burns in warfare. Proc. Mayo Clin., 1943, 18: 241–6.—**Manzella, M.** Quemaduras; tratamiento. Rev. san. mil., B. Air., 1946, 45:

1395–406.—**Marques Porto, E.** Tratamento das queimaduras de guerra. Rev. med. cir. Brasil, 1943, **51:** 585–608. Also Rev. med. mil., Rio, 1943, **32:** 141–68.—**Memorandum** on the treatment of burns. Bull. War M., Lond., 1941–42, **2:** 169 (Abstr.)—**Merz & Calvet.** Traitement des brûlures. Bull. Serv. san., Par., 1944, **2:** No. 5, éd. spéc., 1–3.—**Mitchiner, P. H.** The treatment of burns under war conditions. Med. Press & Circ., Lond., 1939, **202:** 26–31. Also in Mod. Treat. Yearb., 1940, 62–71, 4 pl.—**Morison, J. H. S.** Treatment of burns. Med. Bull. Veterans Admin., 1939–40, **16:** 146–8.—**Nakagawa, K., Suzuki, N.** [et al.] Hizyōzi kasyō no tiryō-hō ni kan-suru kenkyū (dai ikkai hōkoku) Acta derm., Kyoto, 1944, **43:** 503–5.—**Ogilvie, W. H.** Treatment of war burns. Brit. M. J., 1940, **2:** 335.—**Palmer, E. P., & Palmer, E. P.,** jr. Treatment of war burns. Southwest. M., 1942, **26:** 251–5.—**Paranaguá, C.** Tratamento das queimaduras de guerra; estudo traumatológico da ação dos lança-chamas e dos explosivos. Impr. méd., Rio, 1943, **19:** No. 356, 57–72.—**Passalacqua, L. A.** The treatment of wartime burns. Bol. As. med. Puerto Rico, 1942, **34:** 140–6.—**Penberthy, G. C., & Weller, C. N.** The treatment of burns. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 188–98.—**Reddingius** [War medicine; indications for treatment of burns] Geneesk. tschr. Ned. Indië, 1941, **81:** 2737.—**Roddis, L. H.** Burns incident to war; measures for their prevention and for treatment. Mil. Surgeon, 1944, **94:** 65–75.—**Rosenqvist, H.** Brännskadebehandling, särskilt ur militär synpunkt. Tskr. mil. hälsov., 1944, **68:** Suppl., 29–37.—**S., W.** Treatment of burns in wartime; American views. Australas. J. Pharm., 1943, **24:** 85.—**Scherling, S. S., Overholt, B. M., & Stahmer, K. H.** Treatment of burns due to chemical warfare agents. Bull. U. S. Army M. Dep., 1944, No. 74, 52–62.—**Sheehan, J. E.** Burns and their treatment. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 210–9.—**Treatment** of burns (War Wounds Committee of the Medical Research Council) Lancet, Lond., 1941, **1:** 425.—**Treatment** (The) of burns. Army M. Bull., 1942, No. 61, 24–30. Also War Med., Chic., 1942, **2:** 334–9.—**Treatment** of burns [form letter] Bumed News Lett., Wash., 1943, **1:** 19–22. Also Hosp. Corps Q., 1943, **16:** No. 2, 72–6 (Abstr.)—**Treatment** (The) of burns [SGO Circ. Lett.] J. Am. M. Ass., 1943, **121:** 682.—**Treatment** of phosphorus burns. Bull. War M., Lond., 1942–43, **3:** 425 (Abstr.)—**Treatment** of war burns. Brit. M. J., 1940, **2:** 672.—**Vance, C. L.** Burns and their treatment. U. S. Nav. M. Bull., 1944, **42:** 1129–33.—**Wakeley, C. P. G.** War burns and their treatment. J. R. Nav. M. Serv., 1941, **27:** 20–34. ——— The treatment of war burns. Nurs. Times, Lond., 1941, **37:** 819–25. ——— War burns and their treatment. Practitioner, Lond., 1941, **146:** 27–37. ——— The treatment of war burns. War Med. Sympos., N. Y., 1942, 41–67. ——— Burns of war. In: Med. Annual, Lond., 1945, **63:** 60–2, pl. ——— **Wilson, W. C.** [et al.] Treatment of war burns. Brit. M. J., 1940, **2:** 679.—**Walton, F. E.** On the management of burns. Surgery, 1944, **15:** 547–52.—**Wanamaker, F. H.** Care of the burn casualty. U. S. Nav. M. Bull., 1945, **44:** 1239–44.—**Woods, H. B.** Treatment of severe war-time burns. Nurs. Times, Lond., 1943, **39:** 827.—**Yemm, W. A.** Therapy of burns in war. Physiother. Rev., 1943, **23:** 13–6.—**Zarubin, S. A.** Termicheskie ozhogi i ikh lechenie. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 138–69.

—— Treatment, field.

Bonnel, P. Etat actuel du traitement d'urgence des brûlures. Rev. méd. nav., Par., 1948, **3:** 253–61.—**Caveny, E. L.** The early management of burn cases in mass quantity. U. S. Nav. M. Bull., 1942, **40:** 824–8.—**Johnston, C. C.** Treatment of burns in forward areas. Bull. U. S. Army M. Dep., 1944, No. 76, 109–13.—**Kirby, C.** Treatment of burns at first-aid posts. Lancet, Lond., 1943, **2:** 526.—**Laufer, M.** První pomoc a ošetření spálenin v poli. Voj. zdrav. listy, 1949, **18:** 152–4.—**Lund, C. C., Green, R., & Levenson, S. M.** First-aid treatment of burns. Hosp. Corps Q., 1945, **18:** No. 11, 37–9.—**Masini, P.** Le traitement des brûlés dans les formations sanitaires aux armées. Hôpital, 1939, **27:** 544–8.—**Stein, J. J.** Treatment of burns in the field. Hosp. Corps Q., 1943, **16:** No. 3, 113–5.—**Stetsiuk, F. F.** Lechenie ozhogov vtoroi stepeni vo frontovykh usloviiakh. Feldsher & akush., 1947, 49.—**Westermann, H. H.** Vorschläge für die Erstversorgung von Brandwunden im Felde. Deut. Militärarzt, 1941, **6:** 209–11.

—— Treatment, hospital.

Brooke, E. M. Burns and their treatment among E. M. S. hospital in-patients. Brit. M. J., 1945, **1:** 259.—**Kern, R. A., Norris, R. F.** [et al.] The treatment of burns; a discussion based on experience with 360 cases seen on board a U. S. hospital ship. U. S. Nav. M. Bull., 1943, **41:** 1654; 1944, **42:** 59.—**Marino, H.** El tratamiento moderno de los quemados; observaciones hechas en hospitales militares y civiles de Gran Bretaña y Estados Unidos. Rev. méd. Hosp. brit., B. Air., 1946, **2:** 1–11.—**Rawles, B. W.,** jr, **& Massie, J. R.,** jr. Burns; review of cases treated in overseas Army general hospital. Virginia M. Month., 1944, **71:** 605–9.—**Shaw, C. E. W.** And always there are burns; how they treat burn cases aboard U. S. S. Solace. Mod. Hosp., 1944, **63:** No. 5, 72; No. 6, 74.—**Surgical** procedures in military hospitals in Britain; treatment of burns. Med. J. Australia, 1940, **2:** 482.—**Wolfe, H. R. I., & Clegg, H. W.** The use of plasma in a hospital ship. Lancet, Lond., 1942, **1:** 191–3.

—— Treatment: Local remedies.

Darby, E. M. K., Trumper, M., & Fauley, G. B. The evaluation of certain ointment bases suggested for the treatment of burns. 4 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X-215, U. S. Nav. M. Res. Inst.

Abbott, M. D., & Gepfert, J. R. The topical use of medicated human plasma in the treatment of burns. U. S. Nav. M. Bull., 1944, **42:** 193.—**Alcover Sureda, P.** Tratamiento de las quemaduras por el ácido tánico. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 28–33.—**Bunyan, J.** The Bunyan-Stannard bag; envelope treatment of burns. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2:** 524–9.—**Callahan, G. B.** Burns treated by cod liver oil ointment, paper tissue dressing; a peacetime dressing brought to war. Mil. Surgeon, 1943, **92:** 439–42.—**Downs, T. M.** A comparison of certain drugs used as local applications to burns. U. S. Nav. M. Bull., 1942, **40:** 936–8.—**Frank, G.** Az égettek kezelése különös tekintettel a helyi eljárásokra. Honvédorvos, 1950, **2:** 74–83.—**Gey, R.** Behandlung der Brandverletzungen mit Lebertran oder Tannin? der Versuch eines Vergleiches. Deut. Militärarzt, 1941, **6:** 287.—**Green, F. H. K.** The local treatment of thermal burns. Bull. War M., Lond., 1944–45, **5:** 605–13.—**Gunn, W. D.** The treatment of burns with mercurochrome. J. R. Nav. M. Serv., 1937, **23:** 260.—**Hamilton, W. M.** Tannic acid. Ibid., 1949, **35:** 113.—**Hook, F. R.** Burn dressings. Bumed News Lett., Wash., 1945, **6:** No. 3, 19.—**Keenan, H. J.** Preparation of burn jelly in the field. Hosp. Corps Q., 1943, **16:** 49.—**Leonenko, P. M.** [Phototherapy of burns] Bull. War M., Lond., 1942–43, **3:** 598 (Abstr.)—**Local** treatment of burns (E. M. S. memorandum) Brit. M. J., 1941, **1:** 489. Also War Med., Chic., 1942, **2:** 664–6 (Abstr.)—**McAleese, J. J.** Topical penicillin in the treatment of burns. J. Mil. M. Pacific, 1946, **2:** No. 3, 21–7.—**McClure, R. D., & Lam, C. R.** The early local treatment of burned areas with special reference to war injuries. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 27–42. ——— Tannis acid treatment of burns; an obsequy. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **2:** 66. ——— The local treatment of burns. Med. Bull. (Standard Oil Co.) N. Y., 1944–45, **6:** 108–10.—**McGraw, A. B.** Emergency dressing for burns of the extremities. Hosp. Corps Q., 1944, **17:** No. 2, 40–4.—**Manzella, M.** Termo-pulverizador eléctrico; tratamiento local de las quemaduras. Rev. san. mil., B. Air., 1946, **45:** 855–7.—**Pollock, B.** Dried plasma sheets in treatment of burns; in treatment of war wounds; preliminary reports. U. S. Nav. M. Bull., 1944, **42:** 1171–3.—**Rivas Diez, B. & Delrío, J. M.** La anestesia local en el tratamiento de las quemaduras. Bol. Acad. argent. circ., 1944, **28:** 1182–92.—**Rogers, W. L., Cohen, T. M., & Goldberg, R. R.** Value of sulfonated oils in the treatment of burns and other denuded surfaces. U. S. Nav. M. Bull., 1944, **42:** 1125–8.—**Shaar, C. M., Ferguson, L. K., & Nova, P. L.** The treatment of superficial burns with microcrystalline sulfathiazole. Ibid., 1942, **40:** 954–7, 2 pl.—**Stockton, A. B.** The local treatment of war burns. Stanford M. Bull., 1944–45, **2:** 71–3.—**Sulphonamide** powder in burns. Bull. Army M. Dep., Lond., 1943, No. 24, 8.—**Sulzberger, M. B.** Acid débridement. Ann. Surg., 1947, **125:** 418–30.—**Tamai, T.** Die Behandlung der Verbrennung mit Rivanol-Lebertran. Bull. Nav. M. Ass., Tokyo, 1938, **27:** No. 3, 1.—**Thiessen, N. W., & Steinreich, O. S.** The local treatment of burns in the Army. Mil. Surgeon, 1942, **91:** 208–11.—**Use** on burns of ointments containing sulfonamides. Bumed News Lett., Wash., 1944, **4:** No. 4, 3.

—— Treatment: Methods.

Deaver, J. M., & Cronkite, E. P. Practical considerations in the treatment of burns. Mil. Surgeon, 1948, **102:** 120–2.—**Fischer, R. L.** The constitutional management of war burns with special reference to shock. J. Am. Osteopath. Ass., 1942–43, **42:** 143–5.—**Fluid** (The) and nutritional therapy of burns. Bumed News Lett., Wash., 1945, **5:** 2–10.—**Flynn, S. E.** Insulin treatment of burns. U. S. Nav. M. Bull., 1940, **38:** 538–40.—**Fox,** T. A. Newer concepts in the treatment of burns; with suggestions for the management of wartime thermal injuries. J. Lab. Clin. M., 1942–43, **28:** 474–84.—**Glover, D. M.** Transition in burn treatment; the war years. Am. J. Surg., 1948, **76:** 547–58.—**Harkins, H. N.** Physiological aspects of the treatment of burns. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 186–8.—**Henry, H. B.** A new treatment of burns; case reports. Med. Bull. Veterans Admin., 1939–40, **16:** 143–5.—**Hirshfeld & Smith.** Whole blood and electrolyte therapy of experimental burns. Bumed News Lett., Wash., 1945, **5:** No. 5, 16.—**Importance** (The) of plasma protein replacement in severe burns. U. S. Nav. M. Bull., 1942, **40:** 438.—**Ivory, H. S.** The use of cortical adrenal extract in the treatment of severe burns. Mil. Surgeon, 1940, **87:** 423–9.—**Llamazares Gómez, C., & López Ríos, F.** Tratamiento de las quemaduras de los miembros, mediante los apósitos de yeso. Rev. españ. med. cir. guerra, 1940, **5:** 279–81.—**Martínez Carranza, H. J. V.** Tratamiento de las quemaduras a cielo cerrado. Rev. san. mil., B. Air., 1946, **45:** 998–1004.—**Oddo, P.** As aquisições mais recentes da terapêutica das queimaduras; como estão sendo tratados os comburidos da guerra atual? Pub. méd., S. Paulo, 1942–43, **14:** No. 8, 43–56.—**Pendleton, R. C.** The paraffin wax open-air treatment

of burns. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 198–202.—**Porritt, A. E.** New methods with burns. Mil. Surgeon, 1944, **94**: 227.—**Quantitative** evaluation of certain treatments in the healing of third degree burns. Bumed News Lett., Wash., 1944, **4**: No. 8, 6. Also Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 39.—**Richards, D. W.,** jr. Administration of fluids in severe burns. Bumed News Lett., Wash., 1944, **4**: No. 13, 5–7.—**Simon, M., Pastinszky, I.,** & **Fehér, O.** Az égési shock antihistamin kezelésének kísérleti alapjai. Honvédorvos, 1950, **2**: 84–90, illust.—**Sokolovsky, M. P.** [Coagulation therapy of burns] Voen. san. delo, 1942, No. 10, 77.—**Strange, W. W.,** & **Mourot, A. J.** The late treatment of flash burns. U. S. Nav. M. Bull., 1943, **41**: 953–60.—**Widmeyer, R. S.** Burns, various types; treatment and prognosis from the military as well as the civilian viewpoint. J. Florida M. Ass., 1942–43, **29**: 165–8.—**Wilson, W. C.** The treatment of burns. J. R. Nav. M. Serv., 1940, **26**: 352–61.

BUTTER.

See also **Food.**

Bieri, J. G., & Haugen, G. E. Report on captured enemy equipment; CEE #176267, German synthetic butter. 4p. 27cm. Bethesda, Md, 1946.

Forms Res. Proj. X–159, U. S. Nav. M. Res. Inst.

United States. Veterans Administration. Technical bulletin TB 10–2: Conservation of butter and fats [2] p. 27cm. Wash., 1946.

Report on captured enemy equipment; German synthetic butter. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 33.—**Zeki Faik Ural.** Memleketimizde yağ meselesi. Askeri sihhiye mecmuasi, 1945, **74**: No. 44, 1–11.

BUTTOCKS injuries.

See under **Injury**—by organs and regions.

CABINET.

See also **Chest; Equipment.**

Macleod, G. E. A galvanized-iron cupboard for first-aid dressings as a permanent fitting in turrets and casemates. J. R. Nav. M. Serv., 1915, **1**: 351.—**Shimer, K.** Medical department administrative cabinet. Hosp. Corps Q., 1944, **17**: No. 3, 43–5.—**Simpson, R. K.** Cabinet for ophthalmic instruments and appliances. Flight Surgeon Topics, 1937, **1**: No. 4, 42–4, pl.

CABIN pressurization.

See **Aircraft,** Altitude cabin.

CADET.

See also subsequent headings: also **Aviator,** Physical standards.

Great Britain. War Office. Pre-service physical training and recreation for army cadets. 170p. 18½cm. Lond., 1943.

Kagiyama, S. On the body length in the cadets at the time of the entrance in the naval cadet school. Bull. Nav. M. Ass., Tokyo, 1936, **25**: No. 6, 1.—**Pick, B.** Some observations on cadets' training. J. R. Nav. M. Serv., 1917, **3**: 454–64.

CADET Corps.

See also **Flying Cadet Board.**

Brown, D. M., & McNeill, W. P. Manual of instruction for Seventh Day Adventist medical cadets. 2v. 27½cm. Takoma Pk., 1941.

Courville, C. B., & Gilbert, E. W. Medical Cadet Corps training manual. 2. ed. 285p. 23½cm. Glendale, 1943.

Seventh-Day Adventist Medical Cadet Corps; Washington Area. Entrance blanks [9] l. 28½cm. Takoma Park, 1940.

—— Examination, Lessons I to V, Red Cross first aid; for instructors only [15] l. 28½cm. Takoma Park, 1940.

—— General orders, No. 1–3. 3 nos. 28½cm. Takoma Park, 1940.

—— Miscellaneous subjects [11] l. 28½cm. Takoma Park, 1940.

—— Special orders, No. 5–6; 8–13. 8 nos. 28½cm. Takoma Park, 1940.

—— Training outline, No. 1–4. 4 Nos. 28½cm. Takoma Park, 1940.

Ashbaugh, F. G. Uniform and insignia regulations (Medical Cadet Corps) In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 39–42.—**Courville, C. B.** Medical military training for civilians; the Medical Cadet Corps. Mil. Surgeon, 1941, **89**: 161–70.

CADET nurse.

See also next heading; also **Nurse; Nursing; School,** Nursing.

Goostray, S. Problems of cadet nurse school curriculum. Hospitals, 1943, **17**: No. 10, 65–7.—**Regulations** for cadet nurse training presented herewith. Ibid., No. 8, 31–3.—**Reporting** from Washington; ask all hospitals join nurse cadet drive under 6 field offices. Ibid., No. 9, 28–30.—**Schmidt, E. L.,** & **Meredith, C.** The senior cadet program in a Naval hospital. Am. J. Nurs., 1945, **45**: 196–200.—**Sorenson, M. M.** The senior cadet program in an Army hospital. Ibid., 200–3.— **Spalding, E. K.** The senior cadet nurse. Ibid., 1943, **43**: 749–51.

CADET Nurse Corps.

See also preceding heading.

Cadet Nurse Corps News. Wash., v.**1**, No. 1, 1945–

United States. War Information Office. Office of Program Coordination. Information program for the United States Cadet Nurse Corps. 14p. 26½cm. Wash., 1943.

Bolton, F. P. United States Cadet Nurse Corps. Congressional Record, 1943, **89**: A3804 (clipping) Also Hosp. Progr., 1943, **24**: 272–9.—**Bolton** (The) Act. Ibid., 283.—**Dunn, M. J.** The U. S. Cadet Nurse Corps. Ibid., 235–7.—**Family** (The) physician and the U. S. Cadet Nurse Corps. Rocky Mountain M. J., 1944, **41**: 126–30.—**More** about the Cadet Corps. Hosp. Topics, 1943, **21**: No. 9, 23–6.—**Owen, M. R.** The U. S. Cadet Nurse Corps; adaptations in nursing education and their significance for the future. Hosp. Progr., 1943, **24**: 238–41.—**Parran, T.** The family physician and the U. S. Cadet Nurse Corps. Health Bull., Raleigh, 1943, **58**: No. 9, 14–6. Also Med. Ann. District of Columbia, 1943, **12**: 405. Also Connecticut M. J., 1944, **8**: 36. ——— The hospital's stake in the U. S. Cadet Nurse Corps. Mod. Hosp., 1943, **61**: No. 3, 58. ——— The Cadet Nurse Corps. J. Am. M. Ass., 1945, **127**: 995.—**Petry, L.** U. S. Cadet Nurse Corps, established under the Bolton Act. Am. J. Nurs., 1943, **43**: 704–8. ——— The public health significance of the U. S. Cadet Nurse Corps. Am. J. Pub. Health, 1943, **33**: 1353–5. ——— The U. S. Cadet Nurse Corps; a summing up. Am. J. Nurs., 1945, **45**: 1027.—**Re:** The Cadet Nurse Corps. Hosp. Topics, 1943, **21**: No. 8, 12.—**Schwitalla, A. M.** United States Cadet Nurse Corps. Hosp. Progr., 1943, **24**: 226–9. ——— U. S. (The) Cadet Nurse Corps; an appeal to the Catholic hospitals. Ibid., 241–3. ——— The U. S. Cadet Nurse Corps. Ibid., 309–13. ——— Recent developments in the U. S. Cadet Nurse Corps. Ibid., 1944, **25**: No. 2, 41–6.—**Speaks, R. A.** The U. S. Cadet Nurse Corps at Freedmen's Hospital, Washington, D. C. Nat. Negro Health News, 1943, **11**: No. 3, 9.—**United States** Cadet Nurse Corps. N. England J. M., 1943, **229**: 349.—**United States** Cadet Nurse Corps, a career opportunity for young women. Hygeia, Chic., 1943, **21**: 897.—**U. S.** (The) Cadet Nurse Corps. J. Am. M. Ass., 1943, **123**: 100. Also Pacific Coast J. Nurs., 1943, **39**: 269.

CADUCEUS.

Arnold, H. L., jr. Fielding H. Garrison, the Caduceus, and the United States Army Medical Department. Bull. Hist. M., 1943, **13**: 627–30.—**Bercher, J.** A propos du caducée. Bull. Serv. san., Par., 1944, **2**: 334.—**Caduceus** (The) the official insignia of the Medical Department of the Army. Mil. Surgeon, 1940, **86**: 503.—**Heraldry** (The) of the caduceus, the acorn, and the oak leaf. Hosp. Corps. Q., 1949, **22**: No. 4, 3.—**Poston, R. I.** The rod and the serpent and other badges. J. R. Army M. Corps, 1945, **84**: 227–9.—**Sorge, F.** Von der Schlange des Aeskulap. Deut. Militärarzt, 1939, **4**: 79.

CAEN battle.

See under **World War I.**

CAISSON disease.

See **Compressed air illness.**

CALORIC requirements.

See under **Nutrition.**

CAMEROONS.

See under **World War I.**

CAMOUFLAGE.

See also **Defense; Security.**

BLACK, A. P., & TRUMPER, M. Camouflage ponchos, toxicity test for. 2p. 26½cm. Bethesda, 1943.

Forms Rep. No. 3, Res. Proj. X–180, U. S. Nav. M. Res. Inst.

FRIEDMANN, H. The natural-history background of camouflage. 17p. 23½cm. Wash., 1942.

Also Annual Rep. Smithson. Inst. (1943) 1944, 259–74, 16 pl.

TRUMPER, M. Test for skin irritation from contact with fortisan yarn mesh fabric, camouflage suits [1] l. 26½cm. Bethesda, 1944.

Forms Rep. No. 15, Res. Proj. X–180, U. S. Nav. M. Res. Inst.

UNITED STATES. WAR DEPARTMENT. FM 21–45: Protective measures, individuals and small units. 154p. 17cm. Wash., 1942.

Alvarez del Manzano, B. Ocultación. Ejército, Madr., 1942, No. 32, 80.—**Brown, D. R. E.** Developments in naval camouflage. Minutes Army Navy Vision Com., 1945, 14. meet., 29–33.—**Color** and camouflage. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 63–96, illust.—**Construction** techniques changed by camouflage requirements. Engin. News Rec., 1942, **128:** No. 25, 91.—**Cott, H. B.** Camouflage. Advance. Sc., Lond., 1948, **4:** 300–9.—**Gibson, H. L.** Penetrating nature's camouflage by introducing contrasts. J. Biol. Photogr. Ass., 1942–43, **11:** 45–50.—**Goff, H.** Industrial camouflage experiments. Mil. Engineer, 1943, **35:** 126–9. **Hartley, P. H. T.** Animal camouflage. Endeavour, Lond., 1948, **7:** 97–103, incl. 4 pl.—**Hartman, H.** The basis of modern camouflage. Biol. Colloq., Corvallis (1943–44) 1945, 8–10.—**Luckiesh, M.** The principles of camouflage. Tr. Illumin. Engin. Soc., 1919, **14:** 234–55.—**Natural** vegetation used in highly successful camouflage; camp in everglades is scattered over 9-mile site with no streets and buildings hidden under trees. Science News Lett., 1942, **42:** 92.—**Tecoz, H. F.** L'invisible devant la science. Praxis, Bern, 1943, **32:** 705.—**Uglum, J. R.** Visual perception and camouflage. Yearb. Optometry, 1943, 49–51.

—— Medical aspect.

Camouflage battle dressings. Curity Res. Notes, Chic., 1945, **4:** 12–5.—**Krichevsky, J.** Maskirovka v voenno-medicinskoi sluzhbe. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 683–7. ——— & **Janovsky, A.** Maskirovka. Ibid., 681–8.—**Photographs** of coverage for blackout entrance to ward tent. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 16, 18.—**Schickelé, A.** Visibilité, signalisation et camouflages des formations sanitaires en campagne. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 179–99. Also Bull. internat. Serv. santé, Liége, 1939, **12:** 447–65.

CAMP.

See also **Cantonment; Prisoner of war,** camp; **Reserve officer,** Camp; **Training camp;** also under **Venereal disease.**

Beardslee, C. G. Underground storage for floods assures army camp water supply. Engin. News Rec., 1942, **128:** 406.—**Fiam, B.** A nyári kihelyezések és hômunka. Honvédorvos, 1951, **3:** 294–7.—**Fire** prevention in building army camps. Engin. News Rec., 1942, **129:** 548.—**Hansen, P.** Sewage disposal problems at Army camps. Am. J. Pub. Health, 1942, **32:** 181–6.—**Malov, S.** Lagerj. In: Bolsh. med. encikl., 1930, **15:** 297–303.—**Mobilization** camps. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **4:** 1–39.—**Morris, S. J.** Detention and quarantine camps. Ibid., 1926, **6:** 173–85.—**Osipenko, K.** Bivak (bivouac) In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 478. ——— & **Maslinkovsky, T.** Lagerj. Ibid., **3:** 346–58.

—— Construction camp.

Daniels, J. Health conditions in camps. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 11, 4269.—**Sanitary** regulations for contractors camps and construction areas, Constructing Quartermaster, Panama Canal Department. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 3, Chapt. 19, Exh. A, 1–8.

—— Description.

STRAUB, P. F. Sanitation of the Maneuver Camp at San Antonio, Texas. 24 l. 33cm. San Antonio, 1911.

UNITED STATES. WAR DEPARTMENT. CAMP TRAVIS, TEXAS. CAMP DENTAL SURGEONS. Camp Travis and its part in the World War. 337p. 31cm. N. Y., 1919.

[UNITED STATES Military Camps, 1877] 104p. 19½cm. n. p., 1879.

Birds-eye view of the Camp of the Army of Occupation commanded by General Taylor, October 1845; lithograph by Charles Parsons, 1847. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 146.—**Blech, G. M.** Impressions of Camp Grant. Mil. Surgeon, 1942, **91:** 585–8.—**Camp Dupont,** near Philadelphia; aquatint, from Blake's martial music of Camp Dupont, c. 1816. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 109.—**Erickson, P. T.** Public health and national defense at Camp Shelby. Mississippi Doctor, 1940–41, **18:** 595; 651.—**Soldiers'** Rest, Alexandria, Va.; lithograph by Charles Magnus, 1864. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 247.—**White, J. W.** A military medical tour. J. S. Carolina M. Ass., 1943, **39:** 281.

—— Hygiene and sanitation.

HAAG, F. E. Lagerhygiene. 65p. 19cm. Münch., 1943.

MAER, M. *Hygiène des camps militaires permanents et mobiles en France. 43p. 24cm. Par., 1940.

Vos, I. H. J. De zorg voor de gezondheid in het leger. 63p. 20½cm. Zalt-Bommel, 1918.

Cheyrou-Lagrèze. De l'assainissement intégral des camps des troupes d'occupation de l'Afrique du Nord. Rev. hyg., Par., 1932, **54:** 670–86.—**Civilian** contacts complicate problems of military sanitation. J. Missouri M. Ass., 1941, **38:** 326.—**D'Amico.** Problemi di medicina militare; sul razionale utilizzo dei competenti nel campo sanitario. Cult. med. mod., Pal., 1935, **14:** 137–40.—**Des Cilleuls, J. M., & Bellon, J.** Les améliorations récentes apportées à l'hygiène des camps dans l'Armée française. Bull. internat. Serv. santé, Liége, 1939, **12:** 673–701. Also Deut. Militärarzt, 1940, **5:** 296 (Abstr.)—**Gordon, J. E.** Selection of camp sites and camp sanitation. In: Prev. Med. in World War II, Wash., 1948, 2: pt 9, 24–6. ——— Sanitary surveys. Ibid., 26–30.—**Improvised** equipment to cope with sanitary problems in the field. Med. Bull. U. S. Chief Surg Europ. Theater, 1944, No. 23, 27–30.—**Losonczy, G.** A nyári kihelyezések egészségvédelmi problémái. Honvédorvos, 1951, **3:** 282–94.—**Netušil, F.** Poměry zdravotní u vojska v posicích výšinových a táborech v údolích. Cas. lék. česk., 1917, **56:** 184.—**Sayan, M., & Yenisey, H.** Sitmalı bir mıntıkada ordugâh kurmak icab ederse ordugâhı bu mıntıkanın neresine ve ne şekilde kurmalıdır? Askerî sıhhiye mecmuası, 1947, **76:** 49–52.—**Woodruff, C. E.** The sanitation of the modern camp; principles and practices. Mil. Surgeon, 1907, **21:** 485–511.

—— Medical service.

See also in this section, **Medical service.**

Bayley, J. H. Improvisation and practical work in camp; a few hints to junior R. A. M. C. adjutants. J. R. Army M. Corps, 1938, **70:** 316–20.—**Coordination** of dental activities in large camps. Dent. Bull., Carlisle, 1941, 12: 191–6.—**Csonka, I.** Hogyan szerveztem meg a tábor eü. ellátását. Honvédorvos, 1951, **3:** 548–52, illust.—**Ingalls, R. E.** Camp dental administration. J. Ass. Mil. Dent. Surg. U. S., 1919, **3:** 57–66.—**Kelen, A.** Life in Utopia or the medical organization of an army camp. McGill M. J., 1944, **13:** 323–6.—**Mason, J. B.** Medical organization in the permanent camp and in the field. Med. Clin. N. America, 1941, **25:** 1527–51, map.—**Military** medicine in New York State army posts and camps. N. York State J. M., 1941, **41:** 1528–30.—**Vračarić, B.** Dužnosti sanitetske službe u rešavanju higijenskih problema u logoru. Voj. san. pregl., Beogr., 1949, **6:** 155–64.

CAMPAIGN.

See **Wars and Campaigns.**

CAMP hospital.

See **Hospital,** Camp hospital.

CANADA.

For references on Canada's military affairs see the following headings in the Military Section: **Aeromedicine; Air Force Medical Service; Dental Corps; Dental Service; Dentistry; Hospital Report; Medical Corps; Medical department; Medical examination; Medical organization; Morbidity; Naval medical service; Neuropsychiatric examination; Neuropsychiatry; Nurse; Nursing service; Nutrition service; Orthopedics; Physician; Ration; Recruiting; Rehabilitation; Surgeon; Surgical service; Tuberculosis; Venereal disease; Veterinary Corps; World War I; World War II.**

CANAL Zone.

See under **Venereal disease**—by countries.

CANNED food.

See under Ration.

CANTEEN.

See also **Food supply; Ration.**

Dreyfus-Sée, G. Les modifications au réglement des cantines. J. méd. Paris, 1939, **59**: 569.—**Herzberg, E.** Co-operative canteens. Brit. M. J., 1940, **1**: 789.

CANTEEN (of water)

See also **Water supply.**

FAIR, G. M. Disinfection of water; summary report of the effectiveness of bursoline No. 3 tablets in the disinfection of water in canteens. 9p. 28cm. Wash., 1944.

Forms No. 4, San. Engin. Rep. (NRC) Wash.

MATHIESON, D. R. Sterilization of individual water supplies (canteens) chemical, bactericidal and amoebicidal tests on single operation, individual superchlorinating-dechlorinating units. 12p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

—— Sterilization of individual water supplies (canteens) the practicability and effectiveness of potassium permanganate [iodide] iodate and citric acid mixture. 5p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

—— DUGGAN, T. L., & STOLL, A. M. Sterilization of individual water supplies (canteens) an evaluation of elemental bromine adsorbed on activated silica. 8p. 26½cm. Bethesda, 1944.

Forms Rep. No. 3, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

MATHIESON, D. R., & STOLL, A. M. Sterilization of individual water supplies (canteens) bursoline tablets; amoebicidal and storage tests. 4p. 26½cm. Bethesda, 1944.

Forms Rep. No. 4, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

—— Evaluation of canteen de-chlorinators. 1 l. 26½cm. Bethesda, 1945.

Forms Rep. No. 6, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

MOORE, F. J., & KESSEL, J. F. Sterilization of drinking water in canteens [1] l. 28cm. Wash., 1944.

Forms No. 7, San. Engin. Rep. (NRC) Wash. Abstract.

STOLL, A. M. Tests for deterioration of old stock CDC water chlor and dechlor units. 4p. 26½cm. Bethesda, 1945.

Forms Rep. No. 7, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

—— Sterilization of individual water supplies (canteens) globaline tablets; storage tests. 4p. 26½cm. Bethesda, 1945.

Forms Rep. No. 8, Res. Proj. X-110, U. S. Nav. M. Res. Inst.

Acceptability in field tests. Bull. San. Engin. (NRC) Wash., 1949, 14. meet., 135.—**Sterilization** of individual water supplies (canteens) an evaluation of elemental bromine adsorbed on activated silica. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 3.—**Sterilization** of individual water supplies (canteens) bursoline tablets; amoebicidal and storage tests. Ibid., 4.—**Webb, H. B.** Studies on tablets for individual disinfection of small water supplies for field use by troops. Mil. Surgeon, 1944, **95**: 209–16.

CANTONMENT.

See also **Barracks; Camp.**

UNITED STATES. ARMY. CONSTRUCTION DIVISION. National army cantonments; plans and photographs; June, 1918 [98] l. 22cm. Wash., 1918.

Ellsworth, S. M. Water demands and sewage production in military cantonments. Am. J. Pub. Health, 1942, **32**: 21–7.—**Gallegos Landeros, A., & Paz Berdeghel, J. J.** Papel del servicio sanitario de batallón durante el acantonamiento. Sugestiones, Méx., 1943–45, **9**: No. 115, 83–92.—**Hutcheson, R. H.** Public health problems in cantonment and extra-cantonment areas. South. M. J., 1944, **37**: 100–3.—**National** Army cantonments. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **4**: 41–158.—**Richmond, A. E.** Cantonment health administration. J. R. Army M. Corps, 1930, **54**: 356; 422.—**Shields, W. S.** Selection of sites for camps and cantonments. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 92–128.—**Underground** cities in Russia. Mil. Rev., Fort Leavenw., 1942–43, **23**: No. 2, 44.—**Watson, M.** The lesson of Mian Mir. J. Trop. M. Hyg., Lond., 1931, **34**: 183–5, chart.

—— Extra-cantonment area.

Blanchard, C. K. Health in extra cantonment areas. Pub. Health News, Trenton, 1942, **26**: 179–83.—**Quezon, M. L.** Executive Order No. 203 designating Philippine Army extra cantonment zones in all mobilization centers and empowering the Director of Health to promulgate all needful health rules and regulations therein. Month. Bull. Bur. Health, Philippines, 1939, **19**: 249.

CAP.

See also **Clothing.**

HAGAN, E. T. Cap—summer, attached sunglasses (commercial) 9p. 26½cm. Dayton, 1949.

Forms No. MCREXD-666-16J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Potential hazard in service cap insignia. Bull. U. S. Army M. Dep., 1944, No. 77, 18.

CAPTURE.

See in this section **Hospital,** captured; **Prisoner of War.**

CARBON monoxide.

See also **Aircraft,** Hazards; **Aircraft carrier; Aircrew,** Hygiene.

Doku-gasu tosite no iti-sanka tanso [Carbon monoxide] Tōzai igaku, 1941, **8**: 334, &c.

—— Analysis and determination.

CHINN, H. I. A method for the determination of carbon monoxide in alveolar air, together with a correlation of values thus obtained with carboxyhemoglobin concentrations in blood. 9 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 233, U. S. Air Force School Aviat. M.

—— A method for the determination of CO in alveolar air. 8p. 27cm. Randolph Field, 1946.

Forms Rep. No. 2, Proj. No. 233, U. S. Air Force School Aviat. M.

CONSOLAZIO, W. V., PECORA, L. J. [et al.] The evaluation of methods for determining the concentration of carbon monoxide. 15p. 26½cm. Bethesda, 1945.

Forms Rep. No. 5, Res. Proj. X-417, U. S. Nav. M. Res. Inst.

HALL, F. G. Carbon monoxide determination. 14 l. 27cm. Dayton, 1943.

Forms No. ENG-49-696-41, Memo Rep. Aero M. Laborat. U. S. Air Force.

HALL, J. F., jr. Substances affecting the iodine pentoxide method for the determination of carbon monoxide in gas; samples and methods for their removal. 8 l. 27cm. Dayton, 1943.

Forms No. ENG-49-695-31, Memo Rep. Aero M. Laborat. U. S. Air Force.

PITTS, G. C. A modification of the iodine pentoxide method for the analysis of carbon monoxide in small gas samples. 7p. 26½cm. Bethesda, 1947.

Forms Rep. No. 11, Res. Proj. X-417, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. T–9: Final report on Project No. T–9, NDRC infra-red gas analyzer for determination of rapidly changing carbon monoxide concentrations. v. p. 28cm. Fort Knox, 1945.

Breitenecker. Testing for carbon monoxide. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 144–6.—**Carbon** monoxide poisoning; examination of specimens in suspected cases. J. R. Nav. M. Serv., 1949, **35**: 126.—**Evaluation** (The) of methods for determining the concentration of carbon monoxide. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 21.—**Preservation** of blood containing carbon monoxide for transportation from the field to the laboratory. Bumed News Lett., Wash., 1944, **4**: 10.—**Seydel, F.** Stufenphotometrische Kohlenoxydbestimmung im Blutstropfen. Deut. Militärarzt, 1939, **4**: 223.

—— Blood absorption.

See under subheading (Metabolism)

—— Effect.

Behnke, A. R., White, W. A., jr [et al.] A study of repeated daily short exposure to high concentrations of carbon monoxide. 5 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–160, U. S Nav. M. Res. Inst.

Scobee, R. G., & Chinn, H. I. The effect of carbon monoxide on night visual efficiency. 2p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 234, U. S. Air Force School Aviat. M.

Vollmer, E. P., King, B. G. [et al.] The effects of carbon monoxide on three types of performance, at simulated altitudes of 10,000 and 15,500 feet. 16p. 26½cm. Bethesda, 1945.

Forms Rep. No. 7, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

Effects (The) of carbon monoxide on three types of performance, at simulated altitudes of 10,000 and 15,500 feet. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 23.

—— Indicator and detection.

Houghten, F. C., White, W. A., jr, & Davis, F. H. A study of the accuracy and reliability of the Mine Safety Appliances Carbon Monoxide Alarm. 14p. 26½cm. Bethesda, 1943.

Forms Rep. No. 3, Res. Proj. X–160, U. S. Nav. M. Res. Inst.

Pecora, L. J., & Consolazio, W. V. An evaluation of the Sjöstrand carbon monoxide indicator. 4p. 27cm. Bethesda, Md, 1946.

Forms Rep. No. 10, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

Evaluation (An) of the Sjöstrand carbon monoxide indicator. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 16.—**Lauche.** Carbon monoxide poisoning and detection of CO. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 138; Disc., 145.

—— Metabolism.

Behnke, A. R., White, W. A., jr [et al.] Measurements of CO absorption in man; a formula for computing concentration vs time of exposure. 16 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 2, Res. Proj. X–160, U. S. Nav. M. Res. Inst.

Forbes, W. H., Sargent, F., & Roughton, F. J. W. The rate at which carbon monoxide is taken up by man. 17p. 28cm. Wash., 1942.

Forms Rep. No. 97, Com. Aviat. M. U. S. Nat. Res. Counc.

Goldman, D. E. The physics of respiratory gas exchange; carbon monoxide uptake in man. 8p. 26½cm. Bethesda, 1947.

Forms Rep. No. 12, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

Lilienthal, J. L., jr, & Pine, M. B. The effect of varying partial pressures of oxygen and carbon monoxide on the uptake of carbon monoxide in man; with a note on the NBS Analyzer for alveolar CO. 11p. 28cm. Wash., 1943.

Forms Rep. No. 253, Com. Aviat. M. U. S. Nat. Res. Counc.

Pace, N. A nomograph for the estimation of the uptake of carbon monoxide by the blood of flying personnel. 9p. 26½cm. Bethesda, 1945.

Forms Rep. No. 8, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

—— A nomograph for the estimation of the uptake of carbon monoxide by flying personnel breathing air or breathing through a diluter demand regulator. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 9, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

—— Consolazio, W. V. [et al.] The rate of blood absorption of low concentrations of carbon monoxide in ambient air at simulated altitudes up to 10,000 feet. 2 pts [9] l.; 14p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1 & 2, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

Pitts, G. C., & Pace, N. The relationship between various levels of COHb in the blood and the equivalent physiological altitude. 20p. 26½cm. Bethesda, 1944.

Forms Rep. No. 3, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

—— The rate of blood absorption of low concentrations of carbon monoxide at sea level. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 6, Res. Proj. X–417, U. S. Nav. M. Res. Inst.

Roughton, F. J. W., & Darling, R. C. The effect of carbon monoxide hemoglobin on the oxygen dissociation curve of blood. 9p. 28cm. Wash., 1942.

Forms Rep. No. 93, Com. Aviat. M. U. S. Nat. Res. Counc.

Ryder, H. W., Engel, G. L. [et al.] The effect of carbon monoxide hemoglobinemia of approximately 20% on the cerebral blood flow, gas exchange, and electroencephalogram in human beings. 4p. 28cm. Wash., 1942.

Forms Rep. No. 95, Com. Aviat. M. U. S. Nat. Res. Counc.

Tobias, C. A., & Lawrence, J. H. The elimination of carbon monoxide from the human body with reference to the possible conversion of CO to CO_2. 13p. 28cm. Wash., 1945.

Forms Rep. No. 458, Com. Aviat. M. U. S. Nat. Res. Counc.

Diringshofen, H. v. Die Sauerstoffsättigung des Blutes bei Kohlenoxydeinatmung und Höhenwirkung. Luftfahrtmedizin, 1938–39, **3**: 216–9.—**Lawrence, J. H., & Tobias, C. A.** Is CO oxidized to CO_2 in the human body. Air Surgeon's Bull., 1945, **2**: 452.—**Nomograph** (A) for the estimation of the uptake of carbon monoxide by the blood of flying personnel. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July-Dec., 23.—**Pace. N.** Function of liver in carbon monoxide metabolism. (). Project Summary Off. Nav. Res., 1948, July, 391.—**Rate** (The) of blood absorption of low concentrations of carbon monoxide in ambient air at simulated altitudes up to 10,000 feet. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 33.—**Rate** (The) of blood absorption of low concentrations of carbon monoxide at sea level. Ibid., 1945, Jan.–June, 22.—**Relationship** (The) between various levels of COHb in the blood and the equivalent physiological altitude. Ibid., 1944, July, 34.

—— Poisoning.

See also **World War II,** Leningrad siege.

Archer, B. C. Carbon monoxide poisoning associated with confusional psychosis and a striatal syndrome. J. R. Nav. M. Serv., 1941, **27**: 84–7.—**Buhtz.** Poisoning by carbonic monoxide. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 139–43; Disc., 145.—**Dervillée, L'Epée & Lanta.** Résultats d'une enquête régionale sur les intoxications oxycarbonées aiguës des gazogènes pendant la période de guerre. Méd. usine, 1948, **10**: 330–3.—**Gillies, H.** Mental sequelae in acute carbon monoxide poisoning and brain injury. J. R. Nav M. Serv., 1945, **31**: 60–2.—**Lauche.** Die Ursachen der tödlichen CO-Vergiftungen bei Soldaten. Ber. Arbeitstag. berat Aerzte, 1944, **4**: 125.—**Meigs, J. W.** Carbon monoxide poisoning. Bull. U. S. Army M. Dep., 1948, **8**: 542–6.—**Proctor, R. L. G.** Twelve fatal cases of carbon monoxide poisoning due to enemy action. J. R. Nav. M. Serv., 1943, **29**: 68–70.—**Richmond, A. E.** Carbon monoxide poisoning; a review. J. R. Army M. Corps, 1939, **73**: 79–95.—**Velkovich,**

B. G. Klinika ostrykh otravlenii okisiu ugleroda na fone khronicheskogo vozdeistviia etogo iada. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 131–7.

—— Protection and tolerance.

Macdonald, T. C., Roxburgh, H. L., & Mackay, G. D. The basis for present R. A. F. standards of carbon monoxide tolerance in aircraft. 3 l. 23½cm. Lond., 1941.
Forms F. P. R. C. No. 350, Gr. Britain Flying Pers. Res. Com.

Pitts, G. C., & O'Neal, J. D. Effect of ozone on carbon monoxide uptake. 5p. 26½cm. Bethesda, 1948.
Forms Rep. No. 13, Res. Proj. NM 001 005 (or, X–417) U. S. Nav. M. Res. Inst.

Stewart, W. K., & Worthington, M. E. Note on physiological protection against carbon monoxide inhalation. 3 l. 26cm. Lond., 1942.
Forms F. P. R. C. 405, Gr. Britain Flying Pers. Res. Com.

Effect of ozone on carbon monoxide uptake. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 2.

—— Sources and hazards.

See also **Aircraft,** Hazards; **Gas poisoning; Shelter; Tank; Vehicle.**

Bouyssy, M. *Le danger oxycarboné en temps de paix, en temps de guerre. 156p. 24½cm. Par., 1938.

Chinn, H. I. CO-hemoglobin levels of workers employed in plane repair shops. 6p. 27cm. Randolph Field, 1946.
Forms Rep. No. 1, Proj. No. 465, U. S. Air Force School Aviat. M.

Girauld, A. *Le danger oxycarboné en temps de guerre. 26p. 24cm. Par., 1939.

Pappenheimer, J. R. Carbon monoxide in military aircraft. 14p. 28cm. Wash., 1942.
Forms Rep. No. 94, Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. Aero Medical Laboratory [Wright Field, Ohio] Memorandum report No. ENG–M–49–695–24: Carbon monoxide (CO) in portable shelters heated with Evans gasoline heaters. 9 l. 26½cm. Dayton, 1943.

Bauer, F. K. Carbon monoxide poisoning. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 24.—**Carbon** monoxide studies of pilots of P–47 aircraft. Air Surgeon Bull., 1944, **1**: No. 7,. 4—**Mori, H., Kurasima, S., & Kuroiwa, K.** Tōtan, rentan ni yoru iti-sankatanso tyūdoku no ni rei [from the use of pressed bean-cake and briquettes (pressed coal-dust) as fuel] Hokuetu igakkai zassi, 1942, **57**: 217–27.—**Noro, L.** Ueber die durch Motorabgase verursachten Kohlenoxydvergiftungen bei der Mannschaft von Panzerformationen. Acta med. scand., 1945, **121**: 382–91.—**Roth, T.** Akute Kohlenoxydvergiftung im Flugzeug. Luftfahrtmed. Abh., 1938, **2**: 248–51.

CARBON tetrachloride.

See also **Poisoning.**

Carbon tetrachloride poisoning. U. S. Nav. M. Bull., 1944, **43**: 396.—**Conaway, H. B., & Hoven, F.** Electrocardiographic changes in carbon tetrachloride poisoning. Ibid., 1946, **46**: 593–5.—**Dillenberg, S. M., & Thompson, C. M.** Carbon tetrachloride poisoning; a report of twenty cases with one death. Mil. Surgeon, 1945, **97**: 39–44.—**Losse, H.** Carbon-tetrachloride poisoning. Med. Bull. Europ. Command, 1949, **6**: No. 10, 13–20.—**Perry, W. J.** Carbon tetrachloride poisoning; a report of 88 cases. Army M. Bull., 1942, No. 64, 70–5.—**Sanford, S. P.** Carbon tetrachloride poisoning. U. S. Nav. M. Bull., 1943, **41**: 1486–8.—**Schubert, R.** Akute Tetrachlorkohlenstoff-Vergiftung durch Feuerlöscher im Flugzeug. Deut. Militärarzt, 1942, **7**: 457–9.—**Sherman, S. R., & Binder, C. F.** Hazards of carbon tetrachloride in present-day use. U. S. Nav. M. Bull., 1944, **43**: 590–9.—**Squires, R. D.** Carbon-tetrachloride intoxication. Med. Bull. Europ. Command, 1948, **5**: No. 7, 30–8.

CARDIOLOGY.

See also **Internal medicine.**

Leedham, C. L. Aviation cardiology; an outline of the diseases of the cardiovascular system as applied to aviation medicine. 2. ed. 227p. 26cm. Randolph Field, 1940.

United States. War Department. Technical manual TM 8–305: Notes on cardiology in aviation medicine. 204p. 23cm. Wash., 1940.

Bishop, L. F., jr. Cardiology in the Army Air Forces, A. U. S. Bull. internat. Serv. santé, Liége, 1946, **19**: 209–17.—**Bramwell, C.** War-time problems of a cardiologist. Glasgow M. J., 1942, **137**: 1–21, 2 pl.—**Connor, L. A.** Division of Internal Medicine: Cardiovascular Section. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 377–81.—**Hyman, A. S.** The newer cardiology and aviation medicine. N. York Physician, 1941–42, **17**: 18–23.—**Niehaus, F. W.** Cardiology as related to military medicine; a consideration of certain cardiac findings and lesions. Nebraska M. J., 1942, **27**: 343; passim.—**Sales, L. M.** Some aspects of cardiology as seen at the Veterans Administration, Indianapolis, Indiana. J. Indiana M. Ass., 1945, **38**: 293–5.—**Treupel, G.** Kriegsärztliche Herzfragen. Med. Klin., Berl., 1915, **11**: 356–9.

CARDIOTACHOMETER.

See under **Acceleration,** Cardiovascular effect.

CARDIOVASCULAR system.

See also **Cardiology;** also the following headings in this section: **Acceleration; Altitude; Anoxia; Aviator; Blood vessel; Disease; Flying; Injury**—by organs; **Medical examination; Surgical technic; Wound**—by organs.

Nicoll, P. A., & Webb, R. L. Studies on the behavior of the vascular network in an intact mammal. 13p. 27cm. Dayton, 1948.
Forms No. MCREXD–696–112E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Riley, R. L., & Remington, J. W. Dye injection method for determination of cardiac output. 5 l. 26½cm. Pensacola, 1947.
Forms Rep. No. 1, Proj. No. X–726, Res. Rep. U. S. Nav. School Aviat. M.

Fishberg, A. M., & Jackson, C. E. Cardiovascular [system] In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **4**: No. 11, 1–33.—**Godinov, V. M.** Portálnaia reflexogennaia zona. Tr. Voen. morsk. med. akad., 1949, **17**: 107–16, 7 pl.—**Kvale, W. F., & Herndon, E. G.** Cardiovascular [system] In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **4**: No. 12, 1–44.—**Rogov, A. A.** O sosudistykh reflexakh cheloveka. Tr. Voen. morsk. med. akad., 1949, **17**: 321–31.—**Taussig, H. B., & Jackson, C. E.** Cardiovascular [system] In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **5**: No. 2, 1–41.—**Visscher, M. B., & Jackson, C. E.** Cardiovascular [system] Ibid., **4**: No. 10, 1–43.—**Winsor, T., & Jackson, C. E.** Cardiovascular [system] Ibid., **5**: 1–28.

CARE.

See such headings as **Aviator,** Care; **Dental care; Disabled,** Care; **Medical care; Prisoner of war,** Care; **Tuberculous,** Care; **Wounded,** Care.

CARIBBEAN defense.

See under **World War II.**

CAROLINES battle.

See under **World War II.**

CARTHAGENA expedition (1741)

See **Wars and campaigns.**

CASUALTY.

See also **Aid station; Clearing station; Collecting station; Disease; Injury; Wounded.** For statistical data see also **Morbidity; Mortality; Wars and campaigns; World War I; World War II.**

Belickaia, E., Andreev, F., & Punin, B. Poteri voennye liudskie. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 784–94.—**Campbell, J. L.** Casualties in army and civil life. J. M. Ass. Georgia, 1941, **30**: 479.—**Hamburger, P.** Case history of a casualty. American Mercury, 1944, **58**: 75–81 (clipping)—**Johnson, W., & McMurray, T. P.** Problems of war casualties. Brit. M. J., 1941, **1**: 490.—**McLaughlin, C. W.,** jr. War casualties at home and abroad. Nebraska M. J., 1942, **27**: 346–9.—**Military** casualties and accidents among workers.

J. Am. M. Ass., 1943, **122**: 239.—**Narat, J. K.** The handling of war casualties. Am. J. Surg., 1945, **67**: 106–10.—**Pickett, S. E.** Casualty rate among American nurses in military service. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 1031.—**Rust, B. K.** War casualties. Bull. Mahoning Co. M. Soc., 1944, **14**: 9; 14.

—— airborne.

See **Air evacuation,** Organization.

—— air raid.

See also **Air raid; Dead; Injury; Wound; Wounded.**

Air-raid casualties. In: Effects of Bomb. Japan (U. S. Strateg. Bomb. Surv.) Wash., 1947, 142–58, illust., tab.—**Air raid** casualties in October. J. Am. M. Ass., 1942, **118**: 396.—**Air-raid** casualties surveyed. Lancet, Lond., 1940, **2**: 473.—**Air raid** casualty organization. S. Mary Hosp. Gaz., Lond., 1940, **46**: 135.—**Assistenza** (Per l') immediata delle vittime dei bombardamenti. Minerva med., Tor., 1940, **31**: pt 1, varia, 564–6 (microfilm)—**Bauer, F. K.** The nature of air raid casualties. In: Effect of Bomb. Germany (U. S. Strateg. Bomb. Surv.) Wash., 1945, 14–29, illust.; 2. ed., Wash., 1947, 14–29, illust.—**Casualties** of air raids. J. Am. M. Ass., 1938, **111**: 1481; 2223.—**Casualties** (The) of German reprisal raids. Ibid., 1942, **119**: 962.—**Civilian** (The) casualties of air raids [Great Britain] Ibid., 1941, **117**: 131.—**Civilian** casualties sustained in 11 months of air raids [Great Britain] Ibid., 1943, **121**: 274.—**Colt, G. H.** A. R. P. casualties. Brit. M. J., 1941, **1**: 378.—**Cooray, G. H.** An analytical study of air-raid casualties treated at the General Hospital, Colombo, with special reference to some clinical features. J. Ceylon Brit. M. Ass., 1942, **39**: 197–217, 8 pl.—**Eastwood, S. R.** Air raid casualties in an E. M. S. hospital. Q. Rev. Med. Women Fed., Lond., 1941, Apr., 17–27.—**Freebody, D.** Some observations on casualties in a recent air raid. Proc. R. Soc. M., Lond., 1943–44, **37**: 230–2.—**Grant, R. T.** Observations on air raid casualties. Guy's Hosp. Gaz., Lond., 1941, **55**: 90–5.—**James, N. E.** Air raid casualties. J. Christ. M. Ass. India, 1943, **18**: 303–15.—**King, W. S., & Moller, A. W.** Experiences of air bombardment in an urban area. Vet. J., Lond., 1943, **99**: 258–68.—**Later** air-raid casualties. Rep. Chief M. Off. Min. Health, Lond. (1939–45) 1946, 143–7.—**Maxwell, C. L.** The medical aspects of air raid casualties and air raid precautions and treatment. J. Aviat. M., 1941, **12**: 212–7.—**Patey, D. H.** Some observations on air-raid casualties. Middlesex Hosp. J., 1940, **40**: 122–5.—**Peters, R. J., Dunlop** [et al.] Civil defence casualties. Tr. R. Med. Chir. Soc. Glasgow, 1942–43, **39**: 41–3.—**Reduction** in civilian air raid casualties. J. Am. M. Ass., 1941, **117**: 2089; 2184.—**Shirlaw, G. B.** Classification of air-raid casualties. Lancet, Lond., 1940, **2**: 344.—**Siddons, A. H. M.** [et al.] Air raid casualties. Bull. War M., Lond., 1942–43, **3**: 3 (Abstr.)—**Templeton, W. L., Ball, M., & Quist, G.** Air-raid casualties. Brit. M. J., 1941, **1**: 416.—**Weddell, J. M.** Air raid casualties. J. R. Army M. Corps, 1939, **73**: 73–8.

—— amphibious.

See **Injury**—by branch of service.

—— animal.

Barton, W. P. Some animal casualties by enemy action. Vet. J., Lond., 1943, **99**: 53.—**Casualties.** J. R. Army Vet. Corps, 1941–42, **13**: 23.—**Mace, D. L.** Animal casualties from chemical warfare agents. J. Am. Vet. M. Ass., 1941, **99**: 209.

—— atomic bomb.

See also **Atomic warfare; also Atomic Bomb Casualty Commission.**

[United States] Atomic Bomb Casualty Commission. General report, January 1947. 112p. 27cm. Wash., 1947.

Atomic Bomb Casualty Commission. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 53.—**Brues, A., & Henshaw, P. S.** Long-term follow-up on atomic bomb casualties. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 10–2.—**Lapp, R. E.** Atomic bomb casualties. In his Must We Hide? Cambr., 1949, 12–21.—**National** Academy of Sciences, National Research Council Committee on Atomic Casualties, Atomic Bomb Casualty Commission report, January 1, 1949, to June 30, 1949. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 176–8.—**Tentative** list of ophthalmological equipment for consultants to Atomic Bomb Casualty Commission of the Committee on Atomic Casualties, National Research Council. Bull. Ophth. (NRC) Wash., 1949, 141.—**Tuzuki, M.** Damages and casualties by the atomic bomb. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 86–93.

—— Battle casualty.

See also **Battlefield,** Medical activities.

Mann, W. L., jr. Combat and non-combat personnel casualties. 45p. 4° Wash., 1937.

United States. War Department. Technical bulletin TB-MED 147: Notes on care of battle casualties. 18p. 26cm. Wash., 1945.

Care of battle casualties. Circ. Lett. Chief Surgeon Europ. Theater Oper., 1944, No. 101, 1–9.—**Cleghorn, R. A.** Interim report on clinical and physiological observations on battle casualties. J. Canad. M. Serv., 1944–45, **2**: 145–55.—**Danckwerts, P. V.** Experiences of a battle-casualty. Health Horizon, Lond., 1946, No. 3, 45–9.—**Hawley, P. R.** Organization and care of battle casualties. Am. J. Surg., 1947, **74**: 680–6.—**Notes** on care of battle casualties. Bull. U. S. Army M. Dep., 1945, **4**: 245–65.—**Notes** on care of battle casualties. Circ. Lett. Surgeon Mediterr. Theater U. S. Army, 1945, No. 8, 1–20.—**Notes** on care of battle casualties. War Med., Chic., 1945, **7**: 234–48.—**Prior, A. P.** Post-mortem appearances in battle casualties. J. R. Army M. Corps, 1944, **82**: 275–8.

—— chemical.

See also **Injury,** chemical.

Haggard, H. W. Chemical casualties. Connecticut M. J., 1942, **6**: 864–71. Also in Essent. Emerg. Tr. (Connecticut M. J.) N. Haven, 1942, 128–37.

—— Comparative statistics.

Duncan, L. C. The comparative mortality of disease and battle casualties in the historic wars of the world. J. Mil. Serv. Inst., U. S., 1914, **54**: 140–77.—**Jungblut.** Betrachtungen über Kriegsverluste durch Waffen und Krankheiten. Deut. Militärarzt, 1936, **1**: 49–52.—**Kawiński, J.** [Statistics of losses during the last wars] Lek. wojsk., 1932, **20**: 1; 73.—**Roddis, L. H.** Naval and Marine Corps casualties in the wars of the United States. Mil. Surgeon, 1946, **99**: 305–10.—**Werner.** Kriegsverluste einst und jetzt. Rotes Kreuz, Berl., 1906, **24**: 682.

—— Died of wound in action.

Snyder, H. E., & Culbertson, J. W. Study of Fifth Army Hospital battle casualty deaths; an analysis of case reports from field and evacuation hospitals on 1450 fatally wounded American soldiers; a preliminary report. 3v. 27cm. Gardone Riveira, 1945.

Demmer, F. Ueber die primären Todesursachen nach Verletzungen im Felde. Zbl. Chir., 1943, **70**: 1537 (Abstr.)—**Rothmann, A.** Spättod nach Kriegsverletzungen. Klin. Wschr., 1942, **21**: 509.—**Snyder, H. E., & Culbertson, J. W.** Causes of death in battle casualties reaching hospitals. Am. J. Surg., 1947, **73**: 184–98.—**Taschner, A.** Spättod nach Kriegsverletzung. Wien. med. Wschr., 1947, **97**: 343–7.

—— Gas casualty.

See also **Gas poisoning; Injury,** chemical.

Gordon, J. E. Gas casualties. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 8, 1–4, 3 pl.—**Reception** of gas casualties. Bull. Army M. Dep., Lond., 1943, No. 28, 3.—**Reception** of gas casualties. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 14, 27–9.—**Waitt, A. H.** Gas casualties. J. Internat. Coll. Surgeons, 1944, **7**: 296–300.

—— Killed in action.

Kettler, L. Ueber die unmittelbare Todesursache bei Kriegsverletzungen. Deut. Militärarzt, 1942, **7**: 511–6.

—— Military loss.

Lamport, H. The military loss resulting from a casualty related to the days lost from active duty. 8p. 28cm. Wash., 1945.

Forms No. 15, Missile Casualties Rep. Div. M. Sc. U. S. Nat. Res. Counc.

United States. National Research Council. Division of Medical Sciences. Missile casualties report. Wash., No. 13, 1945–

Brandi, B. Voraussichtliche Kriegsverluste und die Möglichkeiten ihrer Berechnung. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 93–116; Disc., Proc., 151–63.—**Kończacki, A.** Wzkazówki do obliczenia strat oddziałów walezących, ich rozmieszczenia oraz zapotrzebowania środków transportowych. Lek. wojsk., 1926, **7**: 259–73, 2 pl. Also Spanish transl. Rev. san. mil., B. Air., 1929, **28**: 245–66.—**Lamport, H.** The relationship between the military loss resulting from a casualty and the days lost from active duty. Yale J. Biol., 1945–46, **18**: 567–75.—**Love, A. G.** Probable casualties in war and methods of calculation. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 119–45.

—— Missing in action.

Loi allemande sur la disparition des militaires, la déclaration de décès et la fixation de la date de la mort. Rev. internat. Croix Rouge, 1942, **24**: 902–4.

—— naval.

Andreev, F., & Punin, B. Poteri v voenno-morskom flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 792–4.—**Bowles, J. P., Dorgan, L. T., & Marron, J. R.** Two unusual types of casualty to naval personnel. U. S. Nav. M. Bull., 1942, **40**: 890, pl.—**Creagh, G. B.** Battle casualties aboard a light cruiser. Ibid., 1943, **41**: 937–45.—**Cuono, J. D.** Comments on casualties aboard assault cargo vessel; with report of two thoracic cases. Ibid., 1945, **44**: 1273–6.—**Dunlop, G. R.** Casualty handling afloat; practical problems. Ibid., 901–8.—**Groseclose, E. S.** Troop casualties aboard an attack transport. Mil. Surgeon, 1945, **97**: 100–5.—**Ishiguro.** Ueber Verwundung und Krankheitsfälle bei den Marine-Mannschaften [Japanese text; German abstr., Hft. 11] Mitt. Med. Ges. Tokyo, 1905, **19**: 509–16.—**Zur Verth.** Seekriegsverletzungen. Deut. med. Wschr., 1913, **39**: 774. Also Münch. med. Wschr., 1913, **60**: 1056.

—— Non-battle casualty.

See also **Injury**, accidental.

Drigalski, W. v. Allgemeine Uebersicht über Kriegsverluste. In his Aufstieg d. San. Korps, Oldenb., 1939, 25–9.—**Soltau, A. B.** War wastage from minor ailments. J. State M., Lond., 1922, **30**: 461–9.

—— Prevention.

See also **Body armor.**

Prevention (The) of unnecessary casualties in wartime. J. R. Nav. M. Serv., 1943, **29**: 110–4.—**Scalone, I.** A proposito della limitazione delle mutilazioni. Policlinico, 1916, **23**: sez. prat., 1019–22.

—— Reception, care, disposition, and sorting.

Cutler, E. C. Plans for the reception, care and disposition of casualties. In: Interallied Conf. War Med. (1942–45) 1947, 424–6.—**Debenham, R. K., & Kerr, A. B.** Triage of battle casualties. J. R. Army M. Corps, 1945, **84**: 125–9.—**Donald, C.** Arrangements in Southern Command for the reception and grouping of casualties. In: Interallied Conf. War Med. (1942–45) 1947, 427–31.—**Gillespie, B., & Owens, J. C.** Reception and treatment of casualties aboard an assault transport. U. S. Nav. M. Bull., 1944, **43**: 245–52.—**Morgan, J. G.** Formation of a control post for the triage of casualties between an Army and base hospitals. J. R. Army M. Corps, 1945, **84**: 132.—**Murison, C. S.** Walking cases. J. R. Nav. M. Serv., 1916, **2**: 23.—**Shepherd, J. A.** Organization of a casualty reception unit. Ibid., 1946, **32**: 257–63.—**Shirlaw, G. B.** Casualty services. Nurs. Times, Lond., 1940, **36**: 851; 875; 897; 933; 959.

—— Reporting.

See also **Battlefield.**

Register (The) of sick and wounded—tentative. 16p. 4° Carlisle Barracks, 1938.

United States. Department of the Army. Army Regulations No. 40–1025; Medical Department: The report of sick and wounded. 7p. 8° Wash., 1924.

—— No. 40–1030; the register of sick and wounded. 14p. 8° Wash., 1924. Also other issue. 8p. 8° Wash., 1927. Also 3p. 8° Wash., 1933.

—— No. 40–5; the register of sick and wounded. 3p. 8° Wash., 1934.

Alderman, F. H. Required reporting of casualties in the field. Hosp. Corps Q., 1949, **22**: No. 2, 20–32.—**Herbert, G. F.** Casualty reporting. Mil. Rev., Fort Leavenw., 1944, **24**: No. 5, 48–51.

—— Shipwreck.

See **Shipwreck.**

—— Wounded in action.

See chiefly **Wounded.**

Wilson, W. C. State of men severely wounded in battle. Lancet, Lond., 1944, **1**: 587–91.

CASUALTY bag.

See also **Bag; Blanketing; Evacuation.**

Green, J. C., & Smith, F. K. Field test of the bag, casualty, evacuation (experimental) 6p. 26½cm. Ladd Air Force Base, 1950.

Forms Proj. No. 21–01–023, U. S. Air Force Arct. Aeromed. Laborat.

Bag and/or equipment for casualty evacuation. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 279.

CATALOG.

See **Supply catalog.**

CATAPULTAGE.

See **Acceleration,** vertical; **Aircraft,** Ejection seat.

CATARRHAL fever.

See **Epidemic,** Types: Common cold.

CAUDA equina injury.

See under **Nervous system;** Injury.

CAVALRY.

See also **Armored cavalry; Reconnaissance; Tank;** also **Horse.**

Soper, A. C., & Pierce, J. T. Surgeon's handbook for the mounted service, in field and garrison. 78p. 8° Kansas City, 1926.

Georgievsky, A. Kavaleriia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1063–70.—**Gramillo Fernández, A.** Contribución al estudio para la organización de nuestra caballería de ejército. Rev. mil., B. Air., 1938, **38**: pt 1, 663; 885; 1169.—**Igoshin, V. A.** Kozhnye zabolevaniia sredi kavaleristov. Voen. med. J., Moskva, 1946, No. 6, 11–4.

—— motorized.

See **Armored cavalry.**

CAVALRY field ambulance.

See **Ambulance service,** History.

CELLULITIS.

See under **Wound infection.**

CENSORSHIP.

For references see under **Information; Prisoner of war,** Correspondence; **Publication; Public information; Security.**

CENSUS.

See also **Manpower; Recruiting; Statistics.**

Meynier, A. Levées et pertes de militaires en France de 1792 à 1815. Congr. internat. popul. (1937) 1938, 1. Congr., **2**: 98–104.—**Reyes, F. E.** El primer Congreso de la población y los problemas demográfico-militares; tasas cuantitativas y potencialidad militar. Rev. mil., B. Air., 1941, **41**: pt 2, 1279–302.

CENTER.

See such terms as **Hospital center; Medical center; Rehabilitation center; Training center.**

CENTRAL Pacific.

See under **World War II.**

CENTRIFUGAL force.

See also **Acceleration,** centrifugal; **Aviator,** Eye; **Centrifuge.**

MacInnes, D. A., & Ray, B. R. The effect of centrifugal force on the EMF of galvanic cells. Science, 1947, **105**: 636.—**Stewart, W. K.** Investigations on centrifugal force. J. Physiol., Lond., 1945–46, **104**: Proc., 7.

—— Biological effect.

See also **Acceleration,** Blackout; **Blackout** of pilot.

Davidson, S., & Stewart, W. K. Note on some physiological effects of low values on centrifugal force encountered in flight. 7 l. 29cm. Lond., 1944.

Forms F. P. R. C. No. 573, Gr. Brit. Flying Pers. Res. Com.

Gougerot, L. *Effets physiologiques des forces d'inertie; étude des effets circulatoires,

respiratoires et vestibulaires chez l'aviateur. 96p. 24cm. Par., 1940.

HALLENBECK, G. A., & ENGSTROM, R. L. The response of normal dogs to prolonged exposure to centrifugal force. 5p. 28cm. Wash., 1944.

Forms Rep. No. 279, Com. Aviat. M. U. S. Nat. Res. Counc.

HOLT, J. P. The effect of centrifugal force on the carotid blood pressure of dogs and the use of a water suit in modifying this effect. 5p. 28cm. Wash., 1942.

Forms Rep. No. 63, Com. Aviat. M. U. S. Nat. Res. Counc.

RUSHMER, R. F. Physiology of increased intrathoracic pressure in relation to the effect of centrifugal forces. 4 pts. 27cm. Randolph Field, 1943–44.

Forms Rep. No. 1–4, Proj. No. 160, U. S. Air Force School Aviat M.

Bergin, K. G. Methods of studying the effects of centrifugal force on man. In his Aviat. Med., Bristol, 1949, 115–9, illust.—**Clark, W. G., Gardiner, I. D. R.** [et al.] The effect of positive acceleration on fluid loss from blood to tissue spaces in human subjects on the centrifuge. Fed. Proc., Balt., 1946, **5**: No. 1, pt 2, 17.—**Franks, W. R., Kerr, W. K., & Rose, B.** Some effects of centrifugal force on the cardio-vascular system in man. J. Physiol., Lond., 1945–46, **104**: Proc., 9. ——— Some neurological signs and symptoms produced by centrifugal force in man. Ibid., Proc., 10.—**Graybiel, A., & Brown, R. H.** The delay in visual reorientation following exposure to a change in direction of resultant force on a human centrifuge. Minutes Armed Forces NRC Vision Com., 1949, 24. meet., 123.—**Lambert, E. H., & Slaughter, O. L.** Venous pressure in the extremities of man during positive acceleration on a centrifuge. Fed. Proc., Balt., 1947, **6**: 146. ——— Plethysmographic study of leg volume changes in man during positive acceleration on a centrifuge. Ibid., 203.—**Lambert, E. H., & Wood, E. H.** The problem of blackout and unconsciousness in aviators. Med. Clin. N. America, 1946, **30**: 833–44.—**Maaske, C. A., Maison, G. L., & Hallenbeck, G. A.** Pattern of human cardiac response to centrifugal force. Fed. Proc., Balt., 1945, 4: 48.—**Maison, G. L., Maaske, C. A., & Martin, E. E.** Sensory effects of centrifugal force on man when seated. Ibid., 48.—**Matthews, B. H. C.** The effects of mechanical stresses on man. Brit. M. J., 1945, **2**: 114–7.—**McIntyre, A. K.** Some subjective effects of angular and centrifugal accelerations. J. Physiol., Lond., 1945–46, **104**: Proc., 11.—**Mesolella, V.** Alterazioni istologiche dell'orecchio, del naso, della laringe e della trachea per effetto dell'accelerazione centrifuga; ricerche nelle cavie. Atti Clin. otolar. Napoli, 1939–41, **15**: 309–53, 10 pl.—**Pezzeri, V.** Azione della forza centrifuga sull'apparato cardiovascolare; ricerche sperimentali elettrocardiografiche. Riv. med. aeronaut., 1942, **5**: 130–79.—**Rose, B., Kerr, W. K., & Franks, W. R.** On the effects of centrifugal force on the cardio-vascular system in man. Rev. canad. biol., 1947, **6**: 174.—**Stewart, W. K.** Some observations on the effect of centrifugal force in man. J. Neur. Psychiat., Lond., 1945, **8**: 24–33.

—— Tolerance.

CLARK, W. B., & GRAYBIEL, A. Studies of human adaptation to centrifugal force; visual perception of the horizontal. 19 l. 27cm. Pensacola, 1949.

Forms Proj. No. NM 001 059.01.22, Res. Rep. U. S. Nav. School Aviat. M.

HALLENBECK, G. A., BALDES, E. J. [et al.] The effect of immersion in water on the tolerance of dogs to centrifugal force. 8p. 28cm. Wash., 1944.

Forms Rep. No. 278, Com. Aviat. M. U. S. Nat. Res. Counc.

RUSHMER, R. F. A study of the role of intra-abdominal pressure in tolerance to centrifugal force. 18p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 316, U. S. Air Force School Aviat. M.

STEWART, W. K. Influence of drugs on ability to withstand centrifugal force. 3 l. 23½cm. Lond., 1941.

Forms F. P. R. C. 338, Gr. Britain Flying Pers. Res. Com.

Lamport, H., Hoff, E. C., & Herrington, L. P. Statistically valid tests of drugs and other factors affecting the resistance of mice to acceleration. Am. J. Physiol., 1945, **143**: 262–71.—**Lund, D. W.** Man's tolerance to positive acceleration in different orientations of the body. Fed. Proc., Balt., 1947, **6**: 156.—**Makuuti, S., & Iwabuti, Y.** Kōkū seirigaku no kenkyū; ensinryoku tai-sei ni kan-suru iti-ni no zikken [...becoming used to centrifugal force] Nippon seirigaku zassi, 1944, **9**: 631–42.

CENTRIFUGE.

See also **Acceleration**, centrifugal; **Blackout** of pilot; **Centrifugal force.**

Baldes, E. J., & Porter, A. N. Human centrifuge operation (motion picture) Fed. Proc., Balt., 1945, **4**: 3. ——— Human centrifuge operation. Ibid., **5**: No. 1, pt 2, 3.—**Canfield, A. A., jr.** The human centrifuge. Research Rev. (U. S. Navy) 1950, Mar., 1–4.—**Christy, R. L.** The new human centrifuge. J. Aviat. M., 1949, **20**: 454–8.—**Drury, D. R.** The human centrifuge. Stanford M. Bull., 1947, **5**: 148–50.—**Franks, W. R., Kerr, W. K., & Rose, B.** Description of a centrifuge and its use for studying the effects of centrifugal force on man. J. Physiol., Lond., 1945–46, **104**: Proc., 8.—**Hall, F. G., Maison, G. L.** [et al.] The human centrifuge; demonstration (motion picture) Fed. Proc., Balt., 1945, **4**: 29.—**Knutson, J. R. B., & Wood, E. H.** Use of an improved photoelectric plethysmograph for determination of blood loss from the ear on the human centrifuge. Am. J. Physiol., 1948, **155**: 448.—**Smith, G. H.** An apparatus for increasing the speed of the hand centrifuge. J. R. Army M. Corps, 1942, **78**: 100.

CENTRIPETAL force.

See **Acceleration**, centripetal.

CHAIN of evacuation.

See **Battlefield,** Medical activities; **Evacuation;** also the various echelons of evacuation as **Aid station; Collecting station,** etc.

CHAIR.

See also **Equipment.**

New (A) type of chair for encephalography and sinusography. Army M. Bull., 1943, No. 68, 155–7.—**Robnett, A. H.** A collapsible chair for eye, ear, nose, and throat work on board ship. U. S. Nav. M. Bull., 1913, **7**: 245.

CHAMBER, atmospheric.

See **Atmospheric chamber.**

CHANCROID.

See under **Venereal disease.**

CHAPLAIN.

See also **Hospital service,** Religious service; **Religious service; Staff.**

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 373: Bestimmungen für besondere Dienstverhältnisse der Kriegspfarrer beim Feldheer, vom 18. Juni 1941. 24p. 21cm. Berl., 1941.

Furrer, J. Helfer an Leib und Seele. In: Sanitätstruppen, Zür., 1942, 80–2.—**Gregory, W. E.** The chaplain and mental hygiene. Am. J. Sociol., 1946–47, **52**: 420–3.

CHARLEROI battle.

See under **World War I.**

CHEMICAL agent.

See also **Explosive; Flame; Gas; Smoke.**

Gibson, A. Probabilities of new chemical agents. Chem. Warf. Bull., 1943–44, **29**: No. 5, 28–31.—**Schwartz, L.** Chemicals used in war. In: Man. Indust. Hyg. (U. S. Pub. Health Serv.) Phila., 1943, 188–90.—**Waitt, A. H.** Description of chemical agents. In his Gas Warfare, N. Y., 1942, 277–300.

—— Chemical weapon.

See also **Chemical warfare; Gas warfare.**

Blas, L. Nuevos agresivos químicos y su importancia terapéutica. Monit. farm., Madr., 1948, **54**: 21–3.—**Chemical warfare agents.** Hawaii M. J., 1941–42, **1**: 180, ch.—**Chemical warfare agents** [Reproduction of Government poster] J. Indiana M. Ass., 1942, **35**: 283.—**Farah, E.** Agentes químicos de guerra. Rev. clín. S. Paulo, 1943, **13**: 17–27.—**Gallo, U.** Aggressivi chimici. Boll. chim. farm., 1939, **78**: 345–9.—**Jackson, K. E.** Chemical agents of warfare. J. Tennessee Acad. Sc., 1933, **8**: 259.—**Meyer, J.** Chemische Kampfstoffe. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 38–106.—**Mielenz, W.** Die chemischen Kampfstoffe der Nachkriegszeit. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 322–36.—**Peters, G.** Chemische Kampfstoffe. Umschau, 1938, **42**: 1157.—**Porter, W. N.** Front-line chemical weapons. Merck Rep., 1944, **53**: No. 4, 4–8.—**Simizu, T.**

Kagaku-heiki ni tuite. Taiwan igakkai zassi, 1937, **36**: 1906–28.—**Steiner, J.** Ueber die chemischen Kampfstoffe. Wien. med. Wschr., 1938, **88**: 1172–5.—**Valade, P., & Salle, J.** Aperçu sur les nouveaux toxiques de guerre. Rev. vét. mil., Par., 1948, **3**: 377–85, 2 pl.—**Varandas de Azevedo, R.** Do agressivos químicos de guerra. Rev. méd. Pernambuco, 1942, **12**: 114–47. Also São Paulo med., 1942, **15**: pt 1, 159–90.—**Vasconcellos Dias, A. de.** Agressivos químicos. Impr. méd., Lisb., 1935, **1**: 82; passim.—**Waitt, A. H.** The ground weapons of chemical warfare. In his Gas Warfare, N. Y., 1942, 87–117, 2 pl. ——— Air chemical weapons. Ibid., 118–36.—**War** gases and chemicals. Laboratory, Pittsb., 1942, **13**: 60, ch.—**War** gases and chemicals. Canad. J. M. Techn., 1942–43, **4**: 118.—**Winternitz, M. C.** Chemical-warfare agents; introduction. In: Advance. Mil. Med., Bost., 1948, **2**: 533–45.

—— Decontamination.

See **Decontamination.**

—— Detection.

See also **Gas detection.**

United States. Office of Civilian Defense. Medical Division. OCD publication 2219: Identification of chemical warfare agents. 16p. 23½cm. Wash., 1943.

Beck, G. Nachweis einiger chemischer Kampfstoffe. Pharm. acta helvet., 1938, **13**: 302–4.—**Detection** of chemical warfare agents in water. Bumed News Lett., Wash., 1944, **4**: No. 5, 39–45. Also Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 17, 21–5.—**Dultz, G.** Nachweismethoden von Kampfstoffen aus der Literatur zusammengestellt. Wien. pharm. Wschr., 1939, **72**: 548–52.—**Hoshall, E. M.** Odor identification of chemical warfare agents. Chem. Warf. Bull., 1941, **27**: 99–107.—**Maksimenko, S.** Indikacia boevykh otravliaiushchikh veshchestv. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 910–20.—**Robertson Liberalli, M.** Deteção de agressivos químicos. Rev. quim. farm., Rio, 1942, **7**: 141–6.—**Ruiz, M. S.** Dos agressivos químicos; como instalar o laboratório para a sua identificação. Pub. farm., S. Paulo, 1942–43, **8**: 5–10.—**Wirth, W.** Chemische Kampfstoffe und ihre Feststellung in der Umgebung und am Körper. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 357–68.

—— Properties.

Sartori, M. [Chimica delle sostanze aggressive] Die Chemie der Kampfstoffe. 2. Aufl. 377p. 23½cm. Brnschw., 1940.

Bacq, Z. M. Réactions des toxiques de guerre avec les groupes thiols des protéines, du gluthation et de la cystéine. Bull. Acad. méd. Belgique, 1946, **11**: 137–64.—**Dixon, M., & Needham, D. M.** Biochemical research on chemical warfare agents. Nature, Lond., 1946, **158**: 432–8.—**Felix, K.** Die Kampfstoffe, ihre Eigenschaften, ihre Wirkung und der Schutz gegen sie. Deut. Aerztebl., 1934, **64**: 698–704.—**Gast, J.** Classification and physical characteristics of the chemical warfare agents. Bull. N. York M. Coll., 1942, **5**: 37–51.—**Mohler, H.** Elektronenformeln von chemischen Kampstoffen. Mitt. Lebensmitteluntersuch., Bern, 1940, **31**: 125–9.—**Teneff, S.** Gli aggressivi chimici e la loro classificazione. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 509–23, illust., pl.—**Waitt, A. H.** Properties of the agents of chemical warfare. In his Gas Warfare, N. Y., 1942, 25–37.

—— Toxicology.

See also **Gas poisoning; Injury, chemical; Poisoning.**

Bellesini, C. Note sull'azione fisiopatologica di un nuovo aggressivo chimico denominato pericolo No. 1. Med. lavoro, 1940, **31**: 248–56.—**Bennett, G. A.** Pathologic changes induced by chemical agents of warfare. N. England J. M., 1943, **228**: 593.—**Bergmeister, R.** Die chemischen Kampfstoffe vom Standpunkt eines Augenarztes. Wien. med. Wschr., 1941, **91**: 765–71.—**Boyland, E.** Biochemical reactions of chemical warfare agents. Nature, Lond., 1948, **161**: 225–7.—**Chistoni, A.** Tossicologia degli aggressivi chimici di guerra. Rass. internaz. clin. ter., 1938, **19**: 419–32.—**Del Guerra, A.** Diversità di reazioni organiche agli aggressivi chimici. Forze san., Roma, 1939, **8**: No. 10, 704–7.—**Felix, K.** Die Wirkungen der Kampfstoffe, insbesondere auf die Augen. In: Gegenwartsprobl. Augenh., Lpz., 1937, 242–9.—**Friedenwald, J. S., & Hughes, W. F., jr.** The effects of toxic chemical agents on the eye and their treatment. In: Advance. Mil. Med., Bost., 1948, **2**: 603–20, pl. ——— Chemical warfare agents; effects on the eye and their treatment. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1948, **2**: 63–70.—**Gillert, E.** Die toxikologische Reichweite der chemischen Waffe. Med. Klin., Berl., 1939, **35**: 1071–3.—**Gilman, A., & Cattell, M.** Systemic agents; action and treatment. In: Advance. Mil. Med., Bost., 1948, **2**: 546–64, 2 pl.—**Ginsburg, G.** Toxicology of warfare agents and principles of treatment. Med. World, 1943, **61**: 75–7.—**Goldman, L., & Cullen, G. E.** Some medical aspects of chemical warfare agents; a review. J. Am. M. Ass., 1940, **114**: 2200–4.—**Hull, E.** Some medical aspects of chemical warfare agents. N. Orleans M. & S. J., 1942–43, **95**: 499–501.—**Lang, K.** Ueber den Einfluss des Kampfstoffes LOST auf Eiweisskörper. Deut. Militärarzt, 1937, **2**: 480.—**Lindeman, W.** Toksykologiczna klasyfikacja chemicznych środków bojowych. Lek. wojsk., 1927, **9**: 197–218.—**Lobo, A.** Agressivos químicos (estudo clínico) Hospital, Rio, 1941, **20**: 231–53. Also Rev. med. cir. Brasil., 1942, **50**: 447–68.—**Majella Bijos, G.** Bioquimica do aggressivos. Rev. med. mil., Rio, 1940, **29**: 195–202.—**Marucci, L.** Gli aggressivi chimici di guerra in oftalmologia. Gior. med. mil., 1939, **87**: 281; 382.—**Poole, L. T.** Chemical warfare in relation to ophthalmology. In: Modern Trends in Ophth., Lond., 1940, **1**: 636–52.—**Prosser, C. L., Von Limbach, B.** [et al.] Responses of fish melanophores to chemical warfare agents. Physiol. Zool., 1947, **20**: 349–54, 2 pl.—**Rud, H.** De kemiske krigsmidlers virkning. In: Skader mennesk. org. (Johannsen, E. W., et al.) Kbh., 1940, 129–60, 3 pl.—**Scherling, S. S., & Blondis, R. R.** Effect of chemical warfare agents on the human eye. Arch. Ophth., Chic., 1944, **32**: 381–7.—**Serra, G.** Note di fisiopatologia degli aggressivi chimici. Gior. med. mil., 1948, **95**: 54; 143; 241.—**Sotgiu, L.** Patologia delle lesioni da aggressivi chimici. Gazz. med. ital., 1942, **101**: 349–70.—**Sulzberger, M. B., Baer, R. L.** [et al.] Skin sensitization to vesicant agents of chemical warfare. J. Invest. Derm., 1947, **8**: 365–93.—**Wätjen, J.** Pathologische Anatomie der Kampfstoffvergiftungen. Med. Welt., 1940, **14**: 341–3, pl.—**Wood, J. R.** Chemical warfare; a chemical and toxicological review. Am. J. Pub. Health, 1944, **34**: 455–60.

CHEMICAL Corps.

See also **Chemical warfare; Gas Warfare.**

Abercrombie, W. F. A list of reprints of papers published in the open literature by members of Medical Division and its contractors. 15p. 27cm. Edgewood Arsenal, Md, 1947.

——— [The same] Supplement 1. 7p. Edgewood Arsenal, Md, 1948.

Forms Rep. No. 129, Med. Div. Chem. Corps U. S. Army.

CHEMICAL warfare.

See also **Biological warfare; Gas; Gas warfare; Incendiary; Poison; School; Smoke.**

Alexander, J. Chemical warfare. In his Colloid Chem., N. Y., 1931, **3**: 239–50.—**Baker, W. C.** The broad view of chemical warfare. Chem. Warf. Bull., 1939, **25**: 141–4.—**Brodmann.** Analytical problems of chemical warfare. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 312.—**Brooksbank, A.** Chemical, gas, warfare. Australas. J. Pharm., 1936, n. ser., **17**: 238–46.—**Chemical** warfare. Med. J. Australia, 1943, **1**: Suppl., 29–32.—**Cunningham, G. R.** Chemical warfare. Bol. As. méd. Puerto Rico, 1942, **34**: 10–6.—**Haldane, J. B. S.** Science and future warfare. Chem. Warf. Bull., 1938, **24**: No. 1, 7–17.—**Hanslian, R.** Die voraussichtliche Gestaltung des Zukunftskrieges und die Einwirkung des chemischen Kampfmittels auf diese Gestaltung. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1**: 596–616.—**Héderer, C.** Généralités sur l'arme chimique. In his Guide méd. Z, Par., 1939, 11–8.—**Kendall, J.** Chemical warfare. Britan. Bk, 1942, 157. ——— La guerra química amenaza al ciudadano. Rev. mil. Perú, 1942, **29**: pt 3, 93–5.—**Koby, Z. W.** Is chemical warfare on the way? South. Pharm. J., 1941–42, **34**: No. 6, 24.—**Lechuga, S.** Del arma química. Ejército, Madr., 1943, No. 41, 12–8.—**Lenhoff, C. D. T., & Simon, L. A.** Aghast, to say the least! a skit. Chem. Warf. Bull., 1940, **26**: 29–34.—**Ljunggren, G.** De kemiska stridsmedlen. In: Handledn. & Försvarsmed., Stockh., 1940, **1**: 76–91.—**Lucas, C. C.** Chemical warfare. Canad. J. M. Techn., 1940–41, **3**: 18–24.—**McLean, F. C.** Chemical warfare. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 172–88.—**Maxwell, I.** Chemical warfare. Med. J. Australia, 1941, **1**: 97–103.—**Monvid, G.** Axis items tell a story. Chem. Warf. Bull., 1944, **30**: No. 3, 44–6.—**Mulvey, R. K.** Warfare with chemicals. Purdue Pharm., 1941–42, **19**: 56.—**Prentiss, A. M.** Chemicals in warfare. Chem. Warf. Bull., 1940, **26**: 150–4.—**Revert Cutillas, C.** Ideas generales y algunas consideraciones de orden toxicológico sobre la guerra química. Bol. farm. mil., Madr., 1933, **11**: 35; 354.—**Ripoll, A.** La agresión química. Defensa, Méx., 1943, **3**: No. 22, 45–8 (clipping)—**Salcedo S., R.** La guerra quimica. Rev. mil. Perú, 1944, **41**: 189–95.—**Vega Herrera, A. M.** La guerra química. Rev. san. mil., Asunción, 1938–39, **12**: 861–6. Also Rev. san. mil., B. Air., 1939, **38**: 55; 285; 788; 1940, **39**: 167.—**Wooders, M. A., & Curtis, D .A.** Chemical warfare. In their Emergency Care, Phila., 1942, 401–21.

—— Bibliography.

United States. Library of Congress. Reference Department. Chemical warfare; a check list, March 1, 1943, and Supplement No. 1, June 1, 1944. 38p. 26½cm. Wash., 1944.

Chemische (Der) Krieg; Literaturverzeichnis. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 717–52.

—— Defense.

See also **Civilian defense.**

Box Maria-Cospedal, A. Defensa en caso de guerra química. 174p. 22½cm. Madr., 1940.

Protection (La) de la population civile en temps de guerre. Par., v.1, No. 1, 1938–

Carlsohn, H. Schutz gegen chemische Kampfstoffe. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 107–12.—**Casas Fernández, J.** Guerra química; algunos datos prácticos para la defensa de la población civil. Bol. med., Madr., 1935, **3:** No. 52, 7; passim.—**Castilho, V. de P.** Agressivos químicos; estudo resumido sôbre a sua constituição; meios gerais de defesa. Arq. brasil. med. nav., 1943, **4:** 183–202.—**Craver, B. N.** The hospital and chemical warfare. Mod. Hosp., 1943, **61:** No. 4, 128–32.—**D., L.** Protection des populations civiles contre la guerre chimique; le véritable danger. Rev. internat. Croix Rouge, 1938, **20:** 443–7.—**Dean, G. E. M.** Chemical warfare defence. Austral. J. Dent., 1938, **42:** 95–104.—**Defense** against chemical warfare. Week. Bull. California Dep. Pub. Health, 1943, **22:** 21; 25.—**Gilbert, E. W.** Defense against chemical warfare. In: Med. Cadet Corps Train. Man. (Courville, C. S. &c.) 2. ed., Glendale, 1943, 70–80, tab.—**Harrell, G. T.** Chemical warfare in civilian defense. North Carolina M. J., 1943, **4:** 4–6.—**Huet, J. A.** Contre le danger aéro-chimique. Presse méd., 1935, **43:** 315.—**Ikhteiman, M. S.** [Sanitary-chemical defense] In his Rukov. kurs. sredn. med pers., Moskva, 1937, 620–40.—**McConnell, W. J.** Memorandum on protective measures against common implements of warfare. N. York State J. M., 1942, **42:** 350–4.—**Porter, Landis & Fisher.** Civilian protection; chemical warfare instruction of 7 regional schools established by O. C. D. Chem. Warf. Bull., 1942, **28:** 126–32.—**Predtechensky, B.** Sanitarno-khimicheskaia zashchita. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1405–7.—**Protection** des populations civiles contre la guerre chimique. Rev. Internat. Croix-Rouge, 1935, **17:** 332–45; 1936, **18:** 993–1007; 1937, **19:** 378; 1171; 1938, **20:** 68; 138; 540.—**Romero, N.** A guerra química; meios de proteção individual e coletiva. Rev. med. cir. Brasil, 1943, **51:** 305–18.—**Schantz, E. J.** Impregnation test. Chem. Warf. Bull., 1944, **30:** No. 5, 47.—**Schutz** der Augen und der Atmungsorgane. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 112–63.—**Stanzig.** Schutzmassnahmen gegen Brandgase und Nebel. Wien. klin. Wschr., 1944, **57:** 81–3.—**Tanon, L., & Cot.** La protección de los niños y la guerra química. Monde méd. (Ed. españ.) 1941, **51:** 137–44.—**Waitt, A. H.** Protection of individuals. In his Gas Warfare, N. Y., 1942, 195–210, pl.—**Younger, H. B.** Defense against chemical warfare. Dallas M. J., 1942, **28:** 36–9.

—— Defense: Food.

Divis, A. Schutz des Proviantes gegen chemische Kriegsmittel; besprochen von Maximilian Hevler. p.848–52. 23½cm. Wien, 1934.

Photostat copy from Mil. wiss. Mitt., Wien, 1934, **65:**

Food supplies and chemical warfare. Circ. Lett. Chief Surgeon Europ. Theater Oper., 1944, No. 105, 1–3.—**Gemeinhardt, K.** Lebensmittel und chemische Kampfstoffe. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 215. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 262.—**Ruchhoft, C. C., Placak, O. R., & Schott, S.** The detection and analysis of arsenic in water contaminated with chemical warfare agents. Pub. Health Rep., Wash., 1943, **58:** 1761–71.—**Stenberg, A. I.** [Utilization of food products contaminated with chemical warfare substances] Hig. & zdorov., 1942, **7:** No. 3, 8–13.

—— Defense: Organization.

Friedland, I. G., & Volfovskaja, R. N. [The preparation of civil medical institutions in military areas for protection against chemical warfare] Sovet. zdravookhr., 1943, No. 10, 31–7.—**Nordenflycht, L.** Plan fundamental de preparación del país para la guerra química. Actes Soc. sc. Chili, (1922–25) 1930, **32:** 119–139.—**Porter, W. N.** A word to Huntsville; an address delivered by Maj. Gen. William N. Porter, chief of the chemical Warfare Service, to employees of Huntsville Arsenal, Huntsville, Alabama, Jan. 12, 1942. Chem. Warf. Bull., 1942, **28:** 62–6.—**Tomson, N. M.** [Ventilation of cities and antichemical defense] Hig. & san., Moskva, 1943, **8:** No. 5, 7–10.

—— Defense, passive.

Li Tsi Gziou. *La défense passive des populations civiles contre la guerre aéro-chimique en Chine. 60p. 25cm. Lyon, 1933.

Majella Bijos, G. Agressivos químicos de ação extensa e ilimitada; aspectos da defesa passiva. Rev. med. mil., Rio, 1942, **31:** 195–208.—**Serafini, U.** Difesa passiva e guerra chimica. Policlinico, 1940, **47:** sez. prat., 1643; 1702.

—— Defense, tactical.

United States. War Department. Field manual; FM 21–40: defense against chemical attack. 154p. 19cm. Wash., 1940. Also Rev. ed. 292p. 17½cm. Wash., 1946.

Ahlheim. Behelfsschutz zum Ueberschreiten von vergiftetem Gelände. Gasschutz & Luftschutz, 1943, **13:** 290–3.—**Predtechensky, B.** Protivokhimicheskaia zashchita. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 906–8.

—— Defense, veterinary.

Richters, C. E. Die Tiere im chemischen Kriege. 4. Aufl. 280p. 24½cm. Berl., 1939.

Andreoni, R. Gli animali in guerra aerochimica. Profilassi, 1938, **11:** 97–102.—**Blount, W. P.** Chemical warfare and farm animals. Vet. J., Lond., 1944, **100:** 249–57.—**Chemical** warfare; its effect on Army animals and food. Vet. Med., Chic., 1942, **37:** 358–63.—**Farm** (The) Livestock Emergency Service; duties of veterinary surgeons and animal stewards when bombs containing phosphorus or other poisonous substances have been dropped during an air raid. Vet. Rec., Lond., 1943, **55:** 167.—**Mace, D. L.** Horses in chemical warfare. Vet. Bull., Wash., 1940, **34:** 95–112. Also Chem. Warf. Bull., 1941, **27:** 58–63. —— & **Udall, R. H.** Veterinary Corps considerations of chemical warfare. Army Vet. Bull., 1943, **37:** 185–217.—**Muntiu, N.** Protection of the horse in chemical warfare. Chem. Warf. Bull., 1938, **23:** 139–50; **24:** 63–73, 2 pl.; 150–60.—**Richters, C. E.** Animals in chemical warfare; review. Vet. Rec., Lond., 1938, **50:** 805–16.

—— Equipment.

See also **Equipment.**

United States. Army. Chemical Corps. Chemical Warfare Service field materiel data [140]p. 13cm. Edgewood, 1943.

Fitch, W. K. German chemical warfare equipment. Pharm. J., Lond., 1944, **99:** 230.—**Rodyenko, P.** Camouflage for chemical weapons. Chem. Warf. Bull., 1938, **24:** No. 1, 18–22.

—— Ethical and legal aspects.

Estatuto jurídico e o emprêgo tático da guerra químico e bacteriológico. Bol. Dir. serv. saúde mil., 1938, 315–28.—**Hanslian, R.** Die staatspolitische theoretische Bewertung des chemischen Kampfmittels. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1:** 253–91.—**Use** of poison gas and bacteria in war. J. Am. M. Ass., 1939, **113:** 1501.

—— Experiments.

See also under **Research.**

Cullumbine, H. Chemical warfare experiment using human subjects. Brit. M. J., 1946, **2:** 576–8.

—— First aid and nursing.

See also **Injury,** chemical.

Cowell, E. M. The pocket book of first aid in accidents and chemical warfare. 19p. 16° Lond., 1937.

Holcomb, R. C. First aid in chemical warfare. Delaware M. J., 1943, **15:** 1–7.

—— Gases.

See **Gas warfare.**

—— History.

Ayres, P. B., Gilbert, F. J., & Baldridge, R. C. Japanese chemical warfare. 21p. 25½cm. n. p., 1945

Forms No. M–C, Med. Targets.

Bernstein, C. The law of chemical warfare; a discussion of the historical and legal aspects of chemical warfare in international law. Chem. Warf. Bull., 1942, **28:** 174–86.—**History** (The) of poisons used as war weapons. U. S. Nav. M. Bull., 1942, **40:** 730–2.—**Japanese** use of chemicals; a report on chemical warfare tactics used against the Chinese people. Chem. Warf. Bull., 1942, **28:** 188–91. Also Mil. Rev., Fort Leavenw., 1942–43, **23:** No. 3, 61.—**Mielenz, W.** Die chemischen Kampfstoffe des Weltkrieges (kurzer militärischer Ueberblick) In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1:** 37–48.—**Prentiss, A. M.** A quarter century of chemical warfare. Chem. Warf. Bull., 1943–44, **29:** No. 7, 9–14.—**Rivas Goday, J. J.** Presente y porvenir del arma quimica. Bol. farm. mil., Madr., 1934, **12:** 365; 1935, **12:** 13; passim.; 1936, **14:** 72.—**Schweisheimer, W.** Poison as a war weapon in history. Med. Rec., N. Y., 1941, **154:** 196–8.—**Zanetti, J. E.** Early experiences in chemical warfare. Chem. Warf. Bull., 1940, **26:** 91–101.

—— Injury.

See **Injury,** chemical; also **Burns,** Etiology; **Gas poisoning.**

—— Instruction.

Baker, W. C. The field officers' course. Chem. Warf. Bull., 1937, **23**: 129–33, 2 illust.—**Barre, C.** [Sweden's hospital and Army physicians for civilian aviation and medical aid station personnel] Sven. läk. tidn., 1935, **32**: 456; 493; 524.—**Burke, C. V.** Training aids. Chem. Warf. Bull., 1941, **27**: 90–3, illust.—**Burn, R. C.** Pictorial training. Ibid., 141–3.—**Chemical** warfare course. Science, 1942, **95**: 400.—**Danford, R. M.** The line and staff officers' class. Chem. Warf. Bull., 1939, **25**: 96–9.—**Dewey, F. H.** The story of a film; behind the scenes in preparing CWS training films and film strips. Ibid., 1943–44, **29**: No. 7, 29–35.—**Hines, F. T.** The field officers' class. Ibid., 1938, **24**: 129–34.—**Markham, H. S.** Exhibit trains attract thousands; tour of 79 cities brings in over 4000 inquiries for chemical warfare equipment. Ibid., 1942, **28**: 56.—**Padlon, J. F.** Chemical warfare training in the C. M. T. C. Ibid., 1939, **25**: 34–7.—**Regimental** training activities. Ibid., 1940, **26**: 18–28.—**Rice, J. W.** Training films and film strips. Ibid., 1941, **27**: 108–13, illust.—**Riegelman, H.** Southwest Pacific experiment; training that sticks. Ibid., 1944, **30**: 21–5.—**Roe, E. L.** Teach when you teach; the lives of many men depend upon the efficiency with which officers train them for combat. Ibid., 1942, **28**: 154–61.—**Roller, H. G., & Goldman, L.** A practical and brief program for the teaching of chemical warfare to a medical reserve officers' troop school. Mil. Surgeon, 1939, **84**: 29–35.—**Sears, J. D.** Regimental training on inactive status. Chem. Warf. Bull., 1939, **25**: 165–70.—**Shekerjian, H.** Noncommissioned officers' class. Ibid., 122–5.—**Short** courses in Oregon on chemical warfare. J. Am. M. Ass., 1943, **122**: 1255.—**Suggested** precautionary measure in CWS training. Air Surgeon Bull., 1944, **1**: No. 11, 19.—**Training** of physicians in the medical aspects of chemical warfare. N. York State J. M., 1942, **42**: 1523.—**Williams, C. F.** 306th Regimental Training, 1937. Chem. Warf. Bull., 1938, **23**: 134–8.

—— Manual.

See also **Gas poisoning; Gas warfare.**

Chemischen (Die) Kampfstoffe; Wirkung, Hilfeleistung, Entgiftung. 2. Aufl. 55p. 22cm. Berl., 1937.

Hanslian, R. Der chemische Krieg. 2. Aufl. 411p. 24cm. Berl., 1927.

—— [The same] 3. Aufl. 1. Bd: Militärischer Teil. 779p. 25cm. Berl., 1937.

Izzo, A. Guerra chimica e protezione antigas. 464p. 25½cm. Milano, 1943.

Liepmann, H. Death from the skies; a study of gas and microbial warfare. Transl. from the German by Eden and Cedar Paul. 286p. 8°. Lond., 1937.

Morata Cantón, J. Guerra química y bacteriológica. 292p. 22½cm. Barcel., 1938.

Prentiss, A. M., & Fisher, G. J. B. Chemicals in war; a treatise on chemical warfare. 739p. 8°. N. Y., 1937.

United States Army. Chemical Warfare School. Chemical warfare miscellany. 146p. 25cm. Edgewood Arsenal, 1940.
Forms No. 6, Pamph. Chem. Warf. School.

Wachtel, C. Chemical warfare. 312p 22½cm. Brooklyn, 1941.

—— Medical aspects.

See also **Gas poisoning; Injury,** chemical.

Dickinson, K. S. The main points of chemical warfare from the medical aspect. 68p. 8°. Lond., 1937.

Férond, M., Coppez, J. H. [et al.] Le médecin devant le péril aéro-chimique. 2. éd. 447p. 18½cm. Brux., 1940.

Great Britain. War Office. Medical manual of chemical warfare, 1939. 110p.; 15p. 24cm. Lond., 1939. Also 1940 ed. 104p.; 15p. 24½cm. Lond., 1940. Also American ed. 104p.; 15p. 22½cm. Brooklyn, 1941. Also rev. ed. 106 p.; 15p. 22cm. N. Y., 1942. Also 1943 ed. 88p. 24½cm. Lond., 1943.

—— Medical manual of chemical warfare, 1940: Amendments, No. 1. 12p. 24½cm. Lond., 1941.

Italy. Ministero della Guerra. Direzione Generale di Sanità Militare. Manuale sanitario per la guerra chimica. 104p. 8°. Roma, 1935.

New York Medical College. Symposium on medical aspects of chemical warfare. p.33–139. 25½cm. N. Y., 1942.

United States. Office of Civilian Defense. OCD publication 2214–1: Revised course outline; medical aspects of chemical warfare emergency medical services. 18p. 28cm. Wash., 1943.

Algunos aspectos clínicos de los elementos más importantes de la guerra química. Bol. Of. san. panamer., 1940, **19**: 800.—**Bacq, Z. M.** Toxiques de guerre; médecine de paix. Bruxelles méd., 1947, **27**: 2111–8.—**Bergós Ribalta, F. de A.** Aspectos médicos de la guerra química. Mundo méd., 1933, **15**: 430–2.—**Bodansky, O.** Contributions of medical research in chemical warfare to medicine. Science, 1945, **102**: 517–21.—**Bunim, J. J.** Clinical features of gas warfare. Med. Bull., N. Y., 1942–43, **8**: 39–44.—**Chaney, W. C.** The civilian physician's responsibility in chemical warfare. Memphis M. J., 1942, **17**: 170–2.—**Cowell, E. M.** Chemical warfare and the doctor. Brit. M. J., 1939, **2**: 736; 778. Also in War Wounds (Brit. M. J.) Lond., 1939, 191–213.—**Dearing, W. P.** The role of emergency medical service in gas defense. Ohio M. J., 1944, **40**: 17–21.—**Fawcett, R. E. M.** Chemical warfare and modern therapeutics. Med. World, Lond., 1948–49, **69**: 77.—**Flury.** Consequences of chemical warfare. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 230–9.—**Foker, L. W.** Medical aspects of chemical warfare. Staff Meet. Bull. Hosp. Univ. Minnesota, 1942–43, **14**: 255–63.—**Greenwood, G. R.** The medical aspects of chemical warfare research. S. Luke Hosp. Bull., Bethlehem, 1947–48, **2**: 45–52.—**Hanssen, O. E.** Medisinske synspunkter på kjemisk krigføring. Tskr. Norske laegeforen., 1949, **69**: 398–401.—**Instruction** in medical aspects of chemical warfare. J. Am. M. Ass., 1942, 119: 801. **Keegan, A. P.** Medical aspects of chemical warfare in civilian defense. Med. World, 1943, **61**: 291–6.—**Medical** (The) aspects of chemical warfare. Detroit M. News, 1942–43, **34**: No. 40, 5.—**Medical** aspects of chemical warfare. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 17, 2–20.—**Medical** aspects of chemical warfare. Philadelphia M., 1942–43, **38**: 7–15.—**Pochapin, I. M.** Medical aspects of chemical warfare. Pennsylvania M. J., 1941–42, **45**: 795–800. Also Pittsburgh M. Bull., 1942, **31**: 304; 351.—**Powell, R. M.** Medical aspects of chemical warfare as related to civilian defense. J. Tennessee M. Ass., 1943, **36**: 289–98.—**Roe, J. H., & Hunter, O. B.** The medical aspects of chemical warfare. Med. Ann. District of Columbia, 1942, **11**: 448.—**Seifter, J.** Medical aspects of chemical warfare. Clin. Bull. School M. Western Reserve Univ., 1943, **7**: 31–3.—**Sillevaerts, C.** Le médecin et la guerre aéro-chimique. Bruxelles-méd., 1931–32, **12**: 1134; passim.—**White, S. A.** Some medical aspects of chemical warfare. Chem. Warf. Bull., 1938, **24**: 135–44.

—— Organization of attack.

German preparations for chemical warfare; offensive and defensive measures. Pharm. J., Lond., 1945, **101**: 32.—**Heavey, W. F.** Engineers in chemical warfare. Chem. Warf. Bull., 1939, **25**: 7–15.—**Unmacht, G. F.** Chemical warfare procurement districts. Ibid., 1938, **24**: 89–93.

—— Problems.

Campbell, S. M. Complications in anaesthesia due to chemical warfare. Bull. Acad. M. Toronto, 1940, **13**: 144–52.—**Wirth.** Chemical warfare problems. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 195–200.

—— Psychological aspect.

See also **Psychological warfare.**

Rennie, T. A. C., & Small, S. M. Psychological aspects of chemical warfare. 45p. 23cm. N. Y., 1943.

Psychological aspects of chemical warfare. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 17, 26–8.

—— Tactics.

See also subheading (Organization of attack)

United States. Army. Military Intelligence Service. Special series, No. 16: Enemy capabilities for chemical warfare. 156p. 19½cm. Wash., 1943.

—— Special series, No. 24: Enemy tactics in chemical warfare. 105p. 23cm. Wash., 1944.

Barstow, W. E., jr. Chemical warfare and infantry. Infantry Journal, 1944, **54**: No. 2, 30 (clipping).—**Boettger, C. R.** Die Taktik der chemischen Waffe im Angriff und in der Verteidigung. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 559–77.—**Caldwell, R. B.** Weather and terrain. Chem. Warf. Bull., 1941, **27**: 146–7.—**Dueñas, D. de.** El arma química y la táctica. Ejército, Madr., 1942, No. 33, 37–41.—**Prentiss, A. M.** Chemical support of infantry. Chem. Warf. Bull., 1939, **25**: 145–58.

CHEMISTRY.

See also **Chemical agent; Chemical warfare; Laboratory.**

Bárcena Valencia, M. La química aplicada a la guerra. Bol. clase, Lima, 1942, **10**: 141–8.—**Barker, M. E.** Chemistry in warfare; a recent address to the students and faculty of William and Mary College. Chem. Warf. Bull., 1942, **28**; 74–84.—**Greene, J. W.** Chemistry in the war effort. Tr. Kansas Acad. Sc., 1943, **46**: 280–5.—**Grey, C. G.** Chemistry in war. In: Science Looks Ahead (Low, A. M.) Lond., 1942, 160–5.—**Hall, W. W., & Gault, P. S.** Advances in clinical chemistry. U. S. Nav. M. Bull., 1940, **38**: 1–27, pl.—**Miller, G. E.** Chemistry and war. Chem. Warf. Bull., 1937, **23**: 60–4.—**Osol, A.** Chemistry in the war. In: Science in War (Philadelphia Coll. Pharm.) 1942, 85–97.—**Roberts, R. C.** Chemistry in wartime. Q. Chicago M. School, 1941–42, **2**: No. 2, 22.—**Stine, C. M. A.** Molders of a better destiny. Science, 1942, **96**: 305–11.

—— Manual.

HAYNES, W. The chemical front. 264p. 22cm. N. Y., 1944.

HESSEL, F. A., HESSEL, M. S. H., & MARTIN, W. Chemistry in warfare, its strategic importance. 164p. 22cm. N. Y., 1940. ALSO new ed. 179p. 21½cm. N. Y., 1942.

LANGHANS. Wehrchemie als Dezimalklassifikation der Feuer-, Explosions-, Nebel-, Rauch-, Giftkampf-Momente. 475p. 8° Berl., 1937.

SALA, E. Chemie, eine unsichtbare Waffe. 83p. 19½cm. Berl., 1944.

UNITED STATES. ARMY MEDICAL SCHOOL. Chemistry. 182 l. 26cm. Wash., 1933.
Forms No. 146, A. M. C. U. S. Army M. Center.

UNITED STATES. WAR DEPARTMENT. Technical manual TM 3–215: Military chemistry and chemical agents. 164p. 23cm. Wash., 1940. ALSO another ed. 171p. 21½cm. Wash., 1942.

CHEMOTHERAPY.

See under **Therapeutics**; also such terms as **Injury**, Treatment: Chemotherapy; **Wound**, Treatment: Chemotherapy.

CHEST.

See also **Cabinet; Equipment; Kit.**

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 208/4: Zusammenstellung der Packordnungen der Sanitätsbehältnisse. 22p. 21cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 208/5: Packordnung des Sanitätskastens 1930; vom Januar 1935 [Reprint] 8p. 21cm. Berl., 1937. ALSO reedition. 8p. 21cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 208/12: Packordnung des Gebirgs-Sanitätskastens, Anl. S 2263, vom 1. April 1939. 10p. 21cm. Münch., 1939. ALSO reedition. 14p. 21cm. Berl., 1944.

GERMANY. OBERKOMMANDO DER KRIEGSMARINE [Marine-Druckvorschrift] M. Dv. 271/6: Soll der Sanitätsausrüstungen. Teil 6: Instrumentenbestecke und ärztliche Geräte. 68p. 22cm. Berl., 1941.

SKINNER, R. W., III, SPANGLER, H. J., & BROWN, L. S. Modification of the present Field Medical Unit No. 30; chest, utensils, hospital. 17 l. 27cm. Camp Lejeune, 1945.
Forms Res. Proj. X–577, U. S. Nav. M. Field Res. Laborat.

SPANGLER, H. J. Development and testing of field medical assembly chests. 3 Nos. 28cm. Camp Lejeune, 1949.
Forms Rep. No. 1–3, Res. Proj. NM 012 007, U. S. Nav. M. Field Res. Laborat.

Chest, combat, medical. Res. Program U. S. Army Med. Res. Bd, 1947, July, 128–31.—**Chest**, MD, complete (60) Ibid., 138–48.—**Medical** dispensary chest. Ibid., 132–6.—**Plasma** and saline bottle holders. Ibid., 155.—**Schuessler, C. F.** Development of a lightweight packing case. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 40. —— Development of a lightweight dental chest. Ibid., 41. —— Development of a lightweight flight examiner's chest. Ibid., 43.—**Weinger, I. I., & Wallach, G. L.** Helpful improvisations for use with field dental chest. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1**: No. 5, 24–6.

CHILE.

For references see the following headings in this section: **Dental service; Hospital report; Medical examination; Morbidity; Pharmaceutical service; Tuberculosis; Venereal disease; Veterinary service.**

CHINA.

For references see under the following headings of the Military Section: **Air Force Medical Service; Dentistry; Hospital report; Medical Department; Medical organization; Medical service; Morbidity; World War I; World War II.**

CHINESE Civil War (1911–1926)

See under **Wars and campaigns.**

CHINESE-Japanese War.

See various subheadings of **Wars and campaigns** (1894/1895; 1900; 1938)

CHIROPODIST.

B., Y. Army commissions? J. Nat. Ass. Chiropod., 1942, **32**: No. 6, 25.—**Chapman, H. L.** How will the war affect the chiropodist? Ibid., No. 5, 7.—**Chiropodists** in the British Army. Med. Rec., N. Y., 1942, **155**: No. 12, 24.—**Chiropodists** in the British Royal Army Medical Corps. Clin. J. Chiropody, 1940–41, **11**: 411–3.—**Katz, I.** Chiropodists in the victory program. Ibid., 1941–42, **12**: 120.—**Lelyveld, J.** The chiropodists' place in the civilian defense program. J. Nat. Ass. Chiropod., 1942, **32**: No. 2, 14.—**Meldman, E. C.** Regional editors aid war effort. Ibid., No. 8, 17.—**Philadelphia** chiropodists conduct foot clinic at United Service Organizations club. Ibid., 1943, **33**: No. 6, 22–4.—**Simko, M. V.** Classification of chiropodists in the draft. Ibid., 1940, **30**: No. 12, 9. —— Class II for drafted chiropodists. Chiropody Rec., 1941, **24**: 69. —— Concerning the Selective service act. J. Nat. Ass. Chiropod., 1941, **31**: No. 2, 12–4.

CHIROPODY.

See also **Foot; Shoe.**

AYRES, P. B., GILBERT, F. J., & HENDRICKSON, R. M. Podiatry in the Japanese Navy. 9p. 25½cm. n. p., 1945.
Forms No. M-03, Med. Targets.

Chiropody in the Navy. Chiropody Rec., 1942, **25**: 190.—**Chiropody** and World War II. J. Nat. Ass. Chiropod., 1942, **32**: 21.—**Danielson, W. A.** Chiropody and military service. Ibid., No. 2, 11.—**Military** chiropody. Clin. J. Chiropody, 1941–42, **12**: 63; 119.—**Stickel, W. J.** Voluntary chiropodical clinic program in Army camps. Ibid., 1940–41, **11**: 406–11.—**Von Schill, N.** Military chiropody. Ibid., 1941–42, **12**: 167; 207.

CHIROPODY Corps.

Austin, D. W. Why a chiropody corps? Clin. J. Chiropody, 1940–41, **11**: 195–7.—**Chiropody** officers in the Army Medical Corps. California West. M., 1942, **57**: 148.—**Hack, M.** Toward a chiropody corps. J. Nat. Ass. Chiropod., 1940, **30**: No. 10, 9–11.

CHITRAL campaign (1932)

See under **Wars and campaigns.**

p-CHLOROPHENYL-TRICHLOROETHANE.

See as **DDT.**

CHLOROPICRIN.

See also **Gas warfare.**

BLUME, R. *Beobachtungen an grünkreuzvergifteten Kaninchen, die mit Pernocton narkotisiert wurden [Berlin] 26p. 22cm. Münch., 1941.

Amchislavsky, I. V. [Chloropicrin and its use for mass disinfection in rural districts] Feldsher, Moskva, 1938, No. 9, 47–51.—**Des Cilleuls, J.** La chloropicrine au service de l'hygiène. Rev. hyg., Par., 1939, **61**: 272–87.—**Efimenko, V. I.** [Apparatus for rapid evaporization of chloropicrin] Voen. san. delo, 1937, No. 8, 43.—**Halpern, B., & Cruchaud, S.** Action préventive de l'antihistaminique n-diméthylamino-2-propyl-1-thiodiphénylamine sur l'oedème aigu expérimental du poumon, provoqué par l'administration d'un gaz toxique, la chloropicrine. C. rend. Acad. sc., 1947, **225**: 1194–6.—**Heubner, W.** Ueber das Tödlichkeitsprodukt des Chlorpikrins. Zschr. ges. exp. Med., 1939–40, **107**: 749.—**Kamei, M., Okuyama, M., & Sirakawa, K.** Nankin musi ni taisuru chloropicrin kunzyo kōryoku siken seiseki hōkoku [... chloropicrin fumigation against bed bugs] Gun idan zassi, 1927, No. 167, 573–77.—**Lukjanovich, M., Fedorov, N., & Bidenko, D.** [Zur Frage der Bestimmung von Chlorpikrin in Nahrungsprodukten] Vopr. pitan., 1935, **4**: No. 6, 81–8.—**Ritlop, B.** Das Tödlichkeitsprodukt des Chlorpikrins. Zschr. ges. exp. Med., 1939, **106**: 296–302.—**Shimizu, S.** A new colour reaction of chloropicrin and tetra-chlorid of carbon. Bull. Nav. M. Ass., Tokyo, 1939, **28**: 12.

CHLOROVINYLDICHLOROARSINE [Lewisite]

See also **Gas warfare.**

Barron, E. S. G., Miller, Z. B. [et al.] Reactivation by dithiols of enzymes inhibited by lewisite. Biochem. J. Lond., 1947, **41**: 69–74.—**Cameron, G. R., Carleton, H. M., & Short, R. H. D.** Pathological changes induced by lewisite and allied compounds. J. Path. Bact., Lond., 1946, **58**: 411–22, 2 pl. ——— Disturbances of function induced by lewisite (2-chlorvinyldichlorarsine) Q. J. Exp. Physiol., Lond., 1947, **34**: 1–28.—**Cullumbine, H.** Treatment of lewisite shock with sodium salt solutions. Brit. M. J., 1946, **1**: 607.—**Donohue, J., Humphrey, G., & Schomaker, V.** The electron diffraction investigation of isomeric lewisites. J. Am. Chem. Soc., 1947, **69**: 1713–6.—**Fell, H. B., & Allsopp, C. B.** The effects of lewisite and of lewisite oxide on living cells in vitro. Brit. J. Exp. Path. 1946, **27**: 305–9.—**Ferguson, R. L., & Silver, S. D.** A method for the visual demonstration of lewisite in skin. Am. J. Clin. Path., 1947, **17**: 37.—**Leopold, I. H., & Adler, F. H.** Specific treatment of ocular burns due to lewisite (β-chlorovinyldichloroarsine) Arch. Ophth., Chic., 1947, **38**: 174–81.—**Mann, I., Pirie, A., & Pullinger, B. D.** A study of lewisite lesions of the eyes of rabbits. Am. J. Ophth., 1946, **29**: 1215–27, 2 pl. ——— The treatment of lewisite and other arsenical vesicant lesions of the eyes of rabbits with British anti-lewisite (BAL) Ibid., 1947, **30**: 421–35.—**Sentiurin, B.** Liuizit (B-khlorviniildikhlorarsin) In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 601–4.—**Thomson, J. F., Savit, J., & Goldwasser, E.** Tests of 2,3-dimercaptopropanol and related dithiols for decontamination of lewisite on human skin. J. Pharm. Exp. Ther., 1947, **89**: 1–13.—**Trethewie, E. R.** Comparison of ointment aerosol-5 with number 5 against lewisite. Med. J. Australia, 1947, **1**: 785.

CHOLERA.

See under **Epidemic.**

CITIZENS' Defense Corps.

See also **Gas warfare,** Defense: Organization.

United States. Office of Civilian Defense. The control system of the Citizens' Defense Corps. 30p. 27cm. Wash., 1942.

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

——— United States Citizens Defense Corps; who can join, how to join, qualifications... 39p. 27cm. Wash. [1942?]

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

United States. Office of Civilian Defense. Medical Division. Analyses of duties and training of U. S. Citizens Defense Corps for gas defense [14] p. 27cm. Wash., 1942.

——— Duties of U. S. Citizens Defense Corps in gas defense. 4p. 27cm. Wash., 1943.

United States. Office of Civilian Defense. Training Section. Staff manual United States Citizens' Defense Corps. 7p. 27cm. Wash., 1942.

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

Duties of U. S. Citizens Defense Corps in gas defense. Ann. Int. M., 1943, **18**: 425–8. Also Connecticut M. J., 1943, **7**: 199–201. Also J. Nat. M. Ass., N. Y., 1943, **35**: 72. Also Texas J. M., 1942–43, **38**: 675.—**Landis, J. M.** Duties of U. S. Citizens Defense Corps in gas defense. Operat. Letter U. S. Off. Civ. Defense, 1943, No. 104, 1–7.

CIVILIAN defense.

See also **Chemical warfare,** Defense; **Citizens' Defense Corps; Gas warfare,** Defense; **National defense.**

[International] Convention internationale pour la protection de la population civile. Avant-projet. 11p. 24cm. n. p., 1936[?]

[Leake, C. D.] Notes for civilians on morale, bombs, and gas. Leaflet. 28cm. S. Franc., 1942.

——— [The same] Notes on morale, burns, bombs and war gasses, for physicians [6] p. 21½cm. Springf., 1942.

Civil defense. Annual Rep. Am. Nat. Red Cross, 1940–41, 35–8.—**Civilian** defense. Virginia M. Month., 1941, **68**: 699. Also N. England J. M., 1942, **226**: 464.—**Civilian** defense a reality. J. Iowa M. Soc., 1942, **32**: 31.—**Civilian's** (A) war. Nassau M. News, 1941, **15**: No. 8, 1.—**Costedoat.** La protection civile du pays en temps de guerre. Sem. hôp. Paris, 1949, **25**: 1831–4.—**Cox, G. W.** Civilian defense in the national emergency. Texas J. M., 1942–43, **38**: 288–91.—**D., L.** A propos du vol en piqué. Rev. internat. Croix Rouge, 1940, **22**: 731–8.—**Ehlgötz, H.** Städtebau und Luftschutz. Techn. Gemeindebl., 1936, **39**: 273–6.—**Grey, C. G.** Anti-aircraft defences. In: Science Looks Ahead (Low, A. M.) Lond., 1942, 187–91.—**LaGuardia, F. H.** Civilian defense. Chem. Warf. Bull., 1941, **27**: 135–40.—**Need** for protective services in time of war. Notice U. S. Off. Civ. Defense, 1943, Nov., 1.—**Russ, W. B.** Not by guns alone. Texas J. M., 1942–43, **38**: 423–6.—**Skinner, G. A.** War emergencies in civilian populations. Mississippi Valley M. J., 1942, **64**: 18–23.—**Wilson, V. L.** Adventure in Civilian Defense. Am. J. Nurs., 1943, **43**: 644–9.

——— Air defense.

See also **Air defense.**

Air-raid protection; suggestions and data from official sources. Engin. News Rec., 1942, **128**: 14.—**Civil** (The) population and air attack. Nature, Lond., 1937, **139**: 387–9.—**Crespo, J. B.** El bombardeo aéreo y las poblaciones indefensas. Rev. mil., B. Air., 1938, **38**: pt 2, 1181–3.—**Fraser, C.** Attack from the air. J. R. San. Inst., 1938–39, **59**: 71–5.—**Hernández, V.** Cuidado de los civiles durante raids aéreos y otros desastres. Rev. mex. cir., 1942, **10**: 329–36.—**Hodsoll, J.** General raid lesson. Baltimore Health News, 1943, **20**: 112–4.—**Johnson, L. W.** We are already late in our preparations for aerial bombardment. Mod. Hosp., 1940, **55**: No. 6, 43–5.—**Pampered** parasites. Med. Press & Circ., Lond., 1940, **204**: 453.—**Protection** des populations civiles contre la guerre aéro-chimique. Rev. internat. Croix Rouge, 1938, **20**: 1017–27; 1939, **21**: 20; 392.—**Wells, H.** Air raid defense publications. Chem. Warf. Bull., 1940, **26**: 155–73.

——— Air raid casualty service.

See **Emergency medical service.**

——— Air raid warden.

See under **Civilian defense worker.**

——— Centers, information bureaus, and posts.

United States. Office of Civilian Defense. Casualty record book [23] p. 27cm. Wash., 1942[?]

Blank forms for listing casualty records.

Littlewood, F. D. Functions of an information bureau following an air raid. J. R. San. Inst., 1942, **62**: 183–9.—**N., S. R.** At a London rest centre. Nurs. Times, Lond., 1940, **36**: 1053.—**Panis, G.** [Que doit être un poste de secours dans la défense passive?] Deut. Militärarzt, 1940, **5**: 295 (Abstr.)—**What's** what in emergency. Lancet, Lond., 1942. **2**: 104.

——— Emergency medical service.

See **Emergency medical service.**

——— First aid.

See under **Emergency medical service.**

——— Food service and protection.

See also under **Gas warfare.**

London. Air Raid Defence League. Food in war time. 28p. 21cm. Lond., 1939.

Hardy, E. Foods need guarding from gas and glass. Food Indust., 1942, **14**: No. 5, 37.—**Jefford, F. R.** Food treatment. J. R. San. Inst., 1942, **62**: 190.—**Schutz** von Nahrungsmitteln und Wasser. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 164–75.—**Tiedeman, W. D.** Maintaining sanitation in serving food under emergency conditions. J. Am. Diet. Ass., 1942, **18**: 663–6.

—— Gas defense.

See **Gas warfare, Defense.**

—— Industrial aspect.

See also **Civilian defense worker; Emergency medical service.**

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. Protection of industrial plants and public buildings [8] p. 27cm. Wash., 1941.
In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

Baehr, G. Protection of civilians and industry in wartime. Proc. Indust. Hyg. Found. America, 1941, 6. meet., 108–12.—**Civil** defence in industry. Nurs. Times, Lond., 1940, **36**: 424.—**T., E. A.** Air raid precautions in the factory. Ibid., 423.—**War** conference for protection of industrial workers. J. Am. M. Ass., 1942, **118**: 1307.

—— Manual.

AIR RAID PRECAUTIONS; in ten parts. 1. Amer. ed. [298] p. 22cm. Brooklyn, 1941.

GREAT BRITAIN. MINISTRY OF HOME SECURITY. AIR RAID PRECAUTIONS DEPARTMENT. Air raid precautions training manual No. 2: Manual for officers responsible for A. R. P. training. 67p. 21½cm. Lond., 1940.

HAWAII, U. S. OFFICE OF CIVILIAN DEFENSE. WOMEN'S DIVISION. Victory handbook. 32p. 28cm. Honolulu, 1942.

HUNKE, H. Zagrożenie powietrzne i obrona przeciwlotnicza [Trans. from German by A. Wojtyga] 190p. 8°. Warsz., 1934.

HYDE, H. M., & NUTTALL, G. R. F. Air defence and the civil population. 215p. 8° Lond., 1938.

KRÓLIKIEWICZ, S. Obrona przeciwlotnicza. 147p. 8° Warsz., 1935.

LEYSON, B. The air raid safety manual. 92p. 19cm. N. Y., 1942.

McBRIDE, J. Air raid precautions against bombs and the poisonous gas of warfare, with emergency first aid. 95p. 16cm. Sidney, 1942.

NEW YORK STATE COUNCIL OF DEFENSE, & NEW YORK STATE EDUCATION DEPARTMENT. Education for civilian defense. N. Y., 1942–

RADZISZEWSKI, W., & CHRZĄSZCZEWSKI, J. Vademecum obrony przeciwlotniczej i przeciwgazowej ludności cywilnej; ze szczegółowem uwzględnieniem zasad ratownictwa przeciwgazowego. Wyd. 2. 928p. 17cm. Warsz., 1936.

UNITED STATES. FEDERAL WORKS AGENCY. Air raid protection manual for Federal A. R. P. Officers. 99p. 19cm. Wash., 1941.

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. A handbook for demolition and clearance crews. 52p. 19cm. Wash., 1941.

—— Handbooks. 8 pamphl. in 1 v. 19cm. Wash., 1942.

—— A handbook for messengers. 44p. 19cm. Wash., 1941 [ie. 1942]
Title page 1941, last page reprinted 1942.
In: Handbooks (U. S. Off. Civilian Defense) 1942.

—— A handbook for road repair crews. 44p. 19cm. Wash., 1941 [ie. 1942]
Title page 1941, last page reprinted 1942.
In: Handbooks (U. S. Off. Civilian Defense)

—— Textbooks. v. p. 24cm. Wash. [after 1942]

—— Measures and equipment.

See also **Gas mask; Helmet; Respirator,** etc.

UNITED STATES. WORK PROJECTS ADMINISTRATION. Bibliography of air raid precautions and civil defense. 2v. 343p.; 528p. 25cm. Wash., 1941–42.

—— [The same] Russian supplement. 27p. 26½cm. Wash., 1942.

Air raid instructions. Personnel J., 1941–42, **20**: 239–42.—**Air** raid precautions. Lancet. Lond., 1935, **2**: 261; 1465.—**Air** raid precautions. Brit. M. J., 1936, **1**: 649; **2**: 1159; Suppl., 187; 1941, **1**: 528.—**Air** raid precautions. Pharm. J., Lond., 1938, **87**: 393.—**Air** raid precautions. J. Am. M. Ass., 1939, **112**: 656.—**Air** raid precautions. Nurs. Times, Lond., 1939, **35**: 750; 778; 816; 845; 885; 942.—**B., J.** Protection des populations civiles contre le péril aérien. Arch. méd. belges, 1935, **88**: 625–7.—**Bernal, J. D., Fremlin, J. H.** [et al.] Air raid precautions. Nature, Lond., 1937, **139**: 760.—**Bishoff, L.** Massnahmen vor, während und nach Flugzeugangriffen (mit Brisanz-Sprengbomben, Brandbomben, Giftstoffbomben) auf die Zivilbevölkerung. Schweiz. med. Wschr., 1935, **65**: 319–26.—**De Saram, G. S. W.** Air raid precautions. J. Ceylon Brit. M. Ass., 1938, **35**: 479–88, 3 pl.; 1939, **36**: 135–42.—**Do's** and don'ts in air raids. Health, Mount. View, 1942, **9**: No. 4, 18.—**Donaldson, M.** Air raid precautions. Brit. M. J., 1938, **2**: 1227.—**Gibbs, E. C.** Air raid precautions in [college] residence halls. J. Am. Diet. Ass., 1942, **18**: 233–5.—**H., R. H.** Air-raid precautions. Ulster M. J., 1937, **6**: 73–5.—**Hanns, A.** Mise en état de protection d'une agglomération contre les raids aériens. Strasbourg méd., 1938, **98**: 380–3.—**Hatt, R. T.** A simple air-raid alarm. Science, 1942, **95**: 301.—**Instruction** in protection against air raids and poison gas attacks. J. Am. M. Ass., 1936, **107**: 1233.—**Lehmann, M.** Selbstschutz auf Grund des Luftschutzgesetzes. Med. Welt, 1937, **11**: 1047.—**Leys, D.** Air raid precautions. Brit. M. J., 1937, 1: 1091.—**Sparks, F. J.** Discussion on air raid precautions, opening paper. J. R. San. Inst., 1938–39, **59**: 303–7.—**Steel** helmets and civilian duty respirators. Brit. M. J., 1940, **2**: Suppl., 23.—**Swartout, H. O.** If we should be bombed. Health, Mount. View, 1942, **9**: No. 4, 6.—**Turner, H. M. S.** Observations on air raid precautions. Brit. M. J., 1936, **2**: No. 3964, Suppl., 339–41.—**Vespermann.** Die Aufgaben des Gesundheitsamtes im Luftschutzsanitätsdienst. Oeff. Gesundhdienst., 1937–38, **3**: A, 437–40.—**Wooders, M. A., & Curtis, D. A.** Air raid precautions. In their Emergency Care, Phila., 1942, 443–55.

—— Organization and planning.

See also **Air defense.**

JERCHO, W. Organizacja obrony przeciwlotniczej domów mieszkalnych; 2. drug. 92p. 21cm. Warsz., 1938.

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. How to organize civilian protection in your community [8]p. 27cm. Wash. [1941?]
In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

—— Planning guides, memoranda, pamphlets, training guides. 17 pamphl. in 1 v. 27cm. Wash., 1942.

UNITED STATES. OFFICE OF CIVIL DEFENSE PLANNING. Civil defense for national security. 301p. 23½cm. Wash., 1948.

WILSON, W. L. Notes on civil defense planning. 19 l. 32cm. Wash., 1949.

—— National activity for civil defense. 15 l. 32cm. Wash., 1950.

Gliederung, Aufgaben und Tätigkeit des Dänischen Luftschutzverbandes. Gasschutz & Luftschutz, 1943, **13**: 83–7.—**Grimme, H.** Zehn Jahre Reichsluftschutzbund, zum 29. April 1943. Ibid., 81–3.—**Guarding** the home front. Occupations, 1942–43, **21**: 106–8.—**Hodsoll, J.** Cooperation between civil defence services. Baltimore Health News, 1942, **19**: 97–9.—**Kruse.** Luftschutz auf dem Lande. Gasschutz & Luftschutz, 1943, **13**: 153–6.—**Projet** de la Croix-Rouge américaine relatif à la défense civile. Rev. internat. Croix Rouge, 1941, **23**: 1022.—**Public** and private ownership, a co-operation. Med. Press & Circ., Lond., 1940, **204**: 313.—**Tarbett** cites lack of air raid preparedness; necessity of further development of air raid plans shown at N. E. W. W. A. meeting at Providence, R. I. Water Works Engin., 1942, **95**: 467.—**Zurborn.** Ausbildung im Selbstschutz und Erweiterten Selbstschutz auf dem Lande. Gasschutz & Luftschutz, 1943, **13**: 175; passim.

—— passive.

See also **Chemical warfare,** Defense, passive; **Gas warfare,** Defense.

[Bélgica] Comentarios a la Instrucción general para la protección antiaérea pasiva de la población y de las instala-

ciones civiles. Rev. estud. mil., Madr., 1935, 7: 218–20.—**Defesa** passiva contra os ataques aéros. Clín. hig. & hidr., Lisb., 1936, 2: 121–5.—**Herrera Chueca, S.** La defensa antiaérea pasiva. Rev. mil., B. Air., 1943, 43: pt 2, 1257–73.—**Jinga, P.** Projet de création de zones sanitaires. Bull. internat. Serv. santé, Liége, 1938, 11: 298–305.—**Mesures** de défense passive. Rev. internat. Croix Rouge, 1940, 22: 389; 1005; 1942, 24: 183.—**Précautions** contre les attaques aériennes; la défense passive. Nature, Par., 1939, 67: pt 2, 8; 43; 79.—**Protection** des populations civiles; mesures de défense passive. Rev. internat. Croix Rouge, 1939, 21: 829; 1941, 23: 294; 370; 594; 672.

—— Protection of children.

See also **Civilian evacuation; Evacuation.**

ELIOT, M. M. Civil defense measures for the protection of children, report of observations in Great Britain, February 1941. 186p. 23½cm. Wash., 1942.

PUÉCH, G. La protection des enfants et la guerre aéro-chimique. 39p. 8° Par., 1936.

Adam, R. Physical and mental care of children in war. Bull. from Britain, 1942, No. 87, 13.—**Air** raid rules for baby. Georgia Health, 1942, 22: No. 5, 1.—**Aves, G. M.** After-care for the evacuated. Nurs. Times, Lond., 1943, 39: 566.—**Barker, H.** A special school evacuation unit; some observations on its value. Ment. Health, Lond., 1942, 3: 37–9.—**Beattie, N. R., & Lowe, J. J. H.** Evacuation and the difficult child. Med. Off., Lond., 1942, 67: 205.—**Burbury, W. M.** Effects of evacuation and of air raids on city children. Brit. M. J., 1941, 2: 660–2.—**Care** of babies during air raids. J. Am. M. Ass., 1942, 118: 985. Also Memphis M. J., 1942, 17: 111.—**Corbin, H.** The baby in a blackout. Pub. Health Nurs., 1943, 35: 26.—**Dixon, C. W.** Some experiments in the cleansing of children. Med. Times, Lond., 1939, 67: 183.—**Eliot, M. M.** La protección de los niños en zonas de peligro y planes para su cuidado después de evacuaciones por necesidades militares. Bol. Inst. protec. inf., Montev., 1943, 16: 324–44. ——— & **Bain, K.** Protection of children in danger zones. Child, Wash., 1942–43, 7: 1–3.—**Evacuation** (The) of children from danger areas. Med. J. Australia, 1942, 1: 411.—**Kipnis, A. B.** [Air-raid, preventive measures in pediatrics] Vrach. delo, 1940, 22: 287–90.—**Korsunskaia, M. I.** [Health service for evacuated children] Hig. zdorov., 1942, 7: 12–7.—**Mansfeld.** Arbeitszeit der Jugendlichen bei Ausfall des Berufsschulunterrichts wegen Fliegeralarms. Arbeitsschutz, 1940, 282.—**Mons, W. E. R.** Air raids and the child. Brit. M. J., 1941, 2: 625.—**Passim** [notes on civilian defense] Guy's Hosp. Gaz., Lond., 1940, 54: 185.—**Percival, E. N.** Children in wartime. J. Am. Osteopath. Ass., 1942–43, 42: 342–4.—**Protección** (La) de los niños y las madres en las ciudades en tiempo de guerra; la protección en zonas de peligro. Bol. Inst. internac. amer. protec. inf., Montev., 1942, 16: 194–208.—**Rolleston, C.** The medical examination of evacuees. Med. Off., Lond., 1942, 67: 30.—**Saving** children in air attacks. J. Am. M. Ass., 1941, 117: 1030.—**Smith, R. M.** Protection of children in wartime. N. England J. M., 1942, 227: 236.—**Thomas, R.** Children in wartime; foster parents. Bull. from Britain, 1942, No. 77, 7–10.—**Van Horn, A. L., & Hall, B.** Planning for crippled children in the event of evacuation. Crippled Child, 1942–43, 20: 88.

—— Protection of the sick.

See also **Hospital administration,** Protection.

Agena. Ausbau des Krankentransportes im Luftschutz. Zschr. ges. Krankenhausw., 1934, 590–2.—**De Senectute** [pseud.] Chronic sick in bombed towns. Brit. M. J., 1941, 1: 987.—**Evacuation** of patients from London. Lancet, Lond., 1941, 1: 163.—**Gregory, A.** Chronic sick in bombed towns. Brit. M. J., 1941, 2: 284.—**Sick** (The) in bombed areas, by Cockney. Lancet, Lond., 1940, 2: 696.—**Sinclair-Loutit, K. W. C., & Shirlaw, G. B.** The sick in bombed areas. Ibid., 823.—**War** notice. Brit. M. J., 1940, 1: Suppl., 95.

—— Psychological aspect.

CAUSSE, P. *De quelques aspects psychologiques de la défense passive. 36p. 24cm. Par., 1940.

Bartemeier, L. H. Psychiatry in civilian defense. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 278–85.

—— Red Cross service.

See under **Red Cross.**

—— Services.

See also other subheadings; also in this section, **Emergency medical service.**

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. Civilian war services; an operating guide for local defense councils. 40p. 23½cm. Wash., 1943.

UNITED STATES. OFFICE OF DEFENSE HEALTH AND WELFARE SERVICES. Health, welfare and related aspects of community war services. Rev. ed. 15p. 27cm. Wash., 1942.

Ellis, W. J. Community wartime services. Training school Bull., 1942–43, 39: 150–2.—**Herlnghans.** Allgemeine Fürsorge bei Grossangriffen. Gasschutz & Luftschutz, 1943, 13: 22–8.—**Hogben, G. H.** Welfare of persons rendered homeless as the result of enemy action. J. R. San. Inst., 1940–41, 61: 171–4.—**Rácz, L., & Telblsz, A.** [Service for air raid precautions] Orv. hetil., 1938, 82: mell., 198.—**Sillevaerts, C.** Ce que doivent être les services d'une sécurité civile qui veut être efficace Bruxelles méd., 1949, 29: 2005; 2066.

—— Shelter.

See **Emergency medical service,** Shelter service; **Shelter.**

—— Training.

See also **Emergency medical service; First aid.**

CANADA. OFFICE OF THE DIRECTOR OF CIVIL DEFENCE. Training pamphlets. Ottawa, No. 1, 1944– .

GREAT BRITAIN. MINISTRY OF HOME SECURITY. AIR RAID PRECAUTIONS DEPARTMENT. Air raid precautions training bulletin, No. 2. 16p. 21½cm. Lond., 1940.

UNITED STATES. FEDERAL WORKS AGENCY. Training bulletin No. 1: Air raid defense training for federal employees [28]p. 18½cm. Wash., 1941.

——— Training bulletin No. 2: Air raid defense training for federal employees. 6p. 19½cm. Wash., 1942.

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. Training courses for civilian protection; enrolled volunteer groups. 34p. 27cm. Wash., 1941.

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

UNITED STATES. OFFICE OF EDUCATION. Education and national defense series: Pamphlets. Wash., No. 9, 1941– .

Air Wardens' School and Boys State hold assemblies at school for deaf. Welf. Bull., Springf., 1942, 33: No. 8, 17.—**Ejercicios** de defensa antiaérea, año 1943; directivas a seguir por la población. Rev. mil., B. Air., 1943, 43: pt 2, 847–69.—**Exercise** (An) in A. R. P. Lancet, Lond., 1940, 1: 1133–5.—**Fisher, J. B.** War Department civilian defense courses graduate over 500 in 1941; program expected to be expanded in 1942 to graduate 5000 students. Chem. Warf. Bull., 1942, 28: 28–30.—**Hodsoll, J.** Exercises for civil defense services. Baltimore Health News, 1942, 19: 88–90.—**I am** a bomb! Pacific Coast J. Nurs., 1942, 38: 272.—**Koblelev, P. P.** Compulsory defense training. Personnel J., 1941–42, 20: 236–8.—**Peirce, W. A.** An experience in civilian defense training. Water Works & Sewer., 1942, 89: 339.—**Raid** demonstration for American physicians (London) J. Am. M. Ass., 1941, 117: 1371.—**Roojen, P. H. van** [Organization of courses for aerial defense] Geneesk. gids, 1938, 16: 462–4.—**St.** [Instructions for air raid attacks] Ibid., 1114.—**Voluntary** defense training, by a Moscow housewife. Personnel J., 1941–42, 20: 231–5.—**Werks-,** Luft- und Gasschutzübung. Zschr. Gewerbehyg., 1934, 41: Fabriksfeuerw., 35; 40.

—— Utilities.

LANGE, T. S. Budowa i obsługa sieci telefonicznej O. P. L. 2. ed. 121p. 8° Warsz., 1934.

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. DEFENSE COMMUNICATIONS BOARD. Memorandum on municipal signaling systems; including specifications for emergency electrical power equipment. 24p. 27cm. Wash., 1941.

Forms No. 12, Pub., Off. Civilian Defense U. S.

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

Air-raid damage and electricity supply. Nature, Lond., 1942, 149: 173; 362; 435.—**Handley, B.** Air raid precautions as affecting public utility undertakings, with special reference to electricity undertakings. J. R. San. Inst., 1938–39, 59: 332–4; disc., 344–8.—**Repair** squads for water and sewerage systems.

N. Hampshire Health News, 1942, **20**: No. 2, 15.—**Sewell, T.** Sanitary questions arising from enemy attack on towns. J. R. San. Inst., 1942, **62**: 154–60.—**Shestakov, M. N.** [Repair of damages to water mains and sewers] Vodosnab. san. tekhn., 1942, **17**: 9–13.—**War** (A) game test of telephone service. Bell Teleph. Q., 1939, **18**: 3–12, 4 pl.

—— Utilities: Sewage.

Batten, F. J. R., & Hardy, J. Air raid precautions as adaptable to sewage disposal works. Sewage Purif., Lond., 1939, **1**: 32, &c.—**Devendorf, E., & Dappert, A. F.** War damage to sewerage systems; New York State formulates mutual aid plans. Sewage Works Engin., 1942, **13**: 497–502.—**Hardy, E.** Protecting English sewage works from air raids. Ibid., 305.—**Ingram, W. T.** Protection of sewage works in war time. Sewage Works J., 1943, **15**: 711–24.—**Protection** during war of public sewerage systems; some timely suggestions for preventing sabotage in sewer systems. Sewage Works Engin., 1944, **15**: 93.—**Sewer** squad organization for air raids. Engin. News Rec., 1942, **128**: 423.

—— Utilities: Water supply.

Air attack effects and guarding water works property; report on general and plant management sessions held at Chicago wartime conference. Water Works Engin., 1942, **95**: 830; 862.—**Air-raid** organization measures for water supply protection. Engin. News Rec., 1942, **128**: 92; 990.—**Arnold, G. E.** Protection of water and food supplies in an emergency. Am. J. Pub. Health, 1942, **32**: 1097–1104.—**Bennett, R.** Operation of distribution systems under bombing conditions; a summary and conclusions based principally on English experience. Water Works & Sewer., 1942, **89**: 261–5.—**Berry, H.** Water service in wartime London. J. Am. Water Works Ass., 1942, **34**: 1298–1327. ——— Pumping stations in the blitz. Ibid., 1689–91.—**Bunnell, A. E. K.** Wartime control of public utilities. Ibid., 823–8.—**Carl, K. J.** Can American water systems provide adequate civilian defense? with reference in particular to fire service in the vicinity of fractured mains should air raids come. Water Works & Sewer., 1942, **89**: 194–7.—**Casey, J. J.** Emergency cistern supply; San Francisco has large cistern supply for fighting fire if the city is bombed. Water Works Engin., 1942, **95**: 658–60.—**Cleary, E. J.** Strategy and tactics on a wartime waterworks project. Engin. News Rec., 1942, **129**: No. 15, 64–8.—**Cook, H. J.** Organizing an emergency waterworks repair unit. Water Works & Sewer., 1942, **89**: 177.—**Critchlow, H. T.** Water supply defense in New Jersey. J. Am. Water Works Ass., 1941, **33**: 1517–33.—**Dappert, A. F.** New York State Mutual Aid Plan for Water Service in Case of Emergencies. Ibid., 1942, **34**: 189–99.—**Domestic** water supplies in war. Brit. M. J., 1941, **2**: 381.—**Emergency** (The) water supply program. J. Am. M. Ass., 1943, **121**: 351.—**Gorman, A. E.** Chicago civilian defense plans for water safety control. J. Am. Water Works Ass., 1942, **34**: 1343–56.—**Goudey, R. F.** Wartime protection of water supplies. Am. J. Pub. Health, 1941, **31**: 1174–80.—**Hochlerner, T.** Defense measures for New York water supply. J. Am. Water Works Ass., 1941, **33**: 689–700.—**Howard, N. J.** Defense of water supply works. Ibid., 1475–80.—**Howe, B. V.** Safe water supplies, a vital necessity in times of emergency. Colorado Bd Health Bull., 1942, **6**: 11–3.—**Jordan, H. E.** Public water supply in the civil defense program. J. Am. Water Works Ass., 1941, **33**: 121–37.—**Kost, N. A.** [Project of sanitary zones for the protection of water supply] Hig. & zdorov., 1941, **6**: No. 11, 16–22.—**Kovarsky, M.** [Protection of piped water and other sources of potable and agricultural water during air raids] Ibid., 53.—**Louis, L.** The mutual aid plan for water works and sewage plants in Indiana. Month. Bull. Bd. Health Indiana, 1942, **45**: 183.—**McNamee, R. L.** Water supply in wartime. J. Am. Water Works Ass., 1943, **35**: 687–93.—**Maintenance** of water supplies under war conditions. Pub. Works, N. Y., 1942, **73**: No. 8, 29–32.—**Morison, A. G.** Air raids and water purity. Med. Off., Lond., 1942, **67**: 19.—**Nuebling, E.** Guarding New York's supply. Water Works Engin., 1942, **95**: 640; 704.—**Oakman, R. G.** Operating a water works during war time conditions and emergency. Ibid., 1941, **94**: 1612. ——— War time protection of public water supplies; New England Water Works Association hears of plans followed by various states in New England. Ibid., 1942, **95**: 142; 156.—**O'Neill, J. H.** Emergency water supply and sewage disposal. N. Orleans M. & S. J., 1942–43, **95**: 73–7.—**Organization** and training of water main emergency repair crews and auxiliary personnel assigned to emergency water service duties. J. Am. Water Works Ass., 1942, **34**: 803–22.—**Perera, R.** Emergency reservoirs. Water Works Engin., 1942, **95**: 16–9.—**Potter, H. H.** Sterilization of water mains and emergency water supplies. Ibid., 417.—**Protection** (The) of public water supplies for national defense. Health News, Albany, 1941, **18**: 195.—**Protection** of water supplies in war time. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 21.—**Reinke, E. A.** Supervision of public water supplies in wartime. Ibid., 157–9.—**Renton, G. F.** Sterilization of water mains and emergency water supplies. J. R. San. Inst., 1942, **62**: 33–53.—**Sanitation** (The) of public water supplies in wartime. Health News, Albany, 1942, **19**: 185.—**Scott, W. J.** Water supplies and sanitation under war conditions. Connecticut Health Bull., 1942, **56**: 223–7.—**Should** bombs come; equipment and materials available for meeting conditions brought about by explosions of bombs. Water Works Engin., 1942, **95**: 298–303.—**Spieker, R. G.** Water works preparedness in South Dakota. Clarifier, Pierre, 1942, **7**: 5.—**Tarbett, R. E.** Water supply protection in civilian defense. J. Am. Water Works Ass., 1942, **34**: 1335–42.—**Thomas, D. S., & Foote, H. B.** Notes on water works defense. Ibid., 1941, **33**: 1866–8.—**Thrasher, W. E.** Auxiliary water supply in Westchester County, N. Y. Ibid., 680–88.—**Use** of water supplies during air raids. N. Hampshire Health News, 1942, **20**: No. 2, 13–5.—**War** protection of public water supplies. Ibid., 2–5.—**Wartime** waterworks problems. Engin. News Rec., 1942, **129**: No. 3, 77.—**Water** supply in air raids. Ibid., 1942, **128**: 192.—**Water** supply protection in civilian defense. Week. Bull. Oregon Bd Health, 1942, **20**: No. 21, 1–4.—**Water** supply protection in U. S. coastal states; an outline of plans of water systems in states that border the 2 occans. Water Works Engin., 1942, **95**: 90; passim.—**Weir, W. V.** Emergency repair of distribution systems. Water Works & Sewer., 1942, **89**: 349–51.—**Wildsmith, A. C.** Wartime water works maintenance in Britain. J. Am. Water Works Ass., 1942, **34**: 179–88.—**Wood, W. H., & Pulham, C. J.** Protection of utility services in wartime. Ibid., 1941, **33**: 1440–7.

—— Veterinary aspect.

Air raid precautions for animals. Vet. Rec., Lond., 1940, **52**: 325.—**Air raid** precautions, animals, in Victoria. Austral. Vet. J., 1942, **18**: 134–6.—**Alur, K. R.** A. R. P. hints for animals. Ind. Vet. J., 1942–43, **19**: 81–3.—**A. R. P.** for animals in England. Australas. J. Pharm., 1941, **22**: 515.—**Bourmer.** Der Luftschutz in den Schlacht- und Viehhöfen. Vet. Bull., Lond., 1943, **13**: 145 (Abstr.)—**Bywater, H. E.** Air raid precautions for animals. Ind. Vet. J., 1940, **17**: 177–97. Also Vet. J. Lond., 1940, **96**: 221; 269.—**Care** of pets in an air raid. A–V, Phila., 1942, 16.—**Coleman, S. H.** We are a united front; humane care for animals during air raids and other wartime emergencies. North Am. Vet., 1942, **23**: 515–9.—**DeCamp, C. E.** A program for air-raid service for animals. Ibid., 376.—**Laue, W.** Tierluftschutzanlagen in meiner Praxis. Zschr. Veterinärk., 1935, **47**: 117–25.—**Treatment** (The) and disposition of stockyards animals subjected to gas attacks. J. Am. Vet. M. Ass., 1943, **103**: 80.—**Willson, R. F.** Air raid precautions for the veterinarian; care of small animals. M. S. C. Vet., East Lansing, 1941–42, **2**: 48.—**Wooldridge, W. R.** The veterinary profession and air raid precautions for animals. Vet. Rec., Lond., 1940, **52**: 315–24.

—— by countries.

Poland. Ministerstwo Spraw Wewnętrznych. Ogólna instrukcja o organizacji samoobrony ludności pod względem o. p. l. 16p. 19½cm. Warsz., 1937.

——— Instrukcja dla komendantów obrony przeciwlotniczej i przeciwgazowej domów (bloków) mieszkalnych. 16p. 20½cm. Warsz., 1938.

Romeyko, M. Wskazówki dla powołanych do pełnienia służby obserwacyjno-meldunkowej przy obronie przeciwlotniczej kraju. 4. ed. 38p. 8° Warsz., 1935.

Air raid precautions in India. J. Ind. M. Ass., 1938–39, **8**: 477.—**Allemagne.** Rev. internat. Croix Rouge, 1942, **24**: 120–2.—**A. R. P.** in Germany. Brit. M. J., 1940, **1**: 1025.—**A. R. P.** work in India; handbook issued by Government. Ind. M. Gaz., 1941, **76**: 242.—**Calvo Fonseca, R.** Un aspecto del problcma de la defensa civil. Rev. med. circ. Habana, 1942, **47**: 25–30.—**Cordova, C. C. de.** La campaña de la Liga puertorriqueña contra el cáncer y la defensa civil. Rev. Liga puertorriq. cáncer, 1942, **2**: 1.—**Cornejo, R. H.** La defensa civil en el Perú. Crón. méd., Lima, 1943, **60**: 260–72.—**Couvy.** Prévisions de prophylaxie aérienne en Afrique occidentale française. Ann. méd. pharm. col., Par., 1937, **35**: 565–75.—**Defensive** measures against air bombardments (France) J. Am. M. Ass., 1939, **113**: 1578.—**Desfosses, P.** La défense antiaérienne en Italie. Presse méd., 1935, **43**: 53.—**Fünfte** Durchführungsverordnung des Reichsministers der Luftfahrt und Oberbefehlshabers der Luftwaffe zum Luftschutzgesetz. Reichsgesundhbl., 1938, **13**: 321.—**Gebele, H.** Sammelbericht über Gas- und Luftschutz. Münch. med. Wschr., 1941, **88**: 406 (microfilm)—**Government** of India's ARP proposals. Ind. M. Gaz., 1941, **76**: 619.—**Groulx, A.** Le Comité de protection civile et la profession médicale. Union méd. Canada, 1942, **71**: 792–800.—**Haegele, K.** Die ersten Massnahmen des Landrats als Feststellungsbehörde bei Fliegerschäden. Deut. Verwalt., 1943, **20**: 159–61.—**Kastein, G. W.** [Passive defense of the civilian population against air raids; Spanish experiences] Ned. tschr. geneesk., 1939, **83**: 3372–82.—**Leonhartsberger, H.** Das Luftschutzgesetz und seine praktische Durchführung. Wien. klin. Wschr., 1939, **52**: 737–40.—**Luftschutzgesetz.** Reichs-Gesundhbl., 1935, **10**: 641.—**McCall, J. J. L.** Air raid precautions, or passive air defence in Australia. Med. J. Australia, 1939, **2**: 554.—**Mesures** de défense passive. Rev. internat. Croix Rouge, 1943, **25**: 488–91.—**National** emergency services of New South Wales. Med. J. Australia, 1941, **1**: 619.—**New** activities under the minister; A. R. P. organzations protect civilians in the more vulnerable centres. Nat. Health Rev., Ottawa, 1940, **8**: 20–3.—**Protection** against aerial attacks [Netherlands] J. Am. M. Ass., 1939, **113**: 522.—**Protection** des populations civiles; mesures de défense passive; Allemagne.

Rev. internat. Croix Rouge, 1942, **24**: 678.—**Protection** des populations civiles; mesures de défense passive [Allemagne; France] Ibid., 346–8.—**Roggéro, A. J., & González, R. A.** Defensa antiaérea; conferencia. Rev. mil., B. Air., 1941, **41**: pt 2, 767–812, 2 maps, ch.—**Speicher.** Luftschutz und Reichsautobahnen. Gasschutz & Luftschutz, 1943, **13**: 65–7.—**Vargas, F. R., Zuckermann, C.** [et al.] Protección de la población civil en época de guerra. Rev. mex. cir., 1943, **11**: 3–9.—**Waldkirch, E. v.** La protection antiaérienne en Suisse. Méd. & hyg., Genève, 1947, **5**: 191.

—— by countries: Great Britain.

Cambridge Scientists' Anti-War Group. The protection of the public from aerial attack, being a critical examination of the recommendations put forward by the Air Raid Precautions Department of the Home Office. 127p. 19cm. Lond., 1937.

Air raid precautions (London) J. Am. M. Ass., 1936, **106**: 1506.—**Air raid** precautions (Great Britain) Ibid., 1938, **111**: 70.—**Air raid** precautions in London. Lancet, Lond., 1938, **2**: 914.—**Baehr, G.** Lessons from British experience in civilian defense. J. Am. M. Ass., 1942, **120**: 1045.—**British** experience in civil defense. California West. M., 1942, **57**: 369.—**Davies, T.** Air raid precautions from a chief constable's point of view. J. R. San. Inst., 1938–39, **59**: 319–25, disc., 344–8.—**Government** (The) and precautions against air raids [Great Britain] J. Am. M. Ass., 1937, **109**: 2078.—**London's** war-time problems. Nurs. Times, Lond., 1940, **36**: 1023.—**Mackintosh, J.** Civil defense problems in Britain. Westchester M. Bull., 1942, **10**: No. 4, 13.—**Maintenance** of public services during the bombing of London. J. Am. M. Ass., 1941, **117**: 1030.—**Precautions** against air raids [London letter] Ibid., 1937, **109**: 884.—**Protection** in air raids [Great Britain] Ibid., 1938, **110**: 1682.—**Protection** of the civilian population against air raids [England] Ibid., 1937, **108**: 1552.—**Protection** (The) of London against air raids. Ibid., 1938, **111**: 1117.—**Royal** College of Surgeons takes precautions against air raids. Ibid., 1939, **113**: 1501.—**Shinnie, A. J.** Civil defence measures in Westminster, 1939–1945. Med. Off., Lond., 1946, **76**: 175.—**Williams, H.** Civilian protection in blitzed England. Johns Hopkins Alumni Mag., 1941–42, **30**: 1–5. Also Johns Hopkins Nurs. Alumnae Mag., 1942, **41**: 5–9.

—— by countries: United States.

Dupuy, R. E., & Carter, H. Civilian defense of the United States. 296p. 21½cm. N. Y., 1942.

United States. Office of Civil Defense Planning. Civil defense for national security. 301p. 23½cm. Wash., 1948.

Wilson, W. L. Civil defense. 13 l. 26½cm. Wash., 1950.

—— Civil defense today. 16 l. 32cm. Wash., 1950.

—— How should we apply the lessons learned in World War II to future planning? 37 l. 27cm. Wash., 1950.

—— Our stake in security [2]p. 27½cm. Wash., 1950.

Also: Med. Ann. District of Columbia, 1950, **19**: 147–8.

Carl, K. J. Evidence presented that American cities can take it when mains are subjected to wartime bombing conditions. Water Works Engin., 1942, **95**: 516–9.—**Civilian** defense. Illinois M. J., 1942, **81**: 93.—**Civilian** defense in Minnesota. Minnesota M., 1942, **25**: 288.—**Civilian** defense in San Bernardino County. Pacific Coast J. Nurs., 1942, **38**: 598–600.—**Faus, R. B.** Pearl Harbor and civil defense. Bull. U. S. Army M. Dep., 1949, **9**: 890–7.—**Mackintosh, J. M.** Civil defence in the United States. Pub. Health, Lond., 1941–42, **55**: 163–5.—**Measures** being taken for civilian defense in Pennsylvania. Pennsylvania Health, 1941–42, **2**: No. 9, 6.—**Mehl, H.** Vom Luftschutz in den Vereinigten Staaten von Amerika. Gasschutz, 1942, **12**: 238–44.—**Mesures** de défense passive; Allemagne; Etats-Unis. Rev. internat. Croix Rouge, 1941, **23**: 1001–3.—**Schlichter, C. H.** Civilian defense. J. M. Soc. N. Jersey, 1942, **39**: 215.

CIVILIAN Defense Office.

United States. Office of Civilian Defense. Circular, medical series. Wash., No. 1, 1941–

—— A civilian defense volunteer office; an official arm of the local defense council; what it is, how to organize it, what it does. 27p. 27cm. Wash., 1942.

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

—— [Insignia of the Civilian Defense Organization and their definition] 16 l. 26½cm. Wash., 1942.

—— Operations letter. Wash., 1942–

—— Release, Aug. 9, 1943: Changes in sanitary engineering section, Medical Division, Office of Civilian Defense. 1 l. 26½cm. Wash., 1943.

—— Release, Aug. 9, 1943: Changes in staff of Medical Division, Office of Civilian Defense. 1 l. 26½cm. Wash., 1943.

Baehr, G. Medical Division, Bulletin No. 3; prepared by the Office of Civilian Defense, Washington, D. C. Hosp. Progr., 1942, **23**: 19–30.—**Change** in terminology of directives. Circ. M. Ser. U. S. Off. Civ. Defense, 1942, 19.—**Civil** defense for national security by the Office of Civil Defense Planning. Nuclear Sc. Abstr., 1949, **2**: 159.—**Civilian** defense; Office of Civilian Defense. N. England J. M., 1941, **225**: 961.—**Hughes, W. L.** The Civilian Defense Physical Fitness Program. J. Health Phys. Educ., 1942, **13**: 71; 106.—**Official** bulletin of the Office of Civilian Defense. Mod. Hosp., 1942, **58**: No. 2, insert, 2.—**Physical** fitness division abolished. J. Am. M. Ass., 1942, **119**: 199.—**Releases,** United States Office of Civilian Defense. Bull. Am. Coll. Surgeons, 1943, **28**: 164–7.—**Third** defense region, OCD, gives EMS course for physicians. Baltimore Health News, 1942, **19**: 55.

CIVILIAN defense worker.

United States. Office of Civilian Defense, and Office of Defense Health and Welfare Services. Volunteers in health, medical care and nursing. 11p. 27cm. Wash., 1942.

In: Planning Guides etc. (U. S. Off. Civilian Defense, Training Sect.) 1942.

Harrison, C. The First Aid Corps; Consolidated Vultee Corporation, Nashville, Tennessee Division. Indust. M., 1943, **12**: 390–3.—**Horder.** Rest for civil defence workers. Brit. M. J., 1941, **2**: 888. —— Convalescent homes for civil defence workers. Lancet, Lond., 1941, **2**: 747. —— Rest homes for civil defence workers. Med. Off., Lond., 1941, **66**: 199.—**Protection** des populations civiles contre la guerre aéro-chimique; à propos de la mobilisation civile des femmes. Rev. internat. Croix Rouge, 1939, **21**: 202–17.—**Women's** help in civil defense. J. Am. M. Ass., 1942, **119**: 95.

—— Air raid warden.

Canada. Office of the Director of Civil Defence. Training manual for wardens. 81p. 21cm. Ottawa, 1944.

United States. Office of Civilian Defense. A handbook for air raid wardens. Rev. ed. 60p. 19cm. Wash., 1941.

—— Award.

Awards for gallantry in civil defence. Pub. Health, Lond., 1940–41, **54**: 94. Also Brit. M. J., 1941, **1**: 141.

—— Injury and disease.

Aerztliche Untersuchung der Luftschutzdienstpflichtigen. Rcichsgesundhbl., 1938, **13**: 322–4.—**Bernecker, E. M.** Medical care for civilian defense workers who are injured in the performance of their duties. Bull. M. Soc. Co. Kings, 1943, **22**: 158. Also N. York State J. M., 1943, **43**: 1546.—**Bonnet, F.** Amputación traumática parcial de mano por explosión de detonante de bomba de ejercicio; consideraciones médico-legales. Rev. As. méd. argent., 1943, **57**: 249–51.—**Civilian** Defense workers entitled to medical care under War Civilian Security Program. Bull. M. Soc. Co. Erie, 1943, **20**: No. 5, 8.—**Horder.** Health of the civil defence worker. Lancet, Lond., 1942, **2**: 521.—**Personal** injuries connected with civil defence. Med. Off., Lond., 1940, **64**: 114.

—— by occupations.

Air raid precautions; the role of the pharmacist. Pharm. J., Lond., 1938, **86**: 593–5.—**Air-raid** precautions; short points for the guidance of chemists. Ibid., 1939, **89**: 263.—**Bourke, J. J.** Civilian defense and the role of the dental profession. N. York J. Dent., 1944, **14**: 157–60.—**Chemists** and air raid casualties. Pharm. J., Lond., 1940, **90**: 257.—**Christy, R. L.** Colorado State Dental Association emergency plan for civilians. J. Colorado Dent. Ass., 1942–43, **21**: 19.—**Parkin, J.** An engineer and surveyor's part in air raid precautions schemes. J. R. San. Inst., 1938–39, **59**: 325–32, disc., 344–8.—**Role** (The) of dentists in civilian defense. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 11.—**Somers, T.** The place of the master of works and city engineer in the scheme of air raid precautions. J. R. San. Inst., 1938–39, **59**: 76–81.

—— by occupations: Nurse.

UNITED STATES. CIVILIAN DEFENSE OFFICE. MEDICAL DIVISION. Role of nurses in civilian war service explained in new OCD bulletin. 6p. 27cm. Wash., 1943.

Baehr, G. The nursing representative in the local Medical Advisory Council. Med. Div. Mem. U. S. Off. Civ. Defense, 1941, No. 4. ——— Training of volunteer nurses' aid. Ibid., 1941, No. 2.—**Edwards, C. R.** The nurse's responsibility in civilian defense. Bull. Nurses' Alumnae Ass. Univ. Maryland, 1942, 16–8.—**Hunt, W. D.** Nurses in civilian defense. Pacific Coast J. Nurs., 1941, **37:** 723.—**Nurses'** Aides Unit of United States Citizens Defense Corps. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 17, 1–4.—**Randall, M.** Your part in civilian defense. Am. J. Nurs., 1942, **42:** 60. Also Pub. Health Nurs., 1942, **34:** 22.—**Role** of nurses in civilian war service explained in bulletin. Hosp. Management, 1943, **55:** No. 3, 49–51. Also Puerto Rico Health Bull., 1943, **7:** 107–9.—**Swanson, M.** The school nurse and civilian defense. Pub. Health Nurs., 1942, **34:** 203–9.—**Volunteer** Nurses Aide Corps. J. Iowa M. Soc., 1942, **32:** 556.

CIVILIAN evacuation.

See also **Civilian defense,** Protection of children; **Evacuation.**

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. Evacuation bulletin No. 2: The civilian evacuation program; planning for evacuation and reception care. 53p. 28cm. Wash., 1942.

UNITED STATES. OFFICE OF CIVILIAN DEFENSE AND OFFICE OF DEFENSE HEALTH AND WELFARE SERVICES. Bulletin No. 1: The civilian evacuation program; policies and principles. 6p. 27cm. Wash., 1943?

Evacuation measures for Greater London. Med. Off., Lond., 1944, **72:** 60.—**Evacuation** of populous areas in war. J. Am. M. Ass., 1938, **111:** 2026.—**Evacuation** System Manual No. 2. N. England J. M., 1942, **226:** 165–8.—**Fougerat.** La défense passive vue par un médecin; l'évacuation et l'éparpillement des populations menacées. J. méd. Paris, 1938, **58:** 441; 466.—**Haine, J. E.** The medical side of evacuation. Med. Off., Lond., 1939, **62:** 147.—**Jansma, K.** Aperçu historique sur le sort des non-combattants dans les conflits armés. Protect. pop. civ., Par., 1938, **1:** 35–63.—**Kephart, C. I.** Evacuation planning and operation. Tr. Nat. Safety Counc., 1942, 31. Congr., **2:** 102–4.—**Swift, S.** The administration of the government evacuation scheme in the city of Oxford. J. R. San. Inst., 1942, **62:** 127.—**Talamo, P.** Aggressivi chimici; rapporti con la gravidanza; necessità e modo di stabilire una sana profilassi antigas per le gravide, in caso di guerra. Clin. ostet., 1939, **41:** 515–22.—**Umquartierung** siecher und gebrechlicher alter Personen aus Luftschutzgründen und wegen Fliegerschäden. Deut. Aerztebl., 1943, **73:** 210.

CIVILIAN medical care.

See this subheading under **Physician.**

CIVIL Relief Act.

See also **Civil rights; Dependent.**

Changes in Soldiers' and Sailors' Civil Relief Act made by bill enacted by Congress and approved on October 6, 1942. Ohio M. J., 1942, **38:** 1056.—**Greene, S.** Soldiers' and sailors' relief legislation is broadened; Congress authorizes added legal rights for men in service. Med. Econom., 1942–43, **20:** 77–86.—**Hassett, J. N.** The Soldiers' and Sailors' Civil Relief Act. Philadelphia M., 1941–42, **37:** 1486. Also Week. Bull. S. Louis M. Soc., 1941–42, **36:** 395–7. Also Bull. Sangamon Co. M. Soc., 1942, **7:** 71–3.—**Jensen, W. A.** Civil relief for soldiers and sailors; a critical analysis. Current Leg. Thought, 1941–42, **8:** 144–50.—**Recent** amendments to the Soldiers' and Sailors' Civil Relief Act. J. Am. Dent. Ass., 1942, **29:** 2074–6.—**Soldiers'** and Sailors' Civil Relief Act of 1940. Current Leg. Thought, 1940–41, **7:** 452–7. Also J. Am. M. Ass., 1941, **117:** 51; 1942, **120:** 539.—**Soldiers'** and Sailors' Civil Relief Act amendments. Illinois M. J., 1942, **82:** 337–9. Also J. Arkansas M. Soc. 1942–43, **39:** 138–40. Also N. York J. Dent., 1943, **13:** 30–2.—**Soldiers'** and Sailors' Civil Relief Act; stay of action. Current Leg. Thought, 1943–44, **10:** 423–6.—**Stephens, D. W.** Highlights of the Soldiers' and Sailors' Relief Act. Oral Hyg., Pittsb., 1943, **33:** 1546–8.

CIVIL rights.

See also **Civil Relief Act; Prisoner of war,** Civilian status; also **Physician,** Civilian affairs; **Soldier; Veteran,** Laws and regulations.

Act (An) concerning renewal of hairdressers and cosmeticians' licenses to persons in the armed forces. Connecticut Health Bull., 1943, **57:** 170.—**Lewis, S. R.** Protection of civilian interests of persons in military service. J. Am. Dent. Ass., 1942, **29:** 500–3.—**Protection** of civil rights of persons in military service. J. Am. M. Ass., 1942, **118:** 306. Also J. Oklahoma M. Ass., 1942, **35:** 75. Also J. Tennessee M. Ass., 1942, **35:** 66–8.—**Protection** of civil rights for those in service. Illinois Dent. J., 1942, **11:** 74–6.—**Rights** (The) and privileges of men in the military forces. Mil. Engineer, 1943, **35:** 352–5.—**Spohr, W.** Der Schutz der Wehrmachtsangehörigen durch die Gerichte. Med. Welt, 1940, **14:** 689–91.

CIVIL War.

See at various places under **Wars and campaigns** (1642–60: 1860–64; 1911–26; 1936–39)

CLASSIFICATION.

See also **Aviator** subheadings (Classification; Psychophysical test) also **Medical examination,** Classification and regrading; **Neuropsychiatric examination; Occupational specialty; Personality test; Personnel selection; Physician,** Classification; **Wounded,** Classification.

UNITED STATES. WAR DEPARTMENT. Tentative army regulations No. 605–95: Commissioned officers. v.1. Officer civilian classification. v.2. Officer military classification and job specifications. 425p. 32cm. Wash., 1943.

Bingham, W. V. How the Army sorts its manpower. Harpers Mag., 1942, September, 432–40.—**Brigham, C. C., Garrett, H. E.** [et al.] Report of the Committee on Classification of Military Personnel advisory to the Adjutant General's Office. Science, 1941, **93:** 572–4.—**Harrell, T. W., & Churchill, R. D.** The classification of military personnel. Psychol. Bull., 1941, **38:** 331–53.—**Hopkins, P.** Observations on army and air-force selection and classification procedures in Tokio, Budapest, and Berlin. J. Psychol., Provincet., 1944, **17:** 31–7.—**Kelley, D. M.** Classification of personnel in the British Army. War Med., Chic., 1943, **3:** 386–92.—**Malone, C. L.** Army classification. Mil. Rev., Fort Leavenw., 1942–44, **23:** No. 12, 11–4.—**Personnel** research in the Army; the classification system and the place of testing. Psychol. Bull., 1943, **40:** 205–11.—**Strong, E. K.** Work of the Committee on Classification of Personnel in the Army. J. Applied Psychol., 1918, **2:** 130–9.—**Yerkes, R. M.** Psychological examining and classification in the United States Army. Science, 1920, **51:** 597.

CLASSIFIED matter.

See **Security.**

CLASS of supply.

See **Supply;** also under such terms as **Ammunition; Clothing; Equipment; Food; Fuel,** etc.

CLEARING company.

See also **Clearing station.**

De Sautelle, W. A. Forward medicine; medicine in a clearing company. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3:** 199–201.—**Suggestions** for clearing companies in battle zones. Gen. M. Interest Lett., Ottawa, 1945, No. 10, 8.

CLEARING station.

See also the forward and rear echelons of the medical evacuation chain such as **Aid station; Collecting station;** also such terms as **Battlefield,** Medical activities; **Blood transfusion,** Field technic; **Evacuation,** etc.

Abramov, P. Glavnyi polevoi evakuacionnyi punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 95–9.—**Akodus, J.** Polevoi evakuacionnyi punkt. Ibid., **4:** 719–22.—**Brown, J. J. M., Ross, J. A.** [et al.] Experience at a casualty clearing station. Lancet, Lond., 1940, **2:** 443–5.—**Casualty** clearing stations in mobile warfare. Brit. M. J., 1918, **1:** 457.—**Challenor, L. T.** Life in a C. C. S. during the Great war. J. R. Army M. Corps, 1940, **75:** 53–7.—**Clarke, R. C.** The evolution of a casualty clearing station on the Western front. Bristol Med. Chir. J., 1937, **54:** 1–20.—**Danilov, V.** Etap medicinskoi evakuacii. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 1261–5.—**Ford, F. S. L., & Maclean, W. L.** The casualty clearing station. Nova Scotia M. Bull., 1940, **19:** 427–34.—**Goodwin, T. H.** The casualty clearing stations. J. Am. M. Ass., 1917, **69:** 636.—**Grissinger, J. W.** Comments on a proposed casualty clearing station. Mil. Surgeon, 1932, 71: 16–20.—**Konoplev, P.** Raspredelitelnyi evakuacionnyi punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1052–5.—**Kurgannikov, I. N.** Nekotorye voprosy raboty evakopunkta glubokogo tyla. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 5–8.—**Leonardov, B.** Glavnye punkty

medicinskoi pomoshchi. In: Bolsh. med. encikl., 1934, 28: 69.—**Life** in a casualty clearing station. Long Island M. J., 1918, 12: 373–82.—**Lorenz, W. F.** A casualty clearing station. Mil. Surgeon, 1932, 70: 323–53.—**Necesidad** (Sobre la) de los Puestos de clasificación; casos especiales. Voz san., N. Orl., 1937, No. 20, 8; No. 21, 12.—**Nikolaev, G. F.** Lechebnye meropriiatia na polkovykh medicinskih punktakh i evakuacia na divizionnye medicinskie punkty. In: Opyt sovet. med. Velik. otech. voine, Moskva, 1949, 12: 82–6. ——— Obshchie principy okazania pomoshchi i etapnogo lechenia ranennykh v zhivot; sroki dostavki ranennykh v zhivot na DMP i v KPPG. Ibid., 86.—**Ortega Gordejuela, L.** Recogida y evacuación de bajas en los puestos de clasificación de Cuerpo de Ejército. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 578–85, map.—**Perkov, N.** Frontovoi evakuacionnyi punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 811–5.—**Pilzer.** Ueber Krankenhaltstationen; ihre Aufgaben und zweckentsprechenden Einrichtungen. Wien. klin. Wschr., 1915, 28: 1369–72.—**Poliakov, N. A.** Raspredelitelnye posty medicinskoi sluzhby Krasnoi armii. Voen. med. J., Moskva, 1945, March, 40–3.—**Position** (The) of casualty clearing stations. Brit. M. J., 1915, 2: 834–6.—**Semeka, S.** Medicinskij raspredelitelnyi post. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1002–10.—**Stacy, H. S.** Notes from the No. 2 casualty clearing station. Med. J. Australia, 1916, 2: 175–9.—**Underground** (An) casualty clearing station. Hospitals, 1941, 15: No. 6, 79.—**Work** in a British clearing station. N. York State J. M., 1941, 41: 221.

—— Activities.

See also **Evacuation; Wounded,** Classification.

Berezkin, F. [Basic principles in classification of wounded during evacuation] Voen. san. delo, 1937, No. 6, 32–45.—**Cáceres Gordo, P.** Recogida y evacuación de bajas en los puestos de socorro y clasificación divisionarios. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 492–500, map.—**Fedotov, I.** [Classification of wounded and its significance in field medicine during evacuation] Voen. san. delo, 1937, No. 5, 3–8.—**Olea Herraiz, I.** Recogida y evacuación de bajas y escalones de tratamiento en el Cuerpo de Ejército. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 573–8.—**Ritter, A.** Triage. Vjschr. schweiz. Sanitätsoff., 1945, 22: 8–18.—**Wachsmuth, W.** Erste Sichtung und Verteilung der Verwundeten vom Standpunkte des Chirurgen. Deut. Militärarzt, 1939, 4: 441–6.—**Warren, J. H.** Reception and evacuation; notes on administrative problems arising in a large general hospital (1,500 beds) acting as a casualty clearing station. J. R. Army M. Corps, 1944, 83: 220–4.

—— Surgical service.

See also **Battlefield,** Medical activities; **Division; Hospital,** portable; **Surgical service,** field; **Surgical unit.**

Duran, M. G. Puestos quirúrgicos avanzados. Coimbra méd., 1938, 5: 229–50.—**Fiddes, F. S.** Surgery at a casualty clearing station. J. R. Army M. Corps, 1945, 85: 276–80.—**Hoche & Monod.** L'activité d'un centre chirurgical de première urgence en septembre 1939. Gaz. hôp., 1940, 113: 426 (Abstr.)—**Nursing** service in a C. C. S. in England and Northwest Europe. J. Canad. M. Serv., 1946–47, 4: 147–9.—**Picque, R.** Postes chirurgicaux avancés. Bull. Soc. chir. Paris, 1918, 44: 613–35.—**Quénu.** A propos des postes chirurgicaux avancés. Bull. méd., Par., 1917, 31: 201.—**Rogers, L. S.** Abdominal surgery in forward areas; observations made in a casualty clearing station, 1941–1943. Austral. N. Zealand J. Surg., 1944–45, 14: 37–41.—**Speed, K.** Present status of surgery at casualty clearing stations. J. Am. M. Ass., 1917, 69: 1343–5.—**Uglov, F. G.** Objom i kharakter khirurgicheskoi raboty na DPM. Voen. san. delo. 1941, No. 5, 55–62.

CLIMATOLOGY.

See also **Arctic service; Tropical service;** also **Intelligence.**

United States. Army. Office of the Quartermaster General. Research and Development Branch. Environmental Protection Section, Report. Wash., No. 131, 1948—

Mills, C. A. Some considerations of climatic and weather influences as applied to military medicine. Army M. Bull., 1937, No. 39, 58–71.—**Spassky, V., & Rosanov, P.** Klimat. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1299–311.

CLINICAL psychology.

See **Psychology,** clinical.

CLOSED plaster treatment.

See under **Wound,** Treatment: Dressing.

CLOSTRIDIUM infection.

See **Wound infection,** clostridial.

CLOTHING.

See also **Uniform;** also **Acceleration,** Protection; **Arctic service; Blackout,** suit; **Body armor; Boot; Cap; Decontamination; Ditching suit; Equipment; Gas warfare,** Protective clothing; **Harness; Helmet; Shoe; Tropical service,** Clothing, etc.

Bustíos G., L. Técnica de vestuario y equipo. Rev. mil. Perú, 1944, 41: 129; 195.—**Cazamian.** L'habillement dans la Marine française: composition; logement; lavage du linge. Arch. méd. pharm. nav., 1926, 116: 210–45.—**Fardamento** e equipamento. Rev. méd. Paraná, 1943, 11: 147–55.—**Ferrabouc, L.** Remarques sur la chemise et sur le col du soldat. Bull. Soc. méd. mil. fr., 1935, 29: 319–22.—**Inovay, J.** Inovay, un nouveau bouclier d'infanterie. Arch. méd. belg., 1935, 88: 23–32.—**Musehold, P.** Militärische Bekleidung und Ausrüstung. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, 9: 540–8.—**Schrötter, H.** Ueber einen zweckmässigen Schnitt der Soldatenhose. Militärarzt, Wien, 1915, 49: 499–502.—**Shluger, N., & Shaposhnikov, A.** Forma odezhdy. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 777–86.—**Walther, K.** Bekleidung und Körperreinigung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 341–54.—**Yaglou, C. P.** Subcommittee on Shelter and Clothing. Bull. San. Engin. (NKC) Wash., 1949. 16. meet., 177.

—— Air Force.

Brues, A. M. Size of clothing for female flying personnel. 9 l. 28cm. Dayton, 1944.

Forms No. ENG–49–695–32–T, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Damon, A. Sizing of AAF clothing (jackets and trousers) 10 l. 27cm. Dayton, 1943.

Forms No. ENG–49–695–32–D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hutchinson, J. C. D. Physiological tests on flying clothing for use in the tropics. 19 l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 624, Gr. Britain Flying Pers. Res. Com.

Maison, G. L. Evaluation of anti-G suits. 8 l. 27cm. Dayton, 1944.

Forms No. ENG–49–696–51C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Scherlis, S., & Andrus, E. C. Studies on the influence of pneumatic leggings upon the flow and distribution of blood. 19p. 28cm. Wash., 1943.

Forms. Rep. No. 115, Com. Aviat. M. U. S. Nat. Res. Counc.

[United States] National Research Council. Committee on Aviation Medicine. Subcommittee on Clothing. Minutes. Wash., 1945–

Akerman, J. D. Pressure-applying aviator's suit with helmet. U. S. Patent Off., 1946, No. 2,404,020. ——— Aviator's pressure vest. Ibid., 1949, No. 2,467,364. ——— **Boothby, W. M.** [et al.] Sealed aviator's suit and helmet and means for controlling gas pressure and oxygen delivery therein. Ibid., 1945, 2,390,233.—**Beall, H. W.** Aviator's suit. Ibid., 1943, No. 2,335,475.—**Burns, H. L.** Automatic control system for high altitude pressure suits. Ibid., 1948, No. 2,449,548.—**Colley, R. S.** Partitioned inflatable suit. Ibid., 1946, No. 2,404,567.—**Cotton.** The Cotton pneumodynamic suit. Gr. Britain Flying Pers. Res. Com., 1942, No. 404, 4–6.—**Franks.** The Franks' hydrostatic suit. Ibid., 4.—**Freygang, W. H.** Altitude breathing suit. U. S. Patent Off., 1937, No. 2,096,612.—**Holste, M. R.** Liquid-jacketed aviator's garment. Ibid., 1941, No. 2,228,115; 1942, Re. 22,101.—**Kalmykov, P.** [Suits for aviators] Voen. san. delo, 1935, 24–30. ——— [Warm clothing for the aviation corps] Ibid., 1937, No. 4, 14–19.—**Klanke.** Erfahrungen über die gesundheitlichen Beanspruchungen bei regelmässigen Wetterhöhenflügen (5000 m) und ihre Herabsetzung durch einen Flieger-Ueberdruckanzug. Luftfahrtmed. Abh., 1938, 2: 182–9.—**Krotkov, F.** [Altitude scaphander] Voen. san. delo, 1937, No. 4, 12–14.—**Mejean, J. G.** Connecting device for electrical and pneumatic conduits. U. S. Patent Off., 1942, 2,302,707.—**Pneumatic** pants for fighter pilots. Bull. U. S. Army M. Dep., 1945, No. 84, 17.—**Range, R. W.** Fliegersonderbekleidung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 512–6.—**Sellmeyer, T. J.** Flying suit. U. S. Patent Off., 1945, No. 2,379,497.

—— Army.

United States. War Department. Basic field manual, v. 1: Field service pocketbook, Chap. 3: Equipment and clothing mounted and dismounted organizations. 44p. 19cm. Wash., 1938.

Clothing. In: Prev. Med. in World War II, Wash., 1948, 5: 1; 8: 81–5.—**Cohen, S. A.** Soldier's clothing. Mil. Surgeon, 1939, 84: 138–46.—**Cox, W. C.** Clothing; the Panama Canal Department. In: Prev. Med. in World War II, Wash., 1948, 11: 3–6.—**Ferrabouc.** Le vêtement et l'équipement du soldat. Ann. hyg., Par., 1937, n. s., 15: 387.—**Gordon, J. E.** Clothing and equipment. In: Prev. Med. in World War II, Wash., 1948, 2: pt 10, 8.—**Krotkov, F.** Odezhda voennaia. In: Bolsh. med. encikl., 1932, 22: 125–31.—**Noir, J.** La question vestimentaire pour les soldats en campagne. Concours méd., 1940, 62: 277.—**Osipenko, K., & Saveljev, A.** Veshchevoe dovolstvie voisk. In: Bolsh. med. encikl., 1928, 4: 803–6.—**Roulin, G.** Un costume rationnel pour le soldat. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 250–5.—**Sanzio, C.** Ponderações sobre o peso do equipamento do infante. Rev. med. mil., Rio, 1937, 26: 153–8.—**Van Auken, H. A.** Clothing. In: Prev. Med. in World War II, Wash., 1948, 4: pt 2, 57, pl.—**Weed, F. W.** Equipment and clothing; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 608–61.

—— Environmental aspect.

See also **Exposure suit.**

Baum, W. A. The climate of the soldier; vertical temperature distribution surrounding the soldier. 69p. 26½cm. Wash., 1949.

Forms Pt 3, No. 124, Envir. Protect. Ser. Rep. (U. S. Quartermast. Gen.)

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] [Project No. 1: Cold weather operations] Sub-Project Nos. 1–1, 1–4, 1–5, 1–6: Partial report on the adequacy of armored force winter clothing. v. p. 28cm. Fort Knox, 1943.

Adaptations of man which influence clothing requirements in cold weather. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 121.—**Cowan, C. R., & Grant, R.** Investigation on cold weather clothing, tropical clothing and life saving equipment. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 27–37.—**Kalmykov, P. E.** Racionalizaciia teploi odezhdy boicov. Voen. san. delo, 1941, No. 2, 76–80.—**Ranke.** Clothing problems. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 248.—**Ropa** (La) del soldado según las regiónes. In: Plan analít. salud púb. (Argentina Secr. salud púb.) B. Air., 1947, 3: 1462.—**Winter** tests. Bull. U. S. Army M. Dep., 1946, 6: 494–7.

—— Fabric.

Fauley, G. B., & Hyslop, F. The flash-resistant properties of fabrics proposed for flight clothing. 5 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–372, U. S. Nav. M. Res. Inst.

Fourt, L. Infra-red reflecting fabrics as radiation barriers in clothing. 24p. 28cm. Wash., 1943.

Forms Rep. No. 142, Com. Aviat. M. U. S. Nat. Res. Counc.

Gerking, S. D., & Robinson, S. Physiological comparisons of water repellent and water absorbent clothing. 6p. 28cm. Wash., 1945.

Forms Rep. No. 432, Com. Aviat. M. U. S. Nat. Res. Counc.

Kanzow, R. R. *Untersuchung von Militärtuchröcken mit und ohne Zellwollbeimengung auf ihr Wärmehaltungsvermögen im Tragversuch [Kiel] 32p. 23cm. Eisfeld i. Thür., 1937.

Cerbulescu, C. Tibrele textile de care are nevoe armata. Rev. san. mil., Bucur., 1936, 35: 1031.—**Kanzow, R.** Untersuchung von Militärtuchröcken mit und ohne Zellwollbeimengung auf ihr Wärmehaltungsvermögen im Tragversuch. Arch. Hyg., Münch., 1938, 120: 364.—**Kolesnikov, J. V.** [Properties and hygienic evaluation of the fabric of the Red Navy uniforms] Tr. Voen. morsk. med. akad., 1941, 1: 191–237.—**Krotkov, F. G., & Spassky, V. A.** [Hygienic characteristics of material for army uniforms] Tr. Acad. mil. méd. Kiroff, 1934, 1: 338–46.—**Liebersohn, Z. L.** [Determination of air permeability of the fabrics and clothing] Tr. Voen. morsk. med. akad., 1941, 1: 238–44.

—— flameproof.

Black, A. P., & Trumper, M. Findings regarding saniflamed herringbone twill in respect to flameproofness, reaction to dry-cleaning solvents, skin toxicity [4] l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–180, U. S. Nav. M. Res. Inst.

Hagan, E. T. Suits-protective, fire fighting. 26p. 27cm. Dayton, 1949.

Forms No. MCREXD–666–1L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. 27: Report on Project No. 27: Test of compounds, fire resisting, for field treatment of clothing, OQMG–253. v. p. 28cm. Fort Knox, 1944.

—— heated.

Hall, J. F. Tests on the thermo-stable electrically heated flying suit, two-piece production model. 8 l. 28cm. Dayton, 1943.

Forms No. ENG–49–695–2–D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Shaub, H. G., Hall, J. F., jr, & Fetcher, E. S., jr. Extremity protection at low temperatures with electrically heated clothing and heat distribution in electrically heated clothing. 14p. 26½cm. Dayton, 1948.

Forms No. MCREXD–696–105J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Taylor, C. L. Cold-protective tests of electrically heated clothing. 14p. 28cm. Wash., 1944.

Forms Rep. No. 354, Com. Aviat. M. U. S. Nat. Res. Counc.

F–2 and F–3 electrically heated flying suits. Air Surgeon's Bull., 1944, 1: No. 5, 17.—**Kornev, A. A., & Trofimuk, N. A.** [Electrically heated clothing for high altitudes] Voen. san. delo, 1936, 86–93.

—— Hygiene.

Fourt, L., & Harris, M. The effect of clothing on evaporation [1] l. 28cm. Wash., 1945.

Forms Rep. No. 434, Com. Aviat. M. U. S. Nat. Res. Counc.

Robinson, S., & Gerking, S. D. The effects of army clothing on the heat tolerance of working men. 5p. 28cm. Wash., 1945.

Forms Rep. No. 433, Com. Aviat. M. U. S. Nat. Res. Counc.

—— & Turrell, E. S. The effects of air movement and air permeability of clothing on working men [17]p. 28cm. Wash., 1945.

Forms Rep. No. 415, Com. Aviat. M. U. S. Nat. Res. Counc.

Hellebrandt, F. A., Fries, E. C., & Larsen, E. M. The influence of the regulation army pack on body alignment and postural stability. Fed. Proc., Balt., 1942, 1: pt 2, 39 (Abstr.)—**Sampaio, M.** Higiene do fardamento e equipamento. Rev. med. cir. Brasil, 1942, 50: 407–23.—**Shelton, J. M., & Bush, F. W.** Contact dermatitis from black cotton socks. U. S. Nav. M. Bull., 1943, 41: 1408–10.

—— impregnated.

Dumke, P. R., & Whittenberger, J. L. Effect of CC–2 impregnated permeable protective clothing on body temperatures of troops during tactical problems at Camp Blanding, Florida. 14p. 27cm. Edgewood Arsenal, 1946.

Forms Rep. No. 47, Med. Div. Chem. Warfare Serv. U. S. Army.

—— & Himmelfarb, S. The effect of one layer and of two layers of permeable protective impregnated clothing on the ability of soldiers to perform exhaustive work under simulated tropical conditions while wearing the combat gas mask. 11p. 27cm. Edgewood Arsenal, 1944.

Forms Rep. No. 10, Med. Div. Chem. Warfare Serv. U. S. Army.

Fiedler, J. G. Stable emulsion of dimethyl phthalate for impregnation of clothing; methods of application. 9 l. 27½cm. Camp Lejeune, 1945.

Forms Rep. No. 2, Res. Proj. X–505, U. S. Nav. M. Field Res. Laborat.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. T–11, Final report on Project No. T–11; test of heat load imposed by clothing treated to

repel insects and arachnids. v. p. 28cm. Fort Knox, 1945.

Bushland, R. C. New Guinea field tests of uniforms impregnated with laundry-resistant miticides. J. Mil. M. Pacific, 1945, **1**: No. 4, 64–6.—**Cole, M. M., & Pratt, S. R.** Clothing treatments. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 10.—**Impregnation** of clothing for protection against tsutsugamushi disease (scrub typhus) (Form letter) Bumed News Lett., Wash., 1944, **4**: No. 10, 27–9.—**Smith, C. N., Cole, M. M., & Pratt, S. R.** Clothing treatments. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 10–2.—**Smith, C. N., & Fye, R.** Clothing treatments. Ibid., 9.

—— Maintenance.

See also **Decontamination; Disinfection; Laundry.**

Hayasi, S. A survey on the cleaning of clothes on war-ships. Bull. Nav. M. Ass., Tokyo, 1939, **28**: 66.—**Kessler, J.** Kleiderdesinfektion und -Entgiftung im Felde. Schweiz. med. Wschr., 1941, **71**: 1396.—**Specifications** for oven for drying clothes. Bull. U. S. Army M. Dep., 1943, No. 69, 29–31.

—— protective.

See also **Exposure suit.**

Taylor, C. L. Studies of the adequacy of cold-protective flying clothing. 16p. 28cm. Wash., 1944.

Forms Rep. No. 339, Com. Aviat. M. U. S. Nat. Res. Counc

—— Studies of the adequacy of cold-protective flying clothing. 19 l. 28cm. Dayton, 1944.

Forms No. ENG–49–695–2–U, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Testing of cold-protective clothing for aircraft personnel. 19 l. 27cm. Dayton, 1944.

Forms No. ENG–49–695–2F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Brandenburg, K. Schutz des Soldaten im Kriegsdienst. Med. Klin., Berl., 1940, **36**: 1213.—**Clothing,** protective. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 95.—**Doriot, G. F.** Environmental protection. Proc. Am. Philos. Soc., 1944–45, **88**: 196–203.—**Protective** clothing. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 4, 13–5.—**Robinson, S., & Belding, H. S.** Protective clothing. In: Advance. Mil. Med., Bost., 1948, **2**: 497–519.—**Walker, K. M.** The protection of the soldier in warfare. Proc. R. Soc. M., Lond., 1939–40, **33**: Sect. Surg., 607–14. Also Lancet, Lond., 1940, **2**: 41.

—— special.

Karpovich, P. V. The effect produced on the scores of the AAF Physical Fitness Test by the wearing of the fatigue uniform [5] l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 179, U. S. Air Force School Aviat. M.

Chute. What particular clothing has been developed for tank crews? Univ. Toronto M. J., 1942–43, **20**: 295.—**Krotkov, F., & Shonin, D.** [Hygienic uniforms for the ski division in the Red army] Voen. sanitdelo, 1936, 23–31.—**Military** bush jacket for summer wear in India [illust.] In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, opp. p. 58.

—— Supply.

Campbell, R. D. Preparation of clothing almanacs. 17p. 26½cm. Wash., 1949.

Forms No. 144, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Fuciños, J. El abastecimiento. Ejército, Madr., 1942, No. 27, 7–12.

—— Test.

Kark, R. M. Winter test trials, Canada & Newfoundland. 2p. 28cm. [Ottawa? 1944?]

Forms No. C–6079, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Newburgh, L. H., & Harris, M. Clothing test methods. 98p. 27½cm. Wash., 1945.

Forms No. 390, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. 1: Cold weather operations. Report on Sub-Project No. 1–1: Test of the adequacy and range of use of winter clothing. v. p. 28cm. Fort Knox, 1944.

Together with Sub-Project No. 1–18, Study of the methods for selection of men for cold weather operations.

—— ventilated.

Marbarger, J. P. Air ventilated clothing. 49p. 27cm. Dayton, 1945.

Forms No. TSEAA–695–2FF, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. T–2: Final report on Project No. T–2, test of heat load imposed by protective clothing; ventilation requirements of a ventilated suit. v. p. 28cm. Fort Knox, 1945.

COAST Guard.

See also **Hospital report,** United States: Coast Guard; **School.**

Gukov, A. P. [Medical-sanitary service for the railway artillery in defensive sea areas] Tr. Voen. morsk. med. akad., 1941, **1**: 110–8.—**Jobs** in the Coast Guard. Occupations, 1942–43, **21**: 59–63.—**LeBlanc, T.** Coast Guard medical service. Hosp. Corps Q., 1945, **18**: No. 9, 69–81.—**Loewus, J. S.** Chemical warfare training in the Coast Guard. Chem. Warf. Bull., 1941, **27**: 158–60.—**Poliakoff, H.** Mild rheumatic reaction in Coast Guard recruits. Am. J. M. Sc., 1947, **213**: 37–9.—**Spars;** Women's Reserve of the U. S. Coast Guard Reserve. Occupations, 1942–43, **21**: 539–41.—**Stanulonis, S. W.** The United States Coast Guard. Contact, Pensacola, 1944–45, **4**: 334–44.—**Stratton, D. C., & Springer, D. C.** Problems of procurement, training, and morale among members of the Women's Reserve of the United States Coast Guard Reserve. J. Consult. Psychol., 1943, **7**: 274–9.

COAST Guard Academy.

See under **School.**

COCKPIT.

See **Aircraft** subheadings (Cockpit; Control)

CODLIVER oil ointment.

See in this section, **Burns,** Treatment: Local remedies.

COLD clothing.

See in this section, **Arctic service,** Clothing; also subheadings of **Clothing.**

COLD environment.

See also **Arctic service; Winter warfare.**

Miller, A. J. Physiological and biochemical evaluation of long term acclimitization to a cold environment. 3pts. 27cm. Ladd Air Force Base, 1948.

Forms Sect. 1–3, Proj. 1, U. S. Air Force Arct. Aeromed. Laborat.

Pecora, J. S. Physiological and biochemical evaluation of long term acclimatization to a cold environment; cold pressor test in the study of acclimatization to cold. 22 l. 27cm. Ladd Air Force Base, 1948.

Forms Sect. 8, Proj. 1, U. S. Air Force Arct. Aeromed. Laborat.

—— Physiological and biochemical evaluation of long term acclimatization to a cold environment; basal metabolic rate studies in relationship to cold acclimatization. 7 l. 27cm. Ladd Air Force Base, Alaska, 1948.

Forms Sect. 9, Proj. 1, U. S. Air Force Arct. Aeromed. Laborat.

Sacks, J. G., & Sweel, A. A preliminary study of psychological and psychiatric observations of military personnel under natural conditions of severe cold, wind and isolation; Fort Churchill Experiment, 1947–1948. 77p. 27cm. Wash., 1948.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. 20: Report on studies of cold weather. Sub-Project No. 20–4: Immobilized air (OQMG test number 57–IV) v. p. 28cm. Fort Knox, 1944.

Bogucki, L. Frigorymetr Dorno—jego zastosowanie i znaczenie. Lek. wojsk., 1933, **21**: 289; passim.—**Influence** of diet on resistance to cold. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 23, 31.—**Rascher, S.** Memorandum for behavior of troops in great cold. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 29–31.—**Rodrigues Pepe, R.** O frio. Rev. mil. med. vet., Rio, 1939, **2**: 1507–15.

—— Diseases.

See **Cold exposure; Cold injury; Epidemic,** Types: Common cold.

—— Protection.

See various subheadings of **Arctic service.**

COLD exposure.

See also **Arctic service,** Physiology; **Cold environment; Cold injury.**

Armstrong, H. G. The loss of tactical efficiency of flying personnel in open cockpit aircraft due to cold temperatures. Mil. Surg., 1936, **79**: 133–40.—**Breitner & Loos.** Effect of cold. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 246.—**Circulatory** changes from general hypothermia and local cooling of body parts. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 11.—**Effects** of hypothermia on vitamin A and carotene levels in blood and liver. Ibid., App. C, 6.—**Gray, G. W.** Below-zero effects. In his Science at War, 3. ed., N. Y., 1943, 239.—**Holzlöhner, E., Rascher, S., & Finke, E.** [Blood, spinal fluid and urine during the chilling experiments] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 53. ——— [The clinical picture resulting from intense chilling] Ibid., 49–53. ——— [Post-rescue collapse] Ibid., 57. ——— [Effects of pharmacological agents and especially with alcohol] Ibid., 60.—**Katz.** Effects of warming and cooling on body temperature and circulation. Res. Program U. S. Army Med. Res. Bd, 1947, July, 111; 1948, Jan., 187.—**Lutz, W., & Werz, R. v.** Kältetod und Sauerstoffmangel. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 143–51.—**McConnell, K. P., & Tobin, L. H.** Effects of hypothermia on vitamin A and fat metabolism in the rat. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 1, No. 2, 1; Proj. 4, No. 2, 1; 1948, App. C, Proj. 1, No. 3, 1.—**Miller, M. R., & Miller, A. J.** Physiological effects of brief periods of exposure to low temperatures. J. Aviat. M., 1949, **20**: 179–85.—**Physiological** effects of exposure to cold. BIOS Final Rep., Lond., 1947, Item 24, No. 566, 12–5.—**Werz, R. v., & Seelkopf, K.** Alkohol und Auskühlung. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 118–42.

—— experimental.

See also **Cold injury,** experimental.

Holzlöhner, E., Rascher, S., & Finke, E. Bericht über Abkühlungsversuche am Menschen. 54p. 25cm. Münch., 1942.

Photostat copy in CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 164–207.

Alexander, L. [Organization of those experiments on shock from exposure to cold in human beings] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 65–8.—**Holzlöhner, E., Rascher, S., & Finke, E.** Bericht über Abkühlungsversuche am Menschen. Ibid., 47–68. ——— [Resuscitation from shock produced by exposure to cold temperatures] Ibid., 54–6. ——— Summary of Bericht über Abkühlungsversuche am Menschen. Ibid., 62–4.—**Lutz, W.** Reports of investigation on effects of reduced body temperatures. Ibid., No. XXVI–56, 68. ——— Auskühlung. Ibid., No. XXIX–21, 55.—**Mitscherlich, A., & Mielke, F.** Versuche über langandauernde Unterkühlung. In: Diktat d. Menschenveracht. (Mitscherlich, A.) Heidelb., 1947, 37–51.

—— Immersion in water.

See also **Cold injury; Shipwreck.**

Alexander, L. The treatment of shock from prolonged exposure to cold, especially in water. 228p. 24½cm. Lond., 1945.

Forms File No. XXVI–37, Item No. 24, CIOS Rep., Lond.

King, B. G., & Singer, R. B. Report of air-sea rescue technics and equipment tests on Operation Frostbite including medical findings on survivors after immersion in cold ocean water. 35p. 26½cm. Bethesda, 1946.

Forms Rep. No. 16, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Newburgh, L. H., & Spealman, C. R. Physiological responses to immersion in cold water. 9p. 28cm. Wash., 1943.

Forms Rep. No. 164, Com. Aviat. M. U. S. Nat. Res. Counc.

Pace, N., & Smith, R. E. The influence of room temperature on recovery of hand skin temperature following immersion of the hand in cold water. 8p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–341, U. S. Nav. M. Res. Inst.

Spealman, C. R. Blood flow through the extremities at low temperatures and its possible relation to immersion foot. 8p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–297, U. S. Nav. M. Res. Inst.

—— The relationship between foot temperature and amount of insulation surrounding the foot immersed in cold water. 13p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X–297, U. S. Nav. M. Res. Inst.

—— Early changes occurring in feet exposed to cold water and evaluation of insulation as a means of protection. 19p. 27cm. Bethesda, Md, 1944.

Forms Rep. No. 3, Res. Proj. X–297, U. S. Nav. M. Res. Inst.

—— Body cooling of men and animals immersed in water. 11p. 26½cm. Bethesda, Md, 1945.

Forms Rep. No. 3, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Talso, P. J., Crosley, A. P., jr, & Clarke, R. W. Effects of the cold pressor test on glomerular filtration and effective renal plasma flow. 6 l. 29cm. Fort Knox, 1947.

Forms Proj. No. 55–5, U. S. Army M. Dep. Field Res. Laborat.

Body cooling of men and animals immersed in water. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 11.—**Effect** (The) of body warmth and foot exercise on the temperature of feet immersed in ice water. Ibid., 1944, July, 27.—**Effectiveness** (The) of partial immersion and periodic immersion in water for cooling men in hot spaces. Ibid., 1945, July–Dec., 35.—**Holzlöhner, E., Rascher, S., & Finke, E.** [The effects of immersion in water at temperatures varying from 2.3° C–12° C] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 48. ——— [Problem of death produced by cooling in water] Ibid., 56–60.—**Influence** (The) of room temperature on recovery of hand skin temperature following immersion of the hand in cold water. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 28.—**Kelsey, M. P.** Acute exposure of flyers to arctic waters. Air Surgeon's Bull., 1944, 1: No. 2, 7–10.—**Patterson, R. H.** Effect of prolonged wet and cold on the extremities. Bull. U. S. Army M. Dep., 1944, No. 75, 62–70.—**Rascher, S.** [The experiments on intense chilling in water] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 22.—**Weltz, G. A., & Relter, R.** Tierversuche über Auskühlung und Erwärmung in Wasser, Seenotfall. Ibid., 69–117.

—— Physiopathology.

Effect (The) of low temperature on the rate of absorption of drugs injected subcutaneously. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 10.—**Jensen, H. F., & Cagan, R. N.** Study of the effects of subnormal temperatures on the metabolism of various phosphorous compounds in rats. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 4, No. 3, 1.—**Jensen, H. F., & Steeples, G. L.** Study of the effects of hypothermia on the control of endocrine secretion. Ibid., No. 4, 1; 1948, App. C, Proj. 1, No. 5, 1.—**Kossmann, C. E.** Responses of the body to cold. Air Surgeon's Bull., 1944, 1: No. 3, 1–4.—**Schachner, H., & Gierlach, Z. S.** A study of thyroid function at low environmental temperatures with the aid of radioactive iodine. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 1, No. 6, 1.

—— Protection and prevention.

Newburgh, L. H., & Spealman, C. R. Protective value of water-tight suits for personnel immersed in cold water or exposed to cold wind on rafts. 7p. 28cm. Wash., 1943.

Forms Rep. No. 175, Com. Aviat. M. U. S. Nat. Res. Counc.

—— Protective clothing for subjects immersed in cold water. 9 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Spealman, C. R., & Catchpole, H. R. Report on captured enemy equipment; CEE No. 6766, German flyer's immersion suit (Seenotkleidung) 4p. 26½cm. Bethesda, 1945.

Forms Rep. No. 5, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Body cooling in water and effectiveness of petrolatum in retarding heat loss. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 12.—**Holzloehner.** Prevention and therapy of cooling effect. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 57.—**Spealman, C. R.** Protection of feet immersed in cold water. U. S. Nav. M. Bull., 1946, **46:** 169–78.

—— Rewarming and recovery.

Ames, A., III, Goldthwait, D. A. [et al.] An evaluation of methods of rewarming men; including a brief investigation of the effects of glucose alcohol and successive exposures on the reactions of men to cold. 40 l. 29½cm. Wash., 1948.

Forms No. 134, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Lutz, W. [The rewarming death] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 7. ——— Recovery from lowered body temperature. Ibid., No. XXVI–56, 64–6.—**Rascher, S.** Versuche zur Erwärmung unterkühlter Menschen durch animalische Wärme. Ibid., No. XXVI–37, 223–8.—**Weltz, G. A.** Ueber Auskühlung und Wiedererwärmung bei Seenot. Ibid., 152–9.

COLD injury.

See also **Injury**; also **Arctic service**; **Winter warfare.**

Brandis, H. J. v. Allgemeine und örtliche Kälteschäden im Kriege. 40p. 25cm. Stuttg., 1943.

Forms H. 27, Vortr. prakt. Chir.

—— [The same] General and local cold injury in war. 38 l. 26½cm. Heidelb., 1946.

Forms No. 1, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Tabanelli, M. Congelamenti di guerra. 92p. 23½cm. Bologna, 1946.

Also Arch. ital. chir., 1946, **68:** 111–95.

Arjev, T. Zamerzanie; simptomokompleks, opredeliaemyi padeniem temperatury. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 751–3. ——— Oznoblenie (pernio, perniones) Ibid., **3:** 1472–4. ——— Otmorozhenie (congelatio) Ibid., **4:** 192–201, 3 pl. ——— & **Gamov, V. S.** Otmorozheniia. In: Opyt sovet. med. Velik. otech. voine, Moskva, 1951, **1:** 191–331, 19 pl.—**B., R. B.** Injuries due to cold. Bumed News Lett., Wash., 1943, **2:** No. 6, 10–2.—**Calcagni, A.** Il problema dei congelamenti visto da un medico militare. Atti Accad. med. lombarda, 1942, **31:** 204–6.—**Caputo, B.** Sui congelati di guerra. Med. contemp., Tor., 1941, **7:** 428–30.—**Frey, S.** Die örtlichen Erfrierungen im Kriege. Med. Klin., Berl., 1942, **38:** 1009; 1036; 1067. Also Bull. War M., Lond., 1942–43, **3:** 543 (Abstr.)—**Frostbite.** Bull. U. S. Army M. Dep., 1943, No. 71, 24–7.—**Greene, R.** Frostbite and kindred ills. Lancet, Lond., 1941, **2:** 689–93.—**Hamilton, J.** Frost-bite. J. R. Nav. M. Serv., 1943, **29:** 225–8.—**Jenrich.** [A contribution to the subject of frostbite] Bull. War M., Lond., 1942–43, **3:** 544 (Abstr.)—**Kilian & Siegmund.** Injuries due to cold. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 163–88.—**Korhonen, A.** [Frost bite during warfare] Duodecim, Helsinki, 1940, **56:** 128–35. Also Nord. med., 1941, **9:** 516–8.—**Kupriianov, P. A.** Otmorozheniia. In: Kratky kurs voen. polev, khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 212–8.—**Lippay-Almássy, A.** [Frostbite on the battle field] Orv. hetil., 1941, **85:** mell., 24.—**Martins Pereira, H. A.** A influência do frio sôbre a saúde do soldado combatente. Rev. méd. brasil., 1947, **23:** 345–51. Also Resenha méd., Rio, 1948, **15:** 5–9.—**Matras, A.** Die Erfrierung. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 139–47.—**Mendonça Castro.** O frio, flagello das guerrás. Impr. med., Rio, 1939, **15:** 1681.—**Moser, H.** Ueber Erfrierungen. Bull. War M., Lond., 1942–43, **3:** 255 (Abstr.)—**Pitkin, K. I.** Materialy ob otmorozheniiakh. Voen. san. delo, 1941, No. 2, 26–31.—**Riunione** medica sulla questione dei congelamenti; Ospedale Militare di Torino, 30 Settembre 1940–XVIII. Minerva med., Tor., 1940, **31:** pt 2, 561–89.—**Sauerbruch, F.** Erfrierungen. Deut. Militärarzt, 1942, **7:** 477–9. Also Bull. War M., Lond., 1942–43, **3:** 428 (Abstr.)—**Sharpe, W. C.** Trench frost-bite. Lancet, Lond., 1915, **2:** 674.—**Sheinis V, N.** [Frost-bite] Feldsher, Moskva, 1944, 14–20.—**Spitzmüller, W.** Erfrierungen. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1:** 238–54.—**Strandell, G.** Injuries due to cold. Bull. War M., Lond., 1941–42, **2:** 164 (Abstr.)—**Stucke, K.** Kälteschäden und Erfrierungen im Felde. Beitr. klin. Chir., 1942, **174:** 1–10.—**Teneff, S.** Le lesioni da freddo in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 538–45, illust.—**Trench** frost-bite. Brit. M. J., 1915, **2:** 933. Also J. Am. M. Ass., 1916, **66:** 512.—**Traube, V.** Erfrierungen. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 60–9.—**Wachsmuth, W.** Kälteschäden. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 215–20.—**Wright, I. S., & Allen, E. V.** Frostbite, immersion foot, and allied conditions. Army M. Bull., 1943, No. 65, 136–50.

—— Clinical aspect.

See also in this section under names of various wars and campaigns, e. g. **World War II.**

Bazil, A. Sur un cas de froidure à type d'érythème polymorphe. Rev. méd. nav., Par., 1948, **3:** 307–9.—**Beltramini, A.** Clinica e terapia dei congelamenti di guerra. Settimana med., 1948, **36:** 308–21.—**Bugliari & Canavero.** Neuroartikuläre Erscheinungen nach Erfrierung. Schweiz. med. Wschr., 1942, **72:** 26 (Abstr.)—**Girgolav, S. S.** Klinika otmorozhenii voennogo vremeni. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 248–54.—**Giuntini, L.** Rilievi clinici sui congelati di guerra. Atti Accad. fisiocr. Siena, 1941, **9:** 168–70.—**Goldman, L. G., & Lubo, V. K.** Klinika, lechenie i profilaktika otmorozhenii. Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 202–5.—**Jofe, M. S.** Klinika i effektivnost lecheniia otmorozheniia. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 417–27, illust.—**Loos, H. O.** Zur Klinik und Therapie örtlicher Erfrierungen. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 131 (Abstr.)—**Parzani, C.** Contributo alla nosologia dei congelamenti; osservazioni cliniche di guerra. Atti Ist. venet. sc., 1940–41, **100:** pt 2, 109–16.—**Silverman, J. J.** Frostbite; a subjective case history in a German soldier. Mil. Surgeon, 1948, **103:** 216–9.—**Smith, J. L., Ritchie, J., & Dawson, J.** Clinical and experimental observations on the pathology of trench frostbite. J. Path. Bact., Cambr., 1915–16, **20:** 159–90, 4 pl.

—— Complications and sequelae.

See also **Wound infection.**

Pichotka, J., & Lewis, R. B. The prevention of secondary infection due to Pseudomonas aeruginosa in frostbitten tissue. 3p. 26cm. Randolph Field, 1949.

Forms Rep. No. 2, Proj. No. 21–02–079, U. S. Air Force School Aviat. M.

Gamov, V. S. Otmorozheniia; oslozhneniia. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1951, **1:** 260–80, 2 pl.—**Glagolev, A. P.** Stolbniak posle otmorozhenii i ozhogov. Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 205–26.—**Grujić, M.** Liječenje angiospastičnih edema šake iza smrzavanja intraarterljalnom primjenom novokaina. Voj. san. pregl., Beogr., 1948, **5:** 247.—**Masztak, R.** Współczesne poglady na oziębienie odmrożenie. Lek. wojsk., 1949, **25:** 181–95.—**Oehlecker, F.** Die Sudecksche Krankheit, insbesondere nach Erfrierungen. Bull. War M., Lond., 1942–43, **3:** 312 (Abstr.)

—— Diagnosis.

Arjev, T. J., & Rokhlin, D. G. Otmorozheniia; diagnostika. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1951, **1:** 241–51.—**Kibel, I. B.** Rentgenologicheskie dannye pri otmorozheniiakh. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 441–6, illust.

—— Disability.

Gohrbandt. Wiedereinsatz Frostgeschädigter. Ber. Arbeitstag. Ost. berat. Fachärzte, 1943, **3.** Congr., 53–5. Also Conf. Med. Consultants to Wehrmacht, 3. Cong. (1943) 1948, Proj. 1, pt 5, 57–9.—**Hofmann, E.** Ueber den Einsatz Frostgeschädigter. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, **3.** Congr., 66. Also Conf. Med. Consultants to Wehrmacht, 3. Cong. (1943) 1948, Proj. 1, pt 5, 71.—**Sunder-Plassmann, P.** Durchblutungsschaden, Wehrdienstbeschädigung und Unfall. Münch. med. Wschr., 1944, **91:** 453–6.

—— experimental.

See also **Cold exposure,** experimental.

Lewis, R. B., & Miller, M. R. The effect of pressure wrapping of frozen rabbit ears on the subsequent development of edema and degree and rate of recovery. 4p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 489, U. S. Air Force School Aviat. M.

MILLER, M. R. The effect of vasodilators and vasoconstrictors on the vascular changes in the rabbits's ear, rapidity of body cooling and the rapidity of freezing of the ear during exposure of an ear to cold. 4p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 490, U. S. Air Force School Aviat. M.

—— The scquence of vascular events and temperature changes occurring in rabbits when an ear is exposed to a cold atmosphere. 3p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 491, U. S. Air Force School Aviat. M.

Miller, M. R. The effect of pressure wrapping of frozen rabbit ears on the subsequent development of edema and degree and rate of recovery. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 30. ——— The effect of vasodilators and vasoconstrictors on the freezing of the ear of a rabbit exposed to extreme cold. Ibid., June, 22.—**Pichotka, J., & Lewis, R. B.** A study of the physical and physiological conditions in animals due to experimental cold injury. Ibid., 1949, Jan., 19.

—— Immersion foot and trench foot.

BURCH, G. E., MYERS, H. L. [et al.] Objective studies of some physiologic responses in mild chronic trench foot; abstract. 3p. 28cm. [Wash.?] 1945.

Forms No. 65, Infect. Wounds Burns, Com. M. Res. U. S. Off. Sc. Res. Develop.

GUÉNON DES MESNARDS, G. M. *Contribution à l'étude et au traitement des pieds gelés. 64p. 24cm. Par., 1941.

UNGLEY, C. C. The immersion foot syndrome. p. 269–336. 23½cm. N. Y., 1949.

In: Advance. Surg., 1949, 1: 269–336.

UNITED STATES. WAR DEPARTMENT. Trench foot. 6p. 26cm. Wash., 1944.

Forms TB MED 81, Techn. Bull. War Dep. U. S.

Abramson, D. I., Lerner, D. [et al.] Clinical picture and treatment of the later stage of trench foot. Am. Heart J., 1946, **32**: 52–71.—**Abramson, D. I., & Schumacher, H. B., jr.** Sequelae of trench foot and their treatment by lumbar sympathectomy. Proc. Centr. Soc. Clin. Res., 1945, **18**: 24. Also J. Lab. Clin. M., 1946, **31**: 479.—**Aird, I.** Immersion foot, trench foot, shelter foot, bridge foot. In his Compan. Surg. Stud., Edinb., 1949, 114.—**Alves Bastos, V.** Pé de trincheira. Rev. med. mil., Rio, 1947, **36**: 277–80.—**Arjev, T. J.** O bystrom i medlennom sogrevanii otmorozhennykh konechnostei. Tr. Vseoiuz. sezda khir. (1938) 1939, **24**: meet., 199–202.—**Barsky, A. V.** [Treatment of the neuritic form of trench foot] Khirurgia, Moskva, 1944, No. 4, 69.—**Bates, R. R.** Surgical aspects of trench foot. Surg. Gyn. Obst., 1946, **83**: 243–8.—**Baumann, J.** Pied d'immersion; syndrome de White. Presse méd., 1945, **53**: 27.—**Berson, R. C., & Angelucci, R. J.** Trench foot. Bull. U. S. Army M. Dep., 1944, No. 77, 91–9. Also Med. Bull. North Afr. Theater of Oper. U. S., 1944, 1: 22–7.—**Blackman, J. G.** Trench foot. Brit. M. J., 1916, 1: 818.—**Blackwood, W., & Russell, H.** Further experiments in the study of immersion foot. Edinburgh M. J., 1945, **52**: 160–5, 2 pl.—**Block, M.** Histologic aspects of the skin in the late stages of trench foot. Arch. Path., Chic., 1947, **44**: 360–71. ——— Genesis of the gangrenous and reparative processes in trench foot. Ibid., 1948, **46**: 1–34.—**Boland, F. K., jr, Claiborne, T. S., & Parker, F. P.** Trench foot. Surgery, 1945, **17**: 564–71.—**Bunker, M. L.** Experiments on the determination of skin temperature in cases of immersion foot in experimental animals. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 133.—**Castex, A.** Les gelures aux pieds dans les tranchées. Bull. Acad. méd., Par., 1915, 3. ser., **73**: 250.—**Cavina, G.** Intorno alle congelazioni dei piedi in patologia di guerra. Minerva med., Tor., 1942, **33**: 121–5, illust.—**Cohen, S., Linn, L., & Zimmerman, J.** The role of hyperhydrosis in trench foot. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 32, 27–9.—**Cooper, G.** Note on the treatment of trench feet. J. R. Army M. Corps, 1917, **28**: 495.—**Cottet, J.** Trench foot (etiology; pathology; symptomatology) War M., Par., 1918, 2: 707–11.—**Crismon, J. M.** Frostbite and trench foot. In: Advance. Mil. Med., Bost., 1948, 1: 176–81.—**Darier, J., & Civatte, A.** Les prétendus "pieds gelés" ou les froidures des tranchées. Bull. Soc. med. hôp., Paris, 1915, 3. ser., **39**: 79–87.—**Dry, T. J.** Experiences with late trench foot and frost-bite. Nebraska M. J., 1946, **31**: 443–6.—**Ducuing, J., Harcourt, J.** d' [et al.] Les troubles trophiques des extrémitiés produits par le froid sec en pathologie de guerre. J. chir., Par., 1940, **55**: 385–402.—**Edwards, J. C., Shapiro, M. A., & Ruffin, J. B.** Trench foot; report of 351 cases. Bull. U. S. Army M. Dep., 1944, No. 83, 58–66.—**Elliott, G. A.** Foot conditions due to cold and wet. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 86–92.—**Externally** applied negative thoracic pressure in treatment of trench foot. Gen. M. Interest Lett., Ottawa, 1945, No. 14, 10.—**Fossey, A. M. de, & Merle, P.** Le pied des tranchées. Bull. Soc. med. hôp., Paris, 1915, 3. ser., **39**: 101–10.—**Friedman, N. B.** The pathology of trench foot. Am. J. Path. 1945, **21**: 387–433, incl. 10 pl. ——— **Lange, K., & Weiner, D.** Pathology of experimental immersion foot. Arch. Path., Chic., 1950, **49**: 21–6, illust.—**Frost-bite** or trench-foot. Lancet, Lond., 1915, 1: 812.—**German** (A) view of trench leg. Med. Rec., N. Y., 1917, **92**: 547.—**Gordon, J. E.** Trench foot. In: Prev. Med. in World War II, Wash., 1948, 2: pt 10, 20. ——— Trench foot in the armies. Ibid., 23.—**Greene, R.** Trench-foot. In: Interallied Conf. War Med. (1942–45) 1947, 140–3.—**Immersion** foot. J. Canad. M. Serv., 1945–46, **3**: 340–2.—**Krause, L. A. M., Wallace, J. J., & Silverman, J. J.** The incidence of palpable pulsations in convalescent trench foot; an analysis of 500 patients at an Army general hospital. Am. J. M. Sc., 1946, **211**: 729–32.—**Kreyberg, L.** Trench-foot. In: Interallied Conf. War Med. (1942–45) 1947, 139.—**Krontiris, A.** Experiences with sympathectomy for sequelae of trench feet. Ann. Surg., 1947, **125**: 505–7.—**Kukin, N. N.** [The treatment of frostbite of the limbs by means of novocain block and the oil-balsam bandage] Bull. War M., Lond., 1943–44, 4: 74 (Abstr.)—**L., P.** Le pied de tranchée. Gaz. hôp., 1940, **113**: 84.—**Lacroix, P.** Gelures des pieds et pieds de tranchées. Concours méd., 1940, **62**: 409.—**Läwen, A.** Untersuchungen über die Durchblutung des Fusses von Frontsoldaten im gesunden und kranken Zustand, namentlich bei Frostschäden. Deut. Militärarzt, 1942, 7: 479–91. Also Schweiz. med. Wschr., 1942, **72**: 1310 (Abstr.)—**Lange.** Frost-bite and immersion foot. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 52.—**Late** complications of trench foot. N. York M. J., 1917, **106**: 754.—**Latimer, J. W.** Postwar aspects of the trench foot problem. Med. Clin. N. America, 1946, 421–9.—**Lorenz, A.** Operative Therapie der Kriegserfrierungen im Bereiche des Fusses. Zschr. Orthop., 1944, **75**: 118–26.—**Management** (The) and disposition of patients suffering from trench foot. Circ. Letter Off. Surgeon Mediterr. Theater U. S. Army, 1945, No. 2, 1–4. **Orlov, G. A.** Okhlazhdenie v vode. Khirurgia, Moskva, 1949, No. 9, 17–25.—**Pastinszky, I.** A lövészárokláb kórtana, megelőzése és kezelése. Honvédorvos, 1950, 2: 657–64.—**Patterson, R. H., & Anderson, F. M.** War casualties from prolonged exposure to wet and cold. Surg. Gyn. Obst., 1945, **80**: 1–11.—**Photographs** illustrating the pathology of immersion foot. Brit. M. Bull., 1944, 2: 139.—**Prevention** of trench foot. Bull. U. S. Army M. Dep., 1945, No. 87, 1–3.—**Ragan, C. A., & Schecter, A. E.** Clinical observations on early trench foot. Ibid., 4: 434–40.—**Ranking, G. N.** Trench foot. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 94.—**Redisch, W.** Chronic trench foot, a problem in the care of World War II veterans. Mil. Surgeon, 1947, **101**: 509–13.—**Ryles, C. S.** Trench-foot. In: Interallied Conf. War Med. (1942–45) 1947, 143–5.—**Sainton, P.** Le pied des tranchées. Chron. med., Par., 1918, **25**: 183.—**Salsano, P.** Esiti lontani di congelamento di un arto inferiore al lume dell'indagine radiologica e dei rilievi oscillometrici e termometrici. Gior. med. mil., 1942, **90**: 421–9.—**Schecter, A. E., & Ragan, C. A.** Trench foot; the diagnostic value of ischemic pain. Bull. U. S. Army M. Dep., 1945, No. 89, 98–100. Also Med. Bull. Medit. Theater of Oper. U. S., 1945, 3: 264–6.—**Shumacker, H. B., jr.** The surgical treatment of gangrene in trench foot. Surg. Gyn. Obst., 1946, **83**: 513–20. ——— Injuries due to cold, with particular reference to frostbite and trench foot. Wisconsin M. J., 1947, **46**: 317–24.—**Silverman, J. J.** An inquiry into the incidence of hyperhidrosis in convalescent trench foot. Ann. Int. M., 1946, **25**: 702–10.—**Simeone, F. A.** Trench foot. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 92.—**Spiridonov, A. H.** Sroki i metody operativnykh vmeshatelstv pri otmorozheniikakh palcev nog i ruk. In: Sborn, nauch. rabot N-sky evakhosp. (Dikovicky, A. A.) Gorky, 1943, 33–43.—**Stein, I. D.** Vascular injuries due to cold with particular reference to the late phase of trench foot. Mod. Concepts Card. Dis., 1946, **15**: [1]—**Sterzi, G.** Il congelamento dei piedi dei soldati; suo trattamento con i raggi Röntgen. Gior. ital. derm. sif., 1942, **83**: 243–74.—**Stricker, P., & Bach, F.** Traitement des pieds de tranchée par des infiltrations de scurocaïne du sympathique lombaire; influence sur les douleurs et les phénomènes ischémiques. Gaz. hôp., 1940, **113**: 205.—**Toone, E. C., & Williams, J. P.** Trench foot: prognosis and disposition. Bull. U. S. Army M. Dep., 1946, **5**: 198–210.—**Trench** foot. Med. Rec., N. Y., 1917, **92**: 547. Also Boston M. & S. J., 1918, **178**: 367. Also Circ. Lett. Chief Surgeon Europ. Theater Oper., 1944, No. 126, 1–10. Also Bull. U. S. Army M. Dep., 1945, **4**: 265–71.—**Trench** foot; by a military observer. Mil. Surgeon, 1917, **41**: 598–609.—**Trench** foot and preparation for wet cold. J. Mil. M. Pacific, 1945, 1: No. 2, 5–11.—**Trench** foot or so-called frost-bite. Guy's Hosp. Gaz., Lond., 1915, **29**: 86–8.—**Trench** shin. Mil. Surgeon, 1917, **41**: 609.—**Ungley, C. C., Channell, G. D., & Richards, R. L.** The immersion foot syndrome. Brit. J. Surg., 1945–46, **33**: 17–31.—**Weed, F. W.** Trench foot. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 290–3.—**White, J. C.** Trench foot, shelter foot, and immersion foot. Am. J. Nurs., 1943, **43**: 710–3.—**Wilson, L. B.** Trench foot. Bull. Internat. Ass. Med. Mus., Ann Arb., 1918, No. 7, 202–23.—**Yamada, H., & Kagawa, T.** Zur Therapie von Pernionis nebst Bemerkung über Pied de tranchée. (Japanese text) Jap. Zschr. Derm. Urol., 1920, **20**: 40–7—**Zee, M. L.** Treatment of trench foot; use of whirlpool bath. Med. Bull. North Afr. Theater of Oper. U. S., 1944, 1: No. 5, 20.

—— Pathogenesis.

STARLINGER, F., & FRISCH, O. v. Die Erfrierung als örtlicher Kälteschaden und die allgemeine Auskühlung im Kriege. 151p. 20cm. Dresd., 1944.

Arjev, T. J. Nekotorye dannye ob izmenenijakh v tkanjakh pri otmoroženijakh. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1951, **1**: 238–40.—**Bogdanov, F. R.** Patogenez, klinika, profilaktika i lechenie otmorozhenii. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 399–416, illust.—**Büttner, K., Frank, A., & Bolze, J.** Das Anfrieren der Haut an kalten Metallen. Deut. Militärarzt, 1944, **9**: 18–20.—**Calder, R. M.** Cold allergy; report of a case. J. R. Nav. M. Serv., 1940, **26**: 291–3.—**Girgolav, S. S., Arjev, T. J., & Gamov, V. S.** Etiologia i patogenez otmoroženij. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1951, **1**: 211–37.—**Kreyberg, L.** Om kuldereaksjoner i huden og frostskadenes mekanisme. Nord. med., 1946, **30**: 973–6.—**Leditznig, C.** Konstitution und Kälteschäden. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 148–53.—**Levin, A. I., & Khalezkaya, F. M.** [A contribution to the pathogenesis of frostbite, the rôle of local disturbances in circulation] Bull. War M., Lond., 1942–43, **3**: 427 (Abstr.)—**Siegmund.** Pathological findings with frostbites; inanition impairments. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 174–83.—**Wohlfeil.** Diminished resistance; opinion on the development of frostbites; the distribution of infectious diseases. Ibid., 190–2; Disc., 201.—**Zanotti, M.** Alcuni dati sulla costituzione individuale dei congelati di guerra. Boll. Soc. med. chir. Modena, 1941–42, **42**: 277–90. ——— Risultati della intradermoreazione di Rotter nei militari colpiti da congelamento. Gior. med. mil., 1947, **94**: 442–53.

—— Pathology.

Cignolini, P., & Castellaneta, V. Rendiconto clinico del centro di studi di criopatologia; inverno–1937–38. Gior. med. mil., 1939, **87**: 367–82.—**Müller, W.** Ueber Todesursachen bei örtlichen Erfrierungsschäden. Deut. Militärarzt, 1943, **8**: 16. Also Vjschr. schweiz. Sanitätsoff., 1943, **20**: 130 (Abstr.)—**Pathological** studies of frostbite. Med. Targets, 1945, No. M–AB, 117.—**Schultz.** Pathology of the effects of cold. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 57.—**Shabanov, M.** Patologo-histologicheskie izmeneniia serdechnososudistogo apparata u krolikov pri otmorozheniiakh. Tr. Saratov. gosud. med. inst., 1939, **2**: pt 2, 71–5.—**Shulman, M. S., & Glikin, M. I.** Izmeneniia kostei pri otmorozhenii. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 428–40, illust.—**Staemmler.** Pathologisch-anatomische Grundlagen der chronischen Gewebsschädigungen bei Ertrierungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 51–3. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 54–6.

—— Physiopathology.

Baldi, F. Differenze psicologiche fra i congelati ed i feriti di guerra. Atti Accad. fisiocr. Siena, 1941, **9**: 164–6.—**Burdenko, N. N.** Fagyás hatása a szimpatikus idegrendszerre. Honvédorvos, 1950, **2**: 717 (Abstr.)—**Cuppini, R.** Osservazioni sulla morfologia; concentrazione proteica e cloruri del sangue dei congelati di guerra. Gior. med. mil., 1942, **90**: 585–7.—**Levin, A. I., & Maisel, T. J.** [A contribution to the study of carbohydrate metabolism in patients with frostbite] Bull. War. M., Lond., 1942–43, **3**: 427 (Abstr.)—**Liebesny, P.** Physiopathology, treatment, and prevention of frost injuries; with special reference to frost injuries in warfare. N. York State J. M., 1944, **44**: 2118–23.—**Pastinszky, I., & Plank, E.** Hideginger okozta pressorreflex változások pernios betegeken. Honvédorvos, 1950, **2**: 424–9.—**Schwiegk, H.** Circulation and metabolism in case of local freezings. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 376.—**Tolstoukhova, L. I.** Morfologia krovi pri otmorozheniiakh. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 447–57.

—— Prevention.

MACHT, M. B., BADER, M. E. [et al.] The inhibition of frostbite wheals by the iontophoresis of antihistaminic agents. 9 l. 29½cm. Wash., 1948.

Forms No. 135, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Arjev, T. J. Profilaktika i lechenie otmorozhenii v usloviiakh armeiskogo frontovogo raiona. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 254–6. ——— Profilaktika otmorozhenii. Voen. med. J., Moskva, 1946, No. 12, 3–8. ——— Otmorozheniia; profilaktika. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1951, **1**: 322–5.—**Astafiev, A. D.** [Prevention of frost-bite] Voen. med. J., Moskva, 1944, 76–9.—**Aubert & Crouzet.** Les accidents causés par le froid dans les armées en campagne et leur prophylaxie. Arch. méd. chir. province, 1933, **23**: 219–28.—**Delépine, S.** Some of the effects of exposure to wet cold and their prevention (prevention of frost-bite, trench-foot, waterbite) Brit. M. J., 1915, **2**: 888–92.—**Des Cilleuls, J. M., & Bellon, J. G. F. E.** Les accidents généraux provoqués par le froid et leur prophylaxie dans l'armée. Rev. Serv. san. mil., Par., 1938, **109**: 479–506. Also Rev. san. mil., B. Air., 1939, **38**: 289–91.—**K., F.** [The use of fats and ointments for prevention of frost-bite] Voen. san. delo, 1943, No. 2, 63–5.—**Krotkov, F. G.** [Prevention of frost-bite] Ibid., 65–71. ——— [Prevention of frost-bite in troops] Ibid., No. 11, 61–7.—**Loehe.** Effect of cold; prophylaxis and diagnosis. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 51–3.—**Maksimov, S. V., & Smelkov, J. S.** Fiziologicheskie kolebaniia temperatury konechnostei i ikh znachenie dlia profilaktiki otmorozhenii. Voen. med. J., Moskva, 1946, No. 4, 23–8.—**Pavlov, S. T., & Smirnov, K. K.** [Prophylaxis of frost-bite with fats] Voen. san. delo, 1942, No. 11, 37–43.—**Prevention** of trench-foot (local frigorism) Lancet, Lond., 1915, **2**: 1304.—**Starlinger, F.** Zur Vorbeuge der Erfrierungen im Felde. Zbl. Chir., 1942, **69**: 1779–82. ——— Zur Kälteschadenvorbeuge im Felde. Ibid., 1943, **70**: 1570–3.—**Zembrzuski, L.** Powstawanie i profilaktyka odmrożeń w wojsku. Lek. wojsk., 1920, **1**: No. 37, 17–21.

—— Surgical aspect.

Altenkamp, T. Beitrag zur Frostschädenbehandlung durch Grenzstranganästhesie. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 130 (Abstr.)—**D'Agostino, F.** Particolari di tecnica sul trattamento chirurgico dei congelati. Gior. med. mil., 1942, **90**: 147.—**Gamov, V. S.** [On the surgical treatment of congelations of high degrees at evaco-hospitals of Leningrad] Khirurgia, Moskva, 1944, No. 12, 35–41. ——— Otmoroženija; operativnoe lečenie. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1951, **1**: 295–316, 3 pl.—**Jung, A., & Fell, H.** Arteriographie, Sympathicusinfiltration und Sympathektomie bei Erfrierungsschäden. Bull. War M., Lond., 1942–43, **3**: 219 (Abstr.)—**Jusevich, M. S.** Usecheniia perednego otdela stop posle otmorozhenii v sviazi s protezirovaniem. Raboty Leningr. vrach. za god Otechest. voiny, 1942, **2**: 100–11.—**Manheim, A. E.** K voprosu ob operativnom lechenii otmorozhenii 3. i 4. stepeni na stope. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 87–92.—**Philipowicz, J.** Sympathektomie bei Erfrierungen; vorläufige Mitteilung. Bull. War M., Lond., 1942–43, **3**: 428 (Abstr.)—**Schisano, A.** Sulla cura chirurgica dei congelati gravi. Gior. med. mil., 1942, **90**: 187–96.—**Schürer, F. v.** Periarterielle Sympathektomie bei schwerer Erfrierung. Bull. War M., Lond., 1942–43, **3**: 98 (Abstr.)

—— Treatment.

UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Medical series 1, No. 2: Treatment of injuries due to cold. 5p. 27cm. N. Y., 1943. ALSO Reprinted 4 p. Orlando, Fla, 1944.

Adams-Ray, J. Om kylskadors behandling. Tskr. mil. hälsov., 1944, **68**: Suppl., 59–69.—**Alipov, G. V.** Lechenie otmorozhenii i ikh posledstvii v tylovyh EH. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 256–9.—**Arjev, T. J.** Otmoroženija; pervaja pomošć. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1951, **1**: 281–3. ——— & **Gamov, V. S.** Otmorozheniia; lechenie. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1951, **1**: 281–321.—**Castro, M.** As geladuras e seu tratamento. Rev. med. mil., Rio, 1945, **34**: 459–61.—**Cirenei, A.** Note clinico-terapeutiche sui congelati in cura nell'ospedale militare di Roma. Gior. med. mil., 1942, **90**: 55–66.—**Drulev, V. A.** [Treatment of frost-bite] Feldsher, Moskva, 1943, No. 10, 19–22.—**Firt, L.** Choroby způsobené chladem a jejich léčba. Voj. zdrav. listy, 1949, **18**: 274–8.—**Friedland, M. O.** [The treatment of frost-bite] Feldsher, Moskva, 1942, No. 10, 1–4.—**Girgolav, S. S.** Otmorozheniia i ikh lechenie. Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 188–96.—**Kevorkian, A. A.** [Treatment of frost-bite] Voen. san. delo, 1941, No. 11, 57.—**Kimbarovsky, M. A.** Lechenie otmorozhenii v tylovyh EH. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 259–64.—**Kononenko, I. F.** Lechenie otmorozhenii i ikh posledstvii. Ibid., 264–7.—**Kulikova, A. I.** Lechenie otmorozhenii na konechnom etape evakuacii. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 170–82.—**Levit, V. S.** [Treatment of frost-bite] Voen. san. delo, 1941, No. 10, 12–6.—**Miller, M. R.** Frostbite and factors in the therapy of frostbite. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 23.—**Moriconi, L.** Note pratiche sul trattamento dei congelamenti di guerra. Atti Accad. fisiocr. Siena, 1941, **9**: 158–60.—**Panizzi, E.** Il trattamento dei congelati nell'Ospedale militare di Arliano. Ibid., 151–8.—**Rivoir** [Frost-bite and frost gangrene and their treatment] Bull. War M., Lond., 1942–43, **3**: 497 (Abstr.)—**Saltner.** Therapie der Kälteschädigungen der Haut unter militärischen Verhältnissen. Med. Klin., Berl., 1940, **36**: 578 (Abstr.)—**Starlinger.** Therapy of injuries caused by cold. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 54–7.—**Sturm, V. A.** Otmorozheniia i ikh lechenie. Raboty Leningr. vrach. za god Otechest. voiny, 1942, **2**: 29–39.—**Therapie** (Zur) der Kälteschädigungen der Haut unter militärischen Verhältnissen. Praxis, Bern, 1942, **31**: 398 (Abstr.)—**Treatment** (The) of frostbite. U. S. Nav. M. Bull., 1948, **48**: 99.

—— Treatment: Drugs.

PICHOTKA, J., & LEWIS, R. B. The use of heparin in the treatment of experimental frostbite. 8p. 26cm. Randolph Field, 1949.
Forms Rep. No. 2, Proj. No. 21-02-079, U. S. Air Force School Aviat. M.

Chlurco, G. A. Precisazioni sulla terapia biologica vitaminica per la riparazione dei tessuti nelle lesioni di guerra e da congelamento. Atti Accad. fisiocr. Siena, 1941, **9**: 170–92, illust.—**Lendle.** Pharmacologic results in animal experiments concerning local injuries due to cold. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 60–6. —— & **Zipf.** Pharmacological evaluation of the medicinal therapy of local injuries caused by effects of cold. Ibid., 58–60.—**Lewis, R. B., & Pichotka, J.** The use of anticoagulant therapy in frostbite with special reference to heparin. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 26; July. 17; Oct., 11; 1949, Jan., 18. —— & **Walker, W. B.** The use of anticoagulant therapy in frostbite with special reference to heparin. Ibid., Jan., 21.—**Zanotti, M.** L'indirizzo proteinoterapico nella cura dei congelati di guerra; fatti ed esperienze. Gior. med. Marca trevig., 1941, **3**: 152–6.

—— Treatment: Methods.

MILLER, M. R. Frostbite and factors in the therapy of frostbite. 6p. 27cm. Randolph Field, 1947.
Forms Rep. No. 1, Proj. No. 492, U. S. Air Force School Aviat. M.

PIONTKOVSKY, I. A., & JANOSHEVSKAIA, R. K. Физические методы лечения отморожений. 20p. 20cm. Moskva, 1944.

Arjev, T. J., & Gamov, V. S. Otmoroženija; ètapnoe lečenie. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1951, **1**: 316–21.—**Astuni, A.** Orientamenti e direttive nella moderna terapia dei congelamenti. Gior. med. mil., 1942, **90**: 787–9.—**Binhold, H.** Sollen Erfrierungen schnell oder langsam erwärmt werden? Deut. Militärarzt, 1942, **7**: 491–6.—**Bogdanov, F. R., & Epstein, V. V.** Lechenie posledstvii otmorozheniia iskusstvennymi macestinskimi vannami v usloviiakh tylovogo hospitalia. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 477–80.—**Bychkova, O. N., & Naftol'ev, J. A.** Vosstanovlenie trudosposobnosti pri otmorozheniiakh. Ibid., 458–65, illust.—**Bykova, O. S., & Drobiz, F. D.** Griazelechenie pri otmorozheniiakh. Ibid., 466–70.—**Dolinskaia, A. T.** [Early application of the electric field of ultra-high frequency in frost-bites at the front] Arkh. biol. nauk, 1940, **60**: No. 2, 3-6.—**Gamov, V. S.** Otmoroženija; konservativnoe lečenie. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1951, **1**: 283–95.—**Goecke, C. A.** Ueber die Behandlung der Erfrierungen mit Sulfonamiden. Bull. War M., Lond., 1942–43, **3**: 99 (Abstr.)—**Golofastova, E. K.** Kombinirovannyi sposob lecheniia ran po metode docenta Modestova oblucheniem ultrafioletovymi luchami s posleduiuschchim nalozheniem poviazki iz obluchennogo rybego zhira. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 504–7.—**Izdebsky, S. M.** Fizioterapia otmorozhenii. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 202–7.—**Kamenskaia, T. P.** Blok po Vishnevskomu pri otmorozheniiakh. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 481–6.—**Kaz, B. L., & Lukanov, A. F.** [Medical aid for frost-bite in wartime] Voen. san. delo, 1942, No. 9, 21–8.—**Kovda, R. J., & Usim, T. S.** [Treatment of frost-bite with the ultra-high frequency field] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 445–7.—**Kubota, M.** Tōsyō toku ni no tiryō ni taisuru rinsyō-teki kenkyū. Gun idan zassi, 1929, No. 188, 281–8.—**Ljubina, N. I., & Mitin, V. V.** [Results of physiotherapy of frost-bites in base hospitals] Kazan. med. J., 1940, **36**: No. 6, 18–22.—**Matheis, H.** Kurze Mitteilung zur Behandlung der Erfrierungen. Deut. Militärarzt, 1942, **7**: 153–5.—**Miller, M. R.** The evaluation of recently developed methods of treatment of frostbite. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, Jan., 15.—**Mintz, I. J.** K voprosy lecheniia otmorozhenii ultravysokochastotnym polem (UVC) In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 471–6.—**Modestov, V. K.** Lechenie ran i otmorozhenii i ikh posledstvii fizio- i balneologicheskimi faktorami. Ibid., 494–7. —— Lechenie ran i otmorozhenii orosheniem iodobromnoi vodoi i emulsiei iz rybego zhira. Ibid., 498–503.—**Pershin, A. G.** Opyt lecheniia posledstvii otmorozhenii na Sochi-Macestinskom kurorte. Voen. med. J., Moskva, 1945, No. 10, 7–11.—**Piontkovsky, M. A.** [Physiotherapy of frost-bite] Feldsher, Moskva, 1943, No. 3, 6–10.—**Ponzio, M.** Sulla terapia delle perfrigerazioni di guerra. Minerva med., Tor., 1940, **31**: pt 2, 588.—**Rabinovich, J. S.** [Treatment of frost-bite in military zones] Khirurgia, Moskva, 1941, No. 6, 46–9.—**Rácz, I.** A fagyások korszerű kezelése. Honvédorvos, 1950, **2**: 648–57.—**Rupasov, N. F.** Kharakteristika otmorozhenii i metody ikh lecheniia. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 487–93.—**Schumacker, H. B., jr.** Early treatment of frostbite. Research Rev. (U. S. Navy) 1950, Mar., 5–9.—**Scottl, G.** Considerazioni sul trattamento immediato dei congelati gravi di guerra. Policlinico, 1943, **50**: sez. prat., 1085–8.—**Smirnov, I. I., & Orlov.** Lechenie obmorozhennykh v tylovykh evakohospitaliakh. Voen. san. delo, 1940, No. 10, 57–9.—**Spampinato, L.** Sul trattamento dei congelati. Ann. med. nav., Roma, 1947, **52**: 187–90.—**Zalkindson, E. T.** Fizicheskaia terapia pri otmorozhenii. Tr. Evakohosp., Leningr., 1943, No. 5, 29–34.

—— by branches of service.

DEBRUNNER, H. Die Klinik und die Behandlung der örtlichen Erfrierungen; militärärztlicher Bericht über 26 Fälle von Kälteschäden beim Dislokationsmarsch zu einem Skikurs entstanden. 128p. 25cm. Bern, 1941.

Curry, W. A., & Begg, R. W. Experiences with frost bite and allied conditions amongst torpedoed merchant seamen. Nova Scotia M. Bull., 1942, **21**: 313–7.—**Davis, L.** High altitude frostbite. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 11, 17–9. —— **Scarff, J. E.** [et al.] High altitude frostbite. Surg. Gyn. Obst., 1943, **77**: 561–75, ill.—**E., J.** Frostbite in horses. J. R. Army Vet. Corps, 1943–44, **15**: 32.—**Friedman, N. B., & Kritzler, R. A.** The pathology of high-altitude frostbite. Am. J. Path., 1947, **23**: 173–87, incl. 4 pl.—**Frostbite.** In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 4, 10–3.—**Frostbite** among American combat airmen greatly reduced. J. Am. M. Ass., 1944, **125**: 638.—**Iwazaki, K.** Kōtoku zyū nendo Hoku-an-syō teturi seinen giyūtai kunrensyo ni okeru tōsyō-kanzya hassei zyōkyō narabi-ni kore ga ryōhō tosite no kōkan-sinkei-setu syusei-tyūsya ni tuite [... frostbite in the young men of the Teturi patriotic drill-ground, and the treatment of the same by injections of alcohol into the sympathetic nerve ganglia] Nippon igaku, 1944: 250–3, illust.—**Keynes, G. L.** Cold, R. A. F.'s other enemy, is beaten. Mil. Surgeon, 1944, **95**: 3–5.—**Sheeley, W. F.** Frostbite. Air Surgeon's Bull., 1945, **2**: 23–5.

COLD-PROTECTIVE clothing.

See **Clothing,** protective.

COLD war.

See under **Militarism,** in this section.

COLEMAN burner.

See under **Burner.**

COLLECTING platoon.

See also **Ambulance section; Collecting station; Litter bearer.**

Eggers, H. Ueber Kriegschirurgie auf dem Hauptverbandplatz. Deut. Militärarzt, 1940, **5**: 503 (Abstr.)—**Krotkov, F. G.** [Clearing up the battle-field] Voen. san. delo, 1942, No. 6, 52–5.—**Wickens, B. T.** Notes on operation of a collecting company in combat. Mil. Surgeon, 1945, **96**: 435.

COLLECTING station.

See also **Aid station; Ambulance; Clearing station.**

Alksne, J. O. [Problems of the principal dressing stations] Voen. med. J., Moskva, 1915, **244**: med. spec. pt, 165–89.—**Breslauer, F.** Der Hauptverbandplatz. Deut. mil. ärztl. Zschr., 1917, **46**: 1; 33.—**Dankov, S. S.** Kontrol'no-sortirovochnye medicinskie punkty na putiakh evakuacii. Voen. med. J., Moskva, 1947, No. 9, 23–5.—**Michael, P. R.** [The principal dressing station] Geneesk. gids, 1940, **18**: 2–9.—**Nikolaev, G. F.** Obshchie principy okazania pomoshchi etapnogo lechenia ranennykh v zhivot; okazanie pervoi pomoshchi rannennym v zhivot, vynos ikh s polia boia i sroki dostavki na polkovye medicinskie punkty. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12**: 78–82.—**Petrov, V.** Mestnyi evakuacionnyi punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1028–31.—**Ramírez, R.** Punto de reunión de enfermos. Rev. san. mil., B. Air., 1944, **43**: 71–6.—**Semeka, S.** Punkt sbora legko ranenykh. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 993–6.

—— Medical service.

See also **Battlefield,** Medical activities; **Evacuation; First aid; Wounded.**

Eggers, H. Ueber Kriegschirurgie auf dem Hauptverbandplatz. Münch. med. Wschr., 1940, **87**: 113–7. Also in Kriegschir. Ratgeber, Berl., 1941, 28–41.—**Engels, H.** Zwei wesentliche Hilfsmittel bei der Versorgung der Verwundeten auf dem Hauptverbandplatz. Deut. Militärarzt, 1941, **6**: 285.—**Melzner, E.** Der Frontchirurg auf den Hauptverbandplätzen des Ostens. Ibid., 1944, **9**: 20–42.—**Petermann.** Chirurgische Tätigkeit und Erfahrungen auf dem Hauptverbandplatz. Med. Klin., Berl., 1916, **12**: 1127–32.—**Schliep, L.** Kriegschirurgische Arbeit auf dem Hauptverbandplatz. Münch.

med. Wschr., 1914, **61**: 1796.—**Solbrig.** Sieben hundert fünf und fünfzig Verwundete in zwei Tagen versorgt auf dem Hauptverbandplatz einer Sanitätskompanie Illust. Ztg, Lpz., 1941, January, p. 56.—**Staden, v.** Chirurgische Tätigkeit auf dem Hauptverbandplatz. Med. Klin., Berl., 1917, **13**: 215.—**Stark, W.** Tätigkeit und Probleme des Chirurgen auf dem Hauptverbandplatz im Westen. Zbl. Chir., 1941, **68**: 2050–7.—**Stromberg, G. G.** Organizacia operativnoj dejatelnosti i pomoshchi tjazhelo-ranenym v linii glavnykh perevjazochnykh punktov. Voen. med. J., Moskva, 1914, **239**: med. spec. pt, 14–30.

COLOMBIA.

For references to this country see **Medical organization; Nurse; Tuberculosis.**

COLOR vision.

See under **Vision,** in this section.

COMBAT.

See also **Attack; Battalion surgeon; Battle; Offensive; Operation; War neurosis; War psychosis.**

Akodus, J. Vstrechnyi boi. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1057–64.—**Lammirato, A. E.** El relevo de unidades en el combate. Rev. mil., B. Air., 1942, **42**: pt 1, 483–505.—**Marshall, S. L. A.** Why men fight. In his Men against Fire, N. Y., 1947, 138–56.—**Moloney, J. C.** Prewar contrast between the Japanese and American attitude toward hand-to-hand combat. In his Magic Cloak, Wakefield, 1949, 199–204.—**Vasilyev, A.** Air action against combat formations. Mil. Rev., Fort Leavenw., 1942–43, **23**: No. 2, 21–3.

—— Air combat.

See also **Aircrew; Air warfare.**

Bennett, M., & Wulff, V. J. Oxygen consumption of aircrew in combat. 11 l. 28cm. Dayton, 1944.

Forms No. ENG–49–660–48–F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Combat requirements. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 107–46.—**Console, W. A.** Psychiatric reactions to aerial combat and their sequelae. Connecticut M. J., 1946, **10**: 900–2.—**Janis, I. L.** Morale attitudes of combat flying personnel in the Air Corps. In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, 2: 324–61. ——— Objective factors related to morale attitudes in the aerial combat situation. Ibid., 362–410.—**Pera, G., & Mangiacapra, A.** Psicologia del combattimento aereo; considerazioni in margine a Esperienze psichiatriche dell'VIII Forza Aerea, di D. W. Hastings, D. G. Wright, B. C. Glueck. Riv. med. aeronaut., 1947, **10**: 191–213.—**Physical** examination of Naval aviators returning from the combat areas [form letter] Bumed News Lett., Wash., 1943, **1**: No. 8, 27.—**Rathaus, L. M., & Bamdas, B.** O reakciiakh letchika na boevoi polet. Voen. med. J., Moskva, 1946, No. 1–2, 27–34.—**Studies** of individual reactions to combat. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1948, No. 1, 207–35.—**Walsh, M. N.** Psychologic conditioning for aerial combat. Air Surgeon's Bull., 1945. **2**: 233.

—— Medical service.

See also **Battle,** Medical work; **Battlefield,** Medical activities; **Combat zone.**

At the front. Pharm. Advance, 1942–43, **14**: No. 161, 5.—**Cohen, N. H.** The rôle of the Medical Department in combat. Ann. Int. M., 1943, **18**: 428.—**Heflebower, R. C., Wunderlich, F. R., & Koon, G. H.** The Medical Service of the Infantry Division in combat; service of Medical, Dental and Veterinary Corps. Mil. Surgeon, 1927, **60**: 645–76, 1 ch. & 3 maps.—**How** men of medicine work in heat of battle. Bull. Los Angeles M. Ass., 1944, **74**: 571; 612.—**Martins Pereira, H. A.** Generalidades sôbre o tratamento médico-cirúrgico nas frentes de combate. Rev. méd. brasil., 1946, **20**: 67–84, pl.—**Meyer, G. E.** The dental service in combat. Mil. Surgeon, 1942, **90**: 152–5.—**Szarecki, B.** Kilka uwag praktycznych dla młodych kolegów chirurgow, pracujących na froncie. Lek. wojsk., 1920, **1**: No. 21, 1–9; Disc., No. 31, 13–5, illust.

—— naval.

See under **Battle, naval; Dental Officer,** Navy; **Naval warfare.**

—— Psychological effect.

See also **War neurosis; War psychosis.**

Stouffer, S. A., Lumsdaine, A. A. [et al.] The American soldier; combat and its aftermath. 675p. 24½cm. Princet., 1949.

Forms v. **2,** Stud. Social Psychol. World War II.

Lüderitz, H. Das Gemeinschaftserlebnis in der vordersten Linie. Zschr. angew. Psychol., 1938, Beih. 79, 28–42.—**Marshall, S. L. A.** Combat isolation. In his Men against Fire, N. Y., 1947, 44–9.—**Menninger, W. C.** Stresses most commonly encountered in combat. In his Psychiat. in a Troubled World, N. Y., 1948, 72–7.—**Mierke, K.** Die wesenswandelnde und wesensformende Kraft des Kriegserlebnisses. Zschr. angew. Psychol., 1938, Beih. 79, 1–27.—**Stouffer, S. A., Lumsdaine, A. A., & Lumsdaine, M. H.** Attitudes before combat and behavior in combat. In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, 2: 3–58.—**Vialle, L.** Désenchantement; notes pour la psychologie du combattant. J. psychol. norm., path., Par., 1936, **33**: 285–308.

COMBAT aviation.

See also **Aviation; Aviator; Combat,** Air combat; **Fighter; Fighter aviation,** etc.

Winfield, R. H. The use of benzedrine to overcome fatigue on operational flights in Coastal Command. 5 l. 23½cm. Lond., 1941.

Forms F. P. R. C. No. 361, Gr. Britain Flying Pers. Res. Com.

Dill, D. B. Food preferences in combat flights. J. Aviat. M., 1947, **18**: 590–3.—**Mouchard.** El factor aéro en la guerra moderna. Rev. mil., B. Air., 1941, **41**: pt 2, 1353–64.

COMBAT boot.

See **Boot.**

COMBAT exhaustion.

See **War neurosis.**

COMBAT fatigue.

See **War neurosis,** combat induced.

COMBAT intelligence.

See **Intelligence.**

COMBAT neurosis.

See **War neurosis,** combat induced.

COMBAT performance.

For its prediction in pilots see **Aviator,** Psychological examination.

COMBAT pilot.

See **Aviator,** Combat pilot; also **Fighter aviation.**

COMBAT psychiatry.

See also **Battle,** Effect; **Battlefield,** Medical activities; subheadings of **Combat** (Medical service; Psychological effect) **Neuropsychiatric casualty; Psychiatry; War neurosis; War psychosis.**

Drayer, C. S., & Ranson, S. W. Combat psychiatry. Bull. U. S. Army M. Dep., 1945, **4**: 91–6.—**Hanson, F. R., & Ranson, S. W.** Combat psychiatry; statistical studies. Ibid., 1949. **9**: Suppl., 191–204.—**Jungle** clinic aids unstrung soldiers. Wisconsin M. J., 1945, 42: 1167.—**Mayer-Gross, W.** Practical psychiatry in war-time. Lancet, Lond., 1939, 2: 1327–30.—**Sheps, J. G., & Coburn, F. E.** Psychiatric study of 100 battle veterans. War Med., 1945, 8: 235–7.—**Wright, D. G.** Preparation for emotional stresses of combat. Air Surgeon's Bull., 1944, 1: No. 12, 6.

COMBAT psychosis.

See **War psychosis.**

COMBAT ration.

See under **Ration.**

COMBAT troops.

See also **Troops;** also such terms as **Battle; Combat; Rotation,** etc. also name of military units as **Battalion; Division,** etc.

Mercier, R. G. El combatiente, en lucha con el enemigo. p. 13–44. 19cm. Madr., 1940.

In his Grandez. & miser. d. combat., 2. ed., Madr., 1940.

—— [El combatiente, en lucha con la miseria] p. 77–112. 19cm. Madr., 1940.
In his Grandez. & miser. d. combat., 2. ed., Madr., 1940.

—— El combatiente, en lucha con el sufrimiento. p. 113–48. 19cm. Madr., 1940.
In his Grandez. & miser. d. combat., 2. ed., Madr., 1940.

A., C. Les trembleurs héroïques. Chron. méd., Par., 1917, **24**: 283.—**Adler, M. H.** Case study of a combat veteran. J. Nerv. Ment. Dis., 1948, **108**: 200–10.—**Johnson, D. E., & Thickstun, J. T.** Fraternity in combat. Am. J. Psychiat., 1945–46, **102**: 245–56.—**Marshall, S. L. A.** Men under fire. In his Men against Fire, N. Y., 1947, 179–202.—**Martínez Bande, J. M.** Para una psicología del combatiente. Ejército, Madr., 1942, No. 33, 33–6.—**Martins Pereira, H. A.** Influência do calor, da água e do sal na saúde dos combatentes. Rev. med. mil., Rio, 1947, **36**: 428–33.—**Mercier, R. G.** Preparación física para el combate. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 15–8.—**Quelques** réflexions de combattants. Rev. path. comp., Par., 1915, **15**: 30–4.—**Smith, M. B.** Attitudes of ground combat troops toward rear echelons and the home front. In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, **2**: 290–323.

COMBAT zone.

See also **Air evacuation; Battlefield,** Medical activities; **Combat,** Medical service; **Field service; Front; Medical organization; Tuberculosis; Venereal disease; War neurosis; War psychosis.**

Borden, D. L. Treatment of wounded in the combat zone. Surg. Gyn. Obst., 1944, **78**: 125–32.—**Cabot, H.** Surgical management of major casualties in the combat zone. Proc. Mayo Clin., 1932, **7**: 80–7.—**Care** (The) of the injured in combat zones. Bull. Am. Coll. Surgeons, 1943, **28**: 109–14.—**Churchill, E. D.** Modern surgery in combat area with evacuation based on the surgical urgency of the wound. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1**: No. 3, 7.—**Ferguson, L. K.** Function of the medical officer in battle zones. U. S. Nav. M. Bull., 1944, **42**: 1269–74.—**Holfelder, H.** Ueber die Aufgaben der Sanitätstaktik in der vordersten Kampfzone. Mil. Wbl., 1936–37, **121**: 1790; 1863.—**López Cotarelo, A.** Organización de los servicios sanitarios militares de vanguardia. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 527–56.—**Martins Pereira, H. A.** Emprêgo das formações de saúde nas frentes de combate. Rev. med. mil., Rio, 1946, **35**: 33–55.—**Ripps, I.** Medical service in the combat zone. Merck Rep., 1945, **54**: No. 3, 12–5.—**Romero Pérez, A.** El servicio médico en el escalón de combate. Sugestiones, Méx., 1943–45, **9**: No. 115, 164–73.—**Shaar, C. M.** Care of the injured in combat zones. Surg. Clin. N. America, 1943, **23**: 1667–72.—**Walters, W.** Care of the injured in war zones. Bull. Am. Coll. Surgeons, 1943, **28**: 115–21.

COMBINED operation.

See also **Operation.**

Great Britain. War Office. General Staff. Combined operations pamphlet No. 39 B: R[oyal] A[rmy] M[edical] C[orps] based on 1942 organization of field medical units [Reprint] 38p. 18½cm. [Ottawa?] 1943.

Mann, W. L., & Hume, E. E. Medical tactics of combined operations of the Army and Navy. 36p. 4° Wash., 1937.
Also Congr. internat. méd. pharm. mil., 1937, 9. Congr., **1**: 3–35.—Also Spanish tr., Rev. san. nav., Valparaiso, 1937, **7**: 177–81.—Also Mil. Surgeon, 1938, **82**: 439; 529.

United States. Navy. Bureau of Medicine and Surgery. Medical service in joint oversea operations. 36p. 19cm. Wash., 1940.

Martyn, A. I. C. Organisation and function of medical arrangements in combined naval and military operations. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **1**: 38–54. Also J. R. Army M. Corps, Lond., 1938, **70**: 105–7.—**Sabrié, Solcard.** [et al.] Organisation et fonctionnement du service de santé dans les opérations combinées des armées de terre et de mer [discussion] Rapp. Congr. internat. med. pharm. mil., 1937, 9. Congr., **2**: 111–31.

COMMAND and General Staff College.

See under **School.**

COMMANDER.

See also **Leadership.**

Airplane commander. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 16, 89–142.—**Richard.** Sanitätsdienstliche Probleme für den Truppen-Kommandanten. Militärsanität, Zür., 1946, **28**: 36; 1947, **29**: 53.

COMMANDO.

See **Ranger.**

COMMISSARY.

See also **Food; Nutrition; Supply.**

Hospital commissary administration. Hosp. Corps Q., 1944, **17**: No. 6, 14–9.—**Procurement** and accounting of commissary stores. Ibid., 20–4.

COMMISSION.

See such terms as **Officer; Reserve officer,** etc.; also **Procurement.** For groups of experts see **Committee;** also under names of commissions as **Atomic Bomb Casualty Commission; Atomic Energy Commission, etc.**

COMMITTEE.

See also under specific names of committees as **Biology War Committee;** also under **Military medicine; Preparedness,** medical; **Venereal disease.**

Banks, B. M. A manual of boards for medical officers. 231p. 26½cm. Clinton, Iowa, 1944.

United States. War Department. Army regulations, No. 40–80: Medical Department board. 1p. 8° Wash., 1929.

Karpov, I. E. [Activity of Army medical commissions of the rear evacuation hospitals and certain Army medical examinations] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 41–5.—**Molodcov, N.** Voenno-vrachebnaia komissia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 868–71.—**Voennaia** komissiia Prezidiuma AMN SSSR. Vest. Akad. med. nauk SSSR, 1946, No. 5, 17.

COMMON cold.

See under **Epidemic,** Types.

COMPANY.

See also **Ambulance Corps; Bath company; Division; Regiment.**

Akodus, J. Rotnyi medicinskii post. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1171.—**Medical** service in an infantry company. Voz san. N. Orl., 1937, No. 16, 6.—**Perkov, N.** Rota. In: Encikl. slovar voen med., Moskva, 1946–48, **4**: 1170.

—— Medical company.

See also **Medical battalion; Medical troops.**

Karpechenko, L. Mediko-sanitarnaia rota. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 695.—**Mikhelson, G.** Obmyvochno-dezinfekcionnaia rota. Ibid., 1432.—**Philipp, R.** Eine Kompanie Soldaten; Blätter aus dem Tagebuch einer Sanitätskompanie. In: Sanitätstruppen, Zür., 1942, 83–9, illust.—**Shustov, V., & Komissarov, M.** Otdelnaia rota medicinskogo usileniia. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 141–4.—**Walkowski, S.** Rola lekarza-instruktora kompanji zapasowej sanitarnej. Lek. wojsk., 1921, **2**: 1658–62.

COMPENSATION.

See as subheading under the following terms of this section: **Injury; Tuberculous; Veteran; War neurosis; War psychosis.**

COMPRESSED air illness.

See also **Altitude; Atmospheric chamber.**

Alan, W. D. Caisson disease. J. R. Army M. Corps, 1942, **79**: 199–203.—**Best, C. H., & Taylor, N. B.** Caisson disease; compressed air illness; aeroembolism; the bends. In their Physiol. Basis Med. Pract., 3. ed., Balt., 1943, 599.—**Caisson** disease. Bumed News Lett., Wash., 1944, **3**: No. 10, 4–6.—**Donald, K. W.** A case of compressed-air illness. Brit. M. J., 1944, **1**: 590.—**Dudley, S. F.** Caisson disease (compressed-air illness) In: Brit. Encyl. M. Pract. (Rolleston, H.) Lond., 1936, **2**: 730–6.—**Francis, W. S.** An unusual case of compressed-air illness. U. S. Nav. M. Bull., 1943, **41**: 188.—**Henderson, R. D.** Caisson's disease, bends, diver's paralysis. Flight Surgeon Topics, 1939, **3**: 187–99. ——— Symposium on caisson disease; caisson disease; bends; diver's paralysis. Memphis M. J., 1939, **14**: 70–6.—**Henderson, Y.** Compressed air illness. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, **1**: 1106–11.—**Ivanov, D. I.** Gastro-intestinal reflex in caisson disturbances during rapid rise to high altitudes. Am. Rev. Soviet M., 1947–48, **5**: 49–51.—**Krivosheenko, N.** Kessonnaia

bolezn. In: Enclkl. slovar voen. med., Moskva, 1946–48, 2: 1203–12.—**Manabe, K.** A case of severe caisson disease. Bull. Nav. M. Ass., Tokyo, 1938, 27: No. 10, 2.—**Schilling, C. W.** Compressed-air illness. U. S. Nav. M. Bull., 1938, 36: 9; 235.—**Swain, V. A. J.** Caisson disease, compressed-air illness, of bone with a report of a case. Brit. J. Surg., 1941–42, 29: 365–70.—**Thorne, I. J.** Predisposition to compressed air illness. U. S. Nav. M. Bull., 1943, 41: 1044–51.

COMPRESSION injury.

See under **Injury.**

COMPULSORY service.

See under **Service**; also **Universal military training.**

CONCEALMENT.

See **Camouflage.**

CONCUSSION.

See under **Injury.**

CONFERENCE.

See **Hospital staff,** Conference. See also **Military medicine,** Congresses; **Surgery,** Congresses.

CONFUSION.

See under **War psychosis.**

CONGELATION.

See **Cold injury.**

CONGO.

See under **World War II,** in this section.

CONSCIENTIOUS objector.

See also **Militarism,** Pacifism.

Schulthess, P. *Ueber Militärdienstverweigerung aus krankhafter Ursache; nach dem Material der Zürcher Psychiatrischen Klinik. 37p. 8° Zür., 1933.

Also Schweiz. Arch. Neur. Psychiat., 1933, **32:**

Boisen, A. T. Conscientious objectors; their morale in Church-operated service units. Psychiatry, Balt., 1944, **7:** 215–24.—**Clark, R. A., & Burgess, A. M.** jr. The work of conscientious objectors in state mental hospitals during the second World War. Psychiat. Q. Suppl., 1948, **22:** 128–40.—**Conscientious** (The) objector. J. Am. M. Ass., 1943, **122:** 178.—**Conscientious** objectors (Parts 652 and 653) In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2:** 183–7.—**Crespi, L. P.** Attitudes toward conscientious objectors and some of their psychological correlates. J. Psychol., Provincet., 1944, **18:** 81–117. ——— Public opinion toward conscientious objectors; measurement of national approval-disapproval. Ibid., 1945, **19:** 209–50. ——— Intensity of social rejection in stereotype and attitude. Ibid., 251–76. ——— Opinions on significant conscientious objector issues. Ibid., 277–310.—**Engle, T. L.** Attitudes toward war as expressed by Amish and non-Amish children. J. Educ. Psychol., 1944, **35:** 211–9. ——— An analysis of themes on the subject of war as written by Amish and non-Amish children. Ibid., 267–73.—**Gaupp.** Dienstverweigerung aus religiösen (und politischen) Gründen und ihre gerichtsärztliche Beurteilung. Med. Korbl. Württemb. ärztl. Landesver., 1918, **88:** 167; 175.— **Gory, A. E., & McClelland, D. C.** Characteristics of conscientious objectors in World War II. J. Consult. Psychol., 1947, **11:** 245–57.—**Jörger, J. B.** Ueber Dienstverweigerer und Friedensapostel. Zschr. Neur. Psychiat., 1918, Orig., **43:** 117–33.—**Jones, A. T.** A medical officer's conscientious objection. Brit. M. J., 1941, **2:** Suppl., 86.—**Lange, J.** Dienstverweigerung aus religiösen Gründen. Münch. med. Wschr., 1937, **84:** 13–16.—**Lessons** (The) of Dudley. Med. Off., Lond., 1942, **67:** 25.—**May, M. A.** The psychological examination of conscientious objectors. Am. J. Psychol., 1920, **31:** 152–65.—**Medical** (A) officer's conscience. Brit. M. J., 1941, **2:** 553; Disc. **2:** Suppl., 92.—**Mitchell, C. F.** A psychiatric program for the civilian public service camps. News Letter, N. Y., 1942–43, **12:** 105–8.—**Mullen, J. M.** The case of the conscientious objectors. Johns Hopkins Alumni Mag., 1942–43, **31:** 5–8.—**Stalker, H.** Conscientious objectors with psychiatric states. J. Ment. Sc., Lond., 1943, **89:** 52–8.

CONSCRIPTION.

See **Recruiting.**

CONSERVATIVISM.

See under **Militarism.**

CONSTRUCTION battalion.

Construction Battalion dispensaries. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 14, 86–8.—**Hurlbut, J. L.** Medical problems in a construction battalion. U. S. Nav. M. Bull., 1945, **44:** 793–6.

CONSULTANT.

See also **Medical consultant**; also names of specialists.

Appoints five science writers as civilian consultants. J. Am. M. Ass., 1944, **125:** 216.—**Kaufman, S. H., & Clark, R. A** Value of civilian psychiatric consultation for Army University Cadets. Am. J. Orthopsychiat., 1945, **15:** 489–94.—**Lipkin, S.** The Personnel Consultant in an Army rehabilitation center. Psychol. Bull., 1944, **41:** 524–31.—**Sarlin, C. N.** Psychiatric consultations in the Army. Mil. Surgeon, 1945, **97:** 139–43.

CONTACT lens.

See also **Eyeglass**; also **Aviator,** Eye.

Zertuche Rodríguez, A. Cristales de contacto y cristales de combate. Arch. méd. mex., 1944, **2:** 322–30. Also Rev. Esc. méd. mil., Méx., 1944, **3:** No. 16, 7–12.

CONTAMINATION.

See **Decontamination.**

CONTRACT surgeon.

See **Medical officer,** civilian.

CONTRAST discrimination test.

See under **Anoxia,** Mental aspect.

CONVALESCENT.

See subsequent headings; also **Hospital,** convalescent; **Hospital report,** United States: Convalescent hospitals; **Hospital service,** convalescent; **Rehabilitation; Replacement; Training.**

Browne, J. S. L., Schenker, V. [et al.] Some metabolic aspects of damage and convalescence. 15p. 28cm. [Ottawa? 1944?]

Forms No. C–6060A, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Henneman, P. H. Metabolic aspects of convalescence. 91 [i. e. 101] l. 27cm. Wash., 1948.

In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **3:** No. 2, 1–94.

Weiss, R. A. Physical training program for convalescent medical patients. 30p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 246, U. S. Air Force School Aviat. M.

Andreae, W. A., Weil, P. G., & Browne, J. S. L. Studies on vitamin requirements in damage and convalescence. Proc. Comm. Army M. Res. (Nat. Res. Counc. Canada) 1945, 7. meet., **2:** C–6177.—**Browne, J. S. L., Schenker, V., & Weil, P. G.** Further studies on the metabolic aspects of damage & convalescence. Ibid., 1944, 5. meet., No. 2, C. 6140, 1–22, 9 fig.—**Childress, H. M.** Regulated group exercise for convalescent patients. Mil. Surgeon, 1942, **91:** 581–4.—**Conference** on nutrition in damage and convalescence. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6137, 1–31.—**Convalescent** reconditioning in hospitals. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 168, 1–6.—**Cooksey, W. B.** Convalescence; as a postwar problem. Mod. Hosp., 1944, **63:** No. 3, 48–50.—**Deutsche, A.** Reduction of sick time in Army hospitals. Congressional Record, 1943, **89:** A5009.—**Hermida, J.** La recuperación de enfermos. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 463–92.—**Levis, D.** The management of convalescent soldiers. J. R. Army M. Corps, 1945, **85:** 238–48.—**Lowman, E. W.** Planned convalescence. U. S. Nav. M. Bull., 1944, **43:** 611–20.—**Neu ,H. N., & Urban, F. K.** Convalescence and rehabilitation in a general hospital in the tropics. Mil. Surgeon, 1945, **96:** 377–85.—**Nutritional** aspects of convalescent care. Bull. U. S. Army M. Dep., 1944, No. 76, 85–97.—**Rusk, H. A.** The Army Air Forces convalescent rehabilitation training program. Congressional Record, 1943,

89: 10586–88. ——— Convalescent training program. Air Surgeon's Bull., 1944, 1: No. 2, 14–6. ——— Rehabilitation and convalescent care; the application of military experience to civilian practice. In: Integr. Pract. M. (Hyman, H. T.) Phila., 1947, 4: 4117–31.—**Tansey, S. P.** Post-war trends in convalescence. Canad. Hosp., 1946, 23: 32.—**Tureen, L. L.** Psychiatric complications in convalescent patients. Med. Bull. North Afr. Theater of Oper. U. S., 1944, 1: No. 4, 11–7.—**Weniger.** Les soldats en congé de convalescence. Deut. mil. ärztl. Zschr., 1910, 39: 950–3.

—— Air Force.

See also **Rehabilitation.**

KARPOVICH, P. V. Physical fitness for convalescents. 13p. 27cm. Randolph Field, 1944. Forms Rep. No. 1, Proj. No. 224, U. S. Air Force School Aviat. M.

UNITED STATES. WAR DEPARTMENT. ARMY AIR FORCES. Information letter; Army air forces convalescent-rehabilitation training program. Wash., No. 1, 1943–

Bijou, S. W., & Gillman, R. D. Origins of the psychological program in AAF convalescent hospitals. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 1–14.—**Bijou, S. W., & Heathers, G. L.** Research in AAF convalescent hospitals. Ibid., 52–8.—**Gillman, R. D., & Ramsey, G. V.** A. A. F. Convalescent-Rehabilitation Program. Psychol. Bull., 1944, 41: 548–50.—**Lucio, W. H., & McReynolds, P. W.** Interests in relation to convalescent activities. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 119–32.—**Rusk, H. A.** The Army Air Forces' convalescent-rehabilitation training program; the first year's experience. J. Indiana M. Ass., 1943, 36: 649–51. ——— Convalescent training program in the Army Air Forces. Tr. Am. Neur. Ass., 1944, 70: 19–22. ——— Convalescent care and rehabilitation in the Army Air Forces. Med. Clin. N. America, 1945, 29: 715–28. ——— The Army Air Forces Convalescent Training Program; its contribution to the medicine of tomorrow. South. M. J., 1945, 38: 12–6.

CONVALESCENT company.

See also **Rehabilitation; Replacement depot.**

BÖHM, M. Die Genesungs-Kompagnie; eine Anleitung zum Dienst in der Genesungs-Kompagnie der Ersatz-Truppenteile und in der Leichtkranken-Abteilung der Lazarette. 32p. 12° Berl., 1915.

CONVALESCENT depot.

See also **Replacement depot.**

Briggs, T. F. The organisation of a convalescent depot. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 75–7, ch.—**Kersley, G. D.** The convalescent depot overseas. J. R. Army M. Corps, 1945, 84: 36–8.—**Medicines** for Army convalescent homes. Pharm. J., Lond., 1940, 91: 183.—**Military** convalescent homes. S. Afr. M. J., 1940, 14: 361.—**Neu, H. N., & Urban, F. K.** Convalescence and rehabilitation in a general hospital in the tropics. Mil. Surgeon, 1945, 96: 377–85.—**Sandiland, E. L.** The army convalescent depot in this war up to date. J. R. Army M. Corps, 1942, 78: 153–62.—**Vandermeiren, H.** Considérations au sujet des dépôts de convalescents anglais. Arch. Serv. san. Armée belge, 1947, 100: 33–7.—**Zigan, A.** [Military convalescent camps in 1939] Voj. san. glasnik, 1940, 11: 175.

CONVALESCENT hospital.

See **Hospital; Hospital report,** United States.

CONVOY.

See also **Ambulance service; Motorization; Transport; Transport ship; Vehicle; Vessel.**

Troup, W. D. G. Arctic convoy. In: Interallied Conf. War Med. (1942–45) 1947, 361–3.—**Van Auken, H. A.** Motor convoys. In: Prev. Med. in World War II, Wash., 1948, 4: pt 2, 116.—**Wilkins, R. D.** Convoy rescue ships. J. R. Nav. M. Serv., 1944, 30: 65–9.

COOK book.

GERMANY. LUFTWAFFE [Luftwaffen-Druckvorschrift] L. Dv. 86a: Kleines Feldkochbuch für behelfsmässiges Kochen. 48p. 14½cm. Berl., 1942.

—— [Luftwaffen-Druckvorschrift] L. Dv. 86c: Zubereitung der Startverpflegung. 32p. 15cm. Berl., 1943.

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 86: Feldkochbuch. 124p. 15cm. Berl., 1941.

UNITED STATES. NAVY DEPARTMENT. BUREAU OF SUPPLIES AND ACCOUNTS. The cook book of the United States Navy. Rev. 1944. 430p. 27½cm. Wash., 1944.

Ziegelmayer, W. Das Feldkochbuch für warme Länder. Zbl. ges. Hyg., 1943, 51: 179 (Abstr.)

COOKING.

See also **Kitchen; Nutrition service.**

EAKIN, R. E., & GERRARD, E. Vitamin content of naval flight rations as affected by their method of cooking. 7 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X-169, U. S. Nav. M. Res. Inst.

UNITED STATES. WAR DEPARTMENT. Technical manual TM 10–405: The army cook. 259p. 21½cm. Wash., 1942.

Belikov, L., & Lobanov, D. Kulinariia voiskovaia. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 273–81.—**Walsh, E.** Spray-proof field cookhouse. J. R. Army M. Corps, 1942, 79: 152–5.

COOLER.

See **Ambulance,** Equipment; **Refrigerator.**

COORDINATION test.

See under **Aviator,** Fitness tests.

COPILOT.

See as subheading of **Aviator.**

CORONARY sclerosis—by specific types.

See under **Disease.**

CORPS.

See also **Division;** also **Army;** also **Medical organization; Medical service; Unit.** For service branch corps see **Air Force; Chemical Corps; Dental Corps; Medical Corps; Nurse Corps; Sanitary Corps; Signal Corps; Specialist Corps; Veterinary Corps.**

Gildenskiold, S. Korpusnoi medicinskii punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 66.—**Maslinkovsky, T.** Korpus. Ibid., 56–61. ——— Korpusnoi vrach. Ibid., 61–6.—**Sieur, C.** Six mois de direction du Service de Santé du XX^e^ corps d'armée. Rev. serv. san. mil., Par., 1937, 106: 313–406, 2 map.

CORRECTION of vision.

See under **Vision.**

CORREGIDOR.

See under **World War II.**

CORRESPONDENCE.

See **Administration; Prisoner of war,** Correspondence.

CORROSIVE dispenser.

See under **Equipment.**

COSTA Rica.

For references see under **Medical organization.**

COTTON'S pneumodynamic suit.

See **Clothing,** Air Force.

COUNSELING.

See also **Psychological service.**

Willermann, B., & Pascal, G. R. Exploration in quantification of reactions in group counseling. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 158–79.

COUNTER.

See under **Atomic energy.**

COUNTERINTELLIGENCE.

See **Intelligence; Security.**

COUNTERPROPAGANDA.

See under **Psychological warfare.**

COURAGE.

See also **Fear;** also **Combat,** Psychological effect; **Morale.**

WILSON, C. M. [LORD MORAN] The anatomy of courage. 216p. 19cm. Lond., 1945.

Adler, A. Die Erziehung zum Mut. Internat. Zschr. Individpsychol., Wien, 1927, **5:** 324–6.—**Benon, R.** Asthénie et courage. Bull. méd., Par., 1940, **54:** 61.—**Birnbaum, F.** Was is Mut? Internat. Zschr. Individpsychol., Wien, 1948, **17:** 14–9.—**Bouquiaux.** Quelques notions sur le courage et l'hyperémotivité en temps de guerre d'après la psychologie moderne française. Arch. méd. belg., 1930, **83:** 1–5.—**Espíndola, A. S.** Las fuerzas morales son las que en definitiva conquistan la victoria; el valor. Rev. mil., B. Air., 1948, **48:** 1465–74.—**Mendonça Castro.** Coragem. Impr. méd., Rio, 1943, **18:** No. 354, 121–5.—**Shaffer, L. F.** Fear and courage in aerial combat. J. Consult. Psychol., 1947, **11:** 137–43.

COURT-MARTIAL.

See also **Criminal; Discipline; Forensic medicine; Prison; Prisoner;** etc.

UNITED STATES. WAR DEPARTMENT. Technical bulletin, TB MED 201: Psychiatric testimony before courts martial. 10p. 26½cm. Wash., 1945.

[WEBSTER, W.] DEFENDANT. Charges and specifications with copy of orders, and defence of accused, read before a court martial convened in the city of New York, December 10, 1863. 25p. 20½cm. N. Y., 1863.

Armstrong, W. P., jr. Protection of the accused's rights in courts-martial. Current Leg. Thought, 1943–44, **10:** 407–11.—**Browne, A. R.** The practical side of court-martial trials. Mil. Rev., Fort Leavenw., 1942–43, **22:** No. 87, 40–2.—**Courts-martial** and the medical officer. Bull. Army M. Dir., Lond., 1941, No. 5, 2.—**Johnston, W. C. B., & Otness, H. R.** A study of 200 violators of general court-martial probation. U. S. Nav. M. Bull., 1948, **48:** 81–92.—**Kass, W.** The role of the psychological laboratory in the pre-court-martial screening of military personnel charged with violations of the articles of war at McCloskey General Hospital. Mil. Surgeon, 1946, **98:** 156.—**Psychiatric** testimony before courts-martial. Am. J. Psychiat., 1945–46, **102:** 445–53.

COVENTRY.

See under **World War II.**

CRANIUM.

See **Injury**—by organs and regions.

CRETE.

See under **World War II.**

CREW.

See **Aircrew; Flying personnel; Troops.**

CRIMEA.

See under **World War I.**

CRIMEAN WAR (1854–1857)

See **Wars and campaigns.**

CRIMINAL.

See also **Discipline; War criminal.**

Bandeira de Melo, N. Aptidão para o serviço militar e responsabilidade penal. Rev. méd. cir. Brasil, 1944, **52:** 549–54.—**Betts, G. L.** The detection of incipient Army criminals.—Science, 1947, **106:** 93–6.—**Cain, L. F. & Richmond, M. S.** The success and failure of 926 naval offenders. J. Crim.. Chic., 1946–47, **37:** 390–407.—**Fribourg-Blanc, A.** La responsabilité pénale dans les rapports avec l'aptitude au service militaire. Arch. med. leg. ident., Rio, 1938, No. 15, 265–7.—**Gough, W.** The service delinquent. J. R. Nav. M. Serv., 1945, **31:** 8–18.—**Hakeem, M.** Service in the Armed Forces and criminality. J. Crim., Chic., 1946–47, **37:** 120–31.—**Johnston, W. C. B., & Otness, R. R.** A study of 200 violators of general court-martial probation. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 171–8.—**Locke, B., & Cornsweet, A. C.** The naval personal inventory and the naval offender. Ibid., 138–43. ——— [et al.] Study of 1,063 naval offenders. Ibid., 152–9.—**McKerchar, R. M.** Handling members of the armed services in civil courts. Tr. Nat. Safety Counc., 1942, 31. Congr., **2:** 32–4. **Monroe, D. G.** When a soldier breaks the law. J. Crim., Chic., 1942–43, **33:** 245–54.—**Nelken, J.** Alkohol i przestępstwa w wojsku podczas wojny. Lek. wojsk., 1920, **1:** No. 21, 9–18.—**Otness, H. R., & Stouffer, G. A. W.,** jr. The naval offender. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 134–7.—**Rudolf, G. D.** Reaction to military life and criminal behaviour. In: Mental Abnorm. & Crime, Lond., 1944, 240–68.—**Williams, F. E.** Delinquency. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10:** 131–8.

——— Psychopathology.

See also **Neuropsychiatric examination; Neuropsychiatric injury; Neurotic; Psychopath; Psychotic; War neurosis; War psychosis.**

Boshes, L. D. Psychiatry of the naval offender. Hosp. Corps Q., 1946, **19:** No. 4, 1–5. ——— Psychiatric evaluation of the naval delinquent. U. S. Nav. M. Bull., 1947, **47:** 458–72. Also in: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 144–51.—**Lagrone, C. W.,** jr. Interrelationships among developmental characteristics of 500 military delinquents. J. Clin. Psychol., 1947, **3:** 330–41.—**Mason, I.** An index of the severity of criminalism or psychopathy. Bull. U. S. Army M. Dep., 1944, No. 75, 110–4.—**Nordmann, C., & Bonhomme, J.** De l'utilisation des indisciplinés en temps de guerre. J. psychol. norm. path., Par., 1915–17, **12:** 427.—**Psychiatrist** (The) and the forgetful soldier. Brit. M. J., 1942, **1:** 94.—**Sacerdote, A.** Un delinquente-nato dinnanzi al tribunale di guerra. Arch. antrop. crim., Tor., 1917, **38:** 130–3.—**Schneider, J. N., LaGrone, C. W.,** jr [et al.] Prediction of behavior of civilian delinquents in the armed forces. Ment. Hyg., Alb., 1944, **28:** 456–75.—**Stearns, A. W.** Defective delinquents and criminals in the military service. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7:** pt 1, 56–9.—**Tanaka, T.** On psychiatric judgment of punished soldiers, accompanied by psychiatric investigation of soldiers under surveillance. Med. Targets, 1945, No. M–AB, 135. ——— On psychiatric judgment of criminal soldiers, especially viewed from medical standpoint for prevention of crime. Ibid., 136.

CROSSING.

See under **River crossing.**

CROUCH position.

See under **Acceleration,** Tolerance.

CRUISER.

See also **Navy; Vessel;** also **Casualty,** naval.

RUGE, H. Das Verhalten der Lufttemperatur und Luftfeuchtigkeit auf einem modernen Kreuzer in den Tropen; ein Beitrag zur Frage der praktischen Brauchbarkeit von Schwülekurven. 100p. 8° Berl., 1932.

Forms H. 22, Veröff. Marine-San. wes.

Blaustein, G. Kreiser. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 96.—**Brumbaugh, D. H., & MacArt, J. H.** Care of wounded in a light cruiser. Hosp. Corps Q., 1945, **18:** 70–4.—**Ruge, H.** Das Verhalten der Lufttemperatur und Luftfeuchtigkeit auf einem modernen Kreuzer in den Tropen. Arch. Hyg., Münch., 1932, **108:** 251–79.—**Simons, M. H.** Some medical and sanitary questions met in every day life on a cruising ship of the Navy. J. Ass. Mil. Surgeons, 1906, **19:** 556–63.

CRUSADES (1096–1291)

See under **Wars and campaigns.**

CRUSH.

See **Injury,** Crush.

CRUTCH walking.

See also **Fracture; Prosthesis.**

Deaver, G. Crutch walking. Treatm. Serv. Bull., Ottawa, 1946, **1:** 7.—**Gingras, G., & Whalley, G.** A new metal folding adjustable crutch. Ibid., 1948, **3:** No. 4, 40.—**Ogurcov, V. M.**

[Training of the support function with block-suspended apparatus in the treatment of wounded during the period of walking on crutches] Voen. med. J., Moskva, 1944, 37–44.—**Quéry.** A propos de l'emploi prolongé des béquilles et des cannes chez les convalescents et les blessés de guerre. Rev. path. comp., Par., 1915, **15**: 267.—**Stocksmeier, H.** Die Ringkrücke; eine neue Art von Armstützen für Beinamputierte. Deut. Militärarzt, 1942, **7**: 460–2. Also Bull. War M., Lond., 1942–43, **3**: 387 (Abstr.)

CUBA.

For references to this country see the following headings in the Military Section: **Army; Dental service; Dentistry; Hospital report; Medical Corps; Medical examination; Medical organization; Medical service; Morbidity; Naval medical service; Ration; Surgery; Venereal disease; Veterinary Corps; Veterinary service.**

CUBAN revolution (1895)

See under **Wars and campaigns.**

CULTURE of bacteria.

See **Bacteriology,** Methods.

CYANOGEN [incl. cyan derivatives]

See also **Disinsection; Gas poisoning; Gas warfare; Insecticide.**

Ferguson, R. L., Ginzler, A. M. [et al.] Residual lesions of the central nervous system in cyanide poisoned animals. 12p. 27cm. Edgewood Arsenal, 1945.

Forms Rep. No. 39, Med. Div. Chem. Warfare Serv. U. S. Army.

Ginzler, A. M., Bodansky, O. [et al.] The pathology of CK by inhalation. 16p. 27cm. Edgewood Arsenal, 1945.

Forms Rep. No. 34, Med. Div. Chem. Warfare Serv. U. S. Army.

Leitch, J. L., & Bauer, V. E. Oral toxicity of cyanogen chloride in water to rats. 10 l. 22cm. Edgewood Arsenal, 1945.

Forms Rep. No. 19, Med. Div. Chem. Warf. Serv. U. S. Army.

Tatum, H. J., & Ginzler, A. M. Effects of increased intratracheal pressure in normal and CG poisoned dogs. 10p. 27cm. Edgewood Arsenal, 1945.

Forms Rep. No. 30, Med. Div. Chem. Warfare Serv. U. S. Army.

Tatum, H. J., & Himmelfarb, S. A comparison of the effect of breathing air and 100% oxygen under atmospheric and increased pressure upon the arterial oxygen saturation of CG gassed dogs. 11p. 27cm. Edgewood Arsenal, 1945.

Forms Rep. No. 53, Med. Div. Chem. Warfare Serv. U. S. Army.

Alonzo, P. Note di tecnica della cianidrizzazione. Ann. med. nav., Roma, 1943, **49**: 366–84.—**Glebovich, A.** Sinil'naia kislota. In: Enciкl. slovar voen. med., Moskva, 1946–48, **5**: 117–21.—**Horton, R. G.** The susceptibility of rabbits to cyanide as an example of detoxication studies. Sympos. Mil. Physiol., Wash., 1947, 297.—**Scholz.** The effect of hydrocyanic acid. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 286.—**Spezzaferri, A.** Contributo allo studio delle disinfestazioni gassose mediante acido cianidrico; un nuovo apparecchio per la disinfestazione cianidrica in guerra. Ann. igiene, 1941, **51**: 609–23.

CYCLOTRON.

See under **Atomic energy,** Reactor.

CZECH brigade.

See under **World War I.**

CZECHOSLOVAKIA.

For references to this country see the following terms in Military Section: **Hospital report; Medical examination; Medical organization; Medical service; Pharmaceutical service; Recruiting; Surgery; Tuberculosis; Venereal disease; Veterinary service; World War I; World War II.**

DAIRY product.

See also **Ration.**

Amaral Rogick, F. O queijo e a manteiga na alimentação do soldado. Rev. mil. remonta vet., Rio, 1943–44, **6**: No. 44, 73–88.—**Isker, R. A.** Milk and dairy products essential in Army dietary. Certif. Milk, 1943, **18**: No. 211, 5. ——— Dairy products in the Army ration. Mil. Surgeon, 1945, **97**: 277–82.—**Randall, R.** The laboratory examination of milk and dairy products as conducted by the Army Medical Department. Ibid., **96**: 308–10.

DAKAR.

See under **World War II.**

DAMAGE.

See **War damage.**

DARDANELLES.

See under **World War I.**

DARK adaptation.

See under **Night vision;** also **Aircraft,** Illumination.

DAVISSON ambulance.

See under **Ambulance,** sleigh.

DAZZLE.

See also **Glare.**

Livingston. Effect on aircraft crews of dazzle by searchlights directed at aircraft. Gr. Britain Flying Pers. Res. Com., 1941, No. 359, 1.—**Stiles.** Laboratory experiments on dazzle flashes. Ibid., 1942, No. 434, 6.

D D T.

See also **Disinfestation; Insecticide.**

Craig, R., & Hoskins, W. M. The preparation and use of radioactive dibromo diphenyl trichloroethane. 9p. 28cm. [Wash.?] 1945.

Forms No. 169, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Stage, H. H., & Muesebeck, C. F. W. Insects killed by DDT aerial spraying in Panama. 8p. 28cm. Wash., 1945.

Forms No. 108, Rep. Insect Contr. Com. U. S. Nat. Res. Counc.

United States. Navy. Bureau of Medicine and Surgery. Division of Preventive Medicine. Manual on DDT insecticide. 17p. 26cm. Wash., 1944.

United States. War Department. Technical bulletin TB MED 14: Use of DDT as a mosquito larvicide. 4p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 194: DDT insecticides and their uses. 32p. 26cm. Wash., 1945.

Bishopp, F. C. Insect problems in World War II with special references to the insecticide DDT. Am. J. Pub. Health, 1945, **35**: 373–8.—**Brother, G. M., & Angley, J. C.** DDT field utilization plan. Air Surgeon Bull., 1945, **2**: 54.—**Burgess, B. F., jr.** Surface film studies in DDT-oil larvicides. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 60.—**Dews, S. C., & Morrill, A. W., jr.** DDT for insect control at Army installations in the Fourth Service Command. J. Econom. Entom., 1946, **39**: 347–55.—**Fluno, H. J., & Rodriguez-Torrent, R.** Development of a DDT-chlordane emulsion concentrate. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 4.—**Harrison, L. J.** The use of D. D. T. for domestic purposes. J. R. Army M. Corps, 1946, **86**: 276.—**Kelsey, D., Rodrigues-Torrent, R., & Ihndris, R. W.** Development of DDT-airplane sprays and emulsion concentrates. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 2.—**Logue, J. B., & O'Connell, H. V.** DDT; practicality of use during invasion. U. S. Nav. M. Bull., 1945, **44**: 877–82.—**McPeak, D. H.** DDT spraying experiments in the field. Air Surgeon Bull., 1945, **2**: 74–6.—**Meuli.** Krieg und Krankheit. Vjschr. schweiz. Sanitätsoff.,

1949, **26:** 105.—**Schreuder, O. B., & Sullivan, W. N.** Spraying of DDT from airplanes. Air Surgeon Bull., 1945, **2:** 67.—**Stocking, G. W., & Medley, T. S.** DDT sprayers. Bull. U. S. Army M. Dep., 1947, **7:** 650–4.—**Use** of DDT as insecticide to kill adult mosquitoes. Ibid., 1945, **4:** 320.

—— Mode of action.

Barron, E. S. G., & Hill, D. L. The effect of DDT on the tissue metabolism of rats and the metabolism of insects. 7p. 28cm. Wash., 1945.
Forms No. 99, Rep. Insect Contr. Com. U. S. Nat. Res. Counc.

Bodenstein, D. The locus of action of DDT in flies (Drosophila) 13p. 19½cm. Edgewood Arsenal, 1945.
Forms No. 32, Rep. Med. Div. Chem. Warf. Serv. U. S. Army.

Ormsbee, R. A. The mechanism of action of DDT. 20p. 28cm. Wash., 1945.
Forms No. 149, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Philips, F. S. A review of the biological properties and insecticidal applications of DDT. 31p. 27cm. Edgewood Arsenal, 1944.
Forms No. 13, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Riker, W. F. jr, & Huebner, V. R. The effect of DDT on metabolism. 4p. 28cm. [Wash.?] 1945.
Forms No. 91, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Roeder, K. D., & Weiant, E. A. The physiological action of DDT in the cockroach. 13p. 28cm. [Wash.?] 1945.
Forms No. 142, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Welsh, J. H., Gordon, H. T. [et al.] The mode of action of insecticides, especially DDT. 33p. 28cm. Wash., 1945.
Forms No. 175, Rep. Insect Contr. Com. U. S. Nat. Res. Counc.

Insecticide spray DDT, residual effect. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 2, 61–3.—**Investigations** on the relationship between the physical state and insecticidal action of DDT and other synthetic insecticides when applied on solid and liquid surfaces. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 72–4.—**McDuffie, W. C.** Resistance of house flies to DDT. Ibid., 82–4.

—— Poisoning.

Bing, R. J., McNamara, B. P., & Hopkins, F. H. Studies on the chronic toxicity of DDT in the dog. 13p. 27cm. Edgewood Arsenal, 1946.
Forms No. 58, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Crescitelli, F., & Gilman, A. Electrical manifestations of the cerebellum and cerebral cortex following DDT administration in cats and monkeys. 55p. 27cm. Edgewood Arsenal, 1946.
Forms No. 86, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Haymaker, W., Ginzler, A. M. [et al.] The toxic effects of prolonged ingestion of DDT on dogs, with special reference to lesions in the brain. 11p. 27cm. Edgewood Arsenal, 1946.
Forms No. 79, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Philips, F. S., & Gilman, A. Z. Studies on the pharmacology of DDT (2,2 bisparachlorophenyl-1,1,1 trichloroethane) the acute toxicity of DDT following intravenous injection in mammals. 12p. 27cm. Edgewood Arsenal, 1945.
Forms No. 50, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

—— & Crescitelli, F. N. Studies on the pharmacology of DDT (2,2 bisparachlorophenyl-1,1,1 trichloroethane) the sensitization of the myocardium to sympathetic stimulation during acute DDT intoxication. 15p. 27cm. Edgewood Arsenal, 1945.
Forms No. 51, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Philips, F. S., Gilman, A. Z., & St. John, E. Studies on the pharmacology of DDT (2,2 bisparachlorophenyl-1,1,1 trichloroethane) the treatment of acute DDT intoxication in experimental animals. 15p. 27cm. Edgewood Arsenal, 1945.
Forms No. 52, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Stammers, F. M. G., & Whitfield, F. G. S. The toxicity of DDT to man and animals; a report on the work carried out at the Royal Naval School of Tropical Hygiene, Colombo, and a review of the world literature to January 1947. p. 1–73. 25½cm. Lond., 1947.
In Bull. Entom. Res., Lond., 1947–48, **38:**

Angley, J. C. Toxicity of DDT in kerosene. Air Surgeon Bull., 1945, **2:** 77.—**DDT** a safe insecticide. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 80.—**Ormsbee, R. A.** The toxicology and mechanism of action of DDT in mammals. In: Advance. Mil. Med., Bost., 1948, **2:** 632–5.

DEAD.

See also **Casualty; Death;** also such terms as **Anoxia,** fatal; **Mortality,** etc.

Avdeev, M. Trup (cadaver) In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 558–62.—**Delgado Roig, J.** Normas puestas en práctica en la exhumación e identificación de cadáveres víctimas de los rojos en la guerra de España. Rev. españ. med. cir. guerra, 1939, **2:** 317–25, illust.—**Identification** and care of the dead in crashes. Air Surgeon Bull., 1945, **2:** 26–9.—**Identification** of World War II dead. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5:** No. 2, 47–52.—**Macleod, W.** The massacre of the Ardeatine Caves; identification of the dead. J. R. Army M. Corps, 1946, **87:** 10–24.

DEAF.

See also **Aerootitis; Deafness; Ear; Hearing aid;** etc.

Cornell, C. B. Psychologic approach to hard of hearing patients. U. S. Armed Forces M. J., 1950, **1:** 203.—**Mett, A. I.** Rannee obuchenie oglokhshikh ucheniiu s gub v usloviiakh hospitalnogo rezhima. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 16–8.—**Undric, V.** Tugoukhost (surditas incompleta) In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 593–7.

—— Rehabilitation.

See also **Blind,** Rehabilitation; **Hearing aid; Rehabilitation.**

United States. War Department. Technical bulletin TB MED 195: The Army's aural rehabilitation program for the deafened. 4p. 26cm. Wash., 1945.

Adams, E. L. Adjustment of the hard-of-hearing after leaving the service. U. S. Nav. M. Bull., 1946, Suppl., 249–52.—**Army's** (The) aural rehabilitation program for the deafened. War Dep. Techn. Bull., 1945, No. 195, 1–4.—**Barton, W. E.** Progress report on the Army's program for rehabilitation of the deafened. Hearing News, Wash., 1944, **12:** No. 6, 7–14.—**Berry, G.** The rehabilitation of the war-deafened; historical and veterans' aspects. Laryngoscope, 1944, **54:** 482–8. Also Tr. Am. Otol. Soc., 1944, **33:** 220–7. ——— **Lederer, F. L.** [et al.] Symposium; the rehabilitation of the war-deafened. Laryngoscope, 1944, **54:** 482–510. Also Tr. Am. Otol. Soc., 1944, **33:** 220–56. Also Arch. Otolar., Chic., 1945, **41:** 386–9.—**Bluett, C. G.** Vocational rehabilitation of the deaf and hard-of-hearing ex-serviceman. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 549–66.—**Bordley, J. E.** Aural rehabilitation for veterans. Hearing News, Wash., 1947, **15:** No. 12, 6–8 &c.—**Butt, A. J.** The veteran returns. Volta Rev., 1944, **46:** 281, &c.—**Dickson, E. D. D.** Rehabilitation of deafened service personnel. J. Lar. Otol., Lond., 1946, **61:** 520–5.—**Doctor, P. V.** The rehabilitation of military aural casualties. Am. Ann. Deaf, 1945, **90:** 99–120.—**Ewing, I. R., & Ewing, A. W. G.** Treatment for Britain's war-deafened. Occup. Ther. Rehabil., 1945, **24:** 88–90.—**Hunt, F.** Aiding service men. Hearing News, Wash., 1943, **11:** No. 7, 1.—**Jostes, F. A.** The Navy's program for rehabilitation of the war deafened. Ibid., 1944, **12:** No. 7, 3, &c.—**Koepp-Baker, H.** The philosophy of and general approach to hearing rehabilitation. U. S. Nav. M. Bull., 1946, Suppl., 191–3. ——— Physical facilities and equipment for the rehabilitation of hearing. Ibid., 210–5.—**Lederer, F. L.** The rehabilitation program of the Navy; aural

casualties. Laryngoscope, 1944, **54**: 489–96. ——— The rehabilitation of the war-deafened; the rehabilitation program of the Navy; aural casualties. Tr. Am. Otol., Soc., 1944, **33**: 228–37. ——— Hearing and speech rehabilitation; the history and development of the program. U. S. Nav. M. Bull., 1946, Suppl., 183–90. ——— **Harkins, W. B., & Hardy, W. G.** Processing aural rehabilitees; coordination of medical and nonmedical services. Ibid., 202–9.—**Lierle, D. M.** The rehabilitation of the war-deafened; the civilian program of the American Academy of Ophthalmology and Otolaryngology. Tr. Am. Otol. Soc., 1944, **33**: 238–56.—**McCalmont, P.** Helping the hard of hearing soldier at Deshon. Hearing News, Wash., 1944, **12**: No. 7, 10–4.—**McEachern, D. S.** Rehabilitation of war personnel subjected to aural trauma. Canad. M. Ass. J., 1945, **53**: 421–5.—**McIntire, R. T.** Program for the deaf. Mil. Surgeon, 1947, **100**: 207–12.—**Mobley, M. R.** The Army's plan for rehabilitation of deafened soldiers. Arch. Otolar., Chic., 1944, **40**: 423–7.—**Poos, E. E.** The war deafened and their rehabilitation. Eye Ear &c. Month., 1945, **24**: 329–31.—**Stovel, L.** War damaged ears. Pub. Health Nurs., 1943, **35**: 379–82.—**Truex, E. H.**, jr. The rehabilitation of the war-deafened; hearing rehabilitation at Deshon General Hospital. Tr. Am. Otol. Soc., 1944, **33**: 238–47.—**Work, W. P.** Aural rehabilitation; Army experience. Laryngoscope, 1947, **57**: 423–43.

DEAFNESS.

See also **Deaf; Ear; Malingering; Noise.**

Harbert, F. Functional and simulated deafness. U. S. Nav. M. Bull., 1943, **41**: 458; 717.—**Howard, J. C.**, jr. Auditory impairment caused by drugs. Ibid., 1946, **46**: 387–91.—**Hurst, A. F.** Hysterical deafness. In his Med. Dis. War, 3. ed., Lond., 1943, 79–90.—**Ioffe, F. I.** [Deaf-mutism of wartime and its treatment] Nevropat. psikhiat., 1943, **12**: No. 5, 39–41.—**Lurie, M. H.** War and deafness. Connecticut M. J., 1943, **7**: 763–5.—**Paulian, D., & Chiliman, M.** Praktischer Beitrag zur Klinik der Kriegsverletzten. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 86 (Abstr.)—**Weiss, J. A.** Deafness due to noises of warfare. U. S. Nav. M. Bull., 1946, **46**: 381–6.

DEATH.

See also **Anoxia; Cold exposure,** Immersion in water; **Dead; Mortality; Veteran,** Death.

Death in war time. J. Ind. M. Ass., 1942–43, **12**: 192.—**Deaths** and resulting duties. In: Manual M. Dep. U. S. Navy, Wash., 1942, 365–96.—**Deaths** occurring on shore stations other than at naval hospitals; procedures for reporting, care, and disposition of remains. Hosp. Corps Q., 1943, **16**: No. 3, 279–82.—**Mort** (La) et le Chef d'armée; dessin de Garofalini. Aesculape, Par., 1938, **28**: 251.—**Occupational** distribution, non-combat deaths, World War II. Statist. Navy M., 1948, **4**: No. 11, 6–10.—**Presumption** of order of death. Med. Leg. Crim. Rev., Lond., 1942, **10**: 180 (Abstr.)—**Slot, G., Mitchell, C. A., & Kitchin, D. H.** Who died first? Ibid., 185.

—— Air raid.

See also **Air raid.**

Gräff, S. Tod im Luftangriff; Ergebnisse pathologisch-anatomischer Untersuchungen anlässlich der Angriffe auf Hamburg in den Jahren 1943–45. 212p. 20½cm. Hamb., 1948.

Civilian deaths from air bombardment. Statist. Bull. Metrop. Life Insur., 1946, **27**: No. 7, 1–4.—**Hammond, T. E.** Shock in air-raid casualties. Brit. M. J., 1940, **2**: 534.—**Hitchcock, S. V., & Watkins, J. H.** Civilian deaths from air attacks. In: Effect of Bomb. Germany (U. S. Strateg. Bomb. Surv.) Wash., 1945, 6–13. ——— The bombing experience and mortality from air attacks on 13 German cities. Ibid., 2. ed., Wash., 1947, 9.—**Wiethold, F.** Ueber den gewaltsamen Tod infolge von Luftangriffen. Deut. med. Wschr., 1943, **69**: 859.

—— sudden.

Blanke, K. F. Ueber plötzlichen Tod im kalten Bade; unter besonderer Berücksichtigung des plötzlichen Allergietodes. Deut. Militärarzt, 1942, **7**: 735–8.—**Boemke, F.** Der plötzliche Tod aus natürlicher Ursache bei Soldaten während des vergangenen Krieges. Frankf. Zschr. Path., 1947, **59**: 104–42. ——— Cases of sudden death in troops. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 269–71.—**Deaths** from coronary thrombosis or pulmonary embolism. Bull. Army M. Dep., Lond., 1944, No. 31, 3.—**Hallermann, W.** Plötzlicher Tod und WDB. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 363–74.—**Lauche, A.** Plötzlicher Tod aus natürlicher Ursache bei Soldaten. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 623–9.—**Moritz, A. R., & Zamcheck, N.** Sudden and unexpected deaths of young soldiers; diseases responsible for such deaths during World War II. Arch. Path., Chic., 1946, **42**: 459–94.—**Orsós, F.** Sudden turning of the head as a cause of sudden death in flyers. Bull. War M., Lond., 1941–42, **2**: 521 (Abstr.)

DECELERATION.

See also **Acceleration,** negative.

McDonald, R. K., Kelley, V. C., & Kaye, R. Etiology of pulmonary hemorrhage in cats exposed to abrupt deceleration. J. Aviat. M., 1948, **19**: 138–45.—**Rushmer, R. F.** The changes in pressure in the peritoneal cavity produced by sudden deceleration of experimental animals. Ibid., 1947, **18**: 199–206. ——— **Green, E. L., & Kingsley, H. D.** Internal injuries produced by abrupt deceleration of experimental animals. Ibid., 1946, **17**: 511–25.

DECOMPRESSION sickness.

See **Aircraft,** Altitude cabin; **Altitude** subheadings (Aeroembolism; Decompression) **Diver.**

DECONTAMINATION.

See also **Atomic warfare,** Defense; **Chemical warfare; Gas detection.**

Box María-Cospedal, A. Defensa en caso de guerra química; gases de combate; deszootización; hidro-depuración. 174p. 22½cm. Madr., 1940.

Germany. Oberkommando des Heeres. [Heeres-Druckvorschrift] H. Dv. 395/11b: Gasabwehrdienst aller Waffen. H. 11b: Entgiftcn, vom 15. 1. 43. 52p. 14½cm. Berl., 1943.

United States. Library of Congress. Reference Department. A check list, civilian defense collection, sect. D, subsect. 5: Chemical warfare, decontamination. 17 l. 26½cm. Wash., 1943.

United States. Office of Civilian Defense. A handbook for decontamination squads. 62p. 19cm. Wash., 1941.

Allchurch, S. Decontamination. J. R. San. Inst., 1938–39, **59**: 334–43, Disc., 344–8.—**Boberg, M.** [Chemie der Kampfstoffe; Entgiftung] Upsala läk. fören. förh., 1938–39, **44**: bil., 13.—**Dalton, J. L.** Chemical warfare training; practical demonstration in decontamination. Chem. Warf. Bull., 1939, **25**: 54–62.—**Decontamination.** Lancet, Lond., 1941, **1**: 53.—**Dmitriev, I.** Degazacia. In: Bolsh. med. encikl., 1929, **8**: 495–500.—**Meredith, R. H.** Medical aspects of chemical warfare; decontamination. Med. Ann. District of Columbia, 1943, **12**: 51–4.—**Predtechensky, B., & Maksimenko, S.** Degazaciia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 331–47.—**Themme, F.** Die Gasabwehr in der Nachkriegszeit; Gasspüren und Entgiften. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 532–49.

—— Equipment and material.

Germany. Luftwaffe [Luftwaffen-Druckvorschrift] L. Dv. 782: Vorschrift für das Lagern und die Pflege des Gasabwehrgerätes des Sicherheits- und Hilfsdienstes. Teil 4: Lagern von Entgiftungsstoff. 7p. 18cm. Biechtach, 1938.

United States. War Department. Technical manual, TM 3–220: Chemical decontamination materials and equipment. 44p. 23cm. Wash., 1942.

——— Technical manual, TM 3–221: Decontaminating apparatus M3A1. 210p. 22cm. Wash., 1943.

Waitt, A. H. Bleach mixtures for decontamination. In his Gas Warfare, N. Y., 1942, 314.—**Wilkerson, B.** Meet the M3A1; operation of power-driven decontaminating apparatus requires detailed knowledge of machine and procedure. Chem. Warf. Bull., 1943–44, **29**: 80, &c.

—— personal.

See also **Gas poisoning,** First aid.

Dawes, F. G. Marking clothing of gas casualties. Brit. M. J., 1942, **1**: Suppl., 30.—**Ottley, L. J.** The decontamination of injured gas casualty cases. Australas. Nurs. J., 1942, **40**: 19.—**Prevention** and decontamination of mustard gas and lewisite casualties by use of S–461 ointment and BAL ointment [form letter] Bumed News Lett., Wash., 1943, **2**: 20–4.—**Snegireff, L. S.** Planning of a program for personal decontamination, a challenge to local health officials. Pub. Health News, Trenton, 1942–43, **26**: 87–90.

—— of buildings and streets.

Street washing for removing poison gas (London) J. Am. M. Ass., 1936, **107**: 2141.—**Williams, D.** Decontamination of buildings. J. R. San. Inst., 1940–41, **61**: 167–70.

—— of clothing, equipment, and material.

Fielding, G. H., Johnson, J. E., & Krynitsky, J. A. Decontamination of landing craft at San Jose Island. v. 1 [117] l. 28cm. Wash., 1946.
Forms No. P-2914, Rep. U. S. Nav. Res. Laborat.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 395/11c: Gasabwehrdienst aller Waffen. H. 11c: Entgiften von Bekleidung und Ausrüstung in ortsfesten Anlagen, vom 1. 1. 43. 64p. 15cm. Berl., 1943.

Great Britain. Home Office. Air Raid Precautions Department. Air raid precautions handbook No. 4A: Decontamination of clothing, including oilskin anti-gas clothing and equipment, from blister gases. 32p. 16½cm. Lond., 1939.

Great Britain. Ministry of Home Security. Air raid precautions handbook No. 4: Decontamination of materials. 2. ed. 63p. 16½cm. Lond., 1942.

Rabinowitch, I. M. Decontamination of materials. 78p. 20½cm. Ottawa, 1942.
Rogers, J. A. War gas contaminated clothing and blankets at field installations. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 9, 1–3.—**Tošić, J.** [Degassing of clothing from yperite by means of a steam apparatus] Voj. san. glasnik, 1938, 9: 525–32.

—— of food and water.

Buswell, A. M., Sanchis, J. M., & Hudson, H. E. Treatment by distillation of water contaminated with chemical warfare agents. 62p. 27cm. Edgewood Arsenal, 1944.
Forms No. 16, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Caddick, F. Decontamination of foodstuffs. 15p. 16½cm. Lond., 1941.

Germany. Luftwaffe. [Luftwaffen-Druckvorschrift] L. Dv. 771: Die biologische Prüfung von kampfstoffverdächtigen oder entgifteten Lebens- und Futtermitteln in Veterinär-Untersuchungs-Stellen des Sicherheits- und Hilfsdienstes. 23p. 21cm. Berl., 1939.
Contamination and reclaiming of food. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 17, 20.—**Gemeinhardt.** The poisoning of large supplies of drinking water by chemical warfare agents and the possibility of their removal. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 291; Disc., 292.—**Kroeber.** Decontamination of drinking water from supplies contaminated with chemical warfare agents. Ibid., 291.—**Mace, D. L.** Food supplies and chemical warfare agents; contamination, decontamination and protection. Vet. Bull., Carlisle, 1940, 34: 289–309.—**Perotti, L.** Utilizzazione e distruzione di prodotti alimentari avariati o di quelli inquinati da gas tossici. Atti Conv. lombardo aliment. pop., 1938, 1. Conv., rep. No. 18, 1–8. —— Utilizzazione e produzione di prodotti alimentari avariati o di quelli inquinati da gas tossici. Riv. Soc. ital. igiene, 1938, 60: 91–5.

DECONTAMINATION service.

See also **Gas poisoning** subheadings (First aid; Medical service) **Gas warfare,** Defense.

Great Britain. Home Office. Air Raid Precautions Department. Air raid precautions memorandum No. 3: Organisation of decontamination services. 2. ed. 12p. 24½cm. Lond., 1938.

Rabinowitch, I. M. Organization of decontamination services. 66p. 20½cm. Ottawa, 1942.
Landis, J. M. Decontamination services. J. Am. M. Ass., 1942, 119: 567.

—— Station.

Kalmakov, M. Sanitarno-degazacionnyi punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1386–9.—**Landis, J. M.** Adapting gasoline filling stations for decontamination. J. Am. M. Ass., 1942, 119: 567.—**March** Field decontamination station. Chem. Warf. Bull., 1941, 27: 144.—**Remy, C. E.** Hospital degassing station. Hospitals, 1942, 16: No. 11, 93–106.

DECORATION (and citation)

See also **Award.**

Mead Johnson & Company [Evansville, Ind.] Courage and devotion beyond the call of duty; being a partial record of official citations to medical officers in the United States Armed Forces during World War II. 2. prelim. ed. 1024p. 15½cm. Evansville, 1946.

United States. Navy. Bureau of Naval Personnel. NAVPERS 15,790: Decorations, medals, ribbons, and badges of the United States Navy, Marine Corps, and Coast Guard, 1861–1948. 235p. 27cm. Wash., 1949.

United States. War Department. Office of The Adjutant General of the Army. American decorations; a list of awards of the Congressional Medal of Honor, the Distinguished-Service Cross and the Distinguished-Service Medal awarded under authority of the Congress of the United States, 1862–1926. 845p. 8° Wash., 1927.
Decorated American medical officers. Med. Pocket Q., 1945–46, 26: No. 2, 5–13.—[**Presented** Medal of Honor] Lloyd C. Hawks. Bull. U. S. Army M. Dep., 1945, No. 86, 8.—**Strott, G. G.** The French Army Fourragère in the United States Navy. Hosp. Corps Q., 1943, 16: No. 3, 151–60.—**United States** Army and Navy decorations awarded to dental officers for distinguished service in the World War. Mil. Surgeon, 1940, 87: 381–3.

DEEP-SEA diving.

See **Diver;** also under **Altitude,** Aeroembolism: Prevention.

DEFECT.

See also under such terms as **Aviator,** Defects; **Dental health,** Defects; **Recruit,** Health and disease; also such terms as **Disability; Disabled; Fitness; Medical examination,** etc.
Baier, D. E. The marginally useful soldier. Am. J. Ment. Defic., 1943–44, 48: 62–6.—**Bean, W. B.** The lack of relationship between minor clinical and biochemical abnormalities in healthy soldiers. Proc. Centr. Soc. Clin. Res., 1946, 19: 62.—**Consiglio, P.** La pretesa rieducabilità dei preguidicati militari in guerra. Riv. psicol. appl., 1913, 9: 333–52, pl.—**Jude.** Enfants et soldats anormaux. Caducée, Par., 1912, 12: 61–3.

DEFENSE.

See also **Air defense; Atomic warfare,** Defense; **Bacteriological warfare,** Defense; **Biological warfare,** Defense; **Chemical warfare,** Defense; **Citizens Defense Corps; Civilian defense; Counterattack; Gas warfare,** Defense; **National defense; Preparedness.**

Kernan, W. F. Defense will not win the war. 193p. 20½cm. Bost., 1942.
Axelrod, J. V. [Les 5 jours de l'Institut médical de Voronège, consacrés aux questions de défense sanitaire] Sovet. med., 1939, No. 15, 42.—**Bassi, G., D.** Organización de la defensa antiaérea. Rev. mil., B. Air., 1942, 42: pt 2, 533–41.—**Guillaume, A.** Défense passive. Strasbourg méd., 1939, 99: 9.—**Malinovsky.** Sanitarnoe obespechenie strelkovogo batal'jona v pozicionnoi oborone. Voen. med. J., 1945, No. 7, 54–6.—**Martínez Lorenzo, V.** Defensa antiaérea; normas para el empleo táctico en la defensa de un punto o zona. Ejército, 1942, No. 32, 37–41.—**Norlander, O.** [Measures for quick defense preparedness] Tskr. mil. hälsov., 1940, 65: 1–12.—**Numa Sanchez, A.** Defensa antiaérea pasiva de una base. Rev. mil., B. Air., 1943, 43: pt 2, 373–85.—**Pickert.** Nochmals: Luftschutz eines Armeekorps. Mil. Wbl., Berl., 1936, 121: 874–7.—**Protas, S., & Akodus, J.** Oborona. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1437–43.—**Ramos de Molins, F.** Instalación defensiva de la división orgánica. Rev. san. mil., Madr., 1934, 24: 289–98.—**Scott, T. E.** Defense problems of the Medical Department U. S. Army. Rec. Columbia M. Soc. Richland Co., 1941, 5: No. 7, 5.—**Stroganov, S. N.** [Sanitary-technical defense of the rear lines] Vodosnab. san. tekhn., 1942, 17: 30.

—— radiological.

See **Atomic warfare,** Defense.

DEFERMENT.

See **Medical student; Physician; Selective service.**

DEFICIENCY disease.

See under **Disease** by specific types; also **Malnutrition.**

DEFLASKING.

See under **Denture,** Technic.

DEGASSING.

See **Decontamination; Gas warfare.**

DEHYDRATED food.

See under **Ration.**

DEHYDRATION.

See also **Tropical service,** Physiology.

Jacobs, H. J. Fluid loss in animals. 10p. 26½cm. Dayton, 1947.

Forms No. TSEAA-696-104A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Johnson, C. A. Effects of heat and exercise associated with dehydration on the peripheral circulation. 15 l. 27cm. Dayton, 1943.

Forms No. ENG-49-698-17, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Beach, W. V. Renal colic of dehydration. J. R. Nav. M. Serv., 1943, **29:** 135.

DELINQUENT.

See also **Criminal; Disciplinary barracks; Discipline; Neurotic; Psychopath;** also such terms as **Neuropsychiatric examination; Rejection; Unfit.**

Abrahams, J., & McCorkle, L. W. Group psychotherapy of military offenders. Am. J. Sociol., 1945–46, **51:** 455–64.—**Adler, H. M.** Disciplinary problems of the army. Proc. Nat. Conf. Social Work, 1919, **44:** 644–9.—**Baganz, C. N.** Psychiatric aspects of delinquency in the Navy. J. Crim. Psychopath., 1942–43, **4:** 459–64. Also Dis. Nerv. Syst., 1943, **4:** 82–4.—**Bovet, T.** Zur Psychologie des Diensttrotzes. Schweiz. med. Wschr., 1941, **71:** 722.—**Consiglio, P.** Indagini neuro-psichiatriche su molte centurie di delinquenti militari. Atti Congr. internaz. med. farm. mil., 1923, **2:** 255.—**Curran, D.** Naval crime and punishment. J. R. Nav. M. Serv., 1944, **30:** 182–91.—**Geeraert.** Aptitude et aspect médico-légal des délinquants à l'armée. Ann. belg. méd. mil., 1948, **101:** 143–7.—**Glueck, S., & Glueck, E. T.** Predicting behavior in the Army and Navy. In their Crim. Careers, N. Y., 1943, 276–80.—**Jacoby, A. L.** Disciplinary problems of the Navy. Ment. Hyg., Concord, 1919, **3:** 603–8. ——— Disciplinary problems; methods of procedure in the Navy. Proc. Nat. Conf. Social Work, 1919, **44:** 649–53.—**Johnston, W. C. B., Otness, H. R., & Stouffer, A. W.** jr. A method of psychological screening of naval offenders. Mil. Surgeon, 1945, **97:** 300–6.—**Lagrone, C. W.** Developmental factors in relation to recidivism and non-recidivism among military delinquents. Am. J. Orthopsychiat., 1947, **17:** 241–53.—**Locke, B., & Cornsweet, A. C.** The naval personal inventory and the naval offender. U. S. Nav. M. Bull., 1949, **49:** 289–95. ——— [et al.] Study of 1,063 naval offenders. Ibid., 1945, **44:** 73–86.—**McCallum, M. R.** The study of the delinquent in the Army. Am. J. Sociol., 1945–46, **51:** 479–82.—**Misconduct** status [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 283–5.—**Nordman, C., & Bonhomme, J.** De l'utilisation des indisciplinés en temps de guerre. Progr. méd., Par., 1916, 3. ser., **31:** 70–2.—**Otness, H. R., & Stouffer, G. A. W.** jr. The naval offender; motivating factors. U. S. Nav. M. Bull., 1945, **44:** 1029–35.—**Pacheco e Silva, A. C.** Os simuladores; os indisciplinados; os desertores e os traidores em face da psiquiatria. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 259–66.—**Schneider, A. J. N., & LaGrone, C. W.** jr. Delinquents in the Army; a statistical study of 500 rehabilitation center prisoners. Am. J. Psychiat., 1945–46, **102:** 82–91.—**Schuppius.** Der unsichere Dienstpflichtige; eine kriminalpsychologische Studie. Deut. mil. ärztl. Zschr., 1910, **39:** 860–71.—**Semrad, E. V.** Rehabilitation of military offenders. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 570–5.—**Simonin, J.** Les rabioteurs dans l'armée; quelques réflexions à propos de leur mentalité. Bull. Soc. méd. lég. France, 1910, 2. sér. **7:** 31–44.—**Stouffer, G. A.,** jr, **& Otness, H. R.** 100 civilian delinquents in the Navy; a comparative analysis of 100 civilian delinquents in the Navy with 100 unselected enlisted men in the Navy. J. Clin. Psychopath., 1946–47, **8:** 251–70.—**Weiss, I. I.** Rehabilitation of military offenders at the Ninth Service Command Rehabilitation Center. Am. J. Psychiat., 1946–47, **103:** 172–8.

DELIRIUM.

See under **War psychosis.**

DELOUSING.

See **Disinfestation; Lousiness.**

DEMENTIA.

See under **Psychosis; War psychosis,** in this section.

DEMOBILIZATION.

See also **Hospital,** Demobilization; **Mobilization; Troop movement;** also such terms as **Discharge; Disabled; Rejection,** etc.

United States. Congress. 79. Congress, 1. Session. House of Representatives. Committee on Military Affairs. Demobilization of the Army of the United States. Hearings ... on the demobilization of the Army of the United States and voluntary recruiting for the United States Army, August 28 and 31, 1945. 94p. 23cm. Wash., 1945.

Chisholm. Emotional problems of demobilization. Bull. Vancouver M. Ass., 1944–45, **21:** 53–5.—**Pratt, G. K.** The call of the cradle; some psychiatric problems of demobilization. Ment. Hyg., Alb., 1942, **26:** 39–49.—**Quiróz, J. D.** Reflexiones sanitarias a propósito de la desmovilización. Rev. san. mil., Asunción, 1942, No. 135, 139–42.—**Wishart, J.** Statistical aspects of demobilization in the Royal Navy. J. R. Statist. Soc., Lond., 1947, **110:** 27–50.

DENGUE.

See also several subheadings under **World War II.**

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Dengue. Rev. 2p. 27cm. Orlando, 1944.

Forms pt 2, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F. U. S.

Carson, D. A. Observations on dengue. U. S. Nav. M. Bull., 1944, **42:** 1081–4.—**Dengue.** In: Prev. Med. in World War II, Wash., 1948, **5:** 47.—**Dengue** and perverted taste. J. R. Army M. Corps, 1945, **85:** 204.—**Dengue** control. In: Prev. Med. in World War II, Wash., 1948, **5:** 48.—**Diasio, J. S., & Richardson, F. M.** Clinical observations on dengue fever; report of 100 cases. Mil. Surgeon, 1944, **94:** 365–9.—**Ewing, D. Q.** The dengue fevers. Med. Clin. N. America, 1944, **28:** 1471–83.—**Gilbertson, W. E., & Usinger, R. L.** Dengue control in the Hawaiian Islands. Malaria Contr. in War Areas, 1944, July No., 2–5.—**Hayasi, T.** Syōwa ni-nen bakō rikugun butai ni ryūkō-seru dengue-netu ni tuite [1927 dengue epidemic among the Army cavalry troops] Gun idan zassi, 1929, No. 191, 715–52, tab.—**Holdsworth, R. P.,** jr. Local control of epidemic dengue fever. Mil. Surgeon, 1948, **102:** 377–81.—**Hughes, A. C. C.** The leucocyte count in dengue. J. R. Nav. M. Serv., 1946, **32:** 194–6.—**Hyman, A. S.** The heart in dengue; some observations made among Navy and Marine combat units in the South Pacific. War Med., Chic., 1943, **4:** 497–501.—**Johnson, J. A.,** jr, **Martin, W. B., & Breslow, L.** Dengue-like fever on Okinawa. Bull. U. S. Army M. Dep., 1946, **5:** 306–11.—**Kaplan, A., & Lindgren, A.** Neurologic complications following dengue. U. S. Nav. M. Bull., 1945, **45:** 506–10.—**LeRoy, G. V., & Lindberg, H. A.** The diagnosis of dengue. Bull. U. S. Army M. Dep., 1944, No. 79, 92–100.—**Magliano, G., & Azzi, E.** Epidemia di dengue sulle coste della Migiurtinia durante le operazioni per la conquista dell'Impero. Ann. med. nav., Roma, 1938, **44:** 337–44.—**Philip, C. B.** Infectivity of dengue serums transported in ordinary ice by air. Bull. U. S. Army M. Dep., 1946, **5:** 226.—**Prevention** (The) of dengue fever. Ibid., 1945, **4:** 535–9.—**Ruge, H.** Pappatacifieber, Gelbfieber, Dengue. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 143–5.—**S., D. F.** Dengue. Bumed News Lett., Wash., 1944, **3:** No. 13, 10.—**Stewart, F. H.** Dengue; analysis of the clinical syndrome at a South Pacific advance base. U. S. Nav. M. Bull., 1944, **42:** 1233–40, 2 pl.—**Ward, R., & Sabin, A. B.** Dengue. Annual Rep. Com. Neurotr. Virus Dis. U. S. Army (1945–46) 1946, 4.—**Younis, D.** Aperçu général sur l'épidémie de dengue en Grèce en 1928 et mesures prophylactiques à l'Armée hellénique. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 79–84.—**Zeligs, M. A., Legant, O., & Webster, E. H.** Epidemic dengue; its abortion in a combat area. U. S. Nav. M. Bull., 1944, **42:** 856–60.

DENMARK.

For references on this country see the following headings of Military Section: **Army; Dental care;**

Hospital report; Medical examination; Medical organization; Medical service; Military medicine; Morbidity; Nutritional service; Pharmacological service; Recruiting; Reserve officer; Tuberculosis; Venereal disease; Wars and Campaigns (1864) World War II.

DENTAL ambulance.

See **Ambulance.**

DENTAL care.

See also **Amphibious warfare; Dental health; Dependent,** Medical care; **Desert warfare.**

Dental rehabilitation problems in registrants under Selective Service and Training Act. Illinois Dent. J., 1941, **10**: 293–8.—**Poelstra, T.** L'aide dentaire en temps de mobilisation et de guerre. J. dent. belge, 1940, **31**: 43–6.—**S., J. A.** Practical problems in dental rehabilitation. N. York J. Dent., 1942, **12**: 233.

—— veteran.

See also **Dental service**—by countries: United States: Veterans; **Medical care,** veteran; **Veteran,** Welfare; also **Disabled,** Medical and health service.

Robinson, L. G. Dental treatment for veterans. J. Canad. Dent. Ass., 1946, **12**: 217–9.—**Treatment** of recruits and returned soldiers. N. Zealand Dent. J., 1916–17, **12**: 7–30.—**Weeks, W. P.** Simplifying the problems in furnishing treatment to veterans. Bull. N. Carolina Dent. Soc., 1949–50, **33**: 77–85.

—— by countries.

Arnold, J. J. Rehabilitation. Dent. J. Australia, 1946, **18**: 133–7.—**Braband-Köster, J.** Vor militaere tandpleje. Tandlaegebladet, 1934, **38**: 82–4; Disc., 142; passim.—**Fišer, J.** Organisace ošetření chrupu u leteckých útvarů. Voj. zdrav. listy, 1948, **17**: 302.—**Odontologia** nas classes armadas [illust.] Rev. brasil. odont., 1946, **4**: No. 2, 31–9.—**Taylor, A. T.** Rehabilitation. Dent. J. Australia, 1946, **18**: 130–3.

—— by countries: Germany.

Fischer, F. F. H. *Zur truppenzahnärztlichen Versorgung in Krieg und Frieden. 39p. 23cm. Lpz., 1936.

Pieritz, G. Die Versorgung Zahn-, Mund- und Kieferkranker an Bord grösserer Einheiten der Kriegsmarine. Deut. zahnärztl. Wschr., 1943, **46**: 375–7.—**Wiebe.** Zahnbehandlung im Felde, ein Bericht aus der Praxis des heutigen Krieges. Aerztebl. Hessen, 1941, **9**: 124.

—— by countries: Great Britain.

Bailey, E. R. Notes on dental treatment in an Army intake centre. Brit. Dent. J., 1945, **79**: 70–2.—**Dental** treatment of soldiers on leave. Ibid., 1941, **70**: 105.—**Eddowes, C. D. W.** The treatment of the Forces. Ibid., 1940, **68**: 526.—**Richards, P. G.** Dental treatment in the Navy; the pursuit of the ideal and the practical. J. R. Nav. M. Serv., 1918, **4**: 347–52.—**Stewart, D.** A Victorian scheme of dental aid for the army. Brit. Dent. J., 1948, **85**: 232.

—— by countries: Russia.

Entin, D. Stomatologicheskaia pomoshch v Sovetskoi Armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 328–32.

—— by countries: United States.

Curb service dentistry. Dent. Items, 1945, **67**: 999–1002.—**Hector, G. A., & Moore, J. L.** A visual roster of dental service for combat crews. Air Surgeon Bull., 1944, **1**: No. 8, 22.—**Mead, S. V.** Dentistry in the armed forces and in governmental agencies. J. Am. Dent. Ass., 1943, **30**: 1291–5. Also J. Kansas State Dent. Ass., 1943, **27**: No. 4, 42–6.

—— by countries: United States: Army.

A. D. A. approves program for rehabilitation at special meeting of board of trustees. Illinois Dent. J., 1941, **10**: 357–60.—**Army** dental chief pledges good teeth for all soldiers. Detroit Dent. Bull., 1941, **9**: No. 12, 24.—**Army** dentists in the field keep right at their work in addition to taking care of casualties [Illust.] Dent. Surv., 1943, **19**: 685.—**Clegg, H.** No toothaches for desert soldiers. Dent. Outlook, N. Y., 1943, **30**: 341.—**Dental** treatment for the soldier in the United States Army. Bull. Dep. Health Lincoln, 1943, July, 5. Also Dent. Outlook, N. Y., 1943, **30**: 305.—**Dental** treatment for tactical units. Dent. Bull., Carlisle, 1941, **12**: 187–90.—**Fly, W. P.,** jr. Your patient, our responsibility. J. Tenneesse Dent. Ass., 1943, **23**: No. 2, 15–8.—**Front** line dental unit serves the 8th Army [Illust.] Dent. Rec., Lond., 1943, **63**: 99.—**Guralnick, W. C.** Experiences in exodontia and oral surgery at an Army post. Am. J. Orthodont., 1943, **29**: Oral Surg., 241–6.—**Reichert, R. O.** Oral rehabilitation; case report. Bull. U. S. Army M. Dep., 1944, No. 79, 74–6.—**Roistacher, D. H.** Dentistry in the infantry. Dent. Surv., 1946, **22**: 300–2.

—— by countries: United States: Navy and Marine.

F., I. Dental first aid for submarines, destroyers, or any ship without a dental officer. Bumed News Lett., Wash., 1943, **2**: No. 3, 12–4.—**Phillips, H. M.** Around the world by tooth and nail; a dental bridge to the Orient. Oral Hyg., Pittsb., 1935, **25**: 496.—**Prosthetic** dental treatment, authorization of [form letter] Bumed News Lett., Wash., 1943, **2**: No. 3, 27.

DENTAL caries.

See under **Tooth disease.**

DENTAL chest.

See also **Chest; Dental instrument; Equipment; Field case; Kit.**

Changes in dental officer's and dental private's kits. Army Dent. Bull., 1942, **13**: 129–34.—**Dental** instrument case. Air Surgeon Bull., 1944, **1**: No. 8, 20.—**Foster, J. M., & Hargreaves, J. M.** An experimental portable field dental chest for the Army Air Forces. Ibid., No. 2, 25.

DENTAL clinic.

See **Ambulance,** dental; **Dental service,** Mobile unit; **Hospital report,** United States: Dental hospital.

DENTAL Corps.

See also **Dental officer; Dental reserve; Dental service.**

Koch, C. R. E. The organization of the Army and Navy Dental Corps. In his Hist. Dent. Surg., Chic., 1909, **1**: 143–8.—**Lufkin, A. W.** The Army and Navy Dental Corps. In his Hist. Dent., 2. ed., Phila., 1948, 207.—**Opportunities** in the U. S. Public Health Service, Veterans Administration and Army and Navy Dental Corps. J. Am. Dent. Ass., 1946, **33**: 49–54.—**Ryan, E. J.** Rank without authority; the story of the handicaps under which the Dental Corps of the Army and Navy operate. Oral Hyg., Pittsb., 1943, **33**: 932; 962.

—— Argentina.

Bauchiero, M. Sobre los odontólogos militares y su función de legistas en el ejército. Tribuna odont., B. Air., 1921, **5**: 28.—**Cambiaggi, J. E.** Dentistas militares; antecedentes históricos sobre la formación de nuestro cuerpo. Rev. san. mil., B. Air., 1944, **43**: 1311–4.—**López, J. A.** Opiniones sobre los odontólogos militares y su función de legistas en el ejército. Tribuna odont., B. Air., 1921, **5**: 24–8.

—— Canada.

Canadian Dental Association and Canadian Dental Corps. J. Canad. Dent. Ass., 1941, **7**: 623.—**Canadian** Dental Corps. Ibid., 1940, **6**: 139–46, 13 portr.—**Canadian** Dental Corps (overseas) Brit. Dent. J., 1944, **76**: 293–5.—**Canadian** Dental Corps, H. Q. Staff. J. Canad. Dent. Ass., 1941, **7**: 263, group portr.—**Dental** Corps news. Ibid., 1940, **6**: 506; 606; 1941, **7**: 316.—**Gibson, W. J.** Canadian Dental Corps. Ibid., 1941, **7**: 439–42.—**Logan, M.** Dentistry overseas. Ibid., 1942, **8**: 335.—**Lott, F. M.** Wartime functioning of the Canadian Dental Corps. Oral Hyg., Pittsb., 1943, **33**: 1388–91.—**Trelford, W. G.** The Canadian Dental Corps. Brit. Dent. J., 1940, **68**: 425–7.

—— Germany.

Martiny, V. Heereszahnärztliches. Zahnärztl. Mitt., 1936, **27**: 751–4.—**Stiefel, M.** I was a dentist in the German Army. Oral Hyg., Pittsb., 1942, **32**: 1628–31.

—— Great Britain.

Army (The) Dental Corps. Brit. Dent. J., 1940, **69**: 3; 1942, **72**: 71.—**Charles, G. F.** Some major considerations in the formation and development of an army dental corps. Proc. Congr. Austral. Dent. Ass. (1939) 1940, 10. Congr., 779–89.—**Notes** on the Army Dental Corps, by a Dental Officer. Brit. Dent. J., 1942, **72**: 65–8.—**Woods, S. H.** An outline of dentistry in the British army, 1626–1938. Proc. Congr. Austral. Dent. Ass. (1939) 1940, 10. Congr., 789–98.

—— New Zealand.

Hamilton, W. R. The New Zealand Dental Corps. Brit. Dent. J., 1942, **72**: 212.—**Hunter, T. A.** New Zealand Dental Corps. Ibid., 1936, **61**: 159–66.—**New** (The) Zealand Dental Corps. N. Zealand Dent. J., 1939, **35**: 258–62.

—— Spain.

Muñiz Toca, F. Cuerpo de odontólogos militares. An. españ. odontoestomat., 1945, **2**: 11–5.—**Subirana, L.** Informe de la Comisión de nombramiento de dentistas en el ejército y la armada. Actas Congr. dent. españ. (1905) 1906, 3. Congr., 172; 211.

—— United States Army.

See also **Dental reserve.**

UNITED STATES. WAR DEPARTMENT. Army regulations No. 40–15. Medical Department. Dental Corps, general provisions. 5p. 8° Wash., 1925.

Accomplishments of the Army Dental Corps. Bull. U. S. Army M. Dep., 1943, No. 69, 34.—**Activities** of the Army Dental Corps. Dent. Outlook, N. Y., 1943, **30**: 304. Also J. District of Columbia Dent. Soc., 1943, **17**: No. 3, 9.—**Army** (The) Dental Corps. J. Am. Dent. Ass., 1941, **28**: 1897–9. Also Texas Dent. J., 1943, **61**: 184–6.—**Army** (The) Dental Corps in action [Illust] Dent. Digest, 1942, **48**: 66–9.—**Army** Dental Corps promotions; rank from February 1, 1942. J. Am. Dent. Ass., 1942, **29**: 1289–91.—**Brigadier** general, Dental Corps. Army & Navy Reg., 1937, **58**: No. 2993, 1.—**Deegan, H.** A practicing dentist of Washington State, a distinguished World War No. 1 veteran, discusses the Dental Corps, United States Army. Congressional Record, 1944, **90**: A2517.—**Dental** (The) Corps. Dent. Bull., Wash., 1936, **7**: 27; 72.—**Dentist** (The) in the Army. J. Am. Dent. Ass., 1942, **29**: 2053–5.—**Dentists** for the United States Army Dental Corps. N. York J. Dent.. 1942, **12**: 203–8.—**F., L. C.** Proposed history of the Dental Corps. Dent. Bull., Carlisle, 1941, **12**: 302–4.—**Fairbank, L. C.** The Army Dental Corps. Bull. Dent. Soc. N. York, 1938, **5**: No. 8, 13–5. ——— The Army Dental Corps and national defense. Bull. Connecticut Dent. Ass., 1941–42, **18**: 20–30.—**Harper, N. A.** The Dental Corps of the Army. J. Am. Dent. Hyg. Ass., 1944, **18**: 7.—**Kobrin, N.** From immigrant pioneer to Dental Corps. Dent. Outlook, N. Y., 1944, **31**: 278, &c.—**Marshall, J. S.** The United States Army Dental Corps. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1**: 137–42.—**Mills, R. H.** Discussion of problems of Army Dental Corps. J. Am. Dent. Ass., 1943, **30**: 1813–5. ——— Dental Corps increases its responsibilities. Mil. Surgeon, 1943, **92**: 168–73. ——— Factors in the development and progress of the Army Dental Corps. J. Am. Dent. Ass., 1944, **31**: 531–6.—**Mosher, D. F.** The Dental Corps of the United States Army. J. Missouri Dent. Ass., 1940, **20**: 11.—**Munn, R. B.** A dental man's life in the Army Dental Corps. Dent. News, 1941, **24**: No. 9, 16.—**Phalen, J. M.** When teeth were expendable. Mil. Surgeon, 1947, **101**: 444.—**Pollock, H. C.** Dental Corps quotas and procurement. Am. J. Orthodont., 1943, **29**: 551–4.—**Raise** age limit for Dental Corps commissions. Illinois Dent. J., 1943, **12**: 214.—**Robinson, J. B.** Dental Corps quotas and procurement. Bull. Massachusetts Dent. Soc., 1943, **19**: No. 4, 5–8.—**Ryan, E. J.** Freedom for the Dental Corps. Oral Hyg., Pittsb., 1943, **33**: 960.—**Sand, R. A.** Observations of the Army Dental Corps in war. Northwest Dent., 1943, **22**: 78–84.—**Sleppy, E. E. P.** Our Dental Corps. Oral Hyg., Pittsb., 1918, **8**: 375–8.—**Smith, T. L.** The Army Dental Corps. Texas Dent. J., 1950, **68**: 10–2.—**White, W. D.** The Dental Corps of the United States Army. Austral. J. Dent., 1943, **47**: 103–10. ——— The Dental Corps of the United States Army. Brit. Dent. J., 1943, **74**: 55–64.

—— United States Navy.

UNITED STATES. CONGRESS. HOUSE OF REPRESENTATIVES. 58. Congr. 3. sess. H. R. 18722. Feb. 2, 1905. A bill authorizing the appointment of dental surgeons in the Navy; introd. by Mr. Cousins. 1 leaf. 8° Wash., 1905.

—— 60. Congr. 1. sess. H. R. 16620. Feb. 6, 1908. A bill authorizing the appointment of dental surgeons in the Navy; introd. by Mr Butler. 1 leaf. 8° Wash., 1908.

Bill creating the rank of Rear Admiral in the Naval Dental Corps. J. District of Columbia Dent. Soc., 1943, **17**: 30–2.—**Chandler, A. W.** The Dental Corps of the United States Navy. West Virginia Dent. J., 1947–48, **22**: 208.—**Dental** (The) Corps [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 13–22.—**Dentistry** Division (Assistant for Dentistry) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 2, 84–90.—**Further** testimony in hearings on Naval Dental Bill. J. Am. Dent. Ass., 1945, **32**: 470; passim.—**Harvey, H. E.** The United States Navy Dental Corps. Ann. Dent., 1939, **6**: 201–13.—**Information** for persons desiring to enter the Dental Corps of the United States Navy. Mil. Surgeon, 1946, **98**: 529–35.—**Navy** (The) Dental Corps. Oral Hyg., Pittsb., 1918, **8**: 27.—**Navy** opposes granting of Rear Admiral ranking to head of Dental Corps. Illinois Dent. J., 1942, **11**: 495.—**Rault, C. V.** The Navy Dental Corps in war time. Mil. Surgeon, 1945, **96**: 326–8.—**Rear** Admiral for the Navy Dental Corps. J. Am. Dent. Ass., 1943, **30**: 118–21.—**Reorganization** of Dentistry Division, BuMed. Bumed News Lett., Wash., 1944, **4**: No. 8, 30–2.—**Schlack, C. A.** A short history of the United States Naval Dental Corps. U. S. Nav. M. Bull., 1942, **40**: 775–9.—**Ulen, F. G.** The Dental Corps comes of age. Ibid., 1944, **43**: 1145–56.—**United States** Navy Dental Corps. N. York J. Dent., 1940, **10**: 417.

DENTAL equipment.

See also **Chest; Dental chest; Dental instrument; Dental service,** Mobile unit; **Equipment; Field case; Kit; Vehicle,** dental.

GERMANY. OBERKOMMANDO DER KRIEGSMARINE [Marine-Druckvorschrift] M. Dv. 271/8: Soll der Sanitätsaurüstungen. Teil 8: Zahnärztliche Ausrüstung. 18p. 22cm. Berl., 1941.

MCAFEE, L. B., & BASKIN, L. D. Dental field equipment; developed by the Medical Department Equipment Laboratory, Medical Field Service School, Carlisle Barracks, Pennsylvania, 1932. 25p. 22½cm. Carlisle, 1932.

Dental equipment and supplies, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 605–27.—**Equipment** of the Canadian Dental Corps. Brit. Dent. J., 1940, **69**: 87.—**Feldman, M. B.** Electric dental water heater. Med. Bull., U. S. Chief Surg. Europ. Theater, 1945, No. 32, 65.—**Foot** engine and other mobile field equipment help Army dentists give dental care to U. S. troops throughout the world [Portrait] Dent. Surv., 1943, **19**: 683.—**Geikin, M.** Stomatologicheskii nabor. In: Enciкl. slovar voen. med., Moskva, 1946–48, **5**: 332.—**Greenberg, H. H.** The electric field dental unit. Hosp. Corps Q., 1944, **17**: No. 3, 49.—**Jeffcott, G. F.** Maintenance of dental equipment. Bull. U. S. Army M. Dep., 1948, **8**: 654.—**Richter, J. W.** Table for dental photography. U. S. Nav. M. Bull., 1945, **45**: 359.—**Sanderson, M. A., & Watkins, R. D.** Hospital dental cart. Army Dent. Bull., 1942, **13**: 189–92.—**Smith, T. L., & Sydenham, H. R.** A report on the dental field equipment of the U. S. Army. Dent. Bull., Wash., 1937, **8**: 87–91.—**Zuckerman, H.** Maintenance and repair of dental equipment. Hosp. Corps Q., 1944, **17**: No. 3, 51–68.

DENTAL examination.

See also **Dental health; Medical examination.**

Beckwith-Ewell, S. L. The predetermining dental survey. Mil. Surgeon, 1944, **94**: 104.—**Cardoso Caldas, Z.** A inspeção dentária para os candidatos ás classes armadas. Rev. brasil. odont., 1945, **3**: No. 5, 59–62.—**Deatherage, C. F.** Dental examinations in the Selective Service System of the State of Illinois. Illinois Dent. J., 1941, **10**: 492–5.—**Galatser, A. N.** K voprosu ob osmotre zhevatelnogo apparata u novobrancev. Zubovrach. vest., 1912, **28**: 1033–6.—**Hunter.** Instructions relating to dental examination and treatment of recruits. N. Zealand Dent. J., 1915–16, **11**: 171–3.—**Medical** circular No. 2: Dental. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 103–8.—**Teeth** (The) of the recruit. Hygeia, Chic., 1941, **19**: 439.—**Wells, C. R.** Selective Service and dental examinations. J. Second Distr. Dent. Soc. N. York, 1942, **28**: 102–4. ——— Dentistry in selective service. Northwest Dent., 1942, **21**: 77–82. ——— The dental aspects of Selective Service. N. York J. Dent., 1942, **12**: 106–10.—**Wetzel, E. C.** Teeth in the draft. Milwaukee M. Times, 1941, **14**: No. 8, 17.

—— Standards.

See also **Dental health,** Defects.

Dental standards for physical examinations. Army Dent. Bull., 1942, **13**: 204.—**Helliwell, J. P.** The dental standard of the recruit. Brit. Dent. J., 1927, **48**: 1421–7. Also Pub. Health, Lond., 1927–28, **41**: 171–8. Also J. R. Army Med. Corps, 1928, **50**: 163–74.

DENTAL health.

See also **Health; Recruit,** Health and disease; **Rejection.**

Der Stepanian, A. Le coefficient dentaire militaire. Inform. dent., Par., 1948, **30**: 499.—**Entin, D.** Zuby (dentes) In: Enciкl. slovar voen. med., Moskva, 1946–48, **2**: 850–7.—**Maly, L. W.** Another dental survey procedure. Bull. U. S. Army M. Dep., 1944, No. 77, 29–31.—**Ottófy, I.** The teeth and wartime efficiency. Oral Hyg., Pittsb., 1935, **25**: 955.—**Plans** of the Council on Dental Health. Bull. U. S. Army M. Dep., 1945, No. 84, 22.—**Robinson, J. B.** Dental health and the national defense. Michigan Pub. Health, 1942, **30**: 23–6.—**Sydenham, H. R.** Notes on a different type of dental survey for troops. Dent. Bull., Carlisle, 1939, **10**: 25–7.

—— Defects and sequelae.

See also **Defect; Dental care; Denture; Recruit,** Health; **Rehabilitation; Tooth disease.**

Brauer, J. C. Dental physical fitness; whose responsibility? J. Health Phys. Educ., 1944, **15:** 553, &c.—**Cáceres, P. S., & Taddia, R. E.** Los ineptos para el servicio de las armas por insuficiencia masticatoria y su recuperación para el ejército. Rev. san. mil., B. Air., 1941, **40:** 305–13.—**Carydis, N., & Poelstra, T.** Los edentados en el ejército; definición; tratamiento; utilización militar en tiempo de paz y en tiempo de guerra. Rev. san. nav., Valparaíso, 1937, **7:** 191–3.—**Dental** characteristics of Navy recruits by recruiting area. Statist. Navy M., 1950, **6:** No. 3, 4–6.—**Dyspepsia** (The) of the edentate soldier. Med. Rec., N. Y., 1918, **93:** 371.—**East, B. R.** Physical fitness for military service and public health dentistry. J. Am. Dent. Ass., 1942, **29:** 1673. ——— United States draftees' dental defects of 1863, 1864, 1918 and 1940–41. Mil. Surgeon, 1941, **89:** 661–4.—**Harper, C. F.** A little matter of percentages. J. Am. Coll. Dentists, 1943, **10:** 77.—**Helliwell, J. P.** The relation between dental disease and general health in the Army. Off. Rep. Internat. Congr. Mil. Med. & Pharm., 1929, 5. Congr., 126–30.—**Hovell, J. H.** Dental sepsis in recruits. Med. Press & Circ., Lond., 1941, **205:** 119–22.—**Jacobs, W. H.** Teeth mean nothing in war. Oral Hyg., Pittsb., 1942, **32:** 637–40.—**Klein, H.** The dental status and dental needs of young adult males, rejectable, or acceptable for military service, according to Selective Service dental requirements. Pub. Health Rep., Wash., 1941, **56:** 1369–87.—**Maj, G.** Aspetti medico-legali del problema odontoiatrico militare. Zacchia, 1942, **7:** 656–72.—**Mori, R.** Argomenti di medicina legale militare; imperfezioni e infermità a carico dell'apparecchio di masticazione e attitudini fisiche al servizio militare. Stomatologia, Mod., 1938, **36:** 193–207.—**Prehabilitation** of registrants; dental requirements and advice. Hygeia, Chic., 1941, **19:** 801.—**Robinson, H. B. G.** Our ghost army, an old dental story. Washington Univ. Dent. J., 1941–42, **8:** 87–91.—**Schoeny, L. J.** Dental deficiencies and rehabilitation of selectees. N. Orleans M. & S. J., 1942–43, **95:** 171–4.—**Strusser, H.** Dental defects in Selective Service eligibles. N. York J. Dent., 1941, **11:** 202.—**Watry.** L'état de la denture dans ses rapports avec l'aptitude au service militaire. Arch. méd. belges, 1929, **82:** 729–34.—**Winters, S. R.** By the skin of their teeth. Hygeia, Chic., 1941, **19:** 536–8.

—— by countries.

Bunge, E. F. E. *Das Ergebnis der zahnärztlichen Untersuchung der SA.-Mannschaften der Standarte 116 nebst Reservestandarte 116. 44p. 23cm. Marb., 1936.

Städe, F. *Das Ergebnis der zahnärztlichen Untersuchung der SA-Mannschaften der Standarte 30. 20p. 22½cm. Marb., 1937.

Albanese, P. La morbilità dentale e paradentale nel nostro esercito. Gior. med. mil., 1943, **91:** 33–43.—**Caries.** Conditions d'aptitude physique au point de vue dentaire dans l'armée française. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 124.—**Clark, J. M.** El estado de la dentadura y la aptitud física para los diferentes servicios militares. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 335–67.—**Dental** fitness of Canadian forces. Dent. Rec., Lond., 1940, **60:** 297–300.—**Dental** infection in the Army. Brit. M. J., 1935, **2:** Suppl., 1225.—**Gurvich, P. L.** [Caries of the teeth among the enlisted men of the navy] Morsk. vrach, 1914, 440–57.—**Kokushin, M. N.** O zubakh u soldat Peterburgskogo garnizona. Voen. med. J., S. Peterb., 1912, **233:** med. spec. pt, 424–9.—**Macdonald, W. Y.** The dental condition of personnel of the Indian Army. Brit. Dent. J., 1944, **77:** 170.—**Shannon, R.** The teeth of recruits in the Royal Australian Air Force. Austral. J. Dent., 1944, **48:** 59–62.—**Wood, J. T., Woods, S. H., & Colbran, C. L.** The state of the teeth in relation to physical fitness in the different military services. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 309–35.—**Woods, S. H.** Chronic dental infection as a cause of inefficiency in the Army. J. R. Army M. Corps, 1936, **66:** 383–91. Also Proc. R. Soc. M., Lond., 1935–36, **29:** 375–82.

—— by countries: United States: Army.

See also **Tooth disease.**

United States. War Department. Surgeon General's Office. Medical Statistics Division. Statistical Analysis Branch. Report No. 1D: Dental defects among Army inductees, March 1943. 12p. 27cm. Wash., 1943.

Changes in dental requirements, mobilization regulations. Army Dent. Bull., 1942, **13:** 128.—**Currie, N. L.** The dental health of an army; its need and suggested methods of attainment and maintenance. Dent. J. Australia, 1937, **9:** 146–52.—**Dental** prosthetic needs in the U. S. Army. Bull. U. S. Army M. Dep., 1944, No. 80, 68–71.—**Nizel, A. E., & Bibby, B. G.** Geographic variations in caries prevalence in soldiers. J. Am. Dent. Ass., 1944, **31:** 1619–26.—**Scott, H. O.** Dental conditions in the Army before and during the present war. Dent. Rev., Chic., 1918, **32:** 985–90.—**Vail, W. D.** A study of dental conditions of officers of the Army with reference to the loss of teeth and their replacements. Dent. Bull., Wash., 1933, **4:** 103–7.

—— by countries: United States: Navy.

See also **Tooth disease.**

Schlack, C. A., & Birren, J. E. Dental status of 71,015 Naval personnel examined in 1942; number of dental defects per person with regional and age variations. 21p. 27cm. Bethesda, 1946.

Forms No. 3, Rep. Res. Proj. X–131, U. S. Nav. M. Res. Inst.

Dunning, J. M. The dental status of midshipmen; 16. class, U. S. N. R. Midshipmen's School, New York City. U. S. Nav. M. Bull., 1944, **43:** 895–900.—**Schlack, C. A., & Birren, J. E.** Influences on dental defects in naval personnel. Science, 1946, **104:** 259–63.—**Schlack, C. A., Flynn, J. P., & Gerende, L. J.** The effect of age and region of birth upon the relative number of naval personnel having dental prosthetic replacements. J. Dent. Res., 1947, **26:** 265–72.

DENTAL hygienist.

See also **Dental technician.**

United States. Veterans Administration. Technical bulletin TB 10A–34: Instructions for the preparation of the Monthly Report of Dentists and Dental Hygienists, VA Form 10–2587 (Sept. 1946) 4p. 27cm. Wash., 1947.

Dental hygienists needed for Army dispensaries. J. Am. Dent. Ass., 1943, **30:** 1301.—**Dental** hygienists needed for Army dispensaries, new regulations. N. York J. Dent., 1943, **13:** 271.—**Gilbreth, F. B., & Gilbreth, L. M.** The conservation of the world's teeth, a new occupation for crippled soldiers. Oral Hyg., Pittsb., 1917, **7:** 1216–23.—**Miller, M. C.** Dental hygienists in the Army. Illinois Dent. J., 1942, **11:** 477–9.—**Vangstad, C. I.** A dental assistant goes to war. CAL, Chic., 1942–43, **5:** No. 11, 11.

DENTAL instrument.

See also **Dental chest; Dental equipment.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/22: Packordnung und Betriebsanleitung des Zahnärztlichen Gerätes 41, vom 1. 11. 42. 128p. 21cm. Berl., 1942.

Bolan, S. A metal clip for tongue blades. Hosp. Corps Q., 1945, **18:** No. 2, 50.—**Care** of the dental handpiece. Bull. U. S. Army M. Dep., 1949, **9:** 339.—**Hammersley, W. L.** Care of dental angle handpieces. Mil. Surgeon, 1944, **95:** 234.—**Heat** sterilization of dental handpieces by liquid petrolatum and another non-corrosive viscous fluid. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 40.—**Holmes, S., & McCoy, D. F.** A portable dental aspirator. U. S. Nav. M. Bull., 1944, **43:** 374.—**King, D. A.** Improvising in the field. Ibid., 1945, **45:** 173.—**McSweeney, J. T., & Dunkle, C. K.** Improvised dental cuspidor and aspirator. Ibid., 357.—**Parke, G. L.** Sterilization and lubrication of dental handpieces. Ibid., 955–9.—**Schantz, C. W., & Scrivener, C. A.** Lubrication and sterilization of dental handpiece; report of a study. Ibid., **44:** 817–23.—**Sterilization** (The) of the dental handpiece. Month. Health Rep. Mil. Distr. Washington, 1948, **1:** No. 3, 12.—**Zahnärztliches** Gerät 41. Deut. Militärarzt, 1942, **7:** 157.

DENTAL laboratory.

See also **Medical laboratory.**

United States. Veterans Administration. Technical bulletin TB 10A–178: Instructions for preparation of Monthly Report of Central Dental Laboratory Activities, VA Form 10–7386. 3p. 27cm. Wash., 1949.

United States. War Department. Technical bulletin TB MED 148: Instructions for preparing and mailing prosthetic cases to Central Dental Laboratory. 10p. 26cm. Wash., 1945.

Army Dental Laboratory in Northern Ireland. Dent. Rec., Lond., 1942, **62:** 277.—**Burgin, H. N.** Some notes on the Central Dental Laboratory, Jefferson Barracks. Dent. Bull., Carlisle, 1940, **11:** 73–9.—**Gebbie, K. C.** Dental laboratory in base area, Middle East. Mouth Mirror, Lond., 1943–44, **20:** 184–7.—**Hart, M. C.** Experiences of a field dental laboratory in the B. L. A. Brit. Dent. J., 1946, **80:** 305–7.—**Instructions** for preparing and mailing prosthetic cases to Central Dental Laboratory. Bull. U. S. Army M. Dep., 1945, **4:** 361.—**Instructions** for preparing and sending cases to the Central Dental Laboratories. Dent. Bull., Carlisle, 1941, **12:** 180–6.—**Johnson, J. B.,** jr, **& Wilson, G. H.** The mobile dental laboratory. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 407–43. ——— The

World War I dental laboratory. Ibid., 407. ——— The modified portable dental laboratory. Ibid., 409. ——— The improvised mobile dental laboratory. Ibid., 491–3. ——— Text of service test report on mobile dental laboratory from 16 May 1943 to 19 June 1943, prepared by First Convalescent Hospital, Second Army. Ibid., 672–5.—**New** Army mobile laboratory. Oral Hyg., Pittsb., 1943, **33**: 637.

DENTAL officer.

See also **Dental Corps; Dentist; Dental surgeon; Officer:** also such headings as **Decoration,** etc.

Clopper, P. W. Duties of an Army dental officer. Illinois Dent. J., 1943, **12**: 333–5.—**Glass, D. F.** The dental officer in the field. Brit. Dent. J., 1944, **77**: 104–6.—**Graziani, M.** Odontologia de guerra; papel do dentista militar. An. paul. med. cir., 1943, **46**: 406–11. Also Rev. brasil. otorinolar., 1943, **11**: 540–4. Also Rev. paul. med., 1943, **23**: 19–22.—**Hahl & Dieck.** Der Militärzahnarzt in der finnischen Armee. Suom. hammaslääk. toim., 1918, No. 22, 37–40.—**Harper, N. A.** The Army dental officer. Oral Hyg., Pittsb., 1943, **33**: 950–4.—**Ingalls, R. E.** The diary of a dental officer. Dent. Bull., Carlisle, 1939, **10**: 1–18.—**Kopetzky, S. J.** The dental officer in the armed service. Dent. Outlook, N. Y., 1943, **30**: 72.—**Ryan, E. J.** Reorganize the Army and Navy Dental Corps; freedom of action for dental officers is essential to efficient service. Oral Hyg., Pittsb., 1943, **33**: 1396–9.—**Squirru, C. M.** Los dentistas y la primera cura quirúrgica en el campo de batalla. Rev. san. mil., B. Air., 1942, **41**: 457–69.—**Street, F. E.** Impressions of a dental officer on D Day. Brit. Dent. J., 1944, **77**: 284–6.

—— divisional.

See also Dental service.

Baskin, L. D. Duties of dental officers in the divisions. Dent. Bull., Carlisle, 1937, **8**: 131–38.—**Dental** service with a division. Bull. U. S. Army M. Dep., 1945, **4**: 386–8.

—— Education and training.

See also **Dentistry,** Instruction; **School,** dental; **Training.**

Burns, W. R. A course of indoctrination for dental officers and dental technicians. U. S. Nav. M. Bull., 1942, **40**: 886–9.—**Dental** officers in training. Oral Hyg., Pittsb., 1942, **32**: 1059–61.—**Dyce, J. M.** Orientation to the need of an army. In his Photogr. Aids Clin. Dent. Pract., Lond., 1948, 3.—**Force, R. W.** The transition of a civilian dentist to a dental officer. Mil. Surgeon, 1940, **87**: 141–3.—**Horner, H. H.** Opportunities for dental officers in education and research. J. Am. Dent. Ass., 1946, **33**: 55–7.—**Instructions** for dental officers. Army Dent. Bull., 1942, **13**: 199.—**Postwar** education of dental officers. Bull. U. S. Army M. Dep., 1945, No. 86, 17–9.—**Rowlett, A. E.** A visit to a R. A. F. dental training centre. Brit. Dent. J., 1943, **75**: 7–9.—**Training** of dental officers. Bull. U. S. Army M. Dep., 1944, No. 80, 14.

—— Navy.

Etter, F. K. The United States Navy dental officer in combat. Mil. Surgeon, 1945, **96**: 408–12.—**Grunewald, A. H.** The duties of a dental officer afloat. J. Second Distr. Dent. Soc. N. York, 1938–39, **24**: 364–7.—**Johnson, L. W.** Praise for our Navy dental officers. Oral Hyg., Pittsb., 1943, **33**: 646–51.—**Knox, A.** The Navy dental officer in peace and war. Ann. Dent., 1942–43, n. ser., **1**: 165–71.—**Lyle, A. G.** Postgraduate and research training for dental officers of the Navy. J. Am. Dent. Ass., 1947, **34**: 185–8.—**Ulen, F. G.** Duties of the dental officer in naval combat. U. S. Nav. M. Bull., 1941, **39**: 187–90.

—— Procurement and assignment.

See also **Dentist; Procurement.**

Availability of dentists for military service to be determined. Illinois Dent. J., 1943, **12**: 100–4.—**Dentists** are asked to accept commissions on voluntary basis by President J. Ben Robinson in message on procurement quotas. J. Am. Dent. Ass., 1943, **30**: 1313–6.—**Diehl, H. S.** Dental education and the procurement and assignment service. Proc. Am. Ass. Dent. Schools, 1943, **20**: 217–26.—**Easley, D. C.,** jr. A dentist enters the Service. Oral Hyg., Pittsb., 1943, **33**: 1080–2.—**Examination** for appointment in the Dental Corps, regular Army. Dent. Digest, 1940, **46**: 206.—**New** procedure for commissioning dental officers. Med. Bull. U. S. First Army, 1948, **3**: No. 4, 6.—**Procurement** (A) and assignment agency. J. Am. Dent. Ass., 1941, **28**: 2057–60.—**Procurement** and assignment agency created for dentists by President. Illinois Dent. J., 1941, **10**: 513.—**Shortage** of dentists in the armed forces. J. Am. Dent. Ass., 1943, **30**: 1595–7.—**Siegal, L. R.** Procurement and assignment service notes. Bull. Connecticut Dent. Ass., 1944, **21**: 32.

—— Society.

Allied Forces Dental Society. Brit. Dent. J., 1943, **74**: 193.

DENTAL personnel.

See **Dental hygienist; Dental officer; Dental surgeon; Dental technician; Dentist.**

DENTAL pulp.

See **Dentistry,** Aviation dentistry; **Pulpa; Tooth.**

DENTAL reserve.

See also **Dentist; Reserve; Reserve officer.**

Camalier, C. W., & Altman, I. Postwar plans of dentists in service; plans for additional training. J. Am. Dent. Ass., 1945, **32**: 692–701. ——— Private practice. Ibid., 803–14. ——— Special. Ibid., 1013–22.—**Dental** (The) trade looks at Selective Service. Dent. News, 1940, **23**: No. 11, 11.—**Dues** reduced for dentists in service. N. York J. Dent., 1942, **12**: 265.—**Dwyer, H. S.** Postwar dental guidance. J. Second Distr. Dent. Soc. N. York, 1945, **31**: 175–8.—**Guide** (A) for dentists who enter Army service; changing from civilian to military life requires rapid adjustment. Oral Hyg., Pittsb., 1942, **32**: 1332.—**Harper, N. A.** The value of contacts with reserve officers. Dent. Bull., Carlisle, 1938, **9**: 79–81.—**Iowa** dentists in war service. Iowa Dent. Bull., 1942, **28**: 101–5.—**Is** the supply of dentists adequate for the Army? the dental requirements of the armed forces have been widely misinterpreted. Oral Hyg., Pittsb., 1942, **32**: 1199.—**kleinert, C. H.** A veteran talks to dentists in Service. Ibid., 1624–7.—**Leases** on dental offices of men called into military service. J. Am. Dent. Ass., 1942, **29**: 1132.—**Lessard, P. J.** Postwar readjustments for the military dentists. Dent. Items, 1944, **66**: 670–2.—**McClain, M.** Five dental wives, and the war. Oral Hyg., Pittsb., 1942, **32**: 1190–3.—**Protection** (The) of the practices of dentists on full-time war service. Austral. J. Dent., 1942, **46**: 59.—**Resources** of dental profession made available to country for war needs. Illinois Dent. J., 1942, **11**: 3–5.—**Scherer, W. H.** President's message; when the dental officer returns. J. Am. Dent. Ass., 1946, **33**: 21–4.—**You** may be away for a long time; some practical suggestions to the dentist entering military service. Oral Hyg., Pittsb., 1943, **33**: 174–7.

—— Navy.

Erdman, R. F. Dental inactivation in the Reserve Fleet. U. S. Nav. M. Bull., 1947, **47**: 1022–6.—**Tartre, J. A.** The training of medical department officers in the Navy, with particular reference to the indoctrination of dental reserve officers ordered to active duty. J. Am. Dent. Ass., 1943, **30**: 709–12.

—— Organized Reserve Corps.

Dental (The) Reserve Corps. Dent. Bull., Wash., 1936, **7**: 19–26.—**Gaynor, C. J.** The Organized Reserve Corps: procurement, training, distribution and purpose of the medical section. Ibid., 1937, **8**: 111–21.—**O'Dell, C. W.** The organized Dental Reserve Corps. Dent. Student, 1928–29, **7**: No. 3, 24.—**Rogers, J. A.** Dental assistants' and hygienists' service in U. S. Army hospitals. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 117, 1.

DENTAL school.

See under **School.**

DENTAL service.

See also **Camp,** Medical service; **Dental care; Hospital service,** dental; **Prisoner of war,** Dental care.

Cáceres, P. S., & Taddia, R. E. Los servicios estomatológicos en la guerra. Rev. san. mil., B. Air., 1941, **40**: 520–6.—**Entine, D. A.** L'assainissement des dents et l'importance de cette mesure pendant la paix et la guerre. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **2**: 211–4.—**Fairbank, L. C.** Orthodontics; its place in military dentistry. Am. J. Orthodont., 1940, **26**: 313–9.—**Geismar, A.** Dentistry on wheels at the front. War Med., Chic., 1942, **2**: 168 (Abstr.)—**Johnson, H. J.** The need for periodic dental attention. Proc. Life Ext. Exam., 1941, **3**: 139–41.—**Moss, H. M.** A plan for dental service in wartime. N. York J. Dent., 1942, **12**: 139–41.—**Taylor, R. S.** Guardians of the army's health. Dent. Mag., Lond., 1930, **47**: 178–84.—**Vivanco Furst, H.** Organización de algunos servicios odontológicos militares latinoamericanos. Rev. odont., B. Air., 1936, **24**: 84; 213; 289.

—— Air service.

Daily dental air service to Russian guerrillas. Dent. Mag., Lond., 1944, **61**: 111.

—— Mobile unit.

See also **Dental laboratory; Vehicle,** dental.

FOSTER, J. M. Mobile dental operating units. 27 l. 28cm. Dayton, 1944.

Forms No. TSELA–5B–698–26A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Mobile dental operating units. 51 l. 27cm. Dayton, 1944.

Forms No. ENG–49–698–26, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Cullen, R. L. The Navy dentist and the portable field dental unit No. 35. U. S. Nav. M. Bull., 1944, **42**: 461–3.—**Guillobey, J., & Coutié, M. R.** Le groupe dentaire mobile. Rev. Corps san. mil., Par., 1947, **3**: 266–82.—**Johnson, J. B., jr, & Wilson, G. H.** The mobile dental operating unit. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 486–532.—**Kahn, S. H.** Mobile dental units; American Navy's new service. Hosp. & Health Management, 1946, **9**: 322.—**Lott, F.** The mobile clinic of the Canadian Dental Corps. J. Canad. Dent. Ass., 1941, **7**: 431–4.—**Mobile** dental surgeries. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 11–4, illust.—**Williams, J. P.** A division dental clinic in the field. Bull. U. S. Army M. Dep., 1944, No. 77, 100–3.

—— by countries.

Australian Army Medical Corps Dental Service. Dent. J. Australia, 1943, **15**: 151–4.—**B.** De militair tandheelkundige dienst in Indië. Tschr. tandheelk., 1948, **55**: 155.—**Castroverde, J. A. de.** La colaboración odontológica en los frentes de guerra; externo e interno. Policía secr. nac., Habana, 1942–43, **11**: 200–2.—**Cavalcanti Filho, C.** A odontologia na marinha de guerra. Rev. Ass. paul. cirurg. dent., 1947–48, **1**: No. 2–3, 43–6.—**Douglass, G.** The essential fundamentals of an army dental service in peace. Proc. Congr. Austral. Dent. Ass. (1939) 1940, 10. Congr., 798–802.—**Gaál, K.** [Plan for the organization of dental care in the Army] Népegészségügy, 1940, **21**: 281.—**Haddon-Rowat, F. H.** Army dental services; a retrospect. S. Afr. Dent. J., 1949, **23**: 131–3.—**Male, L. G.** The role of dental services in peace and war. Austral. J. Dent., 1938, **42**: 320–2.—**Muylaert, P. O.** O dentista nas corporações militares. Rev. farm. odont., Niterói, 1942, **8**: 141–3.—**Pavía Espinosa, M.** Segunda Convención de médicos militares mexicanos; organización del servicio odontológico militar al dotarse al Ejército nacional de los elementos indispensables para el cuidado de su boca y de sus dientes. Rev. odont., Méx., 1941, **13**: No. 61, 1–8.—**Piatnicky, F.** Opyt raboty s zubnymi vrachami. Voen. san. delo, 1940, No. 6, 80.—**Rojas García, A.** El servicio odontológico del Territorio Militar del Chaco. Rev. san. mil., Asunción, 1944, No. 141, 119–27.—**Toro F., C.** Organización del Servicio dental militar en tiempo de paz y en campaña. Bol. Esc. odont., Quito, 1944, **2**: 4–16.—**Valenzuela Donoso, M.** Servicios odontológicos del ejército de Chile. Rev. odont., B. Air., 1929, 844–6.—**Villanueva Meyer, J.** Los servicios odonto-estomatológicos en campaña. Bol. Esc. odont., Lima, 1938, **2**: 9–14.

—— by countries: Belgium.

Graulich, H. Projet d'une organisation idéale du Service dentaire à l'Armée belge. J. dent. belge, 1940, **31**: 47–55.—**Zeckendorf.** Le service dentaire au Service de santé en temps de paix, tel qu'il est et tel qu'il pourrait être. Ibid., 24–42.

—— by countries: Canada.

Canadian Army Notes on Winter Warfare. Pamphlet No. 9: Dental service, 1945 (Provisional) 37p. 18½cm. Ottawa, 1945.

Cameron, G. L. Dental services. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 6, 88–90.—**Dental** service to the Air force. J. Canad. Dent. Ass., 1940, **6**: 249–52.

—— by countries: Finland.

Hahl & Dieck. Der Militärzahnarzt in der finnischen Armee. Suom. hammaslääk. toim., 1918, No. 22, 37–40.—**Sivén, G.** Tandvården bland vår militär. Ibid., 1919, No. 24, 34–57.

—— by countries: France.

Chateau, J. L'hygiène et les soins dentaires dans les écoles et dans l'armée. C. rend. Ass. fr. avance. sc. (1904) 1905, **33**: pt 2, 1565–7.—**Lacronique.** La stomatologie dans l'organisation du service de santé aux armées et à l'intérieur. Rev. stomat., Par., 1939–40, **41**: 761–76.

—— by countries: Germany.

Axhausen, G. Der Zahnarzt im Kriegsanitätsdienst. Ber. Deut. Ges. Zahn &c. Heilk. (1937) 1938, 74. Tag., 2. T., 401–15.—**Luerssen.** Ergänzungsvortrag zum Thema: Der Zahnarzt im Kriegssanitätsdienst. Ibid., 415–8.—**Pieritz, G.** Die Versorgung Zahn-, Mund- und Kieferkranker an Bord grösserer Einheiten der Kriegsmarine. Münch. med. Wschr., 1943, **90**: 496–9.—**Schmuziger, P.** Der Zahnarzt im Kriegssanitätsdienst. Schweiz. Mschr. Zahnh., 1939, **49**: 165–72.

—— by countries: Great Britain.

Great Britain. Royal Army Dental Corps. Army dental centres. MS. 94p. [n. d.]

MS. in Histor. Div. SGO U. S. Army.

Austin, A. B. Dental service in the British Army. Mil. Surgeon, 1943, **93**: 117–23.—**Compte, D.** Odontólogos en la guerra; su actuación en Gran Bretaña. Día méd., B. Air., 1949, **21**: 980.—**Elliot, W. E.** The dental service of the army. Med. Press & Circ., Lond., 1941, **206**: 290.—**Fletcher, E. E.** The Naval Dental Service. Brit. Dent. J., 1914, **35**: 1160–7.—**Kaye, J.** Army dental service in the United Kingdom. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1**: No. 3, 51.—**Lyon, H. J.** Post war dental services. Brit. Dent. J., 1941, **70**: 196.—**Mobile** dentistry in the Royal Air Force. J. R. Inst. Pub. Health, 1944, **7**: 322.—**Parrott, A. H.** War-time emergencies. Dent. Rec., Lond., 1939, **59**: 481–91.—**Planning** for dental services. Brit. M. J., 1941, **2**: Suppl., 25.—**Rankin.** Facts, figures and finance from Army dentistry of relative importance to state dentistry. Dent. Rec., Lond., 1920, **40**: 354–60.—**Wood, C. E.** Dentistry in the Royal Navy. Brit. Dent. J., 1920, **41**: 266–9.

—— by countries: Japan.

Arioli, P. C., & Ayres, P. B. Dentistry in the Japanese Armed Forces. 15p. 25½cm. [n. p.] 1945.

Forms No. M–02, Med. Targets.

Harrill, C. H. Dentistry in the Japanese Armed Forces. Bull. U. S. Army M. Dep., 1945, No. 88, 102.—**Kawamata, T., & Satō, S.** Yora no keiken-seru gunzin sika-teki tiryō no ni-san ni tuite [...dental treatment in the Army] Sikwa geppo, 1941, **21**: 142–6.—**Matumoto, S.** Gunzin ni okeru sika-teki tiryō [Dental treatment in the army] Ibid., 1942, **22**: 51–6.

—— by countries: Spain.

Casasnovas, D. Comisión para el estudio de la implantación del servicio odontológico en el ejército y la armada. Actas Congr. dent. españ. (1911) 1912, 6. Congr., 303–31. —— Bases para la implantación del servicio odontológico en el ejército y la armada, asi en tiempo de paz como en el de guerra. Ibid., (1916) 1917, 8. Congr., 266–71.—**Montull, R.** Consideraciones sobre el servicio odontológico en la beneficencia, en el ejército y en la armada. Ibid., (1909) 1910, 5. Congr., 212–4.—**Ribera Sanchis, A.** Recuerdos sobre la campaña odontológica en el frente del Este. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 685; passim.

—— by countries: Sweden.

Thourén, G. Om organisationen av tandvården vid armén. Sver. tandläk. förb. tidn., 1942, **34**: 299–329.

—— by countries: United States.

Dental activities increase on many fronts as nation marshals all resources for war. Illincis Dent. J., 1942, **11**: 59–76.—**Fairbank, L. C.** The dental service in the military establishment. Mil. Surgeon, 1941, **88**: 29–31.—**Kanter, J. C., & Nash, S. L.** Dental program of an amphibious force. U. S. Nav. M. Bull., 1945, **45**: 700–4.—**Kelly, E. K.** Problems of providing professional dental care for one and a half million men. J. Am. Dent. Ass., 1942, **29**: 100–5.—**Koch, C. R. E.** Report of the Committee on Army and Navy Dental Legislation. In his Dent. Surg., Chic., 1909, **1**: 142.—**New** directive on dental service during the war. Army Dent. Bull., 1942, **13**: 193.—**Tingay, L. H.** A discussion of dental service in a theater of operations and suggested changes. Mil. Surgeon, 1947, **101**: 414–22.—**Welch, M. H.** Dental service in the European Command. Ibid., 392–5.

—— by countries: United States: Air Force.

Kennebeck, G. R. Dental service of the U. S. Air Forces. Mil. Surgeon, 1947, **101**: 385–92. Also Texas Dent. J., 1950, **68**: 13–6.

—— by countries: United States: Army.

Administrative notes from the dental service, office of the Surgeon General. Army Dent. Bull., 1942, **13**: 127.—**Brann, C. T.** Dental service in an Army camp. Mil. Surgeon, 1945, **96**: 334–6.—**Brauer, J. C.** Rehabilitation by the Army Dental Corps. J. Kansas State Dent. Ass., 1945, **29**: No. 2, 23–5. Also Mil. Surgeon, 1945, **96**: 145–8.—**Brazeau, J. D.** Dentists go with the troops. Oral Hyg., Pittsb., 1943, **33**: 324–7.—**Cunningham, J.** Dental service at the 2nd Medical General Dispensary, Frankfurt, Germany. Mil. Surgeon, 1947, **101**: 220–2.—**Dental** service; accepted procedures, not experimentation. Bull. U. S. Army M. Dep., 1944, No. 82, 20.—**Dental** service in the army, and dental education as influenced by present war conditions. Dent. Rev., Chic., 1918, **32**: 867–9.—**Dental** service in the E. T. Med. Bull. U. S. Chief Surg., Europ. Theater, 1946, **1**: No. 1, 39–43.—**Dental** (The) Service in relation to the organization of the Army. Dent. Bull.,

Carlisle, 1941, **12**: 197–200.—**Fairbank, L. C.** Medical and dental relations in the U. S. Army. J. Second Distr. Dent. Soc. N. York, 1938–39, **24**: 645–51. ——— The dental policy of the Medical Department, U. S. Army. Dent. Bull., Carlisle, 1939, **10**: 57–67. Also Mil. Surgeon, 1939, **84**: 308–17. ——— Prosthetic dental service for the Army in peace and in war. J. Am. Dent. Ass., 1941, **28**: 798–802.—**Fauber, J. E.** Dental service at Camp Edwards. Bull. Massachusetts Dent. Soc., 1943, **19**: No. 4, 15.—**French, W. I.** Army medico-dental relationship. Mil. Surg., 1939, **85**: 232–8.—**Gage, H. C.** A letter to Dr Clyde Englund. J. Colorado Dent. Ass., 1942–43, **21**: 56–9.—**Harper, N. A.** Dental service with tactical units. Army Dent. Bull., 1942, **13**: 87–94.—**Jeffcott, G. F.** Command responsibility for adequate dental service. Mil. Rev., Fort Leavenw., 1947–48, **27**: No. 5, 39–42.—**Laflamme, F. L. K.** Dental service for C. C. C. enrollees in the Eighth Corps Area. Dent. Bull., 1938, **9**: 190–2.—**Ludwig, H. R.** With the Army. Oral Hyg., Pittsb., 1918, **8**: 145–7.—**Metz, K. H.** Dental service in a theater of operations. Mil. Surgeon, 1949, **104**: 105–13.—**Milburn, E.** Dental service in the Army. Bull. Massachusetts Dent. Soc., 1943, **19**: No. 4, 10–4.—**Nelson, C. A.** Prosthetic service in the Army. J. Am. Coll. Dentists, 1942, **9**: 191–4.—**Rich, W.** With our military forces. Alpha Omegan, Phila., 1943, **37**: 130–4.—**Smith, T. L.** The dental service in the postwar Army. Mil. Surgeon, 1947, **101**: 376–8.—**Sorber, O. M.** The U. S. Army Dental Service. Frater, Menasha, 1903–04, **3**: 5–8.—**Tingay, L. H.** Dental field service. Mil. Surgeon, 1949, **104**: 179–83.—**Triviño Rodríguez, J.** Como tienen organizado el servicio de odontología en el Cuerpo dental del Ejército de los Estados Unidos. An. españ. odontoestomat., 1946, **5**: 521–46.—**Undesirable** tendencies revealed by monthly reports of dental service. Dent. Bull., Carlisle, 1941, **12**: 324–6.—**W., A.** A plan for providing dental service for military registrants. N. York J. Dent., 1942, **12**: 95.

—— by countries: United States: Navy.

Dental health service in the Navy. J. Am. Dent. Ass., 1942, **29**: 846–9.—**Grant, W. H.** Prosthetic service in the Navy. J. Am. Coll. Dentists, 1942, **9**: 194–7.—**Grunewald, A. H.** Prosthetic dentistry in the United States Navy. J. Am. Dent. Ass., 1941, **28**: 606–13.—**Harrison, M. E.** The dental service of the Navy of the United States. Ibid., 1928, **15**: 265.—**Morrow, C. E.** The Dental Department [School of Aviation Medicine] Contact, Pensacola, 1942, **2**: 64.—**Rehrauer, W.** Organization and administration of the dental service at a large Naval training station. Mil. Surgeon, 1947, **100**: 498–503.—**Ulen, F. G., & Allen, C. E.** Dental planning afloat and ashore. U. S. Nav. M. Bull., 1944, **42**: 1245–68.

—— by countries: United States: Veterans Administration.

United States. Veterans Administration. Technical bulletin TB 10A–41: Revised instructions for preparation of VA Form 10–7309, Monthly Report of Dental Activities, reports control symbol 10CE–8. 2p. 27cm. Wash., 1947.

Beers, L. Y. Present dental objectives and policies of the Veterans' Administration. Mil. Surgeon, 1945, **96**: 251–4.—**Cruttenden, L. M.** Dentistry in the Veterans' Administration. Illinois Dent. J., 1946, **15**: 457–62.—**Fowler, M. M.** Dental service in Veterans' Administration. N. York J. Dent., 1947, **17**: 61–7. ——— **Kennedy, E. M.** [et al.] Dental service in the Veterans Administration. Mil. Surgeon, 1947, **101**: 378–85.—**Fritz, G. B.** Dentistry in the Veterans Administration. Oral Hyg., Pittsb., 1946, **36**: 426–32.—**G., M. H.** Dental service for discharged Armed Forces personnel. J. Canad. Dent. Ass., 1945, **11**: 81–3.—**Irwin, V. D.** The dental program of the Veterans Administration. Mil. Surgeon, 1947, **100**: 215–20.—**Mead, S. V.** The Veterans Administration program. New York Dent. J., 1947, **13**: 90–2.—**Small, J. J.** Operation of the dental program of the Veterans Administration in Pennsylvania. Pennsylvania Dent. J., 1946–47, **14**: 248–50.—**Veterans** (The) Administration is stepping up the number of dental clinics from 100 to approximately 200. Dent. Health, Wash., 1946, **6**: 17–21.—**Voyles, J. S.** The Veterans Administration and dental service. J. Missouri Dent. Ass., 1947, **27**: 232.

—— by countries: Yugoslavia.

Pulja, A. [Dental aid during war] Voj. san. glasnik, 1940, **11**: 39–56.

DENTAL supply.

See also **Dental equipment; Dental instrument; Denture.**

Hammersberg, R. E. Notes on dental supplies and equipment during World War II. Mil. Surgeon, 1947, **101**: 409.—**Joyner, M. S.** The problem of supply of dental equipment and stores. Austral. J. Dent., 1943, **47**: 233–5.—**Taylor, N. O.** Dental materials. Q. Project Summary Off. Nav. Res., 1948, July, 424.—**Wrought** gold alloy treatment. Bull. U. S. Army M. Dep., 1944, No. 83, 15.

DENTAL surgeon.

See also **Dental officer; Staff.**

Jaffer, J. H. The dental surgeon with combat troops. Mil. Surgeon, 1940, **87**: 171–4.—**Kelley, N. D.** The need of dental surgeons in the Navy. Tr. California Dent. Ass. (1908) 1909, 35. Sess., 52.—**Vaughton, A. J.** Dental surgeons in the forces. Brit. Dent. J., 1942, **72**: 174.

DENTAL surgery [incl. oral]

See also **Dentistry; Plastic surgery; Stomatology;** also **Injury**—by organs and regions.

Bainbridge, W. S. La cooperación del cirujano y el dentista en la práctica militar. Rev. san. mil., Habana, 1942, **6**: 335–46.—**Caballol y de Vera, F.** Importancia de la estomatología en el ejército. Ibid., 1940, **4**: 149–51.—**Hemberger, A. J.** Oral surgery; its practice and problems in the Army Dental Corps. Mil. Surgeon, 1945, **96**: 257–9.—**Howarth, V.** A model dental surgery at the Military Exhibition, Hereford. Brit. Dent. J., 1944, **77**: 47.—**Lyons, C. J.** War dental surgery. J. Ass. Mil. Dent. Surg. U. S., 1919, **3**: 3–12.—**Seldin, H. M.** War dental surgery. J. Florida Dent. Soc., 1943, **14**: No. 11, 13–22. Also J. Second Distr. Dent. Soc. N. York, 1943, **29**: 263–74.—**Stout, R. A.** Military dental surgery. Surg. Clin. N. America, 1941, **21**: 1803–7.—**T., K. H.** Oral surgery in war and civilian defense. Am. J. Orthodont., 1942, **28**: Oral Surg., 316.

DENTAL technician.

See also **Medical technician; Technician.**

United States. Army Dental School [Washington, D. C.] Course for dental technicians, seventeenth session, September 15, 1938 to September 14, 1939. 8 l. 26½cm. Wash., 1938.

Forms No. 214, A. M. C. U. S. Army M. Center.

United States. Naval Dental School [Bethesda, Md.] Handbook for dental prosthetic technicians. 350p. 27cm. Bethesda, 1948.

United States. War Department. Technical manual, TM 8–225: Dental technicians. 200p. 21½cm. Wash., 1942.

United States Army. Army and Navy General Hospital. Enlisted Technician's School. Text, dental section; compiled by Sodus A. Collins [and] Joseph J. Hoffrichter. 164p. 26cm. Hot Springs, 1943.

United States Army. Letterman General Hospital, Enlisted Technician's School. Manual for dental technicians. Rev. & repub. 1943. 147p. 27cm. S. Franc., 1943.

United States Army. Medical Department Enlisted Technicians School [Fort Sam Houston, Tex.] Course for dental technicians. v. p. [128]p. 26cm. Fort Sam Houston [1942?]

Lott, F. Canadian Dental Corps technicians' course. J. Canad. Dent. Ass., 1941, **7**: 395.—**Stillerman, J. I.** U. S. Navy pharmacist's mates (DP) dental prosthetic technicians. Dent. Students Mag., 1944–45, **23**: No. 10, 25–8.—**U. S. Navy** trains dental technologists. Oral Hyg., Pittsb., 1944, **34**: 382.

DENTIST.

See also **Civilian defense worker; Dental officer; Dental reserve; Draft; Reserve officer.**

Carpenter, C. H. The Army dentist as a factor in what is the matter with dentistry. Oral Hyg., Pittsb., 1919, **9**: 921.—**Clevenger, L.** My husband is an Army dentist. Ibid., 1943, **33**: 34–6.—**Dentists;** their position and work in the French Army. Ash's J., Lond., 1918, 167–70.—**Dentists** refused commissions, the Allied Dental Council intercedes for applicants. Dent. Outlook, N. Y., 1943, **30**: 250–4.—**Medicodental** relations in the armed services. J. Am. Dent. Ass., 1944, **31**: 696.—**Obrey, L. J.** The Navy dentist, a versatile man. Bull. Massachusetts Dent. Soc., 1943, **19**: No. 3, 18–22.—**Schure, J.** Signs, dentists and the Army. Dent. Outlook, N. Y., 1943, **30**: 247–9.—**Willman, W.** The armed forces in the dental schools. Illinois Dent. J., 1943, **12**: 348.—**Women** dentists in the forces. Brit. Dent. J., 1943, **74**: 215.

—— Defense role.

See also **National defense; Preparedness;** also **Manpower.**

Catchpole, R. Dental man power. Brit. Dent. J., 1942, **72**: 99.—**Clarke, N. F.** England expects. Ibid., **73**: 117.—**Dental** man power. Ibid., 1941, **70**: 375.—**Dental** man power in England. N. York J. Dent., 1942, **12**: 25.—**Dentists** in training to aid physicians. J. Am. M. Ass., 1942, **120**: 543.—**Douglass, G.** The dental profession in its relation to national preparedness for defence. Dent. J. Australia, 1939, **11**: 537–50.—**Flagstad, C.** Wartime responsibility of the dentist. Northwest Dent., 1945, **24**: 27–9.—**Futterman, M. J.** Effective utilization of dental manpower. Dent. Outlook, N. Y., 1942, **29**: 546–8.—**Grubin, S.** The dentist in wartime. J. Second Distr. Dent. Soc. N. York, 1940–41, **26**: 153–5.—**Klein, H.** Dental needs versus dental manpower. J. Am. Dent. Ass., 1944, **31**: 263–6.—**Lott, F.** The place of a dentist in the national emergency. J. Canad. Dent. Ass., 1941, **7**: 355–7.—**Mills, R. H.** Dentistry's contribution to the war effort. J. Florida Dent. Soc., 1944, **15**: 10–3.—**Oliver, O. A.** A message to the dental profession. Am. J. Orthodont., 1942, **28**: 258.—**Preparedness,** mobilization. J. Am. Dent. Ass., 1942, **29**: 106–9.—**Relation** (The) of the dentist to the nation's war effort. Illinois Dent. J., 1943, **12**: 232–41.—**Requirements** of dental man-power. Month. Bull. Health Statist., Lond., 1944–45, No. 12, 28–32.—**Ross, D.** There is no shortage of dentists. Oral Hyg., Pittsb., 1942, **32**: 1476–8.—**Salzmann, J. A.** Dentistry in war. N. York J. Dent., 1942, **12**: 378.—**Schram, D. F.** U. S. aids dentists in war areas. Oral Hyg., Pittsb., 1943, **33**: 794–7.—**Siegal, L. R.** War and the dentist. Bull. Connecticut Dent. Ass., 1942–43, **19**: 31–6.—**Strusser, H.** Dental manpower and war needs. N. York J. Dent., 1942, **12**: 142–4. ——— The supply of dentists. Med. Care, 1943, **3**: 164.—**Turner, E. C.** Increasing the dental output to meet the demands of war. Brit. Dent. J., 1941, **70**: 85–8.—**War** and the dentist. Illinois Dent. J., 1942, **11**: 334–42.—**Wells, C. R.** Role of dentistry in the war effort. J. Am. Dent. Ass., 1942, **29**: 835–41.

DENTISTRY.

See also **Dental service; Dental surgery;** also **Research,** dental.

Alvarez Boettiger, R. Odontología militar. ADM, Méx., 1949, **6**: 305–11.—**Koch, C. R. E.** Dentistry in armies and navies. In his Hist. Dent. Surg., Chic., 1909, **1**: 134–55.—**Militaere** (Den) tandpleje. Tandlaegebladet, 1948, **52**: No. 10a, 83–5.—**Oliver, O. A.** The importance of medico-dental cooperation. Mil. Surgeon, 1938, **83**: 329–39.—**Schantz, C. W., & Scrivener, C. A.** Military dental esthetics and psychology. U. S. Nav. M. Bull., 1945, **44**: 593–5.—**Speakman, L. C.** War dentistry. Oral Hyg., Pittsb., 1918, **8**: 22–6.

—— Aviation dentistry.

See also **Altitude,** Dental and oral effect.

Mitchell, D. F. A bibliography of aviation dentistry. 5p. 27cm. Randolph Field, 1945.
Forms No. 1, Rep. Proj. No. 391, U. S. Air Force School Aviat. M.

—— [Another edition] 8p. 27cm. Randolph Field, 1946.
Forms No. 2, Rep. Proj. No. 391, U. S. Air Force School Aviat. M.

Orban, B. Problems in aviation dentistry: Experimental studies of pulp changes produced in the decompression chamber; final report. 1p. 28cm. Wash., 1945.
Forms No. 481, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. School of Aviation Medicine. Aviation dentistry. 2. Conference, 12–14 November, 1945. 12p. 27cm. Randolph Field, 1945.

Andrews, N. H. A study of the dental status of male and female personnel who enlisted in the Royal Australian Air Force during the 1939–45 war. Austral. J. Dent., 1948, **52**: 12–24.—**Coda, O. C., & Cambiaggi, J. E.** La ficha odontológica en el personal aeronavegante. Rev. san. mil., B. Air., 1946, **45**: 520–30.—**Effect** of aviation conditions on the dental pulp and periosteum; vibration. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 1.—**Flying** and dentistry. Air Surgeon Bull., 1944, **1**: No. 12, 1–4.—**Foster, J. M.** Mobile dental operating unit. Ibid., 7.—**Hester, W. R.** Minimizing trauma to dental nerve tissue. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 1.—**Kennebeck, M. E.** Dental suggestions. Flight Surgeon Topics, 1937, **1**: No. 4, 29–31, 2 pl.—**Levy, B. M.** Aviation dentistry. Am. J. Orthodont., 1943, **29**: Oral Surg., 92–5.—**Reynolds, O. E., Hutchins, H. C.** [et al.] Aerodontalgia occurring during oxygen indoctrination in the low-pressure chamber. U. S. Nav. M. Bull., 1946, **46**: 845–76.—**Sognnaes, R. F.** Further studies of aviation dentistry dental symptoms reported by fighterpilots exposed to prolonged high altitude operations. Norske tannlaegeforen. tid., 1946, **56**: 306–13.—**White, D. P.** Preliminary bite-wing roentgenographic examination of Naval aviation cadets. U. S. Nav. M. Bull., 1944, **43**: 901–8.

—— Conferences.

See also **Military medicine,** Congresses.

Assemblée générale de l'amicale des dentistes militaires de terre, de mer et de l'air de la 4. région. Inform. dent., Par., 1948, **30**: 983–5.

—— Evaluation.

Harvey, W. The application to civilian practice of some dental lessons of the last war. Brit. Dent. J., 1946, **81**: 111–22.—**Wood, J. T., Broderick, R. A., & Rushton, M. A.** The application to civilian practice of some dental lessons of the last war. Ibid., 73–81.

—— Forensic aspect.

See also **Forensic medicine.**

Cáceres, P. S. Algunas reseñas sobre odontología legal. Rev. san. mil., B. Air., 1943, **42**: 257; 335; 411; 511; 608; 665.

—— Instruction.

See also **Dental officer,** Education and training.

Clark, S. W. The military medico-dental training course as viewed by the dental school. Dent. Bull., Wash., 1938, **9**: 184–5.—**Dyce, J. M.** The army training film: Our teeth. In his Photogr. Aids Clin. Dent. Pract., Lond., 1948, 62–85.—**Fairbank, L. C.** The unification of medical and dental education in the basic sciences. Mil. Surgeon, 1939, **85**: 277–84.—**Heflebower, R. C.** Military medico-dental training course. Dent. Bull., Wash., 1938, **9**: 168–83.—**Hogan, B. W.** The Navy predental program. J. Am. Dent. Ass., 1943, **30**: 1923–5. ——— The predental and dental phases of the Navy V–12 program. J. Dent. Educ., 1943–44, **8**: 93–9.—**Hunter, W. A.** Dental training program at Leavenworth, Kansas. Dent. Laborat. Rev., 1949, **24**: 29–38.—**Institute** (An) of war medicine and surgery for dentists; valuable course offered in Chicago to prepare dentists for war service. Oral Hyg., Pittsb., 1942, **32**: 1346–8.—**MacLane, C. C.** The first annual military medico-dental training course for medical department reserve officers, Chicago, Illinois. Mil. Surgeon, 1938, **83**: 235–8.—**Meyer, G. E.** The military medico-dental training course as viewed by the dental student. Dent. Bull., Wash., 1938, **9**: 186–9.

—— Lectures and manuals.

American Dental Association. Dental Preparedness Committee. Lectures on military dentistry. 104p. 23½cm. n. p., 1941[?] Also Rev. ed. 105p. 23cm. [n. p., 1942?]

Institute of War Medicine and Surgery for Dentists [Chicago, 1942] Lectures on war medicine and surgery for dentists. 172p. 25cm. Chic., 1943.

Yamasaki, K. Gunzin sika [Military dentistry] 338p. 22½cm. Tōkyō, 1937.

—— Methods.

See also other subheadings; also **Dental service; Denture.**

Accepted dental therapeutics and procedures. Bull. U. S. Army M. Dep., 1943, No. 69, 14.—**Berényi, B.** Uj implantációs fogpótlás. Honvédorvos, 1950, **2**: 97.—**Ellison, C. C.** Cold and heat therapy in dentistry. Mil. Surgeon, 1939, **85**: 241–6.—**Lusterman, E. A.** Some practical suggestions in operative dental procedure. Ibid., 1947, **101**: 116–9.—**Matumoto, H., Takahasi, S., & Takimoto, K.** Gaku-sensyō no izyō yugō ni yoru kōsa kōgō ni tai-suru kinō-teki gaku-kyōseihō no ōyō ni tuite [The use of methods of functional orthodontia for decussate occlusion due to healing in abnormal positions of war wounds on the jaws] Kōkūbyōgakkai zassi, 1941, **15**: 485.—**Oring, S. M.** Colloid impression techniques. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **3**: 50.—**Taylor, A. R.** Soldering and dentistry. Hosp. Corps Q., 1944, **17**: 55–9.—**Weiner, L.** The local use of sulfanilamide and sulfathiazole in extraction wounds; a preliminary report. Mil. Surgeon, 1942, **90**: 157–64.

—— preventive.

See also **Dental hygienist; Paradentosis.**

Dennard, W. E. Preventive dentistry. Hosp. Corps Q., 1945, **18**: No. 4, 9.—**Fairbank, L. C.** The dental aspects of preventive medicine. Mil. Surgeon, 1939, **84**: 11–5.—**Fischer, E. T.** Our opportunity for preventive dental medicine. Ibid., 1943, **92**: 17–25.—**Preventive** dentistry. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 12, 14–6.

—— prosthetic.

See also **Dental laboratory; Dental service—by countries: U. S.; Denture; Prosthesis.**

Cummer, W. E. The teaching of war prosthesis and orthognathia. Proc. Am. Inst. Dent. Teachers, 1919, **26**:

69–75.—**Harper, N. A.** Orthodontic properties of certain prosthetic restorations. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, 4: 21–3.—**Martinier, P., & Roy, M.** La prothèse dentaire dans la chirurgie de guerre. Presse méd., 1914, 22: 646.—**Saltsman, A. N.** Applying esthetic principles to prosthetic dentistry. Hosp. Corps Q., 1944, 17: No. 5, 104–7.

—— Radiology.

See also Radiology.

Force, R. W. The value of intra-oral radiographs in diagnosis; their use and abuse. Mil. Surgeon, 1940, 87: 429–3.—**Molt, F. F., & Feeley, N. O.** Instructions in roentgenographic procedures for dental officers. Dent. Digest, 1944, 50: 13–8.

—— by countries.

Clark y Mascaró, J. M. Evolución de los servicios de cirugía dental en nuestro Ejército. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 135–44, illust.—**Dentistry** in the Chinese Army. Bull. U. S. Army M. Dep., 1944, No. 78, 42.—**Dimitrescu, D.** Organizarea şi funcţionarea serviciului stomatologic in campanie; opera de asistenţă stomatologică in timp de război. Rev. san. mil., Bucur., 1936, 35: 1112–26.—**Fernández Herráiz, J.** La odontología en el ejército. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 102–6.—**Frutiger, R. E.** Dentistry in the German Army. Bull. U. S. Army M. Dep., 1944, No. 73, 100–3. Also J. Kansas State Dent. Ass., 1944, 28: No. 2, 30, &c.—**Lott, F. M.** An historical outline of dentistry in the British and Canadian forces. J. Canad. Dent. Ass., 1941, 7: 12–4.—**McCay, A. R.** Dentistry in New Guinea. Dent. Mag., Lond., 1938, 55: 29–39.

—— by countries: Great Britain.

Woods, S. H. An outline of dentistry in the British Army, 1626–1938. Brit. Dent. J., 1939, 66: 147–60. Also J. R. Army M. Corps, 1939, 73: 130; 200. Also Proc. R. Soc. M., Lond., 1938–39, 32: Sect. Hist. Med., 99–112.

—— by countries: United States.

Fairbank, L. C. Dentistry in national defense. Washington Univ. Dent. J., 1941–42, 8: 45–51.—**Present** status of dentistry in the Armed Forces. Illinois Dent. J., 1944, 13: 198–206. Also J. Am. Dent. Ass., 1944, 31: 270–7.

—— by countries: United States: Army.

Army Surgeon General speaks. Dent. Digest, 1943, 49: 498–507.—**Dentistry** in the Army. J. Am. Dent. Ass., 1944, 31: 1506–8.—**Glascock, C. H.** The progress of dentistry and the Army Dental Corps. Dent. Bull., Wash., 1936, 7: No. 4, 181–91.—**Livermore, A. R.** Army dentistry. Oral Hyg., Pittsb., 1918, 8: 267.—**Rollins, F. G.** Concerning Army dentistry. Ibid., 1919, 9: 1397.

—— by countries: United States: Navy.

Dentistry in the Navy. Dent. Items, 1944, 66: 980–1000.—**Dentistry's** role in the Navy. Dent. Surv., 1942, 18: 652.—**Pavone, P.,** jr. United States Marine Corps [field dentistry] Dent. Items, 1944, 66: 357–62.

—— in war.

Brauer, J. C. War dentistry. Mil. Surgeon, 1944, 94: 93. ——— Contributions of dentistry to World War II. Merck Rep., 1945, 54: 12–5.—**Clawson, D.** Dentistry in global war. Dent. Health, Wash., 1943, 2: 6–8. ——— Dentistry in total war. Proc. Am. Ass. Dent. Schools, 1943, 20: 188–98.—**Dentistry** in war time. Brit. Dent. J., 1940, 69: 136.—**Dorea, A.** Aspectos da odontologia de guerra. Rev. med. cir. Brasil, 1942, 50: 941–7.—**Doubleday, F. N.** In war time. J. Canad. Dent. Ass., 1941, 7: 425–9.—**Fairbank, L. C.** Dentistry and the national defense. Am. J. Orthodont., 1940, 26: 1074–82. ——— Dentistry's part in this great emergency. J. Kansas Dent. Ass., 1941, 25: No. 3, 17–21.—**Gibbs, M. D.** Dentistry and the World War. Tristate M. J., 1941–42, 14: 2760.—**M., W. H.** Dentistry and national defense. N. York J. Dent., 1940, 10: 293.—**McGee, R. P.** Some things we learned in the war. Oral Hyg., Pittsb., 1920, 10: 1016; 1217; 1383.—**Oddens, W.** [Experiences during the war-days in the municipal hospital at the Hague] Tschr. tandheelk., 1941, 48: 395–408, 15 pl.—**Reesman, W. L.** Dentistry in the war. Dent. Outlook, N. Y., 1943, 30: 118–20.—**Thoma, K. H.** Dentistry and the war. Am. J. Orthodont., 1943, 29: Oral Surg., 131.—**War** dentistry. Mil. Surgeon, 1943, 92: 339.—**Wells, C. R.** Dentistry in the war. J. Dent. Soc. N. York, 1941–42, 8: No. 11, 19–35.—**White, C. M.** The general practice of dentistry in time of war. Dent. Items, 1943, 65: 555–8.

DENTURE.

See also **Dental care; Dental service; Dentistry, prosthetic.**

De Ford, C. C., & Schlack, C. A. Dental prosthetic restorations constructed for naval personnel. J. Dent. Res., 1942, 21: 493–6.—**Garcia, H.** Problems in denture prosthesis. Med. Bull. U. S. Chief Surg., Europ. Theater, 1947, 2: No. 6, 39–46.—**Grunewald, A. H.** Planning, organization, and administration of a large dental prosthetic activity during wartime. U. S. Armed Forces M. J., 1950, 1: 340–57.—**Hutchins, H. C.** Accidents resulting from loose dental objects in the mouth. U. S. Nav. M. Bull., 1947, 47: 517–9.—**Jeffreys, F. E.** Instructions for prosthetic patients. Ibid., 1946, 46: 1116–8.—**Murphy, W. J.** Some problems encountered in dental prosthetics for recruits. Ibid., 1227–9.—**Shaffer, F. W.** Use of water-seal, plasticlike bags for retaining finished acrylic dentures in a moist atmosphere. Bull. U. S. Army M. Dep., 1949, 9: 260.—**Taylor, G.** The story of a tooth plate; an unusual war injury. J. R. Army M. Corps, 1918, 30: 228.

—— Artificial tooth and crown.

Dahl, L. H. A simplified technic for acrylic jackets. U. S. Nav M. Bull., 1945, 44: 121–4.—**Henderson, D.** A simplified technique for acrylic jacket crowns. Ibid., 1949, 49: 67-71.—**Nassie, D. O.** Technic for construction of acrylic jacket crowns. Hosp. Corps Q., 1944, 17: No. 5, 110–2.—**Shaffer, F. W.** A simplified technique for making acrylic jackets. Bull. U. S. Army M. Dep., 1949, 9: 791.—**Stevens, F. W.** The acrylic jacket crown; a practical technic. Mil. Surgeon, 1942, 91: 418–25. ——— The anterior acrylic dowel crown. Bull. U. S. Army M. Dep., 1944, No. 82, 100–2.—**Supplee, S. H., & Murphy, W. J.** Artificial teeth in Navy dental prosthetics. U. S. Nav. M. Bull., 1946, 46: 1185–91.

—— Bridge, and partial denture.

Bull, T. P. Designing and casting partial dentures. Mil. Surgeon, 1939, 85: 315–20.—**Burgin, H. N.** Designing plastic-base partial dentures. Bull. U. S. Army M. Dep., 1946, 6: 745–9.—**Frizzell, E. H.** Partial denture prosthesis at advance bases. U. S. Nav. M. Bull., 1944, 42: 697.—**Grossman, M. M.** Use of the stress-breaker in fixed bridgework. Bull. U. S. Army M. Dep., 1945, No. 86, 91–4.—**Keck, A. J., & Davin, T. W.** Fixed anterior acrylic restorations. U. S. Nav. M. Bull., 1944, 43: 301–3.—**Malone, R. W.** Frequency of type dental bridge restorations; report on 173 restorations. Ibid., 1942, 40: 358–60.—**O'Brien, L. W.** Functional partial dentures. Bull. U. S. Army M. Dep., 1946, 5: 222–4.—**Stevens, F. W.** The acrylic jacket crown as an abutment for a fixed bridge. Mil. Surgeon, 1943, 92: 639–43.

—— full.

Casey, J. B. Streamlining full denture prosthesis. U. S. Nav. M. Bull., 1941, 39: 396, 3 pl.—**Drew, W. P.** The full lower denture. J. Mil. M. Pacific, 1945, 1: No. 3, 98–100.—**Machicote, A. J.** Protesis inferior completa; su retención. Rev. san. mil., B. Air., 1940, 39: 1058–60. ——— Prótesis completa; su valor diagnóstico. Ibid., 1943, 42: 341.—**Mieszkis, E.** Le pourvoi en prothèses des édentés dans l'armée. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 2: 206.—**Sullivan, F. K.** Occlusal balance in full denture prosthesis. U. S. Nav. M. Bull., 1946, 46: 1254–8.

—— Impression material, technic and tray.

Barnes, W. E. Impression materials. Hosp. Corps Q., 1946, 19: No. 7, 19.—**Carey, M. R.** Full lower impression. Bull. U. S. Army M. Dep., 1944, No. 78, 120–2.—**Cohen, H. I.** Anatomic plastic trays. Med. Bull. North Afr. Theater of Oper. U. S., 1944, 2: 17–9.—**Cunningham, W. J., & Pope, M. R.** Colloid mucostatic impression technique for full lower dentures. U. S. Nav. M. Bull., 1946, 46: 1698–1701.—**Kildebeck, O. C.** The use of hydrocoloids in full denture impressions. J. Mil. M. Pacific, 1945, 1: No. 2, 60.—**Mallory, G. D.,** jr. Alginate impression technique. U. S. Nav. M. Bull., 1946, 46: 1083–7.—**Muco-seal** and muco-seal impression technique. Med. Bull. U. S. First Army, 1946, No. 4, 14–8.—**Paros, F. P., & Zimmerman, I.** Hydro-colloidal impression. Hosp. Corps Q., 1946, 19: No. 7, 28.—**Rojo, A. M.** Impresiones funcionales en un desdentado completo; técnica de Greene modificada; técnica de Fournet y Tuller. Rev. san. mil., B. Air., 1942, 41: 270; 339.—**Suhr, A. W., & Tillar, V. I.** A simplified full impression technique. Bull. U. S. Army M. Dep., 1943, No. 71, 87–90.

—— Repair.

Arnold, M., & Baranowski, A. Repair of fixed bridges and acrylic dentures in the field. Bull. U. S. Army M. Dep., 1945, No. 87, 85.—**Curry, H. J.** Replacement of missing teeth of acrylic dentures in the field. U. S. Nav. M. Bull., 1946, 46: 1118.—**Epstein, F.** Broken facing repair technique. Bull. U. S. Army M. Dep., 1945, No. 87, 120.—**Friedrich, E. G.** Repair of acrylic dentures. U. S. Nav. M. Bull., 1945, 44: 401–3.—**Jeffreys, F. E., & Hemphill, C. D.** Emergency repairs of prosthetic appliances. Ibid., 1944, 42: 465–7.

—— Technic.

Callar, D. Modified acrylic inlay. U. S. Nav. M. Bull., 1946, 46: 357–9.—**Collett, H. A.,** jr. Acrylic resin denture material. Ibid., 1947, 47: 817–20.—**Etzkorn, J. G.** Coil spring multiple denture flask press. Bull. U. S. Army M. Dep., 1945, No. 89, 121.—**Goldberg, N. G., & Makozov, V. I.** [Simplest method of converting vulcanizers for dental prostheses for use with electricity] Voen. san. delo, 1943, No. 10, 53.—**Grunewald, A. H.** The coloring of denture plastics. U. S. Nav. M. Bull., 1942, 40: 846–52.—**Knox, F. D.** Gum rubber

base for vulcanite dentures. Mil. Surgeon, 1939, **85**: 139–42.—**Mills, M. L., & Ring, M.** Deflasking technique. Bull. U. S. Army M. Dep., 1945, **4**: 599–601.—**Schupper, N.** A method of shading clear acrylic. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 32, 23.—**Schuyler, C., Friedrich, E. G., & Vaughan, H. C., jr.** Processing acrylic dentures; compression and injection method. U. S. Nav. M. Bull., 1944, **43**: 297–300.—**Skiff, M. S.** Construction of accurate-fitting trial plates. Bull. U. S. Army M. Dep., 1945, **4**: 512.

DEPENDENT.

See also **Civil rights; Emergency medical service.**

H. R. Bill 3265 (Servicemen's Dependents' Allowance Act) of 1942 to Military Affairs Committee. Congressional Record, 1943, **89**: 7769 (clipping)—**Helman, M.** Soldiers' dependents. S. Afr. M. J., 1941, **15**: 239.

—— Aid.

United States. War Department. Personal affairs of military personnel and aid for their dependents, January, 1943. 45p. 23cm. Wash., 1943.

Barrett, W. D. County society proposes cash subsidy for families of service men. J. Am. M. Ass., 1943, **122**: 559.—**France,** Ministre de la Santé. Attribution des allocations militaires. Rev. philanthrop., Par., 1937, **53**: 130–40.—**Kucklenz, K.** Die Fürsorge für die Familienangehörigen der Einberufenen. Deut. Apoth. Ztg, 1939, **54**: 1054–6.—**Pollard, J. B., Walker, A. T.** [et al.] Administration of a Navy dependents' unit; a plea for coordination. U. S. Nav. M. Bull., 1944, **42**: 1441–7.—**Popley, H. A.** Welfare of the soldier's family. Ind. J. Social Work, 1945–46, **6**: 40–52.—**Provision** (The) of meals for soldiers' families in France. Lancet, Lond., 1916, **1**: 1138.—**Schweizerische** Samariterbewegung. Praxis, Bern, 1942, **31**: 170.—**Smith, A. K.** Care of soldiers' families in Soviet Russia, 1943–44. Child, Wash., 1944–45, **9**: 13–5.

—— Emergency maternity and infant care.

United States. Children's Bureau. Folder 29: The emergency maternity and infant care program for wives and babies of servicemen and of men recently discharged from the Armed Forces. Rev. ed. [8]p. 21½cm. Wash., 1945.

Belz, J. F. Caring for infants and wives of servicemen. Oregon Health Bull., 1943, **21**: No. 27, 3. ——— Oregon's EMIC program, I. Ibid., 1944, **22**: No. 10, 5; No. 11, 3; No. 12, 3.—**Butler, A. M.** The emergency care program for the wives and babies of our enlisted men. Med. Care, 1944, **4**: 212–7.—**Carson, M. J.** Free medical and hospital service provided for wives and babies of certain classes of service men. Health Bull., Raleigh, 1943, **58**: No. 5, 13.—**Daily, E. F.** Medical and hospital maternity and infant care for wives and infants of enlisted men. J. Am. M. Ass., 1943, **122**: 945.—**Dodds, P.** The Pennsylvania emergency maternity and infant care program. Pittsburgh M. Bull., 1943, **32**: 694–6.—**Eliot, M. M.** The Children's Bureau, EMIC and postwar planning for child health; a statement. J. Pediat., S. Louis, 1944, **25**: 351–67.—**Emergency** maternity and infant care program; statement of administrative policies [Children's Bureau] J. Am. M. Ass., 1944, **124**: 241–6.—**Emergency** maternity and infant care for wives of enlisted men in the armed forces (H. J. Res. 159) Congressional Record, 1943, **89**: 7837–56 (clipping)—**EMIC** program. J. Pediat., S. Louis, 1944, **25**: 88–91.—**Finlay, E. F.** Why are applications for emergency maternity and infant care rejected? Wisconsin Bd Health Q. Bull., 1942–44, **7**: No. 10, 9–13.—**Foster, L. F.** The federal plan for providing obstetric and pediatric care for wives and infants of service men. J. Am. M. Ass., 1944, **124**: 171–8. Also J. Tennessee M. Ass., 1944, **37**: 1–4.—**Hospital** maternity and infant care for wives and infants of enlisted men [form letter] Bumed News Lett., Wash., 1943, **2**: No. 2, 25.—**Hospital** maternity and infant care for wives and infants of enlisted men. Hosp. Corps Q., 1943, **16**: No. 3, 283.—**Hotopp, M.** Maternity and infant care for wives and infants of enlisted men in the armed forces. Delaware M. J., 1943, **15**: 153–5.—**Jewett, R. E.** EMIC program and fee schedule. J. Indiana M. Ass., 1944, **37**: 153–5.—**Keettel, W. C.** Medical and hospital care for the wives and infants of non-commissioned men in the armed forces. Wisconsin Bd Health Q. Bull., 1943, **8**: No. 5, 21–4.—**Knight, C. P.** War wives and GI babies. Delaware M. J., 1944, **16**: 126–9.—**Maternity** care for wives of certain grades of enlisted men. J. Am. M. Ass., 1943, **122**: 382.—**Medical** care for wives and infants of enlisted men. West Virginia M. J., 1943, **39**: 232; p. xix–xxvi.—**Medical** and hospital, obstetric and pediatric care for wives and infants of men in military service. J. Arkansas M. Soc., 1943–44, **40**: 46–50.—**Missouri** plan for medical and hospital, obstetric and pediatric care for wives and infants of men in military service. J. Missouri M. Ass., 1942, **39**: 353–5.—**Obstetric** care for wives of enlisted men in Minnesota; a correction. Minnesota M., 1942, **25**: 1003.—**Obstetrical** care for wives of the military. Rocky Mountain M. J., 1943, **40**: 511.—**Obstetric** and pediatric care for wives and children of enlisted men. J. Am. M. Ass., 1943, **122**: 1257.—**O'Konski, A. E.** Emergency relief for dependents of men and women in our armed forces. Congressional Record, 1943, **89**: A5165 (clipping)—**Plass, E. D.** The physician's attitude toward the emergency maternity and infant care program. J. Am. M. Ass., 1945, **127**: 102–6.—**Present** status of emergency maternity and infant care program for dependents of men in the armed forces. California Health, 1943, **1**: 26–8.—**Rice, T. B.** Difficulties in enforcement of the EMIC Program. J. Indiana M. Ass., 1944, **37**: 261. ——— **& Jewett, R. E.** Maternity and infant care for wives and infants of men in military service. Ibid., 1943, **36**: 316.—**Stewart, J.** Obstetric care. J. Missouri M. Ass., 1943, **40**: 127.—**Thirteenth** annual meeting of the American Academy of Pediatrics; St. Louis, Nov. 9–11, 1944; EMIC Session. J. Pediat., S. Louis, 1945, **26**: 89–103.—**Thompson, W. B.** Emergency Maternity and Infant Care (E. M. I. C.) Program. California West. M., 1944, **61**: 72–5.—**Uncle Sam** provides obstetric care; maternity and infant care for wives and infants of men in military service. Am. J. Nurs., 1943, **43**: 470.

—— Medical, dental, and hospital care.

Adair, F. L. The program of medical and hospital care for the wives and families of enlisted men. Illinois M. J., 1943, **84**: 259–63.—**Adler, S. W.** Medical care for dependents of men in military service. Am. J. Pub. Health, 1943, **33**: 645–50.—**Arrangements** effected for hospital care of soldiers' dependents. Canad. Hosp., 1944, **21**: No. 3, 33.—**Camacho y López, M.** Donde, cuando y cómo deberá impartirse la atención médica a los familiares de los militares. In: Mem. Sem. med. mil., Méx., 1937, 1. Congr., 29–37.—**Council's** statement opposes Children's Bureau proposal for medical program for families of service men but offers sound plans for meeting needs if they arise. Ohio M. J., 1943, **39**: 762–4.—**Downs, T. M.** Dependent patients at naval dispensaries. Hosp. Corps Q., 1945, **18**: 20–3.—**Eliot, M. M.** Experience with the administration of a medical care program for wives and infants of enlisted men. Am. J. Pub. Health, 1944, **34**: 34–9.—**Farmer, M. L.** Medical service for dependants of serving men. Brit. M. J., 1940, **1**: Suppl., 78.—**Greul.** Heilfürsorge für Soldatenfrauen und -kinder. San. Ber. Deut. Marine (1930) 1932, 22.—**Lautsch, H.** Die Krankenversicherung der Kriegshinterbliebenen. Deut. Aerztebl., 1939, **69**: 482–5.—**Lehmann.** Aufnahme und Entlassung von Wehrmachtsangehörigen in öffentlichen und privaten Krankenanstalten. Münch. med. Wschr., 1941, **88**: 640.—**McMorries, E. D.** Medical care of dependents of naval personnel. U. S. Nav. M. Bull., 1939, **37**: 415–21.—**Medical** attendance on soldiers' dependants. S. Afr. M. J., 1942, **16**: 47.—**Medical** care of wives and children of enlisted men. J. M. Soc. N. Jersey, 1942, **39**: 554. Also J. Am. M. Ass., 1943, **121**: 1231.—**Medical** and dental treatment; soldiers' families. Dent. Rec., Lond., 1941, **61**: 344.—**Medical** (The) and pharmaceutical service to dependants of members of the armed forces. Med. J. Australia, 1941, **2**: 524.—**Mount, W. B.** Medical care program for wives and children of enlisted men. J. M. Soc. N. Jersey, 1943, **40**: 436–9.—**Navy** Relief Society assistance in medical care of naval dependents. J. Am. M. Ass., 1944, **126**: 438.—**Opposition** to medical program for families of service men [Ohio] Fed. Bull., Chic., 1943, **29**: 287.—**Osborne, F. J.** Prenatal dentistry for wives of service men. Pub. Health News, Trenton, 1944, **27**: 107–10.—**Out-patient** medical attention, dependents [form letter] Bumed News Lett., Wash., 1943, **2**: No. 9, 22–7.—**Reciprocal** medical arrangements for Canadian and United States soldiers. J. Am. M. Ass., 1943, **122**: 237.—**Revised** memorandum of arrangements between Dependents' Board of Trustees and the Canadian Hospital Council concerning the handling of hospital accounts of dependents of members of the Armed Forces. Canad. Hosp., 1945, **22**: No. 3, 33–5.—**Shaar, C. M.** Surgical care of dependents of naval personnel. U. S. Nav. M. Bull., 1939, **37**: 421–7.—**Sherman, E. A.** Medical care for the dependents of military personnel. Tr. N. England Surg. Soc., 1944, **25**: 194–200.—**Sister Ste-Gertrude-de-Nivelles.** How the problem of soldiers' dependents was settled in Quebec City. Hosp. Progr., 1944, **25**: 72.—**White, J. R.** Hospitalization of naval dependents. U. S. Nav. M. Bull., 1939, **37**: 444–6.

—— Social service.

Hofstein, S. The impact of family forces on the soldier as met by the military social worker. Ment. Hyg., Alb., 1945, **29**: 385–94.—**Johnson, L. W.** Social service for naval dependents. U. S. Nav. M. Bull., 1939, **37**: 446–51.—**War** Service; Home Service. Annual Rep. Am. Nat. Red Cross, 1937–38, 63–73.

—— Veteran's family.

United States. Veterans Administration. Technical bulletin TB 10A–38: Medical care of domiciliary members. 3p. 27cm. Wash., 1947.

—— Widow.

Harmsen, H. Der Einfluss der versorgungsgesetzlichen Regelung auf die wirtschaftliche und soziale Lage der Kriegerwitwen; eine soziologische und bevölkerungspolitische Untersuchung, zu-

gleich der Versuch einer sozialhygienischen Beurteilung und Kritik unserer heutigen Versorgungsgesetzgebung. p.201–55. 8° Berl., 1926.
Veröff. Medverwalt., 1926, **22:**

Stranz-Hurwitz, H. Kriegerwitwen gestalten ihr Schicksal; Lebenskämpfe Kriegerwitwen nach eigenen Darstellungen. 136p. 8° Berl., 1931.
Harmsen, H. Die Lage der Kriegerwitwen. Klin. Wschr., 1926, **5:** 2076–80.

—— Wife.

Dank auch der Soldatenfrau; die Betreuung der Soldatenfrau und -Kinder. Aerztebl. Hessen, 1940, **8:** 149.—**Hirschfeld, M.** War wives and immorality. In his Sex. Hist. World War, N. Y., 1937, 36–57.—**Langner, H. P., & Foster, S.** A clinic's experience with the problems of the serviceman's wife. Am. J. Orthopsychiat., 1946, **16:** 227–43.—**Lawrence, B. G.** Psychiatric problems of service men's wives. Delaware M. J., 1945, **17:** 89.—**Patterson, R. M.** Neurotic reactions in wives of service men. Dis. Nerv. Syst., 1945, **6:** 50–2.—**Thompson, W. B.** Neuroses of war wives. California West. M., 1945, **63:** 167–9.

DEPOT.

See also **Ambulance Supply Depot; Medical depot; Replacement depot; Store; Supply; Supply depot; Zone.**

M., N. The depot, the recruit, and the Swedish drill. J. R. Army M. Corps, 1907, **9:** 502–4.—**Nicholls, H. W.** Medical work at a depot. J. R. Nav. M. Serv., 1932, **18:** 106–11.

DEPRESSIVE state.

See under **Neurosis; War neurosis.**

DEPTH perception.

See also **Vision.**

Fontaine, J. T., & Channel, R. C. Cross validation of Stromberg Gwathmey test of depth perception. 7p. 26½cm. Bethesda, 1945.
Forms Res. Proj. X-130 (Av-V4-2) U. S. Nav. M. Res. Proj.

Rowland, W. M. Comparison of Howard-Dolman Depth Perception Test, Wulfeck Group Test of Stereo Acuity, and Keystone depth perception apparatus. 13p. 27cm. Randolph Field, 1942.
Forms No. 1, Rep. Proj. No. 59, U. S. Air Force School Aviat. M.

—— & Rowland, L. S. A comparison of three tests of depth perception. 16p. 27cm. Randolph Field, 1944.
Forms No. 1, Rep. Proj. No. 238, U. S. Air Force School Aviat. M.

Trumbull, R. The reliability of the Verhoeff test of depth perception. 8 l. 27cm. Pensacola, 1946.
Forms No. 1, Rep. Res. Proj. X-717 (Av-374-w) U. S. Naval School Aviat. M.

Hirsch, M. J., & Weymouth, F. W. Distance discrimination; effect of motion and distance of targets on monocular and binocular distance discrimination. J. Aviat. M., 1947, **18:** 594–600. ——— Distance discrimination; the relationship of visual acuity to distance discrimination. Ibid., 1948, **19:** 56–8.—**Nicholls, J. V. V.** Depth perception in aviation. J. Canad. M. Serv., 1944–45, **2:** 267–76.—**Seiger, H. W.** Variations in illumination of the depth-perception apparatus. J. Aviat. M., 1944, **15:** 401–4.—**Walker, R. Y.** The superiority of binocular over monocular vision in depth perception in respect to the vertical or horizontal position of the object. Ibid., 1940, **11:** 87–95. ——— Differences in judgment of depth perception between stationary and moving objects. Ibid., 1941, **12:** 218–25.

DERMATITIS.

See also **Dermatology; Dermatosis.**

Trumper, M., & Kerkian, A. Dermatitis from wearing Waves' Navy blue shirt. 3p. 26½cm. Bethesda, 1944.
Forms No. 10, Rep. Res. Proj. X-180, U. S. Nav. M. Res. Inst.

Turner, J. M., & Doherty, D. G. Contact dermatitis due to rating badges worn by Waves. 6p. 26½cm. Bethesda, 1945.
Forms No. 16, Rep. Res. Proj. X-180, U. S. Nav. M. Res. Inst.

Bernard, C. de, Morel, A., & Grupper, C. Dermites causées par le cuir du casque. Bull. Soc. méd. mil. fr., 1939, **33:** 325–9.—**Carpenter, C. C., & Banzer, J. W., jr.** Dermatitis from blue uniforms. U. S. Nav. M. Bull., 1944, **43:** 754–7.—**Chakravarty, A. N.** Dermatitis artefacta in the army. Internat. M. Abstr., Calc., 1948, **4:** 110–3.—**Deguilhen, C., & Nun, C.** Un cas de maladie de Schamberg. Rev. méd. nav., Par., 1946, **1:** 409–12.—**Faylor, W. O. G., Fergusson, A. G., & Atkins, W. R. G.** Dermatitis from wearing Army spectacles. Brit. M. J., 1945, **2:** 40–2.—**Fergusson, A. G.** Match-box dermatitis. J. R. Army M. Corps, 1942, **78:** 98.—**French, S. W., & Halpin, L. J.** Dermatitis venenata; report on allergy clinics in the Fourth Service Command. Ann. Allergy, 1943, **1:** 131–8. ——— Treatment of dermatitis venenata. Mil. Surgeon, 1943, **93:** 275–8.—**Hill, M. A., & Gordon, R. M.** An outbreak of dermatitis amongst troops in North Wales caused by rodent mites. Ann. Trop. M. Parasit., Liverp., 1945, **39:** 46–52.—**Hodgson, G. A., & Hellier, F. F.** Dermatitis caused by shirts in B. L. A. J. R. Army M. Corps, 1946, **87:** 110–7.—**Hollander, M. H.** A case of exfoliative dermatitis, due to penicillin. Med. Bull. U. S. Chief Surg., Europ. Theater, 1947, **4:** No. 3, 18.—**Inflammatory** dermatoses in the western and southwestern Pacific areas, with special reference to treatment. J. Mil. M. Pacific, 1945, **1:** No. 2, 26–30.—**Kaplun, B. J.** [Paratraumatic war dermatitis] Feldsher, Moskva, 1943, No. 3, 10–2.—**Kaschel.** Beitrag zur Beobachtung der sogenannten Wiesendermatitis (Dermatitis bullosa striata pratensis) Deut. Militärarzt, 1939, **4:** 270.—**McKinlay, R.** Vesicular dermatitis due to wild parsnip. J. R. Army M. Corps, 1938, **71:** 401–4.—**Merrill, E. D.** Contact poison plants in the Old World tropics. Bull. U. S. Army M. Dep., 1945, No. 87, 115–7.—**Mustard** gas or plant dermatitis. Bull. Army M. Dep., Lond., 1943, No. 28, 2.—**Robertson, D. H.** Dermatitis medicamentosa. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1:** No. 4, 25.—**Sefton, L.** A case history of exfoliative dermatitis with complications. J. R. Army M. Corps, 1946, **87:** 39–41.—**Wirtel, K. O.** Treatment of dermatitis in the tropics. Hosp. Corps Q., 1944, **17:** No. 2, 45–9.

DERMATOLOGIST.

See also **Dermatology.**

Dermatologists in the war. Arch. Derm. Syph., Chic., 1943, **48:** 417.—**Goldman, L.** The dermatologist in the military organization. Mil. Surgeon, 1940, **87:** 256–60.—**Guy, W. H.** Dermatologists for the Army and Navy. Arch. Derm. Syph., Chic., 1942, **46:** 619–27.—**Schwartz, L.** The role of the practicing dermatologist in our war effort. J. Invest. Derm., 1942, **5:** 347–52.—**Sompayrac, L. M.** A dermatologist in the Navy J. Florida M. Ass., 1942–43, **29:** 63–6.

DERMATOLOGY.

See also **Dermatitis; Dermatologist; Dermatophytosis; Dermatosis;** also such terms as **Cold injury; Skin; Tropical medicine; Tropical service.**

Unna, P. G. Kriegsaphorismen eines Dermatologen. 2. Aufl. 198p. 24½cm. Berl., 1917.
Ayres, S., jr. War dermatology; some general aspects. California West. M., 1942, **57:** 294–7.—**Bering.** Dermatologische Winke für den Truppenarzt. Med. Klin., Berl., 1940, **36:** 578; 1141 (Abstr.)—**Fischer, C.** Kleine Dermatologie des Truppenarztes. Deut. Militärarzt, 1941, **6:** 296–301.—**Forsey, R.** The problem of the sailor's skin. Canad. M. Ass. J., 1943, **48:** 212.—**Lane, C. G.** Military dermatology. N. England J. M., 1942, **227:** 293–9.—**Lebedev, D. V.** Mikologia i voina. Priroda, 1947, No. 5, 60.—**Lehmann, C. F.** Dermatology in the Army. J. Am. M. Ass., 1942, **119:** 1469–75.—**MacGruer, H. A.** Military dermatology. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 971–7.—**MacKenna, R. M. B.** Experiences in military dermatology. Brit. M. J., 1943, **2:** 191–4. ——— Notes on military dermatology. Brit. J. Derm. Syph., 1944, **56:** 1–11, pl. ——— On military dermatology. Brit. M. Bull., 1945, **3:** 158–61. Also Spanish tr., Rev. As. méd. argent., 1946, **60:** 204–8.—**Peller, S., & Stephenson, C. S.** Skin irritation and cancer in the U. S. Navy. Am. J. M. Sc., 1937, **194:** 326–33.—**Pillsbury, D. M., & Livingood, C. S.** Experiences in military dermatology; their interpretation in plans for improved general medical care. Arch. Derm. Syph., Chic., 1947, **55:** 441–62.—**Sabatini, C.** Note e appunti sulla dermatologia geroiatrica nell'ambito dello studio della senescenza umana. Ann. med. nav., Roma, 1948, **53:** 47–58.—**Schmidt, O. E. L.** Dermatology in wartime. Stanford M. Bull., 1944–45, **2:** 20–5.—**Sulzberger, M. B.** Dermatology and syphilology in the Navy. J. Invest. Derm., 1942, **5:** 381–8.—**Unger, P. N.** Clinical abstracts of an unusual case of skin sensitivity to the metal tags worn by the troops in the field. Mil. Surgeon, 1943, **92:** 67–9.—**War** and dermatology. J. R. Army M. Corps, 1943, **80:** 207–9.—**Warren, L. H.** Military dermatology. Ann. Int. M., 1944, **20:** 395–404.

—— Organization.

Benedek, T. Military dermatology in general hospitals in the Zone of the Interior and in the Pacific Ocean area in World War II; based on observations of 6,683 consecutive cases. Urol. Cut. Rev., 1948, **52**: 160–74.—**Dennison, A. D.,** jr. Treatment of dermatologic conditions aboard a destroyer. U. S. Nav. M. Bull., 1945, **45**: 524–9.—**Dermatology** in the British Expeditionary Force in France. J. Am. M. Ass., 1943, **121**: 207.—**Dermatological** problems in tropical theaters. Bull. U. S. Army M. Dep., 1945, **4**: 299.—**Dupont, A., & Deweert, J.** Un an d'activité de Centre dermato-syphiligraphique de l'Hôpital militaire de Namur. Arch. belg. derm. syph., 1948, **4**: 54–8.—**Epstein, E.** Dermatologic practice in a station hospital in Southern California; a comparison with private practice. Arch. Derm. Syph., 1945, **52**: 21–5.—**Feder, A.** Therapy unit for patients with skin diseases. Bull. U. S. Army M. Dep., 1946, **5**: 343–5.—**Finkle, T. H.** Dermatological problems in an Army hospital. Ibid., 1947, **7**: 1047–50.—**Franks, A. G., & Davis, M. I. J.** Dermatology in an Army general hospital. Urol. Cut. Rev., 1942, **46**: 728–33.—**Hanfling, S. L., & Goldbloom, A. A.** Dermatologic problems in a staging area station hospital. Arch. Derm. Syph., Chic., 1947, **55**: 322–6.—**Ingram, J. T.** Dermatological experiences with the British Expeditionary Force, France, 1939–40. Brit. J. Derm. Syph., 1942, **54**: 224–31.—**Novy, F. G.,** jr. Dermatological experiences in a United States Naval hospital. California West. M. J., 1943, **58**: 323.—**Savage, J.** Dermatology on active service; with a plea for re-organization of the skin department. J. R. Army M. Corps, 1944, **83**: 246–8.—**Scholtz, J. R.** Army Air Forces dermatology program. Arch. Derm. Syph., 1945, **52**: 6–8.—**Sommers, J., & Wrong, N. M.** Organization of a combined dermatological-radiotherapeutic centre in the Canadian Army overseas. Bull. Acad. M. Toronto, 1948–49, **22**: 205–9. Also Canad. M. Ass. J., 1949, **61**: 30–2.—**Woolhandler, H. W.** Dermatology in an Army station hospital. Arch. Derm. Syph., Chic., 1944, **49**: 91–102.

—— Therapeutics.

See also **Dermatitis; Dermatosis; Syphilis; Venereal disease.**

Asbury, C. W. Penicillin and nonspecific foreign protein fever therapy in treatment of acute and chronic eczematoid dermatoses. Air Surgeon Bull., 1945, **2**: 406.—**Cohen, T. M.** Dermatologic therapy in the tropics. U. S. Nav. M. Bull., 1944, **42**: 1119–23.—**Feindel, R.** Ueber eine zweckmässige Salbenkombination zur Therapie einiger in Kriegszeiten besonders häufiger Dermatosen. Wien. med. Wschr., 1941, **91**: 381.—**Ferloni, A. V. J.** La sulfamidoterapia externa en dermatología y su importancia en la práctica médico-militar; técnica y resultados en 1508 casos personales de piococcias primitivas y secundarias. Rev. san. mil., B. Air., 1945, **44**: 60; 207.—**Kierland, R. R.** Local use of penicillin preparations in cutaneous diseases. Mil. Surgeon, 1945, **97**: 57–9.—**Longhin, S., Bucşa, T., & Ionescu, S.** Contribuţiuni la tratamentul dermatozelor alergice cu substanta P a lui Oriel. Rev. san. mil., Bucur., 1936, **35**: 732–9.—**McCann, W. J.** Treatment of skin diseases on an attack transport; use of undecylenic acid. U. S. Nav. M. Bull., 1944, **43**: 1205–7.—**Martínez Pazos, A.** La luz ultravioleta en el tratamiento de la dermatosis. Med. & cir. guerra, 1946, **8**: No. 18, 25–36.—**Matiash, K. D.** UVC-terapia piodermitov i nekotoryh drugih dermatozov. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 211–6.—**Precepts** in dermatological therapy. Bull. Army M. Dep., Lond., 1943, No. 23, 7.—**Theodorescu, S.** Crioterapia in dermatologie. Rev. san. mil., Bucur., 1936, **35**: 757–63.—**Vonkennel.** Sulfanilamidbehandlung infektiöser Dermatosen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 46. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 49.

DERMATOPHYTOSIS.

See also **Dermatitis; Dermatosis: Epidermophytosis.**

Duggan, T. L., & Mooney, J. J. Studies of the fungistatic and irritative qualities of agents suggested for the treatment of dermatophytosis. 14p. 26½cm. Bethesda, 1945.

Forms No. 2, Rep. Res. Proj. X-469, U. S. Nav. M. Res. Inst.

Hopkins, J. G., Fisher, J. K. [et al.] Treatment and prevention of dermatophytosis. 2p. 28cm. Wash., 1945.

Forms No. 71, Trop. Dis. Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Chmel, L. Pliesňové onemocnenia kože vzhladom na vojenskú službu. Voj. zdrav. listy, 1948, **17**: 333–6.—**Duggan, T. L., & Mooney, J. J.** Studies of the fungistatic and irritative qualities of agents suggested for the treatment of dermatophytosis. Rep. Nav. M. Res. Inst., 1945, No. 2, 1–6, 8 tab.—**Fraser, P. K.** Copper sulphate and para-nitrophenol in the prophylaxis of dermatophytosis. J. R. Nav. M. Serv., 1941, 27: 279–81.—**Fruin, R. L.** A suggestion in the treatment of dermatomycosis. Mil. Surgeon, 1945, **97**: 56.—**Hopkins, J. G., Hillegas, A. B.** [et al.] Treatment and prevention of dermatophytosis and related conditions. Bull. U. S. Army M. Dep., 1944, No. 77, 42–53.—**Lawson, R. N.** Therapy of tinea. Mil. Surgeon, 1944, **94**: 301.—**Pastinszky, I.** Gombás bőrbetegségek gyakorisága és megelőzése a hadseregben. Honvédorvos, 1950, **2**: 546–58.—**Pavlov, S. T., & Kopson, I. I.** Gribkovye bolezni kozhi (dermatomikozy) In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1950, **27**:–**28**: 58–71.—**Rubin, S. S.** Dermatophytids; an allergic manifestation. Mil. Surgeon, 1944, **95**: 497–501.—**Sinani, M.** Gribkovye zabolevaniia (dermamycetes) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 249–60.—**Snow, J. S.** The management of dermatophytosis. Mil. Surgeon, 1944, **95**: 147–51.—**Stephens, F. L.** Preliminary laboratory tests on the fungicidal action of copper sulphate and para-nitrophenol on dermatophytes. J. R. Nav. M. Serv., 1941, **27**: 273–9.—**Sullivan, M., & Fishbein, H. A.** Field trial of United States Army fungicidal ointment. J. Invest. Derm., 1948, **10**: 293–9.—**Sulzberger, M. B., Shaw, H. C., & Kanof, A.** Evaluation of measures for use against common fungous infections of skin; screening tests by means of paired comparisons on human subjects. U. S. Nav. M. Bull., 1945, **45**: 237–48.—**Vernon, S.** Ringworm therapy; fungicidal skin varnish. Mil. Surgeon, 1949, **104**: 470.—**Young, D. C.** Secondary infection of dermatophytosis. U. S. Nav. M. Bull., 1946, **46**: 1604.

—— tropical.

See also **Dermatosis, tropical; Tropical service.**

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Superficial fungous diseases & other common tropical dermatoses. 12p. 27cm. Orlando, Fla., 1944.

Forms Pt 4, Notes Trop. Dis., Arctic, Desert Trop. Br. A. A. F. U. S.

Fungus infections of the skin. Statist. Navy M., 1947, **3**: No. 7, 8–10.—**Saltner, L.** Die oberflächlichen Pilzerkrankungen der Haut in den Tropen. Deut. Militärarzt, 1941, **6**: 416–23. ——— Die tiefen Pilzerkrankungen der Haut in den Tropen. Ibid., 423–8.

DERMATOSIS.

See also **Dermatitis; Dermatophytosis;** also such terms as **Lousiness; Scabies,** etc.

Aliavdin, A. Krasnyi ploskii lishai (lichen ruber planus Wilsoni) In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 95.—**Allen, A. C.** Survey of pathologic studies of cutaneous diseases during World War II. Arch. Derm. Syph., Chic., 1948, **57**: 19–56.—**Aretz.** Bemerkungen über Hautkrankheiten und deren Behandlung im Wehrdienst. Med. Klin., Berl., 1941, **37**: 153–5.—**Barber, H. W.** The seborrhoeic state. In: Med. Dis. War (Hurst, A. F.) 3. ed., Lond., 1943, 457–66.—**Bürhan Urus & Hakki Salman.** Ordumuzda pyodermique cilt intanlari ve bunlarin kisaca tedavileri. Askeri sihhiye mecmuasi, 1942, **71**: 34–43.—**Canizares, O.** Cutaneous diseases in Army Air Force personnel. Arch. Derm. Syph., Chic., 1947, **56**: 364–72.—**Carpenter, C. C.** Treatment of small skin lesions. Hosp. Corps Q., 1946, **19**: No. 4, 6–8.—**Colahan, B. N. O.** A record of commoner skin diseases at a Royal Australian Air Force hospital. Med. J. Australia, 1944, 1: 107–9.—**Cormia, F. E.** Causes of delayed involution of skin diseases with special reference to overtreatment. Med. Bull. U. S. Chief Surg., Europ. Theater, 1944, No. 16, 9–13.—**Cutaneous** diseases in the R. A. F. in Malaya. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, 62–6.—**Dean, D. M.** A case of epidermidolysis bullosa hereditaria. J. R. Nav. M. Serv., 1941, **27**: 74–9.—**Ferloni, A. V. J.** Patología y tratamientos para el pie del soldado de infantería. Rev. san. mil., B. Air., 1941, **40**: 58; passim.—**Fernández de la Portilla, J.** Sobre el tratamiento de las piodermitis de guerra. Rev. españ. med. cir. guerra, 1939, **2**: 340-7.—**Frost, A.** Notes on skin infections: Darwin, Australia. Med. J. Australia, 1942, **2**: 136.—**Gorbovicky, S. E., & Ivanov, N. A.** Kharakteristika kozhnoi patologii u voennosluzhashchikh. Vest. vener., 1945, No. 2, 54–8.—**Grigg, J.** Skin diseases in the Army. Brit. M. J., 1943, **1**: 773.—**Gruca, A.** O przyczynach obrażeń naskórka i wrzodów nóg w oddziałach frontowych. Lek. wojsk., 1921, **2**: 201–3.—**Junquet, H. X. J.** Les pyodermites les plus fréquentes dans l'armée et leur traitement de choix. Arch. méd. pharm. mil., 1931, **94**: 753–67.—**Kley, E. C.** Skin diseases aboard a destroyer. U. S. Nav. M. Bull., 1944, **42**: 407.—**Korobkov, D. I., Menchel, B. M., & Frankfurt, S. S.** [Treatment of pyodermia and moist eczema with carbolic acid] Feldsher, Moskva, 1944, No. 3, 43.—**Lewis, B.** Epidermolysis bullosa. J. R. Nav. M. Serv., 1948, **34**: 162–5.—**Livingood, C. S.** Dermatologic problems in the returning veteran. Pennsylvania M. J., 1946–47, **50**: 581–7.—**Lutz, W.** Einige Bemerkungen über Hautkrankheiten und Dermatotherapie im Militärdienst. Schweiz. med. Wschr., 1940, **70**: 1031–4.—**MacKenna, R. M. B.** Rehabilitation for skin cases. Brit. M. J., 1943, 1: 392.—**Macpherson, R. K.** Some aspects of the incidence of skin disease in R. A. A. F. ground crew. Secret Rep. Fatigue Lab. Nat. Health Med. Res. Counc. Australia, 1945, No. 9, 1–8, 3 tab., ch. [declassified]—**Mayr, J.** Furunkulosen bei Soldaten. Münch. med. Wschr., 1941, **88**: 547. Also Urol. Cut. Rev., 1941, **45**:

607 (Abstr.)—**Memmesheimer, A. M.** Occupational diseases of the skin. Bull. War M., Lond., 1941–42, **2**: 528 (Abstr.)—**Mental** factors in skin disease. Bull. Army M. Dep., Lond., 1945, No. 44, 5.—**Morton, P. H., & Deas, T. C.** Epidermolysis bullosa hereditaria. U. S. Nav. M. Bull., 1948, **48**: 112–6.—**Nickel, W. R.** Some aspects of skin diseases as a military problem. Northwest M., 1945, **44**: 4–7.—**Nippert, P. H., & Fetter, F.** Epidermolysis bullosa; report of 7 cases. U. S. Nav. M. Bull., 1945, **44**: 154–8.—**Park, R. G.** Chronic skin infections in the Forces. N. Zealand M. J., 1944, **43**: 130–5.—**Pavlov, S.** Kozhnye bolezni. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1329–33.—**Payenneville.** Un cas de maladie de Meleda. Bull. Soc. fr. derm. syph., 1940, **47**: 55–7.—**Saraţeanu, F., & Lazarescu, D.** Acneea rozacee cu complicaţiuni oculare. Rev. san. mil., Bucur., 1936, **35**: 740–6, illust.—**Shelton, J. M.** Epidermolysis bullosa; report of a case. U. S. Nav. M. Bull., 1944, **42**: 424–7.—**Thomas, E. G.** Clinical notes in dermatology. J. R. Nav. M. Serv., 1940, **26**: 248–52.—**Turumati, K.** Konzi sensō no hihu oyobi seibyōka sikkan ni oyobosita eikyō ni tuite [The effect of the recent war on skin diseases and on venereal diseases] Rinsyo hihu hinyoka, 1949, **3**: 25–7.—**Vickers, H. R.** The treatment of some common dermatoses. J. R. Nav. M. Serv., 1942, **28**: 36–42.—**Whittington, I.** Skin diseases in H. M. ships. Ibid., 1943, **29**: 108–10.—**Winkler, M.** Hautkrankheiten und Eidg. Militärversicherung. Dermatologica, Basel, 1945, **91**: 34–7.

—— Disability.

See also **Disability, Recruit,** Health.

Bereston, E. S., & Ceccolini, E. M. Incidence of dermatoses in twenty thousand army induction examinations; with a note on syphilis with negative serologic reactions. Arch. Derm. Syph., Chic., 1943, **47**: 844–8.—**Boldt, A.** Dermatologische Fragen bei der Musterung. Deut. Militärarzt, 1939, **4**: 217–23.—**Griffith, W.** Skin diseases as military disabilities. Tr. London Derm. Soc., 1917, **6**: 70–3.—**Rachold.** Hautkrankheiten und Wehrdienstbeschädigung. Deut. Militärarzt, 1939, **4**: 322–5.—**Vohwinkel.** Beurteilung der Dienstfähigkeit der Psoriatiker. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 60–2.

—— tropical.

See also **Dermatitis,** tropical; **Dermatophytosis,** tropical; **Tropical service,** Disease.

Bernachon, P. Notes à propos des affections cutanées dans les régions tropicales. Rev. méd. nav., Par., 1947, **2**: 147–55.—**Clark, T. W.** Treatment of the common skin diseases in an Army hospital in the tropics. Med. Clin. N. America, 1944, **28**: 1532–40. —— Treatment of skin diseases in the tropics. Bull. U. S. Army M. Dep., 1945, No. 87, 70–6.—**Delaney, J. R.** Observation of skin diseases in the tropics. U. S. Nav. M. Bull., 1944, **42**: 1117.—**Goldman, L.** Tropical diseases of the skin in returning military personnel and tourists. Cincinnati J. M., 1945–46, **26**: 352–69.—**Greenwood, K.** Common skin disorders of the army in the tropics. J. R. Army M. Corps, 1949, **92**: 284–9.—**Myers, W. K.** Clinical impressions of skin disease in a tropical operational area. Med. J. Australia, 1944, **2**: 10–3.—**Nauck.** Tropische Hautkrankheiten. Veröff. Marine San., 1942, H. 34, 104–6.—**Phillips, K., & Buhler, V. B.** Dermatologic conditions prevalent in tropical areas; treatment with heavy dosage of ultraviolet ray. U. S. Nav. M. Bull., 1944, **43**: 1193–9.—**Simons, R. D. G. P.** Dermatoses in tropen-krijgsgevangenschap. Ned. tschr. geneesk., 1946, **90**: 351–5.—**Skin** diseases in the tropics. Bull. U. S. Army M. Dep., 1944, No. 80, 10.

—— in war.

Ayres, S., jr. Dermatology and the war; infections, infestations, irritations, burns, ulcers, etc. Clinics, Phila., 1944–45, **3**: 728–73.—**Barber, H. W.** Skin disease in war. In: Med. Dis. War (Hurst, A. F.) Balt., 1940, p. 279–308. Also 2. ed., Lond., 1941, 371–408, 2 pl. Also 3. ed., Lond., 1943, 435–74, 2 pl. Also 4. ed., Lond., 1944, 450–91.—**Brain, R. T.** Skin diseases in war. Brit. M. J., 1942, **2**: 760–3.—**Brill, E. H.** Hautkrankheiten im Kriege. Med. Welt, 1941, **15**: 525–8.—**Carslaw, R. W.** Wartime dermatology; with a plea for economy. Brit. M. J., 1942, **2**: 420–2.—**Davis, D. B., & Bick, J. W.,** jr. Skin reactions observed under wartime stress. J. Nerv. Ment. Dis., 1946, **103**: 503–8.—**Davis, E.** Dermatoses seen in war time. Med. Press & Circ., Lond., 1942, **208**: 14.—**Diseases** of the skin in wartime. Med. J. Australia, 1943, **2**: Suppl., 77–80.—**Fausto, C.** Sul comportamento di alcune dermatosi durante 5 anni di guerra. Rass. med. sarda (1945) 1947, **47**: 395–400.—**Gordon, H.** Skin diseases in war time. West London M. J., 1940, **45**: 1–6.—**Ingram, J. T.** Skin diseases in wartime. Nurs. Times, Lond., 1942, **38**: 842.—**Lingenfelter, G. P.** Skin diseases under war conditions. Southwest. M., 1943, **27**: 9–13.—**MacCormac, H.** Three skin diseases in wartime (scabies, impetigo, eczema) Brit. M. J., 1943, **2**: 667–9. —— War-time diseases of the skin. Practitioner, Lond., 1940, **144**: 165–73.—**Percival, G. H.** War and skin disease. Edinburgh M. J., 1941, **48**: 73–84. Also Edinburgh Postgrad. Lect. (1940–41) 1942, **2**: 510–21.—**Peters, A. D. K.** The treatment of war-time skin diseases. Med. Press & Circ., Lond., 1943, **209**: 372–4. Also Mod. Treat. Yearb., 1944, **10**: 172–7.—**Rabut, R.** Dermatoses de guerre et d'après-guerre. Hôpital, 1946, **34**: 42.—**Saffron, M. H.** Dermatology and the war. Mil. Surgeon, 1942, **91**: 559–64.—**Schrafl, A.** Hautkrankheiten im Krieg. Praxis, Bern, 1939, **28**: 643–6.—**Stevanin, M.** Osservazioni cliniche e considerazioni etiopatogenctiche sulle dermatosi di guerra. Dermosifilografo, 1944, **19**: 85–91.—**Thompson, S.** Skin diseases in war time. Med. Press & Circ., Lond., 1942, **207**: 285–9. Also Mod. Treat. Yearb., Lond., 1943, **9**: 155–63.—**Vickers, H. R.** The treatment of the war-time dermatoses. Ibid., 1941, 234–42, pl.—**Vogel.** Hautleiden der Zivilbevölkerung im Kriege. Münch. med. Wschr., 1940, **87**: 859.

DESERT.

See also **Desert warfare.**

Talso, P. J., & Clarke, R. W. Observations on physiological problems in desert heat, Task Force Furnace, Yuma, Arizona. 23 l. 29cm. Fort Knox, 1948.

Forms Proj. No. 6–64–12–03–(1) U. S. Army M. Dep. Field Res. Laborat.

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] [Project No. 2: Operations at high temperatures] Project No. 2–5: Test of the adequacy of K–2 ration in the desert. 3p. 28cm. Fort Knox, 1942.

—— [Project No. 2: Operations at high temperatures] Project No. 2–5: Detailed report on test of adequacy of K–2 ration in the desert. 7p. 28cm. Fort Knox, 1942.

—— [Project No. 2: Operations at high temperatures] Sub-Project No. 2–8: Report on effect of desert conditions on personnel; results of desert field study. v. p. 28cm. Fort Knox, 1942.

—— Project No. 2: Operations at high temperatures. Report on Sub-Project No. 2–11, Influence of high temperatures on the efficiency of personnel; studies of men in simulated desert heat. v. p. 28cm. Fort Knox, 1943.

—— Project No. 2: Operations at high temperatures. Report on Sub-Project No. 2–12, Study of methods of attaining and maintaining acclimatization to high temperatures; studies of men in simulated desert heat. v. p. 28cm. Fort Knox, 1943.

Together with Sub-Project No. 2–11.

—— Project No. 2: Operations at high temperatures. Report on Sub-Project No. 2–13, Effect of training on the efficiency of performance at high temperatures; studies of men in simulated desert heat. v. p. 28cm. Fort Knox, 1943.

Together with Sub-Project No. 2–11.

—— Project No. 2: Operations at high temperatures. Report on Sub-Project No. 2–17, Study of the physiologic effects of high temperatures; studies of men in simulated desert heat. v. p. 28cm. Fort Knox, 1943.

Together with Sub-Project No. 2–11.

Akodus, J. Pustyni, stepi. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 997–1003.

Care of personnel in the desert. In: School Lect. U. S. Air Force Arctic &c. Inform. Cent., N. Y., 1943, pt 2, No. 1, 12–20.—**Cordier, D.** Caractéristiques physiologiques des climats désertiques et tropicaux. In his Probl. méd. guerre, Montréal, 1943, 12–20.—**Magnicky, V. I.** [Medical-sanitary protection of the Army in the deserts of Central Asia] J. profil. subtrop. klin. med., Tashkent, 1934, **4**: 21; 54.—**Maietta, A. L.** Notes on medical experiences in the Mojave Desert during the summer of 1943. Mil. Surgeon, 1949, **104**: 385–90.—**Restoration** (The) of thermal balance during acclimatization to work in desert heat. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 131.—**Talso, P. J., & Clarke, R. W.** Observations on physiological problems in the desert heat, Task Force Furnace, Yuma, Arizona. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 2, 1–23, illust.—**Testing** equipment in Task Force Furnace. Mil. Rev., Fort Leavenw., 1947–48, **27**: No. 11, 19–23.

DESERTION.

See also **Criminal; Delinquent; Neurotic; Psychopath; War psychosis.**

Bromberg, W., Apuzzo, A. A., & Locke, B. A psychologic study of desertion and overleave in the Navy. U. S. Nav. M.

Bull., 1945, 44: 558–68. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 160–5.—**Rashkis, H. A.** Notes on interviewing AWOL soldiers. J. Abnorm. Psychol., 1945, 40: 100.—**Uribe Cualla, G.** Un caso de deserción del Ejército verificada por un esquizofrénico. Rev. med. leg. Colombia, 1944–45, 7: No. 37, 76–82.—**Wertham, F.** Medico-legal report on a deserter. Am. J. Psychother., 1947, 1: 189–92.—**Zeller, G. A.** Charge of desertion. In his Post-Mortem Finding, Cedar Rapids, 1942, 24.

DESERT sore.

See also **Tropical service.**

Bettley, F. R. Desert sore, a preliminary study. J. R. Army M. Corps, 1943, 81: 107–12.—**Macrae, D.** Desert sore. Ibid., 1944, 83: 274–8.—**Tropical** ulcers and desert sores. Bull. U. S. Army M. Dep., 1943, No. 69, 16.

DESERT warfare.

See also **Desert**; also under appropriate subheadings of **Wars and campaigns**; also **World War II.**

United States. Armored Medical Research Laboratory [Fort Knox, Ky.] Project No. 2: Operations at high temperatures. Partial report on Sub-Project No. 2–6: Water and salt requirements for desert operations. v. p. 28cm. Fort Knox, 1942.

—— Project No. 2: High temperature in tanks. Final report on Sub-Project No. 2–6, Determination of water and salt requirements for desert operations. v. p. 28cm. Fort Knox, 1943.

Abbey, R. A. Dentistry in the desert war. Brit. Dent. J., 1941, 71: 290.—**Ascroft, P. B.** Surgery in desert warfare. Mil. Surgeon, 1944, 94: 337–9.—**Ayoub, J. E. M.** Desiccation keratitis. J. R. Nav. M. Serv., 1944, 30: 79–86.—**Blood** transfusion in the desert. J. Am. M. Ass., 1943, 122: 53.—**Desert** fighting. Army & Navy Register, 1943, 64: 3 (clipping)—**Fellers, B. F.** Lecciones de la campaña en el desierto. Rev. mil. Perú, 1943, 40: pt 2, 1–12.—**Harrison, N. K.** Travelling transfusions in the Western Desert. Nurs. Times, Lond., 1944, 40: 148.—**Kwoczyński, J.** [Medical service of the brigade in desert warfare] Lek. wojsk., 1941, 34: 16–8.—**Literature** on desert warfare. Bull. M. Libr. Ass., 1943, 31: 61.—**Lucas, H. K.** Transfusion in the ambulance, its value in the Western desert. Lancet, Lond., 1943, 2: 503–5.—**Porritt, A. E.** Surgery in the desert. Mil. Surgeon, 1944, 94: 255–8. ——— [The hospital in the desert (Africa)] Med. rabot., 1944, 7: No. 10, 4; passim.—**Ravina, A.** Les expériences américaines et les besoins en eau des formations militaires dans les régions désertiques. Presse méd., 1948, 56: 602.—**Steuber, W.** Der Aufstand in der Wüste. In his Arzt & Soldat, Berl., 1940, 283–9.

DESICCATOR of plasma.

See **Blood transfusion,** Material: Plasma, dried.

DESTROYER.

See also **Ship**; also **Dermatology,** Organization; **Dermatosis; Medical department of ship.**

Bongiovanni, A. M. Psychometric examinations aboard a destroyer. U. S. Nav. M. Bull., 1947, 47: 27–32.—**Durburg, J. R.** Destroyer surgery. Ibid., 1945, 45: 171.—**Eaton, W. E.** Medical service in the destroyer force. Aesculapian, Chic., 1942–43, 33: No. 5, 7. Also Bull. North Br. Chicago M. Soc., 1942–43, 12: No. 5, 13.—**Minonosec.** In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1070–2.—**Ollerenshaw, G.** Improvised medical apparatus for use in H. M. destroyers. J. R. Nav. M. Serv., 1943, 29: 141–3.

DESTRUCTOR.

See also **Fecal matter; Equipment; Sanitary fill; Sanitation.**

Evans, F., & Clay, H. H. Portable all-metal destructor. J. R. Army M. Corps, 1943, 81: 86–8.

Osipenko, K. Destruktory. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 452–4.

DETENTION.

See also **Disciplinary barracks; Prison; Punishment.**

Conditions in detention barracks. Brit. M. J., 1943, 2: 764.—**Prewer, R. R.** Detention from the medical aspect. J. R. Nav. M. Serv., 1942, 28: 346–50. ——— Psychiatry in detention. Brit. M. J., 1944, 2: 368–70.

DETENTION camp.

See under **Camp; Recruit.**

DETERGENT.

Turner, J. M., & Harvey, M. H. Evaluation of acidolate, skin detergent. 7p. 26½cm. Bethesda, 1945.

Forms No. 18, Rep. Res. Proj. X–180, U. S. Nav. M. Res. Inst.

Slater, W. C. Detergents, ancient and modern. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, 5: 33–6.

DETONATION.

See **Ballistics; Explosion; Injury,** Blast.

DETOXICANT.

See under **Decontamination,** Equipment and apparatus.

DEXTRAN.

See **Blood transfusion,** Material: Substitutes of blood: Dextran.

DIABETES insipidus.

See under **Disease**—by specific types.

DIABETES mellitus.

See also **Glycosuria; Medical examination.**

United States. War Department. Technical bulletin TB MED 168: Diabetes mellitus. 8p. 26cm. Wash., 1945.

Altshuler, S. S. Diabetes in the armed services. Proc. Am. Diabetes Ass., 1944, 4: 111–8.—**Czosnyka, L. C.** Peripheral neuritis in diabetes mellitus. Mil. Surgeon, 1939, 85: 393–5.—**Furlong, J. J.** Diabetes mellitus in a naval hospital; review of fifty consecutive cases. U. S. Nav. M. Bull., 1947, 47: 42–51.—**Grafe, E., & Tropp, C.** Dreijährige Erfahrungen einer Korpsdiabetikerstation. Deut. Militärarzt, 1944, 9: 73–6.—**Gutzeit, K.** Erkenntnisse aus dem Kriege und für den Krieg bei der Behandlung des Diabetes mellitus. Münch. med. Wschr., 1944, 91: 271–4.—**Handelsman, M.** Diabetes mellitus. Bull. U. S. Army M. Dep., 1948, 8: 463–8.—**Hines, C. R.** Diabetes mellitus; presently recognized concepts of management. Ibid., 1949, 9: 912–9.—**Hirschfeld, I.** Periodontal symptoms associated with diabetes. Mil. Surgeon, 1939, 85: 489–500.—**John, H. L.** Diabetes and its relation to certain metabolic diseases. Army M. Bull., 1940, 51: 1–25.—**Joslin, E. P., Root, H. F.** [et al.] Current problems in diabetes mellitus. U. S. Nav. M. Bull., 1940, 38: 27–39.—**Lincke, F. E.** Der Zuckerkranke im Kriege. Umschau, 1940, 44: 193.—**Michaud, L.** Discours d'ouverture; l'expertise du diabète sucré. Helvet. med acta, 1944, 11: 3–15.—**Mowrey, F. H., & White, S. G.** Diabetes mellitus complicated by hypercholesterolemia, lipemia retinalis, and hepatomegaly; a case report. Mil. Surgeon, 1949, 105: 228–34.—**Rathery, F.** Les diabétiques aux armées. Bull. Acad. méd., Par., 1940, 123: 436–9. Also Gaz. hôp., 1940, 113: 467.—**Sherrill, J. W., Norman, I. L.** [et al.] The management of diabetes mellitus. U. S. Nav. M. Bull., 1949, 49: 29–40.

—— Disability.

Blotner, H., & Hyde, R. W. Studies in diabetes mellitus and transient glycosuria in selectees and volunteers. N. England J. M., 1943, 229: 885–92.—**Joslin, E. P.** Diabetes and military service. J. Am. M. Ass., 1943, 121: 198.

—— experimental.

Waisbren, B. A., & Samsell, J. E. Induction of alloxan diabetes in mice. 7p. 26½cm. Bethesda, 1948.

Forms No. 3, Rep. Res. Proj. X–759, U. S. Nav. M. Res. Inst.

Waisbren, B. A., & Vollmer, E. P. Effect of alloxan diabetes on susceptibility to streptococcal and pneumococcal infections in Swiss mice. 6p. 26½cm. Bethesda, 1948.

Forms Rep. No. 4, Res. Proj. NM 007 024 or, X–759, U. S. Nav. M. Res. Inst.

Effect of alloxan diabetes on susceptibility to streptococcal and pneumococcal infection in Swiss mice. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 8.—**Induction** of alloxan diabetes in mice. Ibid., Jan., 1.

—— in veterans.

DUNCAN, G. G. The management of diabetes mellitus. 16p. 27cm. Wash., 1947.
Forms Techn. Bull. TB 10–29, U. S. Veterans Admin.

MATZ, P. B. A study of diabetes mellitus among ex-service men. 19p. 26½cm. n. p., n. d.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10–18: Out-patient care of diabetes mellitus. 7p. 27cm. Wash., 1946.

Kamin, L. E. Toxic jaundice in diabetes. Med. Bull. Veterans Admin., 1943–44, **20**: 164–72.

DIAGNOSIS.

See such terms as **Medical laboratory; Medical technic; Neurosis; Radiodiagnostics;** also names of pathological conditions.

DIARRHEA.

See also **Digestive system,** Disease; **Dysentery; Dyspepsia; Epidemic: Typhoid.**

UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Diarrheal diseases. Rev. 5p. 27cm. Orlando, 1944.
Forms Pt 3, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F. U. S.

Absorption of quinine and atabrine in patients with diarrhea. Bull. U. S. Army M. Dep., 1944, No. 82, 25.—**Acute** diarrhoea in the tropics. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 12, 13.—**Armstrong, T. G.** Fatty diarrhoea. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 26–9.—**Bade, A.** Erfahrungen über die Behandlung der Durchfallkrankheiten bei der Truppe. Münch. med. Wschr., 1943, **90**: 231.—**Boycott, J. A.** Endemic diarrhoea. J. R. Army M. Corps, 1946, **87**: 81–6.—**Common** diarrhea in Korea. Health U. S. Army, 1947, **2**: No. 8, 10.—**Denecke, G.** Die Behandlung der Durchfallserkrankungen im Felde. Med. Klin., Berl., 1940, **36**: 1069; 1103.—**Diarrheal diseases.** Med. Bull. U. S. First Army, 1948, **3**: No. 4, 18.—**Diarrheal** and dysenteric diseases. Ibid., 1949, **4**: No. 7, 25–7.—**Felsen, J.** The prevention and control of infectious diarrheas among military forces. Mil. Surgeon, 1942, **91**: 65–74.—**Gordon, J. E.** The wide-spread epidemic of diarrhea in Army areas, autumn of 1944. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 2, No. 1, 11–3. ——— Water-borne common diarrhea. Ibid., 22. ——— Food-borne common diarrhea. Ibid., 24.—**Holler, G.** Das gehäufte Auftreten von Durchfallskrankheiten zur Zeit der Sommermonate im Generalgouvernement. Bull. War M., Lond., 1942–43, **3**: 164 (Abstr.)—**Kenamore, B.** Chronic diarrhea in military personnel returning from the tropics. Bull. U. S. Army M. Dep., 1947, **7**: 121–4.—**Kraemer, M.** Diarrhea in an Army general hospital. J. M. Soc. N. Jersey, 1946, **43**: 325–8.—**Plass, H. R.** Common diarrhea. Air Surgeon Bull., 1945, **2**: 99.—**Sherwood, R. O.** Sulfadiazine for acute diarrhea. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 38.—**Wakefield, E. G.** Diarrheal states. Mil. Surgeon, 1939, **84**: 373–5.

DICHLOROETHAN.

See under **Solvent.**

DICTATORSHIP.

See **Militarism,** Totalitarianism.

DIET.

See also **Dietitian; Hospital service,** Diet. For regular food service see **Food; Mess; Nutrition; Nutrition service; Ration; Ration supply.**

KATAEV, P. S. Об организации рационального и лечебного питания в эвакогоспиталях. 112p. 22cm. Moskva, 1942.
Forms No. 6, Sborn. instr. metod. mat. evakohosp.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. NAVMED 502: Diet formulary. 102p. 21cm. Wash., 1945.

Dawe, C. H. Diet and disease in the Navy. J. R. Nav. M. Serv., 1927, **13**: No. 4, 273–85.—**Debarge, J.** Régime et service militaire. Praxis, Bern, 1940, **29**: 595–7.—**Fox, L. A.** Reducing diet. Army M. Bull., 1939, **48**: 26–30.—**Marshak, M.** Dietoterapia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 499–510, tab.—**Self** selection of diets in rats rendered anoxic by decompression to altitude; salt appetite. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 21.—**Sutherland, H. A.** Supplementary feeding mixtures for convalescent Army personnel; preliminary clinical trails. Proc. Comm. Army M. Res. (Nat. Res. Counc. Canada) 1945, **7**. meet., **2**: C-6179.

DIETETIC service.

See **Hospital service,** Food supply and diet.

DIETITIAN.

See also **Women's Medical Specialist Corps;** also **Nutrition service.**

HAGAN, G. C. History of Medical Department hospital dietitians; of 20th Station Hospital. MS. 2p. and 2 incl. [ALSO: of 8th General Hospital, MS. 6p. and exhibits A–E] [Before Oct. 1945]
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY. EIGHTH GENERAL HOSPITAL. History of Medical Department hospital dietitians of 8th General Hospital. MS. 6p. [Before Oct. 1945]
MS. in Histor. Div. SGO U. S. Army.

VAN METER, A. R. The dietitian service. p. 1375–441. 22½cm. N. Y., 1922.
In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922.

Army (The) needs dietitians. J. Am. Diet. Ass., 1943, **19**: 355.—**Barber, M. I.** The dietitian in national defense program. Hospitals, 1941, **15**: No. 12, 20–3. Also Tr. Am. Hosp. Ass., 1941, **43**: 241–4 (Abstr.)—**Bensley, E. H.** The Army hospital dietitian. J. Canad. M. Serv., 1943–44, **1**: 216–20.—**Birkland, B.** The apprentice dietitian in an Army station hospital. J. Am. Diet. Ass., 1943, **19**: 708–10.—**Bulman, G.** Dietitians and the Veterans Administration. Ibid., 1946, **22**: 233–5.—**Burns, H. C.** The army dietitian and her duties. Ibid., 1942, **18**: 28–30. ——— The Army needs dietitians. Ibid., 1943, **19**: 625.—**Cox, E. L.** The dietitian in the Women's Army Corps. Ibid., 1944, **20**: 30–4.—**Dietitians** for foreign service, medical department, U. S. Army. Ibid., 1942, **18**: 382.—**Dunstan, E. M.** The Army Medical Department and the dietitian. Ibid., 1944, **20**: 441–3.—**Foley, M. A.** The Army hospital dietitian in World War I. Ibid., 398.—**Glimpses** of the Army dietitian in service. Ibid., 1943, **19**: 578.—**Holz, A.** The advantages to the dietitian of Army hospital training. Ibid., 710–2.—**Huddleson, M. P.** The dietitian in the World War. Ibid., 1940, **16**: 629–38.—**Jeffs, K.** Dietitians in the Royal Canadian Air Force. Ibid., 1944, **20**: 19–22.—**Johnson, W. M.** The dietitian in a large Army hospital. Ibid., 1943, **19**: 284–6.—**Manchester, K.** The dietitian in army service. Ibid., 1942, **18**: 30.—**Murray, E. M.** Duties of an army dietitian. Ibid., 676–8.—**Nelson, H. E.** The dietitian in an evacuation hospital. Ibid., 1944, **20**: 250.—**One** thousand women dietitians needed. Bull. U. S. Army M. Dep., 1944, No. 72, 8.—**Streidl, M. A.** The dietitian in the Army hospital. J. Am. Diet. Ass., 1944, **20**: 22–6.—**Van Meter, A. R.** Red Cross dietitians' service in the European War. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 1412.—**Viguers, R. T.** The dietitian in a small Army hospital. J. Am. Diet. Ass., 1943, **19**: 282–4.—**Why** the army dietitian needs military status. Ibid., 1941, **17**: 35–7.

—— Navy.

Brown, M. K. The dietitian in the Navy. J. Am. Diet. Ass., 1944, **20**: 26–8.—**Crozier, A. E.** The dietitian in the Royal Canadian Navy. Ibid., 1945, **21**: 366–8.—**Reed, R. M.** Dietitians in the Navy. Ibid., 100–2.

DIGESTIVE system.

See also **Gastroenterology; Injury**—by organs and regions; also names of digestive diseases as **Diarrhea; Dysentery; Peptic ulcer;** also **Stomach.**

Braicev, V. Priamaia kishka (rectum) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 934–47.—**Daikhovsky, J., Plecer, V., & Ochkin, A.** Zhelchnyi puzyr' (vesica fellea) Ibid., **2**: 669–75.—**Daikhovsky, J., & Shlapobersky, V.** Dvenadcatiperstnaia kishka (duodenum) Ibid., 326–31.—**Levig, V.** Pishchevod (oesophagus) Ibid., **4**: 544–55, pl.—**Molchanov, N., Tikhomirov, I., & Makarenko, A.** Kishechnik (enteron) Ibid., **2**: 1278–96, pl.—**Rakhlin, L., & Makarenko, A.** Podzheludochnaia zheleza (pancreas) Ibid., **4**: 687–94.—**Seo, S.** A special lecture on the physiological operation of digestive organs. Med. Techn. Intellig. Field Rep., 1946, No. 3, 39–44.—**Slater, I. H., & Lautkin, A.** Redundant duodenum; a radiographic study. U. S. Nav. M. Bull., 1946, **46**: 1651–7.

—— Disease.

See also such terms as **Diarrhea; Dysentery; Dyspepsia; Liver disease,** etc.

Allbee, R. H., & Mayfield, J. L. Obstruction of duodenum in case of failure of rotation of intestine associated with un-

fused pancreas and mesenteric bands. Mil. Surgeon, 1948, **103**: 452–7.—**Anderson, W. S.** Cevitamic acid in the treatment of duodenal and gastric hemorrhage. Med. Bull. Veterans Admin., 1938–39, **15**: 261–3.—**Broh-Kahn, R. H.** The laboratory diagnosis of enteric infections caused by the Salmonella-Shigella group. Mil. Surgeon, 1946, **99**: 770–6.—**Chamberlin, D. T.** Functional digestive disease as seen at Lawson General Hospital. J. M. Ass. Georgia, 1943, **32**: 40–3.—**Clegg.** Investigation into the aetiology of infective enteritis at Alexandria in the autumn of 1939. J. R. Nav. M. Serv., 1941, **27**: 206–8.—**Daikhovsky, J.** Kolit (colitis) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1359–66. ——— & **Ochkin, A.** Zhelchnokamennaia bolezn' (cholelithiasis) Ibid., 661–9.—**Dunn, W. H.** Gastroduodenal disorders, an important wartime medical problem. War Med., Chic., 1942, **2**: 967–83.—**Fernández Martínez, F.** Los enfermos de aparato digestivo a la guerra, en la guerra y por la guerra. Actual. méd., Granada, 1941, **17**: 321–8. Also Medicina, Madr., 1941, **9**: pt 2, 40–9.—**Gutzeit, K.** Die Beurteilung und Bewertung von Befunden im Magen-Darmkanal. Münch. med. Wschr., 1941, **88**: 693; 721.—**Hoshino, M., & Abe, M.** A case of primary duodenal cancer. Bull. Nav. M. Ass., Tokyo, 1940, **29**: 51.—**Hurst, A. F.** Constipation in soldiers. In his Med. Dis. War, 3. ed., Lond., 1943, 190–2.—**Kantor, J. L.** Digestive disease and military service; with special reference to the Medical Department of the U. S. Army. J. Am. M. Ass., 1942, **120**: 254–65.—**Kirchner, A. A.** The digestive disturbances of the Negro soldier as seen in a large Army general hospital. Rev. Gastroenter., 1944, **11**: 397–408.—**Novgorodskaia, E. M., Avdeeva, T. A.** [et al.] [Nature of gastro-intestinal disorders in dystrophic states] Raboty Leningr. vrach. za god Otechest. voiny, 1943, **3**: 46–55.—**Pulsifer, L.** Psychiatric aspects of gastrointestinal complaints of the soldier in training. Mil. Surgeon, 1944, **95**: 481–5.—**Rosenak, B. D., & Foltz, L. M.** Digestive diseases in a station hospital overseas; observations over a 2 year period. Gastroenterology, 1945, **4**: 213–27.—**Saleiro Pitão, J.** Doenças do trato digestivo em medicina militar. Rev. méd. circ. Brasil, 1945, **53**: 1–13.—**Schöneberg, G.** Der Verdauungsapparat. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 190–202. ——— Fragen der ärztlichen Beurteilung und Begutachtung; der Verdauungsapparat. Ibid., 2. Aufl., Dresd., 1944, 232–45.—**Vasconcelos, D., & Lima, J. F.** Duodenites parasitárias. Rev. med. mil., Rio, 1949, **38**: 47–52.

—— Foreign body.

Codas Thompson, Q., & Riveros, M. Cuerpos extraños en las vías digestivas. Rev. san. mil., Asunción, 1943, No. 136, 3–8, 10 pl.—**Dubau.** Epingle ouverte, barrette, dans les voies digestives. Bull. Soc. méd. mil. fr., 1939, **33**: 298.—**Rikkl, A. V.** Nekotorye itogi i perspektivy izucheniia deiatelnosti pishchevaritelnogo apparata cheloveka i zhivotnykh. Tr. Voen. morsk. med. akad., 1949, **17**: 289–320.

DIGITALIS.

See under **Therapeutics.**

DIMETHYL-PHTHALATE.

See **Clothing,** impregnated.

DIPHTHERIA.

See also **Immunization; Wound infection,** Diphtheria.

Diphtheria. J. R. Army M. Corps, 1939, **73**: 47–51.—**Diphtheria** in campaigns. Bull. Army M. Dep., Lond., 1944, No. 36, 1.—**Diphtheria** problems. Brit. M. J., 1943, **2**: 177.—**Diphtheria** in a war danger; London. J. Am. M. Ass., 1943, **122**: 1262.—**Dornhorst, A. C.** Diphtheria. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 105.—**Fleming, D. S.** Diphtheria and the war. McGill M. J., 1944, **13**: 313–22.—**H., J. W.** Diphtheria in military medical practice. Bumed News Lett., Wash., 1944, **3**: No. 9, 2–4.—**Harries, E. H. R.** Diphtheria. In: Med. Dis. War (Hurst, A. F.) 3. ed., Lond., 1943, 377–97. Also, 4. ed., Lond., 1944, 392–412.—**Hutchison, J. H.** Diphtheria. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 101–3.—**Meehan, J. W., & Michie, H. C.** Diphtheria. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 233–61.—**Nelson, K. R.** Diphtheria. War Med., Chic., 1941, **1**: 671–4.—**Rozova, E. N., & Nosov, S. D.** Difteriia za gody Voiny II. Sovet. med., 1947, **11**: No. 2, 11–3.—**Schmidt, B.** Diphtherie. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 72–83.—**Wood, P.** Diphtheria. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 103–5.

—— cutaneous.

United States. War Department. Technical bulletin TB MED 143: Cutaneous diphtheria. 6p. 26cm. Wash., 1945.

Altshuler, S. S., & Friend, F. Cutaneous diphtheria. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 4, 15–8.—**Chambers, J. V.** Cutaneous diphtheria. U. S. Nav. M. Bull., 1946, **46**: 744–8.—**Cutaneous** diphtheria. Bull. U. S. Army M. Dep., 1945, **4**: 292–4. Also Surgeon Circ. N. Sect. Far East Command, 1949, **4**: No. 4, 2.—**Gordon, J. E.** Chronic cutaneous diphtheria. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 4, 6.—**Kay, C. F., & Livingood, C. S.** Myocardial complications of cutaneous diphtheria. Bull. U. S. Army M. Dep., 1945, **4**: 462–4.—**Myers, J. D.** Chronic cutaneous diphtheria. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 19, 27–9.—**Recognition** and treatment of cutaneous diphtheria. Bull. U. S. Army M. Dep., 1945, No. 86, 20–2.

—— Diagnosis.

Kasuga, K. Suiso-ion nōdo ni yoru diphtheria-kin oyobi dō-rui zikin no bunrui ni tuite [Classification of diphtheria bacilli and allied micro-organisms according to the density of hydrogen ions] p. 1015–70. 21cm. Tokyo, 1928.

In: Gun idan zassi, 1928, No. 183.

——— & Okumura, N. Gram-si hō yō-sei diphtheria-kinzoku syo-kin no bunrui ni tuite [Classification of various kinds of gram-positive diphtheroid micro-organisms] p. 257–314. 21cm. Tokyo, 1928.

In: Gun idan zassi, 1928, No. 177.

Amies, C. R., & Roberts, J. The bacteriological diagnosis of diphtheria; methods evolved for the special conditions operating in a military hospital in the Middle East. J. R. Army M. Corps, 1945, **84**: 166–70.—**Ashbel, R., & Poliakova, A.** Diphtheria virulence tests on the Syrian hamster. Ibid., 1943, **81**: 191–3.—**Bejarano, J. F. R., & Romano, A.** Consideraciones sobre el diagnostico bacteriologico de la difteria. Rev. san. mil., B. Air., 1939, **38**: 1040–7.—**Casassa, M. T., & Demichelis, C.** Ricerche su stipiti di Corynebacterium dyphtheriae ai fini della classificazione secondo Anderson. Gior. med. mil., 1938, **86**: 1090–8.—**Detection** (The) of virulent diphtheria bacilli. Bull. U. S. Army M. Dep., 1946, **5**: 367.—**Diagnosis** of diphtheria. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 38.—**Diphtheria;** diagnosis. Bull. Army M. Dir., Lond. 1942, No. 10, 4.—**Lev, M., Volk, B. W.** [et al.] Rapid laboratory diagnosis of diphtheria. Bull. U. S. Army M. Dep., 1946, **6**: 105–9.—**Voit.** Diphtheria; early diagnosis; therapy except for serum therapy, pharyngeal and wound diphtheria, bacillus carriers, active and passive immunization. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 128–31; Disc., 133–7.

—— Disability.

Schoen. Diphtheriefolgen: Behandlung, Beurteilung der Dienstfähigkeit, spätere Einsatzmöglichkeit. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 162–6.—**Uhlenbruck.** Diphtheriefolgen, Behandlung und Beurteilung der Einsatzfähigkeit. Ibid., 166–72.

—— Epidemiology.

Bolton, J. H., & Pivawer, M. J. Faucial diphtheria among army personnel in Belgium, 1945; an analysis of 122 cases. Brit. M. J., 1947, **1**: 373–6.—**Dennis, R. L.** Report of a diphtheria epidemic. U. S. Nav. M. Bull., 1945, **45**: 517–9.—**Diphtheria** experience in the Emergency Public Health Laboratory Service during 1941. Month. Bull. Emerg. Pub. Health Lab. Serv., Lond., 1943, **2**: April, 31–6.—**Jacobziner, H.** A Schick survey on Guam. U. S. Nav. M. Bull., 1947, **47**: 923–6.—**Norris, R. F., Kern, R. A.** [et al.] Diphtheria in the tropics; a report of 18 cases on a United States naval hospital ship. Ibid., 1944, **42**: 518–24.—**Quiroz, J. D.** La difteria en nuestro medio rural. Rev. san. mil., Asunción, 1939–40, **13**: 1004–7.—**Recent** diphtheria experience. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **3**: No. 2, 9.—**Sellers, A. H., Caldbrick, G. D., & Hardie, J. B.** Wartime diphtheria experience in the Royal Canadian Air Force in relation to the use of diphtheria toxoid. Canad. J. Pub. Health, 1949, **40**: 193–9.—**Stern, R. L., & Grynkewich, S. E.** Diphtheria epidemic in adults in the tropics. Bull. U. S. Army M. Dep., 1946, **5**: 562–9.

—— Pathology, and clinical aspect.

Altshuler, S. S., & FitzGerald, P. J. The heart in diphtheria. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **4**: 3–6.—**Burke, E. N.** Diphtheritic myocarditis, a report from an Army laboratory. Ibid., 1946, No. 2, 14–6.—**Cushing, R. W.** Diphtheria; the bull neck hypertoxic type; a mixed infection. J. R. Army M. Corps, 1943, **81**: 165–70.—**Givhan, E. G.,** jr, **& Mahon, E. J.** Diphtheritic paralysis. U. S. Nav. M. Bull., 1945, **45**: 267–9.—**Kent, G. T.** Diphtheritic myocarditis. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, 1: No. 4, 16–20.—**Küttner.** Peritonsillitis und Diphtherie. Deut. Militärarzt, 1943, **8**: 330–2.—**Lynch, H., & Dovey, E. G.** Nasal diphtheria invading the paranasal sinuses, with curious history. Med. Bull. Veterans Admin., 1943–44, **20**: 212–4.—**Okabe, K.** [A case of conjunctivitis due to diphtheria] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 194–6, pl.—**Rankin, J. H.** Diphtheritic polyneuropathy. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 32, 32–5.

—— Prevention.

See also under **Immunization.**

Bejarano, J. F. R. Algunas consideraciones sobre el valor de la reacción de Schick. Rev. san. mil., B. Air., 1943, **42:** 197–204.—**Curtis, J. K.** Diphtheria; prevention and control. Bumed News Lett., Wash., 1945, **5:** No. 4, 8–10.—**Denhoff, E., Kolodny, M. H.** [et al.] Plan to control diphtheria in a general hospital. Bull. U. S. Army M. Dep., 1946, **6:** 59–66.—**Diphtheria** antitoxin; new scales of issue. Bull. Army M. Dep., Lond., 1944, No. 39, 8.—**Karelitz, S., & Moloshok, R. E.** Immunity to diphtheria in Army personnel. War Med., Chic., 1944, **6:** 232–5.—**Kariya, K., Yamamoto, K., & Shibatani, T.** [Prophylaxis for diphtheria among naval men] Bull. Nav. M. Ass., Tokyo, 1941, **30:** 137–49.—**Sellers, A. H., Baillie, J. H.** [et al.] Findings on re-Schick testing of Air Force personnel. Canad. J. Pub. Health, 1945, **36:** 390–5.—**Watarai, R., Itō, I.** [et al.] Tyūbu Maru-maru butai ni okeru diphtheria no bōeki ni tuite [Quarantine for diphtheria in a division of the Japanese army] Gun idan zassi, 1943, 81–3.

—— Treatment.

Bachmann, A. A propósito del empleo del suero antidiftérico en la llamada difteria hipertóxica. Rev. san. mil., B. Air., 1942, **41:** 119–22.—**Benjarano, J. F. R.** Consideraciones sobre el tratamiento y la profilaxis de la difteria. Ibid., 1943, **42:** 593; 643; 745.—**Bonetti Dupont, C. A.** Tratamiento de la difteria grave. Ibid., 248–56.—**Death** from mismanaged diphtheria. Bull. Army M. Dep., Lond., 1945, No. 43, 7.—**Duliscouet.** Recherches expérimentales sur une substance bactériolytique dérivée des germes antagonistes; ses applications dans la thérapeutique de la diphtérie. Arch. méd. pharm. nav., 1939, **129:** 410–43.—**Gordon, J. E.** Serum treatment of diphtheria. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 13, 9.—**McDaniels, H. E.** Penicillin resistance of diphtheria bacilli. Mil. Surgeon, 1945, **96:** 95.—**Skinner, J. W.** Penicillin in persistent diphtheria; treatment of patients with repeated positive throat cultures. U. S. Nav. M. Bull., 1945, **45:** 264–6.

DIPHTHERIA carrier.

See also **Diphtheria; Immunization.**

Bagnall, A. W., & Bain, A. F. Use of penicillin in the carrier stage of faucial diphtheria; interim report of its use in a group of 47 cases. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 107–9.—**Berman, B. B., & Spitz, S. H.** Treatment of diphtheria carriers with penicillin. Bull. U. S. Army M. Dep., 1945, **4:** 87–91.—**Hertel.** Zur Behandlung von Diphtheriebazillenträgern und Dauerausscheidern. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 113–5.—**Karelitz, S., Moloshok, R. E., & Wassermann, L. R.** Penicillin in the treatment of diphtheria and the diphtheria carrier state. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 32, 67–72.—**Klose, Siebrecht & Darge.** Zur Frage der Entkeimung von Diphtheriebazillenträgen und Dauerausscheidern. Oeff. Gesundhdienst., 1944, **10:** A, 74–83.—**Schiavone, E. L.** Busqueda de portadores sanos de Corynebacterium diphtheriae; algunas consideraciones sobre ellos. Rev. san. mil., B. Air., 1941, **40:** 68; 185.—**Thrift, G. N.** The report of a persistent nasal diphtheria carrier treated with penicillin. Med. Bull. Medit. Theater of Oper. U. S. 1945, **3:** 19.

DIPHTHERIA Commission.

Report of Diphtheria Commission. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1:** No. 4, 49–52.

DIPLOPIA.

See under **Vision.**

DIRECTORY.

Strait, N. A. Roster of all regimental surgeons and assistant surgeons in the late war, with their service, and last-known post-office address. 320p. 23cm. Wash., 1882.

DISABILITY.

See also **Defect; Disabled; Discharge; Rejection;** also such terms as **Dermatosis,** Disability; **Diabetes mellitus,** Disability; **Diphtheria,** Disability; **Neurosis,** Disability; **Venereal disease,** Disability; **War neurosis,** Disability.

Galli, E. A. Ventaja del reconocimiento previo de toda la clase militar, para disminuir, corregir y prevenir invalideces. Relat. of Conf. argent. As. ayuda &c. inválido (1943) 1944, 1. Conf., 210–3.—**Molodcov, N.** Invalidnost. In: Enciкl. slovar voen. med., Moskva, 1946–48, **2:** 900.—**Wohrizek, T.** Zur Behandlung der Invalidität. Prag. med. Wschr., 1915, **40:** 232–4.—**Zelenev, N., & Slobodsky, K.** Invalidnost voenniaa. In: Bolsh. med. enciкl., 1930, **11:** 344–51.

—— Classification and disposition.

Abuse of medical disposition channels. Bull. U. S. Army M. Dep., 1945, No. 85, 34.—**Brooke, R.** The assessment of functional recovery after war wounds of the limbs. J. R. Army M. Corps, 1941, **77:** 19–23.—**Casos** de invalidez c de incapacidade física para o serviço militar. An. Min. educ. Brasil, 1945, Jan., 7–14.—**Corr, W. P.** The disposition of substandard military personnel. California West. M., 1943, **59:** 116–9.—**McIntire, R. T., & Denfeld, L. E.** Enlisted personnel of the active list disabled for general service, disposition in the case of (Form letter) Bumed News Lett., Wash., 1944, **4:** No. 13, 42–4.—**Recommended** invalidings for a selected group. Statist. Navy M., 1949, **5:** No. 3, 2–5.—**Vigdorchik, N. A.** K voprosu o peresmotre deistvuiushchei klassifikacii invalidnosti. Vrach. delo, 1945, **25:** 601–6.

—— Evaluation.

Strickland, C. R. Disabled American veterans; interpretation of disabilities for rating purposes. 37 l. 22cm. Wash., 1946.

Avendaño, L., & Zavala y Zavala, M. Medicina legal militar; informes sobre invalidez. Crón. méd., Lima, 1905, **22:** 125–8; 1906, **23:** 357–9.—**Benn, G.** Wehrdienstbeschädigung im Sinne der Verschlimmerung. In: Arzt i. d. Wehrmachtvers (Heinemann-Grüder, C.) Dresd., 1942, 97–102.—**Boriani, G.** Quanto può e deve dare l'indagine radiologica nella diagnosi e nella valutazione delle malattie ed imperfezioni compresc negli elenchi A e B (cause di inabilità al servizio militare) Gior. med. mil., 1942, **90:** 748–74.—**Borri, L.** Posizione etico-giuridica della lesività bellica e deduzioni medico legali. Riv. med. leg., 1916, **6:** 40; 65; 287.—**Bradford, C. H.** Considerations for the evaluation of physical disabilities. Mil. Surgeon, 1943, **92:** 25–31.—**Causes** of invalidism in military service [Australia] J. Am. M. Ass., 1941, **116:** 2610.—**Ewald, G.** Grundlagen und Erfahrungen auf dem Gebiete der Wehrdienstbeschädigung-Frage. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 85 (Abstr.)—**Fiske, C. N.** Damage table for physical disability in United States Navy, 1910, international nomenclature. U. S. Nav. M. Bull., 1912, **6:** 217.—**Granjux.** De l'état antérieur dans l'appréciation de l'invalidité des militaires. Paris méd., 1915–16, **20:** 591.—**Gullbring, A., & Beinof, R.** [Examinations by specialists and revision of pensions for lung- and cardiac cases acquired during military service] Hygiea, Stockh. 1937, **99:** 657–67.—**Kessler, W.** Die Grundlagen für die Beurtcilung der Dienstbeschädigungsfolgen. Deut. Militärarzt, 1939, **4:** 276–81.—**Martineck.** Invaliditätsbeurteilung bei Kriegsverletzten. Deut. med. Wschr., 1943, **69:** 580.—**Rühe.** Beurteilung von Dienstbeschädigungsfragen (D. B.-Fragen) Veröff. Heer. San., 1937, H. 102, 269–77.—**Schnizer.** Dienstbeschädigung für Rheumatismus und Tuberkulose nicht anerkannt. Aerztl. Sachverst. Ztg, 1926, **32:** 22–5.—**Vokoun, F. J.** Lessons learned from pension rating boards. Bull. U. S. Army M. Dep., 1944, No. 77, 113–5.—**Weidenmann, W.** Zur Frage der Dienstfähigkeit beim Fehlen des Schlüsselbeins. Deut. Militärarzt, 1938, **3:** 487–91.

—— Line of duty.

See also preceding subheading; also **Forensic medicine.**

Ambrogi. Infirmités acquises par les réservistes après l'accomplissement du service légal. Bull. Soc. méd. mil. fr., 1938, **32:** 445.—**Benn, G.** Fragen der ärztlichen Beurteilung und Begutachtung; medizinische Fragen; allgemeiner Art; die Zusammenhangsfrage. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 89–97.—**Chamberlain, W. P.** Decisions as to whether or not disabilities were in line of duty. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9:** 587–609.—**Criterio** (Il) cronologico nella causalità lesiva di servizio. Gior. med. mil., 1933, **81:** 1070–2.—**Rey.** L'imputabilité au service des infirmités. Montpellier méd., 1918, **40:** 166.—**Viola, D.** In tema di causalità lesiva di servizio in medicina legale militare. Arch. antrop. crim., Tor., 1936, **56:** suppl., 644–8.—**Wachsmuth.** Ueber Dienstschäden am Bewegungsapparat. Deut. Militärarzt, 1937, **2:** 193–201.

—— mental.

See also **Recruit,** Mental defective.

Gowan, L. R. Psychiatric aspects of military disabilities. U. S. Nav. M. Bull., 1943, **41:** 129–37.—**Tredgold, R. F.** Invalidism from the Army due to mental disabilities; the aetiological significance of military conditions. J. Ment. Sc., Lond., 1942, **88:** 444–8.

DISABILITY allowance.

See also **Disabled,** Laws and regulations; **Injury,** Compensation.

Fitzgibbons, L. E. Disability benefits for discharged soldiers; law, regulation and procedure. Current Leg. Thought, 1945–46, **12:** 184–97.—**Margolis, D. J.** Compensation laws and the Veterans Administration. J. Nerv. Ment. Dis., 1945, **101:** 462–9.

DISABLED.

See also **Blind; Casualty; Deaf; Disability; Injury; Veteran; War victim; Wounded.**

Wells, E. C., & Moss, J. W. We're not heroes! Cartoons of life in a veterans hospital. 24 l. 8° n. p., 1933.

Yost, E., & Gilbreth, L. E. M. Straight talk for disabled veterans. 31p. 21cm. N. Y., 1945.

Forms No. 106, Pub. Affairs Pamphl.

Buckelew, H. H. The returning injured soldier. J. Arkansas M. Soc., 1945–46, **42**: 173–5.—**Child, I. L.** Personal adjustment of the disabled veteran. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 135–43.—**Dollinger, G.** Mi történjék a rokkant katonákkal? Orv. hetil., 1915, **59**: 73–6. Also German tr., Pest. med. chir. Presse, 1915, **51**: 25–8.—**Erhebungen** über das Ableben der Kriegsbeschädigten. Reichsgesundhbl., 1936, **11**: 257.—**Molodcov, N.** Invalid voiny. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 896–900.—**Mowrer, E. R., & Mowrer, H. R.** The disabled veteran in the family. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 150–9.—**Phalen, J. M.** Our attitude toward the disabled. Mil. Surgeon, 1943, **93**: 376.—**Physically** (The) disabled. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 10–9.—**Wittkower, E.** The war-disabled; their emotional, social, and occupational situation. Brit. M. J., 1945, **1**: 587–90.

—— Care.

See also **Rehabilitation.**

American National Red Cross. Helping disabled veterans. 72p. 23cm. Wash., 1945.

Brown, F. J. Schools and colleges serve the disabled. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 165–74.—**Clark, O. W.** The disabled soldier, his care over 300 years. Crippled Child, 1942–43, **20**: 145.—**Danzig, D.** USO and the disabled service man. Occup. Ther. Rehabil., 1945, **24**: 168–70.—**Harcourt, J. d'.** El problema de los inválidos de guerra. An. med. Ateneo Ramón y Cajal, Méx., 1943–44, No. 3, 33–47, illust.—**Heidinger, J. V.** It is the duty of the government to make provision for the care of its disabled veterans. Congressional Record, 1943, **89**: A2863 (clipping)—**Mann, I. T.** Our relationship to the disabled ex-service men of the state. Tr. M. Soc. N. Carolina, 1924, **71**: 113–7.—**Outhwaite, L.** The physically handicapped in the war and postwar period. Proc. Nat. Conf. Social Work, 1942, **69**: 489–98.—**Return** of the disabled. Lancet, Lond., 1943, **2**: 675.—**Rice, M. W.** The program of the Disabled American Veterans. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 59–64.—**Simple** devices enable veterans to drive motor vehicles safely. Occup. Ther. Rehabil., 1945, **24**: 263.

—— Care—in foreign countries.

India. Army. Medical Directorate. Invaliding overseas; officers' postal addresses. p. 2. 25cm. Delhi, 1945.

Forms No. 256, Admin. Instr. M. Dir. Army India.

[Italy] Opera Nazionale per la protezione ed assistenza degli invalidi della guerra. Agli invalidi della guerra. 67p. 20½cm. Roma, 1918.

Kriegsbeschädigtenfürsorge (Die) v.1, 1 v. 25½cm. Berl., 1916–17.

For continuation see Die Kriegsbeschädigten- und Kriegerhinterblicbenen-Fürsorge.

Kriegsbeschädigten- (Die) und Kriegerhinterbliebenen-Fürsorge. v.4–5. 2v. 25½cm. Berl., 1920–21.

Continuation of Die Kriegsbeschädigtenfürsorge.

Radike, R. Kriegsbeschädigten-Fürsorge des stellvertretenden Sanitätsamts des III. Armee-Korps in Gemeinschaft mit dem Landesdirektor der Provinz Brandenburg. 96p. 22cm. Berl., 1916.

Soukhov, A. Les invalides de guerre au pays des Soviets. 27p. 16½cm. Moskva, 1944.

Todd, J. L. The French system for return to civilian life of crippled and discharged soldiers. 75p. 28cm. N. Y., 1918.

Forms No. 5, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

Underhill, R. M. Provision for war cripples in Italy. 18p. 28cm. N. Y., 1918.

Forms No. 12, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

—— Provision for war cripples in Germany. 45p. 28cm. N. Y., 1918.

Forms No. 13, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

Bosredon, L. La caisse des invalides de la Marine. J. méd. Bordeaux, 1929, **59**: 379–88.—**Brofeldt, S.** Vården av krigsinvaliderna. Nord. med., 1941, **10**: 1104 (Abstr.)—**D., D.** Une belle réalisation en faveur des invalides de guerre. Rev. internat. Croix Rouge, 1948, **30**: 563–6.—**Douriez, P.** Soins gratuits aux pensionnés de guerre; étude des récentes réformes. Concours méd., 1943, **65**: 18–21.—**Geiger.** Kriegsbeschädigtenfürsorge. Deut. Aerztebl., 1934, **64**: 168–75.—**Heinemann-Grüder, C.** Geschichte der Versorgung beschädigter Soldaten in Preussen-Deutschland. In his Arzt i. d. Wehrmachtvers., Dresd., 1942, 1–5.—**Heinonen, J.** Om krigsinvalidvården i Finland. Nord. med., 1947, **36**: 2264–6.—**Jazykov, D. K.** Organizacionnyi plan izucheniya otdalennykh rezultatov vosstanovitelnogo lecheniya invalidov Velikoi otechestvennoi voiny. Sovet. zdravookhr., 1949, 28–35.—**Model** village for disabled Chinese soldiers. Month. Labor Rev., 1944, **58**: 760.—**Perret, J. L.** L'aide aux invalides de guerre en Finlande. Rev. internat. Croix Rouge, 1941, **23**: 406–8.—**Sabatié, R.** Pour les invalides. Caducée, 1908, **8**: 50.—**Soukhov, A.** La réadaptation sociale des invalides de guerre en Russie Soviétique. Ann. méd. sociale, Par., 1945, **2**: No. 13, 2.—**Zienkiewicz, M.** Stan obecny opieki nad inwalidami wojennymi w M. S. wojsk. Lek. wojsk., 1921, **2**: 1645–52.

—— Disease.

Delius, L. Kreislaufkrankheiten und Nierenkrankheiten bei Kriegsbeschädigten; Häufigkeit, Erscheinungsform und Verlauf. 124p. 8° Lpz., 1936.

Forms Heft 28, Arbeit & Gesundh. O. Martineck.

Kameneva, E. N. [Neural health of war invalids] 35p. 17cm. Moskva, 1928.

Annenberg, M. I. Iz opyta trudovoi konsultacii dlia invalidov Otechestvennoi voiny s nervnopsikhicheskimi zabolevaniiami na zavode. Sovet. nevropsikh., 1948, **7**: 183–8.—**Ozherelev, A. A.** Kharakteristika khirurgicheskikh zabolevanii u invalidov Voiny II. Hosp. delo, 1947, No. 6, 3–9.

—— Employment.

Beschäftigung (Die) von Schwerbeschädigten in der Eisen- und Metallindustrie. Bd 1. 428p. 25½cm. Hannover, 1940.

Krais, F. Die Verwendungsmöglichkeiten der Kriegsbeschädigten in der Industrie, in Gewerbe, Handel, Handwerk, Landwirtschaft und Staatsbetrieben. 455p. 25½cm. Stuttg., 1916.

New York, N. Y. Institute for the Crippled and Disabled. Publications. Ser. 1, No. 16: Opportunities for the employment of disabled men. 33p. 28cm. N. Y., 1918.

Stein, G. R. Placement technique in the employment work of the Red Cross Institute for Crippled and Disabled Men. 11p. 28cm. N. Y., 1918.

Forms No. 9, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

[United States] Conference on selective placement of disabled veterans and other handicapped [1945] Proceedings. 146p. 27cm. Wash., 1945.

Verzhbilovsky, P. P. Trudovoe ustrojstvo invalidov otechestvennoj vojny. 31p. 20cm. Moskva, 1943.

Baker, H. Industry's plans for absorbing the disabled veteran. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 128–34.—**Banta, K. V.** Placement service for disabled veterans. Ibid., 109–14.—**Batsheva, M. M., Brandis, S. A., & Gorkin, Z. D.** Opyt racionalnogo trudoustroistva invalidov Otechestvennoi voiny, rabotaiushchikh na zavodakh Kharkova. Vrach. delo, 1946, **26**: 533–8.—**Bishop, W. A.** The doctor's part in the placement of disabled veterans. J. Am. Insur., 1944, **21**: No. 8, 8, &c.—**Bridges, C. D.** Workmen's Compensation and employment of the handicapped. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 48–53.—**Brusilovsky, L. J.** O trudoustroistve invalidov Otechestvennoi voiny. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 48–50.—**Cardwell, M.** The return to employment of disabled ex-service men. Med. Press & Circ., Lond., 1944, **212**: 204–7.—**Cosgrove, E.** The disabled veteran in the Federal Government. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 115–21.—**Crissey, O. L.** Selective placement at AC Spark Plug Division, GMC. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 40–7.—**Davydova, A. N.** Trudoustroistvo invalidov Otechestvennoi voiny s posledstviiami pronikaiushchikh ranenii cherepa.

Sovet. nevropsikh., 1948, 7: 199–205.—**Employment** of disabled veterans and other handicapped persons; mutual companies announce policy and plan for placement of returning servicemen. J. Am. Insur., 1944, 21: No. 7, 7.—**Hayes, H. T.** Employer institutes on selective placement. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 133–5.—**Hellerstein, S. G.** [Organization of work for wounded with partial loss of working capacity] Nevropat. psikhiat., 1942, 11: No. 4, 70–3.—**Hendrix, A. A.** New experiences in putting the disabled veteran back to work. Proc. Indust. Hyg. Found. America, 1944, 9. meet., pt 1, 15–21.—**Hussey, R.** The industrial physician views selective placement. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 95–100.—**Jansson, K.** Arbetsvården av krigsinvalider i Finland. Nord. med., 1949, 42: 1944–7.—**Kennedy, E.** Employer institutes on selective placement. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 136.—**Kholodkovski, V.** Le travail des invalides de guerre en U. R. S. S. Sem. hôp., Par., 1946, 22: 1342–5.—**Kleditz.** Die Beschäftigung von Kriegs- und Unfallverletzten in der Eisen- und Metallindustrie. Arbeitsschutz, 1941, 83–5.—**Krieger, H. L.** The industrial physician views selective placement. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 106–8.—**Lindgren, H. C.** The Navy counsels the war-disabled. Occupations, 1944–45, 23: 133–5.—**Litchfield, E. H.** The disabled veteran in State and local government. Ann. Am. Acad. Polit. Social Sc., 1945, 239: 122–7.—**Novicky, B. E.** Opyt raboty po trudoustroistvu invalidov Otechestvennoi voiny. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 50–2.—**Olander, M. M.** Owens-Illinois employs the disabled. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 38.—**Peterson, C. M.** War casualties and industrial rehabilitation. Mississippi Valley M. J., 1944, 66: 56. ——— The industrial physician views selective placement. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 109–12.—**Rehabilitation:** a study of the health and working experience of 1000 consecutive persons boarded out of the Forces as unfit for further service. Health Bull., Edinb., 1942–43, 2: 35–7.—**Reid, J.** The AF of L and the disabled worker. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 56–8.—**Rühe, E.** Arbeitsverwendungsunfähigkeit, Versehrtheit. Deut. Militärarzt, 1939, 4: 535–40.—**Rusk, H. A.** The disabled, the physician and employment. South. M. J., 1946, 39: 501–7.—**Selby, C. D.** The industrial physician views selective placement. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 101–5.—**Smirnow, V.** Selective placement for the handicapped handbook. Ibid., 9–17.—**Stover, E. M.** Industry brings jobs to veterans in hospitals. Occupations, 1943–44, 22: 474–6.—**Streets, B. F.** Guidance of the disabled veteran returning to work. Proc. Indust. Hyg. Found. America, 1944, 9. meet., pt 1, 25–33.—**Velosky, J. G.** The C. I. O. and the disabled worker. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 54.—**Weatherby, E. C.** Selective Service plans for disabled veterans. Ibid., 27–33.

—— Examination.

See also **Medical examination.**

Bond, G. S. Survey and invaliding procedure. J. R. Nav. M. Serv., 1930, 16: 77–89.—**Kinsey, R. E.** Study of 1,000 separated from the Army on certificate of disability of discharge. Bull. U. S. Army M. Dep., 1943, No. 69, 64–75.—**Serbinov, I. F.** Itogi medicinskogo pereosvidetel'stvovaniia invalidov Otechestvennoi voiny v Ukrainskoi SSR. Sovet. zdravookhr., 1947, 28–33.—**Thorndike, A.** The disabled veterans of World War II; analysis of 600 cases examined at Harvard University. N. England J. M., 1948, 238: 48–51.

—— Laws and regulations.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 187/1: 1. Fürsorge- und Versorgungsgesetz für die ehemaligen Angehörigen der Wehrmacht und ihre Hinterbliebenen; Wehrmachtfürsorge- und -versorgungsgesetz. 2. Fürsorge- und Versorgungsgesetz für die ehemaligen Angehörigen der Wehrmacht bei besonderem Einsatz und ihre Hinterbliebenen; Einsatzfürsorge- und -versorgungsgesetz. 585p. 22cm. Berl., 1940.

Souquet, J. Code des anciens combattants et des victimes de la guerre. 3. éd. 803p. 8° Par., 1936.

N., J. L'application de l'article 64 de la loi des pensions ce que coûtent à l'Etat des soins aux pensionnés de guerre. Concours méd., 1940, 62: 795.—**Rühe.** New laws governing the care and welfare of disabled soldiers in Germany. Bull. War M., Lond., 1941–42, 2: 153 (Abstr.)—**Tarifs** pour la rémunération des soins médicaux auxquels les invalides de guerre ont droit en vertu de l'article 64 de la loi des pensions. J. sc. méd. Lille, 1921, 39: pt 2, 145–7.

—— Medical and health service.

See also **Orthopedics.**

Martineck, O., & Kühne, H. Einführung in die deutsche Sozialversicherung und Kriegsbeschädigtenversorgung. 387p. 8° Berl., 1932.

Forms Heft 20 Arbeit & Gesundh. O. Martineck.

Milovidskaia, K. Лечебная помощь инвалидам Отечественной войны. 48p. 14½cm. Moskva, 1946.

Aleksandrovsky, A. B. [The treatment of the disabled of the present war] Sovet. zdravookhr., 1944, No. 9, 23–8.—**Andreeva, I. A.** Opyt dispansernogo obsluzhivaniia invalidov Velikoi otechestvennoi voiny v poliklinike. Ibid., 1949, 35–8.—**Antelava, N. V.** Organizaciia lechcniia invalidov Voiny II v Gruzinskoi SSR i analiz itogov pervogo goda lecheniia. Hosp. delo, 1947, No. 6, 9–13.—**Babichev** [Experience in the work of the interregional Committee for selection of the disabled of the Patriotic war for treatment] Sovet. zdravoohr., 1944, No. 12, 58.—**Brofeldt, S. A.** Viime sotamme invaliidicn huollosta ja sen järjestelystä; vara krigsinvaliders vard och dennas organisation. Nord. med., 1941, 9: 626 (Abstr.)—**Careful** hospital program outlined for disabled soldiers, sailors; suggestions offered for assisting in rehabilitation of the wounded. Hosp. Management, 1943, 56: No. 5, 22–4.—**Genkina, M. N.** Medicinskaia i socialno-proizvodstvennaia kharakteristika invalidov Otechestvennoi voiny s neuropsikhicheskimi narusheniiami. Sovet. nevropsikh., 1948, 7: 49–58.—**Griffith, C. M.** Medical and hospital service experience with disabled veterans of World War II. Mil. Surgeon, 1943, 92: 135–40. Also in Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 498–504.—**Grossman, Y. L.** Organizaciia lechebnoi pomoshchi invalidam Voiny II; zhiteliam selskikh mestnostei. Sovet. med., 1947, 11: No. 5, 27–30. ——— & **Sysolin, K. G.** O nekotorykh nedostatkakh v medicinskom obsluzhivanii invalidov Velikoi otechestvennoi voiny. Sovet. zdravookhr., 1947, No. 7, 19–23.—**Güntz, E.** Ziel und Erfolg bei der Behandlung von Körperbehinderten unter Berücksichtigung ihres späteren Arbeitseinsatzes. Oeff. Gesundhdienst., 1941–42, 7: B, 53–62.—**Kolesnikov, S. A.** [Organization of specific treatment of disabled soldiers of the present war] Sovet. zdravookhr., 1943, No. 6, 3–10.—**Kononenko, I. F.** Lechenie invalidov Otechestvennoi voiny; vazhneishaia gosudarstvennaia zadacha. Vrach. delo, 1946, 26: 97–104.—**Krusen, F. H.** Physical measures for treatment of the disabled. Mil. Surgeon, 1940, 86: 391–3.—**Kurashov, S. V.** [Polyclinical service of the disabled of the Patriotic war] Sovet. zdravookhr., 1944, No. 10, 15–22.—**Medical** bills in Congress; changes in status. J. Am. M. Ass., 1941, 117: 376.—**Ognev, B. V.** [Medical service for disabled soldiers of the present war in the Krasnopresnensky district in Moscow] Sovet. zdravookhr., 1944, No. 7, 38–41.—**Petrosian, K. A.** Organizaciia lecheniia invalidov Voiny II v Armianskoi SSR. Hosp. delo, 1947, No. 6, 13–6.—**Shimshelevich, B. J.** [Physical methods of treatment of the disabled of the Patriotic War in the polyclinics and health stations] Med. sestra, Moskva, 1945, No. 6, 3–7.—**Soins** médicaux aux ayants droit. Arch. méd. belges., 1934, 87: 132.—**Viktorov, V.** Problemy lecheniia invalidov voiny. Med. rabot., 1946, 9: No. 32, 2.—**Vladimirovich, G. A.** O lechenii invalidov Otechestvennoi voiny v Moskovskoi oblasti. Sovet zdravookhr., 1945, No. 7–8, 11–7.—**Williamson, T. B.** Why the medical commission? Illinois M. J., 1934, 66: 239–41.

—— Rehabilitation.

See also **Rehabilitation.**

American National Red Cross. ARC circular 1263: Helping disabled veterans. 72p. 23cm. Wash., 1945.

Ferrannini, L. La rieducazione professionale degli invalidi della guerra. 118p. 18½cm. Milano, 1916.

Flemming, E. Wie Kriegsbeschädigte und Unfallverletzte auch bei Verstümmelung ihr Los verbessern könncn. 104p. 30cm. Saarbrückcn, 1915.

Fuss, F. Rehabilitation of the disabled serviceman: a selected bibliography. 8p. 23cm. N. Y., 1944. Also rev. & enl. ed. 14p. 23cm. N. Y., 1944.

Galtier-Boissière, E. Oeuvres protectrices du soldat blessé ou malade. 80p. 8° Par., 1917.

Industrial Hygiene Foundation of America. Special series, bulletin No. 2–4: Putting the disabled veteran back to work. Pt 1–3. 3 nos. 23cm. Pittsb., 1943–46.

Interallied Conference on the Aftercare of Disabled Men [3. Conf., Roma, 1919] L'assistenza di guerra in Italia. 815p. 26cm. Roma, 1919.

Maisel, A. Q. The wounded get back. 230p. 21cm. N. Y., 1944.

Owen, J. P., Kessler, H. H. [et al.] Rehabilitation of the war-disabled. p. 1439–49. 23cm. Annap., 1944.
Proc. U. S. Nav. Inst., 1944, 70:

San Antonio, Texas. San Antonio Aviation Cadet Center. Station Hospital. Rehabilitation of war casualties; preliminary bibliography. 13p. 22cm. S. Antonio, 1943.

Selby, C. D., Andrews, J. N. [et al.] Putting the disabled veteran back to work. 24p. 23cm. Pittsb., 1943. Also 2. ed. 33p. 23cm. Pittsb., 1945.

Andrews, J. N. Putting the disabled veteran back to work. Indust. Hyg. Digest, 1944, **8:** No. 11, 7–9.—**Barth.** Die Zurückführung der Kriegsbeschädigten ins Berufsleben durch Schulung. In: Verwendungsmögl. d. Kriegsbeschäd. (Krais, F.) Stuttg., 1916, 79–99, illust.—**Butler, M.** Rehabilitation from the standpoint of the carrier. N. York State J. M., 1941, **41:** 1055–7.—**Curutchet, J. L.** La rehabilitación de inválidos y lesionados en Gran Bretaña. Prensa méd. argent., 1947, **34:** 851–5.—**Droin, D.** Réintégration des invalides de guerre dans la vie normale. Rev. internat. Croix Rouge, 1949, **31:** 275; 343.—**Dunlop, E. A.** Canada rehabilitates its disabled veterans. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 124–6.—**Durieux.** La rééducation des blessés et des malades de guerre aux Etats-Unis. Bull. Soc. méd. mil. fr., 1945, **39:** 179–86.—**Galsworthy, J.** The spirit and the letter. Rev. interall. mutil. guerre, 1919, **2:** 107–12.—**George, I. L., & Allen, C. E.,** jr. Rehabilitation at Baton Rouge refinery. Indust. M., 1941, **10:** 83–7.—**Gourdon, J., Dijonneau & Thibaudeau, J.** Le rendement professionnel des malades de guerre. Bull. Acad. méd., Par., 1923, 3. sér., **89:** 177–81.—**Hall, G. I.** After the war is over. Hygeia, Chic., 1940, **18:** 303–7.—**Hardy, J.** The Army's medical program for the disabled. Crippled Child, 1944–45, **22:** 66, &c.—**Heinonen, J.** Réadaptation des invalides de guerre. Bull. internat. Serv. santé, Liége, 1947, **20:** 125–30.—**Honhon.** La rééducation après la guerre des hommes qui n'ont pu profiter de la rééducation professionnelle pendant les hostilités. Rapp. Conf. interall. étude rééduc. profess., 1917, 303–7.—**Huddleston, O. L.** The use of the convalescent ward in the rehabilitation and disposition of disabled soldiers. Arch. Phys. Ther., 1944, **25:** 82–7.—**Irons, E. E.** Medicine not in pill boxes. Carry On, Wash., 1919, **1:** 19–21.—**Jenkins, I. D.** Finding the right job for the disabled veteran. In: Putting the Disabled Veteran Back to Work (C. D. Selby, et al.) Pittsb., 1943, 13–17.—**Jocz, M. W., & Prendergast, J. J.** Reconditioning problems for disabled veterans. J. Michigan M. Soc., 1944, **43:** 577–81.—**Krieger, H. L.** Putting the disabled veteran back to work. In: Putting the Disabled Veteran Back to Work (C. D. Selby, et al.) Pittsb., 1943, 10–2.—**Krusen, F. H.** Rehabilitation of the chronically disabled with special reference to the use of physical measures. Mil. Surgeon, 1939, **84:** 339–46. Also in Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 454–63.—**Kuechle, B. E.** The place of the compensation insurance carrier in the field of rehabilitation and reemployment of disabled servicemen. J. Am. M. Ass., 1944, **125:** 291.—**Lueth, H. C.** A reconditioning program for disabled soldiers. Illinois M. J., 1944, **86:** 93–6.—**MacArthur, I.** Rehabilitation of the disabled for post-war South Africa. S. Afr. M. J., 1945, **19:** 151–3.—**McDougall, J. B.** Problems involved in the rehabilitation of the disabled in England. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 607–13.—**McMahon, J. F.** Putting the disabled veteran back to work. Crippled Child, 1944–45, **22:** 2, &c.—**Marlow, F. W.** Relation of the medical service of Canada to the problem of invalided soldiers. Canad. J. M. & S., 1917, **41:** 161–70.—**Menninger, W. C.** Readjustment of the handicapped veteran. Ohio M. J., 1947, **43:** 504–10.—**Miller, J.** The vocational training of our disabled soldiers in Alberta. Canad. Nurse, 1918, **14:** 859–64.—**Rankin, J. E.** Rehabilitation of disabled veterans. Congressional Record, 1943, **89:** A1528 (clipping)—**Rehabilitation.** Brit. M. J., 1940, **2:** 493.—**Rehabilitation** of disabled soldiers and sailors. Hearing News, Wash., 1943, **11:** No. 9, 17.—**Rehabilitation** of ex-service personnel with a disability not accepted as being related to war service. Med. J. Australia, 1947, **1:** 509–11.—**Rehabilitation** of veterans disabled in the present war. Congressional Record, 1943, **89:** 2032–4 (clipping)—**Tomlinson, G.** Report of Inter-Departmental Committee on the rehabilitation and resettlement of disabled persons. Bull. War M., Lond., 1942–43, **3:** 485–8 (Abstr.)—**Vocational** rehabilitation of disabled veterans of World War II. Month. Labor Rev., 1944, **58:** 109–11.—**Webster, F. A. M.** Getting staiborne for a start. Occup. Ther. Rehabil., 1945, **24:** 256–8.—**Woods, R. S.** Rehabilitation in the British Emergency Medical Service. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 416–23.—**Zhichin, A.** Medical aid and rehabilitation for war invalids in Russia. Hospital, Lond., 1946, **42:** 293.

—— Rehabilitation: Methods.

Faries, J. C. Training in English technical schools for disabled soldiers. 12p. 28cm. N. Y., 1918.
Forms No. 8, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

Bailey, D. Training for strengthening the selective placement program. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 127–32.—**Dembo & Hilgard.** Social psychological rehabilitation of the physically handicapped. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 49–52; 1947, July, 98; 1948, Jan., 177.—**Frosch, L.** Sollen unsere Kriegsverletzten auch heute noch zandern und pendeln? Med. Welt, 1941, **15:** 445.—**Gorinevskaia, V.** Kompleksnoe lechenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1390–5.—**Holmblad, E. C.** Industrial rehabilitation of permanently injured workers. Pub. Health Nurs., 1943, **35:** 204–7.—**Johnstone, R. T.** Industrial participation in the rehabilitation of the war wounded. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 541–7.—**More** than modern medicine needed to rehabilitate badly wounded service men. Diplomate, 1943, **15:** 293.—**Patti, M.** Su un trattamento sussidiario dei postumi di ferite di guerra. Ann. med. nav., Roma, 1946, **51:** 167–74.—**Shortley, M. J.** War and post-war rehabilitation of handicapped persons. Physiother. Rev., 1944, **24:** 61–3.

—— School and training.

Breuil, J. The Vocational School for Disabled Soldiers at Rouen, France. 11p. 28cm. N. Y., 1918.
Forms No. 11, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

Dembowski, J. Obecny stan szkolenia inwalidów wojennych w Polsce. Lek. wojsk., 1921, **2:** 494–8.—**Scuola** (Una) per feriti di guerra in Germania. Minerva med., Tor., 1940, **31:** pt 2, varia, 86.

DISCHARGE.

See also **Demobilization; Disability,** Classification and disposition; **Hospitalization,** Admission and discharge; **Neurotic,** Discharge; **Prisoner of war,** Discharge; **Rejection.**

Hersey, J. Joe is home now [13]p. 21cm. [N. Y.] 1944.
Also in Life, 1944, July 3.

United States. Congress. House of Representatives. 55. Congr. 2. sess. H. R. 10864. June 30, 1898. A bill for the relief of soldiers and sailors. 1 l. 8°. Wash., 1898.

United States. Congress. Senate. 56. Congr. 2. sess. S. 5035. Dec. 5, 1900. A bill to provide for medical care and surgical treatment of honorably discharged soldiers, sailors and marines. 3p. 8°. Wash., 1900.

United States. Congress. Senate. 56. Congr. 2. sess. S. 5931. Feb. 8, 1901. A bill to provide for medical care and surgical treatment of honorably discharged soldiers, sailors and marines. 8°. Wash., 1901.

United States. Congress. House of Representatives. 57. Congr. 1. sess. H. R. 203. Dec. 2, 1901. A bill to provide for medical care and surgical treatment of honorably discharged soldiers, sailors and marines. 3p. 8°. Wash., 1901.

Army regulations relative to discharge of enlisted men from active service. Ment. Hyg., Alb., 1944, **28:** 502–5.—**Bender, W. R. G.** Rehabilitation and the returning veteran; the man as he leaves the service. Ibid., 1945, **29:** 1–7.—**Disability** discharges. Bull. U. S. Army M. Dep., 1944, No. 83, 52–5.—**Discharges** from the Army on medical grounds, 1943–1945. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 1–10.—**Discharges** of A. T. S. under Para. 11 (pregnancy certification) Ibid., 15–8.—**Flicker, D. J., & Coleman, O. H.** Medical discharges from military service; a report of 600 cases. N. England J. M., 1942, **226:** 945–8. ——— Military discharge for inadequacy; report of 182 cases. Ibid., 1943, **228:** 48–52.—**Kadrovach, D. G.** Supplement to paper Compilation of Army Regulations and other directives pertaining to the Department of Army policy in the elimination of inapt and unadjustable enlisted personnel. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** 2.—**Manceaux & Sutter.** Trois fanfarons de la réforme. Algérie méd., 1941, 4. sér., **45:** 152–5.—**Morris, S. J., Shields, W. S., & Balderston, S. V.** Physical examination on discharge from service. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6:** 474–513.—**Policy** on discharge of Medical Department personnel. Bull. U. S. Army M. Dep., 1945, **4:** 19.—**Rekkoku** guntai ni okeru zyoeki-sya [Statistics on soldiers mustered out of the armies of the European powers (for health reasons)] In: Teikoku rikugen eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 345–75, 15 ch.—**Rikugun** ni okeru zyoeki [Statistics on mustering out of

the Japanese army (for health reasons)] Ibid., 301–45, 16 ch.—**Sanders, L.** Administrative procedures in the handling of the discharge of disabled service men. J. Internat. Coll. Surgeons, 1944, **7**: 263–74.

DISCIPLINARY barracks.

See also **Detention; Prison;** also such terms as **Criminal; Delinquent; Discipline,** etc.

Cavanagh, J. R., & Gerstein, S. Group psychotherapy in a naval disciplinary barracks; preliminary report. U. S. Nav. M. Bull., 1949, **49**: 645–54.—**Gardner, G. E.** The role of the psychiatrist in the naval disciplinary barracks. Ibid., 1946, **46**: 1368–76.—**Manson, M. P., & Grayson, H. M.** The psychological clinic at the MTOUSA Disciplinary Training Center. Am. Psychologist, 1946, **1**: 91–4.—**Pennington, L. A.** The psychologist's duties in the Naval disciplinary barracks. J. Consult. Psychol., 1945, **9**: 186–90.

DISCIPLINE.

See also **Leadership; Morale.** For misconduct see **Criminal; Delinquent; Disciplinary barracks.**

Courville, C. B. Military discipline and courtesies. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 34–8.—**Kinney, J. L., Bengtson, B. N., & Pennington, L. A.** Neuropsychiatric and psychologic aspects of discipline. Arch. Neur. Psychiat., Chic., 1944, **52**: 546–9.—**Madigan, P. S.** Military neuro psychiatry, discipline and morale. J. Crim., Chic., 1941–42, **32**: 491–7. ——— & **Farrell, M. J.** Military discipline; a problem in readjustment. J. Laborat. Clin. M., 1942–43, **28**: 485–8.—**They** who get slapped ["Patton incident"] Psychiat. Q., 1944, **18**: 153–6.

DISEASE.

See also such terms as **Aviator, Disease; Disability; Epidemic; Epizootic; Morbidity; Prisoner of war,** Disease; **Recruit,** Health and disease; **Sick; Tropical disease; Wounded;** also such terms as **Dispensary; Hospital; Sick call; Sick leave;** also names of diseases as **Alcoholism; Dysentery,** etc.; For diseases in a particular campaign see **Wars and campaigns; World War I; World War II.** For treatment see also **Surgical technic.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 193/8: Wehrmacht-Sanitäts-Vorschrift. Teil 8 [Aerztliche Berichtanweisung] Beiheft: Krankheiten-Verzeichnis. 50p. 21cm. Berl., 1936.

Groschke, H. F. H. Aeussere Erkrankungen. 99p. 24cm. Berl., 1890.

Forms No. 3, Veröff. Krankengesch. Garnisonlazar.

Adams, J. C. Disease in naval warfare. Mil. Surgeon, 1941, **88**: 158–63.—**Drigalski, W. von.** Bedrohung durch Krankheit und Bedeutung der Krankheit als Kriegserscheinung. In his Aufstieg d. San. Korps, Oldenb., 1939, 35–41.—**Kaminsky, L.** Nomenklatura boleznei. In: Encikl. slovar voen. med. Moskva, 1946–48, **3**: 1359–66.—**Kilduffe, R. A.** Disease and destiny. Mil. Surgeon, 1941, **89**: 851–66.—**Mercier, R. G.** Bajo el signo del sufrimiento. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 122–33.—**Rónai, T.** Foglalkozási betegségek a csapatszolgálatban. Honvédorvos, 1950, **2**: 407–9.—**Rose-Innes, R. H.** Reports of four interesting cases treated at 110 Military Hospital over the last 18 months. S. Afr. M. J., 1947, **21**: 219–24.—**Stefanovski, G. A.** Boleznennost sredi soldat i eia prichiny. Voen. med. J., St. Peterb., 1893, 178: unoffic. pt, 3. sect., 77–91.—**Sutermeister, H. M.** Erfahrungen aus der Lagermedizin. Praxis, Bern, 1948, **37**: 44–51.—**Symonds, C. P.** Some diseases which have become common among soldiers in this country. Guy's Hosp. Gaz., Lond., 1917, **21**: 84–7.—**Voiskovye** bolezni. In: Bolsh. med. encikl., 1928, **5**: 542.—**Wethmann, H.** Aeussere Krankheiten. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 220–5.

—— Forensic aspect.

Brusilovsky, L. J. Jatrogennye zabolevania v hospitalnoi obstanovke i borba s nimi. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 344–8.—**Costedoat, M.** L'imputabilité par preuve d'une maladie dans l'armée. Ann. méd. lég., 1947, 142–4.—**Diseases** (The) of active service. Lancet, Lond., 1916, **1**: 1048.—**Schnizer.** Apoplexie und Myxödem nicht Folge einer Dienstbeschädigung. Med. Klin., Berl., 1926, **22**: 141.—**Staehelin, R.** Krankheitsbeginn und Kausalität im Eidgenössischen Militärversicherungsgesetz. Helvet. med. acta, 1941, 8: 657–65.

—— internal.

See also **Internal medicine.**

Gutzeit, K., & Althoff, H. Zur Frage der WDB. bei konstitutionell bedingten inneren Krankheiten. Münch. med. Wschr., 1941, 88: 901–4.—**Merkelbach, O.** Internistische Erkrankungen und Militärmedizin. Schweiz. med. Wschr., 1940, **70**: 716–25.—**Michaelis, L.** Erfahrungen aus einem Heimatslazarett für innere Erkrankungen; die im Felde entstandenen inneren Erkrankungen. Deut. med. Wschr., 1916, **42**: 284.—**Mosse, M.** Nicht-infektiöse innere Krankheiten im Krieg und Frieden. Ibid., 63–6.—**Sittmann, G.** Andere innere Erkrankungen. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 104–19.

—— preventable.

See also **Preventive medicine.**

Alonso y García Sierra, E. Enfermedades evitables en el ejército. p. 625–90. 24½cm. Madr., 1935.

In: An. Acad. nac. med., Madr. (1933) 1935, **53**:

Disease control. In: Prev. Med. in World War II, Wash., 1948, **9**: Tab. A, 13–5.—**Environmental** disease. Ibid., **8**: 218–44.—**Sichel, G.** Preventable disease in the Navy. Med. Press & Circ., Lond., 1905, n. ser., **80**: 138.

—— surgical.

Keck, E. B. Surgical problems in the returning veteran. J. S. Carolina M. Ass., 1945, **41**: 222–4.—**Luria, R. A.** [Cases of simultaneous surgical disease and disease of the internal organs requiring surgical and therapeutic aid] Sovet. med., 1942, **6**: No. 7, 6–12.—**Monroe, A. R.** Surgical conditions in the ex-soldier. Med. Q., Ottawa, 1919, **1**: 210–2, pl.

—— by organs and regions.

See subsequent headings; also under names of organs and systems as **Digestive system,** Disease; **Ear; Eye; Respiratory system,** Disease.

—— by organs and regions: Abdomen.

See also **Surgical technic.**

Baroodes, E. W. Subphrenic abscess. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 3, 18–36.—**Bown, W. C.** Abdominal pain and its interpretation. Mil. Surgeon, 1945, **97**: 361–5.—**Campbell, J. F. M.** Anatomy of the abnormal in relation to radiology. J. R. Nav. M. Serv., 1942, **28**: 174–9.—**Denhoff, E.** The significance of eosinophilia in abdominal complaints of American soldiers. N. England J. M., 1947, **236**: 201–6.—**Dowse, J. C. A.** Three cases of abdominal pain. J. R. Army M. Corps, 1939, **72**: 164–73.—**Ettles, D. C. M.** The acute abdomen in military surgical practice; a clinical study of 430 consecutive cases of acute abdominal disease submitted to operation in the General Surgical Unit of the Cambridge and Louise Margaret Military Hospitals during the 20-month period, October 15, 1946 to August 14, 1948. Ibid., 1949, **92**: 121–9.—**García Morán, J.** Formas atípicas de abdomen agudo. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 445–9.—**Gillespie, B.** Study of 100 cases of abdominal pain in service women. U. S. Nav. M. Bull., 1946, **46**: 179–85.—**Gurevich, N.** Diafragma. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 474–8, pl.—**Jameson, E. M.** Diaphragmatic hernia; a case report. U. S. Nav. M. Bull., 1943, **41**: 183–7.—**Luria, R. A.** [Acute abdomen] Feldsher, Moskva, 1940, No. 12, 1–7.—**Maksimenkov, A., Makarenko, A.** [et al.] Zhivot. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 686–704.—**Postlethwait, R. W.** The diagnosis of acute abdominal pain in the military service. Mil. Surgeon, 1943, **93**: 66–72.—**Rock, J. W.** Investigation into the abdominal complaints of veterans of the world war. Ibid., 1937, **81**: 287–9.—**Shepler, J. R., & Young, C. L.** Parietal pain in lower right abdominal wall. Ibid., 1944, **95**: 216–9.—**Solans, L.** Dos casos de eventración diafragmática derecha acompañados de dextro-gastria. Med. & cir. guerra, 1948, **10**: 25–31.—**Stalker, L. K.** Acute conditions within the abdomen. Mil. Surgeon, 1940, **86**: 384–90.—**Waugh, J. M.** Management of acute abdominal emergencies. Ibid., 1939, **85**: 329–31.—**Willcutts, M. D.** Medical abdominal emergencies. Med. Clin. N. America, 1941, **25**: 1627–36.

—— by organs and regions: Brain.

See also **Injury; Neurosurgery,** Methods: Brain.

Gama, C. Tumores quísticos de la cisterna magna comprimiendo el 4º ventrículo. Rev. san. mil., Asunción, 1939–40, **13**: 1093–1109.—**Haynes, W. G.** Pneumocephalus; case report of a patient who was observed to have mental changes, with a description of the operative repair of the pneumocephalus. Mil. Surgeon, 1942, **91**: 568–71.—**Prior, A. P.** A case of cerebral cysticercosis. J. R. Army M. Corps, 1943, **80**: 278–80.—**Propper-Grashchenkov, N. I.** [Gaseous infection of the brain] Voen. san. delo, 1942, No. 6, 9–14.

—— by organs and regions: Cardiovascular system.

See also next heading; also **Heart; Hypertension; Injury; Medical examination,** Cardiovascular system; **Varicose vein.**

HEYN, J. M. P. *Das Auftreten der jugendlichen Endarteriitis obliterans speziell beim Soldaten [Berlin] 31p. 22½cm. Charlottenb., 1940.

Badylkes, S. O. Rol reakcii sosudistoi sistemy v patologii voennogo vremeni. Sovet. med., 1947, **11**: No. 4, 1–5.—**Beckmann, K.** Akute Kreislaufschädigungen. Med. Klin., Berl., 1940, **36**: 153.—**Brooks, W. D. W.** Aspects of circulatory failure. J. R. Nav. M. Serv., 1943, **29**: 1–12.—**Clagett, A. H.** Cardiovascular disease as seen in the Army. Hahneman. Month., 1945, **80**: 203–7.—**Compton, J. N.** Report of re-examination of 1,000 men rejected by the induction station of the armed forces because of cardiovascular disease. J. Arkansas M. Soc., 1944–45, **41**: 17.—**DeBakey, M.** Traumatic vasospasm. Bull. U. S. Army M. Dep., 1944, No. 73, 23–8.—**Dennig, H.** Akute Kreislaufschwäche unter Kriegsverhältnissen. Med. Klin., Berl., 1940, **36**: 289–91.—**Dietlen, H.** Die Beurteilung der Kriegsbrauchbarkeit von Herzkreislaufstörungen. Deut. Militärarzt, 1940, **5**: 403–5. Also Münch. med. Wschr., 1940, **87**: 57–61.—**Fenn, G. K., Kerr, W. J.** [et al.] Re-examination of 4,994 men rejected for general military service because of the diagnosis of cardiovascular defects; individual reports by the chairmen of special medical advisory boards in 5 cities in which the combined study was made. Am. Heart J., 1944, **27**: 435–501.—**Groedel, F. M.** Observations on the circulatory system of combatants during World War I. Exp. M. & S., 1943, **1**: 94–102.—**Harper, J.** Cardiovascular disease and military medicine. Med. Clin. N. America, 1941, **25**: 1615–25.—**Herrmann, G.** Military demands upon the cardiovascular system. J. Missouri M. Ass., 1942, **39**: 287–92.—**Holbrook, J. S.** Psychosomatic disorders manifested mainly by cardiovascular symptoms as seen in the military hospital. South. M. & S., 1944, **106**: 263–6.—**Hyman, A. S.** Cardiovascular disease in the tropics. U. S. Nav. M. Bull., 1944, **42**: 545–59.—**Levy, R. L., Stroud, W. D., & White, P. D.** Report of reexamination of 4,994 men disqualified for general military service because of the diagnosis of cardiovascular defects; a combined study made by special medical advisory boards in Boston, Chicago, New York, Philadelphia, and San Francisco. J. Am. M. Ass., 1943, **123**: 937; 1029.—**Maher, C. C.** The relation of the cardiovascular system to military medicine. Bull. South Chicago M. Soc., 1941–42, **12**: No. 6, 21.—**Master, A. M.** Treatment of cardiovascular emergencies. U. S. Nav. M. Bull., 1941, **39**: 190–212.—**Moir, R. A., & Smith, K. S.** Cardiovascular diseases in the British Army overseas. Brit. Heart J., 1946, **8**: 110–4.—**Pisani, P.** Osservazioni cliniche sul cuore nei soldati reduci dal fronte. Riv. osp., 1942, **32**: 157.—**Pomerantz, R. B.** Vascular spasm in battle injuries. South. Surgeon, 1949, **15**: 521–8.—**Porter, R. R.** Cardiovascular experiences in an Army general hospital. Am. Heart J., 1944, **27**: 559–64.—**Primak, F. J.** Znachennia hemato-parenkhimatoznogo bar'eru v klinici sercevo-sudinnikh zakhvoriuvań voennogo chasu. Med. J., Kiev, 1944, **13**: 169–74.—**Re-examination** of men rejected for cardiovascular defects. Bull. U. S. Army M. Dep., 1945, No. 86, 47–50.—**Rodríguez, F.** Trastornos cardiovasculares en relación con la guerra. An. Acad. cienc. méd. Habana, 1943–44, **82**: 260–6.—**Schwenke, A.** Kreislaufapparat. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 154–86.—**Shulcev, G.** Krovianoe davlenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 213–8.—**Simunich, W. A., & Bristow, L. J.,** jr. Abnormal vascular spasm; an additional etiologic and therapeutic concept; preliminary report. U. S. Nav. M. Bull., 1946, **46**: 1853–6.—**Skvorcov, M. A.** [Vascular diseases of wartime] Klin. med., Moskva, 1943, **21**: No. 9, 3–8.—**Traum, A. H., & Wilcox, B. B.** An analysis of 150 cases of cardiovascular disease in World War II veterans. Mil. Surgeon, 1944, **95**: 5–10. —— Cardiovascular disease among veterans of World War II; a survey of 19,870 cases. N. England J. M., 1946, **234**: 82–6.—**Umansky, M. A.** [Diseases of the cardiovascular system] Voen. med. J., 1945, June, 42.—**Wright, I. S.** Vascular disease in the Army. Proc. Inst. M. Chicago, 1944–45, **15**: 107. —— Cardiovascular highlights of the war. Bull. Chicago Heart Ass., 1945, **23**: 1–8.—**Wuhrmann, F.** Ueber Kreislauferkrankungen im Militärdienst. Praxis, Bern, 1942, **31**: 419–25.

—— by specific types.

See subsequent headings. See also under specific names of diseases as **Diabetes mellitus; Diarrhea; Dysentery,** etc.

—— by specific types: Allergy and anaphylaxis.

UNITED STATES. AIR FORCE. AAF Manual 25–3: Management of allergic diseases. 53 l. 27cm. Wash., 1945.

Allergy and the soldier. What's New, North Chic., 1943. No. 71, 9–11.—**Blank, P.** Military aspects of allergy. J. Laborat. Clin. M., 1942–43, **28**: 609–18. —— A survey of allergy in a station hospital. Mil. Surgeon, 1943, **92**: 419–23.—**Crandall, F. G.,** jr. Allergy in military medicine. Ibid., 1940, **87**: 337–52. Also War Med. Sympos., N. Y., 1942, 477–94.—**French, S. W., & Halpin, L. J.** Army allergy; report on allergy clinics in the Fourth Service Command. Ann. Allergy, 1943, **1**: 1–16. —— Army allergy; Fourth Service Command 1943. Ibid., 1944, **2**: 365–79. —— The military management of allergic diseases. J. Iowa M. Soc., 1944, **34**: 272–4.—**Galvagno, V. J.** La alergia en las fuerzas armadas. Rev. san. mil., B. Air., 1946, **45**: 1381; passim.—**Gold, E. M., & Bazemore, J. M.** The significance of allergy in military medicine; a report of the incidence of allergic diseases in a large station hospital, and a method of preinduction evaluation of the allergic state. J. Allergy, 1944, **15**: 279–82.—**Hampton, S. F., & Rand, H.** The problem of allergy at an Army Air Forces hospital; respiratory allergy (hay fever, vasomotor rhinitis, and bronchial asthma) Ibid., 355–68.—**Hurlbut, J. A.** A short review of military and civilian allergy. Jackson Clin. Bull., Madison, 1945, **7**: 191.—**Hyde, R. W.** Diagnosis of allergic states in selectees. N. England J. M., 1942, **227**: 241–6.—**Kern, R. A.** The allergic diseases in military medicine. Mil. Surgeon, 1950, **106**: 95–102.—**Kingsley, L. V.** Distribution of allergic states in selectees. J. Allergy, 1942–43, **14**: 386–92.—**Mitchell, H. S.** Allergy. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 6, 58.—**Rogozin, I.** [Syvorotochnaia bolezn' (morbus seri) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 403–5.—**Saleiro Pitão, J.** O problema da alergia nas forças armadas. Rev. med. mil., Rio, 1943, **32**: 336–43.—**Shahon, H. I.** The allergic problem of the inductee, the soldier and the veteran. Ann. Allergy, 1944, **2**: 413–23.—**Sulzberger, M. B.** Allergic skin diseases in the Navy. Ibid., 380–6.—**Todd, L. C.** Some military considerations of the allergic individual. South. M. & S., 1944, **106**: 287–90.—**Urgoiti, A., & Hermida, J.** Investigación radiológica y alérgica en reclutas. Actas Congr. nac. san., Madr. (1934) 1935, 1. congr., **4**: 379–81. Also Arch. med., Madr., 1934, **37**: 1141.—**Vaughan, W. T.** Problems of allergy in war time. Mil. Surgeon, 1941, **89**: 737–46.

—— by specific types: Ancylostomosis.

See **Helminthosis.**

—— by specific types: Anemia.

See also **Hematology.**

KAUFMANN, J., & MALONEY, G. C. A haematologic survey of C. W. A. C. personnel. 1p. 28cm. [Ottawa? 1944?]

Forms No. C-6070, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Istamanova, T. Anemia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 203–9.

—— by specific types: Appendicitis.

Bliss, R. W., & Heaton, L. D. Appendicitis in army service: a report of twenty-one hundred cases. Ann. Surg., 1938, **107**: 242–7.—**Cussen, J.** Appendicitis in the air. J. R. Nav. M. Serv., 1936, **22**: 212–14.—**Finny, C. M.** The diagnosis of acute appendicitis in the Army. J. R. Army M. Corps, 1936, **67**: 361–71.—**Fletcher-Barrett, K.** Pain in the right iliac fossa. Ibid., 1937, **69**: 37–9.—**Johnson, L. W., & Boone, H. R.** The Navy and appendicitis. U. S. Nav. M. Bull., 1937, **35**: 41–52.—**Rumpel.** Dienstbeschädigung bei Blinddarmentzündung. Veröff. Heer. San., 1939, No. 108, 153–8.—**Sneierson, H.** Appendicitis in combat zone as seen in a field hospital. Am. J. Surg., 1946, **71**: 713–5.—**Stokes, R. J.** Appendicitis in naval personnel; observations on 109 cases. U. S. Nav. M. Bull., 1945, **44**: 786–9.

—— by specific types: Arthritis.

See also **Rheumatism.**

Boland, E. W. Arthritis and allied conditions in an Army general hospital. California West. M., 1944, **60**: 7–9.—**Graham, W.** Arthritis. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 6, 70–2.—**Wallace, J. J.** The arthritic problem at Lawson General Hospital. J. M. Ass. Georgia, 1943, **32**: 43–6.

—— by specific types: Asthma.

Alford, R. I. The disposition of soldiers with bronchial asthma. J. Allergy, 1944, **15**: 196–202.—**Deissler, K. J.** The protection of the asthmatic patient against lung irritants; with special reference to chemical agents used in warfare. Ann. Allergy, 1944, **2**: 225–9.—**Jacquelin, A., Turiaf, J., & Cornet, A.** Les asthmatiques aux armées. Bull. méd., Par., 1940, **54**: 89–92.—**Leopold, H. C.** Study of asthmatics returned from overseas. J. Allergy, 1945, **16**: 30–43.—**Ruiz Moreno, G.** Asma y servicio militar en el Ejército y la Armada. Rev. As. méd. argent., 1944, **58**: 711–3. Also Rev. san. mil., B. Air., 1944, **43**: 1277–83.—**Zanfagna, P. E.** Perennial bronchial asthma; analysis of 100 cases. Bull. U. S. Army M. Dep., 1945, No. 87, 100–3.—**Zimmer, A.** Asthma und Wehrtauglichkeit. Wien. klin. Wschr., 1940, **53**: 955–7.—**Zoss, A., Neidlinger, W. J., & Read, H. S.** Survey of bronchial asthma in soldiers; bronchoscopic findings and incidence of respiratory infection. J. Allergy, 1946, **17**: 87–96.

—— by specific types: Backache.

Ellis, J. S., Young, R. [et al.] Backache and sciatica in the army. J. R. Army M. Corps, 1948, **91**: 137–51.—**Fleming, E. G.** Vertebral and sacro-iliac strain in the soldier. Ibid., 1944, **82**: 30–2.—**Greene, R.** Clinical observations on low back pain as a cause of incapacity among soldiers. Ibid., 1943, **80**: 165.—**Hinricsson, H.** Ryggaffektioner i militärtjänst. Tskr. mil. hälsov., 1946, **71**: 140–50.—**Hurst, A. F.** The bent back of soldiers. In his Med. Dis. War, 3. ed., Lond., 1943, 47–55.—**Luck, J. V.** Low back pain. J. Indiana M. Ass., 1944, **37**: 452–9.—**McCollum, J. K.** Clinical observations on low-back pain as a cause of incapacity among soldiers. J. R. Army M. Corps, 1942, **79**: 287–94.—**Moore, M., jr.** The military importance of low back disability. Mil. Surgeon, 1946, **98**: 235.—**Stark, L. J.** Low back pain in the Army specialized training program. Proc. Am. Student Health Ass., 1944, **23**: 50–2.—**Stuckey, D.** Backache in soldiers. Med. J. Australia, 1946, **1**: 838–42.—**Thompson, V. P.** The role of faulty body mechanics in the military lame back. In: Lect. Reconstr. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1944, 438–53.—**Young, R., & Brailsford, J. F.** Discussion on painful back in soldiers and in industrial workers. Proc. R. Soc. M., Lond., 1942–43, **36**: 211–8.

—— by specific types: Beriberi.

See also **Vitamin deficiency.**

Auberty, E. *Contribution à l'étude clinique et épidémiologique du béribéri autochtone en milieu militaire. 48p. 24cm. Toulouse, 1936.

Amano, T. Kakke kiō-syō wo yū-suru heisotu no tōkei-teki kansatu; hu, ketuatu no henka oyobi ko-dōmyaku on ni tuite [Statistical observations on soldiers with a history of beri-beri] Gun idan zassi, 1928, No. 178, 453–77.—**Blackham, R. J.** Rare diseases of returning service men; beri-beri. Nurs. Mirror, Lond., 1945–46, **82**: 241.—**Hukui, N., & Kamibayasi, Y.** Teikoku kaigun ni okeru kakke mondai [...in the Imperial Navy] Gun idan zassi, 1938, No. 303, 839–57.—**Schretzenmayr, A.** Beri-Beri-Probleme und das Chinesische Heer. Deut. Militärarzt, 1938, **3**: 416–9.—**Yamada, K.** Kukō hukin ni okeru iwayuru eiyō-sittyōsyō (sen-sen beihan husyu) ni tuite [...in the vicinity of Chiu-chiang] Gun idan zassi, 1940, No. 321, 183–96.

—— by specific types: Cachexia.

See also **Malnutrition.**

Wilmer, J. G., Cornell, V. H. [et al.] Two cases of cachexia. Bull. U. S. Army M. Dep., 1947, **7**: 206–15.

—— by specific types: Cancer.

See also under names of organs and systems.

Burton, C. C. Diagnosis and treatment of malignant diseases in veterans hospitals. Med. Bull. Veterans Admin., 1944–45, **21**: 211–5.—**Cotting, W. F.** Malignancy in the war veterans. Boston M. & S. J., 1922, **187**: 381–92.—**Drummond, W. A. D.** A note on malignant disease, its disposal and treatment in the Army. J. R. Army M. Corps, 1948, **91**: 239–41.—**Forgue, E.** Quelques réflexions sur le cancer et la guerre. Gaz. hôp., 1939, **112**: 1453–6.

—— by specific types: Coma.

Sprinz, H., & Friedman, E. D. A case of coma. Bull. U. S. Army M. Dep., 1947, **7**: 216–20.

—— by specific types: Coronary sclerosis.

French, A. J., & Dock, W. Fatal coronary arteriosclerosis in young soldiers. J. Am. M. Ass., 1944, **124**: 1233–7.—**Meessen.** Early coronary sclerosis. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 262; Disc., 265–8.—**Mueller, E.** Fatal early coronary sclerosis. Ibid., 260–2; Disc., 265–8.—**Tullis, J. L.** Coronary thrombosis in youth. U. S. Nav. M. Bull., 1945, **45**: 534–8.—**Uehlinger, E., & Wuhrmann, F.** Die Todesfälle an Koronarsklerose in der schweizerischen Armee während des Aktivdienstes 1939/45. Vjschr. schweiz. Sanitätsoff., 1947, **24**: Spec. No. 26–36.—**Wuhrmann, F.** Coronarsklerose und Militärdienst. Zschr. Unfallmed., 1945, **38**: 123–5.

—— by specific types: Deficiency disease.

See also **Malnutrition; Vitamin deficiency.**

Deficiency diseases. Res. Program U. S. Army Med. Res. Bd, 1946, July, 116–21.—**Musselman, M. M.** Nutritional diseases in Cabanatuan. War Med., 1945, **8**: 325–32.—**Nutritional** deficiency diseases in the Armed Forces. Bull. Army M. Dep., Lond., 1945, Suppl. No. 23, 1–8.

—— by specific types: Diabetes insipidus.

Jones, W. A., & Matte, M. L. Diabetes insipidus suppressed after encephalography. Med. Bull. Veterans Admin., 1939–40, 16: 378.—**Pasqualini, R. Q.** Fisiologia patologica de la diabetes insipida. Rev. san. mil., B. Air., 1939, **38**: 389–401.

—— by specific types: Nephritis.

See **Nephritis.**

—— by specific types: Night blindness.

See as main heading.

—— by specific types: Paralysis.

See as main heading.

—— by specific types: Peptic ulcer.

See as main heading.

—— in wartime.

Ficacci, L., Marini, B., & Pietrogrande, V. Patologia del tempo di guerra. 103p. 24cm. Roma, 1945.

Gordon, J. E. Strategic and tactical influence of disease in modern war. 14 l. 32cm. [West Point?] 1948.

Forms Lect. 3. & 4, Dep. Mil. Hyg. U. S. Mil. Acad.

Hill, J. Silent enemies; the story of the diseases of war and their control. 266p. 21cm. N. Y., 1942.

Hurst, A. Medical diseases of war. 2. ed. 427p. 22cm. Lond., 1941. Also 3. ed. 495p. 22½cm. Lond., 1943.

Day, A. A. Infection and war. Q. Bull. Northwest. Univ. M. School, 1946, **20**: 169–74.—**Howard, E. M.** War and disease. Kentucky M. J., 1942, **40**: 395–8.—**Kilgour, J. M.** Some diseases of war and their effects on civil practice. Manitoba M. Rev., 1947, **27**: 65–9.—**Major, R. H.** War and disease. Illinois M. J., 1946, **90**: 162–70.—**Mercer, N.** Disease in military campaigns. Mil. Surgeon, 1936, **78**: 130–4.—**Pathological** studies of war diseases. Med. Targets, 1945, No. M–AB, 117.—**Van Cleave, H. J.** Some influences of global war upon problems of disease. J. Am. Diet. Ass., 1945, **21**: 513–5.—**War** disease problems; deaths from wounds likely to be many fewer than the deaths from war diseases, bacteriologist points out; malaria an important problem. Bull. Chicago M. Soc., 1943–44, **46**: 19.—**Zimmer, A.** Krieg und Krankheit. In his: Wehrmedizin, Wien, 1944, **3**: 3–9.

DISHWASHING.

See under **Kitchen.**

DISINFECTANT.

See also **D D T; Detergent; Disinfection.**

Frappier, A., & Marois, P. In vivo studies of the antiseptic value of perm-aseptic and other bactericidal compounds. 1. 28cm. Ottawa, 1944.

Forms No. C–6074, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Taylor, W. W. Evaluation of (Kore) disinfectant and germicide. 9 l. 27½cm. Camp Lejeune, 1949.

Forms No. 18, Rep. Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

—— Evaluation of disinfectants for cold sterilization purposes. 37 l. 27½cm. Camp Lejeune, 1949.

Forms Res. Proj. NM 012 011, U. S. Nav. M. Field Res. Laborat.

Economy in the use of bactericides. Bull. War M., Lond., 1941–42, **2**: 441.—**Formalin** and permanganates. Med. J. Australia, 1942, **1**: 451.—**Higashi, S., & Iioka, O.** [Study on the value of Ogusol as a disinfectant] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 473–7.—**Mikhelson, G., & Sokolov, D.** Dezinficiruiushchie sredstva. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 408–14.—**Sangiorgi, G.** Disinfettanti e disinfestanti nell'attuale economia di guerra. Riv. ital. ig., 1942, **2**: 369–78.—**Steiniger, F.** Ueber den Kriegseinsatz von Rohschwefel in der Wanzenbekämpfung. Prakt. Desinfekt., 1942, **34**: 120.

DISINFECTION.

See also **Disinfectant; Sanitation; Surgical technic.**

Barleben, H., & Neumann, E. Ueber eine Schnelldesinfektion im Kriege. Münch. med. Wschr., 1942, **89**: 995.—**Boer, P.** [Disinfection of waste material in war] Geneesk. gids, 1929, **7**: 749–54.—**Colebrook, L.** The disinfection of skin. Bull. War M., Lond., 1941–42, **2**: 73–9.—**Gromov, A. S.** K voprosu

dezinfekcii ruk i posudy v pokhodno-polevoi obstanovke [Disinfecting hands and utensils in camp and field] Voen. med. J., Moskva, 1947, 47–9.—**Krüger-Martius, H.** Hautdesinfektion im Kriege. Med. Klin., Berl., 1941, **37:** 1082.—**Murata, Z.** Yasen-geka no syōdoku-hō ni tuite [Disinfecting methods in field surgery] (military) Zyuzenkai zassi, 1911, **16:** No. 70, 20.—**Schmidt, B.** Desinfektion, Sterilisation, Entwesung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 172–209.—**Suzuki, K.** Gunzin gekagaku-zyō ni ōyō-subeki sai-kantan kakuzitu-naru hōgōsi syōdoku no iti sin-pō. [... method of disinfecting the suturing thread that can be applied in surgery on the battlefield] Zyuzenkai zassi, 1911, **16:** No. 70, 17–20.—**Wilmaers.** Dégraissage et désinfection des vêtements en drap usagés. Mouvement hyg., Brux., 1911, **27:** 137–9.

DISINFECTION chamber.

See also **Disinfector.**

Friedenthal, H. Ueber Massendesinfektion im Felde mit Hilfe von Heissdampfiokomobilen. Münch. med. Wschr., 1915, **62:** 281.—**Gricai, A. K.** [Method of converting any disinsector into a universal disinfection chamber] Voen. san. delo, 1943, No. 10, 55.—**Sokolov, D.** Dezinfekcionnye kamery v voennomorskom flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 388–92. ——— & **Mikhelson, G.** Dezinfekcionnaia kamera. Ibid., Moskva, 378–92, pl.—**Tomaselli, A.** Considerazioni sul funzionamento delle sezioni di disinfezione e della stazione mobile di bonifica durante la campagna etiopica. Gior. med. mil., 1939, **87:** 845–52.

DISINFECTION service.

Banno-prachechno-dezinfekcionnyi poezd (BPDP) In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 390–2.—**Benjaminson, E.** Dezinfekcionnaia stanciia. Ibid., **2:** 392–6.—[**Bringing** disinfection service into war preparedness] Hig. san., Moskva, 1940, **5:** No. 7, 1–4.—**Burgasov, P.** Sanitarnyi propusknik. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1434–6.—**Dezinfekcionno-**instruktorskii otriad fronta. Ibid., **2:** 396.—**Ginzburg, M.** Dezinfekcionnyi otriad. Ibid., 397.—**Instrukcia** po rabote dezinfekcionnykh uchrezhdenii v voennoe vremia. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 50–3.—**Sokolov, D.** Banno-prachechnoe i dezinfekcionnoe obsluzhivanie. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 375–89, illust.

DISINFECTOR.

See also **Disinfection chamber; Disinfestor; Sterilizer.**

Evans, F. Description of a simple improvised disinfector; unit type. J. R. Army M. Corps, 1942, **78:** 25–8.—**Gadd, A. G., & Turner, A. W.** Shortcomings of commercial steam disinfection apparatus. Ibid., 1–13.—**Knight, S.** Simple means for testing the efficiency of improvised disinfectors and disinfestors. Ibid., **79:** 45.—**Model** (1943) mobile disinfector. Bull. U. S. Army M. Dep., 1944, No. 75, 17.—**Portable** disinfector. Ibid., 1945, No. 88, 36.—**Subbotin, A., & Sokolov, D.** Dezinfekcionnaia apparatura. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 373–8.—**Wybourn, J. T.** Drum portable disinfector. J. R. Army M. Corps, 1941, **77:** 261–4.

DISINFESTATION.

See also **Disinsectation.**

United States. War Department. Technical bulletin TB MED 184: Disinfestation procedures. 6p. 26cm. Wash., 1945.

Robinson, J. A., & Redstone, F. J. Large scale disinfestation. Med. Off., Lond., 1942, **67:** 126.—**Thornton, J. W.** Disinfestation in war-time. J. R. San. Inst., 1943, **63:** 87–91.

DISINFESTOR.

See also **Disinfector.**

Bennett, R. A portable disinfestor. J. R. Army M. Corps, 1941, **76:** 171–3.—**Cruickshank.** Modification of portable disinfestor. Ibid., 1942, **78:** 39.—**Fiume, G.** Funzionamento della stufa Giannolli a calore secco; nota d'igiene pratica. Gior. med. mil., 1943, **91:** 381–6.—**Keatinge, L. R. H.** Modifications of Orr's hut. J. R. Army M. Corps, 1942, **78:** 248–51.—**Manifold, R. H. C.** A portable shower and disinfestor unit. Ibid., 1941, **77:** 310–3.—**Ollerenshaw, R. G. W.** A portable steam field disinfestor. Ibid., 245–53.—**Richmond, A. E.** A new portable hot air disinfesting and drying machine. Ibid., 1940, **74:** 121–37.

DISINSECTATION.

See also **Aircraft,** Sanitation; **D D T; Insecticide; Lousiness.**

Des Cilleuls & Bellon. Note au sujet des dépenses occasionnées par les opérations de désinsectisation dans l'armée. Bull. Soc. méd. mil. fr., 1937, **31:** 349.—**Gonzalo Piedrola & Villabaso, M. de.** Técnicas de la desinsectación en colectividades; nuestra aportación con las nuevas series insecticidas. Med. & cir. guerra, 1946, **8:** No. 16, 25–45.—**Maiofis, E. M., & Weissman, R. G.** [Disinsectization with ammonia] J. mikrob., Moskva, 1944, 50.—**Mikhelson, G. A.** [Simplest methods of prophylaxis and control of pediculosis among troops] Voen. san. delo, 1943, 47–52.—**Mikhelson, G., & Sokolov, D.** Dezinsekcionnye sredstva. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 348–61.—**Ortega Gordejuela, L.** Estación de desinsectación del grupo de sanidad militar del Cuerpo de Ejército de operaciones de Galicia. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 601–4.—**Sokolov, D.** Dezinsekcia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 361–72.

DISLOCATION.

See under **Injury.**

DISMISSAL.

See **Discharge.**

DISPENSARY.

See also **Airbase; Dental hygienist; Hospital service; Surgical unit.**

United States. War Department. Army Regulations No. 40–550, Medical Department: Dispensaries; general provisions. 4p. 8°. Wash., 1924.

Beach, G. C. Service in the general dispensaries of the Army. Mil. Surgeon, 1931, **68:** 766–8.—**Blindenbacher, K. F.** The field dental office. U. S. Nav. M. Bull., 1945, **44:** 633–5.—**Bunken, N.** Dispanserizaciia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 528–30.—**Carson, L. D.** The Naval station dispensary. U. S. Nav. M. Bull., 1948, **48:** 76–80.—**Colabella, N.** U. S. Naval Dispensary, Navy Department, Washington, D. C. Hosp. Corps Q., 1944, **17:** No. 4, 1–7.—**Cullyford, J. S., Ley, E. B., & Vintinner, F. J.** A mobile field dispensary for use in Army industrial plants and depots. Mil. Surgeon, 1943, **93:** 317–22.—**Dispensaries.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 11, 1–22.—**Effron, S. A., & Hesselschwerdt, R. E.** Mobile medical and dental dispensaries. Bull. U. S. Army M. Dep., 1945, **4:** 703–6.—**Fine** dispensary serves United States troops abroad (London) J. Am. M. Ass., 1944, **125:** 36.—**Gran, M., & Flerov, K.** Ambulatornyi bol'noi. In: Bolsh. med. encikl., 1928, **1:** 510.—**Kroll, L.** Surgical asepsis in a field dispensary. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **2:** 93–5.—**Lowman, E. W.** Adaptation of standard Quonset huts for dispensary use. U. S. Nav. M. Bull., 1944, **42:** 699–706.—**Monoszon, J. S.** [Medical dispensary cadre during wartime] Sovet. zdravookhr., 1943, No. 10, 16–26.—**Reid, H. S., & Ronka, E. K. F.** An aid to regimental dispensary recording. Mil. Surgeon, 1941, **88:** 300.—**Riabov, G.** Poliklinika. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 724.—**Simmons, F. H.** An improvised field dispensary. Air Surgeon Bull., 1944, **1:** No. 5, 21.—**Thompson, C. A.** Mobile dispensary for LCTs. U. S. Nav. M. Bull., 1945, **45:** 557–9.—**Waller** Field air base dispensary. In: Prev. Med. in World War II, Wash., 1948, **7:** 121–6.—**Widen, W. F., & Hopson, C. T.** 100-bed mobile dispensary. Hosp. Corps Q., 1945, **18:** 39–42.

DISPOSITION.

See under such terms as **Disability,** Classification and disposition; **Neurosis,** Disposition; **Psychotic,** Disposition; **Tuberculous,** Disposition.

DISTANCE discrimination.

See **Depth perception.**

DISTILLER.

See also **Decontamination**—of food and water.

Bratkovsky & Kantorovich. [Automatic electric distiller for obtaining distilled water of high quality] Voen. san. delo, 1942, No. 9, 58.—**Buravlev, I. F.** [Construction of a simple pot-still] Ibid., 1943, No. 5, 52.—**Moore, M. R.** Continuous still operation. Air Surgeon Bull., 1945, **2:** 84.—**Portnoy, B.** An improvised still. J. R. Army M. Corps, 1944, **83:** 200.

DISTRIBUTION.

See **Ration supply,** Distribution; **Supply.** For distribution of physicians in wartime see under **Physician.**

DITCHING.

See **Aircraft crashing.**

DITCHING suit.

Grant, R. Tests of R. C. A. F. ditching suits. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 33–7.

DIVE.

See **Dive bombing; Diver;** also **Acceleration,** Blackout.

DIVE bombing.

See also **Air warfare.**

Behnke, A. R., jr. Investigations concerned with problems of high altitude flying and deep diving; application of certain findings pertaining to physical fitness to the general military service. Mil. Surgeon, 1942, **90:** 9–29.—**Fortunato, A.** Physiopathology of dive bombers. J. Aviat. M., 1942, **13:** 92 (Abstr.)—**Herrmann, A.** Die Schleimhautablösung in den Nasennebenhöhlen bei Sturzflügen; ihre Ursachen und ihre Behandlung. Luftfahrtmedizin, 1940–41, **5:** 271–7.—**Physiologie der Sturzflieger.** Praxis, Bern, 1941, **30:** 889.—**Schubert.** Höhentaucherkrankheit und Stratosphärenflug. Münch. med. Wschr., 1941, **88:** 567 (Abstr.)

DIVER.

See also **Compressed air illness.**

Behnke, A. R., & Willmon, T. L. U. S. S. Squalus; medical aspects of the rescue and salvage operations and the use of oxygen in deep-sea diving. U. S. Nav. M. Bull., 1939, **37:** 629–40.—**Blanch, J. J.** Deep-sea diving course for officers. Ibid., 656–61.—**Drake, T. F.** Decompression sickness. Hosp. Corps Q., 1944, **17:** No. 6, 133–6.—**Gouze, F. J.** A method and study of surface decompression as a routine procedure. U. S. Nav. M. Bull., 1944, **42:** 578–80. ——— Air embolism in a diver; report of fatal case. Ibid., **43:** 538–42.—**Huston, J. W., & Alexander, W. J.** Diving at U. S. Naval Torpedo Station, Newport, R. I., with emphasis on cases of bends ocurring during 1944. Ibid., 1946, **46:** 348–52.—**Oliver, H. G.** Emergency treatment of the hends. Hosp. Corps Q., 1944, **17:** No. 3, 38.—**Romney, S. L.** Underwater confinement; report of three cases. U. S. Nav. M. Bull., 1946, **46:** 1259–64.—**Sala, R. O., & Shaw, C. C.** Diver's squeeze; report of 2 cases. Ibid., 1943, **41:** 493–7.—**Schubert, R.** Taucher und Tauchererkrankungen. Deut. Militärarzt, 1943, **8:** 463–71. ——— Taucherabsturz. Ibid., 1944, **9:** 222–5.—**Shilling, C. W.** The medical aspects of deep sea diving. War Med. Sympos., N. Y., 1942, 389–93.—**Springorum, P. W.** Speiseröhrenverätzung durch konzentrierte Lauge beim Gebrauch des Tauchretters. Deut. Militärarzt, 1943, **8:** 45–8.—**Welham, W. C., & Blanch, J. J.** An unusual case of decompression sickness. U. S. Nav. M. Bull., 1945, **44:** 607–9.—**Zetterström, A.** Deep-sea diving with synthetic gas mixtures. Mil. Surgeon, 1948, **103:** 104–6.

DIVISION.

See also **Administration,** medical; **Battlefield,** Medical tactics; **Dental officer,** divisional; also such terms as **Battalion surgeon; Combat; Medical care; Regiment,** etc.

Van-Baumberghen, A. Organización y funcionamiento de los servicios de sanidad regimental y divisionario sobre el campo de batalla en la guerra moderna. 3v. 24cm. Madr., 1924.

Boner, A. J. The Division neuropsychiatrist. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 10–9.—**Davenport, W. P.** The influence of tactics on evacuation and the organization of the division medical service. Mil. Surgeon, 1942, **90:** 272–81.—**Division** (The) neuropsychiatrist. Bull. U. S. Army M. Dep., 1944, No. 74, 29–34.—**Dowse, J. C.** Notes on the medical services of a division. J. R. Army M. Corps, 1941, **76:** 127–42.—**Glass, A. J.** Psychiatry at the division level. Bull. U. S. Army M. Dep., 1949, **9:** Suppl., 45–73.—**Henoch, M.** Uwagi do artykulu kpt. D-ra Bronislawa Docewskiego; współpraca dowódców oddziałów i lekarzy oddziałowych w polu. Lek. wojsk., 1927, **9:** 150–2.—**Jakovlev, G.** Divizionnyi vrach. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 479–82.—**Maslinkovsky, T. I.** Khirurgicheskaia pomoshch v divizii. Voen. san. delo, 1941, No. 5, 37–9. ——— Diviziia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 494–9.—**Miller, J. W.** Divisional psychiatry. J. R. Army M. Corps, 1945, **84:** 67.—**Page, C. M.** Surgical principles in divisional medical units. Brit. M. J., 1941, **2:** 168–70. Also War Med. Sympos., N. Y., 1942, 16–23.—**Schwarzkopf, E.** Die Divisions-Sanitätsanstalten im Felde. Militärarzt, 1915, **49:** 465–70.—**Takács, L.** Hadosztály-vezetőorvos működése hadműveleti területen. Honvédorvos, 1950, **2:** 532–8.—**Voitenko, M.** Divizionnyi medicinskii punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 482–94.—**Williams, A. H.** Psychiatry in a division. J. R. Army M. Corps, 1945, **84:** 68.

—— airborne.

See also **Parachute; Parachute jumping; Parachute surgical team.**

Bachulus, J. M. Medical parachutists. Hosp. Corps Q., 1943, **16:** 44–6.—**Carmo Russo, A.** A medicina c o paraquedas. Rev. med., S. Paulo, 1944, **28:** 63–5.—**Fallschirmarzt** (Der) Münch. med. Wschr., 1941, **88:** 32.—**García Romero, F.** 3 aspectos del paracaidismo militar. Rev. mil., La Paz, 1942, **6:** 701–6.—**Hinman, H. E.** Some aspects of the selection and maintenance of parachute troops. Contact, Pensacola, 1941–42, **1:** No. 2, 5–10.—**Husson, J.** Soins aux blessés et évacuations sanitaires dans les régiments de chasseurs parachutistes; étude faite dans un régiment français à trois bataillons, constitué sur le type et avec le matériel américain. Méd. aéronaut., 1946, **1:** 39–47.—**Longland, C. J., & Kessel, L.** Surgery in an airborne division. Brit. J. Surg., 1944–45, **32:** 275–81.—**Nordheim, v.** Als Fallschirm-Truppenarzt vor Dortrecht. Illust. Ztg, Lpz., 1941, Jan., 60–2.—**Parachute** medical force. Mil. Surgeon, 1941, **89:** 934.—**Smith, P.** Paradoctors. Med. Econom., 1942–43, **20:** No. 12, 37–43.—**Stimpfl, A.** Als Chirurg beim Einsatz der Fallschirmtruppe. Deut. Aerztebl., 1941, **71:** 433.—**Surgery** with the parachute troops. J. Am. M. Ass., 1945, **127:** 114.—**Thatcher, J. O. M.** Para troops and para physicians. U. S. Nav. M. Bull., 1942, **40:** 280, pl.—**Thomas, D. E.** Medical service with parachute regiments. Army M. Bull., 1942, No. 63, 99–101. ——— Selection of the parachutist. Mil. Surgeon, 1942, **91:** 81–3.—**Tikhonov, P.** Vozdushno-desantnye voiska. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 973.

—— airborne infantry.

McDonough, F. E. Airsickness during an airborne infantry maneuver. 9p. 28cm. Wash., 1942.

Forms No. 102, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

——— Airsickness in the airborne infantry. 5p. 28cm. Wash., 1942.

Forms No. 103, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— armored.

See **Armored force; Armored division.**

—— infantry.

See also subheading (airborne infantry)

United States. War Department. Surgeon General's Office. Medical Field Service School. The medical service of the infantry division. 57p. 22cm. Carlisle Barracks, 1934.

Anagnosti, V. D. [Principles of the medical organization and tactics in a division of infantry during an attack] Voj. san. glasnik, 1939, **10:** 237–63.—**Capitanovici.** Quelques remarques sur les principes et moyens d'évacuation dans une division au combat d'après l'expérience de la grande guerre. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 159–68. Also Bull. internat. Serv. santé, Liége, 1937, **10:** 347–51.—**Carter, H. P.** A guide for standing operating procedure for the medical battalion, infantry division. Mil. Surgeon, 1943, **92:** 597–601.—**Cezmi Türk.** [Divisional health service formations in modern armies] Askeri sihhiye mecmuasi, 1940, **69:** 22–7.—**Darby, T. E., & Zuver, P. E.** The medical service with the stream-lined division. Mil. Surgeon, 1940, **86:** 1–8.—**Discussion** of the medical service of the proposed infantry division. Army M. Bull., 1937, No. 39, 83–6.—**Fibich, R., & Zimprich, A. E.** Einige Bemerkungen zur chirurgischen Tätigkeit einer Infanterie-Divisions-Sanitäts-Anstalt. Münch. med. Wschr., 1915, **62:** 996.—**Gergovich, W.** [Modern conditions of war in relation to organization and health service tactics in the infantry division] Lek. wojsk., 1939, **33:** 469–83.—**Goertz, F.** [Modern warfare and organization of health service in infantry divisions] Ibid., 65–76.—**Gouyrand, J.** Organisation du Service de santé de la Division en campagne. Bol. Dir. serv. saúde mil., 1947, **10:** 16–25.—**Isakhanov, A. G.** Medicinskoe obespechenie divizii pri podvizhnoi oborone i nastuplenii v usloviiakh sovremennoi voiny. Voen. med. J., Moskva, 1947, No. 7, 35–7.—**Johnston, R.** The divisional field ambulance in mobile warfare. J. R. Army M. Corps, 1944, **82:** 168–76.—**Lobo, A.** Funcionamento do Serviço de Saúde divisionário em campanha. Rev. med. cir. Brasil, 1942, **50:** No. espec., 23–67.—**Lorente Sanz. Domínguez Mendoza** [et al.] Sobre la distribución de los servicios quirúrgicos en la División de voluntarios españoles, campaña 1941–42. Rev. españ. med. cir. guerra, 1942, Año 5, 516–24.—**McKinley, J. J.** The care of the wounded of the division in the field. Illinois M. J., 1930, **58:** 333.—**Manzanares Bonilla, A.** Servicios sanitarios de una división en frente estabilizado. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 553–6, tab.—**Martin, J. I.** A discussion of the medical service (war strength) of the proposed infantry division. Mil. Surgeon, 1937, **81:** 193–200.—**Maslinkovsky, T.** Medicinskaia sluzhba divizii. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 496–9.—**Moppert.** Schéma d'une évacuation de blessés d'une division fortement engagée pendant 24 heures. Praxis, Bern, 1941, **30:** 277–9.—**Oliveira y Silva, M.** El grupo de camilleros divisionario; su desaparición como consecuencia de la motorización del Ejército. Rev. san. mil., Asunción, 1944, No. 141, 137–52.—**Sobel, R.** Exhaustion in an infantry division. Med.

Bull. North Afr. Theater of Oper. U. S., 1944, **1**: No. 3, 26–8.—**Suratt, T. P.** Combat psychiatry in an infantry division. Psychiat. Q., 1948, **22**: 536–47.—**Tupin.** Le Service de santé divisionnaire des troupes françaises d'Extrême-Orient en 1946. Bull. Soc. méd. mil. fr., 1949, **43**: 75; passim.—**Zabski, K.** [Health service in an infantry division during warfare] Lek. wojsk., 1938, **32**: 571; 682.

—— logistical.

See **Supply.**

—— motorized.

See **Motorization.**

—— mountain.

See **Mountain warfare.**

DIVISIONAL hospitalization.

See under **Hospitalization.**

DOBRUDJA.

See under **World War I.**

DOCKYARD.

See **Shipyard.**

DOG.

See also such terms as **Ambulance,** animal-drawn; **Animal; Veterinary medicine,** etc.

Going, C. G. Dogs at war. 179p. 22cm. N. Y., 1946.

Richardson, E. H. British war dogs; their training and psychology. 288p. 8° Lond., 1920.

Barrett, C. D. The veterinarian and the Army sentry dog. North Am. Vet., 1944, **25**: 226–32.—**Care** of dogs. In: Prev. Med. in World War II, Wash., 1948, **6**: 82–4.—**Cochran, A. M.** Canine cartridge carrier. Vet. Bull., Carlisle, 1940, **34**: 363–70. ——— Utilização dos cães para o transporte de munições. Rev. mil. med. vet., Rio, 1941, **4**: 3161–8.—**Cure** for gunshyness in dogs is sought. Science News Lett., 1943, **43**: 342.—**Danby, D. C. E.** A war dog's training school. J. R. Army Vet. Corps, 1943–44, **15**: 42; 57. ——— German war dog No. 603. Ibid., 1944–45, **16**: 154.—**Dogs** for defense. J. Am. Vet. M. Ass., 1942, **100**: 490.—**Dogs** as mine pointers. Vet. Rec., Lond., 1944, **56**: 363.—**Golubev, V. G.** Ispolzovanie sobak dlia evakuacii ranenykh. Voen. san. delo, 1940, No. 5, 100–2. ——— O sanitarnykh sobakakh. Ibid., No. 10, 98.—**Handling,** feeding are care of war dogs. Mil. Rev., Fort Leavenw., 1942–43, **23**: No. 2, 60–3.—**Meginnis, P. J.** War dogs. North Am. Vet., 1944, **25**: 40–3.—**Papel** (O) do cão na guerra. Impr. med., Rio, 1941, **17**: No. 326, 124; 1942, **18**: No. 345, 142.—**Papillon, E. A.** De l'utilisation des chiens par le Service de santé militaire. C. rend. Ass. fr. avance. sc., 1907, **36**: 476–9.—**Parmenter, D.** Army's 4-footed soldiers. J. Am. Vet. M. Ass., 1944, **104**: 61.—**Purposes** (The) of dogs for defense, inc. Ibid., 1942, **101**: 29.—**Ryzhkov, S.** Sobaki sluzhebnye. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 184–8.—**Schmid, B.** Zur Psychologie unseres Hundes und seine Verwendung im Kriege. Umschau, 1940, **44**: 516–21.—**Sixty-five** GI dogs bolster moral. A–V, Phila., 1943, **51**: 78.—**Timofeevsky, P.** Otriad sobachikh nartovykh upriazhek. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 250.—**War** dog training. Vet. Med., Chic., 1944, **39**: 436–8.—**War** dogs; peace and war. J. R. Army Vet. Corps, 1949, **20**: 107–11.—**War** dogs trap Japs in Burma. Vet. Med., Chic., 1945, **40**: 18.—**Williams, N. C.** Dogs of war. A–V, Phila., 1942, **50**: 130.—**Young, G. D.** War Dogs Training School. J. R. Army Vet. Corps, 1946–47, **18**: 17–20.—**Young, W. A.** Dogs for defense. North Am. Vet., 1942, **23**: 638. ——— A visit to Fort Robinson. Ibid., 1944, **25**: 292–6.

—— Disease.

Mathieson, D. R., & Jachowski, L. A., jr. Tests on the effectiveness of urea stibamine (Brahmachari) in the treatment of dog filariasis. 10p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-360, U. S. Nav. M. Res. Inst.

Danby, D. C. E. Lameness due to a foreign body. J. R. Army Vet. Corps, 1944–45, **16**: 191.—**Randall, R.** Giant worms in kidney of dog. Bull. U. S. Army M. Dep., 1944, No. 72, 9.—**Schnelle, G. B., & Wilcox, W. A.** Ovariohysterectomy in the war dog. North Am. Vet., 1944, **25**: 419–21.

DOGSLED.

See **Ambulance,** animal-drawn.

DOMINICAN Republic.

See under **Hospital report.**

DORDOGNE.

See under **World War II.**

DOVER.

See under **World War II.**

DRAFT [incl. draftee]

See also **Medical examination; Recruit; Recruiting; Selective Service; Universal military training.** See also under such terms as **Dentist; Medical student; Physician,** etc.

Allen, F. L. Drafting this army; a progress report on Selective Service. Harper's Magazine, 1942, July, No. 1106, 121–30.—**K., J. A.** Selective draft act of 1940. J. Nat. M. Ass., 1940, **32**: 253.—**Lacey, H. O.** The doctor and the draft. Boston M. & S. J., 1917, **177**: 609.—**Molodcov, N.** Prizyv. In: Bolsh. med. encikl., 1933, **27**: 180–4.—**P., H. C.** Dentists in the draft. Am. J. Orthodont., 1942, **28**: 323.—**Procedure** for draftee dentists. N. York J. Dent., 1942, **12**: 93.—**Rakhmanov, A.** Prizyv. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 862–5.—**Rogers, J. F.** Drafts; now and then. Hygeia, Chic., 1941, **19**: 623–5.—**Tuckerman, J. E.** Some impressions gained in examining under the selective draft plan. Ohio M. J., 1917, **12**: 601.—**Wilson, A.** Effects of draft-exam order. Med. Econom., 1941–42, **19**: No. 2, 42.

DRAINAGE.

See also **Sewage.** For surgical drainage see under **Surgical technic.**

Dixon, H. B. L. A self-operating system of drainage by syphonage. J. R. Army M. Corps, 1941, **76**: 236–40.

DRESSING.

See also **Bandage; Burns,** Treatment: Local remedies; **Camouflage; Wound,** Treatment: Dressing.

Spangler, H. J. Comparative analysis and field testing of a captured German battle dressing and a U. S. small battle dressing, Carlisle model, camouflaged. 10p. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X–575, U. S. Nav. M. Field Res. Laborat.

Banaitis, S. Pereviazka. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 390–3.—**Berkutov, A. N.** Primenenie masliano-balzamicheskoi poviazki Prof. Vishenevskogo v voiskovom raione. Voen. san. delo, 1941, No. 6, 21–3.—**Bingham, R.** Use of nylon plastic screening cloth as a non-adherent dressing material. J. Mil. M. Pacific, 1945, **1**: No. 4, 54.—**Brodsky, J. A.** [Sawdust as substitute for absorbent cotton] Voen. med. J., Moskva, 1944, 85.—**Device** for making gauze dressings. Bull. U. S. Army M. Dep., 1944, No. 78, 33.—**Eichelter, G.** Quengelverbände bei Kriegsverletzungen. Zschr. Orthop., 1944, **75**: 23–33.—**Gallagher, J. L.** A new multi purpose war dressing. Mil. Surgeon, 1943, **92**: 609–17.—**Hammond, A. G.** Occlusive dressing; the Almaza patch. J. R. Army M. Corps, 1944, **83**: 94.—**Henschen, C.** Zur Frage einer Reform des individuellen Verbandpäckchens der schweizerischen Armee: Einführung gleitsicherer Verbande mit Cellophandeckung der Wunde. Schweiz. med. Wschr., 1940, **70**: 1023–8.—**Holmes, R., & Terry, R.** A method for preparing sterile petrolatum gauze in the field. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1**: 32.—**Kaplan, A.** [Standardization of the preparation and wrapping of sterile material for times of war] Voen. san. delo, 1937, No. 2, 21–5.—**Khodorkov, F. A.** [The application of the oil balsam dressing method in various hospitals] Bull. War M., Lond., 1943–44, **4**: 68 (Abstr.)—**Markovsky, V.** Marlia. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 651.—**Nusret Karabey** [Individual dressings and ideal antiseptic for the Army] Askei sihhiye mecmuasi, 1941, **70**: 87–95.—**Papish, G. N.** O pereviazochnom materiale. Voen. san. delo, 1940, No. 6, 96.—**Pravila** khraneniia i otpuska pereviazochnogo materiala. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 20.—**Pshenichnikov, V. I.** [Oil-balsam dressings in field surgery] Sovet. med., 1940, No. 7, 23.—**Rathle, H.** Economy of dressings. J. R. Army Corps, 1943, **81**: 190.—**Secchi, J.** Notas sobre una nueva forma de fijar apósitos por medio de un ajustador adhesivo. Rev. san. mil., B. Air., 1944, **43**: 1586–8.—**Simple** dressing for granulating wounds. Bull. U. S. Army M. Dep., 1945, No. 88, 46.—**Sterilised** dressing packets for field surgical units. Bull. Army M. Dep., Lond., 1944, No. 34, 2.—**Surgical** dressings, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 317–32.—**Surgical** dressings and sutures; Medical Department. Ibid., 541–62.—**Use** of wax paper as a surgical dressing. Bull.

U. S. Army M. Dep., 1944, No. 82, 34.—**Weatherford, R. A.** Preserved sterile goods. Hosp. Corps Q., 1945, **18**: No. 2, 47.—**Williams, A.** Relief for Old King Cotton. Mil. Surgeon, 1943, **92**: 548–52.—**Wolfe, J. J.** The use of wet dressings. Field M. Bull. U. S. Armv. N. Delhi, 1944, **3**: 23.

DRESSING carriage.

Allen, M. L. The dressing carriage. Hosp. Corps Q., 1945, **18**: No. 10, 62.—**Auxiliary** swinging tray for dressing carriage. Bull. U. S. Army M. Dep., 1947, **7**: 174.

DRESSINGS destructor.

Clay, H. H. A simple form of dressing destructor. J. R. Army M. Corps, 1943, **80**: 210–3.

DRESSING station.

See **Aid station.**

DRIFT correction test.

See **Aviator,** Fitness tests.

DRILL.

See also **Training;** also **Physician,** in this section.

United States. War Department. Adjutant General. Drill regulations and service manual for sanitary troops, United States Army. 287p. 18° Wash., 1917.

Gunzi kyōren to kō-i [Military drill and the school physician] Nippon gakko eisei, 1931, **19**: 669–71.—**Mounce, D. D.** School of the soldier without arms; squad and platoon drill. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 127–41.

DRINKING fountain.

Drinking fountain. Air Surgeon Bull., 1945, **2**: 85.—**Hitchens, A. P., & Ross, O. A.** Bubbling drinking fountains. Mil. Surgeon, 1943, **93**: 25–31.

DRINKING water.

See **Canteen** (of water) **Decontamination**—of food and water; **Water supply.**

DRIVER.

See under such terms as **Armored division; Occupational specialty; Tank; Truck; Vehicle.**

DROPFOOT brace.

See under **Brace.**

DROWNING.

Avdeev, M. Utoplenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 688.—**Bucher, R.** Kampf dem Ertrinkungstod! Militärsanität, Zür., 1949, **31**: 65.

DRUG.

See also subsequent headings; also such terms as **Matériel; Pharmaceutical service; Pharmacopoeia; Pharmacology; Surgical technic,** Anesthetization; **Therapeutics,** Chemotherapy; also under names of diseases.

Fussell, R. E. Testing of standard drugs and containers to various physical stresses. 16p. 26cm. Randolph Field, 1948.

Forms No. 1, Rep. Proj. No. 510, U. S. Air Force School Aviat. M.

San Francisco, Calif. Letterman General Hospital, United States Army. Enlisted Technician's School. Pharmacy; drug synonyms and common names. 18p. 26½cm. S. Franc., 1942.

Shoshkes, M., McKay, E. A., & Wills, J. H. The efficacy of corn oil and corn oil emulsion as vehicles for certain oil soluble drugs. 19p. 26cm. Army Med. Center, 1949.

Forms No. 199, Rep. Med. Div. Chem. Corps U. S. Army.

Silver, S. D. The relation of time to the dose required to produce a given physiological effect. 21p. 27cm. Edgewood Arsenal, 1945.

Forms No. 22, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

United States. Army. 5250th Technical Intelligence Company. Medical Analysis Section. Japanese drugs and medicines. 217pl. 20cm. n. p., 1945 [?]

Forms No. 1, Enemy Matériel Med.

—— Japanese medical equipment; Japanese drugs and medicines. Inventory report. Tokyo, No. 1, 1946–

Baryshnikov, K. Miksty. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1066–70.—**Classification** of medicines. Hosp. Corps Q., 1944, **17**: 48.—**Deleanu, N. T., & Dick, J.** Prepararea provitaminei A, carotina. Rev. san. mil., Bucur., 1936, **35**: 894–7.—**Dulcin, M.** Krovetvornye sredstva. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 132–5.—**Flück, H.** Beiträge zur Gehaltsbestimmung der Arzneitabletten des Armeesanitätsmaterials. Pharm. acta helvet., 1933, **8**: 38–53.—**Girard, P.** Médicaments nouveaux. Rev. Corps san. mil., Par., 1947, **3**: 592–605.—**Ionescu, A. M.** Contribuţiuni la studiul purităţei, alterărei şi conservărei substanţelor medicamentoase. Rev. san. mil., Bucur., 1936, **35**: 858–69.—**Khrenov, A.** Medikamenty. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 693–6.—**Maimind, S.** Lekarstvennye sredstva. Ibid., 418–49.—**Parfenov, A.** Kumysolechenie (vinum lactis) Ibid., 288–91.—**Romanó, A. C.** Importancia de la reacción del medio en las preparaciones farmacéuticas; algunas incompatibilidades; su resolución. Rev. san. mil. argent., 1948, **47**: 141–55.—**Solacolu, T., & Kollo, C.** Caracterele esenţei de Mentha piperita extrasa din plante cultivate in ţara. Rev. san. mil., Bucur., 1936, **35**: 870–6.

DRUG addiction.

See also **Alcoholism.**

Cordite. A new vice among soldiers. West. Druggist, Chic., 1904, **26**: 17.—**Hunter, C. G.** A case of delirium tremens; an account by a patient. J. R. Nav. M. Serv., 1948, **34**: 41–5.—**Moore, M.** Drug addiction in military service. Collect. Lect Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 60–73

DRUGGING (of aviator)

See under **Aviator.**

DRUGGIST.

See **Pharmacist.**

DRUG industry.

See also **Pharmacy.**

Ashby, M. War-time drug supplies; possibilities of Empire production; methods of cultivation. Pharm. J., Lond., 1941, **93**: 78; passim.—**Baxter, J. P., III.** Antimalarials. In his Scientists Against Time, Bost., 1946, 299–320.—**Cerbulescu, C.** Produsele industriale care s'ar putea obţine cu materii prime din ţară şi de care are nevoie Serviciul sanitar al armatei in timp de pace şi in timp de războiu. Rev. san. mil., Bucur., 1936, **35**: 808–18.—**Daley, W. A.** Saving on drugs. Lancet, Lond., 1941, **2**: 85.—**Development** (The) of drug manufacture in Australia; a remarkable wartime achievement. Australas. J. Pharm., 1942, **23**: 765.—**Drug** production within the Empire. Pharm. J., Lond., 1941, **93**: 23 i.—**Enloe, C. F.,** jr. The pharmaceutical industry. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 294. ——— Knoll, A. G., Ludwigshafen. Ibid., 294–8, illust. ——— I. G. Farben, Hoechst. Ibid., 300–5. ——— Pharmaceutical manufacture at Leverkusen. Ibid., 306–28.—**Linstead, H. N.** The war and pharmacy in Great Britain. Australas. J. Pharm., 1941, **22**: 357.—**MacMillan, C.** L'industrie des produits pharmaceutiques en Australie pendant la guerre. Produits pharm., 1947, **2**: 133–6.—**Patch, R. R.** The application of manpower to the production of pharmaceuticals. Proc. Am. Drug Manuf. Ass., 1943, 32. meet., 49–53.—**Phelps, H. J.** History of the Organon Factory during the occupation. CIOS Rep., Lond., 1944, Item 24, No. X–14 & XII–23, 3–6.—**Rangel Sobrinho, O. da F.** Indústria química e defesa nacional. Rev. brasil. farm., 1942, **23**: 322–30.—**Russell, F. H.** Some economic weapons in total warfare. Proc. Am. Drug. Manuf. Ass., 1944, **33**: 109–21.—**Saving** on drugs. Lancet, Lond., 1941, **1**: 15.—**Suzzi, F.** Il contributo della sanità militare italiana alla technica della preparazione e conservazione dei medicinali per uso ipodermico. Rapp. Congr. internat. méd. pharm. mil., 1931, **2**: 169.—**U. S. A.** and the war. Pharm. J., Lond., 1941, **93**: 180.

DRUG resources.

See also previous and subsequent heading.

United States. War Department. Office of the Under Secretary. Planning Branch.

Drugs resources. 95 numb. l. 27cm. Wash., 1941.

Census of essential drugs. Current Sc., Bangalore, 1941, **10:** 384.—**Gomes da Cruz, J. P.** As plantas medicinais e a guerra. Rev. flora med., Rio, 1942, **9:** 471–85.—**Lunga, J.** [Obtaining raw material for the production of drugs during military operations] Voj. zdravot. listy, 1934, **10:** 105–7.—**Rossiisky, D. M.** [Medicinal resources of the USSR] Feldsher, Moskva, 1943, 34–7.—**Substitutes** for imported drugs. Pharm. J., Lond., 1940, **91:** 110.—**U. S.** has plenty of vitamins, vaccines, and anesthetics. Science News Lett., 1941, **39:** 87.—**What** is happening to botanical drugs? J. M. Soc. N. Jersey, 1942, **39:** 163.

DRUG supply.

See also **Drug industry; Drug resources; Matériel,** medical; also under names of drugs as **Penicillin; Quinine; Sulfonamide,** etc.

United States. War Department. Technical bulletin TB MED 149: Descriptive list of drugs and chemicals in Far East CAD units. 25p. 26cm. Wash., 1945.

Coffres pharmaceutiques des armées. Arch. méd. belges, 1936, **89:** Bull., 161.—**Drummond, J.** Drugs for the troops. S. Afr. M. J., 1941, **15:** 415.—**Ortolan, J. A.** The practicability or desirability of omitting from the supply table certain drugs. U. S. Nav. M. Bull., 1916, **10:** 490–2.—**P., W. K.** The logistics of pharmacy. Hosp. Corps Q., 1944, **17:** No. 4, 33.—**Supply** (The) of drugs. N. Orleans M. & S. J., 1943–44, **96:** 159.

—— Ampoules.

Damasio, A. J., Luna Freire do Pilar, O., & Magela Bijos, G. Notas sobre a preparação de empolas no serviço farmacêutico do exercito. Rev. med. mil., Rio, 1939, **28:** 302–8.—**Papish, G. N.** [Effect of low temperature on medicinal substances in ampules] Voen. san. delo, 1941, No. 12, 53.—**Prouzerque, R.** Sur un procédé de remplissage et sur la préparation des ampoules médicamenteuses à la pharmacie de réserve du corps de débarquement de Casablanca. Arch. méd. pharm. mil., 1911, **58:** 48–55.—**Röhner, L. J.** Préparation et conservation des ampoules médicamenteuses en usage chez les services de santé des armées de terre et de mer. Rapp. Congr. internat. méd. pharm. mil., 1931, **1:** 436–46.

—— Blood substitutes.

See under **Blood transfusion.**

—— Conservation.

See also **Pharmacotherapy,** Economy.

United States. Veterans Administration. Technical bulletin TB 10A–107: Drug policy and procedure. 4p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–191: Drug policy and procedure. 4p. 26½cm. Wash., 1949.

Conservation (The) of essential drugs. Austral. Vet. J., 1942, **18:** 49.—**Economise** now. Lancet, Lond., 1941, **2:** 704.—**Poriadke** (O) propisyvaniia i izgotovleniia lekarstv iz preparatov, ukazannykh v farmakopee v vide rastvorov. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 20.—**Pravila** khraneniia i otpuska syvorotok i vakcin, izgotovliaemykh dlia primeneniia na liudiakh, v aptechnykh skladakh, aptekakh i lechebnykh uchrezhdeniiakh. Ibid., 16.—**Pravila** po peregonke, proverke i khraneniiu destillirovannoi vody. Ibid., 21.—**Spisok A:** Iadovitykh lekarstvennykh sredstv, kotorye dolzhny khranitsia v aptekakh pod zamkom. Ibid., 23.—**Spisok B:** Silnodeistvuiushchikh lekarstvennykh sredstv, kotorye dolzhny khranitsia s predostorozhnostiu otdelno ot prochikh lekarstvennykh sredstv. Ibid., 24.—**Tator, K.** Conservation of supplies. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, **3:** 55.—**Vega Herrera, A.** Alteración, conservación y almacenamiento de sustancias medicinales. Rev. san. mil., B. Air., 1940, **39:** 622–6.—**War** emergency formulae. Pharm. J., Lond., 1940, **91:** 147.—**What** the drug trade has done to win the war. Am. Druggist, 1918, **66:** No. 5, 54–6.

—— Control and rationing.

Control of drugs and medical supplies. J. Am. M. Ass., 1942, **118:** 1298.—**Control** (The) of drugs and wartime prescribing. Med. J. Australia, 1943, **2:** 213.—**Enloe, C. F., jr.** The apothecary and drug rationing. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 336.—**Garat, Y.** Etude schématique du mécanisme de la repartition et de la distribution des matières contingentées en pharmacie. Ann. pharm. fr., 1943, **1:** 59–61.—**Goris.** Sur l'état de nos approvisionnements en produits pharmaceutiques en avril 1941. Bull. Acad. méd., Par., 1941, 3. sér., **124:** 456–64. —— Sur l'état de nos approvisionnements en produits pharmaceutiques, en novembre 1941. Ibid., **125:** 216–23.—**Kriegswirtschaftliche** Massnahmen zur Sicherstellung des Arzneimittelbedarfes der Armee und Zivilbevölkerung. Veska Zschr., Luzern, 1939, **3:** 37.—**MacGuire, F. A.** Restrictions on the supply of drugs and control of the use of surgical gauze; National Security, Medical Co-ordination and Equipment, Regulations. Australas. J. Pharm., 1942, **23:** 11.—**Olsen, P. C.** Simplified methods of wartime stock control. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1943, **4:** 331–3.—**Ramon, G.** A propos des rapports présentés au nom de la Commission du rationnement pharmaceutique. Bull. Acad. méd., Par., 1941, 3. sér., **124:** 495. —— Rapport sur l'approvisionnement en sérums et vaccins. Ibid., 496–9.—**Satō, T.** Rikugun yaku-sei kankei [The relation of the Army to drug control] In his Den Masanao Koike, Tōkyō, 1940, 671–7.

—— by countries.

Advisory panel on drugs and medicines. Calcutta M. J., 1943, **40:** 85.—**Baker, D. V.** Survey of the British drug and cosmetic trade in wartime. Australas. J. Pharm., 1941, **22:** 361–4.—**Bennett, F. C.** Australian supplies of drugs and medicinal chemicals in war time. Ibid., 439; 511.—**Causa** (A) de la guerra faltan algunos medicamentos en nuestro arsenal terapéutico. Bol. Dep. hig. Prov. Córdoba, 1941/42, **1:** No. 4, 3.—**Doctors** and druggists. Nova Scotia M. Bull., 1943, **22:** 139.—**Drug** shortage in Germany. Pharm. J., Lond., 1942, **95:** 22. Also Australas. J. Pharm., 1943, **24:** 423.—**Drug** supplies from the Empire. Lancet, Lond., 1942, **1:** 21.—**Drug** supplies for liberated civilian populations. Vet. Rec., Lond., 1943, **55:** 252.—**Drug** supplies in wartime [Great Britain] J. Am. M. Ass., 1941, **116:** 1469.—**Drugs** and the Far East. Pharm. J., Lond., 1941, **93:** 199.—**Drugs** rushed to China. West Virginia M. J., 1941, **37:** 333.—**Drugs** in wartime in India. Med. Rec., N. Y., 1942, **155:** 233.—**Eichler.** Neuer Arzneilieferungsvertrag mit der Wehrmacht. Deut. Apoth. Ztg, 1943. **58:** 349.—**Ermel.** Zur neuen Polizeiverordnung über das Werben für Heilmittel. Münch. med. Wschr., 1941, **88:** 1148.—**Gemeinhardt, K.** Arzneimittel bei der Wehrmacht. Med. Welt, 1937, **11:** 1570.—**Mortimer, A.** Drug supplies in war time. Pharm. J., Lond., 1941, **92:** 24.—**Pharmacies** in unoccupied France; serious shortage of supplies. Ibid., 259.—**Re-draft** (A) of the drug bill. Lancet, Lond., 1941, **1:** 823.—**Reichert.** Die Arzneimittelversorgung der Wehrmacht. Deut. Aerztebl., 1940, **70:** 53.—**Shortage** of drugs; Ministry of Health's statement. Brit. M. J., 1941, **1:** 372.—**South** African Union and the drug position. Australas. J. Pharm., 1942, **23:** 846.—**Supply** of pharmaceutical products in Germany. Ibid., 818.—**War** and pharmacy in Great Britain. Med. Rec., N. Y., 1941, **154:** 203.—**Wartime** shortages in pharmaceutical commodities in Great Britain. Australas. J. Pharm., 1940, n. ser., **21:** 572.—**Wielen, P. van der** [Medicinal remedies in wartime] Ned. tschr. geneesk., 1940, **84:** 3409–16.

—— in wartime.

Banzer, G. Möglichkeiten der Arzneiversorgung im Kriege. Deut. Aerztebl., 1940, **70:** 39.—**Beirne, H. P.** Prescription ingredient shortage. Connecticut M. J., 1942, **6:** 125.—**Davy, E. P.** Scarcity of prescription drugs. Bull. Acad. M. Cleveland, 1943, **28:** No. 2, 13.—**Drugs** and war-time alternatives. Nature, Lond., 1940, **146:** 496.—**Effect** of the war on drug supplies. J. Am. M. Ass., 1940, **115:** 230. Also Texas J. M., 1943–44, **39:** 398–400.—**Hamill, P.** Drugs; their use and supply in war-time. Nurs. Times, Lond., 1942, **38:** 368.—**Loeper, M.** Rapport général sur le ravitaillement pharmaceutique. Bull. Acad. méd., Par., 1941, 3. sér., **124:** 508–15.—**Ormerod, M. J.** Drug shortage in wartime. Manitoba M. Ass. Rev., 1943, **23:** 61.—**Plentiful** or essential drugs. Lancet, Lond., 1940, **2:** 472.—**Powell, H. T.** Demand exceeds supply of drugs and fine chemicals. Mod. Hosp., 1943, **61:** 106–10.—**Prather, O. L.** Medicine and pharmacy in war. J. Oklahoma M. Ass., 1942, **35:** 460–2.—**Tyrrell, T. M.** Scarcity of ophthalmic drugs. Lancet, Lond., 1940, **2:** 731.—**War** (The) affects materia medica. Med. Soc. Rep., Scranton, 1941, **35:** No. 6, 23.—**War** drug shortages. Milwaukee M. Times, 1943, **16:** No. 5, 22.—**War** and drugs. Australas. J. Pharm., 1942, **23:** 29.—**War** shortage of drugs and medical appliances. N. York State J. M., 1942, **42:** 857.

DRUG treatment.

See **Pharmacotherapy.**

DUGOUT.

See also **Shelter; Trench.**

Leidy, J. A surgical dugout and how to ventilate it. Mil. Surgeon, 1918, **42:** 350, pl.—**Patterson, J. K.** A black-out flyproof tent-dugout operating room. U. S. Nav. M. Bull., 1943, **41:** 1130–3.

DUMP.

See under **Supply.**

DUNKIRK.

See **World War II.**

DUODENAL ulcer.

See with **Peptic ulcer.**

DURA mater.

See under **Nervous system,** Disease.

DUST.

See also **Air raid; Tank.**

MAY, J. A new method for measuring dust. 13 l. 27cm. Heidelb., 1946.

Forms No. 03–46–28, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Air sanitation and dust control. Med. Bull. U. S. First Army, 1949, **4:** 3.—**Desaga.** Death caused by dust. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 137.—**Galambos, J.** The use of concentrated calcium chloride solution for the prevention of dust. Bull. War M., Lond., 1941–42, **2:** 428 (Abstr.)—**Konimeter** available for loan. U. S. Nav. M. Bull., 1936, **34:** 561.—**Miller, W. R., Jarrett, E. T.** [et al.] Evaluation of ultraviolet radiation and dust control measures in control of respiratory disease at a Naval training center. J. Infect. Dis., 1948, **82:** 86–100.

DYSENTERY.

See also **Epidemic;** also **Digestive system,** Disease.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 119: Bacillary dysentery. 4p. 26cm. Wash., 1944.

Bacillary dysentery. Bull. Army M. Dir., Lond., 1941, No. 2, 3.—**Bacillary** dysentery; War Department Technical Bulletin T. B. Med. 119. War Med., Chic., 1945, **7:** 36–9.—**Bacillary** dysentery in war. Brit. M. J., 1940, **1:** 1023.—**Boyd, J. S. K.** Bacillary dysentery. Lancet, Lond., 1944, **2:** 90.—**Calarco, J. J.** The dysenteries. Med. Clin. N. America, 1944, **28:** 1497–1508.—**Callender, G. R.** Dysenteries and diarrheas; their importance in the military service. War Med., Chic., 1943, **4:** 459–64.—**D'Antoni, J. S.** The dysenteries. N. Orleans M. & S. J., 1944–45, **97:** 101–7.—**Diarrhée,** dysenterie. Statist. méd. Armée (France) (1894) 1896, 127–33.—**Dötzer & Schuller.** Experiences in 2 outbreaks of dysentery in camps. War Med., Chic., 1943, **3:** 667 (Abstr.)—**Dysentery,** bacillary. Res. Program U. S. Army Med. Res. Bd, 1946, July, 99–102.—**Hegler, C.** Die Ruhr. Med. Welt, 1939, **13:** 1427–31.—**Hurevitz, H. M.** Bacillary dysentery. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1:** No. 4, 23–7. Also War Med., Chic., 1944, **6:** 247–50.—**Hurst, A.** Dysentery. In his Med. Dis. War, 2. ed., Lond., 1941, 201–36, pl. Also 3. ed., 1943, 277–314, 2 pl. ——— Bacillary dysentery. Ibid., 277–93.—**Jonin, I., Kraevsky, N.** [et al.] Dizenteria. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 510–27.—**Krieger, H.** Die bazilläre Ruhr. Münch. med. Wschr., 1941, **88:** 1125; 1149; 1170.—**Kuhns, D. M., & Anderson, T. G.** A fly-borne bacillary dysentery epidemic in a large military organization. Am. J. Pub. Health, 1944, **34:** 750–5.—**Love, R. J. M.** Bacillary dysentery. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2:** 875–7.—**McCommons, D. M.** Bacillary dysentery. Med. Bull. U. S. First Army, 1949, **4:** 7–12.—**Maksimovich, N. A.** [Chronic dysentery (material from evacuation hospitals)] Klin. med., Moskva, 1944, **22:** No. 4, 33–5.—**Manson-Bahr, P. H.** Dysentery and diarrhoea in wartime. Brit. M. J., 1942, **2:** 346; 374. ——— Epidemic dysentery in the armed forces. Med. Press & Circ., Lond., 1943, **210:** 37–40. Also Mod. Treat. Yearb., 1944, **10:** 272–80.—**Seize, V.** Considerações sobre a disenteria bacilar. Arq. brasil. med. nav., 1944, **5:** 533–9.—**Sylla, Walter & Boehmig.** Bacillary dysentery. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 95–102.—**Thompson, C. M., White, B. V.,** jr, & **Schafer, W. L.** Shigellosis studies; etiology and clinical features. U. S. Nav. M. Bull., 1946, **46:** 528–40.—**Voegtlin, W. L.** Bacillary and amebic dysentery. Northwest M., 1944, **43:** 69–73.—**Willatt, J. D.** Dysentery. Proc. Conf. Med. Specialists East Army, Calc., 1943, 38–43.—**Williamson, R., Fuller, R.** [et al.] Bacillary dysentery. U. S. Nav. M. Bull., 1948, **48:** 818–21.—**Zellweger.** Ueber eine Dysenterie-Epidemie (Typus Sonne-Kruse) im Aktivdienst. Schweiz. med. Wschr., 1943, **73:** 422–6.

—— Bacteriology and serology.

BARNES, L. A., & CASTERLINE, J. E. Observations on the production of hydrogen sulfide by Shigella alkalescens. 3p. 26½cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X-756, U. S. Nav. M. Res. Inst.

KASUGA, K., GOTŌ, K., & HIROZUKI, K. Siga-kei sekiri-kin no kensaku ni teki-suru fuchsin-aryūsan natrium [Appropriate acid fuchsins (fuchsin sodium sulphite) for the index of Shigella dysenteriae] p. 1279–331. 21cm. Tokyo, 1928.

In: Gun idan zassi, 1928, No. 185.

Archer, G. T. L. A factor inhibiting the agglutination of Bact. alkalescens by homologus serum. J. R. Army M. Corps, 1942, **79:** 109–17.—**Barnes, L. A.** Pathogenic enteric bacilli; the Shigella group. U. S. Nav. M. Bull., 1944, **43:** 1178–92. ——— & **Casterline, J. E.** Observations on the production of hydrogen sulfide by Shigella alkalescens. Ibid., 1947, **47:** 478–80.—**Bensted, H. J.** Bacillary dysentery; the significance of the inagglutinable Flexner in the light of recent investigations. J. R. Army M. Corps, 1939, **73:** 342–7.—**Boyd, J. S. K.** The antigenic structure of the mannitol-fermenting group of dysentery bacilli. Ibid., **72:** 85–107.—**Carlquist, P. R.** Wartime Army medical laboratory activities; development of Shigella typing by antigenic analysis. Am. J. Pub. Health, 1947, **37:** 840–5.—**Dysentery,** bacillary; initiated 1 October 1941 for the antigenic analysis of prevailing strains, evaluation of virulence by suitable techniques and development of treatment agents. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 107.—**Ewing, W. H., & Bruner, D. W.** Selection of Salmonella and Shigella cultures for typing. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3:** 155–60.—**Felsen, J., & Levenkron, E.** Experimental studies in the production of agglutinins to B. dysenteriae. Mil. Surgeon, 1940, **87:** 221–9.—**Fisher, M. N.** [Serodiagnosis of dysentery according to Vidal] Raboty Leningr. vrach. za god Otechest. voiny, 1943, **3:** 107–16.—**Getty, R. W., Clifton, F.** [et al.] Large scale isolation and identification of Shigella organisms in the field. U. S. Nav. M. Bull., 1945, **44:** 729–33.—**Ivančević, Z.** Ispitivanje vrednosti konzervansa za dizenterične klice. Voj. san. pregl., Beogr., 1949, **6:** 310.—**Kisigami, S., & Tanaka, Y.** [On the para-type mannite non-fermenting bacilli isolated from dysentery patients who were stricken suddenly under prevailing conditions] Bull. Nav. M. Ass., Tokyo, 1941, **30:** 42–9.—**Larkum, N. W.** Classification of the Shigellas. Bull. U. S. Army M. Dep., 1944, No. 77, 106–10.—**Novgorodskaia, E. M., Andreeva, A. P., & Preobrazhenskaia, N. I.** Epidemicheskaia vspyshka dizenterii, vyzvannaia palochkoi novogo tipa. Raboty Leningr. vrach. za gody Otechest. voiny, 1945, **6:** 57–63.—**Petriaev, E. D.** Opyt primeneniia reakcii precipitacii dlia diagnostiki dizenterii. Voen. san. delo, 1941, No. 3, 32–4.—**Pochechuev & Spesivceva.** Bacteriofagodiagnostika dizenterii. Ibid., 1940, No. 4, 96.—**Sachs, A.** Difficulties associated with the bacteriological diagnosis of bacillary dysentery. J. R. Army M. Corps, 1939, **73:** 235–9.—**Sachs, H.** A report on an investigation into the characteristics of new types of non-mannitol-fermenting bacilli isolated from cases of bacillary dysentery in India and Egypt. Ibid., 1943, **80:** 92–9.—**Starobinec, G. M., Shustrov, B. M., & Kliuge, V. A.** K voprosu o reakcii aggliutinacii filtrata kala pri issledovanii na bacillonositelstvo dizenterii. Voen. san. delo, 1940, No. 8, 98.—**Thompson, C. M., & White, B. V.,** jr. Shigellosis studies; clinical observations on dysentery caused by Shigella flexneri III. U. S. Nav. M. Bull., 1946, **46:** 901–10.—**Typing** sera for the genus Shigella. Bull. U. S. Army M. Dep., 1945, **4:** 627–9.

—— Diagnosis.

See also preceding subheading.

Aldin, R. The diagnostic importance of the stools in the dysenteries. J. R. Army M. Corps, 1944, **83:** 66–9.—**Bashina-Liuboshic, S. B.** [Quick diagnosis of dysentery] Voen. san. delo, 1941, No. 8, 81.—**Dysenteries,** diagnosis and treatment [form letter] Bumed News Lett., Wash., 1944, **3:** No. 7, 24–7.—**Martin, P. G.** Sigmoidoscopy and the diagnosis of chronic amocbic and bacillary dysentery. J. R. Nav. M. Serv., 1944, **30:** 241.—**Predtechensky, S. N.** Metodika rannci i bystroi diagnostiki dizenterii. Voen. san. delo, 1940, No. 6, 83.—**Romão, A. J.** Orientação diagnóstica nas disenterias bacilares. Arq. brasil. med. nav., 1944, 5: 669–80, ch.—**Shigellosis;** early diagnosis and objective response to treatment. Bull. U. S. Army M. Dep., 1945, **4:** 392–4.

—— Geography.

See also **World War I; World War II.**

Adams, J. W., jr, & **Atwood, R. T.** Bacillary dysentery; a bacteriologic and clinical analysis of 251 cases occurring in an Army camp. War Med., Chic., 1944, **5:** 14–20.—**Arce Q., A.** Disentería bacilar; su incidencia en salud publica en América Latina. Rev. san. mil., Asunción, 1944, 181–213.—**Berge, C., & Fauconnier, J.** Bacillary dysentery in the 4th maritime region, Bizerta-Ferryville, in 1939–40. Bull. War M., Lond., 1941–42, **2:** 401 (Abstr.)—**Dötzer & Schuller.** Erfahrungen bei zwei Ruhrseuchenausbrüchen in Lagern. Deut. Militärarzt, 1941, **6:** 95; 160.—**Franzani, O. F.** La disenteria bacilar en el Departamento de San Rafael, Mendoza. Rev. san. mil., B. Air., 1942, **41:** 678–80.—**Heinemann, B.** Incidence of Shigellas and Salmonellas isolated from American military personnel in Egypt; a bacteriologic analysis. War Med., 1945, **8:** 105–8.—**Kohasi, N., & Ueda, S.** Taiwan Hohei Dai Iti Rentai ni okeru saikin-sei sekiri (Y-kata) no ryūkō ni tuite [An epidemic of bacillary dysentery (type Y) in Formosan Infantry Regiment No. 1] Gun idan zassi, 1927, No. 165, 255–310, tab.—**M., R. A.** Gunner Parker. J. R. Army M. Corps, 1944, **82:** 143.—**Mattei, A.** Febbre climatica massauina estiva. Ann. med. nav., Roma, 1939, **45:** 229–45.—**Randall, C. C., & Dunn, H. O.**

Types of Shigella isolated from military personnel in North Africa. War Med., 1945, 8: 389–91.—**Rapoport, M. A.** [Etiological data on dysentery in Leningrad] Raboty Leningr. vrach. za god Otechest. voiny, 1943, 3: 98–106.—**Saunders, H. P.** Dysentery epidemic; report of one hundred eighty-four cases. U. S. Nav. M. Bull., 1945, 45: 1209–11.—**Schad.** Ueber Ursache und Verlauf einer Ruhrepidemie (Flexner) bei zwei Truppenteilen. Münch. med. Wschr., 1939, 86: 564.—**Stewart, W.** On the viability and transmission of dysentery bacili by flies in North Africa. J. R. Army M. Corps, 1944, 83: 42–6.—**Wasserstrom, T.** Kilka uwag na marginesie epidemii czerwonki. Lek. wojsk., 1949, 25: 350–8.

—— Manifestation.

Kruspe. Zur Aetiologie der Reiterschen Erkrankung. Derm. Wschr., 1941, 112: 457–64.—**Kurzrok, I.** Leczenie zapalenia stawów po czerwonce zastrzykiwaniem mleka. Lek. wojsk., 1921, 2: 72–5.—**Wachsmuth, H. O., & Wirtz, K.** Beitrag zur Symptomentrias Conjunctivitis, Urethritis, Arthritis nach Enteritis. Deut. Militärarzt, 1943, 8: 258–63.—**Yosino, S.** Syōwa san nen yahōhei dai nizyūni rentai ni ryūkō-sesi saikin-sei sekiri kanzya no kaihuku-ki ni okeru kanzyomyaku ni tuite [The very slow pulse in convalescence of sufferers from the epidemic of bacillary dysentery that swept the 22d regiment of field-artillery in 1928] Gun idan zassi, 1930, No. 200, 160–8.

—— Pathology.

Abente Haedo, F., & Rodríguez Devincenzi, A. La insuficiencia suprarrenal de la disentería bacilar. Rev. san. mil., Asunción, 1940–42, 14: 437–51.—**Dick, J. C.** Histological findings in fatal cases of bacillary dysentery. J. R. Army M. Corps, 1942, 79: 240–5.—**Faure & Lévy.** Tétanies latentes de l'adulte révélées par la dysenterie bacillaire. Bull. Soc. méd. mil. fr., 1948, 42: 45.—**Störmer.** Postdysenterische Magen-Darmerkrankungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 142–6.—**Tasiro, K.** Experimental studies on the susceptibility of rats fed with vitamin B deficient food to the paradysentery infection; report. Bull. Nav. M. Ass., Tokyo, 1940,'29: 30.—**Zimmerman, L. M.** Diffuse peritonitis secondary to bacillary dysentery. U. S. Nav. M. Bull., 1949, 49: 313–5.

—— Treatment [incl. prevention]

Dennig, H. Die Behandlung von Magendarmstörungen und Ruhrerkrankungen mit einfachen truppenärztlichen Mitteln. Schweiz. med. Wschr., 1942, 72: 1111 (Abstr.)—**Bühler, F., & Grimm, K.** Zur Behandlung der Durchfallkrankheiten im Felde. Med. Klin., Berl., 1943, 39: 610–2.—**Dysentery** control studies. In: Malaria Control in War Areas, Atlanta, 1945–46, 78.—**Finerman, W. B., & Weiss, J. E.** Control of bacillary dysentery in a tropical outpost; report of 1,000 cases. Bull. U. S. Army M. Dep., 1944, No. 81, 71–82.—**Gunzin** igaku; saikin-sei sekiri no tiryō [...treatment of bacillary dysentery] Tōzai igaku, 1941, 8: 358.—**Hill, C.** Britain defeats desert enemy No. 2; Army doctors announce new anti-dysentery treatment. Australas. J. Pharm., 1943, 24: 257.—**Hoff.** Ruhrbehandlung im Kriegslazarett. Med. Klin., Berl., 1940, 36: 1286 (Abstr.)—**McManis, A. G., & Rich, W. G.** Treatment of dysentery at sea. Brit. M. J., 1943, 1: 82.—**Management** (The) of the dysenteries. Bull. U. S. Army M. Dep., 1945, 4: 183.—**Mathers, G.** Treatment of dysentery at sea. Brit. M. J., 1943, 1: 614.—**Miller, F. G.** The treatment of dysentery in a forward hospital. J. R. Army M. Corps, 1945, 84: 171–4.—**Nickusch, R.** Ueber vergleichende Behandlung der Bacillenruhr. Deut. Militärarzt, 1941, 6: 361–3.—**Siroko, A. L.** Novoe v borbe s dizenteriei. Voen. san. delo, 1940, No. 10, 100.—**Skvorcov, V.** Borba s bacilliarnoi dizenteriei (hemokolitami) v vesenne-letnii period. Ibid., No. 4, 22–4.—**Successful** treatment of dysentery at sea. What's New, North Chic., 1943, No. 75, 16.—**Wilson, D. C.** Notes on the treatment of bacillary dysentery. J. R. Nav. M. Serv., 1942, 28: 357–61.

—— Treatment: Chemotherapy.

Bulmer, E., & Priest, W. M. Sulfaguanidine in the treatment of bacillary dysentery. J. R. Army M. Corps, 1942, 79: 277–86.—**Chulkov, P. S.** Opyt khimicterapii dizenteriinogo bacillonositelstva i khronicheskoi dizenterii. Voen. san. delo, 1941, No. 9, 40–50. ——— & **Chistovich, G. N.** [Chemotherapy of bacterial infections; the action of sulfidine and sulfazole on dysenteric bacilli in vitro and in mice] Ibid., 1943, No. 4, 42–7.—**Clark, A. P. C.** Bacillary dysentery; a controlled series treated by sulphaguanidine. J. R. Nav. M. Serv., 1944, 30: 240.—**Cornell, V. H., Watt, J., & Dammin, G. J.** Sulfaguanidine in the control of Shigella paradysenteriae infections in troops. Mil. Surgeon, 1943, 92: 253–5.—**Eickhoff, A., & Stürmer, K.** Kurzer Erfahrungsbericht über die Behandlung der Flexnerruhr, vor allem mit Sulfopyridinpräparaten. Deut. Militärarzt, 1944, 9: 12.—**Hill, C.** Doctors' victory against dysentery in the desert. Hygeia, Chic., 1943, 21: 16.—**Lyon, G. M.** The chemotherapy of bacillary dysentery; further observations on sulfaguanidine. U. S. Nav. M. Bull., 1942, 40: 601–8.—**Page, S. G., jr.** Sulfaguanidine in the treatment of bacillary dysentery. Bull. U. S. Army M. Dep., 1944, No. 72, 50–62.—**Saile, W.** Behandlung der Bacillenruhr mit Eubasinum und Vergleich mit anderen Behandlungsmethoden. Deut. Militärarzt, 1943, 8: 104–7.—**Samokhin, G. I.** [Sulfidin in treatment of bacillary dysentery] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 567–71.—**Savage, T. R.** The treatment of acute bacillary dysentery with sulphapyridine; a possible emergency substitute for sulfaguanidine. J. R. Army M. Corps, 1943, 80: 275–8.—**Scott, R. B.** On the effect of sulphaguanidine in acute bacillary dysentery. Ibid., 1945, 84: 159–62.—**Sulphaguanidine** in the treatment of bacillary dysentery in soldiers. Bull. Army M. Dir., Lond., 1942, No. 9, 1–3.—**White, B. V.,** jr, **Thompson, C. M.** [et al.] Shigellosis studies; resistance of Shigella flexneri III to therapy with sulfadiazine. U. S. Nav. M. Bull., 1946, 46: 704–8.

—— Treatment: Phage, serum and vaccine.

Barnes, L. A., Bennett, I. L., jr, & Gordon, R. S. Field trial of Shigella flexneri III vaccine; background, scope, and organization of the program. 26p. 26½cm. Bethesda, 1949.

Forms No. 5, Rep. Res. Proj. NM 005 010 (or, X-756) U. S. Nav. M. Res. Inst.

Also U. S. Nav. M. Bull., 1949, 49: 757–74.

—— Field trial of Shigella flexneri III vaccine; serum agglutination studies. 28p. 26½cm. Bethesda, 1949.

Forms No. 6, Rep. Res. Proj. NM 005 010 (or, X-756) U. S. Nav. M. Res. Inst.

—— Field trial of Shigella flexneri III vaccine; coproantibody studies. 10p. 26½cm. Bethesda, Md, 1949.

Forms No. 7, Rep. Proj. NM 005 010 (or, X-756) U. S. Nav. M. Res. Inst.

Also J. Infect. Dis., 1950, 86: 197–201.

Barnes, L. A., & Durant, R. C. Field trial of Shigella flexneri III vaccine; preliminary report of cultural results. 18p. 27cm. Bethesda, Md, 1949.

Forms No. 8, Rep. Proj. NM 005 010 (or, X-756) U. S. Nav. M. Res. Inst.

Young, F. C. F., & Duggan, T. L. A laboratory study of bacteriophages for the control of bacillary dysentery. 10p. 26½cm. Bethesda, 1944.

Forms No. 1, Rep. Res. Proj. X-165, U. S. Nav. M. Res. Inst.

Bauer, O. E., & Velik, M. A. Nabliudeniia nad deistviem sukhogo dizenteriinogo bakteriofaga. Voen. san. delo, 1941, No. 9, 35–9.—**Brás de Sá, L. J.** Uma epidemia de disenteria bacilar no corpo de tropas em Valpoi ràpidamente jugulada pela vacinação antidisentérica. Clín. hig. & hidr., Lisb., 1936, 2: 376–8.—**Felsen, J.** Human convalescent serum and vaccination in the prevention and treatment of bacillary dysentery. Mil. Surgeon, 1940, 87: 417–23. Also War Med. Sympos., N. Y., 1942, 504–10.—**Fisher, M. N.** [Laboratory efficacy in phage-therapy of dysentery] Raboty Leningr. vrach. za god Otechest. voiny, 1943, 3: 91–7.—**Gray, G. W.** Dysentery and bacteriophage. In his Science at War, 3. ed., N. Y., 1943, 219.—**Guthof, O.** The bacteriophage treatment of dysentery. Bull. War M., Lond., 1941–42, 2: 308 (Abstr.)—**Kestermann, E., & Vogt, K. E.** Recent researches on active immunization against dysentery with separated antigens. Ibid., 401 (Abstr.)—**Kirsenko, V. K.** O techenii dizenterii u vakcinirovannykh protiv nee po Bezredka. Voen. san. delo, 1940, No. 8, 75–7.—**Klose, F., & Schröer, W.** Ein Beitrag zur Ruhrschutzbehandlung mit polyvalenten Ruhrbakteriophagen. Deut. Militärarzt, 1941, 6: 265–7. Also Spanish transl., Rev. san. mil., B. Air., 1942, 41: 264–9.—**Koifman, S. I.** Opyt lecheniia bacilliarnoi dizenterii bakteriofagom. Voen. san. delo, 1940, No. 8, 72–5.—**Laboratory** (A) study of bacteriophages for the control of bacillary dysentery. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 9.—**Sait Bilal.** Essais d'immunisation avec la toxine dysentérique Shiga enrobée à la lanoline. Askeri vet. mecmuasi, 1938, 15: 332–4.—**Skvorcov, V. V.** [Evaluation of preparations for active immunization against dysentery in the Army] Voen. med. J., Moskva, 1944, June, 35–7.—**Troickij, V. L.** Predokhraniteljnaja vakcinacija protiv dizenterii. In: Dost. sovet. med. Otеč. vojny, 1943, 1: 84–96.—**Vierthaler.** Bacillary dysentery; immunization, bacteriophages, preservation and transport. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 9, 87; Disc., 92–8.

DYSENTERY (amebic)

Greif, R. L. Agglutination of Endamoeba histolytica cysts. 7p. 27cm. Bethesda, 1946.

Forms Res. Proj. X-166, U. S. Nav. M. Res. Inst.

Stoll, A. M., Ward, P. A., & Mathieson, D. R. The effect of ultraviolet radiation on cysts of Endamoeba histolytica. 4p. 26½cm. Bethesda, 1945.

Forms No. 5, Rep. Res. Proj. X-110, U. S. Nav. M. Res. Inst.

United States. War Department. Technical bulletin TB MED 159: Amebiasis. 8p. 26cm. Wash., 1945.

——— [The same] Change 1. 2p. 26cm. Wash., 1947.

Alkan, W. Amoebiasis as seen during 18 months with a military hospital. Harefuah, Tel Aviv, 1947, **33:** 143–6.—**Amagliani, N.** Sulla diagnosi parassitologica dell'Entamoeba histolytica; nota pratica. Gior. med. mil., 1947, **94:** 480–6.—**Amebic** dysentery; amebiasis. Seminar, Phila., 1943, **5:** No. 3, 13–7.—**Amebic** dysentery and the diarrheal diseases. Health (U. S. War Dep. Surg. Gen. Off.) 1945, Jan. 22.—**Bomford, R. R.** Chronic amoebiasis in soldiers. J. R. Army M. Corps, 1944, **83:** 279–83.—**Brady, F. J., Jones, M. F., & Newton, W. L.** Effect of chlorination of water on viability of cysts of Endamoeba histolytica. War Med., Chic., 1943, **3:** 409–19.—**Brown, P. W.** Amebiasis. North Carolina M. J., 1944, **5:** 1–4.—**Cameron, J. A. M., & Collins, J. C.** Intestinal obstruction by amoebic granulomata. J. R. Army M. Corps, 1942, **79:** 140–2.—**Chang, Shih Lu.** Studies on Endamoeba histolytica; destruction of cysts of Endamoeba histolytica by a hypochlorite solution, chloramines in tap water and gaseous chlorine in tap water of varying degrees of pollution. War Med., Chic., 1944, **5:** 46–55.—**Chopra, R. N.** A drug indigenous to India for treatment of amoebic dysentery. Field M. Bull. U. S. Army, N. Delhi, 1942, **1:** 40.—**Coumel, Molinier** [et al.] Intérêt et enseignements de la rectoscopie dans l'amibiase. Bull. Soc. méd. mil. fr., 1949, **43:** 21–4.—**Coxon, R. V.** Some observations on amoebic dysentery. J. R. Army M. Corps, 1948, **91:** 243–56.—**Dickson, R. C., & Ross, M.** Amoebiasis in veterans. Canad. M. Ass. J., 1949, **61:** 13–8.—**Effect** (The) of ultraviolet radiation on cysts of Endamoeba histolytica. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 2.—**Gilje, L. E., & Lampson, R. S.** Acute appendicitis in amebic dysentery; report of a case. U. S. Nav. M. Bull., 1946, **46:** 109–11.—**Hauer, A.** Infektionskrankheiten; die wichtigsten Infektionskrankheiten, ihre Verhütung und Bekämpfung; Amöbenruhr. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 44–7. ——— Comments on the discussion on malaria and amebic dysentery. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 87.—**Hurst, A. F.** Amoebic dysentery. In his Med. Dis. War, 3. ed., Lond., 1943, 293–304, 2 pl.—**Intractable** intestinal amoebiasis. Bull. Army M. Dep., Lond., 1945, No. 43, 4.—**Johnson, H.** Chronic amoebic dysentery with hepatitis. Med. J. Australia, 1942, **1:** 706.—**Liebermann, H. R.** Carrier rate of intestinal parasites in the non-European staff of a military hospital in Natal, with special referenee to E. histolytica. S. Afr. M. J., 1945, **19:** 231–3.—**McCommons, D. M.** Nursing care of amebic dysentery. Med. Bull. U. S. First Army, 1949, **4:** No. 2, 22–8.—**Macfarlane, L. R. S.** Unusual aspects and therapy in amoebic dysentery. J. R. Army M. Corps, 1947, **89:** 223; 255.—**Palmer, E. D.** Military amebiasis; observations on the complete courses of forty cases, with results of treatment. Am. J. Trop. M., 1946, **26:** 543–57.—**Petrov, V.** Dizenteria amebnaia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 519–24.—**Poirot.** La dysentérie amibienne aux armées. Presse méd., 1940, **48:** 469–71.—**Rappaport, I.** Pathogenesis of intestinal amebiasis. Med. Bull. U. S. First Army, 1949, **4:** No. 9, 3–7.—**Remzi Tarakci** [Case of amoebic dysentery in a dog and report of similar cases] Askeri vet. mecmuasi, 1940, **18:** 284–96.—**Scaffidi, V.** I grandi parassitismi intestinali di entamebe a cisti tetranucleate. Gior. med. mil., 1947, **94:** 385–95.—**Terzani, A.** L'amebiasi dei soldati come problema di medicina civile. Boll. Accad. med. pistoiese, 1941, **14:** 241–3.—**Treatment** of amoebic dysentery. Bull. Army M. Dep., Lond., 1943, No. 21, 1; 1945, No. 51, 2.—**Walton, H. C. M.** The symptomless transient urinary carrier of enteric organisms among Egyptians. J. R. Army M. Corps, 1949, **93:** 298–303.—**Westphal.** Parasitology of amebic dysentery. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 105.—**Yosida, M., Itō, M.** [et al.] Sengo amoeba-sekiri no sūrei ni tuite [Various cases of postwar amebic dysentery] Iryo, 1950, **4:** No. 2, 11–3.

DYSENTERY carrier.

Getty, R. W., Clifton, F. [et al.] Treatment of bacillary dysentery carriers with sulfonamides. U. S. Nav. M. Bull., 1945, **45:** 914–8.—**Hoagland, R. J., Harris, F. H., & Raile, R. B.** Treatment of bacillary dysentery carriers. War Med., Chic., 1943, **4:** 400–3.—**Philbrook, F. R., Barnes, L. A.** [et al.] Prolonged laboratory observations on clinical cases and carriers of Shigella flexneri III following an epidemic. U. S. Nav. M. Bull., 1948, **48:** 405–14, tab.

DYSPEPSIA.

See also **Dental health,** Defects; **Diarrhea; Digestive system,** Disease; **Peptic ulcer.**

Brockbank, W. The dyspeptic soldier; a record of 931 consecutive cases. Lancet, Lond., 1942, **1:** 39–42.—**Bull, H. C. H.** The dyspeptic soldier. Ibid., 185.—**Chavasse, C. C. H.** Dyspepsia in the Army. Brit. M. J., 1941, **1:** 174.—**Conybeare, J. J.** Dyspepsia in the Royal Air Force. Guy's Hosp. Gaz., Lond., 1943, **57:** 188–90.—**Demole, M.** La manière de se comporter, au service militaire, vis-à-vis des dyspeptiques, conclusions de la Société de gastroentérologie. Schweiz. med. Wschr., 1942, **72:** 347.—**Dyspepsia.** J. R. Army M. Corps, 1942, **78:** 35.—**Dyspepsia** in the Army. Brit. M. J., 1940, **2:** 836.—**Dyspeptic** (The) soldier. East Afr. M. J., 1940–41, **17:** 475.—**Ferro-Luzzi, G.** Su alcune forme dispeptiche più comuni nei soldati. Gior. med. mil., 1930, **78:** 368–79.—**Gill, A. M., Berridge, F. R., & Jones, R. A.** Differential diagnosis of dyspepsia; analysis of 217 service cases. Lancet, Lond., 1942, **1:** 727–31.—**Gold, R. L.** Gastroscopic findings in patients with dyspepsia at an Army hospital. Gastroenterology, 1943, **1:** 254–7.—**Goldbloom, A. A., & Schildkrout, H.** Dyspepsia regimen; a method of rehabilitation. War Med., Chic., 1944, **6:** 24–6.—**Graham, J. G., & Kerr, J. D. O.** Digestive disorders in the forces. J. R. Army M. Corps, 1941, **76:** 330–8.—**Guyer, R. B.** The comparison of radiological and gastroscopic findings in 200 dyspeptic soldiers. Brit. J. Radiol., 1943, **16:** 241–6.—**Hill, L. C.** Dyspepsia in the Army. Lancet, Lond., 1943, **1:** 452–4.—**Hinds-Howell, C. A.** A review of dyspepsia in the Army. Brit. M. J., 1941, **2:** 473.—**Hobbs, G. E.** Dyspepsia in the Army; a study of the problem among the troops in M. D. No. 1. J. Canad. M. Serv., 1943–44, **1:** 417–28.—**Howell, T. H.** Anaemia with dyspepsia; a syndrome encountered in Indian troops. J. Trop. M. Hyg., Lond., 1947, **50:** 110–2.—**Hunt, T. C.** Dyspepsia in soldiers. Lancet, Lond., 1942, **2:** 323.—**Hurst, A.** Digestive disorders in soldiers. In his Med. Dis. War, 2. ed., Lond., 1941, 318–41; 3. ed., Lond., 1943, 169–92. Also Am. J. Digest. Dis., 1941, **8:** 321–3. ——— Dyspeptics in the Army. Lancet, Lond., 1941, **1:** 91. ——— Trastornos digestivos en los soldados. Rev. san. mil., B. Air., 1941, **40:** 935–41.—**Hutchison, J. H.** The incidence of dyspepsia in a military hospital. Brit. M. J., 1941, **2:** 78–81.—**Love, H. R.** Dyspeptic symptoms in soldiers. Med. J. Australia, 1943, **2:** 101–9.—**Mackay-Dick, J.** The periodic dyspepsia syndrome. J. R. Army M. Corps, 1948, **91:** 36–42.—**MacNab, G. R.** An analysis of 215 cases of dyspepsia where a barium meal was done. Ibid., 1943, **80:** 280.—**Maingot, R.** The dyspeptic soldier. Lancet, Lond., 1942, **1:** 124.—**Mills, W. G.** Abdominal hyperaesthesia in army dyspeptics. Brit. M. J., 1941, **1:** 315.—**Monges.** L'aptitude militaire des digestifs. Marseille méd., 1940, **77:** pt 1, 81–97.—**Montgomery, H., Schindler, R.** [et al.] Peptic ulcer, gastritis and psychoneurosis among naval personnel suffering from dyspepsia. J. Am. M. Ass., 1944, **125:** 890–4.—**Montgomery, R.** Dyspeptic conditions in the Army. J. R. Army M. Corps, 1942, **79:** 226–32.—**Mussen, R. W.** Vapours and dyspeptic feelings. J. R. Nav. M. Serv., 1942, **28:** 309–14.—**N., A. G.** Digestive disorders in the forces. Canad. M. Ass. J., 1941, **45:** 72.—**Nonulcer** dyspepsia in soldiers. Bull. U. S. Army M. Dep., 1946, **5:** 645.—**Payne, R. T., & Newman, C.** Interim report on dyspepsia in the Army. Brit. M. J., 1940, **2:** 819–21. ——— Dyspepsia in the Army. Ibid., 1941, **1:** 382. ——— Dyspeptics in the Army. Lancet, Lond., 1941, **1:** 193.—**Saffley, R.** The radiological investigation of dyspeptic soldiers. Brit. J. Radiol., 1941, **14:** 96–101.—**Schindler, R.** Chronic dyspepsia in the armed services. J. M. Soc. Co. N. York, 1942, **1:** No. 34, 4–6.—**Spira, J. J.** Dyspepsia in the Army. Brit. M. J., 1940, **2:** 915.—**Tidy, H. L.** Dyspepsia in the forces. J. R. Army M. Corps, 1941, **77:** 113–22. ——— Dyspepsia and peptic ulcer in the services. In Med. Annual, Lond., 1945, **63:** 100–3. ——— **Newman, C. E.** [et al.] Discussion on dyspepsia in the forces. Proc. R. Soc. M., Lond., 1940–41, **34:** 411–26.—**Tidy, H. L., Scadding, J. G.** [et al.] Dyspepsia in the forces. Lancet, Lond., 1941, **1:** 448–50.—**Wade, H. J.** Dyspepsia in the Royal Navy; study of 1003 consecutive cases. Ibid., 1942, **2:** 636–9.

EAR.

See also **Deafness; Medical examination; Surgical technic.**

Wing, K. G. Suggestions for working with celloidin; with special reference to the inner ear. l. 113–63. 28cm. N. Lond., 1949.

Forms Proj. NM 003 041 27 01 (or, No. 151, v. 8) Rep. U. S. Nav. M. Res. Laborat.

Kulikovsky, G. Ototopika (ous, otos) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 220–3.—**Poos, E. E.** The ear in aviation and warfare. Eye Ear &c. Month., 1941–42, **20:** 342.

—— artificial.

See **Ear mold;** also **Surgical technic,** Ear.

—— Disease.

See also such terms as **Aviator,** Ear, etc.; **Ear, nose and throat; Eye, ear, nose and throat.**

Conley, J. J. Analysis of 100 consecutive cases of aural disease in an Army general hospital. Arch. Otolar., Chic., 1943, **38:** 541–6. ——— Atresia of the external auditory canal occurring in military service; a report on the correction of this condition in ten cases. Ibid., 1946, **43:** 613–22.—**Lebensohn, J. E.** Impacted cerumen; incidence and management. U. S. Nav. M. Bull., 1943, **41:** 1071–5.—**Morris, S. J.** Diseases and injuries of the ears. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11:** pt 2, 767–78.—**Vieira Filho, O., & Barcelos, W.** Síndrome de Gradenigo; exposição de um caso. Rev. med. mil., Rio, 1949, **38:** 65–71.

—— Inflammation.

See also **Aero-otitis.**

CAMPBELL, P. A. The diagnosis and treatment of acute and chronic external otitis. 9p. 27cm. Wash., 1947.
Forms Techn. Bull TB 10–31, U. S. Veterans Admin.

SENTURIA, B. H. Sulfonamide therapy in the treatment of external otitis; local application. 9p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 186, U. S. Air Force School Aviat. M.

—— Aero-otitis externa. 3 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 317, U. S. Air Force School Aviat. M.

—— Penicillin therapy in external otitis. 11p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 247, U. S. Air Force School Aviat. M.

—— Etiology of external otitis. 15p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 349, U. S. Air Force School Aviat. M.

—— & Broh-Kahn, R. H. The use of streptomycin in the treatment of diffuse external otitis. 17p. 27cm. Randolph Field, 1947.
Forms Rep. No. 1, Proj. No. 486, U. S. Air Force School Aviat. M.

SENTURIA, B. H., & WOLF, F. T. The action of sulfonamides on fungi isolated from cases of otomycosis. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 212, U. S. Air Force School Aviat. M.

Ashley, P. External otitis in the tropics. U. S. Nav. M. Bull., 1946, **46**: 1230–6.—**Ballance, G. A.** External otitis. J. R. Nav. M. Serv., 1943, **29**: 255–8.—**Beach, E. W., & Hamilton, L. L.** Tropical otitis externa; ear fungus. U. S. Nav. M. Bull., 1945, **44**: 599–602.—**Castle, M. E., Buckles, D. L., & Acker, H. T.** A simple treatment for pseudomonas otitis externa. Bull. U. S. Army M. Dep., 1948, **8**: 559.—**Dean, G. O.** A treatment for otitis externa in the tropics. U. S. Nav. M. Bull., 1946, **46**: 1696.—**External** otitis in the tropics. Bull. U. S. Army M. Dep., 1946, **5**: 8.—**Gill, W. D.** Otomycosis; some remarks concerning its diagnosis and treatment. Mil. Surgeon, 1946, **99**: 192–6.—**Gordon, A. T.** Otitis externa. Bull. U. S. Army M. Dep., 1948, **8**: 245.—**Muzzio, J. C.** Laberintitis circunscripta o fístula del laberinto. Rev. san. mil. argent., 1947, **46**: 368–82.—**Quarles van Ufford, W. J.** Militair-hygiënische problemen in Indië; otitis externa. Ned. tschr. geneesk., 1947, **91**: 1310–2.—**Senturia, B. H.** Treatment of external otitis. Air Surgeon Bull., 1944, **1**: No. 3, 22–4.—**Studies** on the etiology of otitis externa, and on the in vitro effect of parachlorophenol and penicillin on the organisms involved. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 31.—**Sullivan, T., & Hersee, W. E.** Treatment of infections of the external ear canal in a tropical theater of war. J. Mil. M. Pacific, 1945, **1**: No. 3, 58–61.—**Zimmerman, H. A.** Preliminary report of the use of sulfadiazine bentonite solution in the treatment of external otitis. Mil. Surgeon, 1946, **98**: 426.

EAR injury.

See also **Deaf; Deafness; Gunfire; Head injury; Injury,** blast.

ALEXANDER, G., & URBANTSCHITSCH, E. Die Kriegsverletzungen und die Kriegskrankheiten des Gehörorganes. 136p. 27cm. Wien, 1920.

DOERLER, R. A. *Contribution à l'étude des blessures du massif auriculaire par coups de feu. 36p. 24cm. Par., 1939.

MÜNDNICH, K. Die Schussverletzungen des Ohres und der seitlichen Schädelbasis. 74p. 25cm. Lpz., 1944.

Armenio, O. A. I traumi dell'orecchio da arma da fuoco. Atti Clin. otolar. Napoli, 1939–41, **15**: 91–119.—**Baldenweck, L.** L'oreille et la guerre. Rev. laryng., Bord., 1940, **61**: 437; 473.—**Collier, D. J.** Ear injuries in air raids. Brit. M. J., 1940, **2**: 639. ——— Injuries to the ear in war time. Mod. Treatm. Yearb., Lond., 1943, **9**: 226–30.—**Escher, F.** Die Kriegsschäden des Ohres. Vjschr. schweiz. Sanitätsoff., 1944, **21**: 59–73.—**Greifenstein, A.** Kriegsverletzungen der Gehörorgane. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 221–8.—**Hagerman, F.** Karolinska Sjukhuset's material of aural shot injuries. Acta otolar., Stockh., 1944, **32**: 382–5.—**Hipskind, M. M.** War injuries to the auditory apparatus; clinical and audiometric observations. Laryngoscope, 1945, **55**: 678–705.—**Lydic, L. A.** Wartime ear injuries. J. Am. Osteopath. Ass., 1945–46, **45**: 321.—**Negus, V. E.** Injuries to the ear in war. In: Surg. Mod. Warfare (Bailey, H.) Edinb., 1940–41, 638–53; 2. ed., Balt., 1942, **2**: 785–800; 3. ed., Edinb., 1944, 760–75.—**Pencik, A. S.** Travmaticheskaia glukhonemota. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 42–8.—**Perwitzschky, R.** Die Kriegsverletzungen und -schädigungen des Gehörorgans; ihre Behandlung und ihre Prognose. Deut. Militärarzt, 1940, **5**: 446 (Abstr.)—**Preobraženskу, B. S.** Ognestrelnye ranenija naruźnogo ukha. In: Opyt sovct. med. v Velik. otеć. vojne, Moskva, 1950, **8**: 259–84, 2 pl.—**Schwartzberg, J. A.** Travmatićeskie povreźdenia lobnykh pazukh. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 24–6.—**Siirala, U.** Audiometrische Untersuchungen über Ohrenschäden im Kriege. Arch. Ohr. &c. Heilk., 1943–44, **153**: 228–37.—**Tanklevsky, G. A.** K voprosu ob opredelenii podlinnoi glukhoty. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 156–61.—**Teneff, S.** La ferite d'arma da fuoco dell'orecchio. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 689–93.—**Undric, V. F.** Ognestrelnye ranenija srednego i vnutrennego ukha. In: Opyt sovet. med. v Velik. otеć. vojne, Moskva, 1950, **8**: 285–327, 5 pl.—**Wells, W. A.** The danger to the hearing apparatus in modern warfare. Tr. Am. Lar. Rhin. Otol. Soc., 1941, **47**: 215–23. Also War Med. Sympos., N. Y., 1942, 133–42.—**Zimmerman, G. S.** Boevye povreźdenia ukha, narušenia funkcii slukhovogo nerva, soćetajuśćiesja s povreźdeniem ćerepa i mozga. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 7–9.

—— Blast injury.

See also **Gunfire; Injury,** blast.

Fantoni, M. Akustična trauma. Voj. san. pregl., Beogr., 1948, **5**: 450–2.—**Flodgren, E.** The habituation practices, a serious danger to the hearing organs of the soldiers. Acta otolar., Stockh., 1944, **32**: 376–82.—**Fox, S. L.** The effects on hearing of acoustic trauma in industry and war. South. M. J., 1943, **36**: 97–100.—**Gyulafalvy, T.** Robbanások által okozott hallószervsérülésekről. Orv. hetil., 1943, **87**: 423–5.—**Hofmann, L. v.** Schädigungen und Verletzungen des Ohres durch Explosionen und Detonationen. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 433–44.—**Linn, L., & Stein, M. H.** A psychiatric study of blast injuries of the ear. Med. Bull. North Afr. Theater U. S., 1944, **1**: 6. Also War Med., 1945, **8**: 32.—**Müller-Weitz, E.** Ueber Detonationsschäden am Gehörorgan. Deut. Militärarzt, 1944, **9**: 338–41.—**Perlman, H. B.** Acoustic trauma in war and in peace. Arch. Otolar., Chic., 1942, **35**: 834–6.—**Rüedi, L., & Furrer, W.** Entstehung und Verhütung von kriegsbedingten Schallschädigungen des Ohres. Vjschr. schweiz. Sanitätsoff., 1947, **24**: Spec. No., 43–51.—**Spak, V. M., & Slein, B. N.** Poslekontuzionnye rasstrojstva slukha i reći. Voen. med. J., Moskva, 1946, No. 4, 11–3.—**Udincev, V. N.** Vozduśnye kontuzii organov slukha. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 124–7.—**Vahdettin Ozan** [Injuries caused by detonations and the need for official warning] Askeri sihhiye mecmuasi, 1940, **69**: 1–8.

—— Deafness.

See also **Aviator,** Ear; **Deafness: Hearing, Rehabilitation; Hysteria; Noise.**

Defective hearing in the Army. Brit. M. J., 1941, **2**: 529.—**Guild, S. R.** War deafness and its prevention. Ann. Otol. Rhinol., 1941, **50**: 70–6.—**Howard, J. C.,** jr. Auditory impairment in returned service personnel. J. Missouri M. Ass., 1946, **43**: 762–5.—**Lederer, F. L.** Hearing loss in the Navy and Marine Corps; incidence, etiology, and statistical analysis. U. S. Nav. M. Bull., 1946, Suppl., 194–201.—**Manning, A. C.** America's reconstructed deafened soldiers. Jewish Deaf, N. Y., 1920, **6**: No. 2, 9–13.—**Moncada Nieto, L.** Ensayos sobre tres casos de sordera producida por onda explosiva. Rev. españ. med. cir. guerra, 1939, **2**: 105.—**Mühl, K.** Das Absehen bei Gehörgeschädigten und Ertaubten. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 551–66.—**Schmücker, K.** Gehörschädigungen durch Kriegseinflüsse. Jahrkurs. ärztl. Fortbild., 1940, **31**: H. 11, 23–6.—**Siirala, U.** War injuries to the ear and the hearing. Acta otolar., Stockh., 1948, Suppl. No. 74, 141–4.—**Soraluce, J.** Sordera de guerra. Med. & cir. guerra, 1949, **11**: 247–58.—**Ullmann, E. V.** Traumatic deafness in combat flyers. Arch. Otolar., Chic., 1944, **40**: 374–81.—**Vojaček, V. I.** Kontuzionnye poraženija s rasstrojstvami slukha i reći. In: Opyt sovet. med. v Velik. otеć. vojne, Moskva, 1950, **8**: 328–65.—**War** deafness; an annotated bibliography of material in the Volta Bureau files. Volta Rev., 1943, **45**: 27; passim.—**Weiss, J. A.** Deafness due to acoustic trauma in warfare; analysis of 72 cases. Ann. Otol. Rhinol., 1947, **56**: 175–86.—**Wit, G. de.** Professional deafness in the Naval staff. Acta otolar., Stockh., 1942, **30**: 373–82.

EAR mold.

ST JOHN, J. H. Plastic ear mold for communications equipment. 7 l. 29cm. Fort Knox, 1947.
Forms Proj. No. 57–5, U. S. Army M. Dep. Field Res. Laborat.
Also Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 11, 1–7, illust; App. D, Proj. 1, No. 8, 1, diagr.

Dietz, V. H. A new technical procedure in the fabrication of external prosthetic appliances. Mil. Surgeon, 1945, **96**: 293–303.—**Physiological** considerations in the use of plastic ear molds for communications equipment. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 9.—**Plastic** ear mold for communications equipment. Res. Program U. S. Army Med. Res. Bd, 1947, July, 105.—**Resnick, F. A., & Apter, B. F.** Fabrication of ear molds. U. S. Nav. M. Bull., 1946, Suppl., 226–31.

EAR, nose and throat.

See also **Otorhinolaryngology**; also such terms as **Altitude,** Ear, nose and throat; **Aviator,** Ear; **Eye, ear, nose, and throat.**

Preobrazensky, B. S. [et al.] Инструкция по лечению ранений уха, носа, горла и послеконтузионных расстройств слуха и речи. 33p. 21½cm. Moskva, 1944.

Forms No. 19, Sborn. instr. metod. mat. evakohosp.

Burns, S. S. Some unusual cases met with in ear, nose and throat service in a base hospital. Ann. Otol. Rhinol., 1919, **38**: 73–5.—**Hasslauer, W.** Ohren-, Nasen- und Halskrankheiten. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 179–208, illust.—**Simpson, R. R.** Notes on some common disorders of the ear, nose, and throat. J. R. Army M. Corps, 1942, **79**: 148–52.—**Valls, R.** Nursing aspects of ear, nose and throat diseases. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: 19.

—— Injury.

See also **Ear injury.**

Milovidov, S. I., & Preobrazensky, B. S. [et al.] Сборник научных работ по лечению огнестрельных повреждений уха, горла и носа. 76p. 22cm. Moskva, 1944.

Vojacek, V. I. [et al.] Хирургия. Разд. 5: Огнестрельные ранения и повреждения носа, горла и уха. 387p. 26½cm. Moskva, 1950.

Forms v.8, Opyt sovet. med. v Velik. oteč. vojne, Moskva.

Alekseev, D. T. [Injuries of the oto-rhinolaryngological organs during war time] Vest. otorinolar., 1941, No. 6, 48–53.—**Beikina, N. P.** Ognestrelnye ranenija glotki i šejnogo otdela piščevoda. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950, **8**: 102–38, 3 pl.—**Coates, G. M., & Miller, M. V.** War injuries of the ear, nose and throat. Med. Clin. N. America, 1941, **25**: 1653–76.—**Cohn, B.** Begutachtung von 1009 im Kriege entstandenen oder verschlimmerten Ohren-, Kehlkopf- und Nasenleiden. Mschr. Ohrenh., 1921, **55**: 516–30.—**Craig, D. H.** A report on the first 1000 cases which attended the ear, nose and throat department of a military hospital. J. R. Army M. Corps, 1941, **76**: 86–91.—**David de Sanson, R.** Traumatismos e ferimentos de guerra em oto-rinolaringologia. Rev. brasil. cir., 1943, **12**: 183–96.—**Di Lauro, E.** Casistica traumatologica e clinica di guerra. Valsalva, 1948, **24**: 189–94.—**Heindl, A.** Hals-, nasen- und ohrenärztliche Begutachtung Kriegsverletzter und kranker Soldaten. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 543–50.—**Horáček, M.** Serie válečných poranění ošetřovaných na pražské otolaryngologické klinice v r. 1945. Cas. lék. česk., 1945, **84**: 1525–7.—**Kessler W.** Versorgungsärztliche Erfahrungen; die Frage der Dienstbeschädigung bei Hals-, Nasen, und Ohrenleiden. Deut. Militärarzt, 1940, **5**: 286–92.—**Kulikovsky, G. G., & Svetlakov, M. I.** Obšćaja kharakteristika ranenij nosa, gorla i ukha i kontuzionnykh poraženij. In: Opyt sovet. med. v. Velik. oteč. vojne, Moskva, 1950, **8**: 22–46.—**Magalhães de Oliveira Barbosa, J.** Breves apontamentos a propósito da classificação, evacuação, e recuperação dos doentes e feridos do foro oto-rino-laringológico, em campanha. Bol. Dir. serv. saúde mil., 1943, **5**: 144–9.—**Preobraženskу, B. S.** Voprosy lečenija invalidov Velikoi otečestvennoi voiny s posledstvijami LORranenii i LORkontuzii v hospitaliakh NKZdrava SSSR. Vest. otorinolar., 1946, **8**: 3–7.—**Sellari Franceschini, A.** Contributo allo studio della traumatologia di guerra in otorinolaringoiatria. Otorinolar. ital., 1947, **15**: 63–73.—**Sviridova, A. E.** K statistike boevykh LORpovrezhdenij za vremia Velikoi otečestvennoj vojny. Vest. otorinolar., 1946, **8**: 11–5.—**Voiaček, V.** Kontuzija oto-rino-laringologičeskikh organov. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 37–40.—**Voss, O.** Die Kriegsverletzungen von Ohr, Nase und Hals. Med. Klin., Berl., 1939, **35**: 1589–91.—**Wolfsohn, S. I.** [Foreign bodies in gunshot wounds of the ear, throat, and nose] Feldsher, Moskva, 1943, No. 8, 12–4.

EAR plug [incl. protection]

See also **Explosion; Gunfire; Injury,** blast.

Campbell, P. A. The effect of wearing ear cotton upon hearing acuity [6] l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 10, U. S. Air Force School Aviat. M.

Ogden, F. W. Evaluation of ear plug effectiveness; preliminary report. 9 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 257, U. S. Air Force School Aviat. M.

—— Ear plug protection against noise and concussion of gunfire. 11p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 326, U. S. Air Force School Aviat. M.

Patt, H. M. Survey of hearing deficit in certain Marine Corps personnel and an evaluation of the effectiveness of the V–51R ear warden compared to the Knight-Dunbar modification thereof in protecting the ear against concussion blast. 2 Nos. 16, 33 l. 27cm. Camp Lejeune, 1945.

Forms Rep. No. 1 & 2, Res. Proj. X–488, U. S. Nav. M. Field Res. Laborat.

Peugnet, H. B., & Senturia, B. H. Evaluation of ear plug effectiveness. 8 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 2, Proj. No. 257, U. S. Air Force School Aviat. M.

United States. Armored Medical Research Laboratory. Project No. 12: Report on Project No. 12; Test of accousti-guard, ear protective device. v. p. 28cm. Fort Knox, 1943.

—— Project No. 26: Report on Project No. 26; Investigation of ear plugs for protection against gun blast. v. p. 28cm. Fort Knox, 1944.

—— Project No. T–12: Report on Project No. T–12; Test of ear protective devices, silents. v. p. 28cm. Fort Knox, 1945.

Cox, L. K., & Geller, J. W. Anticoncussion ear plugs; prevention of aural complications from gunnery concussion. U. S. Nav. M. Bull., 1944, **43**: 139–42.—**Flodgren, E.** Experiences from the experiments in ear protection in the Swedish Army August–October 1941. Acta otolar., Stockh., 1944, **32**: 385–97.—**Halm, T., & Jantsek, G.** Mechanikai hallászcsökkentés létesítése hangártalmak megelőzésére a hallójárat elzárásával. Honvédorvos, 1950, **2**: 699–701, illust.—**Loebell, H.** Verhütungen von Kriegsschäden am Gehörorgan. Med. Klin., Berl., 1942, **38**: 97.—**Nasiell, V.** Principles concerning the prophylaxis of aural injuries in the service. Acta otolar., Stockh., 1944, **32**: 509–26.—**New** ear protector adopted by Navy. J. Am. M. Ass., 1944, **125**: 1196.—**Senturia, B. H., & Peugnet, H. B.** Aero-otitis externa. Air Surgeon Bull., 1945, **2**: 108

EAR prosthesis.

See **Ear mold; Prosthetic service.**

EAST.

See related material under **Geopathology, World War II.**

EAST Africa.

For military medical references see **Wars and campaigns; World War I; World War II.**

EASTERN Europe.

See under **World War II.**

ECUADOR.

For related material see under **Surgery; Wars and campaigns.**

ECZEMA.

See also **Dermatosis.**

Carpenter, C. C., Nuckolls, C. R., & Dyke, J. S. Nummular eczema and prostatitis; its treatment with penicillin. U. S. Nav. M. Bull., 1947, **47**: 453–7.—**Dantas, O.** Modernas noções sôbre o eczema. Arq. brasil. med. nav., 1943, **4**: 347–58.—**Köhe.** Yara ve ekzama tedavisinde balik yağı tatbiki. Askeri vet. mecmuasi, 1941, **19**: 145 (Abstr.)—**Mützenmacher, M. A.**

[Paratraumatic eczema] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 288–91.—**Quéry, L. C.** Traitement des dermites en général, et en particulier des dermites eczémateuses accompagnant certaines blessures de guerre. Rev. path. comp., Par., 1917, 17: 156.—**Sefton, N.** Eczema úmido curado pelo hormônio masculino. Rev. med. mil., Rio, 1942, 31: 217.—**Vasconcellos, N. G.** Eczematisações. Arq. brasil. med. nav., 1948, 9: 1373–88.

EDEMA.

See also **Gas edema; Heart,** Disease.

Opizzi, J. La dieta en los cardiohépatorrenales crónicos con edemas. Rev. san. mil., B. Air., 1940, 39: 843–9.—**Rapoport, J.** Otek (oedema) In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 148–51.—**Rashba, J. E.** [Pathogenesis and clinical aspect of edema] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 539–46.

EDUCATION.

See also **Instruction; Instructor; School; Training.** For special education see such terms as **Aviator,** Education; **Prisoner of war,** Educational service; **Veteran,** Education.

Kabo, D. Ideologićeskaja obrabotka molodeži i soldat v Hitlerovskoj Germanii. 39p. 21½cm. Ashkhabad, 1942.

United States. Department of the Army. Education manual. Chic. [&c.] EM 29, 1946–

Akodus, J. Vseobšćee voennoe obućenie. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1049–51.—**Casarini, A.** La preparazione militare e guerriera nei dialoghi di Platone. Atti Accad. stor. arte san., 1940, S. 2, 6: 93–110.—**Education** for the military services. Rev. Sc. Instrum., 1942, 13: 307.—**Espy, H. G.** Guidance in the Armed Forces Institute. Occupations, 1943–44, 22: 169–73.—**Hawkins, T. H.** Education in the British Army. Nature, Lond., 1943, 151: 438–40.—**Janeček, K., & Petráček, J.** [Military education] Cas. lék. česk., 1938, 77: 296–300.—**Koike, M.** Gakkō ni okeru budō ni tuite no syutyō [A plea for the military arts in schools (fencing, jūdō, etc.)] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 369–72.—**Kyōiku** [Education] In: Dai Nippon Teikoku Rikugunsyō zyūni-kai tōkei nenpō (Japan. Rikugun-syō) Tōkyō, 1899, 151–249.—**Lloyd, C.** Education in the British Army. Nature, Lond., 1946, 158: 775; 821. ——— The present outlook in army education. Ibid., 1948, 161: 262.—**Moyle, R.** Refresher courses for service M. O.s. Brit. M. J., 1943, 2: 181.—**Rytz, E.** Gedanken eines Arztes zur militärischen Erziehung. Militärsanität, Zür., 1947, 29: 33–5.—**Sarfatti, G.** Un corso di pedagogia militare. Riv. psicol., 1921, 17: 167–70.—**Vagts, A.** War and the colleges. J. Am. Mil. Inst., 1940, 4: 67–75.—**Vigón, J.** Educación militar. Ejército, 1942, No. 26, 19–22.—**Wartime** mobilization of education. Occupations, 1941–42, 20: 459–61.—**Williams, G.** Education and recreation in the Army. Med. Times, N. Y., 1920, 48: 63.—**Witty, P. A., & Goldberg, S.** Evolution in education through Army experience. J. Educ. Psychol., 1944, 35: 338–46.

—— medical.

See also **Dental officer; Flight surgeon; Medical officer; Medical student; Military surgeon; Psychiatrist; School,** medical; **Veterinarian.**

War-time Graduate Medical Meetings. Bulletin. Phila., v.1, 1943–

Chesney, A. M. Some tenets of postgraduate medical education. Bull. U. S. Army M. Dep., 1948, 8: 585–91.—**Dougherty, E. C.** The military programme of medical education in the United States. S. Barth. Hosp. J., Lond., 1944–45, 48: 4–6.—**Fraser, P. K.** Postgraduate education in the services. Lancet, Lond., 1947, 1: 762.—**Larsell, O.** Current problems in relation to accelerated program for premedical and medical education. Northwest M., 1944, 43: 161–4.—**Lebedenko, V.** Training of medical personnel in U. S. S. R. before and during the present war. J. Am. M. Ass., 1943, 122: 449.—**Lueth, H. C.** Army refresher courses. Ibid., 1945, 129: 38.—**MacEwen, E. M.** The accelerated program in medicine. Fed. Bull., Chic., 1944, 30: 132–8. Also J. Ass. Am. M. Coll., 1944, 19: 139–43.—**McIntire, R. T.** Medical education from the standpoint of the Navy Medical Corps. J. Am. M. Ass., 1942, 119: 210.—**Medical** education and the war; a series of articles by Federal authorities responsible for medical service in connection with the war. Ibid., 1255–374.

—— medical—in war.

See also **Medical student.**

Akeroyd, J. H. Post graduate medicine at the University of Vienna Medical School. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, 2: No. 2, 25–30.—**Alexander, L.** The medical school curriculum in war-time Germany. CIOS Rep., Lond., 1945, Item 24, No. XXVII–71, 1–21.—**B., W. H.** The war and medical education. Ann. Int. M., 1943, 19: 1035–8.—**Balfour, D. C.** Graduate medical education and the war. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1943, 39. Congr., 12–5. Also Collect. Papers Mayo Clin. (1943) 1944, 35: 742–7.—**Burns, B. I.** War and medical education. Tristate M. J., 1942–43, 15: 2841.—**Carey, E. J.** Medical education in the present war. Illinois M. J., 1944, 85: 252.—**Diehl, H. S.** The role of medical education in the war. Fed. Bull., Chic., 1942, 28: 291–301. Also J. Am. M. Ass., 1942, 119: 213. Also J. Ass. Am. M. Coll., 1942, 17: 369–76. ——— Medical education and the Procurement and Assignment Service. Diplomate, 1943, 15: 159–64. Also J. Am. M. Ass., 1943, 121: 635–8. ——— & **West, M. D.** The procurement and assignment service and medical education. J. Ass. Am. M. Coll., 1943, 18: 15–33.—**Elliott, E. C.** Education and the war. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1943, 39. Congr., 4.—**Fitts, F. M.** Medical education in wartime. J. Ass. Am. M. Coll., 1945, 20: 93–7.—**Fritz, G. B.** Serious defects are seen in wartime medical training. Med. Econom., 1942–43, 20: No. 10, 65–7.—**Graduate** medical education in wartime. J. Am. M. Ass., 1942, 119: 1377.—**Graham, E. A.** Medical education; a war casualty. Washington Univ. M. Alumni Q., 1944–45, 8: 147–53.—**Hackel, J. P.** War as it affects medical education. Med. Rec., N. Y., 1942, 155: No. 4, 18.—**Halliday, W. R.** Medical education under air-raid conditions. Brit. M. J., 1940, 2: 685.—**Henry, D. D.** Changes and challenges in education today. J. Am. Diet. Ass., 1943, 19: 614.—**Johnson, V.** The significance of war-time acceleration in medical education. Diplomate, 1942, 14: 207–16.—**Kretschmer, H. L.** Medical education, the war, and you. Marquette M. Rev., 1944–45, 9: 1–8.—**Meakins, J. C.** The effect of the war on medical education in Canada. J. Am. M. Ass., 1942, 119: 209.—**Medical** education under air-raid conditions; position of the London schools. Brit. M. J., 1940, 2: 567.—**Medical** education under the air raids (London) J. Am. M. Ass., 1940, 115: 1902.—**Medical** education during the war. Med. Clarion, Manila, 1941, 7: No. 4, 3.—**Medical** education facilities fully meeting wartime needs. Bull. Chicago M. Soc., 1943–44, 46: 98.—**Medical** education and the war effort. J. Am. M. Ass., 1943, 121: 1396.—**Medical** education in war-time. Lancet, Lond., 1942, 1: 737. Also J. Am. M. Ass., 1943, 122: 1126.—**Medical** education in war time; emergency measures. Brit. M. J., 1939, 2: 1155–7.—**Miller, J. R.** Medical education and war. Illinois M. J., 1944, 85: 247–51.—**Musser, J. H.** War and medical education. J. Arkansas M. Soc., 1943–44, 40: 29–31. ——— The limitations of medical education in war time. N. Orleans M. & S. J., 1943–44, 96: 414–6.—**Peters, J. P.** Medical education in wartime. Interne, N. Y., 1943, 9: 149–51.—**Problems** of war-time medical education. Lancet, Lond., 1940, 2: 175.—**Rappleye, W. C.** Memorandum on medical education and defense. Fed. Bull., Chic., 1942, 28: 6. ——— The financial aspects of medical education in the war program. J. Ass. Am. M. Coll., 1944, 19: 43–5. ——— Effects to date of the wartime program of medical education. Ibid., 46–8.—**Reese, H. H.** Medical education. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 169–81, illust.—**Shikov, G. T.** [The work of the Novosibirsk Institute for post-graduate training of physicians during the present war] Sovet. zdravookhr., 1943, No. 3, 34–9.—**Sinclair, J. G.** Application of Army methods to civilian medical courses. J. Ass. Am. M. Coll., 1947, 22: 278.—**War** conditions emphasize the need of up-to-date medical knowledge. California West. M., 1942, 56: 57.—**Wilbur, R. L.** Some war aspects of medicine; report of the chairman of the Council on medical education and hospitals. J. Am. M. Ass., 1941, 116: 661–3.—**Wilbur** (Dr) comments. N. York State J. M., 1941, 41: 1237.—**Wilson, J. W.** Premedical education in war time. Rhode Island M. J., 1942, 25: 247–9.—**Wiskott, A.** Bericht über das Medizinstudium an der Universität München während des Krieges. CIOS Rep., Lond., 1945, Item 24, No. XXVII–71, 6–8.—**Zollinger, R. M., Reynolds, F. H. K.** [et al.] Medical education in Germany. Bull. U. S. Army M. Dep., 1945, 4: 540–4.

—— Role of medical officer.

Bonnet, E. F. P. La participation du médecin militaire à la formation morale et physique du soldat. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 239–43. Also Spanish tr., Rev. pub. nav., B. Air., 1948, 1: 293–9.—**Campana, A.** La participation du médecin militaire à la formation morale et physique du soldat. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 256–8.—**Chaidron.** Rôle du médecin militaire dans la formation physique et morale du soldat. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., 1: 178–86.—**Gecow, L.** Der Anteil des Militärarztes an der moralischen Bildung des Soldaten. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 237.—**Geuens.** Le rôle du médecin militaire dans la formation physique et morale du soldat. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., 1: 169–77.—**Meyrelles do Souto, A.** La participation du médecin militaire à la formation morale et physique du soldat. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 264.—**Pérez Sáenz de Miera, D.** La participación del médico militar en la formación moral y física del soldado. Ibid., 259.—**Petchot-Bacque.** La participation du médecin militaire dans la formation morale et physique du soldat. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., 1: 187–202.—**Puig Quero, M.** La participación del médico militar en la formación moral y física del

soldado. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 260–2.—**Sharp, A. C. R.** The role of the military doctor in the physical formation and moral of the soldier. Ibid., 244–50.—**Zamfir, D., & Supulescu, J. J.** La participation du médecin à la formation physique et morale du soldat. Ibid., 266.

—— **sanitary.**

See **Health education; Hospital service,** educational; **Prisoner of war,** Educational service.

E E G

See **Electroencephalography.**

EFFORT syndrome.

See under **Heart.**

EGG.

See also **Food; Food supply.**

Gordon, J. E. Food poisoning from powdered egg. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 2, No. 2, 15. ——— Food poisoning from powdered egg in the United States Army. Ibid., 18–20.—**Menges, R. W.** Inspection of dried whole eggs. Bull. U. S. Army M. Dep., 1945, **4:** 603–9.—**Payton, J.** The spray process for making whole egg powder. Ibid., 1943, No. 70, 71–85.—**Stateler, E. S.** Cooperative research solves Army egg-drying problems. Food Indust., 1945, **17:** 99, &c.—**Wendland,** The preservation of eggs. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 310.

EGYPT.

For references to this country see **Hospital report; Morbidity; World War II.**

EGYPTIAN campaign.

See **Wars and campaigns** (1798) **World War I; World War II.**

EIRE.

For reference see under **Venereal disease.**

EJECTION posture.

See under **Acceleration,** Tolerance.

EJECTION seat.

See **Aircraft,** Ejection seat.

ELBOW.

See under **Joint.**

ELECTRIC shock.

See **Injury,** electric.

ELECTRIC shock therapy.

See under **Therapeutics.**

ELECTRIC supply.

See with **Civilian defense,** Utilities.

ELECTRIC welding.

See also **Welder.**

Dreessen, W. C. J., Brinton, H. H. [et al.] Health of arc welders in steel ship construction; a survey made in cooperation with United States Maritime Commission and United States Navy. 200p. 23½cm. Wash., 1947.

Forms Pub. Health Bull. No. 298, U. S. Pub. Health Serv.

Trumper, M. Eye flash injuries from welding arc. 9p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–202, U. S. Nav. M. Res. Inst.

Benson, C. Treatment of photophthalmia following exposure to the rays of the welding arc. U. S. Nav. M. Bull., 1943, **41:** 737–43.—**Carter, T. J.** Electric welding; particularly eye hazards and protective measures. Ibid., 1939, **37:** 138–42.—Eye flash injuries from welding arc. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 12.—**Lo Schiavo, R.** Intossicazione acuta e cronica fra i saldatori elettrici. Ann. med. nav., Roma, 1943, **49:** 101–12.—**Sato, S.** [Eyesight of employees handling electric welding every day] Bull. Nav. M. Ass., Tokyo, 1941, **30:** 380–8.—**Tabuti, C., & Noda, K.** A case of cutaneous injury owing to the light of electric welding. Ibid., 1937, **26:** 9.

ELECTROCARDIOGRAPHY.

See also **Cardiology; Cold environment; Heart; Medical examination,** Cardiovascular system.

Ernsthausen, W., Wittern, W. W. v., & Reismann, K. The torsion ballistocardiograph. 36p. 27cm. Dayton, 1948.

Forms No. MCREXD–696–116A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Kossmann, C. E. Some limitations of the electrocardiogram in the physical examination for flying. 27p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 8, U. S. Air Force School Aviat. M.

United States. Army Medical School [Washington, D. C.] Clinical electrocardiography; basic course in clinical medicine, 1930–1931. 48 l. 27cm. Wash., 1930.

Forms No. 112, A. M. C. U. S. Army M. Center.

White, M. S. A device for obtaining electrocardiographic leads from the precordium. 11p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 9, U. S. Air Force School Aviat. M.

Benson, O. O., jr. The effect of decreased barometric pressure on the electrocardiogram. J. Aviat. M., 1940, **11:** 67–74.—**Calver, G. W.** An ink recording electrocardiograph. U. S. Nav. M. Bull., 1942, **40:** 351–3, pl.—**Care** of the electrocardiograph machine on shipboard. Bumed News Lett., Wash., 1944, **3:** No. 13, 18.—**Clagett, A. H.,** jr. Electrocardiographic changes involving the ST segment and T wave. Mil. Surgeon, 1943, **92:** 37–43.—**Dietzel.** Anregung zur Einführung einer (4.) Brustwandableitung der Herzstromkurve in den Lazaretten der Wehrmacht. Deut. Militärarzt, 1942, **7:** 377.—**Douglas, A. H. R.** Mechanism of T deflection in the precordial electrocardiogram. U. S. Nav. M. Bull., 1945, **45:** 647–52.—**Kayasima, K.** Die klinische und experimentelle Erforschung über das Elektrokardiogramm. Bull. Nav. M. Ass., Tokyo, 1940, **29:** 58.—**King, J. T., & Robb, G. P.** Common errors in electrocardiographic diagnosis. Bull. U. S. Army M. Dep., 1944, No. 82, 55–66.—**Maller, A.** Beiträge zur Beurteilung elektrokardiographischer Befunde bei wehrmachtärztlichen Untersuchungen. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 282–9.—**Risak, E.** Die Bedeutung der Herzstromkurve in der militärärztlichen Begutachtung. Deut. Militärarzt, 1941, **6:** 578–82.—**Schnur, S.** The value of limitations of the electrocardiogram. J. Aviat. M., 1942, **13:** 143–7.

ELECTROENCEPHALOGRAPHY.

See also **Anoxia,** Nervous system; **Aviator,** Electroencephalography; **Medical examination; Neurology,** Examination; **Neuropsychiatric examination.**

Prast, J. W. Short-wave artifacts in EEG records. 7p. 26½cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 507, U. S. Air Force School Aviat. M.

Schroeder, R. E. Prediction of flying ability from the electroencephalogram by the RCAF. 7 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 85, U. S. Air Force School Aviat. M.

Thorner, M. W. The reliability of the gross evaluation of electroencephalograms by technicians. 21p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 62, U. S. Air Force School Aviat. M.

——— Electroencephalograms in successful pilots and unsuccessful flying cadets. 11p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 72, U. S. Air Force School Aviat. M.

——— Davis' Analysis of relation of the electroencephalogram to flying. 4 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 94, U. S. Air Force School Aviat. M.

United States. Veterans Administration. Technical bulletin TB 10A–6: Courses of instruction for VA personnel in electroencephalography, and processing of applicants desiring to attend courses. 2p. 27cm. Wash., 1946.

—— Technical bulletin TB 10A–180: Courses of instruction in electro-encephalography for VA personnel, and processing of applicants desiring to attend courses. 2p. 27cm. Wash., 1949.

United States. War Department. Technical bulletin TB MED 74: Electroencephalography: operative technique and interpretation. 6p. 26cm. Wash., 1944.

Cohn, R., & Katzenelbogen, S. Electro-encephalographic studies. U. S. Nav. M. Bull., 1939, **37**: 596–9.—**Ferraro, D.** Attività elettrica del sistema nervoso centrale, e precisazioni sullo stato attuale della elettro-encefalografia transcranica. Ann. med. nav., Roma, 1939, **45**: 47–51.—**Gibbs, F. A.** Electroencephalography; principal patterns, diagnostic evaluation. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 681–96.—**Harty, J. E., Gibbs, E. L., & Gibbs, F. A.** Electroencephalographic study of 274 candidates for military service. Arch. Neur. Psychiat., Chic., 1942, **48**: 677–80. Also J. Nerv. Ment. Dis., 1942, **96**: 435–40. Also War Med., Chic., 1942, **2**: 923–30.—**McDaniel, F. L., Hines, C. G.** [et al.] The electroencephalogram in neurological diagnosis. U. S. Nav. M. Bull., 1942, **40**: 856–67.—**Mead, L. C.** Electrical activity of the brain. Research Rev. (U. S. Navy) 1949, June, 1–4.—**Pacella, B. L.** Use of electroencephalography in the war effort. Arch. Neur. Psychiat., Chic., 1943, **50**: 622–4.—**Prast, J. W.** EEG experimentation during physical activity. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 4. ——— Development of a method for automatically analyzing EEG's. Ibid., 7. ——— & **Barthomaeus, H. A.** Development of a method for automatically analyzing EEG's. Ibid., 1948, Apr., 11.—**Prast, J. W., & Blinn, K. A.** A system for remote electroencephalography. Ibid., Oct., 3; 1949, Jan., 8.—**Rossen, R.** A critical analysis obtained from 873 electroencephalographic examinations. U. S. Nav. M. Bull., 1947, **47**: 494–503.—**Schwab, R. S.** Use of electroencephalography in the Navy in wartime. Arch. Neur. Psychiat., Chic., 1943, **50**: 489–92. ——— The application of electro-encephalography in the Navy in war time. J. Nerv. Ment. Dis., 1943, **98**: 68–73. Also War Med., Chic., 1943, **4**: 404–9.—**Serota, H. M.** Applicability of the electroencephalogram (EEG) to military medical problems. Mil. Surgeon, 1940, **87**: 537–9.—**Silverman, D.** Electroencephalography in the Army general hospital. War Med., Chic., 1944, **5**: 163–8.—**Solomon, P., Harris, H. I.** [et al.] Electroencephalography in the selection of Naval recruits. U. S. Nav. M. Bull., 1943, **41**: 1310–7.—**Turner, W. J., & Roberts, C. S.** A year's experience with electroencephalography. Med. Bull. Veterans Admin., 1943–44, **20**: 239–45.

—— Apparatus and devices.

Bartholomaeus, H. A., Noell, W. K., & Prast, J. W. Modifications in technique of placement of needle electrodes in brain studies. 4p. 27cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. Rep. 21–02–047, U. S. Air Force School of Aviat. M.

Prast, J. W. Development of new preamplificrs for the existing electroencephalographs. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 5; Apr., 7.

ELECTROMAGNETIC waves.

See such terms as **Atomic energy; Illumination; Radiation gamma; Radiology; Vision,** etc.

ELECTROPHORESIS.

See **Neurology,** Therapeutics; **Physical therapy; Therapeutics,** Electrotherapy.

ELECTROSURGERY.

See under **Surgical technic.**

ELECTROTHERAPY.

See under **Therapeutics.**

EMBARKATION.

Felton, J. S. Army industrial medical program at a port of embarkation. Indust. M., 1945, **14**: 854–95.—**Fernandes Gião, M. R.** Notas sobre o funcionamento do Serviço de saúde em operações de desembarque de viva força. Bol. Dir. serv. saúde mil., 1938, 429–48.—**Lindeman, S. J. L.** Embarkation medical duties. J. R. Army M. Corps, 1936, **67**: 173–7.—**Port** of embarkation, Hoboken, New Jersey. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **4**: 253–342.—**Port** of embarkation, Newport News, Virginia. Ibid., 343–481.—**Rix, J. C.** A simple method of embarking and disembarking horses and mules. J. R. Army Vet. Corps, 1943–44, **15**: 68.—**Wuori, L. A.** Veterinary activities with animals at a port of embarkation. J. Am. Vet. M. Ass., 1945, **107**: 387–91.

EMBOLISM.

See **Altitude,** Aeroembolism; **Diver; Fat embolism.**

EMERGENCY.

See also subsequent headings; also **First aid; Flying; Hospital service,** emergency; **Surgery,** emergency.

Noce, C. Socórros de urgência em tempo de guerra. 159p. 21cm. S. Paulo, 1942.

Roberts, H. G. Emergency care, medical field service, as adapted for war action. 86p. 21½cm. Los Ang., 1943.

United States Army Air Forces. Jungle, desert, arctic emergencies. 149p. 14cm. n. p., 1943.

—— Jungle, desert, arctic, ocean emergencies. 174p. 14cm. n. p., 1943[?]

United States. Navy. Office of the Chief of Naval Operations. Aviation Training Division. How to survive on land and sea. 264p. 23½cm. Annap., 1943.

Emergency practice now possible without injury. Med. Bull. Continent. Air Command, 1949, **1**: 15.—**Larkworthy, T. C.** Surgery by a non-surgeon. J. R. Nav. M. Serv., 1941, **27**: 281–7.—**McDonald, S. F.** Military medical emergencies. Med. J. Australia, 1942, **1**: 576–9.

EMERGENCY kit.

See also **Kit.**

Bright, N. Water drop test of Kit, Emergency Rescue, Arctic Sled, 2-Man. 15p. 26½cm. Dayton, 1948.

Forms No. MCREXD–670–21K, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Description of Swedish Air Force survival kit for cold weather. 16p. 27cm. Dayton, 1949.

Forms No. MCREXD–670–20F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hanselman, N. K. Emergency survival equipment, Alaskan wet cold field test. 21p. 27cm. Dayton, 1950.

Forms No. MCREXD–670–20G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Air Force. Arctic, Desert and Tropic Information Center. Informational bulletin. Ser. A, No. 4: Army Air Forces emergency kits and equipment. 7p. 26½cm. Eglin Field, 1943.

Arctic survival kit developed. Techn. Data Digest, Dayton, 1950, **15**: No. 3, 10.—**Weekes, D. J.** New emergency kit for pilots. Hosp. Corps Q., 1945, **18**: 38.

EMERGENCY Maternal and Infant Care.

See under **Dependent.**

EMERGENCY medical field unit.

See also subsequent heading; also **First-aid post.**

United States. Federal Works Agency. First aid detachments for air raid protection. 10p. 18½cm. Wash., 1942.

United States. Office of Civilian Defense. Medical Division Bulletin No. 2: Equipment & operation of emergency medical field units. 16p. 27cm. Wash., 1941.

—— Notice [pertaining to] Care and maintenance of Mobile Medical Team and Casualty Station. 5 l. 27cm. Wash., 1943.

Buckman, L. T., Samuel, E. R., & Donaldson, W. F. From preparedness to actual defense; urgent call for weekly drills of

Emergency Medical Field Units; civilian defense. Pittsburgh M. Bull., 1940–41, **30**: 867.—**Civilian** defense activities in Ohio accelerated; need for local Emergency Medical Field Units emphasized. Ohio M. J., 1942, **38**: 65–8.—**Continuation** of OCD medical units. Ibid., 1944, **40**: 162.—**Emergency** Medical Field Units in action. Hosp. Counc. Bull., Chic., 1942, **5**: No. 3, 15–7.—**Equipment** for Emergency Medical Field Units. J. M. Soc. N. Jersey, 1942, **39**: 65.—**Equipment** and operation of emergency medical field units [OCD Medical Division Bull. No. 2] Hosp. Progr., 1941, **22**: 403–7. Also J. Am. M. Ass., 1941, **117**: 1790–4. Also J. Iowa M. Soc., 1942, **32**: 36–8. Also Med. Rec., N. Y., 1942, **155**: No. 2, 8–10.—**Miller, H.** The Alexian Brothers' Hospital Medical Field Unit. Hosp. Counc. Bull., Chic., 1942, **5**: No. 5, 15–9.—**Office** of Civilian Defense Medical Division defines duties of stretcher teams in emergency medical service. Bull. Chicago M. Soc., 1943–44, **46**: 52.—**P., S. B.** Our mobile unit. Nurs. Times, Lond., 1940, **36**: 941.—**Revised** instructions for Field Casualty and Ambulance Units of the Emergency Medical Service. California West. M., 1943, **58**: 27.

EMERGENCY medical service.

See also **Civilian defense; Hospital service,** emergency.

Texas, U. S. A. National Defense Committee on Health and Emergency Medical Care. Health and emergency service. 14p. 28cm. Austin, 1942.

United States. Office of Civilian Defense. Medical Division Bulletin No. 1: Emergency medical services for civilian defense. 10p. 26cm. Wash., 1941.

—— Medical division memorandum. Wash., No. 1, 1941–

Emergency medical service for civilian defense. J. Am. M. Ass., 1941, **117**: 793–6; 2170. Also J. Kansas M. Soc., 1941, **42**: 523–6. Also Med. Ann. District of Columbia, 1941, **10**: 409–12.—**Fineberg, M.** Medical communication. Week. Bull. S. Louis M. Soc., 1942–43, **37**: 262.—**Foard, F. T.** The medical aspects of Civilian Defense. J. Lancet, 1943, **63**: 316–9.—**Halverson, W. L.** National defense and disaster relief. Proc. Conf. Health Author. N. America, 1943, 58. meet., 50–65.—**How** to help. Southwest. M., 1942, **26**: 33.—**Hyde, H. V. Z.** Civil emergency service. Delaware M. J., 1942, **14**: 223–6.—**Jacobson, S.** Medical service and civilian defense. Med. Bull., N. Y., 1941–42, **7**: 85.—**Johnson, A. M.** Emergency medical services. Health Bur., Rochester, 1942, Oct., 2–4.—**Keller, W. S.** Emergency medical service of civilian defense. J. Indiana M. Ass., 1943, **36**: 16–21.—**Lambie, J. S.** Emergency medical service for catastrophies. Indust. M., 1942, **11**: 248–50.—**Mathews, G. F.** Address on emergency medical care. J. Oklahoma M. Ass., 1942, **35**: 27–9.—**Medical** (The) aspects of National Service. J. Am. M. Ass., 1939, **112**: 757.—**Reed, J. A.** Emergency medical service in operation. Med. Ann. District of Columbia, 1942, **11**: 32–4.—**Reggio, A. W.** Emergency medical service. J. Maine M. Ass., 1943, **34**: 147–50.—**Robinson, E. A.** Emergency medical services in war and after. Month. Bull. Bd. Health Indiana, 1943, **46**: 29.

—— Air raid casualty.

See also **Air raid; Evacuation**—of wounded; **Ship.**

Medical and sanitary care of the civilian population necessitated by attacks from hostile aircraft. 13 v. MS. n. p., 1940.

13 MSS. submitted in "The Sir Henry S. Wellcome competition, 1940," by various anonymous authors.

United States. Office of Civilian Defense. OCD publication 2214–1: Revised course outline; medical aspects of chemical warfare emergency medical services. 18p. 28cm. Wash., 1943.

Air raid assistance; the N. P. U. scheme. Pharm. J., Lond., 1940, **91**: 15.—**Air-raid** casualty services; the period of testing. Brit. M. J., 1940, **2**: 716.—**Bang, O.** Orientering vedrørende forskellige spørgsmaal indenfor luftvaernets sanitetsberedskab. Ugeskr. laeger, 1941, **103**: 1462–5.—**Blackmore, H. S.** Air raid precautions, with special reference to their medical aspects. Proc. R. Soc. M., Lond., 1936–37, **30**: 469–76.—**Booth, W. G., Potts, T. N. V.** [et al.] Discussion on health visitors and midwives in relation to air raid precautions. J. R. San. Inst., 1939–40, **60**: 160–74.—**Brittain, H. A., & Latter, K. A.** Reception of air raid casualties. Brit. M. J., 1940, **2**: 284–6.—**Casualty and health problems of air raids.** Pub. Health, Lond., 1940–41, **54**: 3.—**Conti.** Gesundheitsdienst bei Terrorangriffen. Deut. Aerztebl., 1943, **73**: 172.—**Cooper, E. L.** The preparation of casualtics for evacuation and means of transport of air raid casualties. Med. J Australia, 1939, **2**: 910.—**Creyghton, J.** [Medical problems caused by aerial warfare] Geneesk. gids, 1938, **16**: 492; 520; 549.—**Crome, L., Fished, R. E. W., & Shirlaw, G. B.** Casualty organization in air-raids. Lancet, Lond., 1939, **1**: 655–8.—**Deutschle, J.** How England provides efficient care for victims of aerial attack. Hosp. Management, 1941, **51**: No. 6, 17.—**Dispatch** (The) of emergency casualties among civilians. J. Am. M. Ass., 1942, **118**: 1455. Also Week. Bull. S. Louis M. Soc., 1941–42, **36**: 368.—**Distribution of air-raid casualties.** Brit. M. J., 1941, **1**: 518; 728.—**Eccles, W. M., & Densham, A. T.** The clearance of air raid casualties from aid posts. Ibid., 1940, **2**: 332.—**Emergency** medical service for civilian defense [OCD Medical Division Bull. No. 1] Hosp. Progr., 1941, **22**: 399–403.—**Experience** gained in regard to air raid casualty and hospital services. Pub. Health, Lond., 1940–41, **54**: 5.—**Hedener, B.** [Civilian air protection from the view-point of medical attendance] Sven. läk. tidn. 1938, **35**: 834–7.—**Hill, C.** London's casualty service. Hosp. Management, 1942, **53**: 8.—**Hockett, A. J., Pratt, O. G.** [et al.] Air raid casualtics. Hospitals, 1942, **16**: No. 2, 26–8.—**Holt, H. M.** Air raids; dealing with casualties at an incident. Brit. M. J., 1940, **2**: 611.—**Massey, A., Alderson, G. G., & Brockington, C. F.** Clearance of urban air-raid casualties at the perimeter. Ibid., 1941, **2**: 130.—**Medical** phase of air raid precautions [Budapest letter] J. Am. M. Ass., 1938, **111**: 1779.—**Mobilization** of the Emergency Medical Service on air raid alerts. Circ. M. Ser. U. S. Off. Civ. Defense, 1943, No. 33, 1. Also J. Am. M. Ass., 1943, **123**: 361.—**Preparations** for civilian air raid casualties. Ibid., 1939, **113**: 244.—**Rennie, J.** Some observations on recent air raids in Sheffield. Pub. Health, Lond., 1940–41, **54**: 109–11.—**Shirlaw, G. B.** C. E. P. Lancet, Lond., 1940, **2**: 599.—**Sinclair-Loutit, K.** Civilian casualty clearance in air-raids. S. Barth. Hosp. J., Lond., 1937–38, **45**: 271–6.—**Swan, W. A. M.** Rescue work after air raids. Brit. M. J., 1940, **2**: 506.—**Telbisz, A.** [Medical problems of air-raid protection] Orv. hetil., 1938, **82**: [mell.] 113–5.—**Transportation** for casualties. J. Am. M. Ass., 1943, **121**: 1226.—**Vallely, N. M.** Air raids: dealing with casualties at an incident. Brit. M. J., 1940, **2**: 498.—**What** to do in an air raid. Nassau M. News, 1942, **16**: No. 2, 1.—**White, M. S.** Medical problems of air warfare. Mil. Surgeon, 1945, **96**: 385–7.—**Williams, H.** Air raid medical administration in England. J. Am. M. Ass., 1942, **119**: 540–5.—**Wilson, W. L.** Medical and sanitary care of the civilian population necessitated by attacks from hostile aircraft. Army M. Bull., 1942, No. 60, 63–107.

—— First aid.

See also **First aid.**

Great Britain. Home Office. Treatment of casualties and decontamination of personnel. 15p. 8° Lond., 1935.

Forms No. 1, Air Raid Precaut. Memor. Gt Britain Home Off.

Great Britain. Ministry of Health. Emergency medical services instructions, Part 1: Medical treatment and special centres. 60p. 24½cm. Lond., 1941.

Baehr, G. Advanced first aid for civilian defense. Med. Div. Mem. U. S. Off. Civ. Defense, 1941, No. 1.—**Bradshaw, H. H.** Emergency management of civilian casualties resulting from warfare. In: Treat. Gen. Med. (Reimann, H. A.) Phila., 1943, progr. vol., 203–14.—**Canónico, A. N.** Comentarios acerca de la asistencia de los heridos ocasionados por el bombardeo sobre Londres. Bol. Inst. clín. quir., B. Air., 1941, **17**: 232–6.—**DeVoto, B.** Triangular bandages go on babies. Harpers Mag., 1942, Sept., 445–8.—**First** aid in an air raid. Westchester M. Bull., 1942, **10**: No. 5, 13.—**Illingworth, C. F. W.** Treatment of air raid casualties in Britain. What's New, North Chic., 1942, No. 59, 11 (Abstr.)—**Lee, J. R.** Experiences in the reception and treatment of air-raid casualties. Brit. M. J., 1941, **1**: 584–6.—**Linstead, H. N.** Treatment of air-raid casualties; payment of material used by chemists. Pharm. J., Lond., 1940, **90**: 373.—**Medical** services in air raids. J. Am. M. Ass., 1939, **112**: 254.—**Mitchiner, P. H., & Cowell, E. M.** The air raid; organisation of medical aid. Lancet, Lond., 1939, **1**: 41–4.—**Pasmore, H. S., & Williams, B.** Delay in treatment of air-raid casualties. Brit. M. J., 1941, **1**: 533.—**Peeters, H.** [Organization of medical aid after aerial attacks] Geneesk. gids, 1938, **16**: 465–78.—**Phillips, L.** Some practical points in the reception and treatment of air raid casualties. Med. J. Australia, 1942, **1**: 395–7.—**Pocock, R.** Air-raid precautions and first-aid treatment of bombed casualties. J. Am. Osteopath. Ass., 1941–42, **41**: 245.—**Popov, G. M.** [Methods in reconnoitering the territory for medical help during air-raids] Feldsher, Moskva, 1938, No. 10, 41–6.—**Qvist, G.** Reception and treatment of air raid casualties. Nurs. Times, Lond., 1942, **38**: 120–2.—**Reorganization** of scheme for treatment of air raid casualties [Great Britain] J. Am. M. Ass., 1939, **113**: 2435.—**Sharp, J. C.** Emergency medical defense in a combat zone. Med. Econom., 1941–42, **19**: No. 7, 42; 114.—**Sheen, A. W.** Where to treat the air raid casualty. Brit. M. J., 1940, **1**: 189.—**Shirlaw, G. B., Fisher, R. E. W., & Crome, L.** A. R. P. dressing stations. Med. Off., Lond., 1939, **61**: 117.—**Some** lessons of the raids. Pharm. J., Lond., 1940, **91**: 59.—**Stice, L.** Primeros auxilios en tiempo de guerra. Rev. méd., Puebla, 1943, **16**: No. 151, 20–32.—**White, N.** Delay in treatment of air-raid casualties. Brit. M. J., 1941, **1**: 459.

—— Hospitalization.

See also **Hospital service,** emergency.

UNITED STATES. CIVILIAN DEFENSE OFFICE. Release. Dec. 17, 1943: OCD announces increase in hospital pay rate for EMS patients in disaster. 1 l. 27cm. Wash., 1943.

Amendment to agreement regarding temporary hospitalization and medical care necessitated by enemy action to civilians. Circ. M. Ser. U. S. Off. Civ. Defense, 1943, No. 12, 1.—**Amersham** communiqué. S. Mary Hosp. Gaz., Lond., 1941, **47**: 83.—**Baehr, G.** Role of hospitals in emergency medical services. Hospitals, 1942, **16**: No. 3, 13–9. ——— Hospital service for civilian casualties. Hosp. Progr., 1942, **23**: 229–32. ——— Hospitals mobilize for the care of civilian casualties. Mod. Hosp., 1942, **58**: No. 4, 50–3. ——— British and American hospitals in civilian defense. Hosp. Progr., 1943, **24**: 255–7.—**Base** hospitals for civilians; a round-up of hospital news which also discusses the interne supply, training of nurses, open staffs, and plasma. Med. Econom., 1941–42, **19**: No. 8, 89–92.—**Belchor, G.** Rol de los hospitales de los Estados Unidos en los servicios médicos de emergencia para la defensa civil. Día méd., B. Air., 1943, **15**: 132–4.—**Cameron, D. H. W.** The E. M. S. hospital; its problems and progress. Med. Press & Circ., Lond., 1941, **205**: 285–7.—**Caring** for the civilian; Stratton Audley Park Auxiliary Hospital. Nurs. Times, Lond., 1941, **37**: 700.—**Cross, E. A.** Plan for hospitalizing civilians injured in enemy activity is announced. Mod. Hosp., 1942, **58**: No. 4, 108.—**De Courcy, J. L.** Hospital organization for home defense. Cincinnati J. M., 1942–43, **23**: 75–7.—**Emergency** hospital organisation and medical arrangements in connection with civilian evacuation. Annual Rep. Chief M. Off. Min. Health, Lond. (1938) 1939, 57–69.—**Emergency** Medical Service head centre at the Atkinson Morley Emergency Hospital. S. George Hosp. Gaz., Lond., 1943–44, **33**: 9.—**Enrollment** of hospital personnel in the U. S. Citizens Defense Corps. Circ. M. Ser. U. S. Off. Civ. Defense, 1943, No. 34, 1.—**Firth, S. J., & Park, H.** Reception of casualties in an Emergency Medical Service hospital. Brit. M. J., 1942, **2**: 491–3.—**Frazer, W. M.** Emergency organization of hospitals in Great Britain during the war. Hospitals, 1942, **16**: No. 12, 17–26.—**Galloway, R. L.** Experiences in an E. M. S. base hospital in the London area. Edinburgh M. J., 1942, **49**: 16–28.—**Government** to pay for hospitalization of civilians injured by enemy action. J. Am. M. Ass., 1942, **118**: 1374.—**Hirshovitz, B.** [Emergency hospitalization in Tel-Aviv] Harefuah, Tel Aviv, 1941, **20**: 39–42.—**Hoffman, C. S.** Complacency in war preparations greatest threat to hospitals; surveys being made to determine readiness of emergency medical services for raids. Hosp. Management, 1942, **54**: No. 4, 21.—**Hospital** accommodation for air raid casualties (Ministry of Health statement, September 22, 1938) Brit. M. J., 1938, **2**: 719.—**Hospital** accommodation for air raid casualties [London] J. Am. M. Ass., 1938, **111**: 856.—**Hospital** (The) and the defense program. Hosp. Counc. Bull., Chic., 1942, **5**: No. 3, 8–11.—**Hospital** organization for air raids. Med. J. Australia, 1942, **2**: Suppl., 9–12.—[**Hospital** reception of air-raid casualties] Geneesk. tschr. Ned. Indië, 1941, **81**: 136–9.—**Hospitals** and air-raids; organisation of a city casualty hospital. Lancet, Lond., 1941, **2**: 49–51.—**Hospitals** care for civilian casualties. Med. Ann. District of Columbia, 1942, **11**: 157.—**Hospitals** to be reimbursed for care of civilian casualties. Connecticut M. J., 1942, **6**: 354. Also Med. Times, N. Y., 1942, **70**: No. 5, 7. Also North Carolina M. J., 1942, **3**: 253.—**Houser, G. F.** Ready for raids. Mod. Hosp., 1942, **58**: 44.—**How** hospitals are preparing to meet air raid emergencies. Hosp. Management, 1942, **53**: No. 2, 30.—**Hunt, W. D.** Role of the hospital in civilian defense. Hospitals, 1942, **16**: No. 6, 28–30. Also Minnesota M., 1942, **25**: 542–4.—**Hyde, H. V. Z.** The hospital in civilian defense. J. M. Soc. N. Jersey, 1942, **39**: 12–4.—**Ivanov, P. P.** [Basic principles in the organization of air-raid defense in hospitals] Vrach. delo, 1941, **23**: 361–4.—**Lescher, F. G.** Hospital organization in the Emergency Medical Service. In: Surg. Mod. Warfare (Bailey, H.) Edinb., 1940–41, 798–812; 2. ed., Balt., 1942, **2**: 917–32; 3. ed., Edinb., 1944, 1019–37.—**Lethem, W. A.** War wounds and air raid casualties; organization of the emergency medical services; hospitals. Brit. M. J., 1939, **2**: 656–8.—**MacDonald, M.** The hospitals' work in air raids; Mr. MacDonald's tribute. Ibid., 1940, **2**: 466,—**Manion, R. J.** The program of air raid precaution and civilian passive defense. Hosp. Progr., 1943, **24**: 49.—**Mulvany, D. K.** Hospital organisation in air-raids. Irish J. M. Sc., 1941, 6. ser., No. 185, 186–95.—**Munger, C. W.** Civilian hospitals and the national defense. Tr. Am. Hosp. Ass., 1940, **42**: 970–4.—**Notes** from an air-raid hospital. Med. Press & Circ., Lond., 1940, **203**: 105.—**Nursing** executives for emergency base hospitals. N. England J. M., 1943, **228**: 267.—**Ord, A. G.** Organisation of a medium-sized hospital for air-raid casualties. Lancet, Lond., 1940, **2**: 283.—**Passim** [on medical preparedness of hospitals in air raids] Guy's Hosp. Gaz., Lond., 1939, **53**: 299.—**Plan** (A) for British hospitals. Lancet, Lond., 1939, **2**: 945–50.—**Plans** for hospitalization of civilians injured through enemy action is established; details outlined. Ohio M. J., 1942, **38**: 485.—**Pratt, O. G.** Hospital care of patient in civilian defense. Hospitals, 1942, **16**: No. 4, 23–8.—**Pritchard, W. H.** The University Hospitals and civilian defense. Clin. Bull. School M. West. Reserve Univ., 1943, **7**: 23–5.—**Rose, T. F.** The organization of a casualty clearing hospital for air raids. Med. J. Australia, 1942, **2**: 203–7.—**Rules** for affiliated hospital units of the Office of Civilian Defense. Science, 1943, **97**: 572.—**Sloan, R. P.** Ready for disaster; how one small eastern hospital has prepared. Mod. Hosp., 1942, **58**: No. 4, 47–9.—**Temporary** hospitalization for civilians injured as result of enemy action. J. Am. M. Ass., 1942, **118**: 983.—**Temporary** hospitalization and medical care necessitated by enemy action to civilians. Hosp. Progr., 1942, **23**: 95–8.—**Underground** (An) emergency hospital for air-raid casualties. Lancet, Lond., 1941, **2**: 494–6, plan.—**What** British hospital does when air raid sirens wail; use of trained attendants instead of interns on ambulances criticised in Olsen Committee report. Hosp. Management, 1942, **53**: No. 2, 28.—**Wulp, G. A.** Hospitalization. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 182–228, illust.

—— Nursing.

Appointment of a Nurse Deputy to the Chief of Emergency Medical Service. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 13.—**Year** (A) of air-raids. Nurs. Times, Lond., 1938, **34**: 1027.

—— Organization and planning.

See also **Civilian defense.**

MITCHINER, P. H., & COWELL, E. M. Medical organisation and surgical practice in air raids. 247p. 20½cm. Lond., 1939.

UNITED STATES. OFFICE OF CIVILIAN DEFENSE. Volunteers in health, medical care and nursing. 11p. 27cm. Wash., 1942.

In: Planning Guides [&c] (U. S. Off. Civilian Defense, Training Sect.) 1942.

—— Organizing emergency welfare service in your community. 22p. 27cm. Wash., 1943.

—— MEDICAL DIVISION. Bulletin No. 4: Central control and administration of emergency medical service. 14p. 27cm. Wash., 1942 [?]

—— Bulletin No. 7: Emergency medical service in industrial plants. 12p. 27cm. Wash., 1943.

WILSON, W. L. Civilian organization for health in time of war. 11p. 27cm. Wash., 1948.

—— Integration of administration of medical care for the civilian population in total war. 5 l. 27cm. Wash., 1948.

—— Medical plans for civil defense and disaster; with particular attention to local planning with or without national plans. 16 l. 27cm. Wash., 1949.

—— Medical plans for civil defense and disaster relief. 13 l. 28cm. Wash., 1950.

Also U. S. Armed Forces M. J., 1950, **1**: 462–75.

Anglade. Uno de los aspectos de la organización médico-quirúrgica de la defensa pasiva; el puesto de auxilio bajo abrigo (apreciaciones prácticas) Monde méd. (Ed. españ.) 1941, **51**: 111–6.—**Baehr, G.** Relationship of Emergency Medical Service to control centers. Med. Div. Mem. U. S. Off. Civ. Defense, 1941, No. 6.—**Bentall, W. C.** The medical organization of air raid precautions. Practitioner, Lond., 1937, **139**: 131–48.—**Bradley, F. R.** The emergency medical services of civilian protection. Week. Bull. S. Louis M. Soc., 1941–42, **36**: 259–70.—**Central** control and administration of emergency medical service. J. Am. M. Ass., 1942, **119**: 185–93.—**Chievitz, O.** Om bombeskader. Ugeskr. laeger, 1943, **105**: 1317–21.—**Civilian** medical defense; Medical Advisory Board of OCD in joint meeting with Regional Medical Officers, Washington, Dec. 8–9. Mil. Surgeon, 1942, **90**: 339.—**Conservation** of dealers' stocks of medical and surgical supplies. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 16.—**Decharneux, G.** La coordination des activités médicales pour la protection de la santé des populations civiles en temps de guerre. Bruxelles méd., 1938–39, **19**: 1497–506.—**Emergency** medical service for war plants. J. Am. M. Ass., 1943, **122**: 751.—**Gill, C.** Organization of Emergency Medical Service on state level. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 8.—**Health** and medical committees urged to assist with war-time health problems. J. Am. M. Ass., 1943, **123**: 911.—**Johnson, A. M.** Plans for emergency medical services. Health Bur., Rochester, 1942, Feb., 2–4.—**Kohn, F., & Hall, M. H.** Sending assistance to bombed towns. Brit. M. J., 1942, **2**: 650.—**LaCroix, J. R.** Lessons from the blitz. Canad. M. Ass. J., 1942, **47**: 112–6.—**Landis, J. M.** Scope and administration of Emergency Welfare Service of U. S. Citizens Defense Corps. Operat. Letter U. S. Off. Civ. Defense, 1942, No. 101, 1–6.—**Lueth, H. C.** Cuidados médicos y sanitarios de la población civil en caso de ataques aéreos. Rev. san. mil., Habana, 1941, **5**: 111–29.—**Mackintosh, J.** This may happen here. Connecticut M. J., 1942, **6**: 212–6.—**Martin, J. F.** Plans for civilian medical care lag in face of atom war. Med. Econom., 1947–48, **25**: No. 5, 53–9.—**Medical** plan

for civilian defense. Hosp. Topics, 1942, **20**: 16–20.—**Medical** preparedness in the grass roots. South. M. & S., 1942, **104**: 398–400.—**Medical** and Surgical Relief Committee of America. Johns Hopkins Nurs. Alumnae Mag., 1942, **41**: 10.—**Nava, P.** Sugestões para a organização de guerra dos serviços de pronto socorro da Secretaria geral de saúde e assistência. Rev. méd. mun., Rio, 1942, **4**: 285–92.—**Organization** of medical and public health activities for civilian defense. Month. Bull. Maryland Dep. Health, 1941–42, **13**: 101–3.—**Organized** medicine in civilian defense. Bull. Los Angeles Co. M. Ass., 1942, **72**: 55.—**Reggio, A. W.** Civilian medical defense and its adaptation to peacetime civil life. N. England J. M., 1943, **229**: 667–70.—**Relation** of Emergency Medical Services to industrial plants. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 14, Suppl. 1.—**Saladrigas, E., Hill, R. B.** [et al.] Informe oficial del Instituto Finlay al Sr. Ministro de defensa sobre los problemas sanitarios de la defensa civil. Salub. asist. social, Habana, 1942, **45**: 32–8.—**Seeley, C.** Organization of the emergency medical services. Brit. M. J., 1939, **2**: 697–9.—**Services** for the care of civilian casualties. N. England J. M., 1942, **226**: 69.—**Schohe.** Gedanken zur Taktik des Selbstschutzeinsatzes. Gasschutz & Luftschutz, 1943, **13**: 181–6.—**Uniform** plan of therapy in civilian defense. J. Iowa M. Soc., 1942, **32**: 265.—**Wilander, O.** Några synpunkter på luftskyddsåtgärder vid sjukhus. In: Handledn. & Forsvarsmed., Stockh., 1940, **1**: 178–85.—**Wilson, W. L.** Medical aspects of government services in time of national emergency. Bull. U. S. Army M. Dep., 1948, **8**: 493–8. ——— Civil defense planning. Ibid., 1949, **9**: 880–9.

—— Physician.

Imami, S. Le corps médical en face du péril aéro-chimique. 85p. 8° Par., 1935.

United States. War Information Office & Civilian Defense Office [Affiliated units of civilian physicians] 4p. 28cm. Wash., 1943.

Additional duties of local Chiefs of Emergency Medical Service. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 15.—**Air** raid precautions and the medical profession. Brit. M. J. 1936, **2**: 239.—**Armstrong, G. E.** Medical cooperation in civil defense. Mil. Surgeon, 1948, **102**: 335–8.—**Baehr, G.** Duties of the local Chief of Emergency Medical Services. Med. Div. Mem. U. S. Off. Civ. Defense, 1941, No. 3. Also Rhode Island M. J., 1941, **24**: 228. Also N. Orleans M. & S. J., 1941–42, **94**: 305. ——— The doctor and the hospital in civilian defense. Bull. Am. Coll. Surgeons, 1942, **27**: 154–8. ——— The interne in civilian defense. Interne, N. Y., 1942, **8**: 78, &c. ——— Functions recommended for State Hospital Officer. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 9, 1–3.—**Brauns, W.** Der Betriebsarzt im Werkluftschutz. Med. Welt, 1938, **12**: 1825–7.—**Canadian** and American doctors for the E. M. S. Lancet, Lond., 1940, **2**: 398.—**Civilian** defense; duties of the local chief of emergency medical service. N. England J. M., 1941, **225**: 994.—**Civilian** physicians in Office of Civilian Defense and the U. S. Public Health Service; affiliated units to give Army temporary local assistance in military emergencies. Hospitals, 1943, **17**: No. 5, 31–4. Also J. Am. M. Ass., 1943, **122**: 44.—**Doctor** (The) and civilian defense. Texas J. M., 1941–42, **37**: 643–6.—**Doctors'** duties in air raids. Brit. M. J., 1940, **2**: 35.—**Doctors** in time of war; scales of pay for a national emergency medical service. Ibid., 1939, **2**: 238.—**Duties** of the local chief of emergency medical services. J. Missouri M. Ass., 1941, **38**: 416.—**G. P.** (The) in air-raids. Lancet, Lond., 1940, **1**: 1183.—**General** practitioners and A. R. P. services. Ibid., 1941, **1**: 21.—**Gliddon, W. O.** Air raid precautions and the doctor. Nat. Health Rev., Ottawa, 1942, **10**: 109–12.—**Gordon, D.** The medical profession and the civilian defense plan. J. Am. M. Ass., 1941, **117**: 1021.—**Gorrsline, R. M.** The need for medical officers by the defence services. Canad. M. Ass. J., 1942, **46**: 69.—**Green-Armytage, V. B.** Emergency medical service. Lancet, Lond., 1942, **1**: 27.—**Hackney, J. F.** The doctor's role in civilian defense. Bull. Fulton Co. M. Soc., 1942, **16**: No. 5, 7.—**Keller, W. S.** The physician and the war in relation to the Office of Civilian Defense. J. Pediat., S. Louis, 1942, **20**: 777–81.—**L., M.** La guerre aéro-chimique et la protection des populations civiles; le rôle du corps médical. Schweiz. Aerzteztg, 1935, **16**: 531–9.—**Martin.** Was hat der kraftfahrende Arzt bei Fliegeralarm zu beachten? Zschr. ärztl. Fortbild., 1939, **36**: 605.—**Medical** preparedness for civilian defense. Week. Roster, Phila., 1941–42, **37**: 1189.—**Mudd, J. L.** Duties of medical incident officers. Week. Bull. S. Louis M. Soc., 1942–43, **37**: 264.—**Muntsch, O.** Die Bedeutung der ärztlichen Mitwirkung im Gasschutz- und Luftschutzdienst. Fortsch. Med., 1934, **52**: 333–5.—**Nixon, J. A.** Duties of doctors in air raids. Brit. M. J., 1940, **2**: suppl., 9.—**Osincup, G. S.** The role of the physician in defense. J. Florida M. Ass., 1941–42, **28**: 475–7.—**Phillips, A., Murnane, P. J.** [et al.] The practitioner's place in A. R. P. Lancet, Lond., 1941, **1**: 362.—**Physicians** and air raid precautions [Great Britain] J. Am. M. Ass., 1936, **107**: 1730.—**Physicians'** work in air raids [Great Britain] Ibid., 1941, **116**: 1980.—**Poer, D. H.** Doctors in the civilian defense program. Bull. Fulton Co. M. Soc., Atlanta, 1942, **16**: No. 15, 12.—**Protection** of physicians in air raids. J. Am. M. Ass., 1939, **112**: 1400.—**Roe, G. C. F.** Equipment of air-raid incident doctors. Brit. M. J., 1941, **2**: Suppl., 47.—**Rosmann, H. K.** Medical personnel. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 159–68, map.—**Schriver, L. H.** The Medical Corps of Civilian Defense. Cincinnati J. M., 1942–43, **23**: 303.—**State** civilian defense medical officials commissioned in public health service. J. Am. M. Ass., 1942, **119**: 1030.—**Wulp, G. A.** The general practitioner. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed. Wash., 1947, 166–8.

—— Public health aspect.

Wilson, W. L. Public health approach to civil defense. 18 l. 32cm. Wash., 1950.

Air raids and the public health. Med. Off., Lond., 1941, **66**: 208.—**Blackmore, H. S.** The rôle of the health department in carrying out the air raid precautions regulations. J. R. San. Inst., 1936–37, **57**: 593–601.—**Bruère, P.,** & **Lerich, N.** Principaux problèmes d'hygiène posés par la protection collective contre les attaques aériennes. Ann. falsif.. Par., 1937, **30**: 257.—**Burr, C. J.** The role of the health department in air raid precautions organization. J. R. San. Inst., 1939–40, **60**: 66–70.—**Clay, H. H.** Conservancy sanitation; its adaptation to modern requirements, with special reference to problems connected with air raid precautions. Ibid., 128–38.—**Fontes Peixoto, G. J.** Articulação do Serviço de Saúde com a defesa passiva da população. Rev. med. cir. Brasil, 1942, **50**: No. espec., 180–7.—**Habernoll, A.** Stellung und Aufgaben des Gesundheitsamts im Luftschutzsanitätsdienst. Oeff. Gesundhdienst, 1938–39, **4**: A, 563–7.—**Haralson, M. F.** Health department services in war emergency. Hawaii M. J., 1941–42, **1**: 175.—**Hay, C. P.** The public health department and air raid precautions. Med. Off., Lond., 1938, **60**: 41–3.—**Health** (The) aspects of civil defense. Tr. Conf. State Terr. Health Off., 1940, Spec., 131–5.—**Health** department functions in civilian protection. Am. J. Pub. Health, 1943, **33**: 1028.—**Health** workers and sanitation in emergencies. J. M. Ass. Alabama, 1942–43, **12**: 64.—**[Hungary]** [Order No. 39,302–1939. Ip. M. for sanitary air-protection supply of the civilian population] Népegészségügy, 1940, **21**: 122.—**La Guardia, F. H.** Health and civilian defense. Med. Ann. District of Columbia, 1941, **10**: 419–24.—**Massey, A.,** & **Martin, W. R.** Air raids and the sanitation problem. J. R. San. Inst., 1940–41, **61**: 141–3.—**Peeters, H.** [General hygienic aspect of air-raids] Geneesk. gids, 1936, **14**: 739; 765.—**Public** health aspects of intensive air raids on a built-up area. Pub. Health, Lond., 1942–43, **56**: 7.—**Pyro, V.** Kus historie zdravotní služby protiletecké policie za války. Cas. lék. česk., 1946, **85**: 1267–9.—**Rôle** (Le) du service de santé dans la protection de la population civile contre la guerre aérienne. Arch. méd. belges, 1936, **89**: Bull. internat., 234–9.—**Rosenthal, G.** Problèmes d'hygiène posés par la protection collective contre les attaques aériennes. Bull. Soc. méd., Paris, 1937, 322.—**Sanderson, C. E.** The functioning of the Health Department at Plymouth following heavy raids. J. R. San. Inst., 1942, **62**: 117–22.—**Siméon, A.** L'organisation sanitaire contre les bombardements aériens. Bull. Acad. méd., Par., 1943, **127**: 434–9.—**Tarbett, R. E.** Emergency sanitation procedures. Am. J. Nurs., 1942, **42**: 865.—**Turnbull, J. J.** Health phases of civilian defense. Pittsburgh M. Bull., 1940–41, **30**: 747–50.—**Underwood, F. J.** Medicine and public health in civilian defense. Mississippi Doctor, 1942–43, **20**: 299–302.—**V., F.** Hygiene im Luftbombardement Londons. Schweiz. med. Wschr., 1941, **71**: 845.—**Van Volkenburgh, V. A.** Symposium on medical problems in national defense; from the viewpoint of the State health department. N. York State J. M., 1941, **41**: 1158–63.

—— rural.

Hill, F. T. Emergency medical service for a small city. N. England J. M., 1942, **227**: 662–4.—**Popov, G. M.** [Management of mass medical work in villages following air raids] Feldsher, Moskva, 1938, No. 3, 48–53. Also Sovet. med., 1938, No. 23, 39–41.—**Stearns, K. D.** Civilian medical defense in a small city. Med. Econom., 1941–42, **19**: No. 5, 40–3.

—— Shelter service.

See also **Shelter.**

Aid posts in air-raid shelters. Pharm. J., Lond., 1940, **91**: 147.—**Aid** posts in air-raid shelters; Lord Horder's recommendations. Ibid., 165.—**Central** shelter sick bay for City of London. Brit. M. J., 1941, **2**: 352.—**Closing** of medical posts in London's air raid shelters. J. Am. M. Ass., 1942, **119**: 897.—**Medical** notes in Parliament; sick bays in shelters. Brit. M. J., 1940, **2**: 617.—**Pharmacists** and the shelter problem. Pharm. J., Lond., 1940, **91**: 141.—**Shelter** service. Nurs. Times, Lond., 1941, **37**: 205.

—— Surgical service.

See also **Emergency medical field unit.**

Bailey, K. V. The emergency surgical station. Brit. M. J., 1942, **1**: 474.—**Dixon, C. W.** A mobile surgical unit for air raid precautions purposes. Med. Off., Lond., 1938, **60**: 241.—**Entin, N. A.** [Contribution au travail chirurgique pendant la défense antiaérienne d'une localité habitée] Khirurgia, Moskva, 1941, No. 2, 38–41.—**Haberer, H. v.** Einsatz der Chirurgen bei Luftangriffen. Wien. klin. Wschr., 1944, **57**: 188–92.—**Howitt, H. G.** Mobile surgeries for bombed areas. Brit. M. J.,

1941, 2: No. 4216, 83.—**Illingworth, C. F. W.** Surgical organisation in air raids. Edinburgh M. J., 1941, 48: 793–8.—**MacDonald, M.** Mobile surgical units. Brit. M. J., 1940, 2: 271.

—— Training.

GREAT BRITAIN. HOME OFFICE. AIR RAID PRECAUTIONS DEPARTMENT. Air raid precautions handbook No. 10: The training and work of first aid parties. 52p. 24½cm. Lond., 1939.

SHIRLAW, G. B. Casualty training, organisation and administration of civil defence casualty services. 283p. 22½cm. Lond., 1940.
Bibliogr. on A. R. P.: p.271–8.

Emergency medical services featured in new sound motion picture. Health News, Albany, 1942, 19: 141.—**Emergency** Medical Service Training School. Chin. M. J., 1942, 60: 84–6; 1944, 62: 99–105.—**Kortenhaus, F.** Ueber die Unterweisung der Zivilbevölkerung in der ersten Hilfeleistung im Luftschutz. Münch. med. Wschr., 1935, 82: 412.—**Revised** instructions for field casualty and ambulance units of Emergency Medical Service. J. Am. M. Ass., 1942, 120: 1222. Also Southwest. M., 1943, 27: 43–5.

—— by countries [and localities]

Baehr, G. Organization of emergency medical service in New York. N. York State J. M., 1942, 42: 551–5.—**Barron, J. L.** Health Department defense measures in Nassau County, N. Y. J. Am. Water Works Ass., 1941, 33: 701–4.—**Beelman, F. C.** Medical defense in Kansas. J. Kansas M. Soc., 1942, 43: 412–4.—**Bourdon, C. A.** Les centres de triage des blessés et les hôpitaux dans l'organisation du Comité de protection civil à Montréal. Union méd. Canada, 1943, 72: 682–5.—**Civilian** medical defense in New Jersey. J. M. Soc. N. Jersey, 1942, 39: 9–12.—**Colt, R. M.** National Defense Council at Gloversville, N. Y. J. Am. Water Works Ass., 1941, 33: 1869–74.—**Costa Mandry, O.** Control and administration of emergency medical services in civilian defense of the Island of Puerto Rico. Bol. As. méd. Puerto Rico, 1942, 34: 314–27.—**Coulter, J. S.** El hospital y el médico en la defensa civil de los Estados Unidos de Norte América. Rev. radiol. fisioter., Chic., 1943, 10: 1–5.—**Croulx, A.** Air raid precautions in Montreal and the health officer. Canad. Pub. Health J., 1942, 33: 532–40.—**Cutler, E. C.** Civilian medical defense in Massachusetts. N. England J. M., 1942, 227: 7–10.—**Davies, W. R.** Civilian medical defense for Lackawanna County. Med. Soc. Rep., Scranton, 1942, 36: No. 6, 9–13.—**Denisov, N. S.** [Future problems of the medical-sanitary service of local anti-aircraft defense] Sovet. zdravookhr., 1943, No. 6, 16–24. ——— [Medico-sanitary service of local civilian defense organizations during the present war] Ibid., 1944, No. 7, 14–23.—**Emergency** medical service in Westchester. Westchester M. Bull., 1943, 11: No. 5, 9.—**German, W. J.,** & **Smith, G. M.** The organization and function of the Emergency Medical Service in Connecticut. Connecticut M. J., 1942, 6: 514–21. Also in Essent. Emerg. Tr. (Connecticut M. J.) N. Haven, 1942, 3–12.—**Groulx, A.** A. R. P. in Montreal and the health officer. Bull. hyg. Montréal, 1942, 28: No. 3, 1–19.—**Hauss, A. P.** How Floyd County Emergency Medical Service has been developed. J. Indiana M. Ass., 1942, 35: 642–7.—**Howlett, G. P.** The Civilian Casualty Service. Canad. M. Ass. J., 1942, 47: 256–8.—**Indian** Medical Association's memorandum on civil defence medical measures for Bengal. Calcutta M. J., 1942, 39: 425–7. Also J. Ind. M. Ass., 1942–43, 12: 33.—**LaCroix, J. R.** More lessons from the Blitz. Canad. M. Ass. J., 1942, 47: 447–50.—**Lovegrove, T.** A. R. P. precautions. Med. J. Australia, 1942, 1: 155.—**Manual** of Emergency Medical Services Connecticut State Defense Council. Connecticut M. J., 1942, 6: 202–11.—**Medical** preparedness for civilian air-raid casualties. Calcutta M. J., 1943, 40: 350.—**Oliver, W. L.** Emergency medical service in New York state. Messenger, 1944, 41: 5–8.—**Organization** (The) of Emergency Medical Service in the counties and cities of Pennsylvania. Pennsylvania Health, 1941–42, 2: No. 9, 7–9.—**Organization** of local emergency medical services (chart) Baltimore Health News, 1942, 19: 4.—**Plan** de asistencia médica de urgencia en caso de emergencia nacional por la actual guerra. Tribuna méd., Habana, 1942, 15: 43–7.—**Plan** to meet medical-health emergencies in Ohio becomes part of civilian defense program; important duties given local medical preparedness chairmen. Ohio M. J., 1941, 37: 1184–6.—**Popov, G. M.** [Organization of medical-sanitary service in local air-raid defense of industries and rail and water transportation] Feldsher, Moskva, 1940, No. 9, 50–3.—**Schlichter, C. H.** Emergency Medical Service of the New Jersey State Defense Council. J. M. Soc. N. Jersey, 1943, 40: 197–9.—**Servicio** médico-sanitario en Estados Unidos para la defensa de la población en caso de emergencia. Bol. Of. san. panamer., 1942, 21: 258–65.—**Sillevaerts, C.** L'organisation des secours médicaux du Commissariat général de la Protection aérienne passive. Bruxelles méd., 1939–40, 20: 792–801.—**Solandt, O. M.** Medical aspects of civil defence. Canad. M. Ass. J., 1947, 57: 460–3.—**Underwood, F. J.** Emergency medical service. Mississippi Doctor, 1942–43, 20: 516.—**Vilaseca, J. E.** Refugios y reservas nacionales de cicatrización. Rev. As. méd. argent., 1943, 57: 802–11.—**War** emergency organization; conditions of Service Committee. Med. J. Australia, 1941, 2: 523.

—— by countries: Great Britain.

Air raid precautions; discussion by Hampstead division of the B. M. A. Brit. M. J., 1938, 2: Suppl., 332.—**Baehr, G.** Lessons from British experience in civil defense. Connecticut M. J., 1943, 7: 58.—**Blackham, R. J.** The Emergency Medical Service. J. R. Army M. Corps, 1943, 80: 199–206.—**Bruce, G. R.** Medical air raid precautions; the point of view of a local authority. J. R. Inst. Pub. Health, 1939, 2: 609–18.—**Buchan, G. F.** Co-ordination of civil defence medical work in Willesden. Brit. M. J., 1942, 1: Suppl., 19.—**Casualty** organisation by the Home Guard. Lancet, Lond., 1941, 1: 771.—[**Central** Medical War Committee] air raid precautions. Brit. M. J., 1940, 1: Suppl., 56.—**Changes** in the E. M. S. Lancet, Lond., 1940, 2: 464.—**Cowell, E. M.** The organization of the medical services in air raid precautions. J. R. Army M. Corps, 1938, 71: 145–76.—**Davidson, A.** The contribution of the Emergency Medical Service to medicine and surgery in Scotland. Edinburgh M. J., 1942, 49: 553–67.—**Dunn, C. L.** The Emergency Medical Services (England and Wales) the inter-war period; historical survey. Med. Press, Lond., 1947, 218: 525–30.—**Elliott, E. L.** Unification of casualty services. Brit. M. J., 1942, 1: 397.—**Emergency** medical defense in Suffolk County. News Lett. Suffolk Co. M. Soc., 1942, 20: 1.—**Emergency** Medical Service. Med. Press & Circ., Lond., 1940, 204: 295. Also Lancet, Lond., 1941, 2: 256; 1943, 2: 264.—**Emergency** (The) Medical Services. Rep. Chief M. Off. Min. Health, Lond. (1939–45) 1946, 127–64.—**Friend, D. G.** The medical aspects of England's preparation for air attack. Mil. Surgeon, 1939, 85: 301–7.—**Gentle** art of resilience. Med. Press & Circ., Lond., 1942, 207: 169.—**Goff, C. W.** Medical air raid preparations in England. J. Connecticut M. Soc., 1939, 3: 504.—**Grogono, E. B.** London's air raids. Brit. M. J., 1940, 2: 643.—**Hunter, J. B.** The Emergency Medical Service and the future. Lancet, Lond., 1941, 1: 287.—**Lethem, W. A.** [L'organisation du service médical d'urgence en temps de guerre] Deut. Militärarzt, 1940, 5: 498 (Abstr.) German text.—**Logie, A. J.** Emergency medical management in Great Britain. J. Florida M. Ass., 1943–44, 30: 113–7.—**McCarthy, K. C.** Emergency medical defense; Britain's findings. Med. Econom., 1941–42, 19: No. 6, 62; 108.—**McCleary, G. F.** British medical arrangements for civil defense. Med. Care, 1941, 1: 7–18.—**McCurrich, H. J.** Economy with efficiency in the E. M. S. Brit. M. J., 1940, 1: 788.—**Medical** aspects of A. R. P. Ibid., 1941, 1: 250.—**Murchie, F.** Medical air raid precautions; the central aspect. J. R. Inst. Pub. Health, 1939, 2: 599–608.—**Rennie, D. C.** England during the war. Med. Bull. (Standard Oil Co.) N. Y., 1944–46, 6: No. 5, 122–31.—**Wilkinson, S. F.** Emergency medical service. Lancet, Lond., 1942, 1: 58.—**Williams, H.** Air raid medical administration; current British practice. Am. J. Pub. Health, 1942, 32: 137–41. ——— Blitz medical services in England and what they teach us. Illinois Health Mess., 1943, 15: 26–30.—**Williamson, A. B.** Air raid precautions from the point of view of the medical officer of health. J. R. San. Inst., 1938–39, 59: 307–19, Disc., 344–8.—**Willway, F. W.** Some observations on sending assistance to bombed towns. Brit. M. J., 1942, 2: 552–4.—**Wilson, P. D.** War medical service in Great Britain. Surg. Gyn. Obst., 1941, 72: 815–8.

EMERGENCY ration.

See as subdivision under **Ration.**

EMOTION.

See under such terms as **Combat psychiatry; Morale; Neuropsychiatric casualty; Psychopath; Psychosomatic medicine; Staging area; War neurosis,** etc.

EMPLOYEE.

See also **Air defense; Occupational specialty; Personnel.**

Civilian employee medical service. Mil. Surgeon, 1942, 91: 706.—**Cox, W. C.** The development and future of the Army federal employes health service program. Bull. U. S. Army M. Dep., 1948, 8: 926–32.—**Deming, D.** Civil Service and the war. Am. J. Nurs., 1944, 44: 109–12.—**Lennon, R. T.** Placemeat testing of the civilian personnel in the Air Service Command. Psychol. Bull., 1944, 41: 167–79.—**Validation** of the general clerical abilities test for selection and placement of War Department civilian personnel. Am. Psychologist, 1947, 2: 141–4.—**Woodbury, H. J.** Physical examination and immunization of contractors' employees. In: Prev. Med. in World War II, Wash., 1948, 8: 63–8.

EMPLOYMENT.

See under such terms as **Blind; Disabled; Prisoner of war; Veteran.**

ENCAMPMENT.

See **Camp.**

ENCEPHALITIS.

See also **Disease**—by organs: Brain; **Meningitis; Polioencephalitis.**

HAYMAKER, W. E., & SMADEL, J. E. The viral encephalitides. 67p. 25cm. Wash., 1943.

Forms No. 6, Study Batch U. S. Army Inst. Path.

Arthropod-borne encephalitides. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 124.—**Chumakov, M. P.** Epidemičeskie virusnye infekcii centralnoj nervnoj sistemy i metody ikh diagnostiki. In: Dost. sovet. med. Otečˊ. vojny, 1943, **1**: 132–41.—**Coumel, Paraire** [et al.] Considérations sur une encéphalite à forme psychique. Bull. Soc. méd. mil. fr., 1948, **42**: 31–4.—**Dankovsky, N., Shapoval, A.** [et al.] Encefality. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1199–211.—**Feemster, R. F.** Encephalitis in the military services; epidemiology, diagnosis, and management in large troop concentrations. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 195–209. ——— Encephalitis in the military services. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 353–67.—**Pette.** Encephalitis, Myelitis, Polyradiculitis, Polyneuritis, Poliomyelitis; entzündliche Erkrankungen des Zentralnervensystems. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 220–3.—**Schneider, C.** Problems of encephalitis. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 187.—**Tolosa, A.** Diagnóstico e tratamento das encefalites agudas não supuradas. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 47–60.

—— Control.

Encephalitis studies. In: Malaria Control in War Areas, Atlanta, 1945–46, 77.—**Hammon.** D. D. T. encephalitis control program. Annual Rep. Com. Neurotr. Virus Dis. U. S. Army (1945–46) 1946, 8.

—— Geography.

Infectious encephalitis in the Far East. Health U. S. Army, 1948, **3**: No. 3, 14.—**Sabin, A. B.** Neurotropic virus diseases in the west Pacific and Far East. J. Mil. M. Pacific, 1945, **1**: No. 3, 56.

—— Japanese type.

HURLBUT, H. S. Failure of the offspring of mosquitoes infected with Japanese B encephalitis to transmit the virus. 4p. 26½cm. Bethesda, 1948.

Forms Rep. No. 1, Res. Proj. NM 005 007, U. S. Nav. M. Res. Inst.

—— The transmission of Japanese encephalitis by mosquitoes after experimental hibernation. 5p. 27cm. Bethesda, Md, 1949.

Forms Rep. No. 9, Proj. NM 005 007, U. S. Nav. M. Res. Inst.

—— & THOMAS, J. I. Potential vectors of Japanese encephalitis in the Caroline Islands. 5p. 26½cm. Bethesda, 1948.

Forms Rep. No. 5, Res. Proj. NM 005 007, U. S. Nav. M. Res. Inst.

—— The cyclic transmission of Japanese encephalitis by Culex quinquefasciatus, utilizing young albino mice. 6p. 27cm. Bethesda, 1948.

Forms Rep. No. 6, Proj. NM 005 007, U. S. Nav. M. Res. Inst.

UNITED STATES. ARMY MEDICAL DEPARTMENT RESEARCH AND GRADUATE SCHOOL. Preparation of Japanese encephalitis vaccine, chick embryo type dried, for the U. S. Army, 1947. 14p. 27cm. Wash., 1947.

Cyclic (The) transmission of Japanese encephalitis by Culex quinquefasciatus, utilizing young albino mice. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 4.—**Encephalitis** epidemic in Japan. Annual Rep. Com. Virus Dis. U. S. Army (1948) 1949, 3–6.—**Failure** of the offspring of mosquitoes infected with Japanese B encephalitis to transmit the virus. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 6.—**Imano, Y.** Simin ryūkō-sei nōen no ni rei [Two cases ...] Gun idan zassi, 1925, No. 148, 1293–309.—**Japanese** B encephalitis. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 122–4. Also Annual Rep. Com. Virus Dis. U. S. Army (1948) 1949, 10. Also Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 5, 8.—**Japanese** B encephalitis vaccine. Res. Program U. S. Army Med. Res. Bd, 1948, Jan., 153.—**Manitoff, A.** Japanese B encephalitis; current epidemic in Tokyo. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 10, 7–9. Also Med. Bull. U. S. First Army, 1949, **4**: No. 4, 7.—**Mosher, W. E., jr.** Japanese B encephalitis; epidemiological report of the 1945 outbreak on Okinawa. U. S. Nav. M. Bull., 1947, 47: 586–97.—**Paul, J. R.** St. Louis and Japanese B encephalitis vaccines. Annual Rep. Com. Neurotr. Virus Dis. U. S. Army, 1944, 9.—**Plans** for the vaccination of Americans in Japan against Japanese B encephalitis in 1947. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 120.—**Potential** vectors of Japanese encephalitis in the Caroline Islands. Summaries Res. U. S. Nav. Res. Inst., 1948, July, 4.—**Sams, C. F., Thomas, L. G.** [et al.] Symposium on Japancse B encephalitis. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 4, 81–95. Also Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 10, 1–15. Also Med. Bull. U. S. First Army, 1949, **4**: No. 4, 3–13.—**Smadel, J. E., Randall, R., & Warren, J.** Preparation of Japanese encephalitis vaccine. Bull. U. S. Army M. Dep., 1947, **7**: 963–72.—**Subproject** on Japanese B encephalitis vaccine. Res. Program U. S. Army Med. Res. Bd, 1946, July, 94–9; Oct., 102–7; 1947, Apr., 56–8.—**Taylor, G.** Japanese B encephalitis; clinical aspects. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 10, 11–4. Also Med. Bull. U. S. First Army, 1949, **4**: No. 4, 11–3.—**Thomas, L. G.** Japanese B encephalitis; epidemiology. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 10, 2–5.—**Tigertt, W. D.** Japanese B encephalitis; laboratory studies. Ibid., 9–11. Also Med. Bull. U. S. First Army, 1949, **4**: No. 4, 7–11.—**Turner, E. A.** Japanese B encephalitis; field control measures. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 10, 5–7. Also Med. Bull. U. S. First Army, 1949, **4**: No. 4, 4–7.—**Ward, R., & Sabin, A. B.** Japanese B encephalitis. Annual Rep. Com. Neurotr. Virus Dis. U. S. Army (1945–46) 1946, 2–4.

—— post-vaccinal.

See **Encephalomyelitis,** post-vaccinal.

—— in animals.

Young, G. D., & Hyam, R. I. C. Report on an outbreak of hard pad disease in B. A. O. R. J. R. Army Vet. Corps, 1949, **20**: 24–9.

ENCEPHALOMENINGITIS.

Garmany, G. Intellectual deterioration following acute encephalomeningitis. J. R. Nav. M. Serv., 1944, **30**: 53.

ENCEPHALOMYELITIS.

UNITED STATES. NAVAL MEDICAL RESEARCH INSTITUTE. The inactivation of eastern and western strains of equine encephalitis virus by mechanical agitation. 7p. 27cm. Bethesda, 1946.

Forms Rep. No. 2, Res. Project X–176, Nav. M. Res. Inst., U. S.

Cunha, R. Da transmissão a animais domésticos de um virus da encefalomielite equina, isolado na Baía (Brasil) Rev. mil. med. vet., Rio, 1941, **4**: 3101–31.—**Encephalomyelitis** vaccine. Army M. Bull., 1939, **49**: 24.—**Equine** encephalomyelitis. Ibid., 1941, No. 58, 143.—**Equine** encephalomyelitis. Res. Program U. S. Army Med. Res. Bd, 1946, July, 134; Oct., 182; 1947, Apr., 90; July, 90; 1948, Jan., 166.—**Gilyard, R. T.** Mosquito transmission of Venezuelan virus equine encephalomyelitis in Trinidad. Bull. U. S. Army M. Dep., 1944, No. 75, 96–107.—**Inactivation** (The) of eastern and western strains of equine encephalitis virus by mechanical agitation. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 7.—**Kelser, R. A.** Equine encephalomyelitis. Vet. Bull., Carlisle Barracks, 1940, **34**: 1–6.—**Luna, B.** Existe la encéfalo-mielitis equina en Cuba? Rev. san. mil., Habana, 1939, **3**: 274–6.—**Mace, D. L., Ott, R. L., & Cortez, F. S.** Evidence of the presence of equine encephalomyelitis virus in Philippine animals. Bull. U. S. Army M. Dep., 1949, **9**: 504–7.—**Málaga Alba, A.** Algunos casos de encefalopatia invernal en los caballos del ejército. Rev. mil. Peru, 1939, **35**: 380–94. ——— Encefalopatía equina en el verano de 1938. Ibid., 1939, **36**: 89–102, pl.—**Mitchell, R. B., Lasher, N. A., & Anslow, R. O.** The effect of hypoxia produced at high altitude on the infection of chick embryos with equine encephalomyelitis virus. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., **14**.—**Randall, R.** The preparation of equine encephalomyelitis vaccine (chick) by the Army Veterinary School. Vet. Bull., Carlisle Barracks, 1940, **34**: 7–12. ——— Equine encephalomyelitis. Army Vet. Bull., 1942, **36**: 157–71. Also Mil. Surgeon, 1942, **91**: 659–70.—**Schoening, H. W.** The epizootiology of infectious equine encephalomyelitis in the United States. Vet. Bull., Carlisle Barracks, 1940, **34**: 13–9.—**Shirlaw, J. F.** Equine encephalomyelitis in India. J. R. Army Vet. Corps, 1939–40, **11**: 40; 75, pl.—**Ulio, J. A.** Requisition for equine encephalomyelitis vaccine. Army Vet. Bull., 1943, **37**: 126.

—— human.

Bejarano, J. F. R. Los ultravirus, virus neurótropos; encéfalomielitis humana de origen equino. Rev. san. mil., B. Air., 1942, **41**: 499; 570; 667; 724.

—— post-vaccinal.

Postvaccinal encephalo-myelitis. Bull. Army M. Dir., Lond., 1942, No. 10, 1–3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 53. Also Bull. Army M. Dep., Lond., 1944, No. 34, 3.—**Rugg-Gunn, M. A.** Two cases of encepha-

litis following vaccination. J. R. Nav. M. Serv., 1947, **33**: 222–5.—**Siegler, A. M.** Encephalitis due to antirabies vaccine; report of a case. U. S. Nav. M. Bull., 1948, **48**: 620–5.

ENDARTERITIS.

See with **Disease**—by organs: Cardiovascular system.

ENDOCARDITIS.

See also under **Heart.**

Diamond, J. L. Subacute bacterial endocarditis; 4 cases. Med. Bull. Veterans Admin., 1944–45, **21**: 41–7.—**Etinger, J. G., & Shmerling, M. G.** O ćastote zabolevaemosti revmatizmom i podostrym septićeskim endokarditom v period vojny i v poslevoennye gody. Ter. arkh., 1949, **21**: No. 2, 15–23.—**Gillespie, J. O., Tobias, G.** [et al.] [Acute subacute bacterial endocarditis] Bull. U. S. Army M. Dep., 1949, **9**: 602–9.—**Gómez Cuellar, P.** La penicilina en las endocarditis malignas lentas. Med. & cir. guerra, 1948, **10**: 363–6.—**Gonzaga Rodríguez, L.** Sobre el tratamiento de las endocarditis lentas por la penicilina. Ibid., 1946, **8**: No. 20, 10–2.—**Hunter, T. H.** Subacute bacterial endocarditis. Bull. U. S. Army M. Dep., 1948, **8**: 229–31.—**Josselson, A. J.** Subacute bacterial endocarditis; a report of a healed case with death due to congestive heart failure. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 4, 1–5.—**Jovanović, R.** Dijagnostička osnova bakterijalnog endokarditisa. Voj. san. pregl., Beogr., 1949, **6**: 88–92.—**Pizzi, F. W., & McCarthy, F. W.** Subacute bacterial endocarditis successfully treated with penicillin. U. S. Nav. M. Bull., 1944, **43**: 1010–3.—**Szigál, A. M.** Az endokarditisek klinikai alakjai és azok osztályozása. Honvédorvos, 1950, **2**: 293–9.

ENDOCRINE system.

See also under **Medical examination, Endocrine system.**

Durišić, S. Jedno tumačenje nervnih uticaja na endokrinu sekreciju. Voj. san. pregl., Beogr., 1948, **5**: 373–8.—**Jensen, H. F., & Steeples, G. L.** Study of the effects of hypothermia on the control of endocrine secretion. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 2, No. 4, 1. Also Proj. 3, No. 3, 1.

—— Diseases.

See also names of endocrine diseases as **Goiter; Thyrotoxicosis,** etc.

Diseases of ductless glands and spleen (endocrines) Statist. Navy M., 1948, **4**: No. 9, 10–2.—**Filberbaum, M. B.** Waterhouse-Friderichsen syndrome; report of a case. U. S. Nav. M. Bull., 1944, **43**: 549.—**John, H. J.** Endocrinopathies in the military service. J. Clin. Endocr., 1943, **3**: 55.—**Leichliter, J. W., & Fish, C. E.** The Waterhouse-Friderichsen syndrome; a report of a case in a soldier. Mil. Surgeon, 1943, **93**: 77–81.—**Olmedo, C.** Comentarios sobre el síndrome adiposo-hipogenital. Rev. san. mil., Asunción, 1943, No. 138, 161–8.

ENDOCRINOLOGY.

See also **Medical examination,** Endocrine system.

Hutton, J. H. War endocrinology. 363p. 23½cm. Chic., 1943.

Hutton, J. H. War endocrinology and recent progress. Clin. Med., 1943, **50**: 10–4.—**Llanas Villacampa, J.** De la organoterapia a la hormonoterapia. Bol. farm. mil., Madr., 1936, **14**: 162.—**Shipner, L. B.** Endocrinology in the military service. Illinois M. J., 1947, **91**: 35–40.

ENDURANCE.

See also **Fatigue.**

Deschwanden, J. v. Zur Frage der Steigerung von Leistungs- und Widerstandsfähigkeit der Truppen. p. 3–8. 22½cm. Basel, 1935.

Also Allg. schweiz. Militärztg, 1935.

P'an, K. Yu-shêng yü k'ang chan [Eugenics and endurance in war] 263p. 19cm. Shanghai[?] 1943.

Forms No. 7, Jên-wên shêng-wu-hsüeh lun-ts'ung.

Keator, J. F. Correlation of static physical endurements. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 27. —— **Payne, R.** [et al.] Correlation of static and physical endurance. Ibid., 1949, Jan., 27.—**Molnár, G. W.** Factors influencing endurance in a wet-cold environment. Sympos. Mil. Physiol., Wash., 1947, 257–60.

ENEMY capabilities.

See under **Intelligence.**

ENERGY metabolism.

See **Metabolism.**

ENGLAND.

See under **Wars and campaigns**; see also **Great Britain,** for other related headings.

ENIWETOK.

See **World War II**; also **Atomic bomb,** Test.

ENLISTED personnel.

See **Personnel; Reserve; Soldier.** For medical care of wives see **Dependent,** Emergency Maternity and Infant Care.

ENTERIC fever.

See also **Digestive system; Typhoid.**

Bauer, F. K., & Watkins, J. H. Enteric fevers. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 63–73.—**Brandão, H.** Diagnóstico das fébres entéricas pelo laboratório. Rev. med. mil., Rio, 1946, **35**: 57–65.—**Dick, J. C.** Laboratory findings in enteric group fevers in the Middle East Forces. J. Hyg., Lond., 1945–46, **44**: 430–6.—**Syverton, J. T., Ching, R. E.** [et al.] Typhoid and paratyphoid A in immunized military personnel. J. Am. M. Ass., 1946, **131**: 507–14.

ENTERITIS.

See also **Diarrhea; Digestive system; Dysentery; Dyspepsia; Gastroenteritis.** For regional enteritis see under **Ileum.**

Abel, J. Zur Frage der Enteritis mit besonderer Berücksichtigung der Röntgenuntersuchung. Deut. Militärarzt, 1943, **8**: 198–204.—**Callender, G. R., & Inmon, E. H.** Diarrhea, enteritis, and dysentery. Army M. Bull., 1937, No. 40, 24–75.—**Stindl, F.** Die Behandlung des akuten Darmkatarrhs mit Kartoffelkohle. Deut. Militärarzt, 1942, **7**: 284.—**Wachsmuth, H. O., & Wirtz, K.** Beitrag zur Symptomentrias Conjunctivitis, Urethritis, Arthritis nach Enteritis. Ibid., 1943, **8**: 258–63.—**Winckelmann, H.** Zur Chemotherapie von Darmkatarrhen. Ibid., 319.

ENTOMOLOGIST.

See also **Entomology.**

Description of the profession of entomology issued by the War Manpower Commission. J. Econom. Entom., 1944, 37: 165.—**Hardenbergh, W. A.** Entomologists and the Sanitary Corps. Ibid., 465–7.

ENTOMOLOGY.

See also such terms as **Disinsectation; Epidemic; Epidemiology; Insect; Insecticide; Lousiness; Preventive medicine,** etc.

United States. Army Medical Department Research and Graduate School. Outline of course in entomology; medical entomology and other members of the phylum Arthropoda as ticks and mites which are of medical and veterinary importance. 52 l. 26½cm. Wash., 1933.

United States. Naval Medical School. Laboratory guide to medical entomology with notes on malaria control. 193p. illus. 27cm. Bethesda, 1943.

Annand, P. N. Entomological problems imposed by war conditions. J. Econom. Entom., 1943, **36**: 193–200. —— The war and the future of entomology. Ibid., 1944, **37**: 1–9.—**Bradley, G. H.** Entomological services on the program for malaria control in war areas. Ibid., 475–7.—**Bunn, R. W.** Entomological service in the Army. Mil. Surgeon, 1947, **101**: 40–4.—**Cory, E. N.** Entomology and the war. J. Econom. Entom., 1943, **36**: 355–8. —— **Graham, S. A.** [et al.] Report of the Committee on coordination of entomology with war effort, December 7, 1943. Ibid., 1944, **37**: 179.—**Cory, E. N., Matheson, R., & Bishopp, F. C.** Report of the Joint Committee on Military Entomology of the American Association of Economic entomologists and Entomological Society of America. Ibid., 1943, **36**: 159; 1944, **37**: 180; 1945, **38**: 137.—**Cory, E. N., Peairs, L. M.** [et al.] Report of the Committee on Coordination of Entomology with the war effort, 1942. Ibid., 132–5.—**Ellsworth, J. K.** Medical entomological problems of the war. Biol. Colloq., Corvallis (1943–44) 1945, 18–21.—**Herms, W. B.** Medical entomology meets the impact of war. J. Econom. Entom., 1945, **38**: 8–11.—**Hungerford, H. B.** Rela-

tion of entomology to the war effort. Tr. Kansas Acad. Sc., 1943, **46**: 303–8.—**Knight, K. L., & Hurlbut, H. S.** A taxonomic study of arthropods of parasitological importance, with special emphasis upon those capable of disease transmission. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 59.—**Metcalf, C. L.** Entomological training for the Armed Forces. J. Econom. Entom., 1943, **36**: 482.—**Ozburn, R. H.** Problems of medical entomology of military importance in Canada. Ibid., 1944, **37**: 455–9.—**Snyder, T. E., St. George, R. A.** [et al.] Wood in implements. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 23.

ENUCLEATION.

See **Eyeball; Ophthalmology,** surgical.

ENURESIS.

Thorner, M. W. A study of enuresis in aviation cadet applicants. 6p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 134, U. S. Air Force School Aviat. M.

Backus, P. L. Enuresis in the Army. Brit. M. J., 1944, **2**: 868. ——— **& Mansell, G. S.** Investigation and treatment of enuresis in the Army; preliminary report on 277 cases. Ibid., 462–5.—**Benowitz, H. H.** The enuretic soldier in an AAF basic training center; a study of 172 cases. J. Nerv. Ment. Dis., 1946, **104**: 66–79.—**Bisher, W.** Enuresis in the adult. Mil. Surgeon, 1945, **96**: 244–6.—**Carillon, Trial & Pélot.** Traitement de certaines énurésies essentielles par radiothérapie des ganglions étoilés. Bull. Soc. méd. mil. fr., 1948, **42**: 83.—**Levine, A.** Enuresis in the Navy. Am. J. Psychiat., 1943–44, **100**: 320–5.—**Menninger, W. C.** Enuresis. In his Psychiat. in a Troubled World, N. Y., 1948, 181–4.—**Michaels, J. J.** The significance of persistent enuresis in the history of the psychopathic personality. Mil. Surgeon, 1944, **95**: 315.—**Ostrovsky, M. I.** K voenno-vračebnoi ekspertize nočnogo enureza. Voen. med. J., Moskva, 1947, No. 10, 22–4.—**Rosie, R. J.** Nocturnal enuresis. J. R. Army M. Corps, 1941, **77**: 46–9.—**Shlionsky, H., Sarracino, R., & Bischof, L. J.** Functional enuresis in the Army; report of a clinical study of 100 cases. War Med., Chic., 1945, **7**: 297–303.—**Suby, H. I.** The management of enuresis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 21, 18–22.

ENVIRONMENT.

See also such terms as **Arctic service; Clothing,** Environmental aspect; **Cold environment; Cold exposure; Endurance; Heat; Tropical service.**

Stein, H. J., Bader, R. A. [et al.] A study of hormonal alterations in men exposed to heat and cold stress. 22 l. 27½cm. Wash., 1948.

Forms No. 140, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

United States. Army. Office of the Quartermaster General. Research and Development Branch. Environmental Protection Section. Memorandum report. Lawrence, Mass., No. 6, 1947–

Basal metabolic rates of Eskimos, acclimatized white personnel, and non-acclimatized Air Force personnel. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, July, 2.—**Belding, H. S., Darling, R. C.** [et al.] Notes on methods used at the fatigue laboratory to evaluate the thermal insulation provided by cold weather clothing. Clin. Invest. Rep. (OSRD) Wash., 1943, No. 24, 1.—**Body** reactions and requirements under varied environmental and climatic conditions. Res. Program U. S. Army Med. Res. Bd, 1947, July, 103.—**Burton.** Theory of protective clothing. Clin. Invest. Rep. (NRC) Wash., 1943, No. 16, 12.—**Cox, W. C.** Reaction to influence of surroundings. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 77.—**Effect** of environment on nutrition. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 335.—**Improvement** of instruments and techniques for environmental research and testing. Ibid., 133–6.—**Mills, C. A.** Physical environment and effective man power. Mil. Surgeon, 1937, **80**: 331–8.—**Molnár, G. W., Magee, R. B.** [et al.] Temperature responses of Eskimos to outdoor weather. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 1, 4–21.—**Siple.** Experience in living in a cold climate. Clin. Invest. Rep. (NRC) Wash., 1943, No. 16, 10.

ENVIRONMENTAL hygiene [and medicine]

See also such terms as **Arctic service; Cold exposure; Environment; Heat; Tropical service,** etc.

Illinois, U. S. A. Department of Public Health. Educational health circular No. 125: Statutes of Illinois relating to environmental sanitation and disease prevention in and around military camps, naval bases and defense industries. 21p. 21½cm. Springf., 1941.

United States. Army Epidemiological Board. Commission on Environmental Hygiene. Report. Wash. (1946/47) 1947–

——— Progress report. Wash., No. 1, 1948–

Brown, H. R., jr. Research in environmental medicine. Q. Project Sum. Off. Nav. Res., 1948, July, 401.—**Environmental** sanitation. In: Effects of Bomb. Japan (U. S. Strateg. Bomb. Surv.) Wash., 1947, 92–121, illust.—**Yaglou.** Commission on Environmental Hygiene. Res. Program U. S. Army Med. Res. Bd, 1948, Jan., 164.

EOSINOPHILIA.

See also **Disease**—by organs: Abdomen; **Hematology.**

Hirst, W. R., & McCann, W. J. Tropical eosinophilia; report of a case. U. S. Nav. M. Bull., 1945, **44**: 1277–81.—**Ritchie, E. A. A.** Tropical eosinophilia; an aetiological inquiry. J. R. Army M. Corps, 1944, **83**: 177–82.—**Terakado, M., & Kikuti, T.** A case of familial eosinophilia. Bull. Nav. M. Ass., Tokyo, 1940, **29**: 33.—**Tropical** eosinophilia. Bull. Army M. Dep., Lond., 1944, No. 40, 1.—**Weinbaum, J. G., Riblet, L., & Benedict, C. D.** Tropical eosinophilia. Bull. U. S. Army M. Dep., 1949, **9**: 477–83.

EOSINOPHILIC granuloma.

Martínez Pazos, A. Granuloma eosinófilo de los huesos. Med. & cir. guerra, 1947, **9**: 417–20.—**Michael, P., & Norcross, N. C.** Eosinophilic granuloma of bone. U. S. Nav. M. Bull., 1945, **45**: 661–8.—**Silliphant, W. M., & Hull, D. B.** Eosinophilic granuloma of bone, with report of two cases. Ibid., 1947, **47**: 1058–66.—**Weaver, E. N., & Carter, J. R.** Eosinophilic granuloma of bone. Ibid., 1066–72.

EPIDEMIC [incl. infectious disease]

See also **Infection;** also names of specific epidemic diseases as **Encephalitis; Epidemic hemorrhagic fever; Frambesia; Hepatitis; Influenza,** etc. For epidemic in national armies see also **Morbidity.**

Bauer, F. K., & Watkins, J. H. Communicable diseases. p. 30–81. 26cm. Wash., 1947.

In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947.

Dieudonné, A., Gruber, M. v. [et al.] [Uebertragbare Krankheiten, andere innere Erkrankungen, usw.] 3. Aufl. 268p. 17½cm. Münch., 1917.

Forms No. 2, Taschenb. Feldarzt., Münch., 1917.

Hill, J. H. Silent enemies; the story of the diseases of war and their control. 266p. 21½cm. N. Y., 1942.

Schlossberger, H. Kriegsseuchen; historischer Ueberblick über ihr Auftreten und ihre Bekämpfung. 84p. 25cm. Jena, 1945.

United States. Department of the Army. Army regulations, No. 40–245: Medical Department. The prevention of communicable diseases of man; management of cases in hospitals and dispensaries. 5p. 23cm. Wash., 1923.

Anderson, T. B. H. Endemic and epidemic diseases including tropical diseases. Northwest M., 1943, **42**: 167–9.—**Bayne-Jones, S.** Epidemics. Bull. U. S. Army M. Dep., 1946, **5**: 541–4.—**Boldyrev, T.** Epidemia. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1244–7.—**Curschmann, H.** Ueber Seuchen in Kriegs- und Notzeiten. Aerztl. Wschr., 1946–47, **1–2**: 1008–11.—**Dochez, A. R., MacLeod, C. M., & McCormack, J. E.** Infectious diseases. In: Advance. Mil. Med., Bost., 1948, **1**: 5–45.—**Enloe, C. F.,** jr. Why there were no epidemics. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 82.—**Kneeland, Y.,** jr. Notes on certain infectious diseases. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 30, 12–5.—**Roždestvensky, V.** Infekcionnye bolezni. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 953–62.—**Rudnev, G.** Infekcionnyi bolnoi. Ibid., 962–5.—**Schlossberger, H.** [Die Seuchen in der schönen Literatur] In his Kriegsseuchen, Jena, 1945, 13–5.—**Schöneberg, G.** Die Infektionskrankheiten. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 259–75.—**Some** diseases of military significance. Seminar, Phila., 1943, **5**: No. 3, 4; passim.

—— airborne.

United States. Army Epidemiological Board. Commission on Air-Borne Infections. Report of the Commission on Air-Borne Infections. Wash., 1943/44–

Control of airborne disease in the Service. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 17–20.

—— Control.

See also **Preventive medicine.**

Dieudonné, A., & Weichardt, J. W. Uebertragbare Krankheiten; Ursachen, Verhütung, Bekämpfung. p. 1–56. 18cm. Münch., 1917.
In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2.

Babecki, J. Wytyczne walki z epidemiami w Polsce z chwilą zakończenia działań wojennych. Lek. wojsk., 1943, **35**: 122–32.—**Bejarano, J. F. R.** Consideraciones generales sobre profilaxis en las enfermedades infecciosas. Rev. san. mil., B. Air., 1944, **43**: 151–8.—**Birguen, S.** Rapport général sur les méthodes modernes pour empêcher les maladies contagieuses de se propager dans l'armée. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 192.—**Boldyrev, T.** Protivoepidemicheskij plan. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 929–32.—**Bullock, N. C.** Communicable disease control at Camp Grant, Illinois. Bull. U. S. Army M. Dep., 1943, No. 69, 49–54.—**Chulkov, P. S.** [Control of diphtheric and meningococcic infections in military districts and therapeutic institutions of the Red Army] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 580.—**Davide, H.** Epidemibekämpandets praktiska utformning under krig. In: Handledn. & Försvarsmed., Stockh., 1940, 1: 62–9.—**Dubos, R. J.** Trends in the study and control of infectious diseases. Proc. Am. Philos. Soc., 1944–45, 88: 208–13.—**Epidemiology** and communicable disease control. In: Prev. Med. in World War II, Wash., 1948, **6**: 47–52.—**Gordon, J. E.** Organization for the control of epidemics. Ibid., **1**: pt 3, Sect. 1, 2.—**Hetsch, H.** Infektionskrankheiten; allgemeine gesetzliche Massnahmen gegen Infektionskrankheiten. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 7–9.—**Hume, E. E.** Modern concepts of the prophylaxis of epidemic diseases in armies. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., **1**: 75–104.—**Inoue, T.** Senzi-ka no bōeki ni tuite [Prevention of epidemics in the time of war] Nippon rinsyo, 1943, **1**: 842–5.—**Jusatz, H. J.** Hygienisch-bakteriologische Einführung; Truppen- und Lazaretthygiene zur Verhütung und Bekämpfung von Infektionskrankheiten im Kriege. In: Taschenb. ansteckenden Krankheiten Menschen (Gutzeit, R. J. K.) Berl., 1944, 35–74.—**Kennedy, T. F.** Prophylactic methods adopted in the army to deal with epidemic diseases. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., **1**: 105–22.—**Kobzev, A. F.** Organizacija protivoepidemiĉeskogo barjera vo vnutrennem raione strany. Voen. med. J., 1945, No. 7, 23–8.—**Krovicky, A. J.** [Experience of a sanitary epidemiological institution in a city within the battle zone] Hig. & san., Moskva, 1944, **9**: No. 6, 42–5.—**Lemoine, G. H.** Prophylaxie des fièvres éruptives dans ses rapports avec l'aménagement des casernes. Rev. hyg., Par., 1905, **27**: 1–13.—**Maner, R.** Problème de prophylaxie des maladies infectieuses de l'Armée turque. Askeri sihhiye mecmuası, 1947, **76**: No. 50, 15–7.—**Meyrelles do Souto, A.** Exposé général des procédés modernes de prophylaxie des maladies épidémiques à l'armée. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 187–90.—**Military** control of insect and snail borne diseases. J. Mil. M. Pacific, 1945, **1**: 24–33.—**Nakamura, K.** Son-si no heihō to densen-byō yobō [Sun's tactics and the prevention of epidemics] Tōzai igaku, 1941, 8: 692.—**Normas** profilácticas. Rev. san. mil., B. Air., 1943, **42**: 282.—**Piatkin, K. D.** Protivoepidemiĉeskoe obespechenie vojsk v nastupatelnoj operacii. Voen. med. J., Moskva, 1945, No. 4, 15–7.—**Popovici, D., Nestorescu, N., & Ciocârlie, D.** Notes sur les méthodes modernes de prophylaxie des maladies épidémiques dans l'armée. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 190.—**Regamey, R. H.** Exposé général des procédés modernes de prophylaxie des maladies épidémiques aux armées. Ibid., 1947, 11. Congr., **1**: 123–39.—**Reitano, U.** Exposé général des procédés modernes de prophylaxie des maladies épidémiques aux armées. Ibid., (1947) 1948, 11. Congr., **2**: 184.—**Rodenwaldt, E.** Frühzeitige Erkennung und Bekämpfung der Heeresseuchen. Deut. Aerztebl., 1940, **70**: 184–9.

—— Geomorphological analysis as an element of fighting epidemics. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 224.—**Schlossberger, H.** Ueber die Bekämpfung der Kriegsseuchen. In his Kriegsseuchen, Jena, 1945, 50–69.—**Schmidt, B.** Seuchenverhütung. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 17–65.—**Set,** medical, for detached troops of an epidemic prevention depot. Jap. M. Material Rep., 1946, No. 195, 1–5.—**Sharma, A. N.** General exposé on modern prophylaxis of epidemical diseases in the army. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 177–83.—**Sharp, A. C. R.** General survey of the methods of prophylaxis in epidemics in armies. Ibid., 159–64.—**Slezáček, L.** Moderní koncepce profylaxe epidemických nemocí v armádách [transl.] Voj. zdrav. listy, 1948, **17**: 37–47.—**Standard** operating procedure for control of malaria and other insect-borne diseases during a combat operation. J. Mil. M. Pacific, 1945, **1**: 37–41.—**Vagedes, v.** Verhütung und Bekämpfung der übertragbaren Krankheiten im Heere. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 548–97.—**Ward, T. G.** Control measures against importation of disease by men returning from overseas duty. Am. J. Pub. Health, 1945, **35**: 572–4.—**Zeiss, H.** Infektionskrankheiten; Geomedizin und Seuchenbekämpfung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 9. Also Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 227–9.—**Zemskov, M. V.** [Certain peculiarities of antiepidemic measures in the army] Voen. san. delo, 1942, No. 9, 37–42.

—— experimental.

See **Bacteriological warfare.**

—— Hospital epidemic.

Dust-borne infections in hospital. Bull. Army M. Dep., Lond., 1942, No. 17, 3–5. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 29.—**Hamburger, M.,** jr. Studies on the transmission of hemolytic streptococcus infections; cross infections in Army hospital wards. J. Infect. Dis., 1944, **75**: 58–70.—**McCullough, C. P.** A device for reduction of contact exposure in sickbays afloat. U. S. Nav. M. Bull., 1943, **41**: 1750–2.—**Roždestvensky, V.** Organizacia hospitalnogo dela; vnutrihospitalnye infekcii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 78.

—— Incidence.

United States. Army. Surgeon-General's Office. Preventive Medicine Service. [Maps prepared for Global epidemiology, a geography of disease and sanitation by James S. Simmons] 14 maps. 28cm. Phila., 1943.

United States. War Department. Geographical distribution of certain diseases. 14 maps. 23cm. Wash., 1943.
Forms Pamphl. No. 8–6, U. S. War Dep.

Bauer, F. K., & Watkins, J. H. Scabies, Weil's disease, other diseases. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 73.—**Bessmertny, B.** Epidemiĉeskie indeksy. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1243.—**Cebrelli, G.** Le malattie infettive nell'Epiro. Ann. med. nav., Roma, 1947, **52**: 375–80.—**Dlouhý, J.** Odraz poslední války u infekčních chorob v našem kraji. Cas. lék. česk., 1946, **85**: 119–21.—**Incidence** (The) of communicable diseases in military service. J. Iowa M. Soc., 1942, **32**: 32.—**Kauntze, W. H.** The occurence and control of transmissible diseases in British colonial territories from the outbreak of the recent war to December, 1945. Bull. Off. internat. hyg. pub., Par., 1946, 38: 274–86, incl. French transl.—**Sánchez, S.** Enfermedades infecto-contagiosas y parasitarias en la frontera noreste. Rev. san. mil., B. Air., 1936, **35**: 1–29.—**Ziezold.** Practical results of predicting epidemics. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 225.—**Zikowsky, J.** Seltene Infektionskrankheiten der Heimat. Med. Klin., Berl., 1942, **38**: 921–4. Also Zbl. Bakt., 1. Abt., 1943, **143**: 269 (Abstr.)

—— Line of duty.

Jahn, D. Zur Frage der Wehrdienstbeschädigung bei Infektionskrankheiten. Münch. med. Wschr., 1941, 88: 1341–3.—**Schöneberg, G.** Fragen der ärztlichen Beurteilung und Begutachtung; die Infektionskrankheiten. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 306–24.—**Theorell, T.** [A claim of compensation for an infectious disease acquired in military service] Tskr. mil. hälsov., 1927, **52**: 60–5.

—— Pathology.

Kalmanson, G. M. The presence of specific antigens in the blood stream in early acute phases of various specific infectious diseases. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 17.—**Köberle, F.** Zur Pathologie aktueller Kriegsseuchen (Fleckfieber, Tularämie, Hepatitis epidemica, Feldnephritis) Jahrkurs. ärztl. Fortbild., 1944, **35**: 10–26.—**Melnotte, P. E. M., & Bolzinger, R. L. F.** Les applications à la pathologie infectieuse des notions nouvelles sur la dissociation des espèces microbiennes et leur structure antigénique. Rev. Corps san. mil., Par., 1947, **3**: 199–235.—**Otto, R.** Infektionskrankheiten; allgemeine Aetiologie. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 1–4.—**Schöne, G.** Die klinische Bewertung der Agglutinationsreaktion (Grüber-Widalschen Reaktion) bei den verschiedenen Infektionskrankheiten. Deut. med. Wschr., 1944, **70**: 384–6.—**Wolter, F.** Die Entstehungsursachen der Kriegsseuchen vom kontagionistischen und vom epidemiologischen Standpunkt. Med. Praxis, 1940, No. 29, 149–58.

—— Treatment.

Sittmann, G. Uebertragbare Krankheiten; Krankheitserscheinungen und Behandlung. p. 57–103. 18cm. Münch., 1917.
In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2.

Diakov, U. I. [Sanitary epidemiological measures in military operations] Feldsher, Moskva, 1941, No. 10, 30–3.—**Gefen, N. E.** Polivakcina NIISI dlja odnovremennoj i odnokratnoj vakcinacii protiv kholery, brjushnogo tifa, paratifov, dizenterii i stolbnjaka. In: Dost. sovet. med. Oteć. vojny, 1943, 1: 108–18.—**Holler, G., Mathis, A., & Ortner, E.** Kasuistische Beiträge zur Therapie der Kriegsseuchen. Wien. klin. Wschr., 1944, 57: 345–52.—**Machold, K.** Ausschnitt aus neuen Erkenntnissen in Diagnose und Behandlung einiger kriegswichtig gewordener Infektionskrankheiten. Ibid., 5–15.

—— Types.

Hosemann, G. Versuch einer Ordnung der Infektionskrankheiten nach dem Grad der Schwere. In: Infektkr. jetz. Kriege (Germany. Heeres-Saninsp.) Berl., 1944, Docum. No. 8715, 18–20, tab. ——— Die nach den Krankenblättern seltenen Infektionskrankheiten. Ibid., 24.—**Weichselbaum, A.** Aetiologie, Epidemiologie und Prophylaxe der wichtigeren Kriegsseuchen. Vortr. Epidem. (Wien. Aerztekammer) Wien, 1914, No. 46, 1–9.

—— Types: Amebiasis.

See **Dysentery (amebic)**

—— Types: Cholera.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Cholera. Rev. 4p. 27cm. Orlando, 1944.

Forms Pt 9, Notes Trop. Dis. Arctic Desert Trop. Br. A. A. F., U. S.

United States. War Department. Technical bulletin TB MED 138: Cholera. 7p. 26cm. Wash., 1945.

Cholera. Seminar, Phila., 1943, 5: No. 3, 8–12.—**Curtis, J. K., & Butler, F. A.** Cholera. Bumed News Lett., Wash., 1945, 5: No. 1, 1–6.—**Date, T.** Syōwa 14-nendo Tyū-Nansi ni te bunri-serareta cholera-kin kinkei ni tuite. [On types of the cholera vibrio isolated in Middle and South China in 1939] Bull. Nav. M. Ass., Tokyo, 1941, 30: 579–84.—**Ermoljeva, Z. V., & Jakobson, L. M.** Diagnostika kholery i dejstvie fagoprofilaktiki pri kholernykh vspyshkakh. In: Dost. sovet. med. Oteć. vojny, 1943, 1: 50–64.—**Eugling, M.** Interessante Cholerafälle im Weltkrieg. Aerztl. Prax., Wien, 1938, 12: 265. Also Wien. klin. Wschr., 1938, 51: 984–6.—**Grattan, H. W.** An outbreak of twenty-eight cases of cholera among British troops in Benares during September-October, 1912. J. R. Army M. Corps, 1939, 72: 21–5.—**Higgins, A. R.** Cholera in Shanghai war refugees. U. S. Nav. M. Bull., 1939, 37: 287–9.—**Hoffmann, W.** Cholera asiatica. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 47–9.—**Jude, A. L.** Le choléra. Rev. Corps san. mil., Par., 1947, 3: No. 6, I–VIII.—**Kisigami, S.** On the cholera vibrio isolated from a patient in the town of Ondo in Hiroshima Prefecture. Bull. Nav. M. Ass., Tokyo, 1940, 29: 55.—**Lamb, F. H.** The cholera epidemic in South China. J. R. Nav. M. Serv., 1938, 24: 64–6.—**Love, R. J. M.** Cholera. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 887.—**Markowitz, J.** Experiences with cholera in a jungle camp in Thailand. J. R. Army M. Corps, 1946, 86: 150–8.—**Marras, F. M.** Osservazioni sierologiche in rapporto alla agglutinabilità del V. di El Tor isolato durante il pellegrinaggio del 1937. Ann. med. nav., Roma, 1938, 44: 107–18.—**Navy** cholera research. Mil. Surgeon, 1946, 98: 246.—**Oda, K., Sindo, C., & Nisihara, H.** On types of cholera vibrio isolated in Shanghai in 1938; first report. Bull. Nav. M. Ass., Tokyo, 1940, 29: 9.—**Report** on cholera studies in Calcutta; value of chemotherapy in the treatment of cholera and use of blood plasma in cholera collapse. U. S. Nav. M. Bull., 1945, 45: 1049–53.—**Rudnev, G.** Kholera (cholera asiatica) In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 912–23.—**Schütze.** Cholera asiatica. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 173–6.—**Turnbull, T. A.** Some aspects of cholera in Kongmun, South China. J. R. Nav. M. Serv., 1938, 24: 138–42.—**Van Auken, H. A.** The cholera epidemic. In: Prev. Med. in World War II, Wash., 1948, 4: Suppl., 12–4.—**Virulence** and antigenicity of various strains of Vibrio cholerae. Res. Program U. S. Army M. Res. Bd, 1946, July, 73–6.—**Waud, S. P.** Notes on cholera. Field M. Bull. U. S. Army, N. Delhi, 1943, 2: 67.—**Woodward, L. K., jr.** Condition simulating appendicitis following cholera vaccine inoculation. U. S. Nav. M. Bull., 1946, 46: 1377.

—— Types: Coccidioidosis.

Denenholz, E. J., & Cheney, G. Diagnosis and treatment of chronic coccidioidomycosis. Arch. Int. M., 1944, 74: 311–30.—**Lee, R. V.** Coccidioidomycosis; in the Western flying training command. California West. M., 1944, 61: 133.—**Shelton, R. M.** A survey of coccidioidomycosis at Camp Roberts, California. J. Am. M. Ass., 1942, 118: 1186–90.

—— Types: Common cold.

See also **Influenza.**

Lightfoot, C. Some effects of the common cold upon speech; psychological studies of training techniques. 27 l. 28cm. Port Wash., 1949.

Forms No. 411–1–8, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Blitch, C. G., & Doyle, J. F. The efficacy of cold vaccine; an investigation conducted among soldiers. Mil. Surgeon, 1939, 84: 46–52.—**Brewster, J. M.** Benadryl as a therapeutic agent in the treatment of the common cold. U. S. Nav. M. Bull., 1947, 47: 810. ——— Antihistaminic drugs in the therapy of the common cold. Ibid., 1949, 49: 1–11.—**Brorson, S.** [Investigations on the effect of vaccination for colds] Militaerlaegen, 1940, 46: 99–104.—**Brown, E. E.** Colds on two Aleutian islands. Bull. U. S. Army M. Dep., 1946, 6: 79–82.—**Dust** in the air; cold in the head. Bull. Army M. Dep., Lond., 1943, No. 28, 6.—**Kern, R. A.** Abuse of sulfonamides in the treatment of acute catarrhal fever. U. S. Nav. M. Bull., 1945, 44: 686–94.—**Parsons, H. H.** Eosinophilic (acidophilic) bodies in the common cold. Mil. Surgeon, 1940, 86: 543.—**Randolph, A. C.** Care of the common cold. Bull. U. S. Army M. Dep., 1947, 7: 857–60.—**Schlichting.** Verhütung von Erkältungskrankheiten durch Chinin. Deut. Militärarzt, 1938, 3: 357.—**Schneider, H.** Erkältungskrankheiten. Militärsanität, Zür., 1946, 28: 86–9.—**Short, J. J., Toomey, L. O.** [et al.] Comparison of 4 routine procedures in the treatment of acute catarrhal fever. U. S. Nav. M. Bull., 1944, 42: 848–51.—**Zhukovsky, E.** [Use of autohemotherapy in so-called colds] Voen. san. delo, 1937, No. 11, 98–101.

—— Types: Epidemic encephalitis.

See **Encephalitis.**

—— Types: Hepatitis.

See **Hepatitis.**

—— Vector.

Arthropod-borne infections. In: Prev. Med. in World War II, Wash., 1948, 8: 206–14.—**Huff, C. G.** Insects, disease, and modern transportation. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 76–88.—**Insect-borne** diseases. In: Prev. Med. in World War II, Wash., 1948, 3: 19–23.—**Wright, H. E.** Tick-borne diseases of the Northwest. Ibid., 8: 207–14.

—— Virosis.

See also names of viral diseases as **Encephalitis; Hepatitis,** etc.

Joseph, A. War and viruses. Pharm. Advance, 1942–44, 14: No. 157, 5–8.—**Smorodincev, A.** Virusy (virus) In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 722–6.

—— in war.

Hill, J. H. Silent enemies; the story of the diseases of war and their control. 266p. 21½cm. N. Y., 1942.

Major, R. H. Fatal partners, war and disease. 342p. 23½cm. Garden City, 1941.

Müller, O. Der Krieg und die Infektionskrankheiten. 23p. 24cm. Tüb., 1915.

Forms No. 9, Durch Kampf z. Frieden.

Abdulkadir Noyan [War epidemics] Askeri sihhiye mecmuasi, 1940, 69: i–vii.—**Archibald, A. M.** War brings epidemics; is your child protected? Health, Toronto, 1943, 11: No. 3, 6.—**Arnstein, M. G.** Communicable disease in wartime. Pub. Health Nurs., 1943, 35: 194–6.—**Cannon, P. R.** War, famine and pestilence. Sc. Month., 1943, 56: 5–14.—**Castro, M.** Guerra e peste. Impr. méd., Rio, 1942, 18: No. 348, 93–5.—**Dawson, J. A., & Kessler, W. R.** Biology and war. Biol. Rev. City Coll., N. Y., 1943, 5: 3–7.—**Day, A. A.** Infection and war. Q. Bull. Northwest. Univ. M. School, 1946, 20: 169–74.—**Dearing, W. P., & McKneely, T. B.** War time problems in communicable disease control. Bull. Am. Coll. Surgeons, 1944, 29: 147–52.—**Diego, J.** Guerras y pestes. Horiz. méd., Méx., 1944, 2: 117–26.—**Drake, C. B.** War and pestilence. Minnesota M., 1944, 27: 634–40.—**Drigalski, W. v.** Weltkrieg, Seuche und Infektion. In his Aufstieg d. San. Korps, Oldenb., 1939, 62–70.—**Fromme, W.** Uebertragbare Krankheiten und Krieg. Arch. Hyg., Münch., 1943, 129: 66–73.—**Gordon, R. M.** Biology in wartime. Irish J. M. Sc., 1946, 145–59.—**Hasenjaeger, E.** Taking the offensive on the germ front. Trained Nurse, 1943, 110: 101–5.—**Holla, W. A.** War and infectious disease. Westchester M. Bull., 1943, 11: No. 4, 10; passim.—**Holler, G., Schickel, A., & Zajitschek, R.** Ueber die Kriegsseuchen. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 10–36.—**Infectious** diseases in war. Brit. M. J., 1941, 2: 341.—**Keefer, C. S.** Epidemic diseases in wartime. Med. Clin. N. America, 1943, 27: 1201–11.—**Kohler, F.** Moderne Kriegsseuchen. Militärsanität, Zür., 1946, 28: 77–80.—**Liškutín, J.** Infekční choroby a epidemie v první a druhé světové válce. Lek. wojsk., 1943, 35: 99–121.—**Mackie, T. T.** Wars and epidemics. In: March of Med. (N. York Acad. M.) N. Y., (1944) 1945, 93–112.—**McKinnon, N. E.** War time

problems in communicable disease control. Bull. Am. Coll. Surgeons, 1944, **29:** 145.—**Martelli, C.** Malattie belliche. Rinasc. med., 1943, **20:** 1.—**Oettingen, W.** Die Infection im Kriege; mit Ausschluss der specifischen Infectionen und der allgemeinen Infection. Verh. Deut. Ges. Chir., 1913, **42:** 2. T. 496–513; Disk., 1. T., 233–40.—**Osborne, W. A.** War and infectious disease. Australas. J. Pharm., 1943, **24:** 126.—**Palanca, J.** Las epidemias de la postguerra. Sem. méd. españ., 1943, **6:** 359–75.—**Pickles, W. N.** Rural epidemiology; epidemic disease in English village life in peace and war. Med. Off., Lond., 1942, **68:** 113.—**Ricalde Gamboa, R.** La guerra y las epidemias relacionadas con ella. Pasteur, Méx., 1945, **1:** 53–61.—**Rivers, T. M.** Epidemic diseases. Proc. Am. Philos. Soc., 1947, **91:** 88–94.—**Rolleston, J. D.** War and infectious diseases. Clin. J., Lond., 1945, **74:** 85–97.—**Shaw, E. B.** Communicable diseases in war time. California West. M., 1944, **61:** 235.—**Spitta, O.** Die Kriegsseuchen und ihre Einwirkung auf die Zivilbevölkerung. Gesundh. Ingenieur, 1947, **68:** 11–4.—**Störmer, A.** Infektionskrankheiten im Lichte der Kriegserfahrungen. Med. Klin., Münch., 1946, **41:** 305–10.—**Stokes, J.,** jr. Contagious diseases in wartime. J. Pediat., S. Louis, 1942, **21:** 106–9.—**Zuckermann, C., & Bustamante, M. E.** Epidemias de guerra. Proc. Internat. Coll. Surg. (1941) 1943, 3. Congr., 163–5.

EPIDEMIC Control Board.

United States. Army Epidemiological Board. Report to the Surgeon General, U. S. Army, June 30, 1941. v. p. 28cm. Wash. [?] 1941.

United States. Armed Forces Epidemiological Board. Collected reprints. Wash., v.**1,** 1941/43–

United States. War Department. Surgeon General's Office. Preventive Medicine Service. Board for the Investigation and Control of Influenza and Other Epidemic Diseases in the Army. Collected papers. Wash., v.**1,** 1944–

Army (The) Central Epidemic Control Board. J. Am. M. Ass., 1942, **118:** 463.—**Bayne-Jones.** Army Epidemiological Board. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 113.

—— Commissions.

United States. Armed Forces Epidemiological Board. Commission on Acute Respiratory Disease. Annual report. Wash. (1946/47) 1947–

—— Quarterly progress report. Wash., No. 8, 1948–

United States. Armed Forces Epidemiological Board. Commission on Air-Borne Infections. Report. Wash., 1943/44–

—— History of the Commission on Air-Borne-Infections, 1941–45. MS. 47p. 1945.
MS. in Histor. Div. SGO U. S. Army.

United States. Armed Forces Epidemiology Board. Commission on Environmental Hygiene. Report. Wash. (1946/47) 1947–

—— Progress report. Wash., No. 1, 1948–

United States. Armed Forces Epidemiological Board. Commission on Epidemiological Survey. Annual report. Wash. (1943/44) 1944–
Title varies, 1943/44 as Report.

United States. Armed Forces Epidemiological Board. Commission on Hemolytic Streptococcal Infections. Report. Wash. (1943/44) 1944–

United States. Armed Forces Epidemiological Board. Commission on Immunization. Annual report. Wash., 1. (1947/48) 1948–

—— Quarterly progress report. Wash., No. 6, 1948–

United States. Armed Forces Epidemiological Board. Commission on Influenza. Report. Wash. (1943/44) 1944–

—— Quarterly progress report. Wash., No. 8, 1948–

United States. Armed Forces Epidemiological Board. Commission on Liver Diseases. Annual report. Wash., 1. (1947/48) 1948–

—— Quarterly progress report. Wash., No. 2, 1948–

United States. Armed Forces Epidemiological Board. Commission on Measles and Mumps. Report. Wash., 1943/44–

United States. Armed Forces Epidemiological Board. Commission on Meningococcal Meningitis. Annual report. 1943/44–1946. 3v. 28cm. Wash., 1944–46.

United States. Armed Forces Epidemiological Board. Commission on Neurotropic Virus Diseases. Annual report. Wash.(1943/44) 1944–

—— History of the Commission on Neurotropic Virus Diseases, 1941–45. MS. 52p. 1945.
Also Appendix. MS. in Histor. Div. SGO U. S. Army.

United States. Armed Forces Epidemiological Board. Commission on Pneumonia. Report of the activities. Wash., 1943/44–

—— History of the Commission on Pneumonia, between May 1941 & Dec. 1945. MS. 28p. [After 1945]
MS. in Histor. Div. SGO U. S. Army.

United States. Armed Forces Epidemiological Board. Commission on Tropical Diseases. Report. Wash. (1943/44) 1944–

United States. Armed Forces Epidemiological Board. Commission on Virus and Rickettsial Diseases. Annual report. Wash. (1946/47) 1947–

—— Quarterly progress report. Wash., No. 9, 1948–

Bayne-Jones, S. The United States of America Typhus Commission. Army M. Bull., 1943, No. **68:** 4–15.—**Eight** decorated for typhus control service. J. Am. M. Ass., 1944, **125:** 915.—**Three** members of Typhus Commission receive awards. Ibid., 562.

EPIDEMIC hemorrhagic fever.

Mayer, C. F. Epidemic hemorrhagic fever; preliminary draft. 83p. 4°. Washington, 1951.

Smorodincev, A. A. [et al.] Etiologia i klinika hemorragićeskogo nefrozo-nefrita. 46p. 8°. Moskva, 1944.

Takami, R. M. Epidemic hemorrhagic fever. 12 l. 4°. [n. p.] 1951.

Abrikosov, A. I. Hemorragićeskij nefrozo-nefrit. In his Osnovy častnoi pat. anat., 4. ed., Moskva, 1950, 420.—**Churilov, A. V.** Klinika tak nazyvaemogo infekcionnogo nefrozonefrita. Klin. med., Moskva, 1941, **19:** 78, &c. ——— Problema hemorragićeskogo nefrozonefrita; klinika. Arkh. biol. nauk, 1941, **62:** 44 &c.—**Cygankov, G. M.** Klinika tak nazyvaemogo infekcionnogo nefrozonefrita. Klin. med., Moskva, 1941, **19:** 105 &c.—**Dunaevsky, M. I.** Problema hemorragićeskogo nefrozonefrita; izmenenija krovi. Arkh. biol. nauk, 1941, **62:** 53 &c.—**Hamazaki, Y.** Ryūkō-sei syukketu-netu. Nippon rinsyō, 1946. **4:** 61. ——— **& Ozawa, S.** Ryūkō-sei syukketu-netu no byōri tiken hoi. Okayama igakkai zassi, 1944, **56:** 757 &c.—**Honzin, R., Kurata, Y., & Ikeda, K.** [Studies on inflammation; a new discase, febris haemorrhagica infectiosa] Nippon byōrigakkai kaisi, 1944, **34:** 10.—**Isibasi, T.** Ryūkō-sei syukketu-netu byōri-kaibōgaku-teki kenkyū. Gun idan zassi, 1944, **372:** 501.—**Kisimoto, M.** Ryūkōsei syukketu-netu no hati hōken rei ni tuite. Okayama igakkai zassi, 1949, **61:** 60.—**Kitano, H.** Ryūkō-sei syukketu-netu ni kan-suru kenkyū. Gun idan zassi, 1944, **370:** 269. Also Mansyū igaku zassi, 1944, **340:** 191. Also Nippon densenbyō gakkai zassi, 1944, **18:** 1 etc.—**Leibin, L.** Problema hemorragićeskogo nefrozonefrita; patologo-anatomoćeskaja kartina. Arkh. biol. nauk, 1941, **62:** 64 &c.—**Maekawa, M.** Iwayuru Songō-netu. Zikken ihō, 1943, **29:** 334 &c.—**Mayer, C. F.** Epidemic hemorrhagic fever of the Far East; or endemic nephroso-nephritis; a short outline of the disease with supplemental data on the results of experimental inoculation of human volunteers. Mil. Surgeon, 1952, **110:** 276–84.—**Okamura, M.** Kyū-sei tyūyōtokki-en to ayamara-retaru ryūkō-sei syukketunetu. Gun idan zassi, 1943, 966–72.—**Ono, K.** Ryūkō-sei syukketu-netu ni kan-suru keiken. Iwate igaku senmon gakkō zassi, 1944, **7:** 9.—**Reznikov, A. I.** K voprosu o tak nazyvaemykh infekcionnykh nefrozo-nefritakh. Voen. san. delo, 1940, **6:** 25 &c.—**Rotenburg, S. S.** Svoeobraznyi infekcionnyi nefrit. Ter. arkh., 1940, **18:** 156, &c.—**Satō, T.** Ryūkō-sei syukketu-netu no byōri-sosiki syoken un idan zassi, 1944, **372:** 545. —**Smorodincev, A.** Nefrozo-

nefrit hemoragicheskij. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1343–7.—**Suzue, K.** Ryūkō-sei syukketu-netu byōri kanken. Nippon igaku oyobi kenkō hoken, 1943, No. 331, 15.—**Terskikh, V. I., Narcissov, N. B., & Smirnov, M. R.** Endemicheskii nefrozo-nefrit i leptospiroznaja vodnaja likhoradka. Klin. med., Moskva, 1941, 19: 68 &c.

EPIDEMIOLOGY.

See also **Bacteriology,** Laboratory; **Epidemic; Immunology;** also names of specific epidemic diseases.

Brazzaville, French Equatorial Africa. Institut Pasteur de Brazzaville. Rapport sue le fonctionnement technique. Brazzaville, 1943–

Boldyrev, T. E. Problemy epidemiologii v voennoe vremja. In: Dost. sovet. med. Oteč. vojny, 1943, 1: 7–16. Also English transl. In: Microb. & Epidem. (Babsky, E. B.) Lond., 1945, 7–16. ——— Protivoepidemicheskie meroprijatija. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 922–9. ——— Epidemiologia voennaja. Ibid., 5: 1228–43.—**Burgasov, P.** Epidemiologicheskaja karta. Ibid., 1220–2, 3pl.—**Cheever, F. S.** The teaching of epidemiology at the Naval Medical School. Hosp. Corps Q., 1944, 17: No. 2, 17–20.—**Davide, H.** Bakteriologi och epidemiologi under krigsförhållanden. In: Handledn. & Försvarsmed., Stockh., 1940, 1: 38–61.—**Foley, G. E.** Present-day concepts of epidemiology. U. S. Nav. M. Bull., 1948, 48: 386–90.—**Galambos, A.** Epidemiology in wartime. N. York Physician, 1942–43, 19: No. 4, 28; No. 5, 30.—**Kuzminsky, A. S.** Eščе o vedenii epidemiologicheskikh kart. Voen. san. delo, 1940, No. 8, 104. ——— K metodike vedeniia epidemiologicheskoi karty v voiskovom raione. Ibid., 1941, No. 4, 67–72.—**Magnitsky, V.** K voprosu o vedcnii epidemiologicheskikh kart. Ibid., 1940, No. 4, 61–6.—**Petrosian, Y. L.** Metodika i praktika vedenija sanitarno-epidemiologicheskoj karty. Ibid., No. 8, 56–65.—**Pugačev, K. F.** [Conference of epidemiologists at the front] Ibid., 1942, No. 9, 74.—**Recommendations** for course of instruction in epidemiology. Hosp. Corps Q., 1943, 16: No. 3, 265.—**Rogozin, I. I.** The institutes of epidemiology and microbiology during the Patriotic War. In: Microb. & Epidem. (Babsky, E. B.) Lond., 1945, 153–8.—**Roždestvensky, V.** Epidemiologicheskoe obsledovanie. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1222–8. **Rudnev, G. P., & Sokolova, N. M.** [Epidemiological tables] Voen. san. delo, 1943, No. 2, 43.—**Simmons, J. S.** Epidemiology in the army. Army M. Bull., 1940, 53: 36–44.—**Skvorcov, V. V.** [The work of the epidemiological laboratories] Voen. san. delo, 1942, No. 11, 53–6.

——— Organization.

Benjaminson, E. Sanitarno-epidemiologicheskij otrjad armii. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1411–3.—**Boldyrev, T.** Epidemiolog voennyi. Ibid., 5: 1217–20. ——— & **Korostelev, V.** Protivoepidemicheskaja zaščita vojsk. Ibid., 4: 914–22.—**Korostelev, V.** Protivoepidemicheskaja zaščita v VMS. Ibid., 921.—**Semaško, N. A.** [Sanitary epidemiological work in rural districts during the war] Hig. & san., Moskva, 1944, 9: No. 6, 33–7.—**Uvarov, M. M.** [Sanitary epidemiological stations during the present war] Ibid., No. 9, 30–8.

EPIDERMOLYSIS bullosa.

See with **Dermatosis.**

EPIDERMOPHYTOSIS.

See also **Dermatophytosis; Foot,** Mycosis.

Duggan, T. L. Investigation of the fungistatic activity of reagents that might be suitable for use in the treatment of epidermophytosis. 12p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-469, U. S. Nav. M. Res. Inst.

Arraud, C. Epidermomycose interdigito-plantaire. Arch. méd. pharm. nav., 1934, 124: 544–50.—**Athlete's** foot. Bull. U. S. Army M. Dep., 1944, No. 82, 19.—**Beckjord, P. R.** The prophylaxis and treatment of epidermophytosis of the feet. Mil. Surgeon, 1941, 89: 895–8.—**Derzavis, J. L., & Poppen, J. R.** A campaign against athlete's foot. U. S. Nav. M. Bull., 1944, 43: 600–2.—**Digneo, E. M.** Control of athletes foot. Hosp. Corps Q., 1946, 19: No. 5, 21.—**Duggan, T. L.** Investigation of the fungistatic activity of reagents that might be suitable for use in the treatment of epidermophytosis. Rep. Nav. M. Res. Inst., 1944, 1–5, 7 tab.—**Fitz-Hugh, T., jr, Livingood, C. S., & Rogers, A. M.** Dhobie mark dermatitis. Bull. U. S. Army M. Dep., 1943, No. 69, 55–8.—**Haulon, S.** Vicissitudes du traitement des épidermophyties. Rev. méd. nav., Par., 1946, 1: 413–7.—**Investigation** of the fungistatic activity of reagents that might be suitable for use in the treatment of epidermophytosis. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 37.—**Leitman, D. S.** Epidermofitija stop. Voen. san. delo, 1940, No. 6, 62–7.—**Memmesheimer, A. M.** Die Erkennung und Behandlung der Epidermophytie. Deut. Militärarzt, 1940, 5: 386–9.—**Monacelli, M.** Le epidermofizie nella pratica dermatologica militare. Atti Soc. ital. derm. sif., 1941, 4: 242–4. ——— Note e osservazioni su le epidermofizie. Ann. med. nav., Roma, 1943, 49: 3–16, 2 pl.—**Radovicky, G. A.** [Epidermophytosis of feet and hands] Voen. san. delo, 1943, 12–23.—**Rouse, J. W. H., & Hadly, W. A.** Army experience with ids. Mil. Surgeon, 1941, 89: 798–801.—**Sanò, M.** Sul contagio della epidermofizia inguinale; considerazioni personali. Ann. med. nav., Roma, 1949, 54: 283–6. ——— Contributo alla terapia della epidermofizia inguinale. Ibid., 316–9.—**Sneddon, I. B.** Epidermophyton infections of the skin. J. R. Nav. M. Serv., 1942, 28: 154–60.—**Taylor, S. J.,** jr. A simple treatment for epidermatophytosis. Mil. Surgeon, 1942, 91: 93–6.—**Venkei, T.** Az epidermomykosisok kezelese. Honvédorvos, 1950, 2: 701–14, illust.

EPIDIDYMITIS.

See also **Genitals; Gonorrhea; Injury; Urogenital apparatus.**

Barton, J. D. M. Two cases of subacute epididymitis. J. R. Nav. M. Serv., 1941, 27: 72.—**Epididymitis.** Bull. Army M. Dir., Lond., 1942, No. 13, 6.—**Garafalo, F.** I fibromiomi dell'epididimo. Gior. med. mil., 1941, 89: 436–42.—**Investigation** of non-specific epididymitis. Bull. Army M. Dep., Lond., 1943, Suppl. No. 10, 1–4.—**Non-specific** epididymitis. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 58–60.—**Nonspecific** epididymitis. J. Am. M. Ass., 1943, 122: 458.

EPILEPTIC.

Lennox, W. G., & Walker, A. E. The treatment of the epileptic veteran. 18p. 27cm. Wash., 1947.

Forms Techn. Bull. TB 10–28, U. S. Veterans Admin.

United States. Veterans Administration. Technical bulletin TB 10A–46: Designated center for diagnosis, treatment and follow-up studies of patients suffering from genetic epilepsy. 2p. 27cm. Wash., 1947.

Deutsch, A. L., & Zimmerman, J. A plan for the treatment and rehabilitation of epileptic veterans. N. York State J. M., 1947, 47: 1284.—**Duval & Trinité-Schillemans, A.** Importantes malformations craniennes chez un épileptique. Bull. Soc. méd. mil. fr., 1947, 41: 35.—**Fox, J. T.** Epileptics in air-raids. Lancet, Lond., 1941, 1: 631.—**Lehman, A.** Placement of applicants with epilepsy. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 138–41.—**Lennox, W. G.** Rehabilitation of epileptic service men. Am. J. Psychiat., 1943–44, 100: 202–4. Also Collect. Papers Dep. Neuropath. Harvard M. School, 1944, 13: No. 47, 202–4. ——— & **Cobb, S.** Employment of epileptics. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 567–79.—**Prudhomme, C.** Dilantin sodium in the treatment of epileptic Negroes. Med. Bull. Veterans Admin., 1941–42, 18: 148–52.—**Roseman, E.** The epileptic in the Army. Am. J. Psychiat., 1944–45, 101: 349–54.—**Schmidt, W.** Die unerlaubten Entfernungen der Epileptiker. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 161–7.

EPILEPSY.

See also **Neurosis,** Convulsive states.

India. Army. Medical Directorate India. Technical instructions No. 6. Memorandum on neurology; Epilepsy. p.1–2. 34cm. N. Delhi, 1943.

In: Techn. Instr. Med. Dir. Army India, 1943, No. 6/7.

Schmidt, W. Fuguezustände und Epilepsie. p.137–67. 24½cm. Berl., 1918.

In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918.

United States. Veterans Administration. Technical bulletin TB 10A–170: Observation of seizure; use of VA Form 10–2614d–2a, Report of Seizure. 2p. 27cm. Wash., 1949.

Bailey, P. War and epilepsy and the Veterans Administration. Res. Pub. Ass. Nerv. Ment. Dis., 1947, 26: 529–35.—**Bandeira de Mello, N.** Constituição e epilepsià. Rev. med mil., Rio, 1941, 30: 350–77.—**Biagini, G.** Il fenomeno d'ostacolo di Donaggio negli epilettici. Gior. med. mil., 1941, 89: 176–80.—**Borgarello, G.** La diagnosi di epilessia in medicina legale militare. Ibid., 1943, 91: 44–8.—**Braun, F.** Epilepsie, Militär und Ehe. Praxis, Bern, 1942, 31: 74.—**Cappon, D.** The pitressin hydration test in the diagnosis of epilepsy. J. R. Army M. Corps, 1947, 89: 132–5.—**Chor, H.** Some aspects of epilepsy in the Navy. Dis. Nerv. Syst., 1946, 7: 37–46.—**Cullins, J. G., Morgan, J. D., & Corum, C. L.** Influence of cevitamic acid in idiopathic epilepsy, preliminary report. Med. Bull. Veterans Admin., 1941–42, 18: 301–3.—**De Niederhäusern, A., & Moruzzi, G.** Problemi patogenetici e diagnostici nello studio dell'epilessia umana. Gior. med. mil., 1942, 90:

881–910.—**Fergusson, I.** Some problems of epilepsy in the Royal Navy. J. R. Nav. M. Serv., 1946, **32:** 112–4.—**Fulmer, J. C.** Removal of large area of calvarium in epilepsy. Med. Bull. Veterans Admin., 1939–40, **16:** 280.—**Furtado, D.** O problema da epilepsia e a medicina militar. Clín. hig. & hidr., Lisb., 1935, **1:** 346–57.—**Gardner, W. A.** The use of sodium diphenyl hydantoinate, dilantin, in epilepsy. Med. Bull. Veterans Admin., 1940–41, 17: 372–5.—**Hilger, D. W., Mueller, A. R., & Freed, A. E.** The pitressin hydration test in the diagnosis of idiopathic epilepsy. Mil. Surgeon, 1942, **91:** 309–13.—**Importance** of history in the differential diagnosis of fits. Bull. Army M. Dir., Lond., 1941, No. 4, 1. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 54.—**Lennox, W. G.** Epilepsy and paroxysmal neuropsychiatric syndromes. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 203–25.—**Martínez, J. M.** Indicaciones quirúrgicas en las epilepsias focales, valor del neumoencefalograma y del electroencefalograma. Rev. san. mil. argent., 1949, **48:** 51–6.—**O'Brien, J. F.** Epilepsy or hysteria; a study of convulsive seizures and unconscious states in one hundred exservice men. Boston M. & S. J., 1925, **192:** 103–7.—**Pacheco e Silva, A. C.** As epilepsias. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 73–83.—**Parsons, H. H.** Eosinophilic bodies in the blood of epileptics. Mil. Surgeon, 1942, **91:** 97.—**Prudhomme, C.** The antagonistic action of sodium amytal and benzedrine sulfate, amphetamine, in serial epileptic episodes. Med. Bull. Veterans Admin., 1942–43, 19: 186–90.—**Sereisky, M.** Epilepsia. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 1253–5.—**Tatarelli, G.** L'epilessia; considerazioni cliniche e medico legali sull'art. 28 E. I. per la Marina. Ann. med. nav., Roma, 1948, **53:** 79–96.—**Teixeira, N. L.** Testes diagnósticos para a determinação do limiar epileptógeno. Rev. med. mil., Rio, 1945, **34:** 39–55.

—— traumatic.

See also **Head injury.**

Jourdran, M. L. M. *Crises nerveuses chez les blessés de guerre crânio-cérébraux. 88p. 8° Bord., 1917.

United States. Veterans Administration. Technical bulletin TB 10A–135: Post-traumatic epilepsy center. 2p. 27cm. Wash., 1948.

Baruk, H. Les crises nerveuses généralisées; séméiologie; diagnostic; conduite à tenir notamment en neuro-psychiatrie militaire. Ann. méd. psychol., Par., 1944, **102:** pt 2, 245–78.—**Jasper, H.** The value of electroencephalography in the diagnosis of post traumatic and other forms of epilepsy. Proc. Com. Army M. Res. (Canada) 1944, 5. meet., No. 4, C.6123, 1–12.—**Manceaux, A., & Susini, R.** Les crises nerveuses dans l'armée; étude portant sur 1.100 cas. Algérie méd., 1946, 331–4.—**Quadfasel, F. A., & Walker, A. E.** Problems of post-traumatic epilepsy in an Army general hospital. Res. Pub. Ass. Nerv. Ment. Dis., 1947, **26:** 461–75.—**Sachs, E.** Two important post-war problems in neurological surgery. Dis. Nerv. Syst., 1946, 7: 221.—**Siris, J. H.** The management of post-traumatic epilepsy. U. S. Nav. M. Bull., 1944, **42:** 144–9.—**Trani, N., & Giacanelli, V. U.** Su di un caso di epilessia riflessa da ferita di guerra. Gior. med. mil., 1941, **89:** 181–6.

EPISCLERITIS.

See under **Eye,** Disease.

EPIZOOTIC.

See also such terms as **Foot and mouth disease; Glanders,** etc.; also under names of animals such as **Dog; Horse,** etc.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 57: Heeres-veterinärvorschrift. Anh. 2: Seuchenvorschrift. 221p. 15cm. Berl., 1930.

—— [Heeres-Druckvorschrift] H. Dv. 61/5: Kolonial-Veterinärvorschrift; Tierseuchen; Bekämpfung und Behandlung [Reprint] 215p. 15cm. Berl., 1942.

Miessner, H. Kriegstierseuchen und ihre Bekämpfung; Leitfaden für Veterinäroffiziere, beamtete und praktische Tierärzte. 161p. 23cm. Hannover, 1915.

—— [The same] Epizoötics and their control during the war. Transl. by A. A. Leibold. 215p. 21cm. Chic., 1917.

Boldyrev, T. Epizootia. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 1252.—**Communicable** disease problems of the veterinarian in wartime. Vet. Med., Chic., 1942, **37:** 495.—**Eichhorn, A.** Personal survey of wartime animal-disease control in Great Britain. J. Am. Vet. M. Ass., 1942, **100:** 7–11.—**Todd, F. A.** Historical sketch of the development of the control of animal diseases in Germany. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5:** No. 4, 45–50.—**Wagener, K.** Die Hühnerpest, Geflügelpest, als Kriegstierseuche. Berl. tierärztl. Wschr., 1941, 537.

—— experimental.

See **Bacteriological warfare.**

EQUILIBRIUM [incl. vestibular apparatus]

See also **Aviator,** Equilibrium.

Birren, J. E. Static equilibrium and vestibular function. 8p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3, Res. Proj. X–293, U. S. Nav. M. Res. Inst.

—— & Fisher, M. B. Standardization of two tests of postural equilibrium; the railwalking test and the ataxiagraph. 13p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–293, U. S. Nav. M. Res. Inst.

Coermann, R. Untersuchungen über die Einwirkung von Schwingungen auf den menschlichen Organismus. Luftfahrtmedizin, 1939–40, **4:** 73–117.—**Sommer, J.** Zur Frage der Einwirkung von mechanischen Schwingungen auf den Eigenreflexapparat des Menschen. Ibid., 292.—**Standardization** of two tests of postural equilibrium; the railwalking test and the ataxiagraph. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 25.

EQUIPMENT.

See also such terms as **Ambulance; Ammunition; Bag; Burner; Cabinet; Camp,** Hygiene and sanitation; **Chair; Chemical warfare,** Equipment; **Chest; Clothing; Destructor; Dressing; Field case; Hospital construction,** Equipment; **Kit; Nutrition service,** Equipment; **Oxygen equipment; Weapon,** etc.

Contributions to the theory and knowledge of the design of equipment. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1948, No. 1, 259.—**Ferrabouc, L.** La tenue militaire de campagne. Rev. méd. fr., 1938, **19:** 403–24.—**Krotkov, F., & Jakovenko, V.** Obmundirovanie. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1418–31.—**Riabov, P.** Kipiatilniki. Ibid., **2:** 1218–22.—**Shaposhnikov, A.** Ekipaž flotskij. Ibid., **5:** 1115–20.

—— aero-medical.

See also **Aeromedicine.**

United States. Navy. Aero-Medical Department. Weekly memorandum for Equipment and Material Section, Bureau of Aeronautics. 9 December 1944. 2p. 27cm. Phila., 1944.

For further reports see Monthly memorandum ...; U. S. Navy Aero Medical Equipment Laboratory.

Barr, S. S., & Baime, J. E. Portable flight surgeon's examining room. Air Surgeon Bull., 1945, **2:** 55.—**Ledfors, G. E.** History of progressive changes in equipment used by the Medical Department. J. Aviat. M., 1945, **16:** 356.—**Lovelace, W. R., II, & Resch, J. A.** Flight testing of items of medical equipment used by military pilots and their crews. Collect. Papers Mayo Clin. (1943) 1944, **35:** 826–31. Also J. Aviat. M., 1944, **15:** 26–31.—**Medical** field equipment for the air corps. Army M. Bull., 1936, **35:** 25–7.

—— Aviator's.

Gagge, A. P. Personnel equipment problems in ETOUSA and NATOUSA. 7 l. 28½cm. Dayton, 1943.

Forms No. ENG–49–695–34, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hanselman, N. K. Ice saw-snow knife with shovel, detachable handle type. 5 l. 27cm. Dayton, 1949.

Forms No. MCREXD–670–22I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Haas, F. E. Personal equipment program, Fourth Air Force. Air Surgeon Bull., 1945, **2:** 188.—**Trockman, R. J.** Personal equipment program in the Eighth Air Force. Ibid., 186.

—— dental.

See **Dental equipment.**

—— medical.

See also names of equipment; also such terms as **Destroyer; Drug; Emergency medical field unit; Instrument**; etc.

[Germany] Heer. Dienstvorschrift 5: Entwurf: Vorschrift für die Behandlung der Sanitätsausrüstung und für die Herstellung von Verband- und Arzneimitteln. 153p. 21cm. Berl., 1935.

—— Packordnung des Satzes (a) Truppensanitätsausrüstung. 16p. 8°. Berl., 1937.

Johnson, J. B., jr, & Wilson, G. H. A history of wartime research and development of medical field equipment. Part I. Medical Department Litter Program. Part II. Medical Department Vehicle Program. MS. 730p. [Before June 1946]

MS. in Histor. Div. SGO U. S. Army.

United States. Army. 5250th Technical Intelligence Company. Medical Analysis Section. Japanese medical equipment report. Tokyo, No. 151, 1945–

Title varies according to the type of material handled; alternate title is: Japanese medical material report.

United States. Department of the Army. Technical bulletin TB MED 186: Moisture-proofing and fungi-proofing (tropicalizing) Medical Department equipment. Rev. ed. 7p. 26cm. Wash., 1950.

Werthmann, H. Das Sanitätsgerät des Feldheeres. 2. Aufl. 258p. 19cm. Münch., 1944.

Forms Bd 5, Taschenbücher des Truppenarztes.

—— & Willecke, W. [The same] [1. Aufl.] 221p. 19½cm. Münch., 1942.

Alden, C. H. Recent changes in the field equipment of the Medical Department United States Army. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2:** 202–21.—**Combat** equipment, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3:** 251–62.—**Equipping** medical field units. Bull. U. S. Army M. Dep., 1943, No. 70, 2–4.—**Field Hospital, Ambulance Company,** and other divisional unit equipment. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3:** 263–88.—**Fischer.** Sanitätsausrüstung. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 210. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 255–7.—**Hays, S. R., & Morgan, C. V.** Modernization of equipment. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 66.—**Iliesco, P. C.** Rapport sur l'équipment sanitaire individuel du personnel subalterne des Services de santé au combat. Rev. internat. Croix Rouge, 1937, **19:** 18–53.—**Improvised** equipment. Field M. Bull. U. S. Army, N. Delhi, 1944, **3:** 98–102.—**Individual** equipment, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3:** 235–50.—**Johnson, J. B.,** jr, & **Wilson, G. H.** Outline used in preparation of individual development project histories included in monograph on wartime research and development of medical field equipment. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 728–31.—**Knoll, W.** Infektionskrankheiten; die chemischen Untersuchungsgeräte in der Feldsanitätsausrüstung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 24–7.—**Linthicum, E. S.** Hand cart or trailer for movement of medical equipment. Mil. Surgeon, 1940, **87:** 243–7.—**Mann, W. L., & Brown, A. B.** Experimental field medical equipment. U. S. Nav. M. Bull., 1941, **39:** 563–5, 2 pl.—**Moucka.** Chemische Geräte der Feldsanitätsausrüstung. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 211. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 257.—**Muddiman, J. B. C.** Japanese army medical equipment; typical field allocation and distribution. Med. Techn. Intellig. Field Rep., 1946, No. 5, 1–28.—**Muñiz Angulo, L.** Enseñanza y equipos en la sanidad militar norteamericana. Rev. san. mil., Habana, 1940, **4:** 316–22.—**Poliakov, N., & Rozanov, P.** Komplektnoe medicinskoe osnaśćenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1395–400.—**Randín y Vergara, J., Padilla y Céspedes, V. M.** [et al.] Informe sobre los equipos sanitarios en compañia y paz, usado por la marina e infantería de marina norteamericana en Caimanera, Guantánamo, Cuba. Rev. san. mil., Habana, 1941, 5: 136–41.—**Richards, T. W.** A new brigade medical outfit. U. S. Nav. M. Bull., 1914, **8:** 62–5.—**Roberts, R. H.** Some ship-made improvisations. J. R. Nav. M. Serv., 1941, **27:** 391–3.—**Spassky, V.** Termometr. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 475.—**Timofeevsky, P.** Spalnyi mešok. Ibid., 238–40.—**Unger & Maiss.** Problems of medical equipment from the pharmaceutical point of view. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 216.—**Zimmerman, H. A.** Compressed air atomizer. Bull. U. S. Army M. Dep., 1947, **7:** 246.

—— optical.

See also **Eyeglass; Optometry.**

Ellenbogen, A. Primenenie želtykh stekol na flote. Med. pribav. morsk. sbor., 1904, pt 2, 365–77, tab.—**Trimby, H.** Ophthalmic instruments for Uncle Sam. Bausch & Lomb Mag., 1942, **18:** No. 3, 6.

—— pharmaceutical.

See also **Drug;** also names of drugs; also **Therapeutics.**

Alcázar, A. Equipos farmacéuticos de campaña, en cajas transportables. Bol. farm. mil., Madr., 1935, **13:** 321–39.—**Apparatus** for dispensing corrosive agents. Bull. U. S. Army M. Dep., 1945, **4:** 419.—**Maíz Eleizegui, L.** Análisis físico y químico de los objetos de vidrio y caucho utilizados en los Servicios de Sanidad Militar. Bol. farm. mil., Madr., 1929, **7:** 129–52.

—— sanitary.

See also **Sanitation.**

Hanon-Valcke. Aérateur; pièces relatives aux expériences faites à la manutention militaire de Metz. 55p. 8°. Par., 1851.

United States. War Department. Office of the Adjutant General. Document No. 897. Notes on sanitary appliances, War Plans Division, April, 1919. 40p. 8°. Wash., 1919.

Cot & Genaud. La détection physiologique. Presse méd., 1939, **47:** 1029–31.—**Gončarov, P.** Kamera okurivanija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1111.—**Poliakov, N.** Sanitarno-khoziaistvennoe imuśćestvo. Ibid., **4:** 1407.—**Sanitary** cover for meat blocks. Bull. U. S. Army M. Dep., 1945, No. 84, 27.—**Ungerer.** Peculiarities of the Russian sanitary equipment. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 214.—**Zunjić, J.** O štednji sanitetskog materijala. Voj. san. pregl., Beogr., 1948, **5:** 248–51.

—— surgical.

See **Surgical equipment.**

—— Testing.

See such terms as **Desert; Environment,** etc.

—— veterinary.

See also **Veterinary medicine.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. No. 463: Beschreibung des veterinärärztlichen Geräts vom 4. Februar 1933. 108p. 21½cm. Berl., 1933.

Hess, H. E. Veterinary field equipment. Vet. Bull., Wash., 1937, **31:** 191–3.—**Veterinary** equipment and supplies, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3:** 629–58.

EQUIPMENT laboratory.

See also **Equipment; Laboratory.**

Dabney, A. S. The U. S. Army's Medical Department Equipment Laboratory; its research and contributions to field service. Mil. Surgeon, 1942, **91:** 1–16.—**Field** equipment museum. Bull. U. S. Army M. Dep., 1944, No. 78, 9–11.—**Kitagawa, Z.** Makō-situ sadan; rikugun no makō-zyutu ni tuite [...the grinding laboratory; workshop technic of the army] Ika-kikaigaku zassi, 1928–29, **6:** 411–3.—**McKinney, G. L.** Some recent activities and developments at the Medical Department Equipment Laboratory, Carlisle Barracks, Pa. Army M. Bull., 1936, No. 37, 37–56. ——— Current activities in the Medical Department Equipment Laboratory, Carlisle Barracks, Pennsylvania. Mil. Surgeon, 1939, **84:** 105–15.—**Medical** (The) Department Equipment Laboratory, Carlisle Barracks, Pa. Army M. Bull., 1923, No. 2, 36–43.—**Nakayama, Y.** Makō-situ sadan; rikugun makō seido oyobi kinmu ni tuite [...the grinding laboratory; regulations and duties in the army repair shops] Ika-kikaigaku zassi, 1928–29, **6:** 404–11.

EQUIPMENT officer.

Personal equipment officer. Air Surgeon Bull., 1944, **1:** No. 5, 16.—**Reynolds, S. R. M.** Personal equipment officers and the care of the flyer in the AAF. J. Aviat. M., 1945, **16:** 202–4, &c.

ERGOMETER.

Karpovich, P. V. Improvements in the frictional bicycle ergometer. 5 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 65, U. S. Air Force School Aviat. M.

Mata, L. Exploración de rendimiento del trabajo mental y físico en la unidad de tiempo. Rev. san. mil., B. Air., 1940, **39:** 230–8.

ERITREA.

See under **World War II.**

ERYSIPELAS [and erysipeloid]

Ferguson, L. K., Hand, E. A., & Strauch, J. H. Treatment of erysipeloid of Rosenbach with penicillin. U. S. Nav. M. Bull., 1947, **47:** 150–53.—**Gleiser, L. M.** Erysipelas infections in man and animals. Med. Bull. U. S. First Army, 1949, **4:** 14–7.—**Kohayakawa, K.** Tandoku no keika to hakkekkyū-sū no kankei ni tuite [... leucocyte count and the course of erysipelas] Gun idan zassi, 1938, No. 299, 313–27.—**Rushmore, R. W.** Avirulent swine erysipelas vaccine in Italy. Med. Bull. Medit. Theater U. S., 1945, **3:** 168.—**Swine** erysipelas. Bull. U. S. Army M. Dep., 1945, **4:** 159.

ERYTHEMA.

See also **Dermatosis; Skin.**

United States. Naval Medical Research Institute. Studies of experimental heat rash. 10p. 27cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Project X–479, Nav. Med. Res. Inst., U. S.

—— multiforme.

Duemling, W. W., & Lesney, T. A. Erythema multiforme; a study of 10 cases. U. S. Nav. M. Bull., 1945, **44:** 968–72.—**Erger, B. D.** Erythema multiforme pluriorificialis (Stevens-Johnson disease) Mil. Surgeon, 1944, **95:** 308–12.—**Gorman, J. E.** The Stevens-Johnson syndrome; report of two cases. U. S. Nav. M. Bull., 1949, **49:** 50–4.—**Hartley, L. P., & Nelson, C. F.** Erythema multiforme pluriorificialis (Stevens-Johnson disease) and Vincent's stomatitis. Army Dent. Bull., 1943, **14:** 119–30.—**Hoffman, I. L., & Stone, T. E.** Report of case of Stevens-Johnson disease. Mil. Surgeon, 1948, **102:** 494.—**Robertson, H. F., & Donovan, T. J.** Erythema multiforme exudativum or bullosum. Ibid., 1945, **96:** 259–62.—**Umiker, W., & Crofoot, M.** Stevens and Johnson's disease. U. S. Nav. M. Bull., 1946, **46:** 1466–9.

—— nodosum.

See also **Tuberculosis.**

Franco, H. da V. Eritema nodoso; considerações etiopatogênicas e ensaio terapêutico. Rev. med. mil., Rio, 1949, **38:** 95–101.—**Ramel, R.** Erythème noueux et assurance militaire. Vjschr. schweiz. Sanitätsoff., 1936, **13:** 83–9, illust.

ERYTHREMIA.

Chambers, W. E. Polycythemia vera. Med. Bull. Veterans Admin., 1932–33, **9:** 318.—**Gale, R. J., & Cook, W. R.** Erythremia; a case report. Med. Bull. Europ. Command, 1948, **5:** No. 7, 27–9.—**Korol, E., & Bogen, E. F.** Polycythemia; a study of 18 cases. Med. Bull. Veterans Admin., 1944–45, **21:** 188–200.—**Stanton, J., & Scharf, L. E.** Polycythemia vera rubra (erythremia) Ibid., 1943–44, **20:** 453.

ERYTHROCYTE [incl. erythrocytopoiesis]

See also **Blood transfusion,** Material: Red cells; **Erythremia; Flying; Hematology.**

Lozner, E. L., Lemish, S., & Schachman, H. K. Chemical and physicochemical studies on modified globin prepared from human erythrocytes. 13p. 26½cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X–352, U. S. Nav. M. Res. Inst.

Pace, N., Lozner, E. L. [et al.] The increase in hypoxia tolerance of normal men accompanying the polycythemia induced by transfusion of erythrocytes. 20p. 27cm. Bethesda, 1946.

Forms Rep. No. 2, Res. Proj. X–524, U. S. Nav. M. Res. Inst.

Yamada, M. Sekkekkyū teityō syokuen-eki sintō-atu teikō-ryoku sokutei no issin hōhō oyobi sono seiseki ni tuite; hu, zin-sekkekkyū bunruikei to no kankei ni tuite [... resistance of erythrocytes ...] p. 1495–554. 21cm. Tokyo, 1928.

Gun idan zassi, 1928, No. 186.

Ardry. Sur la conservation et l'utilisation alimentaire des hématies. Bull. Soc. méd. mil. fr., 1948, **42:** 170.—**Asihara, S.** [On Yoshida's reaction and Brosamlen's reaction of apparently healthy men whose sinking time of red blood cells accelerates continuously] Bull. Nav. M. Ass., Tōkyō, 1941, **30:** 370–9.—**Behnke, A. R.** Injection of red blood cells. Sympos. Mil. Physiol., Wash., 1947, 62.—**Chemical** and physicochemical studies on modified globin prepared from human erythrocytes. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 15.—**Increase** (The) in hypoxia tolerance of normal men accompanying the polycythemia induced by transfusion of erythrocytes. Ibid., 22.—**Krüpe, M.** A new method of following the fate of transfused erythrocytes; results with stored human blood. Bull. War M., Lond., 1941–42, **2:** 198 (Abstr.)—**Love, J., Ganz, R. N., & Fearon, H. D.** Adaptation of the Westergren method of sedimentation test. U. S. Nav. M. Bull., 1944, **42:** 947–9.—**Maupin.** Transfusion des globules rouges recueillis après la séparation du plasma. Rev. Corps san. mil., Par., 1948, **4:** 249–63.—**Negisi, Y.** Massyō ketueki-tyū ni okeru enki-sei sikō karyū sekkekkyū ni tuite [... basophilic granules in the erythrocytes ...] Gun idan zassi, 1927, No. 167, 483–566, tab. chart.—**Spingarn, C. L., & Jones, J. P.** Hyaluronic acid, a tissue polysaccharide; some effects on erythrocytes. U. S. Nav. M. Bull., 1945, **44:** 963–7.—**Tawara, H.** [Experimental investigation of influence of low pressure and its sudden change upon body weight, number or quantity of red blood cells, and sinking time of red blood cells of rabbits] Bull. Nav. M. Ass., Tōkyō, 1941, **30:** 77–94.—**Yazaki, T.** Rinsyō-zyo oyobi kenkō zyōtai kansatu-zyo sekkekkyū tinkō hannō no kati ni tuite [The value of erythrocytic sedimentation test in regard to the state of health and clinical observations] Gun idan zassi, 1929, No. 197, 605–64.

ESCAPE.

See **Aircrew,** Escape; **Prisoner of war,** Escape; **Submarine.**

ESOPHAGUS.

See also **Digestive system; Gastrointestinal tract.**

Boone, H. R., & Dailey, J. E. Foreign body (denture) in the esophagus. U. S. Nav. M. Bull., 1943, **41:** 167–71.—**Boosalis, N. G.** Carcinoma of the esophagus. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, **3:** 13–34.—**Bratesco, V., & Racoveano, V.** Sur les corps étrangers perforants de l'oesophage. Rev. san. mil., Bucur., 1934, **33:** 471–3.—**Codas Thompson, Q., & Iribas, C.** Hemorragias por várices esofágicas. Rev. san. mil., Asunción, 1943, No. 138, 129–36.—**Fox, J. R.** Chemical burn of the esophagus; report of a case from occupation forces in Japan. U. S. Nav. M. Bull., 1948, **48:** 118–20.—**Hynes, W. P., & Haynes, G. O.** Megaesophagus. Med. Bull. Veterans Admin., 1939–40, **16:** 285.—**Klein, L., & Grossman, M.** Rupture of the esophagus. Ibid., 1942–43, **19:** 277–83.—**Lindsay, W. L.** Pulsion diverticulum of the esophagus. Ibid., 1940–41, **17:** 407.—**Springorum, P. W.** Speiseröhrenverätzung durch konzentrierte Lauge beim Gebrauch des Tauchretters. Deut. Militärarzt, 1943, **8:** 45–8.—**Vahdettin Ozan.** Esophagus yabanci cisimlerinde nasil hareket etmelidir? Askeri sihhiye mecmuasi, 1944, **73:** No. 42, 1–9.

ESPRIT de corps.

See also **Leadership; Morale.**

Blesse, F. A. Esprit de corps and morale (edit.) Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 2, 1.—**Bostroem, A.** Der seelische Zustand der Truppe. Veröff. Heer. San., 1939, H. 109, 17–30.—**MacBrayer, R. A.** Esprit de corps versus provincialism. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 9.

ETHER.

See under **Surgical technic:** Anesthetization.

ETHICS.

See also such terms as **Gas warfare,** Ethical aspect; **Geneva convention; Humanitarianism; Medical officer; Secret; Venereal disease,** Ethical aspect.

Campana, A. Corso di etica medica internazionale alla Scuola di sanità militare. Gior. med. mil., 1949, **96:** 174–6.—**Voncken, J.** La enseñanza del derecho internacional médico. Bol. Hosp. milit., Habana, 1949, **2:** Spec. No., 62–4. Also French text, Gior. med. mil., 1949, **96:** 243–51. ——— The future of medicine in times of war. J. Am. M. Ass., 1949, **139:** 525.

ETHIOPIA.

See under **Wars and campaigns; World War II.**

EUGENICS.

See under **Militarism;** also **Endurance.**

EUROPE.

See **Prisoner of war**—by captor powers: European; **Relief**; **World War I**; **World War II.**

EUROPEAN Theater.

See **World War II.**

EUSTACHIAN tube.

Esteban Cambiaggi, J., & Coda, O. C. La pérdida de la distancia intermaxilar como causa en la estenosis de la trompa de Eustaquio. Rev. san. mil., B. Air., 1945, **44**: 1625–43.—**Gibbs, O. S.** The use of a gas mask for the relief of occluded eustachian tubes and sinuses. J. Aviat. M., 1944, 15: 32–5.—**Shoch, D. E.** Effect of irradiation on eustachian tube resistance. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 4.

EVACUATION.

See also names of various echelons of the evacuation system.

RUSSIA. ARMIJA. GLAVNOE VOENNO-SANITARNOE UPRAVLENIE KRASNOJ ARMII. Зимние средства санитарной эвакуации. 75p. 20cm. Moskva, 1941.

Evacuation services in the Army. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 349.—**Huffam, E. C. M.** Evacuation of the 4th C. C. S., B. E. F., 1940. Brit. J. Nurs., 1942, **90**: 13.—**Leonardov, B.** Evakuacia. In: Bolsh. med. encikl., 1936, **35**: 140–6.—**Metaksa, A.** Vraćebno-nabliudatelnye stancii i punkty. Ibid., 1928, **5**: 687–91.—**Novicky, B. E.** O nekotorykh uzlovykh voprosakh evakuacii. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 9–11.—**Veiel, E.** Zur Evakuierung des Feldheeres. Münch. med. Wschr., 1914, **61**: 2263.

—— Air evacuation.

See **Air evacuation; Air ambulance.**

—— of animals.

C[hase], A. F. Animal war victims. A–V, Phila., 1940, **48**: 89.—**Crosby, J. F.** Collection and evacuation of animal casualties in large units. Vet. Bull., Wash., 1938, **32**: 91–107.—**Dildine, S. C.** Discussion of Lieut. Colonel Crosby's monograph on Collection and evacuation of animal casualties in large units. Ibid., 108–11.—**War** work of the Animal defence and anti-vivisection society; evacuation of animals service. A–V, Phila., 1940, **48**: 59.

—— of civilians.

See **Civilian evacuation.**

—— of wounded.

See also such terms as **Aid station; Air evacuation; Battle,** Medical work; **Battlefield,** Medical activities; **Civilian evacuation; Clearing station; Collecting station; Division,** infantry; **Emergency medical service,** Air raid casualty; **Hospital** subheadings (evacuation; mobile, etc.) **War neurosis; Wounded,** Transportation.

KUSCHEL, E. *Verwundetentransport und -verteilung im Weltkrieg; Vergleich mit früher, Ausblick in die Zukunft. 32p. 23cm. Berl., 1941.

Belickaja, E. Dokumentacija lećebno-evakuacionnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 546–50.—**Blaustein, G.** Vnutrikorabelnaja evakuacija. Ibid., 1: 779–84.—**Câmpeanu, L.** La méthode du lever précoce des opérés appliquée à l'évacuation des blessés de la guerre. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 2: 305–11.—**Dreyer, K.** The problem of evacuation of wounded soldiers in our army [Hebrew text] Harefuah, Tel Aviv, 1948, **35**: 88. Also J. M. Ass. Israel, 1948, **35**: No. 11, 88.—**Evacuation** of patients to zone of the interior. Circ. Lett. Chief Surgeon Europ. Theater Oper., 1944, No. 102, 1–10.—**Georgievsky, A., & Shestov, V.** Lećebno-evakuacionnoe obespećenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 496–521, pl. —— Evakuacia medicinskaia. Ibid., 5: 1100–13.—**Henshaw, E. M.** Some psychological difficulties of evacuation. Ment. Health, Lond., 1940, **1**: 5–10.—**Herbert, W. P.** The evacuation of wounded with the British and Americans contrasted. Tr. M. Soc. N. Carolina, 1925, **72**: 243–51.—**Khodorkov, F. A.** [Peculiarities of medical evacuation work in winter] Voen. med. J., Moskva, 1944, 11–9.—**Kirk, N. T.** The evacuation and emergency treatment of war wounded. N. England J. M., 1942, **226**: 624–6.—**Lobo, A.** Abacos para previsões do serviço de saude na guerra. Rev. med. mil., Rio, 1940, **29**: 46–52.—[**Medical** classification and evacuation of the slightly wounded in the field sanitary service] Voen. san. delo, 1943, No. 4, 57–60.—**Mercier, R. G.** El combatiente, en lucha con la evacuación sanitaria. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 149–75. —— Selección racional de los evacuados. Ibid., 162–4. —— Rapidez de las evacuaciones. Ibid., 167.—**Moppert.** L'évacuation générale des blessés, malades et gazés. Praxis, Bern, 1940, **29**: 43–6.—**Morgan, C. V.** Evacuation. Med. Bull. Europ. Command, 1949, **6**: No. 4, 42–5.—**Munikhes, R.** Konvert evakuacionnyi. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1402–4.—**Orlewicz, S.** [Segregation of wounded, gassed and sick] Lek. wojsk., 1936, **27**: 577–602.—**Patients** evacuated to zone of the interior. Bull. U. S. Army M. Dep., 1944, No. 80, 9.—**Polevščikov, P.** Otdelnye ošibki v lećenii i evakuacii. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 544–9.—**Saib Birken** [Estimation of evacuation] Askeri sihhiye mecmuasi, 1940, **69**: No. 31, 14–20.—**Schickelé.** Le triage médico-chirurgical. Arch. méd. belge, 1934, **87**: Bull. internat., 175–87.—**Semeka, S.** Evakuacionnoe napravlenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1098.—**Shamaškin, M.** Sortirovka ranenykh i bolnykh. Ibid., 213–21, pl.—**Sokolowski, T.** [Segregation of the sick] Lek. wojsk., 1936, **27**: 603–9.—**Suzuki, S.** Syōsya no kyūsyutu to hansō ni tuite [Rescue of and carrying of the wounded (in war)] Nippon rinsyō, 1943, **1**: 836–42.—**Swenson, K. J.** Evacuation of casualties in time of war. Mil. Surgeon, 1938, **83**: 544–51.—**Tabib Kay & Murat** [Evacuation of wounded, sick and crippled in times of war] Askeri sihhiye mecmuasi, 1935, **64**: 153–6.—**Timofeevsky, P. I.** [Military-sanitary service during war; evacuation and bases for treatment] In: Rukov. kurs. sredn. med. pers. (Ikhteiman, M. S.) Moskva, 1937, 655–63.—**Tuffier, T.** Practical problems from the viewpoint of a field inspector. Surg. Gyn. Obst., 1915, **20**: 713–5.—**Wooders, M. A., & Curtis, D. A.** Principles of evacuation. In their Emergency Care, Phila., 1942, 422–9.—**Wulp, G. A.** Effects of hospital evacuation; medical effects of individual and mass evacuations. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 210–4.

—— of wounded: Equipment, and means.

See also **Ambulance; Transportation; Vehicle; Wounded,** Transportation.

Anšelević, R. A. Priemy perekladyvanija ranenykh v polevykh uslovijakh. Voen. med. J., Moskva, 1947, No. 3, 21–6.—**Banaitis, S. I.** Transportnaja immobilizacija. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 204–12.—**Birguen, S.** Evacuation des blessés et des malades par les moyens de transport modernes; les précautions à prendre. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 216.—**Davidson, T. W.** The effects of mechanization on evacuation. J. R. Army M. Corps, 1939, 72: 284–6.—**Elder, A. V.** The evacuation of sick and wounded by sea. Ibid., 1929, **53**: 161–72. Also Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 7–28.—**Friedman, E., & Fijol, W.** A plywood chute for casualties. Hosp. Corps Q., 1945, **18**: No. 9, 65.—**Gąsiorowski, M.** [Evacuation of wounded and sick by water] Lek. wojsk., 1932, **19**: 68–74.—**Gecow, L.** Medios modernos de evacuación de heridos y enfermos. Med. & cir. guerra, 1947, **9**: 691; passim. Also Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., **1**: 143–66.—**Ionescu, V., Apostol, O.** [et al.] Les moyens modernes d'évacuation des blessés et malades. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 229–31.—**Käfer, H.** Transport und Transportfähigkeit der Kriegsschussverletzten. In his Feldchirurgie, 2. Aufl., Dresd., 1941, 26–34.—**Koyl, L. F.** Modern methods of evacuation of the wounded and sick; indications and contra-indications. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 198–207.—**Kozlov, A.** [Means for evacuation of the wounded] Voen. san. delo, 1941, No. 11, 49–52.—**Kugler, A.** Feldgeräte zum Krankentransport bei Brüchen und Wunden der Extremitäten. Chirurg, 1939, **11**: 197–200.—**Lafont Lopidana, M.** Procedimientos modernos de evacuación de heridos y enfermos. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 227.—**Lazaroni, A. F.** Medios modernos de evacuación de heridos y enfermos. Rev. san. mil. argent., 1948, **47**: 114–8.—**Lutz, F. C., & Bonsole, H. Y. D.** A time-saving combination sling. U. S. Nav. M. Bull., 1944, **43**: 557.—**Manganaro, C.** Moyens modernes d'évacuation des blessés et malades; indications et contre-indications. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 214–6.—**Modern** methods of evacuation of the sick and wounded; indications and contra-indications. Ibid., 228.—**Nicholls, T. B.** Effects of mechanization on evacuation. J. R. Army M. Corps, 1938, 71: 217–21.—**Oudard & Schickelé.** Les évacuations par eau et par air. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 41–103.—**Potter, B. E.** Hand-seats for casualties. Brit. M. J., 1940, 2: 168.—**Saidac, I.** Principii de evacuare sabitară in campanie, vechicule și material pentru spitalizare dela linia de luptă până la zona interioară. Rev. san. mil., Bucur., 1936, **35**: 312–22, illust.—**Sharma, A. N.** Evacuation by land. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 219.—**Solcard.** Les appareils de transports des blessés à bord dans la marine française. Bull. internat Serv. santé, Liége, 1939, 12: 72–80.—**Széll, J.** A sebesültszállítástól. Honvédorvos, 1950, 2: 393–400, plan.—**Transportation** difficulties hamper removal of German wounded. J. Am. M. Ass., 1943, **123**: 644.—**Verdial, V. H.** Utilização e rendimento dos meios de evacuação de

feridos e doentes em campanha. Bol. Dir. serv. saúde mil. 1941, 4: 211–67, 5 tab.

—— of wounded: Medical and surgical service.

See also various echelons in the chain of medical evacuation.

Dalin, N. P. [Military hygiene during evacuation from rear hospitals] Sovet. med., 1941, 5: 43–5.—**Girgolav, S. S.** [Volume of surgical aid during evacuation] Voen. san. delo, 1937, No. 6, 11–21.—**Kiašev, A. P.** [Surgical aid and sanitary service during evacuation] Vrach. delo, 1938, 20: 977–80.—**Rožansky, V. I.** Opyt raboty khirurga na evakopriemnike GOPEP. Voen. san. delo, 1940, No. 10, 77–9.—**Volčenok, M. S.** [Care of wounded during evacuation] Feldsher, Moskva, 1941, No. 5, 42.

—— of wounded: Organization.

See also **Wounded.**

Abramov, P. Evakuacionnaja komissija. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1093–8.—**Akodus, J.** Leéebno-evakuacionnoe obespeéenie armii. Ibid., 1: 273–6.—**Banaitis, S. I.** Organizacia raboty po okazaniiu pomoŝći ranenym i objem pomoŝći v rote, na BMP i PMP. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 60–79.—**Bukov, V. A.** [Organization of evacuation of wounded and sick from the Medsanbats according to classification] Voen. med. J., Moskva, 1944, 18–24.—**Cheyrou-Lagrèze, H.** Notes de pratique médicale militaire; hôspitalisation régionale et évacuations. Marseille méd., 1936, 73: pt 2, 349–58.—**Darnall, J. R.** Medical evacuation system in a theater of war. Mil. Surgeon, 1949, 105: 191–5.—**Francis, J. R.** Medical Administrative Corps officers in the chain of evacuation. Ibid., 1947, 100: 414–8.—**Georgievsky, A., & Komissarov, M.** Leéebno-evakuacionnyj plan. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 521–9.—**Gillespie, F. S.** [Evacuation from front line] Circ. Lett. Brit. M. Liais. Off., Carlisle, 1944, No. 13, 1–4.—**Girgolav, S. S.** Organizacionnye meroprijatija po okazaniju pomoŝći pri ranenijakh. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 34–44.—**Gorinevskaia, V. V.** [Principles of organization in evacuation of wounded soldiers] Sovet. med., 1941, 5: No. 15, 3–8.—**Kirk, N. T.** Organization for evacuation and treatment of war casualties. Ann. Surg., 1941, 113: 1020–33.—**Krinsky, L. T.** [Organization of therapeutic medical-evacuation work in military districts] Klin. med., Moskva, 1942, 20: No. 3, 18–22.—**Kupriianov, P. A.** Dokumentacija na etapakh evakuacii vojskovogo i armejskogo tyla. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 43–59. —— Sistema evakuacii. Ibid., 114–22.—**Libov, L. L.** Leéenie ognestrelnykh ran; kharakteristika etapov evakuacii i ikh leéebnoi funkcii. In: Opyt sovet. med. velik. otech. voine, Moskva, 1950, 1: 98–120.—**Lyle, H. H. M.** The cooperation between the Army services of evacuation and hospitalization. Ann. Surg., 1941, 114: 161–8. Also Surgery, 1941, 10: 516.—**Normal** (The) chain of evacuation. Bull. U. S. Army M. Dep., 1944, No. 83, 11–3.—**Ochkin, A. D.** Defekty predyduščikh etapov evakuacii, otobražennye v hospitaliakh glubokogo tyla. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 14–9.—**Pavlović, V. G.** [Main principles in the organization of the French military health service for evacuation of the sick and wounded] Voj. san. glasnik, 1939, 10: 701–14.—**Punin, V.** [Evacuation of the wounded in the Navy] Voen. san. delo, 1937, No. 1, 7–14.—**Shogam, D. N.** O leéebno-evakuacionnom obsluživanii kontuzennykh v armeiskom rajone. Voen. med. J., Moskva, 1946, No. 12, 8–15.

EVACUATION bag.

See **Arctic service,** Medical aspect.

EVACUATION hospital.

See under **Hospital; Hospital report,** United States; see also **Blood transfusion service,** hospital.

EVAPORATOR.

Barnes, L. A., Edge, C. O. [et al.] Studies of the efficiency of shipboard evaporators in producing safe potable water and the pollution hazard of using open sea water aboard ships. 38p. 26½cm. Bethesda, 1947.

Forms Rep. No. 4, Res. Proj. X-756, U. S. Nav. M. Res. Inst.

EXAMINATION.

See **Medical examination; Neuropsychiatric examination;** also as subdivision under **Disabled; Neurology; Tuberculous; Vision; Wounded.**

EXAMINING room.

See under **Equipment,** aeromedical.

EXANTHEMA.

See also **Dermatosis; Epidemic.**

Panaitescu, E. G., & Popescu, C. (Exanthematous fever) Rev. san. mil., Bucur., 1934, 33: 147–62.—**Weber, F. C., Oppel, T. W., & Raymond, R. W.** A mild exanthematous disease seen in the Schouten Islands. J. Mil. M. Pacific, 1945, 1: No. 4, 11–6.

EXCISION of wound.

See **Wound surgery,** Excision.

EXCRETA.

See **Fecal matter.**

EXERCISE.

See also **Drill; Physical training; Physical therapy; Stress; Training.**

Clarke, R. W., Baldwin, D., & Kahana, E. M. Renal circulation and excretion as affected by stress. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 3, No. 8, 1; Proj. 4, No. 8, 1.—**Clarke, R. W., Crosley, A. P., jr, & Talso, P. J.** Renal circulation and excretion in man as affected by exercise. Ibid., 1947, App. D, Proj. 1, No. 4, 1.—**Elkins, J. C.** Conservation of health by exercise. Hosp. Corps Q., 1943, 16: No. 4, 74–6.—**Lovell, E. R.** Exercises in the field. J. R. Army M. Corps, 1939, 73: 308.—**Sánchez Iriarte, J.** Valor higiénico y fisiológico del ejercicio. Práct. méd., Madr., 1944, 2: No. 12, 28–32.

—— therapeutic.

See also **Physical therapy; Rehabilitation.**

Keith, M. T. Emphasis on exercise as a therapeutic agent; in a naval physical therapy department. Physiother. Rev., 1947, 27: 10–3.—**Knoll, W.** Nachbehandlung Kriegsverletzter durch Leibesübungen in der Gemeinschaft. Deut. Militärarzt, 1940, 5: 481–3.—**Lanckenau, N. I.** Rehabilitation by modern methods of exercise. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 614–21.—**Lauber, H. J.** Gymnastik, Sport und Beschäftigung als Behandlungsmethoden im einem Kriegslazarett. Münch. med. Wschr., 1942, 89: 254–6.—**Levenson, C. L.** Therapeutic exercises in management of war injuries; a review. Arch. Phys. M., 1947, 28: 587–96.—**Pfab.** Zur Uebungsbehandlung Kriegsverletzter. Zbl. Chir., 1941, 68: 25.—**Portable** exercise cart. Bull. U. S. Army M. Dep., 1945, No. 86, 35–7.

EXERCISER.

Eaton, L. T., & McBride, M. L. A portable remedial exercise gym for bed patients. Air Surgeon Bull., 1945, 2: 221.—**Exercising** bicycle. Bull. U. S. Army M. Dep., 1945, 4: 422.—**Improvised** (An) hand exerciser. Ibid., 157.

EXFOLIATIVE dermatitis.

See under **Dermatitis.**

EXHAUSTION.

See **Fatigue;** also under **Division,** infantry.

EXOPHTHALMOS.

See also **Eye,** Disease; **Goiter.**

Filmer, G. A. Myositis of extraocular muscles causing unilateral exophthalmos. Proc. Mil. Ophth. Meet., 1945, 148–52.—**Friedman, B.** Measurement of relative exophthalmos by roentgenography. U. S. Nav. M. Bull., 1945, 45: 482–7.—**Giacobbe, C.** Esoftalmo pulsante traumatico. Gior. med. mil., 1941, 89: 331–40.—**Schweinitz, G. E. de.** Intermittent exophthalmos. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 591.

EXPEDITIONARY Forces.

See also activities of special expeditions under **Wars and campaigns; World War I; World War II.**

Bouvier, E. J. Organisation et fonctionnement du service de santé dans les expéditions coloniales. Ann. méd. pharm. col., Par., 1939, 37: 1001–11.—**Garton, W. M.** A mobile battalion aid station equipment for use with United States Marine Corps Expeditionary forces. U. S. Nav. M. Bull., 1930, 28: 711–5, 2 pl.—**Johnson, L. W.** Problems of medical activities with expeditionary forces. Mil. Surgeon, 1943, 93: 1–14.—**Keller, H.** Technische Wehrhygiene; ein Beitrag zur

Organisation von Expeditionstruppen. Deut. Militärarzt, 1941, **6**: 477.—**McKinney, G. L.** The organization and function of the medical services in colonial expeditions. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 75–87; Disc., Proc., 117–27.

EXPERIMENTATION.

See also **Chemical warfare; Cold exposure; Cold injury; Diabetes mellitus; Research; War criminal.**

Gordon, J. E. License for animal experimentation. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 7, 15.—**Rosebury, T.** Methods for handling and maintenance of animals. In his Exp. Airborne Infect., Balt., 1947, 48–54, illust.

—— human.

See also such terms as **Cold exposure; War criminal,** etc.

Abridged statement of Extraordinary State Committee of U. S. S. R. (covering medieal aspects only) for the ascertaining and investigation of crimes committed by the German-Fascist invaders and their associates in the Oswiecim Death Camp. J. Lancet, 1945, **65**: 326–9.—**Alexander, L.** Dr Rascher's letters and preliminary reports from Himmler's cave material. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 18–37. —— The re-investigation of Dr Weltz's Institute, in search of the final report of the experiments on human beings, and of whatever unrecorded data may be available. Ibid., 37–42. —— Visit to the concentration camp in Dachau, in search of remaining apparatus used in the experiments on human beings, and of eye witnesses of the experiments. Ibid., 42–6. —— A visitor, who saw the experiments on human beings in Dachau, Dr Rascher's immediate superior and friend, Oberfeldarzt Dr Daniel, of Munich, now possibly in the Augsburg stockade. Ibid., 67.—**Champy, C., & Risler.** Sur une série de préparations histologiques trouvées dans le laboratoire d'un professeur allemand; expériences faites sur l'homme au camp de Struthof. Bull. Acad. méd., Par., 1945, **129**: 263–6.—**Conscientious** objectors contract disease to help Army fight infections. J. Am. M. Ass., 1944, **125**: 636.—**Holzlöhner, E., Rascher, S., & Finke, E.** The final report on the experiments on human beings. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 46–68.—**Ivy.** Náci orvosok embertelensége. Orvosok lap., 1947, **3**: 210.—**Lutz, W.** [Experiments on human beings at the concentration camp in Dachau] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 39.—**Rascher, S.** [Experiments with human beings in Dachau] Ibid., 20.

EXPLOSION.

See also subsequent headings; also subheadings of **Injury** (blast—by weapon type: Mine)

Cameron, G. R., Short, R. H. D., & Wakeley, C. P. G. Pathological changes produced in animals by depth charges. Brit. J. Surg., 1942–43, **30**: 49–64.—**Corey, E. L.** Medical aspects of blast. U. S. Nav. M. Bull., 1946, **46**: 623–52.—**Friedell, M. T., & Ecklund, A. M.** Experimental immersion blast injury. Ibid., 1943, **41**: 353–63.—**Greaves, F. C., Draeger, R. H.** [et al.] An experimental study of underwater concussion. Ibid., 339–52.—**Grime, G., & Sheard, H.** The experimental study of the blast from bombs and bare charges. Proc. R. Soc., Lond., 1946, **187**: Ser. A, 357–80.—**Hume, E. E.** The Naples post office explosion. Mil. Surgeon, 1947, **100**: 142–50.—**Smolnikov, A. V.** [Losses from explosions on boats] Tr. Voen. morsk. med. akad., 1941, **1**: 261–75.

EXPLOSIVE.

See also **Explosion; Gas poisoning.**

Bebie, J. Manual of explosives, military pyrotechnics and chemical warfare agents. 171p. 21cm. N. Y., 1943.

Davis, T. L. The chemistry of powder and explosives. Complete in one volume. 490p. 22cm. N. Y., 1943.

Fairhurst, I. Manual of high explosives, incendiaries and poison gases. 110p. 19cm. Greenfield, 1942.

Moisson, J. J. A. *Action anatomo-physiologique de l'explosif de guerre. 52p. 24cm. Par., 1941.

Zeitschrift für das gesamte Schiess- und Sprengstoffwesen mit der Sonderabteilung Gasschutz. Münch., **37**: 1942–

Abdel Aziz Azzam. Some contributions to the microchemical examination of explosives and ammunition. Mikrochim. acta, Wien, 1937, **2**: 283–6.—**Arin, A.** Vzryv. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 705–11.—**Baxter, J. P., III.** New explosives and propellants. In his Scientists Against Time, Bost., 1946, 253–65.—**Carlsohn, H.** Splitter-, Sprengund Minenbomben. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 18–32.—**Gray, G. W.** The nature of explosives. In his Science at War, 3. ed., N. Y., 1943, 169–72. —— Picric acid and TNT. Ibid., 172–5.—**Guzmán Velasco, L.** El alimento de la guerra; consumo y potencia de explosivos. Rev. mil., La Paz, 1943, **7**: 65–8.—**Hunt, J. K.** Explosives, versatile tool of industry and war. Sc. Month., 1943, **57**: 514–22.—**Keeser, E.** Ergänzende Bemerkungen über die Wirkungsweise von Sprengstoffen. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 15–9.—**Korovin, A.** Vzryvnaja volna. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 711–6.—**Ovenston, T. C. J.** Chromatographic method for the identification and estimation of mineral jelly in propellant explosives. Analyst, Lond., 1948, **73**: 616.—**Taylor, J., Hall, C. R. L., & Thomas, H.** The thermochemistry of propellent explosives. J. Phys. Colloid Chem., 1947, **51**: 580–92.

—— Injury.

See **Injury,** blast.

—— Toxicity.

Cullumbine, H. The toxicology of explosives. CIOS Rep., Lond., 1945, Item 24, No. XXXII–5, 4.—**Fischer, H.** Symptomatologie und Therapie der Sprenggasvergiftungen. Schweiz. med. Wschr., 1943, **73**: 313–6.—**Heubner.** Zur Toxikologie der Sprengstoffe. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 199–206. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 240–8.—**McGee, L. C.** The toxicity of military explosives. J. Am. M. Ass., 1943, **121**: 852.—**Noro, L.** Untersuchungen über die Trotyl-, Tetryl- und Knallquecksilbervergiftungen bei den Arbeiters der Munitionsfabriken Finnlands. Bull. War M., Lond., 1942–43, **3**: 469 (Abstr.)—**Pflesser.** Zur Toxikologie der Spreng- und Brandgase. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 206. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 248.—**Schwarz, F.** Sprenggasvergiftungen, ein vernachlässigtes Kapitel der Kriegstoxikologie. Schweiz. med. Wschr., 1940, **70**: 78–81.

EXPLOSIVE decompression.

See **Altitude,** Decompression, explosive.

EXPLOSIVES industry.

See also **Munition worker; Munitions plant.**

Brandt, A. D. Industrial hygiene engineering in the Army explosives manufacturing and processing industry. Indust. M., 1944, **13**: 639–48.—**Karaffa-Korbutt, K. V.** [Manufacture of explosives from a sanitary and hygienic view-point] Voen. med. J., Petrogr., 1915, **244**: med. spec. pt, 227–9.—**Kay, K.** Occupational hazards in the munitions industry. Nat. Health Rev., Ottawa, 1939, **7**: 139–45.—**Koelsch, F.** Gesundheitsschutz in der Sprengstoffindustrie. Jahrkurs. ärztl. Fortbild., 1941, **32**: No. 9, 10–9.—**McConnell, W. J., Flinn, R. H., & Brandt, A. D.** Occupational diseases in government-owned ordnance explosives plants; observations on their prevalence and control during World War II. Occup. Med., 1946, **1**: 551–618.—**Reichs-Gesundheitsblatt.** Gesundheitsschutz der Arbeiter in der Sprengstoffindustrie. Bull. War M., Lond., 1942–43, **3**: 529–31 (Abstr.)

EXPOSURE.

See **Cold exposure.**

EXPOSURE suit.

See also **Clothing,** protective.

Brooks, P. M. Flying exposure suits. 15 l. 27cm. Dayton, 1944.

Forms No. ENG–49–695–2H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Griffin, D. R., Folk, G. E., & Belding, H. S. Physiological studies of exposure suits in hot and cold environment. 5p. 28cm. Wash., 1944.

Forms Rep. No. 286, Com. Aviat. M. U. S. Nat. Res. Counc.

Margolis, S. I. Design and construction of a continuous wear exposure suit for the Bureau of Aeronautics. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 6, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Robinson, S., Gerking, S. C., & Newburgh, L. H. Comfort limits of continuous wear exposure suits in the heat. 15p. 28cm. Wash., 1945.

Forms Rep. No. 450, Com. Aviat. M. U. S. Nat. Res. Counc.

Spealman, C. R. Evaluation of BuAer and Army quick donning exposure suits. 8p. 26½cm. Bethesda, 1945.

Forms Rep. No. 7, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

—— & Margolis, S. I. Comparative comfort of the combination rain suit-exposure suit (Red Star Rubber Company) and Navy parka rain clothing. 8p. 26½cm. Bethesda, 1945.
Forms Rep. No. 9, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Yaglou, C. P., & Schneider, O. Heat loss under simulated high altitude conditions with unheated and heated flying clothing. 13p. 28cm. Wash., 1942.
Forms Rep. No. 75, Com. Aviat. M. U. S. Nat. Res. Counc.

Evaluation of BuAer and Army quick donning exposure suits. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 8.—**Exposure** (An) suit for multi-place aircraft. J. Canad. M. Serv., 1946–47, **4**: 13–21.—**Field** trial of an exposure suit for shipboard use. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 8.—**Vasey, P. M.** The inflatable exposure suit. J. R. Nav. M. Serv., 1949, **35**: 65–7.

EXTREMITY.

See also **Finger; Forearm; Fracture; Hand; Surgical technic,** Extremity; **Wound**—by organs: Extremity.

Homans, J. Venous thrombosis in the lower limbs; its present day treatment. 8p. 27cm. Wash., 1947.
Forms Techn. Bull TB 10–30, U. S. Veterans Admin.

Abente Haedo, F. Contribución al estudio del simpático de los miembros. Rev. san. mil., Asunción, 1940–41, **14**: 9–37.—**Atsatt, R. F.** Bizarre pain in the extremities. U. S. Nav. M. Bull., 1941, **39**: 56–60.—**Froggatt, T. W.** Heat cellulitis; seq: epidermophytosis. J. R. Nav. M. Serv., 1942, **28**: 197. **Hingson, R. A., & Southworth, J. L.** The use of continuous caudal and continuous spinal analgesia in the diagnosis, prognosis, and rehabilitation of the peripheral vascular diseases of the lower extremities. Mil. Surgeon, 1947, **100**: 474–87.—[**Immobilization** of the extremities] Voen. san. delo, 1942, No. 6, 83.—**Silverman, J. J.** Erythermalgia (erythromelalgia) of the extremities in a soldier. Mil. Surgeon, 1949, **105**: 240–3.—**Stalker, L. K.** Problems related to the venous system of lower extremities among Army personnel. Ibid., 1947, **100**: 66–8.—**Villacian Rebollo, A.** El nuevo tratamiento de las flebitis agudas de los miembros inferiores. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 476–9.—**Werssowetz, O. F. v.** Biophysics of pathological locomotion as related to lower extremities. Mil. Surgeon, 1949, **104**: 94–104.

—— Venous pressure.

See under **Centrifugal force,** Biological effect.

EXTREMITY injury.

See also **Finger; Forearm; Fracture; Humerus; Joint; Leg,** etc.; also **Wound.** For treatment see also **Surgical technic,** Extremity.

Argüelles López, R. Las escuelas de las heridas de guerra de los miembros. 192p. 22½cm. Barcel., 1942.

Ciba Pharmaceutical Products. War injuries of the extremities. 25p. 23cm. Summit, 1945.

Franz, K. Die Kriegsschussverletzungen der Gelenke und Knochen der Gliedmassen. 30p. 25cm. Stuttg., 1937.

Leo, E. Lesioni osteo-articolari per armi di guerra. 484p. 8° Genova, 1919.
Bibliogr.: 389–481.

Nakamura, A. Gunzin geka; sisi sonsyo [... leg and arm injuries] 197p. 21cm. Tokyo, 1943.

Prost, H. *Sarcomes conjonctivo-musculaires des membres et blessures de guerre. 46p. 25½cm. Lyon, 1939.

Cavalli, M., & Argentieri, E. Endoarteriaterapia novocainica nei postumi di lesioni traumatiche degli arti. Gior. med. mil., 1949, **96**: 154–9.—**Cole, J. P., & Neel, H. B.** Injuries of the extremities in amphibious warfare. Surg. Gyn. Obst., 1944, **79**: 573–83.—**Hammel, H.** Eine Notabschnürbinde zur Verhütung der Nachblutungsgefahren bei Extremitätenverletzungen in ruhigstellenden Gipsverbänden. Deut. Militärarzt, 1944, **9**: 290–3.—**Heinemann-Grüder, C.** Die Kriegsschussverletzungen der Gliedmassen. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 323–48; 6. Aufl., Dresd., 1943, 350–76. ——— Die Verletzungen der Gliedmassen. Ibid., 9. Aufl., Dresd., 1944, 354–81.—**Lathe, G. H., & Cameron, K. G.** Biochemical studies on wounded men; the condition of extremity cases on admission to field dressing stations. Proc. Com. Army M. Res. (Canada) 1945, 8. meet., No. 2, C.6243a, 1–12, 4 ch.—**Mazet, R., jr.** An elucidation of certain commonly disregarded neurovascular manifestations in war wounds and traumata to the extremities. In: Lect. Reconstr. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1944, 190–5.—**Naegeli, T.** Ueber Extremitätenkriegsverletzungen. Schweiz. med. Wschr., 1940, **70**: 726–8.—**Nobre Cartaxo, J. A.** Feridas dos membros. Bol. Dir. serv. saúde mil., 1946, **9**: 124–55.—**Ostapko, K. I.** [Requalification and reorganization of occupation for patients with sequels of trauma of the extremities and its importance in the national defense] Ortop. travmat., Kharkov, 1940, **14**: No. 4, 61–76.—**Petrov, N. N.** Ranenija kisti, stopy i palcev. In his Lechen. ran. voine, 6. izd., Leningr., 1942, 325–32.—**Rose, C. A., Hess, O. W., & Welch, C. S.** Vascular injuries of the extremities in battle casualties. Ann. Surg., 1946, **123**: 161–79.—**Rupasov, N. F.** K voprosu o funkcionalnoi profilaktike konečnostej posle ranenija miagkikh tkanej. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 508–11.—**Stammers, F. A. R.** War injuries of the extremities and their treatment in forward areas. Brit. J. Surg., War Surg. Suppl., 1948, 274–90.—**Tarkovskaia, V. J.** Preduprežđenie i borba s kontrakturami pri ognestrelnykh ranenijakh konečnostej. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 323–32.—**Werthmann, H.** Die Kriegsverletzungen der Gliedmassen. Vjschr. schweiz. Sanitätsoff., 1948, **25**: 106–16.

—— Lower extremity.

Eichelter, G. Schussverletzungen der unteren Extremitäten. p.271–339. 24½cm. Wien, 1944.
In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2**:

König, F., & Hagemann, R. Untere Extremität. p.910–76. 24½cm. Lpz., 1917.
In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917.

Teneff, S. Le ferite d'arma da fuoco dell'arto inferiore. p.1151–254. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Buxton, S. J. D. Injuries of the lower limb. In: War Wounds (Brit. M. J.) Lond., 1939, 77–90.—**Cochrane, W. A.** Lower limb casualties. In: War & Doctor (Mackintosh, J. M.) 2. ed., Lond., 1940, 77–87.—**Gillespie, G. E.** Acute arterial injuries of the lower extremity. Mil. Surgeon, 1948, **102**: 193–7.—**Müller, W.** Kriegsverletzungen der unteren Extremitäten. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 460–97.

—— Treatment.

See also **Surgical technic,** Extremity; **Wound**—by organs and regions: Extremity.

Eguiagaray, J. Algunas ideas sobre tratamiento de las heridas de guerra de los miembros. p.145–202. 21½cm. Santander, 1938.
In: Cuest. méd. quir. guerra (Gironés, L.)

Popov, V. I. [et al.] Хирургия. Разд. 13: Огнестрельные ранения и повреждения конечностей; кисть и стопа. 360p. 26½cm. Moskva, 1950.
Forms v.**18**, Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950.

Vinokurov, D. A., & Usolceva, E. V. Общие принципы лечения огнестрельных повреждений кисти и пальцев. p.69–152. 26½ cm. Moskva, 1950.
In: Opyt sovet. med. v Velik. otec. vojne, Moskva, 1950, **18**:

Berezkin, F. F. O funkcionalnoj profilaktike pri ranenijakh konečnostej. Voen. san. delo, 1940, No. 5, 4–11.—**Erlacher, P.** Orthopädische Nachbehandlung kriegsverletzter Extremitäten. Wien. klin. Wschr., 1947, **59**: 521–4.—**Leontiev, A. N.** Restoration of functions of limbs. Mil. Surgeon, 1945, **96**: 397–9.—**Nielsen, E. A.** [Physiotherapy of trauma of the neural trunks of the extremities] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 427–33.—**Peracchia, G.** Sul trattamento delle gravi ferite di guerra degli arti. Arch. ortop., Milano, 1947, **60**: 145–78.—**Pershin, A. G.** Lećenie posledstvij ognestrelnykh povreždenij konečnostej na kurorte Soči-Macesta. Voen. san. delo, 1941, No. 2, 31–7.—**Pfab.** Zur Uebungsbehandlung nach Gliedmassen-Verletzungen. Deut. Militärarzt, 1942, **7**: 462–5.

—— Upper extremity.

Anschütz, W., & Kappis, M. Die Kriegsverletzungen der oberen Extremität. p.821–909. 24½cm. Ldz., 1917.
In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917.

TENEFF, S. Le ferite d'arma da fuoco dell'arto superiore. p.1059–150. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Bay, E. Die Fallhand nach Schussverletzungen des Armes als funktionelles Symptom. Deut. Militärarzt, 1944, **9**: 435–7.—**Legge, R. F.** Avulsion of forearm; report of a case. U. S. Nav. M. Bull., 1944, **43**: 1236–8.—**Touzard.** Section traumatique du paquet vasculo-nerveux du pli du coude; ligature des vaisseaux huméraux; suture immédiate du médian; guérison complète au douzième mois. Bull. Soc. méd. mil. fr., 1947, **41**: 128–30.—**Westhues, H.** Schulter. In his Fortsch. Lager. Schwerverw., Berl., 1945, 84–7, illust. ——— Oberarm. Ibid., 87–9, illust. ——— Ellbogen. Ibid., 89–92, illust.—**Wustmann, O.** Kriegsverletzungen der oberen Extremitäten. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 409–60.

EYE.

See also such terms as **Altitude,** Eye and vision; **Aviator,** Eye; **Medical examination,** Eye; **Night vision; Vision.**

Eye care in wartime. Am. Opt. Vision, 1943, **27**: No. 2, 4.—**Pinson, E. A.** Intra-ocular pressure at high altitudes. J. Aviat. M., 1940, **11**: 108–11.

—— artificial.

See also **Prosthesis.**

UNITED STATES. ARMY. VALLEY FORGE GENERAL HOSPITAL. Plastic artificial eye program. 21 l. 26½cm. Phoenixville, 1944[?]

Blaess, M. J. Cosmetic ocular rehabilitation. U. S. Nav. M. Bull., 1944, **43**: 96–9.—**Clifford, J.** The processing of the Ruedemann implant eye. Proc. Mil. Ophth. Meet., 1945, 12.—**Cole, W. E.** Plastic artificial eye program for middle Pacific area. J. Mil. M. Pacific, 1946, **2**: 67–74.—**Cutler, N. L.** The new orbital implant. Proc. Mil. Ophth. Meet., 1945, 17.—**Dietz, V. H.** The evaluation of recent ophthalmic concepts as related to the fabrication of plastic artificial eyes and implant devices. Ibid., 43–8.—**Erpf, S. F., Dietz, V. H., & Wirtz, M. S.** Prosthesis of the eye in synthetic resin; a preliminary report. Bull. U. S. Army M. Dep., 1945, **4**: 76–86. ——— Plastic-artificial-eye program, U. S. Army. Am. J. Ophth., 1946, **29**: 984–92. ——— Ophthalmoprosthesis, U. S. Army, World War II. Mil. Surgeon, 1947, **101**: 405–8.—**Greenberg, M. M.** The use of acrylics for enucleation with implant and as a temporary prosthesis. Ibid., 1945, **96**: 269–71.—**Hanson, W. V.** Acrylic eye prostheses. U. S. Nav. M. Bull., 1946, Suppl., 268–78.—**Hartmann, K.** Ueber Ekblepharonprothesen aus Zellstoff bei Verlust des Auges und grösseren Defekten in der Umgebung als künstlicher Lid-Augenersatz. Deut. Militärarzt, 1943, **8**: 387–9.—**Hartzfeld, E. G.** Painting eyes; dental technician and acrylic prosthesis. Hosp. Corps Q., 1949, **22**: 22.—**Jennings, J. W., & Corrico, W.** Plastic eye prosthesis. J. Mil. M. Pacific, 1945, **1**: No. 4, 51–3.—**Kelly, E. K.** Plastic eye prosthesis (European Command) Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **3**: No. 2, 24–9.—**Kerboeuf, F. L. M.** Notes concernant la fabrication d'une prothèse oculaire en matière plastique. Rev. Corps san. mil., Par., 1947, **3**: 499–506.—**Kuharich, M.** Temporary acrylic ocular prostheses. Bull. U. S. Army M. Dep., 1945, **4**: 727.—**Lloyd, R. S., & Jones, R. M.** The Cutler-Guyton eye implant and prosthesis; two cases. Mil. Surgeon, 1948, **102**: 205–8.—**Mead, M. E., & Reardon, M.** Painting the artificial eye. Hosp. Corps Q., 1945, **18**: No. 6, 21.—**Murphey, P. J., & Schlossberg, L.** Eye replacement by acrylic maxillofacial prosthesis. U. S. Nav. M. Bull., 1944, **43**: 1085–99, pl. Also Mil. Surgeon, 1945, **96**: 469–78. ——— Acrylic eye prosthesis. Hosp. Corps Q., 1945, **18**: No. 3, 20–2.—**Niiranen, J. V.** The Navy's plastic ocular restoration. Mil. Surgeon, 1947, **100**: 402–6.—**Nisi, S.** Gigan ni tuite [Artificial eyes] Gun idan zassi, 1930, No. 200, 201–8.—**Ruedemann, A. D.** Discussion on the use of tantalum and the implant eye in orbital reconstruction. Proc. Mil. Ophth. Meet., 1945, 8–12.—**Seasoltz, J. F.** Acrylic eye prosthesis. Hosp. Corps Q., 1946, **19**: No. 7, 26.—**Sellers, F. J.** Acrylic ocular prosthesis. J. R. Army M. Corps, 1947, **89**: 91–100.—**Stewart, R. E.** Plastic artificial eye and restoration program, Veterans Administration. Mil. Surgeon, 1947, **101**: 396–404.—**Struble, G. C.** The use of tantalum and the Ruedemann eye implant in orbital reconstruction with presentation of cases. Proc. Mil. Ophth. Meet., 1945, 2-5.—**Witter, G. L.** The use of dermal instead of fat implants in deep sockets. Ibid., 20–8.

—— Disease.

See also such terms as **Amphibious warfare; Blind; Desert warfare; Diphtheria,** Pathology; **Eye injury; Hysteria; Medical examination,** Eye; **Vision.**

Agin, L. J. Episcleritis in a flying officer. J. Aviat. M., 1945, **16**: 96–8.—**Bellecci, P.** Erpes zoster e cheratite neuroparalitica. Ann. med. nav., Roma, 1946, **51**: 123–36.—**Dansey-Browning, G. C.** Some war time statistics. Brit. J. Ophth., 1949, **33**: 670–7.—**Gasteiger, H.** Ueber den Einfluss des Krieges auf die Augenerkrankungen in der Heimat. Aerztl. Wschr., 1946–47, 1–2: 364; 401.—**Kaneko, S.** Ryō-zyō ganka enisi ni syutugen-seru rinpa-nikusyu (Kundrat'sche Krankheit) no iti rei [... supraorbital lymphosarcoma (Kundrat)] Gun idan zassi, 1927, No. 164, 122–8.—**Knapp, A. A., & Blackberg, S. N.** Ocular pathology in various types of dietary deficiencies with particular emphasis on arteriolar sclerosis; an experimental study. U. S. Nav. M. Bull., 1943, **41**: 1339–44.—**Kolen, A.** Glaznica. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1–7, pl.—**Kronfeld, P. C.** Experimental pathology. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1**: 307–43; 1948, **2**: 204–30.—**Longhi.** Dell'ottalmia militare. Gior. med. mil., 1851–52, **1**: 155.—**Morgan, G. E.** Amblyopia ex anopsia in the Armed Forces. Am. J. Ophth., 1946, **29**: 713–7.—**Nelson, O. N.** Amblyopia exanopsia nullifying cataract operation. Med. Bull. Veterans Admin., 1940–41, **17**: 190.—**Páez Allende, F.** Signos oculares en las enfermedades generales. Rev. san. mil., B. Air., 1945, **44**: 411–5.—**Poos, E. E.** Psychosomatic manifestations in ophthalmology. J. Aviat. M., 1948, **19**: 442–6.—**Ramírez, R.** La sepsis bucal en oftalmología; su importancia en el medio militar. Rev. san. mil., B. Air., 1943, **42**: 125–8.—**Sanger, W. W.** Common eye conditions among military men. J. Oklahoma M. Ass., 1945, **38**: 235–8.—**Schweinitz, G. E. de.** Focal infections. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 580. ——— Congenital anomalies. Ibid., 615.—**Simoyama, T., & Matunaga, I.** Sensō-sei hakunaisyō ni tuite [Wartime cataract] Gun idan zassi, 1943, 1293–310, incl. 2 pl.—**Spero, L. P.** Two cases of intraocular tumour. J. R. Nav. M. Serv., 1946, **32**: 49.—**Süreyya Gördüren** [Study of the eye from the clinical and therapeutic view-point] Askeri sihhiye mecmuasi, 1940, **69**: 103–13.—**Watson, B.** A case of sudden blindness in a young adult. J. R. Nav. M. Serv., 1944, **30**: 252.—**Wilder, H. C.** Intra-ocular tumors in soldiers, World War II. Mil. Surgeon, 1946, **99**: 459–90.—**Yudkin, A. M.** Congenital anomalies. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1**: 105–15; 1948, **2**: 95–110.

EYE, ear, nose and throat.

See also **Ear, nose and throat.**

Fox, F. G. Some eye, ear, nose, and throat findings in men being examined for enrollment in the Civilian Conservation Corps. Mil. Surgeon, 1941, **89**: 83–6.—**Sternstein, H. J.** Management of common eye, ear, nose, and throat conditions in Naval practice. U. S. Nav. M. Bull., 1946, **46**: 1041–52.

EYEBALL.

See also **Ophthalmology,** surgical.

Belz, A. H. M. L'amélioration des cavités d'énucléation par inclusion ténonienne de tête de fémur de nouveau-né. Rev. Corps san. mil., Par., 1947, **3**: 484–98.—**Filmer, G. A.** Relaxation deformities of the eyelids and socket following enucleation. Proc. Mil. Ophth. Meet., 1945, 152–4.—**Karsch, J.** Erfahrungen mit der Polyviolplome bon Thiel bei Enucleatio bulbi bei Verwundeten. Deut. Militärarzt, 1944, **9**: 415–7.—**Krol, A. G.** [Should enucleation be performed at the front hospitals?] Vest. oft., 1942, **21**: No. 5, 27. ——— [Enucleation of the eye by the general surgeon] Voen. san. delo, 1942, No. 7, 77–9.—**Schweinitz, G. E. de.** Method of restoring an obliterated socket. In Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 654.—**Witter, G. L.** The use of fascia lata in retro-tarsal atrophy following enucleation. Proc. Mil. Ophth. Meet., 1945, 36–43.

EYEGLASS.

See also **Equipment,** optical; **Optometry; Vision,** Refraction.

BLUM, H. F. Testing of H 11 RD goggle for fogging under certain conditions. 4 l. 26½cm. Bethesda, 1943.
Forms Rep. No. 1, Res. Proj. X–210, U. S. Nav. M. Res. Inst.

—— Tests of ventilated dark adaptation goggles and ventilated Polaroid aviation goggle No. 1067 for fogging [3] l. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–210B, U. S. Nav. M. Res. Inst.

—— Fusion density sun-scanning goggles. 5 l. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–319, U. S. Nav. M. Res. Inst.

—— LEE, R. H., & WHITE, W. A., jr. Evaluation of fogging characteristics of the Polaroid X–29 aviation type goggles. 4p. 26½cm. Bethesda, 1943.
Forms Rep. No. 1, Res. Proj. X–203, U. S. Nav. M. Res. Inst.

Hartline, H. K., & McDonald, R. Use of ultra-violet absorbing goggles in aircraft at night. 5p. 28cm. Wash., 1942.
Forms Rep. No. 64, Com. Aviat. M. U. S. Nat. Res. Counc.

Keil, F. C., jr. Improved aviation goggles. 8p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 145, U. S. Air Force School Aviat. M.

King, B. G., & Mathis, J. A. Field tests on Polaroid X–29 aviation type goggles. 4 l. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–203B, U. S. Nav. M. Res. Inst.

Lee, R. H. Report on testing of goggles (TED No. UNL 2533) electrically heated single aperture type; manufactured by General Electric Company. 3 l. 26½cm. Bethesda, 1943.
Forms Res. Proj. X–203A, U. S. Nav. M. Res. Inst.

—— & Blum, H. F. A test of plastic inserts for aviator's goggles (TED No. UNL–2544) 4p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–276, U. S. Nav. M. Res. Inst.

Lee, R. H., & Finch, E. M. Night vision tests on wired goggles (non-fogging) 5p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–407, U. S. Nav. M. Res. Inst.

Leyzorek, M. Restrictions of visual fields caused by the B–8 flying goggle both alone and with A–14 oxygen mask and by three types of Chemical Warfare Service gas masks. 7 l. 27cm. Dayton, 1944.
Forms No. ENG–49–695–37–D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & Pinson, E. A. Fogging characteristics and visual fields of flying goggles. 3 l. 27½cm. Dayton, 1944.
Forms No. ENG–49–695–37–A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Rose, H. W., & Schmidt, E. Physiological effects of reflective, colored, and polarizing ophthalmic filters; effect of ophthalmic filters on color vision. 15p. 27cm. Randolph Field, 1949.
Forms Rep. No. 2, Proj. No. 21–02–040, U. S. Air Force School Aviat. M.

Rowland, L. S. An investigation of the performance of polaroid wind-foil, glare-foil, and dark adaptor goggles. 11p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 63, U. S. Air Force School Aviat. M.

Schoen, Z. J., & Dimmick, F. L. Relative efficiency of goggles for dark adaptation. 10 l. 28cm. N. Lond., 1948.
Forms Rep. No. 1, Proj. NM–003–024, (or, X–757) U. S. Nav. M. Res. Laborat.

United States. War Department. Technical bulletin TB MED 91: Mounting corrective lenses in welder's goggles. 3p. 26cm. Wash., 1944.

American Optical Company goggles protect the eyes of those who see action. Am. Opt. Vision, 1942, **26:** No. 3, 14.—**Belostocky, E.** Očki. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 286–92.—**Blew, C. L.** The origin and history of ophthalmic lenses and spectacles. Mil. Surgeon, 1941, **89:** 670–5.—**Bolgov, P. J., Gerasimenko, P. N.** [et al.] [Protective-corrective spectacles] Voen. san. delo, 1943, No. 4, 35–8.—**Brandt, J. F.** Binoculars see action. Bausch and Lomb Mag., 1942, **18:** No. 4, 4.—**Carson, L. D.** Development of all-purpose single aperture goggles; dark adaptor and aviation types. J. Aviat. M., 1943, **14:** 10–4.—**Cheshire.** Utility of night glasses. Gr. Britain Flying Pers. Res. Com., 1942, No. 434, 4.—**Corrective** lenses in welder's goggles. Bull. U. S. Army M. Dep., 1946, **6:** 186–8.—**Craik.** Red filters for pre-adaptation goggles. Gr. Britain Flying Pers. Res. Com., 1942, No. 448, 2. ——— Filters for anti glare goggles. Ibid., 1945, No. 540, 4.—**Ditchburn.** The focussing of night glasses. Ibid., No. 554, 1.—**Edip Opan.** Gözlük yerine yapişan camlar. Askeri sihhiye mecmuasi, 1944, **73:** No. 42, 15–9.—**Gilbert, W.** Ueber Gefährdungen und Augengefährdete im Felddienst. Med. Klin., Berl., 1940, **36:** 93.—**Goggles** and Spectacles Sub-Committee. Gr. Britain Flying Pers. Res. Com., 1940–45, **7.**—**[Goggles** or spectacles] Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 127–32.—**Gwillim, J.** Glasses go to war. Bausch & Lomb Mag., 1942, **18:** No. 2, 14.—**Hallett, J. W., & Pittler, S.** Acrylic moist chamber spectacles and pinhole glasses. Bull. U. S. Army M. Dep., 1946, **6:** 462–5.—**Hansen, J. E.** Notes on the manufacture of spectacle frames during a war period in the United States. Am. J. Optometr., 1944, **21:** 236–8.—**Heinsius, E.** Augenabstandsmessung bei der Truppe. Deut. Militärarzt, 1944, **9:** 360–3.—**Knapp, A. A.** Eyeglasses for combat. U. S. Nav. M. Bull., 1944, **43:** 964–6.—**Krol, A. G.** [Spectacles for soldiers] Voen. san. delo, 1942, No. 9, 53.—**Matthews, J. L.** The development of goggles. Proc. Mil. Ophth. Meet., 1945, 106–11. ——— Some considerations in the selection of flying sun glasses. J. Aviat. M., 1949, **20:** 39–46.—**Miles.** Pre-adaptation goggles. Gr. Britain Flying Pers. Res. Com., 1942, No. 434, 2.—**Neblett, H. C.** Spectacles in our armed forces in war. South. M. & S., 1942, **104:** 278.—**Olle, R. G.** Provisión y reposición de anteojos y cristales oftálmicos al ejército en campaña. Rev. san. mil., B. Air., 1945, **44:** 678–704.—**Peckham, R. H.** Visual protective devices. Hosp. Corps Q., 1945, **18:** No. 10, 34–6.—**Prevention** of fogging of glasses. Bull. U. S. Army M. Dep., 1944, No. 80, 13.—**Repair** of spectacles at the front. Ibid., No. 81, 34.—**Rose, H. W., Schmidt, I.** [et al.] Physiological effects of reflective, colored, and polarizing ophthalmic filters. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 11; Apr., 14.—**Schmid, A.** Die Brillengläser des Wehrmannes; Ersatz, Reparaturen, Nach- und Rückschub im Kriegsfall. Vjschr. schweiz. Sanitätsoff., 1944, **21:** 90–100.—**Shorney, C. R.** Report on fitting glasses and contact lenses. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 131.—**Spearman, M. P. S.** New antihaze goggle for seaplane pilots. U. S. Nav. M. Bull., 1943, **41:** 539.—**Spectacles** for prisoners of war. Optic. J., N. Y., 1942, **79:** No. 15, 13.—**Sterling, S.** Wartime demands for ophthalmic lenses. Bausch & Lomb Mag., 1943, **19:** No. 2, 6.—**Stratton, K. L.** Trifocal lens for pilots. Air Surgeon Bull., 1944, **1:** No. 8, 11.—**Vick.** Goggles and spectacles; coordination of design. Gr. Britain Flying Pers. Res. Com., 1944, No. 571, 5.

EYE injury.

See also **Chemical agent,** Toxicology; **Electric welding; Gas poisoning,** Pathology: Eye; **Head injury; Wound.**

Sitchevska, O. L. War and eye injuries. 8p. 23cm. N. Y., 1942.
Forms No. 380, Pub. Nat. Soc. Prevent. Blind. Also in Sightsav. Rev., 1942, **12:** No. 2.

Abreu Fialho, S. Oftalmologia de guerra. Impr. méd., Rio, 1943, **19:** No. 357, 89–94.—**Alabaster, E. B., Caiger, H.** [et al.] Ocular injuries resulting from the war; general discussion. Tr. Ophth. Soc. U. K. (1941) 1942, **61:** 51–76.—**Balten, M. M., & Itzikson, L. J.** [Significance of roentgen examination in war injuries of the eye] Vest. oft., 1941, **19:** 135–9.—**Bellows, J. G.** Observations on 300 consecutive cases of ocular war injuries. Am. J. Ophth., 1947, **30:** 309–23.—**Berens, C., & Hartman, E.** War injuries of the eyes. J. M. Soc. Co. New York, 1942, **1:** No. 33, 5–7.—**Berg, F.** Om vården av ögonskador i krig. In: Handledn. & Forsvarsmed., Stockh., 1940, **2:** 207–10.—**Bursk, G.** [War trauma of the eyes] Med. rabot., 1944, **7:** No. 9, 2.—**Clark, J. W.** Invasion eye injuries. Bull. U. S. Army M. Dep., 1945, No. 88, 83–6.—**Culler, A. M.** War injuries of the eye; a study of 118 cases encountered at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41:** 1557–64.—**Das Gupta, B. K.** War injuries of the eye. J. Ind. M. Ass., 1943–44, **13:** 79–82.—**Discussion** on war injuries in relation to ophthalmology and neuro-surgery. Optometr. Week., 1943–44, **34:** 1238; passim.—**Doherty, W. B.** Some of the most important ocular and orbital wounds in war. Am. J. Ophth., 1942, **25:** 135–49, 2 pl. Also War Med. Sympos., N. Y., 1942, 108–29.—**Duthie, O. M.** Discussion on ocular injuries resulting from the war. Tr. Ophth. Soc. U. K. (1941) 1942, **61:** 31–43.—**Eye** wounds in the forward area. Lancet, Lond., 1944, **2:** 147.—**Feigenbaum, A., & Landau, J.** War injuries of the eye. Harefuah, Tel Aviv, 1949, **36:** 8.—**Friedenwald, J. S.** Corneal epithelium; mitosis and wound healing. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1948, **2:** 184–9.—**Garnier Vasconcelos, N.** Traumatismos oculares na guerra. Arq. brasil. med. nav., 1942, **3:** 949–63.—**Gastev, A. A.** Povreždenija glaza. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 265–76.—**Greenwood, A.** Injuries and diseases; conjunctiva. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11:** pt 2, 678–82.—**Hermann, H.** Zur Röntgenologie der Kriegsverletzungen des Auges und der Orbita. Deut. Militärarzt, 1943, **8:** 384–7.—**Hessberg, R. J.** Review of contributions and experiences of World War II to ophthalmology; injuries of the eyes and the head. Ophth. iber. amer., B. Air., 1946–47, **8:** 1; 119. ——— Augenärztliche Erfahrungen aus dem zweiten Weltkrieg. Med. Klin., Münch., 1947, **42:** 841–6.—**Holmes, W. J.** Eye injuries in warfare. Hawaii M. J., 1941–42, **1:** 171–3.—**Jess, A.** Ueber Kriegsverletzungen und Kriegsschäden der Augen. Klin. Wschr., 1940, **19:** 823. Also Münch. med. Wschr., 1940, **87:** 847. ——— Augenverletzungen durch amagnetische Splitter. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 18.—**Kadlecová-Truhláfová, V.** Oční poranění z konce války způsobená výbušninami. Cas. lék. česk., 1946, **85:** 862–4.—**Karandasheva, D. M.** [Predominant wounds of the eyeball] Vest. oft., 1943, **22:** No. 3, 24–7.—**Kelen, A., & Rosenblum, M.** Glaz. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:**

1308–28, pl.—**Kolcova, O. A.** Oftalmoskopićeskie nabljudenija pri ranenijakh i kontuzijakh golovy i lica. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 110–23.—**Kolen, A. A., & Rycroft, B. W.** Lessons from modern warfare. In: Modern Trends in Ophth., N. Y., 1947, **2:** 483–503.—**Kyrieleis.** Orbitalverletzungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 21.—**Law, F. W.** Ophthalmic injuries in warfare. Guy's Hosp. Gaz., Lond., 1941, **55:** 15–20. ——— The ophthalmic casualty. Ibid., 1944, **58:** 220–3.—**Lipovich, N. S.** Voennye travmy glaz po matcrialam glaznogo otdelenija evakohospitalja. San. sluzhba, Sverdlovsk, 1946, No. 6, 50–2.—**McGrigor, D. B., & Samuel, E.** War wounds of the orbit and eyeball. Brit. J. Radiol., 1945, **18:** 284–90.—**Magitot.** Injuries and wounds of the eye. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 785.—**Masters, R. J.** Injuries. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1:** 471–90; 1948, **2:** 359–91.—**Matthews, J. L.** Ophthalmic injuries of war. War Med., Chic., 1943, **4:** 247–61. Also Med. Rec., Houston, 1944, **38:** 815–8. ——— Heridas oculares de guerra. Arch. As. evit. ceguera México, 1946, **4:** 265–77.—**Neglect** of eye injuries. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 4.—**Ochiai, B.** [Spaltlampenmikroskopie über den Glaskörper der kriegsverletzten Augen] Acta Soc. ophth. jap., 1941, **45:** 442–65.—**Ocular** injuries in the war. J. Am. M. Ass., 1941, **117:** 2183.—**Olle, R. G.** Traumatología ocular militar. Rev. san. mil. argent., 1947, **46:** 148–68.—**Payne, B. F.** Ocular contusions in national emergencies. J. Am. M. Ass., 1950, **142:** 243–6; Disc., 253–6.—**Podolsky, E.** War injuries of the eyeball. Eye Ear &c. Month., 1942–43, **21:** 148.—**Ridley, F., Brain, W. R., & McKissock, W.** Discussion on war injuries in relation to ophthalmology and neuro-surgery. Proc. R. Soc. M., Lond., 1941–42, **35:** 753–8.—**Rohrschneider, W.** Die Wirkung neuzeitlicher Waffen bei den Kriegsverletzungen der Augen. Deut. Militärarzt, 1942, **7:** 417–23. ——— Kriegsverletzungen der Augen. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 171–202.—**Rones, B., & Wilder, H. C.** Traumatic ocular injuries in soldiers; preliminary study. Am. J. Ophth., 1945, **28:** 1112–4. ——— Traumatic injuries of the eyes in soldiers. Arch. Ophth., Chic., 1945, **33:** 493. ——— Nonperforating ocular injuries in soldiers. Bull. U. S. Army M. Dep., 1946, **6:** 484. Also Tr. Am. Acad. Ophth. Otolar., 1946–47, **51:** 278–94. Also Am. J. Ophth., 1947, **30:** 1143–60. Also Arch. Ophth., Chic., 1948, **39:** 435–40.—**Sánchez Payo, J.** Algunas consideraciones sobre traumatismos oculares de guerra. Rev. españ. med. cir. guerra, 1939, **2:** 474–84, illust.—**Savin, L. H.** Eye injuries in warfare. Med. Press & Circ., Lond., 1940, **204:** 298–300. Also in: Mod. Treatm. Yearb. (Wakeley, C. P. G.) Lond., 1941, 286–92.—**Scott, G. I., & Michaelson, I. C.** An analysis and follow-up of 301 cases of battle casualty injury to the eyes. Brit. J. Ophth., 1946, **30:** 42–55.—**Sen, P. C.** Eye injuries in war. Calcutta M. J., 1943, **40:** 301–5.—**Servilovsky, T. A.** Ranenija glaz v nastupatelnye operacii armii. Vest. oft., 1945, **24:** No. 4, 42–4.—**Shimkin, N. I.** Ophthalmic injuries in war. Brit. J. Ophth., 1940, **24:** 265–86. ——— Lesiones oftálmicas de guerra. Medicina, Méx., 1942, **22:** 279 (Abstr.)—**Sitchevska, O.** War and eye injuries. Sightsav. Rev., 1942, **12:** 83–9.—**Smith, R.** War injuries to the eyes. Nurs. Times, Lond., 1944, **40:** 640.—**Soudakoff, P. S.** Concerning Lagrange's law of indirect ocular war injuries. Am. J. Ophth., 1943, **26:** 293–6.—**Stallard, H. B.** Non-perforating injuries of the eyeball. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 607–16; 2. ed., Balt., 1942, **2:** 835–44; 3. ed., Edinb., 1944, 807–16.—**Stockhusen, P.** A rare injury to an aviator with remote effect on the eye. Arch. Ophth., Chic., 1940, **23:** 453.—**Struble, G. C., & Kreft, A. J.** War injuries of the eyes and visual pathways. War Med., Chic., 1945, **8:** 290–304.—**Sukhin, E. A.** Kharakter ranenij glaz vo vremia boevykh dejstvij. Voen. san. delo, 1940, No. 6, 12–4.—**Szily, A.** Doppelseitige Verwundungen. In his Atlas d. Kriegsaugenh., Stuttg., 1917, 2. Lfg, 269–94, illust., 3 pl.—**Takeda, T., & Kawai, E.** Hi-senkō-sei sensyō-gan ni okeru gantei syoken ni tuite [Views about the fundus oculi in cases of eye injury where there is no rupture] Gun idan zassi, 1938, No. 305, 1149–58, 2 pl.—**Teneff, S.** Le ferite d'arma da fuoco della regione orbitale. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 677–85.—**Traquair, H. M.** War injuries of the eye and the general practitioner. Practitioner, Lond., 1940, **145:** 282–8.—**Trexler, C. W.** War-induced eye injuries. U. S. Nav. M. Bull., 1944, **42:** 124–31.—**Ubaldo, A. R., & Yambao, C. V.** Ocular war injuries. J. Philippine M. Ass., 1946, **22:** 281; 429.—**War injuries of the eye.** J. Am. M. Ass., 1942, **118:** 1311. Also Med. J. Australia, 1943, **1:** Suppl., 61–4.—**Wessely, K.** Auge; einschliesslich Orbita, Lider und Sehbahn. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 484–506.—**Wiser, H. J.** Eye injuries in war casualties aboard a hospital ship. U. S. Nav. M. Bull., 1946, **46:** 67–73.—**Zuckerman, S.** Discussion on ocular injuries resulting from the war. Tr. Ophth. Soc. U. K. (1941) 1942, **61:** 45–50.

—— air raid.

Air raids and injuries to the eye. Med. J. Australia, 1942, **1:** 232.—**Beauvieux & Nicolas.** Traumatisme oculaire bilatéral (bombardement) J. méd. Bordeaux, 1946, **123:** 149.—**Bohnen, J.** Augenärtzliche Ertahrungen bei Luftangriffen auf die Zivilbevölkerung. Wien. klin. Wschr., 1944, **57:** 159–61.—**Campbell, D. R.** Ophthalmic casualties resulting from air raids. Brit. M. J., 1941, **1:** 966.—**Fishbein, M.** Raids aereos y lesiones oculares. Rev. otoneur., B. Air., 1943, **18:** 180.—**Fridenberg, P.** Eye injuries in blackouts and air raids; some notes on first aid. N. York Physician, 1942–43, **19:** No. 6, 23.—**Siegert, P.** Augenärztliche Erfahrungen bei Fliegerangriffen. Med. Welt, 1944, **18:** 34–8.—**Young, A. L.** Ophthalmic casualties resulting from air raids. Med. Press & Circ., Lond., 1942, **207:** 45–7.

—— Burns (chemical and thermal)

See also **Gas poisoning,** Pathology: Eye.

Beall, J. G. War chemical burns of the eye. Arch. Ophth., Chic., 1942, **28:** 368.—**Infected** chemical burns of the eye. Bull. U. S. Army M. Dep., 1944, No. 83, 8.—**Matthews, J. L.** Ophthalmic injuries of war; thermal burns. Med. Rec., Houston, 1944, **38:** 828; 849.—**Scherling, S. S., & Blondis, R. R.** The effect of chemical warfare agents on the human eye. Mil. Surgeon, 1945, **96:** 70–8.—**Schmelzer, H.** Experimentelle Untersuchungen über die Phosphorverbrennung des Auges und ihre Behandlung. Deut. Militärarzt, 1944, **9:** 353–8.—**Szily, A.** Metastatische Ophthalmie nach Kriegsverwundungen. In his Atlas d. Kriegsaugenh., Stuttg., 1917, 2. Lfg, 224–38, illust., 3 pl.

—— Complications and sequelae.

See also **Blind.**

Clerici, A., & Celotti, M. di F. Esiti di ferite oculari di guerra. 96p. 25cm. Milano, 1942.

Sanvenero-Rosselli, G. Orizzonti di chirurgia di guerra; i mutilati del viso. Forze san., Roma, 1941, **10:** No. 17, 3–17.

—— Foreign body, intraocular.

Rose, H. W. [Behandlung von Fremdkörpern besonders im Auge nach dem Ueberzugsprinzip] Treatment of foreign bodies, especially in the eye using the coating principle. 4 l. 27cm. Heidelb., 1946.

Forms No. U7–46–13, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Szily, A. Steckschüsse der Orbita und ihrer Umgebung. p. 113–90. 31cm. Stuttg., 1916.

In his Atlas d. Kriegsaugenh., Stuttg., 1916, 1. Lfg.

—— Perforierende Bulbusverletzungen, intraokulare Fremdkörper und Infektionen. p. 318–54. 31½cm. Stuttg., 1917.

In his Atlas d. Kriegsaugenh., Stuttg., 1917, 2. Lfg.

Abbott, A. J. The use of the Berman locator in the evaluation of intra-ocular foreign bodies. Proc. Mil. Ophth. Meet., 1945, 156–63.—**Aid** in localization of foreign body in the eye. Bull. U. S. Army M. Dep., 1945, **4:** 8.—**Akamatu, Z.** Senzi-tyū bō-kaigun kōsyō ni okeru kakumaku ibutu no tōkei-teki kansatu narabi-ni yobo taisaku [Statistical observations on foreign bodies in the cornea in a certain naval arsenal during the war, and measures of prevention] Rinsyō ganka, 1948, **2:** 159–61.—**Arkhangelsky, P. F., & Abdishev, V. A.** [Appliance for precise localization of foreign bodies in the eye in roentgenography] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 502–4.—**Cortanović.** Dva slučaja velikih stranih tela u orbiti bez spoljnih lezija. Voj. san. pregl., Beogr., 1945, **2:** No. 8, 54.—**Deviatov, N. N.** O dalnejšem utočnenii metodiki opredelenija zaleganija inorodnykh tel v glazu. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 65–73.—**Dieter.** Augenverletzungen durch magnetische Splitter und ihre Behandlung. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 15–8.—**Guist, G.** Kriegsverletzungen durch Fremdkörper am Auge mit Berücksichtigung der Eintrittsporte, ihrer Wirkung und ihre Behandlung. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1:** 373–92.—**Haik, G. M.** The management of intraocular foreign bodies in military practice. Am. J. Ophth., 1946, **29:** 815–27. ——— Intraocular foreign bodies; wartime experiences applied to a peacetime problem. J. Am. M. Ass., 1947, **135:** 894–901.—**Intraocular** foreign bodies. Bull. U. S. Army M. Dep., 1945, **4:** 9.—**Kantorovich, A. J.** O pokazanijakh k udaleniju zastarelykh vnutriglaznykh oskolkov pri boevykh travmakh. Vest. oft., 1946, **25:** No. 3, 14–7.—**Kirwan, E. O., & Gupta, M. S.** War injuries of the eye; localization and removal of magnetic intraocular foreign bodies. Ind. M. Gaz., 1943, **78:** 530–2, 2 pl.—**Love, J. M.** A practical method of localizing a foreign body in the eye, when a Sweet's localizer is not available. Mil. Surgeon, 1940, **86:** 281–4.—**Lucic, H.** Intraocular foreign bodies in naval personnel. California M., 1948, **69:** 114–9.—**McGuire, W. P., & Raffetto, E. C.** Construction of a contact lens for localization of intraocular foreign bodies. U. S. Nav. M. Bull., 1944, **43:** 1239–42.—**Maikova-Stroganova, V. S.** Rentgenologićeskoe opredelenie lokalizacii inorodnykh tel v orbitakh (vnutri i vne glaza) pri ognestrelnykh ranenijakh. Tr. Evakohosp., Leningr., 1943, No. 5, 125–55.—**Mielke, S.** Injuries of the eye by metallic foreign bodies. Bull. War M., Lond., 1941–42, **2:** 288 (Abstr.)—**Ostroumov, V. M.** [Diagnostic value of the magnet test in injuries of the eyes by foreign bodies in war and peace] Vest. oft., 1941, **19:** 139–42.—**Perkins, E. W.** Localization of intra-

ocular foreign bodies. Bull. U. S. Army M. Dep., 1946, 5: 215–7.—**Péter, L.** Idegentest által okozott szemsérülések; localisatiós eljárások; idegentestek eltávolítása. Honvédorvos, 1950, 2: 91–6.—**Pokrovsky, A. I.** [The characteristics of intra-ocular foreign bodies of peace and war in connection with the question of their removal] Vest. oft., 1943, 22: 4–7.—**Poliak, B. L.** [Intraocular foreign bodies in war trauma and their extraction with the electromagnet] Ibid., 1941, 19: No. 7, 11–7.—**Riwchun, M. H.** Removal of intra-ocular foreign bodies. Proc. Mil. Ophth. Meet., 1945, 154–6.—**Rose, H. W.** The coating principle as used in treatment of foreign bodies in the eye. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, 2: No. 2, 8–13.—**Rycroft, B. W.** The giant magnet in ophthalmic battle casualties. Brit. M. J., 1945, 1: 234.—**Schlichting, H.** Die nichtmagnetischen intraokularen Fremdkörper bei Kriegsverletzungen. Vjschr. schweiz. Sanitätsoff., 1943, 20: 133–5 (Abstr.)—**Stallard, H. B.** War surgery of the eye; removal of magnetic intra-ocular foreign bodies by the posterior route. Brit. M. J., 1942, 2: 629–31. ——— War surgery of the eye; an analysis of 102 cases of intra-ocular foreign bodies. Brit. J. Ophth., 1944, 28: 105–35.—**Struble, G. C.** Technical refinements in the removal of magnetic intra-ocular foreign bodies from the posterior segment of the eye. Proc. Mil. Ophth. Meet., 1945, 164–73.—**Tikhomirov, P. E.** [Diascleral extraction of intraocular fragments in war trauma] Vest. oft., 1941, 19: No. 7, 18–20.—**Tokuda, T., & Tanaka, T.** [Ein Fall von einer über 20 Jahren zurückgebliebenen Zilie als Fremdkörper in der Vorderkammer] Bull. Nav. M. Ass., Tokyo, 1940, 29: 77–80, pl.—**Wilder, H. C.** Intraocular foreign bodies in soldiers. Tr. Am. Acad. Ophth. Otolar., 1946–47, 51: 585–93. Also Am. J. Ophth., 1948, 31: 57–64.

—— gunshot.

Szily, A. Schädelschüsse und Auge. p. 13–61. 31cm. Stuttg., 1916.
In his Atlas d. Kriegsaugenh., Stuttg., 1916, 1. Lfg.

Vishnevskij, N. A. [et al.] Хирургия. Разд. 4: Огнестрельные ранения и повреждения глаз. 331p. 26½cm. Moskva, 1951.
Forms v. 7, Opyt sovet. med. v Velik. otеć. vojne, Moskva, 1951.

Huzihira, Y. Syōzyū-kūhō ni yoru gan-gaisyō no iti rei [...by rifle blank-cartridge] Gun idan zassi, 1928, No. 175, 77–80.—**Ivanov, N. K.** Ognestrelnye povreždenija organa zrenija. Voen. san. delo, 1941, No. 5, 67–71.—**Kogan, N. D.** Ognestrelnye ranenija glaznicy. Vest. oft., 1945, 24: No. 4, 11–5.—**Kreft, A. J.** Orbital and ocular injuries produced by modern war missiles. Proc. Mil. Ophth. Meet., 1945, 18–20.—**Kuo, Ping-kuan** [Ueber Chorioretinitis sclopetarium und ihre verwandten Fundusverletzungen im Kriege] Nat. M. J. China, 1941, 27: 193–217.—**Levkoeva, E. F.** Patomorfologia ognestrelnoj rany glaza. In: Opyt sovet. med. v Velik. otеć. vojne, Moskva, 1950, 7: 42–61, 11 pl.—**Murzin, A. N.** Otek soska zritelnogo nerva pri ognestrelnykh ćerepno-mozgovykh povreždenijakh. San. sluzhba, Sverdlovsk, 1946, No. 6, 126–9.—**Paiva Gonçalves.** Augenlid- und Augenhöhlenverletzungen durch Feuerwaffen. Deut. Militärarzt, 1940, 5: 444 (Abstr.)—**Szily, A.** Orbital-Schläfenschüsse. In his Atlas d. Kriegsaugenh., Stuttg., 1916, 1. Lfg, 62–77, 3 pl. ——— Läsionen durch Geschosse mit grösserer Zerstörungskraft; traumatischer Enophthalmus und Exophthalmus. Ibid., 191–4, pl. ——— Durchschüsse, nebst ophthalmoskopischen und histologischen Befunden der dabei beobachteten Chorio-Retinitis proliferans und atrophica. Ibid., 1917, 2. Lfg, 239–68. 9 pl.

—— perforating.

Rettig, H. *Pathologisch-anatomische Untersuchung zweier durch perforierende Kriegsverletzung erblindeter Augen [Heidelberg] 27p. 8° Worms, 1935.

Corti, C., & Del Tuñoz, G. Las heridas penetrantes del globo ocular en oftalmología de guerra; consideraciones sobre treinta casos. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 84–9.—**Esteban, M.** Conducta a seguir ante una herida penetrante de globo ocular. Rev. españ. med. cir. guerra, 1939, 2: 132–46.—**Franich, E.** Su di un caso ignorato di ferita penetrante dell'occhio da scheggia metallica. Gior. med. mil., 1940, 88: 603–9.—**Goulden, C., & Whiting, M. H.** Perforating wounds of the eyeball. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 617–37; 2. ed., Balt., 1942, 2: 845–65; 3. ed., Edinb., 1944, 817–38.—**Greenwood, A.** War injuries involving penetration of the eye and orbit. Am. J. Ophth., 1941, 24: 1438.—**Hartmann, K.** Perforating wounds of the eye in war. Bull. War M., Lond., 1941–42, 2: 103 (Abstr.) Also Rev. san. mil., B. Air., 1942, 41: 805–12.—**Hermann, H.** Zur Wirkung der Sulfonamide bei perforierenden Augenverletzungen. Deut. Militärarzt, 1944, 9: 358–60.—**Iofe, C. M.** Dyrćatye defekty v żeltom pjatne pri povreždenijakh licevogo otdela ćerepa. San. sluzhba, Sverdlovsk, 1946, No. 6, 130–4.—**Jordano Barea, J.** Contribución al estudio de las alteraciones visuales en los heridos penetrantes de cráneo. Rev. españ. med. cir. guerra, 1939, 3: 331–51.—**Skeoch, H. H.** Penetrating war wounds of the eye and orbit. Brit. J. Ophth., 1945, 29: 113–20, 8 pl. Also J. R Army M. Corps, 1945, 84: 218–22.

—— Prevention.

Eye protection in chemical warfare. Bull. Army M. Dep., Lond., 1944, No. 33, 6.—**Kolen, A. A.** Zaščitnye očki maska dlja predupreždenija ranenij glaz v sovremennom boju. San. sluzhba, Sverdlovsk, 1946, No. 6, 143.—**Paiva Gonçalves.** Cuidados a ter nas formações sanitárias avançadas com os portadores de ferimentos óculo-palpebrais ou órbito-oculares. Rev. med. cir. Brasil, 1942, 50: 375–83.—**Parsons, J.** Protection of the eyes from war injuries. Tr. Ophth. Soc. U. K. (1941) 1942, 61: 157–78.—**Rycroft, B. W.** The incidence and prevention of eye injuries in H. M. Forces. J. R. Army M. Corps, 1943, 81: 74–7.—**Silva Rebelo, A. da.** Acidentes oculares do trabalho no Marinha de Guerra; sua profilaxia. Arq. brasil. med. nav., 1941, 2: 479–92.—**Velhagen.** Ueber die Verhütung von Augenschäden im Kriege. Med. Klin., Berl., 1942, 38: 241–4.

—— Treatment.

Müller, H. K. Die Behandlung der Kriegsverletzungen des Auges im Felde. p.893–984. 28½cm. Lpz., 1945.
In: Ophth. Operat. (Thiel, R.) 3:

Tikhomirov, P. E. [et al.] Инструкции по лечению военных травм и заболеваний органа зрения. 60p. 22cm. Moskva, 1944.
Forms No. 20, Sborn. instr. metod. mat. evakohosp.

Bair, H. L. Management of ocular injuries. Mil. Surgeon, 1941, 89: 208–11.—**Birdwood, G. T.** First-aid treatment of injured eyes. Brit. M. J., 1941, 2: 136.—**Brückner, R.** Richtlinien für die erste Behandlung kriegsbedingter Augenverletzungen. Vjschr. schweiz. Sanitätsoff., 1944, 21: 131–42.—**Coppez, J. H.** Traitement d'urgence des accidents oculaires. In: Méd. devant le péril aérochim. (Ferond, M.) 2. éd., Brux., 1940, 227–31.—**Cordes, F. C.** Nonsurgical aspect of ocular war injuries. Am. J. Ophth., 1943, 26: 1062–71.—**Fridenberg, P.** First aid in eye injuries; a measure of civilian defense. Dis. Eye &c. Throat, 1942, 2: 134.—**Heesch, K.** Die Wundversorgung von Kriegsverletzungen der Lider und ihrer Umgebung. Deut. Militärarzt, 1943, 8: 699–702.—**Kalfa, S. F.** [Control of increase of pressure following war traumata] Vest. oft., 1944, 23: No. 3, 25–7.—**Koch, C. C.** War time ocular first-aid. Am. J. Optometr., 1942, 19: 26–35.—**Kolen, A. A.** [Certain problems of conservative and surgical therapy of war traumata of the eyes] Vest. oft., 1943, 22: No. 5, 14–7.—**Lock, J. A. N.** The effect of penicillin in a case of severe injury to the eye. J. R. Nav. M. Serv., 1947, 33: 315.—**Medrano, I. R.** Normas a seguir en el tratamiento de los traumatismos del globo ocular. Rev. españ. med. cir. guerra, 1934–44, 2. epoca, 6: 331–6.—**Mylius, K.** Schwere Augenverletzungen; erste Hilfe und endgültige Versorgung. Deut. Militärarzt, 1942, 7: 423–7. Also Bull. War M., Lond., 1942–43, 3: 271 (Abstr.)—**Saba, G.** Sulla terapia delle causticazioni corneo-congiuntivali da acido acetico. Ann. med. nav., Roma, 1947, 52: 69–74.—**Shereševskaja, L. J.** [Physiotherapy in war wounds of the eye] Vest. oft., 1944, 23: No. 4, 27–30.—**Tyrrell, T. M.** First-aid treatment of war injuries of the eye. Mod. Treatm. Yearb., 1945, 271; 1946, 95. Also Med. Press & Circ., Lond., 1945, 213: 52–4.—**Whitsell, F. M.** Treatment of ocular injuries among combat troops. Texas J. M., 1944–45, 40: 646–52.

EYE irrigator.

Uhde, G. I. Suggested change in the American Army canteen to increase its efficiency as an eye irrigator. Mil. Surgeon, 1946, 98: 503.

EYELID.

Berkley, W. L. Treatment of cicatricial entropion. U. S. Nav. M. Bull., 1943, 41: 729–36.—**Clausen.** Verletzungen der Lider und Tränenwege. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 19. Also Engl. transl. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 18.—**Hartridge, H.** The effects of blinking on visual efficiency. In his Recent Advanc. Physiol. Vision, Lond., 1950, 73–7.—**Heesch, K.** Die Wundversorgung von Kriegsverletzungen der Lider und ihrer Umgebung. Deut. Militärarzt, 1943, 8: 699–702.—**Kohout, J. J.** Prosthetic device for support of eyelids. Bull. U. S. Army M. Dep., 1945, 4: 117.—**Thygeson, P.** The etiology and treatment of blepharitis; a study in military personnel. Proc. Mil. Ophth. Meet., 1945, 80–99. Also Arch. Ophth., Chic., 1946, 36: 445–77. Also Mil. Surgeon, 1946, 98: 191; 279.—**Vaughan-Jones, R.** Abnormal synkinesis. J. R. Nav. M. Serv., 1940, 26: 405.—**Viana, L.** Tumor da pálpebra superior. Rev. med. mil., Rio, 1945, 34: 463–7.

EYE movement.

See also **Medical examination, Eye.**

Scobee, R. G. The effect of exhaustion and of moderate anoxia on ocular muscle balance. 3p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 292, U. S. Air Force School Aviat. M.

Ikeda, S. [Studies on the accommodation time of sailors] Deut. Militärarzt, 1940, 5: 568 (Abstr.)—**Scobee, R.** Binocular neuromuscular mechanisms. Q. Project Summary Off. Nav. Res., 1948, July, 364.—**Spero, L. P.** A case of complete ophthalmoplegia externa. J. R. Nav. M. Serv., 1942, 28: 64.—**Wells, J. L.** The Marcus-Gunn syndrome; report of a case. U. S. Nav. M. Bull., 1946, 46: 1275–8.

EYE refraction.

See under **Vision**, Refraction.

EYESHIELD.

Our new and versatile eyesbield, M1. Chem. Warf. Bull., 1943–44, 29: No. 5, 45.

EYESTRAIN.

Berens, C. Ocular fatigue; ocular fatigue and accompanying astbenopia in relation to military preparedness and military service; especial reference to aviation. Ophth. iber. amer., B. Air., 1945–46, 7: 165–86. Also Spanisb transl., 187–201.—**Ebert, E. C.** Eyestrain. U. S. Nav. M. Bull., 1940, 38: 373–5.—**Test** of stereoscopic range estimator for eyestrain. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 37.

FABRIC.

See **Clothing**, Fabric; **Fluorescent fabric.**

FACE.

See also **Head injury**; also subheadings of **Surgical technic** (Face; maxillo-facial)

Dietz, V. H. The fundamentals of facial moulage. Mil. Surgeon, 1944, 94: 271–80.—**Dolin, H. K.** Vertical dimension. Bull. U. S. Army M. Dep., 1949, 9: 904–11.—**Fulcher, O. H., & Lane, W. Z.** Progressive facial hemiatrophy; report of a case. U. S. Nav. M. Bull., 1943, 41: 192–6.

FACIAL nerve.

See also **Nervous system**, Disease; **Neurosurgery.**

Anschütz, A. W. Ueber die Facialislähmung beim Kopftetanus; klinische und experimentelle Untersuchungen. Bull. War M., Lond., 1942–43, 3: 311 (Abstr.)—**Lathrop, F. D.** Facial nerve surgery in the European Theater of Operations. Laryngoscope, 1946, 56: 665–76. Also Tr. Am. Otol. Soc. (1946) 1947, 34: 225–40.—**Shields, C. D., & Smith, E. M.** Physical medicine management of facial nerve paralysis. Mil. Surgeon, 1950, 106: 122–4, illust.—**Shtess, A. P.** [On pseudoalternating paralysis as a clinical symptom of acute craniocerebral trauma] Bull. War. M., Lond., 1942–43, 3: 429 (Abstr.)—**Siegel, A.** Facial paralysis; a case report. U. S. Nav. M. Bull., 1942, 40: 949, 2 pl.—**Tupin & Causse.** Les paralysies faciales vues par l'otologiste. Bull. Soc. méd. mil. fr., 1949, 43: 89–91.

FACTORY.

See **Civilian defense**, Industrial aspect.

FAMILY.

See also **Dependent**; **Veteran**, Family relation.

Gruenberg, S. M. The family in a world at war. 2. ed. 298p. 21½cm. N. Y., 1942.

Bossard, J. H. S. Family problems in wartime. Psychiatry, Balt., 1944, 7: 65–72.—**Burgess, E. W.** The effect of war on the American family. Am. J. Sociol., 1942–43, 48: 343–52.—**Gardner, G. E.** The family in a world at war. Ment. Hyg., Alb., 1942, 26: 50–7.—**Gruenberg, S. M.** The family faces war. Health, Mount. View, 1942, 9: No. 12, 8.—**Webb, B.** Health and the family. S. Bartb. Hosp. J. War Ed., Lond., 1941–42, 3: 141–3.

FAMINE.

See also **Relief**; **U N R R A.**

United States. War Department. Technical bulletin TB MED 53: Emergency feeding of infants, children, and other special groups of civil populations. 12p. 26cm. Wash., 1944.

Ellis, A. R. For European relief; organization of famine relief in the field. Nurs. Times, Lond., 1944, 40: 339.—**Famine** in occupied territory and liberated Europe. Gen. M. Interest Lett., Ottawa, 1944, No. 6, 6–8.—**Koning, J. W.** Hunger diseases during tbe period of famine in 1945. Gastroenterologia, Basel, 1946, 71: 327–38.

FAR East.

See under **World War II.**

FARMING.

See **Food production.**

FAROES.

See under **World War II.**

FAT embolism.

George, E. M., & Blumgren, J. E. Massive fat embolism following fracture of the femur; report of four fatal cases with necropsy findings. U. S. Nav. M. Bull., 1946, 46: 1265–73.—**Gerwig, W. H., jr.** Traumatic fat embolism. Mil. Surgeon, 1942, 90: 549–55.—**Sandell, D. H.** Fat embolism. J. R. Army M. Corps, 1943, 81: 95–7.

FATIGUE.

See also **Aviator** [Fatigue; Psychophysical test] **Battleship**, Sanitation; **Eyestrain**; **March**; **Neuropsychiatric casualty**; **War industry**; **War neurosis.**

Allué Martínez, F. La fatiga y modo de combatirla. Ejército, 1943, No. 40, 45–7.—**Armitage, H. G.** Use of fatigue diagnosis. Hosp. Corps Q., 1944, 17: No. 5, 96.—**Chute.** Would you discuss the question of fatigue of tank crews and what is being done to combat it? Univ. Toronto M. J., 1942–43, 20: 297.—**Dill, D. B.** Physiology of fatigue; factors and criteria of endurance. Collect. Lect. Metrop. State Hosp., Waltbam, 1942, 7: pt 1, 210–7. ——— **Bock, A.** [et al.] Fatigue. Clinics, Phila., 1943–44, 2: 1126–54.—**Fetterman, J. L.** Fatigue and exbaustion states in the Army and in industry. Med. Clin. N. America, 1945, 29: 771–85.—**Hamilton, F. J.** Fatigue. U. S. Nav. M. Bull., 1944, 42: 344–52. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 84–8.—**How** to control industrial fatigue. Med. Bull. U. S. First Army, 1950, 5: 3.—**Kapner, B. H.** Fatigue. Hosp. Corps Q., 1945, 18: No. 9, 20–2.—**Mercier, R. G.** En lucba con la fatiga. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 84–91.—**Risak, E.** Ueber die Erscböpfung. Deut. Militärarzt, 1942, 7: 680–3.—**Romano, J., Engel, G. L.** [et al.] Problems of fatigue as illustrated by experiences in the decompression chamber. War Med., Chic., 1944, 6: 102–5.—**Ryan, T. A.** Relation of muscular tension to effort and fatigue. Q. Project Summary Off. Nav. Res., 1948, July, 378.—**Sayers, R. R.** Major studies of fatigue. War Med., Cbic., 1942, 2: 786–823.—**Skill** fatigue. Gr. Britain Flying Pers. Res. Com., 1940–45, 49–51.—**Stein, H.** Beitrag zum Krankheitsbild des Ermüdungsschadens am Knochensystem bei Soldaten. Deut. Militärarzt, 1941, 6: 135.—**Wishart, J.** Exbaustion. J. R. Army M. Corps, 1948, 91: 216–8.

—— mental.

Drew, G. C. An experimental study of mental fatigue. 26 l. 23½cm. Lond. [1941?]

Forms F. P. R. C. 227, Gr. Britain Flying Pers. Res. Com.

Shands, H. C., & Finesinger, J. E. Psychiatric aspects of fatigue. 144 l. 28cm. Bost., 1949.

Forms No. 12, Techn. Rep. Invest. Effect Anoxia (Dep. Psycbiat. Harvard M. School) & Project XIV 05–664, Contract N5 ori–76, U. S. Off. Nav. Res.

Williams, D. The effect of mental fatigue upon the electroencephalogram. 7 l. 26cm. Lond. [1942?]

Forms F. P. R. C. No. 505, Gr. Brit. Flying Pers. Res. Com.

Schwab, R. S. Psychiatry attacks fatigue. Researcb Rev. (U. S. Navy) 1949, June, 17–22.

—— Prevention and treatment.

Davis, D. R. Effect of large doses of aneurin and other vitamins on the development of mental fatigue in normal young men. 7 l. 27½cm. Lond., 1942.

Forms F. P. R. C. No. 477, Gr. Brit. Flying Pers. Res. Com.

Frunske, F. Gesundheitliche Gefahren der Genuss- und Reizmittel bei der Ermüdungsbekämpfung und Leistungssteigerung. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 226–36.—**Owen, J. W., Tillman, C. G. D., & Brunner, R. A.** Treatment of combat fatigue in a forward-area hospital. In: Phys. & Psycbobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 89–93.—**Simonson, E., Enzer, N., & Blankstein, S. S.** Effect of amphetamine, benzedrine, on fatigue of the central nervous system. War Med., Chic., 1941, 1: 690–5.—**Somerville, W.** The effect of benzedrine on mental or physical fatigue in soldiers. Canad. M. Ass. J., 1946, 55: 470–6.

—— **tropical.**

See also **Heat.**

MACPHERSON, R. K. General aspects of tropical fatigue as seen in RAAF ground crew. 12p. 34cm. Brisbane, 1945.

Forms No. 3, Open Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia.

Lee, D. H. K. Field investigation into the incidence of tropical fatigue. Secret Rep. Fatigue Lab. Nat. Health Med. Res. Counc. Australia, 1944, No. 1, 1–4, ch. [declassified] ——— & **Macpherson, R. K.** Tropical fatigue and warfare. J. Appl. Physiol., 1948, **1:** 60–72.—**Use** (The) of salt in the prevention of heat fatigue and exhaustion. Army M. Bull., 1942, No. 60, 114.

FATIGUE fracture.

See under **Fracture;** also **March fracture.**

FEAR.

See also **Combat; Courage; Morale.**

DOLLARD, J. A., & HORTON, D. Fear in battle. 64p. 18cm. Wash., 1944.

Appel, J. W. Fear versus cowardice. In: Discov. Ourselves (Strecker, E. A., & Appel, K. E.) 2. ed., N. Y., 1943, 189–96.—**Mercier, R. G.** El reverso de los héroes. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 176–203.—**Schmidt, W.** Feigheit. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 179–84.

FECAL matter.

See also **Destructor; Latrine; Sanitary fill.**

DAUNIS, P. *Du danger des matières fécales des armées. 43p. 25½cm. Par., 1938.

Bonnette. Le péril fécal et urinaire du front; feuillées profondes et abris amovibles; cabinets pliants et urinoirs improvisés. Bull. méd., Par., 1916, **30:** 501–4.—**Clark, L. K.** Human waste disposal by small groups and individuals in the Arctic. Bull. Waste Disp. (NRC) Wash., 1948, 15–25.—**Cox, W. C.** Disposal of human excreta. In: Prev. Med. in World War II, Wash., 1948, **11:** 23–7.—**Feces** incinerator, British design [illust.] Ibid., **2:** pt 9, opp. p. 18.

—— **Examination.**

Burlingame, P. L. Findings on stool examinations of indigenous personnel in Army messes, 1946 to 1948; preliminary report. Med. Bull. Europ. Command, 1948, **5:** No. 6, 31.—**Ether** (An) sedimentation technique for routine stool examinations. Circ. M. Sect. Far East Command, 1947, No. 11, 14.—**Jude, A. L.** Acquisitions nouvelles dans la technique des coprocultures. Rev. Corps san. mil., Par., 1947, **3:** 236–49.—**Ritchie, L. S.** An ether sedimentation technique for routine stool examinations. Bull. U. S. Army M. Dep., 1948, **8:** 326.—**Stool** survey, U. S. S. Pennsylvania. U. S. Nav. M. Bull., 1940, **38:** 433.—**Tigertt, W. D.** Stool cultures for typhoid and dysentery organisms. Circ. M. Sect. Far East Command, 1947, No. 6, 10–9.

FEE.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–53: Fees allowable for unauthorized medical services rendered subsequent to May 15, 1947 [1]p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–217 [The same] 2p. 27cm. Wash., 1950.

Basic fee schedule of Veterans Administration, effective May 25, 1946. Oral Hyg., Pittsb., 1946, **36:** 1208–11.—**Fee** schedule approved by the Council of the Massachusetts Medical Society for medical services rendered under the Veterans Administration Medical Care Program. N. England J. M., 1946, **235:** 124–35.—**Medical** care charges effective 1 July, 1949. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 7, 10.—**Tarif** für ärztliche Leistung bei der Truppe. Schweiz. Aerztezg, 1946, **27:** 212–7.

FELDSHER.

See also **Medical technician; Surgeon.**

Gorfin, D., & Grossmann, J. Feldsher. In: Bolsh. med. encikl., 1936, **33:** 607–11.—**Ivashov, N. N.** [Middle medical personnel of the Russian Army during the time of Peter I. and Suvorov] Feldsher, Moskva, 1944, No. 9, 55–8.—**Shabanov, A. N.** [Preparation of feldshers for work in evacuation hospitals] Ibid., 1942, 38–40. ——— [Preparation of feldshers in wartime] Ibid., No. 2, 44–9.—**Stepanov, S. A.** [Sanitation and hygiene activity of the feldsher] Ibid., 1943, No. 10, 35–8.—**Tuktanov, G. A.** [Preparation of feldshers in wartime] Ibid., 1942, No. 4, 57.—**Weiner, R. I.** [Rôle of feldshers during military operations] Ibid., 1941, No. 10, 46.

FEMUR.

See **Extremity,** lower; **Fracture; Hip.**

FEVER.

See also **Enteric fever; Epidemic;** also such terms as **Epidemic hemorrhagic fever; Fort Bragg fever; Medical examination,** Fever; **Undulant fever; Yellow fever,** etc.

BENNETT, I. L., jr, & HOLDERMAN, B. S. The relationship between the fever caused by bacterial pyrogens and the fever of acute infections. 17p. 26½cm. Bethesda, 1948.

Forms Rep. No. 1, Res. Proj. NM 007 047, U. S. Nav. M. Res. Inst.

—— The relationship between the fever caused by bacterial pyrogens and the fever produced by the intravenous injection of acute sterile exudates. 9p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 007 047, U. S. Nav. M. Res. Inst.

PARK, C. R., & PALMES, E. D. The regulation of body temperature during fever. 20 l. 29cm. Fort Knox, 1948.

Forms Proj. No. 6–64–12–06–(6) U. S. Army M. Dep. Field Res. Laborat.

Berenberg, A. L. Fevers of obscure origins. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 5, 17–20.—**Beyer, E. C.** Fever of undetermined origin. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3:** 208.—**Cannella, A.** Il problema diagnostico delle febbricole secondo i moderni mezzi di indagine. Gior. med. mil., 1940, **88:** 593–602.—**Park, C. R., & Palmes, E. D.** The regulation of body temperature during fever. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 6, 1–20. ——— Thermal regulation during fever. Ibid., App. C, Proj. 4, No. 11, 1.—**Thermal** regulation during fever. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 138–40.

FEVER therapy.

See as subheading under **Therapeutics.**

FIBROSITIS.

See **Rheumatism.**

FIBULA.

See under **Leg;** also **Fracture; Osteomyelitis.**

FICTION.

PAVARD, A. Le dr Laplinte, Lambinet et cie; scènes de la vie médico-militaire. 127p. 18cm. Par., 1946.

FIELD.

See **Battlefield; Terrain;** also subsequent terms.

FIELD ambulance.

See also **Aid station; Ambulance service,** Instruction; **Division,** infantry; also subsequent term.

Cox, W. L. S. [Mechanized field ambulance training; Gibraltar] Deut. Militärarzt, 1940, **5:** 499 (Abstr.)—**Oldfield, J.** The scope of the field ambulance as a training school. J. Roy. Army M. Corps, 1914, **22:** 685–94.—**Sandiland, E. L.** A suggestion for a canvas cover for a mobile A. D. S. of a cavalry field ambulance. Ibid., 1935, **65:** 174–8.—**Young, A. D.** The parachute field ambulance. Ibid., 1947, **89:** 235–49.

FIELD ambulance service.

See also **Ambulance service,** History; **Hospital,** Field hospital; **Hospital report,** United States; **Medical service.**

NEIL, J. H. Field ambulance organization and administration, Rev. ed. 128p. 18cm. Lond., 1919.

Advice from the field. Bull. Army M. Dep., Lond., 1944, No. 35, 7.—**Hughes, H. L. G.** Reorganization of a field ambulance. J. R. Army M. Corps, 1941, **76:** 261–9.—**Langer, F.** The ambulance service in the field. Bull. Czech. M. Ass.

Gr. Britain, 1942, No. 3, 4–8.—**Nicholls, T. B.** The organization of a field ambulance. In: Surg. Mod. Warfare (Bailey, H.) Edinb., 1940–41, 778–90.

FIELD case.

See also **Dental equipment.**

MacMillian, R. N. Dental field case. Mil. Surgeon, 1943, **92:** 643–5.

FIELD Casualty and Ambulance Unit.

See **Emergency medical field unit.**

FIELD dispensary.

See **Dispensary.**

FIELD hospital.

See under **Hospital;** also **Battle,** Medical work; **Hospital report,** United States: Field hospital.

FIELD manual.

See also under appropriate subject headings; **First aid,** Manual; also **Hygiene; Military medicine; Sanitation.**

Ashburn, P. M. The elements of military hygiene, especially arranged for officers and men of the line. 314p. 8° Bost., 1909.

Fältmedicinskt vademecum. 148p. 17cm. Stockh., 1940.

Fuchs, D. Praktische Hygiene und Bekämpfung der Infektionskrankheiten im Felde. 223p. 12° Wien, 1918.

India. Army. Medical Directorate. Field service hygiene notes; India, 1940. 635p. 17½cm. Delhi, 1941.

Jankau, L. Kriegsärztliches Taschenbuch für Feld-, Marine- und Lazarett-Aerzte nebst Kriegsärztlichem Tagebuch. 3 v. 12° Lpz., 1915.

Straub, P. F. Medical service in campaign; a handbook for medical officers in the field. 164p. 12° Phila., 1910.

Taschenbuch des Feldarztes. 2. & 4. Teil. 2 v. 17½cm. Münch, 1914–17.

Taschenbücher des Truppenarztes. Bd. 1–7. 7 v. 19cm. Münch., 1940–44.

Toubert, J. H. Le livre de poche du Service de santé en campagne. 75p. 13cm. Par., 1940.

United States. War Department. Medical field manual, FM 8–10: Medical service of field units. 285p. 17cm. Wash., 1942.

—— Medical field manual FM 8–15: Medical service of the Corps and Army. 75p. 19cm. Wash., 1941.

—— Basic field manual, FM 21–10: Military sanitation and first aid. 192p. 17½cm. Wash., 1940.

—— [The same] Higiene militar y primeros auxilios. 131p. 26cm. Habana, 1942.

Forms No. R. I. 370–5, Folleto Ejército Cuba. Issued as a supplement to Rev. san. mil., Habana, 1944, **8:** No. 4; 1945, **9:** No. 1–3.

—— Medical field manual; medical service in joint oversea operations. 36p. 19cm. Wash., 1940.

Manual médico de campaña; servicio médico de la división; preparado bajo la dirrección del Jefe de sanidad del Ejército norteamericano. Rev. san. mil., Habana, 1943, **7:** No. 2, Suppl.; 1–142.—**Manual** médico de campaña; servicio médico de la división (apendices 1–6) preparado bajo la dirección del Jefe de sanidad del Ejército norteamericano. Ibid., 1944, **8:** 142–78.—**Manual** médico de campaña; servicio médico del cuerpo de ejército y del ejército; preparado baja la dirección del Jefe de sanidad del Ejército norteamericano. Ibid., Suppl., 3–21.

FIELD service.

See also **Blood transfusion,** Field technic; **Blood transfusion service,** field; **Journalism; Medical organization; Medical service; Nursing service; Nutrition service; Orthopedics; Sanitation; Surgical organization, Veterinary service.**

Cowell, E. M. Field service notes for regimental officers. 148p. 17cm. Lond., 1940.

Mirtov, V. P. Военно-санитарная организация на Бородине в августе 1912 г. p. 405–54. 23½cm. S. Peterb., 1913.

Voen. med. J., S. Peterb., 1913, 236: med. spec. pt.

Almeida Garrett, A. de. Serviço de saude em campanha. Portugal méd., 1916, **2:** 465; passim.—**Blanchard, W. H.** Observations on field medical service. Mil. Surgeon, 1940, **87:** 443–51.—**Bouissou, J. J. D.** Thèmes d'exercices pratiques sur la fonctionnement du Service de santé en campagne. Arch. méd. pharm. mil., 1935, **103:** 863–87, 2 map. Also Rev. serv. san. mil., 1936, **105:** 859–79, 5 map. ——— Essai sur le rôle du médecin du 4e Bureau de l'Etat-Major d'une armée en campagne. Ibid., 1937, **107:** 781–808. ——— Une solution aux thèmes d'exercices pratiques sur le service de santé en campagne. Ibid., 1938, **108:** 727; 1939, **111:** 87.—**Fernandez Giao, M. R.** Service de santé en campagne; organisation du service de l'avant. C. rend. Congr. internat. méd. (1903) 1904, **14:** sect. méd. hyg. mil. nav., 302.—**Generalidades** sobre el Servicio de sanidad en campaña. Rev. Esc. méd., mil., Méx., 1943, **2:** No. 11, 7–12.—**Gergovich, W.** Wpływ wojny błyskawicznej na organizację i użycie służby zdrowia wojska w polu. Lek. wojsk., 1943, **35:** 145–57.—**Kneri, A. A.** Po povodu polevykh sanitarno-taktićeskikh zanjatij voennykh vraćej. Voen. med. J., S. Peterb., 1913, **236:** med. spec. pt, 264–7.—**Martin, J. I.** Medical field service. Mil. Surgeon, 1949, **104:** 250–3.—**Mazza, M. A.** Servicio sanitario en campaña; conceptos fundamentales; organización del servicio; la tarea médico quirúrgica en los escalones; el encadenamiento de las formaciones; las evacuaciones. Rev. san. mil., B. Air., 1944, **43:** 189; passim.—**Olea Herráiz, I.** Apostillas a los servicios de sanidad militar en campaña. Rev. españ. med. cir. guerra. 1939, **2:** 254–61.—**Peixoto, G.** Organização em pessoal do Serviço de Saúde em campanha; mobilização do pessoal de saúde e subordinação militar e dependencia técnica. Rev. med. cir. Brasil, 1942, **50:** No. espec., 68–74.—**Porto, E. M., & Ratsbona, R.** Objectivos do Serviço de Saúde em campanha; conjunção de elementos táticos e principios técnicos; principios fundamentais de funcionamento. Ibid., 7–22.—**Schickelé.** Les grands principes d'organisation du Service de santé en campagne. Sess. Off. internat. docum. méd. mil. (1935) 1937, 5. Sess., 11–28.—**Shockley, M. A. W.** A simple marker set for the solution of medical field problems. Mil. Surgeon, 1912, **31:** 323.—**Smirnov, E. I.** [Rôle of the physician-therapeutist in field sanitary service] Voen. san. delo, 1941, No. 8, 7–14.—**Weddell, J. M.** Medical organization in the field [war wounds and air raid casualties] Brit. M. J., 1939, **1:** 836. Also in War Wounds (Brit. M. J.) Lond., 1939, 9–13.—**Zamjatin, A. I.** [Distribution of surgeons at the front] Voen. med. J., Petrogr., 1916, **245:** med. spec. pt, 292–9.

FIGHTER.

See also **Aircraft,** Fighter; **Aircrew,** Oxygen supply; **Combat,** Air combat; **Dentistry,** Aviation dentistry.

Brouwer, J. E. Des limites aérophysiologiques imposées au pilote de l'aviation de chasse. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 133–44. Also Spanish transl., Rev. mil., B. Air., 1937, **69:** 141–8.—**Bürker, K.** Blutuntersuchungen an Fliegern eines Jagdgeschwaders. Luftfahrtmedizin, 1941–42, **6:** 333–9.—**Drugging** and doping of war flyers; Stukatablets and pep-pills. Australas. J. Pharm., 1942, **23:** 345.—**Fighter** pilot project. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 183–92.—**Fighter** pilot studies. Ibid., No. 16, 14–82.—**Ford, E. S. C.** Principles and problems of maintenance of fighter-bomber pilots; a report. War Med., 1945, **8:** 26–31.—**Kirsch, R. E.** A physiological study of aviators during combat flying. J. Aviat. M., 1945, **16:** 376–84.—**Meier-Müller.** Zur Physiologie und Psychologie der Kampfflieger. Praxis, Bern, 1944, **33:** 31.—**Vacca, C.** Brevi nozioni su problemi medici sorti in relazione ai nuovi compiti del pilota da caccia. Riv. med. aeronaut, 1948, **11:** 623–5.

FIGHTER aviation.

See also **Bomber; Flight.**

Gagge, A. P. Report on conferences at Wright Field; present day oxygen equipment; activity of radio personnel during flight; personnel problems in operation of gun turrets. 4p. 28cm. Wash., 1941.

Forms No. 17, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Romejko, W. J. Effects of fields of vision from fighter aircraft on the number and rate of accidents. 3 l. 27cm. Dayton, 1945.

Forms No. TSEAL–3–695–48L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

SWEENEY, H. M. Firing tests on pressurized airplanes. 46 l. 28cm. Dayton, 1943.
Forms No. ENG-49-426-40, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Römer, B. v., & Römer, H. v. Was können unsere Kampfflugzeuge aushalten? Umschau, 1941, **45**: 725–8, illust.—**Visual** fields of fighter aircraft vs accidents. Accid. Bull. (U. S. A. Air Forces) 1945, Sept., 2–5.

FILARIASIS.

See also **Dog,** Disease; **Helminthosis; Parasitosis.**

UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Filarial diseases. Rev. 8p. 27cm. Orlando, 1944.
Forms Pt 6, Notes Trop. Dis., Arctic, Desert Trop. Br. A. A. F., U. S.

Babione, R. N. Mumu; a few facts about filariasis for folks who fear that filaria-infected fellows will fetch filariae from the front. Hawaii M. J., 1945–46, **5**: 69–71.—**Boyd, W. S.** Filariasis. Malaria Control in War Areas, 1944, Dec., 5.—**Burhans, R. A., Camp, J. D.** [et al.] Lymphangitis of suspected filarial origin; a preliminary report concerning its treatment. U. S. Nav. M. Bull., 1944, **42**: 336–40.—**Coggeshall, L. T.** Filariasis in the serviceman; retrospect and prospect. J. Am. M. Ass., 1946, **131**: 8–12. ——— Care of the filariasis patient. Mil. Surgeon, 1946, **98**: 89–94.—**Early** filariasis in American soldiers. Bull. U. S. Army M. Dep., 1944, No. 76, 45–9.—**Faust, E. C.** Filariasis and schistosomiasis. N. Orleans M. & S. J., 1944–45, **97**: 115–20.—**Filariasis.** Bull. U. S. Army M. Dep., 1945, No. 85, 16.—**Filariasis,** reclassification of personnel with a history of, for duty without limitation as to area [Form letter] Bumed News Lett., Wash., 1944, **4**: No. 12, 29.—**Filariasis** Registry: Establishment of [Form letter] Ibid., No. 10, 29.—**Flynn, P. D.** Filariasis suspects; review of cases admitted. U. S. Nav. M. Bull., 1944, **42**: 1075–9.—**Fogel, R. H., & Huntington, R. W.,** jr. Genital manifestations of early filariasis. Ibid., **43**: 263–70.—**Haviland, J. W.** Recent experiences with filariasis. Northwest M., 1944, **43**: 371–6.—**Huntington, R. W., jr.** Skin reactions to Dirofilaria immitis extract. U. S. Nav. M. Bull., 1945, **44**: 707–17.—**Johnson, P. A. G.** Filariasis; clinical findings in 189 cases. Ibid., 1944, **43**: 950–4.—**King, B. G.** Early filariasis diagnosis and clinical findings; a report of 268 cases in American troops. Am. J. Trop. M., 1944, **24**: 285–98.—**Love, R. J. M.** Filariasis. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 877–9.—**Lowman, E. W.** Incidence of filariasis in children. U. S. Nav. M. Bull., 1944, **42**: 341–3.—**Lymphadenopathy** and filariasis. Bull. U. S. Army M. Dep., 1946, **5**: 250.—**Michael, P.** Filariasis among Navy and Marine personnel; report on laboratory investigations. U. S. Nav. M. Bull., 1944, **42**: 1059–74. ——— Filariasis; histopathologic study. Ibid., 1945, **45**: 225–36, 8 pl.—**Moore, J. L.** Notes on filariasis. Air Surgeon Bull., 1945, **2**: 374–7.—**Neumann, H.** Filariasis in the white man. Bull. U. S. Army M. Dep., 1945, **4**: 230–5.—**S., J. J.** Filariasis. Bumed News Lett., Wash., 1944, **3**: No. 5, 1–4.—**Saunders, G. M., Bianco, A. A., & Jordan, W. S.** Intradermal tests with Dirofilaria immitis antigen as a diagnostic aid in human filariasis. U. S. Nav. M. Bull., 1946, **46**: 1242–53.—**Smith, F. R.,** jr. Filariasis; a study of 737 patients so diagnosed. Ibid., 1945, **44**: 719–25.—**Special** study of filariasis. Bull. U. S. Army M. Dep., 1944, No. 81, 6.—**Study** (A) of lymph in relation to the chemotherapy and pathology of filariasis and malaria; microanalytical method for antimony in lymph, blood, urine and tissue. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 32.—**Thompson, K. J., Rifkin, H., & Zarrow, M.** Early filariasis in young soldiers. J. Am. M. Ass., 1945, **129**: 1074–9.—**Troops** exposed to filariasis parasite being observed at Wakeman General Hospital. Ibid., 1944, **126**: 305.—**Venner, R. B.** Filarial problem on Nanumea. U. S. Nav. M. Bull., 1944, **43**: 955–63.—**Westwater, J. O.** Filariasis bancrofti. Air Surgeon Bull., 1944, **1**: No. 10, 22.—**Zeligs, M.** Intradermal tests with Dirofilaria immitis extract in human filariasis. U. S. Nav. M. Bull., 1947, **47**: 824–6.—**Zuckerman, S. S., & Hibbard, J. S.** Clinicopathologic study of early filariasis with lymph node biopsies. Ibid., 1945, **44**: 27–36.

—— in animals.

See also **Dog,** Disease.

Singh, R. K. Cutaneous filariasis. J. R. Army Vet. Corps, 1944–45, **16**: 193.—**Tests** on the effectiveness of urea stibamine (Brahmachari) in the treatment of dog filariasis. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 29.

FILE system.

See also **Records administration.**

UNITED STATES. WAR DEPARTMENT. ADJUTANT GENERAL OF THE ARMY. War Department decimal file system. 427p. 23½cm. Wash., 1943.

Design for a combination health and service record filing cabinet and desk. Bumed News Lett., Wash., 1944, **3**: No. 10, 14.—**Maughan, G. B.** Medical records-keeping. Med. J. (R. Canad. Navy) 1944, **7**: No. 11, 1–14.—**Simon, G. B., & Berwick, L.** Considerations for the establishment and use of machine records systems. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 18, 57–72. ——— Determiners for the use of machines. Ibid., 57–61. ——— The records system. Ibid., 73–86. ——— Basic records files. Ibid., 87–136. ——— Training data files. Ibid., 137–208.

FILTER.

See also **Water supply.** For optical filter see under **Eyeglass.**

Ikhelevich. [A filter plant made from materials on hand] Voen. san. delo, 1942, No. 9, 59–62.—**Report** on captured enemy equipment; Membranfilter, German. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 32.

FINGER.

See also **Extremity; Extremity injury; Fracture; Hand.**

Burnett, H. A. An early regime for severe finger injuries. Mil. Surgeon, 1949, **105**: 25.—**Du Bourguet, & Bouille.** Un cas de luxation ouverte complexe métacarpo-phalangienne de l'index; réduction opératoire. Bull. Soc. méd. mil. fr., 1938, **32**: 48.—**Furlong.** Finger injuries in tank crews. Brit. M. J., 1943, **1**: 483.—**Oldham, J. B.** War wounds of the fingers. Med. Press & Circ., Lond., 1940, **204**: 476–80. Also in Mod. Treatm. Yearb. (Wakeley, C. P. G.) Lond., 1941, 299–308.—**O'Toole, J. B.,** jr. Celluloid splint in traumatic amputation of distal phalanges. U. S. Nav. M. Bull., 1944, **42**: 460.—**Read, F. L., & Haslam, E. T.** Immediate skin grafts on finger injuries. Ibid., 183–6.—**Schulze, H. A.** Treatment of fracture-dislocations of the proximal interphalangeal joints of the fingers. Mil. Surgeon, 1946, **99**: 190.—**Thompson, C. M.** Danger of finger rings. U. S. Nav. Bull., 1946, **46**: 1273.—**Ulfelder, H.** Fingers and thumbs. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 31, 16–9.—**Wurl, O. A.** Hereditary clubbing of the fingers and toes; case report. Mil. Surgeon, 1949, **105**: 217–9.

FINGERPRINT.

See also **Identification.**

Fukuda, R. [Study of finger-prints of naval men; frequency of appearance of every type and index number of finger-prints] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 14–21.

FINLAND.

For material related to this country see the following headings of Military Section: **Dental service; Hospital report; Medical care; Medical service; Morbidity; Nurse Corps; Nursing service; Tuberculosis; Veterinary Corps; World War II.**

FINSCHHAFEN.

See under **World War II.**

FIREARM.

See also **Weapon.**

Alvaro-Alberto. Sobre a erosão das armas de fogo. An. Acad. brasil. cienc., 1942, **14**: 327; passim.—**Kustanovich, S.** Oružie ognestrelnoe. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 87–96, pl.—**Wilson, L. B.** Firearms and projectiles; their bearing on wound production. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 9–56.

FIRE power.

See also **Combat; Neuropsychiatric casualty; War neurosis.**

C., E. L. Effect of benzedrine on fire power, preliminary report of a controlled field study. Bumed News Lett., Wash., 1943, **1**: No. 6, 18.—**Marshall, S. L. A.** Ratio of fire. In his Men against Fire, N. Y., 1947, 50–63. ——— Fire as the cure. Ibid., 64–84.

FIRE protection.

See also **Heat.**

BUETTNER, K. Effects of extreme heat on man; protection of man against conflagration heat. 18p. 26½cm. Randolph Field, 1950.
Forms Rep. No. 1, Proj. No. 21-02-103, U. S. Air Force School Aviat. M.

UNITED STATES. WAR DEPARTMENT. Fire protection in civilian defense. 44p. 24cm. Wash., 1941.
In: Textbooks (U. S. Off. Civilian Defense. Training Sect.) after 1942.

Yaglou, C. P., King, B. G., & Vollmer, E. P. A suggested water suit for protection against fire and intense heat. 4p. 26½cm. Bethesda, 1947.
Forms Rep. No. 1, Res. Proj. NM 007 033, U. S. Nav. M. Res. Inst.

FIRST aid.

See also subsequent headings; also **Battle,** Medical work; **Battlefield,** Medical service; **Chemical warfare,** First aid; **Emergency medical service,** First aid; **Eye injury,** Treatment; **Gas poisoning,** First aid; **Surgery,** emergency, etc.

American First Aid Conference. Boston M. & S. J., 1915, **173**: 675.—**Baehr, G.** Advanced first aid for civilian defense. Med. Rec., N. Y., 1941, **154**: No. 11, 20. Also Rhode Island M. J., 1941, **24**: 228.—**Boyce, L. P.** First aid on the giant flying boats. Red Cross Courier, 1938–39, **18**: No. 12, 9.—**First** aid. U. S. Nav. M. Bull., Wash., 1919, **13**: Suppl., 43.—**First** aid, no gas. Red Cross Courier, 1943–44, **23**: No. 4, 13.—**Macdonald, W. G.** Care for Home Guard casualties. Lancet, Lond., 1941, **2**: 295.—**Maslinkovsky, T., & Rozanov, P.** Pervaja pomoŝć. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 384–8.—**Roe, G. C. F.** First-aid in war-time. Lancet, Lond., 1941, **2**: 582.—**Rybushkin, I.** Neotloźnaja pomoŝć. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1308–11.

—— Apparatus and equipment.

See also **First-aid post.**

Alstead, S. First-field dressing. Lancet, Lond., 1941, **2**: 383.—**Gutman, W.** Comment; homeopathic remedies for first aid in air-raids and similar emergencies. J. Am. Inst. Homeop., 1942, **35**: 278.—**Kraus, J. H.** First aid in war emergency; how to make apparatus. Science News Lett., 1942, **41**: 168.

—— Instruction.

Great Britain. Ministry of Home Security and Ministry of Health. Air raid precautions handbook No. 10: Training in first aid for civil defence purposes. 2. ed. 68p. 25cm. Lond., 1944.

United States. Army. Signal Corps Replacement Training Center [Fort Monmouth] BTD–5: First aid; instructor's lesson plans. 82p. 26cm. Red Bank, 1942.

United States. War Department. Technical bulletin TB MED 116: Use of war wound moulages in teaching emergency medical care and first aid. 8p. 26cm. Wash., 1944.

United States. War Department. Surgeon General's Office. Army Medical Museum. Instructions; graphic portfolio on first aid. 52 l. 112cm. Wash., 1943.

Abramov, P. V. Instrukcija po organizacii khirurgičeskoj pomoŝči ranenym na fronte. Voen. med. J., Moskva, 1947, No. 2, 49–56.—**Bernoulli, R.** Einführung in die erste Hilfe. Militärsanität, Zür., 1946, **28**: 63; passim.—**Collective** training at an aid post. Brit. M. J., 1940, **2**: 163.—**Cutler, E.** Lecture at the Royal Naval Hospital, Chatham. Lancet, Lond., 1943, **1**: 531.—**Examination** in first-aid. War Doctor, 1942–43, **1**: No. 12, 9.—**First** aid personnel instructions; procedure on inoculations given at first aid stations. In: Prev. Med. in World War II, Wash., 1948, **8**: 193.—**Hunt, S. M., jr.** First aid instruction for Army airmen. Red Cross Courier, 1940–41, **20**: No. 6, 6.—**Johnston, J. M.** First-aid instruction in war-time. In: War & Doctor (Mackintosh, J. M.) 2. ed., Lond., 1940, 99–116.—**Scott, D. C.** First-aid teaching to non-medical personnel. J. R. Army M. Corps, 1944, **82**: 286–8. ——— The teaching of first-aid to non-medical personnel in the British Army. In: Interallied Conf. War Med. (1942–45) 1947, 44–6.—**Soldiers** should be taught first aid. J. Am. M. Ass., 1941, **117**: 468.—**Spira, J. J.** First-aid standard lecture for troops. J. R. Army M. Corps, 1943, **80**: 149–51.—**Stafford-Clark, D.** The teaching of first-aid in the air to non-medical personnel in the Royal Air Force. In: Interallied Conf. War Med. (1942–45) 1947, 46–9.

—— Manual.

See also **Wounded,** Treatment.

Akester, E. Practical wound treatment; a first aid book illustrating the use of the pad and bandage as issued to all services. 47p. 21½cm. Aldershot, Engl., 1944[?]

American Red Cross. Advanced first aid for civilian defense. 28p. 23cm. Wash., 1941.

Anleitung in der ersten Hilfeleistung bei Unglücksfällen auf Torpedobooten, Peilbooten, Wachtbooten u. dgl. Neuabdruck unter Berücksichtigung der bis zum 1. März 1905 eingetretenen Aenderungen. 23p. 16° Berl., 1891 [1905]

Bailey, E. G. Wartime first aid for everyman. 96p. 13½cm. Bickley, Engl., 1942.

Burci, E. Assistenza ai feriti. 36p. 16° Milano, 1915.
Forms No. 18 of Probl. san. guerra.

Calliano, C. Soccorsi d'urgenza. 9. ed. 439p. 18° Milano, 1916.

Cowell, E. M. The pocket book of first aid in accidents and air raids, including chemical warfare. 3 ed. 92p. 16cm. Lond., 1941.

Eiselberg, F. v. Verwundetenfürsorge im Kriege. 32p. 8° Wien, 1914.

Eliason, E. L. First aid in emergencies. 11. ed. With a supplement on civilian defense and poison gases. 260p.; S1–S16p. 17½cm. Phila., 1942.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 53d/63: Richtlinien für die Versorgung Verwundeter in den vorderen Sanitäts-Einrichtungen. 163p. 14cm. Berl., 1942.

Gorinevskaia, V. V., & Ramm, M. G. Первая хирургическая помощь при травмах военного и мирного времени. 388p. 22cm. Moskva, 1942.

Great Britain. Ministry of Health. Circular 1831: Air raid precautions act, 1937; collective training for first aid posts. 5p. 24½cm. Lond., 1939.

Hammer, N. W. First aid for war casualties. 2. ed. 78p. 18½cm. Lond., 1943.

Keogh, C. First aid for fighting men. 8p. 17cm. Lond., 1942[?]

Laun, R. Vademekum des Truppenarztes; erste Hilfe. 276p. 19½cm. Münch., 1939. Also 3. Aufl. 283p. 1940. Also 4. Aufl. 296p. 20cm. Münch., 1943.

Lindsay, D. Civilian first aid for war wounded. 89p. 18cm. Croydon, 1940.

Medicus [pseud.] Everybody's pocket first aid for war-time, with full page diagram of arterial pressure points. 60p. 12cm. Jerusalem, 1941.

Merkblätter über Hilfeleistung bei Erkrankungen durch chemische Kampfstoffe. 56p. 14½cm. Wiesb., 1939.

Morin, E. Guide pratique de l'infirmière-hospitalière et de l'infirmier-brancardier. 5. ed. 206p. 8° Par., 1932.

Perego, V. Sgombero dei feriti e degli ammalati in guerra. 2. ed. 32p. 16° Milano, 1915.
Forms No. 8 of Probl. san. guerra.

Salmond, M. A first book of first aid in peace and war. 4. impression. 88p. 14cm. Exeter, 1941.

Scotland. Department of Health. Emergency medical services memorandum No. 4: Memorandum for the guidance of medical officers and other personnel at first aid posts. 20p 24½cm. Edinb., 1939.

United States. Army. Letterman General Hospital. Minor surgery and first aid. 57p. 27cm. S. Franc., 1944.

United States. Army. Quartermaster Reserve Training Corps. Instructors guide, 1G–16: First aid. 18p. 27cm. Camp Lee, 1943.

United States. Army Air Forces Preflight School (B–N) Office of the Surgeon. First aid and military hygiene for pre-flight school (B–N) v. p. 27cm. Monroe [194–?]

United States. Office of Civilian Defense. First aid in the prevention and treatment of chemical casualties. 31p. 24cm. Wash., 1941.
In: Textbooks (U. S. Off. Civilian Defense. Training Sect.) after 1942.

—— A handbook for rescue squads. 56p. 19cm. Wash., 1941 [i. e. 1942]
In: Handbooks (U. S. Off. Civilian Defense. Training Sect.) 1942.

—— & American Red Cross. Handbook of first aid. 72p. 19cm. Wash., 1941 [i. e. 1942]
In: Handbooks (U. S. Off. Civilian Defense. Training Sect.) 1942.

Wenger, H. L., & Sense, E. First aid primer, also including civilian defense health aids, emergency feeding, blackout instructions, morale through nutrition. 104p. 21cm. N. Y., 1942.

Wood, R. C. The soldier's first aid; a simple treatise on how to treat a sick or wounded comrade. 93p. 8° Toronto, 1917. Another edition. 119p. 14½cm. Toronto, 1940.

—— Medical service.

See also **Emergency medical service.**

Doctors at first-aid posts. Med. Times, Lond., 1939, **67**: 121. Also Brit. M. J., 1941, **2**: Suppl., 47.—**Hull, G. R.** Doctors at first-aid posts. Ibid., 69.—**Lyth, J. C.** Doctors at first-aid posts. Ibid., 72.—**Ross, J. M.** A. R. P.; where the G. P. comes in. Lancet, Lond., 1940, **2**: 54.—**Trenkler, R.** [Medical aid during war] Voj. zdrav. listy, 1926, **2**: 20–5.—**Uniforms** for doctors at first-aid posts. Brit. M. J., 1941, **2**: Suppl., 71.

—— military.

See also **Injury,** Treatment; First treatment.

Bachrach, W. H. First aid at high altitudes. Air Surgeon Bull., 1945, **2**: 102.—**Bevan, F. A.** A simplified method of applying the Thomas' splint as a first-aid measure. J. R. Army M. Corps, 1943, **81**: 244–7.—**First-aid** for every soldier. Lancet, Lond., 1941, **2**: 313–6.—**First aid** for the Fourth Armored Division. Red Cross Courier, 1942, **21**: No. 10, 16.—**First aid** simplified. Bull. Army M. Dep., Lond., 1943, No. 20, 10.—**Gilbert, E. W.** First aid. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 147–9.—**Hyde, F. S.** Nursing and first aid among subjects taught medical soldiers. Hosp. Management, 1943, **55**: No. 5, 54–8.—**Johnson, H. S.** Streamlined first aid. Mil. Surgeon, 1944, **94**: 41–5.—**Keler, A.** Naša iskustva u obuci vojnika u pružanju prve pomoći i samopomoći. Voj. san. pregl., Beogr., 1949, **6**: 135.—**Martínez Almoyna, C.** Cirugía de las primeras urgencias de campaña. Medicina, Madr., 1946, **14**: pt 1, 135–49.—**Ramsay, W. A.** First-aid for every soldier. Lancet, Lond., 1941, **2**: 382.—**Robinson, W. W.** First aid to the war wounded. J. Maine M. Ass., 1917–18, **8**: 166–9.—**Serrano, J.** El socorro de urgencia. Ejército, 1941, No. 23, 51–4.—**Vestal, P. W.** Emergency field treatment. Connecticut M. J., 1942, **6**: 937–40.—**Weber, M. R.** [On the evaluation of first aid at the front and treatment of a certain category of surgical patients at the base hospitals] Ortop. travmat., Kharkov, 1940, **14**: No. 4, 8–13.

—— Mobile unit.

See also **Emergency medical field unit.**

Great Britain. Ministry of Health. Emergency medical services memorandum No. 7: Notes on the use of mobile first aid units in the Civil Defence First Aid Post Service. 8p. 16½cm. Lond., 1944.

Cronin, E. The mobile unit and early care of casualties. Brit. M. J., 1941, **1**: 793.—**Hospitals** organize catastrophe units; New York City. J. Am. M. Ass., 1941, **117**: 128.—**Mobile** units again. Lancet, Lond., 1940, **2**: 79.

—— naval.

Great Britain. Admiralty. First aid in the Royal Navy. 115p. 14cm. Lond., 1932. Also another ed. 117p. Lond., 1941. Also new ed. 106p. 18cm. Lond., 1943.

United States. Public Health Service. The ship's medicine chest and first aid at sea. 207p. 23½cm. Wash., 1929.

Grube, F. Seaway first aid. Red Cross Courier, 1942–43, **22**: No. 6, 13.—**Wise, J. C.** First aid in naval warfare. J. Ass. Mil. Surgeons, 1905, **16**: 153–61.

—— Organization.

See also **Aid station; Burns,** Treatment, field; **Chemical warfare,** First aid; **Emergency medical service,** Organization; **First-aid post.**

First aid; it is citizen's big civilian defense job. Life, 1941, **11**: No. 13, 75–83.—**Hodgson, J. C.** First-aid to the injured. Lancet, Lond., 1941, **2**: 502.—**Poblete Núñez, O.** Los servicios de primeros auxilios en el Reino Unido. Arch. Soc. cirujan. hosp., Santiago, 1944, **14**: 34–8.—**Ward, G.** Casualty organisation by the home guard. Lancet, Lond., 1941, **1**: 708.

—— Technic.

See also **Emergency medical service; Surgery,** emergency; **Surgical technic.**

Drigalski, W. v. Erste Hilfe, Transport, Lazarett. In his Aufstieg d. San. Korps, Oldenb., 1939, 129–35.—**Garré, K.** Was hat der Krieg hinsichtlich der ersten Wundversorgung Neues gelehrt? Deut. mil. ärztl. Zschr., 1918, **47**: 201–7.—**Lasher, W. W.** First aid vs. subsequent treatment. Mil. Surgeon, 1940, **87**: 129–33.—**Stice, L.** Wartime first aid. Hygeia, Chic., 1942, **20**: 412–5.—**Tinter & Rosner.** Zur ersten Hilfe im Kriege und im Frieden. Wien. klin. Wschr., 1916, **29**: 965.

FIRST-AID bag.

See **Bag.**

FIRST-AID kit.

See also **Kit.**

Babcock, E. R. Field testing of seamless die-drawn aluminum first aid kits. 14 l. 27½cm. Camp Lejeune, 1949.
Forms Rep. No. 17, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

Mahoney, D. I., jr. Kit; First Aid, Battle Dressing Set, Complete. 9 l. 27cm. Dayton, 1948.
Forms No. MCREXD–698–35, U. S. Air Force Aero M. Laborat.

—— Kit, First Aid, Battle Dressing, All Climate, Aircraft. 12p. 27cm. Dayton, 1948.
Forms No. MCREXD–698–35A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Shelesnyak, M. C. Design of a first-aid kit for use on pneumatic life-rafts. 2 l. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X–554, U. S. Nav. M. Res. Inst.

—— & Margolis, S. Design of an individual first aid kit for aviation personnel. 10p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–371, U. S. Nav. M. Res. Inst.

Spangler, H. J. Development of a jungle first aid kit, individual. 12p. 27cm. Camp Lejeune, 1945.
Forms Res. Proj. X–590, U. S. Nav. M. Field Res. Laborat.

United States. Naval Medical Research Institute. Research project X–554, report No. 1, supplement: Tentative specification, kits, first-aid, camouflaged, for pneumatic life rafts. 20p. 26½cm. Bethesda, 1945.

Demolis, Thomann & Chausse. Contribution à l'étude physico-chimique et bactériologique des paquets de pansement individuel militaires. Rev. internat. Croix-Rouge, 1927, **9**: 905–49.—**First-aid** kits, auxiliary [form letter] Bumed News Lett., Wash., 1943, **2**: No. 4, 24.—**Heibel, G. A.** First aid container from a salad oil can. Hosp. Corps Q., 1944, **17**: No. 5, 119.—**Mkhitarov, S.** Individualnyj paket. In: Bolsh. med. encikl., 1930, **11**: 380.—**Morrison, O. B., jr.** An emergency kit for use by medical departments in ships. U. S. Nav. M. Bull., 1942, **40**: 425–7, 2 pl.—**MacInnes, W. H.** Preservation of first-aid materials in gun bags located at positions exposed to the weather. Hosp. Corps Q., 1943, **16**: No. 2, 68.—**New** emergency field kit. Surg. Business, 1942, **5**: No. 9, 10.—**Palmer, D. W.** A seagoing first-aid kit. U. S. Nav. M. Bull., 1945, **44**: 406.—**Pervov, A.** Individualnyj protivokhimićeskij

paket. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 908–10, 2 pl.—**Poland, W. M.** Watertight first-aid kits. Hosp. Corps Q., 1945, 18: No. 5, 34.—**Shelesnyak, M. C.** First-aid kit for aviation personnel. U. S. Nav. M. Bull., 1945, 44: 1284–7.

FIRST-AID man.

See with **Medical troops**; also **Aid station; Hospital Corps.**

FIRST-AID post.

See also **Aid station; Emergency medical field unit; Emergency medical service,** First aid; **First aid** subheadings (Manual; Medical service)

Great Britain. Ministry of Health. Circular 1764: Air raid precautions act, 1937: First-aid posts and ambulance services. 9p. 24½cm. Lond., 1939.

Air raids, doctors and first-aid posts. Med. J. Australia, 1942, 1: 383.—**Elder, H. H. A.** First-aid-post work in air raids. Brit. M. J., 1942, 1: 275.—**Equipment** (The) of first-aid posts. Pharm. J., Lond., 1942, 94: 116.—**First** (The) aid post, its organization and activities. News Lett. Suffolk Co. M. Soc., 1941, 19: No. 12, 8.—**First-aid** post equipment. Lancet, Lond., 1942, 1: 371.—**First-aid** posts. Ibid., 1940, 2: 27. Also Brit. M. J., 1941, 2: Suppl., 33. Also Med. Press & Circ., Lond., 1941, 206: 397.—**First-aid** posts and hospitals in air attack. Lancet, Lond., 1939, 1: 168.—**First** aid posts in London. J. Am. M. Ass., 1939, 112: 2448.—**First** Wisconsin mobile casualty station. Wisconsin M. J., 1942, 41: 493.—**Line, L. A. N.** First-aid-post work in air raids. Brit. M. J., 1942, 1: 193.—**Nicholls, T. B.** The organization of a first-aid post. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 813–20; 2. ed., Balt., 1942, 2: 933–40.—**Popov, G. M.** [First-aid stations for wounded in air-raids] Feldsher, Moskva, 1938, No. 11, 57–63.—**Practice** at a first-aid post. Nurs. Times, Lond., 1940, 36: 634.—**Russell, V.** First aid posts as temporary welfare centres. Med. Off., Lond., 1940, 63: 69.—**Smith, F. E. G.** A First-Aid Post near the Thames. Med. Press & Circ., Lond., 1941, 206: 465–8.—**Treatment** at first-aid posts. Nurs. Times, Lond., 1939, 35: 1142; 1178.

FIRST-AID tag.

See also **Identification tag.**

Jackson, V. A. The emergency medical tag. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 150–3.—**Strott, G. G.** The individual first-aid packet and the emergency medical tag. Hosp. Corps Q., 1943, 16: No. 2, 29–46.

FISH.

See also **Food inspection; Food poisoning.**

United States. Air Force. Arctic, Desert and Tropic Information Center. Informational bulletin. Ser. A, No. 11: Poisonous and dangerous fishes of the Tropical Pacific. 15p. 27cm. Eglin Field, 1943.

Poisonous fish in the Marshall Islands. Bull. U. S. Army M. Dep., 1944, No. 76, 32.—**Venomous** fishes. Ibid., No. 72, 10–2.—**Vonfraenkel, P. H., & Krick, E. S.** Fish poisoning by barracuda in the Marianas. U. S. Nav. M. Bull., 1945, 44: 427–31.

FITNESS.

See also **Aviator,** Fitness; **Civilian Defense Office; Medical examination,** Physical standards; **Preparedness; Recruit; Recruiting; Rejection; Unfit,** also under such terms as **Defect; Dental health,** Defects; **Vision,** etc.

Weiss, R. A. Physical fitness of entering AAF personnel. 5p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 195, U. S. Air Force School Aviat. M.

Army Air Forces physical fitness research program. Res. Q. Am. Ass. Health, 1944, 15: 12–5.—**Bock, A. V.** Civilian fitness. Hygeia, Chic., 1943, 21: 431.—**Caceres, J. A.** Aptitud para el servicio militar. Rev. san. mil., B. Air., 1932, 31: 413–28.—**Civilian** physical fitness. J. Health Phys. Educ., 1943, 14: 518.—**Currier, D. E.** Population fitness as it affects our national defense. Trained Nurse, 1941, 107: 106.—**Fitness** for service. Lancet, Lond., 1940, 2: 75.—**Freudenthal, P., & Frederiksen, E.** The proper physical state. Militaerlaegen, 1935, 41: 239–42.—**Geiges, E.** Physical fitness for wartime demands. J. Health Phys. Educ., 1943, 14: 11.—**Hall, J.** Physical fitness of every individual is essential to winning the war. Florida Health Notes, 1942, 34: 73–5.—**La Salle, D., & Larrick, N.** Physical fitness and the Schools at War Program. J. Health Phys. Educ., 1942, 13: 475.—**Legrand, C.** Il faut moderniser le règlement sur l'aptitude physique au service militaire. Bull. Soc. méd. mil. fr., 1922, 16: 220–2.—**Melnotte.** L'aptitude physique dans l'armée nouvelle. Sem. hôp., Par., 1948, 24: 136–41.—**Miles, W. R., Ryan, T. A., & McFarland, R. A.** Physical conditions of efficiency. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 199–224.—**National** fitness. Health Bull., Melb., 1938, No. 55, 1544–6.—**Our** puny American youth. Good Health, 1940, 75: 99.—**Perrott, G. S. J.** Physical status of American young men. Connecticut M. J., 1941, 5: 817.—**Physical** fitness of American youth, 1917–18 and 1940–41. Month. Labor Rev., 1941, 53: 395.—**Rogers, J. F.** F. F. F. F., 2000 A. D. J. School Health, 1948, 18: 137–42.—**Rothe, H. F., Paterson, D. G.** [et al.] Efficiency and fatigue. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 167–98.—**Selectees** and their physical fitness. N. England J. M., 1942, 226: 663.—**Van Etten, N. B.** Fitness for the national emergency. North Carolina M. J., 1941, 2: 278–83.—**Weible, W. L.** Fit to fight. J. Health Phys. Educ., 1944, 15: 128 &c.—**Zahn, F.** Allgemeine Wehrpflicht und die Statistik. Allg. statist. Arch., 1935–36, 25: 81–8.

—— Borderline cases.

See also such terms as **Dental health,** Defects; **Tuberculous,** Fitness, etc.

Farwell, W. G. Additional border-line cases at the recruiting office. U. S. Nav. M. Bull., 1917, 11: 584, 9 pl.—**Lazzari, A.** Lesioni permanenti e idoneità militare. Forze san., Roma, 1934, 1427–9.—**Lull, G. F.** Fitness for duty of military patients on discharge from hospital. J. Indiana M. Ass., 1945, 38: 82.—**Messing, K.** Die Beurteilung der Dienstfähigkeit und Dienstunfähigkeit für den Truppenarzt; Beurteilung bei orthopädischen Krankheiten. Münch. med. Wschr., 1942, 89: 985–9.—**Squirru, C. M.** Consideraciones de las enfermedades proteiformes que están colocadas en límites de la aptitud y la inaptitud para el servicio de las armas. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., 7: 679–82.—**Starfinger.** La capacidad para el servicio militar en general y de la aviación en particular, después de las enfermedades. Rev. san. mil., B. Air., 1944, 43: 627–41.—**Uhlenbruck.** Consequences of diphtheria, treatment, and judgement of the fitness for military service. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 197–205.

—— Conditioning.

See also **Physical training; Training.**

Armee und körperliche Ertüchtigung. Praxis, Bern, 1941, 30: 832.—**Bock, A. V.** Civilian fitness. Hygeia, Chic., 1943, 21: 344.—**Bookwalter, K. W.** A critical analysis of achievements in the physical fitness program for men at Indiana University. Res. Q. Am. Ass. Health, 1943, 14: 184–93.—**Daubert, R. B.** A physical conditioning program as conducted at Michigan State College. Ibid., 175–83.—**Duggan, A. S.** An open letter to the members, American Association for Health, Physical Education, and Recreation. J. Health Phys. Educ., 1942, 13: 3; 52.—**Greenbie, M. L. B.** The lusty art of keeping fit. In her Art of Living in War., N. Y., 1943, 182–98.—**Grout, R. E.** Physical fitness through health education; a wartime manual for high schools. J. Health Phys. Educ., 1943, 14: 429.—**Hellebrandt, F. A.** Medical implications of the British national fitness campaign. War Med., Chic., 1942, 2: 230–45. —— **& Karpovich, P. V.** Fitness, fatigue and recuperation; survey of methods used for improving the physical performance of man. Ibid., 1941, 1: 745–68.—**McCristal, K. J.** Pre-military conditioning. J. Health Phys. Educ., 1943, 14: 28.—**National** (The) Co-ordinating Council for Physical Fitness. Health, Canberra, 1939, 17: 13–9.—**Owen, H. R.** Keeping fit for victory. Am. J. Pharm., 1942, 114: 157–66.—**Preparation** of teachers for physical fitness program through health education. Month. Bull. Bd Health Indiana, 1943, 46: 162.—**Rott, O. M.** Health education program for physical fitness. Northwest M., 1943, 42: 105–8.—**Wilce, J. W.** The physical fitness program. J. Am. M. Ass., 1943, 122: 193.—**Yoho, R.** What is the function of the Physical Fitness Committee of Office of Civilian Defense? Month. Bull. Bd Health Indiana, 1943, 46: 105.

—— Constitution.

See also **Anthropometry; Height and weight.**

Agnello, V. La costituzione morfologica nella valutazione fisica militare. Endocr. pat. cost., Bologna, 1933, n. ser., 8: 169–200, ch.—**Bober, H.** Die Bedeutung der Konstitutionswissenschaft für die Wehrmacht. Konst. & Klinik, 1939, 2: 9–16.—**Cassinis, U.** Il servizio militare e l'indirizzo costituzionalistico in biologia e patologia. Riv. san. sicil., 1930, 18: 1513. —— L'indirizzo costituzionalistico e il servizio militare. Endocr. pat. cost., Bologna, 1931, n. ser., 6: 365–79.—**Distribution** of somatotypes in RTC recruits. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 8.—**Freeman, R. G.** Constitutional factors in the selection of recruits. U. S. Nav. M. Bull., 1942, 40: 631–41.—**Gerlach, P.** Neue Beiträge zur Frage der militärischen Brauchbarkeit und Bewährung der Konstitutionstypen. Veröff. Heer. San., 1938, H. 105, 258–75.—**Gigon, A.** Konstitution und Rekrutierung. Schweiz.

med. Wschr., 1923, **53**: 325–32.—**Kraus.** Habitus und Diathese in ihrer Bedeutung für die militärärztliche Gutachtertätigkeit. Med. Klin., Berl., 1917, **13**: 79.—**Lo Schiavo, R.** Ricerche sulla valutazione costituzionale militare con i due quozienti biometrici del Pende. Ann. med. n'av., Roma, 1939, **45**: 19–27.—**Müller, F. v.** Einiges über konstitutionelle Erkrankungen und Dienstfähigkeit. Berl. klin. Wschr., 1917, **54**: 22.—**Müller, O.** Ueber die Bezeichnung der Körperformen beim Musterungsgeschäft und bei Reihenuntersuchungen. Deut. Militärarzt, 1939, **4**: 28–33.—**Paolillo, S.** La costituzione fisica secondo i moderni concetti e la selezione dei militari. Gior. med. mil., 1930, **78**: 335–47.—**Pende, N.** La valutazione constituzionale militare. Riforma med., 1937, **53**: 447–50.—**Physique** (The) of recruits. Nature, Lond., 1917, **100**: 109.—**Rocha Vaz.** Constituição individual e recrutamento militar. An. Hosp. centr. exerc., Rio, 1942, 7: 15–24. Also Rev. méd. brasil., 1944, **16**: 73–91.—**Tunoda, S.** Sōtei ni okeru taikaku oyobi taisitu-kei ni tuite [On the types of physique and diathesis (constitution) found in (young army) conscripts] Zyuzenkai zassi, 1931, **36**: 131–55.

—— Factors.

Meisner, H. Einfluss der sozialen Lage auf die Militärtauglichkeit. p.342–99. 25½cm. Münch., 1913.
In: Krankh. & soziale Lage, Münch., 1913, 1: 342–99.

Noack, V. Militärdiensttauglichkeit und Berufstätigkeit, soziale Stellung und Wohnweise in Oesterreich-Ungarn, insbesondere in Wien. p.77–128. 24cm. Lpz., 1915.
Arch. sozial. Hyg., 1914, **10**:

Bonney, M. E. Psychological factors in total fitness for war. J. Health Phys. Educ., 1943, **14**: 254.—**Cove-Smith, R.** Factors in national fitness. J. R. Inst. Pub. Health, 1940, **3**: 157–61.—**Ferraz, A.** A idade na formação dos contigentes militares. Neurobiologia, Recife, 1939, **2**: 237–46.—**Kark, R., & Doupe, J.** Nutrition, environment and physical fitness; a study of Indian soldiers in Burma. J. Trop. M. Hyg., Lond., 1946, **49**: 103–7.—**Ottolenghi.** L'abilità al servizio militare in rapporto alla capacità lavorativa civile. Zacchia, 1921, **1**: 71.—**Physical** efficiency in relation to diet. Res. Program U. S. Army Med. Res. Bd, 1947, July, 24; 1948, Jan., 67.

—— Medical judgment.

See also subheadings of **Medical examination** (Interpretation of findings; Physical standards)

Dienstanweisung zur Beurteilung der Dienstfähigkeit für das Heer und zur Ausstellung Heeresärztlicher Zeugnisse (D. A. Of.) vom 22. 3. 1929. 264p. 8°. Berl., 1929.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 53d/62: Aerztliche Anweisung zur Beurteilung der Kriegsbrauchbarkeit bei Kriegsmusterungen. V. U. Wm. T. 4, Ausz. 1. 33p. 21cm. Berl., 1942.

—— [The same] Medical instructions for the classification of registrants with regard to their fitness for military service in wartime. 12 August 1942. 33 l. 33cm. n. p., 1948 [?]
Forms Pt 1, Proj. 1, Med. Sect. U. S. Naval Techn. Unit Europe.

Duthie, J. J. R. Classification of the Army intake on a basis of physical capacity; report of a suggested method. J. R. Army M. Corps, 1944, **83**: 86–9.—**Fürst, T.** Die Verwertung schulärztlicher Ergebnisse für die Beurteilung der Militärdiensttauglichkeit. Münch. med. Wschr., 1935, **82**: 984–7.—**Hayes, P. W.** The evaluation of physical efficiency. Bull. U. S. Army M. Dep., 1949, **9**: 599–601.—**Martin, J. F.** Physical fitness for overseas service. Boston M. & S. J., 1919, **153**: 527.—**Müller, H.** Die Beurteilung der Tauglichkeit für die Wehrmacht. Münch. med. Wschr., 1935, **82**: 867. ——— Tauglich für die Wehrmacht. Umschau, 1935, **39**: 517.—**Oliveira Esteves, J. d'.** Cómo debe interpretarse la aptitud y capacidad para el servicio militar. Rev. san. mil. argent., 1948, **47**: 459–62.

—— naval.

United States. Navy. Bureau of Naval Personnel. Training Division. Physical Fitness Section. Physical fitness manual for the U. S. Navy. 145p. 27cm. Wash., 1943.

Physical fitness of officers. U. S. Nav. M. Bull., 1941, **39**: 571.—**Tunney, J. J.** Physical fitness of naval personnel. Ibid., 471–9.

—— Tests.

See also **Medical examination,** Test; also **Aviator,** Fitness tests; **Neuropsychiatric examination** subheadings.

Bean, W. B., Park, C. R. [et al.] A critique of physical fitness tests. 62 l. 29½cm. Fort Knox, 1947.
Forms No. 56–1, Proj. U. S. Armored Med. Res. Laborat.

Behnke, A. R., Welham, W. C. [et al.] The step-up test to evaluate fitness for physical exertion in healthy men. 26p. 26½cm. Bethesda, 1943.
Forms Rep. No. 2, Res. Proj. X–134, U. S. Nav. M. Res. Inst.

Spear, C. J., & Smith, R. E. Report of findings of the G. B. Ray spectroscopic measurement of blood reduction time as an index to physical fitness. 15p. 26½cm. Bethesda, 1945.
Forms Rep. No. 3, Res. Proj. X–134, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. 5: Crew fatigue. First partial report on Sub-Project No. 5–29, development of tests to evaluate the physical fitness of men; comparison of tests of physical fitness. v. p. 28cm. Fort Knox, 1944.

—— Project No. 8: First partial report on Project No. 8: Preselection tests [Military personnel] v. p. 28cm. Fort Knox, 1943.

—— Project No. 8: Second partial report on Project No. 8: Preselection tests [Military personnel] v. p. 28cm. Fort Knox, 1944.

—— Project No. 8: Final report on Project No. 8: Preselection tests [Military personnel] v. p. 28cm. Fort Knox, 1945.

Baru, V. I., & Vladimirov, G. E. [Physiological value of 3000 meter sprint as test of physical fitness] Voen. med. J., Moskva, 1932, **3**: 384–9.—**Bean, W. B., Park, C. R.** [et al.] A critique of physical fitness tests. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 3, 1–42, 21 ch.—**Critique** (A) of physical fitness tests. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 141.—**Haraldson, S.** Konditionsprövning av värnpliktiga. Tskr. mil. hälsov., 1949, **74**: 49–58.—**Köpplin, F.** Der Anstiegsversuch; eine Methode zur zahlenmässigen Erfassung der körperlichen Leistungsfähigkeit. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 108–15.—**Lovelock, J. E.** The problem of measuring physical fitness for hard work; a comparison of a fitness test with a mixed performance test. J. R. Army M. Corps, 1945, **84**: 255–62.—**Patt, H. M.** Evaluation of certain tests of physical fitness. J. Aviat. M., 1947, **18**: 169–75.—**Report** of findings on the G. B. Ray spectroscopic measurement of blood reduction time as an index to physical fitness. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 4.—**Toughening** the American soldier; medical tests of the United States Army. Nurs. Times, Lond., 1943, **39**: 171.

FLAK.

See also **Antiaircraft.**

Hickam, J. B. Protection afforded by the flak curtain against the German 20 mm HE projectile. 9 l. 28cm. Dayton, 1944.
Forms No. ENG–49–697–1M, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Palmer, A. The relationship between flak wounds and the fragments causing them in air crew personnel. 8p. 28cm. Wash., 1946.
Forms Missile Casualt. Rep. No. 16, Div. M. Sc. U. S. Nat. Res. Counc.

FLAME.

See also **Chemical agent.**

Ginzler, A. M. Pathologic findings in animals subjected to flame attack. 19p. 27cm. Edgewood Arsenal, 1945.
Forms No. 54, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Ham, G. C. Final report of duty in the SWPA and POA (30 July 1944 to 13 November 1944)

[Death from flame thrower] v. l. [32] l. 22cm. Edgewood Arsenal, 1944.
Forms No. 17, Rep. Med. Div. Chem. Warf. Serv. U. S. Army.

Hobson, L. B. Flame attack study; blood gases, hemoeoneentration, and reetal temperatures of goats killed by exposure to flame attaek in Japanese-type B bunker. 17 l. 27em. Edgewood Arsenal, 1947.
Forms No. 112, Rep. Med. Div. Chem. Corps U. S. Army.

—— & Harvey, T. S. Flame attaek study; studies on goats exposed directly to flame of petroleum fuels fired from flame throwers. 44 l. 27em. Edgewood Arsenal, 1947.
Forms No. 113, Rep. Med. Div. Chem. Corps U. S. Army.

Wexler, J., Walker, J., jr, & Ginzler, A. M. Evaluation of alkaline therapy in WP burns. 12p. 22em. Edgewood Arsenal, 1945.
Forms No. 25, Rep. Med. Div. Chem. Warf. Serv. U. S. Army.

FLAMEPROOFNESS.

See also **Clothing,** flameproof.

United States. Armored Medical Research Laboratory. Project No. T–5: First partial report on Projeet No. T–5, test of flameproofed elothing; physiologic effects of wearing flameproofed clothing in hot environments. v. p. 28cm. Fort Knox, 1945.

—— Projeet No. T–5: Seeond partial report on Projeet No. T–5, test of flameproofed clothing; effeets of wearing flameproofed clothing in hot environments. v. p. 28cm. Fort Knox, 1945.

—— Project No. T–5: Third partial report on Project No. T–5, test of flameproofed elothing; effects of wearing flameproofed elothing in hot environments. v. p. 28em. Fort Knox, 1945.

—— Projeet No. T–5: Fourth partial report on Projeet No. T–5, test of flameproofed elothing; test of physiologieal heat load of flameproofed elothing. v. p. 28em. Fort Knox, 1945.

FLANDERS.

See under **Wars and campaigns** (1742–1748) **World War II.**

FLASH burns.

See under **Burns** (Proteetion; Treatment: Methods)

FLATFOOT.

See under **Foot.**

FLATULENCE.

See also **Altitude,** Gastrointestinal tract.

Blair, H. A. Abdominal gas. 2p. 28em. Wash., 1944.
Forms No. 349, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— Dern, R. J., & Fenn, W. O. Abdominal gas. 11p. 28cm. Wash., 1943.
Forms No. 193, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

McDonough, F. E. Roentgenographie observations on the amount and distribution of intestinal gas at altitude in relation to abdominal symptoms. 9p. 28em. Wash., 1943.
Forms No. 216, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

McLester, J. S. Memorandum on intestinal gas. 3p. 28em. Wash., 1942.
Forms No. 59, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Rasberry, E. A., & Abbott, W. O. The effeet of sueeinylsulfathiazole on the volume of intestinal gas in normal young men. 4p. 28em. Wash., 1944.
Forms No. 257, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Castañedo, J. A. El agua oxigenada en el tratamiento de la indigestión gaseosa. Rev. san. mil., Habana, 1943, **7:** 108.

FLEET.

See also **Amphibious forces; Naval medicine,** fleet.

Komissarov, M. Flotilii voennye. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 772.—**Korak, N., Rozanov, P., & Ivanov, V.** Voenno-morskoj flot. Ibid., **1:** 914–22.—**Marinöverläkarens** rapport över besök vid vissa medicinska och andra institutioner m. m. i Förenta Staternas flotta februari-mars 1946. Tskr. mil. hälsov., 1946, **71:** 117–39.—**Medical** department facilities in operation in the United States Eighth Fleet as of 1 January 1945 [tab.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 15, 37.—**Organization** chart; Force Medical Office, Service Force, Pacific Fleet. Ibid., Chap. 13, App. C, 2.

FLICKER fusion apparatus.

See under **Anoxia,** Detection; **Vision.**

FLIGHT.

See also **Air travel;** also subsequent headings.

D'Angelo, S. A., Stacy, R. W., & Kosky, S. Metabolism on long range missions. 41p. 27em. Dayton, 1945.
Forms No. TSEAL 3–696–75C, Memo Rep. Aero M. Laborat. U. S. Air Force.

Apollonov, A. [Medical control in altitude flights] Voen. san. delo, 1936, 38–41.—**Electro** static hazards. Med. Bull. Continent. Air Command, 1949, **1:** No. 2, 39–42.—**Vokhmianin, P.** [Medical control in record flights] Voen. san. delo, 1936, 19–22.

—— Dive.

See **Acceleration,** Blackout; **Dive bombing.**

—— Formation flight.

Fowler, E. P., jr. Formation vertigo; oculo-vestibulo-disorientation in formation flying. Mil. Surgeon, 1947, **100:** 330–5.—**Oliveira Esteves, J. V. d'.** La ubicación del piloto durante los vuelos en formación. Rev. méd. lat. amer., B. Air., 1938–39, **24:** 1232–6. Also Rev. san. mil., B. Air., 1941, **40:** 453–5.

—— instrumental.

See **Blind flying.**

—— Polar flight.

See **Arctic service,** Physiology.

—— Pursuit flight.

See also **Fighter.**

Janas, T. [Results in attempts to regain equilibrium following pursuit flight] Polski przegl. med. lot., 1937, **6:** 173–6.—**Konieczny, A.** [Examination of the circulatory system before and after pursuit flights] Ibid., 24–30.—**Wisniewski, W.** [State of the circulatory system before and after pursuit flights] Ibid., 15–23.

FLIGHT nurse.

See also **Air evacuation.**

Thorp, F. P., & Stein, M. Development of a flight nurse's utility kit. 11p. 26em. Randolph Field, 1948.
Forms Rep. No. 1, Proj. No. 509, U. S. Air Force School Aviat. M.

Anderson, C. M. The winged nurse. In her Emot. Hyg., 3. ed., Phila., 1943, 227–30.—**Benson, C.** Britain's flying nurses. Am. J. Nurs., 1944, **44:** 101.—**Binder, E. M.** Training flyers for high altitudes; a new kind of industrial nursing. Ibid., 1942, **42:** 1370–2.—**DeWitt, J.** R. N. goes to MacDill Field. R. N., Rutherford, 1942–43, **6:** No. 2, 26–8. —— Flight nurses. Ibid., No. 6, 32; 72.—**Greenberg, M.** Training of flight nurses and air evacuation medical technicians. Air Surgeon Bull., 1945, **2:** 328–31.—**Ingells, D. J.** Fashions for flying nurses. Air Force, 1943, **26:** No. 10, 35.—**Mercy** takes wings; Britain's parachuting nurses. What's New, North Chic., 1943, No. 56, 10.—**Nurse** (The) has wings; training to be a para-nurse. Nurs. Times, Lond., 1942, **38:** 810.—**Rescue,** (To the) Ibid., 1937, **33:** 200.—**Stroup, L. B.** A new service in an old cause. Trained Nurse, 1940, **105:** 184–8. —— Aero-medical nursing and therapeutics. Am. J. Nurs., 1944, **44:** 575–7.—**White, R. Y.** Air evacuation nurses. Red Cross

Courier, 1942–43, **22:** No. 11, 7. ——— Army nurses in the air. Am. J. Nurs., 1943, **43:** 342–4.—**Zeller, V.** Educational program for flight nurses. Mil. Surgeon, 1950, **106:** 217.

FLIGHT personnel.

See also **Air crew; Air Force; Aviator,** Selection; **Bomber crew; Fighter; Flight instructor; Flight nurse; Flight surgeon,** etc.

GREAT BRITAIN. FLYING PERSONNEL RESEARCH COMMITTEE. Minutes of the meeting. Lond., 1., 1939–

Forms Nos. of its F. P. R. C. reports.

—— F. P. R. C. No. 144: Report to the Secretary of State for Air on the activities of the Flying Personnel Research Committee. 24 l. 25cm. Lond., 1940.

—— F. P. R. C. No. 651: Report to the Secretary of State for Air on the Committee's activities for the period June 1940 to December 1945. v. 1 [96] l. 32cm. Lond., 1946.

SYMONDS, C. P., & WILLIAMS, D. J. Investigation of psychological disorders in flying personnel by Unit Medical Officers. 18 l. 20½cm. Lond., 1945.

Forms F. P. R. C. No. 412k, Gr. Britain Flying Pers. Res. Com.

Carson, L. D. Problems of flight personnel selection and training. Mil. Surgeon, 1948, **103:** 32–6.—**Hurtado, A., Aste-Salazar, H.** [et al.] Physiological characteristics of flight personnel. J. Aviat. M., 1947, **18:** 406–16.—**Lovelace, W. R., II, & Gagge, A. P.** Indoctrination, equipment, nutrition and sanitation. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 102–4.—**Rogers, J. A.** Dental identification record for all flying personnel. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 7, 1.

—— Hygiene.

Dolbnin, T. V. [Organization of the rest periods of aviation personnel] Voen. san. delo, 1942, No. 6, 26–30.—**Hygiene** of the flying personnel. Flight Surgeon Topics, 1937, **1:** No. 3, 23–30.

FLIGHT surgeon.

See also **Aircraft carrier; Equipment,** aeromedical; **Parachute.**

COLLIAS, N. E., & BACHRACH, W. H. Comments by AAF returnees on the value of the flight surgeon. 17 l. 27cm. Dayton, 1945.

Forms No. TSEAL–3–697–16, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Army Air Force surgeons, Washington, Jan. 20–23. J. Am. M. Ass., 1944, **124:** 781.—**Aviation** medical examiners. Ibid., 1942, **120:** 211.—**Flight** surgeon; the story of aviation medicine. Interne, N. Y., 1943, **9:** 231–4.—**Flight** (The) surgeon and the hazard of flying. Flight Surgeon Topics, 1938, **2:** No. 1, 23–6.—**Flight** (The) surgeon's oath. Mil. Surgeon, 1943, **92:** 324; 570.—**Flying** doctors for the air force [Great Britain] J. Am. M. Ass., 1942, **119:** 1213.—**Future** of the Medical Officer in the AAF. Air Surgeon Bull., 1944, **1:** No. 7, 20.—**Giordan.** Stage d'application des médecins de l'air en 1948; le voyage en Afrique du Nord. Méd. aéronaut., 1948, **3:** 235–47.—**Hunter, R. J.** The first flight surgeon. Mil. Surgeon, 1942, **91:** 349–53.—**Jensen, W. S.** Why the flight surgeon? Ibid., 1936, **79:** 367–72.—**Kondratowicz.** Lekarz lotniczy. Lek. wojsk., 1927, **9:** 341–4.—**Kossman, C. E.** The flight surgeon. Med. Bull., N. Y., 1941–42, **7:** 67–70.—**McDonald, L. E.** Should doctors fly? Flight Surgeon Topics, 1939, **3:** 200–4.—**Marple, C. D.** The military flight surgeon. Centaur, Menasha, 1945–46, **51:** 34–9.—**Medical** pilots. J. Am. M. Ass., 1940, **115:** 940.—**Memory** (In) of flight surgeons. Ibid., 1943, **121:** 846.—**Olson, O. C.** The combat flight surgeon in England. J. Indiana M. Ass., 1944, **37:** 430–4.—**Pukhalsky, A. A.** O profile aviacionnogo vraća. Voen. san. delo, 1941, No. 1, 98.—**Surgeon** has wings. Bull. Army M. Dep., Lond., 1944, No. 40, 2.—**White, S.** A visual aid in Flight Surgeon's Office. Flight Surgeon Topics, 1938, **2:** 161–2.—**Why** should the flight surgeon fly? Ibid., 1937, **1:** No. 3, 20–3.

—— Duties.

Aviation medical examiners. J. Am. M. Ass., 1943, **122:** 314; 954.—**Conway, W. H.** A day in the life of a flight surgeon. Westchester M. Bull., 1945, **13:** 5.—**Cook, F., & Scott, J. C.** The effective flight surgeon. Contact, Pensacola, 1943, **3:** 185–90.—**Corless, J. F.** Statistical control officer and the tactical surgeon. Air Surgeon Bull., 1944, **1:** No. 12, 19.—**Engel & Schmittmann.** Der Arzt im Luftkrieg. Deut. Aerztebl., 1943, **73:** 218–21.—**Flickunger, D. D.** The flight surgeon as a doctor. Flight Surgeon Topics, 1938, **2:** 134–5.—**Fouquières.** Sur le rôle du médecin de groupe aérien. Méd. aéronaut., 1947, **2:** 185–7.—**Grant, D. N. W.** The flight surgeon in action. Army Navy J., 1943–44, **83:** 605. ——— Work of the flight surgeon. Mil. Surgeon, 1944, **94:** 131–5.—**Hall, G. E.** Special problems of the R. C. A. F. medical officer. Canad. M. Ass. J., 1941, **45:** 387–90.—**Hohn, A. C.** Duties of a flight surgeon on staff duty. Contact, Pensacola, 1942, **1:** No. 3, 14–6.—**Leedham, C. L.** A suggested plan for a flight surgeon's office. Flight Surgeon Topics, 1938, **2:** 152–5, plan.—**Medical** officer and airline travel. Med. Bull. U. S. Chief Surg., Europ. Theatre, 1944, No. 20, 26–8.—**Meier-Müller, H.** Der Fliegerarzt; die Verantwortung bei der Flugwaffe mit besonderer Berücksichtigung des fliegerärztlichen Dienstes in der schweizerischen Armee. Deut. Aerzte Ztg, 1936, **11:** No. 430.—**Naylor, G.** Service as a medical officer in the U. S. Army Air Forces; training, duties, assignment abroad, pay, and rank of M. D.'s who join. Med. Econom., 1942–43, **20:** No. 4, 55–60.—**Novikov, S.** [Rôle of the physician in the aviation division] Voen. san. delo, 1936, 31–4.—**Stovall, W. R.** Study of flight surgeon population in relation to national and international obligations. J. Aviat. M., 1948, **19:** 456–60.—**Wurdemann, H. V.** Flight (The) surgeon in civilian practice. Flight Surgeon Topics, 1938, **2:** No. 1, 38–9.

—— Education.

Krotkov, F. G. [Training of aviation physicians] Voen. san. delo, 1936, 15–18.—**Policy** to be followed in placing present interns and residents who will be assigned to the Army Air Forces. J. M. Soc. N. Jersey, 1943, **40:** 209.—**Reinartz, E. G.** How the flying fighters' doctor is made. Connecticut M. J., 1943, **7:** 820–7.—**White, M. S.** Tactical training of the flight surgeon. Air Surgeon Bull., 1944, **1:** No. 12, 8.

—— Experiences.

FURMAN, A. L. Air force surgeon. 252p. 21cm. N. Y., 1943.

ROGERS, C., & HALLAND, H. E. Flight surgeon. 295p. 21cm. N. Y., 1940.

SLAUGHTER, F. G. Air surgeon. 306p. 20½cm. Garden City, 1943.

Blanco Cancino, R. Mis impresiones como médico del Escuadrón 201. Rev. cirug. Hosp. Juárez, Méx., 1945, **17:** 375–88.—**Cook, C. K.** I'm in the Air Corps now. Minnesota M., 1942, **25:** 902.—**Dobos, N. E.** Observations of flight surgeon on a carrier in combat. Contact, Pensacola, 1942, **2:** 68–71.—**Gentry, T. C.** Aero medical experiences in China. J. Aviat. M., 1947, **18:** 69–72.—**Leenson & Golikov.** [The work of the flight surgeon under battle conditions] Voen. san. delo, 1942, No. 8, 27.—**McDaniel, R.** Flight surgeons, unsung heroes of America's fighting forces. Army Doctor, 1942–43, **1:** No. 7, 8.—**Memos** of an aero-medico. Ibid., 1942, **1:** No. 2, 5–8.—**Wright, H. B.** Reminiscences of an air-line flight surgeon. Flight Surgeon Topics, 1938, **2:** No. 1, 27–33.

—— naval.

A., J. C. Functional relationship of medical officers and flight surgeons assigned to staffs and commands. Bumed News Lett., Wash., 1944, **4:** No. 8, 16.—**Adams, J. C.** The new policy of training naval flight surgeons. J. Aviat. M., 1939, **10:** 99–102.—**Bassett, C. G., & Dean, G. O.** A survey of possible assignments and duties for naval flight surgeons. Contact, Pensacola, 1944–45, **4:** 286–94.—**Gemmill, C. L.** The development of training of naval flight surgeons. Ibid., 277–80.

—— Standards.

ARMSTRONG, H. G. Selection, training, and rating of medical examiners and flight surgeons. 10p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 13, U. S. Air Force School Aviat. M.

CAMPBELL, P. A. A method of selection of aviation medical examiners for special assignment. v. p. [27] l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 200, U. S. Air Force School Aviat. M.

Campbell, P. A. Hava hekimliği; kulak ve yukarı solunum organlarile ilgisi (transl.) [Air physicians; ear and respiratory system] Askerî sıhhiye mecuası, 1947, **76:** No. 48, 53–9.—**Glasier, W. A.** Classification for Medical Corps officers of the Army Air Forces. War Med., Chic., 1945, **7:** 313.—**Grow, M. C.** Flying status of flight surgeons. Flight Surgeon Topics, 1937, **1:** No. 4, 17–22.—**Rafferty, J. A., & Hager, R. P.** Construction of a battery of tests for the selection of students for the aviation medical examiner's course. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 31.

FLOATING posture.

See with **Acceleration,** Tolerance.

FLOW meter.

Hull, W. E. Optical flow meter. 11p. 28cm. Wash., 1944.
Forms Rep. No. 275, Com. Aviat. M. U. S. Nat. Res. Counc.

—— [The same] 13 l. 27cm. Dayton, 1944.
Forms No. ENG-49-696-42C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Stadd, M. A portable gas flow meter. 14 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-696-78C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Blair, E. A. Development of a polarographic flow meter. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 1, No. 5, 1, ch.; Proj. 2, No. 2, 1; Proj. 3, No. 4, 1.

FLUORESCENT fabric.

See also **Fabric.**

Trumper, M. Tests on conti-glo fluorescent fabric [1] l. 26½cm. Bethesda, 1944.
Forms Rep. No. 13, Res. Proj. X-180, U. S. Nav. M. Res. Inst. Also Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 10.

FLUORESCENT lighting.

See under **Aircraft,** Illumination.

FLUORIDE.

See under **Poisoning.**

FLUOROACETATE.

Chenoweth, M. B., & Gilman, A. Z. Response of various species to methyl fluoroacetate. 19p. 27cm. Edgewood Arsenal, 1946.
Forms Rep. No. 63, Med. Div. Chem. Warfare Serv. U. S. Army.

Chenoweth, M. B., & Gilman, A. Studies on the pharmacology of fluoroacetate; action on the heart. Bull. U. S. Army M. Dep., 1947, 7: 687–706.—**Possible** treatment of sodium monofluoracetate (1080) poisoning. Surgeon Circ. M. Sect. Far East Command, 1949, 4: No. 5, 9.

FLUOROPHOSPHATE.

Koelle, G. B., Binzer, B. B., & Gilman, A. Z. The relationship between cholinesterase inhibition and the pharmacological action of PF3. 34p. 27cm. Edgewood Arsenal, 1946.
Forms No. 69, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

—— The chronic toxicity of PF3 in dogs, monkeys and rats. 22p. 27cm. Edgewood Arsenal, 1946.
Forms No. 71, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Laughlin, R. C. Miosis of the pupil as a test for water contamination by PF3. 11p. 27cm. Edgewood Arsenal, 1944.
Forms No. 1, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

McNamara, B. P., Stabile, D. E. [et al.] Myanesin in the treatment of poisoning produced by DFP. 5p. 26½cm. Army Chem. Cent., 1949.
Forms No. 222, Rep. Med. Div. Chem. Corps U. S. Army.

Mazur, A., & Bodansky, O. The mechanism of the detoxification of PF3 and related fluorophosphates in the animal organism. 25p. 27cm. Edgewood Arsenal, 1945.
Forms No. 29, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

—— The regeneration of cholinesterase activity in PF3 poisoning and the effect of injected cholinesterase preparations in normal and PF3 poisoned animals. 31p. 27cm. Edgewood Arsenal, 1945.
Forms No. 35, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Wescoe, W. C., Green, R. E. [et al.] The influence of atropine and scopolamine on the central effects of DFP. 22p. 27cm. Edgewood Arsenal, 1947.
Forms No. 125, Rep. Med. Div. Chem. Corps U. S. Army.

FLUOROSCOPY.

See under **Radiodiagnostics.**

FLY.

See also **Insect; Insecticide;** see also **Entomology.**

Dethier, V. G., & Chadwick, L. E. An analysis of the relationship between solubility and stimulating effect in tarsal chemoreception. 25p. 26½cm. Army Chem. Cent., 1949.
Forms No. 221, Rep. Med. Div. Chem. Corps U. S. Army.

Rees, B. E. The water and fat content of the larva of Drosophila. 6p. 27cm. Edgewood Arsenal, 1946.
Forms No. 81, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Snodgrass, R. E. The feeding apparatus of biting and disease-carrying flies: a wartime contribution to medical entomology. 51p. 24½cm. Wash., 1943.

Boyd, J. E. M. Entomological notes; on a muscid fly breeding on a ship at sea. J. R. Army M. Corps, 1922, 38: 378.—**Cooper, G. W.** Myiasis; case report. U. S. Nav. M. Bull., 1930, 28: 112–4.—**Gahan, J. B., Masters, N. E., & Pearsall, R. D.** House fly studies in Egypt. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 62.—**Goulding, R. L.,** jr. Cooperative salt-marsh sand fly investigations. Ibid., 20–2.—**Harris, S. T.** Human myiasis, externa. U. S. Veterans Bur. M. Bull., 1929, 5: 412–6.—**Loughnan, W. F. M.** Notes on a case of myiasis. J. R. Army M. Corps, 1922, 38: 458.—**Special** fly investigations at Pharr, Texas, Laboratory. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 66.

FLY control.

See also **DDT; Fly trap; Insecticide.**

Dethier, V. G., & Chadwick, L. E. An analysis of the relationship between solubility and stimulating effect in tarsal chemoreception. 25p. 26½cm. Army Chem. Cent., 1949.
Forms No. 221, Rep. Med. Div. Chem. Corps U. S. Army.

Abrahams, S., & Ferencuha, J. Effectiveness of various fly larvicides. Field M. Bull. (Burma) 1945, 4: 257–9.—**Baer, L. S., & Allen, R. F.** Prevention of fly borne diseases in islet and atoll warfare. Mil. Surgeon, 1944, 94: 296–301.—**Blaszyk, P.** Richtlinien für die Herstellung von Fliegenmasken für Verwundete und Kranke. Deut. Militärarzt, 1944, 9: 149.—**Brasil, V.** A defesa contra a mosca. Rev. med. hyg. mil., Rio, 1927, 16: 29–41.—**Brooks, J. E.** Bermuda Volunteer Rifle Corps fly trap. J. R. Army M. Corps, 1941, 76: 49.—**Brother, G. M.** DDT in fly control. Med. Bull. Medit. Theater of Oper. U. S., 1945, 3: 141–6.—**Browne, R. W.** Fly control. Mil. Surgeon, 1941, 88: 546–8.—**Chamberlain, W. P.** Fly control. In: Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 293–304.—**Fly** control. Med. Bull. U. S. First Army, 1947, 2: No. 4, 7.—**Fly** control with DDT. Bull. U. S. Army M. Dep., 1946, 5: 22.—**Fotheringham, J. B.** Fly prevention; some suggestions and observations from a general hospital in Normandy, 1944.—J. R. Army M. Corps, 1945, 85: 151–60.—**Gahan, J. B.** Toxicity of 11 Navy DDT emulsion concentrates to adult house flies. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 61. —— Investigations of the control and biology of the house fly and other insects of medical importance in the Middle East. Ibid., 61–4.—**Gilbert, I. H., Wilson, H. G.** [et al.] Resistant house flies. Ibid., 27.—**Hering, E. R.** Use of sodium arsenite in fly control. U. S. Nav. M. Bull., 1945, 44: 432–4.—**Investigational** work on house fly larvicides. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 72.—**Krotkov, F.** Borba s mukhami v lagernyj period. Voen. sanitar. delo, 1940, No. 4, 17–22.—**Randin, J., & Muñiz Angulo, L.** Campaña contra la mosca en el ejército. Rev. san. mil., Habana, 1940, 4: 195–9.—**Record** of fly control program. Med. Bull. U. S. First Army, 1946, No. 2, 8.—**Snyder, F. M.** Development of insecticide resistant houseflies. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 55–7.—**Spencer, H., Hedden, J. C., & Dworsky, L. B.** Destruction of housefly larvae and pupae in sewage sludge beds. Mil. Surgeon, 1942, 91: 306–8.—**Study** of paradichlorobenzene in fly control. Bull. U. S. Army M. Dep., 1945, No. 84, 12.

FLYER.

See **Aviator.**

FLYING.

See also **Acceleration; Air travel; Altitude; Flight.**

Wojtyga, A. Zwycięstwo polskich skrzydeł. 3. ed. 64p. 8° Warzawa, 1934.

Ahlm, C. E. Night flying. Mil. Surgeon, 1943, **93:** 192–4.—**Clark, B., & Graybiel, A.** Linear acceleration and deceleration as factors influencing nonvisual orientation during flight. J. Aviat. M., 1949, **20:** 92–101.—**Dale, H.** Adrenal cortical substance. Gr. Britain Flying Pers. Res. Com., 1941, No. 366, 6.

—— Accident.

See also **Fighter aviation**; also **Aircraft crashing.**

Davis, D. R. A note on the causation of accidents. 14 l. 29cm. Lond., 1946.

Forms F. P. R. C. No. 652, Gr. Britain Flying Pers. Res. Com.

Hass, G. The relations between pilot error and multiple aircraft accidents. 12p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 153, U. S. Air Force School Aviat. M.

—— An inquiry into circumstances favoring the occurrence of a series of fatal aircraft accidents attributed to an acute loss of orientation during night training missions. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 154, U. S. Air Force School Aviat. M.

Pfaffman, C., Fosberg, I. A., & Bugelski, B. R. An analysis of night accidents in relation to changes in illumination resulting from the lunar cycle. 13 l. 27cm. Pensacola, 1945.

Forms Rep. No. 1, Proj. No. X-562, Res. Rep. U. S. Nav. School Aviat. M.

Bugelski, B. R. The analysis of aviation accidents. J. Aviat. M., 1944, **15:** 172–81.—**Control** tower personnel errors. Accid. Bull. (U. S. A. Air Forces) 1946, Jan., 3–6.—**Current** continental USAAF accident situation. Med. Invest. Accid. Bull., 1947, **3:** No. 5, 1–7.—**Effects** of wind blasts. Bumed News Lett. Aviat. Suppl., Wash., 1947, **8:** No. 8, 4–8.—**Fechet, J. E.** Those airplane crashes; how they can be prevented. Flight Surgeon Topics, 1937, **1:** No. 2, 44–8.—**Isreali, R. J.** Aviation and hospital corpsmen. Hosp. Corps Q., 1943, **16:** No. 2, 23–8.—**Macewicz, P.** [Aviation accidents in the light of numbers] Lek. wojsk., 1936, **27:** 343–52.—**Medical** aspects of aircraft accidents. Air M. News Lett., Lond., 1945, 10–3.—**Medical** investigation of aircraft accidents. Air Surgeon Bull., 1944, **1:** No. 3, 14–8.—**Moore, J. L.** Jungle and desert emergencies. Mil. Surgeon, 1944, **95:** 183–91.—**Pilot** aptitude scores and aircraft accidents. Accid. Bull. (U. S. A. Air Forces) 1945, June, 2–4.—**Pilot-error** and non-pilot-error accidents. Med. Invest. Accid. Bull., 1947, **3:** No. 4, 15–21.—**Ratgauz, L.** Avarijnost aviacionnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 5–9.—**Seat** failure. Med. Invest. Accid. Bull., 1947, **3:** No. 5, 8.—**Severity** of repeater-pilot accidents. Ibid., No. 4, 22–5.—**Sillevaerts, C.** Les essences antidisonnantes à l'aviation militaire belge. Bruxelles méd., 1936–37, **17:** 1241–51.

—— Altitude.

See **Altitude; Atmospheric chamber; Aviator,** Altitude tolerance.

—— Anoxia and hypoxia.

See **Anoxia**; also **Flying,** Gas metabolism.

—— Blind flight.

See **Blind flying.**

—— Cardiovascular effect.

Mahady, S. C. F. The use of cardiovascular changes in the prediction of untoward reactions following a chamber flight. 14p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 225, U. S. Air Force School Aviat. M.

Ruff, S. Ueber das Verhalten von Blutdruck und Pulsfrequenz unter dem Einfluss von Fliehkräften und über Versuche zur Steigerung der Beschleunigungserträglichkeit. p.259–80. 23½cm. Berl., 1938.

Also in Luftfahrtmedizin, 1938, **2:**

Opitz, E., & Tilmann, O. Experimentelle Untersuchungen über das Verhalten des Blutkreislaufes und der Atmung im Unterdruck. II. Das Verhalten des arteriellen und venösen Blutdruckes im Unterdruck. Luftfahrtmedizin, 1936–37, **1:** 101–15.—**Reid, C.** The circulatory system in high-speed flight. London Hosp. Gaz., 1945, **48:** 129–31.—**Tavel, F. v.** Neuere Ergebnisse über die Beanspruchung der Zirkulationsorgane im militärischen Hochleistungsflug. Praxis, Bern, 1941, **30:** 841.

—— Gas metabolism.

See also **Aircrew,** Oxygen supply; **Anoxia.**

Eckman, M., Barach, B. [et al.] Oxygen consumption under basal conditions at sea level and at altitude. 8p. 28cm. Wash., 1945.

Forms No. 445, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Gagge, A. P. Experiments on oxygen utilization in flight [6] l. 28cm. Wash., 1941.

Forms No. 18, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Hall, F. G., Wilson, J. W. [et al.] Oxygen requirements as affected by physical activity and by simulated altitudes. 11 l. 27cm. Dayton, 1943. Also 10p. 28cm. Wash., 1943.

Forms No. ENG-49-696-7C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Forms No. 239, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Humm, F. D., Liberman, A. M., & Nims, L. F. Performance comparison of oxygen and oxygen-CO_2 mixtures at 43,300 feet. 5p. 28cm. Wash., 1944.

Forms No. 335, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Nims, L. F., & Olmsted, F. Oxygen consumption under basal conditions at sea level and at 30,000 feet. 3p. 28cm. Wash., 1945.

Forms No. 471, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. Aero-Medical Laboratory. Oxygen requirements in flight. 11p. 28cm. Wash., 1941.

Forms No. 26, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. School of Aviation Medicine. Research report, project No. 74, report No. 1: The amount of oxygen required by men of various physiques performing work analogous to that done in the operation of an airplane. 12p. 27cm. Randolph Field, 1943.

Carlson, L. D., Lovelace, W. R., II, & Burns, H. L. Requirements for oxygen in commercial aviation; some aspects of its use. J. Aviat. M., 1948, **19:** 399–413.—**Davis, R. A., & Fraenkel, G.** The oxygen consumption of fliers during flight. J. Exp. Biol., Lond., 1940, **17:** 402–7.—**Forrer, A., & Goldberger, S.** Sulla massima quantità di O_2 assorbibile in alta montagna e in pianura. Acta aerophysiol., Hamb., 1933–34, **1:** fasc. 3, 3–8.—**Giordan, P. F. J.** L'inhalation d'oxygène au cours du vol en grande altitude. Rev. Serv. san. mil., Par., 1937, **107:** 355–70.—**Johnson, A. E., Eckman, M.** [et al.] Studies on the effects of adding carbon dioxide to oxygen-enriched atmospheres in low pressure chambers; the oxygen and carbon dioxide tensions of arterial and mixed venous blood in dogs and the effect of blood loss on the oxygen saturation of mixed venous blood and on cardiac output. J. Aviat. M., 1942, **13:** 130–42.—**Karpovich, P. V., & Ronkin, R. R.** Oxygen consumption for men of various sizes in the simulated piloting of a plane. Am. J. Physiol., 1946, **146:** 394–8.—**Measurements** of gaseous exchange in connection with aviation and deep sea diving by techniques employing radioactive substances; circulation and inert gas exchanges at the lung. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 1.—**Reichert, P.** Oxygen utilization as an index of respiratory efficiency. J. Aviat. M., 1936, **7:** 63–9.—**Werz, R. von, & Reiter, R.** Die Reduktionszeit als Indikator für die Sauerstoffversorgung des Gewebes. Luftfahrtmedizin, 1942–43, **7:** 47–67.—**White, M. S.** Prolonged hypoxia in aircraft passengers; the effects of a flight around the world in six and one-quarter days. J. Aviat. M., 1947, **18:** 244–51.—**Ziegler, E. E.** A new measurement of oxygen absorbing power. Ibid., 1933, **4:** 119–29.

—— Hazards.

See also various subdivisions of **Acceleration; Altitude; Aviator;** also such terms as **Nasal sinus,** etc.

Klein, W. H. Calculation of solar radiation intensity and the solar heat load on man at the earth's surface and aloft. 77p. 27cm. Dayton, 1946.

Forms No. TSEAA-695-64, U. S. Air Force Aero M. Laborat.

—— [Additional] Calculation of solar radiation intensity and the solar heat on man at the earth's surface and aloft. 5 l. 27cm. Dayton, 1946.

Forms Add. No. 1, No. TSEAA-695-64, U. S. Air Force Aero M. Laborat.

Dill, D. B. Physiology of flying; hazards and remedies. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 642-7.—**Gray, J. S., Mahady, S. C. F., & Masland, R. L.** Studies on altitude decompression sickness; the effects of denitrogenation. J. Aviat. M., 1946, **17**: 606-10.—**Hester, W. R.** Minimizing thermal trauma to dental nerve tissue. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 16; 1949, July, 3.

—— instrumental.

See **Aircraft,** Automatic recorder.

—— Mental and neural effect.

See also **Aviator,** Neuropsychiatry.

Carnes, E. H. Kinesthesia in flying. Contact, Pensacola, 1946-47, **6**: 201-7.—**Foley, J. P., jr.** An objective measure of bodily steadiness in relation to flight performance. Rep. Div. Res. U. S. Civil Aeronaut. Admin., 1944, No. 27, 1-24.—**Scala, E., & Mangiacapra, A.** L'influenza del volo sulla personalità. Riv. med. aeronaut., 1948, **11**: 239-45.—**Terasi, Y.** Kōkūkan hannō-zi no henka narabi-ni hikōsya to hannō-zi ni tuite [Changes in reaction-time during flight, and the reaction-time of aviators] Gun idan zassi, 1924, No. 131, 246-71, 2 pl.

—— Metabolic effect.

See also subheading (Gas metabolism)

Keyes, G. H., & Kelley, V. C. A study of effects of altitude anoxia on glucose metabolism; the glucose tolerance of dogs as altered by atmospheric decompression. 8p. 26cm. Randolph Field, 1949.

Forms Rep. No. 2, Proj. No. 21-02-030, U. S. Air Force School Aviat. M.

McDonald, R. K., & Kelley, V. C. Study of acclimatization during a two-week exposure to moderate altitude; some observations on the effects of altitude on metabolism; hemoglobin metabolism and erythropoiesis. 10p. 26½cm. Randolph Field, 1949.

Forms Rep. No. 3, Proj. No. 21-02-029, U. S. Air Force School Aviat. M.

Kelley, V. Effects of altitude anoxia on glucose metabolism. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 24; 1948, Jan., 1.—**Keys, G. H.** Effects of altitude anoxia on glucose metabolism. Ibid., 1948, Apr., 1.—**Porter, H. B.** Report of effects of flight on body temperature. Flight Surgeon Topics, 1938, **2**: 86-7.

—— operational.

See with **Aviator,** Neuropsychiatry.

—— Physiology.

See also **Aviation physiology.**

Clark, W. G., Henry, J. P. [et al.] Studies on flying in the prone position. 23p. 28cm. Wash., 1945.

Forms No. 466, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Henry, J. P., Clark, W. G. [et al.] Notes on obtaining comfort in the prone position when forward vision is maintained for prolonged periods. 3p. 28cm. Wash., 1946.

Forms No. 498, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. AAF Manual No. 25-2: Physiology of flight; human factors in the operation of military aircraft [revised] 94p. 27cm. Wash., 1945.

United States. War Department. Technical manual TM 1-705: Physiological aspects of flying and maintenance of physical fitness. 127p. 23cm. Wash., 1941. Also Rev. ed. 79p. 21½cm. Wash., 1943.

Findlay, G. M., Boulter, E. A., & MacGibbon, C. B. A note on sickling and flying. J. R. Army M. Corps, 1947, **89**: 138-41.

—— Problems.

See also **Aircraft,** Design: Medical aspect; **Human engineering.**

Dill, D. B. Evaluation of physiological and psychological stresses. 43p. 27cm. Dayton, 1948.

Forms No. MCREXD-696-104E, U. S. Air Force Aero M. Laborat.

Adams, J. C. Physiological problems incident to military and commercial flying. Proc. Postgrad. Course Aviat. Ophth. George Washington Univ., 1940, **1**: 260; 1941, **2**: 1-12.—**Bronk, D. W.** Human problems in military aviation. Proc. Am. Philos. Soc., 1944-45, **88**: 189-95. Also Annual Rep. Smithson. Inst. (1945) 1946, 401-11.—**Lovelace, W. R.,** II, & **Gagge, A. P.** Physiological problems relating to flight in modern and ultramodern aircraft. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 5-23, illust.—**Nielsen, M., & Smith, H.** Fysiologiske og medicinske problemer vedrørende militaerflyvning. Militaerlaegen, 1948, **54**: 1-28.

FLYING adaptability.

See under **Aviator**; also **Electroencephalography.**

FLYING ambulance.

See **Air ambulance.**

FLYING cadet.

See **Aviator,** Selection.

FLYING Cadet Board.

Copenhaver, J. R. Flying Cadet Board, Third and Fourth Corps Areas. Flight Surgeon Topics, 1938, **2**: 222-5.—**Firestone, C.** A plan for replacement of flying boards. Ibid., 130-1.—**Healy, M. G.** The Traveling Flying Cadet Board. Ibid., 214-21.—**Heine, W. F.** Impressions formed while serving with traveling Cadet Board. Ibid., 129-30.—**Wilson, B. L.** Medical aspects of a special traveling Flying Cadet Board. Ibid., 207-13.

FLYING goggles.

See under **Eyeglass.**

FLYING suit.

See **Clothing** subheadings (Air Force; heated) also **Exposure suit.**

FLY trap.

See also **Fly control.**

Blair, B. M., Eves, A. T. [et al.] Observations on baited fly traps in Palestine, 1943-1944. J. R. Army M. Corps, 1945, **85**: 51-7.—**Cartridge** box fly trap. Air Surgeon Bull., 1945, **2**: 85.—**Flytraps** made from empty cartridge boxes. Bull. U. S. Army M. Dep., 1944, No. 81, 29.—**Gurland, I.** New type of sodium arsenite fly trap. J. R. Army M. Corps, 1943, **81**: 148.—**Handley, L. M.** Wire screen fly traps. Hosp. Corps Q., 1945, **18**: No. 12, 45-7.—**Marks, S. M.** Fly trap made of salvaged materials. Bull. U. S. Army M. Dep., 1944, No. 72, 88.

FOG.

See also **Chemical agent; Chemical warfare; Defense.**

Hanslian, R. Entstehung und Entwicklung der Rauch- und Nebelerzeugung. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1**: 617-25.—**Lutteral, E. C.** Cálculo para la emisión de nubes tóxicas. Rev. mil., B. Air., 1941, **77**: pt 2, 629-48.—**Mielenz, W.** Rauch und Nebel erzeugende Stoffe. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 626-33.—**Petterssen, S.** Recent fog investigations. J. Aeronaut. Sc., 1940-41, **8**: 91-103.—**Templehoff, F. v.** Geräte und Munition zur Erzeugung von Rauch oder Nebel. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 633-54. ——— Verwendung des künstlichen Nebels. Ibid., 655-714. ——— Die Rauch- und Nebelerzeugung; Rückblick und Ausblick. Ibid., 714.—**Volta, H.** Les nuages et fumées dans la guerre moderne. Nature, Par., 1939-40, **67**: pt 2, 240-4.

FOGGING (of glass)

See under **Eyeglass.**

FONTENOY battle (1745)

See under **Wars and campaigns.**

FOOD.

See also subsequent headings; also **Bread; Chemical warfare,** Defense: Food; **Dairy product; Decontamination**—of food and water; **Diet; Egg; Gas warfare,** Defense: Food; **Nutrition; Prisoner of war,** Food; **Ration; Ration supply; Water supply.**

Bicknell, F. Food before the war and today. Med. Press, Lond., 1948, **219**: 207–12.—**Food.** Vet. Pract., Evanston, 1943, **24**: No. 2, 2–6.—**Harding, T. S.** Fats and oils in wartime. Sc. Month., 1942, **55**: 273–5.—**Herre, W. C. T.** Fish facts every medical officer should know. Burned News Lett., Wash., 1943, **1**: No. 6, 12.—**Increased** (The) use of canned foods. J. Am. M. Ass., 1942, **118**: 1383.—**Lobanov, D.** Konditerskie izdelija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1404–7. ——— Makaronnye izdelija. Ibid., **3**: 621. ——— Ryba, rybnye produkty. Ibid., **4**: 1296–300.—**Neuwirth, A. A.** Liquefaction of solid foodstuffs for diets. Mil. Surgeon, 1941, **89**: 898–902.—**Orlov, A.** Muka. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1185–90.—**Petrovsky, K.** Zelen piśćhevaja. Ibid., **2**: 794–7.—**Saim Pekmen.** [Foul-smelling fresh eggs] Askerî tibbi baytarî mecmuasi, 1937, **15**: 104–6.—**Senderei, L. S.** [Modifications of the properties of flour during baking from the effect of chlorpicrin] Tr. Voen. morsk. med. akad., 1941, **1**: 180–90.—**Souza Lopes, R.** Importancia dos alimentos conservados na alimentação de emergência. Impr. méd., Rio, 1942, **18**: No. 346, 33–7.—**Vladimirov, G., & Pekovsky, K.** Zhiry (gliceridy) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 704–9.

FOOD analysis.

Haugen, G. E., Sullivan, J. H., & Duggan, T. L. Nutritional and bacteriological evaluation of the Maxson Sky Plate. 11p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–169, U. S. Nav. M. Res. Inst.

Weaver, R. H., & Fish, G. A colorimetric method for the determination of iodine numbers. [8]p. 27cm. Bethesda, 1947.

Forms Rep. No. 2, Proj. NM 007 030, U. S. Nav. M. Res. Inst.

Gemeinhardt, K. Anhaltspunkte zur einheitlichen Durchführung der Bestimmungen des Gesamtnährwertes der Lebensmittel. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 241–55.—**Kiermeier, F.** Abteilung Chemie. Ibid., 325–33.—**Knoll, W.** Chemische Untersuchung der Lebensmittel. In: Wehrhygiene ((Handloser, S., et al.) Berl., 1944, 275–8.—**Mayer, K.** Richtlinien über die chemische Untersuchung und Beurteilung von Lebensmitteln tierischer Herkunft. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 256–64.—**Ott, M.** Zur Bestimmung der qualitätsgebenden Faktoren in unseren Lebensmitteln. Ibid., 264–71.

FOOD consumption.

See also **Ration supply,** Food consumption.

Boalt, C., & Zotterman, Y. Rations and food consumption in Sweden during 1942–43. Nature, Lond., 1943, **152**: 635.—**Feferholtz, J.** El aporte de grasas y los deficits de la alimentación en Chile. Rev. chilena hig., 1942–43, **5**: 303–18.—**Merlo González, J. A.** Requisitos de las grasas para el consumo humano. Rev. san. mil., Habana, 1940, **4**: 262–6.—**Sweden:** Royal decree of the 26th January, 1940, on the statistics regarding the consumption of food. Bull. Hyg., Lond., 1941, **16**: 359.

FOOD contamination.

See **Chemical warfare,** Defense: Food; **Decontamination**—of food and water; **Gas warfare,** Defense: Food.

FOOD economy.

See also **Nutrition service.**

Germain, R. *Etude sur la protection et la récupération des denrées alimentaires en temps de guerre. 39p. 23½cm. Par., 1939.

Stewart, L. Protection and salvage of foods in wartime (including decontamination of gassed foods) 63p. 18½cm. Lond., 1942.

United States. Veterans Administration. Technical bulletin TB 10–4: Food conservation. 2p. 27cm. Wash., 1946.

——— Technical bulletin TB 10A–179: Utilization of left-over foods. 1p. 27cm. Wash., 1949.

Barber, M. I. War on waste in the Army. J. Am. Diet. Ass., 1944, **20**: 357–60.—**Brown, M. C.** Butter or guns? Hygeia, Chic., 1942, **20**: 762–8.—**Bürger, M., & Heinrich, A.** Nahrungsausnutzungsversuche bei Gesunden und Kranken; die Ausnutzung der Kriegskost. Deut. Zschr. Verdauungskr., 1940–41, **4**: 234–9.—**Economy** in certain articles. Australas. J. Pharm., 1940, n. ser., **21**: 321.—**Gordon, J. E.** Leftover foods. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 2, No. 2, 30.—**Harris, J. W.** Use and conservation of our home food supplies. J. Am. Diet. Ass., 1944, **20**: 9–11.—**Kendrick, J. F.** Food conservation, its added importance in wartime. Health Bull., Raleigh, 1943, 58: No. 8, 11–4.—**Lethem, W. A.** Food salvage in war-time. J. R. San. Inst., 1940–41, **61**: 194–6.—**Proctor, B. E., Cameron, E. J.** [et al.] Food conservation. Am. J. Pub. Health, 1944, **34**: 780–2.—**Shuman, J. W.** Mess-economy. Mil. Surgeon, 1936, **79**: 362–7.—**Walworth, G.** Food economics in wartime. In his Feeding the Nation, Lond., 1940, 38–42.

FOOD handler.

Examination of food handlers. Med. Bull. U. S. First Army, 1948, **3**: No. 11, 7.—**Garrett, E.** War-time catering in an industrial canteen. Nurs. Times, Lond., 1940, **36**: 1009.—**Gordon, J. E.** Food handlers. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 2, No. 2, 32–4.—**Military** and civilian food handlers. Month. Health Rep. Mil. Distr. Washington, 1948, **1**: No. 3, 8.—**Stock, A. H., & Karlson, A. G.** Examination of food handlers for enteric pathogens. Med. Bull. Medit. Theater of Oper. U. S., 1945, **3**: 135–8.—**Stone, W. S.** Food handlers in the Army and their relationship to Salmonella food poisoning. Am. J. Pub. Health, 1943, **33**: 706–8.—**Van Auken, H. A.** Food and food-handlers. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 101. ——— Calcutta's markets. Ibid., Suppl., 6.—**West, G. A.** The food handler in wartime. Health Bur., Rochester, 1943, Oct., 3.

FOOD infection.

See also under specific names of infection as **Typhoid;** also **Food poisoning.**

Bauer, F. K., & Watkins, J. H. The bombing experience and case incidence of bacterial food poisoning in nine German cities [ch.] In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 80.—**Bingel, K. F., Hennemann, H. H., & Knüpfer, O.** Die Verunreinigung von Speisen mit Darmbakterien und ihre Ursachen. Deut. Militärarzt, 1944, **9**: 380–6.—**Food** infection, U. S. S. Memphis [December 15, 1939] U. S. Nav. M. Bull., 1940, **38**: 434.—**Gabreski, T. S., & Solomon, M. N.** Food poisoning or food infection? Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 35–7.—**Gordon, J. E.** The control of epidemics of food poisoning. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 2, No. 2, 36–9.—**Mikulaszek, E.** O roli paleczek paratyfusowych (Salmonella) w powstawaniu zatruć pokarmowych. Lek. wojsk., 1946, 45–57.—**Outbreak** (An) of food infection. U. S. Nav. M. Bull., 1943, **41**: 1183.—**Popovskaia, V.** Piśćevye toksikoinfekcii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 562–9.—**Possibility** of food poisoning by Clostridium perfringens (Cl. welchii) Bull. U. S. Army M. Dep., 1945, No. 89, 51.—**Savvaitov, S. A.** Piśćevaja toksikoinfekcia, vyzvannaja Bac. enteritidis dublin. Voen. med. J., Moskva, 1947, 41–3.—**Schulze, H. A.** Epidemiology of bacterial food poisoning. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1**: No. 5, 12–5.—**Three** hundred twenty-six non-effectives and 1 rice pudding. Ibid., 1944, No. 21, 16.—**Werch, S. C.** The treatment of bacterial food poisoning. Bull. U. S. Army M. Dep., 1948, **8**: 199–210.

FOOD inspection.

For food plant inspection see also **Bacteriology,** Methods.

United States. War Department. Technical manual, TM 10–210: Inspection of subsistence supplies. 139p. 21½cm. Wash., 1940.

——— Technical bulletin MED 226. Veterinary food inspection procedure. 30p. 26cm. Wash., 1947.

Alaettin Eser [Inspection of fish] Askeri vet. mecmuasi, 1940, **18**: 267–83.—**Bloomquist, E. W.** Inspection of fish of the Pacific Northwest. Bull. U. S. Army M. Dep., 1944, No. 79, 84–91. Also Mil. Surgeon, 1945, **96**: 164–9.—**Curley, E. M.** The inspection of food for Army requirements. J. Am. Vet. M. Ass., 1938, **92**: 765–8.—**Dildine, S. C.** The inspection of fresh meat and meat food products and dairy products. Mil. Surgeon, 1945, **96**: 391–6.—**Diller.** Examination of food. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 214.—**Food** inspection and the Army's health. Health U. S. Army, 1949, **4**: No. 8, 2–10.—**Gemeinhardt, K.** Zusammenfassender Bericht über die Ergebnisse in der Frage der Grundanalyse im Bereiche der Heeressanitätsinspektion. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 279–92.—**Henry, M.**

Army food inspection. Austral. Vet. J., 1938, 14: 191.—**Hess, H. E.** Quick-frozen foods; fish. Mil. Surgeon, 1941, 89: 638–47. **Inspection** of food. In: Prev. Med. in World War II, Wash., 1948, 6: 84–8.—**Kalmykov, P. E.** Prostye (nelaboratornye) metody količestvennogo kontrolja gotovoj piščhi. Voen. med. J., Moskva, 1945, Apr., 24–9.—**Kester, W. O.** Army food inspection. Canad. J. Comp. M., 1938, 2: 301–6.—**Lindfield, A.** Problems of food inspection in war-time. J. R. San. Inst., 1940–41, 61: 123–35.—**Mayer, K.** Vorläufiger Bericht über die bisherigen Ergebnisse in der Frage der Grundanalysen bei Leber- u. Blutwurstkonserven im Bereiche der Heeres-Veterinär-Inspektion. Zschr. Veterinärk., 1941, 53: 303–11. Also in Wehrmachtverpflegung, Dresd., 1942, 1: 292–302.—**Meat,** vegetable, and fruit inspection. Hosp. Corps Q., 1944, 17: No. 6, 57–103.—**Minkovich, I.** Bakteriologićeskoe issledovanie piščhevykh produktov. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1354–6.—**Petrovksy, K.** Sanitarno-higieničeskie issledovanija piščhi i pishchevykh produktov. Ibid., 1375–9.—**Problems** of food inspection in war time. Med. Press & Circ., Lond., 1941, 206: 2.—**Riedel.** Lebensmittelüberwachung in den Heeren der Kulturstaaten. Zschr. Veterinärk., 1938, 50: 289–325.—**Rummel.** Die Ueberwachung von Lebensmitteln tierischer Herkunft im Bereiche des Heeres. Ibid., 1941, 53: 291–6. ——— Veterinäre Lebensmittelüberwachung und Wehrmachtverpflegung. Ibid., 1944, 56: 173–9.—**Schönberg, F.** Zur Beurteilung von Fleisch- und Wurstwaren im Kriege. Berl. tierärztl. Wschr., 1940, 157–60, illust.—**Soothill, V. F.** The importance of food inspection in war time. Med. Press & Circ., Lond., 1942, 207: 212–14.—**Who** will do the inspecting? J. Am. Vet. M. Ass., 1942, 100: 138.

—— Equipment.

See also **Food laboratory.**

Adams, H. S. Essential field equipment for the food sanitarian. In his Milk & Food Sanit., N. Y., 1947, 255.—**Korff, F. A., & Kaplan, E.** Field equipment for food inspectors. Am. J. Pub. Health, 1942, 32: 1110–6.—**Schürmann, E.** Neues Untersuchungsbesteck für die Durchführung der veterinären Lebensmittelüberwachung beim Feldheer. Zschr. Fleisch Milchhyg., 1943–44, 54: 61.

—— Organization.

See also **Veterinary service.**

Reinicke, E. A. *Gesundheitspflege der Truppe durch veterinäre Lebensmittelkontrolle in der Wehrmacht und den Heeren der verschiedenen Kulturländer. 67p. 22cm. Berl., 1939.

Aureggio. Quelques réflexions sur les fonctions des inspecteurs des viandes civils et militaires basées sur les arrêtes du Ministre de l'agriculture et les instructions du Ministre de la guerre de 1883 à 1908. Bull. Soc. sc. vét. Lyon, 1908, 11: 233–45.—**Dildine, S. C.** Army veterinary inspection of foods of animal origin. Mil. Surgeon, 1947, 100: 390–401.—**Food** inspection by the Veterinary Corps. J. Am. Vet. M. Ass., 1942, 100: 117.—**Krotkov, F.** Inspektor po pitaniju i vodosnabženiju. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 939–41.—**McKim, O. E.** Veterinary inspection of foods, its importance and responsibility. Mil. Surgeon, 1940, 87: 409–17.—**Moore, H. K.** Organization and operation of the Veterinary Corps food inspection service. Ibid., 1945, 96: 237–41.—**Smock, S. C.** Preparation of report of veterinary meat and dairy hygiene inspection. Circ. M. Sect. Far East Command, 1947, No. 9, 7–9.—**Starnes, M. B.** Veterinary food inspection service of the armed forces. J. Am. Vet. M. Ass., 1949, 114: 388–92.

FOOD laboratory.

See also **Medical laboratory.**

Ferloni, A. V. J., Schiavone, E. L., & Gifuni, F. R. Datos y consideraciones acerca de un equipo para análisis expeditivo de aguas y de alimentos. Rev. san. mil., B. Air., 1945, 44: 1152–64.—**Military** Food Laboratory, Kasauli. Annual Rep. Pub. Health Comm. India (1936) 1938, 2: 22–4.—**Orlov, N. I., & Stenberg, A. I.** [The work of food sections of the sanitary bacteriological laboratories in wartime] Hig. & san., Moskva, 1943, 8: No. 5, 19–24.—**Work** at the Kasauli military food testing laboratory. Ind. M. Gaz., 1940, 75: 563.

FOOD poisoning.

See also **Egg; Food infection; Poisoning.**

United States. Veterans Administration. Technical bulletin TB 10A–111: Investigation of food poisoning. 2p. 27cm. Wash., 1948.

Albert, A. Physical properties and the action of drugs. Pharm. J., Lond., 1940, 91: 100.—**Breese, B. B., Stanbury, J. B., & Upham, H. C.** Food poisoning at a naval training station. U. S. Nav. M. Bull., 1944, 42: 1205–15.—**Cohen, F. P.** Acute outbreak of food poisoning. Hosp. Corps Q., 1945, 18: 35.—**Cole, G. M., & Baer, L. S.** Prevention of food poisoning epidemics. U. S. Nav. M. Bull., 1944, 43: 393–5.—**Edward, D. G.** An outbreak of food poisoning in a military unit. Month. Bull. Emerg. Pub. Health Lab. Serv., Lond., 1943, 2: March, 23.—**Food** poisoning. J. Am. M. Ass., 1943, 121: 1156.—**Food** poisoning in wartime. Statist. Bull. Metrop. Life Insur., 1943, 24: No. 3, 9.—**Gilman,** R. L. A review of fish poisoning in the Puerto Rico-Virgin Islands area; a report of 10 cases occurring on Culebra Island. U. S. Nav. M. Bull., 1942, 40: 19–27, 2 pl.—**Gordon, J. E.** Food poisoning. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 2, No. 2, 1–39, 8 pl., 8 tab., ch. ——— Holiday food poisoning. Ibid., 13–5.—**Hays, J. F.** Food poisoning. U. S. Nav. M. Bull., 1942, 40: 373–6.—**Hoechstetter, S. S.** Food poisoning. Med. Bull. Veterans Admin., 1943–44, 20: 58–60.—**Jones, J. P.** Food poisoning. U. S. Nav. M. Bull., 1944, 42: 1451.—**Kitano, M.** Waga rikugun ni okeru syoku-tyūdoku no tōkei-teki kansatu [... in the Japanese army] Gun idan zassi, 1936, No. 272, 49–80.—**Laufer.** Clinical study of convulsive disorders in man as affected by total withdrawal of bleached flour from the diet. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 78.—**Macdonald, I.** An outbreak of food poisoning. J. R. Nav. M. Serv., 1941, 27: 208.—**Marsh, E. H.** Investigation of outbreaks of food poisoning. Bull. U. S. Army M. Dep., 1946, 5: 350–3.—**Perkins, J. E., & Mayers, M. R.** Food poisoning in state's war industry plants. Indust. Hyg., Alb., 1944, 23: 66–8.—**Respiratory** diseases and food poisoning. U. S. Nav. M. Bull., 1944, 43: 1282.—**Schulze, H. A.** The Atterberry food poisoning case. Med. Bull. Europ. Command, 1949, 6: No. 5, 17–21.—**Shronts, J. F., Katsampes, C. P., & Campbell, E. P.** Analysis of 100 food poisoning outbreaks; food intoxication, water- and food-borne infections. U. S. Nav. M. Bull., 1945, 44: 1321–4.—**Tapp, E. M.** Food poisoning. Med. Bull. Veterans Admin., 1943–44, 20: 61–6.—**Taylor, C. E.** Food poisoning. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, 1: No. 2, 36–45. Also Bull. U. S. Army M. Dep., 1947, 7: 226–32.

FOOD rationing.

See also **Ration; Ration supply.**

League of Nations. Economic Intelligence Service. Wartime rationing and consumption. 87p. 23½cm. Genève, 1942.

Massachusetts, U. S. A. Department of Public Health, & Massachusetts Committee on Public Safety. Dietary equivalents for wartime rationing. l. 28cm. Bost. [after] 1942.

Besse, R. Restrictions et régimes. Praxis, Bern, 1942, 31: 34.—**Bocalandro, C. A.** Racionamiento de la alimentación en tiempo de guerra. Rev. mil., B. Air., 1943, 43: pt 2, 723; 1029; 1275.—**Couturat, J.** Sur le rationnement alimentaire. Presse méd., 1940, 48: 945.—**Dionisi, Noyan Abdul Kadir & Zekin Ural.** Estudio comparativo del reaprovisionamiento de víveres y de la alimentación de los enfermos en tiempo de paz y en tiempo de guerra. Rev. san. nav., Valparaíso, 1937, 7: 193–200.—**Food** distribution in war-time. Nature, Lond., 1941, 147: 335–7.—**Food** (The) rationing order. J. Am. M. Ass., 1943, 122: 239.—**Food** rationing in wartime. Ibid., 123: 422–4.—**Gariepy, L. H.** Rationnement et alimentation. Union méd. Canada, 1943, 72: 30–2.—**Harvey, D.** Notes on the rationing of foodstuffs. East Afr. M. J., 1943, 20: 235–9.—**Mahaffey, J. L.** Rigid supervision of food supplies and milk on the home front. Certif. Milk, 1943, 18: No. 203, 3.—**Mallory, H.** Point evaluation of typical diets. J. Am. Diet. Ass., 1943, 19: 621–4.—**Martin, E.** Alimentation rationnée et besoins vitaux. Praxis, Bern, 1942, 31: 35.—**Oldfield, J.** Eating for victory. Brit. M. J., 1940, 1: 994.—**OPM** places restrictions on foods and materials; orders affect tires, wrappers, cans, fats and oils, coffee, alcohol, molasses and sugar. Food Indust., 1942, 14: No. 2, 67.—**Orosco, G.** Importancia del racionamiento de alimentación en tiempo de paz y de guerra. Rev. san. mil., La Paz, 1940, 4: 898–900.—**Propos** (A) des restrictions alimentaires. Presse méd., 1940, 48: 838.—**Prüfung** (Zur) der Lebensmittelatteste. Aerztebl. Hessen, 1940, 8: 71.—**Randoin, L.** Les quantités minima de principes nutritifs nécessaires et les rapports et équilibres alimentaires à réaliser dans les rations destinées aux adultes. Bull. Acad. méd., Par., 1941, 3. sér., 124: 429–37.—**Rose, F.** How to meet the needs of the normal diet with rationing of food. California West. M., 1944, 61: 289.—**Sandoz, L. M.** Discussion de la ration alimentaire en temps de guerre. Schweiz. Mschr. Zahnh., 1941, 51: 548–71.—**Saunders, J. C.** Food rationing and supply. Lancet, Lond., 1944, 2: 580.—**Training** institutes for food control officials. N. Hampshire Health News, 1943, 21: No. 5, 19.—**Viton, A.** Rationing in theory and practice. J. Am. Diet. Ass., 1943, 19: 18–22.—**Walters, P. M.** We won't starve. Hygeia, Chic., 1943, 21: 364–71.—**War-time** consumption and rationing. Nature, Lond., 1943, 151: 371.—**What** to eat in war-time. Lancet, Lond., 1940, 1: 1131.

—— complementary.

Betr. Lebensmittelrationierung; Zusatzkarten. Schweiz. Arch. Tierh., 1942, 84: 323.—**Extra** rations for special cases. Brit. M. J., 1940, 1: 1000.—**Jones, J.** Supplementing the dietary. Ibid., 1941, 1: 381.—**New** wartime feeding plans for children and war workers. J. Am. M. Ass., 1942, 118: 313.—

Razioni complementari per alcuni lavoratori. Fol. med., Nap., 1941, **27**: 679.

—— Effect.

Anderson, C. A. Food rationing and morale. Am. Sociol. Rev., 1943, **8**: 23–33.—**Discussion** et vote du rapport de M. Le Noir sur la pratique des activités physiques dans ses rapports avec la ration alimentaire actuelle. Bull. Acad. méd., Par., 1942, **126**: 241.—**Eimer, K.** Vorteile und Gefahren der Ernährungseinschränkung. Münch. med. Wschr., 1940, **87**: 659.—**Gesundheit** unter der Rationierung. Praxis, Bern, 1942, **31**: 270.—**Le Noir.** Sur la pratique des activités physiques dans ses rapports avec la ration alimentaire actuelle. Bull. Acad. méd., Par., 1942, **126**: 216.—**Maladies** et restrictions; tickettose et uramanie. Praxis, Bern, 1941, **30**: 794.—**Rationing** and morale. Bull. U. S. Nat. Res. Counc., 1943, No. 108, 160.—**Richet, C.** Sur la limitation temporaire des exercices physiques pendant la période des grandes restrictions alimentaires. Bull. Acad. méd., Par., 1942, **126**: 72–5.—**Widdowson, E. M.** The effects of wartime rationing on child health. Arch. Dis. Childh., Lond., 1942, **17**: 61.

—— Medical and dietetic aspect.

See also **Diet.**

Adlersberg, D., & Hauser, T. Special diets under rationing. J. Am. Diet. Ass., 1943, **19**: 576.—**Alimentation** (L') des malades et le rationnement fédéral des denrèes alimentaires. Bull. Eidg. Gesundhamt., 1942, 468–80.—**Blumenthal, R. W.** The doctor's part in food rationing. Milwaukee M. Times, 1943, **16**: No. 5, 11.—**Cox, G. L.** Food rations at sanatoria. Med. Off., Lond., 1942, **68**: 188.—**Davies, C. K.,** jr. Procedure for obtaining more rationed foods because of illness. Med. Ann. District of Columbia, 1944, **13**: 391.—**Debré & Lesné.** a) Note pour le corps médical sur les notions essentielles de diététique à rappeler dans les circonstances actuelles; b) Conseils aux ménagères et particulierement aux mères de famille, aux étudiantes sociales et aux personnes des oeuvres d'enseignement ménager, pour obvier aux inconvénients du rationnement alimentaire. Bull. Acad. méd., Par., 1940, **123**: 702–7.—**Extra** ration points for special diets. J. Indiana M. Ass., 1943, **36**: 312–5.—**Fairchild, T. E.** The part of the physician in rationing. Wisconsin M. J., 1944, **43**: 175–8.—**Fleisch, A., & Käppeli, J.** L'alimentation des malades dans le cadre du rationnement fédéral. Bull. Eidg. Gesundhamt., 1942, Gegen Tuberk., 32–6.—**Food** rationing and the doctor. Bull. Acad. M. Cleveland, 1944, **29**: No. 10, 6, &c.—**Foodstuffs** for therapeutic use [under war-time rationing] Brit. M. J., 1940, **1**: 581.—**Guex, M.** Nouvelle réglementation des dispenses médicales. Praxis, Bern, 1942, **31**: 34.—**Heywood, J. D.** The part of the physician in rationing. Wisconsin M. J., 1945, **44**: 129.—**Hoxie, G. H.** Doctors and the rationing boards. Med.Times, Lond., 1943, **71**: 239.—**Invalid** diets and food rationing. J. Iowa M. Soc., 1943, **33**: 231.—**Krankenernährung** (Die) im Rahmen der eidgenössischen Rationierung; Richtlinien für Aerzte. Bull. Eidg. Gesundhamt., 1942, 450–61.—**Lapp, F. W.** Diätverordnungen im Kriege. Wien. med. Wschr., 1941, **91**: 328–31.—**McLaughlin, J. A.** Supplementary food rations. N. England J. M., 1943, **229**: 31.—**Martel, H.** Au sujet d'une circulaire qui attribue un supplément de ration alimentaire aux malades internés des hôpitaux psychiatriques. Bull. Acad. méd., Par., 1943, **127**: 88.—**Nuove** (Le) norme per l'adeguamento delle razioni alle esigenze dietetiche del malati. Policlinico, 1941, **48**: sez. prat., 506.—**Polk** County plan for food rationing to patients requiring special diets. J. Iowa M. Soc., 1943, **33**: 276–9.—**Putto** [Distribution of food for the sick, physicians and nursing personnel in Germany] Geneesk. gids, 1941, **19**: 50.—**Rathery, F.** La ration alimentaire de l'homme malade. J. méd. Paris, 1940, **60**: 328–30. —— Le personnel médical devant les restrictions alimentaires. Bull. Acad. méd., Par., 1941, **124**: 80–90.—**Remmen, E. T.** The physician and the OPA in the management of patients requiring special therapeutic diets. California West. M., 1944, **61**: 290. —— **West, H., & Howson, C.** The physicians' part in food rationing. Ibid., 1943, **58**: 290.—**Rouèche, H.** Les questions de rationnement alimentaire à l'Académie de médecine et au Comité national de l'enfance. J. méd. Paris, 1940, **60**: 323–36.—**Rowsome, F. H.,** jr. When your patient asks for a note to the Ration Board whether to comply with the request and what to say if you do. Med. Econom., 1942–43, **20**: No. 6, 47; 124.—**Weekly** supplementary allowances of rationed foods for invalids. J. R. Inst. Pub. Health, 1941, **4**: 254.

—— Organization.

Le Noir. Exposé du programme de la Commission du rationnement alimentaire. Bull. Acad. méd., Par., 1940, **123**: 651.—**Mayer, A.** Rapport au nom de la Commission du rationnement alimentaire. Presse méd., 1940, **48**: 867.

—— Technic.

Brockington, C. F. A comparison of the rationing systems in Germany and the United Kingdom. Pub. Health, Lond., 1944–45, **58**: 54.—**Goldmann, J.** Differential rationing in practice. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 453 (Abstr.)—**Lesné, E.** Sur le rationnement alimentaire, à propos des cartes d'alimentation. Bull. Acad. méd., Par., 1940, **123**: 652–66. —— De la nécessité de déplacer les centres de distribution des titres de rationnement actuellement dans les écoles. Ibid., 1943, **127**: 187.—**Payot, F.** Quelques considérations administratives sur le rationnement des denrées alimentaires. Rev. méd. Suisse rom., 1942, **62**: 540.—**Point** (The) system of rationing. Science, 1943, **98**: 379.

—— by countries.

Dmochowski, L. Food conditions in occupied Poland; analysis of the German food-rationing system in Poland. 92p. 25cm. Lond., 1944.

Egle, M. Die Rationierung von Lebensmitteln in der Schweiz. Ernährung, 1943, **8**: 171–4. —— Rationierung in Schweden. Ibid., 233–6.—**Food** rations in other countries. J. Am. Diet. Ass., 1943, **19**: 122–4.—**Foot, D.** Rations in occupied Europe. Lancet, Lond., 1944, **1**: 167.—**Melding** nr. 419 fra Forsyningsdepartementet, Direktoratet for proviantering og rasjonering. Tskr. Norges laegeforb., 1942, **62**: 400.—**Melding** nr. 574 fra Forsyningsdepartementet, Direktoratet for proviantering og rasjonering av 1. februar 1943. Ibid., 1943, **63**: 77–85.—**Monatsrationen** (Die) im August 1943. Bull. Eidg. Gesundhamt. 1943, 66; 158; 202; 267.—**Rations** (Les) mensuelles en juillet 1944. Ibid., 1944, 277–9.—**Régime** (Le) alimentaire actuel de la population belge, ses caractéristiques et l'influence qu'auraient sur lui les mesures envisagées pour lutter contre les restrictions des importations en temps de guerre. Bull. san. pub., Brux., 1939, **4**: 783–819.—**Soziale** (Die) Seite der Rationierung in der Schweiz. Praxis, Bern, 1943, **32**: 308.—**Ten Haaf, D. Y.** Wartime food rationing in the Netherlands. J. Am. Diet. Ass., 1946, **22**: 984–6.—**Vitamines** et rationnement en Belgique. Praxis, Bern, 1942, **31**: 550.

—— by countries: France.

Randoin, L., & Maillard, J. L'évolution des restrictions alimentaires au cours des années 1942, 1943 et 1944 pour les principales catégories de consommateurs. p. 270–325. 24cm. Par., 1947.
In: Bull. Soc. sc. hyg. aliment., Par., 1947, **35**: 270–325.

Justin-Besançon, L. Les restrictions alimentaires dans les hôpitaux de Paris pendant l'occupation. Bull. Acad. méd., Par., 1945, **129**: 77–83.—**Le Noir.** Sur l'état du rationnement alimentaire au début de l'hiver 1942–1943. Ibid., 1942, **126**: 496–500.—**Minoli, R. F.** Food rationing and mortality in Paris, 1940–1941. Milbank Mem. Fund Q., 1942, **20**: 213–20.—**Rothman, B.** El racionamiento de los alimentos en Francia (octubre de 1940 a setiembre de 1941) Rev. As. argent. dietol., 1943, **1**: 133–42.

—— by countries: Germany.

Christiansen, J. [Rationing in Germany] Ugeskr. laeger, 1940, **102**: 549.—**Food** rations in Axis and occupied countries, 1943. Month. Labor Rev., 1943, **57**: 37–9.—**Increase** of food rations in shop canteens in Germany. Ibid., 1941, **52**: 100.—**Richter, J. H.** Food rationing in Germany. Bull. Hyg., Lond., 1942, **17**: 782 (Abstr.)

—— by countries: Great Britain.

British Information Services [New York] Rationing of food in Great Britain. Rev. 1943. 14p. 23½cm. N. Y., 1943.

British (The) figure improves with rationing. J. Am. M. Ass., 1942, **120**: 549.—**Butter** ration reduced [Great Britain] Ibid., 1940, **115**: 1819.—**Crane, J.** The British pattern of food rationing for hospitals. Mod. Hosp., 1942, **58**: No. 4, 92–4.—**Food** distribution and rationing in Great Britain. Month. Labor Rev., 1941, **53**: 1401.—**Increase** of food rationing; supplies well maintained [Great Britain] J. Am. M. Ass., 1941, **117**: 1031.—**Plans** for food control in war time [Great Britain] Ibid., 1938, **110**: 1935.—**Pyke, M.** Four years of planned feeding in Great Britain. Nature, Lond., 1943, **151**: 658.—**Reduction** of rationed foods. J. Am. M. Ass., 1942, **118**: 1383.—**Wartime** food control in Great Britain. Month. Labor Rev., 1942, **55**: 728–34.—**Wartime** food and price control in Great Britain. Ibid., 1940, **50**: 326.—**War-time** rationing and consumption. Brit. Food J., 1943, **45**: 11.

FOOD research.

See under **Research.**

FOOD substitute.

Balavoine, P. Aperçu sur les aliments de remplacement pendant la guerre; leur valeur nutritive. Mitt. Lebensmitteluntersuch., Bern, 1946, **37**: 70–5.—**Bruère.** Les succédanés alimentaires et la santé publique; rôle éducatif des sanitaires. Bull. Soc. méd. mil. fr., 1945, **39**: 248–51.—**Food** substitutes, control, order, 1941, of the Ministry of Food. Analyst, Lond., 1942, **67**: 139.—**Högl, O.** Die Ersatzlebensmittel in der gegenwärtigen Kriegszeit. Zbl. ges. Hyg., 1943, **51**: 178 (Abstr.)—**Sampling** of food substitutes. Med. Off., Lond., 1942, **67**: 84.

FOOD supply.

See also **Civilian defense**, Food service; **Food rationing**; **Hospital service**, Food supply; **Ration supply.**

Clayton, C. P. G. The supervision of food supplies in wartime. Brit. Food J., 1940, **42**: 41; 51; 61.—**Food-supplies.** Lancet, Lond., 1940, **1**: 1179.—**Mackenzie, I. A.** Food for all. Bull. hyg., Montréal, 1943, **29**: 1–15.—**Martel, H.** Rapport sur certaines viandes récupérables. Presse méd., 1943, **51**: 51 (Abstr.)—**Wickard, C. R.** Food supplies. Congressional Record, 1943, **89**: A1084.

—— foreign.

United States. Air Force. School of Applied Tactics. Living off the land...Southwest Pacific tropics...Arctic. 79p. 25cm. Eglin Field, 1944 [?]

Food from America. Brit. Food J., 1944, **46**: 52.—**Food** supplies under the Lend-Lease Act. J. Am. M. Ass., 1941, **117**: 1905.—**Large** amounts of U. S. foods will be shipped to Britain. Food Indust., 1941, **13**: No. 4, 66.—**Walworth, G.** Foreign supplies [of food] In his Feeding the Nation, Lond., 1940, 31.

—— Geography.

Russell, J. Britain's food in wartime. 32p. 18½cm. Lond., 1941.

Abel, M. Food news in Hawaii. Hawaii M. J., 1941–42, **1**: 328.—**Alimentação** nacional. Fol. med., Rio, 1943, **24**: No. 5, p. ix–xi.—**Ample** supplies of essential foods [Great Britain] J. Am. M. Ass., 1941, **116**: 156.—**Babicka, M.** The current food situation inside Poland. J. Am. Diet. Ass., 1943, **19**: 261–4.—**Bigwood, E. J.** Belgium's food problem. Ibid., 1945, **21**: 69–72.—**Bonney, T.** De que se alimenta agora o povo francés. Impr. med., Rio, 1942, **18**: No. 342, 148–50.—**Britain** fortifies its food. Nova Scotia M. Bull., 1941, **20**: 21–3.—**Cronshaw, H. B.** Britain gears food resources to war time needs. Food Indust., 1940, **12**: No. 2, 43–5.—**Davidson, C. S.** Nutrition and food supply in Germany and Austria. Nutrit. Rev., 1946, **4**: 161–3.—**Europe** eats meat today unable to save for tomorrow. Science News Lett., 1940, **37**: 388.—**Food** crisis and nutritional requirements. J. Ind. M. Ass., 1943–44, **13**: 116.—**Food** and nutrition in Scotland. Brit. M. J., 1941, **2**: 252.—**Food** problem [India] J. Ind. M. Ass., 1942–43, **12**: 167.—**Food** scarcity and gruel kitchen. Calcutta M. J., 1943, **40**: 350.—**Food** (The) situation [Great Britain] J. Am. M. Ass., 1940, **115**: 793.—**Food** (The) situation in Europe. Ibid., 1386.—**Food** situation satisfactory [England] Ibid., 1941, **117**: 1197.—**Foot, D., & Davies, R.** Food-supplies for Greece. Lancet, Lond., 1943, **1**: 661.—**Gotz, M.** New menu in England. Food Indust., 1944, **16**: 984.—**Hammarskjöld, B.** Vår livsmedelsförsörjning under nu pågående krig; förutsättningar och utsikter. Nord. med., 1941, **11**: 2658–62.—**Harvey, T. E.** Food-supplies in France and Belgium. Lancet, Lond., 1943, **2**: 28.—**Jaffe, S.** Why France goes hungry. Food Indust., 1941, **13**: No. 9, 39.—**Kephart, O. T., & Schell, E. D.** The German food situation. Month. Labor Rev., 1941, **53**: 283–92.—**L., J. R.** Wartime food developments in Germany. Canad. M. Ass. J., 1943, **49**: 212.—**Luna Freire do Pilar, O., & Majela Bijos, G.** Alimentos e medicamentos na guerra. Rev. méd. cir. Brasil, 1944, **52**: 541–7.—**Marrack, J. R.** For European relief; feeding a hungry Europe. Nurs. Times, Lond., 1944, **40**: 132.—**Minoli, R. F.** El problema de la alimentación en Francia desde el 1 de octubre de 1940 al 30 de septiembre de 1941. Rev. med., B. Air., 1942, **4**: 153–70.—**National** (The) food supply in war time [Netherlands] J. Am. M. Ass., 1938, **110**: 1686.—**Nutritional** (The) state of rural Oxfordshire children. J. R. Inst. Pub. Health, 1941, **4**: 255.—**Peters, L. A. H.** The contemporary food situation inside Holland. J. Am. Diet. Ass., 1943, **19**: 259.—**Petitpierre, C.** Food supply in Switzerland during the war. Biol. Human Affairs, Lond., 1948–49, **14**: 116–20.—**Phipard, E. F.** Preparations for longer time feeding in liberated countries. J. Am. Diet. Ass., 1943, **19**: 269.—**Radin, G.** Yugoslavian plans for restored food sufficiency. Ibid., 271–3.—**Scarcity** of food [Paris letter] J. Am. M. Ass., 1941, **116**: 1470.—**Sekulich, M.** State of nutrition in enemy-occupied Yugoslavia. Proc. R. Soc. M., Lond., 1943–44, **37**: 118.—**Spicknall, C. G., Fishburn, H. D., & Baum, W. S.** O regime alimentar na Alemanha e nos paises ocupados durante o segundo ano de guerra. Brasil. med., 1944, **58**: 304–6.—**Staniford, J.** Must America go hungry? Am. Mercury, 1943, Jan., 92–101.—**Starvation** in Southern France. Brit. M. J., 1943, **1**: 166.—**Tecoz, H. F.** L'alimentation en France depuis la perte de l'Afrique. Praxis, Bern, 1943, **32**: 382.—**Thomson, J. C.** The food problems of Free China. Nutrit. Rev., 1942–43, **1**: 257–9.—**Undernourishment** a pressing problem [Belgium] J. Am. M. Ass., 1941, **116**: 2881.—**Wartime** eating centres. Lancet, Lond., 1941, **1**: 326.—**Wilder, R. M.** Nutrition in the United States; a program for the present emergency and the future. Ann. Int. M., 1940–41, **14**: 2189–98.—**Wright, N. C.** Britain's feeding-stuffs gap; can it be closed? Vet. Rec., Lond., 1941, **53**: 50–4.—**Young, J.** Food situation in Belgium. Proc. R. Soc. M., Lond., 1943–44, **37**: 119.

—— Organization.

See also **Food rationing**, Organization.

[United States] National Research Council. Committee on Sanitary Engineering and Environment. Subcommittee on Food Supply. Bulletin, food supply. Wash., 1948–

Appleby, P. H. What Hot Springs conference means to food processors. Food Indust., 1943, **15**: No. 8, 59–61.—**Boudreau, F. G.** Food and nutrition policy here and abroad. Am. J. Pub. Health, 1944, **34**: 215–8.—**Burton, L. V.** Where is the plan? Food Indust., 1942, **14**: No. 4, 31. ——— Four jobs for war food requirements committee. Ibid., No. 7, 37.—**Commission** fédérale pour l'alimentation de guerre. Bull. Eidg. Gesundhamt., 1941, 555.—**Committee** to study food needs of invalids. J. Am. M. Ass., 1943, **122**: 383. Also Illinois M. J., 1943, **83**: 374.—**Eden, Addison & Woolton.** Food conference at Hot Springs. Brit. M. J., 1943, **2**: 122.—**Food** plans for wartime [Great Britain] J. Am. M. Ass., 1939, **112**: 2617.—**Government** plans for food in war time [Great Britain] Ibid., **113**: 1143.—**Harding, T. S.** Food planning in a wartime economy. J. Am. Diet. Ass., 1943, **19**: 200.—**O'Connor, M. E.** A plan for meeting commodity needs in wartime. Ibid., 1942, **18**: 515–7.—**Scientific** (A) food policy. Nature, Lond., 1942, **149**: 309–11.—**Tiedeman, W. D.** Subcommittee on Food Supply. Bull. San. Engin. (NRC) Wash., 1949, 16. meet., 176.—**Walworth, G.** The preparation of wartime food plans. In his Feeding the Nation, Lond., 1940, 519–33.—**Wilder, R. M.** Nutrition planning for the national defense. War Med., Chic., 1941, **1**: 143–57.

—— postwar.

Bourne, G. Feeding post-war Europe. Nature, Lond., 1942, **149**: 182–4.—**Bringing** Europe back to life; Allies now at work on comprehensive plan. Nova Scotia M. Bull., 1942, **21**: 266–8.—**Problem** (The) of feeding Europe after the war. J. Am. M. Ass., 1942, **119**: 279.

—— Problems.

Bacharach, A. L. Some nutritional problems of war and peace. Pharm. J., Lond., 1940, **91**: 192.—**Cowgill, G. R.** Some food problems in war time. Am. Scientist, 1943, **31**: 142–50. Also Annual Rep. Smithson. Inst. (1943) 1944, 591–9.—**Debré & Lesné.** Sur les notions essentielles de diététique à rappeler dans les circonstances actuelles. J. méd. Paris, 1940, **60**: 326. Also Presse méd., 1940, **48**: 877.—**Food** in case of invasion and heavy bombing. J. Am. M. Ass., 1942, **118**: 158.—**Food** (The) problem. Ibid., 474–6.—**Gannett, F.** The food problem. Congressional Record, 1943, **89**: A1382.—**Guaranteed** minimum diet. Lancet, Lond., 1940, **1**: 1103.—**Keys, A.** War and military food problems. Everybody's Health, S. Paul, 1942, **27**: No. 4, 4.—**Koehne, M.** Wartime food problems. Ohio M. J., 1944, **40**: 824–31.—**Mann, B.** A survey of some of the nutrition problems of war time. Nurs. Times, Lond., 1941, **37**: 662.—**Prescott, S. C.** Food problems in wartime. J. Bact., Balt., 1943, **45**: 47 (Abstr.)—**Tecoz, R. M.** Quelques problèmes alimentaires actuels. Praxis, Bern, 1942, **31**: 209. ——— Problèmes alimentaires actuels. Ibid., 1943, **32**: 5–8.—**Verteuil, E. de.** Radio talk on food problems during war time. Carib. M. J., Trinidad, 1943, **5**: 82–6.—**Walworth, G.** The problem of feeding the nation in wartime. In his Feeding the Nation, Lond., 1940, 518–33.—**Wartime** food problems discussed by IFT. Food Indust., 1942, **14**: No. 7, 41–3.—**Wilensky, A. O.** The food problem in the present and in the postwar world. Rev. Gastroenter., N. Y., 1943, **10**: 314.

—— in war.

Callow, A. B. Good health on war-time food. 32p. 16½cm. Lond., 1941.

Okey, R. E., & Luck, M. G. Wartime food for four income levels. 44 l. 27½cm. Berkeley, 1943.

Plimmer, V. G. Food values in war-time. 80p. 18cm. Lond., 1941.

Ritzman, E. M. Calories in wartime. 16p. 23½cm. Durham, 1942.

United States. Human Nutrition and Home Economics Bureau. Fats in wartime meals. 4p. 28½cm. Wash., 1943.

Amantea, G. Il problema dei rapporti fra alimentazione e riproduzione, e la sua importanza in condizioni di guerra. Gior. med. mil., 1940, **88**: 697.—**Aykroyd, S. K.** Feeding the people in war-time. Current Sc., Bangalore, 1940, **9**: 267–9.—**Bartlett, A. C.** Food in the present emergency. J. Am. Diet. Ass., 1942, **18**: 811–4.—**Billington, L. K.** The family's food in wartime. Wisconsin Bd Health Q. Bull., 1943, **8**: No. 5, 36.—**Bowes, A. D.** Food in war time. Pennsylvania Health, 1943, **4**: No. 2, 4.—**Brockington, F.** The fortification of foodstuffs. Pub. Health, Lond., 1940–41, **54**: 26.—**Burton, L. V.** We are losing precious time. Food Indust., 1942, **14**: 35.—**Cannon, P. R.** Food and the war. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 23–39. Also Illinois Dent. J., 1944, **13**: 3–14.—

Clements, F. W. Another scale of family coefficients. Lancet, Lond., 1941, **1**: 234.—**Cowell, S. J.** Food in war time. J. R. San. Inst., 1940–41, **61**: 1–15.—**Criticism** of the war loaf [Great Britain] J. Am. M. Ass., 1940, **115**: 1903.—**Diet** in war-time; the carbohydrate foods. J. R. Inst. Pub. Health, 1940, **3**: 259–61.—**Diet** in war time; unrationed foods, fish, eggs, milk, cheese, pulses, nuts. Ibid., 208–13.—**Doriot, G. F.** Food and war. Nutrit. Rev., 1942–43, **1**: 289–92.—**Faure, L.** Le ravitaillement national en viande en cas de guerre. Bull. Acad. vét. France, 1938, **11**: 141–3.—**Feeding** the world. Lancet, Lond., 1943, **2**: 86.—**Food** changes due to the war [Gt. Britain] J. Am. M. Ass., 1943, **123**: 162.—**Food** (The) situation [Great Britain] Ibid., 1941, **116**: 2096; 2880; 1942, **118**: 395; 576.—**Food** and the war. Ibid., 1940, **115**: 536.—**Food** in war time. Med. Press & Circ., Lond., 1940, **204**: 122.—**G.** Die Auswirkung der Kriegsernährung auf die deutsche Schuljugend. Deut. med. Wschr., 1940, **66**: 1167.—**Harding, T. S.** Our food situation. Med. Rec., N. Y., 1942, **155**: No. 15, 22–30. ——— Food in 1943. Am. J. Pharm., 1943, **115**: 168–72. ——— Feeding folks at war. Ibid., 1944, **116**: 268–75.—**Hastings, M.** Nutritional defense against germ invasion. Phys. Cult., N. Y., 1941, **85**: 40; 63.—**Irish, D. D.** Will we eat? Chem. Leaflet, 1942–43, **16**: No. 11, 56–60.—**Kenwood, H.** Our war-time food. Brit. Food J., 1940, **42**: 101.—**King, C. G.** Food and nutrition as related to the war. Science, 1943, **97**: 129–31.—**McBride, G. W.** What war has done to fats and oils supply. Food Indust., 1942, **14**: No. 2, 57-9.—**Mathews, S.** Foods in wartime. J. M. Ass. Georgia, 1943, **32**: 329–33.—**Maurizio, A.** Pflanzennahrung in Zeiten der Missernte und des Krieges. Mitt. Lebensmitteluntersuch., 1940, **31**: 12–38.—**More** (The) we eat together. Lancet, Lond., 1940, **2**: 217.—**Mottram, V. H.** Food and the housewife. Brit. M. J., 1940, **2**: 62–4.—**Myers, W. I.** The current food situation. Med. Woman J., 1943, **50**: 208–13.—**Nutrition** in war time. Med. Press & Circ., Lond., 1940, **204**: 393.—**Pett, L. B.** Nutrition, now and later. J. Am. Diet. Ass., 1942, **18**: 837–9.—**Robinson, W.** Food; its relation to fitness, unfitness, diseases and war. Clin. J., Lond., 1940, **69**: 229–33.—**Rowntree, J.** Food in war time. Marriage & Family Liv., 1943, **5**: 55.—**Smith, S. W.** A sound wartime dietary. Brit. M. J., 1941, **1**: 63.—**Walker, V.** War and the family's food. Florida Health Notes, 1942, **34**: 135.—**Walworth, G.** Wartime achievements and their effects. In his Feeding the Nation, Lond., 1940, 24–47.—**War** benefits. Good Health, 1941, **76**: 36.—**War-time** food regulations. Med. Leg. Crim. Rev., Lond., 1940, **8**: 241.—**What** the well-fed man will eat in 1943. Certif. Milk, 1943, **18**: 9.

—— in war: Children, infants, and mothers.

BOURNE, G. War-time food for mother and child. 78p. 19cm. Lond., 1942.

GREAT BRITAIN. MINISTRY OF FOOD. Your baby's food in war time, the first year. 20p. 18½cm. Lond., 1942.

SCOTLAND. DEPARTMENT OF HEALTH. The feeding of infants and pre-school children; a guide for use in war-time nurseries. 4. ed. 20p. 21cm. Edinb., 1944.

Bacchetta, V. La razione alimentare dei bambini e delle madri nutrici nei vari strati della popolazione di Roma nel quadrimestre dicembre 1944-marzo 1945. Arch. ital. pediat., 1949, **13**: 235–60.—**Bartoli, C.** Lo sviluppo ponderale del lattante in Roma in rapporto con le condizioni alimentari di guerra. Pediat. internaz., Roma, 1948, **1**: 45–50.—**Bewilligung** zusätzlicher Lebensmittel für stillende Mütter und Wöchnerinnen sowie für Kinder und Jugendliche als Spender von Poliomyelitis-Rekonvaleszentenblut. Zbl. ges. Hyg., 1943, **51**: 178.—**Bokkel Huinink, A. ten** [Feeding of children during ration times] Ned. tschr. geneesk., 1940, **84**: 3001–16.—**Calvo Bernad, A.** Profilaxis de las alteraciones nutritivas infantiles por curas crenoclimáticas. Med. & cir. guerra, 1948, **10**: 281–4.—**Costantino, G.** Contributo allo studio dei problemi dell'alimentazione del bambino durante la guerra. Med. ital., 1943, **24**: 119; passim.—**Exchaquet, L.** L'alimentation du nourrisson en temps de guerre. Ann. paediat., Basel, 1942, **159**: 177–86. Also Schweiz. med. Wschr., 1943, **73**: 342.—**Frontali, G.** Problemi dell'alimentazione infantile durante e dopo la guerra. Pediatria (Riv.) 1947, **55**: 721. ——— Inchiesta sull'alimentazione infantile in Roma durante e dopo la guerra. Pediat. internaz., Roma, 1948, **1**: 1–32.—**Hofmeier, K.** Die Ernährung des gesunden Kindes unter besonderer Berücksichtigung der Kriegsverhältnisse. Wien. med. Wschr., 1943, **93**: 357–61.—**Kerr, A. L.** Feeding of children. Lancet, Lond., 1941, **1**: 162.—**MacNeill, N. M.** Infant feeding in a rationed era. Pennsylvania M. J., 1943–44, **47**: 209–11.—**Müller, E.** Zur Ernährung des Kindes in Notzeiten. Arch. Kinderh., 1946, **133**: 26–34.—**Oxenius, K.** Entstehung und Lösung aktueller Säuglingsprobleme in der Praxis. Münch. med. Wschr., 1940, **87**: 87–92.—**Peruzzi, D.** Relazione per uno studio sui regimi di alimentazione adottati in lattanti e bambini entro l'anno di età durante due viaggi di circumnavigazione del continente africano. Med. ital., 1948, **28**: 301–5.—**Saitō, H.** Senzi-ka no nyūzi eiyō [Nourishment of infants under wartime conditions] Tiryo, 1944, **26**: 174–84.—**Tanaka, K.** Senzi-ka nyūyozi eiyō sidō no taiken [Experience in the direction of ...] Naika & syonika, 1943, **3**: 64–7.—**Widdowson, E. M., Wilson, D. C.** [et al.] Wartime rationing and children's health. Brit. M. J., 1941, **2**: 920. ——— Discussion on the effects of war-time rationing on child health. Proc. R. Soc. M., Lond., 1941–42, **35**: 273–8.

FOOD transport.

Egan, H. E. Inspection and transportation of perishable food items by air-lift. Med. Bull. Europ. Command, 1949, **6**: No. 2, 1.—**Forbes, D.** Cargo space and the food supply. J. R. San. Inst., 1940–41, **61**: 136–40.—**Increased** food restrictions to save shipping. J. Am. M. Ass., 1943, **121**: 879.

FOOT.

See also **Boot; Chiropody; Medical examination, Foot; Shoe; Surgical technic.**

Barry, D. Foot standards for war service. Med. J. Australia, 1942, **1**: 404–6.—**Feet** of the future. Mil. Surgeon, 1941, **89**: 911.—**Fernald, J. M.** Plaster foot models. Bull. U. S. Army M. Dep., 1944, No. 76, 121.—**Foot** (The) and its relation to military service. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 591–601.—**Foot** standards under Selective Service. J. Nat. Ass. Chiropod., 1941, **31**: No. 9, 19.—**Harris, R. I., & Beath, T.** X-ray technique for the study of foot architecture. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 4, C.6114, App. C, 1–3, 5 fig.—**Platt, H.** The soldier's foot. Bull. War M., Lond., 1943–44, **4**: 690.—**Roven, M. D.** Military podiatry. In: Modern Foot Ther. (Gross, R. H.) N. Y., 1948, 656–76, illust.—**Schuster, O. N.** Keeping the Marines on their toes. Merck Rep., 1943, **52**: 4–8.—**Soldier's** (The) foot. Lancet, Lond., 1942, **2**: 312.—**Sudo, I.** On the relation between sole reflex and pain in the calf muscles. Bull. Nav. M. Ass., Tokyo, 1931, **20**: No. 5, Suppl., 5 (Abstr.)—**Toubert.** La podologie dans l'armée. Bull. Soc. méd. mil. fr., 1945, **39**: 155–9.

—— Appliances and prosthesis.

See also **Prosthesis.**

UNITED STATES. WAR DEPARTMENT. OFFICE OF THE SURGEON GENERAL. Circular letter No. 154: Arch support program (Insert type) 5p. 27cm. Wash., 1943.

Foot and ankle. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 156.—**Rosnovsky, A.** [A variation of the light wire splint for immobilization of the tibiotarsal joint and of the foot] Voen. san. delo, 1942, No. 10, 79–81.—**Street, D. M.** Plexiglass arch supports. Air Surgeon Bull., 1945, **2**: 109.

—— Defect and disability.

See also next subheading.

HEIM, H., & WUNDERLICH, H. Fußschäden und Kriegstauglichkeit; wehrmachtärztliche Erfahrungen und praktische Richtlinien zur Behandlung. 58p. 24cm. Lpz., 1940. ALSO 2. Aufl. 58p. 24cm. Lpz., 1943.

RÜTHER, H. *Spätresultate der Klumpfussbehandlung hinsichtlich der Wehrfähigkeit. 19p. 21cm. Heidelb., 1939.

Baumann, E. Probleme der statischen Erkrankungen (mechanisch-biologisches Missverhältnis) im Militärdienst. Schweiz. med. Wschr., 1940, **70**: 709.—**Braun, G. S.** Pes cavus, bilateral; a case report. U. S. Nav. M. Bull., 1944, **43**: 346–8.—**Burnham, W. H.** Army foot disabilities. Mil. Surgeon, 1944, **95**: 20–4.—**Debrunner, H.** Die sogenannten statischen Beinbeschwerden und ihre Beurteilung im Militärdienst. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 62–72.—**Disabilities** of the foot. Bull. Army M. Dir., Lond., 1942, No. 13, 1–3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 19–21.—**Downgrading** for foot defects. Bull. Army M. Dep., Lond., 1943, No. 26, 7.—**Dredge, T. E.** Physical treatment of disabilities of the foot commonly encountered in military service. Arch. Phys. Ther., 1943, **24**: 653–9.—**Farrier, R. A., & Roberts, L. J.** Foot disabilities found in aviation personnel. Contact, Pensacola, 1943–44, **3**: 255–62.—**Ferciot, C. F.** Foot disabilities considered from a functional view, as related to military and civil life. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 220–4.—**Geckeler, E. O.** Disorders of the foot in relation to military service. Med. Clin. N. America, 1941, **25**: 1843–57.—**Grebe, H.** Ueber Fussfehler und Infanterietauglichkeit. Deut. Militärarzt, 1942, **7**: 392–4.—**Hale, T., jr.** The cause and prevention of weak feet. Mil. Surgeon, 1942, **90**: 518–35.—**Helferich, H.** Eine Hilfe bei schmerzhaftem Spreizfuss im Krieg und Frieden. Münch. med. Wschr., 1944, **91**: 470.—**Kendrick, R. E.** Congenital talipes equinovarus; treatment with the modified Denis Browne splint. U. S. Nav. M. Bull., 1949, **49**: 730–5.—**Salsbury, C. R.** The diagnosis and grading of foot disabilities in the recruit. J. Canad. M. Serv., 1944–45, **2**: 671–81.—**Scherb, R., Francillon,**

M. R., & Burckhardt, E. Fussbeschwerden im Militärdienst. Schweiz. med. Wschr., 1940, 70: 701–5.—Splithoff, C. A. Symptomatic weak feet in naval personnel. U. S. Nav. M. Bull., 1945, 44: 1045–7.—Stevenson, A. S. The management of disabilities of the feet in the Army. Med. Clin. N. America, 1943, 27: 1129–53.

—— Disease.

See also other subheadings; also **Cold injury, Immersion foot and trench foot.**

Harris, R. I., & Beath, T. Clinical investigation of soldiers' foot ailments. 19p. 28cm. Ottawa [?] 1944 [?]

Forms No. C–6068, Rep. Assoc. Com. Army M. Res. Nat. Res. Counc. Canada.

—— Army foot survey; an investigation of foot ailments in Canadian soldiers. 2 v. in 1. [v. p.] 28½cm. Ottawa, 1947.

Forms No. 1574, Rep. Nat. Res. Counc. Canada.

New, W. N., & Haynes, H. A., jr. Skin disorders of the feet; stress in relation to. v. 1 [34] l. 27cm. Camp Lejeune, 1945.

Forms Res. Proj. X–441, U. S Nav. M. Field Res. Laborat.

United States. Army. Surgeon-General's Office. Minor foot ailments; shoe fitting. 32p. 15½cm. Wash., 1918.

Armstrong, G. W. Foot problems in soldiers. Med. Press & Circ., Lond., 1943, 210: 103–6.—**Blancardi.** A propos des pieds de tranchées. Maroc méd., 1940, 20: 129–32.—**Clendening, L.** Navy foot trouble; good feet essential for our sailors, too. Chiropody Rec., 1941, 24: 71.—**Cold** feet. Lancet, Lond., 1942, 1: 47–9.—**Daniels, B. T., & Wilson, C. H.** A survey of foot complaints on road marches. Mil. Surgeon, 1945, 97: 306–12.—**Ferloni, A. V. J.** Patología y tratamientos para el pie del soldado de infantería. Rev. san. mil., B. Air., 1941, 40: 58; 134; 244.—**Foot** problems in the Army. J. Canad. M. Serv., 1945–46, 3: 434.—**Greeley, P. W.** Plastic repair of radiation ulcers of the sole. U. S. Nav. M. Bull., 1945, 45: 827–30.—**Greene, R.** The prophylaxis of trench foot. Brit. M. J., 1945, 1: 270.—**Grujić, M.** Novokainska blokada lumbalnog simpatikusa kod recidivirajuće gangrene stopala iza preboljelog pjegavca. Voj. san. pregl., Beogr., 1948, 5: 378–80.—**Harris, R. I.** Foot problems in the Army and out of it. Bull. Vancouver M. Ass., 1943–44, 20: 273–6. —— & **Beath, T.** Clinical investigation of soldiers' foot ailments. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 4, C. 6114, 1.—**Kark, W.** Foot strain in the services. J. R. Army M. Corps, 1944, 83: 166–71.—**Krotkov, F.** Potertosti. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 795–7.—**Lake, N. C.** Frost-bite and trench foot. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 530–47.—**MacKenzie, J.** Clinical investigation of soldiers' foot ailments. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 4, C. 6114, App. A, 1–5, 19 fig.—**Marwil, T. B., & Brantingham, C. R.** Foot problems of Women's Reserve. Hosp. Corps Q., 1943, 16: No. 4, 98–100.—**Niles, H. D., & Medina Romero, M. A.** Dermatitis producida por la piel del zapato. Rev. san. mil., Habana, 1940, 4: 118–23.—**Pieds** gelés et pieds macérés (pieds de tranchées, données cliniques et thérapeutiques) Maroc méd., 1940, 20: 120–2.—**Ragan, C., & Schecter, A. E.** Clinical observations on early trench foot. Med. Bull. Medit. Theater of Oper. U. S., 1945, 3: 260–4.—**Schmier, A. A.** The foot problem as seen in soldiers. Am. J. Surg., 1946, 72: 668–78.—**Wesson, A. S.** Foot strain. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 134–6.—**Witten, V. H., & Leider, M.** Minor pathologic conditions of the foot in Navy personnel. U. S Nav. M. Bull., 1943, 41: 764–8.—**Wood, H. L. C.** The foot problem in service cases. Proc. R. Soc. M., Lond., 1941–42, 35: 193–5.

—— Flatfoot.

Appleton, A. B. Flat-foot in the Army. Brit. M. J., 1941, 2: 355.—**Burkitt, R. T.** Flat-foot in recruits. Ibid., 1: 967.—**Cárdenas, M. de.** El pie plano por insuficiencia en los heridos de guerra. Rev. españ. med. cir. guerra, 1941, 6: 257–67. —— Der Plattfuss infolge Insuffizienz bei Kriegsverwundeten. Zbl. Chir., 1943, 70: 650 (Abstr.)—**Cuttle, T. D.** A method for evaluating the muscle balance in so-called flat foot in recruits for the Navy. U. S. Nav. M. Bull., 1943, 41: 216–9.—**Flatfoot.** Statist. Navy M., 1949, 5: No. 8, 6.—**Hipps, H. E., & Neely, H.** The injection treatment of flat feet. U. S. Nav. M. Bull., 1945, 44: 262–6.—**Piatt, A. D.** What is meant by degree of flat-foot? Mil. Surgeon, 1945, 97: 327–30.—**Sjövall, H.** [Flat-foot and its affections] Tskr. mil. hälsov., 1941, 66: 80–8.—**Todd, A. H.** The treatment of flat feet in recruits. Med. Press & Circ., Lond., 1941, 206: 130–6. —— The treatment of flat feet in recruits. Mod. Treat. Yearb., Lond., 1942, 8: 210–23.—**Vogl, A.** Zur Beurteilung von Senkfüssen bei der Truppe. Schweiz. med. Wschr., 1942, 72: 26.—**Zur Verth.** Dienstbeschädigung bei Plattfuss. Veröff. Heer. San., 1939, No. 108, 140–7, illust.

—— Hygiene.

See also **Epidermophytosis; Foot injury; Prisoner of war,** Disease.

Crisp, E. J. Physiotherapy and the soldier's foot. Proc. R. Soc. M., Lond., 1941–42, 35: 217–20.—**Csavoy, R. J., & Pavlette, N. B.** Care of feet in the field. Hosp. Corps Q., 1946, 19: No. 5, 15–9.—**Ferloni, A. V. J.** Protección del pie durante los distintos trabajos militares; correlaciones fisiopatológicas entre el pie, la media y el calzado del infante. Rev. san. mil., B. Air., 1944, 43: 643–74.—**Green, H. J.** The treatment of the soldier's foot. J. R. Army M. Corps, 1941, 77: 59.—**Helfet, A. J.** The treatment of the soldier's foot. Ibid., 76: 282–5.—**Krotkov, F. G.** Ukhod za nogami bojca. Voen. san. delo, 1941, No. 3, 39–44.—**Mathews, I. A.** Foot care in the Army. Chiropody Rec., 1943, 26: 12.—**Nickerson, W. J., jr, Irving, L., & Mehmert, H. E.** Effect of wearing sandals in reducing foot infections. Air Surgeon Bull., 1945, 2: 120.—**Pemberton, P. A.** The care of soldier's feet. Arch. Phys. M., 1945, 26: 282–9. Also Bull. U. S. Army M. Dep., 1945, No. 84, 110–7. Also J. Nat. Ass. Chiropod., 1946, 36: No. 12, 7–15.—**Rostrup, O.** Inspection and treatment of soldiers' feet. Canad. M. Ass. J., 1942, 47: 323–6.—**Schuster, O. N.** Keeping the Marines on their toes. Chiropody Rec., 1943, 26: 23–8.—**Shangold, J.** Foot care for your crew. Hosp. Corps Q., 1946, 19: 9–11.

—— Mycosis.

See also **Epidermophytosis.**

Ajello, L., Keeney, E. L., & Broyles, E. N. Observations on the incidence of Tinea pedis in a group of men entering military life. Bull. Johns Hopkins Hosp., 1945, 77: 440–7.—**Atsatt, R. F.** A simple procedure for the control of fungus infection of the feet. U. S. Nav. M. Bull., 1943, 41: 1450.—**Dolce, F. A.** Mycotic infections of the feet among soldiers. Mil. Surgeon, 1945, 97: 152–4.—**Glauser, F.** Management of fungus infection of the feet. U. S. Nav. M. Bull., 1944, 43: 525.—**Hoechstetter, S.** Fungus infection of the feet treated by copper iontophoresis. Mil. Surgeon, 1940, 87: 50–3.—**Jayaram, D.** Fungus disease of the foot. J. Ind. Army M. Corps, 1949, 5: 40–4.—**Knox, S. C.** An improvised field method of management of fungus infections of the feet. U. S. Nav. M. Bull., 1943, 41: 1746.—**Matthews, J. D.** An investigation of fect in Trentham Military Camp with special reference to fungus infection. J. R. Army M. Corps, 1946, 86: 243–8.—**Sulzberger, M. B., & Kanof, A.** Comparative evaluation of preparations for the prophylaxis and treatment of fungous infections of feet. U. S. Nav. M. Bull., 1946, 46: 822–33.—**Twining, H. E., Dixon, H. M., & Weidman, F. D.** Penicillin in treatment of Madura foot; report of two cases. Ibid., 417–29.

—— painful.

Billig, H. E., jr, & Brennan, R. L. Foot pains. Mil. Surgeon, 1943, 92: 539–42.—**Cozen, L. N.** The treatment of painful feet in the Army. Ibid., 1942, 91: 196–8.—**Frankel, C. J., & Funsten, R. V.** Painful feet. Ibid., 1941, 89: 786–9. Also War Med. Sympos., N. Y., 1942, 495–9.—**Jens, J. M. J.** Notes on the painful foot. J. R. Nav. M. Serv., 1943, 29: 90–6.—**Krenzer, W.** Funktionelle Therapie bei Fuss- und Beinbeschwerden. Deut. Militärarzt, 1942, 7: 46–9.—**Latta, R. M.** Painful feet. J. R. Nav. M. Serv., 1943, 29: 182–4.—**Sidler, A.** Ueber die Beurteilung der Fussbeschwerden beim Soldaten. Praxis, Bern, 1943, 32: 103–7.

FOOT and mouth disease.

See also **Epizootic.**

Criscuolo, E., & Itoiz, J. E. Sobre un caso de fiebre aftosa a forma confluente y con localización genital. Rev. san. mil., B. Air., 1938, 37: 1020–31.—**Huebner, R. A.** Foot & mouth disease. Med. Bull. U. S. Chief Surg., Europ. Theater, 1946, 1: No. 4, 59–65.—**Rushmore, R. W.** Waldmann vaccine for foot-and-mouth disease in liberated Italy, 1944. Bull. U. S. Army M. Dep., 1945, No. 89, 94–7. Also Med. Bull. Medit. Theater of Oper. U. S., 1945, 3: 126–8.

FOOT bath.

See under **Bath.**

FOOTBRACE.

See also under **Brace; Shoe.**

Drop foot brace. Bull. U. S. Army M. Dep., 1945, No. 86, 28.—**New** type foot drop brace. Ibid., 1946, 5: 493.

FOOT injury.

See also **Fracture; Injury.**

Augusztin, V. Lábtőficam, mint lövegkerék-gázolástól eredő tipusos sérülés. Honvédorvos, 1950, 2: 100, illust.—**Epstein, G. J., & Kazakov, M. M.** Vyvikhi v sustavakh stopy pri ognestrelnykh povrezdenijakh. In: Opyt sovet. med. v Velik. otech. vojne, Moskva, 1950, 18: 285–91. —— & **Ermolaev, S. E.** Ognestrelnye ranenija i povrezdenija stopy;

obščaja čast. Ibid., 238–69.—**Epstein, G. J., & Lurje, J. I.** Vosstanovitelnaja khirurgia i protezno-ortopedičeskaja pomošč pri posledstvijakh ognestrelnykh povreždenij stopy. Ibid., 330–46, 3 pl.—**Hamm, W. G., & Hardy, S. B.** Repair of soft tissue defects of the foot. U. S. Nav. M. Bull., 1947, **47**: 263–71.—**Holdsworth, F. W.** Wounds of the foot. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 453–64; 2. ed., Balt., 1942. 2: 734–45.—**Katz, I.** Some new problems of foot injuries in war casualties. Clin. J. Chiropody, 1941–43, **12**: 231.—**Kaverin, A. A., & Epstein, G. J.** Oslożnenija pri ognestrelnykh povreždenijakh stopy. In: Opyt sovet. med. v Velik. otečest. vojne, Moskva, 1950, **18**: 310–29, 3 pl.—**Kazakov, M. M.** Ograničennye povreždenija stopy bez perelomov kostej. Ibid., 270–3. ——— Obširnye povreždenija bez perelomov kostej stopy. Ibid., 292–4.—**Milne, R.** Wounds of the tarsal joints. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 712.

FORAGE.

Bernardino da Costa, M. Campanha do feno como esforço de guerra da veterinaria militar. Rev. mil. remonta vet., Rio, 1943–44, **6**: No. 45, 6–13.—**Bruno da Silva, B.** O problema da alimentação dos solípedes do Exército. Ibid., 69–94.—**Correa de Sampaio, B.** Conservação de forrageiras. Ibid., 95–104.—**Costa Guerra, J. da.** Contribuição a solução do problema da leguminosa forrageira no Brasil. Ibid., 46–66.—**Dilmen, S.** Yeşil ot hastalığı ve yemlerle zehirlenmeler [Green grass disease and auto-intoxication by feeds] Askeri vet. mecmuası, 1948, **26**: 12–20.—**Moon, F. E.** Grassland research and animal nutrition. J. R. Army Vet. Corps, 1941–42, **13**: 10–21.—**Ramos de Otero, J.** Em pról da campanha do feno. Rev. mil. remonta vet., Rio, 1943–44, **6**: No. 45, 15–32.—**Robertson, A. I.** The suitability of Shakapara biscuit as a food for Army animals. J. R. Army Vet. Corps, 1945–46, **17**: 109.—**Silva, H. M.** Produção de feno no Brasil. Rev. mil. remonta vet., Rio, 1943–44, **6**: No. 45, 105–13.—**Souza Vieira, M.** A campanha do feno. Ibid., 33–44.—**Telles Netto.** O problema da alimentação dos rebanhos nordestinos. Ibid., 115–20.

FORCEPS.

See under **Instrument.**

FOREARM.

See also **Extremity injury,** upper; **Fracture.**

Coode, C. D. Congenital radio-ulnar synostosis. J. R. Nav. M. Serv., 1946, **32**: 166–8.—**Device** for rotatory movements of the forearm. Bull. U. S. Army M. Dep., 1945, No. 87, 25.—**Shepherd, J. A.** Volkmann's ischaemic contracture in association with vasoconstrictive shock. J. R. Nav. M. Serv., 1943, **29**: 62–4.

FOREIGN body.

See also **Digestive system,** Foreign body; **Eye injury,** Foreign body, intraocular; **Injury; Projectile,** Extraction.

Blümel, P. Fremdkörpergranulom durch Wildlederhandschuh. Deut. Militärarzt, 1943, **8**: 341–4.—**Gindin, E., & Lichtenstein, E.** Inorodnye tela (corpora aliena) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 926–39, 2 pl.—**Graham, R. V.** Foreign bodies in relation to war wounds. Med. J. Australia, 1943, **1**: 117–9 [Discussion] 126.—**Khilov, K. I.** Inorodnye tela lororganov. In: Opyt sovet. med. v Velik. otečest. vojne, Moskva, 1950, **8**: 47–67, 2 pl.—**Kolosovskaya, V. F.** Ob inorodnykh telakh. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 17–39.—**Mitropolsky, N. K.** Inorodnye tela voennogo vremeni. Med. sestra, Moskva, 1945, 7–9.—**Sik, J. L.** Bennrekedt, vakon végződő sebcsatornába került idegentestek vándorlása. Honvédorvos, 1950, **2**: 301 (Abstr.)—**Tikhomirova, G. I.** K voprosu o lečenii oslożnennykh inorodnykh tel piščevoda sulfamidnymi preparatami. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 91–4.

—— Extraction.

See also other subdivisions; also **Projectile,** Extraction.

Bogamin, D. J. K metodike udalenija inorodnykh tel iz miagkikh tkanej v častnosti iz jagodicy. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 81–4.—**Case, J. T.** Localization and extraction of foreign bodies under X-ray control. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 214–64, 2 pl.—**Cole, L. G.** Foreign body localization and extraction; description of a method more accurate than that used by the Army. Am. J. Surg., 1943, **60**: 3–12.—**Dalltsch, W. W.** Needlc fragments; a method of removal. U. S. Nav. M. Bull., 1945, **44**: 852–6.—**Desplas, B., & Chevalier, D.** Statistique d'extractions de corps étrangers au compas de Hirtz dans une ambulance fixe de première ligne. J. radiol. électr., 1916, **2**: 409. Also Lyon chir., 1916, **13**: 565–71.—**Faivishenko, E. L., & Nikolsky, V. V.** Ob inorodnykh telakh, slučajno ostavljaemykh v ranevykh polostjakh pri operacijakh i perevjazkakh. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 550–4.—**Fernández Ruiz, C.** Extracción de pequeños cuerpos extraños de los miembros bajo pantalla de rayos X; método de elección. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 111–4. Also Rev. españ. med. cir. guerra, 1941, **7**: 229–33.—**Flerovsky, A. Y.** K voprosu ob udalenii inorodnykh tel elektromagnitom. Voen. san. delo, 1940, No. 5, 102.—**Ivanov, I. K.** Metody podvedenija igly pod kontrolem rentgenovykh lučej k inorodnym telam v mjagkikh tkanjakh. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 84–7.—**Klugman, G. A.** Rol fistulografii pri operacii udalenija inorodnykh tel. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 246–8.—**Ochkin, A. D.** Izvlečenie metalličeskikh inorodnykh tel iz tkanej čelovečeskogo organizma pri pomošči radioščupa. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 73–6.—**Patterson, J. K.** A field method for removal of foreign bodies. U. S. Nav. M. Bull., 1943, **41**: 1133.—**Santos, C. L.** Radio-surgery in the extraction of foreign bodies. Bull. War M., Lond., 1941–42, **2**: 487 (Abstr.)—**Sokolov, V. V.** Primenenie elektrokhirurgičeskogo magnita dlja udalenija inorodnykh tel. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 256–60.—**Strogy, M. A.** Udalenie inorodnykh tel pod kontrolem rentgenovskikh lučej. Voen. san. delo, 1940, No. 5, 104.—**Zuppinger, A.** Richtlinien für die Fremdkörper-Lokalisation und -Entfernung bei Kriegsverletzungen. Schweiz. med. Wschr., 1941, **71**: 716–9.

—— gunshot.

See also **Injury,** gunshot; also **Projectile,** Extraction.

Epstein, G. J., & Kazakov, M. M. Inorodnye tela posle ognestrelnykh povreždenij stopy. In: Opyt sovet. med. v Velik. otečest. vojne, Moskva, 1950, **18**: 305–9, 4 pl.—**Kirschner, M.** Injuries with retained missiles; development, course and diagnosis. War Med., Chic., 1942, **2**: 1008–11 (Abstr.) Also Bull. War M., Lond., 1942–43, **3**: 366–8 (Abstr.)—**Marwedel, G.** Das steckengebliebene Geschoss. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 138–54.—**Mortar** shell in the arm. Lancet, Lond., 1943, **1**: 711.—**Ramstedt.** Primary care of gunshot wounds with special reference to foreign bodies. War Med., Chic., 1943, **3**: 659 (Abstr.)—**Sauerbruch, F.** Steckgeschosse in Herz und Lunge. Bull. War M., Lond., 1942–43, **3**: 81 (Abstr.)—**Schröder, C. H.** Beobachtungen beim Steckschuss. Deut. Militärarzt, 1941, **6**: 194–204.—**Seidl, A.** Steckschüsse (Fremdkörper) und ihre Behandlung. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 200–37.—**Sik, J. L.** A bennrekedt, vak sebcsatornába került idegentestek vándorlása. Honvédorvos, 1950, **2**: 367 (Abstr.)—**Smirnov, E. V.** Inorodnye tela legkikh i plevry ognestrelnogo proiskhoždenija. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 242–53.—**Stehr, L.** Die Steckschuss-Verletzung. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 110–43.—**Stevenson, W. F.** Bullets and other missiles lodged in the tissues. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 273.—**Teneff, S.** Ritenzione dei proiettili. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 158–76.

—— Localization.

See also subdivision (Extraction) also **Injury.**

Ludwig, G. D., & Struthers, F. W. Considerations underlying the use of ultrasound to detect gallstones and foreign bodies in tissue. 27p. 27cm. Bethesda, 1949.

Forms Rep. No. 4, Proj. NM 004 001, U. S. Nav. M. Res. Inst.

Abreu, M. de. Radiologia dos corpos estranhos na guerra. Rev. med. cir. Brasil, 1942, **50**: 737–53.—**Anderson, C. W., & Friedman, J.** Fluoroscopic foreign body localization. Bull. U. S. Army M. Dep., 1946, **6**: 472–6.—**Carney, H. J.** Foreign body detector and localizer (Carney) Med. Bull. North Afr. Theater of Oper. U. S., 1944, **2**: 124–8.—**De Lorimier, A. A.** Foreign body localization as provided with the United States Army table unit. Am. J. Roentg., 1942, **47**: 307–13.—**Drummond, D. H.** The calculation of the position of radio-opaque bodies. Mil. Surgeon, 1941, **89**: 212–4.—**Dyes, O.** Tiefenbestimmung an Fremdkörpern. Deut. Militärarzt, 1940, **5**: 472–8.—**Edling, L.** [Roentgen localization of foreign bodies in emergencies of war] Nord. med., 1940, **6**: 875–83.—**Emelianov, N., & Kolbasov, V.** Elektrozona dlja obnaruženija metalličeskikh inorodnykh tel v organizme. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 77–9. ——— [Electric detector for foreign bodies] Voen. san. delo, 1943, 80–2.—**Fründ, H.** Die einfachste Methode der Fremdkörper-Lagebestimmung. Deut. Militärarzt, 1940, **5**: 413–5.—**Gallouin, L., & Musy, E.** La localisation radiologique des corps étrangers; son importance pour la médecine de l'air. Méd. aéronaut., 1947, **2**: 108–17.—**Geometric** proof for foreign body localization procedure. Bull. U. S. Army M. Dep., 1945, **4**: 54.—**Gerber, M. L.** An aid to foreign body localization. U. S. Nav. M. Bull., 1944, **43**: 363–5.—**Gilson, W. E., & Erickson, T. C.** A new surgeon's metal locator. Mil. Surgeon, 1945, **97**: 508–12.—**Gilkin, M. I.** O taktike i metodakh rentgenologičeskogo opredelenija lokalizacii inorodnykh tel pri ognestrelnykh ranenijakh. In: Sborn. nauch. rabot lcch. ognest. ran.

& otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 46–64.—**Gurau, H. H.** Foreign body localization. Bull. U. S. Army M. Dep., 1947, 7: 239.—**Havkin, L. S.** [Determination of localization of foreign bodies by means of a screen] Voen. san. delo, 1941, No. 8, 40–4.—**Heisig, W.** Lokalisation von Fremdkörpern durch Doppelaufnahmen; unter besonderer Berücksichtigung eines Falles von Steckschuss im Bereich der Lungenspitze. Deut. Militärarzt, 1943, 8: 449–51.—**Hodges, P. C., & Morgan, R. H.** United States Army fluoroscope for foreign body localization. Army M. Bull., 1942, No. 64, 87–97.—**Hodgson, N., & Ramage, D.** Localization of foreign bodies by X-rays. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 70–4; 2. ed., Balt., 1942, 1: 85–9.—**Imler, A. E.** Simple technique for foreign body localization. Bull. U. S. Army M. Dep., 1944, No. 82, 121.—**Kärsten, W.** Der Metallsucher für die Kriegschirurgie. Fortsch. Med., 1941, 59: 233.—**Keuten, F.** Das Fremdkörpersuchgerät Boloskop bei 100 Geschoss- und Granatsplitteroperationen. Deut. Militärarzt, 1943, 8: 5–10.—**Keves, E. L.** A mellkasi szervekben rekedt lövési eredetű idegentestek röntgenvizsgálata. Honvédorvos, 1950, 2: 364–7.—**Ledoux, A. C.** Foreign body localization using sources of light for orientation. Bull. U. S. Army M. Dep., 1946, 5: 479.—**Lichtenstein, E.** Rentgenodiagnostika inorodnykh tel. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 931–8.—**Mackta, L.** An adaptor for fluoroscopic depth localization. Mil. Surgeon, 1943, 93: 372–5.—**Metallsucher.** Deut. Militärarzt, 1942, 7: 414.—**Moore, J. J., & Loehr, W. M.** Roentgenographic method for localization of foreign bodies. Bull. U. S. Army M. Dep., 1945, No. 88, 104–11,—**Oberdalhoff, H.** New apparatus for detecting metallic foreign bodies in human beings. War Med., Chic., 1943, 3: 219 (Abstr.)—**Plaats, G. J. van der.** Lokalisierung metallischer Fremdkörper mittels des Boloskops, und dessen Bedeutung für die Kriegschirurgie. Klin. Wschr., 1940, 19: 1208–11.—**Schlaaff, J.** Boloskop, Metallsucher oder Stereogrammetrie? Deut. Militärarzt, 1942, 7: 191–6.—**Schütz, H.** Fremdkörpersuche und Röntgendurchleuchtung. Ibid., 1944, 9: 238–41.—**Solans, López, L.** Los rayos roentgen en la localización de los cuerpos extraños. Med. & cir. guerra, 1946, 8: No. 15, 47–59.—**Weisburg, S. I.** K metodike rentgenologičeskoj lokalizacii inorodnykh tel v mežlopatočnoj oblasti. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 79.

FOREIGN legion.

Bonnette. La Légion étrangère, 1831–1931; ses prouesses; ses maladies; ses médecins. Méd. internat., Par., 1934, 42: 181; passim.

FOREIGN service.

See also under such terms as **Arctic service; Expeditionary Forces; Tropical service;** also under names of various wars and campaigns.

United States. War Department. Technical bulletin TB MED 180: Medical procedures to be followed at reception stations or other designated facilities for military personnel returning from foreign duty. 2p. 26cm. Wash., 1945.

Burdon, J. F. Foreign service neurosis. J. Ment. Sc., Lond., 1944, 90: 746–52.—**Fox, H. M.** Neurotic resentment and dependence overseas. Psychiatry, Balt., 1945, 8: 131–8.—**Menninger, W. C.** Stresses most frequently encountered in overseas noncombat duties. In his Psychiat. in a Troubled World, N. Y., 1948, 68–72.—**Preparation** for overseas movement. Bull. U. S. Army M. Dep., 1944, No. 72, 15–20.—**Wyman, A. E.** "Home" contacts with our troops on foreign duty. Red Cross Courier, Wash., 1927, 6: No. 15, 6–8.

FORENSIC medicine.

See also **Court-martial; Discipline;** also the forensic aspect of such topics as **Alcoholism; Dentistry; Neurosis; Psychiatry; Psychosis; Radiodiagnostics; Tuberculosis; War neurosis; War psychosis.**

Carvaglio, E. Medicina legale militare. 2. ed. v.2. 599p. 24cm. Milano, 1942.

Beltrán, J. R. La pericia medicolegal en la justicia militar. Rev. crim., B. Air., 1932, 19: 625.—**Bleuler, M.** Militärarzt und Arrestant. Vjschr. schweiz. Sanitätsoff., 1936, 13: 71–5.—**Coulter, J. L. S.** A medico-legal appointment. J. R. Nav. M. Serv., 1948, 34: 131–45.—**Felsani, G.** Statistica dell'attività del Collegio medico legale nell'anno 1948. Gior. med. mil., 1949, 96: 478–85.—**Grayfer, G. R.** Individualnaja ocenka v praktike vračebno-letnoj ekspertizy. Voen. med. J., Moskva, 1946, No. 12, 39–45.—**Heinemann-Grüder, C.** Nachuntersuchungen. In his Arzt i. d. Wehrmachtversorg., 2. Aufl., Dresd., 1944, 380–2.—**Jáuregui, R. B.** El informe médico legal militar. Rev. san. mil., B. Air., 1946, 45: 565–607.—**Norme** procedurali riguardanti l'istruttoria delle pratiche medico-legali per accertamenti di ferite, lesioni, infermità nel personale aeronautico militare (conferenza) Riv. med. aeronaut., 1938, 1: 136–47.

—— Casuistics.

Avendaño, L., & Alarco, G. Medicina legal militar; informe sobre montepio. Crón. méd., Lima, 1908, 25: 1–7.—**Carvaglio, E.** La debolezza di costituzione grave, trascorso il periodo della rivedibilità. In his Med. leg. mil., 2. ed., Milano, 1942, 2: 12–25. ——— Il diabete zuccherino; le alterazioni del ricambio organico gravi e permanenti accertate in un ospedale militare. Ibid., 43–60. ——— Le gravi sindromi dipendenti da alterata funzione endocrina accertate in un ospedale militare. Ibid., 60–96. ——— La tubercolosi polmonare ed extra-polmonare medica e chirurgica, accertata in ospedale. Ibid., 118–55. ——— Le emopatie gravi, accertate in un ospedale militare. Ibid., 165–92. ——— Le malattie organiche del sistema nervoso centrale e periferico ed i loro esiti gravi e bene manifesti (paralisi, paresi, distrofie muscolari, contratiure, ecc.) Ibid., 221–58. ——— La nevrastenia costituzionale e l'isterismo grave ed associato ad evidenti gravi anomalie del carattere, previa osservazione in ospedale. Ibid., 273–86. ——— L'epilessia, nelle sue varie forme, accertata con osservazione in un ospedale militare. Ibid., 286–300. ——— Le malattie mentali e le sindromi psicosiche; le inversioni sessuali e gli altri pervertimenti degli istinti, rigorosamente accertati, previa osservazione in un ospedale militare, e quando siano espressione di vero e stabile turbamento dell'ordine mentale. Ibid., 300–31. ——— Tutte le malattie croniche ed i gravi esiti di affezioni morbose acute dei polmoni, dei bronchi e delle pleure, accertate in un ospedale militare. Ibid., 389–413. ——— I vizi valvolari organici del cuore; le malattie dell'endocardio, del miocardio e del pericardio, riuscite ad esiti insanabili di qualsiasi grado. Ibid., 415–33. ——— Le infiammazioni croniche del parenchima renale e le altre malattie croniche dei reni e gli esiti di affezioni acute, previa osservazione in un ospedale militare. Ibid., 469–90.—**Felsani, G.** Massimario di casistica e determinazioni di medicina legale militare. Gior. med. mil., 1949, 96: 402; 608.

—— Causality question.

Benn, G. Fragen der ärztlichen Beurteilung und Begutachtung; die Zusammenhangsfrage. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 93–102.—**Fiandaca, S.** La dipendenza da causa di servizio nella medicina legale militare. Zacchia, 1943, 8: 8–26.—**Giarrusso, G.** La causalità di servizio in medicina legale militare. Gior. med. mil., 1932, 80: 852–8.—**Jacobi.** Grundlagen und Erfahrungen auf dem Gebiete der WDB.-Frage. Münch. med. Wschr., 1941, 88: 1365.—**Zaffiro, A.** Causa unica diretta ed immediata concausa preponderante e necessaria di servizio nella medicina legale militare. Gior. med. mil., 1940, 88: 85–90.

—— Organization.

Mirra, G. Raccolta di norma e disposizioni concernenti il servizio medico-legale nella R. Marina. p.433–554. 24cm. Roma, 1945.
In: Ann. med. nav., Roma, 1945, 50: 433–554.

Abia Zurita, J. La medicina legal en el Código penal de la Marina de guerra. Rev. med. leg., Madr., 1949, 4: 351–5.—**Martins, A.** Presidiários, presidios, conselho penitenciário e membros médicos. An. Hosp. centr. exerc., Rio, 1941, 6: 239–47.—**Montojo Burguero, L.** Necesidad de que existan en cada una de las jurisdicciones militares médicos de los respectivos ejércitos especializados en medicina legal. Rev. med. leg., Madr., 1949, 4: 341–50.—**Przeworski, J.** O medycynie sądowej i lekarzach biegłych w sądownictwie wojskowem. Lek. wojsk., 1920, 1: No. 29, 1–6.

—— Problems.

See also subheading (Causality question)

Consiglio. Su alcuni problemi di medicina legale di guerra. Zacchia, Roma, 1923, 2: 18–23.—**Rühe, E.** Duldungspflicht. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 374–80.—**Schlosser, M.** Fragen der ärztlichen Beurteilung und Begutachtung; α. charakteristische WDB.-Vorkommen in der Kriegsmarine. Ibid., 107–16.—**Sgarbi, G.** Di alcune questioni molto importanti di costituzionalistica attinenti alla medicina legale militare. Ann. med. nav., Roma, 1930, 36: 50–84; pt 2, 399–423.—**Stritzler, C.** Line of duty. Mil. Surgeon, 1944, 94: 286–92.

FORMOSA.

See several subheadings under **Wars and campaigns.**

FORMULARY.

See also **Pharmacopoeia.**

France. Ministère de la guerre. Service de santé. Formulaire pharmaceutique des

hôpitaux militaires. 384p. 21½cm. Par., 1908.

Great Britain. Ministry of Health. National War Formulary Committee. National war formulary. 71p. 16½cm. Lond., 1942. Also 2. ed. 76p. 17cm. Lond., 1944. Also 3. ed. 88p. 16cm. Lond., 1947. Also 3. ed. [revised] 88p. 16½cm. Lond., 1949.

Bergounioux, J. Le formulaire des hôpitaux militaires égyptiens en 1840. Bull. Soc. hist. pharm., Par., 1919, 24–30.—**Changes** in the National War Formulary. Brit. M. J., 1942, 1: Suppl., 25–7.—**Heathcote, R. St A.** National War Formulary, 1941. Practitioner, Lond., 1942, **148**: 101–4.—**Leak, W. N.** National War Formulary. Brit. M. J., 1941, 2: 788.—**National** War Formulary. Bull. War M., Lond., 1941–42, 2: 228 (Abstr.) Also Brit. M. J., 1947, 2: 225.—**Quinn, D. E., & Lazar, H.** The hospital formulary. Med. Bull. Veterans Admin., 1942–43, **19**: 435–9.—**Wartime** prescribing; the National War Formulary. J. Am. M. Ass., 1942, **118**: 551.—**Wartime** prescribing; scope of National War Formulary. Brit. M. J., 1941, 2: 662.

FORT Bragg fever.

Fort Bragg fever and other short fevers in the chimpanzee. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 119.—**Tatlock, H.** Studies on a virus from a patient with Fort Bragg fever (pretibial fever) J. Clin. Invest., 1947, **26**: 287–97.

FORT Churchill experiment (1946–48)

See also **Cold environment; Operation,** arctic.

Blair, J. R., Urbush, F. W., & Reed, I. T. Preliminary observations on physiological, nutritional, and psychological problems in extreme cold, Fort Churchill, Canada (winter, 1946–1947) Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 8, 1–40, 4 pl.—**Molnar, G. W., Blair, J. R.** [et al.] Studies of physiological problems under field conditions in extreme cold, Fort Churchill, Manitoba, Canada, winter 1947–48. Ibid., App. D., Proj. 3, No. 11, 1.

FORTIFICATION.

See also **Defense.**

Akodus, J. Krepost. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 99–104.—**Grisham, V. I., & Shvorin, B. I.** [Organization of medical work in construction projects in fortified areas] Sovet. med., 1942, **6**: No. 8, 27–9.—**Osipenko, K.** DZOT. (derevo-zemljanaja ognevaja točka) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 458. ——— DOT (dolgovremennaja ognevaja točka) Ibid., **2**: 573–5.

FOWL plague.

See under **Epizootic.**

FRACTURE.

See also **Crutch walking; Fat embolism; Injury**—by organs and regions: Bones; **March fracture; Orthopedics; Surgical technic,** Fracture.

Hanyūda, K., & Takikawa, K. Sensyō kossetu. [War fractures] p. 665–741. 25½cm. Tokyo, 1942.

Nippon seikeigeka gakkai zassi, 1942–43, **17**:

Porto, E. M. Plano de organisação para a assistencia aos fraturados na guerra. 20p. 23½cm. Rio, 1938.

Alvargonzález, L. Nuestra experiencia en las fracturas de guerra. Cir. ap. locomotor, Madr., 1944, **1**: 337–61, illust.—**Buxton, St J. D.** The fracture problem in war time. Practitioner, Lond., 1941, **146**: 311–6.—**Carerj, L.** Sulle fratture di guerra. Boll. Soc. piemont. chir., 1940, **10**: 166–85.—**Coventry, M. B., & Macey, H. B.** Wartime fractures in the Navy. U. S. Nav. M. Bull., 1944, **42**: 34–7.—**Coyle, J. T., & Thompson, W. D., jr.** Fractures in battle casualties. Bull. U. S. Army M. Dep., 1945, No. 86, 57–63.—**Darrach, W.** Fractures sustained in war. Am. J. Surg., 1942, **56**: 341. Also War Med. Sympos., N. Y., 1942, 322–4.—**Díez Rodríguez, D. F.** Meditaciones sobre las fracturas de guerra. Rev. españ. med. cir. guerra, 1940, **4**: 401–9, illust.—**Fracture,** simple. Statist. Navy M., 1948, **4**: No. 6, 2–4.—**Kaplan, A., & Andreev, F.** Perelomy kostej (fractura ossis) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 426–38.—**Nordentoft, J. M.** Some cases of soldier's fracture. Acta radiol., Stockh., 1940, **21**: 615–21.—**Schröder, F.** Beitrag zur Kenntnis der schleichenden Frakturen. Deut. Militärarzt, 1940, **5**: 491.—**Simple** fractures in bad position. Bull. Army M. Dep., Lond., 1943, No. 29, 8.

—— Apparatus and instruments.

See also **Fracture table; Orthopedics,** Apparatus; **Splint.**

Bond, B. J. Small type skeletal traction apparatus. U. S. Nav. M. Bull., 1946, **46**: 124–6.—**Cashman, W. M.** The Haynes external fixation splint in the treatment of lower extremity fractures. Ibid., 1945, **44**: 257–61.—**Clark, T. H.** Bed frame & litter for handling fracture of the spine. Air Surgeon Bull., 1944, **1**: No. 9, 21.—**Donehue, F. M.** Combined stretcher and treatment bed for transportation of pelvic and spinal injuries. U. S. Nav. M. Bull., 1946, **46**: 444–6.—**Faber, K.** Ein neuer Schraubenzugapparat für das Bein. Deut. Militärarzt, 1941, **6**: 74.—**Fitzgerald, F. P.** The use of Cramer wire. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 643–53.—**Graeme, M. L.** A walking caliper for Pott's fracture. J. R. Nav. M. Serv., 1946, **32**: 285.—**Grizaud.** Appareil de visée pour ostéodèse par broches ou boulons, de construction facile (en campagne) Afrique fr. chir., 1944, 2: 74–7.—**Gunther, W. A., & Holzer, N. T.** An apparatus for the reduction of fractures of the wrist and forearm. U. S. Nav. M. Bull., 1946, **46**: 1760–3.—**Hand, W. F.** Device for use in transverse fractures of the patella. Ibid., **42**: 1182.—**Hoffmann, R.** Tuteur à rotules et fractures de guerre. Rev. chir., Par., 1940, **78**: 140–53.—**Ivankovich, V. A.** [An apparatus for reposition and fixation in fractures of the femur and lower leg] Voen. san. delo, 1942, No. 7, 61–7.—**Kaganovich-Dvorkin, A. L.** [An apparatus for operative treatment and fixation of the lower extremity with uniform extension] Ibid., 58–61.—**Krömer, K.** Eine neue Extensions-Transportschiene für Oberschenkel-, Knie- und Unterschenkelschussbrüche. Deut. Militärarzt, 1943, **8**: 661–3.—**Lawson, J.** A device to replace the walking iron in plaster cases. J. R. Army M. Corps, 1943, **81**: 39.—**Moore, M.,** jr. Improvised metal pins for skeletal transfixion. U. S. Nav. M. Bull., 1944, **43**: 1036.—**Portable** lightweight fracture frame. Bull. U. S. Army M. Dep., 1945, No. 85, 32.—**Regnault, J.** Appareils de marche avec étrier de décharge pour fractures et lésions diverses du membre inférieur chez l'homme; application possible en chirurgie vétérinaire. Rev. path. comp., Par., 1917, **17**: 33–7. ——— La guerre et les appareils de marche pour fractures du membre inférieur. J. prat., Par., 1940, **54**: 51–4.—**Ribble, G. B. T.** Elastic traction device for the Thomas and similar metal splints. U. S. Nav. M. Bull., 1945, **45**: 170.—**Saypol, G. M.** A splint for the treatment of fractured fingers requiring traction. Mil. Surgeon, 1944, **95**: 226–8.—**Silver, C. M., & Rusbridge, H. W.** Calibrated bone-holding clamp. Bull. U. S. Army M. Dep., 1944, No. 77, 119. ——— Traction apparatus for fractures of femur. Ibid., 1946, **6**: 196.—**Walsh, W. E., & Stubenbord, J. G.** Buck's extension apparatus; support for pulley in traction. Hosp. Corps Q., 1949, **22**: 35.—**Weissberg, J. L.** An improvised traction frame. Med. Bull. North Afr. Theater of Oper. U. S., 1944, **1**: No. 5, 34.—**Woolfrey, H. J., Willard, D. H.** [et al.] Molded plaster slabs. Hosp. Corps Q., 1947, **20**: 12–4.

—— compound.

Arnulf, Ferrand & Boquet. De l'emploi de la pénicilline dans les ostéosynthèses pour fracture ouverte des membres. Réun. méd. chir. Armée fr., 1946 num. spéc., 123–9.—**Bugyi, I.** Ein zweizeitiger Behandlungsweg offener Frakturen. Bull. War M., Lond., 1942–43, **3**: 505 (Abstr.)—**Cherry, J. H.** Treatment of compound fractures in World War II. South. M. & S., 1947, **109**: 148–51.—**Compere, E. L.** The treatment of compound fractures in the war injured. Surg. Clin. N. America, 1943, **23**: 205–10.—**Davidson, W. D.** The treatment of compound fractures. Mil. Surgeon, 1942, **91**: 688–91.—**Deibert, I. E.** The treatment of compound fractures in war time. J. M. Soc. N. Jersey, 1943, **40**: 12–4.—**Grenade, A. H.** Résultats du traitement des fractures ouvertes du temps de guerre. Acta chir. belg., 1947, 85–108.—**Hendry, R. W.** Early closure of compound fractures. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 10–5.—**Livingston, S. K.** Results in compound fractures with osteomyelitis as experienced by the Veterans Administration over the past 20 years. Surg. Gyn. Obst., 1942, **74**: 546–8.—**Lyon, W. F.** Compound fractures. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 53–9.—**MacFarlane, J. A.** Compound fractures in war 1944. Lancet, Lond., 1945, **1**: 135–8.—**Mensor, M. C.** Treatment of compound fractures and osteomyelitis from war wounds, with moving picture demonstration. Bull. Am. Coll. Surgeons, 1943, **28**: 133.—**Milne, R., & Bailey, H.** Compound fractures of individual bones. In: Surg. Mod. Warfare (Bailey, R.) 2. ed., Balt., 1942, 2: 662–7.—**Nakamura, A.** Zyūtoku-naru hukuzatu kossetu kansensō no syoti ni tuite [Management of seriously-infected wounds due to compound fractures] Gun idan zassi, 1938, No. 303, 945.—**Newell, E. D.** The treatment of compound fractures under war conditions. J. Tennessee M. Ass., 1942, **35**: 304–8.—**Nicholson, J. T., Ferguson, L. K.** [et al.] Treatment of compound fractures aboard a hospital ship. U. S. Nav. M. Bull., 1944, **42**: 607–22.—**Pugh, H. L.** Compound fractures. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 39–53.—**Romney, H.** Tratamiento de las fracturas abiertas de guerra. San. & benef. mun., Habana, 1942–43, 2: 225–32.—**Scudder, C. L., Kennedy, R. H.** [et al.] Compound fractures and wounds in war. Surg. Gyn. Obst., 1941, **73**: 757.—**Shaar, C. M., Harris, R. I.** [et al.] Fractures. Clinics, Phila., 1943–44, 2: 1155–64.—**Stanek, W. F., & Peterson, W. C.** Compound fractures occurring in the Army; factors influencing treatment. Am. J. Surg., 1945, **67**: 333–41.—**Talkenberger, A.** Konservative oder operative Behandlung der komplizierten

Knochenbrüche? Bull. War M., Lond., 1942–43, 3: 139–41 (Abstr.)—**Toffelmier, D. D.** Experiences with compound fractures from the Pacific combat area with presentation of new appliances for the care of the war injured. Bull. Am. Coll. Surgeons, 1943, 28: 132.—**Watson-Jones, R.** Open and infected fractures and war wounds. In his Fractures, 3. ed., Edinb., 1943, 1: 203–53.

—— Fatigue fracture.

See also **March fracture.**

Borsay, J., Dettre, G., & Hönig, V. Túlterheléses törések. Honvédorvos, 1950, 2: 501–9, illust.—**Fatigue** fractures (including march fracture) Bull. Army M. Dep., Lond., 1943, No. 28, 1.—**Gershon-Cohen, J., & Doran, R. E.** Fatigue-stress fractures; diverse anatomic location and similarity to malignant lesions. U. S. Nav. M. Bull., 1944, 43: 674–84.—**Honecker, K.** Ueberlastungsschäden am Knochensystem. Deut. Militärarzt, 1943, 8: 234–41.—**Müller, W.** Der militärische Abrissermüdungsschaden. Ibid., 283–6.—**Mussgnug.** Ermüdungsbrüche der Knochen. Med. Klin., Berl., 1940, 36: 1256 (Abstr.)—**Richmond, D. A.** Fatigue fractures. Surgeon Circ. M. Sect. Far East Command, 1948, 3: No. 12, 9–12.

—— gunshot.

See also **Injury**—by weapons: Gunshot.

TENEFF, S. Le fratture d'arma da fuoco. p.362–97; 1088–1123; 1184–220. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Debrunner, H. Ueber Schussfrakturen. Schweiz. med. Wschr., 1940, 70: 1015–9.—**Fractures** caused by projectiles. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 11: pt 1, 602–42.—**Hickson, S.** Gunshot injuries of long bones and joints. In: Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 169–96, 31 pl.—**Podoliak, G. A.** Diagnostika i lećenie ognestrenykh perelomov krupnykh trubćatykh kostej v uslovijakh mediko-sanitarnogo bataljona. Vest. khir., 1948, 68: No. 5, 75.

—— gunshot: Treatment.

See also **Plaster of Paris; Surgical technic,** Fracture.

LANGE, F., & TRUMPP, J. Die Behandlung der Schussfrakturen. p.52–102. 18cm. Münch., 1915.

In: Taschenb. d. Feldarzt., Münch., 1915, 3. T.

Babich, B. K. [Comparative evaluation of various methods in treatment of gun-shot fractures in evacuation hospitals] Ortop. travmat., Kharkov, 1940, 14: No. 5, 12–7.—**Böhler, L.** Grundsätzliches zur Behandlung von Knochenschussbrüchen und Gelenkschüssen mit besonderer Berücksichtigung schädigender Massnahmen. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 2: 212–36.—**Bohm, G. S.** [Divers views concerning plaster treatment of gunshot fracture at rear hospitals] Sovet. med., 1943, 7: No. 7, 20–2.—**Fuchs, B.** [Measures for preventing deformation and shortening in gunshot fractures] Voen. san. delo, 1942, No. 11, 32–6.—**Gebhardt, K., & Stumpfegger, L.** Zur Versorgung der Knochenschussverletzungen. In: Kriegschir. Ratgeber, Berl., 1941, 99–104.—**Heusser, H.** Schuss-Frakturen und ihre Behandlung in der Front. Praxis, Bern, 1940, 29: 233–7.—**Hohmann, G.** Die funktionellen Gesichtspunkte bei der Behandlung der Schussfrakturen. In: Kriegschir. Ratgeber, Berl., 1941, 144–9.—**Holle, F.** Die primären Verbandanordnungen bei Gliedmassenschussbrüchen und ihr Einfluss auf die endgültige Haltung versteifter Gelenke. Deut. Militärarzt, 1943, 8: 597–604.—**Killian, H.** Der Distraktionsgipsverband als Verfahren der Wahl für die Versorgung der Knochenschussbrüche im Felde. Ibid., 263–7.—**Lange, F.** Die Behandlung der Folgezustände von Schussfrakturen. In: Taschenb. d. Feldarzt., Münch., 1915, 3. T., 103–31, illust.—**Novotelnov, S. A.** [Closed plaster treatment of gunshot fractures] Bull. War M., Lond., 1942–43, 3: 554 (Abstr.)—**Palmer, I.** Nyare erfarenheter rörande skottfrakturernas behandling. Tskr. mil. hälsov., 1944, 68: Suppl., 12–28.—**Petrov, B. A.** Lećenie ognestrelnykh perelomov glukhoj gipsovoj povjazkoj. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 405.—**Prikhodko, A. K.** [Immobilizing dressings in treatment of gun-shot fractures in evacuation hospitals] Ortop. travmat., Kharkov, 1940, 14: No. 5, 17–26.—**Reichstein, D. I.** [Closed method in treatment of gun-shot fractures in evacuation hospitals] Ibid., 97–101.—**Sedykina, N. V.** [Observations on the treatment of gun-shot fractures in evacuation hospitals] Ibid., 48–55.—**Tikhodeev, S. M.** Rol kostnykh oskolkov v processe zaživlenija ognestrelnykh perelomov kostej po rentgenovskim dannym. In: Sborn, nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 187–93.—**Weinstein, V. G.** Osnovnye principy lećebnoj immobilizacii ognestrelnykh perelomov. Tr. Evakohosp., Leningr., 1943, No. 2, 17–29.

—— Healing [incl. delay]

Byrne, J. J., & Watson, W. M. Healing of a fracture after delayed treatment. U. S. Nav. M. Bull., 1946, 46: 1736–41.—Causes and prevention of delayed union of fractures (M. R. C. War Wounds Committee) Bull. War M., Lond., 1943–44, 4: 559–61.—**Dixon, J. L.** Radiographic evaluation of healing fractures. Mil. Surgeon, 1941, 89: 796–8.—**Frisch, O.** Die Pseudarthrose nach Schussfrakturen der langen Röhrenknochen und ihre Behandlung. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 2: 497–525.—**Healing** of war fractures. Rep. M. Res. Counc., Lond. (1939–45) 1948, 39.—**Krockert, G.** Lässt sich durch Vitamingaben eine verstärkte Mineralisation bei der Frakturregeneration im Röntgenbild beobachten? Bull. War M., Lond., 1942–43, 3: 267 (Abstr.)—**Okuyama, S.** On the effect of hot-springs on secondary symptoms of bone-fracture observed from skin temperature. Bull. Nav. M. Ass., Tokyo, 1940, 29: Suppl., 15.—**Pezzi, G.** Su un metodo di poliradioterapia associato alla cura interna nelle decalcificazioni localizzate. Ann. med. nav., Roma, 1946, 51: 193–8.—**Popov, V. N., & Ivanov, N. I.** [The effect of procaine block on the healing of bone fractures; on the rôle of the neural factor in the pathology of bone fractures] Bull. War M., Lond., 1942–43, 3: 436 (Abstr.)—**Sloat, J. I.** Treatment of non-union of shaft fractures. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 28–39.—**Stephenson, N. R.** Studies of fracture healing; investigation of fracture healing at the R. C. N. Hospital, St. John's Newfoundland. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 113–9. ——— & **Stock, O. M.** Studies on fracture healing; phosphatase activity after bone injury in rats. Ibid., 123–5.—**Yamada, S.** Sensyō ni yoru kari-kansetu ni tuite [Pseudarthrosis caused by war-wounds] Gun idan zassi, 1940, No. 323, 395–412, 4 pl.

—— March fracture.

See **March fracture.**

—— Prognosis.

Argüelles López, R. Secuelas de las fracturas de guerra; rigideces articulares; contracturas y anquilosis. Rev. españ. med. cir. guerra, 1938, 1: 253–60, illust.—**Glasner, J.** A recuperação do fraturado na guerra. Rev. med. mil., Rio, 1941, 30: 403–12.—**Orr, H. W.** Determining factors in the end-results following war wounds and compound fractures. War Med. Sympos., N. Y., 1942, 314–21.—**Wojciechowski.** Schorzenia urazowe i pourazowe kości; nowsze poglądy na ich przebieg i leczenie. Lek. wojsk., 1928, 12: 269.

—— Transportation.

See also **Wounded,** Transportation.

Ilchenko, P. J., & Lurie, M. S. [Sur certaines erreurs et insuccès dans le traitement des fractures fermées et par arme à feu des membres en tenant compte de formes d'immobilisation de transport aux diverses étapes de l'évacuation] Khirurgia, Moskva, 1940, No. 10, 142–6.—**Kirk, N. T.** Entablillamiento de urgencia de las fracturas para el trasporte (transl.) Rev. san. mil., Lima, 1934, 7: 410–20, 3 pl.—**Nilsson, J. R.** A program for first aid and transportation of fractures on railroads. Proc. Med. Surg. Sect. Ass. Am. Railr., 1940, 20: 68–76.—**Splinting** and transportation of fracture cases. Field M. Bull. U. S. Army, N. Delhi, 1943, 2: 102–7.—**Stewart, W. J.** The transportation of soldiers with fractures. Surg. Gyn. Obst., 1947, 84: 750–2.—**Tregubov, S. L.** [Immobilization on the battle field] Ortop. travmat., Kharkov, 1940, 14: No. 5, 82–6

—— Treatment.

See also **Surgical technic,** Fracture.

Bosworth, B. M. Treatment of fractures in the combat area. Am. J. Surg., 1945, 67: 342–59.—**D'Harcourt, J., & Pruneda, J.** Normas generales de tratamiento de las fracturas de guerra. Rev. españ. cirug., 1935, 17: 4–25, illust.—**Ghormley, R. K.** Treatment of war-time fractures. Proc. Mayo Clin., 1940, 15: 673.—**Harris, R. I.** Treatment of war fractures. Mil. Surgeon, 1944, 94: 246–50. ——— Treatment of war fractures. J. Canad. M. Serv., 1944–45, 2: 6–10.—**Hingston, D.** Le traitement des fractures de guerre. Union méd. Canada, 1943, 72: 803–5.—**Kirschner, M.** Die Behandlung der Knochenbrüche im Kriege. Veröff. Marine San., 1942, H. 34, 13–40. Also Vjschr. schweiz. Sanitätsoff., 1943, 20: 80 (Abstr.)—**Lazzeroni, A.** Sul trattamento dei fratturati esposti nella pratica di guerra. Forze san., Roma, 1936, 5: 1670–3.—**Leitão, M.** Aparelhagem e tratamento de fracturas, no exército em campanha. Clín. hig. & hidr., Lisb., 1938, 4: 107–13.—**MacGregor, K. H.** The treatment of fractures in war and in peace. Brooklyn Hosp. J., 1948, 6: 146–53.—**Marques Porto, E.** Da assistência aos fraturados na guerra. Rev. med. cir. Brasil, 1942, 50: 353–73.—**Nichols, E.** Mechanics of fracture therapy in small animals. Army Vet. Bull., 1942, 36: 296–301.—**Picot.** Traitement des fractures de guerre. Bull. méd., Par., 1940, 54: 235.—**Rebaudi, F., & Musso, A.** Trattamento e risultati nelle fratture di guerra. Chir. org. movim., 1940–41, 26: 333–48. Also English transl., Surg., Gyn. Obst., 1942, 74: Suppl., 79 (Abstr.)—**Roca, C. A., & Lazaroni, A. F.** Fracturas de guerra. Rev. san. mil., B. Air., 1945, 44: 1110–29.—**Trattamento** (Il) delle fratture degli arti in chirurgia di guerra. Policlinico, 1940, 47: sez. prat., 1623.—**Treatment** of war fractures. Brit. M. J., 1940, 1: 948.

—— Treatment: Fixation and immobilization.

Anquín, C. E. de. Fijación externa con férula Stader, en fracturas; dos principales indicaciones. Rev. san. mil., B. Air., 1946, **45**: 982–97.—**Bradford, C., & Wilson, P. D.** Mechanical skeletal fixation in war surgery; report of 61 cases. Surg. Gyn. Obst., 1942, **75**: 468–76.—**Cuervo y Castillo, T.** A propósito de un pequeño dispositivo adaptable a las barrenas para la medición automática de la longitud del tornillo en las osteosíntesis. Bol. Hosp. milit., Habana, 1949, **2**: 54.—**Fixation** of fractures with metal. Bull. U. S. Army M. Dep., 1944, No 83, 3–5.—**Hodge, N. V.** La fijación metálica interna en los fracturados de las fuerzas aéreas. Rev. san. mil., B. Air., 1944, **43**: 18–20.—**Hoffmann, R.** Closed osteosynthesis, with special reference to war surgery. Acta chir. scand., 1942, **86**: 235–66.—**Kuentscher, G.** Intramedullary splinting. Med. Bull. U. S. Chief Surg., Europ. Theater, 1947, **3**: No. 2, 5–8.—**Martín Santos, L.** Forma de inmovilizar los fracturados ante la evacuación. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2**: 236.—**Peterson, L. T.** External skeletal fixation. Bull. U. S. Army M. Dep., 1949, **9**: 766–9.—**Spriggs, J. B.** Haynes splint treatment of fractures of the long bones. Mil. Surgeon, 1948, **102**: 191–3.—**Trueta, J.** Reduction and fixation of fractures. In his Principl. & Pract. War Surg., S. Louis, 1943, 236–42, illust.—**Zuelzer, W. A.** An indirect method of fixation of small fractured fragments with the help of a hook-plate; a preliminary report. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 3, 16–20.

—— Treatment: Methods.

Böhler, L. Technik der Knochenbruchbehandlung im Frieden und im Kriege. 7. Aufl. Bd 2. p.789–1578. 24½cm. Wien, 1941. Also 9.–11. Aufl. 3v. 24½cm. Wien, 1943–44.

Mathieu, A. *Pénicilline dans les ostéosynthèses pour fractures exposées de guerre [Lyon] 66p. 25cm. Bourg, 1945.

Ettorre, E. A proposito del metodo chiuso di cura delle ferite osteoarticolari nella guerra di movimento. Bol. Soc. piemont. chir., 1940, **9**: 185–94.—**Fontaine, R.** Les fractures de guerre et leur traitement; quelques réflexions concernant notre expérience personnelle. Strasbourg méd., 1947, **107**: 163–73. —— **& Wiest, E.** Les fractures de guerre et leur traitement; quelques réflexions concernant notre expérience personnelle. Bull. internat. Serv. santé, Liége, 1948, **21**: 1–24.—**Hall, H. B.** Management of fractures under war conditions. Minnesota M., 1943, **26**: 537–9.—**Jeffrey, J. S.** Battle casualty fractures in Italy; treatment with penicillin. Brit. J. Surg., 1944–45, **32**: 144–7.—**Keating, C.** Rehabilitation of fractures in the Royal Navy. Med. Press & Circ., Lond., 1943, **209**: 168–70. Also Mod. Treat. Yearb., Lond., 1944, **10**: 246–50, pl.—**Koshkina, E. L.** Parafinoterapia svežikh perelomov. In: Sborn. nauch. rabot evakohosp. (Pravdin. A. N.) Moskva, 1942, 208–11.—**Laning, R. H., Small, W. D., & Flower, C. F.** Management of fractures in the United States Navy. Surg. Clin. N. America, 1941, **21**: 1703–22.—**Leriche.** Orthopedic treatment of fractures. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 836–9.—**Mayr, O.** Einfache, unblutige Korrektur schlecht stehender Frakturen im Kriege. Münch. med. Wschr., 1943, **90**: 571–4.—**Mester, Z.** A harctéri töréskezelésről 14 hónap tapasztalatai alapján. Orvostud. közl., 1944, **5**: 256.—**Miyosi, M.** Genti ni oite tiken-seru kotu-sensyō ni tuite [Successful treatment on the spot of bone injury sustained in war] Gun idan zassi, 1943, 1030–52.—**Moreno Valle, R.** Primeros auxilios en los fracturados. Bol. san. mil., Méx., 1949, **2**: 408–10.—**Novozhilov, D. A.** [Fango-therapy in bone fractures] In: Sborn. trud. posv. G. I. Turner (Leningrad. Voen. med. akad. Kirov) Leningr., 1938, 159–73.—**Palagi, P.** Osservazioni sul trattamento delle fratture di guerra. Atti Accad. fisiocr. Siena, 1941, **9**: 103–10, illust.—**Poli, A.** Delle possibilità di trattamento delle fratture in un ospedale da campo di la linea. Arch. ortop., Milano, 1946, **59**: 3–7.—**Prophylactic** penicillin; complete fractures of femur, tibia and humerus [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 283.—**Putti, V.** Cirurgia de guerra; as fraturas e o método de Magati. Resenha clin. cient., S. Paulo, 1942, **11**: 453–6.—**Quesada, F.** Quesada's method for the treatment of fractures in total warfare. Mil. Surgeon, 1942, **91**: 17–21.—**Roca, C. A., & Lazaroni, A. F.** Tratamiento de las fracturas de guerra; consideraciones sobre los tutores externos. Rev. san. mil., B. Air., 1946, **45**: 1031–48.—**Shands, A. R.,** jr. Suggested therapy for the more common fractures and dislocations. Air Surgeon Bull., 1944, **1**: No. 7, 12.—**Spurling, R. G.** Early treatment of combined bone and nerve lesions. Bull. U. S. Army M. Dep., 1945, **4**: 444–6.—**Toffelmier, D. D.** Differentiation in types of treatment of fractures occurring on shipboard and in land combat. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 22–8.—**Torraca, L.** Trattamento delle fratture di guerra col metodo occlusivo. Minerva med., Tor., 1941, **32**: pt 1, 473 (Abstr.)—**Toumey, J. W.** Soft tissue protection in fracture treatment. U. S. Nav. M. Bull., 1944, **42**: 1143–5.—**Trotta, A., & Velasco, R. N.** Tratamiento de las fracturas expuestas graves; perspectivas de la sulfamidoterapia intraarterial. Rev. san. mil., B. Air., 1942, **41**: 445.—**Vasiljev, G. A.** Zakrytye perelomy kostej po dannym aviacionnogo armejskogo hospitalja. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 191–200.—**Waugh, R. L.** Some phases of fracture treatment. Mil. Surgeon, 1947, **100**: 381–5.—**Wustmann, O.** Praktische Winke für die Versorgung von Knochenbrüchen im Feldlazarett. Münch. med. Wschr., 1941, **88**: 877–81.

—— Treatment: Organization.

García Morán, J. Atención de las fracturas de guerra en un equipo no especializado de vanguardia. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 164–9.—**Gómez-Durán, M.** Táctica terapéutica de urgencia de fracturas de guerra en el frente. Ibid., 198–208.—**Marques Porto, E.** Plano de organisação para a assistencia aos fraturados na guerra. Med. cir. pharm., Rio, 1938, pt 2, 249–66.—**Proposed** National scheme of fracture clinics [Great Britain] J. Am. M. Ass., 1940, **115**: 546.—**Queipo de Llano, A.** La organización, factor principal en el tratamiento de las fracturas de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 270–81. Also Rev. españ. med. cir. guerra, 1939, **2**: 485–99.—**Vals Marín, C.** Organización de un servicio de fracturados de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 346–8.

—— Treatment: Plaster of Paris.

See **Plaster of Paris.**

—— Treatment, surgical.

See **Surgical technic,** Fracture.

—— Treatment: Traction.

Klapp, R., & Rückert, W. Die Drahtextension in der Friedens- und Kriegschirurgie. 2. Aufl. 208p. 24½cm. Stuttg., 1944.

Baryšnikov, K. I. [Technic of skeletal extension] Voen. med. J., Moskva, 1944, June, 12–7, 2 pl.—**Bulleid, J. H.** A method of maintaining extension on the Thomas' splint. J. R. Army M. Corps, 1945, **84**: 240.—**Goldstone, B.** The operating table used as a traction instrument for fractures. Ibid., 1944, **83**: 70–2.—**Heinrich, G.** Zur Frage der Drahtextension und des kombinierten Drahtzuggipsverbandes im Felde. Deut. Militärarzt, 1943, **8**: 586–90.

—— by site.

See also under names of bones and joints; also such terms as **Head injury,** etc.

Lewis, J. W. Diagnosis of fractures of the ribs, scapula, sternum and mandible. Mil. Surgeon, 1945, **96**: 175–7.

—— by site: Ankle.

See subheading (—by site: Foot)

—— by site: Carpus.

Allen, W. E., jr. Fracture of the carpal navicular. Mil. Surgeon, 1943, **93**: 464–7.—**Bedrick, J. J., & Zawadzki, S. A.** Some observations on the fractured carpal scaphoid. Ibid., 1946, **98**: 488–91.—**Bliss, H. J.** Ununited fractures of the scaphoid. J. R. Nav. M. Serv., 1941, **27**: 70–2.—**Dickison, J. C., & Shannon, J. G.** Fractures of the carpal scaphoid in the Canadian Army; a review and commentary. Surg. Gyn. Obst., 1944, **79**: 225–39.—**Enyart, J. L., Brown, H. J., & Trunnell, J. B.** Radiographic study of fractures of the carpal navicular bone. U. S. Nav. M. Bull., 1948, **48**: 66–8.—**Finn, H. G., & Palmberg, K. J.** Fractures of the carpal scaphoid; a study of 10 cases. Ibid., 1944, **42**: 38–46.—**Fractured** carpal navicular bone. Bull. U. S. Army M. Dep., 1944, No. 77, 10.—**Fractures** of the carpal scaphoid. Bull. Army M. Dir., Lond., 1942, No. 11, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 13.—**Henry, M. G.** Fractures of the carpal scaphoid bone in industry and in the military service. Arch. Surg., 1944, **48**: 278–83. Also Mil. Surgeon, 1944, **95**: 199–205.—**Hipps, H. E.** Fractures of the carpal navicular. U. S. Nav. M. Bull., 1944, **43**: 467–76.—**MacFarlane, J. A.** Fractures of the carpal scaphoid in the Army overseas. J. Canad. M. Serv., 1943–44, **1**: 443–8.—**Middlebro, J. P.** Fractures of the carpal scaphoid. Ibid., 525–9.—**Nicholson, C. B.** A note on fractures of the carpal scaphoid. J. R. Nav. M. Serv., 1940, **26**: 287–9.—**Nusselt, H.** Was muss der Truppenarzt vom Kahnbeinbruch der Hand wissen? Deut. Militärarzt, 1940, **5**: 493–6.—**Schoonbrood.** Etude des lésions spontanées et traumatiques des os spongieux en marge d'une description des fractures du scaphoïde carpien. Arch. belges méd. mil., 1938, **91**: 6–19.—**Steidl, H.** Heilung veralteter Kahnbeinbrüche der Hand durch Nagelung. Deut. Militärarzt, 1943, **8**: 714–8.—**Van de Voorde, C.** La fracture du scaphoïde carpien. Arch. Serv. san. Armée belge, 1947, **100**: 26.—**Ymaz, J. I.** Tratamiento de las fracturas del escafoides carpiano. Rev. san. mil., B. Air., 1944, **43**: 1284–9.

—— by site: Clavicle.

Bonnet, G. F. P. R. Le traitement des fractures de la clavicule. Rev. Serv. san. mil., Par., 1938, **109**: 23–34.—**Casas Ochoa, T.** Fracturas claviculares de guerra. Rev.

españ. med. cir. guerra, 1939, 2: 64–75.—**Jimeno-Vidal, F.** Schlüsselbeinschussbrüche. Arch. orthop. Unfallchir., 1939–40, 40: 586–93.—**LeCocq, E. A., & Gilman, P. K., jr.** Ununited fracture of the clavicle; report of case. U. S. Nav. M. Bull., 1944, 42: 1166.—**Van Demark, R. E., & Goodman, M. C.** Fractures of the clavicle in military trainees. Mil. Surgeon, 1946, 99: 197–9.

—— by site: Extremity.

D'Agata, G. Sul trattamento moderno delle fratture degli arti. Gior. med. mil., 1938, 86: 691–9.—**Dubs.** Erste Versorgung und erster Transport bei den Schussfrakturen der Extremitäten. Vjschr. schweiz. Sauitätsoff., 1935, 12: 2–21.—**Friend, L. F.** Traction treatment of fractures of the metacarpals, metatarsals, and phalanges. U. S. Nav. M. Bull., 1942, 40: 988–90, 2 pl.—**Funsten, R. V., & Frankel, C. J.** Compound fractures of the extremities; results of treatment. Ibid., 1940, 38: 494–9.—**Gorinevskaia, V. V.** Perelomy konećnostej. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 270–92. ——— Otkrytye i ognestrenye perelomy konećnostej i ikh lećenie. Ibid., 292–9.—**Guliaev, A. V.** Obrabotka ognestrenykh perelomov konećnostej v divizionnom hospitale. Voen. san. delo, 1940, No. 5, 62–7.—**Hampton, O. P., jr, & Parker, J. M.** Observations on battle fractures of the extremities. Surgery, 1944, 15: 869–86.—**Killian.** Das Distraktionsgipsverfahren zur Behandlung von Extremitätenfrakturen mit besonderer Berücksichtigung der feldmässigen Versorgung. Klin. Wschr., 1940, 19: 1294.—**McMurray, T. P., & Lloyd, E. I.** Methods of applying extension to the limbs. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 373–8.—**MacPherson, J. D.** War wounds of extremities involving bone. Hawaii M. J., 1941–42, 1: 261.—**Papo.** Fractures des extrémités. Rev. Corps san. milit., 1946, 2: 145–7.—**Priorov, N. N.** Treatment of gunshot fractures of the extremities in evacuation hospitals of the U. S. S. R. Brit. M. J., 1945, 1: 177.—**Soler Terol, M.** Tratamiento de fracturados de extremidades en hospitales de vanguardia. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 305–9.—**Torraca, L.** Il trattamento delle fratture degli arti in chirurgia di guerra. Ann. med. nav., Roma, 1940, 46: 201–12.—**Walker, J. C.** End results, fractures of long bones. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 11: pt 1, 491–547, tab.—**Ziazin, G. M.** Ranenie dlinnykh trubćatykh kostej verkhnej konećnosti po materialam evakopunkta; kharakter ranenija, etapnaja evakuacija, lećenie i iskhody. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 236–44.

—— by site: Extremity, lower.

Baluss, J. W., jr. Improvised well-leg traction; a description of the apparatus and its application to military surgery. Mil. Surgeon, 1949, 105: 146–9.—**Blumenfeld, E.** Footdrop following skeletal fixation. Bull. U. S. Army M. Dep., 1944, No. 83, 73–6.—**Clavelin, Plisson** [et al.] Modalités du traitement et de l'évacuation des blessés atteints de fractures fermées et ouvertes des grandes diaphyses du membre inférieux aux différents échelons sanitaires de l'armée. Presse méd., 1940, 48: 537.—**Gusmão Antunes, M.** Tratamento das fraturas do membro inferior na guerra. Rev. méd. brasil., 1944, 17: 697–724.—**Hoffmann, R.** L'attelle trochantérienne en chirurgie de guerre. Helvet. chir. acta, 1945, 12: 125–33.—**Kunz, H.** Ueber die Versorgung der Schussfrakturen der unteren Extremitäten im Kriege. Zbl. Chir., 1942, 69: 473–9.—**Rumble, E. T., & Millspaugh, J. A.** Ten factors in the closed plaster technique for compound fractures of lower extremities. Mil. Surgeon, 1943, 93: 448.—**Steindler, A.** The compound fractures of thigh and leg in military and civil practice. Ibid., 1940, 87: 54–63.—**Tejeda L., A.** Dos casos de fractura del miembro inferior; servicio de cirugía. Rev. san. nav., Valparaiso, 1936, 6: 10–4.—**Winge, M.** Transportskinne til underextremitetsfrakturer; the Tobruk-splint. Militaerlaegen, 1946, 52: 37–41; illust.—**Wustmann, O.** Die Behandlung von Phlegmonen und Abszessen nach infizierten Schussbrüchen der unteren Gliedmassen. Bull. War M., Lond., 1942–43, 3: 553 (Abstr.)

—— by site: Extremity, upper.

Fitts, W. T., jr. Fractures of the upper extremity; a review of experiences in World War II. Am. J. Surg., 1946, 72: 393–403.—**Galletto, G.** La lussazione sottoglenoidea dell'omero accompagnata a frattura della grande tuberosità. Gior. med. mil., 1940, 88: 277; 367.—**Hickson, S.** Bones of the upper extremity. In: Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 190–6.—**Hillebrand.** Behandlung von Armfrakturen im Kriegslazarett. Münch. med. Wschr., 1943, 90: 496.—**Javorsky, S. E.** Ognestrelnye perelomy kostej predplechja. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 224–35.—**Rauhs, R.** Die Schussfrakturen der oberen Extremitäten. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 2: 237–70.—**Shoor, M.** Multiple fractures of arm and forearm; report of a case. U. S. Nav. M. Bull., 1944, 42: 693–5.—**Tikhodeev, S. M., & Brusilovskaia, L. V.** Rastiaženie sumki plećevogo sustava pri ognestrelnykh perelomakh pleća. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 129–34.—**Ulicky, G. I.** Ognestrelnye perelomy pleća. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk., 1941, 196–223. illust.

—— by site: Femur.

TIEMANN, G. *Transport, Behandlung und Ergebnis der Oberschenkelschussfrakturen im Weltkrieg im Vergleich zu den Kriegen des 19. Jahrhunderts. 47p. 22cm. Berl., 1940.

Alban, H. Maintenance of femoral skeletal traction. Bull. U. S. Army M. Dep., 1947, 7: 481–3.—**Armstrong, J. R.** Treatment of fractures of upper third of shaft of femur. Lancet. Lond., 1940, 1: 957–9.—**Banaitis, S. O.** [Closing speech of the chief surgeon of the front] Khirurgia, Moskva, 1943, No. 8, 76–8.—**Baumann.** Oberschenkelschussfrakturen, Amputationsindikation bei Kriegsverletzungen. Praxis, Bern, 1943, 32: 269.—**Cawley, J. J., jr, Abell, C., & Freede, H.** Early definitive treatment of fractures of the femur. Bull. U. S. Army M. Dep., 1947, 7: 948–52.—**Collom, S. A., jr, & Ewing, W. M.** A comparative study of 100 fractures of the shaft of the femur; an abstract. Med. Bull. Medit. Theater of Oper. U. S., 1945, 3: 37–9.—**Demmer, F.** Gips oder Extension beim fiebernden Oberschenkelschussbruch? In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 2: 340–78.—**Ferreira de Barros, J.** Algumas considerações sobre oito casos de fraturas de fêmur, tratados pelo método da tração continua transesquéletica. Rev. med. mil., Rio, 1941, 30: 331–8.—**Führer, S. L.** [Errors in the treatment of gunshot fractures of the femur] Voen. san. delo, 1943, No. 4, 26–8.—**Furlong, R.** Synopsis of the results of treatment of 288 cases of open fracture of the femoral shaft, Feb. 1944 to Jan. 1945. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 6–8.—**Graifer, G. R.** Lećenie ognestrelnykh perelomov bedra v uslovijakh armejskogo tyla. Voen. san. delo, 1941, No. 4, 19–24.—**Haebler, C.** Experiences with the marrow nail operation according to the principles of Kuentscher; gunshot fractures of the femur. U. S. Armed Forces M. J., 1950, 1: 65–87, illust.—**Hampton, O. P., jr.** Observations on the use of balanced skeletal traction for battle fractures of the femoral shaft. Med. Bull. North Afr. Theater of Oper. U. S., 1944, 2: 46–51.—**Hanin, Z. O.** [Gunshot fractures of the femur at a base hospital] Sovet. med., 1941, 5: No. 17, 19.—**Hart, V. L.** Treatment of fractures of the adult femur. Mil. Surgeon, 1944, 95: 379–84. ——— Balanced suspension and fractures of the femur. Bull. U. S. Army M. Dep., 1946, 5: 57–63.—**Heim, H.** Bedeutung der Schussfrakturen des Oberschenkels im Kriege. Med. Klin., Berl., 1940, 36: 576 (Abstr.)—**Hochwalt, W. R., Rogers, S. C., & Culmer, A. E., jr.** Fractures of the femur. Bull. U. S. Army M. Dep., 1945, No. 88, 86–90.—**Iudin, S. S.** [The treatment of gunshot fractures of the femur under conditions of modern warfare] Voen. san. delo, 1942, No. 11, 20–8. Also Am. Rev. Soviet M., 1943–44, 1: 197–204. Also Surg. Gyn. Obst., 1944, 78: 1–8. Also Spanish transl., Prensa méd. argent., 1946, 33: 641.—**Ivanov, K. S.** [Gunshot wounds of the femur according to data of evacuation points] Khirurgia, Moskva, 1943, No. 8, 35.—**Jimeno Vidal, F.** Transportfrage bei Oberschenkelschussbrüchen. Chirurg, 1940, 12: 548–51.—**Johnston, C. C.** Portable plaster spica and Thomas splint traction for treatment of fractured femur. Mil. Surgeon, 1944, 95: 495–7.—**Kabakov, G. L.** Opyt kompleksnoj obrabotki ognestrelnykh perelomov bedra po Iudinu v vojskovom raione. Voen. med. J., Moskva, 1946, No. 9, 11–3.—**Kaplan, A. V.** [The basic principles of treatment of gunshot fractures of the femur and extent of surgical aid at a classification center at the front] Khirurgia, Moskva, 1943, No. 8, 65–74.—**Kazakevich, I. E., & Balakina, V. S.** [Treatment of gun-shot fractures of the thigh in base hospitals] Sovet. med., 1940, 4: No. 23, 14–6.—**Keon-Cohen, B. T.** Fractures of the femur in war-time; a review of 32 cases. Austral. N. Zealand J. Surg., 1942–43, 12: 163–90.—**Khodkevich, S. P.** Pozdnee vytjažénie pri lećenii ognestrelnykh perelomov beder. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 14–6.—**Kochev, K. N.** [The treatment of wounds of the femur under conditions of the regimental zone] Khirurgia, Moskva, 1943, No. 8, 17–21.—**Kovalev, D. A.** [Characteristics of wounds of the femur according to data of Army field hospitals] Ibid., 25–7.—**Kuslik, M. I.** Lećenie ognestrelnykh perelomov bedra. Vest. khir., 1946, 66: No. 5, 115.—**Laski, Z.** [Injuries of the femur and near-by articulations, immobilization and transportation during the campaign] Lek. wojsk., 1929, 13: 339–42.—**Lopukhovsky, V. M.** [The treatment of gunshot wounds of the femur under conditions at the front] Khirurgia, Moskva, 1943, No. 8, 4.—**Lusskin, H.** Intertrochanteric fractures of the femur; early care on a hospital ship. U. S. Nav. M. Bull., 1945, 44: 1221–7. ——— & **Hoffman, R. R.** Fractures of the shaft of femur; early treatment on a hospital ship. Ibid., 1946, 46: 888–94.—**McKeever, F. M.** Treatment of fracture of shaft of femur. Bull. U. S. Army M. Dep., 1946, 5: 690–6.—**McLachlin, A. D., & MacFarlane, J. A.** Fractures of the femur in the Canadian Army in England. Canad. M. Ass. J., 1944, 51: 41–6.—**McMurray, T. P.** Thomas' splint in the treatment of fractured femur. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 624–8.—**Mansi, R. L.** A case of insufficiency fracture occurring in the neck of the femur. Brit. J. Radiol., 1943, 16: 119.—**Mead, N. C.** Transportation of the non-transportable patient with fracture of the femur. Med. Bull. Medit. Theater of Oper., U. S., 1945, 3: 256–8. ——— Transportation of patients with fracture of femur. Bull. U. S. Army M. Dep., 1946, 5: 174–8.—**Mikhalevsky, I. I.** [Blind plaster casts in fractures of the femur] Voen. san. delo, 1943, 77.—**Modlin, J.** Double skeletal traction in battle fractures of the lower femur. Bull. U. S. Army M. Dep., 1945, 4: 119.—

Nusselt, H. Ermüdungsbruch des Schenkelhalses bei einem 39 jährigen Soldaten. Mschr. Unfallh., 1944, 51: 186–9.—**Phemister, D. B.** Circulatory disturbances in the head of the femur. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 129–36.—**Pinelli.** Le traitement actuel des fractures de cuisse dans l'armée. Maroc méd., 1941, 21: 26–31.—**Pokrovsky, I. A.** Opyt lečenija ognestrelnykh perelomov bedra. Voen. san. delo, 1941, No. 6, 17–21.—**Power, R. W.** Immobilization and transportation of the fractured femur in war. Brit. M. J., 1943, 2: 509. Also Spanish transl., Rev. san. mil., B. Air., 1944, 43: 129–32.—**Rakhomov, N. N.** [Physical culture therapy in gunshot wounds of the femur according to data of evacuation hospitals] Khirurgia, Moskva, 1943, No. 8, 36–40.—**Roca, C. A., Imaz, J. I., & Lazaroni, A. F.** La doble tracción; fracturas supracondíleas del fémur. Rev. san. mil., B. Air., 1944, 43: 1530–41.—**Rückert, W.** Schwierigkeiten und Wandlungen in der Behandlung infizierter Oberschenkelschussbrüche. Deut. Militärarzt, 1942, 7: 560–7.—**Rukosuev, S. G.** [Closed plaster cast in the treatment of gunshot fractures of the femur at evacuation stations] Khirurgia, Moskva, 1942, No. 3, 100–6.—**Rutkevich, N. L.** [Disposal of patients with gun-shot fractures of the thigh in evacuation hospitals] Sovet. med., 1940, 4: No. 24, 41.—**Schröder, C. H.** Die schleichende Fraktur des Schenkelhalses. Deut. Militärarzt, 1943, 8: 225–34.—**Shamov, V. N.** Organizacija etapnogo lečenija ognestrelnykh perelomov bedra i ranenij krupnykh sustavov. Voen. med. J., Moskva, 1945, 20–9.—**Shastin, N. P.** [Gunshot fractures of the femur according to data of front line forward field hospital] Khirurgia, Moskva, 1943, No. 8, 28.—**Shur, M. J., & Chaikov, I. M.** [The causes for failure in the treatment of gunshot fractures of the femur, according to data of a classification center] Ibid., 48–55.—**Sokołowski, T.** O jednolitą metodę leczenia zwykłych i otwartych złamań kości udowej. Lek. wojsk., 1941, 34: 162.—**Sprengell, H.** Erfahrungen mit der Marknagelung von Oberschenkelbrüchen. Bull. War M., Lond., 1942–43, 3: 141 (Abstr.)—**Stadler, F. V.** Ognestrelnye perelomy bedra. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 254–61.—**Stivey, B. A.** Treatment of compound fractured femur, as carried out at R. A. F. base hospital. Nurs. Mirror, Lond., 1946–47, 84: 351.—**Sukovatykh** [Gunshot wounds of the femur according to data of a forward field hospital] Khirurgia, Moskva, 1943, No. 8, 21–5.—**Takigawa, I.** Sensyō daitaikotu-setu ni okeru kōsen-zizokuken-in ryōhō no tiken [Experiments in steel-wire traction therapy in fracture of the femur in war-wounded] Gun idan zassi, 1940, No. 320, 41–52, 2 pl.—**Talbot.** Un cas de pseudarthrose particulièrement complexe après une fracture sous-trochantérienne du fémur. Bull. Soc. méd. mil. fr., 1948, 42: 108.—**Téllez Lafuente, D.** A propósito de varios casos de fractura pertrocanterea del fémur. Rev. españ. med. cir. guerra, 1942, Año 5, 537–47, illust.—**Tepliakov, S. V.** [Gunshot wounds of the femur and treatment at the regimental medical post] Khirurgia, Moskva, 1943, No. 8, 12–4.—**Tête, H., Pelegrini, Y. L., & Dorland, J. A.** A propos d'un arrachement du petit trochanter. Bull. Soc. méd. mil. fr., Par., 1948, 42: 95.—**Tufano, A.** Contributo al trattamento delle fratture esposte di guerra del femore. Rass. internaz. clin. ter., 1948, 28: 90–8. ——— Considerazioni cliniche e terapeutiche sulla ferite-fratture di guerra con speciale riguardo a quelle del femore. Ibid., 359–74.—**Wachsmuth, W.** Zur Behandlung der Oberschenkelschussbrüche im Felde. Deut. Militärarzt, 1942, 7: 122–32.—**Westhues, H.** Oberschenkel. In his Fortsch. Lager. Schwerverw., Berl., 1943, 52–8, illust.—**Wiggins, H. E., & Lewis, G. B.** Intramedullary fixation of fractures of the femur. U. S. Nav. M. Bull., 1948, 48: 161–74.—**Wisniowski, P.** Zur Behandlung der Oberschenkelschussbrüche im Heimatlazarett. Zbl. Chir., 1943, 70: 846–55.

—— by site: Foot.

See also **March fracture.**

Bershon, A. L. Fractures of the feet and toes. Bull. U. S. Army M. Dep., 1946, 5: 551–8.—**Borsay, J., & Dettre, G.** A számfeletti lábtőcsontok baleseti jelentősége. Honvédorvos, 1950, 2: 576–88, illust.—**Cleveland, M., Willien, L. J., & Doran, P. C.** Treatment of undisplaced fractures at the ankle joint. Bull. U. S. Army M. Dep., 1944, No. 77, 103–5.—**Didiée.** Fracture parcellaire isolée de la grande apophyse du calcanéum. Bull. Soc. méd. mil. fr., 1929, 23: 183–7.—**Epstein, G. J.** Ograničennye povreždenija stopy s odnovremennym perelomom kostej. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1950, 18: 274–84.—**Itō, K., & Kobori, H.** Aete drumkan kossetu to kosyō-site [The drum-can fracture] Gun idan zassi, 1943, 1416–22, incl. pl.—**James, T.** A fracture-dislocation of the ankle occurring in flying accidents. Brit. M. J., 1944, 2: 372.—**Klompus, I.** Fractures of toes; a simple method of treatment. U. S. Nav. M. Bull., 1945, 44: 850.—**Lurà, A.** Fratture isolate dello scafoide tarsale. Gior. med. mil., 1943, 91: 417–26.—**Milne, R.** Wounds of the ankle and tarsal joints. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 481–90; 2. ed., Balt., 1942, 2: 704–13.—**Nikulina, A. N.** Ognestrelnye ranenija stopy i ikh lečenie. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 275–87, illust.—**Rommel, R. W.** Compression fractures of the ankle and foot following a torpedo explosion; case report. U. S. Nav. M. Bull., 1942, 40: 405.

—— by site: Forearm and hand.

See also subheading (—by site: Carpus)

Anderson, J. C. A case of multiple bony injuries of both wrists, including a fractured cuneiform and dislocated semilunar bone. J. R. Army M. Corps, 1941, 76: 115.—**Bronstein, M. M.** [Gunshot fractures of the forearm and their treatment at the various stages of evacuation] Khirurgia, Moskva, 1944, No. 6, 73–6.—**Clybourne, H. E.** The use of the Navy traction apparatus in the reduction of fractures about the wrist. J. Am. Osteopath. Ass., 1943–44, 43: 510–2.—**Ebeling, W. W.** Skeletal traction in fractures of hand and wrist. U. S. Nav. M. Bull., 1944, 43: 477–82.—**Freifeld, J. A.** Ognestrelnye perelomy kisti i palcev. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 134–40.—**Janyšin, V. Z.** Travmy pravogo predplečja pri ručnoj zavodke avtomašin. Voen. san. delo, 1940, No. 8, 91–3.—**Jimeno-Vidal, F.** Der Drahtgipsverband nach Böhler in der Behandlung der Vorderarmschussbrüche. Deut. Militärarzt, 1944, 9: 87–96.—**Long, R. D., & Fett, H. C.** Medullary canal wire transfixion in metacarpal and forearm fractures. U. S. Nav. M. Bull., 1945, 44: 253–6.—**Quigley, T. B.** An improvised aid to the reduction of forearm fractures. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 21, 26–8. ——— & **Urist, M. R.** A new method of digital skeletal traction. Ibid., 1945, No. 30, 56–8.—**Rettig, W.** Zur Behandlung der Unterarmschussbrüche. Deut. Militärarzt, 1944, 9: 393.—**Shaar, C. M.** Fractures of the forearm and elbow with particular reference to war casualties that occur in training and combat. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 17–22.—**Smyslov, M. I.** Ognestrelnye perelomy kostej kisti i zapjastja po dannym tylovogo hospitalja. Voen. san. delo, 1941, No. 2, 41–3.—**Spiridonov, G. G.** Ognestrelnye povreždenija kisti i palcev. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 245–53, illust.—**Tavernier, L.** L'enclouage médullaire dans le traitement des fractures des os de l'avant-bras par projectiles de guerre. Lyon chir., 1945, 40: 620–4.

—— by site: Hip.

See also subdivision (—by site: Femur)

Colonna, P. C. Reconstruction surgery in the treatment of old, ununited fractures of the hip. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 149–52.—**Device** to improve the care of patients in double hip spica casts. Bull. U. S. Army M. Dep., 1945, 4: 618–20.—**Stuck, W. G.** Fractures of the hip as a problem in military surgery. Mil. Surgeon, 1945, 96: 58–64.

—— by site: Jaw.

See under **Jaw.**

—— by site: Joint.

Magliulo, A. Le fratture di guerra degli arti, escluse le ferite articolari; evoluzione e trattamento definitivo. p.415–504. 25cm. Roma, 1943.

Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 415–504.

Abdrakhmanova. Ranenija krupnykh sustavov. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 305–9.—**Comte & Thomann.** Fractures ouvertes de guerre du coude et du genou. Maroc méd., 1940, 20: 72; 139.—**Fevraleva, T. A.** Ognestrelnye ranenija sustavov. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 288–304.—**Gektin, F. L.** O psevdartrozakh kostej predplechja posle ognestrelnykh perelomov. Ibid., 333–9.

—— by site: Leg.

See also subheading (—by site: Extremity, lower)

Bierman, M. I. Avulsion fracture of the fibula. U. S. Nav. M. Bull., 1943, 41: 647–52.—**Boone, R. R.,** jr. New walking rocker for fractures below the knee. Bull. U. S. Army M. Dep., 1948, 8: 324.—**Butterworth, R. D., & Clary, B. B.** Compound fractures of the shafts of the tibia and fibula treated by plating the fibula. Med. Bull. Medit. Theater of Oper. U. S., 1945, 3: 245.—**Cameron, D. M.** The long leg cast. Med. Bull. U. S. Chief Surgeon Europ. Theater, 1944, No. 26, 4–7.—**Giannestras, N. J.** Management of ankle fractures and fractures of the tibial and fibular shafts at station hospitals and in battle casualty stations. Mil. Surgeon, 1944, 95: 474–81.—**Magliulo, A.** Sulla rotazione del frammento distale nelle fratture diafisarie isolate dell'ulna. Gior. med. mil., 1925, 73: 232–52.—**Milgram, J. E.** Closed fractures of leg and ankle. Bull. U. S. Army M. Dep., 1946, 5: 727–31.—**Niessen, H.** Schussfrakturen der Beine; ein Beitrag zur Frontchirurgie. Arch. orthop. Unfallchir., 1944, 43: 20; 29.—**Nikolsky, V. V.** Kharakteristika i tečenie ognestrelnykh ranenij goleni. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 262–74.—**Smyth, E. A.** A brief survey of the treatment of fractures of the leg and foot. J. R. Army M. Corps, 1941, 76: 147–52.—**Urist, M. R., Ries, L., & Quigley, T. B.** Improvised methods of management of compound fractures of leg. Bull.

U. S. Army M. Dep., 1947, 7: 396–8.—**Waugh, R. L.** Externa skeletal fixation used with ordinary extension splints in the treatment of fractures of both bones of the leg. Mil. Surgeon, 1948, 102: 188–91.

—— by site: Olecranon.

Beccherle, G. Sul trattamento delle fratture dell'olecrano. Gior. med. mil., 1912, 60: 730–7.—**Debrie, E. J.** Fracture en V de l'olécrane; suture osseuse; guérison. Arch. méd. pharm. mil., 1907, 50: 57–60.—**Fiolle, J.** Note sur les fractures de l'olécrâne par projectiles de guerre. Marseille méd., 1918, 55: 241–5.—**Simovich, M.** Frakture olekrana. Voj. san. pregl., Beogr., 1947, 4: 262.

—— by site: Patella.

Le Bec, Y. L. H. *Traitement des fractures ouvertes de la rotule en chirurgie civile et en chirurgie de guerre. 31p. 24cm. Par., 1940.

Coode, C. D. A case of osteo-chondral fracture of the patella. J. R. Nav. M. Serv., 1949, 35: 293–6, illust.—**Davis, J. W.** Fracture of the patella. Mil. Surgeon, 1927, 60: 314–8, 2 pl.—**Dumont & Verger.** Sur un cas de fracture ouverte de la rotule avec luxation postérieure totale complexe du tibia. Bull. Soc. méd. mil. fr., 1949, 43: 73.—**Fett, H. C., & Mackby, M. J.** Fractures of the patella. U. S. Nav. M. Bull., 1946, 46: 335–42.—**Pigeon.** Fracture transversale ouverte de la rotule; suture précoce, directe, aux crins longitudinaux; traitement ambulatoire. Bull. Soc. méd. mil. fr., 1925, 19: 68.—**Wheeler, J. W.** Original method for repair of fracture of the patella. Med. Bull. Veterans Admin., 1939–40, 16: 349.

—— by site: Pelvis.

See also **Plaster of Paris.**

Alexandrov, A. V. [Fractures of the pelvis among soldiers during peace] Voen. med. J., Moskva, 1930, 1: 75–81.—**Davidović, S.** [Fractures and dislocations of the pelvis] Voj. san. glasnik, 1934, 5: 726–49.—**Dobell, C. E.** Multiple fractures of pelvis—recovery. Mil. Surgeon, 1934, 75: 176.—**Elansky, N. N.** [Treatment of fractures of the pelvis, complicated by injuries of the bladder and urethra in field campaigns) Sovet. khir., 1934, 7: 85–97.—**Gardner, L. L.** An unusual complication of fracture of the pelvis. Mil. Surgeon, 1926, 58: 392–5.—**Westhues.** On the application of suspension to the pelvis. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 87–9.

—— by site: Radius.

Baudet. Fracture cunéenne interne peu fréquente de l'extrémité inférieure du radius. Bull. Soc. méd. mil. fr., 1929, 23: 10–2.—**Cabret & Dubois.** Fêlure du radius d'origine traumatique, ostéomyélite et septicémie consécutives. Rev. vét. mil., Par., 1936, 20: 423–9.—**Clavelin, Giraud & Tupin.** A propos d'un cas de fracture ouverte de Monteggia. Bull. Soc. méd. mil. fr., 1938, 32: 355–9.—**Hakala, E. W.** Fractures of head of radius. Surgeon Circ. M. Sect. Far East Command, 1948, 3: No. 2, 7–9.—**Morisson, R. A. F.** Les fractures parcellaires de la cupule radiale; signes cliniques et indications thérapeutiques. Arch. méd. pharm. mil., 1938, 88: 557–71.—**Perrigon de Troyes & du Bourguet.** Deux cas de fractures parcellaires de la tête radiale. Bull. Soc. méd. mil. fr., 1937, 31: 152–5.—**Price, S. H. R.** Fracture of the head of the radius. J. R. Nav. M. Serv., 1938, 24: 149.

—— by site: Rib.

See also **March fracture.**

Boué, A. De quelques relativités dans les fractures costales chez le dromadaire de bât nord-africain. Rev. vét. mil., Par., 1947, 2: 348–53.—**Lavezzo, P.** Sobre dos casos de fractura de primera costilla. Rev. san. mil. argent., 1949, 48: 77–80.—**Olmedo, R. F., & Díaz Roig, S.** La neurolisis intercostal como tratamiento en las fracturas de costillas. Rev. san. mil., Asunción, 1939–40, 13: 1075–9.—**Schnee, A. J.** [Method of treatment of fractures of the ribs] Voen. san. delo, 1942, No. 7, 22–6.

—— by site: Scapula.

Hutchinson, C. A. Impacted fracture of the neck of the scapula. J. R. Army M. Corps, 1934, 62: 62–5.—**Idrac.** Fracture du col chirurgical de l'omoplate. Bull. Soc. méd. mil. fr., 1935, 29: 205–8.—**Khanin, M. G.** Ognestrelnye perelomy lopatok. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 278–83.—**Morandi, G.** Postumi funzionali della scapolo-omerale da fratture da arma da fuoco corpo della scapola per retrazione dei muscoli scapolari. Gior. med. mil., 1947, 94: 216–22.—**Streckfuss, H.** Das traumatisch verursachte Schulterblattkrachen. Deut. Militärarzt, 1942, 7: 39–46.

—— by site: Spine.

See also **Spine.**

Watson Jones, R. Fractures of the spine sustained by R. A. F. pilots and the relationship of these injuries to Sutton harness, parachute harness and other equipment. 10 l. 23½cm. Lond., 1941

Forms F. P. R. C. 274, Gr. Britain Flying Pers. Res. Com.

Daniels, J. T. Fractures and dislocations of the spine in warfare. Am. J. Surg., 1946, 72: 414–23.—**Koehler, E. G.** Adaptations of the British fracture bed to orthopedic problems; application of plaster body jackets in hyper-extension of the spine. Med. Bull. U. S. Chief. Surg. Europ. Theatre, 1944, No. 20, 20–4.—**Lepeuple & Parneix.** Sur un cas de fracture du rachis traitée par la méthode de Böhler. Arch. méd. pharm. nav., Par., 1935, 125: 483–7.—**McCauley, J. C., jr.** Fractures and dislocations of the spine. Bull. U. S. Army M. Dep., 1948, 8: 451–7.—**Simazaki, S.** [Statistical observations on the spinal fractures admitted in the Sasebo naval hospital, with a report of laminectomy] Bull. Nav. M. Ass., Tokyo, 1938, 27: 463–74, 2 pl.—**Stammel, C. A.** Fracture of the spine. Mil. Surgeon, 1928, 63: 843–52.—**Talbot, A. E.** Le traitement des fractures fermées du rachis chez l'adulte. Rev. serv. san. mil., Par., 1936, 104: 1–28.—**Zimmerman, H. A.** A compression fracture of the spine. Bull. U. S. Army M. Dep., 1947, 7: 491.

—— by site: Tibia.

Basom, W. C., Breck, L. W., & Leonard, M. H. The use of tibial bolts. Mil. Surgeon, 1949, 105: 200–2.—**Campbell, A. J.** Fracture of the left tibia. U. S. Veterans Bur. M. Bull., 1929, 5: 458, pl.—**Cotte, G.** Résultat éloigné, après vingt-cinq ans, d'une résection primitive de l'extrémité inférieure du tibia pour plaie de guerre. Méd. Acad. chir., Par., 1940, 66: 519–23.—**Genz.** Periostale Auflagerung (Knochenhautentzündung?) am Schienbein mit Spontanfraktur. Veröff. Heer-San., 1935, No. 98, 69–75.—**Haebler, C.** Experiences with the marrow nail operation according to the principles of Kuentscher; tibia fractures. U. S. Armed Forces M. J., 1950, 1: 175–202, illust.—**Roca, C. A., Antelo, J. N., & Lazaroni, A. F.** Fractura de la superficie pre-espinal de la tibia. Rev. san. mil., B. Air., 1946, 45: 323–36.—**Silvis, R. S.** The treatment of fractures of the tibia on board ship. U. S. Nav. M. Bull., 1943, 41: 331–8.—**Stuck, W. G., & Dunlap, K.** End results of treatment of compound fractures of the tibia. Mil. Surgeon, 1949, 105: 282–6.—**Tête, H., Pellegrini, Y. L., & Dorland, J. A.** Sur un cas de fracture de la tubérosité antérieure du tibia par arrachement. Bull. Soc. méd. mil. fr., 1948, 42: 75.

—— by site: Vertebra.

Baker, R. E. Injuries involving the atlas and axis; with case report. U. S. Nav. M. Bull., 1939, 37: 547–53.—**Bradford, C. H., & Graham, W. C.** Hyperextension back brace for treatment of compression fractures of the vertebrae. Mil. Surgeon, 1946, 98: 40–2.—**Bunata, E. J.** Immobilization of cervical vertebra fracture in tropical climate. Bull. U. S. Army M. Dep., 1945, 4: 478.—**Burkle-de la Camp, H.** Functional treatment of vertebral fractures or Böhler's reduction. Bull. War M., Lond., 1941–42, 2: 187 (Abstr.)—**Castel Domingo, M.** Fracturas aisladas de las apófisis transversas de las vértebras lumbares; 4 casos de observación personal. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 257–62.—**Castro, T.** Las fracturas aisladas de las apófisis trasversas de las vértebras lumbares. Rev. san. mil., Caracas, 1942, 1: 19–31.—**Fractured** vertebrae. Accid. Bull. (U. S. A. Air Forces) 1945, Feb., 4–6.—**Frobisher, J. H. M.** Fracture of transverse process of fourth lumbar vertebra. J. R. Army M. Corps, 1928, 51: 215.—**Fuss, H.** Ueberlastungsschäden an den Knochen unter besonderer Berücksichtigung der Schipperkrankheit. Bull. War M., Lond., 1942–43, 3: 16 (Abstr.)—**Gómez y Gómez Sigler, J. J.** Fracturas aisladas de las apófisis transversas de las vértebras lumbares. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 789–92.—**Hall, P. A., & Morley, G. H.** Cases of injury to the vertebrae occurring in the Royal Air Force. War Med. Sympos., N. Y., 1942, 394–405.—**Julienne & Liscöet.** A propos d'un cas de fracture latente d'une apophyse transverse. Bull. Soc. méd. mil. fr., 1935, 29: 181–3.—**Kudienko, I. M.** [Rupture of the transverse processes of the vertebrae] Voen. med. J., Moskva, 1933, 4: 350–7.—**Leotta, N.** Le fratture isolate dei corpi vertebrali. Gior. med. mil., 1935, 83: 520–3.—**Nagayama, T.** [Statistical observation on fractures; on fractures of the vertebrae] Bull. Nav. M. Ass., Tokyo, 1937, 26: 653–65.—**Nicholson, J. T., & Allan, J. H.** Fractures of transverse processes of lumbar vertebrae. U. S. Nav. M. Bull., 1944, 42: 780–6.—**Weinbren, M.** Tomography of fractured vertebrae at the Chamber of Mines Hospital, Johannesburg. Bull. War M., Lond., 1942–43, 3: 266 (Abstr.)—**Weisswange, W. M. H., & Krolewsky, E.** Wirbelverletzungen durch Sturz auf die Gasmaskenbüchse. Deut. Militärarzt, 1944, 9: 236–8.

FRACTURE table.

See also **Orthopedics,** Apparatus.

Brady, T. A. A fracture table and a leg frame. Air Surgeon Bull., 1944, 1: No. 7, 22.—**Dorn, H. J.** Ein behelfsmässiger Beckengipstisch. Deut. Militärarzt, 1944, 9: 245.—**Lippert, K. M.** An improvised fracture table. Mil. Surgeon, 1945, 97: 503.

FRAGMENT.

For fragment of explosives see under **Ballistics,** wound.

FRAMBESIA.

Arje, S. L. Yaws treated with single massive doses of penicillin. U. S. Nav. M. Bull., 1947, **47**: 965–9.—**Butler, C. S.** The military-naval importance of yaws. In his Syphilis, 2. ed., Wash., 1939, 149–53.—**De Wytt, W. H. H. J.** The diagnosis and treatment of yaws among West African troops. J. R. Army M. Corps, 1943, **81**: 255–62.—**Hudson, E. H.** A footnote on yaws and syphilis. U. S. Nav. M. Bull., 1940, **38**: 172–6.—**Incidence** of yaws in the Caroline Islands. Statist. Navy M., 1947, **3**: No. 12, 12.—**Katzenstein, L.** A case of yaws in a white American soldier. Am. J. Syph., 1945, **29**: 340–4.—**Kinell, J.** Yaws; report of a case appearing in a white man. U. S. Nav. M. Bull., 1944, **42**: 187–92.—**LeFevre, I. D., jr, McDermott, K. F., & Venner, R. B.** Yaws survey on Nanumea atoll. Ibid., **43**: 739–41.—**Lofgren, R. C.** Yaws treated with penicillin; report of case. Ibid., 1025–30.—**Love, R. J. M.** Yaws. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 885.—**Lyons, H. A.** Yaws; report of a case appearing in a white man. U. S. Nav. M. Bull., 1944, **42**: 1168.—**Rifkin, H.** Yaws in a white soldier. Bull. U. S. Army M. Dep., 1945, No. 86, 81–3.—**Royere, M.** Haiti makes all-out effort against yaws. Mil. Surgeon, 1945, **97**: 321.—**Sargent, W. S.** A case of deformity due to yaws. Ibid., 1931, **68**: 179–82.—**Smith, F. H.** Charcot-like joints in yaws. U. S. Nav. M. Bull., 1946, **46**: 1832–43.—**Stubenbord, W. D.** Yaws treated with penicillin. Ibid., 1895–8.—**Whitehill, R., & Austrian, R.** Treatment of yaws with penicillin. Bull. U. S. Army M. Dep., 1945, No. 86, 84–91.—**Yaws** (frambesia) Ibid., 1946, **6**: 188.

FRAME.

See under **Fracture,** Apparatus; **Orthopedics,** Apparatus; also such terms as **Spine,** etc.

FRANCE.

For references to this country consult the following topics of the Military Section: **Dental service; Food rationing; Hospital report; Medical care; Medical center; Medical corps; Medical department; Medical examination; Medical organization; Medical service; Military medicine; Military surgeon; Morbidity; Navy Medical Corps; Navy Medical Service; Neuropsychiatric examination; Neuropsychiatry; Nursing service; Nutrition service; Pharmaceutical service; Pharmacist; Pharmacy; Physician; Prisoner of war; Psychiatry; Ration; Recruiting; Rehabilitation; Reserve officer; Sanitation; Surgery; Surgical service; Tuberculosis; Venereal disease; Veterinary corps; Veterinary service; Wars and campaigns; World War I; World War II.**

FRANCO-PRUSSIAN war (1870)

See under **Wars and campaigns.**

FRANCO-RUSSIAN war (1812)

See under **Wars and campaigns.**

FREEZING.

See **Cold; Cold injury; Frostbite; Injury.**

FRENCH revolution, (1789–1799)

See under **Wars and campaigns.**

FROSTBITE.

See also **Cold injury; Foot.**

Chinaglia, A. Il blocco anestetico del simpatico lombare nella cura dei congelati di guerra; tecnica e casistica. Gazz. med. ital., 1941, **100**: 329–49.—**Malan, R.** Il blocco anestetico del canale femorale nella cura dei congelamenti di 3° grado. Gior. med. mil., 1941, **89**: 780–9.—**Newburgh.** Report on the conference dealing with immersion foot and frostbite. Clin. Invest. Rep. (NRC) Wash., 1943, No. 16, 11.—**Noordin, R. M.** Chilblains; pathology; prophylaxis; treatment. S. Barth. Hosp. J. War Bull., Lond., 1939–40, **1**: 95.

FRUIT.

See under **Food.**

FUGUE.

See under **Epilepsy; War neurosis.**

FUMIGANT [incl. fumigation]

See also **Insect control.**

Blackwood, J. D., jr, **& Erskine, E. B.** Carboxide poisoning. U. S. Nav. M. Bull., 1938, **36**: 44.—**Reed, W. D.** Fumigation of Army buildings. Bull. U. S. Army M. Dep., 1944, No. 77, 77–86.—**Zanca, P.** Fumigation of barracks by sulphur dioxide. Ibid., 1943, No. 69, 76–8.

FUNGICIDE.

See also **Epidermophytosis.**

PETIT, D. W. Skin reactions to oxygen mask rubber impregnated with fungicides [2] l. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 385, U. S. Air Force School Aviat. M.

McNew, G. L. The use of fungicides during wartime. Exp. Sta. Rec., Wash., 1943, **89**: 223 (Abstr.)—**New** fungicidal ointment. Bull. U. S. Army M. Dep., 1945, No. 89, 15.—**Toxicity** (The) and potential dangers of fungicidal paints and varnishes containing phenyl mercuric salicylate, pentachlorophenol, and salicylanilide, when used to spray or coat registers, wiring, and coils of electronic devices. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 34.

FUNGI-PROOFING.

See under **Equipment,** medical.

FUNGUS infection.

See **Foot,** Mycosis; **Mycosis;** also **Dermatophytosis; Epidermophytosis.**

FURFUROL.

FINE, E. A., & WILLS, J. H. The pharmacology of furfuryl alcohol. 15p. 27cm. Army Chem. Cent., 1949.

Forms Rep. No. 223, Med. Div. Chem. Corps U. S. Army.

GAJEWSKI, J. E., ALSDORF, W. R., jr, & TILLMAN, R. B. The toxicity and pharmacological action of the furfuryl alcohols. 8p. 27cm. Bethesda, 1949.

Forms Rep. No. 9, Proj. NM ,011 015, U. S. Nav. M. Res. Inst.

FURUNCULOSIS.

See also **Dermatosis.**

Liles, J. H., jr. The local treatment of furunculosis with penicillin. U. S. Nav. M. Bull., 1947, **47**: 645–9.—**Nemenyi, G.** Jednoduché a úspěšné léčení furunkulosy. Voj. zdrav. listy, 1949, **18**: 265–7.—**Penicillin** therapy for furunculosis. Statist Navy M., 1947, **3**: No. 12, 2.

FUSION.

See **Aviator,** Eye; also **Vision.**

FUZE stripping personnel.

See also **Body armor.**

UNITED STATES. NAVAL MEDICAL RESEARCH INSTITUTE. Design and construction of a nylon armored suit for protection of fuze stripping personnel of the Bureau of Ordnance. 5p. 27cm. Bethesda, 1945.

Forms Rep. No. 5, Res. Project X–227, Nav. Med. Res. Inst. U. S.

GAIT.

See also **Foot; March.**

ELLSON, D. G., & HILL, H. The interaction of responses to step function stimuli; opposed steps of constant amplitude. 37 l. 27cm. Dayton, 1948.

Forms No. MCREXD–694–2P, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hartley, J. Gait and the soldier; importance of gait in the prevention and cure of foot strain and in the treatment of symptomatic flat feet. Mil. Surgeon, 1945, **96**: 177–82.

GALICIA.

See under **World War I.**

GALLBLADDER.

See also **Digestive system; Liver.**

Burlando, A. J. La colecistografía apuntada; su importancia en el diagnóstico de la litiasis biliar. Rev. san. mil., B. Air., 1941, **40**: 1021–5.—**Comeaux, W. D.,** jr. Cholecystitis, acute. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 5, 11–4.—**Haight, W. L.** Double gallbladder; report of a case. U. S. Nav. M. Bull., 1946, **46**: 117–9.—**Jaffe, N. B.** Gall bladder drainage. Mil. Surgeon, 1948, **103**: 464–9.—**Quadros, M.** Colecistitis gangrenosa; nota clínica quirúrgica. Med. & cir. guerra, 1948, **10**: 238.

GALLIPOLI.

See under **World War I.**

GALLIUM.

Dudley, H. C. Photofluorometric determination of gallium in tissues. 10p. 27cm. Bethesda, 1948.

Forms Rep. No. 1, Proj. NM 011 013, U. S. Nav. M. Res. Inst.

—— & Garzoli, R. F. Preparation and properties of gallium lactate. 4p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 011 013, U. S. Nav. M. Res. Inst.

Dudley, H. C., & Levine, M. D. Studies of the acute toxicity of gallium. 12p. 27cm. Bethesda, 1949.

Forms Rep. No. 3, Proj. NM 011 013, U. S. Nav. M. Res. Inst.

Dudley, H. C., Maddox, G. E., & La Rue, H. C. Studies of the metabolism of gallium. 10p. 27½cm. Bethesda, 1949.

Forms Rep. No. 4, Proj. NM 011 013, U. S. Nav. M. Res. Inst.

Dudley, H. C. Toxicity of gallium. Q. Project Summary Off. Nav. Res., 1948, July, 209.—**Photofluorometric** determination of gallium in tissues. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 16.—**Preparation** and properties of gallium lactate. Ibid., 17.

GAMMA radiation.

See **Radiation gamma.**

GANGRENE.

See also **Cold injury,** Immersion foot; **Gas gangrene.** See also such terms as **Disease**—by organs: Cardiovascular system; **Injury**—by organs: Blood vessels, etc.

Gangrene from defective circulation in the limbs. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 18.—**Gangrene** from defective peripheral circulation in the limbs. Bull. Army M. Dir., Lond., 1942, No. 10, 1.—**Pagès, F., & Mansour, M.** Dermite livédoïde de Nicolau. Bull. Soc. méd. mil. fr., 1947, **41**: 91.—**Teneff, S.** La gangrena nosocomiale. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 243.—**Williams, O. C.** Intravenous ether (diethyloxide) used in the treatment of cases of impending gangrene and impaired circulation. Mil. Surgeon, 1948, **103**: 388.

GARBAGE.

See also **Arctic service,** Medical aspect; **Incinerator.**

Clark, R. N., & Heifetz, A. Garbage disposal by grinding. Mil. Surgeon, 1943, **92**: 526–30.—**Garbage** disposal at a Pacific Ocean base. Bull. U. S. Army M. Dep., 1945, No. 88, 24–6.—**Garbage** rack [plan] In: Prev. Med. in World War II, Wash., 1948, **11**: pt 3, Chapt. 19, xh. B, after p. 46.—**Garbage** sump mat. Bull. U. S. Army M. Dep., 1944, No. 79, 32.—**Gordon, J. E.** Garbage. In: Prev. Me . in World War II, Wash., 1948, **2**: pt 9, 16.—**Haskins, C. A., & raig, R. H.** Disposal of garbage and waste. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 263–82.—**Stiles, W. W., & Foote, F. M.** Field garbage incineration. Bull. U. S. Army M. Dep., 1946, **5**: 680–90.

GARIGLIANO.

See under **World War II.**

GAS [of combat]

See also subsequent headings; also **Chemical agent; Explosive.** For intestinal gas see **Flatulence.**

Briffaut, R. *Notes sur les gaz de combat. 32p. 23½cm. Par., 1939.

Couillaud, J. J. P. Les gaz de combat. 2. éd. 174p. 18cm. Par., 1939.

Kendall, J. Breathe freely; the truth about poison gas. 179p. 12° Lond., 1938.

López Cobos, F. Gases de combate; enfermedades que producen y su terapéutica en el hombre y los animales; sistemas de protección individual y colectiva. 350p. 22½cm. Avila, 1934.

Reig Cerda, V. Gases de guerra. 284p. 23½cm. Valenc., 1939.

Arnaldo, J. Gazes de guerra. Rev. méd. Pernambuco, 1943, **13**: 258–62.—**Bijos, G. M.** Gases de combate. Rev. med. cir. Brasil, 1942, **50**: 785–99. Also Rev. med. mil., Rio, 1942, **31**: 485–504.—**Boettner, R.** Gases de combate. Rev. san. mil., Asunción, 1940–41, **14**: 343–81.—**Chopra, G. S.** War gases. Med. Surg. Suggestions, Madras, 1939, **8**: 369–81.—**Cunha, B.** Considerações em torno dos gazes de combate. Arq. brasil. cir., 1941, **9**: 217–26.—**Eugen, M.** Combat gases and the German doctrine. Chem. Warf. Bull., 1939, **25**: 25–33.—**Fisher, J. L.** War gases. Harefuah, Tel Aviv, 1939, **17**: No. 2, 1.—**Förster, A.** Kampfgase. In: Handwörterb. gerichtl. Med., Berl., 1940, 384–6.—**Forster, A.** War gases. Univ. Durham School M. Gaz., 1939–40, **40**: 148–50.—**Friend, A. W., & Tovell, R. M.** Gases encountered in warfare. Anesthesiology, 1942, **3**: 546–52.—**Gas** and gassing. Canad. M. Ass. J., 1940, **43**: 165.—**Gas** as a weapon. Chem. Warf. Bull., 1938, **24**: No. 1, 23–8.—**Gases** in warfare. Bull. san., Montréal, 1940, **40**: 28–30.—**Gray, G. W.** Gas as a weapon. In his Science at War, 3. ed., N. Y., 1943, 159–61.—**Kehoe, R. A., Kitzmiller, K. V., & Goldman, L.** Discussion of the lectures and demonstrations on war gases. Cincinnati J. M., 1942–43, **23**: 449.—**Lange, G.** Om krigsgas. Laegeforen. aarb., afd. 3, Kbh., 1935, **20**: 104–29.—**Leipert, T.** Ueber neuere Gaskampfstoffe. Wien. klin. Wschr., 1938, **51**: 549–51.—**Michăilescu, C. N., Bălănescu, I.** [et al.] Gazele de lupta. Rev. san. mil., Bucur., 1936, **35**: 1331–489.—**Modi, J. P.** War gases. In his Textb. Med. Jurispr., 6. ed., Bombay, 1940, 815–7.—**Morais Sarmento, D.** Gases de guerra; introdução; a onda da morte. Clín. hig. & hidr., Lisb., 1935, **1**: 407–9.—**Pakowska, O.** [A few words on war gases] Med. prakt., Poznań, 1934, **8**: 174–82.—**Parks, E. H.** Gas! J. Indiana M. Ass., 1940, **33**: 454.—**Parrilla Hermida, M.** Los gases de guerra. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 369–91.—**Phillips, A. W.** War gases. In: Cyclop. Med. (Piersol-Bortz) Phila., 1939, **6**: 763–7.—**Poison** gas. Physician Bull., 1942, **7**: 109–11.—**Poison** gases in warfare. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 25–7.—**Reaud, A.** Gases de guerra. San. & benef. mun., Habana, 1942–43, **2**: 291–308, ch.—**S., F. C.** War gases. Philadelphia M., 1942–43, **38**: 29.—**Shire, T. H.** Gas; an introduction to reality. Guy's Hosp. Gaz., Lond., 1938, **52**: 385–90.—**Silverman, M.** War gases. California West. M., 1942, **56**: 263.—**Smith, H. W.** War gases. Med. Bull., N. Y., 1941–42, **7**: 135–8.—**Tosta da Silva.** Saúde e hygiene naval: ligeiras considerações sobre os gazes de combate. Sciencia med., Rio, 1929, **7**: 118–33.—**War** gases. Iodine Facts, Lond., 1940–46, **1**: 53. Also Med. World, 1942, **60**: 553.—**War** gases in a nutshell, by The Kernel. Ulster M. J., 1939, **8**: 200–4.—**White, F. D.** Some notes on war gases. Univ. Manitoba M. J., 1937–38, **9**: 104–9.

—— Decontamination.

See **Decontamination.**

—— Production.

See also **Oxygen generator.**

Anthony, R. S. Tear gas generator; an improvised device for use in lengthy gas chamber exercises. Chem. Warf. Bull., 1942, **28**: 187.—**Hausser, G.** Les risques professionnels au cours de la fabrication des gaz de combat. Presse méd., 1940, **48**: 21.

—— Properties.

Sartori, M. The war gases; chemistry and analysis. 360p. 23½cm. N. Y., 1939.

Bardan, D., & Scarlatescu, N. L'influence de l'humidité sur l'absorption des gaz de combat; chlore, phosgène et chloropicrine par le charbon actif. Bull. Soc. chim. France, 1939, 5. sér., **6**: 46–55.—**Clemedson, C. J.** Nyare engelsk stridsgasforskning; en kort översikt över några centrala problem. Tskr. mil. hälsov., 1947, **72**: 25–37.—**Gomes da Costa.** Química de gases de guerra. Bol. Dir. serv. saúde mil., 1938, 377–98.—**Gunzin** igaku; doku-gasu no kihatu-sei [... the volatility of

poison-gas] Tōzai igaku, 1941, 8: 360.—**Pereira Forjaz, A.** Gases de guerra; química; toxicologia e defesa. Clín. hig. & hidr., Lisb., 1935, 1: 410–9.

—— Therapeutic use.

See also under specific names of war gases.

Gilman, A. Therapeutic applications of chemical warfare agents. Fed. Proc., Balt., 1946, 5: 285–92.—**Hopkins, S. J.** War gases in therapeutics. Manuf. Chem., Lond., 1948, 19: 338–40.

—— Types.

See also **Carbon monoxide; Explosives;** also specific names of war gases.

Bacq, Z. M. Travaux récents sur les toxiques de guerre; le BAL (British anti-lewisite) 48p. 25cm. Par., 1947.

Forms No. 8, Actual. biochim.

Drugov, J. Okis ugleroda. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1474–82.—**Glebovich, A.** Tetraetilsvinec [$(C_2H_5)_4Pb$] Ibid., 5: 484–8. —— Fosgen (CCl_2O) Ibid., 791–4. —— Khlor (Cl_2) Ibid., 909–12.—**Gray, G. W.** Chlorine, phosgene, mustard. In his Science at War, 3. ed., N. Y., 1943, 161–4.—**Skinner, J. F.** Poison war-gases in sewage. Sewage Works Engin., 1941, 12: 315.—**Strel'cov, V.** Karbogen. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1129–32.—**Tabun,** il gas che fa impazzire. Rass. giuliana med., 1948, n. ser., 4: 619.

GAS analysis.

Benzinger, T. H., & Kitzinger, C. A method for continuous recording of gas composition by means of an interferometer. 13p. 26½cm. Bethesda, 1948.

Forms Rep. No. 1, Res. Proj. NM 001 011, U. S. Nav. M. Res. Inst.

Edelmann, A. A method for the determination of water vapor tension in gases; a preliminary report. 2p. 28cm. Wash., 1945.

Forms No. 482, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Epstein, J., Sober, H. A., & Silver, S. D. Titration of acid gases by electrolytic generation of hydroxyl ion. 12p. 27cm. Edgewood Arsenal, 1945.

Forms No. 28, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Goldman, D. E., & Consolazio, W. V. Method of removing gas for analysis from collecting cylinder of a continuous flow sampling device. 2 l. 26½cm. Bethesda, 1945.

Forms Suppl. to Rep. No. 4, Res. Proj. X–417 U. S. Nav. M. Res. Inst.

Hall, F. G., Holmes, F. E., & Jordan, C. D. Micro gas analyser. 6 l. 27cm. Dayton, 1944.

Forms No. ENG–49–696–7F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hamilton, J. G., & Tobias, C. A. Technique of production of radioactive inert gases. 3p. 28cm. Wash., 1944.

Forms Rep. No. 400, Com. Aviat. M. U. S. Nat. Res. Counc.

Harvey, E. N., Barnes, D. K. [et al.] Removal of gas nuclei from liquids and surfaces. [1] l. 28cm. Wash., 1944.

Forms Rep. No. 407, Com. Aviat. M. U. S. Nat. Res. Counc.

Stevens, C. D., & Van Fossen, P. An oxygen absorbent for the Scholander quick gas analyzer. 5p. 28cm. Wash., 1943.

Forms Rep. No. 202, Com. Aviat. M. U. S. Nat. Res. Counc.

Turpin, F. H., Loomis, W. F. [et al.] Solubilities of gases in water and oils. 8p. 28cm. Wash., 1945.

Forms Rep. No. 455, Com. Aviat. M. U. S. Nat. Res. Counc.

Palmes, E. D., Albert, R. E., & Hart, J. J. A modification of the infrared gas analyzer for measurement of sweat rates over localized skin areas. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 2, No. 15, 1.—**Simonson, E.** A new precision pipette for volumetric gaseous analysis. J. Aviat. M., 1941, 12: 240–2.—**Yanagisita, Y.** Eisei zairyō kenkyū si; rika-gaku kensa-gu naiyō gasu bunseki-ki ni tuite [... the apparatus for the analysis of gases] Gun idan zassi, 1928, No. 177, 337–40.

GAS casualty.

See **Casualty,** Gas; **Decontamination.**

GAS chamber.

Marquand, C. B., Kethley, T. W., & Kriete, H. A. The construction and operation of a gassing chamber for human tests. 40p. 27cm. Edgewood Arsenal, 1945.

Forms No. 36, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Sokolov, P. I. [Ventilation of toxicological chambers by means of a thermal stimulator] Voen. san. delo, 1942, No. 11, 63–7.

GAS detection.

See also **Emergency medical service,** Air raid casualty.

Dansk farmacevtforening. Kemiske kampstoffer; haandbog for gassporere. 2. udg. 311p. 23½cm. Kbh., 1944.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208-23: Packordnung und Arbeitsvorschrift des Prüfgeräts für chemische Kampfstoffe, vom 1. 8. 43. 45p. 21cm. Berl., 1943.

—— [Heeres-Druckvorschrift] H. Dv. 395-6: Gasabwehrdienst aller Waffen. H. 6: Der Riechprobenkasten. 8p. 15cm. Berl., 1939

—— [Heeres-Druckvorschrift] H. Dv. 395-11a: Gasabwehrdienst aller Waffen. H. 11a: Die Gasspürgeräte, vom 25. 7. 41. 40p. 15cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 395-13: Gasabwehrdienst aller Waffen. H. 13: Der Gasanzeiger, vom 15. 3. 41. 31p. 15cm. Berl., 1941.

Great Britain. Air Raid Precautions Department. The detection and identification of war gases. 53p. 24½cm. Lond., 1939. Also another edition. 22½cm. N. Y., 1940. Also another edition 24½cm. Lond., 1941.

Jacobs, M. B. War gases; their identification and decontamination. 180p. 24cm. N. Y., 1942.

Rabinowitch, I. M. A. R. P. table of war gases; what they are, how to recognize them, what to do when gassed, first aid treatment. 7p. 20½cm. Ottawa, 1942.

Von der Heide, J. F. *Untersuchungen zur Auswahl der Gasspürer. 62p. 23cm. Berl., 1939.

Boyer, L., & Couillaud, J. Les gaz de combat; toxicologie; détection. Marseille méd., 1939, 76: pt 2, 341–418.—**Bruère, P.** La detección de los productos agresivos de la guerra llamada de los gases y el rol del médico. Monde méd. (Ed. españ.) 1941, 51: 117–26.—**Bubbler** set for war gas detection. Engin. News Rec., 1943, 130: No. 20, 68.—**Chemical** agent vapor detector kit. Bumed News Lett., Wash., 1945, 5: 19.—**Detection** of toxic gases. Chem. Warf. Bull., 1937, 23: 95–100, 2 fig.—**Falkof, M. M., & Gehauf, B.** New gas sentinels. Ibid., 1944, 30: 38–40.—**Flury.** Die Gefahren des Luftkrieges mit besonderer Berücksichtigung der ärztlichen Aufgaben; Unterscheidung der Kampfstoffe, ihre Prophylaxe und Therapie. Zschr. ärztl. Fortbild., 1939, 36: 577–84.—**Gas** detection; far cry from canaries and snails of World War I to detection kits of today. Chem. Warf. Bull., 1943–44, 29: No. 4, 27–30.—**Gigon, A., & Noverraz, M.** Détection de gas de guerre. Schweiz. med. Wschr., 1939, 69: 859.—**Gordon, J. E.** Kit water testing poisonous. In: Prev. Med. in World War II, Wash., 1948, 2: pt 8, 3.—**Hamel, A.** Gasspürerausbildung. Mil. Wbl., Berl., 1937–38, 122: 2430.—**Identification** (The) of war gases; details of the new A. R. P. service. Pharm. J., Lond., 1939, 89: 397.—**Jaubert, G. F.** [Comment est organisé le service de la détection dans le département de la Seine] Deut. Militärarzt, 1940, 5: 440 (Abstr.)—**Long, L. R.** Gas reconnaissance. Australas. J. Pharm., 1942, 23: 46.—**Lutteral, E. C.** Detectores de gases tóxicos. Rev. mil., B. Air., 1940, 40: pt 2, 1197; passim.—**Meiter, E. G.** Modern methods of gas detection and control. Tr. Nat. Safety Counc., 1939, 28. Congr., 1: 55–60.—**Stan, I., & Ionescu, P. S.** Despre detectarea gazelor de luptă. Rev. san. mil., Bucur., 1936, 35: 444; 563; 1039; 1161.—**Telbisz, A.** [Recognition of war gases]

Orv. hetil., 1939, **83**: mell., 102–4.—**Typical** war gases and their recognition. Mod. Hosp., 1942, **58**: No. 3, 73.—**Vastagh, G.** Az arzéntartalmú harcgázok kimutatásáról élelmiszerekben. Közl. Magyar Orsz. Közegész. Int., 1940, **13**: No. 41, 1–19.

GAS edema.

See also **Gas gangrene; Head injury, Infection; Wound infection, Clostridial.**

Beck, H. Zur Gasödembehandlung. Deut. Militärarzt, 1943, **8**: 98–100.—**Bingold, K.** Ueber Gasödeminfektionen. Med. Klin., Berl., 1940, **36**: 237–9.—**Bothe.** Behandlung des malignen Oedems mit dem Sauerstoffbehandlungsgerät des Heeres. Zschr. Veterinärk., 1942, **54**: 206–9.—**Domagk, G.** Neuere Untersuchungen zur Behandlung der Gasödeminfektionen mit Sulfonamidpräparaten. Bull. War M., Lond., 1942–43, **3**: 70 (Abstr.)—**Dormanns, E.** Ueber das Gasödem der Kriegswunden. Zbl. Chir., 1942, **69**: 610–28. Also Bull. War M., Lond., 1942–43, **3**: 69 (Abstr.)—**Griessmann, H.** Ueber Gasödemerkrankungen. Deut. Militärarzt, 1942, **7**: 296–302. Also Bull. War M., Lond., 1942–43, **3**: 252 (Abstr.)—**Klose, F.** Gasödem. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 119–25. ——— & **Schröer, W.** Chemo- und Serumtherapie bei der Infektion mit Gasödemerregern im Tierversuch. Bull. War M., Lond., 1942–43, **3**: 191 (Abstr.) ——— Tierexperimenteller Beitrag zur Chemo- und Serumtherapie des Gasödems. Ibid., 311 (Abstr.)—**Pohl, R.** Röntgendiagnostik des Gasödems. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 566–78.—**Schmidt-Lange, W.** Gasödem und Abschnürung. Bull. War M., Lond., 1942–43, **3**: 7 (Abstr.)—**Schröer, W.** Chemo- und Serumtherapie in ihrer Einwirkung auf die histologischen und bakterioskopischen Befunde bei der Infektion mit Gasödemerregern im Tierversuch. Ibid., 253 (Abstr.)—**Simon-Weidner, R.** Latentes Gasödem. Deut. Militärarzt. 1944, **9**: 288.—**Teneff, S.** L'edema maligno. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 242.—**Tóth, B.** Das Diathermiemesser in der Behandlung des Gasödems. Bull. War M., Lond., 1942–43, **3**: 130 (Abstr.)

GAS flowmeter.

See **Flowmeter.**

GAS gangrene.

See also **Gas edema; Wound infection.**

LARDENNOIS, G., & BAUMEL, J. Les infections gangréneuses des membres consécutives aux plaies de guerre. 248p. 22cm. Par., 1920.

Bibliogr.: p. 221–41.

Altemeier, W. A., & Furste, W. L. The problem of gas gangrene. In: Advance. Mil. Med., Bost., 1948, **1**: 140–8.—**Brandt, H.** Gesäßsteckschuss und Gasbrand. Deut. Militärarzt, 1943, **8**: 295–7.—**Clinical** picture of Cl. oedematiens gas gangrene. Bull. Army M. Dep., Lond., 1943, No. 24, 1.—**Coenen.** Gas gangrene. Bull. War M., Lond., 1941–42, **2**: 165 (Abstr.)—**Complications** of war wounds; gas gangrene. Bull. Army M. Dir., Lond., 1941, No. 2, 2.—**Cooke, W. T., Peeney, A. L. P.** [et al.] Clostridial infections in war wounds. Lancet, Lond., 1945, **1**: 487–93.—**Coudane.** Un cas de gangrène post-traumatique de la face. Bull. Soc. méd. mil. fr., 1946, **40**: 104–7.—**Curry, J.** Shrapnel wounds with gas gangrene. Nurs. Times, Lond., 1940, **36**: 899.—**D'Abreu, A. L.** Gas gangrene. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 115–21. ——— & **Bailey, H.** Gas gangrene. Ibid., 2. ed., Balt., 1942, **1**: 128–36.—**Eagles, G. H.** Gas-gangrene. J. R. Army M. Corps, 1946, **87**: 201–8.—**Eliot, E., jr.** Gas gangrene. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 265–83, 3 pl.—**Endō, T.** [Study on the bacilli associated with gas gangrene isolated from dust from naval vessels] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 506–9.—**Frankau, C.** Common infections of wounds; tetanus and gas gangrene [War wounds and air raid casualties] Brit. M. J., 1939, **1**: 989–91.—**Gas** gangrene. J. R. Army M. Corps, 1940, **75**: 316–21. Also Bull. Army M. Dep., Lond., 1944, Suppl., No. 15, 1–7.—**Gas** gangrene; an illustrative case. Ibid., No. 39, 2.—**Gas** gangrene; increased risks and better methods. Bull. War M., Lond., 1943–44, **4**: 687–90.—**Hindhaugh, A.** Gas gangrene at sea. J. R. Nav. M. Serv., 1941, **27**: 158–63.—**Hoche, O.** Die putride Wundinfektion. Med. Klin., Berl., 1940, **36**: 1186.—**Houck, C. D.** Gas gangrene. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **4**: No. 2, 9–14.—**Jaeger, F.** Gasbrand. In: Kriegschir. Ratgeber, Berl., 1941, 184–8.—**Knoflach, I. G.** Ueber Wundinfektion und Wundbehandlung (Gasbrand, Tetanus) In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 71–99.—**Konar, N. R.** A case of gas gangrene. Ind. M. Gaz., 1942, **77**: 678.—**Krumm, J. F.** Is gas gangrene a misnomer? Bull. U. S. Army M. Dep., 1945, **4**: 440–4.—**Lenner, S.** Erfahrungen mit Gasbranderkrankungen im Felde. Münch. med. Wschr., 1940, **87**: 1123 (Abstr.) Also War Med., Chic., 1943, **3**: 660 (Abstr.)—**Martin, P. G. C.** A case illustrating the early onset of gas gangrene. J. R. Nav. M. Serv., 1942, **28**: 388.—**Massons, J. M., & Broggi, M.** La gangrena gaseosa en cirugía de guerra. Medicina, Madr., 1942, **10**: 128–43.—**Nesgovorov, V. E.** [Bacteriological diagnosis of gas infection under war conditions] J. mikrob., Moskva, 1944, No. 9, **31**.—**Nikishin, K. E., & Struganova, A. G.** [Rare case of a gaseous abscess] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 301–5.—**Onoda, H.** Gasu-eso ni kan-suru tiken hoi [Supplementary report on gas-gangrene] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 643–50.—**Pfanner, W.** Ueber die Infektionen mit gasbildenden Bakterien. Deut. Militärarzt, 1943, **8**: 92–7.—**Plătăreanu, V. M.** Ueber Gasgangrän; persönliche Erfahrungen im jetzigen Kriege 1942. Zbl. Chir., 1942, **69**: 1320–8. Also Bull. War M., Lond., 1942–43, **3**: 310 (Abstr.)—**Pôrto, E. M.** Estudo sintético sobre a gangrena gasosa no V Exército Aliado. Rev. méd. cir. Brasil, 1944, **52**: 303; 667.—**Rebaudi, F., & Miani, B.** La cancrena gassosa nelle nostre colonie in guerra e in pace; considerazione cliniche e terapeutiche. Gior. med. mil., 1941, **89**: 241–53. Also German transl., Schweiz. med. Wschr., 1941, **71**: 1629 (Abstr.)—**Rendering** of reports on gas gangrene. Bull. Army M. Dep., Lond., 1942, No. 17, 8. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 9.—**Roca, C. A., & Antelo, J. N.** Aspecto radiográfico de la gangrena gaseosa. Rev. san. mil., B. Air., 1942, **41**: 681 (Abstr.)—**Rodgers, H. W.** Gas gangrene. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 119–23.—**Rzepecki, W.** Zgorzel gazowa. Lek. wojsk., 1942, **34**: 228–35.—**Shaposhnikov, N. I.** Gazovaja infekcija. In: Voen. med. Leningr. fronte (Russia. Armija. Glavn. voen. san upravl.) Moskva, 1946, 214–8.—**Staehle, M. E., & Ruehlman, D. D.** Gas gangrene infection in combat area; report of 13 cases. U. S. Nav. M. Bull., 1945, **44**: 1069.—**Starkey, D. H., & Morton, H. S.** Infected wounds; gas gangrene and tetanus. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 6, 15–24.—**Stock, A. H.** Anaerobic spore-bearing flora of gas gangrene, Italy. Med. Bull. Medit. Theater of Oper. U. S., 1944, **2**: 159–62.—**Teneff, S.** La gangrena gassosa. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 226–42, illust., pl.—**Trueta, J.** Gas gangrene. In his Principl. & Pract. War Surg., S. Louis, 1943, 93–118, illust.—**Urrutia, J. M.** Gangrena gaseosa; diagnóstico y tratamiento. Rev. san. mil., B. Air., 1943, **42**: 716–22.—**Wildegans.** Result of arteriographic studies of gas gangrene. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 94–6.

—— Pathology.

BIELING, R., & NORDMANN, M. Kriegserfahrungen zur Pathologie und Therapie des Gasbrandes. 80p. 24½cm. Jena, 1941.

Forms H. 47, Veröff. Konst. Wehrpath.

COUPAL, J. F. Pathology of gas gangrene following war wounds. p.407–567. 10 pl. 26cm. Wash., 1929.

In: Med. Dep. U. S. Army in the World War, vol. 12.

Guerreri d'Antona, G. Inclusioni gassose traumatiche e gangrena gassosa, nelle ferite di guerra. Policlinico, 1944, **51**: sez. chir., 225–38.—**Heller, E.** Blutleere und Gasbrand. Deut. Militärzt, 1941, **6**: 9.—**Kulichkov, N. A., & Zhmur, V. A.** [Gas infection after the data of S. F. A.] Voen. med. J., Moskva, 1945, June, 31–7.—**Lippelt, H.** Beobachtungen über die Verbreitungsweise der Bacillen der Gasbrandgruppe im menschlichen und tierischen Organismus. Deut. Militärarzt, 1941, **6**: 144–8. ——— Also War Med., Chic., 1943, **3**: 664 (Abstr.)—**Yachnin, S.** Infection of war wounds by Clostridium organisms (gas gangrene) Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 29, 19–27.

—— Prevention.

Altemeier & Logan. Immunization against gas gangrene. Res. Program U. S. Army M. Res. Bd, 1946, July, 103–5. ——— Immunization against gas gangrene; the nature and control of clostridial infections. Ibid., Oct., 112.—**Gorinevskaia, V. V.** [Anaerobic gaseous infection; its prevention and control in military zones] Ortop. travmat., Kharkov, 1941, **15**: No. 2, 4–18.—**Halford, F. J.** Gas gangrene and tetanus; their prevention and management in war wounds. Hawaii M. J., 1941–42, **1**: 169.—**Investigations** reported in War Medicine of experimental control and prevention of one of deadly foes of the wounded. Am. M. Ass. News, 1942, Feb. 8, 1.—**Ivánovics, G., Gieszer, N.** [et al.] Chemotherapie der Kriegsverletzungen, bzw. ihre Prophylaxe mit Rücksicht auf die Gasphlegmone. Zbl. ges. Hyg., 1943, **51**: 58 (Abstr.)—**Meyrelles do Souto, A.** Prophylaxie de la gangrène gazeuse et du tétanos. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 185–7.—**Pfaff, R.** Gasbrand und Gasbrandprophylaxe. Deut. Militärarzt, 1944, **9**: 315–7.—**Prophylactic** use of gas gangrene anti-toxin. Bull. War M., Lond., 1941–42, **2**: 165 (Abstr.)—**Schöne, G.** Prophylaxis and treatment of gas gangrene. Ibid., 166 (Abstr.)—**Schreus, H. T.** Chemoprophylaxis of gas gangrene; local application of sulphonamides and results obtained under approximately natural conditions, lacerated wounds contaminatcd with earth. Ibid., 448 (Abstr.) ——— & **Peltzer, E.** Chemoprophylaxis of gas-gangrene; communication experimental soil-infections by Friedrich's technique. Ibid., 268–70 (Abstr.)—**Stewart, S. E.** Antigenic value of Clostridium perfringens, Clostridium welchii, toxoid in prevention of gas gangrene. War Med., Chic., 1942, **2**: 87–98.

—— Treatment.

Bonnin, N. J., & Fenner, F. Local implantation of sulphanilamide for the prevention and treatment of gas gangrene in heavily contaminated wounds; a suggested treatment for war wounds. Med. J. Australia, 1941, **1**: 134–40.—**Chernaia, L. A.** Nekotorye eksperimentalnye dannye o mekhanizme dejstvija protivogangrenoznoj syvorotki; značenie antitoksina pri passivnom immunitete. Voen. san. delo, 1940, No. 8, 65–9. Also Bull. War M., Lond., 1941–42, **2**: 538 (Abstr.)—**Cozen, L.** The therapy of gas gangrene. Mil. Surgeon, 1940, **87**: 231.—**Curtillet, E.** La pénicilline dans les gangrènes gazeuses. Réun. méd. chir. Armée fr., 1946[?] num. spéc., 69–71.—**Deno, R. A.** New weapons against gas gangrene; specter of the battlefield yields to chemotherapy, danger of dirt infections in war wounds lessened. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, **3**: 114–6.—**Gudeke, N.** Tratamiento quirúrgico de la gangrena gaseosa. Rev. san. mil., B. Air., 1942, **41**: 385–7.—**Jablons, B., & Krebs, L. H.** Diagnosis and treatment of infectious (gas) gangrene. Mil. Surgeon, 1943, **92**: 394–413.—**Kirk, N. T.** Prophylaxis and treatment of gas gangrene (Cl. welchii) by sulfanilamide. Army M. Bull., 1940, **51**: 46–8.—**Kolpakova, E. G.** [La lutte contre l'infection anaérobique gazeuse et son traitement au rayon de placement de la division] Khirurgia, Moskva, 1940, No. 9, 19.—**Langley, F. H., & Winkelstein, L. B.** Gas gangrene: a study of 96 cases treated in an evacuation hospital. J. Am. M. Ass., 1945, **128**: 783–92.—**Lenner, S.** Erfahrungen mit Gasbranderkrankungen im Felde; aus einem Feldlazarett im Westen. Chirurg, 1940, **12**: 481–6.—**Mirfaiziev, M.** Otkrytyj sposob lcčenija gazovoj infekcii. Voen. med. J., Moskva, 1947, No. 2, 15–7.—**Ojea Rabasa, R.** Profilaxis y tratamiento de las infecciones gangrenosas de las heridas de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 250–9.—**Piollet.** Surgical varieties and treatment of gas gangrene. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 772–4.—**Rodés de Sisternes, L.** Sintomatología precoz y tratamiento de la gangrena gaseosa en heridas de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 284–7.—**Rosenthal, G.** A propos des plaies de guerre; utilité d'un traitement spécifique anti-perfringens dans les manifestations de la gangrène gazeuse. Rev. path. comp., Par., 1915, **15**: 257–60.—**Ryvlin, J. B.** On the treatment of gas gangrene. Bull. War M., Lond., 1941–42, **2**: 445–7 (Abstr.)—**Schreus, H. T., Brauns, A., & Schummer, H.** Comparison of the action of various sulphonamide compounds on gas gangrene infections produced by bacterial cultures, Cl. welchii, Cl. oedematiens and Cl. septique, and considerations to be remembered in this connexion. Ibid., 447 (Abstr.)—**Smithers, D. W.** The X-ray treatment of gas gangrene. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 122–4; 2. ed., Balt., 1942, **1**: 137–9.—**Tuchel, V., & Curcumeli, J.** Betrachtungen über den Gasbrand und seine Behandlung im gegenwärtigen Kriege. Zbl. Chir., 1942, **69**: 861–4. Also Bull. War M., Lond., 1942–43, **3**: 130 (Abstr.)—**Use of gas gangrene antitoxin.** Bull. Army M. Dep., Lond., 1943, No. 30, 3–5.—**Zhuravlev, P. M.** [Prophylaxis and treatment of gas gangrene with anaerobic bacteriophages] Voen. san. delo, 1943, No. 8, 24–30. ——— & **Pokrovskaja, M. P.** Fagoprofilaktika i fagoterapija gazovoj gangreny. In: Dost. sovet. med. Otеč. vojny, 1943, **1**: 118–24.

GAS mask.

See also **Oxygen mask.**

Canada. Director of Civil Air Raid Precautions. Your gas mask. Rev. ed. 3p. 16cm. Ottawa, 1942.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 395/2a: Gasabwehrdienst aller Waffen. H. 2: Die Gasmaske 30. v. p. [37]p. 15cm. Berl., 1939.

—— [Heeres-Druckvorschrift] H. Dv. 395/7: Gasabwehrdienst aller Waffen. H. 7: Das Heeres-Sauerstoffschutzgerät, vom 1.8.39. 32p. 15cm. Berl., 1939.

—— [Heeres-Druckvorschrift] H. Dv. 395/8: Gasabwehrdienst aller Waffen. H. 8: Der Heeresatmer, vom 26.10.37. v. p. [28]p. 15cm. Berl., 1938.

United States. War Department. Technical manual TM 3–205: The gas mask. 144p. 21½cm. Wash., 1941. Also another edition. 31p. 21½cm. Wash., 1943.

—— Technical manual TM 3–205 C 1: The gas mask. 4p. 21½cm. Wash., 1943.

—— Technical bulletin TB MED 169: Technique for applying gas mask to a helpless patient. 15p. 26cm. Wash., 1945.

Baby's gas helmet drill. Nurs. Times, Lond., 1940, **36**: 308.—**Baum, E.** Die Gasabwehr in der Nachkriegszeit; Einzelschutz; Gasmasken; Deutschland. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 414–36.—**Goncharov, P. I.** Protivogaz dlja ranenykh. Voen. san. delo, 1941, No. 4, 27–34.—**Haase-Lampe, W.** Die Gasabwehr in der Nachkriegszeit; Einzelschutz; Sauerstoff-Schutzgeräte; Fremdstaaten. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 468–83. ——— Der Gasschutz unserer Gegner. Gasschutz, 1943, **13**: 9; 178. ——— Der Gasschutz unserer Gegner; Filtergeräte und Sauerstoff-Schutzgeräte. Ibid., 201; 221; 244.—**Hanslian, R.** Die Gasabwehr; Einzelschutz; Gasmasken. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1**: 190–227.—**Harvey, W.** Some aspects of dentistry in relation to aviation. Dent. Rec., Lond., 1944, **64**: 199–209.—**Kaiser, J.** Putting over gas mask drill. Chem. Warf. Bull., 1940, **26**: 57–67.—**Leahy, M. A.** Universal gas mask drill; a consolidation of present gas mask drills of the Army (optical) Navy and Coast Guard. Ibid., 1943–44, **29**: 114–25.—**MacMillan, K. D.** Gas mask spectacle pliers. Mil. Surgeon, 1943, **93**: 375.—**Mehl, H. G.** Die Gasabwehr in der Nachkriegszeit; Einzelschutz; Gasmasken; Fremdstaaten. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Ber., 1937, **1**: 436–53.—**Miles, J. L.** Fitting the gas mask. Chem. Warf. Bull., 1944, **30**: No. 3, 36–8.—**Predtechensky, B.** Protivogaz. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 901–6.—**Protection** against gas bombs [German] respirator for British soldiers [illustr.] See Collect. of pictures in Library.—**Technique** for applying gas mask to a helpless patient. War Dep. Techn. Bull., 1945, No. 169, 1–15.—**Waitt, A. H.** The gas mask. In his Gas Warfare, N. Y., 1942, 171–94, 2 pl. ——— Use of civilian gas mask. Ibid., 301.—**Wilson, A.** Evolution of the American gas mask. Chem. Warf. Bull., 1943–44, **29**: No. 7, 15.

—— Effect.

Dumke, P. R., & Comroe, J. H., jr. The effect of the resistance of the gas mask canister on cardiac output in the resting subject. 6 l. 22cm. Edgewood Arsenal, 1944.

Forms No. 3, Rep. Med. Div. Chem. Warf. Serv. U. S. Army.

—— Himmelfarb, S., & Whittenberger, J. L. The effect of the resistance to inspiration imposed by the combat gas mask canister on the ability of soldiers to do exhaustive work in temperate and in simulated tropical conditions. 15 l. 22cm. Edgewood Arsenal, 1944.

Forms No. 9, Rep. Med. Div. Chem. Warf. Serv. U. S. Army. Photostat.

Jones, E. C. Notes on treatment of respirator dermatitis. Brit. M. J., 1943, **1**: 757.—**Lee, D. H. K., White, C., & Kiemm, G.** Effect of respirator (anti-gas) upon gun sighting performance. Secret Rep. Fatigue Lab. Nat. Health Med. Res. Counc. Australia, 1944, No. 2, 1–3, 3 tab.—**Nowak, A., & Markiewicz S.** W sprawie widzenia w masce przeciwgazowej typu R. S. C., Lek. wojsk., 1929, **13**: 181–5.—**Robinson, S., & Gerking, S. D.** Heat stress imposed by gas masks. Clin. Invest. Rep. (OSRD) Wash., 1945, No. 64, 1.—**Santoro, N.** Ricerche sul comportamento del senso luminoso, del senso cromatico e della pupilla in soggetti sottoposti a respirazione contro resistenza (maschera antigas) Gior. med. mil., 1941, **89**: 744–51.

—— Hygiene and care.

Byrne, A. F., Hammond, C. W., & Wilson, C. E. Gas mask disinfection. 16p. 27cm. Edgewood Arsenal, 1946.

Forms No. 64, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 395/3: Gasabwehrdienst aller Waffen. H. 3: Reinigen des Gaschutzgeräts, vom 1.8.41. 15p. 15cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 395/4: Gasabwehrdienst aller Waffen. H. 4: Prüfgerät für Gasmasken, vom 8.6.37. 16p. 15cm. Berl., 1937.

Wilson, C. E., & Wiles, J. S. A study of quaternary ammonium salts as gas mask disinfectants. 17p. 26½cm. Army Chem. Cent. 1949.

Forms No. 206, Rep. Med. Div. Chem. Corps U. S. Army.

Caldwell, W. E. Disinfecting gas mask facepieces; comprehensive discussion of the merits and demerits of various known methods of disinfecting facepieces. Chem. Warf. Bull., 1942, **28**: 48–51.—**Haase-Lampe, W.** Augenfenster-Luftspülung nach dem Prinzip Tissot, angewendet in Gasmasken. Gasschutz, 1943, **13**: 186; passim.—**Landis, J. M.** Care and distribution of gas masks. Operat. Letter U. S. Off. Civ Defense, 1943, No. 106, 1.—**Meyer.** Das neue Prüfgerät für Gasmasken beim deutschen Heer. Gasschutz, 1943, **13**: 263.—**Scheer, W.** Prüfgerät für den Atemwiderstand von Filterein

sätzen durch Verwendung einer Stauscheibe. Ibid., 1942, **12:** 220.—**Smirnov, S. G.** [Gas method for determining the clearance in a gas mask] Voen. san. delo, 1942, No. 7, 53–7.

—— Types.

Canada. Director of Civil Air Raid Precautions. Anti-gas protective helmet for babies. 8p. 18½cm. Ottawa, 1943.

Reisz, J. *Contribution à l'étude de la protection contre les gaz de combat par les appareils filtrants. 44p. 8° Par., 1938.

Bangert, F. Der Gasschutz unserer Gegner; Kampfstoff-Filter. Gasschutz, 1943, **13:** 136–41.—**Calderwood, H. N.** Gas mask carbon; past and present problems in connection with the procurement of activated charcoal are explained. Chem. Warf. Bull., 1942, **28:** 102–6.—**Cot & Génaud.** La protection des enfants et la guerre chimique; l'entraînement des tout-petits au port du masque. Nourrisson, 1939, **27:** 336–52.—**Dally, P.** Presentation d'un appareil pour les inhalations médicamenteuses et la protection contre les gaz de guerre. Bull. Soc. méd. Paris, 1939, 385–7.—**Fabrication** (Sur la) et vente des appareils de protection contre les périls aérotoxiques [décret] Bull. Min. san. pub., Par., 1936, 305–9.—**Gas mask** for war dogs [illustration] J. Am. Vet. M. Ass., 1945, **106:** 87.—**Gas masks** for patients with head wounds. Bull. U. S. Army M. Dep., 1945, No. 84, 26.—**Head** wound gas mask designed by Chemical Warfare Service. J. Am. M. Ass., 1944, **126:** 901.—**Mehl, H. G.** Die Gasabwehr in der Nachkriegszeit; Einzelschutz; Sauerstoff-Schutzgeräte; Deutschland. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1:** 454–68.—**Plastics** in gas masks; a discussion on plastic parts in, and a complete history of, the modern gas mask. Chem. Warf. Bull., 1942, **28:** 196–205.—**Rankin, S. M.** Corrugated hoses for gas masks. Ibid., 1941, **27:** 163–5.—**Rothschild, J. H.** Assault service gas mask. Ibid., 1943–44, **29:** No. 7, 17–23.—**Snow, R. D.** Molding plastics for protective equipment. Ibid., 1940, **26:** 137–45.—**Storesund, M. S.** Antidim for gas masks. Ibid., 68–71.—**Unger, C.** Die Vorteile der Gasmaske 38 gegenüber der Gasmaske 30. Gasschutz, 1943, **13:** 262.

GASOLINE burner.

See **Burner; Heater.**

GAS poisoning.

See also subsequent headings; also **Carbon monoxide,** Poisoning; **Chemical agent; Flame; Injury; Oxygen poisoning.**

Leake, C. D. Suggested readings on medical aspects of war gas injury. Leaflet. 28cm. S. Franc., 1942.

Barot, L. Mémento clinique et thérapeutique des gaz de combat. Arch. méd. Angers, 1939, **43:** 92–103.—**Hurst, A.** Gas poisoning. In his Med. Dis. War, 2. ed., Lond., 1941, 409–24; 3. ed., Lond., 1943, 475–91.—**Mazel, P., & Robin, P.** Les gaz de guerre; étude clinique et thérapeutique. J. méd. Lyon, 1938, **19:** 689–703.—**Navarre, P.** Lesiones y trastornos debidos a los gases de combate. Monde méd. (Ed. españ.) 1941, **51:** 80–7. Also Bol. Col. méd. Habana, 1942, **5:** No. 2, 9; 24.—**Poole, L. T.** Gassing and poison gases in war. In: Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1937, **5:** 502–32.—**Rabinowitch, I. M.** Chemical warfare in peace. McGill M. J., 1944, **13:** 139–49.—**Rose, H. M.** Symposium on war medicine; war gas injuries among the civilian population. J. M. Soc. Co. New York, 1942, **1:** No. 27, 5–8.—**Stalker, W. W.** Common household cleaning fluid plus heat equals deadly war gas. Bull. Dep. Health Kentucky, 1947–48, **20:** 914.—**Suggested** readings on medical aspects of war gas injury. California West. M., 1942, **57:** 162.

—— Asphyxiating gas.

See also **Carbon monoxide.**

Carmona, L. I gas asfissianti; brevi notizie sugli aggressivi chimici, considerati specialmente dal punto di vista medico. Riv. san. sicil., 1933, **21:** 567; 647.—**Gerard, R. W.** Recent research on respiratory irritants. In: Advance. Mil. Med., Bost., 1948, **2:** 565–87.—**Hurst, A. F.** Lung irritant (asphyxiant) gases. In his Med. Dis. War, 3. ed., Lond., 1943, 476–83. —— Nasal irritants. Ibid., 490.—**Lorenti, G. B.** Episodio di intossicazione de gas cloro. Ann. med. nav., Roma, 1938, **44:** 452.—**Moyens** (Les) thérapeutiques à employer en matière d'asphyxie par gaz de combat. Clinique, Par., 1937, **32:** 296.—**Schwarz, F.** Uebersicht über die für den Militärarzt bedeutungsvollen Atemgifte. Schweiz. med. Wschr., 1943, **73:** 286–9.—**Waitt, A. H.** The choking or suffocating gases. In his Gas Warfare, N. Y., 1942, 38–46.

—— Classification.

Agrelo, R., & Franci, J. M. Los gases de combate; historia y clasificación. Rev. méd. lat. amer., B. Air., 1942–43, **28:** 37–42.—**Cot & Moynier.** Classification et symptomatologie des gaz de combat. Monde méd., 1939, **49:** 554–63. Also Spanish transl., Monde méd. (Ed. españ.) 1941, **51:** 67–79.

—— Diagnosis.

Barre, C. [Diagnosis of injuries caused by war-gases and other injurious gases in field and cities] Nord. med., 1939, **3:** 2305–8. Also German transl., Deut Militärarzt, 1940, **5:** 295 (Abstr.)—**Diagnosis** and treatment of gas casualties. Pharm. J., Lond., 1941, **92:** 252.—**Grzhebin, Z. N.** [Clinical aspect and differential diagnosis of skin affections, caused by poison war gas] Klin. med., Moskva, 1940, **18:** No. 4, 123–9.—**Vallebona, A.** Vrejtje radiologjike mbi inkluzjonet gasoze në plagët me armë. Fletor. mjeks. shqipt., 1942, **1:** 43–5. Incl. Ital. transl.

—— Disability.

Denecke, G. Wie ist die Militärtauglichkeit der im Kriege 1914–1918 Kampfstoffgeschädigten zu beurteilen? Med. Klin., Berl., 1939, **35:** 1529–32.—**Smith, S. A.** Gases of warfare. In his Forens. Med., 8. ed., Lond., 1943, 287–90.

—— First aid.

See also **Decontamination,** personal; **Gas warfare,** Defense; **Injury,** chemical.

Burnley, S. Catechism of first aid for gas casualties. 53p. 11½cm. Lond., 1940.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/10: Uebersicht der Gas-Sanitätsmittel in der Feldsanitätsausrüstung. 7p. 21cm. Berl., 1935. Also Rev. ed., 7p. 21cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 208/11: Packordnung der Sanitätsausrüstung, leichter Satz, vom April 41 [Reprint] 8p. 21cm. Berl., 1942.

Germany. Oberkommando der Kriegsmarine [Marine-Druckvorschrift] M. Dv. 271/9: Soll der Sanitätsausrüstungen. Teil 9: Gassanitätsmittel. 30p. 22cm. Berl., 1941.

Great Britain. Air Raid Precaution Department. Air raid precautions handbook No. 2: First aid and nursing for gas casualties. 3. ed. 47p. 16½cm. Lond., 1938. Also 4. ed. 41p. 16½cm. Lond., 1943.

Rabinowitch, I. M. First aid and nursing for gas casualties. 83p. 20½cm. Ottawa, 1942.

Wheaton, A., & Co. Emergency first aid for casualties and emergency help for gas casualtics. [4] p. 25½cm. Exeter, Engl. 1942[?]

Anagnosti, V. [Elementary principles in the organization of medical aid, classification of gassed soldiers and first-aid stations] Voj. san. glasnik, 1938, **9:** 119–35.—**Chest,** gas casualty treatment, field, small. Jap. M. Equip. Rep., 1946, No. 211, 1–4.—**Chest,** gas casualty treatment, medical officer's, field. Jap. M. Material Rep., 1946, No. 201, 1–3.—**Chest,** gas casualty treatment, veterinary, field, type 1938. Ibid., No. 196, 1–3.—**Keller, P. E.** First aid to gas casualtics; the feasibility of rendering adequate and specific first aid to gas casualties in the battalion aid station. Chem. Warf. Bull., 1937, 23, No. 1, 15–9.—**Massara, F.** Difesa e pronto soccorso antigas in guerra. Gazz. med. ital., 1936, **95:** 21–5.—**Mena Muñoz, M.** Tratamiento médico de urgencia a los gaseados en los puestos de socorro más avanzados. Rev. españ. med. cir. guerra, 1940, **4:** 441–5.—**Merkblatt** für Hilfeleistung bei Gaserkrankungen. Heer-Druckvorschr., 1935, No. 208/10, Suppl. p. [1–3]—**Morton, M.** It's dangerous not to know; first aid for gas victims requires knowledge. Trained Nurse, 1942, **108:** 352.—**Muntsch, F.** Giftgaserkrankungen und Gasschutz. In: Amtl. Unterrichtsb. ü. erste Hilfe (Krueger, R.) Berl., 20. Aufl., **1944:** 121–36.—**New** gas casualty set. Bull. U. S. Army M. Dep., 1944, No. 78, 12–4.—**Popov, G. M.** [War gases and first aid in injuries from air raids] Feldsher, Moskva, 1938, No. 6, 53–66.—**Recognition** (The) and first aid treatment of gas casualties. War. Med. Sympos., N. Y., 1942, 456–65.—**Reimann, H. A.** Emergency treatment in gas warfare. In his Treat. Gen. Med., Phila., 1943, progr. vol., 215–34.—**Robinson, W. A.** Gas cleansing centres, first-aid posts, and their counterpart in the field. J. R. Army M. Corps, 1940, **75:** 114–7.—**Sanocky, V. A.** [First aid and treatment of war gas poisoning] Farm. & toks., Moskva, 1941, **4:** No. 6, 3–7.—**Scherstén, B.** Något om stridsgaser, gasskydd samt första hjälpen vid behandling av gasskador. In: Handledn. & Försvarsmed., Stockh., 1940, **1:** 92–117.—**Schicks, G. C.** Emergency treatment of gas casualties. N. Jersey J. Pharm., 1943, **16:** No. 3, 2–4.—**Set,** gas casualty treatment, leather covered pack panniers. Jap. M. Equip. Rep., 1946, No. 190, 1–7.—**Set,** gas casualty treatment, regimental. Jap. M. Material Rep., 1946, No. 194, 1–3.—**Set,** gas casualty treatment, veterinary, experimental, type 1945. Ibid., No. 199, 1–5.—**Tailor** (A) made

kit for gas casualties; portable first aid box development by ingenious chemical officers at Forts Monroe and Meade. Chem. Warf. Bull., 1942, **28:** 136–8.—**Waitt, A. H.** First aid. In his Gas Warfare, N. Y., 1942, 255–74. ——— War gas cases; first aid treatment. **Am. J. Nurs., 1942, 42:** 489–98.

—— Hospitalization.

See also **Decontamination.**

United States. Civilian Defense Office. OCD advises gas cleansing stations at hospitals. 1 l. 26½cm. Wash., 1943.

Hospitals and gas casualties; notes on reception and management. Brit. M. J., 1941, **1:** 980.—**Meakins, J. L., & Priestley, J. G.** Report on the length of stay in hospital in the United Kingdom and the disposal of gas casualties. Rep. Chem. Warf. M. Com. Gr. Britain, 1918, No. 16, 3–19.—**Sankey, B. B.** Hospitals and gas casualties. Bull. Acad. M. Cleveland, 1942, **27:** No. 2, 11.—**Timko, I. M.** [Peculiarities of the organization of work in hospitals for the gassed] Sovet. zdravookhr., 1943, No. 3, 27–33.

—— Manifestation.

Great Britain. Chemical Warfare Medical Committee. Reports. No. 3: The symptoms and treatment of the late effects of gas poisoning. 9p. 24cm. Lond., 1918.

Fischer, H. Symptomatologie und Therapie der Blau- und Weisskreuzkampfstoffe und der Nesselgifte. Schweiz. med. Wschr., 1943, **73:** 306–8. ——— Symptomatologie und Therapie der Grünkreuzkampfstoffe. Ibid., 308–12.—**Geiger, J. C.** Symptoms of war gases; their treatment. California West. M., 1940, **53:** 198.—**Girgolav, S. S.** Ranenija, otravlennye boevymi otravljajuščimi veščestvami (BOV) In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 147–53.—**Hombourger, P.** Notions sur la symptomatologie et la thérapeutique des lésions causées par les gaz de combat. Anesthésie, Par., 1939, **5:** 420–38.—**Hurst, A. F.** Functional symptoms following gassing. In his Med. Dis. War, 3. ed., Lond., 1943, 490.—**Marrero Jiménez, R. E.** Trastornos producidos por los gases de combate. Bol. Col. méd. Camagüey, 1942, **4:** 371–3.—**Muntsch, O.** Doku-gasu ni yoru igosyō ni tuite [Symptoms subsequent to gas poisoning] Gun idan zassi, 1938, No. 300, 428–30.—**Narciso, A.** Gases de guerra; clínica; lesões e sintomas. Clín. hig. & hidr., Lisb., 1935, **1:** 419–24.—**Navarre, P.** Lésions et troubles dus aux gaz de combat. Monde méd., 1939, **49:** 564–70.—**Orbiz Reyes, M.** Sintomatología y tratamiento de los gaseados en combate. Rev. méd. cubana, 1942, **53:** 367–79.—**Staehelin, R.** Symptomatologie der Kampfgasvergiftungen. Med. Klin., Berl., 1940, **36:** 152. Also Münch. med. Wschr., 1940, **87:** 82.

—— Manual.

Büscher, H. Giftgas! und wir? Die Welt der Giftgase, Wesen und Wirkung, Hilfe und Heilung. 2. Aufl. 228p. 8° Lpz., 1937.

—— [Grün- und Gelbkreuz...] Green and yellow cross; special pathology and therapy of injuries caused by the chemical war materials of the green cross group (phosgene and diphosgene) and of the yellow cross group (mustard gas and Lewisite) 156p. 27cm. Cincin., 1944.

Gerlinger, H. Manuel des gaz de combat. 74p. 8° Strasb., 1935.

Gillert, E. Die Kampfstofferkrankungen. 2. Aufl. 86p. 25cm. Berl., 1938.
Bibliogr.: p. 76–82.

—— [The same] Die Kampfstofferkrankungen (Kampfstoffverletzungen) 4. Aufl. 108p. 25½cm. Berl., 1939.
Bibliogr.: p. 95–102.

—— [The same] Die Kampfstoffverletzungen. 5. Aufl. 110p. 25½cm. Berl., 1941. Also 6.–7. Aufl. 120p. 24½cm. Berl., 1943. Also 8.–10. Aufl. 140p. 25cm. Berl., 1944. Also 11. u. 12. Aufl. 176p. 24cm. Berl., 1944.

—— [The same] Gases de guerra. 157p. 18cm. Madr., 1940.

Great Britain. Privy Council. Medical Research Council. An atlas of gas poisoning. 3. ed. 15p. 24cm. Lond., 1939. Also rev. ed., 15p. 22cm. Brooklyn, 1942.
Forms App. 3 to Med. Man. Chem. Warf. (War Off. Gr. Britain) Rev. ed., Brooklyn, 1942.

López Cobos, F. Gases de combate; enfermedades que producen y su terapéutica en el hombre y los animales; sistemas de protección individual y colectiva. 350p. 22½cm. Avila, 1934.

Lustig, A. Patologia e clinica delle malattie da gas di guerra. 4. ed. 424p. 25cm. Milano, 1937.

Muntsch, O. Leitfaden der Pathologie und Therapie der Kampfgaserkrankungen. 94p. 8° Lpz., 1932. Also English ed., 153 l. 4° n. p., 1932. Also 3. Aufl. 132p. 8° Lpz., 1935. Also 4. Aufl. 142p. 24½cm. Lpz., 1936. Also 5. Aufl. 150p. 24½cm. Lpz., 1939. Also 6. Aufl. 160p. 24½cm. Lpz., 1941. Also 7. Aufl. 161p. 25cm. Lpz., 1944.

Reig Cerdá, V. Gases de guerra; fisiopatología; química; defensa individual y colectiva. 284p. 23½cm. Valenc., 1939.

Takemura, B. Doku-gasu igaku [Poison gas from the standpoint of medical science] 259p. 21cm. Tokyo, 1941.

Telbisz, A. Harcgázbetegségek kór- és gyógytana. 100p. 8° Budap., 1934.

—— Medical service.

Germany. Oberkommando des Heeres [Dokument] D1118. Das Gasschutz-Feldlaboratorium, vom 25.5.41 [Reprint] 57p. 20½cm. Berl., 1943.

Bălănescu, I., & Balaban, I. Consideraţiuni asupra funcţionărei serviciului sanitar in legătură cu gazele de luptă. Rev. san. mil., Bucur., 1936, **35:** 1480–9.—**Barre, C.** [Studies in the English Army on medical service for the gassed and in tank units] Tskr. mil. hälsov., 1939, **64:** 61–83.—**Leake, C. D.** Concerning procedures in handling war gas injuries. California West. M., 1942, **56:** 262.—**Muntsch, O.** The transport, care and medical treatment of gas casualties. J. R. Army M. Corps, 1938, **70:** 107.—**Sillwaerts, Paitre** [et al.] Transport, hospitalization et traitement des blessés gazés [discussion] Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **2:** 133–50.

—— Naval aspect.

Ellis, F. P. The hazards of toxic gases in warships excluding agents of chemical warfare. J. R. Nav. M. Serv., 1947, **33:** 25–37.—**P., R. S.** Toxic irritant gases as a potential hazard in fires. Bumed News Lett., Wash., 1944, **4:** No. 7, 11.

—— Pathology.

See also **Cyanogen.**

Badía, L. R. Patología y terapéutica de los gases de guerra. Rev. méd. Barcelona, 1936, **25:** 519–40.—**Eek, N. van.** [Injuries from chemical war gases] Tschr. tandheelk., 1939–40, **47:** 302–26.—**Felix.** Die Pathologie der Kampfstofferkrankungen. Sitzber. Frankf. med. Ges., 1936, 11–3.—**Ginzler, A. M.** Pathologic effects of the common war gases. Proc. N. York Path. Soc., 1942–45, 84–6.—**Muntsch, O.** Leitfaden der Pathologie und Therapie der Kampfgaserkrankungen. Vertrauensarzt, 1934, **2:** 222–6.—**Wallace, S. A.** The pathology of gas warfare. Tristate M. J., 1942–43, **15:** 2854–7.

—— Pathology: Eye.

See also **Eye injury; Mustard gas.**

Balaban, I. Acţiunea gazelor de luptă asupra ochilor şi tratamentul gazaţilor oculari. Rev. san. mil., Bucur., 1936, **35:** 396–408.—**Berens, C., & Hartmann, E.** The effect of war gases and other chemicals on the eyes of the civilian population. Bull. N. York Acad. M., 1943, **19:** 356–67.—**Czurda, A.** Beobachtungen über Hornhautschäden bei Tränengasverätzungen des Auges. Wien. med. Wschr., 1947, **97:** 257; passim.—**Dautrebande.** L'aspect ophtalmologique de l'intoxication par gaz de combat. Bruxelles méd., 1939–40, **20:** 376.—**Decontamination** of eyes after exposure to lewisite. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 12. Also Nebraska M. J., 1942, **27:** 187. Also N. England J. M., 1942, **226:** 667.—**Delayed** action blindness due to gas poisoning in the war. J. Am. M. Ass., 1937, **109:** 1647.—**Dor, L.** Gaz de combat et brûlures des yeux. Arch. opht., Par., 1939–40, n. sér., **3:** 873.—**Eye** injuries from tear, nose and choking gases. Bull. Army M. Dep., Lond., 1944, No. 33, 6.—**Eye** injuries from vesicant gases. Ibid., No. 32, 3–5.—**García Miranda, A., & Navarro Rojas, R.** Nuevas pautas para el tratamiento de las afecciones oculares por los agentes químicos de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 140–50.—**Gilbert, W.** Ueber Kampfstofferkrankungen des Auges. Med. Klin., Berl., 1939,

35: 1621.—**Godwin, E. D.** War gas injuries of the eye. California West. M., 1942, 57: 299–301.—**Greenwood, A.** Ophthalmic disturbances due to the war gases. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 714–8, pl.—**Heinsius, E.** Ueber Kampfstofferkrankungen am Auge. Klin. Mbl. Augenh., 1939, 103: 644.—**Injuries** of the eye caused by war gases. Bull. Pract. Ophth., S. Franc., 1942, 12: 27–35.—**Karnicki, K.** Uszkodzenia oczu przez gazy bojowe. Lek. wojsk., 1927, 9: 303–15.—**Kugelberg, I.** Gasskador ur oftalmologisk synpunkt. In: Handledn. & Forsvarsmed., Stockh., 1940, 1: 154–61.—**Liquid** vesicant contamination of the eyes. Bull. U. S. Army M. Dep., 1945, No. 86, 30.—**Mann, I., & Pullinger, B. D.** The pathology of cholestherin and fat deposition in mustard gas injuries of the cornea. Brit. J. Ophth., 1942, 26: 503–7.—**Roe, G. C. F.** Cleansing eyes of gas at first-aid posts. Brit. M. J., 1941, 1: 795.—**Rosengren, B.** [War gases from the ophthalmological view-point] Tskr. mil. hälsov., 1940, 65: 13–8.—**Schmelzer,** Die Kampfstoffverletzungen des Auges (mit experimentellen Untersuchungen) Klin. Mbl. Augenh., 1941, 106: 603.—**Schweinitz, G. E. de.** Burns of eye by intermediate product in manufacture of diphosgene. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 591, pl.—**Treatment** of gas lesions of the eye, revised instructions. Bull. War M., Lond., 1941–42, 2: 464 (Abstr.)—**Treatment** of mustard gas lesions of the eye. Ibid., 1942–43, 3: 145 (Abstr.)—**Turtz, C. A.** Gas injuries to the eye in warfare. Bull. N. York M. Coll., 1942, 5: 94–100.—**Uhde, G. I.** Eye injuries from so-called noncasualty war gases; report of cases. Am. J. Ophth., 1948, 31: 323–7.—**Whalman, H. F.** Chemical injuries of the eye, their treatment with special reference to war gases. California West. M., 1943, 58: 279.

—— Pathology: Lung.

Ekopf, H. *Die Beeinflussung der durch Gelbkreuzkampfstoff gesetzten Bronchitiden durch die Bier'sche Aethertherapie im Tierversuch [Berlin] 34p. 20½cm. Hamb., 1940.

Eckert-Möbius, A. Die Kampfstofferkrankungen der oberen Luftwege und ihre Behandlung. Med. Welt., 1940, 14: 313–5.—**Löffler, W.** Zur Klinik und Therapie der Kampfstoffschädigungen; Lungenschädigungen durch Grün- und Gelbkreuzgase. Schweiz. med. Wschr., 1943, 73: 282–6.—**Muntsch, O.** Zu dem Aufsatz: Betrachtungen über die medikamentöse Kreislaufbehandlung des Lungenödems bei Kampfgasvergifteten. Deut. Militärarzt, 1940, 5: 389.—**Ritlop, B.** [Respiratory lesions due to war gases] Orvostud. közl., 1940, 1: 44–8.

—— Pathology: Skin.

Keller, W. *Die Empfindlichkeit der menschlichen Haut gegenüber Kampfstoffen der Gelbkreuzgruppe [Bern] 26p. 24½cm. Basel, 1942.

Also in Dermatologica, 1942, 85: No. 1.

Lucam, F. Les lésions cutanées provoquées par les gaz de combat; étude expérimentale. Ann. anat. path., Par., 1939, 16: 705–32.—**Lutz, W.** Behandlung der durch Kampfgase hervorgerufenen Hauterscheinungen. Med. Klin., Berl., 1940, 36: 180.—**Tarras-Wahlberg, B.** Gasskador ur dermatologisk synpunkt. In: Handledn. & Försvarsmed., Stockh., 1940, 1: 145–53.

—— Physiopathology.

Werner, H. *Elektrocardiographische Untersuchungen bei kampfstoffvergifteten lungengeschädigten Tieren nach Behandlung mit Deriphyllin [Berlin] 30p. 21cm. Borna-Lpz., 1939.

Bacq, Z. M. Réaction des vésicants et toxiques de guerre avec la cystéine et le glutathion. Acta biol. belg., 1942, 2: 430–2.—**Cameron, G. R., Gaddum, J. H., & Short, R. H. D.** The absorption of war gases by the nose. J. Path. Bact., Lond., 1946, 58: 449–55, 3 pl.—**Kramer, M.** Humoralno dejstvo materija na kardiovaskularni aparat, respiraciju i centralni živćani sistem. Voj. san. pregl., Beogr., 1948, 5: 432–7.—**Lewison, E. F.** Sensitivity to war gases. J. Am. M. Ass., 1942, 118: 248.—**Michăilescu, C. N.** Fiziopatologia intoxicaţiilor prin gaze de lupta. Rev. san. mil., Bucur., 1936, 35: 1331–68.—**Muntsch, O.** Neuere Forschungsergebnisse über Kampfgaswirkung auf Kreislauf, Herzfunktion und Atmung. Nauheim. Fortbild. Lehrg., 1935, 11: 146–53.

—— Sequelae.

Bagirova, N. [On the sequels of war-gas poisoning] Klin. med., Moskva, 1939, 17: No. 9–10, 116.—**Balanescu, I., & Balaban, I.** Tuberculoza pulmonară la gazaţi. Rev. san. mil., Bucur., 1936, 35: 632–8.—**Flury.** Folgezustände nach Kampfstoffverletzungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 191–9.—**Levsh, P. M.** [Tuberculosis following poisoning with war gas] J. profil. subtrop. klin. med., Tashkent, 1934, 4: 3–10.—**Marie, G. L. E., Hugonot, G. A.** [et al.] L'état actuel des séquelles des diverses lésions de l'appareil respiratoire dues à l'action toxique des gaz de combat. Rev. Serv. san. mil., Par., 1938, 109: 745–89.—**Muntsch, O.** Beiträge zur Beurteilung von Spätfolgen nach Kampfstoffvergiftung. Veröff. Heer. San., 1937, H. 102, 277–90.—**Pozharsky, F. I.** [Pneumosclerosis following poisoning with war gases] Probl. tuberk., Moskva, 1937, No. 11, 112–28.—**Price, G. B.** After-results of gassing. Med. Press & Circ., Lond., 1938, 196: 218–22.—**Tanon, L.** Secuelas de las afecciones por los gases de combate. Monde méd. (Ed. espań.) 1943, 53: 1–6.

—— Surgery.

Derooz, J. *De quelques points intéressant le traitement des brûlures cutanées par les gaz de guerre. 13p. 24cm. Par., 1939.

Barre, C. [Treatment of surgical cases, complicated by chemical gas] Tskr. mil. hälsov. 1938, 63: 1–10. —— [Surgery and gas injuries] Nord. med., 1939, 3: 2731. Also in: Handledn. & Forsvarsmed., Stockh., 1940, 2: 305–7.—**Carvalhal, L. J.** O tratamento dos feridos gaseados; contribuição ao estudo da cirurgia de guerra. Rev. méd. mun., Rio, 1942, 4: 65–80.—**Cordier, D.** Choix des anesthésiques pour le blessé gazé. In his Probl. méd. guerre, Montréal, 1943, 90–117.—**Lendle, L.** Zur Frage der Chloroformverwendung für die Narkose auch bei Kampfgaskranken. Deut. Militärarzt, 1939, 4: 164–8.—**Lippay-Almássy, A.** [War gases and military surgery] Orv. hetil., 1941, 85: mell., 6.—**Rosenbaum, S.** A brief outline of the treatment of wounds caused by war gases. Harefuah, Tel Aviv, 1939, 17: No. 2, 2–4.—**Wirth, W.** Narkose bei Kampfstoffvergifteten. Kongrber. Internat. Kongr. Rettungswes. (1939) 1941. 5. Kongr., 144–6.

—— Tear gas.

Andreoni, R. Azione di alcuni aggressivi lacrimogeni sul cavallo e sul cane. Clin. vet., Milano, 1938, 61: 451–4.—**Bacq, Z. M., & Fischer, P.** Réaction des groupes sulfhydriles de l'ovalbumine dénaturée et native avec certains toxiques de guerre lacrymogènes et vésicants. Bull. Soc. chim. biol., Par., 1946, 28: 234–9.—**Dixon, M.** Reactions of lachrymators with enzymes and proteins. Biochem. J., Lond., 1948, 42: Suppl., xxvi.—**Giral, F.** Productos lacrimogenos de aplicación en guerra química. Ciencia, Méx., 1940, 1: 214–20.—**Waitt, A. H.** The tear gases and other agents. In his Gas Warfare, N. Y., 1942, 58–68.

—— Toxicology.

Blume, R. *Beobachtungen an grünkreuzvergifteten Kaninchen, die mit Pernocton narkotisiert wurden [Berlin] 26p. 22cm. Münch., 1941.

Marsh, D. F., & Leake, C. D. Mechanism of war gases. Leaflet. 28cm. S. Franc., 1942.

Weston, R. E., & Tobias, J. M. An apparatus for determining retained dose of inhaled toxic gases. 19p. 27cm. Edgewood Arsenal, 1945.

Forms No. 23, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Agrelo, R., & Franci, J. M. Acción tóxica de los gases de combate sobre el organismo. Rev. méd. lat. amer., B. Air., 1942–43, 28: 110–6.—**Bergós, F. de A.** El mecanismo de las intoxicaciones por gases de guerra. Rev. méd. Barcelona, 1936, 25: 462.—**Chartschenko, N. S., & Irschanskaja, K. N.** Wirkung der Schachtgase auf den Organismus; Wirkung von CO_2 auf die Lungenventilation, auf die Reflexerregbarkeit und auf den Muskel in situ. Arbeitsphysiologie, 1932–33, 6: 245–8.—**Corbet, C.** Gazes de guerra; ação farmacológica. An. paul. med. cir., 1943, 45: 49 (Abstr.)—**Desreux, V., & Fischer, P.** Mécanisme de l'inactivation de la papaïne par certains toxiques de guerre. Actual. biochim., Liége, 1947, No. 10, 127–40.—**Effects** (The) of war gas. J. Am. M. Ass., 1937, 108: 1903. Also Clin. Osteopath., 1939, 35: 712.—**Efremov, V. G.** [On the selection of standard experimental animals for study of toxicology, pathology and prophylaxis of war gases] Tr. Nauch. issledov. inst. fiziol. Saratov, 1934, 1: 429–38.—**Figuera y de Benito, E. de la.** Mi experiencia personal sobre las lesiones y accidentes tóxicos producidos por el sulfuro de etilo diclorado o iperita. Libro de actas Jorn. méd. español. (1943) 1944, 3. Jorn., 2: 202–8, illust.—**Flury, F.** Die toxikologischen Grundprobleme der Kampfstoffwirkung. Deut. Militärarzt, 1938, 3: 56–60.—**Goldenberg, A.** Influence des gaz de combat sur le corps humain. Harefuah, Tel Aviv, 1939, 17: No. 2, 1.—**Leake, C. D., & Marsh, D. F.** Mechanism of action of ordinary war gases. Science, 1942, 96: 194–7.—**Longcope, W. T.** Importance of researches on war gases to clinical medicine. Occup. Med., 1946, 2: 34–44.—**Marsh, D. F.** Mechanism of action of ordinary war gases. Q. Phi Beta Pi M., 1942, 39: 202–4.—**Mechanism** of action of war gases. California West. M., 1942, 57: 162.—**Muehlberger, C. W.** The toxicology of war gases. J. Michigan M. Soc., 1943, 42: 617–22.—**Rothlin, E.** Ergebnisse tierexperimenteller Untersuchungen über den Vergiftungsverlauf nach Phosgen und Yperit. Schweiz. med. Wschr., 1943, 73: 1205–10.—**Tito, E.** Acción de los agresivos químicos, gases de combate, en el hombre y en los animales. Rev. san. mil., B. Air., 1939, 38: 951–84.

—— Treatment.

Great Britain. Air Raid Precautions Department. Air raid precautions handbook No. 3: Medical treatment of gas casualties. 2. print. 145p. 16cm. Lond., 1939.

Metelmann, J. *Ueber Behandlung der durch Gelbkreuzkampfstoff gesetzten Hautwunden mit Kamille. 13p. 23cm. Berl., 1938.

Morimune, Y. Doku-gasu to sono tiryō [Poison gas and its treatment] 164p. 21½cm. Tokyo, 1941.

Rudkin Press. How to tell & what to do if they are gassed. 120p. 18½cm. Little Dormers, Engl., 1941.

[United States] National Research Council. Committee on the Treatment of Gas Casualties. Report. Wash., No. 9, 1944–

United States. War Department. Technical bulletin TB MED 101: Use of BAL in oil and BAL ointment in treatment of systemic poisoning caused by lewisite and other arsenical blister gases. 3p. 26cm. Wash., 1944.

A., M. I feriti-gassati ed il loro trattamento. Ann. med. nav., Roma, 1939, **45**: 178–81.—**Abramov, J.** [Waterless treatment of war gas cases] Med. sestra, 1944, No. 6, 12–4.—**Bălănescu, I.** Le péril aérien: les gaz de combat; la thérapeutique des gazés. Bull. Acad. méd. Roumanie, 1937, **2**: pt 4, 623–38. ——— & **Balaban, I.** Tratamentul gazatilor. Rev. san. mil., Bucur., 1936, **35**: 1369–96, illust.—**Cherkes, A. I.** [The basic principles of the therapy of war gas poisoning] Farm. & toks., Moskva, 1943, **6**: No. 5, 3–13.—**Dörffel, J.** Kampfstofferkrankungen der Haut und ihre Behandlung. Med. Welt, 1940, **14**: 369–72.—**Genaud, P.** Tratamiento de los gaseados (con exclusión de los vesiculados) Monde méd. (Ed. españ.) 1941, **51**: 88–96.—**Glebovich, A. A.** [Oxygen in the therapy of war gas affections] Farm. & toks., Moskva, 1941, **4**: No. 6, 8–14.—**Greer, R. E.** Treatment of war gases. J. Oklahoma M. Ass., 1943, **36**: 139–43.—**Grzhebin, Z. N.** [Basic principles in the treatment of affections of the skin, caused by war gases] Klin. med., Moskva, 1939, **17**: No. 6, 83–6.—**Hanzlik, P. J.** Use of dogs in developing treatment of war gas poisoning. California West. M., 1938, **49**: 182–5.—**Hasan Kadri.** Orduda ve geride gazh-yaralilarin tiryaji, nakil ve tedavisi. Askerî sihhiye mecmuasi, 1942, **71**: 1–8.—**Izrailsky, A.** [Technique of blood-letting in treatment of poisoning by suffocating war gases] Voen. san. delo, 1937, No. 8, 23–5.—**Leake, C. D., & Marsh, D. F.** The management and prevention of civilian war gas injury. Ann. Int. M., 1944, **20**: 376–89.—**Male, L.** Treatment of civilian gas casualties. Med. J. Australia, 1937, **1**: 18–21.—**Manual** terapêutico de gaseados, Exército americano (transl.) Rev. med. mil., Rio, 1948, **37**: 349–86.—**Mata, M.** Gases da guerra; terapêutica; profilaxia e tratamento. Clín. hig. & hidr., Lisb., 1935, **1**: 425–38.—**Medical** treatment of gas casualties; issued by the Home Office Air Raid Precautions Department. Nova Scotia M. Bull., 1939, **18**: 491; 539.—**Mitchell, H. E.** Treatment of victims of poison gas with special reference to the use of the bronchoscope. Arch. Otolar., Chic., 1943, **37**: 371–6.—**Müller, W.** Der Materialbedarf für die Behandlung von Gasverletzten. Schweiz. med. Wschr., 1943, **73**: 316–8.—**Muntsch, O.** Zur Behandlung von kampfstoffbeschmutzten Brisanzwunden. Med. Welt, 1937, **11**: 1564.—**Oliveira, E.** Gasés de combate; considerações clinico-terapêuticas. Rev. med. mil., Rio, 1939, **28**: 409–38. Also Hospital, Rio, 1940, **17**: 625–52.—**Pannier,** gas casualty treatment, medical officer's, field. Jap. M. Material Rep., 1946, No. 210, 1–4.—**Rose, H. M.** Symposium on war medicine; war gas injuries among the civilian population; prophylaxis and treatment. J. M. Soc. Co. New York, 1942, **1**: No. 28, 4–7.—**Savy, P.** Traitement de l'intoxication par les gaz de combat; gaz toxiques. Union méd. Canada, 1941, **70**: 414–6.—**Sohier, R.** Tratamiento de los vesiculados. Bol. Col. méd. Habana, 1942, 5: No. 8, 15; passim.—**Stocken, L. A., & Thompson, R. H. S.** A procedure for the treatment of gas casualties. Brit. M. J., 1941, **2**: 448–51.—**Sulzberger, M. B.** Protection and treatment of the skin exposed to blister gases. In: Advance. Mil. Med., Bost., 1948, **2**: 588–602, pl.—**Telbisz, A.** Harcgázmérgezettek kezeléséhez szükséges gyógyszerek. Orv. hetil., 1944, **88**: mell., 14.—**Teorell, T.** Nyare behandlingsmetoder mot stridsgaser. Tskr. mil. hälsov., 1944, **68**: Suppl., 165–72.—**[Waterless** treatment in affections caused by war gas] Farmacia, Moskva, 1941, **4**: No. 11, 14.—**Westergren, A.** Stridsgasernas invärtes-medicinska skador och deras behandling. In: Handledn. & Försvarsmed., Stockh., 1940, **1**: 126–40. ——— Om behandlingsprinciper vid stridsgasskador. Ibid., 141–4.—**Yuasa, T.** Bōkū iryō to dokugasu syōgai [Medical treatment under air defence and poison-gas injury] Senzi igaku, 1944, **1**: 9–12.

—— Vesicant gas.

Bacq, Z. M., & Angenot, P. Inhibition d'une fermentation lactique par des vésicants, dont certains toxiques de guerre. C. rend. Soc. biol., 1940, **134**: No. 5, 105–7.—**Bacq, Z. M., & Desreux, V.** Réaction des vésicants et des toxiques de guerre avec les protéines. Acta biol. belg., 1942, **2**: 369–71.—**Cleansing** of hair contaminated by vesicant gases. Bull. War M., Lond., 1941–42, **2**: 225 (Abstr.) Also Med. Off., Lond., 1942, **67**: 76.—**Cressman, E. H.** Vesicants in chemical warfare. J. Am. Osteopath. Ass., 1942–43, **42**: 145–9.—**Davis, M. I. J.** The dermatologic aspects of the vesicant war gases. J. Am. M. Ass., 1944, **126**: 209–13.—**Fischer, P.** Inactivation de l'uréase et de la papaïne par certains toxiques de guerre et vésicants. Bull. Soc. chim. biol., Par., 1946, **28**: 240–6. ——— Dosage de certains toxiques de guerre et vésicants par les substances sulfhydryles. J. pharm. Belgique, 1947, **2**: 225–9.—**Gammel, J. A.** The vesicant gases, their action on skin and eyes. Clin. Bull. School M. West. Reserve Univ., 1943, **7**: 34–6.—**García H. Bernalt, A.** Los vesicantes. Rev. españ. med. cir. guerra, 1939, **3**: 455–62.—**Goldman, L.** Recent advances in the medical aspects of the vesicants as related to civilian defense. Cincinnati J. M., 1942–43, **23**: 444–8. ——— Some medical problems of vesicant chemical warfare agents as affecting civilian populations. Bull. N. York Acad. M., 1943, **19**: 57–72. ——— & **Cullen, G. E.** The vesicant chemical warfare agents. Arch. Derm. Syph., Chic., 1940, **42**: 123–36.—**Hurst, A. F.** Vesicant gases. In his Med. Dis. War, 3. ed., Lond., 1943, 483–9.—**Kuske, H.** Die Schädigungen durch hautwirksame Kampfstoffe Abwehrmassnahmen und Behandlung. Schweiz. med. Wschr., 1943, **73**: 289–94.—**Marsh, D. F., & Leake, C. D.** Detergents as prophylactics against vesicant exposure. Texas Rep. Biol. M., 1944, **2**: 22.—**Mendonça Castro.** Guerra e gases vesicantes. Impr. méd., Rio, 1943, **19**: No. 357, 95–104.—**Sohier, R.** Tratamiento de los vesiculados. Monde méd. (Ed. españ.) 1941, **51**: 97–109.—**Use** of BAL in oil and BAL ointment in treatment of systemic poisoning caused by lewisite and other arsenical blister gases [Form letter] Bumed News Lett., Wash., 1945, **5**: 22–4.—**Waitt, A. H.** The blister gases. In his Gas Warfare, N. Y., 1942, 47–57.

—— in animals.

Effects (The) of war gases on animals. Vet. Rec., Lond., 1939, **51**: 1102–6.—**Henry, M.** Gas warfare as affecting horses and mules. Austral. Vet. J., 1935, **11**: 143–8.—**Osman Zeki Yüceyalçin** [Poison war gases from the view-point of veterinary medicine in relation to domestic animals, horses and cattle] Askerî tibbi baytarî mecmuasi, 1936, **13**: 369–76.—**Sadettin Tektas** [Protection against war gases] Askeri vet. mecmuasi, 1940, **18**: No. 144, 14–31.

GASTRECTOMY.

See under **Surgical technic, Stomach.**

GASTROENTERITIS.

See also **Enteritis; Stomach.**

Cellars, J. R., Rose, B., & Kerr, W. K. Effects of gastro-enteritis on fighter pilots. 6 l. 29cm. Lond., 1945.

Forms No. 619, F. P. R. C. Gr. Brit. Flying Pers. Res. Com.

Haulon, J. Le syndrome neuro-toxique des gastro-entérites du nourrisson; aperçu clinique et médications récentes. Rev. méd. nav., Par., 1947, **2**: 371–4.—**Lloyd, P. C.** Acute relapsing gastro-enteritis. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 27, 19–21.—**Molchanov, N.** Gastroenterit (gastroenteritis) In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1146–9.—**Warren, W. R.** Acute infectious gastroenteritis, an epidemiologic and clinical study. Med. Bull. U. S. First Army, 1950, **5**: No. 3, 12–5.—**Whitley, F. H., Fodor, A., & Williams, R.** An outbreak of gastro-enteritis. Ibid., 1949, **4**: No. 7, 9–13.

GASTROENTEROLOGY.

See also subsequent heading; also **Internal medicine.**

Annis, J. W., & Eldridge, F. G. Military gastroenterology. South. M. J., 1943, **36**: 791–8.—**Boles, R. S.** The war's challenge to gastro-enterology. Am. J. Digest. Dis., 1942, **9**: 241–4.—**Chamberlin, D. T.** Military gastro-enterology; the first year. South. M. J., 1943, **36**: 523–8.—**Douthwaite, A. H.** Gastro-enterology. Practitioner, Lond., 1941, **147**: 622–9.—**Kantor, J. L.** Gastro-enterology and military medicine; the utilization of a modern specialty in peace and war. Mil. Surgeon, 1934, **74**: 113–24. ——— Role of gastroenterology in American military medicine. N. York State J. M., 1941, **41**: 1458–60. ——— Report of the Committee on Military Preparedness. Am. J. Digest. Dis., 1942, **9**: 114.—**Pitão, J. S.** Gastroenterologia no exército. Rev. med. mil., Rio, 1949, **38**: 73–7.

—— Organization.

Texier, P. N. *Notes sur l'utilité et l'organisation d'un service spécialisé de gastro-entérologie militaire de guerre; étude de premiers résultats

en période de mobilisation. 48p. 24cm. Par., 1940.

Gibb, W. T. Gastroenterology in a large naval hospital. South. M. J., 1944, **37**: 507–10.—**Hall, A.** The gastro-intestinal section, Army General Hospital. Am. J. Digest. Dis., 1942, **9**: 389–92.—**Harris, S.** Division of Internal Medicine; section of Gastroenterology. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 381–3.—**Kantor, J. L.** Organization of the gastrointestinal service in the Army during the second World War; personal observations and impressions. Gastroenterology, 1947, **8**: 157–9.—**Magnes, M.** A gastro-intestinal outpatient service. Bull. U. S. Army M. Dep., 1945, No. 85, 99–103.—**Monat, H. A., & Carleton, W. T.** Effective management of gastro-intestinal department at Naval hospitals. U. S. Nav. M. Bull., 1944, **43**: 459–62.—**Morrison, S.** Interservice consultations in one Army general hospital; comments with particular reference to the section on gastroenterology. War Med., Chic., 1945, **7**: 84–94.—**Quiróz, J. D.** Necesidad de la creación de un dispensario nacional para enfermedades del aparato digestivo. Rev. san. mil., Asunción, 1942, No. 135, 161–4.—**Schindler, R.** Gastroenterology in the Army; methods of examination and disposition of cases. War Med., Chic., 1942, **2**: 263–76.

GASTROINTESTINAL tract.

See also **Altitude,** Gastrointestinal tract; **Aviator; Digestive system; Injury; Surgical technic,** gastrointestinal.

McDonough, F. E. Roentgenographie studies of gastrointestinal motility observed in swing test subjects. 11p. 28cm. Wash., 1942. Also another ed., 2 pts, 9 l., 7p. 27cm. Randolph Field, 1942–43.

——— The effect of altitude on gastrointestinal motility. 7 l. 27cm. Randolph Field, 1943. Also another ed., 1p. 28cm. Wash., 1943.

Hayden, R. S. Serial spot film device. Bull. U. S. Army M. Dep., 1945, No. 87, 118–20.—**Leigh, T. F.** Gastro-intestinal studies on the field X-ray machine. Ibid., 1946, **5**: 474–7.—**Lossen, H.** Zur Technik der röntgenologischen Magen-Darmuntersuchung. Deut. Militärarzt, 1944, **9**: 408–11.—**Shirley, A. R.** Roentgenological examination of the gastro-intestinal tract. Med. Bull. Veterans Admin., 1941–42, **18**: 280–3.

——— Disease.

See also such terms as **Digestive system,** Disease; **Dysentery; Dyspepsia; Enteritis; Gastroenteritis,** etc.

Barondes, R. de R. Powdered blood plasma and eggwhite perorally in therapy of gastrointestinal disorders. Mil. Surgeon, 1947, **101**: 306–9.—**Beguiristain, M. A., Röttjer, E. A., & Etala, E.** La alimentación precoz en las hemorragías gastro-duodenales. Rev. san. mil., B. Air., 1941, **40**: 127–33.—**Berk, J. E.** Gastro-intestinal problems in military medicine. Med. Clin. N. America, 1941, **25**: 1859–72. ——— Trends and shortcomings in the approach to gastrointestinal diseases; a review based on experience in an Army general hospital. Pennsylvania M. J., 1943–44, **47**: 897–901. ——— Gastro-intestinal problems in the Army. J. M. Soc. N. Jersey, 1944, **41**: 365–70. Also French transl., Bull. internat. Serv. santé, Liége, 1945, **18**: 6–13.—**Berkovich, I. M., & Kassiura, M. B.** Osobennosti teçenija ẑeludoćno-kišećnykh zabolevanij u detej staršego vozrasta v voennoe vremja. Pediatria, Moskva, 1947, No. 2, 45–52.—**Carleton, W. T.** Gastro-intestinal tract disturbances; functional disturbances on a psychogenic basis. U. S. Nav. M. Bull., 1945, **44**: 538–48.—**Cilli, V.** Identificazione di alcuni ceppi di gastro-enterotossiemia degli ovini e dei caprini in Eritrea. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1942, **1**: No. 2, 54–60.—**Ehrlich, J. C., & Hunter, O. B., jr.** Tumors of the gastrointestinal tract; a survey of 813 in persons of military age during World War II. Surg. Gyn. Obst., 1947, **85**: 98–106.—**Halsted, J. A.** Clearing company for gastro-intestinal disease. Bull. U. S. Army M. Dep., 1945, No. 88, 90–5. ——— Functional gastrointestinal disorders; lessons learned from military medicine. N. England J. M., 1946, **235**: 747–51. ——— Gastrointestinal disorders of psychogenic origin; management in forward areas. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 163–80.—**Heintzelman, J. H. L., & Jacox, H. W.** Organic upper gastro-intestinal disease at an advance base. U. S. Nav. M. Bull., 1944, **42**: 1035–7.—**Hoffman, I. L.** Spontaneous passage of two nails through the gastrointestinal tract. Bull. U. S. Army M. Dep., 1948, **8**: 804.—**Ivy, A. C., Bockus, H. L.** [et al.] Gastro-intestinal disorders. Clinics, 1943–44, **2**: 1219–44.—**Kost, N. A.** [Control of gastro-intestinal diseases during military operations] Sovet. med., 1942, **6**: No. 5, 35–7.—**MacRae, J. D.** The importance of X-ray in gastro-intestinal disorders in soldiers. Tr. M. Soc. N. Carolina, 1925, **72**: 251.—**Markoff, N.** Magendarmerkrankungen und Militärdienst. Schweiz. med. Wschr., 1943, **73**: 157–60.—**Monat, H. A., & Batzle, J. H., jr.** The significance of Hanger's test (cephalin-cholesterol flocculation test) in disorders of the stomach and colon. U. S. Nav. M. Bull., 1946, **46**: 1568–70.—**Morrison, S.** Psychosomatic gastrointestinal problems in the United States Army. Gastroenterology, 1947, **8**: 231–3.—**Pincus, I. J.** Gastro-intestinal disorders as seen in an Army station hospital. South. M. J., 1943, **36**: 284–7.—**Rudolph, J. A., & Sage, C. V.** Allergic problems of the gastrointestinal tract; report of cases seen in military service. Ann. Allergy, 1948, **6**: 11–20.—**Rush, A.** Gastrointestinal disturbances in the combat area; preliminary observations on functional disorders of the digestive tract. J. Am. M. Ass., 1943, **123**: 471–3.—**Savitt, R. A.** Gastrointestinal disorders in military and civilian life. Rev. Gastroenter., 1947, **14**: 402–9.—**Tamraz, J. M.** A case of acute gangrenous diverticulitis, Meckel's, with perforation due to fish bone. Mil. Surgeon, 1940, **87**: 328.—**Turner, H. M. S.** Egyptian tummy. Brit. M. J., 1941, **1**: 293.—**Weinstein, E. A., & Stein, M. H.** Psychogenic disorders of the upper gastrointestinal tract in combat personnel. War Med., 1945, **8**: 365–70.

——— Injury.

See also **Wound.**

Uffreduzzi, O. Le ferite d'arma da fuoco dello stomaco e dell'intestino. p. 940–87. 25cm. Tor., 1940.

In his Chir. guerra, Tor., 1940.

Aguiló Aguiló, P. A propósito de una herida retroperitoneal de colon. Rev. españ. med. cir. guerra, 1939, **3**: 363–71.—**Brown, H. M., & Perlmutter, I. K.** Case report of a traumatic rupture of the duodenum. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 120–2.—**Crisp, W. J. C.** Case of a gunshot wound of stomach and duodenum with recovery. J. R. Army M. Corps, 1943, **81**: 41.—**Fraser, I.** Avulsion of stomach from duodenum. Ibid., 1940, **75**: 383–6. ——— Wounds of the stomach, duodenum, liver and spleen. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 217–23.—**García Barón, A.** Heridas del duodeno por armas de fuego. Rev. españ. med. cir. guerra, 1941, **6**: 211–9.—**Isihara, K.** Sensyō-sei tyokutyō-rō ni tai-suru tyōheki hōgō-zyutu ni tuite [Technique of intestinal wall suture for rectal fistula due to a war wound] Gun idan zassi, 1943, 1475–81.—**Nikolaev, G. F.** Operacii pri ranenijakh ẑeludka i dvenadcatiperstnoj kiški. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12**: 201. ——— Odnovremennye ranenija razlićnykh otdelov ẑeludoćno-kišećnogo trakta. Ibid., 215–9.—**Teneff, S.** Le ferite d'arma da fuoco della faringe e dell'esofago. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 769–78, illust.—**Touzard & Perrin.** Perforation traumatique par contusion de la 3e portion du duodénum; suture; guérison. Bull. Soc. méd. mil. fr., 1947, **41**: 130–3.—**Uffreduzzi, O.** Le ferite d'arma da fuoco del retto. In his Chir. guerra, Tor., 1940, 1004–15, illust.

GASTROSCOPY.

See under **Stomach.**

GAS warfare.

See also **Chemical warfare; Gas; Gas mask; Gas poisoning.**

Fitch, W. K. Gas warfare. 2. print. 103p. 18½cm. Lond., 1943.

Meyer, J. Der Gaskampf und die chemischen Kampfstoffe. 3. Aufl. 376p. 22½cm. Lpz., 1938.

Waitt, A. H. Gas warfare. 2. print. 327p. 21cm. N. Y., 1942. Also Rev. ed. 332p. 21cm. N. Y., 1944.

Woker, G. J. Der kommende Giftgaskrieg. 4. Aufl. 134p. 18cm. Lpz., 1925.

Baxter, J. P., III. Why not gas? In his Scientists Against Time, Bost., 1946, 266–81.—**Boyd, L. J.** Employment of gas in warfare. Bull. N. York M. Coll., 1942, **5**: 33–6.—**Cadman, W. H.** Gas warfare. Pharm. J., Lond., 1942, **95**: 196.—**Eboli, C. M.** O gás e a guerra. Rev. Cruz Verm. brasil., 1944, **2**: No. 13, 13–5.—**Gas** (The) menace. Chem. Warf. Bull., 1938, **24**: 106–9.—**Gas** warfare. Lancet, Lond., 1940, **2**: 240.—**Kendall, J.** Gas warfare. Edinburgh M. J., 1940, **47**: 664–74. Also Edinburgh Postgrad. Lect. (1940–41) 1942, **2**: 401–11.—**Matubara, K.** Dokugasu sensō [Poison gas warfare] Toyo gakugei zassi, 1918, **35**: 456–61.—**Mercier, R. G.** Ataque por nubes de gas. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 52–5.—**Waitt, A. H.** The employment of gas in battle. In his Gas Warfare, N. Y., 1942, 137–54.

——— Attack.

Hanslian, R. Entstehung und Entwicklung des Gasangriffs. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1**: 1–37. ——— Gasangriffsformen des Weltkrieges. Ibid., 77–187, 3 maps. ——— Die Gasangriffsformen der Nachkriegszeit. Ibid., 337–71.—**Herrera, S. R.** Los gases tóxicos como apoyo en el ataque de la infantería. Rev. mil., B. Air., 1944, **44**: pt 2, 577–83.

—— Bibliography.

Haferkorn, H. E., & Neumann, F. Poisonous gas in warfare; application, prevention, defense, and medical treatment; a short, annotated bibliography of gases and kindred devices applied in the present war. Part II. 1 l. 14p. 230mm. Wash., 1918.

Heuss, R. v. Rundschau: Gaskampf und Gasschutz. Jahrkurs. ärztl. Fortbild., 1937, **28:** H. 11, 40–55.—**M., M.** Gases da guerra; bibliografia. Clín. hig. & hidr., Lisb., 1935, **1:** 439–43.

—— Defense.

See also **Civilian defense; Citizens Defense Corps; Decontamination.**

Canada. Director of Civil Air Raid Precautions. Protect yourself against poison gas. 59p. 20cm. Ottawa, 1943.

Champion Paper and Fibre Company. Technical notes and data on civilian protection against gas. 2. print. 146 l. 27½cm. Hamilton, 1943.

Dorey, G. *La protection des enfants en bas âge contre les gaz de combat. 51p. 24cm. Par., 1938.

Feist, W. Obrona przeciwlotniczo-gazowa wnętrza kraju. 206p. 20cm. Warsz., 1933.

Fenton, J. Gas; a synopsis of defence against. 2. ed. 58p. 18° Lond., 1937.

Great Britain. Air Raid Precautions Department. Air raid precautions handbook No. 1: Personal protection against gas. 2. ed. 124p. 16cm. Lond., 1938.

—— Anti-gas protection of babies and young children. 8p. 16½cm. Lond., 1940. Also another ed. Lond., 1941.

—— Personal protection against gas. 3. ed. 113p. 16cm. Lond., 1944.

Forms No. 1, Air Raid Precautions Handb., Min. Home Security, Gr. Britain.

Guest, L. H. If air war comes; a guide to air raid precautions and anti-gas treatment. 88p. 8° Lond., 1937.

Hampe, E. Der Mensch und die Gase; Einführung in die Gaskunde und Anleitung zum Gasschutz. 110p. 21½cm. Berl., 1932.

Mercier, R. G. El combatiente, en lucha con los gases. p.45–75. 19cm. Madr., 1940.

In his Grandez. & miser. d. combat., 2. ed., Madr., 1940.

Muntsch, O. Schutz und Hilfe gegen chemische Kampfstoffe. p.13–33. 22cm. Berl., 1937.

In: Chem. Kampfstoffe, 2. Aufl., Berl., 1937.

Paris. Université. Institut d'hygiène. La protection contre les gaz de combat. 284p. 21½cm. Par., 1939.

Prudhommeaux, P. *Les bases actuelles de la protection individuelle contre les gaz de combat. 104p. 24cm. Par., 1939.

Rabinowitch, I. M. Anti-gas precautions for merchant shipping. 66p. 20½cm. Ottawa, 1942.

—— Personal protection against gas. 104p. 20½cm. Ottawa, 1942.

Ruff, O., & Fessler, J. Gasschutz. 8. Aufl. 67p. 16° Lpz., 1937.

Sisson, H. A. On guard against gas; an account of the principles of gas warfare and of the steps to be taken by the ordinary citizen to defend his family. 91p. 8° Lond., 1938.

Stackelberg, S. Alerte aux gas! que faire. 234p. 8° Lausanne, 1935.

Taunton, C. Defence against gas; protection, first-aid, tactics, etc. 48p. 18cm. Lond., 1944.

United States. Office of Civilian Defense. Technical manual for the senior gas officer of civilian defense. 138p. 27cm. Cincin., 1942.

Zangger, H. Die Gasschutzfrage. p.209–340. 22½cm. Bern, 1932.

In: Schweiz. Zschr. Unfallmed., 1932, **26:**

Anti-gas precautions [Great Britain] J. Am. M. Ass., 1941, **117:** 876. Also Med. Off., Lond., 1941, **66:** 22.—**Antigas** preparations. J. Am. M. Ass., 1937, **108:** 403.—**Arnold, H. L.** What to do about poison gas. Hawaii M. J., 1941–42, **1:** 179–82.—**Barcroft, J.** Gas attacks; what to do and when to do it. Ulster M. J., 1942, **11:** 51–61.—**Brooksbank, A.** Civilian defence in chemical, gas, warfare. Australas. J. Pharm., 1937, n. ser., **18:** 708; 816; 958; 1054; 1174.—**Bruce, T.** Profylaktiska skyddsåtgärder och preventiv behandling mot stridsgaser. In: Handledn. & Försvarsmed., Stockh., 1940, **1:** 118–25.—**Civil** defense against war gases. Nature, Lond., 1942, **150:** 642.—**Civilian** (The) and gas attacks; advice which the pharmacist can give. Pharm. J., Lond., 1941, **92:** 48.—**Civilian** protection against poison gas. J. Am. M. Ass., 1942, **119:** 897.—**Creyghton, J.** [Protection against war gases] Geneesk. gids, 1937, **15:** 78; 108; 153.—**Criticism** of the protective measures against poison gas. J. Am. M. Ass., 1937, **108:** 1187.—**D., L.** Protection des populations civiles contre la guerre chimique [à propos du bombardement aérien des villes ouvertes] Rev. internat. Croix Rouge, 1938, **20:** 728–39.—**Dautrebande, L.** La protection individuelle contre les toxiques de combat. Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 61–75.—**Duties** in gas defense. N. England J. M., 1943, **228:** 378.—**Gas** precepts. Bull. Army M. Dep., Lond., 1943, No. 26, 4.—**Haldane, J. B. S.** Civil defence against war gases. Nature, Lond., 1942, **150:** 769.—**Hanslian, R.** Die Gasabwehr. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1:** 187–252. ——— Die Gasabwehr in der Nachkriegszeit; Einzelschutz; Körperschutz. Ibid., 483–8.—**Harrison, E. F.,** and gas defence. Brit. M. J., 1938, **2:** 295.—**Hasan Kadri Dirim.** Passif korunmada harp gazlari. Anadolu klin., Istanbul, 1941, **9:** 89–100.—**Hints** on gas from bombs. California West. M., 1942, **56:** 89.—**How** to protect oneself against gas. J. Am. M. Ass., 1942, **119:** 889.—**How** to protect yourself against gas. Am. J. Nurs., 1942, **42:** 787.—**How** to protect yourself against war gas. J. Am. M. Ass., 1943, **122:** 606.—**How** to protect yourself against war gases. N. Hampshire Health News, 1942, **20:** No. 9, 3.—**Huntoon, C. R.** Three practical suggestions. Chem. Warf. Bull., 1942, **28:** 133–5.—**Ioan, D.** Protectia contra gazelor de luptă şi bazele ei fiziologice. Rev. san. mil., Bucur., 1936, **35:** 1397–440, illust.—**Isacescu, D. A.** Consideraţiuni asupra atacului din avion şi a mijloacelor de protectie ale populatiei civile. Ibid., 1441–8.—**Lupo, C. W.** Civilian defense against war gases; with special reference to the lacrimal and respiratory mucous membranes. Brooklyn Hosp. J., 1940, **2:** 133–42.—**Lutte** contre les gaz; mesures de fortune à appliquer en cas de surprise par les gaz. Bull. san. Algérie, 1939, **34:** 223–8.—**O'Brien, H. R.** How to protect yourself against war gases. Connecticut Health Bull., 1943, **57:** 138.—**Office** of Civilian Defense; how to protect yourself against gas. N. England J. M., 1942, **227:** 156.—**Personal** protection against poisonous gases. Week. Bull. California Dep. Pub. Health, 1942–43, **21:** 107.—**Precautions** against gas attacks on civilians. J. Am. M. Ass., 1942, **120:** 218.—**Preparation** against a gas attack [Great Britain] Ibid., 1941, **116:** 2708.—**Preparations** for a gas attack. Ibid., **117:** 58.—**Protection** against gas. Med. Ann. District of Columbia, 1942, **11:** 323.—**Protection** (The) of patients against attacks of poison gas. J. Am. M. Ass., 1941, **117:** 468.—**Protection** des populations civiles contre la guerre chimique. Rev. internat. Croix Rouge, 1937, **19:** 769–83.—**Schicks, G. C.** Civilian protection during gas attack. N. Jersey J. Pharm., 1943, **16:** No. 2, 8.—**Simon.** L'application des phénomènes d'adsorption à la protection contre les gaz. Arch. méd. belges, 1937, **90:** 157–73.—**Spolyar, L. W.** How to protect yourself against war gases. Month. Bull. Bd Health Indiana, 1942, **45:** 279.—**Threat** (The) of poison gas. J. Am. M. Ass., 1942, **119:** 1125.—**Valentine, C.** Food, clothing and shelter in gas warfare. R. N., Rutherford, 1942–43, **6:** No. 2, 16; 48.—**Vigne, P.** Quelques notions simples sur la protection contre les principaux gaz de combat, ypérite, arsines caustiques, suffocants. Avenir méd., Par., 1939, **36:** 199–203.—**Warrick, L. F.** Protection against gas attack in civilian defense. Wisconsin Bd Health Q. Bull., 1943, **8:** No. 5, 15–8.—**Whitacre, R. J.** The anesthetist and gas defense. Current Res. Anesth. 1942, **21:** 120.

—— Defense: Devices.

See also **Clothing; Gas mask; Shelter.**

Cullumbine, H., & Liddell, H. F. The penetration of anti-gas ointments into skin. Brit. J. Derm. Syph., 1946, **58:** 294–7, 2 pl.—**Gas-proof** (A) pram. Nurs. Times, Lond., 1939, **35:** 253.—**Luzhinsky, G. F.** O korrigirujuščikh steklakh k protivogazam. San. sluzhba, Sverdlovsk, 1946, No. 6, 158–60.—**Roéland, C.** Appareil de protection pour le cheval contre les gaz. Rev. path. comp., Par., 1919, **19:** 239–46.—**Serra, G.** Mezzi improvvisati di protezione antigas. Gior. med. mil., 1938, **86:** 611–7.—**Trabuc, F.** Les données théoriques qu'il est indispensable au médicin de connaître en matière de défense passive contre la guerre aéro-chimique. Arch. méd. Angers, 1939, **43:** 6–12.—**Visser, J.** [Protective properties of cellophan against mustard gas] Geneesk. tschr. Ned. Indië, 1938, **78:** 471–83.

—— Defense: Food.

See also **Decontamination; Food economy; Gas detection.**

Great Britain. Air Raid Precaution Department. The protection of foodstuffs against poison gas. 8p. 12° Lond., 1938.

Great Britain. Ministry of Food. Food and its protection against poison gas. 2. ed. 18p. 24½cm. Lond., 1941.

Nickerson, M. H., Bauer, V., & Clare, V. A kit for the detection of blister gases on foods and food packaging materials. 11 l. 22cm. Edgewood Arsenal, 1944.

Forms No. 2, Rep. Med. Div. Chem. Warf. Serv. U. S. Army.

Rabinowitch, I. M. Protection of food and water against poison gas. 58p. 20½cm. Ottawa, 1942.

Vettier, G. *La protection des denrées alimentaires contre les gaz de combat. 85p. 8° Par., 1937.

Wooldridge, W. R. War gases and foodstuffs: Chemical warfare and food supplies. 50p. 21½cm. Lond., 1942.

Dixon, J. A. Protection of foods against poison gas. Med. Off., Lond., 1941, **66:** 76.—**Foodstuffs** and gas contamination. Pub. Health, Lond., 1941–42, **55:** 52.—**Gassed** food reclaimed by British. Food Indust., 1941, **13:** No. 11, 33.—**Gemetro, L.** Animales y carnes de consumo en contacto con agresivos químicos de guerra: generalidades; prevención, saneamiento, aprovechamiento. Rev. mil., B. Air., 1943, **43:** 601–6.—**Gibrin, C.** Préservation des aliments contre les effets des gaz de combat. Bull. Soc. sc. hyg. aliment., Par., 1938, **26:** 405–10.—**Page, A.B. P.** Damage to foodstuffs in chemical warfare. J. R. San. Inst., 1940–41, **61:** 155–9.—**Protection** (The) of food against poison gas [England] J. Am. M. Ass., 1937, **109:** 1825.—[**Regulations** for protection of food products from war gas] Hig. & zdorov., 1941, **6:** No. 9, 44–6.—**Stainsby, W. J., & Taylor, A. McM.** The detection of war gases in foodstuffs. Analyst, Lond., 1941, **66:** 44–54. ——— The rapid determination of arsenic in foodstuffs contaminated with lewisite. Ibid., 233–9.—**Surenianc, J. S.** [Safeguarding water supply outlets in gas attacks] Hig. & san., Moskva, 1944, **9:** No. 3, 13–7.—**Watkins, E. A.** Procedures for food sanitarians in gas defense program. Sanitarian, Los Ang., 1943–44, **6:** 324, &c.—**Williams, H. A.** The determination of arsenic in foods contaminated by war gases. Analyst, Lond., 1941, **66:** 228–33.—**Wooldridge, W. R.** War gases and foodstuffs. Vet. Rec., Lond., 1941, **53:** 661; 675. ——— The protection of foodstuffs from war gases. Ibid., 663–5.—**Zlotnikov, D. S.** [Protection of food products from war gases] Feldsher, Moskva, 1941, No. 11, 13–8. ——— [Protection of food supply from contamination by war gases] Hig. & zdorov., 1941, **6:** No. 11, 22–7.

—— Defense: Organization.

See also **Citizens Defense Corps; Decontamination service; Laboratory.**

Germany. Oberkommando des Heeres [Dokument] D1118: Das Gasschutz-Feldlaboratorium, vom 25.5.41 [Reprint] 57p. 20½cm. Berl., 1943.

Bircan, K. N. [Preliminary work concerning war gas and anti-war gas campaign in the U. S. A.] Askeri sihhiye mecmuasi, 1937, **66:** 98–104.—**Defense** against gas attack as prepared by a California county. Mod. Hosp., 1942, **58:** No. 3, 71–3.—**Gas** defense program. Med. Rec., N. Y., 1943, **156:** 140.—**Kelynack, A. V.** War gases from the point of view of the hospital—gas attack and hospital management. Med. Press & circ., Lond., 1937, **194:** 266.—**Labemann, R. W. E.** Einzel- und Sammelschutz gegen Gas-, Brand- und Splitterwirkungen Mil. Wbl., Berl., 1933, **118:** 223–5.—**Loir, A.** Protection (La) contre les gas de combat en Italie. Arch. méd. chir. Normandie, 1935, 3035–51.—**Lorenti, G. B., & Sartori, M.** Contributo alle studio della protezione collettiva antigas. Ann. med. nav., Roma, 1939, **45:** 225–8.—**Pennsylvania** is prepared against war gas attack. Pennsylvania Health, 1943, **4:** No. 8, 8.—**Schossberger, H., & Baum, E.** Die Gasabwehr in der Nachkriegszeit, Sammelschutz. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1:** 488–532.—**Unger.** Der Gasschutzunteroffizier und die neuen Bestimmungen über den Nachweis seines Geräts. Gasschutz, 1943, **13:** 252–4.—**Waitt, A. H.** Protection of groups. In his Gas Warfare, N. Y., 1942, 211–27, pl.—**Wolfson, Z. G.** [Sanitary protection for children against chemicals] Hig. & san., Moskva, 1940, **5:** No. 6, 11–7.

—— Defense: Supply.

See also **Decontamination.**

Gas precautions for medical supplies. Dent. Rec., Lond., 1941, 61: 340.—**Protecting** medical supplies against contamination by gas. Brit. M. J., 1941, **1:** 901.—**Tyner, G. P.** Security for the service of supply. Chem. Warf. Bull., 1938, **24:** 85–8.

—— Defense, tactical.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 395/16: Gasabwehrdienst aller Waffen. H. 16: Behelfs-Gasschutz, vom 26. 6. 44. 70p. 15cm. Berl., 1944.

Alcázar Ojeda, A. Qué clase de sales serían las que se darían a un cuerpo de zapadores que se encaminara rumbo a un campo preparado por el enemigo para batirlo con gases. Rev. méd. ejérc. nac., Méx., 1936, **1:** No. 5, 21.—**Boettger, C. R.** Die Taktik der Gasabwehr und der Gasschutz des Heeres durch taktische Massnahmen. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1:** 577–87.—**Donle, A.** Zusätzliche Gasabwehrmassnahmen an stehenden Fronten. Gasschutz, 1943, **13:** 254–62.—**Leconte, M.** La conduite à tenir en campagne en présence des gaz de combat. Gaz. hôp., 1940, **113:** 197–200.—**Parrilla Hermida, M.** Algunas notas sobre táctica sanitaria antigás. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 605–10.—**Tempelhoff, F. v.** Die Gasabwehr in der Nachkriegszeit; der Gasschutzdienst in der Truppe. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1:** 549–59.—**Waitt, A. H.** Tactical protection. In his Gas Warfare, N. Y., 1942, 228–39.

—— Defense, veterinary.

Rabinowitch, I. M. Anti-gas precautions for animals. 32p. 20½cm. Ottawa, 1942.

Gasschutz der Tiere. In: Grundl. Luftschutz, (Meyer, J.) 2. Aufl., Lpz., 1942, 175–8.—**Munţiu, N.** Protecţia animalelor contra gazelor de luptă. Rev. san. mil., Bucur., 1936, **35:** 1448–65, illust.—**Wilkins, J. H.** A note on the protection of service animals against war gases in World War II. J. R. Army Vet. Corps, 1947–48, **19:** 18; passim.

—— Ethical aspect.

Gas use bring threats of retaliation; warning to axis by United Nations inspires editorial comment in American newspapers. Chem. Warf. Bull., 1942, **28:** 111–4.—**Goran, M.** The myth of poison gas. Sc. Month., 1941, **53:** 374–6.—**Herrera Chueca, S. R.** Es cruel la guerra de gases? Rev. mil., B. Air., 1943, **43:** pt 2, 521–5.—**Orzechowski.** Die Gasmoral. Veröff. Marine San., 1942, H. 34, 230–4.—**Will** the Axis resort to gas warfare? Statist. Bull. Metrop. Life Insur., 1943, **24:** No. 9, 1.

—— History.

Voivenel, P., & Martin, P. La guerre des gaz; journal d'une ambulance Z. 276p. 19cm. Par., 1919.

Gasses (44) used in World War; new ones promised for next; chlorine, bromine, arsenic and ethyl radicle figure prominently in numerous lethal compounds. Science News Lett., 1939, **35:** 60.—**Heizer, R. F.** Mixtum compositum; the use of poison gases in warfare by the American Indians. Ciba Sympos., 1944–45, **6:** 1906.—**Indians** attacking a village on the St. Lawrence River by means of poison gas (after Thevet, 1558) [Illustration] Ciba Sympos., 1944–45, **6:** 1907.—**Simões, A.** Curioso phenomeno em gazé da Grande Guerra. Tr. Congr. region. med. Bahia, 1937, **1:** 204–7.—**Staehelin, R.** Erstmalige Verwendung von Giftgasen im Krieg. Wien. med. Wschr., 1939, **89:** 1066.—**Waitt, A. H.** The birth of chemical warfare; the first gas attack. In his Gas Warfare, N. Y., 1942, 14–24.

—— Instruction.

Canada. Director of Civil Air Raid Precautions. A. R. P. defence against gas. Ottawa, 1942–

Jordan & sons [London, Engl.] You are safe if you know war gases, learn and live. 24p. 18½cm. Lond. [n. d.]

United States. Office of Civilian Defense. Instructor's period guide; state and local gas specialist schools. 13p. 27cm. Wash., 1943

Ausbildung (Die) einer berittenen Kompanie im Gasabwehrdienst. Mil. Wbl., Berl., 1938–39, **123:** 2702.—**Donald, P.** A new method of gas training. Brit. M. J., 1943, **2:** 81.—**Educating** the public in protection against poison gas. J. Am. M. Ass., 1941, **117:** 1723.—**Eyster, J. A. E.** Instruction of civilian physicians in gas warfare. Wisconsin M. J., 1943, **42:** 1253.—**Feddersen, T.** [The part of the military physician in instructions for war gases defense] Militacrlaegen, 1938, **44:** 147–54.—**First** (The) antigas school [Gloucestershire] J. Am. M. Ass., 1936, **107:** 292.—**Gas** course for Los Angeles physicians. Bull. Los Angeles Co. M. Ass., 1942, **72:** 467.—**Gas** training with a real gas. Milit. Rep., Wash., 1942, 21–5.—**Merrill, H. B.** Practice teaching for gas noncoms. Chem. Warf. Bull.,

1942, 28: 139.—**Milton, H. M.** Gas school on wheels; how one large organization used initiative and solved its training problems. Ibid., 206–9.—**New** courses for [civilian] gas specialists. J. Am. M. Ass., 1943, **121**: 137.—**Organization** of state gas specialist schools. Ibid., 767.—**Short** courses in medical aspects of gas warfare to be offered physicians by Ohio's 3 medical schools. Ohio M. J., 1942, **38**: 861.

—— Medical aspect.

See also **Emergency Medical Service.**

Dearing, W. P. The role of the emergency medical service in gas defense. 4p. 27cm. Wash., 1943.

San Francisco, Calif. Committee on Medical Aspects of War Gases. Recommendations. 7 l. 28cm. S. Franc., 1942.

United States. Office of Civilian Defense. Release, Aug. 9, 1943: New gas protection in OCD Medical Division. 1. 26½cm. Wash., 1943.

Dearing, W. P. The role of the emergency medical service in gas defense. Bull. Am. Coll. Surgeons, 1943, **28**: 160–4.—**England** (In) now; a running commentary by peripatetic correspondents. Lancet, Lond., 1940, **2**: 242.—**Ionesco-Matiu, A.** Les gaz de combat, au point de vue chimique, industriel et national. Bull. Acad. méd. Roumanie, 1938, **3**: 79–102.—**Kirk, N. T.** The medical aspects of gas warfare. In: Surg. Tr. Motor-skelet. Syst. (Bancroft, F. W.) Phila., 1945, 1245–51.—**Kraefft.** New experiences in air-raid defense medical service and the problems of the air-raid warden in case gas is used. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 201.—**Marzecki, J.** Lekarz, a wojna gazowa. Med. & przyroda, 1938, **2**: No. 2, 22–4.—**Mitchiner, P. H.** Gas warfare and the doctor's responsibility to his patients. Brit. M. J. 1938, **1**: Suppl. No. 1734, 93–5.—**Ritlop, B.** Gázháború és az orvos. Orvostud. közl., 1942, **3**: 703.—**Scott, E. W.** Rôle of the Public Health Laboratory in gas defense. Am. J. Pub. Health, 1944, **34**: 275–8.—**Tainter, M. L.** The medical aspects of war gases and chemicals; a summary. Stanford M. Bull., 1942, **1**: 6–8.—**Takemura, B.** Doku-gasu igaku no genkyō [... medical science and poison gas] Tōzai igaku, 1941, **8**: 136–44.—**Thomann, J.** Chemischer Krieg und Militärpharmazie. In his Ausgew. Kap. Milit. Pharm., Bern, 1940, 121–32.

—— Naval aspect.

Great Britain. Air Raid Precautions Department. Air raid precautions handbook No. 7: Anti-gas precautions for merchant shipping. 3. ed., 1943 repr. 37p. 16½cm. Lond., 1941. Also 4. ed. 35p. 26½cm. Lond., 1943.

United States. Navy. Bureau of Naval Personnel. Navpers 15039: Gas! Know your chemical warfare. 41p. 23cm. Wash., 1944.

—— Nutritional aspect.

See also **Decontamination.**

Udall, R. H., Nickerson, M. H. [et al.] Investigation of the toxicity of foods exposed to high vapor or liquid concentrations of CK. 16p. 27cm. Edgewood Arsenal, 1946.

Forms No. 68, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Andreoni, R. La guerra chimica e i prodotti della pesca. Azione vet., 1940, **9**: 22–6.—**Dowgiallo, J.** Food and poison gas. Vet. J. Lond., 1942, **98**: 185; passim.—**Ioan, D., & Balaban, I.** Infectarea apei, alimentelor si furajelor prin gazele de luptă. Rev. san. mil., Bucur., 1936, **35**: 1465–80.—**Ritlop, B.** [Food poisoning by chemical war gases] Orv. hetil., 1939, **83**: 311–5.—**Spengel, D., & Ushaev, A.** [Samples of food and water infected by chemical gases] Voen. san. delo, 1937, No. 8, 34.—**Telbisz, A.** [Are water and food poisoned by war gases consumable?] Orv. hetil., 1937, **81**: mell.. 89.

—— Organization.

Waitt, A. H. Gas on a hostile shore. In his Gas Warfare, N. Y., 1942, 155–67, pl.

—— Protective clothing.

See also **Decontamination.**

Crowden, G. P. Body temperature control and physiological reactions during muscular work in gas protective clothing. J. R. Army M. Corps, 1938, **70**: 145; 217.—**Muscular** work in gas-protective clothing. Brit. M. J., 1938, **1**: 1011.—**Predtechensky, B.** Protivokhimičeskaja odežda. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 908–10.—**Sorley, E. R.** The use of gas protective clothing in Singapore. Brit. M. J., 1939, **1**: 385–7.—**Uglov, V. A.** [Hygienic properties of army grey cloth, saturated with paraffine] Tr. Acad. mil. méd. Kiroff, 1935, **2**: 268–71.—**Use** of the individual protective cover. Chem. Warf. Bull., 1943–44, **29**: 126–8.

—— Tactics.

See also subheading (**Attack**)

Tempelhoff, F. Gaswaffe und Gasabwehr; Einführung in die Gastaktik. 220p. 8° Berl., 1937.

Hanslian, R. Die gastechnischen Rüstungen der Fremdstaaten. In his Chem. Krieg, 3. Aufl., Berl., 1937, **1**: 291–321.—**Zenetti, E.** Die taktische und schiesstechnische Entwicklung des Artillerie-Gasschiessens bei den Fremdstaaten. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, 1: 372–409.

GEIGER-MÜLLER counter.

See under **Atomic energy; Radioactivity.**

GENERAL hospital.

For all varieties see **Hospital; Hospital report** (subheadings)

GENERATOR.

See **Gas,** Production; **Oxygen generator.**

GENEVA Convention.

See also **Humanitarianism; Prisoner of war; Red Cross.**

Anderegg, M. Die Schutzbestimmungen in den internationalen Abkommen über das Rote Kreuz. 122p. 23½cm. S. Gallen, 1942.

United States. Navy. Bureau of Medicine and Surgery. NAVMED 903: Manual on the Geneva Convention and Naval Medical Liaison with the American Red Cross. 38p. 23cm. Wash., 1945.

Delpérée, R. La convention de Genève et la protection des populations civiles. Bull. internat. Serv. santé, Liége, 1937, **10**: 94–6. ——— La lutte pour la protection des populations et les conventions humanitaires. Ibid., 355–7.—**Des Cilleuls.** La contribution française aux conventions humanitaires; depuis les origines jusqu'à la convention de Genève de 1864. Bull. Soc. méd. mil. fr., 1948, **42**: 114–8.—**Des Gouttes, P.** Projet de convention concernant la condition et la protection des civils de nationalité ennemie qui se trouvent sur le territoire d'un belligérant ou sur un territoire occupé par lui. Rev. internat. Croix Rouge, 1935, **16**: 649–62.—**Geneva** Convention relative to the protection of civilian persons in time of war. Ibid., Suppl., 1949, **2**: 228–92.—**Genfer** (Zum) Abkommen zur Verbesserung des Loses der Verwundeten und Kranken der Heere im Felde und über die Behandlung der Kriegsgefangenen. Reichsgesundhbl., 1938, **13**: 417.—**Genferkonvensjonen** av 27. juli 1929 om såredes og sykes behandling i krig. Norsk tskr. mil. med., 1932, **36**: 21; 46.—**Kończacki, A. A.** Refleksje na temat odczytu o konwencji genewskiej. Lek. wojsk., 1927, **9**: 143–50.—**Pictet, J. S.** The new Geneva conventions; retention of members of the Army Medical Services who have fallen into the hands of the enemy. Rev. internat. Croix Rouge, 1950, **3**: Suppl., 30; passim.—**Rapport** du Comité international de la Croix-Rouge sur le projet de convention pour la création de localités et zones sanitaires en temps de guerre, adopté par la commission d'experts réunie à Genève les 21 et 22 octobre 1938. Ibid., 1939, **21**: 161–201.—**Revision** of the Geneva Convention of July 27, 1929, for the relief of the wounded and sick in armies in the field. Ibid., 1948, **30**: Suppl., 200–21.

GENITALS.

See also **Epididymitis; Injury; Urogenital apparatus;** also **Gonorrhea; Venereal disease,** etc.

Goldin, G. Polovoj chlen (penis) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 749–53, pl.—**Jordania, I.** Polovye organy. Ibid., 753–63.—**Newman, H. R.** Anomalies of the urogenital tract in soldiers. Connecticut M. J., 1947, **11**: 16–22.—**Non-venereal** diseases of genital tract. Med. Bull. U. S. First Army, 1948, **3**: No. 2, 25–8.

—— Injury.

Cárdenas, M. de. Solución autoplástica de una extraordinaria herida de los órganos genitales. Rev. españ. med. cir. guerra, 1941, **7**: 185–92.—**Hirschfeld, M.** Genital injuries, war eunuchs, etc. In his Sex. Hist. World War, N. Y., 1937, 224–44.—**Küttner, H.** Geschlechtsorgane. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 774–96.—**McCrea, E. D.** Wounds of the scrotum, testicles and penis. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 265–9. Also 2. ed., Balt.,

1942, 1: 463–7. Also 3. ed., Edinb., 1944, 958–62.—**Stevenson, W. F.** Gunshot wounds of the genital organs. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 122–4.—**Stogov, V. A., & Golubchanskaia, A. V.** K voprosu ob ognestrelnykh raneniiakh predstatelnoj żelezy. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 177–9.

GEOPATHOLOGY.

See also names of diseases as **Dysentery, Geography;** also **Intelligence, medical; World War I; World War II.**

United States. Air Force. Arctic, Desert and Tropic Center. Informational bulletin No. 16: Handbook of Burma and Northeastern India. 104p. 15½cm. N. Y., 1944.

United States. Army. Surgeon-General's Office. Preventive Medicine Service. Health precautions for Central and South Africa and the West Coast of Africa. 10p. 29cm. Wash., 1941.

United States. Army Service Forces. Manual M354–13: Civil affairs handbook, Japan. Section 13: Public health and sanitation. Preliminary draft. 215p. 26cm. Wash., 1943.

—— Manual M356–13: Civil affairs handbook, Germany. Section 13: Public health and sanitation. Preliminary draft. 51p. tab. 26cm. Wash., 1944.

—— Manual M357–13: Civil affairs handbook, The Netherlands. Section 13: Public health and sanitation. Preliminary draft. 86p. 26cm. Wash., 1943.

—— Manual M358–13: Civil affairs handbook, Bulgaria. Section 13: Public health and sanitation. Preliminary draft. 73p. 26cm. Wash., 1943.

—— Manual M359–13: Civil affairs handbook, French Indo-China. Section 13: Public health and sanitation. 57p. 26cm. Wash., 1943.

United States. Navy. Bureau of Medicine and Surgery. NAVMED 266: Epidemiology of diseases of naval importance in Formosa. v. p. [103]p. 26cm. Wash., 1944.

—— [The same] Supplement. NAVMED 460. 39p. 26cm. Wash., 1944.

United States. Navy. Office of the Chief of Naval Operations. Publications, OPNAV 50E–9, Occupied areas section: Civil affairs handbook:—Izu and Bonin Islands. 188p. 27½cm. Wash., 1944.

United States. War Department. Pamphlet. No. 8–6: Geographical distribution of certain diseases. Rev. ed. 14 maps. 23cm. Wash., 1944.

—— Technical bulletin TB MED 27: Medical and sanitary data on Germany. 120p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 30: Medical and sanitary data on Formosa. 18p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 52: Medical and sanitary data on Denmark. 31p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 66: Medical and sanitary data on Finland. 22p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 79: Medical and sanitary data on Eritrea. 15p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 86: Medical and sanitary data on French Indo-China. 35p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 93: Medical and sanitary data on the Dodecanese Islands. 12p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 118: Medical and sanitary data on Hainan. 24p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 129: Medical and sanitary data on the Gold Coast. 24p. 26cm. Wash., 1945.

—— Technical bulletin TB MED 140: Medical and sanitary data on Hungary. 52p. 26cm. Wash., 1945.

—— Technical bulletin TB MED 174: Medical and sanitary data on India. 82p. 26cm. Wash., 1945.

—— Technical bulletin TB MED 178: Medical and sanitary data on Italy. 178p. 26cm. Wash., 1945.

—— Technical bulletin TB MED 214: Medical and sanitary data on Egypt. 50p. 23cm. Wash., 1946.

—— Technical bulletin TB MED 215: Medical and sanitary data on Eire. 51p. 27cm. Wash., 1946.

—— Technical bulletin TB MED 217: Medical and sanitary data on the Ivory Coast. 36p. 26½cm. Wash., 1946.

Alphabetical list of TB MED's pertaining to the Far East. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 6, 3–7.—**Barkhuus, A.** Geomedicine and geopolitics. Ciba Sympos., 1944–45, **6:** 2017–20.—**Brink, V.** Army medicine in Egypt. S. Afr. M. J., 1943, **17:** 331–4.—**Darnall, J. R.** Peculiarities of certain common diseases in Panama. Mil. Surgeon, 1940, **87:** 531–6.—**Deney.** Maladies dominantes à Dakar. Arch. méd. pharm. nav., 1938, **128:** 984–1009.—**Dieuaide, F. R.** Problems of disease in the Far East. Bull. U. S. Army M. Dep., 1945, **4:** 57–61.—**Jusatz, H. J.** Zehn Jahre Geomedizin; ein kritischer Ueberblick über die geomedizinische Forschungsarbeit des letzten Jahrzehnts. Münch. med. Wschr., 1942, **89:** 1031–5.—**Kitano, M.** Mōko ni okeru gan yōso-syō ni tuite [Myiasis of the eyes in Mongolia] Gun idan zassi, 1938, No. 299, 291–308, 2 pl.—**Krieg** und Volksgesundheit in Italien. Münch. med. Wschr., 1942, **89:** 251.—**Lejeune, F.** Der Nahe Osten; eine medizinisch-rassengeschichtliche Studie. Deut. med. Wschr., 1941, **67:** 468; 491.—**Manson-Bahr, P.** The prevalent diseases of Libya. Lancet, Lond., 1941, **1:** 253–5. —— The prevalent diseases of Italian East Africa. Ibid., 609–12.—**Medical** and sanitary data on Italy. War. Dept. Techn. Bull., 1945, No. 178, 1–75.—**Rabl, R.** Krankheitsänderungen in der geographischen Pathologie. Klin. Wschr., 1941, **20:** 950–5.—**Ramírez Espindola, A.** Importancia de la geografía médico-militar. San. mil., Méx., 1948, **1:** 17–22.—**Rodenwaldt, E.** Geomedizin. FIAT Rev., Wiesb., 1948, Hyg. pt 1, 65–73.—**Strugnell, L. F.** A thumbnail sketch of public health in Crete. J. R. Nav. M. Serv., 1940, **26:** 54–8.—**Walker, R. F.** Geneifa. J. R. Army M. Corps, 1939, **73:** 40–6.—**Zeiss, H.** Die Geomedizin des Ostraumes. Deut. Aerztebl., 1943, **73:** 140–2.

GERMANY.

For references to this country see the following terms in Military Section: **Aeromedicine; Air Force; Air Force Medical Service; Army; Bacteriological warfare; Dental care; Dental Corps; Dental service; Food rationing; Hospital report; Medical care; Medical Corps; Medical Department; Medical examination; Medical officer; Medical organization; Medical service; Military medicine; Military surgeon; Morbidity; Navy; Navy Medical Corps; Navy Medical Service; Neuropsychiatric examination; Neuropsychiatry; Nurse Corps; Nursing service; Nutrition service; Orthopedics; Pharmaceutical service; Pharmacist; Pharmacy; Physician; Prisoner of war; Psychiatry; Ration; Recruiting; Sanitation; Surgery; Surgical service; Tuberculosis; Venereal disease; Veterinary Corps; Veterinary service; Wars and campaigns; World War I; World War II.**

GERM warfare.

See **Bacteriological warfare; Biological warfare.**

G forces.

See **Gravitation.**

GIARDIASIS.

See also **Parasitosis.**

Hurst, A. F. Lamblia diarrhoea. In his Med. Dis. War, 3. ed., Lond., 1943, 310–4.—**Jameson, J. E.** Notes on cases of chronic diarrhoea and vague ill-health, apparently due to the flagellate Giardia lamblia. J. R. Army M. Corps, 1941, **77:** 320–3.—**Monat, H. A., & McKinney, W. L., jr.** Giardiasis; question of pathogenicity. U. S. Nav. M. Bull., 1946, **46:** 1204–6.—**Weselmann, H.** Ueber die Bedeutung des Vorkommens von Lamblien im Duodenum und im Gallenwegssystem. Deut. Militärarzt, 1943, **8:** 204–7.

GILBERTS.

See under **World War II.**

GINGIVA.

See also next heading; also **Mouth.**

Budge, C. T. Carcinoma under denture. Bull. U. S. Army M. Dep., 1945, **4:** 595.—**Clemente, N. V.** Soft fibroma; case report. Ibid., 1944, No. 76, 113–5.—**Stobie, H.** Treatment of diseases of the gums; treatment in the Army. Brit. Dent. J., 1943, **75:** 173.—**Stutz, L.** Kurze Mitteilung über Zahnfleischbluten. Deut. Militärarzt, 1940, **5:** 278.

GINGIVITIS.

See also **Mouth; Vincent's infection.**

Buxton, J. L. D. The treatment of gingivitis in recruits. Mod. Treat. Yearb., Lond., 1942, **8:** 207–10.—**Casey, J. B.** Ulceromembranous gingivitis; a plan for simplified treatment. U. S. Nav. M. Bull., 1943, **41:** 1448–50.—**Eghave, H., & Pindborg, J. J.** Om gingivitter og deres behandling. Militaerlaegen, 1947, **53:** 1–6.—**Hoffman, R. H., Bassel, A., & Calvosa, G. F.** Penicillin troches for gingivitis. Air Surgeon Bull., 1945, **2:** 408.—**Horowitz, A. H., & Horowitz, S. L.** Chemotherapeutic adjuncts in the treatment of necrotic gingivitis; a review. Mil. Surgeon, 1945, **97:** 112–21.—**Light, A. E.** Bleeding gums in Army personnel. Bull. U. S. Army M. Dep., 1947, **7:** 789–94.—**Macdonald, A. C.** Bleeding gums and gingivitis in naval ratings. Lancet, Lond., 1943, **2:** 697–9.—**Mladek, I.** Ulcerative gingivitis in army medical practice. Bull. War M., Lond., 1941–42, **2:** 495 (Abstr.)—**Moir, L. J.** Treatment of acute gingivitis with zinc oxide paste and wooden points. J. R. Army M. Corps, 1942, **79:** 34–7.—**Parsons, C. G.** Gingivitis in the forces. Lancet, Lond., 1942, **1:** 214.—**Schluger, S.** Necrotizing ulcerative gingivitis in the Army; incidence, communicability and treatment. J. Am. Dent. Ass., 1949, **38:** 174–83.—**Smart, G. A.** Incidence of gingivitis in the Royal Air Force. Brit. M. J., 1944, **2:** 242–4.—**Stuhl, F.** Gingivitis in the forces. Lancet, Lond., 1942, **1:** 276. ——— **& Coventry, J. B.** [The same] Ibid., 153.—**Treatment** of ulcerative gingivitis. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 24.—**Vadmand, J.** Gingivitis ulcero-membranacea. Militaerlaegen, 1947, **53:** 7–10.—**Van Der Aue, O. E., & Cullen, V. R.** Gingivitis among submarine personnel; a comparative study. U. S. Nav. M. Bull., 1945, **44:** 811–6.

GLANDERS.

See also **Epizootic.**

Hetsch, H. Rotz. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 126.—**Hughes, D. V.** Report of an outbreak of glanders in North Africa. Med. Bull. Medit. Theater U. S., 1945, **3:** 31.—**Rosebury, T.** Malleomyces pseudomallei. In his Exp. Airborne Infect., Balt., 1947, 151–8. ——— Malleomyces mallei. Ibid., 159–61.

GLARE.

See also **Dazzle.** For antiglare goggles see also under **Eyeglass.**

Dixon, F. The relation between systolic blood pressure and effects of glare. 1 l. 23½cm. Lond., 1941.

Forms No. 397, F. P. R. C. Gr. Britain Flying Pers. Res. Com.

Keil, F. C., & Campbell, P. A. A detachable sun glare shield [8] l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 107, U. S. Air Force School Aviat. M.

King, B. G., & Birren, J. E. Laboratory test of anti-glare spectacles. 10p. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X-172 (AV-V7-3) U. S. Nav. M. Res. Inst.

Strughold, H. Intermittent light as a weapon. 7 l. 27cm. Heidelb., 1946.

Forms Jan. 2 issue of Transl. U. S. Air Force Aero M. Cent., Heidelb.

Glare. News Lett. R. Nav. Air M. School, 1949, No. 11, 12–4.—**Stiles, W. S.** Wartime problems of glare and dazzle. Brit. M. Bull., 1947, **5:** 50–2.

GLASS [& glassware]

See also **Laboratory;** also **Eyeglass; Optics.**

Alarcón Puertas, E. Analisis fisico y químico de los objetos de vidrio y caucho empleados por el servicio médico. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 110.—**Anti-scatter** treatments for window glass; notes from the Information Bureau of the Building Research Station. J. R. Army M. Corps, 1941, **76:** 30; 92.—**Bruère.** Essai colorimétrique de la verrerie par un colorant triple. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 112.—**Multiple** micro-tube washer. Bull. U. S. Army M. Dep., 1945, **4:** 46.—**Pagniello.** Analisi fisica e chimica delle vetrerie e oggetti in caoutchouc utilizzati per i servizi di sanità. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 118.—**Parri, W., & Bracaloni, L.** Saggi per un rapido giudizio sulla neutralità dei vetri. Gior. med. mil., 1941, **89:** 187–97.—**Popawski, W., & Fabicki, J.** Analyse chimique et physique du verre. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 113.—**Saitō, T.** Physical and chemical tests of glass and rubber articles. Ibid., 119.

GLAUCOMA.

See also **Eye,** Disease.

Barkan, O. Glaucoma. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1:** 355; 1948, **2:** 276.—**Carra, G.** Il glaucoma primitivo sotto il profilo medico legale. Gior. med. mil., 1949, **96:** 623–30.—**McKee, T. L.** Juvenile glaucoma; report of a case in a 19 year old soldier. Mil. Surgeon, 1943, **92:** 50–3.—**Mallol de la Riva, F.** Estudio clínico y terapéutico del glaucoma. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 225; 297.—**Mercier, A.** Glaucomes de guerre. Rev. méd. fr., 1945, **26:** 25–7.—**Schmelzer.** Glaukomuntersuchungen im jetzigen Krieg. Klin. Mbl. Augenh., 1947, **112:** [Discussion] 91.

GLEASON & Borg virus.

See with **Bacteriological warfare,** Weapons.

GLOMERULONEPHRITIS.

See under **Nephritis.**

GLOVE.

Brues, A. M. Hand size and required glove size for flying personnel. 3 l. 27cm. Dayton, 1943.

Forms No. ENG-49-695-32E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Debons, A. Gloves as a factor in reduced dexterity. 6p. 26½cm. Ladd Air Force Base, 1950.

Forms Proj. No. 21-01-018 (Phase 1, Program 1) U. S. Air Force Arct. Aeromed. Laborat.

Mendelson, E. S., Hosbach, L. [et al.] The testing of insulation in gloves by the use of a cold box for cooling the hand only and calorimetric estimations of the heat exchange under these conditions. 26p. 28cm. Wash., 1945.

Forms No. 435, Rep. Com. Aviat. M. U. S. Nat. Res. Counc,

Taylor, C. L. Tests of experimental electrically heated flying gloves. 7p. 28cm. Wash., 1944.

Forms No. 314, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Bundy, H. E. Sensitivity to latex gloves. Med. Bull. Veterans Admin., 1941–42, **18:** 200–2.—**Glove** powder box. Bull. U. S. Army M. Dep., 1944, No. 79, 14.—**Gloves,** mosquito. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 91.—**Gusev, A.** Perčatki khirurgičeskie. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 482–5.—**Skorin, I.** Obezzaraživanie khirurgičeskikh perčatok pri pomošči preparata neopantocid. Voen. san. delo, 1941, No. 9, 55–9.—**Taylor, K. P. A.** Conservation of rubber gloves by chemical sterilization; study of efficacy of chemical sterilization and comparison of the effects of heat and chemical sterilization upon rubber gloves. U. S. Nav. M. Bull., 1942, **40:** 916–22.—**Wolff, U.** Sterilisation der Gummihandschuhe mit der Sagrotan-Vasoform-Methode. Münch. med. Wschr., 1937, **84:** 1100–2.

GLYCOL [and derivatives]

Wilson, O., & Rosenbaum, S. J. Concentration studies in the process of nebulization of triethylene glycol solution. 14p. 27cm. Edgewood Arsenal, 1947.

Forms No. 130, Rep. Med. Div. Chem. Corps U. S. Army.

Meyer, A. Use of glycol vapors for air sterilization. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1**: No. 5, 19–22.—**Tests** of practical application of triethylene glycol vapor in the control of air-borne infection. Rep. Com. Airborne Infect. U. S. Army, 1945, 14–9, tab.—**Thürauf, K.** Ueber Vergiftungen mit glykolhaltigen Kühlerfrostschutzmitteln. Deut. Militärarzt, 1943, **8**: 622.

GLYCOSURIA.

See also **Diabetes mellitus; Medical examination.**

Gichner, M. G., & Gibson, C. D., jr. Management of soldiers with glycosuria in a separation center. Am. J. Clin. Path., 1946, **16**: 279.—**Keeping, J. A., & Lawrence, R. D.** Glycosuria in recruits; incidence and classification. Lancet, Lond., 1947, **1**: 901–3.—**Peel, A. A. F., & Peel, M. W.** Glycosuria in recruits. Glasgow M. J., 1941, **135**: 141–52.

GOGGLES.

See under **Eyeglass.**

GOITER.

See also **Thyroid; Thyrotoxicosis.**

Ambrosi, V. Il gozzo acuto nei rapporti con quello cronico; a proposito di un focolaio fra i militari dislocati in provincia di Cuneo. Policlinico, 1941, **48**: sez. prat., 1606–19.—**Barre, M.** Haben wir eine Kropfepidemie? ein Beitrag zur Diskussion über die Kriegsstrumen. Deut. med. Wschr., 1949, **74**: 55.—**Blackwell, C. C.** Horner's syndrome associated with goitre; case report. Mil. Surgeon, 1944, **95**: 219–22.—**De Bernardinis, V., Bottaliga, M., & Coppo, M.** Episodio di gozzo a rapida insorgenza fra truppe dislocate nella provincia di Cuneo. Policlinico, 1941, **48**: sez. prat., 618–26.—**McClendon, J. F., & Foster, W. C.** Goiter, iodine and military strength. J. Clin. Endocr., 1942, **2**: 193.—**Pasqualini, R. Q., & Luxardo, J. C.** Bocio endémico en la gobernación de Misiones. Rev. san. mil., B. Air., 1946, **45**: 1050–4.—**Radojčić, B., & Joksimović, S.** Prilog profilaksi akutne i endemične strume u našoj zemlji. Voj. san. pregl., Beogr., 1948, **5**: 87–91.—**Schnizer, v.** Psychopathie, Basedow und Herzanfälle nicht als Dienstbeschädigung anerkannt. Med. Klin., Berl., 1926, **22**: 61.—**Wespi, H. J., & Eggenberger, H.** Kropfprophylaxe und Diensttauglichkeit. Schweiz. med. Wschr., 1941, **71**: 1184–7.

GOLD.

Herrmann, C. L., Nyman, B. [et al.] The effect of British anti-lewisite (BAL) on the excretion of gold salts. 3p. 22cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 482, U. S. Air Force School Aviat. M.

Western, O. C. Preparation of colloidal gold. Hosp. Corps Q., 1945, **18**: No. 10, 37–41.

GOLD Coast.

See under **World War II.**

GONORRHEA.

See also **Venereal disease.**

Cox, O. F. The management of gonorrhea for the national defense. Bull. Genitoinfect. Dis., 1941, **4**: No. 5, 1.—**Gonococcus** infection, urethra. Statist. Navy M., 1947, **3**: No. 9, 6–9.—**Guilloz, T.** Traitement de l'urétrite chronique ou goutte militaire par le courant galvanique. C. rend. Ass. fr. avance. sc., 1907, **36**: 400.—**Jame, L.** Présentation d'un film de propagande antivénériene, intiululé La blennorragie; danger social. Deliber. Congr. derm. internat. (1935) 1935–37, 9. Congr., **3**: 359.—**Pattison, D. H., & Burhans, R. A.** Posterior gonococcal urethritis. U. S. Nav. M. Bull., 1944, **43**: 278–80.—**Proppe, A.** Zur truppenärztlichen Diagnostik und Therapie der Gonorrhoe. Münch. med. Wschr., 1943, **90**: 215–8. Also Vjschr. schweiz. Sanitätsoff., 1943, **20**: 87 (Abstr.)—**Sanò, M.** La blenorragia nella storia della medicina. Ann. med. nav., Roma, 1949, **54**: 333–46.—**Strauss, H., & Grunstein, I.** Sulfathiazole therapy of 500 prostitutes with chronic gonorrhea; the control of venereal disease in wartime. J. Am. M. Ass., 1943, **121**: 1187–90.

—— Complications and sequelae.

See also **Epididymitis.**

Vogt, F. C. Is gonorrhea a medical problem? Circ. M. Sect. Far East Command, 1947, No. 10, 14.—**Vonderlehr, R. A.** Renaissance of the gonorrhea control program. Am. J. Syph., 1943, **27**: 411–4.—**Zaigraev, M., Levin, A., & Jordania, I.** Gonoreja (gonorrhea) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 112–24.

—— chronic.

Brofman, B. L. Gonorrheal arthritis with keratodermia blennorrhagicum. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: 4–9.—**Fox, F. G.** Acute catarrhal prostatitis relieved by tonsillectomy in the presence of acute gonorrhoea. U. S. Nav. M. Bull., 1935, **33**: 530.—**Gateley, J. R.** Case of keratodermia blennorrhagicum (gonorrheal dermatitis) Ibid., 1945, **45**: 1159–62.—**Gonococcal** arthritis. Bull. Army M. Dep., Lond., 1943, No. 23, 8.—**Green, T. H.,** jr. Acute epididymitis following treatment for acute gonorrheal urethritis. Med. Bull. Europ. Command, 1949, **6**: No. 10, 7–10.—**Harner, C. E., & Kelly, R. E.** Extra-urethral penile gonococcal infection; report of a case. U. S. Nav. M. Bull., 1943, **41**: 197–9.—**Hiehle, W. W., & Hamp, A. K.** Response of keratosis blennorrhagica to penicillin. Mil. Surgeon, 1949, **105**: 211–5.—**Klotz, B.** Parafrenal abscess; complication of gonorrheal urethritis. U. S. Nav. M. Bull., 1944, **43**: 543–5.—**Malhotra, S. N.** [Gonorrhoeal epididymitis] Deut. Militärarzt, 1940, **5**: 508 (Abstr.)—**Ogg, F. W., & Funkhouser, S. P.** Gonococcal septicemia, with recovery. Med. Bull. Veterans Admin., 1941–42, **18**: 318.—**Oudard & Coureaud.** Arthrite gonococcique de la hanche; quatre cas d'arthrite gonococcique aiguë et suraiguë de la hanche. Arch. méd. pharm. nav., 1929, **119**: 405–14.—**Report** of studies in gonococcal and non-gonococcal urethritis. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: 9–21.—**Torrey, W. E.,** jr. Gonorrheal endocarditis; report of a case. U. S. Nav. M. Bull., 1946, **46**: 1755–9.—**Valverde, B.** A lavagem das vesículas seminais e o cateterismo dos deferentes. Arq. brasil. med. nav., 1949, **10**: 1675–81, ch.

—— Complications and sequelae: Eye.

Bickford, N. A case of bilateral gonorrhoeal ophthalmia cured with a small dosage of M & B 693. J. R. Army M. Corps, 1942, **78**: 43.—**Evans, A. J.** Gonococcal conjunctivitis treated with penicillin. J. R. Nav. M. Serv., 1945, **31**: 176.—**Gerasimenko, T. N., & Poliak, B. L.** [Treatment of gonorrhea of the eyes in adults with intravenous injections of sulphidine] Voen. med. J., Moskva, 1944, 46–8.—**McNair, S. S.** Gonorrheal ophthalmia; report of 2 cases of unusual origin. U. S. Nav. M. Bull., 1944, **43**: 532–4.—**Seelig, C. A.** Gonorrheal ophthalmia; treatment with intra-ocular penicillin; report of a case. Ibid., 1945, **44**: 389.—**Smart, F. P., Young, C. A., & Phillips, K.** The treatment of gonorrheal ophthalmia by diathermy in conjunction with sulfonamides; report of 3 cases. Ibid., 1943, **41**: 1727–30.—**Spalluto, A.** Un caso di cherato-congiuntivite blenorragica curato con la penicillina. Ann. med. nav., Roma, 1946, **51**: 163–6.—**Town, A. E.** Gonorrheal ophthalmia; treated with penicillin. U. S. Nav. M. Bull., 1945, **44**: 387, pl.—**Wheeler, S. J.** A case of gonococcal ophthalmia. J. R. Nav. M. Serv., 1941, **27**: 80–4.

—— Control and prevention.

Gillis, E. A. Gonorrhea control during the decade of World War II. Am. J. Syph., 1948, **32**: 99–105.—**Granet, E.** Local prophylaxis for gonorrhea; an improved technic. Mil. Surgeon, 1946, **98**: 25–7.—**Joses, M.** Sulfathiazole prophylaxis of gonorrhea and chancroid. U. S. Nav. M. Bull., 1942, **40**: 113–5.—**Kaufman, J. B., & Litterer, A. B.** Study of sulfathiazole in calomel ointment as a prophylaxis for gonorrhea; a preliminary report. Ibid., 1944, **42**: 483–5. ——— Study of sulfathiazole in calomel ointment as a prophylaxis against gonorrhea; report of 10,006 treatments. Ibid., 1945, **45**: 381–3.—**Kline, E. F., & Ryan, T. C.** Sulfathiazole prophylaxis in prevention of gonococcus infections. Ibid., 1942, **40**: 360.—**Pelouze, P. S.** Progress in the wartime management of gonorrhea. Vener. Dis. Inform., 1944, **25**: 42–5.—**Rogers, J. A.** Sulfathiazole by mouth in the prophylaxis of gonorrhea. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 146, 1.

—— Neisseria.

Kaplan, A. M. Culturing the gonococcus. U. S. Nav. M. Bull., 1944, **42**: 1410.—**Morton, H. E., & Leberman, P. R.** Cultivation of the gonococcus; advantages of chocolate agar with bacto-supplement-A as culture medium. Ibid., **43**: 409–19.—**Trowbridge, M.,** jr, **& McConkey, R. M.** Value and shortcomings of the cultural method in the diagnosis of gonorrhoea, with special reference to the use of the Peizer medium. War Med., Chic., 1944, **5**: 36–42.

—— Treatment.

United States. War Department. Technical bulletin TB MED 196: Management of gonorrhea. 3p. 26cm. Wash., 1945.

Blount, R. E. Suggestions for the management of gonorrhea. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 3, 15–7.—**Fein, H. S., & Hymes, J. J.** The management of gonorrhea. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 15–9.—**Ill, H. M.** Treatment of gonococcus infection. Mil. Surgeon, 1945, **96**: 78–80.—**Jones, T. R. L.** Treatment of gonorrhoea, balanitis, and acquired phimosis. Brit. M. J., 1942, **1**: 664.—

Justesen, A. Gonorébehandling ombord i skip. Tskr. Norske laegeforen., 1947, **67**: 230.—**Management** of gonorrhea. War Dep. Techn. Bull., 1945, No. 196, 1–3. Also Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 6, 15–8.—**Negreanu, A.** Tratamentul actual al blenoragiei la bărbaţi. Rev. san. mil., Bucur., 1936, **35**: 788–96.—**Parsons, R. P.** Gonorrhea, 1941. U. S. Nav. M. Bull., 1941, **39**: 74–80.—**Proppe.** Treatment of acute gonorrhea. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 111.—**Teodorescu, A. I.** Consideraţiuni asupra metodei Basset-Poincloux aplicată mai ales in complicatiunile uretritei gonococice. Rev. san. mil., Bucur., 1936, **35**: 307–11.—**Treatment** of gonorrhea. War Dep. Techn. Bull., 1944, No. 96, 1–3.

—— Treatment: Antibiotics.

Broh-Kahn, R. H. The treatment of gonorrheal urethritis with oral penicillin. 9p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 404, U. S. Air Force School Aviat. M.

United States. War Department. Technical bulletin TB MED 16: Penicillin treatment of resistant gonorrhea. 1p. 26cm. Wash., 1944.

Atcheson, D. W. A new source of penicillin in the treatment of chronic gonorrhea. Mil. Surgeon, 1944, **95**: 58–62.—**Cochrane, G. C.** Penicillin treatment of acute gonorrhoea and its complications, and early syphilis (in Africans) as practised in the East Africa Command. East Afr. M. J., 1946, **23**: 285.—**Daily, R. L., Weynert, J. B., & Saltzman, J.** Treatment of 500 cases of sulfonamide-resistant gonorrhea with penicillin. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 5, 21.—**Duemling, W. W., & Horton, S. H.,** jr. The determination and treatment of penicillin-resistant gonorrheal urethritis; report of 24 cases. U. S. Nav. M. Bull., 1947, **47**: 605–16.—**Eames, J. W., & McClay, A. O.** The treatment of acute uncomplicated gonorrhoea in the male by means of a single intramuscular injection of oily penicillin B. P. J. R. Army M. Corps, 1948, **90**: 65–71.—**Gutiérrez Mendiola, R.** Penicilina retardada en gonococias. Med. & cir. guerra, 1948, **10**: 371–4.—**Hume, E. B., & Silvey, M. M.** The treatment of gonorrhea not responding to initial course of penicillin. Med. Bull. Medit. Theater U. S., 1945, **3**: 267–9.—**Kristal, J. J.** Penicillin sodium in treatment of sulfonamide-resistant gonorrhea in a station hospital. War Med., Chic., 1945, **8**: 34.—**Lawler, A. L.** Penicillin in the treatment of gonococcus infection urethra; report of 300 cases. U. S. Nav. M. Bull., 1947, **47**: 796–800.—**Lebovič, A.** Další zkušenosti s léčením kapavky penicillinem. Voj. zdrav. listy, 1948, **17**: 59.—**Lestrade, de.** Essai de traitement de blennorragies aiguës par pénicilline-retard. Bull. Soc. méd. mil. fr., 1947, **41**: 169–72.—**Long, J. H.** Treatment of acute gonorrhea with penicillin; results in 100 cases. Bull. U. S. Army M. Dep., 1945, No. 86, 95–100.—**Marin, Vukas & Radivojevitch.** Emploi des sulfamides et de la pénicilline dans la blennorragie. Rev. Corps san. mil., 1946, **2**: 154.—**Menville, J. G., & Ross, C. W.** Penicillin in sulfonamide-resistant gonorrhea; preliminary report of 124 cases. U. S. Nav. M. Bull., 1944, **43**: 423–8. ——— Penicillin in sulfonamide-resistant gonorrhea; supplementary report of 144 cases. Ibid., 997–1000.—**Millington, J. T.** Penicillin and gonorrhea; an informal study. Med. Bull. Medit. Theater U. S., 1945, **3**: 266.—**Miqueu, A. P., Bruel, R., & Gandin, J.** Pénicillothérapie locale et sulfamidothérapie associée à petites doses dans le traitement de la blenorragie aiguë. Bull. Soc. méd. mil. fr., 1946, **40**: 265–8.—**Murphy, R. J.** Experimental use of penicillin in treatment of sulfonamide-resistant gonorrhea. Bull. U. S. Army M. Dep., 1944, No. 79, 101–5.—**Olivier & Bastien.** Pénicilline, thiazomide et blennorragie. Bull. Soc. méd. mil. fr., 1949, **43**: 133.—**Pagès, F., & Mansour, M.** Traitement ambulatoire de la blennorragie par la pénicilline subtosan et la pénicilline G-retard. Ibid., 1947, **41**: 195–8.—**Penicillin** for gonorrhoea. Bull. Army M. Dep., Lond., 1945, No. 48, 1–3.—**Penicillin** therapy in gonorrhea. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 21, 29.—**Pistilli, G., & Tosti, A.** Associazione di piccole dosi di penicillina e streptomicina nell'uretrite gonococcica. Gior. med. mil., 1949, **96**: 294–6.—**Possible** masking of early syphilis by penicillin therapy for gonorrhea. Air Surgeon Bull., 1944, **1**: No. 10, 5.—**Preliminary** report on penicillin therapy of gonorrhea; China, Burma, India. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 130.—**Riba, L. W., Schmidlapp, C. J., & Bosworth, N. L.** Use of penicillin for gonorrhea resistant to sulfonamide compounds; report of 450 cases. War Med., Chic., 1944, **6**: 72–9.—**Ricchiuti, J. F., & Brett, W. B.** Treatment of gonorrhea with penicillin in a Naval dispensary. U. S. Nav. M. Bull., 1945, **45**: 520–3.—**Romansky, M. J., & Rittman, G. E.** Penicillin; prolonged action in beeswax-peanut oil mixture; single injection treatment of gonorrhea. Bull. U. S. Army M. Dep., 1944, No. 81, 43–9.—**Schwartz, W. H., & Edge, C. O.** Results of penicillin treatment of sulfonamide-resistant gonorrhea; summary of 4,439 cases treated in United States Naval hospitals, July 1943–March 1944. U. S. Nav. M. Bull., 1944, **43**: 193–5.—**Tosti, A.** La penicillina oleosa a piccole dosi nella cura della infezione gonococcica. Gior. med. mil., 1949, **96**: 397–401.—**Treatment** of gonorrhoea with penicillin and with sulfa drugs. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 289–92.

—— Treatment: Chemotherapy.

Boldt, A., & Zübert, J. Ueber Scheinheilungen, Rezidive und den Wert der Provokation bei der Chemotherapie der männlichen Gonorrhöe. Deut. Militärarzt, 1942, **7**: 647–52.—**Boslow, H. M.** Treatment of gonorrhea with sulfathiazole. Mil. Surgeon, 1941, **88**: 659.—**Bruner, R. E.** Sulfapyridine in gonorrhea. U. S. Nav. M. Bull., 1941, **39**: 376–82.—**Cady & Ferrier.** Résultats actuels de la chimiothérapie dans le traitement de la blennorragie sulfamido-résistante. Bull. Soc. méd. mil. fr., 1945, **39**: 314–6.—**Conti, M. E.** Therapy of gonorrhea by the use of sulfanilamide and its allied compounds; a review of the literature and a report of 150 consecutive cases treated at the Norfolk Naval Hospital. U. S. Nav. M. Bull., 1942, **40**: 94–106.—**Dahmann, P., & Dickgiesser, F.** Schnellbehandlung der Gonorrhöe und ein bewährtes Go-Kulturverfahren. Deut. Militärarzt, 1942, **7**: 330.—**Felke.** Chemoresistente Gonorrhoeen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 65. ——— Chemoresistance in gonorrhea and other bacterial diseases. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 108–10.—**Gorenberg, H., & Shulman, P.** Sulfonamide therapy in gonorrhea; results in 210 cases. U. S. Nav. M. Bull., 1945, **44**: 596–8.—**Griswold, W. R.** A comparative study of results of sulfonamides in treatment of gonorrhea. Ibid., 1943, **41**: 196.—**Hachez, E., & Rosendahl.** Vergleichende Chemotherapie bei der Gonorrhöebehandlung. Deut. Militärarzt, 1943, **8**: 50–3.—**Hand, E. A.** The treatment of chronic gonorrhea with combined sulfathiazole and intravenous typhoid vaccine. U. S. Nav. M. Bull., 1943, **41**: 1365–9.—**Heyn, W.** Die chemotherapeutische Behandlung des männlichen Harnröhrentrippers, Erfahrungen an einem grösseren Krankengut. Deut. Militärarzt, 1942, **7**: 322–30. Also Bull. War M., Lond., 1942–43, **3**: 340 (Abstr.)—**Junghanns, E.** Ueber Olobintin (40%) zur Sensibilisierung sulfonamidresistenter Fälle von Gonorrhöe des Mannes vor der Behandlung mit einem anderen Sulfonamidpräparat. Deut. Militärarzt, 1943, **8**: 108.—**King, A. J., & Williams, D. I.** Intensive treatment of gonorrhoea and non-specific urethritis with sulphapyridine. J. R. Army M. Corps, 1941, **77**: 72–86.—**Kruspe, M.** Die Behandlung der Gonorrhoe unter Feldverhältnissen mit Eubasin und Dagénan. Deut. Militärarzt, 1941, **6**: 295.—**Lowry, E. C., & Hewit, L. W.** The treatment of sulfonamide resistant gonorrhea, preliminary report. Mil. Surgeon, 1943, **93**: 449–53.—**Metcalfe, E. E.** Sulfathiazole treatment of gonococcal infection of ambulatory cases aboard ship; supplementary report. U. S. Nav. M. Bull., 1941, **39**: 382–6.—**Moore, F. R.** Evaluation of the use of sulfonamides in the treatment of gonorrhea. Ibid., 386–91.—**Morschhäuser, B.** Fortschritte der chemotherapeutischen Behandlung der Gonorrhöe unter besonderer Berücksichtigung des Eleudron. Deut. Militärarzt, 1942, **7**: 318–22. Also Bull. War. M., Lond., 1942–43, **3**: 341 (Abstr.)—**Narbel, F.** Contribution à l'étude du traitement chimiothérapique de la blennorragie; résultats obtenus chez 374 patients militaires. Vjschr. schweiz. Sanitätsoff., 1941, **18**: 59–79.—**Norsworthy, R.** The treatment of gonorrhoea by M & B 693 in Hong Kong. J. R. Nav. M. Serv., 1941, **27**: 52–63.—**Officer, J. M.** Treatment of gonorrhoea with M & B 693. J. R. Army M. Corps, 1941, **76**: 163–6.—**Pappas, J. P.** Sulfapyridine 8–7–7–6 treatment of acute gonorrheal urethritis in the male; a report on 68 cases followed for 8 months. Mil. Surgeon, 1942, **90**: 45–57. ——— Sulfathiazole single-massive-dose therapy of acute gonorrheal urethritis in the male. Ibid., 662–7. ——— Sulfadiazine in the treatment of gonorrhea. Ibid., **91**: 681–4.—**Pardoll, D. H., & Dennis, R. L.** Chemotherapy, pyrotherapy and penicillin in the treatment of gonorrhea. U. S. Nav. M. Bull., 1944, **43**: 988–96.—**Parkinson, E. H.** Sulphapyridine-fast gonococci. J. R. Nav. M. Serv., 1942, **28**: 393.—**Parsons, R. P.** An estimate of sulfadiazine in the treatment of gonorrhea. U. S. Nav. M. Bull., 1942, **40**: 13–9.—**Priest, W. H. D.** Treatment of acute gonorrhoea by a mass unit (10 grams) dosage of sulphapyridine. J. R. Army M. Corps, 1943, **81**: 139–41.—**Quattrini, M.** 24 Ore di cura per le uretriti gonococciche con la sulfamide metiltiazolica; gravi alterazioni morfologiche del gonococco. Gior. med. mil., 1941, **89**: 721–43.—**Reque, P. G., & Bergsma, D.** Sulfathiazole for the prevention of gonorrhea. Bull. U. S. Army M. Dep., 1944, No. 78, 97–102.—**Robert, H.** Schlussbemerkung zu den Ausführungen von Doctor Stiller. Deut. Militärarzt, 1940, **5**: 347.—**Rose, D. L., Kendell, H. W., & Simpson, W. M.** Refractory gonococcic infections; elimination by combined artificial fever and chemotherapy as related to military medicine. War Med., Chic., 1941, **1**: 470–8.—**Schlockermann.** Sulfonamide resistance in gonorrhea. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 112.—**Stiller, K.** Zur Sofortbehandlung der Gonorrhöe mit Albucid. Deut. Militärarzt, 1940, **5**: 346.—**Sulfathiazole** prophylaxis for gonorrhea. In: Prev. Med. in World War II, Wash., 1948, **6**: 57–60.—**Volavsek, W.** Klinische Erfahrungen mit der Chemotherapie des Trippers. Wien. med. Wschr., 1943, **93**: 533.—**Wagner, D.** Die Dagénanbehandlung der Gonorrhöe mit besonderer Berücksichtigung der Versagerursachen. Deut. Militärarzt, 1942, **7**: 396.—**Wawersig, R.** Wesentlich verbesserte Behandlungsergebnisse bei der Gonorrhöe durch Kombination von Sulfonamiden mit 40%igem Olobintin Ibid., 1944, **9**: 58–60. ——— Some remarks on the chemoresistance of gonorrhea. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 113–6.—**Weckstein, A. M., & Rasmussen, S. H.** A bacteriologic study of the resistance of organisms isolated from cases of non-specific urethritis to

three chemotherapeutic agents. Mil. Surgeon, 1946, **99:** 312–6.—**Weinert, T. F., & Scala, C. J.** Evaluation of sulfathiazole in the treatment of gonorrhea. U. S. Nav. M. Bull., 1944, **42:** 489–91.—**Zide, H. A., & Davis, I.** Chemotherapy of gonorrheal urethritis in the male with sulfanilamide, sulfapyridine and sulfathiazole. War Med., Chic., 1942, **2:** 445–9.

—— Treatment: Methods.

Amouroux. Résultats de traitements de la blennorrhagie aiguë à bord des petits bâtiments. Rev. méd. nav., Par., 1947, **2:** 269–77.—**Atcheson, D. W.** Duty status treatment of acute gonorrhea. Mil. Surgeon, 1945, **96:** 159–63.—**Beneventi, F. A.** Early use of sounds for gonorrheal urethritis. U. S. Nav. M. Bull., 1944, **43:** 967–9.—**Bosco, I.** Il contenuto citologico del secreto uretrale blenorragico durante l'infezione e sotto l'influenza della terapia sulfamidica e penicillinica. Ann. med. nav., Roma, 1949, **54:** 417–46.—**Camp, T.** Single injection therapy for gonorrhea. U. S. Nav. M. Bull., 1947, **47:** 451.—**Campbell, G., & Carpenter, G. R.** The treatment of acute gonorrhea in the Army. Ind. J. Vener. Dis., 1945, **11:** 8–12. Also Med. Surg. Suggestions, Madras, 1945, **14:** 49–53.—**Cronin, E.** The hyper-pyrexial treatment of gonorrhoea by continuous intravenous T. A. B. vaccine. J. R. Army M. Corps, 1944, **82:** 263–8.—**Gueli, F.** La cura ambulatoria della blenorragia nelle collettività militari. Riv. med. aeronaut., 1943, **6:** 170–6.—**Harrison, J. H., Botsford, T. W., & Trichel, B. E.** Experiences and progress in the treatment of gonorrhea in an Army general hospital overseas: 1942–1944. Mil. Surgeon, 1945, **96:** 416–9.—**Kolopp, P.** Résultats du traitement de la blenorragie à l'Hôpital militaire régional de la 21e région et à l'Hôpital civil (Sainte Blandine) de Metz. Ann. derm. syph., Par., 1946, **6:** 803–5.—**McDonald, R. M.** Fever therapy; a review of 150 cases of sulfonamide resistant gonorrhoea. J. Canad. M. Serv., 1943–44, **1:** 549–54.—**Moncorps, C.** Versäumnisse und Fehler bei der Gonorrhöebehandlung des Mannes in der Allgemeinpraxis. Deut. Militärarzt, 1940, **5:** 508 (Abstr.)—**Odstrčil, J.** O provokační schopnosti jodových par a jich použití jako měřítka pro vyhojení chronické latentní kapavky při demobilisaci. Cas. lék. česk., 1918, **57:** 355; passim.—**Pappas, J. P.** A recommendation for the use of a consolidated graphic progress chart toward the more efficient management of gonorrhea in the male. Mil. Surgeon, 1941, **89:** 664–8.—**Perisho, G. M.** Fever therapy in chemoresistant gonococcus infections; an analysis of 150 consecutive cases. U. S. Nav. M. Bull., 1944, **42:** 971–6.—**Phillips, K., & Mundorff, A. B.** War time management of gonorrheal urethritis by chemo-fever therapy; analysis of 1,649 cases at a United States Naval hospital. Urol. Cut. Rev., 1943, **47:** 374–8.—**Ruberti Fiera, D. E.** Quattro anni di terapia endovenosa. Ann. med. nav., Roma, 1928, **34:** pt 2, 339–51.—**Shuttleworth, V. S.** Diagnosis and treatment of resistant gonorrhoea. J. R. Nav. M. Serv., 1945, **31:** 25–9.—**Stam, A. C. M.** Tweede mededeeling over gonorrhoe-behandeling in het Militair Hospitaal te Utrecht. Ned. tschr. geneesk., 1947, **91:** 1443–5.—**Steenbergen, E. P. van.** Eerste resultaten van gonorrhoebehandeling in het Militair Hospitaal te Utrecht. Ned. tschr. geneesk., 1946, **90:** 1755. Also German transl., Dermatologica, Basel, 1946, **93:** 307.—**Therapeutic** trials; gonorrhoea. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 4, 31–6.—**Verdier, C. E.** [Gonorrhea; treatment with hydrochloric acid] Deut. Militärarzt, 1940, **5:** 508 (Abstr.)

—— Treatment: Vaccine.

Stern, S. Manufacture of anti-gonococcus vaccine by Nitto Vaccine Sera Laboratory, Mukomachi, Kyoto Prefecture. Med. Techn. Intellig. Field Rep., 1946, No. 2, 1–9.—**Wiedmann, A.** Die Vakzinetherapie der Gonorrhöe des Mannes. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 116–26.

GOTHIC line.

See under **World War II.**

GOVERNMENT.

See also **Occupied area.**

Germany. Office of Military Government for Germany. U. S. Zone. Monthly report of the Military Governor [n. p.] No. 25–50, 1947–49.

—— [The same] Statistical annex [n. p.] No. 11–29, 1948–49.

—— Public welfare; bimonthly review. No. 23. 13p. 33cm. [n. p.] 1947.

Japan. Supreme Commander for the Allied Powers. Summation of non-military activities in Japan [n. p.] No. 11, 1945–

Ryukyu Islands. United States Army Military Government. Summation of activities [bi-monthly] No. 1–12. 12v. 33½cm. [n. p.] 1946–48.

United States. Army. Office of the Provost Marshal General. Military Government Division. Civil affairs handbook on France. Section 13: Public health and sanitation. Preliminary draft. 40p. 26½cm. Wash., 1943.

—— Civil affairs handbook on Greece. Section 13: Public health and sanitation. Preliminary draft. 61p. 26cm. Wash., 1943.

Duties and functions of military government veterinary officers. Pub. Health Welf. Techn. Bull., Tokyo, 1947, Vet. I, 1–11.—**Duties** and functions of welfare officers, military government. Ibid., Wel. 6, 1–7.—**Simmons, J. S., Turner, T. B., & Hiscock, I. V.** Health programs under military government. Am. J. Pub. Health, 1945, **35:** 35–41.

GRADENIGO syndrome.

See under **Ear,** Disease.

GRADIENT pressure suit.

See under **Gravitation,** Protection.

GRAFTING.

See under **Surgical technic.**

GRANULOMA malignum.

See also **Hematology; Reticuloendothelial system.**

Boucher, H., Ferrand, M. [et al.] A propos des formes anormales de la maladie de Hodgkin; trois observations dont une forme aiguë pleurale. Bull. Soc. méd. mil. fr., 1949, **43:** 105.—**Connelly, J. R., Smith, J. T., & Straughan, J. M.** Hodgkin's disease. U. S. Nav. M. Bull., 1948, **48:** 180–9.—**Galletto, G.** Su 3 casi di linfogranuloma; considerazioni anatomo-patologiche e cliniche. Gior. med. mil., 1941, **89:** 49–70.—**Hodgkin's** disease. Statist. Navy M., 1949, **5:** No. 3, 6–11.—**McCoy, J. J.,** jr. Hodgkin's disease involving the epicardium; report of a case. U. S. Nav. M. Bull., 1948, **48:** 272–5.—**Weiser, M.** Lymphogranulomatose und Wehrdienstbeschädigung. Deut. Militärarzt, 1943, **8:** 641–5.

GRANULOMA venereum.

See under **Venereal disease.**

GRAVITATION.

See also **Acceleration; Centrifugal force.**

Randall, F. E. The center of gravity of the seated fighter pilot. 6 l. 27cm. Dayton, 1944.

Forms No. TSEAL–3–695–32HH, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Silvette, H., & Britton, S. W. A slide rule for the determination of g. J. Aviat. M., 1948, **19:** 296.

—— Effect.

Britton, S. W., & Corey, E. L. Centrifugal and gravitational effects on animals and their alleviation [7] l. 28cm. Wash., 1942.

Forms No. 40, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— & Stewart, G. A. Gravitational effects on animals and their alleviation. 20p. 28cm. Wash., 1942.

Forms No. 41, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— Physiological studies on high gravitational forces. 5p. 28cm. Wash., 1942.

Forms No. 56, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Acceleration (G-forces) research equipment, studies, results and training. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 219, 1–15.—**Beckman, E. L.** Protection afforded the cerebrovascular system by the cerebrospinal fluid under the stress of negative G. J. Aviat. M., 1949, **20:** 430–8.—**Hallenbeck, G. A., Wood, E. H.** [et al.] Comparison of effects of positive G on subjects studied at both the Mayo and Air Technical Service Command centrifuges. Fed. Proc., Balt., 1946, **5:** No. 1, pt 2, 40.—**Rushmer, R. F.** The effect of positive radial acceleration on the intrarectal pressure. J. Aviat. M., 1947, **18:** 96–101.—**Some** aspects of G and acceleration. Air M. News Lett., Lond., 1945, No. 2, 2–5.

—— Protection.

See also **Acceleration,** Protection; **Clothing,** Air Force.

Clark, W. G., Henry, J. P., & Drury, D. R. Determination of the most satisfactory single constant pressure with which to inflate the

standard Gradient Pressure Suit. 12p. 28cm. Wash., 1944.
Forms No. 366, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Davenport, H. W. Environmental temperature and the cardiovascular effects of inflating a pneumatic suit (GPS) 2p. 28cm. Wash., 1944.
Forms No. 362, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Hallenbeck, G. A. JP–2 Pressure Regulating Valve for anti-G suits in jet propelled aircraft. 14 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–696–78F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Henry, J. P. Use of the Anti-G Suit to aid in the relief of fighter pilot discomfort. 5p. 27cm. Dayton, 1947.
Forms No. TSEAA–689–2A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Clark, W. G. [et al.] Determination of the effect of time of inflation on the G protection gained from the Clark G–4 suit. 14p. 28cm. Wash., 1944.
Forms No. 398, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

MacKenzie, C. G. Slowing of the heart by inflation of the G-suit at 1 G. 10 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–696–75A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Martin, E. E., Henry, J. P. [et al.] Evaluation of the anti-G suit. 18p. 27cm. Dayton, 1948.
Forms No. MCREXD–689–2C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Stewart, W. K. Final report on effect of abdominal compression on ability to withstand G. 5 l. 23½cm. Lond., 1941.
Forms F. P. R. C. 300, Gr. Britain Flying Pers. Res. Com.

Wood, E. H., Code, C. F., & Baldes, E. J. The protection afforded the human by hydrostatic as compared to pneumatic anti G devices. 15p. 28cm. Wash., 1943.
Forms No. 207, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Wood, E. H., Lambert, E. H. [et al.] Factors involved in the protection afforded by pneumatic anti-blackout suits. 22p. 28cm. Wash., 1944.
Forms No. 351, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Anti-G suit development. Air M. News Lett., Lond., 1945, No. 2, 6–8.—**Bergin, K. G.** Prevention of effects of G. In his Aviat. Med. Bristol, 1949, 120–8.

—— Tolerance.

See also **Acceleration,** Tolerance.

Clark, W. G., & Jorgenson, H. Effect of ingestion of fluid and food on G tolerance. 9p. 28cm. Wash., 1945.
Forms No. 490, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Greeley, P. O., Jorgenson, H. [et al.] Effect of anoxia on G tolerance. 3p. 28cm. Wash., 1945.
Forms No. 480, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Hallenbeck, G. A. The effect of repeated short exposures and of prolonged exposures to increased G on human subjects. 14 l. 27cm. Dayton, 1944.
Forms No. ENG–49–696–56, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Maaske, C. A. The hourly variation of human G tolerance and the effect of benzedrine medication. 8 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–696–4F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Maher, P. J. Human tolerance to negative G in aircraft. 3p. 27cm. Dayton, 1948.
Forms No. MCREXD–695–69B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Maison, G. L., Maaske, C. A., & Martin, E. E. Description of the Materiel Command human centrifuge, techniques employed therewith and results of studies on normal G tolerance of human subjects. 20 l. 27cm. Dayton, 1943.
Forms No. ENG–49–696–4D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

GREAT Britain.

For material on this country see in Military Section the following subjects: **Aeromedicine; Air Force Medical Service; Civilian defense; Dental care; Dental Corps; Dental service; Dentistry; Emergency Medical Service; Food rationing; Hospital report; Medical care; Medical Corps; Medical Department; Medical examination; Medical officer; Medical organization; Medical policy; Medical service; Military medicine; Military surgeon; Militia; Morbidity; Navy; Navy Medical Corps; Navy Medical Service; Neuropsychiatric examination; Neuropsychiatry; Nurse Corps; Nursing service; Nutrition service; Orthopedics; Pharmaceutical service; Pharmacist; Pharmacy; Physician; Prisoner of war; Psychiatry; Ration; Recruiting; Rehabilitation; Reserve officer; Sanitation; Surgery; Tuberculosis; Venereal disease; Veterinary Corps; Veterinary service; Wars and campaigns; World War I; World War II.**

GREECE.

For references to this country see under **Morbidity; Venereal disease; Wars and campaigns; World War I; World War II.**

GREENLAND.

See under **World War II.**

GRENADE.

See under **Injury**—by weapons: Grenade.

GROUP psychology.

See under **Psychological warfare.**

GUADALCANAL.

See under **World War II.**

GUAM.

See under **World War II.**

GUANTANAMO Bay.

See under **World War II.**

GUATEMALA.

See under **Hospital report.**

GUERILLA.

See also **Dental service,** Air service.

Anderson, N. J. Guerrilla warfare. Mil. Rev., Fort Leavenw., 1942, 22: No. 84, 42–5.—**Parker, G.** The function and functioning of a surgeon in guerilla warfare. J. R. Army M. Corps, 1946, 87: 101–9. Also Spanish transl., Rev. mil., La Paz, 1948, No. 125, 70–7.—**S., M. S.** The doctor with the guerrillas. Pharm. Advance, 1947, No. 173, 18.

GUIANA (Dutch)

See under **World War II,** Surinam.

GUIDED bomb [incl. missile]

See under **Bomb; Rocket.**

GUMS.

See **Gingiva.**

GUNFIRE.

See also **Injury**—by branches of service: Artillery.

Beach, W. V. Gun-fire deafness. Brit. M. J., 1940, **2**: 395.—**Collins, E. G.** Aural trauma caused by gunfire; report on a clinical investigation of 108 soldiers exposed to gunfire who, on some occasion, had complained of injury to their ears. J. Lar. Otol., Lond., 1948, **62**: 358–90.—**Cope, B. A., & Johnson, H. B.** Aural scotomas produced by gunfire; a study of audiometric curves of traumatic deafness. Arch. Otolar., Chic., 1947, **45**: 676–86.—**Cotton** in ears during gunfire. Hosp. Corps Q., 1943, **16**: No. 2, 79.—**Davis, E. D. D.** Deafness due to gun-fire. Med. Press, Lond., 1940, **204**: 332–4. Also in Mod. Treatm. Yearb. (Wakeley, C. P. G.) Lond., 1941, 243–7.—**Kiml, J.** Zahlušení po střelbě. Cas. lék. česk., 1949, **88**: 1222–6.—**Machle, W.** The effect of gun blast upon hearing. Tr. Am. Acad. Ophth. Otolar., 1944–45, **49**: 90–6.—**Murray, N. E., & Reid, G.** Temporary deafness due to gunfire. J. Lar. Otol., Lond., 1946, **61**: 92–130, 6 pl.—**Néstor Gómez, R.** Hipoacusias por sonidos; sordera de los artilleros. Rev. pub. nav., B. Air., 1949, **2**: 43–62.—**Passe, E. R. G.** Gun-fire deafness. Brit. M. J., 1940, **2**: 295.—**Reid, G.** Further observations on temporary deafness following exposure to gunfire. J. Lar. Otol., Lond., 1946, **61**: 609–33, pl.—**Suggit, S. C.** Deafness resulting from gunfire and explosions. Ibid., 1943, **58**: 313–26. ——— Gunnery and blast deafness. J. R. Nav. M. Serv., 1945, **31**: 151–5. ——— Gunfire deafness. Med. Press & Circ., Lond., 1946, **215**: 424–6.—**Thomas, L.** Some physical effects of gunfire. J. Ass. Mil. Dent. Surg. U. S., 1906, **19**: 56–64.

GUNNER.

See also **Gunnery.**

Brown, J. S. The S. A. M. Pedestal Sight Manipulation Test, Model B (CM824B) for the selection of B–29 gunners. 20p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 352, U. S. Air Force School Aviat. M.

Smith, M. H., jr. The S. A. M. Pedestal Sight Manipulation Test, Model B (CM824B) for the selection of B–29 gunners. 9p. 27cm. Randolph Field, 1946.

Forms Rep. No. 2, Proj. No. 352, U. S. Air Force School Aviat. M.

——— & Haire, M. The proficiency of untrained gunners during ten successive gun camera missions. 21p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 343, U. S. Air Force School Aviat. M.

——— The proficiency of graduate basic gunners during ten successive gun camera missions. 33p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 344, U. S. Air Force School Aviat. M.

Weitz, J., & Melton, A. W. The S. A. M. Pedestal Sight Manipulation Test (CM824A) for the selection of flexible gunners; apparatus and procedures [15]p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 338, U. S. Air Force School Aviat. M.

Pascal, G. R. The gunner. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 11, 21–8. ——— **Schrader, W. B., & Valentine, J. A.** The selection and training of gunnery officers. Ibid., 383–404.—**Stolurow, L. M., & Schrader, W. B.** The selection of gunners. Ibid., 61–98.—**Valentine, J. A.** The gunner's job. Ibid., 11–20.

GUNNERY.

See also **Gunfire**; also **Ear injury,** Blast injury.

Craig, D. R., & Ellson, D. G. A comparison of a two-handed and several one-handed control techniques in a tracking task [flexible gunnery test] 25p. 27cm. Dayton, 1948.

Forms No. MCREXD-694-2L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

——— A comparison of one-handed and two-handed tracking [flexible gunnery test] 29p. 27cm. Dayton, 1948.

Forms No. MCREXD-694-2M, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Haire, M., & Smith, M. H. The relationship between B–29 gunnery proficiency and certain proposed selection tests. 14p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 476, U. S. Air Force School Aviat. M.

Hobbs, N. Psychological research on flexible gunnery training. 508p. 23½cm. Wash., 1947.

Forms No. 11, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Melton, A. W. Flexible gunnery proficiency on the gun camera mission as effected by practice on the Sperry Spotlight Trainer (E–8, modified) and the Panoramic Gunnery Trainer, Mark II. 29p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 321, U. S. Air Force School Aviat. M.

Rowland, W. M. A model photo-electric machine gun for target ranges and indoctrination in night gunnery under conditions of extreme darkness. 13 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 2, Proj. No. 81, U. S. Air Force School Aviat. M.

Smith, M. H., jr, & Haire, M. The relationship between certain proposed selection tests and gunnery proficiency as measured by gun camera missions. Rep. No. 1–3. 3 Nos. 27cm. Randolph Field, 1945.

Forms Rep. No. 1–3, Proj. No. 342, U. S. Air Force School Aviat. M.

United States. Air Force. School of Aviation Medicine. Research report, project No. 81, report No. 1: A model photoelectric machine gun and target range for indoctrination in night gunnery under conditions of extreme darkness. 5 l. 27cm. Randolph Field, 1942.

United States. Armored Medical Research Laboratory. Project No. 21: First partial report on Project No. 21: Determination of the sources, magnitude and costs of gunnery errors. v. p. 28cm. Fort Knox, 1944.

——— Project No. 21: Second partial report on Project No. 21: Determination of the sources, magnitude and costs of gunnery errors. v. p. 28cm. Fort Knox, 1944.

Flexible gunnery. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 16, 209–19.—**Hobbs, N.** A brief history of the flexible gunnery program. Ibid., No. 11, 1–10. ——— The role of psychologists in flexible gunnery research. Ibid., 29–37. ——— Psychological research on flexible gunnery training; summary and critical evaluation. Ibid., 435–68. ——— **& Schrader, W. B.** The development and evaluation of training programs. Ibid., 289–336.—**Irion, A. L.** The nature of gunnery proficiency. Ibid., 39–59. ——— Attitudes and adjustment of flexible gunners. Ibid., 259–87.—**Stolurow, L. M.** The development of achievement tests. Ibid., 99–117.—**Valentine, J. A.** The development and use of phase checks. Ibid., 119–39.—**Vallance, T. R.** Contributions to the development of flexible gunnery equipment, theory, and technique. Ibid., 405–33.

GUNNERY instructor.

See also **Instructor.**

Hendricks, J. E. War deafness in gunnery instructors. Ann. Otol. Rhinol., 1946, **55**: 68–80.—**Stolurow, L. M., Irion, A. L., & Pascal, G. R.** The selection and training of gunnery instructors. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 11, 337–81.

GUNPOWDER.

Bogin, L., & Rozhkov, V. Porokhovye gazy. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 769–73.—**H., F. C., & B., E. W.** Ether intoxication in powder storage and handling rooms of naval vessels. Bumed News Lett., Wash., 1944, **3**: No. 12, 15.

GUNSHOT injury.

See **Injury**—by weapons; Gunshot; also such terms as **Eye injury,** gunshot; **Foreign body,** gunshot; **Fracture,** gunshot; **Heart injury,** Foreign body; **Surgical technic**; **Wound,** Mechanism.

GUNSIGHT.

See also **Gas mask,** Effect.

Armstrong, R. C. Night gunsights. 5p. 28cm. Wash., 1943.

Forms No. 122, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. School of Aviation Medicine. Research report, project No. 82, report No. 1: A study of methods of gun sighting at extremely low levels of illumination. 10 l. 27cm. Randolph Field, 1942.

GYM.

See also **Exerciser.**

Farrell, V. D. Construction and use of bed gymnasium. U. S. Nav. M. Bull., 1946, **46:** 1621–3.

GYMNASTICS.

See also **Physical training; Physical therapy.**

Goncharov, P. T. Gimnastićeskie kolca v lećebnoj gimnastike. Voen. med. J., Moskva, 1946, No. 6, 40–3.—**Herion.** Visite de l'Ecole Normale de Gymnastique et d'Escrime de l'Armée belge. Rapp. gén. Congr. internat. gymn. scol., 1910, 3. Congr., 174–81, 2 pl., tab.—**Johnson, R. H.** Military athletics at the University of Illinois. Res. Q. Am. Ass. Health, 1943, **14:** 378–90.—**Kiehling, R.** Erfahrungen mit gymnastischen Uebungen bei Kranken der Inneren Station eines Reservelazaretts. Deut. Militärarzt, 1940, **5:** 486.—**Menges, J.** Leibesübungen im Lazarett. Ibid., 540–3.—**Préparation** militaire, exercices d'application, jeux éducatifs, sports. Rapp. gén. Congr. internat. gymn. scol., 1910, 3. Congr., 182–234.—**Walthard.** Frühturnen. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 118–20.—**Zacepin, T. S.** [Gymnastics in water] Voen. san. delo, 1943, No. 7, 42–4.

GYNECOLOGY.

Assis Pacheco, M. V. Um ano na chefia do Gobinete de ginecologia da Policlínica militar. Rev. med. mil., Rio, 1947, **36:** 474–84.—**Edwards, W. B.** Gynecological problems in a Marine hospital. Mil. Surgeon, 1948, **103:** 357–9.—**Jordania, I. F.** Ginekologija voennogo vremeni. Voen. med. J., Moskva, 1946, No. 3, 16–21.—**Miller, J. R.** Obstetrics and gynecology and their relation to the war. Connecticut M. J., 1942, **6:** 951–5.—**Moore, J.** Gynaecology in the women's services. Mag. London School M. Women, 1946, 8: 37–41.—**Zhordania, I. F.** Ob učastii ginekologov v sanitarno-epidemiologićeskoj razvedke v dejstvujušćej Krasnoj Armii. Voen. med. J., Moskva, 1945, Apr., 17–21. ——— Ginekologićeskaja pomoshch. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1230–3.

GYNECOMASTY.

Clarkson, P. The Webster operation for gynaecomastia. J. R. Army M. Corps, 1949, **93:** 161–7.—**Costa, P. V. da.** Ginecomastia. Arq. brasil. med. nav., 1947, **8:** 1265–70.

HABITUS.

See under **Fitness,** Constitution.

HAMILTON chair.

See also **Wounded,** Transportation.

Thompson, T. O. Hamilton chairs. J. R. Army M. Corps, 1938, **70:** 402–5.

HAMMOCK.

History of the hammock. U. S. Nav. M. Bull., 1942, **40:** 194.

HAND.

See also **Surgical technic,** Hand.

Bingel, A. G. A., & Maier-Leibnitz, H. Investigations of handwriting-forces; the development of the technique. 9p. 26cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 21–02–070, U. S. Air Force School Aviat. M.

Spealman, C. R. Effect of ambient air temperature and of hand temperature on blood flow through the hand. 10p. 26½cm. Bethesda, 1945.

Forms Rep. No. 5, Proj. X–297, U. S. Nav. M. Res. Inst.

Barker, D. E. Multiple exposures in hand photography. Bull. U. S. Army M. Dep., 1946, **5:** 478.—**Effect** of ambient air temperature and of hand temperature on blood flow through the hand. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 19.

—— artificial.

[California] University of California. University at Los Angeles. Department of Engineering. Studies to determine the functional requirements for hand and arm prosthesis; the final report covering work during the year 1946–1947. 33 l. 28cm. Los Ang., 1947.

Forms Subcontract 17 [pt 13] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

International Business Machines Corporation. Subcontractor's final report on research and development of arms and hands operated by electrical, hydraulic and pneumatic methods; development of nylon hands; arm and hand motion studies; covering the period from June 1945 through June 1947. 2v [487] l. 28cm. Endicott, 1947.

Forms Subcontract 11 [pt 6] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Kingsley, P. L., & Towle, H. J., jr. Description of a prosthetic hand appliance. 18p. 27cm. Bethesda, 1948.

Forms Rep. No. 1, Proj. NM 009 003, U. S. Nav. M. Res. Inst.

Pittsburgh, U. S. A. University. Mellon Institute of Industrial Research. Subcontractor's final report on an investigation of plastic materials on coverings for artificial hands; covering the period from October, 1946, through June, 1947. 72 l. 28cm. Pittsb., 1947.

Forms a part [pt 7] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Sierra Engineering Company. Subcontractor's final report on a review of prosthetic devices, their design and manufacture, particularly hands, force multiplier, sense of touch mechanism, and arms; covering the period from July 15, 1946 to June 30, 1947 [105] l. 28cm. Sierra Madre, 1947.

Forms Subcontract 17 [pt 11] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Vard. Subcontractor's final report on the development of artificial arms for amputees who have had the cineplastic operation; covering the period from July 15, 1946 through February 28, 1947. 106 l. 28cm. Pasadena, 1947.

Forms Subcontract No. 1 (2. Tier 1) [pt 15] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Description of a prosthetic hand appliance. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 16.—**Hands.** Res. Program U. S. Army M. Res. Bd, 1946, Oct., 160.—**Improved** artificial hand. Bull. U. S. Army M. Dep., 1947, **7:** 338–40.—**Shallenberger, W. H.** A discussion of force and energy available at the finger tips of a hypothetical artificial hand operated by cineplastic muscle motors. In: Prime Contract U. S. Veterans Admin., Sierra Madre, 1946–47, VAm 21223, No. 17, App., 2–8.—**Wagner, E. M.** Notes and analysis of a cineplastic hand design discussion at Northrop Aircraft Prosthetic Development Laboratory, May 16, 1947. Ibid., App., 9–19. ——— Notes on quick disconnect standardization. Ibid., App., 22–4.

—— Disease.

See also **Cold injury; Frostbite; Hand injury; Paralysis.**

Acute infections of the hand. Bull. U. S. Army M. Dep., 1945, **4:** 100–4.—**Ayre, W. B.** Dupuytren's contracture; a report of 64 cases among the Veterans Guard of Canada. J. Canad. M. Serv., 1945–46, **3:** 57–61.—**Finamore, V.** Su un caso di morbo di Dupuytren giovanile. Ann. med. nav., Roma, 1947, **52:** 97–102.—**Goetz, A. G., & Fatherree, T. J.** Madelung's deformity; case report. U. S. Nav. M. Bull., 1945, **44:** 148–51.—**Gray, G. A., & DeTarnowsky, G. O.** Dupuytren's contracture; report of two cases. U. S. Armed Forces M. J., 1950, **1:** 49–57.—**Griffiths, D. L., & Crawford, T.** Neuromata of palmar fascia simulating Dupuytren's contracture. J. R. Army M. Corps, 1945, **84:** 130.—**McMaster, P. E., & Levin, R. T.** Osteochondritis dissecans of carpal scaphoid; report of a case. U. S. Nav. M. Bull., 1945, **45:** 742–4.—**Requarth, W. H.** Diagnosis and treatment of localized infections in the hand.

Ibid., 1946, **46:** 1354–67.—**Schlack, H.** Zur Kenntnis der Dupuytrenschen Fingerkontraktur, zugleich ein Beitrag zur Wehrdienstbeschädigungsfrage. Münch. med. Wschr., 1942, **89:** 787–9.—**Van der Eecken.** Rapport sur la technique et les résultats obtenus par les interventions et soins postopératoires sur les phlegmons en général et particulièrement ceux de la main. Arch. Serv. san. Armée belge, 1946, **99:** 237.

HAND coordination test.

See **Aviator,** Fitness tests.

HANDICAPPED.

See **Disabled.**

HAND injury.

See also **Burns; Cold injury;** also subdivisions of **Fracture**—by site (Carpus; Forearm and hand) also **Surgical technic,** Hand.

Bruner, J. M. The treatment of war injuries of the hand in the U. S. Army. J. Iowa M. Soc., 1946, **36:** 509–11.—**Bunnell, S.** Observations on hand injuries. Bull. U. S. Army M. Dep., 1945, No. 86, 4. ——— Suggestions to improve the early treatment of hand injuries. Ibid., No. 88, 78–82.—**Burnt** hand again. Bull. Army M. Dep., Lond., 1943, No. 28, 7.—**Callewaert, H.** La rééducation de l'écriture chez les mutilés et amputés de la main droite. Arch. Serv. san. Armée belge, 1946, **99:** 71–7.—**Cutler, C. W.,** jr. Early management of wounds of the hand. Bull. U. S. Army M. Dep., 1945, No. 85, 92–8.—**Fisher, D., & Segal, J.** Injuries of the wrist. Mil. Surgeon, 1940, **86:** 134–42.—**Mouat, T. B.** Wounds of the hand. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 437–42. Also 2. ed., Balt., 1942, **2:** 717–22. ——— Infected wounds of the hand. Ibid., Edinb., 1940–41, 443–52. Also 2. ed., Balt., 1942, **2:** 723–33.—**Nikiforova, E. K.** [Gunshot wounds of hand and fingers] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 167–71.—**Pratt, D. R.** Suggestions on immobilization of the hand. Bull. U. S. Army M. Dep., 1945, No. 86, 105–8.—**Sanchis Olmos, V.** Consideraciones sobre el tratamiento de las heridas de guerra de la mano. Rev. san. guerra, 1937, **1:** 135–9.—**Uderman, S. I.** [War wounds of the hand and fingers] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 158–66.—**Usolceva, E. V.** Kratkij ocerk istorii lečenija ognestrelnykh povreždenij kisti i palcev. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1950, **18:** 13–9. ——— Klassifikacia povreždenij kisti i palcev. Ibid., 20–7, 2 pl. ——— Obšćie voprosy kliniki ognestrelnykh povreždenij kisti. Ibid., 56–68. ——— Obširnye povreždenija kisti i palcev. Ibid., 180–204, 4 pl. ——— Razrušenija kisti. Ibid., 205–16, 6 pl. ——— & **Vinokurov, D. A.** Statistika i kharakteristika ognestrelnykh povreždenij kisti i palcev. Ibid., 28–55, 13 pl. ——— Ograničennye povreždenija kisti. Ibid., 153–79, 6 pl.

HAND strength.

Age and hand strength. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 18.—**Standardization** of a test of hand strength. Ibid., Jan.–June, 18.

HAND washing.

Greenbaum, H. Field device for hand-washing. Mil. Surgeon, 1944, **94:** 374–6.—**Johnston, M. B.** A hand-washing device. Bull. U. S. Army M. Dep., 1944, No. 78, 43.—**Wiles, I. A.** Hand washing device for use in the field. Ibid., No. 75, 117.

HARNESS.

See also **Fracture**—by site: Spine; **Parachute.**

Bierman, H. R. Static loading tests of lap safety belts and shoulder harnesses (NAF 1201–1) 6p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

——— Test and evaluation of experimental harness under controlled crash conditions. 28p. 26½cm. Bethesda, 1947.

Forms Rep. No. 11, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

——— Wilder, R. M., jr, & Hellems, H. K. The principles of protection of the human body as applied in a restraining harness for aircraft pilots. 17p. 27cm. Bethesda, 1946.

Forms Rep. No. 6, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. T–8: Report on Project No. T–8, test of harness, man, M–1944, type 1, OQMG project No. 257–43. v. p. 28cm. Fort Knox, 1945.

Bierman, H. R., Wilder, R. M., jr, **& Hellems, H. K.** Protection of the human body; principles as applied in a restraining harness for aircraft pilots. J. Am. M. Ass., 1947, **133:** 522–6.—**Effect** of using safety harness. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1947, Dec. 1.—**Principles** (The) of protection of the human body as applied in a restraining harness for aircraft pilots. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 27.—**Versoy, I. R., & Loeffel, L. H.** Aviator's belt or the like. U. S. Patent Off., 1946, No. 2,397,709.

HAWAII.

See under **Venereal disease; World War II.**

HAY fever.

Bieberdorf, F. W., & Hampton, S. F. Hay fever exciting plants in the Southwest. Air Surgeon Bull., 1945, **2:** 259–61.—**Desensitizing** for hay fever. Bull. Army M. Dep., Lond., 1944, No. 40, 5.—**Kalisch, A. C., & Golz, H. H.** Hay fever. Med. Bull. Medit. Theater U. S., 1945, **3:** 205–8.—**Steen, W. B.** Treatment of hay fever and seasonal bronchial asthma (pollinosis) Air Surgeon Bull., 1945, **2:** 256–9.

HEADACHE.

See also **Aviator,** Headache.

Kunkle, E. C., Maher, P. J., jr [et al.] The human centrifuge in the study of pain perception and headache mechanisms. 8p. 27cm. Dayton, 1947.

Forms No. TSEAA–695–72A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Jones, H. L., jr. Headache; an etiologic approach; with special reference to the so-called vacuum headache. U. S. Nav. M. Bull., 1946, **46:** 507–19.—**Kompf, H.** [Headaches of nasal origin] Lek. wojsk., 1945, **36:** 151–5.—**Victor, J.,** jr. Headaches; tension type. U. S. Nav. M. Bull., 1944, **42:** 890.—**Wolff, H. G.** Headache mechanisms. Bull. U. S. Army M. Dep., 1948, **8:** 641–53.—**Woods, W. W., & Stutzman, J. W.** Tropical headache; preliminary report on diagnosis and treatment. U. S. Nav. M. Bull., 1946, **46:** 501–6.

HEAD injury.

See also **Ear injury; Epilepsy,** traumatic; **Eye injury; Facial nerve; Neurosis,** traumatic; **Neurosurgery; Surgical unit,** Head surgery; **Wound.**

British (The) Journal of Surgery. War surgery supplement No. 1: Wounds of the head. 268p. 26cm. Bristol, 1947.

Allison, R. S. A review of some medical aspects of head injury. J. R. Nav. M. Serv., 1944, **30:** 152–61.—**Ascroft, P. B.** A survey of fatal head wounds. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 178–82.—**Cairns, H.** Head injuries. J. R. Army M. Corps, 1941, **77:** 212.—**Carmody, J. T. B.** War wounds of the head. U. S. Nav. M. Bull., 1943, **41:** 1227–39.—**Craig, W. M.** War injuries of the head. Med. Ann. District of Columbia, 1942, **11:** 474–8. ——— Injuries to the head in time of war. Proc. Interst. Postgrad. M. Ass. N. America (1943) 1944, 60–4.—**Fetterman, J.** Factors in recovery from injuries to the head. War Med., Chic., 1944, **5:** 232–7.—**Garibaldi.** Ferita lacero-contusa alla testa. Gior. med. mil., 1851–52, **1:** 147.—**Gomoiu, V.** Einige Betrachtungen zu den Kopfverwundungen in der Kriegschirurgie. Wien. med. Wschr., 1943, **93:** 146 (Abstr.)—**Head** injuries. Med. J. Australia, 1943, **2:** 156. Also Accid. Bull. (U. S. A. Air Forces) 1945, Jan., 4–6.—**Head** wounds; special battle problems. What's New, North Chic., 1943, No. 75: 10–3.—**Howe, J. W.** Head injuries in total war. J. Am. Osteopath. Ass., 1942–43, **42:** 516–9.—**Jefferson, G.** War wounds of the head. In: War Wounds (Brit. M. J.) Lond., 1939, 147–66.—**Jiano, J.** Plaies de la carotide primitive, du nerf pneumogastrique, du nerf sympathique, du plexus cervical; contusion du plexus brachial; plaies de l'oesophage, ligature de la carotide, suture du pneumogastrique et de l'oesophage. Mém. Acad. chir., Par., 1947, **73:** 112–4.—**Kuprijanov, P. A.** Povreždenija golovy. In: Kratky kurs voen. polev. khir. (Kuprijanov, P. A., & Banaitis, S. I.) Moskva, 1942, 239–66, 5 pl.—**Lieber, H.** An analysis of head injuries at the Navy Yard, New York, with reference to prevention; January 1, 1941, to June 30, 1941. U. S. Nav. M. Bull., 1942, **40:** 473–6.—**Merritt, H. H.** Head injury; review of the literature. War Med., Chic., 1943, **4:** 61; 187.—**Money, R. A., & Nelson, T. Y.** Experiences with battle wounds of the head. Ann. Surg., 1943, **118:** 1–33.—**Open** wounds of the head in wartime. Med. J. Australia, 1943, **1:** Suppl., 57–60.—**Petrov, N. N.** Ranenija golovy. In his Lechen. ran. voine, 6. izd., Leningr., 1942, 247–60.—**Rowbotham, G. F.** Wounds of the head. Med. Press & Circ., Lond., 1943, **209:** 74–7.—**Siris J. H.** Injuries of the head; evaluation and management. U. S Nav. M. Bull., 1943, **41:** 670–80.

—— Brain injury.

See also **Neurosurgery.**

Azevedo Sodré, J. P. Ferimentos cranio-encefálicos. Impr. med., Rio, 1943, **10**: No. 354, 64–9.—**Babsky, A. A., Sosnovsky, A. G., & Samburg, A. M.** [Blessures du crâne et du cerveau] Khirurgia, Moskva, 1940, No. 4, 36–49.—**Birkmayer, W., & Huber, K.** Befunde über die Hitzekoagulation des Serums nach Hirnverletzungen. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 329–36.—**Burdenko, N. N., & Volkov, S. N.** [On dislocation of the brain; war traumas] Vopr. neirokhir., 1942, **6**: No. 5, 11–22.—**Calzada Hidalgo, A.** Algunas consideraciones sobre heridas de cráneo y cerebro. Rev. san. guerra, 1937, **1**: 204–7.—**Colmers, F. A.** War wounds of the skull and the brain. J. Internat. Coll. Surgeons, 1944, **7**: 116–28.—**Courville, C. B.** Some notes on the history of injury to the skull and brain. Bull., Los Angeles Neur. Soc., 1944, **9**: 1–16.—**Dmitriev, I. P.** [Prolapse of the brain in gunshot wounds of the skull in military operations] Tr. Kuban. gosud. med. inst. Armii, 1939, No. 7, 123–30.—**Dott, N. M.** Injuries of the brain and skull. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 259–87. ——— **Alexander, G. L., & Ascroft, P. B.** [The same] Ibid., 3. ed., Edinb., 1944, 717–59.—**Emdin, P. I.** [Open cranio-cerebral wounds] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 313–7.—**Fabing, H. D.** Cerebral blast syndrome in combat soldiers. Tr. Am. Neur. Ass., 1946, **71**: 29–33.—**Franz.** Ist die Lehre der hydrodynamischen Druckwirkung für die Erklärung der Geschosswirkungen im Gehirn wirklich überholt? Deut. Militärarzt, 1937, **2**: 145–9.—**Gurevich, M. O.** [War trauma of the brain by minute fragments] Nevropat. psikhiat., 1942, **11**: No. 5, 3–5.—**Haynes, W. G.** Penetrating brain wounds; analysis of 342 cases. J. Neurosurg., 1945, **2**: 365–78, 3 pl. ——— Extensive brain wounds; analysis of 159 cases occurring in a series of 342 penetrating war wounds of the brain. Ibid., 469–78.—**Hurst, A.** Cerebral and spinal concussion. In his Med. Dis. War, 2. ed., Lond., 1941, 111–22. Also 3. ed., Lond., 1943, 115–29.—**Injuries** to the head and brain. Hosp. Corps Q., 1943, **16**: No. 2, 77–9.—**Janssen, C.** Les plaies cranio-encéphaliques par projectiles de guerre. Tr. Ambul. Océan, La Panne, 1917, **1**: 105–64.—**Janzen, R.** Das Wesen der gedeckten Hirnverletzungen durch Geschosse. Nervenarzt, 1947, **18**: 475.—**Kammerer, T., Stricker, P., & Messerschmitt, J.** A propos de 48 cas de décès post-opératoires consécutifs à des blessures crânio-cérébrales par projectiles de guerre. J. chir., Par., 1945, **61**: 246–51.—**Kennedy, F.** Brain injury in war. Am. J. Surg., 1942, **56**: 343–5. Also War Med. Sympos., N. Y., 1942, 104–7.—**Korniansky, G. P.** [Craniocerebral gunshot wounds; data of the neurosurgical division of a forward evacuation hospital] Vopr. neirokhir., 1943, **7**: No. 2, 17–26.—**Kostić, S.** O ratnim povredama lobanje i mozga. Voj. san. pregl., Beogr., 1947, **4**: 219–24.—**Lluesma Uranga, E.** Observaciones y experiencias clínicas en las heridas de guerra del cerebro y del cráneo. Rev. san. guerra, 1937, **1**: 97–108, 8 pl.—**McCormick, C. P.** Gunshot wound of the brain. J. Canad. M. Serv., 1943–44, **1**: 254.—**Mnukhina, G. M.** Smertnost posle čerepno-mozgovykh ranenij v vojskovom rajone po materialam PAL. Vopr. neirokhir., 1946, **10**: 50–2.—**Müller, H. R.** Katamnestische Erhebung an Hirnverletzten bis Kriegsende. Nervenarzt, 1947, **18**: 474.—**Ovcharenko, P. P.** [Clinical aspects, diagnosis and treatment of contusions and concussions of the brain] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 423–6.—**Peters, G.** Die Gehirnveränderungen bei stumpfer Gewalteinwirkung von vorn (auf die Stirn) Luftfahrtmedizin, 1942–43, **7**: 344–79.—**Pinto Pupo, P.** Traumatismos crânio-encefálicos; síndromos imediatos, tardios e sequelas. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 197–218, 3 pl.—**Prokhorova, M. I.** K voprosu o soderžanii pirovinogradnoj kisloty v spinnomozgovoj židkosti. Uchen. zapiski Leningr. gosud. univ., ser. biol. nauk, 1944, **12**: No. 77, 103–13.—**Ramm, M. G.** Zakrytye i otkrytye povreždenija čerepa i mozga. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 165–91.—**Rapoport, M. U.** [Cranial and craniocerebral wounds; data from the rear evacuation hospital] Sovet. med., 1942, **6**: No. 9, 27. ——— Osobennosti slepykh oskoločnykh čerepno-mozgovykh rannenij. Vopr. neirokhir., 1942, **6**: No. 6, 17–23.—**Rogovoi, I. U.** Pronikajuščie rancnija čerepa, ikh osložnenija i rezultaty lečenija po dannym specializirovannogo evakohospitalja. Ibid., 1947, **11**: No. 6, 53–5.—**Russell, W. R.** The neurology of brain wounds. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 250–2.—**Rybushkin, I.** Cherepno-mozgovye travmy. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 990–3.—**Schaltenbrand, G.** Ueber die Wirkung des Flugtransportes auf Hirnverletzte. Deut. Militärarzt, 1939, **4**: 208–11.—**Schröder, W.** Der Weg der Hirnschüsse bis in das Heimatgebiet. Med. Welt, 1943, **17**: 393–8.—**Shchepinsky, A. A.** [Clinical symptomatology of injuries of the motor centres of the brain and their relation to the topography of cranial wounds] Voen. med. J., Petrogr., 1915, **244**: med. spec. pt, 568–95; 1916, **245**: med. spec. pt, 273.—**Shefer, D. G.** Ognestrelnye ranenija čerepa i mozga, po materialam hospitalja glubokogo tyla. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 93–103.—**Simpson, J. D.** Concussion and contusion. J. R. Nav. M. Serv., 1939, **25**: 67–9.—**Smith, D. F.** Air-raid casualty; severe frontal lobe injury. Ibid., 1943, **29**: 271.—**Spatz.** Pathological anatomy of closed and open wounds of the brain. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 276–9.—**Tönnis, W.** Frische Hirnverletzungen und ihre Behandlung. Deut. Militärarzt, 1939, **4**: 446–54. Also Spanish transl., Rev. san. mil., B. Air., 1942, **41**: 621–37. ——— Zur Einteilung der Schussverletzungen des Gehirns. Deut. Militärarzt, 1942, **7**: 225–32. ——— Gunshot injuries of the brain. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 9, 14; Disc., 17–23. ——— Alterations in the cerebral ventricles following gunshot wounds of brain. Ibid., 4. Conf. (1944) 1948, Proj. 1, pt 4, 323.—**Wegner, W.** Craniocerebral injuries. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 440–57.—**Windle, W. F.** Definition of the term concussion. Neurosurg. Rep. (OSRD) Wash., 1945, No. 68, 72–83. ——— Experimental studies on concussion. In: Advance. Mil. Med., Bost., 1948, **1**: 168–75.—**Woodhall, B.** [Penetrating wounds of the brain] Neurosurg. Rep. (OSRD) Wash., 1945, No. 68, 95.—**Zvonkov, N.** Dinamika v klinike ostroj travmy golovnogo mozga pri pronikajuščhikh ranenijakh čerepa. Vopr. neirokhir., 1947, **11**: No. 6, 52.

—— Brain injury: Treatment.

See also **Neurosurgery,** Methods: Brain.

Afanasiev, S. V. [First aid for craniocerebral wounds in the regimental and army zones] Vopr. neirokhir., 1943, **7**: No. 5, 56.—**Aita, J. A.** The therapy and rehabilitation of men with brain damage. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 143–61.—**Aubin, H., Raynaud, M., & Wilmoth, M.** Primenenie bolšikh doz sulfamida pri khirurgičeskom lečenii čerepno-mozgovykh ran voennogo vremeni. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 617.—**Baker, G. S., & Adson, A. W.** Treatment of craniocerebral injuries in modern warfare. Minnesota M., 1943, **26**: 282–7.—**Botterell, E. H., & Wilson, K. E.** The active management (non-operative) of cranio-cerebral injuries. Canad. M. Ass. J., 1944, **51**: 498–509.—**Cairns, H.** La penicilina en las heridas del cerebro y de la médula. Rev. san. mil., B. Air., 1945, **44**: 602–17.—**Chemotherapy** in brain wounds and meningitis. Bull. Army M. Dep., Lond., 1945, Suppl. No. 20, 1–7.—**Connolly, R. C.** The management of the untreated brain wound. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 168–72.—**Davidoff, L. M.** The treatment of gunshot wounds of the head and brain during the present war. Hebrew M. J., N. Y., 1943, **2**: 180–6.—**Dolin, A. O., Zborovskaia, I. I.** [et al.] Sotrjasenie i kontuzija golovnogo mozga i ikh lečenie na fiziologičeskikh osnovanijakh. In: Voen. med. Leningr. fronte (Russia. Armija. Glavn. voen. san. upravl.) Moskva, 1946, 152–65.—**Dragojević, B.** Važnost intrakranijalnog pritiska i preventivnih mera protiv svih vrsta komplikacija u posmatranju i lečenju kraniocerebralnih povreda. Voj. san. pregl., Beogr., 1948, **5**: 453–8.—**Dudar, M. L.** Rol srednego medicinskogo personala v ukhode za čerepno-mozgovymi ranenymi. Feldsher, Moskva, 1945, No. 4, 45–7.—**Ecker, A. D.** Watertight dural closure in brain wounds with special reference to pedicled grafts. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 28, 35–7.—**Egorov, B. G.** El tratamiento quirúrgico de las heridad craneoencefálicas en la Union Soviética durante la guerra. Rev. san. mil. argent., 1948, **47**: 156–66.—**Finlayson, A. I.** Penetrating war injuries of brain; desirability of early definitive surgery. Bull. U. S. Army M. Dep., 1945, No. 87, 61–9.—**Garsin, R., & Guillaume, J.** O celesoobraznosti sistematičeskogo primenenija preventivnoj sulfamidoterapii i rannego khirurgičeskogo vmešatelstva pri čerepno-mozgovykh ognestrelnykh ranenijakh. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 612.—**Guleke, N.** Soll die frische Hirnschusswunde genäht werden? Deut. Militärarzt, 1941, **6**: 1–9. Also English transl., Bull. War M., Lond., 1941–42, **2**: 273 (Abstr.) Also Spanish transl., Rev. san. mil., B. Air., 1942, **41**: 694–710.—**Horrax, G.** The treatment of war wounds of the brain. N. England J. M., 1941, **225**: 855–63. Also War Med. Sympos., N. Y., 1942, 89–103.—**Ivanov-Smolensky, A. G.** Opyt lečenija surdomutizma kontuzionno-kommocionnogo proiskhoždenija. Voen. med. sborn., 1945, No. 2, 205–11.—**Krivopusk, P. T.** Itogi sovremennogo lečenija čerepno-mozgovykh ranenij v evakohospitale glubokogo tyla. Vopr. neirokhir., 1947, **11**: No. 6, 55.—**Latteri, S.** Sul trattamento primario delle ferite cranio-cerebrali in guerra. Gior. med. mil., 1941, **89**: 322–30. Also Schweiz. med. Wschr., 1941, **71**: 1630 (Abstr.) **Lebedenko, V.** Surgical treatment of brain wounds in the Russian Army. Tr. Am. Neur. Ass., 1943, **69**: 17–21.—**Martel, T., Lenormant, S.** [et al.] O lečenii ognestrelnykh čerepno-mozgovykh ranenij v voennoe vremja i rezultatakh, polučennykh peredovym hospitalem. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 577.—**Milkó, V.** Háborús agysérülések ellátása és a primaer sebzárás. Orv. hetil., 1943, **87**: mell., 85–7.—**Mjasiščev, V. N.** Psikhogenez i psikhoterapija nervno-psikhičeskikh narušenij pri boevykh travmakh mozga. Uchen. zapiski Moskov. gosud. univ. Lomonosova, 1947, **111**: 71–4.—**Osipov, V. V.** [Neurosurgical aid in craniocerebral wounds under conditions of a surgical field hospital] Vopr. neirokhir., 1944, **8**: No. 4, 56.—**Pitts, W. R.** The treatment of penetrating wounds of the brain produced by missiles of warfare. South. Surgeon, 1946–47, **12**: 88–109.—**Popovian, I. M., & Blachman, L. J.** [The modern method of the surgical aid in craniocerebral lesions in the regimental and army zones] Voen. san. delo, 1942, No. 8, 3–9.—**Povorinsky, U. A.** Kompleksnyj metod lečenija postkontuzionnoj glukhonemoty. Voen. med. sborn., 1945, No. 2, 199–204.—**Propper-Grashchenkov, N. I.** Therapy of craniocerebral wounds. War Med., Chic., 1943, **4**: 111 (Abstr.) ——— Surgical technic in craniocerebral

wounds. Bull. War M., Lond., 1943–44, 4: 75 (Abstr.)—**Protopopov, I. I.** [Treatment of craniocerebral injuries in base hospitals] Voen. med. J., Moskva 1944, 51.—**Ruesken.** Occupational therapy for brain injury patients. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4. 321–3.—**Russell, W. R.** Rehabilitation after gunshot wounds of the brain. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 252–5.—**Shearburn, E. W., & Mulford, E. H.** Ambulatory treatment of cerebral concussion. Bull. U. S. Army M. Dep., 1943, No. 69, 36–41.—**Small, J. M., Turner, E. A., & Watt, A. C.** The management of brain wounds in the forward area. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 75–80.—**Stricker, Kammerer & Messerschmitt.** Quelques observations de mycothérapie dans les blessures cranio-cérébrales et leurs complications infectieuses. Réun. méd. chir. Armée fr. [1946?] num. spéc., 72–85.—**Vincent, S., Marte, T.** [et al.] O metode obrabotki ognestrelnykh čerepno-mozgovykh ranenij. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 532.—**Visalli, F.** Alcune considerazioni sui criteri di trattamento dei feriti cranio-cerebrali in guerra. Gior. med. mil., 1941, **89:** 455–7.—**Wix.** Der heutige Standpunkt in der Behandlung Hirnverletzter. Veröff. Marine San., 1942, H. 34, 74–80. Also Vjschr. schweiz. Sanitätsoff., 1943, **20:** 81 (Abstr.)—**Wolf, W.** Chirurgische Versorgung der Schädel-Hirnschussverletzungen des Weltkrieges. Münch. med. Wschr., 1940, **87:** 797–9. Also Nord. med., 1941, **10:** 1336 (Abstr.)

—— Cranium.

See also **Disabled,** Employment.

Axhausen, G. O. R., & Kramer, F. Die Kriegsschussverletzungen des Hirnschädels. p.359–452. 24½cm. Lpz., 1917.
In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917.

Barcia Goyanes, J. J. Heridas del cráneo y raquis; lesiones del sistema nervioso periférico. p.239–301. 21½cm. Santander, 1938.
In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938.

Gómez-Durán, M. Heridas de cráneo. p.9–124. 24½cm. Madr., 1938.
In his Cirug. guerra, Madr., 1938, **1:**

Schönbauer, L. Verletzungen des Hirnschädels. p.257–319. 24½cm. Wien, 1944.
In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1:**

Arnaud, M. Les traumatismes ouverts du crâne par faits de guerre. Méd. trop., Marseille, 1949, **9:** 491–501.—**Assis Pacheco, L. P.** Considerações sobre um caso de fractura da base do crânio. Rev. med. mil., Rio, 1947, **36:** 50–60a.—**Baker, G. S., & Chenault, H.** Compound, comminuted fractures of the skull in battle casualties. Minnesota M., 1946, **29:** 560.—**Barré, J. A.** Traumatismes craniens fermés récents. Chirurgie, Lausanne, 1942, **4:** 57–88.—**Blokhin, N. N.** K patogenezu i terapii posledstvij boevykh travm čerepa. Uchen. zapiski Leningr. gosud. univ., ser. biol. nauk, 1944, **12:** No. 77, 68–80.—**Brehant, J.** Les traumatismes fermés du crâne. Rev. Corps. san. mil., Par., 1945, **1:** 21–9.—**Calvert, C. A.** Orbito-facio-cranial gunshot wounds. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 119–41.—**Campbell, E. H.,** jr. Compound, comminuted skull fractures produced by missiles; report based upon 100 cases. Ann. Surg., 1945, **122:** 375–97.—**Craig, A.** Mastoiditis, complicating fracture of skull. J. R. Nav. M. Serv., 1941, **27:** 93.—**Ferey, D.** Quelques réflexions sur les fractures fermées du crâne à propos de cas récents observés dans un centre neurochirurgical d'Armée. Mém. Acad. chir., Par., 1940, **66:** 242–5.—**Gazova, O. A.** Travmatičeskie poraženija čerepa i ikh osložnenija. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 321–5.—**Greenwood, A.** Ocular manifestations of intracranial injuries. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11:** pt. 2, 718–23.—**Guzman Ruiz, A.** Los traumatizados de cráneo vistos desde un hospital-base. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 22|–38.—**Käfer, H.** Die frischen Kriegschussverletzungen des Hirnschädels. In his Feldchirurgie, 6. Aufl., Dresd., 1943, 213–30. Also 9. Aufl., Dresd., 1944, 217–33.—**Khoroshko, V. K.** O zakrytoj travme čerepa i o posledstvijakh vozdušnoj travmy na vojne. Hosp. delo, 1947, **15:** No. 2, 9.—**Martel, T.** O ranenijakh čerepa. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 602.—**Morisson.** Blessure de la région occipitale par coup de feu à blanc; effets ballistiques sur le casque d'infanterie. Bull. Soc. méd. mil. fr., 1925, **19:** 30–3.—**Peiper, H.** Die Schussverletzungen des Gehirnschädels im Kriege. Deut. med. Wschr., 1939, **65:** 1598–1601. Also Deut. Militärarzt, 1940, **5:** 566 (Abstr.)—**Perlmutter, I.** Trivial symptoms following extensive skull fracture. U. S. Nav. M. Bull., 1946, **46:** 911.—**Petrov, I. R., & Danilov, M. G.** [The effect of reduced barometric pressure on animals with cranial wounds; in connection with air evacuation of wounded] Voen. san. delo, 1942, No. 10, 43.—**Petrov, M.** Pouki ot voennovremennite naranjavanija na čerepa, grbnačnija stlb i perefernite nervi; vtorični arterialni krvoizlivi. Voen. san. delo, Sofia, 1947, **2:** 80–96.—**Pfeifer, W.** Ueber Erscheinungsformen und die Mechanik von Schädelschussverletzungen. Deut. Militärarzt, 1943, **8:** 72; 153.—**Skull** fractures produced by missiles. Bull. U. S. Army M. Dep., 1944, No. 82, 1.—**Stehr, L., & Traube, V.** Hirnschädelschussverletzungen. In: Kriegschirurgie (Zillner, W.) Dresd., 1943, 147–71.—**Stevenson, W. F.** Perforating gunshot fractures of the skull; 61 cases. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 31–42.—**Tolins, S. H.** Avulsion of parietal bone; report of a case. U. S. Nav. M. Bull., 1945, **44:** 618–20.

—— Cranium: Treatment.

Banaitis, S. [Neurosurgical aid for cranial wounds during an offensive] Nevropat. psikhiat., 1944, **13:** No. 4, 46–52.—**Dolgopol, M. B.** O raspoznavanii i lečenii legkoj čerepnoj travmy na različnykh etapakh evakuacii. Voen. med. J., Moskva, 1947, No. 2, 20–2.—**Ferrey, D.** Po povodu lečenija zakrytykh perelomov čerepa. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 620.—**Garcin, R., & Guillaume, J.** Po povodu lechenija zakrytykh cherepnykh travm v peredovom neirokhirurgicheskom otriade. Ibid., 623.—**Grant, F. C.** Treatment of cranial injuries in war. Surg. Clin. N. America, 1941, **21:** 1623–36.—**Lecene.** Gunshot wounds of the skull; their immediate treatment. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 907–10.—**Petit-Dutaillis.** A propos de la conduite à tenir dans les plaies du crâne par projectiles de guerre. Rev. neur., Par., 1939–40, **72:** 604–6.—[Resolution of the VI. session of the Neurosurgical Council on gunshot wounds of the skull] Vopr. neirokhir., 1944, **8:** No. 2, 61–3.—**Romney, H.** Fractura abierta del frontal con pérdida de sustancia cerebral, desinfección quirúrgica seguida de sutura primitiva sin drenaje. Rev. san. mil., Habana, 1942, **6:** 43–53.—**Zehnder, M.** Kopfschutz- und Transportverbände für Kriegsschädelverletzte. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 58–62.

—— Examination.

Cohn, R. An electroencephalographic study of experimental subdural hematomas. 15p. 26½cm. Bethesda, 1946.
Forms Rep. No. 1, Res. Proj. X–299, U. S. Nav. M. Res. Inst.

Yosioka, H. Pneumo-encephalography ni yoru tōbu sensyō no kenkyū [54]p. 26cm. Tōkyō, 1940.
Gun idan zassi, 1940, No. 320, 3; No. 322, 239.

Agte, B. S. Voprosy diagnostiki ognestrelnykh čerepno-mozgovykh ranenij v armejskom rajone. Voen. med. J., Moskva, 1947, No. 10, 16–21.—**Althausen, N. N.** [Application of roentgenological contrast methods of examination in diagnosis of traumatic injuries of the brain; war traumas] Vopr. neirokhir., 1942, **6:** No. 5, 23–9.—**Binet, L.** L'examen des blessés du crâne par les méthodes physiologiques; déductions pratiques pour la rééducation professionnelle. Rev. interall. mutil. guerre, 1918, **1:** 121–8.—**Electroencephalographic** (An) study of experimental subdural hematomas. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 13.—**Epstein, L.** Encephalografi ved traumatiske hjernelidelser. Militaerlaegen, 1943, **49:** 81–100, pl.—**Esteban, M.** La colaboración del oftalmólogo en cirugía craneal de guerra. Rev. españ. med. cir. guerra, 1945, **7:** 635–43.—**Ginsburg, V.** Cherep; rentgenodiagnostika ranenij čerepa. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 986–9, 3 pl.—**Götze, W.** Bioelektrische Nachuntersuchungen an Hirnverletzten. Bull. War M., Lond., 1942–43, **3:** 429 (Abstr.)—**Harris, H. I., Wittson, C. L., & Hunt, W. A.** Value of electroencephalogram in prognosis of minor head injuries; preliminary report. War Med., Chic., 1943, **4:** 374–9.—**Konuma, T.** Zaigō tōbu sensyō-sya kensin syūroku [A report on examination of soldiers wounded in the head] Iryo, 1948, **2:** No. 3, 20–3.—**Kopylov, M.** Rentgenodiagnostika ranenij i zabolevanij golovnogo mozga. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 90–3.—**Kosinskaia, N. S.** Rentgenologičeskaja klassifikacija ognestrelnykh perelomov svoda čerepa. Tr. Evakohosp., Leningr., 1943, No. 5, 90–114.—**Lumsden, R. B., & Fleming, J. A. C.** The importance of otological examination in head injuries, including reference to its relation to radiological investigation. J. R. Army M. Corps, 1944, **82:** 33–9.—**Pereira da Silva, C.** Traumatismos crânio-encefálicos nos acidentados de guerra; considerações radiológicas. Impr. méd., Rio, 1945–46, **21:** No. 381, 37–49.—**Rezende Barbosa, J. E.** O valor do exame oto-neurológico nas síndromes comocionais post-traumáticas à distância. Rev. paul. med., 1943, **22:** 255.—**Samukhin, N. V.** Značenie ispytanija v barokamere pri ekspertize travm čerepa u letnogo sostava. Voen. san. delo, 1941, No. 1, 6–13.—**Sandomirski, J.** Niektóre właściwości rentgeno-diagnostyki w przypadkach postrzałowego uszkodzenia czaszki. Lek. wojsk., 1946, 36–8.—**Vurgaft, M. B.** Issledovanie glaznogo dna pri ranenijakh čerepa v specializirovannom XPPG. Vopr. neirokhir., 1946, **10:** 60.—**Yamada, S.** Tōbu-sensyō ni okeru nō-hyōmen satuei ni tuite [Photography of the surface of the brain in cases of war-wounds of the head] Gun idan zassi, 1940, No. 320, 53–66, incl. 3 pl.—**Yosioka, H.** Pneumo-encephalography ni yoru tōbu sensyō no kenkyū; undō-mahi, tikaku donma to encephalography [Studies in war-wounds of the head based on pneumo-encephalography; motor paralysis and blunting of sensation, and encephalography] Ibid., 3–32, 5 pl.

—— Face.

See also **Face; Jaw.**

GANZER, H. Die Kriegsverletzungen des Gesichts und Gesichtsschädels. 651p. 25cm. Lpz., 1943.

TENEFF, S. Le ferite d'arma da fuoco della faccia. p.661–713. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Chiurco, G. A. Contributo alla cura delle ferite d'arma da fuoco della faccia. Atti Congr. europ. chir. plast. guerra (1942) 1943, 291–8.—**Converse, J. M.** War injuries of the face. Tr. Am. Acad. Ophth. Otolar. (1941) 1942, **46**: 250–5.—**Corbin, F. R.** Fractures of the malar and zygoma. Mil. Surgeon, 1941, **89**: 750–4.—**Erich, J. B.** Fractures of the facial bones. Ibid., **88**: 637–9.—**Ginestet & Chemin.** Présentation de blessés de la face. Bull. Soc. méd. mil. fr., 1945, **39**: 281.—**Kerr, A. B.** Interstitial emphysema of the face and paronychia as self-inflicted injuries. J. R. Army M. Corps, 1945, **84**: 230.—**Kretschmer, F.** Blutungen nach Verletzungen im Bereiche des Gesichtsschädels. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 445–53.—**Lathrop, F. D.** Lesions of the facial nerve due to war injuries and their repair. Proc. R. Soc. M., Lond., 1944–45, **38**: 629–34.—**Lipscomb, T. H.** Facial fractures as seen in the Naval service. South. M. J., 1943, **36**: 665–8. **Macartney, C.** Some minor nasal and aural injuries in recreations. J. R. Nav. M. Serv., 1940, **26**: 139–43.—**McIndoe, A. H.** Injuries of the face. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 31–7.—**Majocchi, A.** Mutilati del viso. In his Veglie in Casa di cura, Roma, 1946, 107–25.—**Masson, H.** Réduction et contention atypiques d'une disjonction cranio-faciale basse. Bull. Soc. méd. mil. fr., 1947, **41**: 139.—**Mikhelson, N. M.** Ognestrelnye povreždenija lica i celjustej v svete sovremennykh znanij. In: Tr. Konf. rabot. čheliust. khir. evakohosp., Moskva, 1945, 22–35.—**Neumann, R.** Die Kriegsverletzungen des Gesichts und Gesichtsschädels. Zahnärztl. Rdsch., 1943, **52**: 1151–4.—**Nuernbergk, W.** Geschosswirkung und Minenverletzung in Weichteilen und Skelett des Gesichtes. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2**: 598–620.—**Petrov, N. N.** Ranenija lica i polosti rta. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 260–5.—**Rost, F.** Gesicht und Mundhöhle. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 453–83.—**Sánchez Arbide, A.** Mutilaciones faciales de guerra. Temas Congr. lat. amer. cir. plást. (1942) 1943, 2. Congr., 428–50.—**Specht, F.** Fachärztliche Erfahrungen über Gesichtsschädelverletzungen in Krieg und Frieden. Münch. med. Wschr., 1942, **89**: 391–5.—**Stahl, O.** Die Kriegsschussverletzungen des Gesichts einschl. der Augen und Ohren. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 206–14. Also 6. Aufl., Dresd., 1943, 230–8. Also 9. Aufl., Dresd., 1944, 234–42.—**Teneff, S.** Generalità sulle ferite d'arma da fuoco della faccia. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 661–75. —— Le lesioni della faccia prodotte da agenti traumatici ottusi e da agenti fisici e chimici. Ibid., 676. —— Le ferite d'arma da fuoco del naso e delle cavità paranasali. Ibid., 685–9.—**Waggoner, D. T.** Multiple fractures of the facial bones; report of a case. J. Mil. M. Pacific, 1946, **2**: No. 4, 47–57.—**Webster, G. V.** War wounds of the lips and cheeks. U. S. Nav. M. Bull., 1945, **45**: 819–26.

—— Face: Treatment.

See also **Surgical technic,** Face.

Kintz, F. P. Traumatic wounds of the soft tissues of the face with a preliminary report on a new azochloramide solution, and a new modified sulphanilamide solution. Mil. Surgeon, 1941, **89**: 60–70.—**Lathrop, F. D.** The repair of traumatic lesions of the facial nerve secondary to war wounds. Surg. Clin. N. America, 1946, **26**: 763–73.—**Rosenthal, W.** Die Wehrchirurgie des Gesichtsschädels; die definitive Wundversorgung. Ber. Deut. Ges. Zahn &c. Heilk. (1935) 1936, **72**: pt 2, 134–47.—**Schneider, K. W.** The cause and treatment of life endangering secondary hemorrhages in case of injuries of the face-skull. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 388; Disc., 390.—**Teneff, S.** Esiti delle ferite d'arma da fuoco ed interventi plastici della faccia. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 708–10.

—— Foreign-body retention.

See also **Foreign body.**

Babcsin, I. S., & Koszinszkája, N. S. Az agyban lévő idegen testek. Honvédorvos, 1950, 2: 110 (Abstr). **Cipriani, G.** A propos d'une méthode anatomo-radiologique pour le repérage d'un projectile de guerre, dans le cerveau. Schweiz. med. Wschr., 1942, **72**: 275 (Abstr.)—**Herdner.** Une curieuse blessure de guerre; intérêt chirurgical de la tomographie osseuse; localisation tomographique des projectiles intracrâniens. Acta chir. belg., 1949, 65–88.—**Johnson, G. L.** Bullet in the brain. Mil. Surgeon, 1937, **81**: 264; 1938, **82**: 511; 1939, **84**: 603.—**Taverner, D., & Phillips, G.** Pneumocephalus following a penetrating wound of the chest; bullet in brain. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 262–5.—**Winslow, P. M.** Penetrating wounds and foreign bodies of the brain. Neurosurg. Ward Rounds, 1940–41, **2**: No. 3, 1–14.

—— Forensic aspect.

Ernst, K. Schädeltrauma und Militärdiensttauglichkeit. Klin. Wschr., 1940, **19**: 1000. —— Schädelverletzung und Wehrtauglichkeit. Med. Klin., Berl., 1940, **36**: 879.—**Fuchs, A.** Beurteilung und militärärztliche Begutachtung gedeckter Hirnschädigungen. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 581–95.

—— gunshot and penetrating.

See also other subdivisions.

UFFREDUZZI, O. Le ferite d'arma da fuoco del cranio e del cervello. p.575–660. 25cm. Tor., 1940.
In his Chir. guerra, Tor., 1940.

Bibliography on gunshot wounds of the head. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 266–8.—**Cairns, H.** Head injuries in war, with special reference to gunshot wounds; including a report on the late results in some of Harvey Cushing's cases of 1917. War Med., Chic., 1942, **2**: 772–85. —— Gunshot wounds of the head in the acute stage; a review of the work of the Neurosurgical Units of the British Army. Proc. R. Soc. M., Lond., 1943–44, **37**: 371. —— & **Guttmann, E.** A review of recent German work on gunshot wounds of the head. Bull. War M., Lond., 1942–43, **3**: 477–84.—**Coleman, C. C.** Late treatment of gunshot wounds of the head. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 804–40.—**Frazier, C. H., & Ingham, S. D.** Neurological aspects of the effects of gunshot wounds of the head. Ibid., 795–803.—**Gliddon, W. O.** Gunshot wounds of the head; a review of the after-effects in 500 Canadian pensioners from the Great War, 1914–18. Canad. M. Ass. J., 1943, **49**: 373–7.—**Ivanovsky, G. A.** Rol kaski pri ognestrelnykh ranenijakh golovy. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 104–9.—**Jepson, R. P., & Whitty, C. W. M.** The neurological state and post-operative course in penetrating head wounds. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 243–50.—**Kerr, H. H.** A statistical analysis of gunshot wounds of the head. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 841–7.—**Malmros, R.** Case of intracranial injuries with intact skull caused by the explosive pressure of a gun shot. Acta psychiat. neur., Kbh., 1944, **19**: 267–74.—**Reichard, H.** Spätfolgen von Kopfschuss. Deut. Militärarzt, 1943, **8**: 268.—**Siraisi, U.** Tōbu zyūsō no ryōhō [Treatment of gunshot wounds of the head] Gun idan zassi, 1925, No. 145, 921–40.—**Skrypt, A. A.** [Characteristics of gunshot wounds of the upper respiratory tract and of the ear] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 251–4.—**Stevenson, W. F.** Gunshot injuries of the head. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 13.

—— Head and neck.

See also **Neck.**

Alsina, F. Heridas de la cara y del cuello. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 303–29.—**Broyles, E. N.** Penetrating wounds of the face and neck; tentative treatment. U. S. Nav. M. Bull., 1945, **45**: 723.—**Flax, J.** Zranění měkkých částí obličeje, nosu, ucha, krku a vedlejších dutin nosních. Voj. zdrav. listy, 1948, **17**: 175–81.—**Haffly, G. N.** Value of routine roentgenographic studies of war injuries of the head and neck. Arch. Otolar., Chic., 1945, **41**: 216.—**Lachmann, J.** Experiences with war injuries of the face and neck. Harefuah, Tel Aviv, 1949, **36**: 17–20.—**Rosenvold, L. K.** The face and neck. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 162–6.—**Smart, F. P.** Wounds of eye, ear, nose and throat. U. S. Nav. M. Bull., 1945, **44**: 1231–3.—**Wessely, E.** Verletzungen des Gesichtsschädels und des Halses. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 597–613.—**Wiser, H. J., & McAfee, M. F.** Injuries of the face and neck in war casualties. U. S. Nav. M. Bull., 1946, **46**: 57–66.—**Wüst, K.** Erfahrungen bei Kriegsverletzungen im Gebiete des Halses, des Gesichtsschädels und der Schädelbasis. Zschr. Hals &c. Heilk., 1944, **50**: 129–39.

—— Infection.

See also **Wound infection.**

Ascroft, P. B., & Pulvertaft, R. J. V. The bacteriology of head wounds. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 183–6.—**Cairns, H., Calvert, C. A.** [et al.] Complications of head wounds, with especial reference to infection. Ibid., 198–243, tab.—**Complicación** grave de las heridas craneocerebrales (la infección gaseosa); informe emitido por una Comisión de hombres de ciencia del Soviet. Rev. san. mil., B. Air., 1944, **43**: 249–56.—**Jefferson, G.** Head wounds and infection in two wars. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 3–8.—**Margorin, E. M.** Osteomielity cherepa posle ognestrel'nykh ranenii. Voen. med. J., Moskva, 1946, No. 1–2, 10–21.—**Masuoka, T.** [Two cases of osteomyelitis of cranial bone] Bull. Nav. M. Ass., Tokyo, 1940, **29**: 879–84, pl.—**Miller, D.** Infective complications of head battle casualties. Austral. N. Zealand J. Surg., 1942–43, 53–63.—**Peiper, H.** Wann und wie soll der infizierte Hirnschuss operiert werden? Deut. Militärarzt, 1943, **8**: 65; 146.—**Schulze, W., & Betzen-**

dahl, W. Zur Kriegslazarettbehandlung infizierter Schädel-Gehirnschüsse. Ibid., 1940, 5: 514–29.—**Zehrer, G.** Nachbehandlung infizierter Hirnschüsse. Ibid., 1944, 9: 308–15.

—— Jaws.

See under **Jaw, Injury.**

—— Sequelae.

After-effects of minor head injuries. Bull. Army M. Dep., Lond., 1942, No. 18, 1–3.—**Bostroem.** Late sequelae of commotio and contusio cerebri. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 278–81.—**Bryson, J. G.** Ocular manifestations of intracranial injury. Mil. Surgeon, 1949, **104**: 348–58.—**Dalsgaard-Nielsen, T., Kristensen, B.** [et al.] Fractures of the skull and their sequelae. Bull. War M., Lond., 1941–42, **2**: 184–6 (Abstr.)—**Denny-Brown, D.** The sequelae of war head injuries. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 9–50.—**Dragojević, B.** Fraktura baze lobanje sa povredom intrakranijuma. Voj. san. pregl., Beogr., 1949, **6**: 47–52.—**Ecker, A.** Treatment of high fever following head injury and suggestion concerning ventricular drainage for acute traumatic hydrocephalus. Mil. Surgeon, 1942, **91**: 670–5.—**Friedman, A. P., & Merritt, H. H.** The relationship of intracranial pressure and presence of blood in the cerebrospinal fluid to the occurrence of headaches in patients with injuries to the head. Neurosurg. Rep. (OSRD) Wash., 1944, No. 37, 1.—**Geinisman, J. I.** [The data of encephalography in the sequels of open cerebrum traumae of wartime] Nevropat. psikhiat., 1943, **12**: 29–36.—**Gotfrýd, O.** Nitrolební poranění a edem mozku. Voj. zdrav. listy, 1948, **17**: 183–7.—**Gross, H. A., & Stocker, G. F.** Traumatic pneumocephalus. U. S. Nav. M. Bull., 1949, **49**: 113–9.—**Guillan, G.** Secondary and late complications of brain wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 903–5.—**Gurdjian, E. S., Webster, J. E., & Stone, W. E.** Cerebral metabolism in experimental head injury. War Med., Chic., 1944, **6**: 173–9.—**Irsigler, F. J.** Post-traumatic pressure on brain. Bull. War M., Lond., 1941–42, **2**: 91 (Abstr.)—**Jaeger, F.** Traumatische intrakranielle Blutungen. Ibid., 1942–43, **3**: 315 (Abstr.)—**Jasper, H., & Bornstein, M.** Changes in the electrical activity of the brain produced by experimental trauma. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 4, C.6119, 1–9, 7 fig.—**Kunakov, K. A., & Tikhonov, A. S.** [Physical exercises in treatment of sequels of cranial gunshot wounds] Voen. san. delo, 1941, No. 8, 33–9.—**Kyrieleis.** Ueber Stauungspapille bei Hirnschussverletzungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 23–5.—**Larsen, V.** Certain ocular symptoms occurring after fracture of the skull. Bull. War M., Lond., 1941–42, **2**: 103 (Abstr.)—**Lemmi, F.** La pupilla nei craniotraumatizzati. Gior. med. mil., 1942, **90**: 572–6.—**Lobova, L. P.** Anginaszerü rohamok a halántéktáji szövödött lövési sérülései esetén. Honvédorvos, 1950, **2**: 303 (Abstr.)—**Lurija, A. R.** Vosstanovlenie funkcii posle voennoj travmy mozga. Vest. Akad. med. nauk SSSR, 1946, No. 4, 3–11.—**McGavic, J. S.** Visual disturbances associated with head injuries. Proc. Mil. Ophth. Meet., 1945, 66–73.—**Maltby, G. L.** Penetrating craniocerebral injuries; evaluation of the late results in a group of 200 consecutive penetrating cranial war wounds. J. Neurosurg., 1946, **3**: 239–49.—**Peacher, W. G.** Disorders of articulation due to gunshot wounds of the head and neck in World War II. In: Twentieth Cent. Speech Voice Corr. (Froeschels, E.) N. Y., 1948, 236–48.—**Potter, J. M.** Cerebro-facial bullet wound resulting in five secondary haemorrhages from the nasopharynx; carotid ligatures. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 260–2.—**Rotter, W.** Ueber die Gefahr der Blutaspiration bei Schädelverletzten unter besonderer Berücksichtigung capillärer Sickerblutungen aus den Schleimhäuten der Nase und ihrer Nebenhöhlen. Deut. Militärarzt, 1942, **7**: 232–4. Also Bull. War M., Lond., 1942–43, **3**: 500 (Abstr.)—**Shershevskaja, O. I.** [Vascular reaction of the retina in cranial trauma of warfare] Vest. oft., 1944, **23**: No. 2, 16–22.—**Siris, J. H.** Postconcussion syndrome; pathogenesis and prophylaxis. U. S. Nav. M. Bull., 1944, **42**: 1357–65.—**Tejerina González, F., & Botella Llusiá, J.** Nota sobre la glucoregulación en los traumatismos craneales. Rev. españ. med. cir. guerra, 1941, **7**: 213–21.—**Wilson, W. C.** Analysis of cortical components involved in reflex pupillary dilatation to clarify the etiology of anisocoria resulting from head trauma. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 1, No. 17, 1.

—— Sequelae: Brain abscess and trauma.

Abbott, W. D., Due, F. O., & Nosik, W. A. Subdural hematoma and effusion as result of blast injuries. Bull. Am. Coll. Surgeons, 1943, **28**: 123–5.—**Astvacaturov, M. I.** [Significance of trauma in cerebral tumors] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 19–26.—**Clavel, Hutinel & Bardonnet.** Abcès du cerveau consécutif à une blessure de guerre. Lyon chir., 1943, **38**: 181.—**Grunnagle, J. F.** Traumatic intracerebral hematoma (a case report) J. Mil. M. Pacific, 1946, **2**: No. 3, 43–5.—**Lemke, J. E.** Zur Pathologie und Klinik der Hirnabscesse nach Schädelschussverletzung. Chirurg, 1944, **16**: 16–27.

—— Sequelae, mental and neural.

Dettenhof, F. F. [Therapy of psychic sequels of cranial injuries] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 411–3.—**Ekrem Sadi Kavur** [War surgery; care and medical knowledge in treatment of depressive states following trauma; wounds of the brain] Askeri sihhiye mecmuasi, 1940, **69**: No. 31, 6–13.—**Emdin, P. I.** [Closed craniocerebral injuries and psychogenous phenomena] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 400–2.—**Gorovoi-Shaltan, V. A.** [Amnesic, affective and psychomotor disturbances following cerebral trauma] Ibid., 408–10.—**Horrax, G.** Craniocerebral injuries. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 132–50.—**Lastres, J. B., Seguín, A., & López, F. N.** Síndrome cerebelo-talámico disociado somato-psicogenético por traumatismo craneal. Rev. san. mil., Lima, 1941, **14**: No. 41, 109–21, 3pl.—**Lemke, R.** Psychische Störungen als Restzustände nach Hirnkontusionen und Hirnverletzungen. Bull. War M., Lond., 1942–43, **3**: 169 (Abstr.)—**Minc, J. I.** Nejro-somato-vegetativnye narušenija v rannem periode zakrytykh travm čerepa voennogo vremeni. Nevropat. psikhiat., 1949, **18**: 59–65.—**Mirelsohn, L. A.** [Nature of disturbances of affectivity in closed trauma of the skull] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 417–9.—**Orr, E. H.** Old head injury with encephalomalacia, right frontal lobe, and status epilepticus. Med. Bull. Veterans Admin., 1942–43, **19**: 466.—**Pupo, P. P.** Desordens psíquicas por acidentes crânio-encefálicos nos traumatizados de guerra. Impr. méd., Rio, 1945–46, **21**: No. 382, 39–47.—**Sereisky, M. J.** O posledujućikh psikhićeskikh izmenenijakh posle voennoj travmy čerepa i ikh lećenii. Voen. med. J., Moskva, 1947, No. 5, 7–12.—**Suwa, N.** Zentōyō kinō no kenkyū; tōbu sensyō rei no seisinsinkeigaku-teki kansatu [Studies on the function of the frontal lobe; psychiatric and neurologic observations of brain injuries in war] No & sinkei, 1949, 227–33.—**Tartakoff, S. S.** Head injury with unusual scquelae. Med. Bull. Veterans Admin., 1943–44, **20**: 78.—**Téllez Lafuente, D.** Trastornos mentales consecutivos a los traumatismos craneales de guerra. Medicina, Madr., 1933, **4**: 523–45.—**Vela, L., & Núñez, E.** Valoración de los trastornos psíquicos tardíos en los traumatismos de cráneo. Rev. españ. med. cir. guerra, 1941, **7**: 199–212.—**Wildegans, H., & Betzendahl, W.** Erscheinungen und Vorhersage der Schussverletzungen des Stirnhirns nach Erfahrungen bei den vorderen Sanitätseinrichtungen. Beitr. klin. Chir., 1943–44, **175**: 415–54.

—— Treatment.

See also other subheadings.

After-treatment of head injuries. Bull. Army M. Dir., Lond., 1941, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 55.—**Birkmayer, W.** Die Behandlung von Kopfschmerzen nach Schädelverletzungen durch Jod-Jontophorese. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 596–602.—**Cairns, H.** Rehabilitation after head injuries. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 60–70. ——— The organization for treatment of head wounds in the British Army. Brit. M. Bull., 1945, **3**: 9–14, 4 pl. Also in Interallied Conf. War Med. (1942–45) 1947, 145–53, 2 pl.—**Furlow, L. T.** Treatment of acute head injuries. Mil. Surgeon, 1950, **106**: 118–22.—**McKissock, W.** Rehabilitation of head injuries. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 51–9.—**Memorandum** on the early treatment of closed head injuries. J. R. Nav. M. Serv., 1941, **27**: 172–5.—**Memorandum** of the immediate treatment of open head injuries. Ibid., 375–9.—**Negus, V. E.** Treatment of injuries of the ear, nose and sinuses. Bull. War M., Lond., 1941–42, **2**: 189 (Abstr.)—**Schorstein, J.** An atlas of head wounds illustrating standard operative technique. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 27–61.—**Stevenson, W. F.** The treatment of injuries of the head. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 42–7.—**Turner, O. A.** The care and treatment of wartime injuries to the head; a review of some recent literature. Mil. Surgeon, 1943, **92**: 473–90.—**Van Zile, W. N.** A technic for building head cast fracture appliances from coat hangers. U. S. Nav. M. Bull., 1944, **42**: 200–7.

—— Treatment: Organization.

See also **Surgical unit,** Head surgery.

Badenoch, A. W., & Holms, S. Report from a maxillo-facial centre at a Royal Air Force casualty clearing station in England. Brit. Dent. J., 1945, **79**: 346–8.—**Goldstein, K.** Special institutions for rehabilitation of soldiers with brain injuries. Occup. Ther. Rehabil., 1944, **23**: 115–8.—**Hainburger** (aus der) Schule [A school for Austro-Hungarian soldiers with injured brains] Oester. Illust. Ztg., 1917, 375–8.—**Heller, E.** Ueber die Einrichtung von Kopfschußsammelstellen im Kriege und die Benutzung des Riesenmagneten bei Gehirnsteckschüssen. Chirurg, 1939, **11**: 705–9.—**Treatment** of minor head injuries by unit medical officers. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 56–8.—**Urban, F.** Zkušenosti v therapii válečných zranění čelistí. Voj. zdrav. listy, 1948, **17**: 310–19.

—— Weapons.

See also other subheadings.

Abbott, K. H. Multiple penetrating craniocerebral wounds inflicted by means of a hatchet. Mil. Surgeon, 1947, **101**: 224–7.—**Gurdin, M.** Management of multiple compound facial wounds caused by whirling airplane propeller. Am. J. Surg., 1947, **73**: 602–5.—**Hays, J. F.** Penetration of head by line-

carrying spike. U. S. Nav. M. Bull., 1943, **41**: 1083–6.—**Horrax, G., & Coleman, C. C.** Head injuries other than those caused by gunshot or shell. In: Neurosurg. & Thorac. Surg. (U. S. Nat. Res. Counc.) Phila., 1943, 28–50.—**Mogena, H. G.** Trauma craneal de origen aéreo. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 208–12. Also Rev. españ. med. cir. guerra, 1940, **5**: 269–75.—**Navis, H.** [Three cases of cranial injuries caused by explosion of aerial bombs] Ned. tschr. geneesk., 1940, **84**: 4336.—**Uffreduzzi, O.** Lesioni del cranio e del cervello prodotte da agenti traumatici ottusi. In his Chir. guerra, Tor., 1940, 653–5.

HEALING.

See such terms as **Fracture,** Healing; **Wound,** Healing.

HEALTH.

See also subsequent headings; also **Prisoner of war,** Health; **Recruit,** Health.

Chatinière, H. Pour sa santé; ce qu'un poilu doit savoir. 137p. 16° Par., 1916.

Ottolenghi, D. L'igiene del soldato in campagna. 81p. 8° Fir., ca 1915.

United States. War Department. Bureau of Public Relations. Women's Interests Section. The soldier and his health. 26p. 23cm. Wash., 1942.

Webster, C. A. Fighting fit. 15p. 12½cm. n. p., 1941[?]

Azevedo, R. V. Documentos sanitários de origem em tempo de paz e em tempo de guerra; disposições. Rev. med. mil., Rio, 1947, **36**: 128–37.—**Burbridge, D. H. D.** Looking at health. J. R. Army M. Corps, 1949, **92**: 77–85.—**Cox, W. C.** [The personal hygiene of the individual soldier of the Panama Canal Department] In: Prev. Med. in World War II, Wash., 1948, **11**: 15.—**Groom, D. L.** Half the battle. Dis. Nerv. Syst., 1945, **6**: 310–2.—**Itiko, K., Takeuti, K.** [et al.] Kenpei kenmin to rinsyōgaku [Clinical lectures on healthy soldiers and healthy people] Naika & syonika, 1943, **3**: 68; 80.—**Kellogg, R.** Cyrus the Great, a disciple of biologic living. Good Health, 1940, **75**: 41.—**Libretto** (Il) personale pel cittadino soldato. Rass. internaz. clin. ter., 1936, **17**: 289–91.—**[Matignon]** Manual individual de hygiene do soldado japonez. Porto med., 1908, **5**: 70–8.—**Morales Villablanca, M.** Algo sobre la salud e higiene del personal de carabineros en relación con el servicio. Congr. med. cir. nav. mil. Chile, 1929, 245–9.—**Muñiz y Angulo, L.** Sanidad en campaña. Rev. san. mil. argent., 1947, **46**: 258; 474.—**Nisiwaki, T.** Tai-hei no taikaku eiyō hantei ni kan-suru kenkō-bō zuhyō no kōan [Ueber ein Gesundheits-diagramm zur Beurteilung des Körperbaus und Ernährungszustandes der Soldaten in der Kaserne] Gun idan zassi, 1932, No. 225, 347–64.—**Personal** hygiene. In: Prev. Med. in World War II, Wash., 1948, **8**: 105–8.—**Richardson, F. M.** Competitive health preservation in the army. J. R. Army M. Corps, 1948, **91**: 203–15.—**Richmond, A. E.** Positive health; its attainment in the soldier and the army's contribution to it in the civilian. Ibid., 1947, **89**: 274–89.—**Turner, E. G.** Health on active service. S. Barth. Hosp. J., Lond., 1949, **53**: 151.

HEALTH card.

See also **Record.**

Doyle Ferreira, G. Da criação de uma ficha sanitária individual. Rev. med. mil., Rio, 1942, **31**: 166–70.—**Lobo da Silva, A.** Cartilha de hygiene (para uso do soldado brasileiro) Rev. med. hyg. mil., Rio, 1927, **16**: 139; passim.—**Pradel.** La fiche sanitaire individuelle du troupier, complément de la fiche sanitaire de l'écolier. Rev. méd., Par., 1912, **22**: 198–203.—**Titi, A.** Livret médical individuel dans la marine. Arch. méd. pharm. nav., 1906, **85**: 366–72.

HEALTH department.

See subheadings of **Emergency Medical Service;** also **Health service.**

HEALTH education.

See also **Hospital service,** Health education; **Physical training; Venereal disease,** Health education.

Dutilh, P. *L'education d'hygiène dans l'Armée. 103p. 25cm. Lyon, 1939.

Genzel, H. Aerztlicher Ratgeber für die Wehrübungen. 3. Aufl. 89p. 17cm. Lpz., 1943.

United States. War Department. Pamphlet No. 21–10. Pvt. Droop has missed the war! 13p. 13cm. Wash., 1944.

Anderson, J. A. The teaching of hygiene in the Army. J. State M., Lond., 1926, **34**: 269–77.—**Baru, E. S.** [Sanitary leaflets in an army area] Voen. san. delo, 1943, No. 5, 50.—**Bliss, R. W.** The Army's part in the health program of the nation. Bull. U. S. Army M. Dep., 1948, **8**: 341–9. Also in Pub. Health in the World (Simmons, J. S.) Cambr., 1949, 107–20. ——— Also Spanish transl., Bol. san. mil., Méx., 1949, **2**: 441–7.—**Cantlie, N.** Health discipline. U. S. Armed Forces M. J., 1950, **1**: 232–7.—**Hood, A.** The teaching of hygiene in the Army. J. R. Inst. Pub. Health, 1947, **10**: 405–12.—**Johnson, L.** Our Army prolongs life. Army M. Bull., 1939, **47**: 1–8.—**Jolliffe, N.** Not for war alone. Hygeia, Chic., 1941, **19**: 124.—**Kiersnowski, T.** [Medical lectures for enlisted men] Lek. wojsk., 1938, **31**: 216–33.—**Klimov, I. J., & Shumilo, I. N.** Opyt oformlenija dannykh sanitarnogo kontrolja sp omośćiu doski čistoty. Voen. san. delo, 1940, No. 5, 108.—**Lecciones** de higiene militar; el soldado. Rev. san. mil., Asunción, 1939–40, **13**: 1149–64.—**Méhész, E.** Járványtani óra csapatnál. Honvédorvos, 1950, **2**: 543–5.—**Mikesell, H. L.** Teaching field sanitation to troops in the field. Mil. Surgeon, 1942, **90**: 401–6.—**New** (The) Army learns about health. Med. Ann. District of Columbia, 1941, **10**: 302.—**Perin, J.** Zdravstveno prosvećivanje vojnika i uloga trupnog lekara. Voj. san. pregl., Beogr., 1949, **6**: 176–8.—**Redondo, J.** Instrucción sanitaria del personal de la Armada. Rev. méd. Sevilla, 1907, **48**: 361–71.—**Rhea, T. R.** A cooperative health education program in a combat zone. J. Health Phys. Educ., 1943, **14**: 70.—**Richards, H. J. A.** Health education in the army. J. R. Army M. Corps, 1948, **90**: 133–48.—**Wahl, R.** Der überragende Anteil der Hals-, Nasen-, Mund-Gesundheits-Vorsorge an der Wehrhaftmachung, Gesundung, Ernährung und am wirtschaftlichen Aufbau. Verh. Deut. Ges. inn. Med., 1939, 51. Kongr., 586–97.—**Weisz, E.** Vorschläge zur Verbreitung der prophylaktischen Kenntnisse im Wege des Militärs und zur Schaffung einer Gesundheitspolizei. C. rend. Congr. internat. méd., 16. Congr., 1910, Sect. 18, Hyg., 26–39.—**Werneck, L.** Papel das fôrças armadas na educação sanitária do povo. Rev. med. mil., Rio, 1948, **37**: 503–12.—**Willans, H.** Army welfare and education. Med. Press & Circ., Lond., 1941, **205**: 297–300.

HEALTH nursing.

See under **Nursing.**

HEALTH officer.

Colson, H. St. C. The naval health officer. J. R. Nav. M. Serv., 1933, **19**: 278–82.

—— civilian.

Civilian medical officers for military services. Med. Off., Lond., 1942, **67**: 132.—**Hume, E. E.** Preparación de oficiales médicos para el servicio de guerra. Rev. san. mil., Habana, 1942, **6**: 15–34.—**Massey, A.** The part played by the medical officer of health in war-time medicine. Med. Press & Circ., Lond., 1942, **207**: 10–2.—**Public** (The) health administrator and the war. Am. J. Pub. Health, 1942, **32**: 535.—**State** and Territorial Health Officers confer on wartime tasks. Pub. Health Rep., Wash., 1942, **57**: 696–707.—**Swartout, H. O.** Wartime problems of a county health officer. Am. J. Pub. Health, 1944, **34**: 379–82.

HEALTH service.

See also **Medical organization; Medical service.**

Brunner, T. Die psychische Hygiene in der schweizerischen Armee. Gesundheit Zür., 1946, 202–19.—**Calderon Arzamendi, R.** Servicio de sanidad en campaña. Rev. méd. mil., Méx., 1938, **1**: 31–72.—**Chievitz, O.** Inledning til en diskussion om mulige forandringer i sanitetsvaesenet under krig. Militaerlaegen, 1941, **47**: 43–74.—**Dailey, M. A.** Returning service man and his family. Pub. Health Nurs., Utica, 1944, **36**: 568.—**Geiger, J. C.** Public health is in the Army now. Health, Mount. View, 1941, **8**: No. 4, 8.—**Glaser, E.** Hygiene im Krieg und das neue Heer mit allgemeiner Dienstpflicht. Wien. med. Wschr., 1938, **88**: 805–8.—**Hennyey, J.** Hygienikus munka a csapatnál. Honvédorvos, 1950, **2**: 539–42.—**Isler, E.** Unsere Sanität. In: Sanitätstruppen, Zür., 1942, 14–24.—**Kemalettin Güngör** [Organisation and health service in modern armies] Askeri sihhiye mecmuasi, 1940, **69**: 10–21, 2 maps.—**Meakins, J. C.** What a modern Army health service should be. J. Michigan M. Soc., 1944, **43**: 997–1002.—**Militära** helsovårdskomitén. In: Förteckn. Komitébetänk. (Thyselius, E.) Stockh., 1896, 389–403.—**Peiffer** [Military health service] Geneesk. tschr. Ned. Indië, 1941, **81**: 2315.—**Pereira, H. A. M.** Problemas de saúde em campanha. Rev. med. mil., Rio, 1948, **37**: 345–8.—**Rennie, T. A. C., & Woodward, L. E.** Mental health services in the Armed Forces. In their Ment. Health, N. Y., 1948, 3–43.—**Responsibility** (The) for the health of our troops. J. Am. M. Ass., 1917, **68**: 1917.—**Stafford, J.** Uncle Sam guards the Army's health. Health, Mount. View, 1943, **10**: No. 9, 6.

—— Relation to public health.

See also **Emergency Medical Service** Public health aspect; **War; War hygiene.**

Belickaia, E. Zdravookhranenie. In: Encikl slovar voen. med., Moskva, 1946–48, **2**: 784–94. ——— Sovetskoe zdravookhranenie, osnovnye principy i struktura. Ibid., 787–9. ——— Voenno-medicinskie zadachi grazhdanskogo zdravookhraneniia v mirnoe vremia. Ibid., 789–92. ——— Voenno-medicinskie zadachi grazhdanskogo zdravookhraneniia v voennoe vremia. Ibid., 792–4.—**Bliss, R. W.** The Army's interest in public health activities. Bull. U. S. Army M. Dep., 1949, **9**: 633–9. ——— Military responsibility for civilian health in war. Mil. Surgeon, 1949, **104**: 247–50.—**Crabtree, J. A.** Health problems in transition period. Ibid., 1946, **99**: 754–8.—**Division** (The) of Sanitation gives special services in wartime. New Lett. Kansas Bd Health, 1942, **9**: No. 10, 3.—**Dunham, G. C.** Health work in Hemisphere development. Mil. Surgeon, 1944, **94**: 189–95.—**Fairbank, L. C.** Present day trends in public health both civil and military. Bull. Philadelphia Co. Dent. Soc., 1940, **4**: No. 7, 4–6.—**Fishbein, M.** Health and the war. Hygeia, Chic., 1943, **21**: 12.—**Holmes, E. M.,** jr. Community health in war time. Med. Rec., Houston, 1943, **37**: 671–4.—**Impact** (The) of the war on the Health Department. J. M. Ass. Alabama, 1945–46, **15**: 243–6.—**McIntosh, T. S.** Civil and military hygiene. Med. Off., Lond., 1919, **22**: 175.—**MacKeown, R. J.** Co-operation for the safeguarding of public health interests of both the civil population and the Armed Forces in peace and during war. Pub. Health, Lond., 1921–22, **35**: 245–9. Also J. R. Nav. M. Serv., 1922, **8**: 10–5.—**Manke.** Gesundheitsamt im Einsatz für die Gesundheitssicherung im Kriege. Deut. Aerztebl., 1942, **72**: 218–20.—**Mitreev, G.** [Military problems of Soviet public health] Hig. & zdorov., 1942, **7**: 1–3.—**Mountin, J. W.** Health of the civilian population during war; the national problem. Med. Ann. District of Columbia, 1942, **11**: 465–70.—**Parran, T.** The public health task in war. Mil. Surgeon, 1943, **92**: 129–34. ——— Global frontiers of public health. Ibid., 1945, **96**: 7–11.—**Pico Navarro, R.** Cooperación sanitaria entre civiles y militares. Rev. méd. mil., Méx., 1938, **1**: No. 3, 19–21.—**Reforms** resulting from war conditions. Med. Off., Lond., 1943, **70**: 151.—**Report** of Senate Committee on Wartime Health and Education. J. Am. Dent. Ass., 1945, **32**: 270–84.—**Reynolds, C. R.** Cooperation of health services with the military establishment. Proc. Conf. Health Author. N. America (1939) 1940, 54. meet., 25–30.—**Rowntree, L. G.** War and national health. Ohio M. J., 1942, **38**: 529–36.—**Schwitalla, A. M.** Wartime health and education; the second hearing before Senator Pepper's Committee. Hosp. Progr., 1945, **26**: No. 2, 52–63.—**Wartime** health and education [Senate Subcommittee] J. Am. M. Ass., 1945, **127**: 36–43.—**Willink, H. U.** Wartime health organization. Health & Social Welf., Lond., 1945, 225–32.—**Wilson, W. L.** Civil organization for health in time of war. Bull. U. S. Army M. Dep., 1948, **8**: 778–89.

HEALTH statistics.

See **Morbidity; Mortality.**

HEARING.

See also **Deafness; Ear; Ear injury,** Deafness.

Harris, J. D., & Myers, C. K. Intensity discrimination for white noise. 25 l. 28cm. N. Lond., 1948.

Forms Rep. No. 3, Proj. No. NM-003-020, U. S. Nav. M. Res. Laborat.

—— [et al.] The effect of sensation level on intensity discrimination for white noise. 26 l. 28cm. N. Lond., 1949.

Forms Rep. No. 4, Proj. NM 003 020 (or, No. 145, v. 8) U. S. Nav. M. Res. Laborat.

Research on auditory problems presented by naval operations. J. Canad. M. Serv., 1945–46, **3**: 323–9.

—— Rehabilitation.

See also **Rehabilitation;** also subheadings of **Ear injury.**

Adams, S. H. The record of a rescue. Volta Rev., 1944, **46**: 157.—**Canfield, N., & Morrissett, L. E.** Military aural rehabilitation. In: Hearing & Deafness (Davis, H.) N. Y., 1947, 318–37.—**Daggett, W. I.** Discussion on war deafness and the care of deafened ex-servicemen. J. Lar. Otol., Lond., 1946, **61**: 508–19.—**Hughson, W., & Westlake, H. D.** Manual for program outline for rehabilitation of aural casualties both military and civilian. Tr. Am. Acad. Ophth. Otolar., 1943–44, **48**: Suppl., 3–15.—**Joiner, E.** The work at General Hospital No. 11. Volta Rev., 1944, **46**: 153–6.—**Klotz, P.** La réhabilitation des mutilés de l'oreille. Rev. ouïe, 1949, **26**: Apr., 10–2.—**Livingstone, G.** The treatment of deafness in recruits. Med. Press & Circ., Lond., 1941, **206**: 190–2.—**Perwitzschky, R.** Die Kriegsverletzungen und -schädigungen des Gehörorgans; ihre Behandlung und Prognose. Med. Welt, 1939, **13**: 1453; 1475.—**Rutenburg, D. M.** Boevye travmy ukha i ikh khirurgićeskoe lećenie. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 4–6.—**Van de Water, M.** Teaching war deaf and blind. Science News Lett., 1944, **45**: 106–8.

HEARING aid.

Amano, N., & Hukuyama, K. [Vergleichende Untersuchungen über die Funktion verschiedener Hörapparate] Bull. Nav. M. Ass., Tokyo, 1938, **27**: 369–76.—**Electric** hearing aids. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 25.—**Evans-Jones, M.** Wartime invention helps deaf children. Calcutta M. Rev., 1946, **13**: 110–2.—**Hearing** aids for Army. Army Navy Reg., 1943, **64**: No. 3327, 3.—**Halm, T.** A hallásjavító készülékek az audiologus szemszögéből. Honvédorvos, 1950, **2**: 102–5.—**Howard, J. C.,** jr. Hearing aids. U. S. Nav. M. Bull., 1945, **44**: 117–20.—**McCracken, G. A.** Ear molds for hearing aid appliances. Bull. U. S. Army M. Dep., 1945, **4**: 567–70.—**Thompson, E. A.** Testing of hearing and fitting of hearing aids. U. S. Nav. M. Bull., 1946, Suppl., 216–25.

HEART.

See also **Cardiology; Cardiovascular system; Diphtheria,** Pathology; **Disease**—by organs: Cardiovascular system; **Endocarditis; Medical examination,** Cardiovascular system.

Henschen, C. La ressuscitation du coeur et du cerveau. Gior. med. mil., 1947, **94**: 265–7.—**Kenedi, I.** Panaszmentes sportolókon észlelt kóros EKG-görbék. Honvédorvos, 1950, **2**: 567–76.—**Meisinger, G. F.** Functional heart and circulatory model. Hosp. Corps Q., 1944, **17**: No. 5, 97–100.

—— Abnormity.

Caplan, S. M. Dextrocardia with situs inversus; report of eight cases with a review of the literature on dextrocardia. U. S. Nav. M. Bull., 1946, **46**: 1011–6.—**Stubenbord, W. D.** Dextrocardia in association with a short P-R interval with prolongation of the QRS complex. Ibid., 412–6.

—— Aneurysm.

Bresnahan, J. F., & Gottlieb, A. M. Aneurysm of the left ventricle of the heart; 2 cases. Med. Bull. Veterans Admin., 1941–42, **18**: 363–72.—**Figarola Infante, T.** Aneurisma de la aurícula izquierda. Rev. san. mil., Habana, 1943, **7**: 32–8.

—— Arrhythmia.

Graybiel, A., & Dawe, C. J. Auricular fibrillation resulting from hypothermia; a case report. 6 l. 27cm. Pensacola, 1948.

Forms Rep. No. 3, Proj. No. NM 001 019, Res. Rep. U. S. Nav. School Aviat. M.

McNamara, B. P., Stabile, D. E., & Wills, J. H. The effect of TEPP and atropine on the induction of ventricular fibrillation by epinephrine. 7p. 26½cm. Army Chem. Cent., 1949.

Forms No. 224, Rep. Med. Div. Chem. Corps U. S. Army.

Brofman, B. L. Mitral stenosis with auricular flutter. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: No. 4, 45–7.—**Collins, V. J.** Cardiac arrythmias accompanying use of whole blood. Bull. U. S. Army M. Dep., 1947, **7**: 903–5.—**Eichert, H.** Potassium acetate therapy in paroxysmal auricular fibrillation. U. S. Nav. M. Bull., 1946, **46**: 405–11.—**Griffith, G. C.** Use of paredrine hydrobromide; parahydroxy-α-methyl-phenylethylamine hydrobromide in control of cardiac arrhythmias with a review of the literature. Ibid., 1945, **44**: 284–99.—**Mortensen, H. V.** Le cardiopatie e l'assicurazione vita; le aritmie. Ann. med. nav., Roma, 1949, **54**: 357–61.

—— Disability.

See also **Medical examination,** Cardiovascular system.

Cottle, R. I., jr. Cardiac abnormalities among recruit candidates. U. S. Nav. M. Bull., 1949, **49**: 946–9.—**Eanes, R. H., McGill, K. H., & Clark, M. L.** Cardiovascular defects in Selective Service registrants. Am. Heart J., 1946, **32**: 504–14.—**Hyman, A. S.** Asymptomatic heart disease; observations made during the early recruiting period for navy and marine enlistments. Am. J. Med., 1948, **5**: 351–64.—**Markson, D. E., & Gethner, M. P.** An analysis of cardiac abnormalities in 460 selectees. Illinois M. J., 1942, **82**: 350–4.—**Mitchell, W. G.** Functional heart disease in the examination of candidates for naval aviation. U. S. Nav. M. Bull., 1942, **40**: 834–9.—**Reicker, H.** Cardiac disabilities. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 69–74.

—— Disease [incl. tumor]

Arjev, M. Poroki serdca (vitia cordis) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 763–9.—**Braun, W., & Hoffmann, G. T.** Metastatic tumor in the heart; report of a

case. U. S. Nav. M. Bull., 1948, 48: 275–7.—**Brown, M. G.** Cardiac problems in a station hospital. Am Heart J., 1944, 27: 565–7.—**Camelin, Darbon** [et al.] Thrombose intracardiaque des cavités droites. Bull. Soc. méd. mil. fr., 1949, 43: 124. ——— **Garnung, H.** [et al.] A propos du rétrécissement mitral pur, sans signes radiologiques. Ibid., 42–4.—**Cañedo, R.** Estenosis mitral afona. Rev. san. mil., Habana, 1944, 8: 109–14.—**Delaney, J. H., Miller, S. I.** [et al.] Valvular heart disease; previously unrecognized in military medical examinations. J. Am. M. Ass., 1943, 123: 884–6.—**East, T.** Le cardiopatie e l'assicurazione vita, i vizi valvolari. Ann. med. nav., Roma, 1949, 54: 356.—**Edwards, J. C.** Cardiac problems in a general hospital overseas. South. M. J., 1946, 39: 359–66.—**Galli, G.** I vizi valvolari organici del cuore in tempo di pace e di guerra. Rass. clin. sc., 1940, 18: 67–70.—**Glushien, A. S., & Greer, J. A.** The syndrome of Bernheim. Med. Bull. Veterans Admin., 1943–44, 20: 277–86.—**Hoffmann, E.** Einige Beobachtungen von angeborenen Herzfehlern bei Soldaten. Veröff. Heer. San., 1939, No. 108, 174–99.—**King, J. T.** Cardiac disorders in an Army general hospital. J. Missouri M. Ass., 1944, 41: 197–200.—**Lahilonne, P.** Sur deux cas de maladie de Fallot. Rev. méd. nav., Par., 1946, 1: 285–9.—**Meister, P.** Die pathologischen Herzbefunde. Vjschr. schweiz. Sanitätsoff., 1946, 23: 25–42.—**Milders, H. D. E.** La cardiopatie e l'assicurazione vita; i vizi valvolari. Ann. med. nav., Roma, 1949, 54: 355.—**Möller, F.** Analys av de under beredskapstiden å Garnisonssjukhuset i Sollefteå observerade militära hjärtfallen. Tskr. mil. hälsov., 1948, 73: 173–6.—**Roth, O.** Formen, Bewertung und Behandlung der Herzstörungen im Militärdienst. Helvet. med. acta, 1941, 8: 752–79. Also Schweiz. med. Wschr., 1942, 72: 369.—**Shaw, C. C.** Heart disease in middle age. U. S. Nav. M. Bull., 1942, 40: 579–90.—**Silva Rebello, O.** Fundo de olho e cardiologia. Arq. brasil. med. nav., 1947, 8: 1143–54.—**Terzani, A.** Incidenza delle cardiopatie valvolari nei militari ricoverati. Boll. Accad. med. pistoiese, 1941, 14: 245–7. Also Gior. med. mil., 1942, 90: 498–500.—**Traum, A. H.** Interauricular septal defect with mitral stenosis, Lutembacher's syndrome. Med. Bull. Veterans Admin., 1943–44, 20: 274–6.—**Valvular** disease of the heart. Bull. Army M. Dep., Lond., 1944, No. 38, 5.—**Vidal Ríos, O.** Cardiopatías y secreciones internas. Rev. españ. med. cir. guerra, 1945, 7: 270–4.—**Votchal, B.** Serdečno-legočnyi sindrom. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 65–8.—**Walker, R. H.** Primary sarcoma of the heart; a case report. U. S. Nav. M. Bull., 1949, 49: 878–83.—**White, P. D.** The soldier and his heart. Bull. N. England M. Center, 1940, 2: 275. ——— Cardiac problems in war time. Ann. Int. M., 1943, 18: 323–31.

—— Disease—in veterans.

Beardsley, L. G. Error in cardiac diagnosis, with far-reaching consequences. Med. Bull. Veterans Admin., 1942–43, 19: 348–50.—**Lueth, H. C.** Cardiac aspects in the care of veterans. Bull. Chicago Heart Ass., 1946, 24: 1–12.—**Reisinger, J. A., & Wilcox, B. B.** Statistical study of heart diseases. Med. Bull. Veterans Admin., 1941–42, 18: 351–62.—**Silver, S. L., & Baker, L. A.** Reexamination of veterans discharged because of heart disease or hypertension. J. Am. M. Ass., 1946, 130: 136–43.

—— Effort syndrome.

See **Heart neurosis.**

—— Examination.

See also **Medical examination**, Cardiovascular system; also such terms as **Electrocardiography**, etc.

Dal Prà, L. Cateterismo del cuore ed angiocardiografia. Ann. med. nav., Roma, 1949, 54: 121–6, pl.—**De Niederhäusern, A., & Moruzzi, G.** Osservazioni sui metodi sfigmografici per la determinazione della gettata sistolica nell'uomo. Gior. med. mil., 1943, 91: 343–80.—**Rósa, L.** Az elektromos systole hosszának kórjelző értékéről. Honvédorvos, 1950, 2: 344–7.—**Sherman, C. F.** Radiologic measurement of the heart. Med. Bull. Veterans Admin., 1943–44, 20: 1–5.—**Thiele, W. H.** Roentgenography in cardiology. Ibid., 1942–43, 19: 137–40.

—— Failure.

See also other subheadings.

DeGraff, A. C. Management of cardiac failure. 11p. 27cm. Wash., 1948.

Forms Techn. Bull. TB 10–44, U. S. Veterans Admin. Also Change 1. 1p. 1948.

Brown, M. G. The physiological approach to congestive heart failure. Mil. Surgeon, 1949, 105: 56–60.—**Constantinescu, C. D.** Insuficienţa mitrală considerată din punct de vedere medico-militar. Rev. san. mil., Bucur., 1936, 35: 149–57.—**Douglas, A. H.** Medical management of cardiac failure. U. S. Nav. M. Bull., 1949, 49: 253–8.—**Green, J. R., & Patterson, G. S.** Use of maintenance mercurials in cardiac failure. Mil. Surgeon, 1948, 103: 354–6.—**Smith, W. H., & Gold, H.** A case of congestive heart failure. Bull. U. S. Army M. Dep., 1948, 8: 320–3.

—— Hypertrophy [& enlargement]

See also **Hypertension.**

Clariá Olmedo, A. Agrandamiento del corazón de etiología imprecisa sin signos clínicos de descompensación. Rev. san. mil., B. Air., 1946, 45: 1204–15.—**Filippone, J. F., & Fradkin, N. F.** Acute cardiac enlargement complicating respiratory infections; report of 3 cases. Med. Bull. North Afr. Theater U. S., 1944, 2: 136–40.—**Norris, R. F., & Siegler, A. M.** Hypertrophy of the heart of unknown cause in young adults; report of two additional cases. U. S. Nav. M. Bull., 1949, 49: 523–7.

—— Myocardium.

Bauer, W. A. Toxic myocarditis. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, 1: No. 2, 4–7.—**Büchner, F.** Durchblutungsstörungen des Herzmuskels (nach Beobachtungen bei der Truppe) Vjschr. schweiz. Sanitätsoff., 1943, 20: 88.—**Fischer, W.** Ueber eine eigenartige Form von Myokarditis und die Frage der Wehrdienstbeschädigung. Deut. Militärarzt, 1943, 8: 275–9.—**Garland, L. H.** Myocardial infarction; roentgen diagnosis. U. S. Nav. M. Bull., 1945, 45: 89–96.—**Graef, I.** Infarction of the auricle. Bull. U. S. Army M. Dep., 1948, 8: 481–4.—**Henrion & Jarniou.** Un cas d'infarctus du myocarde post-traumatique tardif. Bull. Soc. méd. mil. fr., 1949, 43: 132.—**Jones, B. C.,** jr, **& Strauch, J. H.** Myocardial infarction at the age of 21; report of a case. U. S. Nav. M. Bull., 1949, 49: 517–22.—**Ketterer, C. H.** The prognosis of myocardial infarction. Med. Bull. Veterans Admin., 1942–43, 19: 134–6.—**Kistin, A. D., & Mazer, M.** Current practice in cardiovascular diseases; the treatment of acute myocardial infarction. Ibid., 369–84.—**Kurshakov, N.** Grudnaja žaba (angina pectoris; stenocardia) In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 267–71.—**Masimo, T.** Gunmu-tyū no sinkin syōgai ni tuite [Myocardosis in active military service] Nippon zyunkanki byogaku, 1938–39, 4: 229.—**Máté, I.** A szívizomlaesio fogalma, kritikája és értéke. Honvédorvos, 1950, 2: 337–43.—**Mauvais, R., & Lucquin, J.** Les troubles cardio-vasculaires au cours de la myopathie chronique. Bull. Soc. méd. mil. fr., 1947, 41: 122–4.—**Quinn, R. W.** Spontaneous rupture of the right ventricle. U. S. Nav. M. Bull., 1943, 41: 507–12.—**Ratte.** Infarctus post-opératoire du myocarde; injections intraveineuses de novocaïne. Bull. Soc. méd. mil. fr., 1948, 42: 92.—**Ruchelli, A. P., & Marra, J. A.** Infarto de miocardio en un conscripto. Rev. san. mil., B. Air., 1942, 41: 444.—**Schöndube, W.** Myokardinfarkt bei einem 20 jährigen Soldaten. Deut Militärarzt, 1942, 7: 684–7.—**Simmons, W. K., & Wolfson, S. A.** Cardiac strain; myocardial infarction without coronary artery disease; case report. Mil. Surgeon, 1944, 95: 33–7.—**Steigmann, F., & Glassner, F.** Acute myocardial infarction in men below forty. Ibid., 1946, 99: 177–81.—**Turuoka, S.** Naiin-teki gen-in ni yoru kyūsi rei no byōrikaibō-sosiki-gaku-teki kenkyū, toku-ni sono sinzō syoken ni ippan kan-situ-sei sinkin-en to no hikaku kōsatu ni tuite [Sudden death due to internal causes, especially observations on the hearts of such cases, and comparative observations on interstitial myocarditis in general] Gun idan zassi, 1943, 904–20.—**Via, E., & Dottori, G.** Contributo al valore della chimografia e della elettrocardiografia nello studio dell'infarto del miocardio. Gior. med. mil., 1948, 95: 13–29.—**Walthard, B.** Herzmuskelerkrankungen und Coronarsklerose; ihre Beziehungen zu Militärdienstleistungen. Praxis, Bern, 1943, 32: 479–85.—**Weinberg, H. B., Ochs, L.,** jr, **& Chesnick, R. B.** Myocardial infarction and/or fatal coronary disease in young soldiers. J. Iowa M. Soc., 1947, 37: 56–64.

—— Pericardium.

Allison, S. T., & Loughlin, E. H. Acute suppurative pericarditis; successfully treated with intrapericardial penicillin and systemic chemotherapy. U. S. Nav. M. Bull., 1945, 44: 383–6.—**Boch, J.** Pick's disease with tuberculosis in several sites. Med. Bull. Veterans Admin., 1940–41, 17: 418–20.—**Erskine, E. B.** Treatment of pericardial effusion with ephedrine. U. S. Nav. M. Bull., 1942, 40: 973–5.—**Faria, R.** Sôbre um caso de pericardite purulenta tratado pela penicilina local. Rev. med. mil., Rio, 1946, 35: 79–82.—**Germain, A., Marty, J., & Chochon, E.** Sur un cas de diverticule probable du péricarde. Bull. Soc. méd. mil. fr., 1946, 40: 110.—**Hines, R. E., & Nolan, D. E.** Primary endothelioma of the pericardium. Med. Bull. Veterans Admin., 1942–43, 19: 82–4.—**Hoffman, H. L., & Colver, T.** Chronic constrictive pericarditis. J. R. Nav. M. Serv., 1941, 27: 288–90.—**Kern, R. A., & Godfrey, E. W.** Pneumohydropericardium; a report of 3 cases. U. S. Nav. M. Bull., 1943, 41: 1001–11.—**Kistin, A. D.** Chronic constrictive pericarditis treated by pericardiectomy. Med. Bull. Veterans Admin., 1943–44, 20: 67–71.—**Matlage, W. T.,** jr. Chronic constrictive pericarditis; report of a case. U. S. Nav. M. Bull., 1945, 45: 328–30.—**Mueller, C. F.** Pick's syndrome. Med. Bull. Veterans Admin., 1942–43, 19: 219.—**Pascual Volpi, J., & Olascoaga, M. L.** Divertículo del pericardio. Rev. san. mil., B. Air., 1945, 44: 708–16.—**Smith, L. B., & McHugh, W. P.** Intrapericardial use of penicillin. Bull. U. S. Army M. Dep., 1945, No. 89, 106–9.—**Templeton, C. W.** Purulent pericarditis; combined surgical and penicillin treatment. J. R. Army M. Corps, 1947, 89: 44–7.

—— Rheumatism.

See also **Rheumatism.**

Camelin, A., Pellerat, J. [et al.] Péricardite rhumatismale primitive, action d'un salicylate retard intraveineux. Bull. Soc. méd. mil. fr., 1948, **42**: 84.—**Claiborne, T. S.** Rheumatic fever and rheumatic heart disease in a general hospital in North Africa. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 5 8.—**Farádi, L., & Hähn, E.** Rheumás szívmegbetegedések és munkaképesség. Honvédorvos, 1950, **2**: 285–92.—**Henrion & Jarniou.** Endomyocardite rhumatismale sévère et prolongée traitée avec succès par l'association pénicilline-salicylate de soude. Bull. Soc. méd. mil. fr., 1949, **43**: 133.—**Picatoste, R.** Consideraciones sobre algunas formas oligosintomáticas de la enfermedad reumática y su importancia en la profilaxis de las cardiopatías. Rev. españ. med. cir. guerra, 1943–44, 2. epoca, **6**: 395–7.—**Valats, A.** Rhumatisme cardiaque évolutif; traitement par l'acétate de désoxycorticostérone. Bull. Soc. méd. mil. fr., 1947, **41**: 45.—**Verstandig, C. C.** Valvular heart disease (rheumatic) in rejectees; survey of 100,000 cardiac examinations performed at the New Haven Recruiting and Induction Station. Connecticut M. J., 1946, **10**: 304–6.—**Weber, M. L., & Berk, M.** Coronary thrombosis in rheumatic heart disease; report of a case and statistical review. Med. Bull. Veterans Admin., 1942–43, **19**: 67–70.

—— Surgery.

See under **Surgical technic.**

—— Tachycardia.

Binet, L., & Strumza, M. V. La tachycardie postanoxique. Méd. aéronaut., 1947, **2**: 385–8.—**Bishop, L. F.,** jr, **& Kimbro, R. W.** Short P–R interval with prolonged QRS complex associated with paroxysmal tachycardia. Mil. Surgeon, 1944, **95**: 153–5.—**Cañedo, R.** Taquisistolia auricular. Rev. san. mil., Habana, 1944, **8**: 39–50.—**Hollingsworth, E. W.** Ventricular paroxysmal tachycardia; with report of a case. Med. Bull. Veterans Admin., 1932–33, **9**: 309–13.—**Needels, L. J.** Apomorphine in paroxysmal tachycardia. U. S. Nav. M. Bull., 1944, **42**: 1282.

HEART block.

De Feo, H. F. Complete heart block with Stokes-Adams syndrome; a case report. Mil. Surgeon, 1948, **103**: 265–70.—**Fisch, C.** Complete heart block; a study of two cases in veterans of World War II. N. England J. M., 1948, **238**: 589–92.—**Germain, A., & Marty, J.** Dissociation auriculo-ventriculaire, avec périodes de Luciani-Wenckebach, d'origine neurotonique simple. Bull. Soc. méd. mil. fr., 1948, **42**: 35.—**Harvill, T. H.** Transient complete heart block in a 17-year-old male. U. S. Nav. M. Bull., 1945, **44**: 1263–8.—**Ketterer, C. H., & Barnett, R. N.** Paroxysmal bundle-branch block, without other evidence of cardiac disease. Med. Bull. Veterans Admin., 1941–42, **18**: 449–51.—**Mauvais, R., & Lucquin, J.** Présentation d'électro-cardiogramme; block de la branche droite. Bull. Soc. méd. mil. fr., 1947, **41**: 124.—**Nolan, D. E.** Digitalis in auriculo-ventricular block. Med. Bull. Veterans Admin., 1942–43, **19**: 389.—**Szerreiks, E.** Ein Fall von totalem Herzblock ohne Leistungsminderung bei vollem aktiven Militärdienst. Deut. Militärarzt, 1936, **1**: 380–3.—**Turner, L. B.** Asymptomatic congenital complete heart block in an Army Air Force pilot. Am. Heart J., 1947, **34**: 426–31.

HEART injury.

See also **Injury; Thoracic injury; Wound.**

Cholkov, B. Wounds of the heart. Bull. War M., Lond., 1941–42, **2**: 278 (Abstr.)—**Cuadrado, F.** Sobre la dificultad del diagnóstico de las heridas del corazón. Rev. españ. med. cir. guerra, 1939, **2**: 76–81. ——— Consideraciones a las heridas de corazón y pericardio, con dos casos de observación personal. Ibid., 373–83.—**Dzhanelidze, J.** Serdce; ognestrelnye ranenija serdca. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 89–94, 2 pl.—**Gillesby, W. J.** Cardiac tamponade; report of stab wound in the right ventricle. Mil. Surgeon, 1944, **95**: 284–7.—**Goldman, L.** The functional state of the cardio-vascular system after wounds of the heart. Bull. War M., Lond., 1941–42, **2**: 279 (Abstr.)—**Holubec, K., & Tolar, V.** Zur Prognose der Herzverwundung. Ibid., 1942–43, **3**: 138 (Abstr.)—**Ivanickaia, M.** Serdce; rentgenodiagnostika ranenij serdca. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 95–7, 2 pl.—**Ivanov, K. P.** Elektrokardiografićeskie nabljudenija pri ranenijakh serdca. Klin. med., Moskva, 1948, **26**: No. 7, 70–5.—**Klugman, G. A.** Slučaj gnojnogo perikardita na počve isolirovannogo ranenija perikarda. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 283.—**Martiarena, L. H.** Las heridas del corazón en la guerra. Congr. chileno cirug. (1944) 1945, 6. Congr., 231–7.—**Master, A. M.** Cardiovascular injuries in the war. Mil. Surgeon, 1944, **94**: 265–8.—**Máté, I.** Adatok a szúrás okozta szívizomsérülések EKG-kórisméjéhez. Honvédorvos, 1950, **2**: 151–6.—**Müglich, H.** Stichverletzung des rechten Herzvorhofes. Deut. Militärarzt, 1940, **5**: 264–8.—**Neff, G.** Geheilte Herzverletzungen; das Elektrokardiogramm bei Herzverletzungen. Bull. War M., Lond., 1942–43, **3**: 262 (Abstr.)—**Ohnesorge, G.** Herzschussverletzung im Elektrokardiogramm. Deut. Militärarzt, 1942, **7**: 272–5.—**Petrovsky, B. V.** Ognestrelnye ranenija serdca i perikarda po dannym frontovogo hospitalja. Khirurgia, Moskva, 1948, No. 10, 43–50.—**Rehn.** Krankenvorstellungen aus dem Gebiet der Herz- und Gefäßschüsse. Klin. Wschr., 1942, **21**: 979. Also Med. Klin., Berl., 1942, **38**: 1151.—**Ronka, E. K. F., & Roe, W. F.** Cardiac wound caused by the spine of the stingray (suborder-Masticura); report of a case with a descriptive comment on the stingray (suborder-Masticura) Mil. Surgeon, 1945, **97**: 135–7.—**Ryvlin, J. B.** Udalenie inorodnykh tel iz serdca pri svežikh ognestrelnykh ranenijakh. In: Voen. med. leningr. fronte (Russia. Armija. Glavn. voen. san. upravl.) Moskva, 1946, 136–40.—**Samson, P. C.** Two unusual cases of war wounds of the heart. Surgery, 1946, **20**: 373–81. ——— Battle wounds and injuries of the heart and pericardium; experiences in forward hospitals. Ann. Surg., 1948, **127**: 1127–49.—**Stoianov, K.** Izvaždane na ćuždo tialo ot serceto. Lek. pregl., Sofia, 1949, **11**: 27–32.—**Teneff, S.** Le ferite d'arma da fuoco del pericardio e del cuore. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 866–81.—**Turner, G. G.** Gunshot wounds of the heart. War Med. Sympos., N. Y., 1942, 154–63.—**Urrutia, J. M.** Heridas penetrantes del corazón; variaciones en el registro electrocardiográfico; proceso cicatrizal; trabajo experimental en el perro. Rev. san. mil., B. Air., 1941, **40**: 903–22.—**Wood, P.** War wounds of the heart. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 23–5.

—— Foreign body.

See also **Foreign body,** gunshot; **Surgical technic,** Heart.

Griessmann, H. Embolische Verschleppung eines Granatsplitters in das rechte Herz. Deut. Militärarzt, 1943, **8**: 346–8.—**Holman, E.** Gunshot wounds of the heart; subsequent removal of foreign bodies; 2 case reports. U. S. Nav. M. Bull., 1942, **40**: 951–4.—**Myers, C. C., & Mader, J. W.** Gunshot wound of the heart; foreign body in unusual location. Ibid., 950, 4 pl.—**Schaefer, W. B., & Satinsky, V. P.** Removal of shell fragment from left ventricle of the heart; report of a case. Arch. Surg., 1946, **53**: 13–23.—**Wachner, G.** Ungewöhnliche Fremdkörperlokalisation (Perikardsteckschuss) In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 312–20.—**Wiciński, Z.** Przypadek uwięźnięcia odlamka bomby w mięśniu sercowym. Lek. wojsk., 1949, **25**: 101–6.—**Zukschwerdt, L.** Gun shot wound of heart with removal of bullet. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: 10–4.

HEART neurosis.

See also **War neurosis.**

ARONOVITCH, M. Recruit selection in relation to effort syndrome. 26p. 28cm. Ottawa[?] 1944[?]

Forms No. C-6081, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

HOFF, H. E., BROWNE, J. S. L., & STANSFIELD, H. A study of the metabolic, physiological, and psychiatric manifestations of effort syndrome. 13p. 28cm. Ottawa[?] 1944[?]

Forms No. C-6080, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Ross, W. D. Psychiatric aspects of effort syndrome. 3, 12p. 28cm. Ottawa[?] 1944[?]

Forms No. C-6082, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Adlercreutz, E. On the neurocirculatory syndrome (neurocirculatory asthenia) in soldiers. Acta med. scand., 1945–46, **123**: 219; 303. Also Nord. med., 1944, **22**: 942 (Abstr.)—**Baach, M.** Beziehungen zwischen Herderkrankung und Herzneurose? Deut. Militärarzt, 1940, **5**: 405–9.—**Baker, D., & Tegner, W. S.** Effort syndrome at an Army physical development centre. J. R. Army M. Corps, 1945, **84**: 232–4.—**Bermann, G.** El síndrome de esfuerzo durante la guerra. Index neur. psiquiat., B. Air., 1942, **3**: 155–67.—**Bishop, L. F.,** jr. Soldier's heart. Am. J. Nurs., 1942, **42**: 377–80.—**Donati, G.** Il lavoro fisico e l'emozione nella patogenesi del cuore di guerra. Gior. med. mil., 1947, **94**: 345–70.—**Elphinstone, M. D. W.** Effort syndrome in West African soldiers. Brit. M. J., 1945, **2**: 134.—**Forbes, J. R.** Effort syndrome. J. R. Nav. M. Serv., 1944, **30**: 163–70.—**Goddard, D. L. H.** Effort syndrome in the West African soldier. Brit. M. J., 1945, **1**: 908–10.—**Hoff, H. E.** Effort syndrome; interim report. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6155, 1–3.—**Hull, E.** The heart of the soldier. Tristate M. J., 1942–43, **15**: 2824–6.—**Jones, M.** Effort intolerance or neurocirculatory asthenia in soldiers. J. Canad. M. Serv., 1944–45, **2**: 17–25. ——— & **Scarisbrick, R.** The effect of exercise on soldiers with neurocirculatory asthenia. Psychosomat. M., 1946, **8**: 188–92.—**Kurtisch, E.** Rhythmuswechsel im Ekg. als Ermüdungserschcinung. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 290–302.—**LeBlond, S.** Le coeur du soldat. Laval méd., 1943, **8**: 545–52.—**Mackenzie, J.** The soldier's heart. In: Oxford Med. (Christian, H. A.) N. Y., 1940, **2**: 449–54.—**Pisani, S.** Sul cuore dei combattenti. Boll. Accad. med. pistoiese, 1941, **14**: 249–73.—**Risak, E.**

Ueber das nervöse Soldatenherz. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 245–64.—**Starr, I.** Studies on the circulation of draftees rejected for neurocirculatory asthenia. Tr. Ass. Am. Physicians, 1944, **58**: 138–42.—**Vander Veer, J. B.** Anxiety neurosis manifested by cardiovascular symptoms (neurocirculatory asthenia) Med. Clin. N. America, 1944, **28**: 1509–15.—**Willius, F. A.** Cardiac clinics; cardiac neurosis and the war. Proc. Mayo Clin., 1942, **17**: 462. Also Spanish transl., Prensa méd. argent., 1943, **30**: 724.—**White, P. D.** The soldier's irritable heart; certain observations of interest. J. Am. M. Ass., 1942, **118**: 270. ——— Neurocirculatory asthenia, Da Costa's syndrome, effort syndrome, irritable heart of soldiers. Mod. Concepts Card. Dis., 1942, **11**: No. 8, 1.

HEART sound [incl. murmur]

Arkless, H. A. Cervical murmurs with normal hearts. Mil. Surgeon, 1946, **99**: 210.—**Barroso, M. C.** Novo aparelho para a semiótica cardio-vascular, o semiocardiófono; fundamentos teóricos e aplicação prática. Rev. med. mil., Rio, 1943, **32**: 477–99. ——— Valor clínico dos sopros sistólicos e aptidão para o serviço do Exército. Ibid., 1944, **33**: 319–38. **Chireikin, I. K.** [V. N. Siroginin's symptom. Aortic systolic murmur, in recruits] Klin. med., Moskva, 1930, **8**: 205–8.—**Lebbetter, T. A.** Cardiac murmurs; their significance in serving soldiers and recruits. J. Canad. M. Serv., 1943–44, **1**: 220–9.—**Lewis, J. S.** The recruit's heart; reduplication of the first sound; heart strain and a new method of calibration. Am. Heart J., 1945, **30**: 447–58.—**Master, A. M.** Evaluation of systolic murmurs. U. S. Nav. M. Bull., 1944, **42**: 307–15.—**Merrill, J. P.** Auscultatory variations in routine cardiac examination. Mil. Surgeon, 1948, **102**: 487–93.—**Mitchell, W. G.** The clinical evaluation of heart murmurs in the examination of candidates for naval aviation. Texas J. M., 1942–43, **38**: 217–9.—**O'Meara, P. J.** Systolic murmurs in healthy hearts, based on a study of 1,000 naval recruits. J. R. Nav. M. Serv., 1947, **33**: 8–16.—**Parker, R. C., & White, B. V.** Aids to evaluation of systolic heart murmurs in the selection of naval personnel. U. S. Nav. M. Bull., 1944, **42**: 87–99.—**Pollock, B. E., & Leedham, C. L.** The place of the phonocardiograph in military medicine. Mil. Surgeon, 1949, **105**: 117–28.—**Schwab, L., Smiley, G. L., & Meyn, W. P.** Xiphosternal crunch; an analysis of 106 cases among 3,224 Army separatees. Ann. Int. M., 1949, **31**: 228–34.—**Solis-Cohen, M.** The xiphosternal crunch and its incidence in healthy inductees. Am. J. M. Sc., 1945, **210**: 333–42.—**Walter, A. B.** The physiological systolic murmur. J. Canad. M. Serv., 1943–44, **1**: 20–6.

HEAT.

See also **Desert; Fatigue,** tropical; **Tropical service;** also **Environmental hygiene.**

Great Britain. Inter-Service Topographical Department. The effect of heat and humidity on troops in the Far East. 12 l. 34cm. [n. p.] 1945.

Johnson, C. A. Effects of heat on skin and body temperature under low altitude flying conditions. 4 l. 27cm. Dayton, 1943.

Forms No. ENG–49–698–16, Memo Rep. Aero M. Laborat. U. S. Air Force.

Mead, J., Bader, M. E., & Pillion, M. E. The rapidity of digital skin temperature and blood flow alterations in men exposed to sudden changes in environmental temperature. 12p. 27cm. Lawrence, 1949.

Forms No. 158, Envir. Protect. Sect. Rep. (U. S. Quartermaster Gen.)

—— The effect of local thermal influences on blood flow through the fingers in various states of body heat balance. 14p. 27cm. Lawrence, 1949.

Forms No. 159, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Newburgh, L. H. Responses of the human being to dry and humid heat. 4p. 28cm. Wash., 1943.

Forms No. 109, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Armored Medical Research Laboratory. Project No. 2: Operations at high temperatures; report on Sub-Project No. 2–11, influence of high temperatures upon the efficiency of personnel. v. p. 28cm. Fort Knox, 1943.

Ability of soldiers to work in humid heat. Res. Program U. S. Army M. Res. Bd, 1946, July, 112.—**Behnke, A. R.** Studies of the effects of high and low temperatures. Sympos. Mil. Physiol., Wash., 1947, 57.—**Brody, S.** Climatic factors and work capacity. Q. Project Summary Off. Nav. Res., 1948, July 403.—**Buettner, K., & Richey, E. O.** A study of the effects of extreme heat on man. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 10; 1949, Jan., 18.—**Conn.** Ability of soldiers to work in humid heat. Res. Program U. S. Army M. Res. Bd, 1947, July, 99.—**Machle, W.** The physiological effects of high temperatures. Mil. Surgeon, 1944, **95**: 98–105.—**Meitner.** Metabolism of energy under the influence of heat. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 374.—**Pitts, G. C., Johnson, R. E., & Consolazio, F. C.** Work in the heat as affected by intake of water, salt, and glucose. Clin. Invest. Rep. (OSRD) Wash., 1944, No. 44, 1.—**Robinson, S., Turrell, E. S., & Gerking, S. D.** The effects of hot environments on men. Ibid., No. 49, 1–15, 9 ch.—**Rothstein, A., & Gosselin, R. E.** Rates of sweat loss in the desert. Ibid., No. 37, 1–20.—**Talso, P. J., & Clarke, R. W.** Observations on physiological problems in desert heat, Task Force Furnace, Yuma, Arizona. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 2, 1–23.—**Taylor, C. L.** Physical exertion in the heat: some notes on its physiology and hygiene. J. Aviat. M., 1946, **17**: 137–45.—**Turrell, E. S., & Robinson, S.** Studies of the physiological effects of solar radiation. Clin. Invest. Rep. (OSRD) Wash., 1944, No. 47, 1.

—— Clothing.

See also **Exposure suit; Fire protection; Tropical service,** Clothing.

Buettner, K. Effects of extreme heat on man; protection of man against conflagration heat. 18p. 26½cm. Randolph Field, 1950.

Forms Rep. No. 1, Proj. No. 21–02–103, U. S. Air Force School Aviat. M.

Gerking, S. D., & Robinson, S. A critical comparison of experimental jungle boots. Clin. Invest. Rep. (OSRD) Wash., 1944, No. 46, 1.—**Robinson, S., & Turrell, E. S.** The effects of variations in the weight of shoes on men's efficiency in walking in the heat. Ibid., 1943, No. 30, 1. ——— **& Gerking, S. D.** Physiological studies of clothing for men working in humid heat. Ibid., No. 19, 1; No. 28, 1; 1944, No. 32, 1, No. 48, 1. ——— Studies of nylon and cotton clothing for men working in humid heat. Ibid., 1944, No. 33, 1. ——— Suggested plan for field tests of water-repellent clothing. Ibid., No. 45, 1.

—— Death.

See also **Burns.**

Buettner. Death caused by exposure to excessive heat, and from combustion. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 130; Disc., 134–6.—**Ponsold.** Death from exposure to excessive heat. Ibid., 132; Disc, 134–6.

—— Dehydration.

See also **Dehydration; Heat stroke.**

Adolph, E. F. Water relations of man in the desert. Clin. Invest. Rep. (OSRD) Wash., 1944, No. 58, 1. ——— **Brown, A. H.** [et al.] Survival time of men without water in the desert. Ibid., No. 39, 7, 4 map.—**Rothstein, A., & Adolph, E. F.** Voluntary dehydration. Ibid., No. 40, 1–13.—**Wills, J. H.** Attempted relief of distress in dehydrated men by certain drugs. Ibid., 1943, No. 36, 1–5.

—— Hygienic measures.

Griffith, R. S., & White, J. M. Evaluation of salt tablets. 13 l. 27cm. Lawrence, 1948.

Forms No. 19, Mem. Rep. Envir. Protect, Sect. (U. S. Quartermast. Gen.)

Spealman, C. R. The effectiveness of partial immersion and periodic immersion in water for cooling men in hot spaces. 6p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–552, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. 2: Operations at high temperatures; report on Sub-Project No. 2–15: Study of the effects of drugs and accessory food factors on efficiency of personnel at high temperatures. v. p. 28cm. Fort Knox, 1943.

United States. War Department. Technical bulletin TB MED 175: Prevention and treatment of adverse effects of heat. 8p. 26cm. Wash., 1945.

—— [The same] Change 1. 2p. 26cm. Wash., 1946.

Cordier, D. Lutte contre la chaleur. In his Probl. méd. guerre, Montréal, 1943, 11–55.—**New** (A) salt tablet for use in hot environments. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 17.—**Prevention** and treatment of adverse effects of

heat. Bull. U. S. Army M. Dep., 1945, 4: 302–4.—**Rosenbaum, L.** Significance of salt (NaCl) in torrid temperatures. Mil. Surgeon, 1946, 98: 43–7.

—— **Pathological effect.**

See also other subheadings (Death; Dehydration) also **Dehydration; Heat stroke.**

Adverse (The) effects of heat. Med. Bull. U. S. First Army, 1949, 4: No. 7, 14–8.—**Brown, A. H., & Towbin, E. J.** Circulatory strains of heat, work, and dehydration. Clin. Invest. Rep. (OSRD) Wash., 1944, No. 50, 1.—**Scholz, W.** Hitzschäden. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 209–15.

—— **Tolerance.**

See also **Heat regulation.**

Taylor, C. L. Human tolerance for short exposures to heat and humidity. 24p. 27cm. Dayton, 1946.

Forms No. TSEAA–695–56B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & Blockley, W. V. Studies of human tolerance for extreme heat. 204p. 26½cm. Dayton, 1948.

Forms No. MCREXD–696–113A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Armored Medical Research Laboratory. Project No. 2: Operations at high temperatures; report on Sub-Project No. 2–11: Influence of high temperatures upon the efficiency of personnel; the upper limits of environmental heat and humidity tolerated by acclimatized, normal, young men working in hot temperatures. v. p. 28cm. Fort Knox, 1944.

—— Project No. 2: Operations at high temperatures; report on Sub-Project No. 2–13: Effect of training upon the efficiency of performance at high temperatures. v. p. 28cm. Fort Knox, 1943.

—— [The same] ... the upper limits of environmental heat and humidity tolerated by acclimatized, normal, young men working in hot environments. v. p. 28cm. Fort Knox, 1944.

—— Project No. 2: Operations at high temperatures; report on Sub-Project No. 2–17: Study of the physiologic effects of high temperatures; the upper limits of environmental heat and humidity tolerated by acclimatized, normal, young men working in hot environments. v. p. 28cm. Fort Knox, 1944.

Yaglou, C. P. Note on tolerance to various high levels of dry bulb temperature and relative humidity. 3 l. 26½cm. Bethesda, 1945.

Forms Res. Proj. X–205, U. S. Nav. M. Res. Inst.

Adolph, E. F. Tolerance of man to heat. Clin. Invest. Rep. (OSRD) Wash., 1945, No. 61, 1–3.—**Jashumova, Z. A.** Individualnye zaśćitnye prisposoblenija dlja raboćikh gorjaćikh cekhov. In: Sborn. nauch. rabot otech. vojny (Leningr. inst. hig. truda) Leningr., 1945, 244–8.

HEAT allergy.

Peters, G. A., & Silverman, J. J. Role of histamine and acetylcholine in the mechanism of heat allergy; report of studies on a soldier. Arch. Int. M., 1946, 77: 526–43.

HEATED clothing.

See under **Clothing,** heated.

HEATER [& heating]

See also **Arctic service,** Clothing; **Burner; Carbon monoxide,** Sources. **Hospital administration,** Heating.

Bright, N. Cold room test of five small stoves to ascertain suitability as components in personal type arctic survival kits. 19 l. 27cm. Dayton, 1949.

Forms No. MCREXD–670–20D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Test of heater, tent, vaporizing, tank type, X–1–1949 (Breese, Inc.) at −65° F. 14 l. 27cm. Dayton, 1949.

Forms No. MCREXD–670–2P, Memo. Rep. Aero M. Laborat. U. S. Air Force.

King, B. G., Draeger, R. H., & Perkins, T. Tests on the H. E. Jones thermit stirring rod heater. 5p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X–489, U. S. Nav. M. Res. Inst.

Yaglou, C. P., Conviser, S. R. [et al.] A study of environmental conditions in Army shelters heated by gasoline stoves and by low temperature floor panels. 13 l. 27cm. Wash., 1948.

Forms No. 1, Progr. Rep. Com. Envir. Hyg. U. S. Army.

Chimneys and draft calculations. In: Heating &c. Guide (Am. Soc. Heat. Engin.) N. Y., 1943, 21: 187–204.—**Ebin, J.** The M–1937 Army field range. Quartermast. Rev., 1943, 23: No. 2, 45; 139.—**Evans, F.** Improvements in the oil and water flash fire. J. R. Army M. Corps, 1942, 78: 260–6.—**Generator** screen for lantern and gasoline stove burners. Bull. U. S. Army M. Dep., 1945, No. 84, 34.—**Gordon, J. E.** Heating of quarters and other U. S. Army installations. In: Prev. Med. in World War II, Wash., 1948, 2: pt 10, 5.—**Heating** facilities. Spec. Ser. U. S. Mil. Intell. Serv., 1943, No. 18, 105–14.—**Hughes, G. S. N.** Experiments in heating in the desert. J. R. Army M. Corps, 1942, 79: 93–6.—**Kawaguti, T., Iehara, K., & Nakamura, S.** Mansyū genkanzi no tai hōtaisyo-nai hoon-setubi ni kan-suru kenkyū [Studies in equipment to preserve the heat in regimental field-dressing stations in the severe cold of Manchuria] Gun idan zassi, 1930, No. 200, 178–88, 2 pl.—**Schmidt-Lange, W.** Schutz gegen Kälte durch Heizung und behelfsmäßige Wärmequellen. Münch. med. Wschr., 1944, 91: 180–3.—**Warner, J. L.** Method of heating a Soyer stove by oil and water flash pan. J. R. Army M. Corps, 1943, 81: 42.

HEAT insulation.

Buettner, K., & Richey, E. O. A study of heat insulation against high temperatures. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 17.

HEAT pad.

Chemical heating pads. Hosp. Corps Q., 1944, 17: No. 3, 79.—**Protection** of heat pads from moisture. Bull. U. S. Army M. Dep., 1945, 4: 42.—**Wethered, R. R.** An electrically heated pad. J. R. Nav. M. Serv., 1943, 29: 213.

HEAT regulation.

See also **Cold exposure,** Physiopathology; **Environment; Fever; Tropical service,** Physiology.

Adolph, E. F., Fairfield, J. [et al.] Study of temperature regulation, heat exchange, and tolerance of man and warm blooded animals on exposure to cold [106]p. 27cm. Dayton, 1948.

Forms No. MCREXD–696–113C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Bazett, H. C. Maintenance of homeothermy in a cold environment. 4p. 28cm. Wash., 1943.

Forms No. 197, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Hall, V. E. Drug effects on temperature regulation, 2–4 dinitrophenol, an interim report. 8 l. 27cm. Dayton, 1948.

Forms No. MCREXD–696–112D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Field, J., & Grant, R. The metabolic activity of the central nervous system as it affects the thermostatic behavior of the body. 93p. 27cm. Dayton, 1948.

Forms No. MCREXD–696–113D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Palmes, E. D., Schachner, H. G. [et al.] Effects of atropine and pilocarpine on human thermoregulation. 5 l. 29cm. Fort Knox, 1948.

Forms Proj. No. 6–64–06–(8) U. S. Army M. Dep. Field Res. Laborat.

Park, C. R., & Palmes, E. D. Thermal regulation during early acclimatization to work in a hot dry environment. 15 l. 29cm. Fort Knox, 1947.

Forms Proj. No. 2–17–1, U. S. Army M. Dep. Field Res. Laborat.

Spealman, C. R., Pace, N., & White, W. A., jr. Heat exchange by way of the respiratory tract; theoretical considerations; relative efficacy for conserving heat loss of the Salathiel Breath Heat Exchanger, A–14 Rubber Mask, wool scarf. 7p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–163, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. 2: Operations at high temperatures; sub-Project No. 2–17: Report on thermal exchanges of man by evaporation, convection, and radiation as functions of temperature, water vapor pressure, and wind velocity. v. p. 28cm. Fort Knox, 1946.

Yamamoto, S. Taion to tai-suibun to no kankei narabi-ni enrui-eki no bussitu-taisya ni kan-surū kenkyū [Studies in the relation between body temperature and body moisture ...] [177]p. 21cm. Tokyo, 1928.
In: Gun idan zassi, 1928, No. 182, 879; No. 184, 1175; No. 185, 1333.

Aschoff, J. Physiologie der Temperaturregulation. FIAT Rev., Wiesb., 1948, Physiol., pt 2, 77–110.—**Bazett.** Maintenance of homeothermia. Clin. Invest. Rep. (NRC) Wash., 1943, No. 16, 2–4.—**Buchanan, A. R., & Hill, R. M.** Myelination and other factors in the hypothalamus in relation to the maintenance of body temperature. Q. Project Summary Off. Nav. Res., 1948, July, 402.—**Herrington,** Relative share of heat loss mechanisms at various environmental temperatures. Clin. Invest. Rep. (NRC) Wash., 1943, No. 16, 5–9.—**Keller, A. D., & Lynch, J. R.** Study of the central nervous control of heat regulations under environmental stresses. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 3, No. 19, 1.—**Newburgh, L. H., Herrington, L. P., & Gagge, A. P.** Limits of human heat regulation. J. Aeronaut. Sc., 1943, **10:** 197–9.—**Palmes, E. D., & Park, C. R.** A method of human calorimetry. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 6, 1–12. ——— & **Park, C. R.** Thermal regulation during early acclimatization to work in a hot dry environment. Ibid., No. 7, 1–15.—**Palmes, E. D., Schachner, H. G.** [et al.] Effects of atropine and pilocarpine on human thermoregulation. Ibid., App. A, No. 4, 1–5.—**Ranke,** Heat regulation. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 51. ——— Heat regulation in conditions of excessive heat. Ibid., pt 8, 251.—**Shelley, W. B., & Horvath, S. M.** The oral and rectal temperatures in hot environments. Bull. U. S. Army M. Dep., 1946, 5: 459–61.—**Wezler, K., & Thauer, R.** Wärmeregulatorische Umstellungen des Organismus bei wechselnden Klimabedingungen (Temperatur, Feuchtigkeit, Windgeschwindigkeit) Luftfahrtmedizin, 1942–43, 7: 228–59.

HEAT stroke.

See also **Heat,** Pathological effect; **Injury,** thermal.

Cordier, D. Le coup de chaleur. In his Probl. méd. guerre, Montréal, 1943, 46–51.—**Heat-stroke.** Bull. Army M. Dep., Lond., 1942, No. 15, 3–5. Also Bull. War M., Lond., 1942–43, **3:** 373 (Abstr.)—**Malamud, N., Haymaker, W., & Custer, R. P.** Heat stroke; a clinico-pathologic study of 125 fatal cases. Mil. Surgeon, 1946, **99:** 397–449, 4 pl.—**Palmer, H. A.** Case report of psychosis following heat stroke. J. R. Army M. Corps, 1944, **82:** 186–9.—**Prevention** of heat-stroke. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 35.—**Quérangal des Essarts, J.** Les accidents dus à la chaleur à bord des navires. Rev. méd. nav., Par., 1948, **3:** 122–32.—**Rogers, J. A.** Treatment of heat stroke, heat exhaustion, and heat cramps. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 136, 1–3.—**Rosenbaum, L.** Significance of salt (NaCl) in torrid temperatures. Mil. Surgeon, 1946, **98:** 43–7.—**Schickele, E.** Environment and fatal heat stroke; an analysis of 157 cases occurring in the Army in the U. S. during World War II. Ibid., 1947, **100:** 235–56.—**Schlegel, B., & Böttner, H.** Experimentelle Erfahrungen mit stimulierenden Mitteln bei der Prophylaxe der Hitzeerkrankungen. Bull. War M., Lond., 1942–43, **3:** 653 (Abstr.)—**Schürmann.** Der Hitzschlag im Lichte der Kollapsforschung. Deut. Militärarzt, 1940, 5: 299 (Abstr.)—**Stenning, J. C.** Salt deficiency states in tropical climates. J. R. Nav. M. Serv., 1945, **31:** 129; 195.—**Teneff, S.** Le lesioni da calore in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 534–8.

HEAT therapy.

See **Thermotherapy.**

HEIGHT and weight.

See also **Anthropometry; Aviator,** Height and weight; **Fitness,** Constitution.

Hüppi, A. *Untersuchungen über die Veränderungen der Körpermasse der stadt- und landluzernischen Stellungspflichtigen in den Jahren 1897–1932 [Basel] 28p. 23cm. Sursee, 1937.

Imperiali, M. *Untersuchungen über die Körperlänge und ihre Variationen an stadt- und landzürcherischen Stellungspflichtigen; ein Beitrag zur Kenntnis der Determinanten des Längenwachstums. p. 217–46. 8° Zür., 1933.

Love, A. G. Proposed modification of the weight-height standards used in the U. S. Army. 28p. 4° Wash. [n. d.]
Mimeographed.

Randall, F. E. Chest-waist circumference relations for 18,111 separatee Army males. 8p. 27cm. Lawrence, 1947.
Forms No. 6, Mem. Rep. Climat. Res. Laborat., Lawrence.

——— Certain considerations of stature-weight relationships of male white Army separatees. 21 l. 27cm. Lawrence, 1947.
Forms No. 16, Mem. Rep. Envir. Protect. Sect. (U. S. Quartermast. Gen.)

United States. War Department. Surgeon General's Office. Medical Statistics Division. Height and weight data for men inducted into the Army and for rejected men. 29 l. 27½cm. Wash., 1943 [?]

Altus, W. D. The height and weight of soldiers in association with scores earned on the Army general classification test. J. Social Psychol., 1949, **29:** 201–10.—**Brandenburg, K.** Mitteilungen über die körperliche Entwicklung der deutschen Soldaten. Med. Klin., Berl., 1940, **36:** 572.—**Cayla, A., Launay, C., & Boulanger-Pilet, G.** A propos de l'article de M. Aubertin sur la diminution de poids chez les écoliers de la ville de Paris en 1941–1942. Presse méd., 1942, **50:** 774.—**Da Costa Ferreira, A. A.** Auxanometria militar. Arq. anat., 1916–17, **3:** 207–19.—**Gain** in weight among soldiers [Germany] J. Am. M. Ass., 1939, **112:** 1982.—**Halstead, H., & Mallon, E. A.** Examination of 1,000 men to determine changes in weight under service conditions. U. S. Nav. M. Bull., 1919, **13:** 620–4.—**Height** distributions of recruits. Statist. Navy M., 1949, **5:** No. 7, 2.—**Körperbau** der schwedischen Rekruten. Praxis, Bern, 1943, **32:** 687.—**Macpherson, R. K., & McGovern, P. B.** The effect of tropical service upon the body-weight of soldiers. Secret Rep. Fatigue Laborat. Nat. Health Med. Res. Counc. Australia, 1945, No. 8, 1–4, 3 tab. [declassified]—**Morant, G. M.** Comparisons of heights and weights of German civilians recorded in 1946–7 and Royal Air Force and other British series. Biometrika, Cambr., 1948, **35:** 368–96.—**Rambault, Fonroget & Orssaud.** Etude du poids chez les étudiants en rapport avec l'alimentation actuelle. Montpellier méd., 1942, **21–22:** 99–101.—**Randall, F. E.** Considerations of stature and weight of the male, white American soldier. Am. J. Phys. Anthrop., 1948, **6:** 251.—**Relationship** of weight and height of recruits. Statist. Navy M., 1949, **5:** No. 9, 6.—**Rivero, P. G.** Proyecto sobre reducción de la talla como causa de aptitud para el servicio en tiempo de paz. Rev. san. mil., B. Air., 1924, **23:** 40–8.—**Schreider, E.** Morant, G. M.: Comparisons of heights and weights of German civilians recorded in 1946–47, and Royal Air Force and other British series [Rev.] Anthropologie, Par., 1949, **53:** 536–8.—**Survey** of body size of Army personnel, male and female. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 113.—**Tobler, L.** Untersuchungen über die Körperlänge und ihre Variationen an Stellungspflichtigen der Kantone Luzern, Schwyz, Unterwalden und Appenzell. Arch. Julius Klaus Stift., 1937, **12:** 235–71.—**W., J. B.** Heights and weights; a help to recruiting officers. Ind. M. Gaz., 1918, **53:** 393–5.—**Weight** distribution of recruits. Statist. Navy M., 1949, **5:** No. 6, 2.—**Welham, W. C., & Behnke, A. R.** La relación peso a volumen corporal y otras características físicas en atletas seleccionados y personal de la marina de guerra de los Estados Unidos. Bol. educ. fís., Santiago, 1942, **8:** 20–3.

HELICOPTER.

See also **Air ambulance; Aircraft; Air evacuation.**

Arctic rescue 'copter ordered. Techn. Data Digest, Dayton, 1950, **15:** No. 4, 5–7.—**Clark, D. M.** Helicopter in air evacuation. Air Surgeon Bull., 1944, **1:** No. 9, 16.—**Helicopter** ambulance. News Lett. R. Nav. Air M. School, 1950, No. 13, 17–21, 4 pl.

HELIUM.

Consolazio, W. V. Preparation of compressed helium-oxygen gas mixtures. 10p. 26½cm. Bethesda, 1948.
Forms Rep. No. 3, Res. Proj. NM 011 015, U. S. Nav. M. Res. Inst.

HELMET.

See also **Body armor; Boot; Civilian defense,** Measures and equipment; **Clothing,** Air Force; **Gas mask.**

Clamann, H. G., & Luft, U. C. Tests with a pressurized helmet. 7 l. 27cm. Heidelb., 1946.
Forms No. S3–46–10, Transl. U. S. Air Force Aero M. Cent., Heidelb. Transl. from Forschber. Inspekt. San. Wes. Luftwaffe, No. 17/43.

Birkmayer, W., & Huber, K. Die Beeinflussung der Hirnverletzung durch den Stahlhelm; Zusammenstellung an 1000 Hirnverletzten. In: Kriegschirurgie (Zinmer, A.) Wien, 1944, **1**: 320–8.—**Casco** de guerra; una excelente solución dada por el ejército de EE. UU. Rev. mil. Perú, 1942, **39**: 43–8.—**Flying** helmets. Gr. Britain Flying Pers. Res. Com., 1940–45, 14.—**Gilson.** Measuring the attenuation of sound by flying helmets. Ibid., 1943, No. 559, 3.—**Haga, E.** Yasen-yō bōdan gunbō no sian [The author's plan for a bullet-proof cap for use (by soldiers) in field warfare] Gun idan zassi, 1930, No. 202, 417–20, pl.—**Head** injuries in motor cyclists; crash helmets. Bull. Army M. Dir., Lond., 1941, 4.—**Hendler, E., & Poppen, J. R.** Protective helmet for pilots of high-speed aircraft. J. Aviat. M., 1948, **19**: 420–5.—**Improved** (An) helmet for breathing oxygen or other gases. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 22.—**Improvement** in flying helmet design. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 4.—**Protective** headgear for paratroops under training. Ibid., 1948, 59.—**Protective** helmets. Med. Bull. Continent. Air Command, 1949, **1**: No. 3, 1.—**Steel** helmets and wounds of the head. Milit. Rep., Wash., 1943, No. 2, 38.

HELMINTHOLOGY.

United States. Naval Medical School. Laboratory guide to medical protozoology and helminthology. 183p. 27cm. Bethesda, 1943 [?]

HELMINTHOSIS.

See also **Parasitosis.**

Kuntz, R. E. Abnormalities in development of helminth parasites with a description of several anomalies in cercariae of digenetic trematodes. 8p. 26½cm. Bethesda, 1948.
Forms Rep. No. 15, Res. Proj. NM 005 004 (or, X–535) U. S. Nav. M. Res. Inst.
Also in Summaries Res. U. S. Nav. M. Res. Inst., 1948, 5.

Avoidance of trematode infections in the Orient. Bull. U. S. Army M. Dep., 1945, **4**: 622.—**Daikhovsky, J.** Helmintozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1152–61.—**Ferraris, L. V., & Urrutia, J. M.** Distomiasis del hepatocolédoco; contribución a su estudio. Rev. san. mil., B. Air., 1943, **42**: 37; 87.—**Liebow, A. A., & Hannum, C. A.** Eosinophilia, ankylostomiasis and strongyloidosis in the South Pacific area. J. Mil. M. Pacific, 1945, **1**: No. 2, 30–48, 6 ch.—**Martins, C. F.** Incidência das helmintoses na Armada brasileira. Arq. brasil. med. nav., 1949, **10**: 1683–93.—**Matusima, R., & Wani, T.** Taihei tyō-kisei-tyū ran hoyū-sya tyōsa seiseki narabi-ni zai-tai kutyū seiseki ni tuite [... regimental soldiers with the eggs of parasites, and the results of anthelmintic (treatment) while with the regiment] Gun idan zassi, 1925, No. 139, 85–99.—**Ohkusa, S.** Waisyō-zyōtyū ni tuite [Dwarf tapeworms (Hymenolepis nana)] Ibid., 1938, No. 306, 1299–310, 2 pl.—**Oliveira, C.** Dois annos de prophylaxia anthelminthica. Rev. med. hyg. mil., Rio, 1927, **16**: 221–4.—**Oliveira, P. P.** Novas observações sôbre a helmintíase no meio militar; a ação do tetracloretileno, óleo essencial de quenopódio e da associação de ambos como anti-helmínticos. Hospital, Rio, 1948, **34**: 903–6. ——— Helmintíase e anemia no meio militar. Rev. brasil. med., 1945, **2**: 835–9.—**Rose, G.** Wurmkrankheitcn. In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 164–71.—**Sapero, J. J.** The hookworm problem; some general and military aspects; a report of the examination of 1169 naval recruits. U. S. Nav. M. Bull., 1940, **38**: 136–43.—**Skin** irritation from helminth larvae. Bull. Army M. Dep., Lond., 1944, No. 40, 6.—**Sorokina, V.** [Laboratory work in the dehelminthization of wounded] Klin. med., Moskva, 1943, **21**: No. 10, 74.—**Stoll, N. R.** Changed viewpoints on helminthic disease; World War I vs. World War II. Ann. N. Y. Acad. Sc., 1943–44, **44**: 207–24.

HEMATOLOGY.

See also **Altitude** Hematology; **Anoxia,** Hematology; **Eosinophilia; Erythremia; Erythrocyte; Hemoglobin; Leukocyte; Medical examination,** hematological; **Reticuloendothelial system; Serology;** see also such terms as **Disease**—by special types: Anemia.

United States. Army. Enlisted Technician's School. Syllabus, hematology. 25p. 28 x 21½cm. S. Franc., 1944.

United States. Naval Medical School. Hematology. 34p. 27cm. Bethesda, 1943. Also another edition, 117p. 25½cm. Bethesda, 1945.

Effects (The) of increased atmospheric pressure, posture and exercise on the blood specific gravity of normal men. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 25.—**Freis, E. D.** Determination of specific gravity of whole blood and plasma using capillary blood. Bull. U. S. Army M. Dep., 1947, **7**: 144–6.—**Goldman, L.** Recent advances in hematology. Ibid., 1948, **8**: 385–91.—**Pérez, B., & Lacour, J. P.** Hipoproteinemia y relación plasma glóbulos; significación quirúrgica. Rev. san. mil., B. Air., 1944, **43**: 27–36.—**Phillips, R. A., Van Slyke, D. D.** [et al.] The copper sulfate method for measuring specific gravities of whole blood and plasma. Bull. U. S. Army M. Dep., 1943, No. 71, 66–83. Also Bumed News Lett., Wash., 1943, **1**: No. 9, 1–16. Also Hosp. Corps Q., 1943, **16**: No. 3, 144 (Abstr.)

HEMATOPOIETIC system.

See also such terms as **Disease**—by specific types: Anemia; **Granuloma malignum; Hemorrhagic diathesis; Leukemia,** etc.

Liass, M. Agranulocitoz. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 72–7.—**Miasnikov, A., & Faerman, I.** Selezenka (lien; spleen) Ibid., **5**: 18–28, pl.

HEMATURIA.

See also **Medical examination.**

Frumkin, A. Hematuria. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1170–2.—**Heinsen, H. A.** Question of angioneurotic hematuria in young men with unstable vasomotor system. War Med., Chic., 1942, **2**: 532 (Abstr.)—**Shucksmith, H. S.** The diagnosis of traumatic haematuria and reports of cases. J. R. Army M. Corps, 1943, **80**: 104–8.

HEMIANOPSIA.

See also **Blind; Eye injury.**

Szily, A. Kriegshemianopsien. p.78–132. 31cm. Stuttg., 1916.
In his Atlas d. Kriegsaugenh., Stuttg., 1916, 1. Lfg.

Stewart, S. G., Randall, G. C., & Riesenman, F. R. Hysterical homonymous hemianopsia with hemiplegia and hemianesthesia. War Med., Chic., 1943, **4**: 606–9.—**Szily, A.** Quadrantenhemianopsien und Amblyopien. In his Atlas d. Kriegsaugenh., Stuttg., 1916, 1. Lfg, 83–8. ——— Farbenhemianopsie mit Hemiamblyopie. Ibid., 88–90. ——— Rechtsseitige Hemianopsien. Ibid., 90–6. ——— Linksseitige Hemianopsien. Ibid., 96–102. ——— Doppelseitige Hemianopsien. Ibid., 103–7. ——— Doppelseitige untere Hemianopsien. Ibid., 107–10. ——— Hemianopische Skotome. Ibid., 110–31.—**Yamagata, S.** Ryō-syōzyu-soku hanmō-syō no iti rei [A case of bitemporal hemianopsia] Gun idan zassi, 1929, No. 190, 207–18.

HEMIATROPHY.

See under **Face.**

HEMIPLEGIA.

See with **Paralysis.**

HEMOGLOBIN.

Drabkin, D., & Schmidt, C. F. The spectrophotometric observation of circulating blood in vivo, and the direct spectrophotometric determination of the saturation of hemoglobin in arterial blood [1] l. 28cm. Wash., 1944.
Forms Rep. No. 386, Com. Aviat. M. U. S. Nat. Res. Counc.

Ordway, N. K., Harrison, H. E., & Albrink, W. S. Studies on circulating free hemoglobin; preliminary report. 4p. 28cm. Wash., 1945.
Forms No. 18, Missile Casualt. Rep., Div. M. Sc. U. S. Nat. Res. Counc.

Crynes, S. F., & DeCarlo, M. R. An adaption of the Sheard-Sanford hemoglobin method using improvised pipettes. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 30.—**Lubran, M., & Sakula, J.** March haemoglobinuria; a review. J. R. Army M. Corps, 1948, **90**: 155–60.—**Piqueras, E., Martínez, T., & Muñoz, P.** Metódo de determinación de hemoglobina por la densidad de la sangre comparativamente a la densidad de soluciones de sulfato de cobre. Med. & cir. guerra,

1946, 8: No. 19, 39–42.—**Reevaluation** of the NIH midget photometer for determining carboxyhemoglobin and total hemoglobin. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 40.—**Turner, A.** A micro method for determination of hemoglobin. Bull. U. S. Army M. Dep., 1946, 5: 605–7.—**Yudkin, S.** Haemoglobin levels in the Women's Auxiliary Air Force. Brit. M. J., 1944, 2: 403.

HEMOPHILIA.

Calvy, G. L. Pseudohemophilia; report of a case simulating acute appendicitis. U. S. Nav. M. Bull., 1948, 48: 616–20.—**Fretz, W.** A hemofelia e a sua transmissão por herança. Rev. mil. remonta vet., Rio, 1945, 7: No. 49, 52–4.—**Karitzky, B.** Kriegsverletzung bei Hämophilie; klinischer Beitrag zur Bluttransfusionsfrage. Chirurg, 1943, 15: 21–5.

HEMOPHILUS.

See **Influenza.**

HEMORRHAGE.

See also **Altitude,** Hematology; **Epidemic hemorrhagic fever; Hemorrhagic diathesis; Hemostasis; Shock; Surgical technic; Wound.**

Arjev, T., Makarenko, A. [et al.] Krovotečenie (hemorrhagia) In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 176–90.—**Banaitis, S. I.** Krovotečenie i borba s nim. In: Kratky kurs voen. polev. khir. (Kurpiianov, P. A., & Banaitis, S. I.) Moskva, 1942, 185–90.—**Cassinis, U., De Niederhäusern, A., & Gennari, G.** Studio sperimentale sul plasma secco eterologo quale mezzo terapeutico nella emorragia acuta. Gior. med. mil., 1942, 90: 93–111, tab.—**Davletov, A. S.** K lečeniju gnojnykh ran rastvorami soljanoj kisloty. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 532–7.—**Friedland, M. O.** [Traumatic hemorrhage and its control] Feldsher, Moskva, 1940, 15–9.—**Gill, W. G.** On secondary haemorrhage. J. R. Nav. M. Serv., 1944, 30: 22–5.—**Gorinevskaia, V. V.** Krovotečenie pri ognestrelnykh ranenijakh, raspoznavanie i sposoby ostanovki krovotečenija na različnykh etapakh evakuacii. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 67–80.—**Iakovlev, A. P.** [A case of spontaneous arrest of hemorrhage from the large vessels] Voen. san. delo, 1943, No. 8, 50.—**Kagan, C. S.** K voprosu o povtornykh krovotečeniiakh. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 128–33.—**Kufferath, W.** Zur Frage der Beherrschung der Nachblutungen nach Kriegsverletzungen. Zbl. Chir., 1942, 69: 1611–3. Also Bull. War M., Lond., 1942–43, 3: 366 (Abstr.)—**Lazarits, J.** Háborus sérülések utáni vérzések és ellátásuk. Orvostud. közl., 1944, 5: 245–7.—**Lust, T.** Die Blutung, Blutungsgefahr und Blutstillung der Kriegswunde. Vjschr. schweiz. Sanitätsoff., 1939, 16: 83–92. Also Deut. Militärarzt, 1940, 5: 504 (Abstr.)—**Moroney, P. B.** The control of secondary haemorrhage at the site of common femoral ligation in the groin. J. R. Nav. M. Serv., 1946, 32: 46.—**Morriss, W. H.** Secondary hemorrhage in military surgery. Mil. Surgeon, 1916, 38: 131–8.—**Otte, H.** Nachblutungen und deren Behandlung, Arterienunterbindungen, Bluttransfusion. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 32–60.—**Oudard.** Conduite à tenir dans le cas d'hèmatome artériel ou artérioveineux d'un membre. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 98.—**Page, C. I.** An arterial compression device. Hosp. Corps Q., 1945, 18: 57.—**Parin, V. N.** Pozdnie krovotečenija voobšče i pri ognestrelnykh ranenijakh sosudov v častnosti. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 74–86.—**Schnee, A. J.** [On late hemorrhages in the wounded] Khirurgia, Moskva, 1945, No. 2, 65–9.—**Skundina, M. G.** Perelivanie krovi v voennoj obstanovke. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 80–7.—**Slecov & Shishkina.** Lečenie inficirovannykh ran ultrafioletovymi lučami. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 512–5.—**Stich, R.** Die Nachblutung nach Kriegsverletzungen und ihre Bekämpfung. Schweiz. med. Wschr., 1942, 72: 606 (Abstr.)—**Teneff, S.** L'emorragia ed il suo trattamento. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 117–33.—**Treatment** of war injuries accompanied by severe hemorrhage. J. Am. M. Ass., 1939, 112: 1519.—**Valiente, F.** Anemia quirúrgica. Rev. san. mil., Asunción, 1944, 241–54.—**Vanderzypen.** Les hémorragies de guerre, leur traitement et ses réalisations pratiques à Anvers. Bruxelles méd., 1939–40, 20: 473–86.—**Waugh, W. G.** Secondary haemorrhage. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 1: 241–5.

HEMORRHAGIC diathesis.

See also **Epidemic hemorrhagic fever; Hematopoietic system.**

Arnold, D. J. Henoch's purpura. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 3: 46–9.—**Cronkite, E. P., & Lozner, E. L.** Hereditary hemorrhagic thrombasthenia with severe post-hemorrhoidectomy hemorrhage. U. S. Nav. M. Bull., 1944, 42: 161–4.—**Istamanova, T.** Trombopenia (morbus maculosus Werlhofii) In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 535–8. ——— Hemoragicheskii diatez. Ibid., 1: 1182–5.—**Lozner, E. L.** Hemorrhage and hemorrhagic diatheses. U. S. Nav. M. Bull., 1942, 40: 641–6, pl.—**Stubenbord, J. G., III.** Thrombocytopenic purpura hemorrhagica after use of sedormid; report of a case. Ibid., 1949, 49: 97–100.

HEMORRHAGIC fever.

See **Epidemic hemorrhagic fever.**

HEMORRHAGIC nephroso-nephritis.

See **Epidemic hemorrhagic fever.**

HEMORRHOID.

Albuquerque, E. T. de. Hemorroidectomia; operação de Salmon-Allingham, modernizada. Arq. brasil. med. nav., 1945, 6: 807–16.—**Bowers, W. F., & Schwyzer, H. C.** Treatment of hemorrhoids in a military hospital. Mil. Surgeon, 1942, 90: 655–62.—**Guillermo.** Traitement ambulatoire des hémorrhoides et des fistules anales en milieu militaire. Bull. Soc. méd. mil. fr., 1946, 40: 101–4.—**Norbury, L. E. C.** The treatment of piles in recruits. Med. Press & Circ., Lond., 1943, 209: 83.—**Peña y De la Peña, E.** Hemorroides. Bol. san. mil., Méx., 1949, 2: 252–8.—**Pollock, L. H.** A technique for hemorrhoidectomy. Bull. U. S. Army M. Dep., 1947, 7: 478–80.—**Van Dyke, P. B.** Practical technic for hemorrhoidectomy. U. S. Nav. M. Bull., 1945, 44: 930.

HEMOSTASIS.

See also **Hemorrhage.**

Wildegans, H. Blutung, Blutstillung, Blutersatz. p. 179–214. 20cm. Dresd., 1944.

In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944.

[**Arrest** of hemorrhages] Voen. san. delo, 1942, No. 7, 86.—**Benedetti Valentini, F.** I vantaggi e le male facta del laccio emostatico. Gior. med. mil., 1941, 89: 379.—**Decker, P.** Emergency control of haemorrhage in war surgery. Bull. War M., Lond., 1941–42, 2: 350 (Abstr.)—**Elinson, G.** Zhgut krovoostanavlivajuščij. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 608–16.—**Garrè.** Anzeigen für operatives Handeln in und hinter der Front; Blutstillung; Blutersatz. Beitr. klin. Chir., 1916, 96: Kriegschir. Hefte I, 407–20.—**Iadevaia, F., & Gozzo, G.** L'uso della spugna di gelatina come agente emostatico riassorbibile; osservazioni clinico-sperimentali. Gior. med. mil., 1949, 96: 602–7.—**Joergenson, E. J.** Circulatory system; control of hemorrhage. In: Med. Cadet Corps Train. Man. (Courville, C. B., &c.) 2. ed., Glendale, 1943, 154–9.—**Lőrincz, S., & Kovács, E.** A vérzéscsillapodásról. Honvédorvos, 1950, 2: 161–8.—**Mermegka, K.** Ἡ *αἱμοστασία τοῦ ἐγχειρητικοῦ πεδίου.* *Ἰατρικὴ πρόοδος,* 1914, 19: 164–6.—**Niedner, F.** Ueber die vorläufige Blutstillung bei stärkeren Blutungen im Felde. Beitr. klin. Chir., 1943–44, 175: 507–11.—**Sozon-Jaroshevich, A.** Hemostol No. 2. In: Voen. med. Leningr. fronte (Russia. Armija. Glavn. voen. san. upravl.) Moskva, 1946, 236–8.—**Wildegans, H.** Blutung, Blutstillung, Blutersatz. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 155–88; 6. Aufl., Dresd., 1943, 175–210.—**Winters, V. M. E.** Le bandage hémostatique métallique. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 297–301.—**Zaffiro, E.** Sull'emostasi locale delle emorragie esterne con sostanze emostatiche. Gior. med. mil., 1949, 96: 593–601.

HEMOTHERAPY.

See also **Blood transfusion.**

Alvarez de los Cobos, S. Sangre y sus derivados en cirugía. Bol. san. mil., Méx., 1949, 2: 453; 472.—**Brown, H. R., jr.** The distribution and use of human whole blood in the Pacific war. U. S. Nav. M. Bull., 1947, 47: 396–420.—**Davidson, W. M.** Ultraviolet irradiation relative to anoxia and bend susceptibility; preliminary investigation. Ibid., 1944, 43: 37.—**Khait, M. M.** [Rectal administration of heteroblood as nutritive and stimulating factor] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 295–300.—**Maciel, H.** Do emprêgo da albuminoterapia, da plasmoterapia e da transfusão de sangue nos choques e nas queimaduras. Arq. brasil. med. nav., 1943, 4: 5–13.—**Sammartino, E. S.** Sistema universal para la práctica de la hemoterapia, flebo e hipodermoclisis. Rev. san. mil., B. Air., 1945, 44: 803; 912.

HEPARIN.

See also **Cold injury,** Treatment: Drug.

Rashkind, W., Irland, R., & Platt, W. The reaction between heparin and fibrinogen. 10p. 26½cm. Bethesda, 1949

Forms Rep. No. 20, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Ullrich, F. W., & Cronkite, E. P. A method for the titration of heparin-like substances in plasma. 37p. 27cm. Bethesda, 1947.

Forms Rep. No. 4, Proj. NM 007 039, U. S. Nav. M. Res. Inst.

—— The acceleration of plasma coagulation by low concentrations of heparin. 10p. 27cm. Bethesda, 1948.

Forms Rep. No. 5, Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Also in Sympos. Mil. Physiol., Wash., 1947, 243–50.

La Barre, J., & Vesselovsky, O. Contribution à l'étude de l'action de l'héparine sur la coagulabilité du sang. Bull. War M., Lond., 1942–43, **3**: 22 (Abstr.)

HEPATITIS.

See also **Icterus; Liver.**

Camelin, Garnung [et al.] Troubles métaboliques lipidoprotidiques dans l'hépatite ictérigène aiguë. Bull. Soc. méd. mil. fr., 1949, **43**: 69.—**Colbert, J. W.** Pruritus in acute hepatitis. Bull. U. S. Army M. Dep., 1948, **8**: 954.—**Fishman, A. P.** Persistent hepatitis in patients returning from overseas. Ibid., 1945, **4**: 457–62.—**Hallock, P., & Head, D. P.** Simple laboratory test as an aid in recognizing early hepatitis. Ibid., 1946, **5**: 236–42.—**Kireev, P. M.** K voprosu ob ostrykh parenkhimatozynkh hepatitakh voennogo vremeni. Voen. med. J., Moskva, 1947, 16–22.—**Kogan, S. A.** Osobennosti techenija parenkhimatoznykh hepatitov voennogo vremeni. Vrach. delo, 1946, **26**: 507–10.—**Lucke.** Avian hepatitis; clinical and pathological observations. Res. Program U. S. Army M. Res. Bd, 1947, July, 71.—**Miasnikov, A.** Hepatity (hepatitis) In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1190–6.—**Poznański, L.** Miąższowe zapalenie wątroby a leczenie salwarsanowe. Lek. wojsk., 1949, **25**: 219–24.

—— epidemic.

Enke, S. *Zur Frage der Unterscheidungsmöglichkeit des in der Zeit vom 1. Juli bis 30. September 1940 in Wehrmachtssanitätseinheiten behandelten gehäuft bezw. sporadisch aufgetretenen Leberparenchymikterus; Hepatitis epidemica, Ikterus katarrhalis. 49 l. 29½cm. Berl., 1943.

Fuchs, W. J. F. *Zur Frage der Unterscheidungsmöglichkeit des in der Zeit vom 1 Okt. 1940 bis 31. Dez. 1940 in Wehrmachtssanitätseinheiten behandelten, gehäuft bezw. sporadisch aufgetretenen Leberparenchym-Ikterus, Hepatitis epidemica, Ikterus catarrhalis. 60 l. 29½cm. Berl., 1943.

Probst, H. W. J. *Zur Frage der Unterscheidungsmöglichkeit des in der Zeit vom 1.XI.–31.XII. 1941 in Wehrmachtsanitätseinheiten behandelten gehäuft bezw. sporadisch aufgetretenen Leberparenchymikterus; Hepatitis epidemica, Icterus catarrhalis. 41 l. 29½cm. Berl., 1942 [?]

United States. War Department. Infectious hepatitis. 14p. 27cm. Wash., 1945.

Forms TB MED 206, Techn. Bull. War Dep., U. S.

Vollbach, D. *Zur Frage der Unterscheidungsmöglichkeit des in der Zeit vom 1. Juli bis 31. August 1941 in Sanitätseinrichtungen des Heeres behandelten sporadisch bzw. gehäuft aufgetretenen Leberparenchymikteruserkrankungen; Ikterus catarrhalis, Hepatitis epidemica. 43 l. 29½cm. Berl., 1943.

Walter, H. E. R. *Zur Frage der Unterscheidungsmöglichkeit des in der Zeit vom 1. bis 31. Okt. 41 in Wehrmachtsanitätseinheiten behandelten gehäuft bzw. sporadisch aufgetretenen Leberparenchymikterus; Hepatitis epidemica, Icterus catarrhalis. 44 l. 29½cm. Berl., 1942 [?]

Aleksandrov, A. F. K klinike epidemicheskoj zheltukhi. Sborn. tr. Voen. med. akad. Kirov, 1949, **43**: 25–32. —— O klassifikacii ostrykh hepatitov. Ibid., 33–9.—**Barker, M. H., Capps, R. B., & Allen, F. W.** Acute infectious hepatitis in the Mediterranean Theater; including acute hepatitis without jaundice. J. Am. M. Ass., 1945, **128**: 997–1003.—**Barlas, J.** Epidemik hepatit ve seriyati. Askeri sihhiye mecmuasl, 1946, **75**: No. 47, 66–70.—**Cohen, M. I.** Acute infective jaundice and acute hepatitis; 360 cases at an advance base. U. S. Nav. M. Bull., 1944, **43**: 1166–70.—**Diagnosis** (The) clinical course, prognosis, treatment and disposition of patients suffering from infectious hepatitis. Circ. Lett. Surgeon North Afr. Theater Oper., 1944, No. 37, 1–16, 4 ch.—**Dickson, R. C.** Infective hepatitis. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 39–43.—**Dimmette, R. M.** Fulminant epidemic hepatitis; report of a case in an infant. U. S. Nav. M. Bull., 1949, **49**: 699–702.—**Epidemic** hepatitis a war disease. Bull. U. S. Army M. Dep., 1943, No. 70, 4–6.—**Gordon, J. E.** Acute infectious jaundice. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 3, Sect. 6, 1–6. —— Epidemic hepatitis. Ibid., 7–25. —— Epidemic jaundice in an Air Force unit. Ibid., 15. —— Epidemic jaundice among troops not immunized against yellow fever. Ibid., 42–4.—**Gutzeit, K.** Hepatitis contagiosa (epidemica) In: Wehrhygiene (Handloser, S., et al.) Berl., 1944, 62–7. —— & **Benecke.** [The same] Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 138–50.—**Havens, W. P.** Hepatitis mission in Germany. Res. Program U. S. Army M. Res. Bd, 1947, July, 63. —— Infectious hepatitis. Q. Progr. Rep. Com. Virus Dis. U. S. Army, 1948, No. 10, 7.—**Hoagland, C. H., & Shank, R. E.** Acute infectious hepatitis. Bumed News Lett., Wash., 1945, **6**: No. 3, 5–12.—**Holler, G.** Zur Klinik der Hepatitis epidemica. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 379–92.—**Hurst, A. F.** Epidemic jaundice. In his Med. Dis. War, 3. ed., Lond., 1943, 315–32, 2 pl. —— Catarrhal jaundice. Ibid., 323–9. —— Infective hepatic jaundice. Ibid., 330–2.—**Infectious** hepatitis. In: Prev. Med. in World War II, Wash., 1948, **3**: 25–30, ch.—**Infective** hepatitis. Bull. Army M. Dep., Lond., 1942, No. 15, 1–3. Also Bull. War M., Lond., 1942–43, **3**: 394 (Abstr.) Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 45.—**Infective** hepatitis and allied forms of jaundice. Bull. Army M. Dep., Lond., 1943, Suppl. No. 8, 1–11.—**Jacobi, J., Kreyenberg, G., & Dörschel, W.** Erfahrungen bei über 600 Kranken mit Hepatitis epidemica. Deut. Militärarzt, 1943, **8**: 479–86.—**Jayawardene, M. D. S.** Infective hepatitis; analysis of 100 cases in the Army. Ind. M. Gaz., 1945, **80**: 445–51.—**Kristman, P.** Infekcionnye zheltukhi voennogo vremeni. Med. sestra, Moskva, 1945, 9–12.—**Logan, V. W.** Acute infectious hepatitis. U. S. Nav. M. Bull., 1944, **43**: 271–7.—**Mackay-Dick, J.** Infective hepatitis. J. R. Army M. Corps, 1947, **89**: 290–300.—**Menof, P.** Infective hepatitis; a clinical study based on the first 500 admissions to No. 5 S. A. General Hospital during the war. S. Afr. M. J., 1949, **23**: 544–51.—**Nelson, J. D.** Recurrent infectious hepatitis. Mil. Surgeon, 1946, **98**: 134–7.—**Nothhaas, R.** Beobachtungen über epidemischen Ikterus. Deut. Militärarzt, 1943, **8**: 247–53.—**Ors, J. P. d'.** Hepatitis infecciosa esporádica; nota clínica médica. Med. & cir. guerra, 1949, **11**: 349.—**Outbreak** (The) of jaundice in the Army; circular letter issued by the Office of the Surgeon General, U. S. Army, Aug. 31, 1942. Army M. Bull., 1942, No. 64, 179–87.—**Roe, T. J.** Laboratory diagnosis of infectious jaundice. Hosp. Corps Q., 1945, **18**: 60.—**Rovelstad, R. A.** Common problems of infectious hepatitis. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 2, 53–7.—**Rüther, A., & Dorow, H.** Beitrag zur Hepatitis epidemica. Deut. Militärarzt, 1943, **8**: 183.—**Segal, A. E.** Infekcionnye želtukhi voennogo vremeni. Feldsher, Moskva, 1945, No. 3, 25–30.—**Seward, C.** Epidemic jaundice and hepatitis. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 55–63.—**Snell, A. M., Wood, D. A., & Meienberg, L. J.** Infectious hepatitis with especial reference to its occurrence in wounded men. Gastroenterology, 1945, **5**: 241–58.—**Tarpi. A. A., Vodopianov, E. V., & Matrenina, A. P.** [Clinical characteristics of an outbreak of epidemic jaundice] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 547–51.—**Tasker, A. N.** Infectious jaundice. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 483–92.—**Truelove, S. C.** Infective hepatitis. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 44–9.—**Viskovsky, S.** Zheltukhi infekcionnye. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 634–41.—**Weiss, H. A.** Acute virus hepatitis. U. S. Nav. M. Bull., 1949, **49**: 713–8.—**Willard, J. H.** Acute infectious jaundice. Ibid., 1944, **42**: 1085–8.

—— epidemic: Epidemiology.

Acute infectious jaundice during the war years. Statist. Navy M., 1949, **5**: No. 8, 2–5.—**Age** as a factor in infectious hepatitis. Med. Bull. Europ. Command, 1949, **6**: No. 7, 3–5.—**Barker, M. H.** A summary of the studies on infectious hepatitis in NATOUSA during 1944. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 43.—**Conaway, H. B., & Shaul, J. F.** Acute infective jaundice (acute hepatitis); occurrence at a North African base hospital. U. S. Nav. M. Bull., 1946, **46**: 203–10.—**Dixon, H. B. F.** Notes on infective hepatitis in Malta, 1938–1942. J. R. Army M. Corps, 1944, **82**: 44–8.—**Dohmen, A.** Klinische und epidemiologische Beobachtungen bei gehäuftem Auftreten von Hepatitis epidemica. Deut. Militärarzt, 1941, **6**: 532–7.—**Epidemiological** data on hepatitis in EUCOM. Annual Rep. Com. Virus Dis. U. S. Army (1948) 1949, 8–10.—**Epidemiological** studies in hepatitis. Bumed News Lett., Wash., 1944, **4**: No. 7, 6–9.—**Faeces,** flies, and hepatitis. Bull. Army M. Dep., Lond., 1945, No. 46, 1.—**Finks, R. M., & Blumberg, R. W.** Epidemic hepatitis with and without jaundice; some clinical studies on two hundred and fifty-five patients among troops in a combat zone. Arch. Int. M., 1945, **76**: 102–13.—**Gauld, R. L.** Epidemiological field studies of infectious hepatitis in the Mediterranean Theater of Operations; clinical syndrome, morbidity, mortality, seasonal incidence. Am. J. Hyg., 1946, **43**: 248–54. —— [The same] epidemic pattern; outbreaks with distinctive features. Ibid., 255–72. —— [The same] selection among American troops; age. Ibid., 273–82. —— [The same] selection among American troops; rank and grade. Ibid., 283–8 —— -

[The same] selection among American troops; headquarters, service and combat troops. Ibid., 289–94. ——— [The same] selection among American troops; the assimilation of replacements, 1943–1944 season. Ibid., 295–8. ——— [The same] selection among American troops; seasoning and incidence, 1944–45. Ibid., 299–309. ——— [The same] relation between vaccine jaundice and infectious hepatitis. Ibid, 310–3.—**Getty, R. W.** Epidemiologic study of epidemic hepatitis. U. S. Nav. M. Bull., 1946, **46:** 541–53.—**Gordon, J. E.** Annual incidence of infectious jaundice, ETOUSA. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 6, 3–5. ——— Jaundice in various theaters of opcration. Ibid., 5. ——— General epidemiologic considerations; the outbreak of epidemic hepatitis. Ibid., 13–5. ——— Jaundice among the armies on the Continent. Ibid., 16.—**Gowen, G. H.** The epidemiology of epidemic hepatitis. Bull. U. S. Army M. Dep., 1945, No. 84, 41–50. ——— Observations on infectious hepatitis in the Seventh Army, 1944–45. Ibid., 1946, **6:** 456–61.—**Hellmann, R.** Truppenärztliche Beobachtungen über die Hepatitis epidemica in der Libyschen Wüste. Deut. tropenmed. Zschr., 1943, **47:** 354–60.—**Infectious** hepatitis, what is the manner of its spread? Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4:** 16–9.—**Infective** hepatitis in the war. J. Am. M. Ass., 1943, **121:** 879.—**McArthur, N. M.** An epidemic of hepatitis. J. R. Nav. M. Serv., 1944, **30:** 18–22.—**McFarlan, A. M.** The epidemiology of infective hepatitis in some units of the British Army in Sicily and Great Britain, 1943–4. Q. J. Med., Oxf., 1945, **14:** 125–46.—**McKean, R. M.** Infective hepatitis on the Italian Front. In: Interallied Conf. War Med. (1942–45) 1947, 100–5.—**Mitusov, A. L., & Chernomordikov, V. V.** Epidemićeskij hepatit (hepatitis epidemica) na N-skom fronte. Voen. med. J., Moskva, 1947, No. 3, 12–7.—**Morgan, H. J.** Infective hepatitis on the Italian Front. In: Interallied Conf. War Med. (1942–45) 1947, 107.—**Notes** on the epidemiology of hepatitis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4:** No. 3, 27.—**Ohtani, Y., & Nagao, G.** Hohei dai hati rentai ni tahatu-seru ōdan kanzya no rinsyō-teki kansatu [Clinical observations of jaundice in the 8th infantry regiment] Gun idan zassi, 1938, No. 301, 625–40.—**Oram, S.** Infective hepatitis in Nigerian troops. J. R. Army M. Corps, 1945, **84:** 201–9.—**Palmer, J. H.** Infective hepatitis in Canadian troops in Italy. In: Interallied Conf. War Med. (1942–45) 1947, 106.—**Potts, C. E.,** jr. An outbreak of infectious hepatitis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4:** No. 4, 2–10.—**Rabe, E. F.** An epidemic of infectious hepatitis. Ibid., **2:** No. 3, 2–14.—**Recent** incidence of infectious hepatitis. Health U. S. Army, 1947, **2:** No. 22, 6; 1950, **5:** 2.—**Schieve, J. F.** A report of 62 cases of infectious hepatitis occurring in 1946, Station Hospital, Camp Lee, Virginia. Virginia M. Month., 1948, **75:** 521–5.—**Simpson, W. M., Powers, W. L., & Lehman, R. G.** Acute infective jaundice at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41:** 1620–3.—**Snell, A. M., Wood, D. A., & Meienberg, L. J.** Infectious hepatitis with especial reference to its occurrence in wounded men. Gastroenterology, 1945, **5:** 241–58.—**Sonea, O.** Hepatitis icterogenes infektiosa epidemica bei den Gebirgstruppen in der Krim im Herbst 1942. Münch. med. Wschr., 1943, **90:** 253.—**Stuhlfauth, K.** Die epidemische Gelbsucht; gehäuftes Auftreten unter Soldaten und der Zivilbevölkerung in Norwegen. Deut. Militärarzt, 1941, **6:** 591–602. Also Bull. War M., Lond., 1942–43, **3:** 213 (Abstr.)—**Walker, D. W.** Some epidemiological aspects of infectious hepatitis in the U. S. Army. Am. J. Trop. M., 1945, **45:** 75–82.

—— epidemic: Pathology.

CAPPS, R. B. The present status of viral hepatitis, with particular reference to chronic and residual forms. 12p. 27cm. Wash., 1947. Forms Techn. Bull. TB 10–32, U. S. Veterans Admin.

Burlingame, P. L. The incidence of intestinal parasites in troops in relation to the transmission of infectious hepatitis. Med. Bull. Europ. Command, 1948, **5:** No. 6, 22–5.—**Dohmen.** Ueber die Untersuchungen zur Aetiologie der Hepatitis epidemica. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 172–9. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 205–13.—**Emmrich, R.** Die Flockungsreaktion nach Gros im Verlauf der Hepatitis infectiosa. Deut. Militärarzt, 1944, **9:** 8–12.—**Experimental** production of hepatitis. Bull. U. S. Army M. Dep., 1944, No. 82, 7–9.—**Geiro, S. B.** K voprosu ob izmenenijakh hematopoeza pri ostrom hepatite. Sborn. tr. Voen. med. akad. Kirov, 1949, **43:** 48–57.—**Hughes, J. D.** The clinical significance of the methylene blue urine test. Med. Bull. Medit. Theater U. S., 1945, **3:** 193–9.—**Incubation** period of infectious hepatitis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 23, 15–8.—**Kalk.** Macroscopic-anatomical findings in hepatitis epidemica. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 271.—**Klinghofer, L.** Botkin-kór, hepatitis epidemica, kerdésének mai állása. Honvédorvos, 1950, **2:** 156–61.—**Knox, L. J.** Infectious hepatitis complicated by cholelithiasis. Med. Bull. Europ. Command, 1949, **6:** No. 12, 13–9.—**Kuehn.** The histological picture of the liver in hepatitis epidemica obtained from biopsy material. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 272–6.—**Kuzell, W. C.** Artifact spirochetes in infectious hepatitis. Bull. U. S. Army M. Dep., 1945, No. 89, 112–4. ——— & **Puccinelli, V.** False positive serology in infectious hepatitis. Ibid., 1944, No. 80, 3. Also Med. Bull. North Afr. Theater U. S., 1944, **2:** 57–9.—**Löwenstein, W.** Herzschädigungen bei der Hepatitis epidemica; zugleich ein Beitrag zur Frage der Hepatitis epidemica überhaupt. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 393–413.—**Malaguzzi-Valeri, O.** Ricerche sulla flora intestinale in casi di ittero castrense con particolare riguardo al gruppo tifo-paratifo-dissenterici. Gior. med. mil., 1942, **90:** 826–34.—**Nature** of the infective agent. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 257.—**Paul, J. R.** The etiology of infectious hepatitis. Bull. U. S. Army M. Dep., 1945, **4:** 498.—**Rósa, L.** Válasz Klinghoffer László dr. o. szds.: Botkinkór kérdésének mai állása cimü cikkére. Honvédorvos, 1950, **2:** 300.—**Rothenberg, J. G., & Kimball, E. R.,** jr. Epidemic hepatitis; six fatal cases with necropsies. Med. Bull. North Afr. Theater U. S., 1944, **1:** 16–22.—**Search** for North American animal susceptible to hepatitis; phenomenon of interference with infections of viral diseases. Res. Program U. S. Army M. Res. Bd, 1947, July, 73; 1948, Jan., 140.—**Sherman, W. B.** The occurrence of fever at the outset of catarrhal jaundice. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 3, 30.—**Stokes.** Studies on growth of infectious (epidemic) hepatitis virus (Akiba strain I H) on chick embryo tissue cultures and in rabbit liver cell tissue cultures. Res. Program U. S. Army M. Res. Bd, 1947, July, 59.—**Treviño Z., N.** Problemas de patología hepática revisados en ocasión de la presente guerra; las hepatitis agudas icterígenas; tendencia de unificación etiopatogénica. Presna méd. mex., 1944, **9:** 103–10.—**Trimble, D. N., & Seno, E. C.** Fatal acute infectious hepatitis with jaundice. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 3, 8–11.

—— epidemic: Treatment.

Gellis, S. S., Stokes, J. jr [et al.] The use of human immune serum globulin (gamma globulin) in infectious (epidemic) hepatitis in the Mediterranean Theater of Operations; studies on prophylaxis in two epidemics of infectious hepatitis. J. Am. M. Ass., 1945, **128:** 1062.—**Hughes, J. D.** The treatment of infectious hepatitis by diet and rest. Bull. U. S. Army M. Dep., 1945, **4:** 662–5.—**Monetti, G.** Quaranta casi di ittero catarrale trattati con amide nicotinica. Gior. med. mil., 1942, **90:** 910–3.

—— Serum hepatitis.

See also **Blood transfusion,** Complications.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–103: Transmission of infectious hepatitis by multiple dose syringe technique and by needles and lancets. 2p. 27cm. Wash., 1948.

Ginsberg, H. S. Homologous serum jaundice following plasma. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 32, 9–17.—**Gordon, J. E.** Homologous serum jaundice. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 6, 26–47. ——— Mortality in the European Theater [of homologous serum jaundice] Ibid., 37. ——— Incidence of jaundice by lot number of yellow fever vaccine. Ibid., 38–44. ——— Jaundice following accidental inoculation. Ibid., 45. ——— Homologous serum jaundice after transfusion. Ibid., 47–9.—**Havens.** Infectious hepatitis and homologous serum jaundice. Annual Rep. Com. Neurotr. Virus Dis. U. S. Army (1945–46) 1946, 5.—**Hughes, R. R.** Syringe contamination following intramuscular and subcutaneous injections. J. R. Army M. Corps, 1946, **87:** 156–68.—**Janeway, C. A.** Present status of homologous serum jaundice. Bull. U. S. Army M. Dep., 1946, **5:** 3–6.—**Jaundice** following blood transfusion. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 257.—**Jaundice** following blood transfusion with whole blood and plasma [tab.] Ibid., 263.—**Parr, L. W.** Host variation in the manifestation of disease; with particular reference to homologous serum jaundice in the Army of the United States. Med. Ann. District of Columbia, 1945, **14:** 443–9.—**Sartwell, P. E.** Infectious hepatitis in relation to blood transfusion. Bull. U. S. Army M. Dep., 1947, **7:** 90–100.

HERB.

See under **Pharmacotherapy.**

HERNIA.

For its surgical treatment see also **Surgica technic,** Hernia.

Bean, L. L. Recurrent indirect hernia. U. S. Nav. M. Bull. 1945, **45:** 1088–96.—**Coyer, H. A., & Widder, G. M.** Prevalence of hernia, actual, potential and healed, in the defense worker as found at Mechanicsburg naval supply depot. Hahneman. Month., 1943, **78:** 60–3. Also Indust. M., 1943, **12:** 731.—**D'Abreu, A. L.** The management of hernia in the soldier. Queen M. Mag., Birm., 1947, **40:** 55–61, pl.—**Gordon-Taylor, G.** Remember the hernial rings. J. R. Nav. M. Serv., 1941, **27:** 231–5.—**Iadevaia, F.** L'ernia crurale prevascolare intravaginale. Gior. med. mil., 1940, **88:** 423–9.—**Klein, W. E.** Incarcerated Littre's hernia. U. S. Nav. M. Bull., 1949, **49:** 309–12.—**Nakamura, A.** Gaisyō-sei tyōkan haretu no syōrei to sono syoti ni tuite [Case of external hernia] Gun idan zassi, 1925, No. 142, 433–50.—**Schroeder, F. W.** External abdominal

hernia; an analysis of 1,078 cases in the Canadian Army overseas. J. Canad. M. Serv., 1944–45, 2: 47.

—— inguinal.

Arthur, H. R. Inguinal hernia at an RAF hospital. Lancet, Lond., 1942, 2: 387.—**Brown, R. B., & Haynes, L. L.** Recurrent inguinal hernia; report of two unusual cases. U. S. Nav. M. Bull., 1947, 47: 1053–8.—**Camp, M. N.** Inguinal hernia in the Army. J. Florida M. Ass., 1944–45, 31: 575–8.—**Cole, P. P.** Inguinal hernia in the merchant navy; an analysis of 200 consecutive cases. Brit. M. J., 1945, 1: 296.—**Heath, N., Brown, J. J. M., & Saunders, K. G. W.** Recurrent inguinal hernia. J. R. Army M. Corps, 1942, 78: 283.—**Inguinal hernia.** Bull. Army M. Dep., Lond., 1943, Suppl. No. 4, 1–4.—**Inguinal** hernia in World War II. Statist. Navy M., 1947, 3: No. 7, 5–7.—**McLaughlin, C. W.,** jr, & **Brown, J. R.** Inguinal hernias and allied defects in naval recruits. Surgery, 1946, 19: 267–74.—**Martin, P., & Maguire, J. G.** Congenital inguinal hernia in service recruits. J. R. Nav. M. Serv., 1947, 33: 1–5.—**Mason, L. W.** An analysis of hernias and inguinal pathology in young Army personnel. Illinois M. J., 1946, 90: 327–31.—**Sutelan, H.** Utilization of employees with inguinal hernias. U. S. Nav. M. Bull., 1944, 42: 250–2.—**Tobias, M. J.** The significance of the relaxed subcutaneous inguinal ring. Bull. U. S. Army M. Dep., 1948, 8: 797–801.—**Wakeley, C. P. G.** The treatment of inguinal hernia in recruits. Mod. Treat. Yearb., Lond., 1942, 8: 203–6, 3 pl.—**Woldman, V. F.** Vermiform appendix in inguinal hernial sac; a report of 3 cases. U. S. Nav. M. Bull., 1944, 42: 440–2.—**Zur Verth.** Dienstbeschädigung bei Leistenbrüchen. Veröff. Heer. San., 1939, No. 108, 148–52.

HERPES.

See also **Dermatosis.**

Shulman, B. H. Recurrent herpes simplex; report of case with sunburn as predisposing factor. U. S. Nav. M. Bull., 1945, 45: 161.—**Sutton, R. L.,** jr. Herpes following fever therapy. Bull. U. S. Army M. Dep., 1944, No. 78, 115.

HIGH-VELOCITY missile.

See under **Ballistics,** Wound ballistics; **Projectile.**

HIP.

See also **Fracture; Surgical technic,** Hip.

Glocker, R. K. Migration of Kirschner wire into the abdomen. Mil. Surgeon, 1943, 92: 315–7.—**Lavrov, V. V.** Acetabuljarnye koksity ognestrelnogo proiskhoždenija. Vest. khir., 1946, 66: No. 3, 46–9.—**Roca, C. A., & Lazaroni, A. F.** Artrokatadisis postraumática. Rev. san. mil., B. Air., 1946, 45: 829–43.—**Westhues, H.** Hüftgelenk. In his Fortsch. Lager. Schwerverw., Berl., 1943, 49–52, illust.

HIP injury.

See also **Extremity injury,** Lower extremity; **Fracture**—by site: Hip.

Hickson, S. Wounds of the hip-joint. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 202.—**Lemarignet, N. K.** [The treatment of the articulatio coxae, after the data of a front evaco-hospital] Khirurgia, Moskva, 1944, No. 8, 81.—**Nys, P.** Les traumatismes de la région de la hanche. Arch. Serv. san. Armée belge, 1946, 99: 100–2.—**Preobrazhensky, N. A.** O pozdnikh krovoteĉenijakh pri ognestrelnykh povreždenijakh krovenosnykh sosudov bedra. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 87–92.—**Sackfeld, E. A., & Feuerstein, S. M.** [Traumatic deformation of the hip and results of restorative surgery] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 150–3.—**Stimson, B.** War wounds involving the femur. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 8.—**Treutel, M. A.** [Treatment of gunshot wounds of the hip joint at the first stage of evacuation] Khirurgia, Moskva, 1944, No. 4, 52–8.—**Urist, M. R.** Injuries to the hip joint; traumatic dislocations incurred chiefly in jeep accidents in World War II. Am. J. Surg., 1947, 74: 586–97.—**Wheeler, W. I. de. C.** Wounds involving the hip-joint. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 690–6.

HIROSIMA.

See under **World War II.**

HISTAMINE.

André. Intoxication accidentelle mortelle par néoantergan. Bull. Soc. méd. mil. fr., 1947, 41: 240.—**Ferrario, A. A.** Electrólisis e iontoterapia con histamina. Rev. san. mil., B. Air., 1942, 41: 107–18.

HISTOPLASMOSIS.

Tuberculosis and histoplasmosis. Med. Bull. U. S. First Army, 1949, 4: No. 2, 3.

HISTORICAL officer.

Case, L. M. The military historian overseas. Bull. Am. Ass. Univ. Professors, 1948, 34: 320–34.—**Love, A. G.** [Appointment of historical officers] Minutes Subcom. Hist. Rec. (NRC) Wash., 1942, 219–21.

HISTORY.

See also such terms as **Chemical warfare,** History; **Medical history; Unit.** For histories of special campaigns see **Wars and campaigns; World War I; World War II.**

Handforth, B. F. An open letter to the people of the United States of America. 2 l. 8° Chic., 1888.

Benson, C. C. American military history. Mil. Surgeon, 1933, 72: 230–40.—**Bostock, J.** The place of history in war and post-war problems. Med. J. Australia, 1942, 2: 483–99.—**Chinard, G.** Looking westward. J. Franklin Inst., 1942, 234: 1–16. **Preservation** of historical data. Field M. Bull. (Burma) 1945, 4: 277.—**Setser, V. G.** Can the war history projects contribute to the solution of federal records problems? Rec. Admin. Circ. U. S. Nat. Arch., 1944, No. 7, 1–11.—**Venneman, H.** A summary of the activities of the United States Government in the field of war history. Minutes Subcom. Hist. Rec. (NRC) Wash., 1942, 186–90.—**Wright, Q.** Historic warfare. In his Study of War, Chic., 1942, 1: 101–65.

HODGKIN disease.

See **Granuloma malignum.**

HOLLAND.

For references to this country see the following headings of Military Section: **Hospital report; Morbidity; Navy Medical Service; Nurse corps; Pharmaceutical service; Psychiatry; Recruiting; Reserve officer; Tuberculosis; Venereal disease; Veterinary service; World War I; World War II.**

HOME.

See also **Disabled,** Care.

Knox, T. T. Report of an inspection of the several branches of the National Home for Disabled Volunteer Soldiers, made from July 15 to Oct. 22, 1902. 155p. 23cm. Wash., 1902.

Washington, D. C. National Home for Disabled Volunteer Soldiers. Report of the Board of Managers ... for the fiscal year ended June 30, 1919. 385p. 23½cm. Wash., 1920.

Board (The) for disabled soldiers [Japan] J. Am. M. Ass., 1938, 111: 1394.—**Deutsche** Soldatenheime in Frankreich. Aerztebl. Hessen, 1941, 9: 9.—**Sprague, C. H.** Fitch's Home for the Soldiers, Noroton Heights and Veterans' Home, Rocky Hill. Connecticut M. J., 1941, 5: 930–2.—**State** home for veterans given praise. Welf. Bull., Springf., 1939, 30: No. 6, 4.

HOMICIDE.

See with **Murder.**

HOMOLOGOUS serum jaundice.

See **Hepatitis,** Serum hepatitis.

HOMOSEXUALITY.

See also **Neurotic; Psychopath; Unfit.**

Leexow, K. F. v. Armee und Homosexualität; schadet Homosexualität der militärischen Tüchtigkeit einer Rasse? 112p. 21cm. Lpz., 1909. Forms No. 5, v. 2, Homosex. Schr., Lpz., 1914.

Anderson, C. On certain conscious and unconscious homosexual responses to warfare. Brit. J. M. Psychol., 1944, 20: 161–74.—**Dravo, E. L.** The problem of the psychopath in recruit training of the U. S. Navy. J. Indiana M. Ass., 1940, 33: 451.—**Hirschfeld, M.** Homosexuality and transvestitism. In his Sex. Hist. World War, N. Y., 1937, 134–51.—**Keenan, J. W.** Homosexuals. Surgeon Circ. M. Sect. Far East Command, 1948, 3: No. 11, 14.—**Liber, B.** Between mental health and mental disease. Med. Times, Lond., 1943, 71: 183–5.—**Loeser, L. H.** The sexual psychopath in the military service; a study of 270 cases. Am. J. Psychiat., 1945–46, 102: 92–101.—**Menninger, W. C.** Homosexuality. In his Psychiat. in a Troubled World, N. Y., 1948, 222–31.—**Myerson, A.** Sexual perverts; constitutional psychopaths; hysteria; malingerers.

Collect. Lect. Metrop. State Hosp., Waltham, 1942, 7: pt 1, 74–82.—**Psychiatry** and the problem of homosexuality. U. S. Nav. M. Bull., 1946, 46: 920–2.—**Rudolf, G. D.** Sex in the fighting services at an isolated station. Brit. J. M. Psychol., 1947–48, 21: 127–34.—**Wayne, D. M., Adams, M., & Rowe, L. A.** A study of military prisoners at a disciplinary barracks suspected of homosexual activities. Mil. Surgeon, 1947, 101: 499–504.

HONG Kong.

See under **Hospital report.**

HORSE.

See also **Chemical warfare,** Defense, veterinary; **Embarkation; Mule; Remount; Remount service.**

Basei [Horse administration; statistics] p.311–677. 25½cm. Tōkyō, 1899.

In: Dai Nippon Teikoku Rikugun-syō zyūni-kai tōkei nenpō (Japan. Rikugun-syō)

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 11/2: Das Truppenpferd; Körperbau, Erkrankungen, Futtermittel. 208p. 15cm. Berl., 1938.

Solanet, E. El caballo es arma de guerra. 6p. 26½cm. B. Air., 1942.

Cartwright, J. A. An appreciation of the noble animal in peace and war. J. R. Army Vet. Corps, 1943–44, 15: 21.—**Castañedo, J. A.** Armonía de lineas. Rev. san. mil., Habana, 1943, 7: 227–9.—**Chieffi, A.** O cavalo na guerra. Rev. mil. remonta vet., Rio, 1943–44, 6: No. 44, 65–71.—**Dogu, L.** Uçakların gürültülerine karşi atların korunması [How to train horses against the noises produced by aircraft] Askeri vet. mecmuası, 1948, 26: 152–5.—**Erdogu, N.** Suvari atlarımızın çapları ne olmalıdır? [The ideal measurements of our cavalry horses] Ibid., 97–113.—**Ergebnis** des vom Veterinärinspekteur im Oberkommando des Heeres veranstalteten Preisausschreibens über das Lied vom Truppenpferd. Zschr. Veterinärk., 1943, 55: 181–9.—**Morais Coutinho, A.** O cavalo e seu valor. Rev. mil. med. vet., Rio, 1939, 2: 1523.—**Orhan Erkurt** [The mechanism of the action of the horse's pastern] Askeri tibbi baytari mecmuası, 1936, 13: 394–8.—**Polhill, S. G.** War Animals Allies Fund (for Russian war horses) Vet. Rec., Lond., 1943, 55: 134.—**Schneider, R.** Statistik über den Ankauf von Artillerie-Bundespferden in den Jahren 1930–44 (15 Jahre) Schweiz. Arch. Tierh., 1945, 87: 91–3. ——— Statistik über Bestand, Krankheiten und Abgang von Pferden der Eidg. Pferderegieanstalt in Thun. Ibid., 94.—**Semeka, S.** Konnosanitarnaja rota. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1416–25, pl.—**Shuttleworth, A. C.** The function of the femoro-patellar joint of the horse. J. R. Army Vet. Corps, 1943–44, 15: 2–8.—**Simizu, K.** Bazi kankei-ka sikan no bazi tisiki kōzyō ni kan-suru hōsaku [Plans for the improvement of a knowledge of horses among the officers having to do with horses] Rikugun zyūidan hō, 1942, 918–25.—**Solanet, E.** El caballo es arma de guerra. Jornadas agronóm. vet., B. Air. (1941) 1942, 3. Congr., 33–6.

—— Breeding and care.

See also **Remount service; Veterinary Corps; Veterinary service.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 11/1: Das Truppenpferd; Pferdepflege, Stallpflege, Füttern und Tränken. 72p. 15cm. Berl., 1937.

Alix. A propos de la réplique de M. le Doctor Vétérinaire P. Stavrescu, général de brigade, concernant la création des races par l'exercice des organes. Bull. Acad. vét. France, 1929, 2: 98.—**Artificial** feeding of Army horses. Vet. Med., Chic., 1942, 37: 347.—**Barreto, L. F.** Criação do cavalo militar. Rev. mil. med. vet., Rio, 1941, 4: 3154–9.—**Becker, E.** Die neuzeitliche Zahnpflege beim Truppenpferd. Zschr. Veterinärk., 1944, 56: 179–88.—**Castañedo, J. A.** Los caballos árabes, como sementales, no tienen más que un inconveniente; de que sus crías resultan algo pequeñas. Rev. san. mil., Habana, 1943, 7: 158.—**China** establishes stations for breeding army horses. Vet. Med., Chic., 1942, 37: 316.—**Earle, I. P., Ellis, N. R., & Greer, C. S.** Minimum roughage requirements of horses. Army Vet. Bull., 1943, 37: 95–109.—**Fretz, W.** A raça bretã. Rev. mil. remonta vet., Rio, 1945, 7: No. 48, 5–8.—**Inchausti, D.** Aptidão do cavalo puro sangue inglêz fóra do hipódromo. Rev. mil. med. vet., Rio, 1942, 5: 57.—**Jennings, W. E.** Twelve years of horse breeding in the Army. J. Am. Vet. M. Ass., 1950, 116: 11–6.—**Kansō** no tyōsei oyobi tyozō ni tuite [The manufacture of hay and its storage] Rikugun zyūidan hō, 1942, 1153–9.—**Ken-ba** taisaku zissi yōryō [Practical measures for keeping horses well] Ibid., 1290–5.—**Knowles, R. H.** The rational clipping of Army horses and mules. J. R. Army Vet. Corps, 1941–42, 13: 78–82.—**Kurai, K.** [Throwing horses by McKillip method] Voj. zdrav. listy, 1926, 2: 118.—**Mackinnon, M. M.** Some observations on Japanese animal management. J. R. Army Vet. Corps, 1944–45, 16: 155.—**Matubara, S.** An-syō no yobō to taisaku [Methods of prevention and treatment of saddle-sores] Rikugun zyūidan hō, 1942, 37–48.—**Netti** ni okeru ken-ma taisaku ni tuite [Health measures for horses in hot countries] Ibid., 136–42.—**Osman Zeki.** Garnizonlarda ath kitaat ahurlari ve hayvanati çalistirma tarzlaii nasil olmalidir [Les écuries dans les garnisons et la manière de faire travailler les chevaux] Askeri tibbi baytari mecmuası, 1932–33, 10: 414–23.—**Remount** breeding and breeding disease data. Vet. Bull., Carlisle, 1940, 34: 310–2.—**Rix, J. C.** The horses of the surrendered enemy in Austria. J. R. Army Vet. Corps, 1945–46, 17: 57–64.—**Rochefrette.** Le cheval du Sud-Indochinois; élevage, utilisation civile et militaire. Rev. vét. mil., Par., 1947, 2: 79–120.—**Rupprecht.** Einiges über Vollblutrennen und über den Vollblüter im deutschen Heer. Zschr. Veterinärk., 1941, 53: 318–25.—**Sanz Egaña, C.** Cría caballar; los veterinarios militares. In his Hist. vet. españ., Madr., 1941, 413–6.—**Sataka, H.** Gunba hoiku kansei ni si-suru gutai-teki taisaku ni tuite [Practical measures useful in the completion of the training of the war horse] Rikugun zyūidan hō, 1942, 13–36.—**Souza Vieira, M.** Normas para criaçao e trato dos animais puro sangue inglês. Rev. mil. med. vet., Rio, 1942, 5: 33–44, pl.—**Tabe, Y.** Omoto Butai ni okeru kikō ansyō yobō-hō ni tuite [Method of prevention of saddle sores on the back, in the Omoto Regiment] Rikugun zyūidan hō, 1942, 519–25, 4 pl.—**Tanaka, M.** Konzi zihen no keiken ni kangami yasen ni okeru gotei no kōzyō-saku ni tuite [Measures for the improvement of the protection of the hoofs of horses during battle, based upon experience in this war] Ibid., 120–6.—**Townsend, C. H. S.** A method of numbering and marking Army animals; adopted in the Central Mediterranean Force. J. R. Army Vet. Corps, 1944–45, 16: 141–4.—**Uma** ryōsei senpō ni tuite [Methods of choosing fodder for horses] Rikugun zyūidan hō, 1942, 1280.—**Uncle** Sam, the world's largest horse breeder. Army Vet. Bull., 1943, 37: 248.—**Vallet, L.** Le demi-sang allemand et les marques au fer chaud des chevaux allemands. Rev. vét. mil., Par., 1948, 251–67.

—— Disease.

See also such terms as **Encephalomyelitis; Epizootic; Foot-and-mouth disease; Glanders,** etc.; also **Hospital,** veterinary.

United States. War Department. Army Regulations No. 40–2115; Medical Department: Communicable diseases of animals, shipping fever. 3p. 8°. Wash., 1921.

Akerblom, E. Etiologia das laminites. Rev. mil. remonta vet., Rio, 1945, 7: No. 49, 95.—**Bain, A. N.** Treatment of lice in horses. J. R. Army Vet. Corps, 1940–41, 12: 156.—**Bassett, C. S.** Vaccination of equines for the prevention of African horse sickness. Med. Bull. Medit. Theater U. S., 1944, 2: 176–80.—**Belet & Moll.** Relation d'un cas d'incarcération du duodénum à travers une déchirure double du grand mésentère. Rev. vét. mil., Par., 1935, 19: 593–5.—**Bennison, J. C.** Demodicosis of horses with particular reference to equine members of the genus Demodex. J. R. Army Vet. Corps, 1942–43, 14: 34; 66.—**Blount, W. P., & Alexander, F. C.** Subcutaneous emphysema of tracheal origin in the horse. Ibid., 1944–45, 16: 152–4.—**Butz, H., & Sonnenbrodt.** Konstitutionsmängel und Erbfehler unserer Warmblutzuchten. Vet. Bull., Lond., 1942, 12: 547 (Abstr.)—**Costa, D.** Contribuição para o estudo do tratamento da habronemose cutanea. Rev. mil. med. vet., Rio, 1942, 5: 63–6, 4 pl.—**Eberbeck.** Zur Bekämpfung der Pferdeseuchen, insbesondere des ansteckenden Katarrhs der Luftwege und seiner Folgeerscheinungen im Kriege. Zschr. Veterinärk., 1941, 53: 311–5.—**Emminger, A. C.** African horse sickness. Med. Bull. Medit. Theater U. S., 1944, 2: 169–76.—**Equine** influenza. Res. Program U. S. Army M. Res. Bd, 1946, July, 132; Oct., 179.—**Equine** influenza and complications. Ibid., 1948, Jan., 167.—**Gebauer.** Ueber einen Fall von Rückgradverkrümmung bei einem Truppenpferd. Zschr. Veterinärk., 1941, 53: 421–3.—**Goldbeck, T.** Das Militär-Veterinärwesen und die Krankheits-Statistik der Armeepferde aller Kulturstaaten [Report by E. Bohm] Svensk veterinärtidskr., 1908, 13: 464–6.—**Hulûsi Nartman.** Nadir raslanan karakteristik bir meri tesennücü ve tedavisi. Askerî vet. mecmuası, 1941, 19: 130–3.—**Jones, T. C., & Jennings, W. E.** Equine influenza and related respiratory diseases in horses; epizootiological and clinical observations. Army Vet. Bull., 1943, 37: 218–30.—**Kaityū** ni kiin-suru to suitei-seraru nōmaku-nōen no iti rei [A case of meningo-encephalitis with Ascaris lumbricoides as the suspected cause] Rikugun zyūidan hō, 1942, 697–9.—**Kumagai, T.** Zin-tyū ni okeru gunba sinryō seiseki no kōzyō saku [Improvement of medical treatment of war horses in the field] Ibid., 1–12.—**McNellis, R.** Fuadin in the treatment of verminous dermatitis in horses. Army Vet. Bull., 1942, 36: 93–5.—**Macrae, R. I.** An unusual case of wind-sucking. J. R. Army Vet. Corps, 1941–42, 13: 125.—**Mehnert.** Ein Beitrag zur Klärung der Erschöpfungsursachen bei Pferden im russischen Feldzug 1941. Zschr. Veterinärk., 1944, 56: 88–95.—**Necib Zobu** [Eye diseases (in horses)] Askerî tibbi baytari mecmuası, 1937, 15: 135–50.—**Oppermann, M.** Beobachtungen am Zirkulationsapparat und Blutbild ausgemusterter und erschöpfter, entkräfteter Heerespferde. Deut. tierärztl. Wschr., 1943, 51: 126–31.—**Peters.** Beitrag zur Wurmbehandlung der Truppenpferde. Zschr. Veterinärk., 1943, 55: 27.—**Quevedo, J. M.**

Resultados obtidos com a fenotiazina em cavalos portadores de parasitas gastro-intestinais. Rev. mil. remonta vet., Rio, 1945, 7: No. 48, 28.—**Rexroth, E.** Beitrag zum klinischen und pathologisch-anatomischen Bild des ansteckenden Katarrhs der Luftwege, nach Beobachtungen bei der Truppe. Zschr. Veterinärk., 1941, 53: 371–90.—**Riza Esref.** Bir Beygir ve bir Esterde adalei kalbin Melâno sarkomu [Mélanosarcome du muscle cardiaque chez un cheval et chez un mulet] Askerî tibbi baytari mecmuası, 1932–33, 10: 569–83.—**Robertson, A. I.** Gastrophilus equi in a pony. J. R. Army Vet. Corps, 1943–44, 15: 65.—**Saitō, R.** Butai ni okeru sentū (syasen) no tōkei-teki kansatu [Statistical observations on colic in the regiment] Rikugun zyūidan hō, 1942, 812–7.—**Seymour, R. T., & Stevenson, D. S.** Equine respiratory diseases in newly purchased animals. Army Vet. Bull., 1942, 36: 81–92.—**Short, G. V.** Further notes on the pathology of the fundus of the horse's eye. J. R. Army Vet. Corps, 1939–40, 11: 90–2.—**Silva, C. G.** Contribuição ao estudo do cavalo Bretão Postier no Brasil; a pelagem em face da patologia e da heredologia. Rev. mil. remonta vet., Rio, 1947, 9: No. 51, 24–6.—**Steck, W.** Zur Feststellung und Bekämpfung der heute verbreiteten Seuchen des Dienstpferdes. Schweiz. Arch. Tierh., 1942, 84: 1–13.—**Steffan, H.** Jahr (1) Bekämpfung des ansteckenden Katarrhs der Luftwege, Pferdegrippe, im Heer mittels des Streptocin-Eubasin-Verfahrens. Zschr. Veterinärk., 1944, 56: 160–8.—**Uma** no syusikotu syōgai tiken go rei ni tuite [Five cases of successful treatment of trouble with the sesamoid bones in the horse] Rikugun zyūidan hō, 1942, 1146–52, 2 pl.—**Vieira Loureiro, M.** Mormo. Rev. mil. med. vet., Rio, 1939, 2: 1363–74.—**Weischer, F.** Vermeidung von Verlusten und Schäden durch Hufrehe bei Truppenpferden. Berl. tierärztl. Wschr., 1940, 77.

—— Employment.

See also **Remount; Transportation.**

Ante-projeto de julgamento de animais cavalares na IV exposição de animais de Mato Grosso. Rev. mil. remonta vet., Rio, 1945, 7: No. 49, 66–8.—**Baumgart.** Erfahrungen mit den nach Deutsch-Südwestafrika eingeführten Pferden und Maultieren. Arch. wiss. prakt. Tierh., 1905, 31: 484–99.—**Carrera, A.** Caballos de resistencia. Rev. med. vet., B. Air., 1942, 24: 86–94.—**Gillmor, D. A.** Equine practice evolution from a military point of view. Vet. Rec., Lond., 1944, 56: 149–51.—**Goldbeck, P.** La situation des vétérinaires militaires et la statistique médicale des chévaux de l'armée dans tous les pays civilisés [Rapport par C. ...] Répert. police san. vét. hyg. pub., 1908, 24: Bull. mil., 33; 89; 109; 141.—**Hardy, E. N.** The horse in modern warfare. Vet. Med., Chic., 1942, 37: 313. ——— When the Red Cavalry charges the toll of animals is indescribable. Ibid., 324.—**Hofe, F. W.** Einführung in die neue Gebirgsremontierung; die in Deutschland erstandene Zucht von Maultieren und Haflingern sowie deren heereseigene Aufzucht als Tragtierersatz für unsere Gebirgstruppen. Zschr. Veterinärk., 1943, 55: 333; 1944, 56: 1.—**Hogreve, F.** Das nordafrikanische Berberpferd und seine Eignung für die deutsche Wehrmacht; zugleich ein Vergleich zu deutschen und ausserdeutschen Vollblut- und Warmblutpferden. Ibid., 1944, 56: 293–304.—**Horse** (The) goes back to war. Army Vet. Bull., 1942, 36: 133–5.—**Horses** in the German Army. Vet. Bull., Carlisle, 1940, 34: 374.—**Horses** in the march of man. J. Am. Vet. M. Ass., 1942, 100: 487.—**Horses,** mules have important place in new military set-up. Ibid., 1941, 99: 303.—**Osman Zheki.** Umumî harpta Ingiliz ordusunun istihdam ettiği muhtelif at irklarile bu irklarda görülen faide ve mazarratlar [Races des chevaux employées dans l'armée anglaise pendant la guerre mondiale, leurs avantages et inconvénients observés] Askeri tibbi baytari mecmuasi, 1932–33, 10: 653–65.—**Smith, D. F. G.** The 3-horsed wagon. J. R. Army Vet. Corps, 1941–42, 13: 82.—**They'll** help win the war. J. Am. Vet. M. Ass., 1942, 101: 147.

—— Equipment.

Quittek. Beschreibung einer Pferdeführlein. Zschr. Veterinärk., 1944, 56: 17–23.—**Savenko, G.** Viuk. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1070.

—— Examination.

Flemming. Untersuchungen von Pferdeaugen. Zschr. Veterinärk., 1928, 40: 229–35.—**Laméris, F.** Oogonderzoek bij militaire paarden. Tschr. veeartsenijk., 1908–09, 36: 475–85.—**Severo Barbosa.** Conhecimentos indispensaveis ao estudo da idade do cavalo. Rev. mil. med. vet., Rio, 1939, 2: 1023–41.—**Yugawa, T., Itō, S., & Nakai, T.** Nagoya-si ni okeru uma kensa zissi hōkoku [... examination of horses in the city of Nagoya] Rikugun zyūidan hō, 1942, 1301–16.

—— Human pathological aspect.

Comisseti. Storia di farcino accidentale trasmesso dal cavallo all'uomo e da questo al cavallo per via d'inoculazione. Gior. med. mil., 1851–52, 1: 289–93.—**Koepplin, F.** Gleichzeitiges Auftreten von Skalma bei Pferden und von drüsenfieberähnlichen Erkrankungen beim Menschen. Vjschr. schweiz. Sanitätsoff., 1935, 12: 49–53.—**Sprügel, W.** Verursacht Einatmen von Hautschuppen enthaltendem Pferdestaub Allergie gegenüber Pferdeserum? Deut. Militärarzt, 1940, 5: 559.

—— Injury.

See also **Gas poisoning**—in animals.

Blount, W. P., & Johnston, J. H. Multiple phosphorus burns in horses. J. R. Army Vet. Corps, 1944–45, 16: 192.—**Jockvić, M. S.** [Interesting case of mechanical injury of the skin in horses caused by hay] Voj. san. glasnik, 1940, 11: 765–7.—**Lebailly, J.** Luxation externe et bilatérale de la calotte calcanéenne sur un cheval de pur sang. Rev. vét. mil., Par., 1948, 3: 205–8.—**Shuja, J.** Fracture of the second phalanx (os corona) in a horse, due to enemy action. Vet. Rec., Lond., 1945, 57: 492.

—— Transportation [incl. housing]

Bardez & Pallas. Transit des chevaux butin de guerre. Rev. vét. mil., Par., 1947, 2: 121–37.—**Dittmar.** Uber die Unterbringung der Truppenpferde an der Ostfront im Winter 1941/42. Zschr. Veterinärk. 1943, 55: 11–20.—**Fischer.** Ueber die Zweckmässigkeit von Laufständen in Militärstallungen. Ibid., 1926, 38: 236–9.—**Netti** ni okeru suna-babō no riyō ni tuite [The use of sand shelters for horses in tropical lands] Rikugun zyūidan hō, 1942, 296–8.—**Ohmori, T.** Dai Tō-A sensō ni okeru gunba no senpaku yusō eisei ni tuite [Sanitation in the transportation of horses by ship during the great East Asian War] Ibid., 1347.—**Rupprecht.** Pferdeställe, Stallzelte, Reithäuser und Reitplätze beim deutschen Heer und bei fremden Heeren. Zschr. Veterinärk., 1942, 54: 3; 53.—**Satō, R.** Waga gunba no Sumatra nan-sin ki [Record of the journey of Japanese army horses to Southern Sumatra] Rikugun zyūidan hō, 1942, 1440–7.

HOSPITAL.

See also **Dispensary; Prisoner of war,** Hospital; also the subsequent headings.

Gullström, A. Några ord angående den militära sjukvården. Sven. läk. tidn., 1948, 45: 1286–8.—**Kirk, N. T.** Hospital victory. Crippled Child, 1946–47, 24: 47.—**Sand, R.** Les hôpitaux militaires. In his Vers la méd. sociale, Liége, 1948, 91.—**Wiley, B. I.** Liaison at hospitals and redistribution centers. In: U. S. Army in World War II, Wash., 1947, AGF 1: 491–4.

—— airborne.

United States. Air Force. School of Aviation Medicine. Research report, project No. 832, report No. 1: Airborne movement of field hospital, T/O & E 8–510, 31 Aug. 44. 36p. 27cm. Randolph Field, 1944.

Clark, D. M. Airborne hospital shelter unit. Air Surgeon Bull., 1944, 1: No. 5, 22.—**Schuessler, C. F.** Development of an airborne field hospital. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 20; Oct., 18; 1948, Jan., 40. ——— Progress in the development of airborne hospitals. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 142–6.

—— Air raid protection.

See under **Hospital administration,** Protection.

—— auxiliary.

Chicago Beach Hotel becomes hospital for Air Force. Illinois M. J., 1942, 82: 421.—**M. I.** room as a clinic. Bull. Army M. Dep., Lond., 1943, No. 24, 4.—**Ogle, D. C.** A hotel makes good as a hospital. Mod. Hosp., 1943, 61: No. 2, 55.—**Rudolph, G., & Williams, E.** Converting hotel to Naval hospital. Am. J. Nurs., 1942, 42: 1009–11.—**Wulp, G. A.** Wartime and auxiliary and emergency hospitals. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 202–4.

—— Aviation hospital.

Aviation hospitals. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 5: 398–415.—**Polov, A.** Armejskij aviacionnyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 254–6.

—— Base hospital.

See subheading (general)

—— Battalion hospital.

Sánchez, V. J. A Battalion hospital in Russia. Mil. Rev. Fort Leavenw., 1942–43, 23: No. 8, 16.

—— Camp hospital.

Camp hospitals, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 2: 749–90.—**Masoner, K. W.** Adequate hospital facilities being provided for military training camps. Hosp. Management, 1940, 50: No. 5, 13–5.

—— captured.

Arnold, C. H. Captured German military hospitals. In: Interallied Conf. War Med. (1942–45) 1947, 395.

—— convalescent.

See also **Convalescent.**

Grimm. Brief aus Marienbad. Prag. med. Wschr., 1915, **40**: 103–6.—**Vidaurreta, M. F.** Hospital militar de reposo, convalecientes e inválidos. Rev. mil., B. Air., 1946, **46**: pt 2, 761–5.

—— Demobilization.

Discontinuance of hospitals, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 807–12.

—— Dental clinic.

See **Ambulance,** dental; **Dental service,** Mobile unit.

—— Desert hospital.

See with **Desert warfare.**

—— Evacuation hospital.

See also **Ambulance; Ambulance service; Evacuation; Injury,** Treatment: Hospitalization.

Cherniak, I. M. Sortirovočnye evakuacionnye hospitali frontovogo tyla. Tr. Evakohosp., Leningr., 1943, No. 5, 5–22.—**Evacuation** hospital; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 289–301.—**Evacuation** hospital organized. J. Am. M. Ass., 1940, **115**: 1284.—**Geiger, A. J.** Some rules for emergency evacuation, hospitals can be ready, be it war or peace. Hospitals, 1943, **17**: No. 8, 68–71.—**Gorinevskaia, V.** [Hospitals for slightly wounded at the rear of the front-line] Voen. san. delo, 1941, No. 11, 9–12.—**Gueullette, R.** Le travail d'un hôpital d'évacuation primaire pendant le premier mois de la guerre. Mém. Acad. chir., Par., 1940, **66**: 117–9.—**Gurevich, S. A.** [Hygiene of evacuation hospitals] Hig. & san., Moskva, 1943, **8**: No. 4, 12–7.—**Ilchenko, P. Y.** Opyt organizacii raboty evakohospitalja. Voen. san. delo, 1940, No. 10, 66–9.—**Makhnovsky, D. G.** [Results of the work of rear evacuation hospitals] Ibid., 1941, No. 8, 89.—**Martín Monzón, A.** Hospitales de evacuación; organización y funcionamiento. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 556–73.—**McCornack, C. C.** The organization and administration of surgical and evacuation hospitals. Mil. Surgeon, 1927, **60**: 381–96, pl.—**Pereira Machado, M.** O problema das evacuações sanitárias em campanha; funcionamento do hospital de evacuação. Bol. Dir. serv. saúde mil., 1939, 67–123.—**Pesis, A.** Sortirovočnyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–49, **5**: 221–32.—**Reid, H. S.** Changes due to combat experience in the E. T. O. on the erecting and ground plan of an evacuation hospital. Mil. Surgeon, 1947, **101**: 109–14.—**Rufanov, I. G., & Rostotsky, I. B.** Obščestvennost v evakohospitaliakh. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 50.—**Unit** training of evacuation hospitals. Bull. U. S. Army M. Dep., 1945, No. 88, 69–77.—**War-time** evacuation hospital will be organized. J. Oklahoma M. Ass., 1941, **34**: 68.—**Weinberger, M.** Hospital de evacuação. Rev. brasil. cir., 1945, **14**: 299–312.—**Zavalishin, N. I.** Kontrolnoevakuacionnyj hospital (KEG) Voen. med. J., Moskva, 1945, No. 12, 33–8.

—— Evacuation hospital, semimobile.

Martin, P. H. Movement of an evacuation hospital (SM) by air. Mil. Surgeon, 1947, **101**: 202–4.—**Schickelé, M. J. A.** L'hôpital d'évacuation primaire. Arch. méd. pharm. mil., 1930, **92**: 207–55.—**Timofeev, N.** Kontrolno-evakuacionnyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 14–20.

—— Evacuation hospital, stable.

MacFee, W. F. Plan for setting up a 750-bed evacuation hospital. Bull. U. S. Army M. Dep., 1945, No. 85, 61–3.

—— Field hospital.

See also **Battle,** Medical work.

Jurriaanse, A. *Veldambulances en wondbehandeling te velde. 87p. 23½cm. Leiden, 1902.

Abreu, F. de. Ambulancia mixta; celula cirúrgica. Rev. med. mil., Rio, 1936, **25**: 26.—**Bondar, Z. A.** [Characteristics of the work of the therapeutic section of a forward field hospital] Klin. med., Moskva, 1943, **21**: 67–71.—**Butcher, T. A.** Some field ambulance notes. J. R. Army M. Corps, 1941, **77**: 87–91.—**Dowse, J. C. A.** Mechanization and the modern field ambulance. Ibid., 1939, **72**: 374–83.—**Drossbach, M.** Feldlazarett im Einsatz. Münch. med. Wschr., 1941, **88**: 595–8. Also Schweiz. med. Wschr., 1942, **72**: 26 (Abstr.)—**Field** hospitals in the making. Nurs. Times, Lond., 1943, **39**: 707.—**Kinnear, J.** A territorial field ambulance at home. J. R. Army M. Corps, 1937, **69**: 255–7.—**Molchanov, N.** Terapevtičeskij polevoj podviźnoj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 463–5.—**Perman, E.** Riktlinjer för organisationen av landstridskrafternas sjukvård i fält. In: Handledn. & Försvarsmed., Stockh., 1940, 1: 15–26.—**Polevoj** podviźnoj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 713–6.—**Saugman, E.** [Field hospitals] Militaerlaegen, 1935, **41**: 150–72.—**Teneff, S.** Ospedale da campo. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 29.—**Uses** and operation of a field hospital. Bull. U. S. Army M. Dep., 1945, No. 84, 2–4.

—— general [C Z]

United States. War Department. Army regulations No. 40–600: Medical Department: General hospitals; general provisions. 1p. 8° Wash., 1926. Also another edition, 3p. 8° Wash., 1934.

Base hospitals ordered abroad. J. Am. M. Ass., 1917, **68**: 1486.—**Dubs.** Aufgabe und Begriff des Basis-Spitales. Vjschr. schweiz. Sanitätsoff., 1935, **12**: 75–88.—**General** hospitals to active duty. Mil. Surgeon, 1942, **90**: 329.—**Hetrick, L. E.** General hospital. Ibid., 1936, **78**: 199–204.—**Lawrence, C. S.** The function of base hospitals in war. Tr. M. Soc. N. Carolina, 1924, **71**: 128.—**McCrae, T.** The medical side of a military base hospital. Ibid., 1918, **65**: 305–10.—**Organization** of emergency base hospitals. J. Am. M. Ass., 1942, **120**: 57.—**Rutherford, R.** Some points on base hospital organization, tented. J. R. Army M. Corps, 1942, **79**: 176–89.—**Stone, H. B.** Base hospital 18, twenty years after. Johns Hopkins Alumni Mag., 1928, **26**: 47–50.—**[U. S. Navy]** Mobile base hospital. Mil. Surgeon, 1941, **88**: 75.—**Walker, S. G.** Teething troubles of a general hospital in the field. J. R. Army M. Corps, 1940, **75**: 358–66.

—— House organ.

See also **Journalism.**

Anchor lines. N. Y., v.**1**, No. 1 1945–

Ashford (The) news. White Sulphur Springs, W. Va., v.**1**, No. 2, 1943– v**4**, No. 10, 1946.

Beacon (The) Augusta Ga., v.**1**, 1949–
Continuation of the Oliver beacon.

Beaumont news. El Paso, v.**3**, No. 51, 1946–

Billings billboard. Fort Benjamin Harrison, Ind., v.**1**, No. 13, 1943–

Brooke bluebonnet broadcast. Fort Sam Houston, v.**1**, No. 1, 1944–

Bushnell (The) bugle. Brigham City, v.**11**, No. 4, 1944–

Cadence (The) v.**5**, No. 17-v.**6**, No. 20. 2v. 45cm. Camp Upton, 1945–46.
Continuation of the Upton nooz.

Caducean (The) Fort Shafter, T. H., v.**1**, No. 5, 1945–

Deshon diary. Butler, Pa., Jan. 18, 1945-Oct. 15, 1945.

Deshonnaire. Butler, Pa., v.**1**, 1943–v.**3**, No. 16, 1944; [n. ser.] v.**1**, No. 1, 1944–
v.**1**, No. 1–2, called: An unnamed weekly.

Dibble data. Menlo Park, Calif., v.**1**, 1945-v.**2**, No. 4, 1946.
Title varies: v.**1**, Nos. 1–7 as: Dibble news. Discontinued with v.**2**, No. 4, 1946.

Dry dock; news of the Naval Hospital, San Diego, Calif. S. Diego, v.**2**, No. 28, 1943–

Fog horn; Letterman General Hospital. S. Franc., v.**3**, No. 12, 1943–

Hammond Rx, bian foru. Modesto, v.**1–3**, No. 50, 1943–45.

Hospital hi-lites. Aiea Heights, v.**2**, No. 6, 1944–

Hospital (The) review. Williamsbridge, N. Y., v.**1**, 1918–

Mason post. Brentwood, L. I., v.**1**, No. 0, 1945.
Duplicates, in part, material contained in v.**1**, No. 1 of the Spotlite issued on the same day.

Mayonews. Galesburg, Ill., v.**1**, No. 2, 1944–

Northington news. Tuscaloosa, Ala., v.**1**, No. 5, 1944–
Title varies slightly: Northington General Hospital news, v. **1**, Nos. 1–?49, 1944.

Oliver beacon. Augusta, Ga., v.3, No. 64, 1944–

Outfit. N. Y., v.1, No. 1, 1944–

Panacea. Shoemaker, Calif., v.2–4, 1944–46.

Percy Jones General Hospital news. v.1, No. 5. 1 No. 28cm. Battle Creek, 1944.

Red (The) robe. S. Antonio, No. 1, 1944–

St. Albans Hospital news. v.2, No. 1–12. 12 Nos. 22½cm. S. Albans, N. Y., 1944.

San Leandro Naval Hospital news. S. Leandro, v.1, No. 2, 1944–

Santana (The) Long Beach, Calif., v.2, Nos. 8/9, 1945–

Spotlite (The) Brentwood, N. Y., v.1, No. 1, 1945–

Tilton talk. Fort Dix, v.3, No. 19, 1943–

Top billings. Fort Benjamin Harrison, Ind., v.2, No. 7, 1945–

Continuation of: Billings billboard, v.1, No. 13, 1943– v.2, No. ?, 1944.

—— infectious.

Boldyrev, T. Infekcionnyj polevoj podviźnoj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 966–75.—**Chervonyi, D. K.** Infekcionnoe otdelenie na Maloi Zemle. Voen. med. J., Moskva, 1947, No. 3, 36.—**Pfeffer.** Feldlazarett im Einsatz als Seuchenlazarett. Deut. Aerztebl., 1943, 73: 186.—**Tribulev, G. P.** [Experience of a hospital for infectious diseases under field conditions] Voen. san. delo, 1942, No. 7, 42–6.

—— Inspection.

United States. Veterans Administration. Technical bulletin TB 10A–123: Inspection of facilities and survey of care of VA patients at non-VA hospitals. 9p. 27cm. Wash., 1948.

Walson, C. M. Observations at Army hospitals. Army M. Bull., 1937, No. 42, 65–72.

—— Laws and rules.

See also **Hospital administration**, Rules and regulations.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 193/5: Reichswehr–Sanitäts-Vorschrift. Teil 5: Lazarette. 47 [i. e. 57] p. 21cm. Berl., 1935.

—— [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Markblatt 53/3: Sprachverständigungstafel für den Lazarettgebrauch. 11p. 14½cm. Berl., 1943.

Germany. Reichskriegsministerium. Heer und Marine, Reichswehr-Sanitäts-Vorschrift, Teil 5: Lazarette vom 29. Dezember 1934. 47p. 8° Berl., 1935.

United States. War Department. Army Regulations No. 40–580; Medical Department: Hospitals, general provisions. 3p. 8° Wash., 1929.

United States. War Department. Technical manual TM 8–260: Fixed hospitals of the Medical Department (General and Station hospitals) 271p. 23cm. Wash., 1941.

Medical bills in Congress. J. Am. M. Ass., 1939, 113: 338.—**Peeters, H.** [Regulations of a military hospital probably of the 17th century] Geneesk. gids, 1928, 6: 28–36.—**Rakhmanov, A.** Raspisanie boleznej. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1049–51.—**Steiner, E.** Die Unterstellung der Spitäler unter das Militärstrafrecht. Veska Zschr., Luzern, 1940, 4: 3.

—— mobile.

See also **Hospital report**, France.

Army mobile hospital. Mil. Surgeon, 1940, 87: 470.—**Johnson, L. W.** An experiment in hospital mobility. War Med., Chic., 1941, 1: 646–55. ——— Where the Navy goes, there go the mobile hospitals. Mod. Hosp., 1943, 61: No. 4, 53–6.—**Marcovigi, G.** Descrizione della tenda-baracca con pavimento smontabile dell'ambulanza chirurgica mobile di armata. Riv. ingegn. san., 1917, 13: 73–6.—**Mobile** hospitals, general information regarding. Bumed News Lett., Wash., 1943, 2: No. 2, 6.—**Shahbazian, E. S.,** & **Martynov, D. A.** [Surgical work of a field mobile hospital] Khirurgia, Moskva, 1942, No. 9, 23–9.

—— naval.

See also **Hospital ship.**

Dunbar, W. M. How the Navy meets an emergency. Mod. Hosp., 1943, 61: No. 2, 62–4.—**McKinney, J. M.** Function of the United States Naval Hospital. Arch. Neur. Psychiat., Chic., 1946, 55: 549.—**Rozanov, P.** Hospital voenno-morskoj razvertyvaetsja. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 166–75.

—— neurological.

See **Neurology,** Hospitals.

—— orthopedic.

See **Orthopedics,** Hospital.

—— otorhinolaryngological.

See **Otorhinolaryngology,** Hospital.

—— portable surgical.

See also **Wounded,** Treatment.

Campagne, J. *A propos du fonctionnement d'une ambulance chirurgicale légère dans une guerre de mouvement. 30p. 24cm. Par., 1941.

Hetrick, L. E. The surgical hospital. Mil. Surgeon, 1936, 79: 372–8.—**Kramer, F.** Mobilization type hospitals. Army M. Bull., 1935, No. 31, 1–19.—**Kuprijanov, P. A.** Khirurgičeskaja rabota v vojskovykh i armejskikh polevykh podviźnykh hospitaljakh; hospitalnaja baza armii. In: Kratkii kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva., 1942, 103–14.—**Portable** (The) surgical hospital. Bull. U. S. Army M. Dep., 1943, No. 69, 7.—**Surgical** hospitals in the field. J. Am. M. Ass., 1941, 116: 1228.—**Voitenko, M.** Khirurgičeskij polevoj podviźnoj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 877–80.

—— Port hospital.

Embarkation and debarkation hospitals. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 5: 426–81.—**Hosford, J.** At a port hospital. In: Interallied Conf. War Med. (1942–45) 1947, 431–3.

—— Preparedness.

See also **Preparedness.**

New York, N. Y. United Hospital Fund of New York. Civilian hospitals in wartime [20]p. 22½cm. N. Y., 1943.

Black, B. W. Hospitals in war time. Bull. Am. Coll. Surgeons, 1943, 28: 193.—**Cannon, I. M.** The civilian hospital in wartime from the point of view of medical social service. Hospitals, 1942, 16: No. 12, 38–41.—**Carter, F. G.** The opportunities of war. Ibid., 27–30.—**Civilian** hospitals and the war. Canad. Hosp., 1946, 23: 48.—**Classification** (The) of public hospitals into essential and non-essential groups. Med. J. Australia, 1942, 2: 448–51.—**Davis, B. M.** Wartime activities at Duke Hospital. Johns Hopkins Nurs. Alumnae Mag., 1943, 42: 101.—**Emch, A. F.** The role of voluntary hospitals in a national emergency. Hosp. Counc. Bull., 1940, 3: No. 9, 12–20.—**Ettenheim, G. P.** Meeting the test of war. Mod. Hosp., 1942, 59: No. 2, 82.—**Exhibits** (The) at the St Louis War Conference of Hospitals. Hospitals, 1942, 16: No. 10, 85–116.—**Franklin, J. B.** Approaching hospital problems of wartime with proper perspective and psychology. Ibid., 1943, 17: No. 5, 96.—**Grahame, A.** Government spending 50 millions for wartime aid to hospitals. Med. Econom., 1943–44, 21: 46–9.—**Healy, J. J.** Hospitals and the war. Bull. Am. Coll. Surgeons, 1942, 27: 171.—**Healy, L. R.** Hospitals and patients face war together. Hosp. Counc. Bull., 1943, 6: No. 5, 9–11.—**Hedden, H.** Hospitals in war time. Memphis M. J., 1943, 18: 18–20.—**Hockett, A. J.** Blueprinting your hospital for war. Hospitals, 1943, 17: No. 2, 48–50.—**Hospital** (The) and the community. Am. J. Nurs., 1942, 42: 1404–8.—**Irwin, J. W.** Morale on the hospital front. Hospitals, 1943, 17: 40–2.—**Johnson, L. W.** Can our hospitals survive? Hygeia, Chic., 1942, 20: 676–8.—**Klaus, K.** Za války ve všeobecné nemocnici. Cas. lék. česk., 1945, 84: 846–9.—**Lehmann.** Schliessung von Krankenanstalten. Münch. med. Wschr., 1943, 90: 321.—**MacCurdy, F.** Hospitals and local health defense. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 113–5.—**MacEachern, M. T.** Hospital and administrative problems in wartime civilian medical practice. Med. Ann. District of Columbia, 1944, 13: 24–9.—**MacLean, B. C.** Hospitals now and after the war. Hospitals, 1942, 16: No. 6, 13–8.—**McNutt, P. V.** Hospitals in the war. Ibid., No. 11, 19–23. Also West Virginia M. J., 1942, 38: 453–8.—**Maverick, M.** Civilian hospitals and the war. Hospitals, 1943, 17: No. 3, 13–7.—**Mitchell, T. C.** How the war is affecting the nation's hospitals; speakers at recent meetings highlight hospital problems. Med. Econom., 1942, 20: No. 3, 50.—**Naxon, N. W., MacEachern, M. T.** [et al.] Report of Subcommittee on Hospitals; Health and Medical Committee of the Office of Defense Health and Welfare

Services of the United States Government. Hospitals, 1942, **16**: No. 12, 78.—**Patricia, M.** (Sister) Conservation of personnel, supplies, and labor. Minnesota M., 1942, **25**: 550–2.—**Plumley, M. L.** Federal aid to hospitals; war-time assistance under the Lanham Act. Med. Care, 1943, **3**: 6–14.—**Protestant** (The) hospital and the war, 22nd annual convention. Hospitals, 1942, **16**: No. 10, 47–9.—**Robertson, J.** When demands of war tax hospitals. Detroit M. News, 1942–43, **34**: No. 4, 5.—**Scrimgeour, H.** Hospitals in war time. Annual Rep. M. Dep. Singapore, (1946) 1947, 4–8.—**Signalisation** des hôpitaux civils. Rev. internat. Croix Rouge, 1943, **25**: 11–5.—**Smelzer, D. C.** Hospitals and the war. Hospitals, 1942, **16**: No. 7, 33–5.—**Stephens, G. F.** Presidential address, biennial meeting, Canadian Hospital Council. Canad. Hosp., 1943, **20**: No. 10, 29–31.—**War** (The) conference of the American Hospital Association; you will have to face the paradox of producing more and more service with less and less. Am. J. Nurs., 1942, **42**: 1439–44.—**Wilinsky, C. F.** Hospitals and the war. N. England J. M., 1943, **228**: 5.—**Williamson, K.** Even war cannot spoil future of alert hospitals. Hospitals, 1943, **17**: No. 8, 97.

—— Prisoner-of-war hospital.

See under **Prisoner of war.**

—— psychiatric.

See **Psychiatric hospital.**

—— Red Cross hospital.

See under **Red Cross.**

—— regimental.

See also subheading (portable surgical)

Haslé. Les améliorations à apporter aux locaux des infirmeries régimentaires. Bull. Soc. méd. mil. fr., 1938, **32**: 241–7.—**Millet.** Au sujet des améliorations à apporter aux locaux des infirmeries régimentaires. Ibid., 196–220.—**Muffang.** De quelques améliorations à apporter aux aménagements intérieurs des infirmeries régimentaires. Ibid., 32–6. —— A propos des améliorations à apporter aux infirmeries régimentaires; plan de l'infirmerie régimentaire. Ibid., 1939, **33**: 51. Also German transl., Deut. Militärarzt, 1940, **5**: 296 (Abstr.)—**Pedrazzi.** Il servizio sanitario nelle infermerie reggimentali. Gior. med. mil., 1926, **74**: 47–50.—**Poisson.** Les améliorations à apporter aux infirmeries régimentaires. Bull. Soc. méd. mil. fr., 1938, **32**: 519–22.—**Tarayre.** A propos des améliorations à apporter aux plans des infirmeries régimentaires. Ibid., 432–6.

—— regional.

Poltavcev, A. N. [Regional hospital] Sovet. med., 1941, **5**: No. 17, 40–4.

—— requisitioned.

See also subheadings (auxiliary, captured)

Gundelach, K. Deutsche Verwundete in einem kroatischen Spital. Aerztebl. Hessen, 1941, **9**: 177.—**Vollenweider, P.** L'utilisation des secours volontaires et des hôpitaux civils par le service de santé de guerre en Suisse. Rev. internat. Croix Rouge, 1937, **19**: 741–68. Also Sess. Off. internat. docum. méd. mil., 1937, 7. Sess., 111–40.

—— Reserve hospital.

Aita, A. A. War measures in a 55 bed hospital. Mod. Hosp., 1942, **58**: No. 2, 45.—**Cady, L. D.** Washington University sponsors Army Reserve Hospital. Washington Univ. M. Alumni Q., 1941, **4**: 48–50.—**Hospitals** in time of war; emergency arrangements. Brit. M. J., 1939, **1**: 465.—**Ireland, M. W.** Hospitals as a factor in the medical program for national defense. Mod. Hosp., 1924, **23**: 206–8.—**Vollenweider.** Die verschiedenen Fälle der Beanspruchung der schweizerischen Zivilheilanstalten durch den Heeressanitätsdienst im Krieg. Veska Zschr., Luzern, 1937, 17–9.—**Wöller, E.** Krankenanstalten als Reservelazarette. Zschr. ges. Krankenhauswes., 1939, 489–91.—**Zillmer, W.** Vorbemerkungen zur Versorgung Verwundeter in den Reservelazaretten. In his: Kriegschirurgie, Dresd., 1943, 3–9.

—— Ship hospital.

See also **Hospital ship.**

Bachmann, R. A. The hospital arrangements of a man-of-war. J. Am. M. Ass., 1907, **49**: 1771–3.—**Epstein, O.** Lazaret na voennykh korabljakh. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 362–4.—**Payne, G. E. B.** A survey of hospital accommodation on merchant ships. Pub. Health, Lond., 1942–43, **56**: 93–5.

—— Sick bay.

See **Sick bay.**

—— specialized.

See also **Hospital service**; also under terms of medical specialties as **Neurology,** Hospital.

Böhler, L. Kriegschirurgie und Sonderlazarette. Wien. klin. Wschr., 1941, **54**: 29; 47.—**Golubeva, E. F.** [Results of the work of the central hospital for specialized operations] Feldsher, Moskva, 1944, No. 9, 19–23.—**Romanova, V. G.** [Experience in a medico-evacuational service of a specialized hospital] Med. sestra, Moskva, 1945, No. 6, 9–13.

—— Station hospital [CZ]

WALSON, C. M. Station hospital organization chart, regulations, and medical department questionnaire. 222p. 8° Carlisle Barracks, 1940. Also Army M. Bull., 1940, **54**: 3–212.

Aronov, S. N. Nekotorye voprosy v organizacii raboty garnizonnogo hospitalja. Voen. med. J., Moskva, 1947, No. 3, 32–5.—**Camp, M. N.** Surgical plan of a tropical station hospital. Mil. Surgeon, 1944, **94**: 281.—**Cherniak, S. N.** O statje S. N. Aronova, Nekotorye voprosy v organizacii raboty garnizonnykh hospitalej. Voen. med. J., Moskva, 1947, No. 10, 50.—**Organization** of station hospital typical of all Army hospitals. Hosp. Management, 1941, **52**: No. 3, 23.—**Riabov, G.** Garnizonnyj voennyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1136–8.—**Ulfelder, H.** Organization of personnel in a small station hospital for the reception of battle casualties. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 12, 17–20.

—— Thoracic hospital.

See **Thoracic unit.**

—— Transit hospital.

Bedwell, C. E. A. A visit to a transit hospital. Canad. Hosp., 1944, **21**: No. 9, 46.—**Innes, A.** Arrangements in transit hospitals of the emergency medical service. In: Inter-allied Conf. War Med. (1942–45) 1947, 433–40.

—— Transportation.

See **Air evacuation,** Organization.

—— Veterans' hospital.

Hospital de veteranos. Hospital (América clín.) N. Y., 1947, **3**: No. 6, 32.—**Malkov, N.** Hospital dlja leéenija invalidov Otečestvennoj vojny. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 175.

—— veterinary.

See also **Veterinary service.**

Bucica. Le fonctionnement de l'Hôpital vétérinaire militaire central de Bucarest en 1932. Rev. vét. mil., Par., 1934, **18**: 237–43.—**Christenson, I.** Die Krankenställe des schwedischen Heeres. Münch. tierärztl. Wschr., 1936, **87**: 109; 125.—**Díaz Yolde, J. M.** Organización de los hospitales de caballos divisionarios. Rev. mil., B. Air., 1936, **36**: pt 1, 1127–37.—**Experiences** in an army veterinary general hospital. Vet. Med., Chic., 1942, **37**: 326–38.—**Finnish** veterinary hospital No. 1 in war zone. Vet. Bull., Wash., 1940, **34**: 259.—**Georgescu, V.** [Report on the activity of the Military veterinary hospital for 1938] Rev. vet. mil., Bucur., 1939, **10**: 101–16.—**Horse** surgery at the Front; field hospitals for the treatment of sick and wounded animals. Sc. Am., N. Y., 1917, **117**: 272.—**Kostes.** Veterinärkompanie in einem verlassenen Pferdelazarett der Roten Armee. Zschr. Veterinärk., 1942, **54**: 109–13.—**Marco, G.** Hospitales de ganado; su función económica. Ejército, 1941, No. 23, 82–4.—**Seifried, O.** Einrichtung eines Heimat-Pferdelazaretts in einer nicht dafür vorbereiteten Kaserne. Zschr. Veterinärk., 1941, **53**: 141–51.—**Sousa Lopes, J.** Da uniformidade das ambulancias veterinarias de campanha. Rev. mil. med. vet., Rio, 1939, **2**: 815–29.—**Veterinary** (30th) General Hospital on Army maneuvers. Vet. med., Chic., 1941, **36**: 541.—**Westhues.** Ueber einige Lazarett-Erfahrungen. Zschr. Veterinärk. 1942, **54**: 234–47.

HOSPITAL administration.

See also subsequent and preceding heading.

Courville, C. B. Organization and administration of military hospitals. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 238–46.—**Fineberg, M. H.** Running an army hospital. Mod Hosp., 1942, **58**: No. 6, 45.—**Gardner, F.** The management of the small military hospital. Mil. Surgeon, 1929, **65**: 394–7.—**Healy, L. R.** Why hospital public relations in war? Hosp. Counc. Bull., 1943, **6**: No. 4, 10.—**Jackson, L. G.** Hospital publicity in wartime. Hospitals, 1942, **16**: No. 6, 25–7.—**Jovanović, D.** O rukovodenju jednim bolničkim odeljenjem. Voj. san. pregl., Beogr., 1949, **6**: 127–31.—**Lehman, A. M.** Hospital planning and administration in military hospitals. Mil. Surgeon, 1940, **86**: 143–54.—**Military** hospitals in the United States; organization, administration, and control. In: Med. Dep. U. S. Army in the World War,

Wash., 1923, 5: 117–91.—**Morel.** Des services administratifs dans les hôpitaux militaires belges. Rapp. Congr. internat. méd. pharm. mil., 1935, 8. Congr., 1: 441.—**Moulson, G.** The administration of a military hospital. J. R. Army M. Corps, 1946, 87: 231–40. Also Portuguese transl., Rev. med. mil., Rio, 1949, 38: 217–26.—**Wooders, M. A., & Curtis, D. A.** Administration in Army hospitals. In their Emergency Care, Phila., 1942, 438–42.

—— Bibliography.

United States. Veterans Administration. Medical and General Reference Library. Hospital administration and management. 25 l. 4° Wash., 1949.

—— Budget.

United States. Veterans Administration. Technical bulletin TB 10A–58: Assignment to VA of reimbursable rights covering items of hospital treatment [1] p. 27cm. Wash., 1947. Also Change 1 [1] p. 1947.

—— Technical bulletin TB 10A–130: Charges for persons found ineligible after admission to a Veterans Administration center for domiciliary care [1] p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–150: Federal reciprocal per diem rate for hospitalization during fiscal year 1949 [1] l. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–193: Federal reciprocal per diem rate for hospitalization during fiscal year 1950. 1p. 26½cm. Wash., 1949.

Brusilovsky, L. J. Kak uveličitj oboraćivaemost koećnogo fonda v hospitaljakh. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 11–3.—[**Cost** of Military Hospital fare and nursing] Tskr. mil. hälsov., 1935, **60:** 157–64.—**Daily** cost per patient $2.78 in veterans' hospitals. Hosp. Management, 1942, **53:** 23.—**Hospital** (The) fund; working balances and protection by deposit insurance. Army M. Bull., 1941, No. 58, 156.—**Strömberg, E.** [Allowances for hospitals and for supplies for medical care in the army] Tskr. mil. hälsov., 1935, **60:** 157–64.—**Suspension** of reimbursement covering hospitalization of Army and Navy personnel on active duty [form letter] Bumed News Lett., Wash., 1943, **2:** No. 5, 22.—**Trotter, N. H.** The human equation in the budget. Hosp. Corps Q., 1927, **11:** 173.

—— Control.

Coffey, W. L. Centralized control of governmental hospitals. Hospitals, 1941, **15:** No. 10, 85–8.

—— field.

See **Field ambulance; Hospital,** Field hospital.

—— Heating.

Osipenko, K. [Sanitary-hygienic investigations on the heating of hospital tents during campaigns] Voen. san. delo, 1937, No. 1, 41–53.

—— Instruction.

United States. Army. Enlisted Technician's School. Outlines in ward management, supply and ward administration for medical technicians. 73p. 27cm. S. Franc., 1944.

Richards, J. T. Hospital administration courses in the United States Army. Mil. Surgeon, 1949, **104:** 437–41.

—— naval.

Cottle, G. F. Naval hospital administration. U. S. Nav. M. Bull., 1935, **33:** 444–6.—**Johnson, L. W.** Administration of naval hospitals. Hospitals, 1939, **13:** No. 10, 20–6. Also Tr. Am. Hosp. Ass., 1939, **41:** 738–46.

—— Problems.

Graham, W. D., Tynes, A. L., & Burns, H. C. Hospital administration problems. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 127–35.—**Lundgren, P. G., & Lindsjö, D.** Kätterska synpunkter på vissa fråga inom den militära sjukvården. Sven. läk. tidn., 1943, **40:** 2774–82.—**Vinodarov, V. E.** Osnovnye nedostatki v rabote hospitalnykh voenno-vraćebnykh komissij. Voen. med. J., Moskva, 1947, No. 9, 13–7.

—— Protection [& danger]

See also **Blackout,** Engineering; **Gas warfare,** Defense: Organization.

Curnock, G. C. Hospitals under fire, but the lamp still burns [2. impression] 148p. 20cm. Lond., 1941.

Gerlach. Die Organisation des Luftschutzes für Lazarette; Brisanz-, Brand- und Gaswirkung. 63p. 8° Berl., 1934.
Forms: H. 94, Veröff. Heer. San.

Great Britain. Ministry of Health. Emergency medical services memorandum No 1: Structural and other precautions against air raid risks in hospitals. 12p. 21cm. Lond., 1939.

A. R. P. at Clacton. Brit. M. J., 1940, **1:** 783.—**Air** raid precautions scheme at Manchester Royal infirmary. Ibid., 1939, **1:** Suppl., 261–6.—**Anti** air raid hospital planned [Switzerland] J. Am. M. Ass., 1940, **115:** 145.—**Army** hospital safety programs. Bull. U. S. Army M. Dep., 1945, **4:** 510.—**Baehr, G.** Protection from air raids. Mod. Hosp., 1942, **58:** No. 2, insert, 1–16.—**Bombardamento** (Il) dell'ospedale di Gondar. Gior. med. mil., 1941, **89:** 718.—**Chievitz, O.** [Air defense measures in hospitals] Ugeskr. laeger, 1938, **100:** 1384–90.—**Cowell, E. M.** The protection of medical establishments by signs. J. R. Army M. Corps, 1939, **72:** 289–93.—**Danger** of naval hospitals at naval centers. J. Am. M. Ass., 1938, **111:** 2026.—**Des Gouttes, P.** Protection des hôpitaux civils. Rev. internat. Croix Rouge, 1942, **24:** 297–301.—**Dillon, J. D.** Mobile A. R. P. hospital units. Brit. M. J., 1940, **1:** 870.—**Distel, H.** Krankenhaus und Luftkrieg. Zschr. ges Krankenhauswes., 1936, 252–4.
——— Die baulichen Luftschutzmassnahmen in neuen Krankenhäusern. Ibid., 1943, **39:** 107–9.—**Dubal, H.** La Croix-Rouge et l'utilisation de son emblème par les hôpitaux civils en temps de guerre. Veska Zschr., Luzern, 1938, **2:** 119–21.—**Engelbach, A. G.** Practical defense measures for the individual hospital. Tr. Am. Hosp. Ass., 1941, **43:** 506–8 (Abstr.)—**Gerlach, W.** Die notwendigsten Luftschutzmassnahmen für ein Krankenhaus. Zschr. ges. Krankenhausw., 1935, 586–9.—**Guidi, I.** La protezione degli ospedali in caso di guerra. Nosokomeion, Stuttg., 1935, **6:** 69–76.—**Hospitals** bombed in Italy. Bull. U. S. Army M. Dep., 1944, No. 76, 30.—**Hospital** zones in wartime. Brit. M. J., 1938, **2:** 1005.—**Japanese** attack U. S. naval field hospital during operation. J. Am. M. Ass., 1943, **123:** 909.—**Jinga, P.** A proposal for the creation of hospital zones in war. Bull. internat. Serv. santé, Liége, 1938, **11:** 305–11.—**Løbger, G. C.** Organization for the protection of hospitals during air raids. Militaerlaegen, 1936, **42:** 212–15.—**Macdonald, R. C., & Wilson, R. C.** Air raid precautions and hospitals. Canad. Hosp., 1941, **18:** No. 4, 15–8.—**Moore-White, M.** How British hospitals anticipate air raids. Hospitals, 1943, **17:** No. 6, 51.—**Muntsch, O.** Das Krankenhausproblem in der Luftschutzorganisation. Deut. med. Wschr., 1935, **61:** 224–6.—**Negro, G.** La difesa di un ospedale civile contro le offese belliche aeree. Gior. batt. immun., 1943, **30:** 736–43.—**Neubrand.** Das Krankenhaus im Luftschutz. Zschr. ges. Krankenhausw., 1934, 581–6.—**Osborne, R. P.** A hospital's precautions during air raids. Brit. M. J., 1940, **2:** 565.—**Ospedale** (L') da campo bombardato. Illustration. In: Libro d'oro, Roma, 1924, opp p. 154.—**Ospedali** (Gli) e i pericoli della guerra aerea. Osp. maggiore, Milano, 1936, **24:** 573–5.—**Petrick.** Der Schutz des Krankenhauses gegen Angriffe aus der Luft. Zschr. ges. Krankenhauswes., 1936, 489–92.—**Prescriptions** concernant l'emploi du signe de la Croix Rouge sur les hôpitaux civils. Rev. internat. Croix Rouge, 1942, **24:** 762–4.—**Protection** of hospitals against air raids. Med. Times, Lond., 1939, **67:** 26.—**Rapport** sur la protection des hôpitaux civils en case de bombardement présenté aux Sociétés nationales de la Croix-Rouge par le Comité international de la Croix-Rouge. Rev. internat. Croix Rouge, 1937, **19:** 725–40.—**Reimers, C.** Krankenhausbetrieb und Fliegerangriffe. Münch. med. Wschr., 1938, **85:** 1476–9.—**Ritter, H.** Luftschutz im Krankenhaus? Zschr. ges. Krankenhausw., 1934, 589.—**Roojen, P. H. v.** [Protection of hospitals against air raids] Geneesk. gids, 1939, **17:** 1031–7.—**Sankovich, N. N.** Iz opyta hermetizacii palat v bolnićnykh ućreždenijakh Leningrada. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 291–6.—**Smith, E. M.** Emergency preparations at Children's Orthopedic Hospital, Seattle. Crippled Child, 1943–44, **21:** 6.—**Structural** and other precautions against air raid risks in hospitals. Mil. Surgeon, 1940, **87:** 517–25.—**Super** red cross marker for station and general hospitals. J. Am. M. Ass., 1944, **124:** 928.—**Thomann, J.** Luftschutz und Zivilkrankenanstalten. Zschr. ges. Krankenhauswes., 1937, 517.—**Zacchi, C.** La difesa antiaerea degli ospedali. Igiene mod., 1937, **30:** 193–200.

—— Rules and regulations.

See also **Hospital,** Laws and rules.

Spain. Ministerio de marina. Reglamento para el régimen, gobierno y administración de los hospitales de la Armada; aprobado por Real decreto de 2 de abril de 1930. 61p. 22cm. Madr., 1930.

United States. Department of the Army. Technical manual, TM 8–262: Administration of

fixed hospitals, Zone of Interior [v.p.] 28cm. Wash., 1945–46.

United States. War Department. Army Regulations No. 40–590; Medical Department: The administration of hospitals, general provisions. 28p. 8° Wash., 1929. Also change. 1p. 8° Wash., 1932. Also another revision. 8p. 8° Wash., 1934.

—— Sanitation.

Furtherer, C. M., & **Hofmann, M.** Bacterial flora in cantonment-type surgical ward. Bull. U. S. Army M. Dep., 1946, **5**: 100–2.—**Leibfreid, E. L.,** & **Starobinec, G. M.** [Bacterial contamination of ambulances and operation rooms of Medsanbats and field hospitals] Voen. san. delo, 1942, No. 10, 30–5.—**Pulkis, V. A.** Nekotorye voprosy higieny vremennykh tylovykh hospitalej. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 40–8.—**Sanità** (La) militare all'esposizione degli ospedali italiani. Gior. med. mil., 1935, **83**: 501–16, 8 pl.—**Simpson, W. J.** Sanitary administration of hospitals. Rep. Com. Dysentery (Gr. Britain, Secr. War) Lond., 1903, 83–5.

—— Subsistence rates.

See also **Emergency Medical Service, Hospitalization.**

Subsistence rates in army hospitals. Army M. Bull., 1941, **56**: 80–6.

—— Supply and control.

Auslander, C. O. Purchasing hospital supplies in war time and post-war planning. Hosp. Counc. Bull., 1943, **6**: No. 2, 12–5. Also Hospitals, 1943, **17**: No. 4, 69–71.—**Covi, R. E.** A central supply service in a station hospital overseas. Am. J. Nurs., 1944, **44**: 661.—**Dvijkov, P. P.** [Analysis of the issues in the therapeutical department of the N... evaco-hospital] Hosp. delo, 1945, No. 3, 23–6.—**Mary Therese** (Sister) War economies. Mod. Hosp., 1942, **58**: No. 4, 61.—**Maverick, M., & Jones, E. W.** The availability of hospital supplies and equipment; general guide in applying for priority assistance. Hosp. Progr., 1943, **24**: 247–50.—**New** linen control and distribution system. Bull. U. S. Army M. Dep., 1945, No. 85, 13.—**Palmer, D. H.** Some effects of war technology on hospitals. Hospitals, 1943, **17**: No. 5, 43–5.—**Relationships** between hospitals and governmental war agencies on priority and rationing problems. Bull. Am. Coll. Surgeons, 1943, **28**: 221.—**Stewart, T. B.** Hospital supply problems. Med. Bull. Europ. Command, 1949, **6**: No. 9, 48–51.—**Zorn, K.** A central supply-room in wartime. Am. J. Nurs., 1944, **44**: 541–8.

—— Ward.

Gilbert, E. W. Ward management. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 247–50.—**Hastings, S.** Some observations on the management of hospitals in peace and war. Med. Off., Lond., 1944, **72**: 165; 173.

—— in war.

Borden, R. P. Look ere thou leap, see ere thou go. Tr. Am. Hosp. Ass., 1940, **42**: 979–84.—**Crain, K. C.** Four New York hospitals challenge War Labor Board jurisdiction. Hosp. Management, 1943, **56**: No. 5, 15. ——— Regional Board's jurisdiction in New York WLB case questioned. Ibid., 1944, **58**: No. 6, 27, &c.—**How** Army hospital problems were met in a previous war. Ibid., 1946, **61**: No. 3, 43.—**Jolly, R.** Planning for the duration of war and for the postwar period. Ibid., 1944, **57**: No. 5, 30–2.—**Karan, A. A.** Your hospital will profit by sharing; 9 ways in which hospitals can pool their resources. Mod. Hosp., 1943, **60**: No. 4, 53.—**Kilkelly, C. R.** Personnel, equipment, and interior economy. In: Civilian War Hosp. (Bowlby, A. A.) N. Y., 1901, 1–17.—**Kriegswirtschaftliche** Massnahmen. Veska Zschr., Luzern, 1940, **4**: 135.—**McGowan, D. A.** Hospital administration for wartime medical service. Hosp. Progr., 1942, **23**: 288–92.—**Mary Vincent** (Sister) Maintaining ideals and standards in wartime in hospital administration. Ibid., 1944, **25**: 318–20.—**Negri, A. C.** Conservation hospitals. Hospitals, 1942, **16**: No. 11, 44–8.—**Nettleton, G. H.** Housekeeping in war time. Canad. Hosp., 1943, **20**: No. 10, 52–4.—**Schwitalla, A. M.** Wartime problems of the Catholic hospitals; wartime advisory service of the Catholic Hospital Association. Hosp. Progr., 1943, **24**: 2; 80; 1944, **25**: 16.—**Stollerman, M.** The war challenge to hospital administration. Hospitals, 1943, **17**: No. 5, 79–81.—**Ward, P.** Let us follow methods that lead to results. Canad. Hosp., 1943, **20**: No. 12, 17; 54.—**Young, E.** Hospital administration in wartime. Canad. Nurse, 1943, **39**: 732–5.

HOSPITAL bed.

See **Bed.**

HOSPITAL blanket.

See **Blanket.**

HOSPITAL center.

See also **Medical center.**

Burrage, T. J. An American World War hospital centre in France. Mil. Surgeon, 1937, **80**: 352–60.—**Hamilton, G. F.** A military health centre. Canad. M. Ass. J., 1943, **49**: 325.—**Hospital** centers, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 791–806.—**Lenzi, G.** Concorso per il nuovo centro ospedaliero della R. Marina. Ann. med. nav., Roma, 1940, **46**: 235–52.—**Lonart, G., & Fiessinger, N.** Ce que nous avons vu au centre hospitalier de C.... Rev. gén. clin. thér., 1916, **30**: 26; 43.—**Mitchell-Heggs, F., & Walter, W. J.** The German hospital centre at Abano Terme. Brit. J. Surg., 1945–46, **33**: 235–44.—**Orr, H. W.** Methods of dealing with surgical patients in a base hospital center in France. Nebraska M. J., 1919, **4**: 127.—**Skinner, G. A.** The hospital center at Mars-sur-Allier, France. Mil. Surgeon, 1926, **58**: 113–29.—**Typical** (A) hospital center, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 489–535.

HOSPITAL commander.

United States. Army. Surgeon General's Office. Report of conference of the Surgeon General with army surgeons and commanders of named general hospitals. 146p. 27cm. Wash., 1948.

United States. Army Service Forces. Seventh Service Command. Hospital Commanders' conference, 22 August 1945. 37, 35 l. 27cm. Clinton, 1945.

HOSPITAL commission.

Canada. Military Hospitals Commission. Bulletin. Ottawa, 1.–3., 1916; Nov. 1917.

—— Special Bulletin. Ottawa, April, 1916.

—— Report. Ottawa, May, 1917.

Rufanov, I. G., & **Rostocky, I. B.** [A year of the work of the Military Hospital Committee] Hosp. delo, 1944, No. 7, 3–7.—**Senderikhin, M. A.** [A year of the work of the Commission of the Military Hospital Committee on the cadres' improvement] Ibid., 1945, No. 1, 8.

HOSPITAL company.

Kaijser, R. [On the carrying out of orders by the military hospital companies] Tskr. mil. hälsov., 1940, **65**: 174–81.—**Reis, E. M. dos.** Funcionamento de um platoon de um field hospital, na guerra. Rev. med. mil., Rio, 1945, **34**: 389–98.

HOSPITAL construction.

See also **Dispensary.**

United States. War Department. Army regulations No. 40–585; Medical Department: Construction and repair of fixed hospitals, veterinary hospitals, and quarters for medical department noncommissioned officers in time of peace. 4p. 8° Wash., 1931.

Army hospital built of concrete blocks. Engin. News Rec., 1943, **130**: No. 23, 8.—**Berkley, E. A. R.** Hospital construction. J. R. Army M. Corps, 1947, **88**: 22–6.—**Clewer, D.** Military hospitals; choice of site and design. Ibid., 1940, **75**: 209.—**Ferraboug, O. L.** La construction et l'aménagement des hôpitaux; leur application aux hôpitaux militaires généraux. Rev. Serv. san. mil., Par., 1938, **109**: 839–99.—**Mauss.** Künstlerische Gesichtspunkte bei Bau und Einrichtung von Heereslazaretten. Veröff. Heer. San., 1938, H. 105, 65–83.—**Military** hospitals in the United States; construction and improvement. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5**: 57–116.—**Popov, G. M.** [The future war and principal questions in the organization and equipment of surgical hospitals and service for the aerial defense] Khirurgia, Moskva, 1939, No. 2–3, 49–57.—**Schröder.** Lazarettneubauten. Deut. Militärarzt, 1936, **1**: 273–6. ——— Lazarettbau in der neuen Wehrmacht, ein Rückblick. Ibid., 1938, **3**: 73–6.—**Walker-Taylor, P. N.** Military hospitals; choice of site and design. J. R. Army M. Corps, 1940, **75**: 101–7.—**Walson, C. M.** Construction and repair of hospitals. Army M. Bull., 1936, No. 37, 59–78.

—— Equipment.

See also **Bed; Operating room.**

Availability of hospital beds during war period. J. M. Soc. N. Jersey, 1943, **40**: 297.—**Chamberlin, F. T.** Hospital cleaning cart. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: No. 2, 36–8.—**Dolgopol, M. B.** Nekotorye osobennosti struktury specializirovannogo hospitalja ćerepnogo profilja. Voen. med. J., Moskva, 1947, No. 2, 17–20.—**Edger, H. D.,** & **Baldwin,**

R. H. Improvised ward equipment. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, 2: 22–8.—**Hospital** furniture and equipment, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, 3: 475–92.—**Khovenko, M. V.** [Special apparatus, appliances and instruments for the traumatological department of the rear hospitals at the front] Ortop. travmat., Kharkov, 1940, 14: 97–103.—**Meshchinsky, E. B.** [A urine and feces receptacle for bed patients with paralyzed sphincters] Voen. san. delo, 1943, 82.—**Rosenbaum, L.** Hospital census tabulator. Mil. Surgeon, 1944, 94: 306.—**Rutkevich, N. L.** [On the indispensable traumatological apparatuses for evacuation hospitals and their rational utilization] Sovet. med., 1941, 5: No. 8, 40.—**Utility** carrier for cantonment hospital. Bull. U. S. Army M. Dep., 1944, No. 77, 20.

—— Floor.

Hawley, P. R. Care of pitch mastic floors. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 19, 16–9.—**Hirsch.** Fussbodenbeläge in Operationsräumen von Heereslazaretten. Zschr. ges. Krankenhauswes., 1938, 213.

—— Kitchen & bakery.

Clippinger, M. L. The care of equipment in wartime. J. Am. Diet. Ass., 1943, 19: 695–7.—**Craven, J. C.** An evacuation hospital bakery. Med. Bull. North Afr. Theater, U. S., 1944, 1: No. 5, 53.—**McKelvey, M. E.** Wartime adjustment in the hospital kitchen. Hospitals, 1943, 17: No. 3, 34–7.

—— Lighting.

See also **Illumination; Tent.**

Chernyshev, V. [Simple apparatus for night lighting in field hospitals] Voen. san. delo, 1936, No. 12, 39.—**Ferree, C. E., & Rand, G.** Glareless light for war-time protection. Mod. Hosp., 1942, 59: No. 3, 88.—**Moritsch, P.** Fahrbare elektrische Energie beim Feldlazarett. Deut. Militärarzt, 1941, 6: 170–3.—**Müller.** Zur Beleuchtungsfrage im Operationsraum der chirurgischen Ambulanz und sinngemäss auch für die Operationsstelle der San. Kp. Schweiz. med. Wschr., 1940, 70: 446–9.—**Sokolov, M.** [Eclairage des salles d'opération dans des conditions du camp] Khirurgia, Moskva, 1940, No. 10, 162.—**Voitenko, M. F.** [Improvisation of a lighting device for illumination of medical stations] Voen. med. J., Moskva, 1944, June, 44–6.

—— Map, plan, and illustration.

Montgomery, A. B. Emergency hospitals, United States Navy Medical Department standard Hutment type. U. S. Nav. M. Bull., 1928, 26: 323–8.—**Salomone, S.** Ospedali coloniali e progetto di un ospedale coloniale per indigeni civili e militari. Rendic. Ist. sup. san., Roma, 1942, 5: 5–54, 42 pl.

—— Mess hall.

Gibson, W. S. Mess gear container and serving table. Hosp. Corps Q., 1944, 17: No. 6, 132.—**Jackson, T. L., & Shadel, P.** Mess hall planning. U. S. Nav. M. Bull., 1942, 40: 883–6.—**Mobile** hospital food conveyor. Med. Bull. North Afr. Theater U. S., 1944, 1: No. 5, 22–4.

—— packed and prefabricated.

Functionally-packed hospitals. Bull. U. S. Army M. Dep., 1945, No. 89, 29–31.—**Navy's** prefabricated hospitals quickly erected on West Coast. Hosp. Management, 1944, 57: 35.

—— Rooms and wards.

Akodus, J. Evakopriemnik. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1089–92.—**Anesthetic** and operating room section. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 21, 12.—**Glass, E. J. G.** Notes on the organization of a reception room in a general hospital on active service. J. R. Army M. Corps, 1941, 77: 156–9.—**McCombs, R. P.** Special treatment ward for critically injured. U. S. Nav. M. Bull., 1945, 45: 717–21.—**Roof-garden** for wounded soldiers. West. Canada M. J., 1915, 9: 347.

—— tented.

Bryant, T. L. Tented hospital adaptations. Bull. U. S. Army M. Dep., 1945, No. 89, 66–70.—**Hospital** under canvas. Nurs. Times, Lond., 1941, 37: 58.

—— underground.

Johnson, L. W. Navy hospitals underground. Mod. Hosp., 1946, 66: No. 5, 69.—**Kämper, H.** Die technischen Einrichtungen von Luftschutzräumen verschiedener Art; behelfsmässige Schutzräume. Zbl. ges. Hyg., 1942–43, 50: 705 (Abstr.)—**Poltavcev, A. N.** [Underground first-aid stations] Sovet. med., 1943, 7: No. 9, 28–31.—**Schlumberger, H. E., Soles, E. P., & Smadel, J. E.** Bunker and underground hospital, Nürnberg. CIOS Rep., Lond., 1945, Item 24, No. XXIV–5, 11.—**Sullivan, F. R.** Hospital underground. Mil. Surgeon, 1949, 105: 408–10.—**Underground** hospital at Camp Joseph T. Robinson. J. Am. M. Ass., 1944, 124: 43.

—— in war.

Crain, K. C. Hospital construction stripped for war by new edict; metropolitan areas offer problems; auto restrictions to limit service. Hosp. Management, 1942, 53: No. 6, 11.—**Fleming, P. B.** FWA plans temporary hospitals as measure of economy; shortages in critical materials put limitations on new structures. Ibid., 15.—**Hall, J. R.** Some lessons learned in World War II about Army hospital construction. Hospitals, 1944, 18: No. 1, 53–6.—**Jones, E. W.** No priorities on hospital planning, points out War Production Board consultant. Hosp. Management, 1943, 56: No. 2, 20.—**McDonough, T., & Muldoon, F.** Example of hospital construction under wartime restrictions. Hosp. Progr., 1943, 24: 368.—**Rogers, E. N.** Hospitalization. Congressional Record, 1943, 89: A4759.—**Shaffer, M.** Emergency hospital planning in wartime. Hospitals, 1942, 16: No. 11, 59–61.—**War-time** construction calls for ingenuity. Mod. Hosp., 1943, 60: No. 4, 60.

HOSPITAL Corps.

See also **Amphibious warfare; Nursing;** also **Medical technician.**

Bourke, J. F. The Indian hospital corps. J. R. Army M. Corps, 1940, 75: 84–93.—**Lee, G. S.** Operating room training for hospital corpsmen. Hosp. Corps Q., 1943, 16: No. 3, 51–3.—**Wheeler, M.** Hospital corpsmen of the Merchant Marine. Ibid., 106; 1944, 17: No. 3, 23.

—— United States Navy.

See also **First aid; Pharmacist; Pharmacy; School.**

United States. Congress. 55. Congr., 1. sess., H. R. 4029. July 22, 1897. A bill giving apothecaries of the United States Navy and naval hospitals the title of naval pharmacists and rank and pay of warrant officers. Introd. by Mr. Wilson. 2p. roy. 8°. Wash., 1897.

—— 55. Congr., 2. sess., H. R. 7210. Jan. 25, 1898. A bill to organize the hospital Corps of the Navy of the United States, to define its duties, and to regulate its pay. Introd. by Mr. Cummings. 4p. roy. 8°. Wash., 1898.

—— 55. Congr., 2. sess., H. R. 10220. May 25, 1898 [The same] 3p. roy. 8°. Wash., 1898.

—— 58. Congr., 2. sess., H. R. 12646. Feb. 19, 1904. A bill to reorganize and increase the efficiency of the Hospital Corps of the Navy of the United States, and to define its duties and regulate its pay. Introd. by Mr. Roberts. 3p. roy. 8°. Wash., 1904.

—— 60. Congr., 1. sess., S. 5034. Feb. 6, 1908 [The same] Introd. by Mr. Gallinger. 2p. roy. 8°. Wash., 1908.

United States. Navy. Bureau of Medicine and Surgery. Handbook of the Hospi al Corps. 730p 8°. Wash., 1930. Also another edition. 1015p. 23½cm. Wash., 1939.

—— Drill book for the Hospital Corps. Rev. ed. 383p. 14cm. Wash., 1942.

—— United States Navy hospital corpsman. 24p. 23cm. Wash., 1943.

—— Addendum to the Handbook... 115p. 8°. Wash., 1944.

Suppl. to Hosp. Corps Q., 1944, 17: No. 4.

Administration of medicine and treatment. U. S. Nav. M Bull., 1918, 12: Suppl., 17–25.—**Avriett, R. A.** The triumphs, traditions, and opportunities of the Hospital Corps. Hosp. Corps Q., 1949, 22: No. 4, 1.—**Bigelow, A. F.** Notes on hospital corps instruction. U. S. Nav. M. Bull., 1922, n. s., 6: Suppl., No. 3, 43.—**Bindler, S.** Hospital corps activities with the Seabees. Hosp. Corps Q., 1944, 17: No. 5, 61–4.—**Bowen, F. H., & Harper, L. B.** Field training of hospital corpsmen. Ibid., No. 2, 5–9.—**Briggs, W. P.** Pharmacy and the Hospital Corps of the United States Navy. Am. J. Pharm. Educ., 1942, 6: 465–74. Also J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, 3: 314–20.—**Columbia** University College of Pharmacy and the Hospital Corps of the regular Navy. Columbia Alumni News, 1917–18, 9: 215.—**Connely, W.** University training for the Navy Hospital Corps. Mod. Hosp., 1918, 10: 159–64. —— Making Navy hospital corpsmen. Oral Hyg., Pittsb., 1918, 8: 575–82.—**Davis, W. D.** Hospital corps training at Marine Barracks, Quantico, Va. Hosp. Corps Q., 1943, 16: No. 3, 101–6.—**Dennis, E. G.** When he can do nearly everything, he is a Navy hospital corpsmen. Hospitals, 1943, 17: No. 12, 45–8.—**Development** of service instruction. Hosp. Corps Q. 1948, 21: No. 2, 33–53.—**Dixon, B. F.** The Old School. Ibid.,

1943, **16**: No. 3, 161–209. ——— Archives exhibits. Ibid., 1944, **17**: No. 4, 109–20. ——— Highlights on the Ancaducros. Ibid., 1948, **21**: No. 2, 19–26.—**Durkin, J. F.** Class of instruction for Hospital Corps, Naval Reserve Force, First Naval District. U. S. Nav. M. Bull., 1918, **12**: Suppl., 14, 2 pl.—**Honor** roll of the Hospital Corps. Hosp. Corps Q., 1943, **16**: No. 3, 241–54.—**Hosmer, M. N.** Hospital Corpsmen at Navy pre-flight school. Ibid., 1944, **17**: 29–32.—**Hospital** (The) Corps [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 47–51.—**Hospital** Corps, U. S. Navy. Hosp. Corps Q., 1948, **21**: No. 2, 1–8.—**Hospital** Corps Administration. Ibid., 1945, **18**: 1–26.—**Hospital** (The) Corps of the Navy. South. Pharm. J., 1941–42, **34**: No. 9, 28.—**Hospital** Corpsmen commended. U. S. Nav. M. Bull., 1918, **12**: Suppl., No. 6, 51.—**Johnson, L. W.** Joining the Navy medicos. Mil. Surgeon, 1947, **101**: 17–20.—**Kauffman, J. B.** The training of Hospital Corpsmen in the Navy. U. S. Nav. M. Bull., 1918, **12**: Suppl., No. 6, 19–22.—**Kotula, M.** Hospital Corps educational program aboard ship. Hosp. Corps Q., 1944, **17**: No. 5, 90.—**Lights** and shadows. U. S. Nav. M. Bull., 1919, **13**: Suppl., 75.—**Murals** depicting Hospital Corps duty. Hosp. Corps Q., 1943, **16**: No. 4, 141–6.—**Myerson, M. C.** What the Hospital Corps of the Navy can mean to the individual. U. S. Nav. M. Bull., 1924, n. s., **8**: Suppl., 1–3.—**Navy** Hospital Corpsman performs a leg amputation. Hosp. Corps Q., 1944, **17**: No. 2, 127–9.—**Necessary** (The) qualifications for Hospital Corpsmen. U. S. Nav. M. Bull., 1921, n. s., **5**: No. 3, Suppl., 21–6.—**Patton, W. K.** The Hospital Corpsman in marine aviation. Hosp. Corps Q., 1943, **16**: No. 4, 64–7.—**Pharmacy** in the Hospital Corps. Tile & Till., 1945, **31**: 34–7.—**Promotions**. U. S. Nav. M. Bull., 1918, **12**: Suppl., No. 6, 46–50.—**Pugh, W. S.**, jr. Hospital Corps instruction on board ship. Mil. Surgeon, 1911, **28**: 530–42.—**Recruiting** (The) and training of the Hospital Corps aboard ships of the fleet. U. S. Nav. M. Bull., 1921, n. s., **5**: Suppl., No. 4, 24–26.—**Smith, E. L.**, 2d. The Navy hospital corpsmen. Hosp. Corps Q., 1946, **19**: No. 3, 1–13.—**Strott, G. G.** Educational-promotional trends. Ibid., 1945, **18**: No. 6, 36–44.—**Training** medical corpsmen. Ibid., 28.

—— Women.

Decker, A. R. Hospital Corps WAVES. Hosp. Corps Q., 1945, **18**: No. 6, 23–5.—**Wolff, M. H.** Teaching WAVE corpsmen. Am. J. Nurs., 1944, **44**: 343–6.

HOSPITAL dietitian.

See **Dietitian.**

HOSPITALIZATION.

See also **Dependent; Emergency Medical Service; Gas poisoning; Morbidity; Tuberculosis; Venereal disease;** also **Hospital administration,** Budget.

United States. Department of Defense. Committee on Medical and Hospital Services of the Armed Forces. Programs for hospitalization in the Armed Forces and for improvement in the utilization of existing hospital facilities. 75 l. 27cm. Wash., 1949.

Bain, T. D. Hospital accommodation. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 6, 100–5.—**Preparations** for hospitalization. In: Prev. Med. in World War II, Wash., 1948, **6**: 15–8.—**Reynolds, C. R.** Military hospitalization in a national emergency. Tr. Am. Hosp. Ass., 1941, **43**: 457–9 (Abstr.)—**Schickele.** The principles of hospital accommodation in the organization of medical services in the field. J. R. Army M. Corps, 1934, **62**: 20–7.—**Shustov, V.** Hospitalizacia (hospitium) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 150–2.—**W., R. J.** Hospitalization in wartime. Hosp. Management, 1943, **56**: No. 2, 8.

—— Admittance, discharge, and transfer.

See also other subheadings.

India. Army. Medical Directorate. Military hospitals discharge; kit of R. I. N. ratings. p.1–2. 25cm. Delhi, 1945.

Forms No. 291, Admin. Instr. M. Dir. Army India.

United States. Veterans Administration. Technical bulletin TB 10A–56: VA Form 10–2731, Request for Administrative and Adjudicative Action, for use in establishing eligibility for hospitalization or domiciliary care. 4p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–102: Admissions to Army, Navy, and Public Health Service hospitals. 2p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–176: Notice of action pertaining to application for hospital treatment or domiciliary care. 1p. 27cm. Wash., 1949.

—— Technical Bulletin TB 10A–203: Instructions for completing VA Form 10–P–10, Application for Hospital Treatment or Domiciliary care. 4p. 26½cm. Wash., 1949.

—— Technical Bulletin TB 10A–205: Instructions for use of Notice of Veteran's Admission or Discharge (Non-Federal Hospital) VA Form 10–2929. 2p. 26½cm. Wash., 1949.

United States. War Department. Army regulations No. 40–1050; Medical Department: The transfer card. 3p. 8° Wash., 1924.

—— Technical bulletin TB MED 7: Indicating place of admission on W. D., M. D. Forms No. 52. 1p. 26cm. Wash., 1944.

Bourland, R. C. Are regulations for admission to veterans' hospitals and facilities adhered to? Illinois M. J., 1940, **77**: 230–2.—**Cook, E. L.** The processing of newly arrived patients. Bull. U. S. Army M. Dep., 1946, **5**: 217–9.—**Hosemann, G.** Die dienstfähig aus den Lazaretten Entlassenen. In: Infektkr. jetz. Kriege (Germany. Heeres-Saninsp.) Berl., 1944, Docum. No. 8715, 16–8, tab. ——— Die wehrunfähig aus den Lazaretten Entlassenen. Ibid., 18, tab.—**Rogers, J. A.** The transfer of patients to named general hospitals. Army M. Bull., 1942, No. 61, 170–2.—**Who** is eligible for veterans hospital service. Am. J. Psychiat., 1943–44, **100**: 150. Also Ment. Hyg., Alb., 1943, **27**: 492.

—— Air Force.

Nicholson, H. C. Hospitalization in the Japanese Army Air Force. 4p. 28cm. Dayton, 1946.

Forms No. F–IR–89–RE, Air Techn. Intell. Rev.

—— Army.

Ginzberg, E. Army hospitalization, retrospect and prospect. Bull. U. S. Army M. Dep., 1948, **8**: 38–47.—**Hospitalization** for Army. Mil. Surgeon, 1940, **87**: 471.

—— divisional.

Martin, P. H. Divisional hospitalization. Mil. Surgeon, 1940, **86**: 367–75.

—— mobile.

Van Blommestein, J. H. G. Mobile Army hospitalization. Proc. Transvaal Mine M. Off. Ass., 1943–44, **23**: 137–42.

—— naval.

Hospitalization of Navy and Marine Corps personnel. Statist. Navy M., 1949, **5**: No. 12, 5.—**Hospitals** and dispensaries; hospital patient census. Ibid., 1947, **3**: No. 6, 14–24.

—— Occupancy.

Empty beds in the war hospitals. J. Am. M. Ass., 1940, **115**: 1469.

—— overseas.

Hospitalization overseas. Health U. S. Army, 1947, **2**: No. 8, 16; No. 11, 16.—**Non-British** Army sick in R. A. M. C. hospitals overseas, excl. India, as at 31st December 1945 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 179.

—— Patient traffic.

Length of stay of patients in hospitals. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 2, 11–3.—**McGibony, J. T.** Control of Army patient traffic in the Zone of Interior. Mil. Rev., Fort Leavenw., 1947–48, **27**: No. 10, 61–4.

—— Reports.

Depied. Utilité d'intercaler un feuillet médical dans le livret individuel des militaires. Arch. méd. nav., Par., 1899, **71**: 457–62.—**Javal, A.** Le billet d'hôpital. Presse méd., 1916, **25**: annexes; 42.—**Required** reports on hospitalized soldiers. J. Am. M. Ass., 1941, **117**: 469.

—— Station hospital.

Shulgin, A. K voprosu o hospitalizacii v garnizonnye hospitali. Voen. med. J., Moskva, 1945, No. 7, 20–2.

—— Statistics.

See also **Morbidity.**

United States. Army. Surgeon General's Office. Bed status, U. S. Wash., June 24, 1941–

United States. Army. Surgeon General's Office. Medical Statistics Division. Report of bed status by stations. Wash., v.2, 1942–

United States. Army. Surgeon General's Office. Authorized beds and patient data in zone of interior hospitals under jurisdiction of the Army and Air Force. Wash., April 1948–

Crain, K. C. 241 Army hospitals conserving man-power of U. S. forces; present total bed capacity put at 163,000; personnel especially trained for war tasks. Hosp. Management, 1942, **53:** No. 2, 18–20.—**Hospital** admissions in the U. K. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 147–57.—**Waga** rikugun ni okeru nyūin kanzya [Hospitalized patients in the Japanese army] In: Teikoku rikugun eisei no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 253–97, 19 ch.

—— Veterans.

United States. Veterans' Administration. Technical bulletin TB 10A–54: Disposition of VA Forms P–10 and 10–P–10 when a veteran is not eligible for or refuses to accept hospitalization or domiciliary care. 2p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–59: Instructions for preparation and submission of VA Forms 10–6645 and 10–6645a, Semiannual Census of VA Beneficiaries Receiving Hospital Treatment or Domiciliary Care for six Months or More [2] p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–63: Determination of eligibility [1] p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–80: Revised instructions for preparation of Weekly Telegraphic Hospitalization Report and VA Form 10–2601, Monthly Report of Hospitalization and Domiciliary Care. 2p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–122: Fee-basis examinations to determine need for hospital treatment or domiciliary care. 2p. 27cm. Wash., 1948. Also Change 1 [1] p. 1948.

—— Technical bulletin TB 10A–154: Maximum use of hospital beds. 2p. 27cm. Wash., 1948.

—— Recapitulation of all Veterans Administration bed-producing projects, existing hospitals and homes and transferred military and other hospitals in operation or approved. 27 l. 24cm. Wash., 1948.

Brown, H. E. The hospitalization of veterans in private hospitals. Hosp. Progr., 1946, **27:** 175. ——— The voluntary hospital and the care of veterans. Ibid., 254–6.—**Civilian** hospitals take steps to care for 20,000 war veterans. Hosp. Management, 1946, **61:** No. 3, 28.—**Fesler, P. H.** Care of the veteran: from the standpoint of the American hospital association. Proc. Congr. M. Educ., 1932, 110–12.—**Fitzpatrick, E. A.** The community hospital and the hospitalization of veterans. Minnesota M., 1932, **15:** 650–3.—**Geistweit, W. H.,** jr. Veteran hospitalization problems. California West. M., 1933, **38:** 165–7.—**Griffith, C. M.** Classification of beneficiaries admitted for hospital treatment when directly referred by Army officers. Med. Bull. Veterans Admin., 1942–43, **19:** 245. ——— Veterans are not neglected. Mod. Hosp., 1943, **61:** No. 2, 76–8.—**Hawley, P. R.** The hospital program of the Veterans' Administration. Mil. Surgeon, 1946, **98:** 383–8.—**Hines, F. T.** Government plans for hospitalizing veterans of war. Hospitals, 1943, **17:** No. 10, 32–6.—**Hospitalization** of veterans. Bull. N. York Acad. M., 1949, **25:** 587–600.—**MacEachern, M. T.** Veterans hospitals can meet the coming need. Mod. Hosp., 1945, **65:** No. 3, 59–61.—**Pugh, Inez M.** Hospitalization of war veterans today. J. Iowa M. Soc., 1925, **15:** 657.—**Sutton, D. G.** Veterans' hospitalization is another of the urgent problems for Congress. Hospitals, 1948, **22:** 41.—**Swick, J. H.** Hospitalization for veterans. J. Am. Inst. Homeop., 1932, **25:** 1136–40.

—— veterinary.

Veterinary hospitalization. Month. Health Rep. Mil. Distr. Washington, 1948, **1:** No. 5, 14.

—— in peace.

Rouvroitch, J. M. Le désencombrement des hôpitaux militaires en temps de paix. Bull. internat. Serv. santé, Liége, 1940, **13:** 3–13.

—— in war.

Ferrier, J. F. De l'hospitalisation d'urgence en temps de guerre. 147p. 12° Par., 1903.

Gubin, E. K. The hospital shortage. Hygeia, Chic., 1942, **20:** 904.—**Marini, B.** La vita ospedaliera in una grande città durante le eccezionali condizioni create dalla guerra. Q. aggiorn. med., 1946, 69–75.—**Palmer, I.** Om frontens sjukvårdande verksamhet med hänsyn särskilt tagen till transportproblemet. Nord. med., 1941, **10:** 1896 (Abstr.)—**Schickelé.** L'hospitalisation en temps de guerre à l'intérieur du territoire national. Arch. méd. belges, 1935, Bull. internat., **88:** 3–22.

HOSPITAL report.

Groth, C. E. L. Amerikansk och engelsk militärsjukvård; erfarenheter från en studieresa till Amerikas Förenta stater och England september-november 1945. p.159–283. 22cm. Lund, 1946.

Forms No. 4, Tskr. mil. hälsov., 1946, **71:**

Sharon, H. B. It's good to be alive. 2. ed. 150p. 20cm. N. Y., 1945.

—— Africa.

Deserts and other places, being the story of a company of a field ambulance in South Africa and Kenya. S. Afr. M. J., 1941, **15:** 223.

—— Algeria.

Céard, J. L. Esquisse historique sur l'hôpital militaire de Colomb-Béchar (Sud-Oranais) p.37–87. 24cm. Par., 1934.

Arch. méd. pharm. mil., 1934, **101:**

—— Argentina.

Ateneo del Hospital militar Campo de Mayo. Rev. san. mil., B. Air., 1942, **41:** 681–3.—**Campos, L. M.** Ein neues Militärzentralkrankenhaus. Deut. Militärarzt, 1940, **5:** 298 (Abstr.)—**Hospital** militar de Campo de Mayo Dr Juan Madera. Rev. san. mil., B. Air., 1943, **42:** 129–31.—**Hospital** (El) militar central, Buenos Aires. Prensa méd. argent., 1943, **30:** 927.—**Hospital** militar regional de Salta; el pabellón de infecciosos; su inauguración. Rev. san. mil., B. Air., 1940, **39:** 80–3.—**Nuevo** (El) hospital militar central, Buenos Aires. Ibid., 1939, **38:** 337–57.—**Pabellón** para enfermedades infecciosas en el Hospital militar de la 4ª división, Córdoba. Ibid., 386–8.

—— Australia.

Portion (A) of the 10-story $3,000,000 hospital somewhere in Australia where American servicemen are treated for wounds and illnesses suffered in the Pacific area; it was provided by the government of Australia under its reciprocal lend-lease program [Illust.] Trained Nurse, 1943, **111:** 287.—**Stephenson, A. G.** Australia prepares for the wounded. Mod. Hosp., 1941, **56:** No. 4, 70–3.—**Walker, A. S.** Hospital work with the Australian Imperial Force in the Middle East. Med. J. Australia, 1942, **2:** 55–63.

—— Austria.

Burkard, O. Aus dem Felde 1914; Bericht über die erste Etablierung des k. u. k. Feldspitales 1/3. Wien. klin. Wschr., 1915, **28:** 81–3.—**Heereskurlazarett** Semmering [Picture] Deut. Militärarzt, 1939, **4:** 151.—**Setz, M.** Die Wiener Kriegs-Epidemiespitäler. Zschr. ges. Krankenhausw., 1933, 513–9.—**Smoler, F.** Kriegschirurgische Eindrücke und Erfahrungen aus einem mährischen Etappenspital. Beitr. klin. Chir., 1916, **96:** (Kriegschir. Hefte I) 25–37.—**Suchanek, E., & Joachimstahl, K.** Das österreichische Rot-Kreuz-Spital in Sofia. Wien. klin. Wschr., 1916, **29:** 258–62.—**Zamponi.** Das Heeres-Spital Wien, jetzt Heeres-Standortlazarett Wien. Deut. Militärarzt, 1939, **4:** 349–54.

—— Bolivia.

Cohn, L. Instalación de enfermerias regimentarias. Rev. san. mil., La Paz, 1940, **4:** 907.—**Galindo, R.** El Hospital militar no. 3 y sus proyecciones futuras. Ibid., 1938, **4:** 673–5.—**Proyecto** de reglamento del Hospital Militar Central y hospitales militares, faccionado por la Dirección general de sanidad militar. Ibid., 1940, **4:** 929–43.

—— Brazil.

Corrêa Netto, A., Etzel, E., & Cerruti, F. Cirurgia de guerra no Hospital de Sangue de Cruzeiro. p.59–111. 24cm. S. Paulo, 1934.

Ann. Fac. med. S. Paulo, 1934, **10:**

Rio de Janeiro, Brazil. Hospital central do Exército. Anais do Hospital central do Exército. Rio, ano 4, No. 4, 1939–

Ábreu, F. Noticia sobre o Hospital central do Exército. Rev. méd. brasil., 1944, **16**: 353–61. ——— Três anos de administração; Hospital central do Exército. Rev. med. mil., Rio, 1944, **33**: 311–7.—**Anais** do Hospital central do Exército. Ibid., 1940, **29**: 403.—**Centro** de estudos do Hospital central do Exército. Ibid., 259–62.—**Cerqueira, A.** Hospital central do Exército; historico. Ann. Hosp. centr. exerc., Rio, 1936, **1**: 7–12.—**Freitas Duarte, A. de.** O Hospital central do Exército e suas actividades. Hora med., Rio, 1943, No. 70, 19.—**Goulart Bueno, E.** Estatística médica do Hospital central do Exército referente ao ano de 1938. An. Hosp. centr. exerc., Rio, 1939, **4**: 173–89.—**Hospital** central do Exército. Fol. méd., Rio, 1943, **24**: No. 7, ix.—**Hospital** central do Exército; centro de estudos. Rev. med. mil., Rio, 1938, **27**: 432.—**Hospital** central do Exército comemorou o seu 54. aniversário. Brasil med., 1944, **58**: No. 21, 28.—**Leitão, F.** O Hospital central do Exército. Rev. méd. brasil., 1944, **16**: 227–34.—**M., P.** Hospital central do Exército. Rev. med. mil., Rio, 1944, **33**: 307–9.—**Mello, H.** Ligeira nota sobre o pavilhão de cirurgia a ser construido no Hospital central. An. Hosp. centr. exerc., Rio, 1939, **4**: 21–6.—**Mello, N. B.** Estatística médica do Hospital central do Exército, referente ao ano de 1939. Ibid., 1940, **5**: 251–66. ——— Estatistica do Hospital central do Exército, referente ao ano de 1940. Ibid., 1941, **6**: 255–71. ——— Estatística nosológica de 1941 do Hospital central do Exército. Ibid., 1942, **7**: 201–15.—**Monteiro, G.** Esboço histórico do Hospital militar de Belém. Bol. Dir. serv. saúde mil., 1944, **6**: 102–45.—**Rocha, J. S. de C.** Notícia histórica sôbre o Hospital Militar de Belém. Rev. med. mil., Rio, 1943, **32**: 421–3.—**Sant'Anna, N.** O Hospital militar. Pub. méd., S. Paulo, 1943–44, **15**: No. 4, 65–8.—**Santos Filho, L. de C.** Hospitais militares. In his Hist. med. Brasil, S. Paulo, 1947, **1**: 355. ——— Médicos e hospitais militares. Ibid., 363–79.—**Sânzio, C.** Considerações gerais sôbre a orientação terapêutica no sanatório militar de Itatiaia. Rev. med. mil., Rio, 1944, **33**: 29–35.

—— Canada.

Cameron, K. History of No. 1 General hospital, Canadian Expeditionary Force, 1914–1919. 667p. 24½cm. Sackville, 1938.

Bain, T. B. Pensions hospitals being expanded to meet anticipated war needs. Canad. Hosp., 1944, **21**: No. 3, 40–2.—**Campbell, G.** [Canadian military hospital on the Niagara Peninsula] In: Three Cent. Canad. Nurs. (Gibbon, J. M.) Toronto, 1947, 67.—**Carr, L.** Report on No. 13 Canadian General Hospital (overseas) J. Canad. M. Serv., 1943–44, **1**: 569–72.—**Elliott, J. H.** The history of a great Canadian military hospital. Canad. M. Ass. J., 1939, **40**: 396.—**Gibbon, J. M., & Mathewson, M. S.** Hospitals under war conditions. In their Three Cent. Canad. Nurs., Toronto, 1947, 50–3.—**Holland, C. W.** An historical sketch of the Dalhousie Unit. Nova Scotia M. Bull., 1929, **8**: 105–8.—**List** of Canadian hospitals overseas, War of 1914–1918. In: Three Cent. Canad. Nurs. (Gibbon, J. M.) Toronto, 1947, 311.—**Maag, E. L.** Visite de l'hôpital militaire de Toronto, Canada, 26 septembre 1941. Rev. internat. Croix Rouge, 1942, **24**: 39.—**McCallum, A. C.** R C N hospitals serve our growing Navy. Canad. Hosp., 1944, **21**: No. 3, 35–8.—**No. 10** Canadian General Hospital. Canad. M. Ass. J., 1943, **49**: 227–9.—**Section** (A) of the R. C. A. F. Hospital at St. Thomas, Ontario [Illust.] Canad. Hosp., 1944, **21**: No. 12, 38.—**Tice, J. W., & Jones, J. A.** The R. C. A. F. 35 bed hospital. Ibid., 1943, **20**: No. 12, 20; 58.—**Walton, C. H. A.** A Canadian General Hospital overseas. Manitoba M. Ass. Rev., 1944, **24**: 277–81.

—— Chile.

Día (El) nacional del hospital en el Hospital naval de Talcahuano. Rev. san. nav., Valparaíso, 1937, **7**: 43–50.—**Estadística** de los servicios hospitalarios de la Armada, correspondiente al año 1939. Ibid., 1940, **10**: 3–23.—**Mujica Gamboa, E.** Memoria del Hospital naval (T.) referente al servicio sanitario de urgencia, con motivo del terremoto del 24–I–39. Ibid., 1939, **9**: 13–23.—**Que** (Lo) es el Hospital naval Almirante Nef al cumplir 16 años de existencia. Bol. méd. Chile, 1943–44, **19**: No. 809, 1.

—— China.

Adolph, P. E. Shunteh Hospital aids war victims. In his Surg. Speaks to China, Phila., 1945, 123–30. ——— Return to Luan Hospital. Ibid., 131–9. ——— Invited into Kaifeng Hospital. Ibid., 166–82.—**Boshamer, K.** Das Kwangsi-Armee-Hospital in Nanning (Kwangsi, Südchina) Zschr. ges. Krankenhausw., 1935, 5–7.—**China's** cave hospitals. Hosp. Topics, 1943, **21**: No. 6, 18–20.—**Chinese** (A) military hospital. Lancet, Lond., 1946, **1**: 433.

—— Crete.

Debenham, R. K. A R. A. M. C. hospital in Crete. J. R. Army M. Corps 1942 **78**: 183–5

—— Cuba.

Cuba. Ejército. Hospital militar Dr Aristides Agramonte. Boletín del Hospital militar. La Habana, v.**1**, 1948–

Silva Ruiz, F. E. Hospitales de la sanidad militar. p.1–62. 25cm. Habana, 1949.
Bol. Hosp. milit., Habana, 1949, **2**: Spec. No., 1–62.

Figueras y Ballester, A. El Hospital general del Ejército. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 105–26.—**Hospital** militar 4 de Febrero. Rev. san. mil., Habana, 1943, **7**: 244–7.

—— Czechoslovakia.

Asman, V. [Brief history of the division Hospital] Voj. zdrav. listy, 1934, **10**: 94–102.—**Kiehnle.** Das Heeresstandortlazarett Prag (jetzt Reservelazarett I) Med. Welt, 1940, **14**: 729.—**Polák, O.** Prvních 5000 propuštěných vojínů v c. k. stanici pro raněné a nemocné v P., barákový oddíl. Cas. lék. česk., 1916, **55**: 1279; passim, 2 pl.—**Trenkler, R.** [Division Hospital No. 9 in Bratislava] Voj. zdrav. listy, 1930, **6**: 61–95.—**Wolf, V.** [The war hospital of the Red Cross at Pieštany, 1914–18] Ibid., 1931, **7**: 55–8.

—— Denmark.

København, Denmark. Militaerhospital. Beretning om virksomheden paa Københavns Militaerhospital i 1938. p.1–56. 23cm. Kbh., 1940.
Militaerlaegen, 1940, **46**: Suppl.

Norrie, G. Traengselstider for Københavns Garnisonssygehus. 51p. 23½cm. Kbh., 1928.
Militaerlaegen, 1928, **34**:

Ammentorp, L. [The military hospital of Copenhagen] Militaerlaegen, 1929, **35**: 1–34, 6 diagr.—**Cases** of sickness treated in the Military Hospital. Ibid., 1937, **43**: 38–86. — **Nyrop, E.** Dänisch Rote Kreuz Folkekuranstalt ved Hald und ihre sozial-orthopädischen Aufgaben. Zschr. orthop. Chir., 1929, **51**: 161–72.

—— Dominican Republic.

Ciudad Trujillo, Dom. Rep. Hospital militar Profesor Marion. Inauguración del Hospital militar Profesor Marión en Ciudad Trujillo, D. S. D. el 14 de octubre de 1938. 86p. 23cm. Ciudad Trujillo, 1938.

—— Dutch Guiana.

Paramaribo, Dutch Guiana. Militair Hospital. Jaarverslag. Paramaribo, 1913–21.

Dutch Guiana. In: Prev. Med. in World War II, Wash., 1948, **7**: 155–7.

—— Egypt.

Connell, W. T. Experiences in a base hospital in Egypt. Proc. Canad. Club of Toronto, 1916, **13**: 200–7.—**Jefferson, J. C., & Blacklay, O. H.** Surgical work at the Military Hospital, Cairo. Brit. M. J., 1915, **1**: 1000.

—— Finland.

Viipuri, Finland. Viipurin sotilassairaala. 40p. 8° Viipuri, 1932.

Militärkrankenhaus (Das) in Helsingfors. Deut. Militärarzt, 1940, **5**: 297 (Abstr.)

—— France.

See also **Medical center.**

Bouvet, M. L'inspection des hôpitaux militaires avant la Révolution. p.299–354. 24½cm. Par., 1936.
Rev. Serv. san. mil., Par., 1936, **104**:

Depage, A. L'Ambulance de l'Océan à La Panne; sa fondation, son évolution, son organisation. p.5–64. 25cm. La Panne, 1917.
Tr. Ambul. Océan, La Panne, 1917, **1**:

Des Cilleuls, J. M., & Caux, A. Une page d'histoire du Service de Santé; l'hôpital militaire de Belfort. p.373–425. 24½cm. Par., 1932.
Arch. méd. pharm. mil., 1932, **97**:

Fabre, E. *Un hôpital d'évacuation aux Dardanelles l'H. O. E. 1 de Moudros, avril 1915–février 1916. 52p. 8° Par., 1920.

Malard, M. Historique de l'Hôpital militaire Aufrédi, de La Rochelle. p.867–949. 24½cm. Par., 1936.
Rev. Serv. san. mil., Par., 1936, **104:**

Mayonade, J. J. La Maison des Blessés de Longpré-les-Amiens (1597) premier hôpital d'armée en France. p.603–69. 24cm. Par., 1934.
Arch. méd. pharm. mil., 1934, **101:**

Montel, E. L. L'histoire de l'hôpital militaire de Marseille. p.657–777. 24½cm. Par., 1936.
Rev. Serv. san. mil., Par., 1936, **104:**

Salvanet, J. *Une innovation de la guerre 1939–40, l'ambulance de spécialités; rôle, organisation et fonctionnement de l'Ambulance chirurgicale légère de spécialités, no. 235. 79p. 24cm. Par., 1940.

Tournier-Lasserve, J. J. R. Histoire médico-militaire de Barèges. 199p. 24½cm. Tarbes, 1937.

Bienstock. Vingt mois de guerre à l'Hôpital militaire de Mulhouse. Strasbourg méd., 1937, **97:** 198–201.—**Bryan, C. W. G.** Surgical experience in a base hospital in France. S. Mary Hosp. Gaz., Lond., 1915, **21:** 98–101.—**Dorveaux, P., & Fleur, E.** L'hôpital Messin de l'armée de Condé durant le siège de Thionville. Bull. Soc. hist. pharm., Par., 1926, 264–70.—**Dujardin, L.** Un hôpital temporaire de campagne au XVIII^e siècle. Chron. méd., Asnières, 1936, **43:** 81–4.—**Georges, M. M. E.** Histoire de l'hôpital militaire de Nancy. Rev. Serv. san. mil., Par., 1938, **108:** 581; **109:** 35.—**Hauserman, R. B.** A war hospital in France. Bull. Acad. M. Cleveland, 1940, **25:** No. 5, 10.—**Klipffel, L.** L'hôpital militaire d'instruction de Metz. Arch. méd. pharm. mil., 1933, **99:** 231–75.—**Landouzy, L.** Hôpital auxiliare de l'Institut No. 265. C. rend. Acad. sc., 1914, **152:** 536–9.—**Lanselle, M.** Notes sur un Hôpital militaire au temps de Louis XIV. Bull. Soc. fr. hist. méd., 1933, **27:** 224–8.—**Lemaire, L.** Historique de l'Hôpital militaire de Dunkerque. Rev. Serv. san. mil., 1936, **105:** 881–903.—**Pettavel, C. A.** Kriegschirurgische Erfahrungen aus einem Rotkreuzspital in Lyon. Korbl. Schweiz. Aerzte, 1916, **46:** 321; 367.—**Rendu, A.** Sept mois de chirurgie dans un hôpital du front. Lyon méd., 1915, **124:** 227; 282.—**Rouffiandis.** Le chancelier Imbert de l'Université de médecine de Montpellier, Inspecteur des hôpitaux militaires, et de ce qu'il advint à la suite de deux de ses inspections à Perpignan. Bull. Soc. fr. hist. méd., 1938, **32:** 170–7.—**Schickelé, M. J. A.** Le groupement d'ambulances de corps d'armée. Arch. méd. pharm. mil., 1928, **89:** 521–59.—**Spire.** Installation d'un groupement d'ambulances de corps d'armée. Montpellier, méd. 1927, **49:** 395; 415.—**Tournade, A.** Organisation et fonctionnement de l'hôpital temporaire No. 13, de Verdun. Arch. méd. pharm. mil., 1915, **64:** 315–55.—**Yardin, A.** L'hôpital militaire de Calais. Rev. Serv. san. mil., Par., 1938, **108:** 85–128. Also German transl., Deut. Militärarzt, 1940, **5:** 298 (Abstr.)

—— Germany.

Germany. Oberkommando des Heeres. Chirurgisches Sonderlasarett [Bruxelles, Belg.] Veröffentlichungen, 1942–43. 570p. 24cm. Brux., 1944.

Wilmanns. Die badischen Lazarette während des Krieges. 41p. 8° Berl., 1932.
Forms H. 88, Veröff. Heer. San.

Hans, H. Technisches und Therapeutisches aus dem Reservelazarett zu Limburg a. d. Lahn. Eine zwanglose Zusammenstellung. Berl. Klin., 1914, **10:** 1820.—**Hölscher.** Ein deutsches Feldlazarett an der Westfront. Deut. med. Wschr., 1935, **61:** 1936–8.—**Hoffmann, K. F.** Einrichtung, Hygiene und Organisation eines Militärlazarettes vor rund 150 Jahren. Hippokrates, Stuttg., 1943, **14:** 27–30.—**Hünicke, E.** Das erste motorisierte Lazarett betreut die rückgekehrten Wolhyniendeutschen. Umschau, 1940, **44:** 216–9.—**Koehler, H.** Das Feldlazarett Nr. 29 im Weltkriege. Deut. med. Wschr., 1935, **61:** 722; 807.—**Meller, A.** Ueber die Mitwirkung des Deutsch-Ordens-Verwundeten-Spitals Nr. 4 beim Abschube der Verwundeten in Przeworsk. Wien. Klin. Wschr., 1915 **28:** 109–12.—**Nadler, F.** Die Bauart des neuen Marinelazaretts Stralsund. Zschr. ges. Krankenhauswes., 1938, 416–20.—**Pezold, v.** Ein Fe'dlazarett im Argonnenab chnitt. Deut. med. Wschr., 1934, **60:** 1647–9.—**Razzeto.** Observaciones y experiencias personales en la traumatología de guerra en el segundo conflicto mundial en Alemania; la Clínica de cirugía de la Universidad de Munich como centro especializado en la atención de heridos de guerra. Bol. Acad. peru. cirug., 1947, **1:** No. 4, 5–16.—**Rouyer.** La maison de convalescence du 15^e corps d'Armée Allemand, à Rothau. Bull. Soc. méd. mil. fr., 1908, **2:** 463.—**Thomann.** Motorisiertes Feldspital des Deutschen Roten Kreuzes. Veska Zschr., Luzern, 1940, **4:** 139.—**Tobold.** Militärlazarettwesen. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9:** 464–81.—**Werthmann, Ebster & Winckler.** Der Einbau der Klimaanlage im Hindenburglazarett Berlin-Zehlendorf. Veröff. Heer. San., 1939, **109:** 53–64.—**Wulp, G. A.** Hospital buildings in Germany. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 182.

—— Great Britain.

Chelsea, Engl. Royal Hospital. Army prize money and legacy funds. Lond. (1943/44) 1944–

Lord, J. R. The story of the Horton (Co. of London) war hospital: Epsom, its inception and work and some reflections. 264p. 8° Lond., 1920.

Ashwin, C. Two years in a front line hospital. Radiography, Lond., 1941, **7:** 184–8.—**Barling, G.** Surgical experiences at the 1st Southern General Hospital, Birmingham. Brit. M. J., 1915, **1:** 190–2, 2 pl.—**Bradley, C. R. S.** The passing of the Military Hospital, Devonport. J. R. Army M. Corps, 1927, **49:** 94–7.—**Dorrance, G. M.** Observations on the work at Queen's Hospital in England. J. Am. M. Ass., 1919, **73:** 1183.—**Dwyer, S. M.** A base hospital in England. Am. J. Nurs., 1941, **41:** 877–84.—**Extracts** from Instructions for the naval hospitals at Haslar and Plymouth, 1808. J. R. Nav. Serv., 1930, **16:** 295–9.—**Gordon, J. E.** British military hospitals and convalescent depots. Nurs. Mirror, Lond., 1946, **83:** 258.—**Greenwood, A.** Surgery in a British base hospital in France. N. York M. J., 1918, **107:** 748.—**Houghton, J. W. H., & Wilson, G.** A summary of operations performed at the Cambridge Hospital, Aldershot, during the past two years. J. R. Army M. Corps, 1912, **19:** 746–9.—**Howard, J.** The Royal Naval Hospital at Haslar near Gosport. J. R. Nav. M. Serv., 1948, **34:** 76–8.—**Hurford, A.** The early history of Plymouth hospital; obtained from Admiralty records, documents and local records. Ibid., 1935, **21:** 40; 138; 151; 249.—**MacLaurin, C.** From a London war hospital. Med. J. Australia, 1916, **3:** 393.—**Malta** (From) to Palestine; three Army hospitals at work. Nurs. Mirror, Lond., 1945, **81:** 149.—**Moeller, F. W.** Some experiences in the British hospitals during six months' service there in nineteen hundred fifteen. Chicago M. Rec., 1916, **38:** 504–8.—**Neff, J. M., & O'Malley, J. G.** Some observations on military surgery during one year's service in the 23rd general hospital, B. E. F., France. Surg. Gyn. Obst., 1918, **26:** 51–60.—**Nightingale, H. J.** A base hospital in 1918. Lancet, Lond., 1944, **1:** 525–7.—**Rodd, M. L. B.** Some emergency cases at Royal Marine Infirmary, Deal. J. R. Nav. M. Serv., 1919, **5:** 330–2.—**Wakeley, C. P. G.** Royal Naval Hospital, Haslar. Med. Press & Circ., Lond., 1942, **207:** 4–7.—**Ward, R. O.** An account of an improvised C. C. S. from its inception at Offranville to its closure at Rennes. J. R. Army M. Corps, 1943, **81:** 171–5.—**Wilcox, C.** A New Zealand military hospital in England. Nurse, Jamestown, 1916, **4:** 307–9.

—— Guatemala.

Guatemala. Ministerio de la Guerra. Reglamento de Hospital militar. 56p. 16° Guatemala, 1930.

—— Holland.

Bezoek aan Kareol. [Formerly a sanitarium under the Red Cross, but at the time of this article used for wounded soldiers] Tschr. sociale geneesk., 1941, **19:** 223–5.—**Hallema, A.** Hoe men een eeuw geleden een militair hospital te Utrecht beschreef en over zijn outillage oordeelde. Ziekenhuiswezen, 1936, **9:** 448–56.—**Penning, C. P. J.** Het voormalige Militair Hospital te Harderwijk en iets over het koloniaal werfdepot en de eerste 500 hervisitatiën van 1843–1866. Bijdr. gesch. geneesk., 1941, **21:** 25–32. Also Ned. tschr. geneesk., 1941, **85:** 876–83.

—— Hong Kong.

Walsh, D. F. The new Royal Naval Hospital, Hong Kong. J. R. Nav. M. Serv., 1949, **35:** 230–5.

—— Hungary.

Loványi, I., & Vészi, I. Az egészséges néphadseregért mozgalom a honvéd központi kórházban. Honvédorvos, 1950, **3:** 103–9.—**Szedő, I.** A kórházparancsnok munkája. Ibid., 368–72.

—— India.

Army hospitals in India now air conditioned. J. Am. M. Ass., 1944, **125:** 498.—**Reader, N.** Notes on war surgery from the Indian Troops War Hospital, Dehra Dun. Ind. M. Gaz., 1918, **53:** 401–7, 2 pl.

—— Iran.

With the Army in Persia; hospital at Teheran. Nurs. Times, Lond., 1944, **40:** 367.

—— Italy.

Fabris, U. Relazione illustrata dell'Ospedale. 79p. 4° Vicenza, 1917.

Finocchiaro, G. Relazione ospitaliera. 49p. 8° Catania, 1916.

Giovanni, V. L'Ospedale militare di riserva di Crema, 1915–19. 36p.; 8p. 8° Crema, 1920.

Marcovigi, G. Un ospedale militare di guerra. 44p. 8° Bologna, 1917.

Silvestrini, L. L'Ospedale militare di riserva di Mirandola durante la guerra europea (1915–18) resoconto clinico-operativo. 93p. 8° Bologna, 1920.

Traniello, V. L'ospedale militare del celio; a Roma in relazione ai moderni concetti d'igiene ospitaliera. 89p. 8° Roma, 1901.

Vaccari, A. Il riparto chirurgico delle navi ospedale Regina d'Italia e Albaro durante l'anno 1913. p.145–280. 23cm. Roma, 1914.

Ann. med. nav., Roma, 1914, **20**: pt 2.

Bianchini, A. Mentre risorge l'Ospedale militare di S. Spirito in Verona. Gior. med. mil., 1947, **94**: 232–4.—**Buonanni, S.** Statistica delle operazioni chirurgiche praticate negli ospedali dipartimentali marittimi durante il triennio 1911–12–13. Ann. med. nav., Roma, 1916, **22**: 149–69.—**Caccia, F.** Funzionamento chirurgico dell'ospedale da campo specializzo n. 057, durante il trimestre luglio-settembre 1917, con speciale riguardo alle indicazioni terapeutiche nelle ferite cavitarie. Gior. med. mil., 1918, **66**: 191–216.—**Cherubini, L.** L'Ospedale Carrel a Compiègne e il trattamento delle ferite in guerra. Riv. osp., 1917, **7**: 222–5.—**Corsi, A.** Resoconto statistico dell'attività chirurgica operatoria negli stabilimenti sanitari militari del Regno durante il 1938. Gior. med. mil., 1940, **88**: 14–45.—**Ferrari, R. P.** Organisation und Betrieb der italienischen Heereskrankenhäuser. Deut. med. Wschr., 1937, **63**: 1309.—**Giugni, F.** Il Duce visita un ospedale militare. Policlinico, 1941, **48**: sez. prat., 1969–71.—**Kalb.** Rendiconto delle febbri curate nella sezione medica dell'ospedale divisionale di Cagliari nel mese di ottobre 1851. Gior. med. mil., 1851–52, **1**: 275.—**Lambert, P.** Visite de l'hôpital militaire de Caserte, Italie, 3 novembre 1941. Rev. internat. Croix Rouge, 1942, **24**: 37–9. ——— Visite de l'hôpital militaire de Bologne, 11 decembre 1941. Ibid., 104. ——— Visite de l'hôpital militaire de Ravenne, 11 décembre 1941. Ibid., 104.—**Nuovo** (Il) ospedale militare principale di Milano. Osp. maggiore, Milano, 1937, **25**: 71–9.—**Ricci, F.** L'attività di un Reparto militare di medicina durante un anno. Riv. osp., 1942, **32**: 304–9.—**Tacchetti, G.** Rendiconto statistico-clinico del reparto chirurgico dello spedale del 2° Dip. Marittimo dal 12 dicembre 1907 al 1° marzo 1910. Ann. med. nav., Roma, 1912, **18**: 26; 158.—**Valerio, M.** Con l'ospedale da Campo N. 430. Osp. maggiore, Milano, 1937, **25**: 421–7.—**Varenne, G.** Le service de santé maritime italien à l'exposition de Milan; un hôpital modèle pour navire de combat de 1re classe. Arch. méd. nav., Par., 1906, **86**: 361–73.

—— Japan.

Kaigun byōin [Naval hospitals] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tokyo, 1910, 120–238, 3 diagr.—**Koike, M.** Dai-ni Sidan-ka zyunsi hōkoku ryaku [Condensation of report on a tour of inspection of army hospitals of the Second Division] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 72–108. ——— Sinkoku tyūton gun-byōin tyō ni ataetaru kunzi [Instructions to heads of army hospitals at posts in China] Ibid., 549–51.—**Kure** kaigun byōin [Kure naval hospital] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tokyo, 1910, 175–99.—**Maizuru** kaigun byōin [Maizuru naval hospital] Ibid., 209–17.—**Ryozyun-kō** kaigun byōin [The Naval hospital at the entrance to Port Arthur] Ibid., 224–38.—**Sasebo** kaigun byōin [Sasebo naval hospital] Ibid., 131–75, 3 diagr.—**Takesiki** yōkō-bu byōsitu [Takesiki naval depot infirmary] Ibid., 217–23.—**Yokosuka** kaigun byōin [Yokosuka naval hospital] Ibid., 199–209.

—— Jugoslavia.

Kovačević, T. O izvesnim pitanjima organizacije terapeutskog rada u našim vojnim bolnicama. Voj. san. pregl., Beogr., 1948, **5**: 82–7.—**Rouviditch, M.** [Eleven years of work in the department for internal diseases in the Principal Military Hospital, Beograd 1922–32] Voj. san. glasnik, 1934, **5**: 641–88

—— Korea.

Satō, T. Husan Saisei Iin tyō [Koike as Superintendent of the Husan Saisei Hospital] In his Den Masanao Koike, Tōkyō, 1940, 31–42.

—— Lithuania.

Nasvytis, M. [Report on the activity of the laboratory of the Military Hospital of the name Dr Jonas Basanavičiaus] Medicina, Kaunas, 1940, **21**: 392–401.—**Oźelis, K.** [Fifteen years of activity of the Military Hospital of Kaunas] Ibid., 1934, **15**: 712–8.

—— Mesopotamia.

Connellan, P. S. War surgery in an Indian General Hospital in Mesopotamia. Bristol Med. Chir. J., 1917, **35**: 113–28.

—— Mexico.

Sánchez Neira, I. El Hospital central militar. 128p. 32½cm. Méx., 1943.

Vargas B., F. R. Apuntamientos históricos del Hospital militar. p. 1–36. 22½cm. Méx. 1945.

Forms Suppl. to No. 6, v. 2, Multa paucis med., Méx., 1945.

Hospital central militar. Rev. méd. mil., Méx., 1938, **1**: No. 3, 3–9.—**Hospital** (El) central militar; en construcción. Ibid., No. 5, 3–5.—**Idiaquez, C. P.** Breves apuntes históricos del Hospital militar de instrucción. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2**: 183–7.—**Suárez Torres, G.** Organización de los hospitales militares fijos. Mem. Convenc. méd. mil. mex., 1936, 41–52, map.—**Vargas B., F. R.** El Hospital militar de Santa Anna. Multa paucis med., Méx., 1945, **2**: No. 6, Suppl., 3–16, portr. ——— El Hospital central militar. Ibid., 17–36.

—— New Zealand.

Among the cedars of Lebanon; a New Zealand Hospital; for Middle East casualties [Illust.] Nurs. Times, Lond., 1942, **38**: 844.—**New** Zealand Army Hospital. J. Am. M. Ass., 1944, **125**: 436.

—— Norway.

Klaveness, T. Oslo kommunale sykehus i krigens tegn, en dokumentasjon. 205p. 23cm. Oslo, 1947.

Schie, E. G. Rapport om Feltsykehus 6's vorksomhet under felttoget i ofotenavsnittet 9/4 til 10/6 1940. 69p. 23cm. Oslo, 1946.

Forms Suppl. to No. 23, Tskr. Norske laegeforen., 1946.

Haugseth, K. Arsberetning fra Marinens sykehus for året 1931. Norsk tskr. mil. med., 1932, **36**: 81–91.—**Manthey, C.** Operations liste for marinens sykehus i 1912. Ibid., 1913, **17**: 106.—**Natvig, N.** Beretning om Oslo militaere sykehus for 1931. Ibid., 1932, **36**: 34–42.—**Wergeland, H., Fodstad, D.,** & **Harlem, K.** Erfaringer fra et norsk feltsykehus arbeid med russiske ekskrigsfanger i Mo i rana sommeren 1945. Nord. med., 1946, **32**: 2353–9.

—— Nova Goa.

Oliveira, J. A. Hospital regimental de Nova Goa. J. pharm. sc. med. India Portug., 1862–63, 53. ——— Hospital de Damão. Ibid., 54. ——— Hospital de Dio. Ibid., 55.

—— Paraguay.

González, G. Memoria del Servicio de clínica médica del Hospital militar central. Rev. san. mil., Asunción, 1944, 215–22.

—— Peru.

Conversatorio clínico del Hospital militar de San Bartolomé. Reforma méd., Lima, **30**: 715.—**Hospital** militar del Perú. Rev. san. mil., B. Air., 1944, **43**: 720.—**Lastres, J. B.** El Hospital militar de San Bartolomé; homenaje en su tercer centenario, 1646–1946. Rev. san. mil., Lima, 1946, **19**: 5–24.—**Nuevo** (El) Nosocomio militar. Rev. mil. Perú, 1943, **40**: pt 2, 225.—**Proyecto** del nuevo Hospital militar. Rev. san. mil., Lima, 1943, **16**: 5–10.

—— Philippine Islands.

Cooper, W. E. The tunnel hospital. In his Med. Dept Activ. Philippines, Wash., 1946, 83.—**Gabriel, P.** Spanish military hospitals in Manila. Rev. filip. med., 1933, **24**: 168–72.—**Wilburn, D.** Field hospital on Luzon. Hosp. Corps Q., 1945, **18**: No. 9, 61.

—— Poland.

Rudzki, S. Zarys historji szpitalnictwa wojskowego w Polsce. p. 379–518. 24cm. Warsz., 1927.

Lek. wojsk., 1927, **9**:

Babecki, J. Projekt planu sytuacyjnego Szpitala Wojskowego w Warszawie. Lek. wojsk., 1927, **10**: 350–3, pl.—**Bobrowski, E.** [Beginning of hospitalization of the Polish Legions] Ibid., 1936, 28: 276–90.—**Ficki.** Spostrzeżenia kazuistyczne; ze szpitala wójskowego w Ostrowiu Łomż. Ibid., 1920, **1**: No. 25, 16.—**Kelles-Krauz, S.** Rok pracy w szpitalu wojskowym. Ibid., No. 28, 13–8.—**Michalski, Z.** Sprawozdanie z działalności kliniki wewnętrznej Uniwersytetu Warszawskiego w szpitalu św. Ducha za siedmiolecie 1918–1925 oraz rys historyczny tej kliniki. Polskie arch. med. wewn., 1925, **3**: 207–20.—**Strehl, L.** Zarys historji 7. Szpitala Okręgo-

wego. Lek. wojsk., 1933, 21: 411-9.—**Węglowski, R.** Piętnaście miesięcy pracy w szpitalu wojskowym w Zamościu. Ibid., 1921, 2: 845; 877.—**Zembrzuski, L.** [Radziwill hospital] Ibid., 1926, 7: 467; 559, pl.—**Zieliński, I., & Czechowicz, F.** Spostrzeżenia z inspekcji szpitali wojskowych. Ibid., 1921, 2: 1200–13.

—— Portugal.

Dias da Costa, M. Trinta meses de clínica na Ilha do Faial. Bol. Dir. serv. saúde mil., 1945, 8: 179–93.—**Figueiredo e Silva, E. S. de.** Antigos hospitais militares de Lisboa e sua história; breve notícia do Hospital militar de Campolide como começou e como acabou. Ibid., 1944, 6: 98–101.—**Martins da Silva.** Hospital militar da Terceira; relatorio da actividade dos serviços de radiologia e fisioterápia no ano de 1945. Ibid., 1947, 10: 130–57, 12 pl.

—— Romania.

See also **Hospital,** veterinary.

[**Celebrations** at the military hospital Regina Elisabeta, 1 Feb. 1939] Rev. san. mil., Bucur., 1939, 38: 33–41.—**Jianu, I.** [Organization of the clinical-surgical institute at the Colentina hospital of Vederea; defense mechanism of the hospital] Rev. chir., Bucur., 1940, 829–34, plan.—**Saidac, I., & Parvulescu, N.** [Hôpitaux et sanatoriums militairs roumains] Deut. Militärarzt, 1940, 5: 297 (Abstr.)

—— Russia.

Leningrad, U. S. S. R. Evakohospital. Труды эвакогоспиталей системы фронтового эвакуационного пункта No. 50. Leningr., No. 2; 5/6, 1943.

Tadzhik S. S. R. Narodnyi komissariat zdravookhraneniia. Сборник научных работ эвакогоспиталей Наркомздрава Таджикской ССР. 172 p. 21cm. Stalinabad, 1945.

Andreev, G. Rižskij voennyj hospital osnovan v pervoj polovine 17 v. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1142–4.—**Bunkin, N.** Hospital dlja lečenija legko ranenykh i bolnykh. Ibid., 2: 177–82.—**Day** (A) in a Russian hospital. Mod. Hosp., 1944, 62: No. 6, 80.—**Epstein, O., & Lagovsky, N.** Lazaret. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 358–64.—**Epstein, O., & Rozanov, P.** Hospital voennyj. Ibid., 2: 152–75.—**Fialkovsky, P.** Kievskij okružnoj voennyj hospital. Ibid., 1214–6.—**Filenius, V.** Irkutskij voennyj hospital. Ibid., 998–1000.—**Gelfgat, I.** Kharkovskij voennyj hospital. Ibid., 5: 839.—**Goldman, D.** Kronštadtskij ordena Lenina voenno-morskoj hospital. Ibid., 3: 218–21. —— Leningradskij ordena Lenina voenno-morskoi hospital. Ibid., 455–7.—**Ibragimov, B.** Leningradskij voennyj hospital. Ibid., 452–5.—**Gorjushin, M. A.** [Activity of the Zemstvo Lazaret for wounded] Vest. Obshch. Hig. &c, Petrogr., 1916, 52: 2. pt, 54–8.—**Jakovlev, G.** K istorii Kazanskogo voennogo hospitalja. Voen. med. J., Moskva, 1947, No. 9, 38.—**Jushkevich, L. A.** [Extract from the list of patients in the Ashur-Ade Naval Hospital and in the Astrabad naval station for March, 1916] Morsk. vrach, Petrogr., 1916, 191.—**Kargin, V.** Odesskij voennyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1459.—**Khronika** sovešćanij oftalmologičeskoj i otolaringologičeskoj podsekcii khirurgičeskoj sekcii UMS pri načalnike GVSU Krasnoj Armii. Voen. med. J., Moskva, 1946, No. 9, 44–9.—**Kraus, A. A.** Evakohospitali Tadžikistana. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 3–15.—**Krupchinsky, A.** Glavnyj voennyj hospital Vooružennykh Sil SSSR. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1304–8.—**Lazarev, M. G.** Itogi lečebnoj raboty hospitalej glubokogo tyla. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. ckrug) Sverdlovsk, 1941, 5–16.—**Lazurenko, I.** Vladivostockij voenno-morskoj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 754.—**Leonenko, P. M.** [How the story of the N... evaco-hospital was written] Hosp. delo, 1945, No. 1, 12–5.—**Lezhin, M.** Orenburgskij voennyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 80.—**Lukashevich, D.** Klinićeskij voennyj hospital Voenno-medicinskoj Akademii Ibid., 2: 1312–7. —— Varšavskij Ujazdovskij voennyj hospital. Ibid., 1: 645–7.—**Makeev, M., & Novsky, E.** Sevastopolskij voenno-morskoj hospital. Ibid., 5: 11–5.—**Miterev, G. A.** Itogi i zadači raboty evakohospitalej Narkomzdrava Sojuza SSR. In: Tr. Plen. Hosp. sov. Narkomzdr SSSR (1942) 1943, 2. Congr., 5–23.—**Pisemsky, P. N.** [Statistical illustrations in the histories of evaco-hospitals] Hosp. delo, 1945, No. 3, 15–23.—**Polikarpov, N.** Kazanskij voennyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1089–91.—**Položenie** ob otdele evakohospitalej pri upravleni. gorodskikh bolnic Narkomzdrava SSSR. Sborn. prikaz instrukc. Narkomzdr., 1942, No. 2, 3.—**Položenie** o podsobnykh khozjaistvakh pri evakohospitaljakh sistemy Narkomzdrava RSFSR. Sborn. instr. metod. mat. evakohosp., 1943, No. 17, 21–3.—**Popov, N.** Khirurgičeskaja pomošć v Zaamurskom Okružnom hospitale Otdelnago Korpusa Pogranične Straži za 1911 g. Khirurgia, Moskva, 1912, 32: 757–70.—**Poriadke** (O) sdači tovarnoj produkcii podsobnymi khozjaistvami evakohospitalej Narkomzdrava SSSR; prikaz po Narkomzdravu SSSR No. 422 ot 13. avgusta 1943 g. Sborn. instr. metod. mat. evakohosp., 1943, No. 17, 15.—**Riabov, G.** Centralnyj voennyj krasnoznamennyj hospital imeni P. V. Mandryka. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 941.—**Rukovodstve** (O) evakohospitaljami; prikaz po Narkomzdravu SSSR ot 30.VII 1941 g. No. 374. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 3.—**Shlykov, A.** Okružnoj voennyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 6–8.—**Shustov, V.** Hospitalnaja baza. Ibid., 2: 182–90.—**Syrnev, A.** Taškentskij voennyj hospital. Ibid., 5: 449.—**Teremecky, G.** Simferopolskij voennyj hospital. Ibid., 116.—**Ulučšenii** (Ob) lečebno-diagnostičeskoj raboty evakohospitalej; prikaz po Narkomzdravu SSSR ot 27.VIII 1941 g. No. 412. Sborn prikaz. instrukc. Narkomzdr., 1942, No. 2, 6.—**Venderovich, E. L.** [Distribution of the enlisted men evacuated from the hospitals of the region of Tsarskoe Selo for the first half year of its operation] Vest. Tsarskoselsk. Raiona, 1916, 2: No. 2, 29–34.—**Verevkin, M. D.** [The work of Moskva evacuation hospitals for 1943] Hosp. delo, 1944, No. 7, 11–8.—**Vvedenii** (O) dopolnitelnykh dolžnostej starših inspektorov po evakohospitaljam i glavnykh khirurgov oblastnykh, kraevykh otdelov zdravookhranenija i narkomzdravov ASSR. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 13.—**Vydelenii** (O) sredstv na organizaciju novykh i ukreplenie sušćestvujušćikh podsobnykh khozjaistv pri evakohospitaljakh; rasporjaženie Sovnarkoma RSFSR No. 540-r ot 23. aprelja 1943 g. Sborn. instr. metod. mat. evakohosp., 1943, No. 17, 14.—**Zalkind, I.** Tbilisskij voennyj hospital. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 450.

—— Scandinavia.

Norrie, G. [From the history of Scandinavian military hospitals] Tskr. mil. hälsov., 1927, 52: Bihang, 1–8.

—— Senegal.

Coudray. Dix-huit mois de pratique médicale hospitalière en France en milieu sénégalais. Arch. méd. pharm. mil., 1933, 98: 37–72.

—— Spain.

Carerj, L. Sull'organizzazione e funzionamento del servizio chirurgico dell'Ospedale legionario 043. Minerva med., Tor., 1941, 32: pt 1, 20–4.—**Casarini, A.** Gli ospedali da campo della Regina Isabella di Castiglia. Riv. stor. sc. med., 1933, 24: Suppl., 56–61.—**Gómez Ulla, M.** Estadística operatoria del Hospital militar de Carabanchel. Rev. san. mil., Madr., 1913, 3. ser., 3: 441–6.—**Hospital** militar de Barcelona. Cruz roja, Madr., 1925, 27: 858–60.—**Minguillón, J.** Necesidad urgente de un nuevo reglamento de hospitales militares. Rev. san. mil., Madr., 1934, 24: 111–4.—**Valcarce Alfavate, J.** Labor realizada en los hospitales militares de Astorga durante los años 1936, 1937 y 1938. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 338–45.

—— Sweden.

Aleman, O. Garnisonssjukhuset i Stockholm, 1834 (1811)–1934; en historisk översikt. p. 109–260. 22cm. Lund, 1934,

Tskr. mil. hälsov., 1934, 59:

Åkerman, N. [Military hospital in Viborg] Tskr. mil. hälsov., 1935, 60: 44–8.—**Lindén, K.** Sårade flyktingar å Lärbro krigssjukhus maj 1945. Ibid., 1946, 71: 99–106.—**Lundgren, P. G.** Svar till generalfältläkare Lindsjö rörande vissa frågor inom den militära sjukvården. Sven. läk. tidn., 1943, 40: 3042–4.

—— Switzerland.

Vollenweider, P. L'utilisation des secours volontaires et des hôpitaux civils par le Service de santé de guerre en Suisse. Bull. internat. Serv. santé, Liége, 1938, 11: 456–83.

—— Turkey.

Baha Ener [Construction of modern military hospitals] Askeri sihhiye mecmuasi, 1939, 68: 63–72.—**Rüştü Bilge & Sadettin Tosun** [Report of the chief of the military hospital] Ibid., 1941, 70: 112.—**Willrich, G.** Die Deutsch-Türkische Poliklinik der Mittelmeerdivision in Emirghian bei Stenia am Bosporus. Deut. med. Wschr., 1935, 61: 1050–3.

—— United States.

See also under **Wars and campaigns;** also **World War I; World War II.**

American (An) hospital unit in Britain. Nurs. Times, Lond., 1941, 37: 206.—**Evolution** of the military hospital. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 5: 13–26.—**Hess, H. L., Dively, R., & Pipkin, G.** American hospital work in Britain. Week. Bull. Jackson Co. M. Soc., 1941–42, 36: 344.—**Hospital** at Herrington Lake, Danville, Kentucky. Army M. Bull., 1941, No. 58, 150.—**Joyce, W. T.** U. S. Army builds modern hospital in Canadian city. Canad. Hosp., 1943, 20: No. 11, 20–2.—**Lett, H., & Morris-Jones, J. H.** Surgical experiences at the Anglo-American Hospital, Wimereux, France. Brit. M. J., 1915, 1: 285–7.—**McGibony, J. T.** Army

hospitals receive honorable discharge. Mil. Surgeon, 1948, **103**: 37–43.—**Magee, J. C.** Army hospitals on distant shores serving American soldiers. Hosp. Management, 1943, **55**: 15–7.—**Making** a new home; American hospital in England. Nurs. Times, Lond., 1943, **39**: 702.—**Military** hospitals in the United States; types of hospitals. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5**: 193–481.—**Schreiber, W.** Aus amerikanischen Lazaretten. Aerztl. Mschr., 1927, 225–34.—**Stationary** (the) or fixed hospitals, dispensaries, and depots of the Medical Department, U. S. Army, April 1, 1941; general hospitals. Army M. Bull., 1941, **56**: 93–104.—**Wilson, P. D.** A letter. Med. J. Australia, 1942, **1**: 60. —— American hospital in Britain. Harvard M. Alumni Bull., 1943–44, **18**: 7–13.—**Wooders, M. A., & Curtis, D. A.** Army hospitals and hospital trains. In their Emergency Care, Phila., 1942, 430–7.

—— United States: Air Force.

Additional hospital facilities at Air Corps Station. J. Am. M. Ass., 1941, **117**: 45.

—— United States: Coast Guard.

Johnson, H. F., Tinkham, R. R., & Hopkins, A. The Coast Guard combines school and hospital. Mod. Hosp., 1944, **62**: No. 5, 64.

—— United States: Convalescent hospitals.

United States. Army. Convalescent Hospital [Camp Upton, N. Y.] Thanksgiving Day, 1945 [14]p. 27cm. Riverhead, 1945.

—— Christmas, 1945 [19]p. 27cm. Camp Upton, 1945.

—— A history and résumé of activities, September 26, 1944 to June 30, 1946. 2v. in 1. 39p.; 64p. 27½cm. N. Y., 1946.

Convalescent hospitals. Bull. U. S. Army M. Dep., 1944, No. 81, 19.—**Convalescent hospitals** [tab.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946. **2**: Chap. 9, 60–2.—**Cox, H. L.** Convalescent hospital, Sun Valley, Idaho. Hosp. Corps Q., 1944, **17**: 33–7.—**Doty, F., & Heckendorn, J. L.** Naval Convalescent Hospital, Harriman, New York. Ibid., No. 5, 41–4.—**Heelan, W. X.** U. S. Naval Convalescent Hospital, Glenwood Springs, Colorado. Ibid., No. 2, 9–17.—**James, R. W.** Naval Convalescent Hospital, Yosemite. Ibid., No. 3, 26–31.

—— United States: Dental hospitals.

Johnson, J. B., jr, & Wilson, G. H. The dental ambulance, 1917–1919. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 486. —— Peacetime status of the dental ambulance, 1919–1941. Ibid., 487.

—— United States: Evacuation hospitals.

History (The) of Evacuation Hospital Number Six, United States Army, 1917–1919. 39p. 8° Poughkeepsie, 1931.

Pottle, F. A. Stretchers; the story of a hospital unit on the western front. 366p. 8° New Haven, 1929.

Shacklette, H. T. History of the 12th Evacuation Hospital, 25 August 1942 to 25 August 1945. 130p. 21cm. Nürnb., 1945[?]

Shipley, A. M., & Considine, A. T. The officers and nurses of Evacuation Eight; with a complete roster of all those who served with the unit. 190p. 8° New Haven. 1929.

Forms Suppl. to Stretcher (Pottle, F. A.) New Haven, 1929.

United States. Department of the Army. Evacuation Hospital No. 77. Medicine under canvas; a war journal of the 77th Evacuation Hospital. 196p. 4° Kansas City, 1949.

Baylor (The) 56th Evacuation Hospital. Dallas M. J., 1942, **28**: 153.—**Beardsley, J. M.** Overseas experiences with the surgical service of the 48th Evacuation Hospital. Rhode Island M. J., 1946, **29**: 744–6.—**Berry, M. C.** A tropical evacuation hospital. Mil. Surgeon, 1943, **93**: 14–21.—**Cutts, F. B.** Overseas experiences with the medical service of the 48th Evacuation Hospital. Rhode Island M. J., 1946, **29**: 740–3.—**Darnall, J. R.** War service with an evacuation hospital. Mil. Surgeon, 1937, **80**: 261–76.—**Hultkrans, R. E.** Experiences in an evacuation hospital in ETO. Minnesota M., 1946, **29**: 159.—**Kantor, J. L.** The medical service at the First Army maneuvers of 1940 with special reference to the work of the First Evacuation Hospital. Mil. Surgeon, 1941, **88**: 459–73.—**Leet, W. L.** Progress notes of the 48th Evacuation Hospital (the Rhode Island Hospital unit) Rhode Island M. J., 1943, **26**: 22–6.—**Meads, G. B.** An evacuation hospital in France. Bull. Acad. M. Cleveland, 1944, **29**: No. 11, 10.—**Monteiro, A.** La grandeza de la cirugía norteamericana; xvi Hospital americano de evacuación. Día méd., B. Air., 1945, **17**: 252–6.—**Scott, R.** Eleventh Evacuation Hospital in Sicily. Am. J. Nurs., 1943, **43**: 925.—**Sixteenth** Evacuation [Hospital] the Story of an Army medical unit. Reese Rec., 1947, 13–37.

—— United States: Field hospitals.

Kress, G. H. United States Army field hospital in San Francisco, in 1906. California West. M., 1940, **53**: 215–7.—**Red Cross** Harvard Field Hospital transferred to the American Army. J. Am. M. Ass., 1942, **120**: 710.—**Wagner, J.** Some interesting cases in Camp Hospital, No. 59, A. E. F. Am. J. Surg., 1919, **33**: 108–11.—**Williams, A. W.** Report of the surgical service at Field Hospital Company No. 3, Texas City, Texas. Mil. Surgeon, 1914, **35**: 535–41.

—— United States: General hospitals (Communication Zone)

Cooper, A. T. Army general hospital No. 36 14 l. 27cm. Detr., after 1919.

History (The) of U. S. Army Base Hospital No. 6, and its part in the American Expeditionary Forces, 1917–1918. 263p. 8° Bost., 1924.

Lest we forget; Base Hospital, Camp Lee, Virginia. 245p. 4° Wash.[?] 1919.

Matheson, M. 48; an informal & mostly pictorial history of U. S. Base hospital 48, 1918–1919. 130p. 31cm. N. Y., 1939.

May, H. F. A history of U. S. Army Base Hospital 23, 1917–1919. 31p. 28cm. Buffalo, 1919.

Mount (The) Sinai Unit in the World War, with scenes at Base Hospital No. 3, A. E. F., at Vauclaire, Dordogne, France, 1919. 48p. 8° N. Y., 1919.

Official History, U. S. A. Base Hospital No. 31 of Youngstown, Ohio and Hospital Unit G of Syracuse University. 258p. 8° Syracuse, 1919.

Peto, M. Women were not expected; an informal story of the nurses of 2nd General Hospital in the ETO. 161p. 23½cm. W. Englewood, 1947.

Swan, J. M., & Heath, M. A history of United States Army Base Hospital No. 19, American Expeditionary Forces, Vichy, France, A. P. O. 781. 109p. 22½cm. N. Y., 1922.

United States. Army. Base Hospital No. 46. On active service with Base Hospital No. 46, March 20, 1918, to May 25, 1919. 191p. 8° n. p., after 1919.

United States. Army. Base Hospital No. 53. History of Base Hospital No. 53, Advance Section, Service of Supply. 63p. 8° Langres, France, 1919.

United States. Army. Base Hospital No. 57. Historical report. 19p. 8° Par., after 1918.

United States. Army. Base Hospital No. 59. History of Base Hospital No. 59. 16 l. 4° n. p., after 1918.

United States. Army. Base Hospital No. 85. History of Base Hospital No. 85. 48 l. 4° n. p., after 1918.

United States. Army. Base Hospital No. 107. History of U. S. Army Base Hospital 107. 24p. 12° Nevers, 1919.

United States. Army. Base Hospital No. 115. A history of U. S. A. Base Hospital No. 115, A. P. O. 781, A. E. F. 39p. 8° Vichy, after 1918.

United States. Army. Base Hospital No. 136. History of Base Hospital No. 136; from September 10, 1918 to May 1, 1919. 36 l. 4° n. p., 1919.

United States. Army. General Hospital No. 33. APO 424. 144p. 35cm. Fir., 1945 [?]

United States. Army. General Hospital, No. 36. The Thirty-Six review [68]p. 4° Detroit, 1918.

United States. Army. General Hospital, No. 54. 54th in review; a resume of the activities of the 54th General Hospital, 1943–45 [108]p. 26cm. Tokyo. 1945.

Army takes over William Wirt Winchester Hospital, New Haven, Conn. J. Am. M. Ass., 1943, **121**: 600.—**Barker, C.** United States Army General Hospital 39. Connecticut M. J., 1942, **6**: 639.—**Base** Hospital No. 32 inducted into the Army. Month. Bull. Bd Health Indiana, 1942, **45**: 135.—**Base** hospitals, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 629–748.—**Base** hospitals at cantonments and camps. Ibid., 1923, **5**: 193–271.—**Brazeau, G. N.** Reminiscences from Base Hospital No. 1, New York City. Wisconsin M. J., 1920–21, **19**: 65–7.—**Brenizer, A. G., & Hanes, F. M.** The organization and service of Hospital Unit 0 and Base Hospital No. 65. South. M. & S., 1941, **103**: 104; 122.—**Bronson, L., & Hamann, C.** The Fourth moves. Clin. Bull., Clevel., 1944, **8**: 94–7.—**Cutler, E. C.** Fifth General Hospital (Harvard University Unit) U. S. Army. Harvard Dent. Alumni Bull., 1941–42, **2**: 47–9. ——— Base Hospital No. 5. Harvard M. Alumni Bull., 1941–42, **16**: 10–3. ——— The Fifth General Hospital, Harvard University Unit, U. S. Army. Science, 1942, **95**: 163.—**Da Costa, J. C.** Address presenting memorial tablet to Jefferson Medical College, October 7, 1920. In his Trials & Triumphs, Phila., 1944, 326–36.—**Davis, L., & Washburn, F. A.** Presentation of national colors to General Hospital No. 6, United States Army. by Veteran Base Hospital No. 6 at the Massachusetts General Hospital April 27, 1942. Harvard Dent. Alumni Bull., 1941–42, **2**: 69–71.—**Departure** of General Hospital No. 21 and Naval Medical Specialists Unit No. 72. Washington Univ. M. Alumni Q., 1941–42, **5**: 46–9.—**Diehl, H. S.** How U. S. General Hospital No. 26 came to be organized at Minnesota. Trends M. Pract. & Res., 1941–42, **3**: No. 2, 4–6.—**Fitch, W. K.** U. S. general hospitals in France. Pharm. J., Lond., 1944, **99**: 257.—**Fourth** ferrying group base hospital. J. Am. M. Ass., 1943, **123**: 643.—**Fowler, R. H.** A general survey of the work of the surgical service United States Army Base Hospital 61 A. E. F. Long Island M. J., 1920, **14**: 17–34.—**Fox, J. C., jr.** The 39th General Hospital. Connecticut M. J., 1945, **9**: 918–21.—**General** Hospital unit in the South Pacific [group photographs] [University of Colorado unit] Rocky Mountain M. J., 1944, **41**: 180–7.—**Goldner, M. Z.** General Hospital 26; a chronicle. Bull. Hennepin Co. M. Soc., 1943, **14**: 21–3.—**Greatness** of American hospitals reflected in skilled Army units; 17th General Hospital Unit staffed by Harper Hospital, Detroit, personnel. Hosp. Management, 1943, **56**: 23.—**Hamm, F. C.** The Army general hospital. Tr. Am. Ass. Genitourin. Surgeons (1943) 1944, **36**: 107–10. Also J. Urol., Balt., 1944, **51**: 329–31.—**Hayman, J. M.**, jr. Fourth General Hospital. Bull. Acad. M. Cleveland, 1941, **26**: No. 5, 9.—**Indiana** University hospital unit commended. J. Am. M. Ass., 1944, **124**: 580.—**Jones, H. A.** The 18th General Hospital. Johns Hopkins Nurs. Alumnae Mag., 1944, **43**: 36–41.—**Keller, W. L.** The more important surgical cases treated at Base Hospital No. 2, Fort Bliss, Texas, between March, 1916, and March, 1917. Mil. Surgeon, 1917, **41**: 325–33.—**Lawler** (Miss) visits General Hospitals Nos. 18 and 118. Johns Hopkins Nurs. Alumnae Mag., 1942, **41**: 111.—**Letter;** group portrait (Military Hospital, United States—Third General) J. Mount Sinai Hosp. N. York, 1944–45, **11**: Suppl., 6–10.—**Lounsbury, B. F.** Historical notes on the Twelfth General Hospital (U. S.) February 15, 1942 to September 15, 1945; the Twelfth General Hospital in Ain-el-Turck and Naples. Q. Bull. Northwest. Univ. M. School, 1947, **21**: 65–75.—**Loyola** hospital unit on active duty. J. Am. M. Ass., 1943, **121**: 600.—**McLaughlin, E.** Behind the scenes with General Hospital No. 18. Johns Hopkins Nurs. Alumnae Mag., 1943, **42**: 13–7. ——— & **Weber, H. J.** From General Hospitals 18 and 118. Ibid., 94–9.—**Members** of the staff of General Hospital No. 32. J. Indiana M. Ass., 1943, **36**: opp. p. 222.—**Myers, H. J.** The 96th General Hospital, the story of an Army neuropsychiatric hospital. Dis. Nerv. Syst., 1946, **7**: 310–3.—**Newell, J. L.** The Harvard Hospital of the Southwest Pacific. Harvard M. Alumni Bull., 1943–44, **18**: 74–6.—(**No. 2**) The General hospital, converted; General Hospital No. 2, Fort McHenry, Baltimore, Maryland. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5**: 323–62.—(**No. 3**) The General hospital, new; General Hospital, No. 3, Colonia, New Jersey. Ibid., 375–87.—(**No. 4**) Fourth General Hospital, United States Army. Clin. Bull., Clevel., 1942, **6**: 12; 73.—(**No. 6**) Sixth General Hospital. Harvard Dent. Alumni Bull., 1941–42, **2**: 67–9. Also Harvard M. Alumni Bull., 1941–42, **16**: 75–8.—(**No. 20**) Twentieth General Hospital Unit wins high praise (from Admiral Lord Mountbatten) J. Am. M. Ass., 1944, **126**: 575. Also Photographs (130) (See Collect. of photographs in Library)— (**No. 29**) The 29th General Hospital, Medical Corps, Army of the United States. Rocky Mountain M. J., 1942, **39**: 689–93.—(**No. 97**) Our Army hospitals; the 97th General Hospital, Frankfurt-am-Main. Med. Bull. U. S. Chief Surg., Europ. Theater, 1946, **1**: No. 1, 30–2.—(**No. 204**) 204th General Hospital on Guam. Mil. Surgeon, 1945, **97**: 441–9.—(**No. 297**) 297th General Hospital. J. Am. M. Ass., 1944, **124**: 165.—(**No. 300**) 300th General Hospital; staff meeting. Mil. Surgeon, 1942, **91**: 705.—**O'Sheel, P.** First base hospitals now in war zones. Med. Econom., 1941–42, **19**: No. 6, 51–5.—**Overseas** base hospitals; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 493–524.—**Paine, J. R.** Experiences with chest wounds as seen at the 26th U. S. General Hospital. Staff Meet. Bull. Hosp. Univ. Minnesota, 1945–46, **17**: 157–62. ——— & **Green, R. A.** News of the University base hospitals. Bull. Minnesota M. Found., 1944–45, **5**: 20–33.—**Presbyterian** Hospital Unit activated. Illinois M. J., 1943, **83**: 299.—**Rokke, N. H.** Hail to the Thirty-second General Hospital. J. Indiana M. Ass., 1945, **38**: 466–71.—**Salmon, P.** The 79th General Hospital; a narrative. Brooklyn Hosp. J., 1946, **4**: 43–8.—**Soper, L. D.** Our Army hospitals; 98th General Hospital, Munich, Germany. Med. Bull. U. S. Chief Surg., Europ. Theater, 1946, **1**: No. 2, 27–32.—**Stokes, A. C.** Review of the operative surgery done in Base Hospital No. 49. Nebraska M. J., 1919, **4**: 227–30.—**Tents** house huge hospital. Bull. Minnesota M. Found., 1943–44, **4**: 24.—**Tilghman, R. C.** An odyssey of the Army's 18th General Hospital (affiliated Johns Hopkins Hospital unit); experiences in the Fiji Islands; in the India-Burma Theatre. Johns Hopkins Alumni Mag., 1947–48, **36**: 7; 45; 77.—**Two** [U. S. Army] general hospitals to be constructed. Mil. Surgeon, 1941, **88**: 73.—**United** States Army General Hospital (Mound City, Ill.) [Drawing by a patient] See collection of pictures in Library.—**United** States Army General Hospitals 18 and 118 organized at the Johns Hopkins Hospital. Bull. Johns Hopkins Hosp., 1942, **71**: 112–7. Also Hospitals, 1942, **16**: No. 8, 27.—**United** States Army Hospitals 42 and 142; group portrait. Bull. School M. Univ. Maryland, 1942–43, **27**: 58.—**United** States General Hospital. Harvard M. Alumni Bull., 1943–44, **18**: 3–5.—**Veeder, B. S.** Base Hospital No. 21, 1916–19. Washington Univ. M. Alumni Q., 1941, **4**: 44–7.—**Weir, D. R., & Bronson, L. H.**, jr. The history of the 4th General Hospital. Clin. Bull., Clevel., 1946, **10**: 17–27.—**Wesselhoeft, W. F.** Base Hospital No 44. J. Am. Inst. Homoeop., 1919–20. **12**: 1093–6.—**White, S. M.** Highlights of old Base Hospital No. 26. Trends M. Pract. & Res., 1941–42, **3**: No. 2, 7.—**Yale** (The) Unit, U. S. Military Hospital. Science, 1942, **96**: 79.

—— United States: General hospitals (Zone of Interior)

Hammond General Hospital [Point Lookout, Md.] Photostat copy of Hammond Gazette for March 31, 1863, and photostat copy of plan of the fort. 3 sheets [n. p., n. d.]

Honolulu, Hawaii. Tripler General Hospital. Annual report. Honolulu, 1934; 1935.

Lawson News. Atlanta, v.**4**, No. 1, 1943–

United States. Army. Bushnell General Hospital. Thanksgiving at Bushnell General Hospital [20]p. 32½cm. Brigham City, 1944.

United States. Army. Crile General Hospital. Directory of officers, 1 February 1946. 7p. 27cm. Clevel., 1946.

—— Hospital regulations. v. p. [416]p. 27cm. Clevel., 1946.

United States Army. Letterman General Hospital. Annual report, 1906. 86 l. 29cm. S. Franc., 1906.

United States. Army. McCloskey General Hospital. McCloskey General Hospital; happiness, kindness and efficiency. 24p. 27cm. Temple, 1944.

United States. Army. Madigan General Hospital. Clinical-pathological conference. Tacoma, Wash., Oct. 10, 1949–

United States. Army. William Beaumont General Hospital [El Paso, Texas] Monthly medical meeting [Proceedings] Fort Bliss, Sept., 1949–

United States. War Department. Army Regulations No. 40–605; Medical Department: The Army and Navy General Hospital. 2p. 8° Wash., 1932. Also another edition, 5p. 8° Wash., 1934.

—— No. 40–610: The Fitzsimons General Hospital. 2p. 8° Wash., 1935.

Additional named general hospitals, U. S. Army. Army M. Bull., 1942, No. 64, 124; 1943, No. 65, 157; No. 68, 212.—**Army** takes over Mason General Hospital; Brentwood, L. I. J. Am. M. Ass., 1944, **125**: 916.—**Ashburn** General Hospital. Ibid., 1943, **123**: 39. Also Mil. Surgeon, 1945, **93**: 379.—**Ashford** General Hospital dedicated. West Virginia M. J., 1943, **39**: 393.—**Ashford** General Hospital at White Sulphur Springs. J. Am. M. Ass., 1943, **121**: 599.—**Baxter** (The) General Hospital. Ibid., **122**: 682.—**Borden** (The) General Hospital.

Ibid., 121: 1290.—**Brooke** (The) General Hospital, Fort Sam Houston, Texas. Ibid., 122: 183.—**Bruns** (The) General Hospital. Ibid., 123: 642.—**Burton, H. H.** Address at dedication ceremonies of Fletcher General Hospital, Cambridge, Ohio. Congressional Record, 1943, 89: A2942.—**Bushnell** General Hospital. J. Am. M. Ass., 1942, 120: 1402. Also Army & Navy Register, 1943, 64: No. 3334, 23.—**Byck, L.** Halloran General Hospital. Army Life, 1943, 25: No. 10, 4.—**Clarke, T. W.** The Rhoads Hospital opens. Bull. Utica Acad. M., 1943, 8: No. 7, 9–11.—**Coon, H. M.** Wisconsin General Hospital Unit. Wisconsin M. J., 1943, 42: Suppl., A–D, portr.—**Dedication** of the Cushing General Hospital, Framingham, Massachusetts, 24 January 1944. J. Neurosurg., 1944, 1: 83–93.—**Dedication** of the Percy L. Jones General Hospital. J. Am. M. Ass., 1943, 121: 845.—**Dedication** of Woodrow Wilson General Hospital. Ibid., 123: 154.—**Deshon** (The) General Hospital, Butler, Pennsylvania. Ibid., 122: 43. Also Mil. Surgeon, 1943, 92: 562.—**Finney** (The) General Hospital. J. Am. M. Ass., 1943, 122: 953.—**Fort** Bayard, N. M., General Hospital. Photographs [Portable cottage; west porch, enlisted men's infirmary; interior tent ward; hospital corps barracks; receiving vault; new laboratory; crematory; guard house; new officer's infirmary; Q. M. storeroom; addition to enlisted men's infirmary; recreation hall, mess hall to left; enlisted men's infirmary; pumping plant, cold storage room and ice plant; reservoir; tent ward; solarium; east ward, enlisted men's infirmary; officer's line; enlisted men's wards; medical storehouse] See collect. of photogr. in library.—**Foster** (The) General Hospital. J. Am. M. Ass., 1943, 123: 974.—**Fulton, J. F.** The Harvey Cushing General Hospital. Harvard M Alumni Bull., 1943–44, 18: 82–4.—**Gardiner** General Hospital, Chicago. J. Am. M. Ass., 1944, 125: 793.—**Greenbrier** Hotel converted into Army hospital. Ibid., 1942, 120: 1045.—**Halloran** (The) General Hospital. Ibid., 1943, 122: 122.—**Hammond** (The) General Hospital. Ibid., 121: 1291.—**McCloskey** (The) General Hospital. Ibid., 437.—**McGuire** General Hospital. Virginia M. Month., 1944, 71: 334.—**Mayo** General Hospital, Galesburg, Ill. J. Am. M. Ass., 1944, 125: 793.—**Menninger, K.** Winter General Hospital. Bull. Menninger Clin., 1946, 10: 101–3.—**Metcalfe, R. F.** Tripler General Hospital. Mil. Surgeon, 1931, 68: 374–7.—**New** general hospital in the Northwest, Vancouver Barracks, Wash. J. Am. M. Ass., 1940, 115: 2186.—**Newton** D. Baker General Hospital. Ibid., 1944, 124: 1065; 125: 637.—**Newton** D. Baker General Hospital at Martinsburg nearing completion. West Virginia M. J., 1944, 40: 124.—**Oliver** (The) General Hospital. J. Am. M. Ass., 1943, 122: 512.—**Percy** Jones General Hospital, Battle Creek, Mich. Ibid., 1942, 120: 1220.—**R., B. M.** Fitzsimons; the story of a hospital. Mil. Surgeon, 1929, 65: 442–6.—**Reynolds, R.** Kennedy General Hospital. Memphis M. J., 1943, 18: 114. ——— Address before Memphis and Shelby County Medical Society, January 4, 1944; history, organization, and professional work of Kennedy General Hospital. Ibid., 1944, 19: 34–8.—**Schick** (The) General Hospital. J. Am. M. Ass., 1943, 123: 566.—**Story** (The) of Fitzsimons General Hospital. Army & Navy Courier, 1943, 19: Sept., No., 5.—**Three** thousand-bed Halloran General Hospital heals the wounds of war; tremendous scope of New York institution matched by skill of its operating staff. Hosp. Management, 1944, 57: No. 4, 29–32.—**U. S. A.** General Hospital, Patterson Park, Baltimore, Maryland; lithograph by Edward Sachse & Co., 1863. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 248.—**Valley** (The) Forge General Hospital. J. Am. M. Ass., 1943, 121: 1224.—**Weinshel, L. R.** The Finney General Hospital. Milwaukee M. Times, 1944, 17: 13–20.—**William** (The) Beaumont General Hospital. J. Am. M. Ass., 1944, 124: 42.—**Winter** (The) General Hospital, Topeka, Kan. Ibid., 1943, 122: 878.

—— United States: Naval hospitals.
See also **Medical center.**

Holcomb, R. C. A century with Norfolk Naval Hospital, 1830–1930. 543p. 8° Portsmouth, 1930.

United States. Congress. 18. Congr., 1. sess. [65] Apr. 15, 1824. Documents submitted by the Chairman of the Committee on Naval Affairs in relation to the bill in addition to an act establishing navy hospitals. 6p. 8° Wash., 1824.

Biello, J. A. U. S. Naval Hospital, Newport, R. I., historical sketch. Rhode Island M. J., 1941, 24: 98.—**Continental** Naval hospitals; V-J Day [tab.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 9, 64.—**Crain, K. C.** Uncle Sam's smartly run hospitals keep Navy fit to fight. Hosp. Management, 1942, 53: No. 3, 13–5.—**Dowling, G. B., & Brantley, J. A.** A tabulation of the pathology in the United States Naval Hospital, San Diego, for the year ending June 1, 1941. U. S. Nav. M. Bull., 1942, 40: 389–93.—**First** (The) Naval hospital unit. N. York M. J., 1917, 106: 702–4.—**Fleet** Hospital No. 11o commissioned. J. Am. M. Ass., 1944, 126: 1157.—**Fleet,** mobile, base, and special augmented hospitals in the Pacific. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 14, 36–65.—**Gardner, W. J.** U. S. Naval Mobile Hospital No. 4. Bull. Acad. M. Cleveland, 1943, 28: No. 4, 8–10.—**Garvin, N. R.** Naval base hospital. Hosp. Corps Q., 1944, 17: No. 4. 34.—**Harper, J.** The United States Naval Hospital, Bethesda, Md. U. S. Nav. M. Bull., 1942, 40: 256–60, 2 pl.—**Johnson, L. W.** They told me about their hospitals. Ibid., 1940, 38: 151–63. ——— United States Naval Mobile Base Hospital No. 1. Ibid., 1941, 39: 479–92, 3pl.—**McCormick, A. M. D.** The Medical Department at sea in its parallelism to the construction and administration of naval hospitals as seen by a fleet surgeon. Mil. Surgeon, 1911, 28: 383–9.—**Magath, T. B.** Mobile Base Hospital No. 1; looking in from the outside. U. S. Nav. M. Bull., 1941, 39: 492–8.—**Meganck, W. M.** A history; United States Naval Hospital, Norman, Oklahoma. Hosp. Gauz., Norman, 1946, 3: No. 18, 4.—**Michael, W. H.** NH56, newest U. S. Naval hospital, born in peace to serve in war. Hosp. Management, 1943, 55: No. 4, 20.—**Muller, F. W.** The genesis and development of U. S. Naval Base Hospital —. U. S. Nav. M. Bull., 1943, 41: 1515–24.—**Naval** Hospitals. In: Manual M. Dep. U. S. Navy, Wash., 1942, 193–222.—**Navy** hospitals. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 8, 1–132.—**New** Naval hospital at Philadelphia. J. Am. M. Ass., 1935, 104: 2106.—**New** navy hospitals. Diplomate, 1941, 13: 343.—**New** Navy hospitals and dispensaries. J. Am. M. Ass., 1941, 117: 1543.—**Norfolk** Hospital; Virginia. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 5, 4.—**Overstreet, S. A., & Yeatts, H. B.** Experience of the medical division of U. S. Naval Base Hospital No. — for its 1st year of operation. Mil. Surgeon, 1944, 95: 441–6.—**Pearl** Harbor Hospital. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 3, 8.—**Pensacola** Hospital. Ibid., 5.—**Philadelphia** (Pennsylvania) Hospital. Ibid., 7.—**Porter, J. E.** Foreword to symposium on first year of activities at U. S. Naval Base Hospital —. U. S. Nav. M. Bull., 1943, 41: 1513.—**Presidential** unit citation; U. S. Naval Hospital, Pearl Harbor, T. H. Hosp. Corps Q., 1943, 16: No. 3, 259–62.—**San Diego,** California; hospital. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 3, 3.—**Schoolfield, J. N.** United States Naval Hospital. In: Rep. Portsmouth Relief Ass., Richm. (1855) 1856, 156–62.—**Schoonover, W. D.** United States Naval Mobile Base Hospital No. 1 from the view-point of a civil engineer. U. S. Nav. M. Bull., 1941, 39: 504–6.—**Towse, M. D.** Naval hospital in San Diego. Am. J. Nurs., 1943, 43: 268.—**U. S.** Naval hospitals. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 3, 2–37.—**U. S.** Naval hospitals and dispensaries. Ibid., 1–86.

—— United States: Special hospitals.

Continental Naval hospitals, V-J Day; special hospitals, arranged alphabetically. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 9, 70.—**Greenwood, A.** Special hospital for head injuries, A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 724.—**Ingersoll, J. M.** The U. S. A. Hospital for Head Surgery. Tr. Am. Acad. Ophth. Otolar., 1919, 24: 19–25.—**Linberg, B. E.** The experience of an Army Hospital for chest wounds. Bull. War M., Lond., 1941–42, 2: 455–7 (Abstr.)—**Organizational** charts, special hospitals. In: U. S. Nav. M. Dep. at War Admin. Hist.. Wash., 1946, 2: Chap. 9, 52.—**Special** hospitals. In: Manual M. Dep. U. S. Navy, Wash., 1942, 223–36.

—— United States: Station hospitals (Communication zone)

British Guiana, S. A. In: Prev. Med. in World War II, Wash., 1948, 7: 151–4.—**Post** hospitals. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 5: 388–97.—**Station** Hospital (110th) Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 6, 35–8.—**Station** Hospital (115th) Ibid., 3: 27.—**Station** Hospital (279th) Berlin. Ibid., 2: No. 3, 41–4.—**Station** Hospital (317th) Wiesbaden. Ibid., 1946, 1: No. 4, 37–41.—**Station** Hospital (385th) Nürnberg, Germany. Ibid., No. 5, 34–8.—**Station** Hospital (387th) Ibid., 1947, 2: No. 5, 25–8.—**Station** Hospital (388th) Ibid., No. 4, 37–40.—**Trinidad;** 359th Station Hospital. In: Prev. Med. in World War II, Wash., 1948, 7: 135–50, 4 tab.—**Whitehurst, E. R.** 130th Station Hospital, Heidelberg. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, 2: No. 2, 31–5.

—— United States: Station hospitals (Zone of interior)

United States. Army. Fort Benjamin Harrison, Indiana. Station Hospital. Report. Fort Benjamin Harrison, 1934–

United States. Army. Fort Brady, Michigan. Station Hospital [Correspondence, January 2, 1895, to June 30, 1896] MS. fol [1895–96]

Ms. copies of letters, entered on blank pages of leather bound ledger. narrow fol.

Pulse (The) 2v. 42cm. Fort Sam Houston, 1946–47.

For continuation see Pulse of Ft. Sam Houston.

PULSE (THE) OF FT. SAM HOUSTON. v.2, No. 5–47. 25nos. 42cm. Fort Sam Houston, 1948.

Continuation of Pulse, v.1–2, 1946–47. Incomplete.

Army hospital at Spadra, near Pomona, Calif. California West. M., 1943, **58:** 372.—**Bowers, W. F.** Observations on the first 6 months of the general surgical section of the 1500 bed cantonment type station hospital at Fort Leonard Wood, Missouri. Mil. Surgeon, 1942, **91:** 170–6.—**Bowlby, A. A.** The career and work of the Portland Hospital. In: A Civilian War Hosp. (Bowlby, A. A.) N. Y., 1901, 21–42.—**Clay, H. H.** Camp Croft Hospital celebrates its 2nd anniversary; skilled personnel, complete equipment provide superior care of infantrymen. Hosp. Management, 1943, **55:** No. 3, 20.—**Edmonton** Station Hospital. In: Prev. Med. in World War II, Wash., 1948, **8:** 26–9.—**Fort Benning, Ga.** Station Hospital Staff; 1930. For Group photograph see Collect. in Library.—**Fort** St. John sector. In: Prev. Med. In World War II, Wash., 1948, **8:** 19–23.—**Fort** Sam Houston, San Antonio, Texas. Photographs [Post Hospital, East end and rear, showing outbuildings; Post Hospital, front; Post Hospital, west end; Post Hospital, steward's quarters; view of Post Hospital, with south and east elevation of new surgery and laboratory; interior of laboratory, showing new chemical table and case for cultures, tubes, etc.; interior of laboratory, showing new case for cultures, tubes etc., also sink; interior of laboratory, showing new microscope table; view of west ward, recently floored and wainscoted; Post Hospital, erected in 1892] See Collect. of photogr. in Library.—**Galvin, J.** Station Hospital Wiesbaden. Med. Bull. Europ. Command, 1949, **6:** No. 7, 50–5.—**Hospital** at Fort Howard, now Green Bay, Wisconsin, built, 1816. For photograph see Collect. in Library.—**Lantz, E. E.** Work of the Camp Meade Base Hospital during the war. South. Hosp. Rec., Atlanta, 1919, **8:** 161.—**Military** medicine in New York State Army and Navy hospitals; Fort Hamilton, Fort Tilden, and Mitchell Field. N. York State J. M., 1941, **41:** 2011.—**New** military hospital in Santa Barbara. J. Am. M. Ass., 1940, **115:** 2091.—**New** station hospital at Fort Sam Houston. Ibid., 1938, **110:** 1681.—**Post** Hospital at Ft. Lyon, Colo. [Diagram of Hospital and diagram of surroundings] See Collect. of pictures in Library.—**Post** hospital; Fort McDowell, Angel Island, California. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5:** 388–97.—**Station** hospital, Dawson Creek. In: Prev. Med. in World War II, Wash., 1948, **8:** 29.—**Station** hospital, Fort St. John sector. Ibid., 23–5.—**Station-Hospital,** Ft. Stoysenburg. P. I. 1922. [Group photograph of H. W. Jones and others] See Collect. of photogr. in Library.—**Station** hospital, Skagway. In: Prev. Med. in World War II, Wash., 1948, **8:** 30–5.—**Station** Hospital, Whitchorse. Ibid., 16–9.

—— United States: Surgical hospitals.

Morriss, W. H. Mobile Hospital 39; Yale unit of 1917–19. Connecticut M. J., 1942, **6:** 635–9, group portr.—**Pueblo's** Hospital Unit activated. J. Am. M. Ass., 1942, **120:** 1045.

—— United States: Veterans' hospitals.

MCCLELLAN, W. S., DJONG, W. W., & PAUL, B. Survey of patients treated at the United States Veterans Hospital, Saratoga Springs, New York, February 1943 to June 1947. 34 l. 27cm. Saratoga Springs, 1949.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–192: Hospitals equipped and staffed to perform specialized treatment. 21p. 27cm. Wash., 1949.

UNITED STATES. VETERANS' HOSPITAL [MINNEAPOLIS] HOSPITAL REPORT. Minneap. (1946–47) 1947–

Forms Nos. of Surg. Staff Semin. Minneapolis Veterans Hosp.

Bartemeier, L. H. The Veterans Clinic of Detroit. Bull. Menninger Clin., 1946, **10:** 131–6.—**Beardsley, L. G.** Medical work at the Newington Veterans Hospital. Connecticut M. J., 1946, **10:** 391–4.—**Croft, L. E., & Bussey, D. G.** National Soldiers Home Hospital. Med. J. & Rec., 1926, **124:** 112–4.—**Dedication** of the new facility at Fayetteville, N. C. Med. Bull. Veterans Admin., 1940–41, **17:** 322.—**Kahn, S. H.** Hospital of 1,000 beds; Fort Hamilton Veterans' Hospital, New York. Hosp. & Health Management, Lond., 1948, **11:** 343.—**New** (The) facility at West Roxbury, Mass. Med. Bull. Veterans Admin., 1943–44, **20:** 354.—**New** Veterans' Hospital in Illinois. J. Am. M. Ass., 1942, **119:** 821.

—— United States: Veterinary hospitals.

UNITED STATES. WAR DEPARTMENT. Army Regulations No. 40–2065; Medical Department: Veterinary hospitals. 10p. 8° Wash., 1921.

—— No. 40–2070: Veterinary hospital rules. 3p. 8° Wash., 1921.

—— by ages.

Candiotti. Contribution à l'étude historique des services hospitaliers de la marine à l'étranger. Arch. méd. pharm. nav., 1935, **125:** 664–72.—**Christensen, C.** Om den militära sjukvården i antikens Rom. Nord. med. tskr., 1930, **2:** 705–11.—**Simonett, C.** Die römischen Militärspitäler in Vindonissa. Ciba Zschr., Basel, 1936–37, **4:** 1672.

HOSPITAL science.

Five thousand attend Tri-State Assembly; rationing, priorities and personnel shortage are dominant war problems. Hospitals, 1943, **17:** No. 6, 25.—**Green, F. H. K.** German literature on military hospitals. In: Interallied Conf. War Med. (1942–45) 1947, 396–8.—**MacLean, B. C.** Presidential address; American Hospital Association War Conference. Hospitals, 1942, **16:** No. 11, 13–7.—**Schwitalla, A. M.** War-time conference and technical consultation service, 28th annual convention. Hosp. Progr., 1943, **24:** 134–6.

HOSPITAL service.

See also **Burns** Treatment, hospital; **Medical student; Psychological service; Psychology.**

Aleksandrov, A. [Symbiosis] Med. rabot., 1944, **7:** No. 12, 2.—**Bowers, W. F.** Station hospital care of general hospital type cases. Bull. U. S. Army M. Dep., 1949, **9:** 384–6.—**Proposito** (A) da assistencia hospitalar no exercito. Rev. med. mil., Rio, 1938, **27:** 355–9.—**Schildknecht, O.** Ueber die Tätigkeit einer zentralen Krankenabteilung. Schweiz. med. Wschr., 1940, **70:** 1035–8.—**Shankhla, M.** Man management in medical units. J. Ind. Army M. Corps, 1949, **5:** 47–51.—**Sketches** in a military hospital. Canad. Nurse, 1918, **14:** 975–7.—**Slater, G. L.** Army hospitals were ready. Mod. Hosp., 1943, **61:** No. 2, 53–61.—**Spier, J. R.** Work in the base hospitals. Canad. M. Ass., 1916, **6:** 275–82.

—— Blood-transfusion service.

See **Blood transfusion service,** hospital.

—— Climatological and sanatorial service.

See also **Therapeutics,** Balneotherapy.

Maslinkovsky, T. Sanatornaja pomošč v VS SSSR. In: Enciklopedičeskij slovar voen. med., Moskva, 1946–48, **4:** 1508–16.—**Mendelson, A. L.** [Medical aid to sick and wounded soldiers in the sanatoria and health resorts of the Petrograd Provincial Committee of the Union of Cities of All Russia] Vest. Tsarskoselsk. Rafona, 1916, **2:** No. 6, 5; No. 8, 26.

—— Consultant service.

See **Consultant; Medical consultant.**

—— Convalescent service.

See also **Convalescent,** Air Force; **Convalescent company; Rehabilitation; Training.**

Air Surgeon's convalescent program. J. Am. M. Ass., 1944, **125:** 561.—**Altenburg, W. J.** Suggestions for expanding convalescent facilities for service men and women. J. Health Phys. Educ., 1944, **15:** 439, &c.—**Bay, E. B., Howard, J. E., & Andrus, E. C.** Medical problems of convalescence. In: Advance. Mil. Med., Bost., 1948, **1:** 73–89.—**Cottle, G. F.** Hospitalitis. Bumed News Lett., Wash., 1944, **3:** No. 7, 1–6.—**Kennard, W. J.** Experiences in the AAF convalescent program. Rocky Mountain M. J., 1945, **42:** 181; 425.—**Military** convalescent homes. S. Afr. M. J., 1940, **14:** 334.—**Postwar** convalescent program in Army hospitals. SGO Circ., Wash., 1946, No. 30, 1–5.—**Rusk, H. A.** Army Air Corps' new convalescent program. J. Indiana M. Ass., 1945, **36:** 127.

—— Dental and oral service.

See also **Hospital,** Dental clinic.

Bronstein, J. E. [Results of the work of the stomatological clinic at the rear special hospitals] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 255–9.—**Forteza, S.** Un año de labor en la clínica de estomatología de la Z. A. B. An. españ, odontoestomat., 1947, **6:** 920–2.—**Fox, T. P.** Dental service in an Army general hospital. Pennsylvania Dent. J., 1944–45, **12:** 204, &c. Also Mil. Surgeon, 1945, **96:** 328–34.—**Hospitalization,** medical and dental treatment. Month. Health Rep. Mil. Distr. Washington, 1948, **1:** No. 2, 11.—**Kobrin, N.** A visit to the New York Navy Yard Dental Clinic. Dent. Outlook, N. Y., 1943, **30:** 260–4.—**Lukomsky, I. G.** [Scheme for tooth conservative treatment in evacuation hospitals] Stomatologia, Moskva, 1943, 10–21.—**Martin, A. J.** Note sur l'action du stomatologiste dans un H. O. E. Rev. stomat., Par., 1939–40, **41:** 777–81.—**Patterson, L. F., Hartwig, E., & Essig, J. I.** Activities of the Dental Department of U. S. Naval Base Hospital —. U. S. Nav. M. Bull., 1943, **41:** 1649–53.—**Peyraud, A. P.** Dentistry at the Station Hospital Chicago Schools Army Air Forces Training Command. CAL, Chic.,

1943, 6: No. 3, 4–7.—**Snyder, O. P.** General hospital dental service. Mil. Surgeon, 1947, 101: 410–3.—**Tyler, F. A.** Dental ward in a station hospital. Bull. U. S. Army M. Dep., 1943, No. 70, 69.—**Walker, T. J.** Dental service at a camp station hospital. Army Dent. Bull., 1942, 13: 120–6.

—— Dermatological service.

See **Dermatology,** Organization.

—— educational.

United States. Veterans Administration. Technical bulletin TB 10A–133: Medical lecture program at VA hospitals. 2p. 27cm. Wash., 1948.

Erős, J. A gyógyító és kutató orvos feladatai és lehetőségei a honvédség kórházaiban. Honvédorvos, 1950, 2: 469–72.—**Ferenbaugh, T. L., Dreibelbies, W. C., & Kemp, H. A.** The use of a station hospital for military and clinical training of the R. O. T. C. Mil. Surgeon, 1940, 87: 13–22.—**Graduate** training in Army general hospitals. Bull. U. S. Army M. Dep., 1947, 7: 56–63.—**Hospital** internship shifted to 9 months' basis and additional changes relating to housemen agreed upon by directing board and military authorities. Ohio M. J., 1943, 39: 944.—**Internships** in naval hospitals. J. Am. M. Ass., 1941, 116: 1599.—**Internships** and residency-type graduate training in naval hospitals. Bumed News Lett., Wash., 1945, 5: No. 8, 9–11.—**McIntire, R. T.** Internships and residency type training in United States naval hospitals. J. Am. M. Ass., 1945, 128: 264–6.—**Plans** for cooperation between teaching institutions and veterans' hospitals. Ibid., 129: 1100–2.—**Raymond, G. A.** Educational services in a naval hospital. Occup. Ther. Rehabil., 1946, 25: 35–9.—**Training** in hospitals. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 7: 363–92.

—— emergency.

Dutcher, C. H. Emergency Medical Department facilities. Hosp. Corps Q., 1949, 22: No. 2, 42.—**Lethem, W. A.** Organization of the emergency medical services; hospitals. In: War Wounds (Brit. M. J.) Lond., 1939, 235–42.

—— Food supply and diet.

See also **Commissary; Diet.**

Gordon, O. L. Лечебное питание в эвакогоспиталях. 76p. 21½cm. Moskva, 1943.
Forms No. 16, Sborn. instr. metod. mat. evakohosp.

Gortner, R. A., jr, McCay, C. M. [et al.] Nutrition survey of the mess at the Naval Hospital, Chelsea, Massachusetts, 8–17 January 1945. 9p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X–465, U. S. Nav. M. Res. Inst.

Gortner, R. A., jr, Sullivan, J. H. [et al.] A study of the diet of orthopedic patients in a ward at a U. S. naval hospital. 7p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X–465, U. S. Nav. M. Res. Inst.

Kataev, P. S. Об организации рационального и лечебного питания в эвакогоспиталях. 112p. 22cm. Moskva, 1942.
Forms No. 6, Sborn. instr. metod. mat. evakohosp.

Sutherland, H. A., & Stevenson, J. A. F. Comparison of actual and presumed food intake of patients in a military hospital; a preliminary study. 3p. 28cm. Ottawa [?] 1944 [?]
Forms No. C–6060B, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

United States. Veterans Administration. Technical bulletin TB 10A–156: Instructions for preparation of report of hospital dietetic service. 5p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–174: Instructions for preparation of Hospital Monthly Dietetic Report of Quantities and Costs of Foods Issued. 14p. 27cm. Wash., 1949.

United States. War Department. Technical manual No. 8–500: Hospital diets. 309p. 23cm. Wash., 1941. Also another edition, 132p. 26cm. Wash., 1945.

Wood, M. E., Hill, V. R. [et al.] Report of acceptability to patients and cost of hospital diets fortified with protein concentrates and hydrolysates. 30 l. 27cm. Chic., 1947.
Forms Rep. No. 32, Med. Nutrit. Laborat. U. S. Army.

Anderson, E. M. Sixty minutes serves 6,000 at the U. S. Naval Hospital, St. Albans, N. Y. Mod. Hosp., 1944, 63: No. 4, 104–6.—**Askerî** hastaneler ile, hastane gibi kullanilacak revirlerde hastalarin besleme ve bakimlari hakkinda kanun. Askerî sihhiye mecmuasi, 1942, 71: 1–5.—**Basic** elements of menu planning. Hosp. Corps Q., 1944, 17: No. 6, 25–35.—**Bass, E.** Kriegsernährung in den Krankenanstalten. Zschr. ges. Krankenhauswes., 1943, 39: 85.—**Berk, W.** Die Krankenanstalten in der Kriegsernährungswirtschaft. Ibid., 1941, 37: 55–8.—**Bowen, B. B.** Feeding Army patients. Mod. Hosp., 1942, 59: No. 3, 94.—**Browne, E. M.** War pinches British hospital diets, but no patient is denied necessities. Hospitals, 1943, 17: No. 8, 89.—**Characteristics** of the overseas hospital ration. J. Am. Diet. Ass., 1943, 19: 112–5.—**Charge** discrimination against hospitals in food rationing, urge strong representations to Washington to relieve plight of voluntary institutions. Hosp. Management, 1942, 54: No. 6, 18.—**Clausen, N.** Interest in proper nutrition enhanced by demands of global war. Ibid., 1944, 57: No. 5, 72–8.—**Costedoat, A. L. D.** Principes d'organisation d'une cuisine de régime dans les hôpitaux militaires. Arch. méd. pharm. mil., 1930, 93: 479–92.—**Crain, K. C.** Voluntary hospitals should prepare for general food rationing. Hosp. Management, 1943, 55: 13.—**Curtis, M.** Foodstuffs and supplies of all kinds having to do with food service in the hospital. Bull. Am. Coll. Surgeons, 1942, 27: 47.—**Emerson, P. H.** A hospital mess department in Italy. J. Am. Diet. Ass., 1944, 20: 767–9.—**Griffith, W. H.** Hospital rations. In: Prev. Med. in World War II, Wash., 1948, 2: pt 4, 20.—**Haerem, A. T.** The management of special diets in a cantonment hospital. Mil. Surgeon, 1943, 93: 305–8.—**Hospital** mess. Health Bull. [U. S. 2. Army] 1947, Jan., 15–9.—**Hot** cooked hospital food. Bull. U. S. Army M. Dep., 1945, No. 85, 27.—**Howe, P. E.** The overseas hospital ration. Army M. Bull., 1943, No. 68, 199–202. ——— Hospital food service in theaters of operation during the present war. J. Am. Diet. Ass., 1944, 20: 444.—**Kak** sostavljaetsja menju dlja evakohospitalja. Sborn. instr. metod. mat. evakohosp., 1942, No. 6, 27–37.—**Kharkteristika** lečebnykh stolov dlja evakohospitalej i pokazanija k ikh primeneniju. Ibid., 14–25.—**Kharakteristika** stolov lečebnogo pitanija, prinjatykh v evakohospitaljakh, i pokazanija k ikh primeneniju. Ibid., 1943, No. 16, 12–26.—**Larionova, E. F.** Lečebnoe pitanie i vitaminoterapija v evakohospitale i rol dietsestry pri etom. In: Sborn. nauch. rabot N-sky evakohost. (Dikovicky, A. A.) Gorky, 1943, 77–83.—**Lorenz, A. J.** Army hospital diets, past and present. J. Am. Diet. Ass., 1944, 20: 430–3.—**Macfarlane, A. M.** Your war-time program. Mod. Hosp., 1942, 59: 92.—**McGinn, J. P.** Hot foods to the ward. Mil. Surgeon, 1943, 93: 200.—**McHenry, K. A.** Nutrition in the Veterans Administration Facility. J. Am. Diet. Ass., 1942, 18: 152–5.—**McKelvey, M. E.** War-time economy in the kitchen; suggestions to help dietitians faced with the problem of doing more, with less. Mod. Hosp., 1943, 60: 86–8.—**Marshak, M.** Khimićeskij sostav i kalorijnost tak nazyvaemykh razgruzočnykh dnej primenjaemykh v Glavnom voennom hospitale Vooružennykh Sil SSSR. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 507.—**Michie, H. C.** Dietetic management in military hospitals; its perplexities and responsibilities. Mil. Surgeon, 1932, 70: 550–60.—**Naučnoe** obosnovanie dlja primenenija racionalnogo i lečebnogo pitanija v evakohospitaljakh. Sborn. instr. metod. mat. evakohosp., 1942, No. 6, 10–4.—**Nedelnoe** menju na stoly No. 15 i O. Ibid., 97–9.—**Objazannosti** vrača po lečebnomu pitaniju, sestry-dietetički i staršego povara v evakohospitale. Ibid., 68.—**Obščhie** uslovija effektivnosti lečebnogo pitanija. Ibid., 27.—**Organizacija** pitanija ranenykh i bolnykh v evakohospitaljakh. Ibid., 51–7.—**Organizacija** pitanija ranenykh i bolnykh v evakohospitaljakh; dokumentacija. Ibid., 57–61.—**Organizacii** (Ob) pitanija v evakohospitaljakh; prikaz No. 34 po Narkomzdravu SSSR. Ibid., 3–9.—**Osnovnye** principy i metody primenenija lečebnogo pitanija v evakohospitaljakh. Ibid., 1943, No. 16, 7–12.—**Poliachek, J. G., Velikanova, M. M.** [et al.] Opyt lečenija ranenij primeneniem diety s preobladaniem kislykh valentnostej (na osnove hospital'nogo pajka) In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 227–33.—**Pritchett, C. S., & Howe, P. E.** Overseas hospital ration, U. S. Army. J. Am. Diet. Ass., 1943, 19: 111.—**Raspredelenie** bljud i produktov na racionalnyj i lečebnye stoly [tab.] Sborn. instr. metod. mat. evakohosp., 1942, No. 6, opp. p. 68.—**Reglamento** provisional para el régimen y servicios en los hospitales militares y plan de alimentación de los mismos. Rev. españ. med. cir. guerra, 1943, No. 53, Suppl., 69; passim.—**Resolutions** of the wartime conference on the food rationing program. Hosp. Progr., 1943, 24: 207.—**Režim** usilennogo pitanija v razgruzočnye dni. Sborn. instr. metod. mat. evakohosp., 1942, No. 6, 25–7.—**Schöneberg.** Ueber praktische Diätetik und die Einführung von Diätküchen in Heereslazaretten. Veröff. Heer. San., 1936, H. 100, 25–36.—**Simmonds, R.** The hospital dietary in war time. Med. Press & Circ., Lond., 1942, 207: 165–7.—**Skhemy** nedelnogo menju s raskladkami na racionalnyj i lečebnye stoly dlja evakohospitalej. Sborn. instr. metod. mat. evakohosp., 1942, No. 6, 70–97.—**Skvarchevskaia, L. A.** [Diet in evacuation hospitals] Hosp. delo, 1944, No. 4, 36.—**Stevenson, J. A. F., & Bensley, E. H.** New concepts of hospital feeding; hospital nutrition programme of the Canadian Army Overseas. Lancet, Lond., 1947, 1:

568–71.—**Stevenson, J. A. F., Sutherland, H. A.** [et al.] Inadequate protein and caloric intakes of patients in military hospitals; a study of contributory factors. J. Canad. M. Serv., 1944–45, **2**: 575–86. Also Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6131, 1–17.—**Stumpf, G.** Food service problems in an Army hospital, ETO. J. Am. Diet. Ass., 1946, **22**: 206–9.—**Taylor, R. C.** Solving the food shortage problem in a large hospital. Hospitals, 1943, **17**: No. 2, 89.—**Ukazanija** po organizacii sanitarnogo sostojanija piščevykh blokov i obespečenija dobrokačestvennosti pitanija dlja ranenykh i bolnykh. Sborn. instr. metod. mat. evakohosp., 1942, No. 6, 62–8.—**Ukazanija** po racionalnoj i lečebnoj kulinarii. Ibid., 37–51.—**Vladimirov, B. D., Moreinis, I. J., & Sirota, M. L.** [Organization and equipment in school buildings of emergency food supply centers for hospitals] Hig. & zdorov., 1942, **7**: No. 3, 53–8.—**Whittaker, J., & Newman, L.** Survey of hospital diets at two Canadian military hospitals. Proc. Com. Army M. Res. (Canada) 1945, 7. meet., **2**: C–6193.—**Wickliffe, N.** Quality food preparation and service in a large army hospital. J. Am. Diet. Ass., 1945, **21**: 368–72.

—— Health education.

Rabinovich, P. L. [On the sanitary-instructive work in evaco-hospitals] Hosp. delo, 1945, No. 1, 9–12.

—— Isolation.

Bodyrev, T., & Rozanov, P. Izoljator (infekcionnyj) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 866–9.—**Ginsburg, M.** Izoljacionno-propusknoj punkt. Ibid., 869–71.

—— Medical service.

Tooth, H. H., & Calverley, J. E. G. The medical work. p.67–134. 22cm. N. Y., 1901. In: Civilian War Hosp. (Bowlby, A. A.) N. Y., 1901.

Division of Hospitalization, Chief Surgeon's Office; the professional services. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 351–86.—**Mallol de la Riva, F.** El servicio de medicina interna en los hospitales militares. Rev. españ. med. cir. guerra, 1943–44, **6**: 191–4.—**Popov, G. M.** [Projects in the system of medical sanitary service in the field hospitals] Feldsher, Moskva, 1940, No. 2, 60–2.—**Rahm, N.** Trupplä-karen och internistens arbete i frontens sjukvård. In: Handledn. & Försvarsmed., Stockh., 1940, **1**: 27–37.—**Sweeney, J. S.** Gleanings from the medical service of a general hospital. Mil. Surgeon, 1945, **97**: 7–13.

—— neurological.

See **Neurology**, Hospital.

—— Nursing service.

See also **Nursing.**

Rostotsky, I. B. В помощь сестре эвакогоспиталя. 160p. 19½cm. Moskva, 1944.

Folmer, H. De verpleegster in het militaire hospitaal. Mil. geneesk. tschr., 1910, **14**: 175–80.—**Keller, C.** Maintaining standards of nursing service under wartime conditions. Bull. Am. Coll. Surgeons, 1944, **29**: 216–8.—**Macfarland, M. E.** Maintaining standards of nursing service under wartime conditions. Canad. Hosp., 1944, **21**: No. 6, 35, &c.—**Mary Cecilian** (Sister) Hospital nursing problems in wartime. Am. J. Nurs., 1944, **44**: 763.—**Pérez Aranibar, E.** Organización del servicio de enfermeros en los hospitales militares. Rev. san. mil., Lima, 1930, **3**: 48–67.

—— Occupation therapy.

See as main heading.

—— Organization.

Banshchikov, V., Shustov, V., & Rozhdestvensky, V. Organizacija hospitalnogo dela. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 57–80.—**Chamberlain, W. P.** Military hospital organization. Hosp. Progr., 1930, **11**: 457–61.—**Vovsi, M. S.** [Organization and principles of therapeutic aid in rear evacuation hospitals] Klin. med., Moskva, 1942, **20**: No. 8, 3–6.—**Wilkomirska, Z.** Organizacja służby pielęgniarskiej w wojskowych szpitalach w Anglji. Lek. wojsk., 1933, **22**: 592–601.

—— Out-patient service.

United States. Veterans Administration. Technical bulletin TB 10A–25: Responsibility for and jurisdiction over out-patient activities [1]p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–28: Determination of eligibility for medical and dental out-patient treatment [1]p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–43: Out-patient psychological evaluation of patients. 2p. 27cm. Wash., 1947.

Fouche, J. S. Medical examinations in out-patient service. Med. Bull. Veterans Admin., 1939–40, **16**: 163–5.—**Maguire, L. M.** Out-patient treatment. Ibid., 159–62.—**Milchev, A. M.** Dispanserizacija v Obščovojskovata bolnica. Voen. san. delo, Sofia, 1947, **2**: 201–3.—**Spooner, H.** Experiences in an out-patient clinic in a military hospital in England. J. Canad. M. Serv., 1944–45, **2**: 299–308.

—— Personal hygiene.

United States. Veterans Administration. Technical bulletin TB 10A–124: Barber service in VA hospitals and centers. 2p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–125: Personal service for nonambulant patients. 2p. 27cm. Wash., 1948.

—— Pharmacological service.

Instrukcija po organizacii aptek pri evakohospitaljakh Narkomzdrava Sojuza SSR. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 3–10.—**Instrukcija** po vedeniju učeta medikamentov i pročikh materialnykh zapasov v aptekakh bolničnykh učreždenij. Ibid., 10–6.—**Normy** raskhodov važnejšikh medikamentov i perevjazočnogo materiala dlja evakohospitalej Narkomzdrava Sojuza SSSR, utverždennye 3. VII. 1942 g. [tab.] Ibid., 46–8.—**Pravila** No. 1 khranenija i otpuska iz aptek jadovitykh i silnodejstvujušćikh sredstv. Ibid., 25–8.—**Pravila** No. 3 priema, khranenija i otpuska jadovitykh i silnodejstvujušćikh lekarstvennykh preparatov v klinikakh institutov, otdelenijakh i kabinetakh bolnic i drugikh lečebnykh učreždenijakh. Ibid., 28.—**Tablica** protivojadij i posobij pri otravlenijakh [tab.] Ibid., 30–4.

—— Political service.

Belyi, V. L. [Political work in hospital trains] Voen. san. delo, 1942, No. 7, 3–10.—**Ivanov, P. A.** Partijno-političeskaja rabota v Leningradskikh hospitaljakh. In: Voen. med. Leningr. fronte (Russia. Armija. Glavn. voen. san. upravl.) Moskva, 1946, 51–61.—**Németh, E.** Orvosok és politikai tisztek együttmüködésének eredményei a gyengélkedö vizsgálatok tervszerü ellenörzésénél. Honvédorvos, 1950, **3**: 279–82.—**Pártpolitikai** (A) munka a katonai gyógyintézetekben. Ibid., 3–5.—**Rufanov, I. G., & Rostotsky, I. B.** Političeskaja i kulturno-prosvetitelnaja rabota v evakohospitaljakh Narkomzdrava SSSR. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 52.

—— Psychotherapy.

See as main heading.

—— Radiological unit.

See **Radiology.**

—— Receiving ward.

Shpak, V. M. Struktura i organizacija priemno-sortirovočnogo otdelenija specializirovannogo hospitalja frontovogo tyla. Voen. med. J., Moskva, 1947, No. 3, 29–31.

—— recreational.

See also **Recreational service.**

Standlee, M. W. Military patients welcome their rolling library. Mod. Hosp., 1944, **62**: 72.

—— Rehabilitation.

See as main heading.

—— Religious service.

See also **Religious service.**

Holdsworth, W. W. Impressions of a hospital chaplain. Contemp. Rev., Lond., 1916, **109**: 637–42.—**Łada, B.** [Spiritual needs of patients in military hospitals] Lek. wojsk., 1938, **32**: 590–601.

—— Social service.

See also **Social service.**

Burtt, E. J. Red Cross social service in a military hospital. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: 15–21.—**Fernández de Alcalde, A.** Bienfaisance militaire; hôpital militaire. Liber mem. Congr. hist. art de guérir (1920) 1921, 1. Congr., 359–61.—**Konigsberg, R.** The detachment of patients in an Army hospital. Compass, 1943–44, **25**: 7–10.—**Social** service in Army and Naval hospitals. Annual Rep. Am. Nat. Red Cross, 1940–41, 26.

—— Surgical service.

See **Surgical service,** hospital; **Surgical technic,** Hospital.

—— Tactical aspects.

Fedorov, G. P. [The work of the field hospital during offensive operations] Voen. san. delo, 1942, No. 10, 45–52.—**Klenov, E. M.** Hospital dlja legko ranenykh vo vremja nastupatelnykh boev. In: Voen. med. Leningr. fronte (Russia. Armija. Glavn. voen. san. upravl.) Moskva, 1946, 43–7.

—— Veterans' hospital.

United States. Veterans Administration. Technical bulletin TB 10A–55: Hospital visits by children [1] p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–116: Educational therapy for patients in VA hospitals. 8p. 27cm. Wash., 1948.

Cady, L. D. Functions and services of a V. A. hospital in the community. Texas Hosp., 1949–50, **5:** No. 3, 7, &c.—**Hawley, P. R.** Medical service program in the Veterans Administration hospitals. Minnesota M., 1947, **30:** 377–81.—**Medical** care in veteran's hospitals. N. York Med., 1945, **1:** No. 7, 17, &c.—**Mirsky, S.** Outpatient medical care for veterans. Treatm. Serv. Bull., Ottawa, 1948, **3:** No. 2, 5–10.—**Rubin, H.** Care of returning veterans in civilian hospitals. Texas Hosp., 1945–46, **1:** No. 2, 7.—**Wolfe, R. S.** The Veterans Administration outpatient service. Ibid., 1947–48, **3:** No. 5, 11.

—— in wartime.

Hastings, S. The hospital services; a policy for the war and post-war period. 24p. 21cm. Lond., 1941.

Forms No. 2, Health Serv., & No. 59, Res. Ser. Fabian Soc.

Baehr, G. Field and hospital services for civilian defense. South. Surgeon, 1942, **11:** 385–93.—**Campbell, J. M.** Medical women in the bombing of Britain. J. Am. M. Women Ass., 1946, **1:** 309–18.—**Davidson, S. G.** Hospital service in wartime. Hospitals, 1942, **16:** No. 8, 21.—**DeBusk, R. W.** War-time standards are different. Mod. Hosp., 1942, **59:** 51.—**Fesler, P. H.** Maintaining standards of hospital service during the war. Minnesota M., 1942, **25:** 544–9.—**M. Frances Clare** (Sister), **St. Stanislaus** (Sister) [et al.] A symposium: wartime problems; some changes in service since 1940. Hosp. Progr., 1944, **25:** 70–6.—**O'Hara, E. V.** Safeguards of hospital service in wartime. Ibid., 1942, **23:** 206–9.—**Walter, F. J.** Hospital service in war time. Bull. Am. Coll. Surgeons, 1943, **28:** 192.—**Wartime** problems of hospitals. Hosp. Progr., 1942, **23:** 366–8.

HOSPITAL ship.

See also **Airship; Burns,** Treatment, hospital; **Wounded,** Transportation.

Great Britain. Foreign Office. Correspondence with the German government regarding the alleged misuse of British hospital ships. 26p. f. Lond., 1917.

United States. Congress. 60. Congr., 1. sess., H. R. Doc No. 552. Jan. 23, 1908. Letter from the Secretary of the Navy transmitting in response to the inquiry of the House, documents, letters, etc., relating to the appointment of Surg. Charles F. Stokes to command of the Hospital Ship Relief, and the resignation of Rear Admiral Willard H. Brownson as Chief of the Bureau of Navigation. 31p. 8° Wash., 1908.

United States. Naval Medical Research Institute. Environmental and physiologic studies aboard two air-cooled hospital ships en route from Norfolk, Virginia to the Canal Zone. v. p. 27cm. Bethesda, 1945.

Forms Rep. No. 4, Res. Project X–205, Nav. Med. Res. Inst. U. S.

Bedell, E. Army hospitals afloat. R. N., Rutherford, 1943–44, **7:** No. 6, 36; 66.—**Byōin-sen** [Hospital ships] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tokyo, 1910, 56–119, 4 pl., 2 diagr.—**Dombrovsky, V.** Sanitarno-transportnye suda. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1395–405.—**Environmental** and physiologic studies aboard two air-cooled hospital ships en route from Norfolk, Virginia, to the Canal Zone. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July-Dec., 11–3.—**Gates, M. F.** What would be the ideal relationship of the hospital ship to the fleet from the standpoint of the hospital ship? Mil. Surgeon, 1913, **33:** 430–3.—**Goodhart, J. A.** The Army hospital ship. Bull. U. S. Army M. Dep., 1946, **6:** 321–4.—**Hospital** (A) ship in the Pacific. J. Am. M. Ass., 1943, **122:** 183.—**Hospital** ships. In: Manual M. Dep. U. S. Navy, Wash., 1942, 81.—**Johnson, L. W.** Why hospitals go to sea. Hygeia, Chic., 1942, **20:** 496; 543.—**Lung, G. A.** What would be the ideal relationship of the hospital ship to the fleet in time of peace from the standpoint of the fleet. Mil. Surgeon, 1913, **33:** 314–7.—**Medical** officers of U. S. Army hospital steamer Ben Deford. [Group photograph] See collect. of photographs in library.—**Myshrall, R. E.** Cargo ship as a transport. Hosp. Corps Q., 1946, **19:** No. 5, 11–3.—**Navy** doctors and hospital ships; an official release by the Office of War Information. J. Lancet, 1943, **63:** 265.—**Norris, H. L.** Wireless telegraphy and hospital ships. Brit. M. J., 1907, **2:** 512.—**Our** Navy's new floating hospital. Pharm. Advance, 1942–43, **14:** No. 161, 9.—**Perruchio, P.** Le navire-hôpital idéal. Rev. méd. nav., Par., 1948, **3:** 263–70.—**Pohle, F.** Umbau und Einrichtung von Lazarettschiffen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 447–53.—**Smith, G. W.** Conversion of cruiser into temporary hospital ship. Mil. Surgeon, 1944, **94:** 204–12.—**Toller, R. B.** Embarkation and disembarkation of hospital ship patients. U. S. Nav. M. Bull., 1946, **46:** 73–6.

—— Experiences.

Edge, G., & Johnston, M. E. The ships of youth; the experiences of two Army nursing sisters on board the Hospital Carrier Leinster. 124p. 19cm. Lond., 1945.

Pickett, S. E. The mercy ship. p. 139–228. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922.

Aston, M. J. Wartime experiences aboard a naval hospital ship. Mil. Surgeon, 1944, **94:** 157–60. ——— The USS Solace. Hosp. Corps Q., 1945, **18:** 27–9. ——— & **Kern, R. A.** The wartime log of a United States Navy hospital ship to 30 June 1943. U. S. Nav. M. Bull., 1946, **46:** 1639–46.—**Attacks** on hospital ships. J. Am. M. Ass., 1943, **122:** 823.—**Aynes, E. A.** The hospital ship Acadia. Am. J. Nurs., 1944, **44:** 98–100.—**Baskin, R.** Hospital ship at Iwo. Hosp. Corps Q., 1945, **18:** 36.—**Brownfield, O. D.** A naval hospital ship in the East. J. R. Nav. M. Serv., 1942, **28:** 228–34.—**Ceccherelli, G.** Estratto da una relazione di fine viaggio della Nave-Ospedale Gradisca. Ann. med. nav., Roma, 1938, **44:** 571–3.—**Davis, J. B.** The Solace in action. Hosp. Corps Q., 1946, **19:** No. 3, 18.—**Dixon, B. F.** Shores of Tripoli. Ibid., 1944, **17:** No. 5, 131–54. ——— The White Lily. Ibid., 1945, **18:** No. 7, 2–21.—**Drake, E. H., Strange, W. W.** [et al.] A wartime log of the United States naval hospital ship Solace from June 1943. U. S. Nav. M. Bull., 1948, **48:** 577; 750.—**Ford, R. A. W.** Landing hospital cases abroad. J. R. Nav. M. Serv., 1937, **23:** 265. ——— The Maine goes to sea. Ibid., 1944, **30:** 34–6.—**Gasca, A.** Rapport sur la croisiere médicale du bateau hôpital Belgique de Berghe-Sainte Marie à Kabinda. Ann. Soc. belge méd. trop., 1930, **10:** 285–310.—**Gent, J. C.** Some reminiscences of a hospital ship. J. R. Nav. M. Serv., 1949, **35:** 192–218.—**Germans** bomb another hospital ship. J. Am. M. Ass., 1943, **123:** 920.—**Groble, H. F.** Mission to Nagasaki. Trained Nurse, 1946, **116:** 200–2.—**Hospital** ship afloat; United States wounded in the Pacific. Nurs. Times, Lond., 1943, **39:** 201.—**Johnson, L. W.** All for the life of a sailor on the U. S. S. Relief. Mod. Hosp., 1936, **46:** No. 6, 42–7.—**Jostes, F. A.** The Navy's care of the war disabled. Crippled Child., 1944–45, **22:** 58, &c.—**Kern, R. A.,** & **Aston, M. J.** The wartime log of a United States Navy hospital ship to 30 June 1943; medical experiences. U. S. Nav. M. Bull., 1946, **46:** 1823; 1947: 94; 307.—**Kibsgaard, H., Richard, G. A.,** & **Bryant, L. A.** Commissioning the USS Bountiful. Hosp. Corps Q., 1945, **18:** 32–5.—**Patients** in hospital ship killed by Germans. J. Am. M. Ass., 1944, **125:** 372.—**Red** Cross ship evacuates Manila wounded. Red Cross Courier, 1941–42, **21:** No. 11, 16.—**Roddis, L. H.** USS Relief in the Pacific. Hosp. Corps Q., 1945, **18:** 30.—**Sekuzu, E., Matuno, K.** [et al.] Byōin-sen tosite no —— Byōin no zisseki [... —— Hospital used as a hospital ship] Gun idan zassi, 1938, No. 303, 917–38.—**Sister** (As) on an hospital ship. Canad. Nurse, 1918, **14:** 1084–6.—**Stewart, D.** Hospital ships in the second Dutch War. J. R. Nav. M. Serv., 1948, **34:** 29–35.—**Terrill, M.** Nursing on hospital ships. Mil. Surgeon, 1947, **100:** 418–21.—**Ullman, V.** The Haven class. Hosp. Corps Q., 1945, **18:** 22–6.—**Wakao, Y., Kanai, I.** [et al.] Tokusetu byōinsen —— Maru no zisseki [Results obtained with the specially equipped hospital ship, the S. S. ——] Gun idan zassi, 1938, No. 303, 909–16.—**Werhahn, A.** Hospital ship records. Hosp. Corps Q., 1945, **18:** 45–7.—**White, R. Y.** The Solace plies the Tasman and Coral Seas. Am. J. Nurs., 1944, **44:** 552–4. Also Australas. Nurs. J., 1944, **42:** 134–6.—**Wilcox, K. L.,** & **McCann, M. J.,** jr. Hospital carriers under aerial attack. Hosp. Corps Q., 1944, **17:** No. 3, 1–5.—**Wilson, R. A.** Errands of mercy. Ibid., 1945, **18:** 85–114.

—— Medical service.

Andrus, C. L. Improvised dressings and equipment; transportation of the injured. Surg. Clin. N. America, 1941, **21:** 1751–68.—**B., J.** Les appareils de transport des blessés à bord dans la marine française. Presse méd., 1939, **47:** 951.—**Ball,**

C. R. Deaths aboard a hospital ship. Hosp. Corps Q., 1945, 18: 48–51.—**Belair, J. F.** Experiences with x-ray on a hospital ship. U. S. Nav. M. Bull., 1946, 46: 397–404.—**Buthod, J. L.** Special medical unit. Hosp. Corps Q., 1946, 19: No. 4, 9.—**Donald, H. A.** The hospital ship program. Bull. U. S. Army M. Dep., 1944, No. 73, 35–41.—**Ferguson, L. K., Brown, L. B.** [et al.] Observations on the treatment of battle wounds aboard a hospital ship. U. S. Nav. M. Bull., 1943, 41: 299–305.—**Foster, R. B.** Dental officer's duty aboard naval hospital ship. Ibid., 1945, 44: 582–92.—**Hallon, D.** Notes from a dental officer in a hospital ship. Brit. Dent. J., 1942, 73: 258.—**Hindhaugh, A.** Surgery in a hospital ship. J. R. Nav. M. Serv., 1942, 28: 118–25.—**Hospitalship;** one of the wards on the Solace [Illust.] Pharm. Advance, 1942–43, 14: No. 161, 10.—**Jewett, E. L., Belair, J. F.** [et al.] Early treatment of orthopedic casualties on a hospital ship. U. S. Nav. M. Bull., 1946, 46: 25–36.—**Kubitzki.** Die Organisation an Bord eines Lazarettschiffes und Versorgung der Verwundeten. Zschr. ärztl. Fortbild., 1940, 37: 24–7.—**Medical** organization of USS Refuge. Hosp. Corps Q., 1945, 18: 38–44.—**Miller, W. B. D.** Evacuation of casualties by sea. In: Interallied Conf. War Med. (1942–45) 1947, 422–4.—**Operating** room on the hospital ship Solace [Illust.] Pharm. Advance, 1942–43, 14: No. 161, 10.—**Reed, W. P., & Sweetser, H. B.,** jr. Medical problems of an internist on a hospital ship. U. S. Nav. M. Bull., 1946, 46: 43–8.—**Solcard.** Appliances for the transport of wounded in the French navy. Bull. internat. Serv. santé, Liége, 1939, 12: 81.—**Surgery** in the Navy U. S. S. Mercy the latest development of the hospital ship. Sc. Am., N. Y., 1918, 118: 480; 488.—**Wigton, R. S.** Psychiatric experience on a naval hospital ship. Arch. Neur. Psychiat., Chic., 1945, 53: 159.—**Wolfe, H. R. I.** Three case reports illustrating surgery in a hospital ship. J. R. Nav. M. Serv., 1941, 27: 292–4.

—— Tactical employment.

Brauns. Die Verwendung von Lazarettschiffen im bisherigen Kriege. Deut. Aerztebl., 1939, 69: 731.—**Kaplan, A.** Use of the LSV for evacuation and care of amphibious combat casualties. U. S. Nav. M. Bull., 1946, 46: 289–91.—**Kutscher.** Ueber den taktischen Einsatz kleiner Lazarettschiffe. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 245–7. Also English transl., Conf. Med. Consultants to Wehrmacht (1943) 1948, 3. Conf., Proj. 1, pt 6, 303–5.—**Pleadwell, F. L.** The relationship of the hospital ship and medical transport to the fleet in time of war. Mil. Surgeon, 1913, 33: 318–29.—**Wildebush, F. F., & Climer, J. E.** Hospital ship in amphibious action. U. S. Nav. M. Bull., 1944, 43: 937.

HOSPITAL staff.

See also **Dietitian.**

Average strength of personnel of U. S. Naval hospitals for the year 1943 [tab.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 9, 43.—**Benjamin, H. W.** Graphic view of shrinking personnel, what of effectiveness in disaster? Hospitals, 1943, 17: No. 9, 79.—**Crane, J. F.** Victory through sacrifice. Mod. Hosp., 1934, 61: 70.—**Hayhow, E. C.** Maintaining adequate professional and nonprofessional personnel under war time conditions. Bull. Am. Coll. Surgeons, 1944, 29: 218–20.—**Interns** and residents in air force hospitals; policy to be followed in placing present interns and residents who will be assigned to the Army Air Forces. J. Am. M. Ass., 1943, 121: 1223.—**Liberman, M. M.** Biudżet rabočego vremeni nekotorykh grupp bolničnogo medpersonala. Kazan. med. J., 1932, 28: 280–98.—**MacEachern, M. T.** Medical manpower and civilian hospitals. Hospitals, 1943, 17: No. 6, 19–21.—**Meeting** the increasing difficulties of hospitals in maintaining adequate professional and nonprofessional personnel during war time. Bull. Am. Coll. Surgeons, 1943, 28: 213–21.—**Moore, M.** The making of a ward attendant. Air Surgeon Bull., 1944, 1: No. 7, 10.—**Neff, R. E.** Maintaining standards of professional services with special reference to medical records, medical staff conferences, and adjunct diagnostic services. Bull. Am. Coll. Surgeons, 1944, 29: 213–6.—**Petitclerc, L. J.** The preparation of technical and professional personnel for wartime service. Hosp. Progr., 1943, 24: 51.—**Selective** service and the hospital; a 2-way manpower replacement plan. Hospitals, 1943, 17: No. 7, 20.—**Sheats, G. D.** Civilian medical practice and administrative adjustments in professional staffs of hospitals in wartime. Mississippi Doctor, 1942–43, 20: 536.—**Steele, M. F.** How hospitals are meeting the increased demands for service under war time conditions. Bull. Am. Coll. Surgeons, 1944, 29: 210–3.—**Switzer, M. E.** Hospital personnel in the war situation. Hospitals, 1943, 17: No. 5, 13–7.

—— Administrative officers.

United States. Veterans Administration. Technical bulletin TB 10A–120: Executive Officer positions in VA hospitals and centers. 2p. 27cm. Wash., 1948.

Crain, K. C. Non-medical hospital executives baffled by Army tradition; chance to become administrator is denied; probably can serve country better at home. Hosp. Management, 1942, 54: No. 6, 21.—**Mallory, G. W.** Utilization of medical administrative officers in hospitals. Mil. Surgeon, 1947, 101: 317–9.—**Tead, O.** Supervision and administration in wartime. Am. J. Nurs., 1944, 44: 53–7.

—— Clinical clerk.

United States. Veterans Administration. Technical bulletin TB 10A–149: Use of clinical clerks at VA hospitals and at regional offices [1]p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–202: Use of clinical clerks at VA hospitals, centers, and regional offices. 3p. 26½cm. Wash., 1949.

—— Conferences.

See also **Journalism.**

Dikovicky, A. A., & Spiridonov, A. N. Сборник научных работ N-ского эвакогоспиталя. 132p. 19½cm. Gorky, 1943.

Pravdin, A. N. Сборник научных работ эвакогоспиталей. 373p. 26½cm. Moskva, 1942.

Russia. Narodnyi Komissariat Zdravookhraneniia SSSR. Hospitalnyj sovet [2. Plenum, 1942] Труды. 484p. 27cm. Moskva, 1943.

United States. Army. Walter Reed General Hospital. Program of professional staff proceedings. Wash., Sep. 19, 1949–

United States. War Department. Professional rounds and meetings in hospitals. 2p. 27cm. Wash., 1945.

Forms TB Med 210, Techn. Bull. War Dep., U. S.

Conferenze e dimostrazioni cliniche negli ospedali militari. Gior. med. mil., 1940, 88: 305.—**Fuller, M. L.** Staff conferences in an Army general hospital. Am. J. Nurs., 1944, 44: 664.—**Indications** conference in general hospitals. Bull. U. S. Army M. Dep., 1944, No. 82, 14–6.—**Rufanov, I. G., & Rostotsky, I. B.** [On dissertations of the physicians of evaco-hospitals] Hosp. delo, 1945, No. 3, 8–15.—**Volsky, V.** [Second scientific conference of evacuation hospitals in the Georgian Soviet Republic (Tbilisi)] Med. rabot., 1944, 7: No. 15, 1.

—— Dentist.

See as main heading.

—— Nurse.

See also **Nurse.**

United States. Veterans Administration. Technical bulletin TB 10A–160: Instructions for establishment and use of Nurse's Qualification Card, VA Form 10–2850c, and Qualification Card Insert, VA Form 10–2850d. 4p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–161: Policies and procedures relating to programs for affiliate nurses. 20p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–162: Orientation program for VA professional nursing personnel. 10p. 27cm. Wash., 1948.

Baehr, G. Volunteer nurses' aides in Army hospitals. Operat. Letter U. S. Off. Civ. Defense, 1943, No. 28, 1.

—— Recruiting.

Lea, H. W. The wartime bureau of technical personnel and its relation to hospitals. Canad. Hosp., 1944, 21: No. 2, 24.—**Quinn, K. B.** Patient aides serve well in war time. Mod. Hosp., 1944, 62: No. 2, 114.—**Recruiting** WACs for service in general hospitals. Bull. U. S. Army M. Dep., 1945, No. 86, 6.

—— Steward.

Denit, G. B. Ward and mess attendant training. Med. Bull. Europ. Command, 1949, 6: No. 4, 55.—**Eaton, W. E.** The hospital steward. U. S. Nav. M. Bull., 1916, 10: 269–77.—**What** hospital jobs can be offered discharged military personnel? Hosp. Management, 1944, 58: 32.

—— Supply officer.

See as main heading.

—— Veterans' hospital.

United States. Veterans Administration. Technical bulletin TB 10A–131: Residency program. 8p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–218: Policies and procedures relating to training programs for hospital aides. 8p. 26½cm. Wash., 1950.

—— voluntary.

Crane, J. Wartime work of women's auxiliaries and volunteers in Britain's hospitals. Hospitals, 1942, **16:** No. 6, 77.—**Grigg, J.** Status of V. A. D. in military hospitals. Brit. M. J., 1943, **2:** 27.

HOSPITAL train.

See also **Ambulance service,** History; **Train; Wounded,** Transportation.

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 208/9: Packordnung der Sanitätsausrüstung, Satz d; Zug Feldlazarett. 24p. 21cm. Berl., 1941.

UNITED STATES. ARMY. AMERICAN EXPEDITIONARY FORCES. SANITARY TRAIN No. 117. Iodine and gasoline by an associated staff. 192p. 23½cm. n. p., 1919[?]

Bedell, E. Hospital train. R. N., Rutherford, 1943–44, **7:** No. 5, 41–7.—**Beery, E. N., & McLane, A. D.** Hospital trains; start them down the road to health. Mod. Hosp., 1945, **65:** 52–4.—**Blitz** (From) to base hospital by evacuation train. Nurs. Mirror, Lond., 1941, **73:** No. 1886, Suppl., p. i.—**Chavasse, C. C. H.** The organization and running of an ambulance train. J. R. Army M. Corps, 1940, **75:** 227–35.—**Colmers.** Verwundetentransport auf der Bahn. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 53–9.—**Fernández Zamarrón, F.** Trenes sanitarios. Rev. san. mil., Madr., 1935, **25:** 65–77.—**Fishman, F. M.** [Organization of work in the permanent hospital train] Voen. san. delo, 1942, No. 9, 14–21.—**Grill, J.** A hospital on wheels. Bull. Utica Acad. M., 1936, **1:** No. 8, 5, &c.—**Hawke, M.** Stretcher-sling for use in casualty evacuation trains. Brit. M. J., 1941, **1:** 713.—**Hind, J. R.** Los hospitales rodantes de construcción británica. Reforma méd., Lima, 1943, **29:** 732.—**Hospital** car. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 1, 33.—**Hospital** on rails. Army Life, 1943, **25:** No. 9, 9.—**Hospital** (A) rolls through Europe. Mil. Rev., Fort Leavenw., 1942–43, **23:** No. 9, 31.—**Hospital** train in Australia. Bull. U. S. Army M. Dep., 1944, No. 78, 6.—**Hospital** train, communications zone type. Ibid., No. 72, 6.—**Laffer, L.** I work on an ambulance train. Australas. Nurs. J., 1943, **41:** 4.—**Marcinovich, M. R.** [Organization of therapeuto-evacuational work on the military-sanitary trains on long trips] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 23–7.—**Mercier, R. G.** Trenes sanitarios. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 168–71.—**Modern** (A) Army hospital on rails. Hosp. Topics, 1943, **21:** No. 12, 21.—**New** hospital car for use in the United States. J. Am. M. Ass., 1944, **126:** 967.—**Nord, G. H.** Transport des blessés et malades par chemin de fer. Rev. internat. Croix Rouge, 1937, **19:** 5–12.—**Overseas** hospital train to be exhibited in Washington. Release U. S. War Dep. Bur. Pub. Relat., 1943, Nov. 22, 1–3.—**Page, T. N.** Army hospital takes to wheels. Mod. Hosp., 1943, **60:** No. 2, 54–6.—**Polivnik, S. P.** [Medical work in the hospital train] Voen. san. delo, 1942, No. 6, 44–8.—**Schneider, A., & Petit, P. A. J.** Les évacuations sanitaires de l'avant par voie ferrée dans la guerre de mouvement; les points d'embarquement en chemin de fer. Arch. méd. pharm. mil., 1929, **91:** 393–410, 4 map.—**Schneidt & Seitzinger.** Vierzehn Tausend Kilometer mit dem bayer. Hilfslazarettzug Nr. 2; Erfahrungen und praktische Winke. Münch. med. Wschr., 1915, **62:** 312–4.—**Smith, H. E.** Overseas hospital train. Army Life, 1943, **25:** No. 12, 4.—**Special** hospital train equipped to serve Canadian defense force. Hosp. Management, 1941, **51:** 21.—**Thomann, J.** Etudes sur l'utilisation des automotrices sur rails pour le transport des blessés. Rev. internat. Croix Rouge, 1937, **19:** 13–7, 10 pl.—**Torrey, R. F.** Hospital train. Red Cross Courier, 1943–44, **23:** No. 3, 11.—**Vilaseca, J. E.** Hospitales rodantes; hospital técnico. Día méd., B. Air., 1945, **17:** 384–9. Also Rev. As. méd. argent., 1945, **59:** 921–6.

HOUSING.

See also **Barracks; Cantonment; Shelter.**

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 72/1: Bestimmungen über die Erfassung, Zuführung und Betreuung der siedlungswilligen Kriegsteilnehmer für die wiedergewonnenen Siedlungsräume. 60p. 21cm. Berl., 1943.

Chamberlain, W. P., & Shields, W. S. Housing of troops. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6:** 129–72.—**Cox, W. C.** [The housing of the troops of the Panama Canal Department] In: Prev. Med. in World War II, Wash., 1948, **11:** 7–10.—**Fort** Pepperrell [housing] Ibid., **6:** 106.—**Freedman, D. K.** Health problems in war housing. J. Am. M. Ass., 1942, **120:** 9–13.—**Harmon** Field [housing] In: Prev. Med. in World War II, Wash., 1948, **6:** 107.—**Housing.** Ibid., **5:** 2; **8:** 86.—**Kweitel, A. M., Quincke, E. G., & Laass, F.** Los cuarteles del Ejército nacional, como vivienda colectiva y factor sociológico contribuyente al bienestar ciudadano. Congr. argent. urbanismo (1935) 1937, I. Congr., **2:** 302–10.—**Van Auken, H. A.** Housing and air conditioning. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 2, 51–6.

HUMAN engineering.

See also **Acceleration,** negative; **Aircraft,** Design; **Psychology.**

Yerkes, R. M. Man-power and military effectiveness; the case for human engineering. J. Consult. Psychol., 1941, **5:** 205–9.

HUMANITARIANISM.

See also such terms as **Geneva Convention; Prisoner of war; Red Cross; Surgeon, Wounded.**

LIÈGE, BELGIUM. OFFICE INTERNATIONAL DE DOCUMENTATION DE MÉDECINE MILITAIRE. Vers l'humanisation de la guerre. 60p. 8° Madr., 1933.

Amulree. The Red Cross. Lancet, Lond., 1943, **1:** 569.—**Appel** adressé par le Comité international de la Croix-Rouge aux gouvernements des états belligérants concernant la protection des populations civiles. Rev. internat. Croix Rouge, 1940, **22:** 483.—**Austregésilo, A.** A humanidade e a guerra. Impr. med., Rio, 1947–48, **23:** No. 409, 25–8.—**Bourquin, M.** La Croix-rouge et la protection conventionnelle des civils en temps de guerre. Rev. internat. Croix Rouge, 1947, **29:** 886–96.—**D., L.** Protection des populations civiles. Ibid., 1940, **22:** 558–74.—**Des Cilleuls.** Contribution nouvelle à l'histoire des conventions humanitaires. Bull. Soc. méd. mil. fr., 1949, **43:** 20.—**Gallopin, R.** La protection des civils en temps de guerre et la notion de l'objectif militaire. Rev. internat. Croix Rouge, 1939, **21:** 545–57.—**Jansma, K., Baak, J. M.** [et al.] Protection de la population civile contre les nouveaux engins de guerre. Bull. internat. Serv. santé, Liége, 1937, **10:** 96–104.—**Karvowski.** La médecine militaire sur le plan international; à propos du projet de révision des conventions humanitaires. Ibid., 1947, **20:** 321–3.—**Manganaro, C.** La protezione dei feriti e dei malati da atti ostili durante lo stato di guerra. Forze san., Roma, 1936, **5:** 1362–8.—**Mayer, A.** Protection juridique des militaires blessés et malades dans les hôpitaux civils; Art. 21 du règlement de la Haye du 18 octobre 1907 concernant les lois et coutumes de la guerre sur terre. Rev. internat. Croix Rouge, 1943, **25:** 65.—**P., J.** Le Comité international de la Croix-Rouge et la guerre; signalisation des hôpitaux civils; emploi du signe de la Croix-Rouge. Ibid., 937–43.—**Piedad** (La) humana frente al drama de la guerra. Reforma méd., Lima, 1941, **27:** 263–6.—**Protection** des civils en temps de guerre. Rev. internat. Croix Rouge, 1947, **29:** 547–97.—**Protection** des populations civiles. Ibid., 1939, **21:** 990; 1940, **22:** 460.—**Protection** des populations civiles contre la guerre aéro-chimique. Ibid., 98–114.—**Respect** (Le) du blessé et la guerre actuelle. Presse méd., 1940, **48:** 565.—**Réunions** médico-juridiques internationales pour la protection de la population civile en temps de guerre; Liége 24–28 juin 1939. Ann. hyg., Par., n. sér., **17:** 368–70.—**Reynders, R.** La médecine militaire et l'humanisation de la guerre. Arch. méd. sociale, Par., 1947, **3:** 308–14.—**Santesson, C. G.** Fraternitas medicorum; kriegshets i den medicinska pressen och en maning till kamp för en högre internationell moral. Allm. sven. läk. tidn., 1915, **12:** 1137–42.—**Sillevaerts, C.** L'effort fait par les médicins pour l'humanisation de la guerre. Bruxelles méd., 1934–35, **14:** 1433–43.—**Voncken, J.** Para crear un derecho médico internacional. Med. & cir. guerra, 1949, **11:** 295–307. ——— El principio de no cautividad de los médicos en tiempo de guerra. Ibid., 308–14.—**Winkel, H.** Une proposition néerlandaise pour la protection de la population civile contre les moyens modernes de guerre. Bull. internat. Serv. santé, Liége, 1937, **10:** 33–5.

HUMERUS.

See also **Extremity.**

Cooper, C. E. Epicondylitis of the humerus. U. S. Nav. M. Bull., 1945, **44:** 501–6.

—— Injury.

See also **Fracture**—by site: Extremity, upper.

TURNER, S. *Contribution à l'étude du traitement des fractures de guerre de l'humérus. 29p. 23cm. Genève, 1940.

Adrian, S. Beiträge zum Studium der offenen Brüche des Humerus im gegenwärtigen Krieg. Zbl. Chir., 1942, **69:** 728–30.—**Chappoux.** Traitement des pertes de substances de l'humérus par blessures de guerre. Bull. Soc. chir. Paris (1947) 1948, **38:** 486–90. ——— Traitement des pseudarthroses de guerre de l'humérus avec perte de substance. Bull. Soc. méd.

mil. fr., 1948, 42: 109–12.—**Cressall, S. F. M.** A method of first-aid splinting for a fractured humerus with Cramers wire. J. R. Army M. Corps, 1946, 86: 77–9.—**Gershman, M.** A simple method of immobilizing compound fractures of the humerus. Med. Bull. North Afr. Theater U. S., 1944, 2: 12–4.—**Javorsky, S.** Ognestrelnye perelomy kostej predpleċja. Voen. san. delo, 1939, No. 8, 36–41.—**Kelly, R. P., & Riley, J. W.** Prevention of angulation in lower 3rd humeral fractures. Bull. U. S. Army M. Dep., 1945, No. 84, 100.—**Macey, H. B., & Coventry, M. B.** Use of hanging casts in compound fractures of the humerus. U. S. Nav. M. Bull., 1945, 45: 33–6.—**Maïm.** Sur un nouveau mode de réduction et de contention des fractures de la diaphyse humérale; le plâtre à auto-traction continue. Bull. Soc. méd. mil. fr., 1946, 40: 41–3.—**Miller, R. H.** Use of 3% ether-saline solution as a vasodilator in arterial spasm following a fracture of the humerus; medical aspect. Surgeon Circ. M. Sect. Far East Command, 1949, 4: No. 5, 14–6.—**Roca, C. A.** Fracturas diafisiarias del húmero en el medio militar. Rev. san. mil., B. Air., 1942, 41: 847–53.—**Rounds, R. C.** Balanced skeletal traction for fractures of the humerus. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 63.—**Sarlin, E.** A propos du traitement des fractures de l'humérus par un plâtre circulaire brachio-antibrachial en suspension, dit plâtre américain. Rev. Corps san. mil., Par., 1946, 2: 93–106.

HUMIDITY.

See **Cold exposure; Heat.**

HUNGARIAN battle for freedom (1848–49)

See under **Wars and campaigns.**

HUNGARY.

For references to this country see the following headings in Military Section: **Army; Hospital report; Medical care; Medical Corps; Medical organization; Medical service; Morbidity; Nutrition service; Prisoner of war; Recruiting; Tuberculosis; Venereal disease; Veterinary Corps; Wars and campaigns; World War I; World War II.**

HYALURONIDASE.

Henderson, A. T., Wallace, S. L., & Faucett, R. E. The use of hyaluronidase. U. S. Nav. M. Bull., 1948, 48: 865–7.

HYDROCARBON.

Houghton, J. A. Determination of halogenated hydrocarbons in air. Bull. U. S. Army M. Dep., 1946, 5: 220–2.—**Quérangal des Essarts, J.** Intoxications aiguës par peintures à base d'hydrocarbures dans les Arsenaux de la Marine. Rev. méd. nav., Par., 1947, 2: 157–61.

HYDROCELE.

Garbién, J. Modifikacja operacji wodniaka jądra. Lek. wojsk., 1933, 21: 303–6.—**Hockett, V. E.** Treatment of hydrocele. U. S. Nav. M. Bull., 1942, 40: 922.

HYDROGEN.

DZIEMIAN, A. J. The effects of body-gassing with H vapor on the carbohydrate metabolism of dogs. 26p. 27cm. Edgewood Arsenal, 1945.

Forms No. 59, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

—— The effects of the intravenous administration of H on the carbohydrate metabolism of dogs. 20p. 27cm. Edgewood Arsenal, 1945.

Forms No. 60, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

—— FERGUSON, R. L. [et al.] The effects of H in oil applied to the skin of dogs. 13p. 27cm. Edgewood Arsenal, 1945.

Forms No. 27, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Aircraft accident resulting from accidentally charging oxygen system with hydrogen. Air Surgeon Bull., 1944, 1: No. 5, 10.

HYDROSTATIC pressure.

See under **Acceleration,** Immersion in fluid.

HYDROSTATIC suit.

See **Clothing,** Air Force.

HYDROTHERAPY.

See also **Physical therapy; Therapeutics** subheadings.

Holmes, G. Hydrotherapy as a means of rehabilitation. In: Rehabil. War Injured (Doherty, W. D., & Runes, D. D.) N. Y., 1943, 464–9.—**Russell, D. H.** Improvised hydrotherapy unit. Bull. U. S. Army M. Dep., 1945, 4: 243.

HYGIENE.

See also **Arctic service,** Hygiene; **Barracks,** Hygiene; **Camp; Clothing; Sanitation; Tropical service; War hygiene.**

SANGIORGI, G. Variazioni sul tema: Igiene di guerra. 150p. 26cm. Città di Castello, 1943.

Bujwid, O. Kilka uwag w sprawie hygieny wojskowej. Lek. wojsk., 1921, 2: 199–201.—**Castillo, G.** Importancia de la higiene para el gremio militar. Bol. san., Managua, 1942–43, 3: No. 24, 10; No. 25, 7.—**Codvelle, F.** Hygiène militaire et hygiène sociale. Rev. hyg., Par., 1935, 57: 241–61.—**Costa, B.** A higiene ao serviço das forças armadas. Arq. Dep. saúde Rio Grande do Sul, 1942, 3: 129–42.—**Delfosse, J.** Hygiène militaire. Bull. internat. Serv. santé, Liége, 1946, 19: 1–6.—**Grond, C.** L'hygiène à la campagne. Rev. path. comp., Par., 1924, 24: 333–5.—**Hitchens, A. P.** Military hygiene. Illinois M. J., 1933, 64: 264–9.—**Holmes, D. P.** Hygiene with a force. J. R. Army M. Corps, 1942, 78: 29–34.—**Ortega Delgado, F.** La higiene y el ejército. In: Observ. España (Gershberg, J. M.) 2. ed., N. Y., 1933, 144.—**Palanca, J. A.** Higiene militar. In his Orient. act. san. púb., Madr., 1947, 525–39.—**Primer** Congreso de higiene y medicina social. Rev. san. mil. argent., 1948, 47: 386.—**Sampaio, M.** Higiene militar e medicina militar. Rev. med. cir. Brasil, 1942, 50: 385–97.—**Sangiorgi, G.** Igiene militare. In: Tratt. igiene (Bertarelli, E.) Milano, 1944, 569–90.—**Solano Castro, V.** Algunas consideraciones sobre la higiene militar. Rev. mil. Perú, 1943, 40: pt 2, 13; passim.—**Strøm, A.** Militaerhygiene. Tskr. Norske laegeforen., 1946, 66: 503–5.—**Teixeira, M.** A higiene e a sanidade militar nos exércitos modernos. J. méd., Pôrto, 1945–46, 7: 336.—**Zelenev, N.** Voennaja higiena. In: Bolsh. med. encikl., 1928, 5: 403–9.

—— Air Force.

See also **Aviator,** Hygiene.

Ruff, S. Hygiene des Flugdienstes. In: Wehrhygiene (Handloser, S.) Berl., 1944, 523–30.

—— Army.

Vollenweider, P. Praktische Hygiene in der Armee. Schweiz. med. Wschr., 1938, 68: 380. Also Vjschr. schweiz. Sanitätsoff., 1938, 15: 66–9.

—— Bibliography.

JAHRESBERICHT über die Leistungen und Fortschritte auf dem Gebiete des Militär-Sanitätswesens. Berl., 1909, v. 35.

Forms Suppl. to Deut. mil. ärztl. Zschr.

Ridder. Neuere Arbeiten aus dem Gebiete des Militär-Sanitätswesens. Med. Klin., Berl., 1914, 10: 164–8.

—— History.

Casarini, A. L'igiene militare attraverso i secoli. Rass. clin. ter., 1938, 37: Suppl., 293–310.—**De Block, F.** The days gone by; military medicine in the eighteenth century; the precepts of military hygiene of the Prince de Ligne. Mil. Surgeon, 1929, 65: 561–76, portr.—**Hawickhorst, H.** Gesundheitserhaltung der Soldaten um 1740 (Truppenhygiene vor 200 Jahren) Deut. Militärarzt, 1939, 4: 61–3.—**Henderson, P. H.** Some milestones of achievement in army hygiene and a few suggestions for further progress. J. R. Army M. Corps, 1935, 64: 1–16.—**Hervé, G., & Faës, A.** L'hygiène militaire au XVIII^e siècle dans une petite place forte d'Alsace: Fort-Louis du Rhin. Bull. Soc. fr. hist. méd., 1930, 24: 57–75.—**Hygiene** militar; melhoramentos a fazer na hygiene do soldado. J. pharm. sc. med. India Portug., 1862–63, 52; 101; 141; 173.—**Krauss, H.** Kriegshygiene vor 300 Jahren. Oeff. Gesundhdienst, 1939–40, 5: A, 326–30.—**Krotkov, F. G.** [Development of military hygiene] Voen. san. delo, 1937, No. 11, 118–20.—**Melville, C. H.** Military hygiene and sanitation: a retrospect. J. R. San. Inst., 1926–27, 47: 95–110. Also J. R. Army M. Corps, 1927, 48: 24–37.

—— Institutes.

See also **School.**

Kahnt, W. Die Militärsanitätsanstalt. In: Sanitätstruppen, Zür., 1942, 37–42.

—— Instruction.

See also **Health education.**

Oviedo Mota, A. Ensayo de higiene militar. 41p. 23½cm. Méx., 1916.

Allnutt, E. B. Training in military hygiene. Lancet, Lond., 1942, **1**: 733.—**Piqueras, E.** La enseñanza de la higiene militar en la Academia de sanidad. Rev. españ. med. cir. guerra, 1945, **7**: 529–32.—**Sadi Kavur, E.** [Modern military hygiene and instructions] Askeri sihhiye mecmuasi, 1939, **68**: No. 28, 77–86.

—— Laws and regulations.

Rush, B. Directions for preserving the health of soldiers. p. 183–90. 8° Lancaster, 1778.

United States. War Department. Army regulations No. 40–205; Medical Department: Military hygiene and sanitation. 20p. 8° Wash., 1924.

—— [The same] Changes No. 1. 1p. 8° Wash., 1925.

—— [The same] Changes No. 2. 2p. 8° Wash., 1927.

Collier, G. A. Epitome of the regulations governing hygiene and sanitation. J. R. Army M. Corps, 1926, **46**: 32–44. —— Extracts from the regulations for controlling the health of the troops during a period of concentration and in the field. Ibid., 1927, **49**: 195–8.—**Schwalbe, J.** Militärische Erlasse zur Förderung des öffentlichen Gesundheitswesens Deut. med. Wschr., 1916, **42**: 608.

—— Lectures and manuals.

See also **Field manual.**

Ashburn, P. M. The elements of military hygiene, especially arranged for officers and men of the line. 3. ed. 377p. 19cm. Bost., 1937.

Bruni, N. Igiene militare. 564p. 25cm. Milano, 1937.

Campos, M. Elementos de hygiene militar. 94p. 8° Rio, 1927.

China. Chün. 18. Chi-t'uan-chün. Liu-shou-ping-t'uan. Wei-Shêng-pu. Wei-shêng-hsüeh ta-i [General hygiene; 18. Guard Corps. Sanitation Command] 44p. 18½cm. [n. p.] [before 1937]

Di Fabio, V. Igiene in tempo di guerra; conferenza tenuta all'Università nei giorni 22 a 24 giugno 1915 ad iniziativa del Circulo di Cultura Minerva. 32p. 8° Nap., 1915.

Espinoza Smith, C. F. Manual de higiene y profilaxis para uso del soldado ecuatoriano. 37p. 8° Quito, 1936.

Handloser, S. A., Hoffman, W. [et al.] Wehrhygiene. 539p. 25cm. Berl., 1944.

India. Army. Medical Directorate. Field service hygiene notes; India, 1940. 635p. 17½cm. Delhi, 1941.

Izard, I., & Des Cilleuls, J. Précis d'hygiène militaire. 229p. 12° Par., 1930.

Konrich, F. Einführung in die Wehrhygiene. 164p. 25cm. Stuttg., 1943.

Krotov, F. G. Военая гигиена. p.358–415. 26cm. Moskva, 1942.
In: Uchebn. hig. (Sysin, A. N.) 4. izd., Moskva, 1942.

—— [The same] p.569–720. 22cm. Leningr., 1947.
In: Ucheb. obshch. hig. (Moiseev, S. V.) Leningr., 1947.

Leningrad, U. S. S. R. Voenno-medicinskaja akademija im. S. M. Kirova. Пособие к практическим занятиям по военной гигиене. 114p. 21cm. Leningr., 1949.

Mariotti-Bianchi, G. B., & Costa, F. Igiene militare. 599p. 13cm. Roma, 1929.

Palanca, J. A. Higiene militar. p.909–63. 25½cm. Barcel., 1941.
In: Trat. hig. & epidem., Barcel., 1941, **1**.

Prat, S. Notions d'hygiène militaire et d'administration du Service de Santé. 478p. 8° Par., 1930.

Shattuck, G. C. Handbook of health for overseas service. 198p. 15½cm. Cambr., 1942.

—— & Mixter, W. J. [The same] 2. ed. 228p 15cm. Cambr., 1943.

Smiley, D. F., & Gould, A. G. Manual of war-time hygiene. 86p. 21½cm. N. Y., 1942.

Solovjev, V. V. Судовая гигиена. 171p. 22cm. Moskva, 1947.

United States. Military Academy. Department of Military Hygiene. Lectures No. 1–6. 6 nos in 5 v. 32cm. West Point[?] 1948.

United States. War Department. Surgeon General's Office. Medical Field Service School. Elements of military hygiene. 218p. 8° Carlisle Barracks, 1937. Also 2. ed. 272p. 23½cm. Carlisle Barracks, 1942.

Waldmann, A., & Hoffmann, W. Lehrbuch der Militärhygiene. 759p. 8° Berl., 1936.

Levene, A. Lecciones de higiene militar. Rev. san. mil., B. Air., 1928, **27**: 147; passim.—**Markhasev, M. G.** Sudovaja higiena truda. In: Sudovaja hig. (Solovjev, V. V.) Moskva, 1947, 145–69.—**Navarro, M.** Sobre higiene militar en el cuartel de San Francisco. Rev. san. mil., La Paz, 1940, **4**: 843–8.

—— mental.

See **Mental hygiene.**

—— Methods.

See **Sanitation.**

—— naval.

Cazamian, P. Hygiène et prophylaxie dans la marine de combat. 699p. 8° Par., 1932.

Leningrad, U. S. S. R. Voenno-morskaja medicinskaja akademia. Kratkij kurs voenno-morskikh sanitarnykh disciplin. Vyp. 3: Morskaja higiena. 194p. 22½cm. Leningr., 1940.

Shaw, T. B. Naval hygiene. 365p. 8° Lond., 1929.

United States. Navy. Medical Department. A manual of naval hygiene. 340p. 19½cm. Wash., 1943.

Andreev, V. Sudovaja voenno-morskaja higiena. In: Bolsh. med. encikl., 1935, **32**: 51–7.—**Brancato, F.** I metodi catatermometrici di Hill in igiène navale. Ann. med. nav., Roma, 1929, **35**: pt 2, 3–16.—**Grossi G., V.** Anotaciones al Código sanitario. Rev. san. nav., Valparaiso, 1936, **6**: 33; passim.—**Malone, A. E.** Some remarks on the evolution of naval hygiene. Proc. R. Soc. M., Lond., 1929–30, **23**: Sect. War, 1–6. Also J. R. Nav. M. Serv., 1930, **16**: 169–76.—**Matilla, V.** Higiene naval. In: Trat. hig. & epidem., Barcel., 1941, **1**: 964–97.—**Pezzi, G.** Un'opera d'igiene navale del sec. XVIII. Riv. stor. sc. med., 1947, **38**: 170–81.—**Principles** (The) of military hygiene for naval officers ashore. R. Naval M. Bull., 1945, No 7, 1–30.—**Rivaz, P. M.** Some common problems in naval hygiene. Proc. R. Soc. M., Lond., 1928–29, **22**: Sect. War, 13–8. Also J. R. Nav. M. Serv., 1929, **15**: 117–24.—**Sangiorgi, G.** Igiene navale. In: Tratt. igiene (Bertarelli, E.) Milano, 1944, 555–67.—**Southwell-Sander, G. H. G.** Recent advances in naval hygiene and preventive medicine. J. R. Nav. M. Serv., 1947, **33**: 294–305.

—— Periodicals.

See under **Journalism.**

—— personal.

See also **Aviator,** Hygiene; **Health.**

Olen, R. R. Fighting fit; hints on health for soldiers. 65p. 17cm. Sydney, 1943.

Sarrat, J., & Montels, L. Notions pratiques d'hygiène élémentaire et de médecine préventive à l'usage des militaires de carrière et de leurs familles. 244p. 12° Par., 1933.

Vidal M., A. Cartilla de higiene militar. 53p. 18½cm. Tegucigalpa, 1924.

Gallac, J. I. La salud del soldado como factor de éxito en la lucha. Rev. san. mil., B. Air., 1944, **43**: 47–9.—**Leffingwell, F. E.** Personal hygiene. In: Med. Cadet Corps Train. Man. (Courville, C. S.) 2. ed., Glendale, 1943, 90–7.—**Ličnaja higiena.** In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 558–64.—**Müller, H.** Das Gesundheitsbuch für Wehrmacht und Reichs-

arbeitsdienst. Deut. Aerztebl., 1937, **67:** 463–5.—**Ramzin, S.** Higijena vojničkih zanimanja i fiskulture. Voj. san. pregl., Beogr., 1949, **6:** 355–64.

—— Problems.

Brekenfeld. Die Aufgaben der Wehrhygiene. Veröff. Heer. San., 1936, H. 100, 7–11.—**Cheyne, D. G.** Some factors in influencing the load of the soldier. J. R. Army M. Corps, 1926, **46:** 346–53.—**Elliott, M. R.** Problems of army hygiene. Canad. M. Ass. J., 1941, **45:** 517–20.—**Guiffard, L.** Note sur un point d'hygiène militaire. C. rend. Ass. fr. avance. sc., 1903, **32:** 410.—**Lampis, E.** Problemi sanitari nella guerra moderna. Gior. med. mil., 1940, **88:** 485–99.—**Peeters, H.** [Problems of military hygiene] Tschr. sociale hyg., 1931, **33:** 37; 65; 110.—**Zeiss, H.** Wesen und Aufgaben der Kriegshygiene. Med. Welt, 1935, **9:** 1591–5.

—— Progress.

Pfannenstiel, W. Der moderne Krieg als Lehrmeister der Hygiene. 28p. 21cm. Oldenb., 1944.

Forms No. 2, v. 8, Bremer Beitr. Naturwiss.

Gloyne, L. B. Learn hygiene from the Army. Hygeia, Chic., 1942, **20:** 836.—**Hackett, L.** Orientaciones modernas en la sanidad. Rev. san. mil., Habana, 1942, **6:** 181–9.

—— tropical.

See **Tropical service,** Hygiene.

HYGIENIC measures.

Cazamian. La propreté corporelle dans la marine. [Bodily cleanliness in the Navy] Arch. méd. pharm. nav., 1927, **117:** 30–59.—**Des Cilleuls, J. M., & Bellon, J.** Les améliorations récentes apportées à l'hygiène des camps dans l'armée française. Sess. Off. internat. docum. méd. mil., 1938, 8. sess., 303–34.—**Frias, C.** Higiene de campanha; notas do C. E. P. Portugal méd., 1919, **5:** 465–84.—**Onoda, T.** Rikugun ni okeru kenpei taisaku no zituzyō [Actual conditions as the result of health measures in the army] Senzi igaku, 1944, **1:** 78.—**Seleskeridi, I. G.** [Hygienic measures for armies during rest] Feldsher, Moskva, 1938, 45–50.—**Smirnov, E. I.** [Mesures sanitaires à prendre en temps de campagne dans la guerre contemporaine] Khirurgia, Moskva, 1940, No. 11, 14–21.

HYMENOLEPIS.

See under **Helminthosis.**

HYPERTENSION.

See also **Blood pressure; World War II,** Leningrad siege.

Jacquot, J. *Hypertension artérielle permanente; imputabilité et aptitude au service militaire. 72p. 8° Lyon, 1936.

Allen, E. V. Hypertension. Mil. Surgeon, 1939, **85:** 60.—**Audier.** Considérations sur quelques cas d'hypertension artérielle chez de jeunes soldats. Marseille méd., 1941, **78:** pt 1, 43.—**Bersemenovsky, V. I.** Kharakteristika poraženij nervnoj sistemy pri hipertonićeskoj bolezni. Voen. morsk. med. sborn., 1945, **4:** 64–72.—**Buck, R. W.** Significance of mild and transient elevations of blood pressure. Bull. N. England M. Center, 1944, **6:** 73–5.—**Chernavina, L. F.** Hipertonićeskie sostojanija oficerskogo sostava KBF. Voen. morsk. med. sborn., 1945, **4:** 47–52.—**Dvizhkov, P. P.** Patologo-anatomićeskaja kharakteristika hipertonićeskoj bolezni poslevoennogo perioda. Ref. nauch. rabot, Moskva, 1949, klin. nauki, No. 6, 34.—**Essential** hypertension. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, June, 6.—**Froment, R., & Kohler, C.** L'hypertension artérielle satellite des états d'hyperexcitabilité sympathique; importance de sa connaissance pour l'appréciation de l'aptitude militaire. Paris méd., 1940, **115:** 230–2.—**Helstein, E. M.** [Clinical peculiarities of hypertonic disease under wartime conditions] Klin. med., Moskva, 1943, **21:** No. 12, 10–23.—**Hines, E. A., jr.** Hypertension in military service. J. Am. M. Ass., 1944, **124:** 667.—**Kotelnikov, K. I.** O lećenii hipertonićeskoj bolezni injekciami destillirovannoj vody i novokaina. Voen. morsk. med. sborn., 1945, **4:** 90–8.—**Lang, G.** Hipertonia. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1239–53.—**Lee, R. I.** The significance and course of borderline abnormalities of blood pressure. Army M. Bull., 1942, No. 61, 88–102.—**McFarland, M. D.** Hypertension in an Army General Hospital. Mil. Surgeon, 1945, **97:** 209–15.—**Master, A. M.** Cardiovascular problems in the war; hypertension and the Navy. Bull. N. York Acad. M., 1943, **19:** 704–12. Also Pittsburgh M. Bull., 1943, **32:** 672–4. Also U. S. Nav. M. Bull., 1943, **41:** 52–6.—**Mjasnikov, A. L.** Patogenez hipertonii. Voen. morsk. med. sborn., 1945, **4:** 4–16.—**Page, I. H.** The nature of arterial hypertension. Bull. U. S. Army M. Dep., 1948, **8:** 367–72. ——— High blood pressure. Sc. Am., N. Y., 1948, **179:** No. 2, 44–7.—**Pasqualini, R. Q.** Comentarios sobre la hipertension arterial. Rev. san. mil., B. Air., 1940, **39:** 136–52.—**Perkovskaia, V. L.** Nekotorye biokhimićeskie issledovanija krovi u hipertonikov. Voen. morsk. med. sborn., 1945, **4:** 80–90.—**Rosenblum, M. S.** Medical aspects of hypertension. Bol. As. méd. Puerto Rico, 1944, **36:** 245–53.—**Rossiisky, D. M.** Otećestvennye farmakoterapevtićeskie preparaty pri lećenii hipertonićeskoj bolezni. Voen. morsk. med. sborn., 1945, **4:** 25–9.—**Smagin, G. A.** K voprosu o lećenii hipertonićeskoj bolezni. Ibid., 35–47.—**Smalley, R. E.** Symptoms and management of arterial hypertension among naval personnel. U. S. Nav. M. Bull., 1947, **47:** 287–96.—**Sturm, A., & Hertlein, T.** Zur Frage der Hypertonie im Militärdienst. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 129 (Abstr.)—**Titov, I. G.** Izmenenie glaznogo dna pri hipertonićeskoj bolezni. Voen. morsk. med. sborn., 1945, **4:** 56–64.—**Tourneux, J. P.** L'hypertension artérielle chez les amputés de guerre. Concours méd., 1946, **68:** 1351.—**Vishnevsky, P. E.** O sostojanii psikhiki u hipertonikov. Voen. morsk. med. sborn., 1945, **4:** 73–80.—**Weil, S. S.** Ob osobennostjakh poraženij nervnoj sistemy, serdca i poćek u pogibajuśćikh ot hipertonićeskoj bolezni v molodom vozraste. Ibid., 16–25.

HYPERVENTILATION.

See also **Altitude,** Aeroembolism: Prevention.

Blinn, K. A., & Noell, W. K. The development of a method for continuous recording of alveolar carbon dioxide tension during the hyperventilation test in routine EEG work. 14p. 26cm. Randolph Field, 1949.

Forms Proj. No. 21-02-068, U. S. Air Force School Aviat. M.

Rushmer, R. F., & Bond, D. D. Hyperventilation in flying personnel. 5p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 162, U. S. Air Force School Aviat. M.

HYPNOSIS.

Dribben, I. S. Psychosis following amateur hypnosis; a case report. Mil. Surgeon, 1949, **104:** 136.—**Schneck, J. M.** A clinical note on electrocardiography under hypnosis. Ibid., 1947, **100:** 65.

HYPOTENSION.

See with **Aviator,** Cardiovascular system.

HYPOTHERMIA.

See under **Cold exposure.**

HYPOXIA.

See **Anoxia.**

HYSTERIA.

See also such terms as **Blind; Deafness; Psychoneurosis; War neurosis; War psychosis.**

Funaioli, G. Isterismo e epilessia nei militari; contributo allo studio delle due nevrosi considerate specialmente dal punto di vista medico-legale militare. 74p. 8° Siena, 1905.

Anderson, E. W. Hysteria in war-time. J. R. Nav. M. Serv., 1941, **27:** 141–9.—**Aronovich, G. D.** [Military medical examination of hystero-traumatic deafness] Voen. san. delo, 1943, 34–6.—**Backus, P. L.** Treatment of war hysteria and neurosis. Brit. M. J., 1940, **1:** 788.—**Blyth, W.** Pseudocyesis simulated in a male. Ibid., 1943, **2:** 137.—**Bolin, N. V.** Hysteria of pronounced conversion type, with prompt improvement from treatment. Med. Bull. Veterans Admin., 1942–43, **19:** 103.—**Bonhoeffer.** Ueber Fälle von hysterischer Granatexplosionslähmung. Berl. klin. Wschr., 1915, **52:** 166–8.—**Borellini, A.** Hysterische Symptome bei Kriegsverletzten. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 133 (Abstr.)—**Brown, W., & Dillon, F.** Treatment of war hysteria and neurosis Brit. M. J, 1940, **1:** 868.—**Buzoianu, G.** Les surdités hystéro-traumatiques de guerre. Acta otolar., Stockh., 1944, **32:** 253–62.—**Davidenkov, S. N.** Nevrozy; isteria. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **26:** 55–91.—**Davis, D. B., & Bick, J. W.** Hysteria in military personnel. Bull. U. S. Army M. Dep., 1946, **6:** 82–5.—**Edelstein, A.** Isteria. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1036–9.—**Ferenczi, S.** Ueber zwei Typen der Kriegshysterie. In his Bausteine z. Psychoanal., Lpz., 1927, **3:** 58–79.—**Guillain, G., & Barré, A.** Les troubles des réactions pupillaires dans les commotions par éclatement de gros projectiles sans plaie extérieure. Bull. Acad. med., Par., 1917, 3. ser., **78:** 158. Also Rev. gén. clin. thér., 1917, **31:** 559.—**Hurst, A.** Hysterical contractures following injuries in war. Clin. J., Lond., 1941, **70:** 29–40. Also Lancet, Lond., 1940, **2:** 164. ——— Hysterical symptoms in soldiers. In his Med. Dis. War, 3. ed.,

Lond., 1943, 5–12. ——— Hysterical paralysis. Ibid., 13–9. ——— Hysterical contractures. Ibid., 20–43. ——— Rheumatism, sciatica, and hysterical postures and gaits. Ibid., 44–55. ——— Hysterical fits. Ibid., 59–62. ——— Hysterical hiccup. Ibid., 76. ——— Hysterical idioglossia. Ibid., 77. ——— Exaggerated flinch and jump reflexes; hyperacousis. Ibid., 90–2. ——— Hysterical gastric symptoms. Ibid., 187–90. ——— **Crichton-Miller, H.** [et al.] Treatment of war hysteria and neurosis. Brit. M. J., 1940, **1**: 499.—**Hysterical** contracture in war. Ibid., 1941, **1**: 717.—**Hysterical** contractures following war injuries. Brit. J. Phys. M., 1940, n. ser., **3**: 171–3. Also Brit. M. J., 1940, **2**: 202–4 Also J. Am. M. Ass., 1940, **115**: 1113.—**Joltrain, E.** Camptocormie et paraplégie consécutives à un ensevelissement par éclatement d'obus; considérations sur l'action du choc émotif. Bull. Soc. méd. hôp. Paris, 1917, 3. ser., **41**: 431–6.—**Kulikovsky, G. G.** [The detection, treatment and examination of hysterotraumatic wartime disorders of hearing, voice and speech] Voen. san. delo, 1943, No. 2, 29–34.—**Lefebvre.** A propos de quelques cas d'hystérie avec guérison. Arch. Serv. san. Armée belge, 1947, **100**: 257–61.—**Levin, M.** Hysteria as a device to prolong hospitalization and evade military duty. War Med., Chic., 1945, **8**: 16.—**Lortat-Jacob & Hallez, G. L.** Syndrome oculo-sympathique de Claude Bernard-Horner, consécutif à une commotion par éclatement d'obus sans plaie extérieure. Bull. Soc. méd. hôp. Paris, 1918, 3. ser., **42**: 311–4.—**Manceaux, A., Bardenat, C., & Susini, R.** L'hystérie chez l'indigène algérien; quelques aspects de ses manifestations en milieu militaire. Ann. méd. psychol., Par., 1947, **105**: pt 2, 1–34.—**Mauclaire, P.** Troubles moteurs d'origine psychique chez les blessés militaires. Bull. Soc. chir. Paris, 1914, n. ser., **40**: 1290.—**Meister, F. O., & Conrad, S. W.** Deep amytal narcosis in the diagnosis of hysteria. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 40–5.—**Meyer, M.** Die Behandlungsmethoden hysterischer Bewegungsstörungen bei Kriegsneurosen. Ther. Monatsh., Berl., 1917, **31**: 250–9.—**Morris, D. P.** Intravenous barbiturates; an aid in the diagnosis and treatment of conversion hysteria and malingering. Mil. Surgeon, 1945, **96**: 509–13.—**Panse.** Hysterie, Simulation, unter besonderer Berücksichtigung der psychogenen Ueberlagerungen bei organischen Schädigungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 217–9.—**Pienkowski, E.** Pathogénie des phénomènes hystériques (surtout motrices) dans les psychonévroses de guerre au point de vue de la biologie. Congr. internat. méd. pharm. mil., 1931, 6. Congr., **2**: 140–3.—**Popov, E. A.** [Treatment of certain states of war hysteria with etherization] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 414–6.—**Rehm, O.** Hysterie und Nervenshock; Untersuchungen über Blutdruck, Puls und psychische Arbeitsleistung. Zschr. ges. Neur. Psychiat., 1918, **42**: 89–98.—**Roussy, G.** A propos de quelques troubles nerveux psychiques observés à l'occasion de la guerre. Rev. neur., Par., 1914, **22**: 425–30.—**Stockings, G. T.** The syndrome of hystero-encephalopathy in military psychiatric casualties. J. Ment. Sc., Lond., 1945, **91**: 104–9.—**Thompson, S. E.** Case of psychopathic swelling in right hand and other disturbances. Ontario J. Neuropsychiat., 1922, No. 2, 43–5.—**Ury, B. S.** Hysteria, with symptoms referable to war experience; report of a case. Arch. Neur. Psychiat., Chic., 1943, **50**: 612–5.—**Wadsworth, G. L., & Rath, O.** Treatment of hysteria in a forward echelon. Bull. U. S. Army M. Dep., 1946, **5**: 193–8.—**Wales, W. T.** Psychoneuroses in war, with particular reference to hysteria. Proc. Cardiff M. Soc., 1940–41, 60–2.—**Wright, F. L.** Conversion hysteria with favorable outcome. Med. Bull. Veterans Admin., 1943–44, **20**: 433.

—— Blindness.

Aznárez. Amaurosis histérica bilateral. Rev. españ. med. cir. guerra, 1943, No. 53, 83–8.—**Halpern, H. J.** Hysterical amblyopia; report of cases. Bull. U. S. Army M. Dep., 1944, No. 72, 84–7.—**Hurst, A. F.** Functional disorders of vision; hysterical blindness. In his Med. Dis. War, 3. ed., Lond., 1943, 93–106.—**Jordano Barea, J.** Amaurosis total histérica recidivante de ambos ojos. Rev. españ. med. cir. guerra, 1941, **6**: 113–22.—**Mahoney, V. P., & Linhart, W. O.** Amblyopia in hysteria; report of 13 cases. War Med., Chic., 1943, **3**: 503–7.—**Minakawa, H.** Hysterie-sei gansyō rei [Case of hysterical eye-disease] Gun idan zassi, 1930, No. 202, 327–30.—**Russell, W. R.** The detection of hysterical blindness of one eye. J. R. Army M. Corps, 1941, **77**: 151.—**Ruzo, G.** Amaurosis histérica. Rev. san. mil., B. Air., 1944, **43**: 23.—**Tarducci, M.** Un case di ambliopia isterica bilaterale. Gior. med. mil., 1942, **90**: 31–43.

ICE cream.

See also **Food.**

Sutton, C. F. Ice cream. Med. Bull. Medit. Theater U. S., 1945, **3**: 148.—**Van Auken, H. A.** Rules for the manufacture of ice cream; the Allied Hygiene Committee, Calcutta, October 1945. In: Prev. Med. in World War II, Wash., 1948, **4**: Suppl., 38–41.

ICELAND.

See **World War II.**

ICTERUS.

See also **Hepatitis; Liver.**

Bernier, Molinier & Tabusse. Ictère grave post-arsénicobismuthique à évolution cirrhogène. Bull. Soc. méd. mil. fr., 1947, **41**: 32–5.—**Cameron, J. A. M.** Alcholuric family jaundice. J. R. Army M. Corps, 1949, **92**: 151.—**Crosby, W. H.** Benign retention jaundice; the mechanism of the intermittent jaundice in constitutional hepatic dysfunction; with report of a case. Mil. Surgeon, 1949, **105**: 139–44.—**Gordon, J. E.** Jaundice among troops returning from Africa and Sicily. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 3, Sect. 6, 10–5.—**Jaundice** during antisyphilitic treatment. Bull. Army M. Dir., Lond., 1941, No. 7, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 60.—**Jaundice** rampage. Time, 1942, **40**: No. 5, 57.—**McEwen, E. J.** Non-surgical jaundice. Q. Bull. Indiana Univ. M. Center, 1942, **4**: 99–101.—**Miasnikov, A., & Viskovsky, S.** Zheltukha (icterus) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 631–41.—**Post-vaccination** jaundice. Mil. Surgeon, 1943, **93**: 383.—**Ralph, W. D.** Jaundice; an unusual case. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 5, 11–4.—**Rogers, J. A.** Jaundice. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 26.—**Silva, S. da M.** Ictericia ou adipoxantose? Rev. mil. med. vet., Rio, 1939, **2**: 1517.—**Smith, G. T., & Drake, E. H.** Hemolytic icterus in a Negro male with special reference to the differential diagnosis from bubonic plague; a case report. Mil. Surgeon, 1944, **95**: 270–2.—**Tanon.** Icterus in the Army. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 951–4.

IDENTIFICATION.

See also **Dead; Flight personnel;** also following heading.

Daunt, R. G. Breves aspectos da dactiloscopia a serviço das classes armadas. Arq. polfc. civ., S. Paulo, 1944, **8**: pt 2, 289–92.—**Jeffreys, F. E.** Identification by means of dentures. U. S. Nav. M. Bull., 1944, **42**: 194–5.—**Simonin.** Identification des corps des soldats américains inconnus. Acta med. leg. social., Brux., 1948, **1**: 382–6.—**Snow, C. E.** The processing of the Pacific unknown war dead. Am. J. Phys. Anthrop., 1948, **6**: 245. ——— The identification of the unknown war dead. Ibid., 323–8.

IDENTIFICATION tag.

See also **Blood group,** Recording.

Forwood, W. H. Remarks upon the proper form and the advantages of a diagnosis tag for use among the sick and wounded in the battlefield. Proc. Ass. Mil. Surg. U. S. (1895) 1896, **5**: 456–60.—**Gordon, J. E.** Identification tags. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 10, 9.—**Hoche, H. E.** Making dogtags. Hosp. Corps Q., 1945, **18**: 69.—**Ličnyj znak.** In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 564.—**Lubián y Arias, R.** El gabinete de identificación militar. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 191–203.—**Marcus, C. E.** Use of new identity tag. Hosp. Corps Q., 1943, **16**: No. 4, 93.—**Matignon, J.** Le sifflet-plaque d'identité. Caducée, 1905, **5**: 12.—**Powell, C. P., & Wallace, D. E.** Modified technique in making durable identification tags in the shortest time. Hosp. Corps Q., 1943, **16**: No. 3, 129–31.—**Reygadas Pasalagua, J., Alvarez B. R., & Pucheu, C.** Proyecto de ficha signalética odontológica militar. Rev. méd. mil., Méx., 1939, **2**: No. 9, 43–51.—**Sheridan, T. P., Marcus, C. E., & Bailey, L. M.** A new identification tag.] Hosp. Corps Q 1943, **16**: No. 4, 92.

IDEOLOGY.

See under **Psychological warfare.**

ILEITIS.

See under **Ileum.**

ILEUM.

See also **Digestive system; Enteritis; Gastroenteritis; Gastrointestinal tract.**

Bormioli, M. Ferita da scheggia di bomba in corrispondenza della regione mesogastrica sinistra con vaste perforazioni multiple di un'ansa ileale; resezione; guarigione. Ann. med. nav., Roma, 1947, **52**: 95.—**Kâmil Sokullu, A., & Cemal User, M.** Ileumda lenfosarkom hasebile ileoçekal rezeksiyon. Askeri sihhiye mecmuasi, 1944, **73**: No. 42, 20–4.—**Keels, L. B.** Gangrenous ileocolic intussusception; a case report. Mil. Surgeon, 1945, **96**: 520–2.—**Ohsima, K.** Kaityō-heki yori hassei-seru nikusyu ni yoru kaityō kaityō-kettyō zyūtyō-syō no tiken rei [Case of radical cure of ileal and ileocolic intussusception caused by sarcoma that developed in the wall of the ileum] Gun idan zassi, 1929, No. 187, 159–63.—**Stratton, V. C.** Hemangioma of the ileum; review of the literature and report of a case. U. S. Nav. M. Bull., 1949, **49**: 1151–4.—**Zaffiro, E.** Occlusione intestinale acuta da annodamento tra ileo e sigma. Gior. med. mil., 1948, **95**: 503–9.

—— Meckel's diverticulum.

Campbell, R. E., Churney, O. L., & Botsford, T. W. Recurrent intussusception caused by Meckel's diverticulum. Bull. U. S. Army M. Dep., 1949, **9:** 750–4.—**Carlson, G. D.** Meckel's diverticulum; preoperative roentgen diagnosis. Mil. Surgeon, 1944, **95:** 272–4.—**Cuono, J. D.** Meckel's diverticulum; report of a case. U. S. Nav. M. Bull., 1945, **45:** 339–41.—**Jasper, W. S.** Perforated peptic ulcer in a Meckel's diverticulum. Bull. U. S. Army M. Dep., 1948, **8:** 554–8.—**Lowe, E. S.** Traumatic rupture of the mesentery of a Meckel's diverticulum; report of a case. U. S. Nav. M. Bull., 1948, **48:** 467–70.—**Shepherd, J. A.** Meckel's diverticulum; incarceration in an inguinal hernia. J. R. Nav. M. Serv., 1946, **32:** 44–6.—**Strunk, G.** Beitrag zur Klinik des Meckelschen Divertikels. Deut. Militärarzt, 1942, **7:** 529–32.—**Wenger, D. S.** Perforated Meckel's diverticulum. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2:** No. 2, 4–7.—**Zaffiro, E.** Ernia inguinoscrotale destra irreducible di due diverticoli del tratto terminale del tenue di cui uno costituito dal diverticolo di Meckel. Gior. med. mil. 1947, **94:** 151–6.

—— Regional ileitis.

Coode, C. D. A case of regional ileitis (Crohn's disease) with discussion. J. R. Nav. M. Serv., 1947, **33:** 111–5.—**Dickinson, E. H., & Zimmerman, L. M.** Acute bowel obstruction secondary to regional enteritis; report of a case. U. S. Nav. M. Bull., 1945, **44:** 835–40.—**Duncan, J. A.** Regional enteritis in the naval service; with report of cases. Ibid., 1944, **42:** 683–7.—**Estrem, R. D.** Regional enteritis. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, **3:** 55–72.—**Fraser, I., & Haggar, H.** Crohn's disease. J. R. Army M. Corps, 1945, **84:** 9–13.—**Glenn, F.** Surgical management of regional ileocolitis. Bull. U. S. Army M. Dep., 1948, **8:** 485–8.—**Hardaway, R. M.** A case of regional enteritis. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 7, 11–4. Also Mil. Surgeon, 1949, **104:** 259–64.—**Marcos, H. A.** Un caso de ileitis. Rev. san. mil., Habana, 1943, **7:** 21–6.—**Martello, E. C., & Pérez, B.** Enteritis segmentaria. Rev. san. mil., B. Air., 1940, **39:** 588–603.—**Maxwell, J. A.** An unusual case of regional ileitis. J. R. Nav. M. Serv., 1941, **27:** 67–9.—**Montgomery, A. E., Patrick, G. T.** [et al.] [Regional ileitis with peritonitis] Bull. U. S. Army M. Dep., 1949, **9:** 934–42.—**Olguín, V. V., & Celaya, M.** El papel de la enfermedad de Crohn en la patologia abdominal. Rev. san. mil., B. Air., 1940, **39:** 611–21.—**Páramo Cánovas, R. de.** Ileítis regional. Med. & cir. guerra, 1948, **10:** 199–209.—**Percival, R. C.** Regional enteritis. J. R. Nav. M. Serv., 1945, **31:** 85–91.—**Phillips, R. B.** The diagnosis and treatment of regional enteritis. Mil. Surgeon, 1941, **89:** 755–60.—**Quadros, M. de.** Ileítis regionales; nota clínica quirúrgica. Med. & cir. guerra, 1948, **10:** 511.

ILEUS.

DeWitt, W. F., Morrissey, P. G., jr, & Failla, S. D. Obstruction of the small intestine from a primary calculus. Mil. Surgeon, 1943, **92:** 34–7.—**Hibbard, J. S.** Treatment of intestinal obstruction in the field and aboard ship. U. S. Nav. M. Bull., 1945, **44:** 87–91.—**Stein, H. D.** Rapid method for passage of Miller-Abbott tube in field hospitals. Bull. U. S. Army M. Dep., 1945, **4:** 486–8.—**Stout, G.** Postoperative ileus. U. S. Nav. M. Bull., 1943, **41:** 56–68.—**Suzuki, K.** Camphor-ęki no zyōmyaku-nai tyūsya ni tuite [Intravenous injections of camphor solution in ileus] Gun idan zassi, 1924, No. 129, 96.—**Serebrenikov, L. V.** Bélelzáródás, mint háborús trauma szövődménye. Honvédorvos, 1950, **2:** 447 (Abstr.)—**Tomlinson, W. L.** Problems in surgery on a destroyer; case report of acute intestinal obstruction. U. S. Nav. M. Bull., 1945, **45:** 977–81.

ILLITERACY.

Altus, W. D. The adjustment of Army illiterates. Psychol. Bull., 1945, **42:** 461–76. ——— & **Clark, J. H.** Some sectional differences among Negro and white illiterate soldiers. J. Social Psychol., 1949, **30:** 97–104.—**Kaplan, N.** Salvaging illiterates in the Army. Occupations, 1944–45, **23:** 74–6.—**Wall, W. D.** Reading backwardness among men in the Army. Brit. J. Educ. Psychol., 1945, **15:** 28–40.

ILLUMINATION.

See also **Aircraft; Blackout,** Lighting; **Hospital construction,** Lighting.

Bellecci, P. Osservazioni sulla telemetria notturna di sorgenti luminose emettenti radiazioni di differente lunghezza d'onda. Ann. med. nav., Roma, 1946, **51:** 323–32.—**Colenbrander, M. C.** Das Verdunkeln von Wohnhäusern. Ophthalmologica, Basel, 1940, **100:** 373.—**Ferree, C. E., & Rand, G.** Eye as a factor in wartime lighting. Arch. Ophth., Chic., 1943, **29:** 461–78. Also J. Gen. Psychol., 1943, **29:** 281–302.—**Ilina, S.** [Function of the eye in conditions of poor lighting] Voen. san. delo, 1937, No. 7, 11–20.—**Lawrence, P. A.** Wartime lighting and industrial hygiene. Illum. Engin., Balt., 1943, **38:** 448.—**Ley, E. B.** Study of illumination. Ibid., 1944, **39:** 501–5.—**Minne, A. van der.** De kunstmatige hoogtezon. Mil. gencesk. tschr., 1917, **21:** 70–81.—**Sturrock, W.** Acceptance of I. E. S. footcandle standards for the war effort. Illum. Engin., Balt., 1944, **39:** 610–4.—**Sykes, H. L., jr.** Lighting a war plant. Ibid., 1943, **38:** 378–81.

ILLUSION.

See also **Acceleration; Centrifugal force; Flying.**

Clark, B., Graybiel, A., & MacCorquodale, K. The illusory perception of movement caused by angular acceleration and by centrifugal force during flight; visually perceived movement of a fixed target during turns. 17 l. 27cm. Pensacola, 1946.

Forms Rep. No. 8, Res. Proj. X-148 (Av-4-3) U. S. Naval School Aviat. M.

—— [The same] ... habituation and technique of assuming the turn as factors in illusory perception. 13 l. 27cm. Pensacola, 1946.

Forms Rep. No. 11, Res. Proj. X-148 (Av-4-3) U. S. Naval School Aviat. M.

—— [The same] ... illusory rotation of a target during turns. 14 l. 26½cm. Pensacola, 1946.

Forms Rep. No. 16, Proj. No. X-148, Res. Rep. U. S. Nav. School Aviat. M.

Clark, B., & MacCorquodale, K. The effects of repeated rotary acceleration on the oculogyral illusion. 17 l. 27cm. Pensacola, 1948.

Forms Rep. No. 20, Res. Proj. X-148 (Av-4-3) U. S. Naval School Aviat. M.

Vinacke, W. E. Illusions experienced by aircraft pilots while flying [34] l. 26½cm. Pensacola, 1946.

Forms Rep. No. 9, Proj. No. X-148, Res. Rep. U. S. Nav. School Aviat. M.

Also in J. Aviat. M., 1947, **18:** 308–25.

Autokinetic (The) illusion. News Lett. R. Nav. Air M. School, 1947, No. 3, 7–12.—**Autokinetic** (The) illusion and its significance in night flying. Gen. M. Interest Lett., Ottawa, 1945, No. 13, 3–5.—**Grether, W. F., Cowles, J. T., & Jones, R. E.** The effect of prolonged anoxia produced by a pressure altitude of 10,000 feet upon two visual illusions. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 19, 25s–5.—**Sensory** illusions in flight. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 5, 3–8.

ILLUSTRATION [medical]

See also **Museum; Photography.**

United States. Veterans Administration. Technical bulletin TB 10A–98: Monthly Report of Medical Illustration Laboratory Activities. 6p. 27cm. Wash., 1947.

Stringer, J. R., jr. Medical illustration. U. S. Nav. M. Bull., 1944, **43:** 970–3.

IMMERSION blast.

See also **Explosion; Injury,** Blast; **Injury,** Concussion.

Auster, L. S., & Willard, J. H. Hydraulic abdominal concussion; the syndrome of intra-abdominal underwater blast injury. J. Am. M. Ass., 1943, **121:** 995–9.—**Cameron, G. R., Short, R. H. D., & Wakeley, C. P. G.** Abdominal injuries due to underwater explosion. Brit. J. Surg., 1943–44, **31:** 51–66.—**Clemedson, C. J.** Om undervattensdetonationsskador. Tskr. mil. hälsov., 1948, **73:** 1–34.—**Ecklund, A. M.** The pathology of immersion blast injuries. U. S. Nav. M. Bull., 1943, **41:** 19–26, 2 pl.—**Gage, E. L.** Immersion blast injury; clinical experiences. Ibid., 1945, **44:** 225–31.—**Gates, R.** Roentgen findings in immersion blast injuries. Ibid., 1943, **41:** 12–9, 4 pl.—**Gill, W. G., & Hay, C. P.** A clinical study of injuries of the abdomen due to underwater explosion. Brit. J. Surg., 1943–44, **31:** 67–73.—**Gouze, F. J., & Hayter, R.** Air embolism in immersion blast. U. S. Nav. M. Bull., 1944, **43:** 871–7.—**Hamlin, H.** Neurological observations on immersion blast injuries. Ibid., 1943, **41:** 26–32.—**Immersion** blast. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 3, 16.—**Immersion** blast injuries. Bumed News Lett., Wash., 1944, **3:** No. 13, 19–21.—**Jacobs, R. G.** Intra-abdominal injuries from depth charge blasts. U. S. Nav. M. Bull., 1943, **41:** 816–8.—**Kark, W.** Underwater blast injury of the abdomen. J. R. Army M. Corps, 1946, **86:** 64–8.—**Keating, C.** Immersion blast injuries of the abdomen. Med. J. Australia, 1945, **2:** 207–9.—**Lloyd-Williams, I. H.** Notes on an unusual bathing fatality. J. R. Army M. Corps, 1945, **84:** 39.—**McMullin, J. J. A.** Foreword to symposium on immersion blast injuries. U. S. Nav. M. Bull., 1943, **41:** 1.—**Melvin, J.** Underwater blast injuries of the abdomen. Brit. M. J., 1945, **1:** 24.—**Moore, T.** Underwater blast injuries of the abdomen. Ibid., 1944, **2:** 626.—**Palma,**

J., & **Uldall, J. J.** Immersion blast injuries. U. S. Nav. M. Bull., 1943, **41**: 3–8.—**Pinnock, D. D., & Wood, P.** Blast injury to the abdomen by depth charge. Brit. M. J., 1943, **1**: 537–9.—**Pugh, H. L.** Surgical report on immersion blast injuries. U. S. Nav. M. Bull., 1943, **41**: 9–12.—**Rose, T. F., & Watson, D.** Blast effects complicating abdominal injuries. Med. J. Australia, 1945, **2**: 501.—**Webster, D. R., Ross, A. S., & Alford, E. L.** Immersion blast injuries of the abdomen. Canad. M. Ass. J., 1943, **49**: 1–4.—**Williams, E. P. P.** Problems and treatment of immersion blast in the British Navy. War Med., Chic., 1944, **6**: 296–9. Also J. Canad. M. Serv., 1944–45, **2**: 666–71. Also S. Afr. M. J., 1945, **19**: 169–71.—**Yaguda, A.** Pathology of immersion blast injury. U. S. Nav. M. Bull., 1945, **44**: 232–40.

IMMERSION foot.

See **Cold injury,** Immersion foot; **Foot,** Disease; **Frostbite.**

IMMERSION in fluid.

See under **Acceleration;** also **Centrifugal force,** Tolerance.

IMMERSION in water.

See also under **Cold exposure.**

Waltz, G., & Werz, R. von. Research on effect of immersion and recovery. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 61–3.

IMMERSION suit.

See **Cold exposure,** Protection.

IMMOBILIZATION.

See **Fracture,** Transportation; **Surgical technic,** Immobilization.

IMMUNE serum.

See also under names of infectious diseases.

Itoiz, J. E. Técnica sencilla para la preparación de plasma de convalecientes. Rev. san. mil., B. Air., 1943, **42**: 265–9.—**Pedrosa, E.** Preparaçao do sôro anti-gangrenoso no Instituto de biologia do Exército; rcaçao de Nagler; antígcnos incorporados à lanolina. Arq. Inst. biol. exerc., Rio, 1946, **7**: 147–59.—**Rambar, A. C.** Convalescent serum and pooled plasma in communicable diseases. U. S. Nav. M. Bull., 1946, **46**: 93–6.—**Resta, C. A.** Preparación de sucros desecados de convalecientes. Rev. san. mil., B. Air., 1945, **44**: 105; 243.—**Rozhdestvensky, V.** Syvorotki immunnye. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 397–403.—**Sabri Ersoy, Hayri Selçuk & Turan Atakan.** Dondurulmuş serumlarda immünizan kudret üzerinde denemeler. Askeri vet. mecmuasi, 1945, **23**: No. 158, 1–4.—**Stora, E. E.** Stabilisation des sérums; applications thérapeutiques des sérums humains stabilisés. Rev. Corps san. mil., Par., 1946, **2**: 569–84.

IMMUNITY.

See also subsequent headings.

Castañedo, J. A. Resistencia e inmunidad. Rev. san. mil., Habana, 1943, **7**: 110.—**Cellular** aspect of immunity. U. S. Nav. M. Bull., 1945, **45**: 365.—**Cheever, F. S.** A Schick survey of 18,000 naval recruits. Am. J. Pub. Health, 1948, **38**: 374–7.—**Garrard, W. D., & Kalmanson, G. M.** The effect of the anoxia produced at high altitude on infection and immunity. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 34.—**Schiavone, E. L.** La inmunidad en la práctica bacteriológica. Rev. san. mil., B. Air., 1946, **45**: 262; 390.—**Troicky, V.** Immunitet. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 888–95.

IMMUNIZATION.

See also **Air travel; Epidemic; Vaccination;** also names of infectious diseases as **Diphtheria; Tetanus; Typhoid** etc.

United States. Army Epidemiological Board. Commission on Immunization. Annual report of the Commission on Immunization. Wash., 1 (1947/48) 1948–

—— Quarterly progress report. Wash., No. 6, 1948–

United States. Navy. Bureau of Medicine and Surgery. Prophylactic immunizations required in the United States Navy. 6p. 23cm. Wash., 1945.

United States. War Department. Army Regulations No. 40–215; Medical Department: The prevention of the communicable diseases of man; immunization. 11p. 8°. Wash., 1925.

—— [The same] Changes No. 1. 1p. 8°. Wash., 1926.

—— [The same] Changes No. 2. 2p. 8°. Wash., 1927.

—— Technical bulletin TB MED 114: Immunization. 15p. 26cm. Wash., 1944.

—— [The same] Change 1. 2p. 26cm. Wash., 1949.

C., T. J. Prophylactic immunizations, required in the United States Navy. Bumed News Lett., Wash., 1945, **1**: No. 4, 10–5.—**Dos Santos Bessa, J.** Progressos da imunizaçao activa no último decénio. Bol. Dir. serv. saúde mil., 1939, 387–427.—**Frawley, T. F.** An immunization program. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: No. 3, 32–40.—**Galbreath, E. C.** Muster roll as a record of inoculations. Hosp. Corps Q., 1944, **17**: No. 5, 91.—**Hetsch, H.** Infektionskrankheiten; allegemeines über Schutzimpfung und Serumtherapie. In: Wehrhygiene (Handloser, S.) Berl., 1944, 4–7.—**Hungate, C. P.** Imunização e profilaxia das forças armadas norte-americanas. An. enferm., S. Paulo, 1947, **16**: 64–6.—**Immunization.** Bull. U. S. Army M. Dep., 1945, **4**: 328–30. Also in Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 9, No. 8, 1. Also Med. Bull. U. S. First Army, 1947, **2**: No. 5, 4–9.—**Immunization** measures in the Royal Canadian Air Force. Canad. M. Ass. J., 1943, **48**: 543.—**Immunizations** applicable to infants and children. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **4**: No. 3, 22–4.—**Inoculation** before embarkation. Bull. Army M. Dep., Lond., 1942, No. 17, 6. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 51.—**Inoculations** and abstinence from alcohol. Bull. Army M. Dep., Lond., 1944. No. 41, 3.—**Kaplan, H., & Landau, F. L.** Immunization reaction as a result of egg sensitivity. Air Surgeon Bull., 1945, **2**: 414.—**Long, A. P.** Immunizations in the United States Army. Am. J. Pub. Health, 1944, **34**: 27–33.—**Morgan, C. V.** Immunizations and immunizing agents. Med. Bull. Europ. Command, 1949, **6**: No. 4, 50.—**Oliveira Ramos, J.** Imunização da fôrca expedicionária brasileira. Med. cir. farm., Rio, 1944, 566–73.—**Prophylactic** immunizations. Hosp. Corps Q., 1948, **21**: 11–4.—**Required** immunizations; the present required prophylactic immunizations for personnel of the Navy and Marine Corps are briefly summarized. Ibid., 1944, **17**: No. 3, 69–72.—**Rogers, J. A.** Immunization. Army M. Bull., 1943, No. 65, 203–15.—**Sellers, A. H.** The new immunization program in the R. C. A. F. Canad. M. Ass. J., 1941, **45**: 318–20.—**Skvorcov, V.** Immunizacija vojsk. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 882–9.—**Sprague, H. B., & Barnard, J. H.** Egg allergy; significance in typhus and yellow fever immunization. U. S. Nav. M. Bull., 1945, **45**: 71–4.—**Van Auken, H. A.** Immunization. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 1–11.

—— combined.

See also **Salmonellasis.**

Dötzer. Ueber die Verträglichkeit einer neuen Tetravaccine gegen Typhus, Paratyphus und Cholera. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 96.—**García Rodríguez, V.** Estado actual de la inmunización antitifoparatífica mediante la vacuna T. A. B. Rev. espaã. med. cir. guerra, 1945, **7**: 413–8.—**Gross.** Ueber die Verträglichkeit eines neuen Typhus-, Paratyphus-A+B-Endogen-Adsorbat-Impfstoffes. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 97–9.—**Richou, R.** Les méthodes modernes d'immunisation basees sur les principes des anatoxines et des substances adjuvantes de l'immunité; les vaccinations simultanées et associées en médecine vétérinaire. Rev. vét. mil., Par., 1948, **3**: 67–82.—**Rogers, J. A.** Vaccination against typhus fever, cholera, and plague. Army M. Bull., 1942, No. 61, 167–9.—**Sohier, R., & Buvat, J. F.** La diphthéric au service des contagieux du Val-de-Grâce avant et après l'emploi dans l'armée de la vaccination associée triple antityphoparatyphoïdique, antidiphtérique, antitétanique. Bull. Soc. méd. mil. fr., 1938, **32**: 415–26.—**Stewart, S. E.** Active immunization of human beings with combined Clostridium perfringens and tetanus toxoids. War Med., Chic., 1943, **3**: 508–11.

—— Methods.

Immunization procedure in the European Theater of Operations [tab.] In: Prev. Med. in World War II, Wash., 1948, **2**: pt 3, Sect. 7, opp. p. 12.—**Piazza, G., Adorni-Braccesi, M., & Furbetta, F.** La via inalatoria nei trattamenti immunitari; ricerche sperimentali su un gruppo di militari vaccinati col T. A. B. Te per via inalatoria. Gior. med. mil., 1941, **89**: 401; 481, tab.—**Técnicas** de inmunización en el Ejército de Estados Unidos. Bol. Of. san. panamer., 1943, **22**: 607–12.—**Young, E. J.** Current immunization procedures of the Canadian Army. Canad. J. Pub. Health, 1948, **39**: 447–50.

—— specific.

See also under names of infectious diseases.

Liger, H. *La vaccination antidiphtérique dans un corps de troupes, 10e Régiment de

Dragons à Montauban. 71p. 23cm. Toulouse, 1933.

Alstead, S. Experiments in diphtheria immunization. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 25.—**Boyd, J. S. K.** Mass immunisation of a force in the field against diphtheria. Lancet, Lond., 1946, 2: 195.—**Criscuolo, E.** Difteria; vacunación intradérmica Rev. san. mil., B. Air., 1945, 44: 852–6.—**Ding.** Ueber das Ergebnis der Prüfung verschiedener Fleckfieber-Vaccinen gegen das klassische Fleckfieber. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 108.—**Diphtheria** susceptibility and immunization. Bull. U. S. Army M. Dep., 1944, No. 76, 104–8.—**Faibich, M. M., & Tamarina, T. S.** Tuljaremijnaja sukhaja živaja vakcina NIIEG Krasnoj Armii. J. mikrob., Moskva, 1946, No. 7, 59; No. 10, 23.—**Gordon, J. E.** Specific immunization. In: Prev. Med. in World War II, Wash., 1948, 2: pt 3, Sect. 7, 1–12, pl., 2 tab.—**Guzmán Barrón, A.** Investigaciones previas a la vacunación antituberculosa en el Ejército. Rev. san. mil., Lima, 1934, 7: 100–12.—**Loza, J. C.** Inmunización contra la difteria. Rev. san. mil., B. Air., 1943, 42: 500–3.—**Meersseman, F., & Hulin, M.** Les enseignements de la vaccination antidiphtérique en milieu militaire. Presse méd., 1940, 48: 589–92.—**Millard, C. K.** B. C. G. vaccination, smallpox vaccination, diphtheria immunisation; a comparison and some comments. Med. Off., Lond., 1950, 83: 87.—**Nauck.** Ueber das Ergebnis der Prüfung verschiedener Fleckfieber-Vaccinen gegenüber nord- und westafrikanischen Fleckfieberformen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 109–11.—**Preventive** medicine; diphtheria. Med. Bull. U. S. First Army, 1948, 3: No. 9, 3–5.—**Ruge.** Experimentelle Versuche über einen neuen Typhusimpfstoff. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 99.—**Schmidt-Burbach.** Adsorbatimpfstoffe gegen Scharlach und Diphtherie. Ibid., 100–8.—**Schulze, H. A.** Schick testing and diphtheria immunization of United States troops in Europe. Am. J. Pub. Health, 1948, 38: 1527–31.—**Sergienko, F. E.** Sukhie fagi, ikh prigotovlenie i primenenie. In: Dost. sovet. med. Otеč. vojny, 1943, 1: 124–31.—**Vaccination** against smallpox. Bull. Army M. Dep., Lond., 1943, Suppl. No. 9, 1–7.—**Vaccination** against typhus and cholera. U. S. Nav. M. Bull., 1942, 40: 728.—**Whayne, T. F.** Influenza vaccination. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 136.

IMMUNIZATION card.

See also **Record.**

Holbrook, H. A. Immunization card index. Hosp. Corps Q., 1949, 22: No. 3, 26.—**Isreall, R. J.** Inoculation cards. Ibid., 1944, 17: No. 2, 44.

IMMUNOLOGY.

See also **Altitude,** Immunological aspect; **Dysentery,** Immunology; **Serology.**

United States. Naval Medical Research Institute. Chemical and physicochemical studies on modified globin prepared from human erythrocytes. 6p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Project X-352, Nav. M. Res. Inst. U. S.

Christian, C. R. Experiments with human agglutinating sera. J. R. Army M. Corps, 1938, 71: 31–8.—**Congresso** (II) di immunologia a Napoli 23. settembre 1942. Gior. med. mil., 1942, 90: 799.—**Figueira Martins, C.** Aglutinação comparativa por soros e plasmas. Arq. brasil. med. nav., 1941, 2: 383–90.—**Keeney.** Preparation of antigenic materials. Res Program U. S. Army Med. Res. Bd, 1946, Oct., 58.—**Quantitative** studies of the antigen-antibody reaction. Ibid., 1948, Jan., 156.—**Safford, V.** Nature's way; military effectiveness. Mil. Surgeon, 1942, 90: 556–63.—**Young, L. E., & Christian, R. M.** Blood and antibodies. Research Rev. (U. S. Navy) 1950, Jan., 14–7.

IMPACT.

See also **Ballistic impact.**

Bierman, H. R. Design of an impact decelerator. 11p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3, Res. Proj. X-630, U. S Nav. M. Inst.

Wurzel, E. M., Polansky, L. J., & Metcalfe, E. E. Measurements of the loads required to break commercial aviation safety belts as an indication of the ability of the human body to withstand high impact forces. 19p. 27cm. Bethesda, 1948.

Forms Rep. No. 12, Proj. NM 001 006 (or, X-630) U. S. Nav. M. Res. Inst.

Bierman, H. R. The protection of the human body from impact forces of fatal magnitude. Mil. Surgeon, 1947, 100: 125–41.—**Design** of an impact decelerator. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 37.—**Distribution** of impact forces on the human through restraining devices. Ibid., 1946, Jan.–June, 25.—**Reactions** of the human to impact forces revealed by high speed motion picture technic. Ibid., 26.

IMPETIGO.

See also **Dermatosis.**

Barber, H. W. Impetigo contagiosa. In: Med. Dis. War (Hurst, A. F.) 3. ed., Lond., 1943, 467–72.—**Brett, W. B.** Treatment of impetigo at a tropical base. U. S. Nav. M. Bull., 1946, 46: 1439.—**Greene, O.** Impetigo contagiosa cured by fever; report of a case. Ibid., 1944, 43: 136.—**Mumford, R. H.** Some aspects of the military problem of impetigo contagiosa. J. R. Army M. Corps, 1943, 80: 328–31.—**Pozyvai, T. T.** Epidemičeskie zabolevanija impetigo. Voen. san. delo, 1941, No. 3, 50–2.—**Treatment** of impetigo contagiosa. Bull. Army M. Dep., Lond., 1943, No. 29, 4–6.

IMPLANT.

See under **Eye,** artificial.

IMPREGNATED clothing.

See under **Clothing.**

IMPRESSION [dental]

See under **Denture.**

INCENDIARY.

See also **Bullet; Burns; Chemical agent; Explosive.**

Anjos, O. dos P. Bombas incendiárias, seus tipos e seus efeitos; agressivos químicos. Rev. quim. farm., Rio, 1943, 8: 39–43.—**Antal, J.** A foszforos bombák által okozott testi sérülések gyógykezelése. Népegészségügy, 1944, 25: 387.—**Ardenne.** Der Bau von Brandbomben-Anzeigevorrichtungen mit Sperrschicht-Photozellen. Gasschutz, 1943, 13: 99–104.—**Building** (The) as a defense against fires from bombs. J. Franklin Inst., 1942, 234: 583–5.—**Carlsohn, H.** Brandbomben. In: Grundl. Luftschutz. (Meyer, J.) 2. Aufl., Lpz., 1942, 33–7.—**Finkelstein, L.** Rheological properties of incendiary gels. J. Phys. Colloid Chem., 1948, 52: 1460–70.—**Gemeinhardt, K.** Der Phosphorgehalt in feindlichen Brandsätzen und seine Gefahren. Deut. Apoth. Ztg, 1945, 60: 13.—**Kayser.** Eine neue Brandbomben-Anzeigevorrichtung. Gasschutz, 1943, 13: 98.—**Mars** glamor girl; incendiaries, long a war Cinderella, play big role in current conflict. Chem. Warf. Bull., 1943–44, 29: No. 6, 13–7.—**Mesures** de défense passive. Rev. internat. Croix Rouge, 1943, 25: 325–8.—**Ouary, G., & Olivier, G.** Une plaie qui fume; plaie par balle incendiaire. Méd. trop., Marseille, 1949, 9: 458–60.—**Peill, B.** Die Bekämpfung von Entstehungsbränden. Gasschutz, 1943, 13: 5–8.—**Rasiah, A. W.** Japanese incendiary bombs and phosphorus burns. J. Ceylon Brit. M. Ass., 1943, 40: 22–4.—**Ritlop, B.** Hozzászólás dr. Antal A foszforos bombák által okozott testi sérülések gyógykezelése c. cikkéhez. Népegészségügy, 1944, 25: 566–8.—**Schmitt.** Feindliche Brandabwurfmunition; Brandbekämpfung durch den Selbstschutz. Gasschutz, 1943, 13: 67–81.—**West, J. A.,** jr. Total fire. Chem. Warf. Bull., 1941, 27: 77–82, illust.

INCINERATOR.

See also **Fecal matter; Garbage.**

Evans, F., & Clay, H. H. A. S. H. minor faeces destructor; small standard permanent type. J. R. Army M. Corps, 1944, 82: 240–5.—**Mansell, R. A.** De excretico comburendo or autoda-fece in the Western Command. Ibid., 76–80.—**Open** grid incinerator, 100 man [plan] In: Prev. Med. in World War II, Wash., 1948, 11: pt 3, Chapt. 19, Exh. B, after p. 46.—**Truitt, R. M.,** jr. Portable garbage incinerators from scrap materials in the field. U. S. Nav. M. Bull., 1945, 45: 757–61.

INCUBATOR.

Infant incubators. Surgeon Circ. M. Sec. Far East Command, 1948, 3: No. 2, 4.—**Tubiash, H. S.** An improvised incubator heating unit. Bull. U. S. Army M. Dep., 1945, 4: 488.

INDEPENDENCE [War of]

See under **Wars and campaigns.**

INDIA.

For references to this country see the following headings in Military Section: **Air Force; Hospital report; Medical Corps; Medical Department; Medical examination; Medical organization; Medical service; Morbidity;** Nurse

Corps; Nursing service; Physician; Ration; Tuberculosis; Veterinary service; Wars and campaigns; World War II.

INDIAN War.

See under Wars and campaigns.

INDOCHINA.

See under Wars and campaigns.

INDONESIA.

See Medical service; Veterinary service.

INDUCTION station.

See also Draft; Medical student, Induction; Physician, Induction; Recruit; Rejection.

Hyde, R. W. Military medical administration of induction stations. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 26–32.—**Levy, D. M.** Induction center. In his New Fields of Psychiatry, N. Y., 1947, 89–94.

INDUSTRIAL fatigue.

See Fatigue; War industry.

INDUSTRIAL hygiene.

See also subsequent headings.

CRUICKSHANK, W. H. Army industrial hygiene and occupational disease control. 4p. 28cm. Ottawa[?] 1944[?]

Forms No. C-6067, Rep. Ass. Com. Army M. Rcs. Nat. Res. Counc. Canada.

Bloomfield, J. J. Industrial hygiene in war production. J. Indiana M. Ass., 1943, **36**: 283–8. Also J. Michigan M. Soc., 1943, **42**: 699–706.—**Decharneux, G. A.** L'enseignement des principes d'hygiène et de sécurité. Arch. Serv. san. Armée belge, 1947, **100**: 231–45.—**Farner, L. M.** Effects of war on the scope of industrial hygiene. Indust. M., 1943, **12**: 714–8.—**Fletcher, A.** The Foundation in war and postwar. Proc. Indust. Hyg. Found. America (1944) 1945, 9. meet., pt 5, 1–3.—**Industrial** health in wartime. Canad. Doctor, 1943, **9**: No. 5, 20–2.—**Industrial** hygiene in wartime Baltimore. Baltimore Health News, 1943, **20**: 169–75.—**Lanza, A. J.** The Army's contribution to industrial hygiene. Am. J. Pub. Health, 1943, **33**: 317.—**Leggo, C.** Health on the production front; general discussion. Cincinnati J. M., 1944–45, **25**: 69–72.—**Myers, M. R.** Industrial hygiene goes to war. Indust. Hyg., Alb., 1943, **22**: 213–20.—**Peterson, C. M.** Industrial health and the war. J. Indiana M. Ass., 1943, **36**: 125.—**Sage, R. T.** Community sanitation. In: Man. Indust. Hyg. (U. S. Pub. Health Serv.) Phila., 1943, 335–44.—**Sappington, C. O.** Industrial health, its war and postwar significance. Indust. M., 1943, **12**: 361–4. ——— Wartime industrial hygiene. Ibid., 1944, **13**: 105–10.—**Selby, C. D.** National defense brings an improved industrial hygiene program. Tr. Nat. Safety Counc., 1941, 30. Congr., **1**: 145–9. ——— War time problems of industrial health. Kentucky M. J., 1943, **41**: 53–6.—**Third** War Conference on industrial health; Chicago, April 23–28, 1945. Indust. M., 1944, **13**: 921–3.—**Townsend, J. G.** Lessons learned from the war. Occup. Med., 1947, **3**: 366–75.—**War** Conference on Industrial Health, May 24–27, 1942. Science, 1943, **97**: 282.—**Wecker, W. A.** Industrial health in wartime. Canad. J. Pub Health, 1943, **34**: 267–71.

INDUSTRIAL Hygiene Laboratory.

Army (The) Industrial Hygiene Laboratory. Bull. U. S. Army M. Dep., 1944, No. 72, 3.—**Hussey, R.** The Army Industrial Hygiene Laboratory. Proc. Indust. Hyg. Found. America, 1943, 8. meet., 26–8.

INDUSTRIAL medicine.

See also preceding and subsequent headings; also Preparedness, industrial medical.

UNITED STATES. ARMY. EIGHTH SERVICE COMMAND. MEDICAL BRANCH. INDUSTRIAL MEDICINE SECTION. The toxicology and prevention of industrial diseases. 204p. 27cm. [n. p.] 1943[?] ALSO 2. ed. 184p. 27cm. [n. p.] 1943[?]

American Association of Industrial Physicians and Surgeons; War Conference, May 24–27, 1943, Rochester, N. Y. Indust. M., 1943, **12**: 312–7.—**Böttcher, P. G.** Betriebsarzt und Kriegseinsatz. Gesundheitsführung, 1943, 150–6.—**Bourke, J. J.** Civilian defense and the industrial physician. Postgrad. Course Indust. M. Long Island Coll. M., 1943, **2**: Nov. 12, No. 1, 1–11.—**Brinton, H. P., Dreessen, W. C., & Trasko, V. M.** Wartime industrial medical services. Indust. M., 1943, **12**: 522–30.—**Brown, R. M.** Medical service in industry. Bull. Am. Coll. Surgeons, 1943, **28**: 197–200.—**Earnheart, H.** Medical service in industry. Ibid., 203.—**Felton, J. S.** The personal side of the Army Industrial Medical Program at the San Francisco Port of Embarkation. Indust. M., 1945, **14**: 629–31.—**First** (The) Army regulation on industrial medicine. Bull U. S. Army M. Dep., 1946, **5**: 505.—**Hammond, L. J.** Surgical observations of war industrial activities at the Methodist Episcopal Hospital, Philadelphia. Pennsylvania M. J., 1919–20, **23**: 329.—**Hargreaves, J. M., & Byram, D. H.** Industrial medicine in AAF. Air Surgeon Bull., 1945, **2**: 118.—**Hazlett, T. L.** Industrial medical problems in war production. Ann. Int. M., 1944, **20**: 371–5.—**Henry, S. A.** Medical supervision in industry in peace and war. Pub. Health, Lond., 1943–44, **57**: 121–6.—**Hess, G. R.** Influence of war on medical service in industry. Bull. Am. Coll. Surgeons, 1944, **29**: 177–83.—**Industrial** medical program of the Army. J. Am. M. Ass., 1944, **125**: 915.—**Industrial** physicians and hygienists plan war conference, May 24–27, 1942, Rochester, N. Y. Ohio M. J., 1943, **39**: 378.—**Johnson, O. J.** The medical profession's part in the war industrial effort. Pennsylvania M. J., 1942–43, **46**: 191–3.—**Johnstone, R. T.** Industrial medicine in wartime. California West. M., 1945, **62**: 5.—**Lynch, D. L.** Medical service in industry. Bull. Am. Coll. Surgeons, 1943, **28**: 201–3.—**Macrae, D. H.** The private practitioner and the war industry. J. Oklahoma M. Ass., 1945, **36**: 239–42.—**Novins, J. K.** Civilian defense; what the dealer can do about it. Surg. Business, 1942, **5**: No. 6, 10–22.—**Sappington, C. O.** Third War Seminar; Chicago, July 12–13, 1944. Indust. M., 1944, **13**: 974–80.—**Selby, C. D., & Lutz, E. F.** The War's impact and influence on industrial medicine. Ibid., 1945, **14**: 923–8.—**Slobe, F. W.** Medical service in industry during war. Bull. Am. Coll. Surgeons, 1944, **29**: 185–90.—**Spolyar, L. W.** First national war conference on industrial medicine. Month. Bull. Bd. Health Indiana, 1943, **46**: 161.—**Sykes, C.** Asistencia médica en las fábricas inglesas durante la guerra. Medicina, Habana, 1944, **2**: No. 17, 10–2.—**Townsend, J. G.** Present status of medical programs in war industries. J. Michigan M. Soc., 1943, **42**: 694–9.—**War** conference. Am. Rev. Tuberc., 1943, **47**: 447.—**War** conference; Rochester, New York, May 24–27, 1943. Indust. M., 1943, **12**: 155.—**War** Conference (III) on Industrial Medicine and Postwar Planning; Chicago, April 23–28, 1945. Ibid., 1945, **14**: 59.—**Wartime** industrial services with special comment on the Permanente Foundation, California Physicians' Service and Procurement and Assignment Service. California West. M., 1943, **58**: 25–6.

INDUSTRIAL nursing.

See also Nursing.

Comstock, I. Nurses behind flying fortress production line. Am. J. Nurs., 1944, **44**: 462–6.—**Macey, H. N.** War time strains; the role of the nurse in minimizing their effects. Indust. Nurs., 1945, **4**: No. 7, 19.—**Mansa, D.** A nurse in an ordnance factory. Nurs. Times, Lond., 1941, **37**: 770.—**Schneider, C.** Wartime problems in industrial nursing. Indust. Nurs., 1943–44, **3**: No. 3, 39–42.—**Sykes, F. C.** Factory nursing in wartime Britain. Am. J. Nurs., 1944, **44**: 938.—**Webb, A.** The industrial nurse in wartime. Indust. Nurs., 1943–44, **3**: No. 3, 30–3.

INDUSTRIAL plant.

See also Civilian defense, Industrial aspect; Emergency Medical Service, Organization.

UNITED STATES. CIVILIAN DEFENSE OFFICE. OCD plan for emergency medical service in industrial plants. 1 l. 26½cm. Wash., 1943.

Engel, C. P. Health factor important in war plant; Westinghouse maintains expert vigilance to keep workers healthy and on the job. Occup. Hazards, 1942–43, **5**: No. 8, 10–2.—**Holden, F. R., & Hemeon, W. C. L.** War plant surveys. Indust. M., 1945, **14**: 46–50.—**Lauer, D. J.** Industrial health in Navy war plants. Minnesota M., 1946, **29**: 693.—**McConnell, W. J.** Health conservation in industrial establishments of the War Department. Indust. M., 1943, **12**: 600–2.—**Physical** examinations of HF plant operators. In: Prev. Med. in World War II, Wash., 1948, **8**: 251–3.—**Probst, E. W., & Lewis, L. D.** An effective preventive medical program, at an Army-operated industrial plant. Indust. M., 1944, **13**: 43–5.—**Schneider, L. V., & Clark, C. L.** Problem cases in an Army industrial installation. Mil. Surgeon, 1945, **96**: 84–9.

INDUSTRIAL rehabilitation.

See Disabled, Employment; Rehabilitation.

INDUSTRIAL worker.

See also Munition worker.

Bauer, F. K. Industrial health and absenteeism. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.)

2. ed., Wash., 1947, 112–5.—**Clevett, M. A.** What is the YMCA doing to meet wartime needs of industrial workers? J. Phys. Educ., 1942–43, **40**: 85.—**Cohen, R. R.** Application of military mental hygiene to industry. Occup. Med., 1946, **1**: 333–44.—**Effect** of the war program on employment. Welf. Bull., Springf., 1942, **33**: No. 10, 25.—**Felton, J. S.** Review of 10,834 preplacement physical examinations in wartime industry. Occup. Med., 1947, **3**: 261–87.—**Henry, S. A.** Health of the factory worker in wartime, II. Lancet, Lond., 1943, **2**: 721; 762.—**Kuzminov, I.** [Selection and training of industrial workers during war] Bolshevik, 1942, No. 16, 26–37.—**Rodger, A.** The man and his job from war to peace. Lancet, Lond., 1943, **2**: 298.—**Sappington, C. O.** Keep war workers well; abstracts of proceedings of the seventh annual meeting of the Industrial Hygiene Foundation of America, Nov. 10–11, 1942. Indust. M., 1943, **12**: 14–31.—**Some** problems of the war worker, by a factory doctor. Occup. Psychol., Lond., 1943, **17**: 34–8.—**Viteles, M. S.** War-time applications of psychology; their value to industry. Ibid., 1946, **20**: 1–11.—**Waggaman, M. T.** Older workers in wartime. Month. Labor Rev., 1944, **59**: 24–38.

—— Diet in wartime.

Bailey, W. S., & Tauscher, L. C. Box lunches; a new public health problem in war industries. Pub. Health News, Trenton, 1942–43, **26**: 296–8.—**Boudreau, F. G.** Nutrition for workers in defense industries. Proc. U. S. Nat. Nutr. Conf., 1941, 116–29. ——— & **Goodhart, R. S.** Food and nutrition of the industrial worker in wartime. Am. J. Pub. Health., 1942, **32**: 1335–40.—**Desmond, T. C.** Vitamins for war workers? Occup. Hazards, 1942–43, **5**: No. 7, 12.—**Feeding** industrial workers in wartime. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 73.—**Goodhart, R. S.** Protecting the health of war workers. Digest Treat., Phila., 1942–43, **6**: 680. ——— Wartime feeding of industrial workers. Ann. Am. Acad. Polit. Social Sc., 1943, **225**: 116–21. ——— & **Pett, L. B.** The war-time nutrition programs for workers in the United States and Canada. Milbank Mem. Fund Q., 1945, **23**: 161–79.—**Kershaw, J. D.** The diet of factory workers in war time. Med. Press & Circ., Lond., 1943, **209**: 259; 1945, **214**: 4. Also Mod. Treat. Yearb., Lond., 1943, **9**: 164; 1944, **10**: 210; 1945, 214. ——— Nutrition and the industrial worker; some lessons of the war. Brit. J. Phys. M., 1944, **7**: 136–41.—**Mayers, M. R.** Nutrition for war workers. Indust. Hyg., Alb., 1942, **21**: 232. ——— Proper kinds of food for workers in war industries. Ibid., 300–2.—**National** Research Council studies nutrition status of 1,500 aircraft workers. Nutrit. Res., 1940–41, **1**: No. 4, 1.

INFANT care.

See **Dependent,** Emergency maternity and infant care.

INFANT mortality.

See also **Manpower; War** subheadings.

Agostinelli, G. Richerche statistiche sulla mortalità infantile nei primi tre giorni di ospedalizzazione durante i primi due anni di guerra (1940–41) Pediat. med. prat., Tor., 1946, **19–21**: 118–28.—**Cayla, J.** Natalité et mortalité infantile en Normandie pendant la deuxiéme guerre mondiale. Méd. inf., Par., 1946, **53**: 59–62.—**Gale, A. H.** A preliminary note on infant mortality in certain county boroughs during the war years. Month. Bull. Emerg. Pub. Health Lab. Serv., Lond., 1945, **4**: 212–4.—**Infant** death rates in countries at war. Med. Rec., N. Y., 1943, **156**: 490.—**Infant** mortality declined to a record low during the war. Statist. Bull. Metrop. Life. Insur., 1945, **26**: No. 12, 9.—**Maternal** and infant mortality experience of Army hospitals. Health U. S. Army, 1949, **4**: No. 12, 2–5.—**Olivi, O.** Rilievi statistici sul neonato modenese durante gli anni di pace (1934–39) e di guerra (1940–45) Lattante, 1946, **15–17**: 50–6.—**Rocco, A.** La mortalità infantil del comune di Torino nei primi anni di guerra. Ricer. med. sper., 1945, **15**: 33–48, tab.—**Stocks, P.** Notes on war-time vital statistics; infant mortality in Greater London and New York. Month. Bull. Emerg. Pub. Health Lab. Serv., Lond., 1944, **3**: 7.—**Trend** of infant mortality in European countries and large towns during the present war. Week. Epidem. Rec. (League of Nat.) 1945, **20**: No. 6, 34–42.

INFANTRY.

See also subheadings of **Division; Injury**—by branch of service; **Unit.**

Blacker, C. P. Notes for the R. M. O. of an infantry unit. 77p. 17½cm. Lond., 1943.

McDonough, F. E. Airsickness during an airborne infantry maneuver. 8 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 93, U. S. Air Force School Aviat. M.

—— Airsickness in the airborne infantry. 4 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 2, Proj. No. 93, U. S. Air Force School Aviat. M.

United States. National Research Council. Committee on Aviation Medicine. Report No. 285: Prevention of motion (air) sickness in airborne troops; experience with hyoscine and motion sickness preventive, Army Development Type, in personnel flown in Army Transport planes. 11p. 28cm. Wash., 1944.

Croft, E. The infantry and the medical department in war. Mil. Surgeon, 1936, **79**: 85–90.—**Evreinov, A., & Akodus, J.** Pekhota. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 485–8.

INFARCTION.

See under **Heart,** Myocardium.

INFECTION.

See also **Anoxia,** Physiopathology; **Digestive system; Disinfection; Epidemic; Eye,** Disease; **Food infection;** also specific names of infectious diseases.

Cox, W. C. Miscellaneous infections. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 71–4.—**Gonzenbach, W. v.** Von der Ansteckung zur Krankheit. Militärsanität, Zür., 1946, **28**: 93.—**Graff, S.** Ausbreitungswege der Infektion in der Chirurgie. Deut. Militärarzt, 1943, **8**: 445–9.—**Harrell, G. T.** Distribution and turnover of sodium and potassium in acute infections. Q. Project Summary Off. Nav. Res., 1948, July, 420.—**Imperati, L.** Generalità di chirurgia di guerra; infezioni generali e locali. Gior. med. mil., 1947, **94**: 15–29.—**Korchin, L.** Residual infection. Med. Bull. U. S. First Army, 1949, **4**: No. 10, 22–4.—**Lepukaln, A., & Stern, B.** Anaerobnaja infekcija. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 158–72, 3pl.—**Ors Pérez, J. P. d'.** Tratamiento penicilínico en las infecciones; análisis de 31 casos tratados. Med. & cir. guerra, 1948, **10**: 357–61.—**Popovskaia, V.** Perenosčiki infekcii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 444.—**Rudnev, G.** Sibirskaja jazva (anthrax) Ibid., **5**: 108–14.

—— airborne.

See also **Bacteriological warfare,** experimental.

Dust-borne infections in hospital. Bull. War M., Lond., 1942–43, **3**: 423 (Abstr.)—**Krueger, A. P.** Techniques to study air-borne infections. Research Rev. (U. S. Navy) 1949, Mar., 1–7. ——— **Hope, J. W.** [et al.] Air-borne infections; a review. War Med., Chic., 1945, **4**: 1–30.

—— focal.

Barishac, N. R. *Sur les cas de réveil du microbisme latent observés au cours de la guerre 1914–18. 66p. 8° Par., 1927.

Goesl, A. G. *Focal infection [U. S. Marine Hospital] [30] l. 28cm. Balt., 1942.

Durán López, N. El dentista y la infección focal; su importancia dentro la ciencia médica. Rev. san. mil., La Paz, 1938, **4**: 639.—**Ford, W. C. G.** A central incisor with normal x-ray and visual appearances causing deceptive symptoms. J. R. Nav. M. Serv., 1945, **31**: 110.—**Jents, F.** Oto-rhino-laryngologische Fokalinfekte als Ursache interner Erkrankungen. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 321–30.—**Marr, W. W.** Dental foci of infection. U. S. Veterans Bur. M. Bull., 1926, **2**: 866.—**Martínez Vivot, J.** El foco séptico dentario; su naturaleza y relación con afecciones generales y locales. Rev. san. mil., B. Air., 1933, **32**: 182–201.—**Matthews, G. W., & Hollabaugh, F.** Uveitis with secondary glaucoma as a result of obscure dental focus; a case report. Med. Bull. North Afr. Theater U. S., 1944, **2**: 97.—**Nisenson, A.** An appraisal of the advantage of teeth extraction in arthritis. Med. Bull. Veterans Admin., 1941–42, **18**: 57–60.—**Oliveira Ponce, G.** Infecções focais odontógenas na clínica. Rev. med. mil., Rio, 1940, **29**: 471–8.—**Orth, O.** Die chirurgische Bedeutung der schlummernden Infektion. Deut. Militärarzt, 1944, **9**: 98.—**Segal, M. L., & Thomson, J. J. C.** Systemic effects of oral foci of infection. U. S. Armed Forces M. J., 1950, **1**: 225.—**Slauck.** Herderkrankung und innere Medizin. Veröff. Marine San., 1942, H. 34, 182–9.—**Ullik, R.** Die Bedeutung odontogener Herde. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 331–53.—**Woods, S. H.** Dental sepsis, its nature and systemic effects. J. R. Army M. Corps, 1926, **46**: 165; 249; 331.

INFECTIOUS disease.

See **Epidemic; Hospital,** infectious; **Infection;** also under specific names of diseases.

INFLUENZA.

United States. Army Epidemiological Board. Report on activities of the Board for the Investigation and Control of Influenza and other Epidemic Diseases in the Army for the year 1 January to 31 December 1944. 15 l. 28cm. Wash., 1945.

—— Commission on Influenza. Report. Wash. (1943/44) 1944–

United States. War Department. Technical bulletin TB MED 11: Influenza. 2p. 26cm. Wash., 1944.

Alexander, H. H. influenzae. Rep. Com. Influenza U. S. Army, 1944–45, 33–5.—**Ferber.** O powikłaniach grypy hiszpańskiej, spostrzeganych na oddziale wewnętrznym szpitala wojskowego w Brześciu Litewskim. Lek. wojsk., 1920, **1**: No. 32, 29–31.—**Francis.** Commission on Influenza; University of Michigan. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 115–8.—**Gmeiner, G.** Die Häufigkeit interstitieller pneumonischer Infiltrierungen bei akuten Grippeerkrankungen. Deut. Militärarzt, 1942, **7**: 289–91.—**Gordon, J. E., Kneeland, Y., & Muckenfuss, R. S.** Influenza. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 13, 7.—**Hirst, G. K., Magill, T. P.** [et al.] Report of Commission on Influenza, May 1948–April 1949. Rep. Com. Influenza U. S. Army, 1948–49, 1–69.—**Hodges, R. G.** Primary influenzal pneumonia. Air Surgeon Bull., 1944, 1: No. 7, 18.—**Influenza** virus infections. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 48.—**Jame & Dutrey.** La grippe. Rev. Corps san. mil., Par., 1946, **2**: Suppl., 1–6.—**Lascalea, M. C.** Gripe y cuadros gripales. Rev. san. mil., B. Air., 1945, **44**: 1025–7.—**Lipkin, G.** Grip, ili influenza. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 262–7.—**Rather** prolonged influenza. Bull. Army M. Dep., Lond., 1945, No 43, 3.—**Relation** (The) between pneumonia and influenza. Bull. U. S. Army M. Dep., 1945, **4**: 492–4.—**Smiley, D. F., & Raskin, H. A.** Influenza and pneumonia; 1943 compared with 1918. U. S. Nav. M. Bull., 1944, **42**: 1437-40.—**Yosino, S.** Ryūkō-sei kanbō kanzya no hakkekkyū ni tuite [On the leucocyte picture of influenza patients] Gun idan zassi, 1929, No. 198, 1833–44.

—— Diagnosis.

Agglutination (The) inhibition test for influenza. Circ. Chief Surgeon's Off. U. S. Army Forc. Pacific, 1946, No. 13, 10–4.—**Diagnosis** (The) of influenza and acute catarrhal fever; a plea for accurate diagnosis. U. S. Nav. M. Bull., 1944, **42**: 27–33.—**Further** simplification of the serological test for diagnosis, using the agglutination-inhibition reaction Rep. Com. Influenza U. S. Army, 1948–49, 30.—**Kiefer, L.** The laboratory diagnosis of influenza in the European Command. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 2, 41–6.—**Laboratory** methods used for the recognition of influenza. Bull. U. S. Army M. Dep., 1946, **5**: 32–7.—**Long, A. P.** Diagnosis of influenza. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: 7.—**Modified** (A) agglutination-inhibition test for the diagnosis of influenza. Bull. U. S. Army M. Dep., 1946, **6**: 777–80.—**Rossijsky, D. M.** [Clinical diagnosis, therapy and prophylaxis of grippe, and measures for its control in the Army and Navy] Feldsher, Moskva, 1942, No. 5, 4–9.—**Use** of gelatin in the influenza red cell agglutination test, U. S. Navy Med. Res. Unit No. 1. Science, 1944, **99**: 320.

—— Epidemiology.

United States. Army Epidemiological Board. Commission on Acute Respiratory Diseases. Studies of the 1943 epidemic of influenza A. p.253–349. 26½cm. Lanc., 1948.

Also Am. J. Hyg., 1948, **48**:

Eberhart, C. M. Influenza, 1946–47. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: No. 5, 43–7.—**Explosive** (An) outbreak of upper respiratory disease in a unit at Fort Devens with subsequent serological findings of influenza. Med. Bull. U. S. First Army, 1949, **4**: No. 5, 12–4.—**Influenza.** Month. Health Rep. Mil. Distr. Washington, 1948, **1**: No. 5, 8–10.—**Kingston, J. R., Jarrett, E. T.** [et al.] The spread of influenza A and other acute respiratory diseases in a United States Naval training center. U. S. Nav. M. Bull., 1948, **48**: 478–89.—**McFarland, J. E.** Influenza aboard an attack transport. Ibid., 1946, **46**: 1576–8.—**Milne, D. G., & Cruickshank, J. D.** Report on an outbreak of influenza in the Army. Brit. M. J., 1949, **1**: 571.—**Milstone, J. H., Lindberg, R. B.** [et al.] 1945 influenza B epidemic in the Pacific area. Mil. Surgeon, 1946, **99**: 777–84.—**Ogawa, M., & Hasegawa, S.** Syōwa ninen ni-gatu syōzyun yori si-gatu syōzyun made hohei dai sitizyū-roku rentai ni hassei-sitaru ryūkō-sei kanbō [Influenza cases in the 76th Infantry Regiment from the first part of February, 1927, to the first part of April, 1927] Gun idan zassi, 1928, No. 179, 579-95.—**Recent** influenza outbreak. Bull. Army M. Dep., Lond., 1944, No. 31, 1.—**Shrader, E. L.** Clinical studies on recent outbreak of influenza. Week. Bull. S. Louis M. Soc., 1943–44, **38**: 259–64.—**Sigel, M. M., & Davis, W. A.** Influenza at an Army camp in 1945-46. Am. J. M Sc., 1947, **214**: 132–8

—— Treatment.

Wagner, R. R., & Bennett, I. L., jr. Effect of receptor-destroying substances upon the febrile response of rabbits to influenzal viruses. 15p. 27cm. Bethesda, 1949.

Forms Rep. No. 5, Proj. NM 007 047, U. S. Nav. M. Res. Inst.

Dessausse, P., Bodeau, E. [et al.] Sur un cas de méningite à bacille de Pfeiffer chez un enfant de 17 mois; guérison par l'association sulfamidepénicilline. Rev. méd. nav., Par., 1948, **3**: 69–73.—**Influenza** antibody studies. Bull. U. S. Army M. Dep., 1946, **5**: 494.—**Meiklejohn & Schragg.** The treatment of atypical pneumonia with aureomycin. Rep. Com. Influenza U. S. Army, 1948–49, 41–3.—**Progress** against influenza. J. R. Army M. Corps, 1945, **85**: 199–201.—**Rossijsky, D. M.** [Prophylaxis and treatment of grippe in the Army] Voen. san. delo, 1941, No. 10, 17–24.

—— Vaccine.

United States. War Department. Technical bulletin TB MED 85: Influenza vaccine. 2p. 26cm. Wash., 1944.

Analysis of vaccination studies of 1943–44. Rep. Com. Influenza U. S. Army, 1944–45, 1–38, 6 tab., 6 ch.—**Carpenter, G. R., & Schulze, H. A.** Influenza experience in immunized troops. Bull. U. S. Army M. Dep., 1949, **9**: 295–9.—**Comparison** of antibody response to vaccine administered via three different routes of inoculation. Rep. Com. Influenza U. S. Army, 1948–49, 25.—**Eberhart, C. M.** Influenza control in the European Theater. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1**: No. 5, 6–11.—**Field** studies of vaccination against influenza. Rep. Com. Influenza U. S. Army, 1948–49, 17–25.—**Francis & Quilligan.** Vaccination. Ibid., 9–12.—**Influenza** vaccination. Bull. U. S. Army M. Dep., 1946, **6**: 521.—**Influenza** virus vaccine. Ibid., 1949, **9**: 289–94.—**Loosli, C. G.** [Vaccination with combined A, A-prime and B vaccine] Rep. Com. Influenza U. S. Army, 1948–49, 61.—**Preservation** of influence vaccine by lyophilization. Res. Program U. S. Army Med. Res. Bd, 1947, July, 80.—**Radke, R. A.** Observations on the effect of vaccination upon an epidemic of influenza due to virus A at Fort Lewis, Washington. Mil. Surgeon, 1949, **104**: 211–5.—**Rasmussen, A. F.,** jr. A comparative study on the relative effects of influenza vaccine when given subcutaneously or intracutaneously. Rep. Com. Influenza U. S. Army, 1948–49, 63–6.—**Salk.** Evaluation of influenza vaccine. Ibid., 3–5.—**Schmidt, H., Bieling** [et al.] Influenza vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXII-13, 7.—**Vaccination** program at Fort Ord. Rep. Com. Influenza U. S. Army, 1948–49, 34–41.—**Vaccine** for influenza. Bull. Army M. Dep., Lond., 1944, No. 38, 2–4.

—— Virus.

Wagner, R. R., Bennett, I. L., jr, & Lequire, V. S. Factors influencing the production of fever by influenza viruses in rabbits. 18p. 27cm. Bethesda, 1949.

Forms Rep. No. 3, Proj. NM 007 047, U. S. Nav. M. Res. Inst.

—— Tolerance in rabbits to the pyrogenic effect of influenza viruses. 16p. 26½cm. Bethesda, 1949.

Forms Rep. No. 4, Proj. NM 007 047, U. S. Nav. M. Res. Inst.

Beard, J. W. Efforts to identify biological inhibitors of influenza virus. Rep. Com. Influenza U. S. Army, 1948–49, 67–9.—**Comparative** antigenic capacity of several A-prime strains of influenza virus. Ibid., 27–30.—**Horsfall, F. L.,** jr, **Ginsberg, H. S.** [et al.] Production of persistent alteration in influenza virus by lanthanum or ultraviolet irradiation. Q. Progr. Rep. Com. Immuniz. U. S. Army, 1948, No. 6, 3.—**Inactivation** (The) by human skin of influenza virus in the presence of saliva. U. S. Nav. M. Bull., 1943, **41**: 692–7.—**Loosli, C. G.** Isolation of influenza viruses. Rep. Com. Influenza U. S. Army, 1948–49, 62.—**Magill, T. P.** Influenza virus strain study center. Res. Program U. S. Army M. Res. Bd, 1947, July, 56. Also Rep. Com. Influenza U. S. Army, 1948–49, 41–9.—**Studies** on the primary isolation of influenza viruses. U. S. Nav. M. Bull., 1946, **46**: 369–74.

INFORMATION bureau.

See under **Prisoner of war.**

INFORMATION test.

See also **Intelligence test**; also **Aviator,** Psychological examination.

Altus, W. D. The validity of an abbreviated information test used in the Army. J. Consult. Psychol., 1948, **12**: 270–5.

—— & **Bell, H. M.** The validity of a general information test for certain groups of Army illiterates. Ibid., 1947, **11**: 120–32.

INFRARED.

Friedenberg, S., & Wine, C. R. Infra-red equipment. Bull. U. S. Army M. Dep., 1944, No. 80, 29.—**Levent, R.** L'infra-rouge en thérapeutique. Gaz. hôp., 1933, **106:** 74–6.—**Lord, R. C.** Infrared radiation can see the structure of molecules. Research Rev. (U. S. Navy) 1948, Apr., 3–7.—**Mignot, R. M. H., & Arcay.** Aperçus sur les découvertes récentes de la science dans le domaine des infra-rouges. Rev. Corps san. mil., Par., 1946, **2:** 537–69.—**Nason, G. C.** Local treatment using infrared rays. Hosp. Corps Q., 1945, **18:** 59.

INFRARED gas analyzer.

See with **Carbon monoxide,** Analysis.

INFUSION.

See under **Therapeutics.**

INFUSOR.

See **Blood transfusion,** Apparatus.

INGUINAL hernia.

See under **Hernia;** also **Ileum.**

INJECTION.

See **Therapeutics,** Injection.

INJURY.

See also under various forms of injury as **Acceleration,** Injury; **Altitude,** Injury; **Burns; Cold injury; Drowning; Eye injury; Fracture; Frostbite; Gas poisoning; Hemorrhage; Wound;** also such terms as **Casualty; Civilian defense worker,** Injury; **Disability,** Classification.

Girgolav, S., & Andreev, F. Rany, ranenija. In: Encikl. slovar vocn. med., Moskva, 1946–48, **4:** 1024–47, 3 pl.—**Harris, R. I.** War injuries. In: Textb. Surg. (Christopher, F.) 3. ed., Phila., 1942, 131–9.—**Peterson, L. T.** War injuries. Proc. Am. Drug Manuf. Ass., 1944, **33:** 88–94. –**Podolsky, E.** War wounds and injuries. Med. Rec., N. Y., 1942, **155:** 374–6.—**Teneff, S.** Lesioni non d'arma da fuoco comunemente osservate in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 549–61.—**Urrutia, C., & Aguirre, R.** Traumatología de guerra. Arch. Soc. cirujan. hosp., Santiago, 1944, **14:** 39–48.—**Wix.** Prinzipielle Unterschiede zwischen Friedens- und Kriegsverletzungen. Veröff. Marine San., 1942, H. 34, 58–65.

—— accidental.

See also subheading (Certificate) also **Accident; Disability; Maneuvers.**

Bronda, F. Considerazioni statistiche di infortunistica militare. Minerva chir., Tor., 1949, **4:** 394–400.—**Chiurco, G. A.** Unfallverletzungen im Kriege (ausser Schussverletzungen) und konservative Chirurgie. Ber. Internat Kongr. Unfallmed. (1938) 1939, 8. Congr., **2:** 711–4.—**Gordon, J. E.** Annual surveys of causes of non battle injury. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 10, 16–8.—**Kaufmann, W.** Beschwerden beim Tragen der Koppels. Deut. med. Wschr., 1941 **67:** 1308–11.—**Long-term** trends in nonbattle injuries. Health U. S. Army, 1948, **3:** No. 12, 2–10.—**Pelayo y Martín del Hierro, M.** El daltonismo como causa de accidentes de guerra. Rev. españ. med. cir. guerra, 1939, **3:** 59–65.—**Rivalta, R.** Saggio di profilassi e di statistica degli infortuni nei militari. Atti. Congr. med. internaz. infort. lavoro, 1909, 2. Congr., **2:** 583–91.—**Sloane, D.** Injuries incurred on obstacle courses. Bull. U. S. Army M. Dep., 1944, No. 77, 89–91.—**Svechnikov, A. S.** Neboevoj travmatizm. Voen. med. J., Moskva, 1947, No. 7, 21–6.

—— accidental: Aircraft crash.

See also **Aviation, Aircraft crashing.**

Gilson, J. C., Stewart, W. K., & Pekarek, Z. Prevention of injury in aircraft crashes. [25] l. 34cm. Lond., 1943.

Forms F. P. R. C. No. 556, Gr. Britain Flying Pers. Res. Com.

Hass, G. A study of clinical and pathologic aspects of intestinal and mesenteric lesions resulting from aircraft accidents. 19p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 237, U. S. Air Force School Aviat. M.

[United States] Crash Injury Conference [5. Conf., 1945] [Proceedings] 63p. 28cm. Wash., 1945.

Williams, G. O. Nature and site of injuries received in flying accidents. 12 l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 639, Gr. Britain Flying Pers. Res. Com.

Crash injury studies. Bumed News Lett. Aviat. Suppl., Wash., 1947, **8:** No. 8, 1–4 —**Czerwinski, A., & Landesman, R.** Preparation for crash emergencies. Air Surgeon Bull., 1944, **1:** No. 3, 20.—**De Haven, H.** Injury in light aircraft accidents. Ibid., No. 7, 5.—**Fifth** crash injury conference. Accid. Bull. (U. S. A. Air Forces) 1945, Nov., 4.—**Fisher, R. L.** The emergency treatment of airplane injuries. Flight Surgeon Topics, 1939, **3:** 164–9.— **Grzeźulko, K.** [Frequency of body injuries in glider accidents] Lek. wojsk., 1936, **28:** 246–9.—**Hass, G. M.** Internal injuries of personnel involved in aircraft accidents. Air Surgeon Bull., 1944, **1:** 5–10. ——— Cranio-cerebral injuries of personnel involved in aircraft accidents. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25:** 220–35.—**Krzyczkowski, Z.** [Observations of an Air Force physician, member of Reformation in Aviation, in regard to accidents, registered in 1933–34] Lek. wojsk., 1935, **26:** 726–8.—**McLaughlin, E. F.** Hospital care of crash victims. Air Surgeon Bull., 1945, **2:** 246.—**Montgomery, J. W., & Whitelock, T. S.** Cardiac evisceration and rupture; 2 cases incurred simultaneously in an aircraft accident. Ibid., 1944, **1:** No. 5, 6.—**Standard** procedure in the crash. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 8, 1–6.—**Szák, J.** Repülőbalesetek repülőorvosi szempontjai. Honvédorvos, 1950, **2:** 694–9.—**Thiemeyer, J. S.,** jr. Report of injuries among survivors of an airplane crash. U. S. Nav. M. Bull., 1945, **44:** 241–6.—**Wiesehöfer.** Innere Verletzungen bei Segelflugunfällen. Deut. Militärarzt, 1944, **9:** 226–9.—**Wurzel, E. M.** Tissue deformation in aircraft crashes. Bumed News Lett. Aviat. Suppl., Wash., 1947–48, **9:** 1–3.

—— Air raid.

See also **Air raid; Bombardment; Burns,** Air raid; **Casualty; Defense; Operation; Wound; Wounded.**

Air raid ophthalmic casualties. U. S. Nav. M. Bull., 1942, **40:** 193.—**Arkle, J. S.** Eye injuries in air raids. Newcastle M. J., 1941–42, **21:** 35–8.—**Atkins, J. B. H.** Modern treatment of war injuries. Nurs. Times, Lond., 1940, **36:** 1291; 1324.—**Baehr, G.** Air raid injuries. U. S. Nav. M. Bull., 1943, **41:** 538.—**Blacker, C. P.** Direct physical injury caused by air raids. In his Neurosis, Lond., 1946, 167.—**Bombs** which fell in Geneva. J. Am. M. Ass., 1941, **116:** 429.—**Bujadoux.** Les accidents oculaires des bombardements aériens. Lyon méd., 1944, **171:** 465–9.—**Campbell, D. R.** Ophthalmic casualties resulting from air raids. War Med. Sympos., N. Y., 1942, 130–2.—**Connor, G. J.** Crush, blast and anesthesia in war emergencies. In: Essent. Emerg Tr. (Connecticut M. J.) N. Haven, 1942, 18–22.—**Danger** (The) of flying glass in air raids. J. Am. M. Ass., 1941, **116:** 642; **117:** 307.—**Eggert, H.** Die Heilverschickung Bombenverletzter. Deut. Aerztebl., 1943, **73:** 190.—**Fick.** Erste Hilfe bei Verletzungen und Verbrennungen; mit besonderer Berücksichtigung der durch Luftangriffe gegebenen Verhältnisse. Zschr. ärztl. Fortbild., 1939, **36:** 584–92.—**Gillies, H.** Address of the guest of honor. Tr. Am. Acad. Ophth. Otolar. (1941) 1942, **46:** No. 5, Suppl., 46–8.—**Grant, R. T., & Reeve, E. B.** Clinical observations on air-raid casualties. Brit. M. J., 1941, **2:** 293; 329.—**Greyerz, W.** von. Erfarenheter från bombanfall mot hemorten. Tskr. mil. hälsov., 1944, **68:** Suppl., 110–7.—**Hoffmann, H.** Fürsorge und Versorgung bei Personenschäden nach Luftangriffen. Gasschutz, 1942, **13:** 39–44.—**Kutisker, M. J.** Notes on war injuries. Med. Bull., N. Y., 1942–43, **8:** 35–8.—**Life** picture brings expert aid to little casualty of bombing. Life, 1941, **11:** No. 12, 42–5.—**Mercer, W.** The immediate treatment of air-raid injuries, including the surgery of the upper limb. In: War & Doctor (Mackintosh, J. M.) 2. ed., Lond., 1940, 59–75.—**Negus, V. E., Watkyn-Thomas, F. W.** [et al.] Ear injuries in air raids; civil and military injuries compared. Brit. M. J., 1940, **2:** 640.—**New** recommendations on burns and wound infections in air raid casualties. J. Maine M. Ass., 1943, **34:** 158.—**Ribble, G. B., Holford, W. G.,** jr. [et al.] Treatment of battle casualties resulting from a dive-bombing attack on an Essex-class carrier. U. S Nav. M. Bull., 1946, **46:** 211–8.—**Rose, T. F.** Air-raid injuries of the chest. Med. J. Australia, 1941, **2:** 465–8.—**Sebastiani, M.** L'anestesia evipanica nei traumatizzati da bombardamento aereo. Gior. ital. anest., 1946, **8–12:** 20–52.—**Shepherd, J. A.** The lessons England learned help to fill the gaps in our understanding of air raid injuries. Mod. Hosp., 1943, **60:** No. 6, 71–3.—**Siegert, P.** Augenverletzungen durch Fliegerbomben. Med. Welt, 1941, **15:** 941; 965, pl. ——— Augenärztliche Erfahrungen bei Fliegerangriffen. II. Ibid., 1944, **18:** 34–8.—**Special** types of injuries in air raids. J. Am. M. Ass., 1939, **113:** 2251.—**Towse, E. B. B.** Civilians blinded in air raids. Brit. M. J., 1940, **2:** 469.—**Types** (The) of injuries to be expected in air raids. Med. J. Australia, 1942, **2:** Suppl., 1–4.—**Wulp, G. A.** The Brandt hospitals for air raid casualties. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 204–10.

—— Blast.

See also **Ballistics,** Wound ballistics; **Bullet; Ear injury,** Blast injury; **Explosion; Head injury,** Weapons; **Immersion blast; War neurosis,** Shell shock; also subheadings of **Injury** (—by branches; —by organs; —by weapons)

Brau, J. *Contribution à l'étude de la chirurgie de guerre; mutilations par éclatement accidentel de détonateurs. 51p. 8° Lyon, 1917.

Cassen, B., Curtis, L., & Kistler, K. Initial studies of the effect of laboratory produced air blast on animals. 10p. 27cm. Oak Ridge, 1949.
Forms No. AECU 396, Docum. U. S. Atom. Energy Com.

Corey, E. L., & Gersh, I. Observations on the effects of air blast on the central nervous system and viscera of cats and rabbits. 12p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X-219, U. S. Nav. M. Res. Inst.

Draeger, R. H., Barr, J. S. [et al.] A study of personnel injury by solid blast and the design and evaluation of protective devices. 34p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X-517, U. S. Nav. M. Res. Inst.

Minard, D., Killough, J. H., & Zimmermann, B. Medical aspects of the Texas City Disaster with special reference to the effects of air blast. 8p. 26½cm. Bethesda, 1948.
Forms Rep. No. 4, Res. Proj. NM 011 015, U. S. Nav. M. Res. Inst.

Rymarowicz, R. *Ueber die indirekte Lungenverletzung durch Bombenexplosion. 31p. 22cm. Zür., 1945.

[United States] National Research Council. Division of Medical Sciences. Report on blast injuries. 44p. 28cm. Wash., 1943.

Aranda de Rojas, M. Neumotórax espontáneo consecutivo a onda explosiva. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 310–8.—**Bailey, H.** Blast. In his Surg. Mod. Warfare, 2. ed., Balt., 1942, **1:** 29–32.—**Bailey, P.** Neuropsychiatric casualties resulting from exposure to atmospheric blast. Arch. Neur. Psychiat., Chic., 1946, **55:** 551–3.—**Barr, J. S., Draeger, R. H., & Sager, W. W.** Solid blast personnel injury; a clinical study. Mil. Surgeon, 1946, **98:** 1–12.—**Barrow, D. W.** Blast injury. Air Surgeon Bull., 1945, **2:** 206.—**Behnke, A. R.** Protection against crash injury and blast forces. Sympos. Mil. Physiol., Wash., 1947, 64.—**Bermann, G.** Commoción nerviosa por explosión de proyectiles. Rev. san. mil., B. Air., 1941, **40:** 149; passim.—**Betzendahl, W.** Ueber traumatische Hirnstammläsion insbesondere bei Detonationen nach Erfahrungen im Frontbereich. Arch. Psychiat., Berl., 1942–43, **115:** 1–31.—**Blast** effects in warfare. Radiology, 1943, **40:** 608.—**Blast** injuries and crush injuries. Med. J. Australia, 1943, **1:** Suppl., 53–6.—**Bradley, S. E.** Blast and crush injury during warfare. N. England J. M., 1943, **229:** 734.—**Brubaker, R. E.** Air blast injury; report of cases. Bull. U. S. Army M. Dep., 1945, No. 87, 110–4.—**Burnett, H. A.** Early evaluation of blast injury; report of cases. Mil. Surgeon, 1948, **103:** 275–8.—**Cassen, B., Curtis, L., & Kistler, K.** Initial studies of the effect of laboratory produced air blast on animals. Nuclear Sc. Abstr., 1949, **3:** 312.—**Denny-Brown, D.** The effect of high explosives and the post-traumatic syndrome. Tr. Am. Neur. Ass., 1943, **69:** 98–102.—**Farris, E. J., Yeakel, E. H., & Medoff, H. S.** Development of hypertension in emotional gray Norway rats after air blasting. Am. J. Physiol., 1945, **144:** 331–3.—**Fink, H.** Intestinal perforation resulting from atmospheric blast. U. S. Nav. M. Bull., 1947, **47:** 884–9.—**Friedell, M. T., & Burke, R.** Preliminary appended report on the causation of blast injury. Ibid., 1943, **41:** 363–6.—**Gershuni, G. V., Alekseenko, N. U.** [et al.] Narušenija dejatelnosti organov čuvstv i nekotorykh drugikh nervnykh funkcij pri vozdušnoj kontuzii. Voen. med. sborn., 1945, No. 2, 98–102.—**Gordon, Z. A.** [Injuries of the internal organs in air contusions] Voen. med glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 420–2.—**Hartzell, J. B.** Blast injury. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 298–305.—**Horváth, S. M., & Shelley, W. B.** Experimental study of air blast injuries. Bull. U. S. Army M. Dep., 1946, **6:** 761–70.—**Hurley, V.** The general principles of treatment of high explosive and bomb injuries and shock haemorrhage, and of resuscitation. Med J. Australia, 1939, **2:** 740–2.—**Jakobsen, A.** Blast injuries. Nord. med., 1947, **36:** 2520.—**Khoroshko, V. K.** [Sequels of blast contusion in war] Nevropat. psikhiat., 1942, **11:** No. 5, 5–17.—**Klemm, R. A.** Atmospheric blast concussion; medical aspects. U. S. Nav. M. Bull., 1945, **44:** 1228–30.—**Knieriem, W.** Bedeutung und Differentialdiagnose der Verwundungen mit sowjetischer Infanteriesprengmunition. Deut. Militärarzt, 1943, **8:** 645–53.—**Kornfield, A. T., & Popper, J. R.** High velocity wind blast on personnel and equipment. J. Aviat. M., 1949, **20:** 24–38.—**Leavell, B. S.** Acute heart failure following blast injury. War Med., Chic., 1945, **7:** 162–7.—**Minard, D., Killough, J. H., & Zimmerman, B.** Medical aspects of the Texas City disaster with special reference to the effects of air blast. Texas Rep. Biol. M., 1948, **6:** 337–45. Also Summaries Res. U. S. Nav. M. Res. Inst., 1948, 17.—**Osipov, V. P.** [Aoro-commotional psychotraumata] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 397–9.—**Panning, G.** Wirkungsform und Nachweis der sowjetischen Infanteriesprengmunition. Deut. Militärarzt, 1942, **7:** 20–30.—**Results** (The) of aerial shock and the classification of the injured. J. Am. M. Ass., 1919, **72:** 415.—**Roessle.** Pathologic-anatomic findings in case of experimental blast and injuries due to explosions. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 28; Disc., 31.—**Schwab, R. S.** The syndrome of airblast concussion cerebral. J. Nerv. Ment. Dis. 1947, **105:** 195–203.—**Seiferth, L. B.** Der jetzige Stand unserer Kenntniss über die Explosions- und Detonationsstörungen im Kriege. Deut. Militärarzt, 1944, **9:** 363–5.—**Talbot, A.** Lésions par souffle. France méd., 1948, **11:** No. 5, 3–8. ——— & **Rouffilange.** Réflexions à propos d'une lésion caractéristique par explosion. Bull. Soc. méd. mil. fr., 1948, **42:** 27–9.—**Theis, F. V.** Atmospheric and immersion blast injuries. War Med., Chic., 1943, **4:** 262–9.—**Tunbridge, R. E.** Cause, effect and treatment of air blast injuries. Ibid., 1945, **7:** 3–6.—**Valade, P.** Les effets pathologiques des explosifs. Rev. vét. mil., Par, 1948, **3:** 1–25.—**Williams, E. R. P.** Blast effects in warfare. Brit. J. Surg., 1942–43, **30:** 38–49.—**Young, M. W.** Mechanics of blast injuries. War Med., 1945, **8:** 73–81.

—— Blast, underwater.

See **Immersion blast.**

—— Burns.

See **Burns;** also subheading (thermal)

—— Certificate.

See also **Disability.**

Edgar, W. H. Hurt certificates. J. R. Nav. M. Serv, 1938, **24:** 318–21.—**Men** wounded as a result of war operations; hurt certificates [Admiralty Orders] Ibid., 1940, **26:** 89.—**Péan.** Inscrit maritime blessé sur un bateau désarmé; loi de 1898 inapplicable. Rec. spéc. accid. trav., 1936, **36:** 13–5.—**Service** connected accidents. Army Navy Reg., 1942, **63:** No. 3290, 1.

—— chemical.

See also **Chemical warfare,** Medical aspects; **Flame; Gas poisoning.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 396: Wirkung der chemischen Kampfstoffe und sonstiger schädlicher Stoffe auf den Menschen sowie Behandlung der Kampfstoffverletzungen, vom 25. Juli 1939. 80p. 15cm. Berl., 1939.

—— [The same] ... vom 1. 1, 1943. 105p. 15cm. Berl., 1943.

Maurach, H. *Beiträge zur Farbstoff-Therapie von Kampfstoffschädigungen [Berlin] 17p. 8° Bresl., 1938.

United States. Chemical Corps. Medical Division. Report, No. 236: A conference on treatment of chemical warfare casualties with acute lung injury. 69p. 27cm. Army Chem. Cent., 1950.

United States. Civilian Defense Office. Medical Division. First aid in the prevention and treatment of chemical casualties. Rev. ed. 32p. 23cm. Wash., 1943.

United States. Navy. Bureau of Medicine and Surgery. NAVMED 220: Manual on treatment of casualties from chemical warfare agents. Rev. ed. 132p. 23cm. Wash., 1945.

United States. War Department. Technical manual TM 8-285: Treatment of casualties from chemical agents. 51p. 23cm. Wash., 1941. Also another edition. 76p. 22cm. Wash., 1942. Also another edition. 136p. 23cm. Wash., 1945.

—— [The same] ... C 1 [Changes No. 1] 7 numb. l. 21½cm. Wash., 1942.

Adams, B. H. The treatment of chemical warfare casualties. Week. Roster, Phila., 1939–40, **35:** 682; 744; 885. Also U. S. Nav. M. Bull., 1940, **38:** 218–31.—**Barboza Viana, E.**

Agressivos químicos em traumatologia de guerra. Impr. méd., Rio, 1943, **18**: No. 354, 90–3.—**Ferond, M.** La physiothérapie devant la guerre chimique. Ann. méd. phys., Anvers, 1940, **33**: 71–8.—**First** aid procedure for chemical warfare agents. Southwest. M., 1943, **27**: 99–101.—**Gillert, E.** Erkennung, Verlauf und Behandlung von Schäden durch chemische Kampfstoffe im Kriege. Klin. Fortbild., 1937–38, **5**: 452–517.—**Gresser, E. B.** Ocular injuries in chemical warfare. Hebrew M. J., N. Y., 1945, **1**: 183–8.—**Hoche, O.** Chemische Verletzungen und ihre Behandlung. Med. Klin., Berl., 1940, **36**: 857–60. Also Bull. War M., Lond., 1941–42, **2**: 226 (Abstr.)—**Jewett, S. P.** Neuropsychiatric chemical warfare casualties. Bull. N. York M. Coll., 1942, **5**: 107–13.—**Khromov, B. M.** [Surgical operations in chemical warfare] Vest. khir., 1940, **59**: 497–508.—**Krause, J.** Otravy bojovými chemickými látkami a válečná chirurgie. Voj. zdrav. listy, 1948, **17**: 200–14.—**Levine, V. E.** Treatment of chemical warfare casualties Bull. Creighton Univ. School M., 1942, **2**: No. 3, 3 —**Lewison, E. F.** Emergency treatment of chemical warfare casualties. Surg. Clin. N. America, 1942, **22**: 1435–43.—**Mace, D. L.** Animal casualties from chemical warfare agents. Vet. Bull., Wash., 1941, **35**: 86–95. ——— Treatment of horses exposed to chemical warfare agents. Vet. Med., Chic., 1941, **36**: 594.—**Management** and transport of chemical warfare casualties in Naval and Marine Forces. Bumed News Lett., Wash., 1944, **4**: No. 5, 35–8.—**Mark, J.** Emergency treatment of chemical warfare casualties. North End Clin. Q., Detr., 1943, **4**: 20–2.—**Muntsch, O.** Hautschädigungen durch chemische Kampfstoffe, Pathologie und Therapie. Derm. Wschr., 1937, **105**: 895–7.—**P., G. S.** Ophthalmic emergencies in chemical warfare. Ind. J. Ophth., 1942, **3**: 115–7.—**Parrilla Hermida, M.** Agresivos químicos; fisiopatología, diagnóstico y tratamiento de la intoxicación por los agresivos de acción general y sofocantes. Rev. españ. med. cir. guerra, 1939, **2**: 330–9.—**Porter, H. B.** First aid treatment of chemical casualties. Flight Surgeon Topics, 1939, **3**: 175–84.—**Rytand, D. A.** Chemical warfare agents; casualties therefrom. California West. M., 1944, **61**: 191–3.—**Serra, G.** Pronto soccorso dei colpiti da aggressivi chimici. Gior. med. mil., 1940, **88**: 530–42.—**Silva Travassos, A. da.** Fisiopatologia e terapêutica de urgência dos tóxicos de guerra. Impr. méd., Lisb., 1938. **4**: 81–91.—**Speransky, G. N.** [Brief instructions for first aid to children affected by war chemicals] Pediatria, Moskva, 1943, No. 4, 21–6.—**Streiff, E. B.** Lésions oculaires par substances chimiques de combat. Schweiz. med. Wschr., 1943, **73**: 296–8.—**Stubbs, D. H.** Medical aspects of chemical warfare; the vesicants and their first-aid treatment. Med. Ann. District of Columbia, 1943, **12**: 220–2.—**Teneff, S.** Gli aggressivi chimici e chirurgia di guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 507–33, pl. ——— Aggressivi chimici ed attività chirurgica in guerra. Ibid., 523–32.—**Vianna, I.** Lesões oculares na guerra química. Rev. med. mil., Rio, 1943, **32**: 530–8.—**Volfovskaia, R. N., & Davydova, G. N.** Klinićeskie nabljudenija nad ostrymi otravlenijami ammiakom. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 155–9.—**Wooders, M. A., & Curtis, D. A.** Chemical warfare; diagnosis of casualties. In their Emergency Care, Phila., 1942, 408–13.

—— Classification and nomenclature.

See also **Wounded,** Classification.

Dąbrowski-Królak, A. [Comparative terminology of body injuries in the Spanish military surgery] Nowiny lek., 1937, **49**: 262.—**Gorinevskaia, V.** Zakrytye povreždenija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 749–51. ——— Legko ranenyj. Ibid., **3**: 389–98.—**Kupriianov, P. A.** Klassifikacia ran i ranenij. In: Kraty kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 127–36, pl.—**Panin, K. K.** [Organization of the work of the classification center for the front base hospital] Voen. san. delo, 1943, 37–41.—**Screisky, M. J.** [Problem of organic and functional in difficult diagnostic cases of war trauma] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1945, 403–7.

—— Clinical aspect.

Girgolav, S. S. Klinika ranenij. In: Opyt sovet. med. Velik. otecli voine, Moskva, 1951, **1**: 61–77.—**Paulian, D., & Chiliman, M.** Praktischer Beitrag zur Klinik der Kriegsverletzten. Wien. med. Wschr., 1942, **92**: 67.

—— Cold injury.

See as main heading; also **Frostbite.**

—— Compensation.

See also subheading (Prognosis) also **Disabled.**

Benassi, G. Le lesioni per armi da guerra. 104p. 23½cm. Bologna, 1919.

Also Pensiero med., 1918, **8**: Nos. 1–6.

Compensation for civilian war injuries. Lancet, Lond., 1940, **2**: 827. Also Med. Off., Lond., 1940, **64**: 46.—**Geringer, J.** Ueber die Schwierigkeiten bei der Begutachtung alter, ausgeheilter Kriegsverletzungen. Beitr. gerichtl Med., Wien, 1929, **9**: 176–85.—**Rentenverhältnisse** (Die) der Kriegsverletzten. In: Verwendungsmögl. d. Kriegsbeschäd. (Krais, F.) Stuttg., 1916, 101–6.—**Rowe, R. C.** Line of duty. U. S. Nav. M. Bull., 1922, **6**: No. 1, Suppl., 26–58.—**Scott, T. G.** Compensation for injuries. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 640–6 —**Solmi, A.** Responsibilità dello stato per danni recati dall'amministrazione militare. Riv. crit. infortunist., 1931, **20**: 1–6.—**Ufferte, L. J. E.** De la visite médicale et des formalités qu'elle entraîne en ce qui concerne le personnel civil des établissements militaires notamment en matière de contrôle et dans les accidents du travail. Rev. serv. san. mil., Par., 1936, **104**: 29–92.—**Women** demand equal compensation for war injuries [Gt. Britain] J. Am. M. Ass., 1942, **120**: 779.—**Women** to be paid the same compensation as men for war injuries [Gt. Britain] Ibid., 1943, **122**: 391.

—— Complication.

Delorme, E. Sur la décalcification dans les traumatismes de guerre. Bull. Acad. méd., Par., 1917, 3. ser., **127**: 577–85.—**Metelica, I. I.** Posleoperacionnoe tečenie i lečenie v polevykh medicinskikh učreždenijakh; osložnenija. In: Opyt sovet med. v Velik. otech. voine, Moskva, 1949, **12**: 220–5.—**Sinani, M., & Podliashuk, L.** Paratravmatičeskie dermatozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 336–42.

—— Compression.

Breden, N. P., d'Abreu, A. L., & King, D. P. Sudden compression injuries of the abdomen at sea. Brit. M. J., 1942, **1**: 144–6. Also War Med. Sympos., N. Y., 1942, 449–55.—**Slocker & Diaz Gómez.** Graves lesiones por enterramiento. Rev. españ. med. cir. guerra, 1941, **7**: 234.—**Stein, J. J.** Sudden compression injuries of the abdomen. Med, Bull. Veterans Admin., 1943–44, **20**: 6.—**Sudden** compression injuries of the abdomen at sea. U. S. Nav. M. Bull., 1942, **40**: 726.

—— Concussion.

See also **Head injury; Immersion blast.**

Chiari, H. Die pathologische Anatomie der Kriegsverschüttung. Schweiz. med. Wschr., 1949, **79**: 946.—**Ecker, A. D.** Artificial respiration in concussion. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 23, 19.—**Fulton, J. F.** Blast and concussion in the present war. N. England J. M. 1942, **226**: 1–8. Also War Med. Sympos., N. Y., 1942, 226–40.

—— Control.

See also **Safety;** also **Body armor; Explosion; Gunnery.**

Estrin, L. M. [Au sujet de la lutte contre les traumatismes de guerre] Khirurgia, Moskva, 1940, No. 4, 50–3.—**Longer** life jackets suggested to protect against depth bombs. Illinois M. J., 1943, **83**: 343.

—— Crush and contusion.

See also subheading (Compression)

Bierman, H. R., Wilder, R. M., jr, & Hellems, H. K. The physiological effect of compressive forces on the torso. 16p. 27cm. Bethesda, 1946.

Forms Rep. No. 8, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

Bailey, H. Crush syndrome. In his Surg. Mod. Warfare, 2. ed., Balt., 1942, **1**: 32–4.—**Barrett, W. A.** Bilateral crush injury to the thorax, with death; a case report. Mil. Surgeon, 1945, **97**: 394–6.—**Bywaters, E. G. L., Belsey, R.** [et al.] Discussion on the effects on the kidney of trauma to parts other than the urinary tract, including crush syndrome. Bull. War M., Lond., 1942–43, **3**: 58–60 (Abstr.)—**Crushed** limb. Bull. Army M. Dep., Lond., 1942, No. 18, 10. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 6.—**Ferreira, H.** Contusões do abdome. An. Hosp. centr. exerc., Rio, 1944, **9**: 59–86.—**Futcher, P. H.** Renal failure complicating muscle crush injuries. U. S. Nav. M. Bull., 1942, **40**: 906–8.—**Gent, J. C.** A crush-foot injury sustained at sea. J. R. Nav. M. Serv., 1942, **28**: 297.—**Malarenko, A., Bogin, L.** [et al.] Kontuzia (contusio) In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 20–43.—**New** (A) kind of shock. J. R. Army M. Corps, 1941, **76**: 286–8.—**Pugh, H. L.** Blast, crush, and compression injuries. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 290–8.—**Shepherd, J. A.** Crush or compression of limbs, with impairment of renal function. J. R. Nav. M. Serv., 1942, **28**: 314–26.

—— Deafness.

See **Ear injury,** Deafness.

—— Dislocation.

See under **Joint.**

—— electric.

Araujo, J. O. Choque elétrico. In: Man. socor. guerra, S. Paulo, 1943, 113–6.—**Deaths** due to electric shock. Statist. Navy M., 1948, **4**: No. 4, 2.—**[First-aid** instructions in electric current injuries during military operations] Sovet. med., 1940, No. 13, 36.—**Kaplan, A.** Elektrotravma. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1159–67.—**Kupriianov,**

P. A. Elektrotravmy. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 231–3.—**Paterson, J. H., & Turner, J. W. A.** Lightning and the central nervous system. J. R. Army M. Corps, 1944, **82**: 73–5.—**Souza Medina, D.** Instruções para socorros a acidentados da eletricidade. Arq. brasil. med. nav., 1944, **5**: 525–31.—**Teneff, S.** Le lesioni da elettricità in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 545.

—— Examination.

See also **Medical examination.**

Grashey, R. Röntgenuntersuchung bei Kriegsverletzten. 204p. 16° Münch., 1918.

Heinemann-Grüder, C. Beurteilung der Kriegsverletzungen und ihre erste Behandlung. p.93–147. 20cm. Dresd., 1944.
In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944.

Gorinevskaia, V. V. Diagnostika povreždenij. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 44–54.—**Hotta, S.** Sensyō no roentgen-sindan ni tuite [Roentgen diagnosis of war wounds] Nippon roentgen gakkai zassi, 1938–39, **16**: 12–7, illust.—**Petrov, N. N.** Principy diagnostićeskoj metodiki pri ranenijakh. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 56–68.—**Stern, B. M.** [Roentgenological characteristics of war injuries in the field] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 109–20.—**Testa, U.** La sindrome di ipertensione orbitaria e sua importanza in traumatologia di guerra. Gior. med. mil., 1935, **83**: 1042–7.—**Várady, K.** Röntgenbilder von Kriegsverletzungen. Fortsch. Röntgenstrahl., 1943, **67**: 300.

—— Foreign body.

See as main heading.

—— Fracture.

See as main heading.

—— Frostbite.

See **Cold injury; Frostbite.**

—— gas.

See **Chemical agent; Gas; Gas poisoning; Gas warfare.**

—— Manual.

See also **Surgery,** Manual.

Fletcher, E., & Raven, R. W. War wounds and injuries. 262p. 22cm. Lond., 1940.

Gioia, T. Traumatología de guerra. 174p. 22cm. B. Air., 1943.

Girgolav, S. S. Хирургия. Разд.1: Общие вопросы военнополевой хирургии; раны, отморожения, ожоги. 431p. 26½cm. Moskva, 1950.
[1]Forms v.1, Opyt sovet. med. v Velik. otеć. vojne, Moskva, 1950.

Maingot, R., Slesinger, E. G., & Fletcher, E. T. D. War wounds and injuries. 2. ed. 499p. 22½cm. Balt., 1943.

Manual da socorrista de guerra. 162p. 18cm. S. Paulo, 1943.

Mendeleva, I. A., & Antonov, A. N. Вопросы военного травматизма и хирургической практики. 120p. 21½cm. Leningr., 1945.
Forms v.3, Tr. Leningr. gosud. pediat. med. inst.

Orr, H. W. Wounds and fractures. 227p. 25½cm. Springf., 1941.

Plastina, M. Lezioni di traumatologia di guerra. 295p. 20½cm. Fir., 1943.

Prokofev, N. N. Методика обследования пострадавших при военных травмах. 31p. 17cm. Leningr., 1943.

Radajkin, S. D. Praktikum po toxikologii, patologii i terapii poraźenij boevymi OV. 136p. 22½cm. Moskva, 1939.

War wounds and air raid casualties. 256p. 22cm. Lond., 1939.

—— neuropsychiatric.

See **Neuropsychiatric casualty.**

—— Non-battle injury.

See also **Casualty,** Non-battle casualty.

Novotelnov, S. A. [Injuries in times of peace] Voen. med. J., Moskva, 1932, **3**: 112.

—— Pathology.

Gubergric, A. I. Внутренняя патология боевой травмы. 120p. 20cm. Moskva, 1946.
Bibliogr.: p. 107–18.

Cunha, R. L. O sangue em traumatologia de guerra. Impr. med., Rio, 1943, **19**: No. 356, 25–34.—**Heinrich, G.** Pathologische Veränderungen des Blutbildes unter Berücksichtigung des Myelogramms und ihre Verwertbarkeit zur Anzeigestellung bei der Behandlung von Schussbrüchen. Deut. Militärarzt, 1943, **8**: 499–505.—**Pathological** specimens of war injuries. Rep. M. Res. Counc., Lond. (1939–45) 1948, 41.—**Pathology** of war injuries. Med. Targets, 1945, No. M–AB, 111.—**Shabad, L. M.** O nekotorykh osobennostjakh patologićeskoj anatomii boevoj travmy. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 365–70.

—— Physiopathology.

Besta, C. Forme fisiopatiche da traumi di guerra. Gior. med. mil., 1933, **81**: 629–32.—**Bolker, H., McGuinness, J. S., & Katz, Y. J.** Blood specific gravity determinations in the evaluation and treatment of battle casualties. Med. Bull. U. S. Chief Surg., Europ. Theater, 1945, No. 30, 22–8.—**Cleghorn, R. A., & Chute, A. L.** Studies of bodily reactions to injury in battle casualties; clinical observations. Proc. Com. Army M. Res. (Canada) 1945, 8. meet., No. 2, C. 6227a, 1–14, ch.—**Gohrbandt, E.** Die Bedeutung des zugrunde gehenden körpereigenen Eiweisses für die Kriegsverletzungen. Zbl. Chir., 1943, **70**: 1637.—**Kogan-Jasnyi, V. M., & Derman, G. L** Somatićeskie reakcii organizma na boevye travmy. Vrach. delo, 1945, **25**: 575–84.—**Lathe, G. H., Hamilton, J. D.** [et al.] Studies of bodily reactions to injury in battle casualties; disturbances in kidney function and morphology following abdominal and other wounds. Proc. Com. Army M. Res. (Canada) 1945, 8. meet., No. 2, C. 6227f, 1–23, pl., 2 tab.—**Orbeli, L. A.** Rol vegetativnoj nervnoj sistemy v patogeneze boevykh travm. Voen. med. sborn., 1945, No. 2, 3–9.

—— Poisoning.

See as main heading.

—— Prognosis.

See also subheading (Compensation)

Lehtinen, V. Resultaten vid revision av krigsskador och något om de faktorer, som inverka på prognosen. Nord. med., 1941, **12**: 3003–7. Also Schweiz. med. Wschr., 1942, **72**: 275 (Abstr.)—**Orr, H. W.** Determining factors in the end-results following war wounds and compound fractures. Bull. N. York Acad. M., 1942, **18**: 237–45. Also Diplomate, 1942 **14**: 302–7.

—— Psychological aspect.

See also **Neuropsychiatric casualty; Shock; War neurosis,** traumatic; **War psychosis.**

Ballesteros Barahona, M. Psicología del herido de guerra. Ejército, 1943, No. 40, 60–4.—**Barton, W. E.** Healthy attitudes toward war injuries. Pub. Health Nurs., 1944, **36**: 74–9.—**Delmas, P.** Comment faut-il entendre les rapports respectifs du chirurgien et du blessé dans l'armée. Paris méd., 1918, **27**: 50–6.—**Duke-Elder, P. M., & Wittkower, E.** Psychological reactions in soldiers to the loss of vision of one eye, and their treatment. Brit. M. J., 1946, **1**: 155–8.—**Giliarovski, V. A.** [Nature of alterations in the neuro-psychic sphere after war contusions] Sovrem. psikhiat., 1916, **10**: 403–33.—**Kupper, H. I.** Psychic concomitants in wartime injuries. Psychosomat. M., 1945, **7**: 15–21.—**Lander, J.** The psychiatrically immunizing effect of combat wounds. Am. J. Orthopsychiat., 1946, **16**: 536–41.—**Sachsse, H.** Ueber die seelischen Probleme von Kriegsverletzten. Volksgesundheit, Rastatt, 1949, 74–6.—**Sviadoshch, A. M.** Psikhopatologićeskie kartiny pri svežikh vnećerepnykh boevykh ranenijakh. Nevropat. psikhiat., 1947, **16**: No. 6, 90.—**Vallejo Nájera, A.** Reacciones psicógenas en los mutilados de guerra. Rev. españ. med. cir. guerra, 1942, No. 41, 1–12.

—— Record.

See also subheading (Certificate) also **Casualty,** Reporting.

Importance (The) of adequate records of the sick and wounded in the military services in time of war and the best methods for obtaining them [MS of essays for the Sir Henry Wellcome Prize

of the Association of Military Surgeons of the United States] 7 MS. Wash., 1939.

CONTENTS

No. 1. Laird, A. 12 l. 34cm.
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No. 5. Michael, W. H. 17p. 26½cm.
No. 6. Miles, W. H. 10p. 35½cm.
No. 7. Tinsman, C. A. 12p. 28cm.

Marotte. Rapport présenté à la Commission internationale de standardisation (2e session, octobre 1927) 1° sur la standardisation de la fiche médicale (a) de l'Avant, (b) de traitement et d'évacuation; 2° sur la nomenclature des blessures de guerre. Rev. internat. Croix-Rouge, 1927, **9**: 853–88. ——— Etude reprise de la fiche d'hospitalisation et de la pochette-fiche d'évacuation. Ibid., 1936, **18**: 885–906.—**Munikhes, R.** Spravka o ranenii. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 283–5.—**Private** hospital war casualty records desired by Uncle Sam. Bull. Am. Ass. M. Rec. Librarians, 1941–42, **13**: 71.

—— Sequelae.

See also subheadings (Complication; Psychological aspect) also **Hysteria; War neurosis; War psychosis.**

Alquier, L. Importance et traitement de l'engorgement lymphatique dans les suites tardives des blessures de guerre. Rev. interall. mutil. guerre, 1918, **1**: 228–35.—**Chofré Albiol, A.** Consideraciones sobre cuatro casos de aneurismas traumáticos, por herida de guerra. An. Serv. traumat. Hosp. provinc., Valencia, 1936, **3**: 668–75.—**Gómez-Durán, M.** Los síndromes deficitarios de los miembros y las contracturas fisiopáticas en los heridos de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 179–88.—**Karitzky, B.** Dystrophie und Atrophie bei Kriegsverletzung. Zbl. Chir., 1943, **70**: 1170–7.—**Natume, H.** Sensyō ni yoru zen-tōyō-sei sittyō-syō rei [Frontal ataxia caused by a war wound] Gun idan zassi, 1943, 821–5.—**Parin, B. V.** [Cicatricial contractures following injuries and burns of the soft tissue in the light of medical examinations] Voen. med. J., Moskva, 1944, 33–6.—**Petrov, V. A.** [A device for the prophylaxis and treatment of contractures] Voen. san. delo, 1942, No. 8, 33.—**Tregubov, S. I.** [Ischemic contractures in gunshot injuries] Hosp. delo, 1944, No. 3, 5–7.—**Webster, G. V.** Adherent scars of the lower extremity. U. S. Nav. M. Bull., 1944, **43**: 878–88.

—— Shock.

See as main heading.

—— thermal.

See also **Burns; Cold injury; Frostbite.**

Adunanza straordinaria dell'Accademia dei fisiocritici in Siena, dedicata allo studio ed alla cura delle lesioni di congelamento ed alle ferite di guerra; sezione medico-fisica; adunanza del 4 maggio 1941. Gior. med. mil., 1941, **89**: 395–8.—**Flosi, A.** Insolação. In: Man. socor. guerra, S. Paulo, 1943, 110–2, pl.—**Freitas, J. M. de.** Queimaduras. Ibid., 65–9, pl.—**Gorinevskaia, V. V.** Termičeskie i energetičeskie poraženija na vojne. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 140–65.—**Hoche, O.** Die erste Behandlung thermischer Kriegsschäden. Med. Klin., Berl., 1940, **36**: 94; 154.—**Ivashchenko, G. M.** Ožogi lica; otmoroženija lica. In: Opyt sovet. med. v Velik. otech. vojne, Moskva, 1950, **6**: 118–20.—**Konosevich, M. A.** K voprosu o lečenii otmoraživanij i ožogov. Feldsher, Moskva, 1945, No. 1, 55.—**Petrov, N. N.** Ožogi, otmoroženija, elektrotravma. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 135–46.—**Teneff, S.** Le lesioni termiche, elettriche e da causticazioni in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 534–48.

—— Treatment.

Merck & Company. Treatment of war injuries. 2. rev. 60p. 21½cm. Rahway, 1942.

Braine, J., Métivet, G. [et al.] Po povodu pervičnogo šva ranenij pri nesčastnykh slučajakh mirnogo vremeni. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 86–95.—**Dial, D. E.** Treatment of war injuries. Am. J. Nurs., 1942, **42**: 1229–35.—**Gibbon, J. H., jr, & Hodge, C. C.** The treatment of minor war injuries. Med. Clin. N. America, 1941, **25**: 1829–42.—**Luten, J. F.** Treatment of war casualties including shock, plasma and sulfonamides. J. Omaha Clin. Soc., 1944, **5**: 4–8.—**Magliulo, A.** Criteri generali sulle ferite di guerra e loro trattamento. Forze san., Roma, 1937, **6**: 1565–81.—**Major** medical and surgical problems of war casualties. Med. Press & Circ., Lond., 1941, **205**: 304–6.—**Quesada, F.** Asistencia de los traumatizados en el Perú. Rev. san. mil., Lima, 1948–49, 21–22: 29–42.—**Ross, J. A., & Hulbert, K. F.** Treatment of 100 war wounds and burns. Brit. M. J., 1941, **1**: 618–21.—**Treatment** (The) of war injuries. Ulster M. J., 1941, **10**: 102–10.—**Treatment** of war wounds and fractures. Brit. M. J., 1939, **2**: 694.—**Walters, W.** Care of the injured in war zones. Collect. Papers Mayo Clin. (1943) 1944, **35**: 766–76.—**Woods, R. S.** Treatment of injuries in war. Med. Press & Circ., Lond., 1938, **197**: 421–5.

—— Treatment: Anesthetization.

See also **Surgical technic,** Anesthetization.

Neel, H. B. Anesthetic agents in the treatment of battle casualties. U. S. Nav. M. Bull., 1945, **45**: 442–8.

—— Treatment: Blood transfusion.

See **Blood transfusion.**

—— Treatment: Chemotherapy.

Iványovics, G., Gieszer, N. G. [et al.] Chemotherapie der Kriegsverletzungen, beziehungsweise ihre Prophylaxe mit Rücksicht auf die Gasphlegmone. Zbl. ges. Hyg., 1943, **51**: 58 (Abstr.)—**Lange-Sundermann.** Behandlung infizierter Kriegsverletzungen; Provocin. Med. Klin., Berl., 1940, **36**: 1252 (Abstr.)—**Luten, J. F.** Battle casualties with special reference to the use of the sulfonamides. J. Indiana M. Ass., 1943, **36**: 652–4.—**Palmer** [Chemotherapy of infected wounds with special reference to surgical war injuries] Nord. med., 1940, **8**: 2600–3.—**Swett, P. P.** Chemotherapy in war wounds and compound fractures. In: Essent. Emerg. Tr. (Connecticut M. J.) N. Haven, 1942, 29–32.—**Thrower, W. R.** Chemotherapy. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 96–104.

—— Treatment: First treatment.

See also **Battle,** Medical work; **Battlefield,** Medical activities; **Combat zone; First aid.**

Bauer, F. Om behandlingen av krigsskador å förbandsplatser och flyttande sjukhus. Allm. sven. läk. tidn., 1914, **11**: 753–7.—**Cardoso de Freitas, A.** Os feridos de guerra nos postos de socorros. Portugal méd., 1918, **4**: 551–62.—**Gorinevskaia, V. V.** Pervaja pomoščʹ i pervičnaja khirurgičeskaja obrabotka ran mirnogo i voennogo vremeni. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 88–104. ——— Pervaja pomoščʹ i lečenie povreždenij plečevogo pojasa i verkhnej konečnosti na etapakh sanitarnoj evakuacii. Ibid., 333–63. ——— Pervaja pomoščʹ i lečenie povreždenij nižnikh konečnostej na etapakh sanitarnoj evakuacii. Ibid., 363–84. ——— & **Kupriianov, P. A.** Metodika lečenija ranenij v pervye časy. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 94–109.—**Heinemann-Grüder, C.** Beurteilung der Kriegsverletzungen und ihre erste Behandlung. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 88–126; 6. Aufl., Dresd., 1943, 93–143.—**Hill, P. S., Lapp, W. A., & Tom, K. S.** The preoperative care of battle casualties. Bull. U. S. Army M. Dep,. 1946, **5**: 667–72.—**Renou, C. A. M.** The early treatment of battle casualties of soft tissues and bone. Austral. N. Zealand J. Surg., 1945–46, **15**: 193–205.—**Stratford, H. M.** First aid to the injured. Brit. M. J., 1941, **2**: 672.

—— Treatment: Hospitalization.

See also **Hospital service,** surgical.

Groves, E. W. H. The treatment of war injuries in base hospitals. Practitioner, Lond., 1939, **142**: 330–40.—**Mitchell, E. D., jr.** War injuries in an evacuation hospital. Memphis M. J., 1946, **21**: 148.—**Sapozhnikova, E. M.** [Hospitalisation et traitement des blessures cavitaires aux rayons de placement de la division et de l'armée] Khirurgia, Moskva, 1940, No. 9, 13–8.

—— Treatment: Methods.

Trueta Raspall, J. Treatment of war wounds and fractures. 146p. 19cm. Lond., 1939.

——— Treatment of war wounds and fractures, with special reference to the closed method as used in the war in Spain. 2. impres. 150p. 19cm. N. Y., 1940.

Atkins, R. R. G. Practical hints on the treatment of war injuries in forward areas. J. R. Army M. Corps, 1940, **75**: 152–9.—**Barroso, G.** Notas sobre recentes aquisições no tratamento de feridas e queimaduras. Arq. brasil. med. nav., 1942, **3**: 925–37, pl.—**Berezov, E. L., & Guljanicky, F. M.** O lečenii v Zheleznovodske voennykh povreždenij. In: Zheludoch. khir. Zheleznovodsk, Gorky, 1941, 293–301.—**Blauvelt, H.** The value of penicillin in the treatment of war injuries. Med. Press & Circ., Lond., 1945, **214**: 134–6.—**Gohrbandt, E.** Die Behandlung des zugrunde gehenden körpereigenen Eiweisses für die Kriegsverletzungen. Deut. med. Wschr., 1943, **69**: 843.—**Innes, A., & Ellis, V. H.** Battle casualties treated with penicillin. Lancet, Lond., 1945, **1**: 524–8.—**Linberg, B. E.** Antireticular cytotoxic serotherapy of frostbite and war wounds. Am. Rev. Soviet M., 1943–44, **1**: 124–9.—**Lyon, D. W.** Recent developments in the treatment of war casualties. J. Maine M. Ass., 1945, **36**: 19, &c.—**Nesterov, A. I.** Medicinskie pokazanija k primeneniju kompleksnoj terapii voenno-travmatičeskikh

poraženij i osnovnye lečebnye propisi. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 32–40.—**Newer** treatment of war injuries. Pub. Health Nurs., 1942, **34:** 366–70.—**Petrov, N. N.** Meropriiatija pri ranenijakh otdelnykh častej tela. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 228–40.—**Pevzner, M. I.** [Au sujet de l'élévation de l'effet du traitement complexe des traumatismes de guerre] Khirurgia, Moskva, 1940, No. 12, 104.—**Poliachek, J. G.** [Significance of therapeutic diet in treatment of war-traumas of the organs of locomotion and nervous sytem] Vopr. kurort., 1941, 54–9.—**Ravdin, I. S.** Recent advances affecting the care of military casualties. Mil. Surgeon, 1950, **106:** 177–81.—**Rieder, W.** Die modernen Grundsätze in der Behandlung von Kriegsverletzungen. Münch. med. Wschr., 1940, **87:** 1405.—**Vinkovski.** Organizacija i lečenie na leko ranenite. Voen. san. delo, Sofia, 1947, **2:** 68–72.—**Vogralik, V. G.** Opyt konservativnoj terapii voennoj travmy. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 16.

—— Treatment: Physical therapy.

See also such terms as **Exercise,** therapeutic; **Wounded,** Rehabilitation, etc.

Parfenov, A. P. Физиотерапевтическая рецептура при лечении боевых травм. 53p. 14½cm. Moskva, 1943.

Actinoterapia (L') nelle lesioni di guerra. Studium, Nap., 1915, **8:** 378–88.—**Dreyer, L.** Allgemeine und spezielle physikalische Nachbehandlung. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 304–37.—**Ehalt, W.** Wie werden Kriegs- und Friedensverletzungen nachbehandelt? Wien. med. Wschr., 1942, **92:** 539–43.—**Isaev, V. V.** [Physiotherapy of war traumata] Feldsher, Moskva, 1942, No. 7, 11–20.—**Krömer, K.** Die Nachbehandlung der Verletzungen im Frieden und im Kriege. Wien. klin. Wschr., 1941, **54:** 502–4.—**Langfeldt.** Ein Wort zur Kältebehandlung Kriegsverletzter. Aerztl. Rdsch., 1916, **26:** 321.—**Newman, L. B.** Method for producing soapy solution in whirlpool tank. U. S. Nav. M. Bull., 1946, **46:** 761–3.—**Pfab, B.** Zur Nachbehandlung von Kriegsverletzungen. Med. Klin., Berl., 1941, **37:** 853.—**Samitier Azparren, J.** Aplicación de la hidroterapia a las afecciones quirúrgicas de guerra. Casa del médico, 1948, 2. época, No. 87, 19–21.—**Snedecor, S. T.** Occupational therapy in orthopedic war injuries. Occup. Ther. Rehabil., 1944, **23:** 179.—**Valedinsky, I. A.** Opyt lečenija kurortnymi faktorami voenno-travmatičeskikh povreždenij za vremja vojny II. Klin. med., Moskva, 1948, **26:** No. 7, 66–70. ——— **Kulkov, A. E., & Zacepin, T. S.** Balneoterapija voennykh travm. Hosp. delo, 1946, No. 6, 24–30.

—— Treatment, surgical.

See also **Surgery,** traumatic; **Surgical technic.**

Atkins, H. J., & Holden, B. Treatment of battle casualties; second stage in two-stage operation. Lancet, Lond., 1945, **1:** 622.—**Beecher, H. K.** Preparation of battle casualties for surgery. Ann. Surg., 1945, **121:** 769–92.—**Jacobson, S. A.** [Pirogov's teachings on war injuries from the modern viewpoint] Khirurgia, Moskva, 1938, No. 6, 5–29.—**Joseph, E., Kook, N.** [et al.] General surgical experiences in war injuries. Harefuah, Tel Aviv, 1949, **36:** 3–8.—**Kirk, N. T.** Surgical care of the battle casualty. Proc. Interst. Postgrad. M. Ass. N. America (1944) 1945, 266–9.—**Moorhead, J. J.** Traumatic surgery and the war of tomorrow. Am. J. Surg., 1941, **52:** 197–9.—**Valude, E.** Des opérations inopportunes sur les blessés de guerre. Bull. Acad. méd., Par., 1915, 3. ser., **73:** 283.

—— unusual.

Barón, A. G. Soldado clavado en el suelo por un proyectil de mortero; curiosidades de la casuistica de guerra. Rev. españ. med. cir. guerra, 1939, **3:** 102.—**D., R.** Blessures de guerre singulières. Chron. méd., Par., 1917, **24:** 251.

—— by branches of service.

See also **Morbidity.**

Gorinevskaia, V. Travmatizm v armii i flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 500–5.—**Teneff, S.** Le ferite accidentali della mano da scoppio della cartuccia nel caricatore del fucile. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 1145.—**Vetter.** Otologische Untersuchung einer Mot. Ik. Kp. Schweiz. med. Wschr., 1942, **72:** 1127–9.

—— by branches of service: Air Force.

See also **Acceleration,** Injuries and diseases.

Hass, G. Relations between time of day occurence of aircraft accidents and injuries to occupants of aircrafts at Randolph Field, Texas, in 1942 [6] l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 120, U. S. Air Force School Aviat. M.

—— Relations between time of day, nature of aircraft accidents, types of aircraft and degrees of injury to flying personnel at Randolph Field, Texas, in 1942. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 123, U. S. Air Force School Aviat. M.

—— The relations between injuries due to aircraft accidents at Brooks Field, Texas, in 1942 and the causes and nature of the accidents. 13p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 144, U. S. Air Force School Aviat. M.

—— Relations between injuries to occupants of aircraft and the time of day at which aircraft accidents of various types and causes occurred at Brooks Field, Texas, in 1942. 13p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 146, U. S. Air Force School Aviat. M.

—— Relations between injuries to occupants of aircraft and the time of day at which aircraft accidents of various types and causes occurred at Brooks Field, Texas, in 1942. 7p. 28cm. Wash., 1943.

Also Forms Rep. No. 167, Com. Aviat. M. U. S. Nat. Res. Counc.

—— An analysis of relations between force, aircraft structure and injuries to personnel involved in aircraft accidents with recommendations for safer principles in design of certain types of aircraft. 13p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 187, U. S. Air Force School Aviat. M.

Schneider, B. A. Progress in the investigation of injuries resulting from aircraft accidents in the U. S. Army Air Forces (for several months from 1943 to July 1944) v. p. 10 pieces. 28cm. Wash., 1943–44.

Forms Nos. 192, 247, 283, 303, 320, 327, 356, 357, 369, and 372, of Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. National Research Council. Committee on Aviation Medicine. Report No. 292: Injuries resulting from aircraft accidents, U. S. Army Air Forces, Continental U. S., for December 1943 [9]p. 28cm. Wash., 1944.

Campbell, I. M. Hailstone bruises in a high altitude aircraft accident. Air Surgeon Bull., 1944, **1:** No. 5, 7.—**Carlson, W. A.** Craniocerebral injuries in the AAF. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 2.—**Cato, E. T., & Darmady, E. M.** Some aspects of Royal Air Force casualties; with notes on the bacteriology of war wounds. Austral. N. Zealand J. Surg., 1943–44, **13:** 98–106.—**Dick, I. L.** The management of multiple injuries in aircrews. Edinburgh M. J., 1945, **52:** 61–73.—**Gardner, C. E.** Air force battle casualties; an experience with acute injuries of eight hundred and thirty-nine battle casualties from the Eighth Air Force. Arch. Surg., 1946, **53:** 387–406.—**Gertman** [Incorrect jumps as cause of injuries of the tibiotarsal joint] Voen. san. delo, 1935, 25.—**Greifer, G., & Platonov, K.** O nekotorykh vidakh travm u letnogo sostava. Ibid., 1941, 98.—**Injuries** in aircraft accidents. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 9, 1–24, illust.—**Ivanov, V. A.** Perelomy konečnostej u ličnogo sostava aviacii. Voen. med. J., Moskva, 1947, No. 6, 26–34.—**Karavanov, A. G.** Perelomy pozvonočnika u letnogo sostava po materialam centralnogo aviacionnogo hospitalja. Ibid., 1946, No. 4, 37–44.—**Lagrot, F.** Les brûlures dans l'aviation. Rev. Corps san. mil., Par., 1945, **1:** 179–90.—**Lyons, H. A.** The handling of common head injuries occurring in aviation personnel. Contact, Pensacola, 1943–44, **3:** 235–8.—**MacFee, W. F.** The treatment of Air Force combat casualties. Ann. Surg., 1944, **120:** 1–11.—**Schneider, J.** Die Leitverletzung und ihre Bedeutung für die Fliegerei. Arch. orthop. Unfallchir., 1942–43, **42:** 270–91.—**Taylor, V. J. M.** Rehabilitation of injured air crews. Brit. M. J., 1941, **2:** 559.

—— by branches of service: Amphibious forces.

See also **Amphibious warfare.**

Ferguson, L. K. Surgical casualties of amphibious warfare. U. S. Nav. M. Bull., 1944, **43:** 73–9.—**Matros, N. H.** Casualties during amphibious combat operation. Ibid., 1945, **44:** 909–15.—**Method** of handling casualties in amphibious operation. Hosp. Corps Q., 1943, **16:** No. 4, 134–6.—**O'Neill, J. N.** Surgical phase of amphibious warfare. U. S. Nav. M. Bull., 1945, **45:** 705–10.—**Summary** of casualties in landing operations; results three weeks later. Hosp. Corps Q., 1943, **16:** No. 2, 80.

—— by branches of service: Armored forces.

Chute. Are there any special types of casualties in an armoured unit that differ from, say, an infantry unit? Univ. Toronto M. J., 1942–43, **20:** 296.—**Eddy, H. C.** Plan for the care of surgical casualtics in the Armored Division. Mil. Surgeon, 1942, **91:** 257–83.—**Rumble, E. T.,** jr, & **Millspaugh, J. A.** Tank casualty; a case report. U. S. Nav. M. Bull., 1943, **41:** 1123–6.

—— by branches of service: Artillery.

Alekseev, H. Shumovaja travma v artillerii. Voen. san. delo, 1940, No. 4, 81–93.—**Brüggemann, A.** Schädigung des Gehörorgans bei einer grossen Artillerie- und Minenschlacht im Weltkriege. Med. Klin., Berl., 1940, **36:** 725.—**James, J. A.** Gun blast and the use of moulded ear defenders. J. Lar. Otol., Lond., 1945, **60:** 294–7, pl.—**Kiml, J.** Poškození a ochrana sluchu v palebném stanovišti. Voj. zdrav. listy, 1947, **16:** 8–15.—**Machle, W.** Effects of gun blasts on hearing. Arch. Otolar., 1945, **42:** 164–8.—**Markellov, N.,** & **Temkin, I.** [Study of traumatism in the artillery during peace] Ortop. travmat., Kharkov, 1933, **7:** 20–31.—**Mikhailovsky, S. V.,** & **Udincev, V. N.** K voprosu o metodakh zaščity organa slukha u artilleristov i tankistov. Tr. Perm. gosud. med. inst., 1933, Aug.–Oct., 110–2.—**Murray, N. E.,** & **Reid, G.** Temporary deafness due to gunfire. J. Lar. Otol., Lond., 1946, **61:** 92–30, 6 pl. —— Experimental observations on the aural effects of gunblast. Med. J. Australia, 1946, **1:** 611–7.—**Schmid, W.** Ueber zwei typische Verletzungen beim Schiessen mit Infanteriekanone. Schweiz. med. Wschr., 1937, **67:** 577.—**Suggit, S. C.** Gunnery and blast deafness. J. R. Nav. M. Serv., 1945, **31:** 151–5.—**Wasizuka, M.** Sanzyūhati-siki yahō kūhō ni in-suru bakusō no iti rei [A case of injury caused by the explosion of blank cartridges of a Model 38 field gun] Gun idan zassi, 1925, 1185–8.

—— by branches of service: Navy.

Carll, F. W., Deaver, J. M., & **Phillips, R. B.** The Norfolk explosion disaster. U. S. Nav. M. Bull., 1944, **42:** 284–92.—**Case** incidence rates for diseases and noncombat injuries. Annual Rep. Surg. Gen. U. S. Navy, 1945, 57–67.—**Casualties** in the medical services; Royal Navy. Brit. M. J., 1941, **1:** 693.—**Dearing, A. H.** Report of injuries admitted to the hospital ship in one year. U. S. Nav. M. Bull., 1935, **33:** 14–27.—**Deck** explosions causing injuries about the knee associated with vascular changes in the extremities. Bumed News Lett., Wash., 1944, **4:** No. 7, 23.—**Heiman.** K voprosu ob uveličenii travmatičeskikh povreždenij vo flote za poslednie desjat let. Tr. Obshch. russ. vrach. pam. Pirogova, 1905, **5:** 20.—**Kholin, S.** [Traumatism in the Russian Navy and means of prevention] Voen. san. delo, 1929, No. 4, 115–21.—**Sinobu, T.** [Statistical observation of the official injuries occurring in the Naval harbour office at Kure.] Bull. Nav. M. Ass., Tokyo, 1939, **28:** 52.—**Smith, G. W.** Treatment of combat casualties aboard ship. Bull. Am. Coll. Surgeons, 1943, **28:** 122.—**Teneff, S.** Le ferite della guerra marittima. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 504–6, illust.—**Walters, W.** Treatment of war casualties. North Carolina M. J., 1944, **5:** 222–7. Also Philadelphia M., 1944–45, **40:** 249–56.—**Zur Verth, M.** Leitsätze für die erste Behandlung von Seekriegsverletzungen. Münch. med. Wschr., 1914, **61:** 2189.

—— by countries.

See also under **Wars and campaigns; World War I; World War II.**

Ducheneau, L., & **Roca, C. A.** El traumatismo en el ejército argentino. Rev. san. mil., B. Air., 1934, **33:** 351–66.—**Injuries** among military personnel in the United States. Bull. U. S. Army M. Dep., 1945, No. 89, 43.—**Kostiurin, V. S.,** & **Ornatskaia, N. V.** [Causes and conditions of traumatism in the Red Army] Voen. med. J., Moskva, 1933, **4:** 289–97.—**Novotelnov, S. A.** [Trauma in the Red Army in peace time] Tr. Acad. mil. méd. Kiroff, 1935, **3:** 123–31.

—— by organs and regions.

See also under names of organs and regions as **Ear injury; Extremity injury; Eye injury; Face; Finger; Foot; Genitals; Head injury; Heart injury; Jaw; Neck; Nervous system; Spine; Thorax; Urogenital apparatus,** etc.

Dorronsoro Montes, A. Normas generales que seguimos en el tratamiento de los heridos cavitarios. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 95–8.—**Gurevich, N. I.** [Blessures de la poitrine et du ventre selon les traditions de Pirogov] Khirurgia, Moskva, 1940, No. 4, 7–13.—**Neufeld, A. J.** Bones, joints, and muscles. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 180–8.

—— by organs and regions: Abdomen.

See also other subheadings (Compression; Concussion) also **Immersion blast; Surgical technic,** Abdominal surgery; **Wound**—by organs and regions: Abdomen.

Gohrbandt, E. Die Verletzungen des Bauches. p. 281–336. 20cm. Dresd., 1944.
In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944.

Gordon-Taylor, G. The abdominal injuries of warfare. 87p. 23½cm. Bristol, 1939.

Schmieden, V. Bauch. p. 700–73. 24½cm. Lpz., 1917.
In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917.

Atanasian, L. A. [Subcutaneous ruptures of the abdominal organs and the transabdominal space] Feldsher, Moskva, 1940, No. 2, 9–13.—**Banaitis, S. I.** Povreždenija života. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 292–313. —— & **Bocharov, A. A.** Klassifikacia i častota ranenij života. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12:** 32–43.—**Bainbridge, W. S.** The remote effects of abdominal trauma. Congr. internat. méd. pharm. mil., 1935, **8:** pt 1, 203–16.—**Bocharov, A. A.** Obščaja kharakteristika ranenij života. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12:** 44–77.—**Brewster, J. M.** Acute traumatic diaphragmatic hernia; a case report. U. S. Nav. M. Bull., 1938, **36:** 572–5.—**Carerj, L.,** & **Colombo, C.** Sindrome paraperitoneale; importanza nel funcionamento del Nucleo chirurgico. Minerva med., Tor., 1940, **31:** pt 2, 469–72.—**Dyson, C.** Wartime abdominal injuries. Med. J., Lond. (Can.) 1943, **13:** 1–5.—**García Morán, J.** Notas sobre heridos de vientre. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 150–63.—**Gardner, C. M.** Abdominal trauma. Treatm. Serv. Bull., Ottawa, 1949, **4:** No. 4, 13–21.—**Gilorteanu, I.,** & **Costescu, P.** Les séquelles des blessures abdominales de guerre. Congr. internat. méd. pharm. mil., 1935, **8:** pt 1, 251–76.—**Gordon-Taylor, G.** The abdominal injuries of warfare. Brit. M. J., 1939, **2:** 181; 235. Also in War Wounds (Brit. M. J.) Lond., 1939, 115–36. —— Abdominal injuries in modern warfare. Brit. M. J., 1942, **1:** 366. Also Med. Press & Circ., Lond., 1942, **207:** 144–6.—**Hook, F. R.** Ventral hernia as a sequel of the traumatic abdomen. Congr. internat. méd. pharm. mil., 1935, **8:** pt 1, 231–50.—**János, G.,** & **Robicsek, F.** Fedett hasi sérülések. Honvédorvos, 1950, **3:** 558–66.—**Joergenson, E. J.** The abdomen. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 172–5.—**Johnson, L. W.** The post-traumatic abdomen; diaphragmatic hernia as a sequel of war injuries. Congr. internat. méd. pharm. mil., 1935, **8:** pt 1, 217–30.—**Lathe, G. H.,** & **Cameron, K. G.** Biochemical studies on wounded men; the condition of abdominal cases on admission to field dressing stations. Proc. Com. Army M. Res. (Canada) 1945, 8. meet., No. 2, C.6243b, 1–3, tab.—**Lattanzio, R.** Osservazioni cliniche sugli addominali di guerra. Arch. ital. chir., 1942, **63:** 232–44.—**Marsden, C. M.** Traumatic diaphragmatic hernia. J. R. Army M. Corps, 1947, **89:** 71–8.—**Naegeli, T.** Ueber Bauchkriegsverletzungen. Schweiz. med. Wschr., 1940, **70:** 894–6.—**Ohsima, K.** Batei-syō ni insuru kūtyō hika zendan ken migi gai-tyōkotu-dōmyaku sensoku ni yoru migi katai dasso no iti rei [A case of gangrene of the right lower limb due to embolism of the right external iliac artery and also a complete subcutaneous break in the jejunum, caused by a wound made by the hoof of a horse] Gun idan zassi, 1929, No. 190, 321–8, illust.—**Petrov, N. N.** Ranenija života i taza. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 301–25.—**Pireaux** & **Beyne.** Séquelles des blessures de l'abdomen. Congr. internat. méd. pharm. mil., 1935, **8:** pt 1, 277–98.—**Ramm, M. G.** Povreždenija života. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 223–39.—**Rob, C. G.** The diagnosis of abdominal trauma in warfare. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 51–3. Also Surg. Gyn. Obst., 1947, **85:** 147–54.—**Shraer, I. A.** Smertnost pri pronikajuščikh ranenijakh života v vojskovom rajone. Khirurgia, Moskva, 1946, No. 9, 46–50.—**Shucksmith, H.** Abdominal injuries in battle casualties. Univ. Leeds Med. Mag., 1945, **15:** 95–106.—**Steuber.** Traumatische Durchlöcherung des Zwerchfells. Deut. Militärarzt, 1938, **3:** 350.—**Storck, A. H.** Abdominal trauma associated with orthopedic casualties. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 305–9.—**Swinney, J.** Report on a case of traumatic diaphragmatic hernia repair using the transpleural approach. J. R. Army M. Corps, 1942, **79:** 297–300.—**Torres Marty, L.** Traumatología abdominal de guerra. Rev. espaň. med. cir. guerra, 1941, **6:** 321–38.—**Uffreduzzi, O.** Gli addominali di guerra. Gior. med. mil., 1937, **85:** 578–84. —— Le lesioni sottocutanee dell'addome da agenti traumatizzanti ottusi. In his Chir. guerra, Tor., 1940, 1015–8.—**Vich, J.** [Injuries of the abdomen during war] Cas. lék. česk., 1937, **76:** 1293–5.—**Weinholtz.** Beitrag zum Kapitel der stumpfen Bauchverletzungen. Deut. Militärarzt, 1937, **2:** 285.

—— by organs and regions: Abdomen: Gunshot injury.

Gohrbandt, E. Die Kriegsschussverletzungen des Bauches. p. 249–305. 20cm. Dresd., 1941.
In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd.

—— [The same] p.277–332. 20cm. Dresd., 1943.
In: Feldchirurgie (Käfer, H.) 5–6. Aufl., Dresd.

STEINDL, H. Ueber Bauchschussverletzungen. p.59–130. 24½cm. Wien, 1944.
In: Bd. 2, of Kriegschirurgie (Zimmer, A.) Wien.

UFFREDUZZI, O. Le ferite d'arma da fuoco della parete e degli organi addominali. p.891–1022. 25cm. Tor., 1940.
In his Chir. guerra, Tor.

—— Le ferite d'arma da fuoco penetranti dell'addome con lesioni di organi parenchimatosi. p. 906–40. 25cm. Tor., 1940.
In his Chir. guerra, Tor.

Blümel, P. Die Schussverletzungen des Bauches. Bull. War M., Lond., 1942–43, **3**: 381 (Abstr.)—**Fischer, A. W.** Bauchschüsse (Wehrmedizin) Deut. med. Wschr., 1939, **65**: 1817–20.—**János, G.** A has lőtt sérülései. Honvédorvos, 1950, **2**: 611; 1951, **3**: 39; 127, illust.—**Ratner, L. M.** Ognestrelnye ranenija brjušnoj polosti i ikh otdalennye posledstvija. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 189–95, 2 pl.—**Troell, A.** Bukskottskador i krig, särskilt med hänsyn till behandlingen. In: Handledn. & Försvarsmed., Stockh., 1940, **2**: 245–57.

—— by organs and regions: Abdominal viscera.

Bainbridge, W. S. Delayed effects of trauma of the abdominal viscera. Mil. Surgeon, 1944, **94**: 135–9. Also Lek. wojsk., 1945, **36**: 104–8. Also Spanish transl., Rev. Esc. méd. mil., Méx., 1944, **3**: No. 16, 26–30.—**Lindenbaum, I. S.,** & **Gurvich, S. V.** Kliničeskoe značenie rentgenologičeskogo issledovanija pri ognestrelnykh pronikajuščikh ranenijakh brjušnoj polosti. Vest. khir., 1946, **66**: No. 3, 41–5.—**Odes, L. A.** Dva slučaja kombinirovannogo ognestrelnogo ranenija podželudočnoj železy i drugikh organov brjušnoj polosti. Ibid., 1945, **65**: No. 5, 72.—**Uffreduzzi, O.** Le ferite d'arma da fuoco del fegato e delle vie biliari extraepatiche. In his Chir. guerra, Tor., 1940, 906–26, illust. ——— Le ferite d'arma da fuoco della milza. Ibid., 928–40, illust.

—— by organs and regions: Bladder.

See under **Urogenital apparatus,** Injury.

—— by organs and regions: Blood vessels.

See also **Hemorrhage; Surgical technic,** cardiovascular.

Baev, V. K. Ranenie krupnykh magistralnykh sosudov v vojskovom i armejskom rajonakh. Voen. med. J., Moskva, 1947, No. 2, 5–12.—**Bichman, B. M.** Vtoričnye krovotečenija pri povreždenii krupnykh sosudov. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 90–111.—**Bradford, B.,** jr. Vascular injuries in battle casualties. Clin. Bull., Clevel., 1945, **9**: 83–6. Also West Virginia M. J., 1946, **42**: 105–8. ——— & **Moore, M. J.** Vascular injuries in war. Surg. Gyn. Obst., 1946, **83**: 667–73.—**Brown, J. J. M., Boyd, A. M.** [et al.] Discussion on vascular injuries in war. Proc. R. Soc. M., Lond., 1945–46, **39**: 483–94.—**Crile, G.,** jr. Management of injuries of major blood vessels. U. S. Nav. M. Bull., 1945, **45**: 1076–80.—**Elkin, D. C.** Vascular injuries of warfare. Ann. Surg., 1944, **120**: 284–310. Also Tr. Am. Surg. Ass., 1944, **62**: 284–310. ——— Research in peripheral vascular diseases and injuries. Res. Program U. S. Army M. Res. Bd, 1947, July, 109.—**Fuchsig, P.** Die gedeckte Gefässverletzung im Felde. Wien. med. Wschr., 1944, **94**: 370.—**Gage, M.** Lesiones traumáticas de los vasos periféricos en la práctica civil y militar. América clín., 1942, **3**: No. 5, 106–8.—**Gray, H. K., Benson, C. D.** [et al.] Early recognition and treatment of vascular injuries. U. S. Nav. M. Bull., 1946, **46**: 14–24.—**Griffiths, D. L.** Vascular injuries. In: Interallied Conf. War Med. (1942–45) 1947, 172.—**Haberland, H. F. O.** Schussverletzungen der Blutgefässe. Klin. Wschr., 1943, **22**: 152 (Abstr.)—**Herlyn, K. E.** Ueber die Erkennung und Behandlung von Gefässverletzungen. Bull. War M., Lond., 1942–43, **3**: 503 (Abstr.)—**Homans, J., Allen, A. W.** [et al.] Vascular injuries. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 197–260.—**Jarushevich, A. D.** Ranenija krupnykh krovenosnykh sosudov grudi. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **9**: 489–520, pl.—**Kravchenko, P. V.** Ognestrelnoe ranenie krovenosnykh sosudov. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 440–4.—**Kupriianov, P. A.** Ognestrelnye povreždenija krupnykh sosudov konečnostej. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 384–402, 2 pl.—**Leitner.** A propos des plaies sèches des gros vaisseaux. Bull. Soc. méd. mil. fr., 1945, **39**: 270–2.—**Leo, G.** Les plaies vasculaires sèches. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 84.—**Linhart, W.** Gefässverletzungen des jetzigen Krieges. Wien. med. Wschr., 1942, **92**: 433.—**Mitrovitch.** Plaies des vaisseaux. Rev. Corps san. mil., Par., 1946, **2**: 144.—**Moore, B.** Traumatic lesions of large blood vessels treated in a prison camp in Germany. Austral. N. Zealand J. Surg., 1943–44, **13**: 241–3.—**Mysh, V. M.** Poučitelnaja kazuistika otkrytykh i zakrytykh povreždenij krovenosnykh sosudov. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 150–64.—**Ochsner, A.** The rationale of overcoming sympathetic vasoconstrictor impulses in the presence of trauma. Bumed News Lett., Wash., 1944, **4**: No. 6, 1–3.—**Odom, C. B.** Vascular injuries in battle casualties. In: Interallied Conf. War Med. (1942–45) 1947, 167–71.—**Parmenov, V. I.** Ranenija krovenosnykh sosudov v vojskovom rajone. Khirurgia, Moskva, 1946, No. 2, 40–7.—**Petrov, N. N.** Borba s krovotečeniem v svežikh ranakh i lečenie povreždenij sosudov. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 191–205.—**Radushkevich, V. P.** K voprosu ob ognestrelnykh povreždenijakh krupnykh krovenosnykh sosudov i ikh operativnom lečenii. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 53–64.—**Seedorf, J.** [Vessel injuries] Militaerlaegen, 1939, **45**: 140–6.—**Smith, R. W.** A stab wound of the femoral artery. J. R. Nav. M. Serv., 1942, **28**: 63.—**Snyder, J. M.** Vascular wounds; report of a series of 108 cases encountered in a forward evacuation hospital. Surgery, 1947, **21**: 77–85.—**Stabholz, H.** Quelques remarques sur le traitement chirurgical des blessures des vaisseaux. Off. Rep. Internat. Congr. Mil. Pharm., 1929, 5. Congr., 96.—**Teneff, S.** Le ferite recenti d'arma da fuoco dei vasi sanguigni. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 422–34.—**Trueta, J.** Traumatic vascular spasm. In his Principl. & Pract. War Surg., S. Louis, 1943, 141–6, illust.—**Turovec, I. G.** [Gun-shot injuries of the blood-vessels] Ortop. travmat., Kharkov, 1940, **14**: No. 5, 55–68. Also Khirurgia, Moskva, 1942, No. 5, 35–46.—**Weisel, W.** Experience with peripheral vascular wounds. In: Interallied Conf. War Med. (1942–45) 1947, 173–9.

—— by organs and regions: Blood vessels: Complications and sequelae.

TENEFF, S. Le ferite d'arma da fuoco dei vasi sanguigni ed i loro postumi. p.422–58. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.) Tor.

VONCKEN, J., & MAISONNET, P. J. F. R. Blessures des vaisseaux par projectiles de guerre et leurs sequelles. p.162–258. 24cm. Lond., 1929.
Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr.

Angerer, H. Kriegsverletzungen der Blutgefässe und deren weitere Folgezustände. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 69–84.—**Bell, J.** Treatment of haematoma or serous abscess. J. R. Army Vet. Corps, 1942–43, **14**: 103.—**Bervar, M.** Prilog ispitivanju suficijentnosti kolaterala kod arteriovenosnih aneurizama. Voj. san. pregl., Beogr., 1948, **5**: 309–11.—**Bisset, R. D. N.** Traumatic aneurysm of the femoral artery. J. R. Nav. M. Serv., 1945, **31**: 257.—**Bogoraz, N.** Anevrizmy travmatičeskie. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 198–203.—**Burrows, H.** Arterio-venous aneurysms following gunshot wounds. In: Surg. Mod. Warfare (Bailey, H.) Edinb., 1940–41, 337–42. Also 2. ed., Balt., 1942, **1**: 250–5.—**Caccia, F.** Ferite dei vasi sanguigni e loro esiti. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 91. ——— Considerazioni clinico-statistiche e medico-legali infortunistiche sugli esiti tardivi delle ferite di guerra dei vasi sanguigni. Ibid., 92.—**Courbin.** Traitement hydrominéral des séquelles des plaies vasculaires. Ibid., 97.—**Defendi, S.** Aneurisma arterovenoso dei vasi femorali di sinistra. Gior. med. mil., 1943, **91**: 286–96.—**De La Cour, G., & Stephens, H. E. R.** Injuries to blood vessels and their sequelae. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 135–62.—**Francesco, G.** Conseguenze immediate e remote di ferite vasali. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 90.—**Giles, R. C.** A case report of dissecting aneurysm of the femoral artery of undetermined etiology and with unusual symptomatology. Mil. Surgeon, 1945, **97**: 460–2.—**Hukuda, M.** Sensyō-sei myaku-ryū tiken hoi (sensyō-sei myaku-ryū no byōrigaku-teki kōsatu); hu, myaku-ryū ni kan-suru igaku zyutugo to sono bunrui-hō ni tuite [Contribution to knowledge of aneurysm caused by war wounds (pathological observations of aneurysm caused by war wounds); supplement, medical terminology for aneurysm, and method of classification] Gun idan zassi, 1943, 1405–15, 2 pl.—**Lluesma-Uranga, E.** Clínica y terapéutica de las heridas de guerra de las arterias; secuelas de estas lesiones. Rev. cirug. B. Aires, 1941, **20**: 91–112.—**Martin, J. D.,** jr. Pulsating hematoma; report of cases. Bull. U. S. Army M. Dep., 1945, **4**: 219–24.—**Pârvulescu.** Les blessures des vaisscaux et leurs séquelles. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 99.—**Reed, W. C.,** & **Dillon, W. F.** Arteriovenous fistula; report of 4 cases. Mil. Surgeon, 1944, **94**: 261–5.—**Saitō, T.** Late effects of gunshot injuries of the blood vessels. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 100–3.—**Slupsky, N. E.** [A case of A. anonyma ligature in connection with traumatic aneurysm] Voen. med. J., Moskva, 1944, 49–51.—**Stich, R.** Gefässverletzungen und deren Folgezustände; Aneurysma. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 252–73.—**Sylvester.** Arteriovenous aneurysms. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 223–6.—**Teneff, S.** L'ematoma pulsante. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 435–8. ——— L'aneurisma arterioso. Ibid., 438–49, illust. ——— L'aneurisma arterio-venoso. Ibid., 449–54, illust. ——— Pseudoaneurisma. Ibid., 454.—**Wachsmuth, W.** Das arterio-venöse Aneurysma als Kreislaufkurzschluss. Deut. Militärarzt, 1943, **8**: 541–4.—**Yamada, K.** Kyodai-naru kessyu no iti rei [An instance of a gigantic hematoma] Gun idan zassi, 1929, No. 192, 965–70, illust.

—— by organs and regions: Bones and joints.

See also **Fracture; Joint.**

Barbier & Bolot. Séquelles de blessures ostéo-articulaires de guerre posant des problèmes complexes de thérapeutique. Mém. Acad. chir., Par., 1946, **72**: 465.—**Delrez.** Le traitement des blessures de guerre du squelette. Bruxelles méd., 1939–40, **20**: 598.—**Dickson, F. D.** Injuries of bones and joints. Bull. Am. Coll. Surgeons, 1943, **28**: 137.—**Furlong, R., & Clark, J. M. P.** Missile wounds involving bone. Brit. J. Surg., War Surg. Suppl., 1948, 291–310.—**Heggie, J. F., Kendall, A. W., & Heggie, R. M.** Heridas infectadas que interesan los huesos tratadas con sulfapiridina y sulfatiazol. Rev. san. mil., B. Air., 1943, **42**: 468–78.—**LeCocq, E. A.** War injuries of bones. Northwest M., 1944, **43**: 331–3.—**Leriche.** Demonstrations on bone and joint injuries. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 842–5.—**Milne, R.** Wounds of bone. In: Surg. Mod. Warfare (Bailey, H.) Edinb., 1940–41, 503–23. ——— & **Bailey, H.** [The same] Ibid., 2. ed., Balt., 1942, **2**: 657–77.—**Pugh, H. L.** Injuries of bones and joints. Bull. Am. Coll. Surgeons, 1943, **28**: 130–2.—**Risolía, A.** Heridas por armas de fuego en los huesos y articulaciones. Bol. Inst. clín. quir., B. Air., 1945, **21**: 81–9.—**Steffens.** Ueber intraossale Steckschuss-Kriegsverletzungen. Ber. Internat. Kongr. Unfallmed. (1938) 1939, 8. Congr., **2**: 787–90.—**Weeden, W. M., & Stein, H. D.** Observaciones sobre traumatismos y afecciones de los huesos en la segunda guerra mundial [Transl.] An. cirug., B. Air., 1945, **4**: 937–42.—**Wilson, P. D.** The treatment of war injuries of the skeletal system. Am. Rev. Soviet M., 1944–45, **2**: 395.

—— by organs and regions: Brain.

See under **Head injury.**

—— by organs and regions: Buttocks.

Bahls, G. Beitrag zur Hypogastricaunterbindung bei Gesässbackenverletzungen. Deut. Militärarzt, 1943, **8**: 3–5.—**Brandt, H.** Gesäßsteckschuss und Gasbrand. Ibid., 295–7.—**Buttock** (A) wound. Brit. M. J., 1943, **2**: 501.—**Feder, I. A.** Wounds of the buttocks and rectum. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 39–42. ——— Wounds of the buttocks and rectum, with special emphasis on proctoscopy. Mil. Surgeon, 1950, **106**: 125–30.—**Gordon-Watson, C., & Morgan, C. N.** Wounds of the rectum and buttocks. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 911–20.—**Leclerc, P. F., & Sautter, Y.** La contracture abdominale dans les plaies de la fesse par projectiles de guerre. Mém. Acad. chir., Par., 1941, **67**: 336–8.

—— by organs and regions: Cranium.

See under **Head injury.**

—— by organs and regions: Digestive tract.

See also other subheadings; also **Esophagus; Gastrointestinal tract; Intestine; Stomach.**

Nikolaev, G. F., Survillo, O. N., & Metelica, I. I. Проникающие ранения живота; ранения полых органов. p.142–232. 26½cm. Moskva, 1949.

In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12**:

Kubitzki. Drei Verletzungen der Bauchspeicheldrüse, des Dünndarms und des Mastdarms durch stumpfe Gewalt. Deut. Militärarzt, 1938, **3**: 491–3.—**Melnikov, A. V.** A gyomor és bélsipolyok klinikuma a hasüreg lövési sérüléseinél. Honvédorvos, 1950, **2**: 448 (Abstr.)—**Metelica, I. I.** Pronikajuščie ranenija života; ranenija polykh organov; sroki dostavki ranenykh na divizionnye medicinskie punkty. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12**: 175–7. ——— [The same] ... simptomatologija i diagnostika. Ibid., 177–85. ——— Protivopokazanija k operativnym vmešatelstvam pri povreždenii polykh organov. Ibid., 185–9. ——— Podgotovitelnye meroprijatija pered operativnymi vmešatelstvami. Ibid., 189–91. ——— Sroki operativnogo vmešatelstva i operiruemost. Ibid., 191–3.—**Nikolaev, G. F.** Obezbolivanie. Ibid., 193–5. ——— Operativnye dostupy. Ibid., 195. ——— Povreždenija polykh organov, obnaruzhennye vo vremja operacii. Ibid., 196–201, 4 pl. ——— [The same] ... podvesnaja enterostomija. Ibid., 214.—**Ponomareva, Z. A.** K voprosu o lečenii sljunnykh svišćej. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 133–6.—**Stacy, H. S.** Twenty years after; wound of colon and compound fracture of femur, with wound of popliteal artery. J. R. Army M. Corps, 1940, **74**: 175.—**Survillo, O. N.** Patologičeskaja anatomija ognestrelnykh ranenij polykh organov. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12**: 144–75, pl.—**Teneff, S.** Le ferite d'arma da fuoco delle ghiandole salivari. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 707.

—— by organs and regions: Face.

See under **Head injury.**

—— by organs and regions: Respiratory tract.

See also **Larynx; Lung.**

Preobrazhensky, B. S., & Lure, M. S. Mestnoe primenenie belogo streptocida v lečenii ranenij verkhnikh dykhatelnykh putej. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 39–41.

—— by weapons.

Benassi, G. Le lesioni per armi da guerra; note traumatologiche e medico-legali. 104p. 23½cm. Bologna, 1919.

Also Pensiero med., 1918, **8**: Nos 1–6.

Bazhenova, M. A. Voennyj travmatizm; ognestrelnye povreždenija organa zrenija, kak odna iz pričin slepoty. Vrach. delo, 1928, **11**: 320–5.—**Hoche, O.** Ueber die durch die verschiedenen Waffenarten im menschlichen Körper entstehenden Verletzungen. Med. Klin. Berl., 1939, **35**: 1448–50.—**L., J.** Les blessures de guerre par armes modernes. J. sc. méd. Lille, 1913, **36**: pt 1, 366–74.

—— by weapons: Atomic weapons.

See **Atomic bomb,** Pathological effect; **Atomic warfare; Casualty,** atomic; also subheadings of **World War II** (Hirosima; Nagasaki)

—— by weapons: Bomb.

See also **Injury,** Blast.

Bauer, F. K. Air blast. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 25–7.—**Bell, R. C.** An analysis of 259 of the recent flying-bomb casualties. Brit. M. J., 1944, **2**: 689–92.—**Bomb** concussion and the ear. Lancet, Lond., 1940, **1**: 1054.—**Burbank, B., & Forsee, J. H.** Bomb blast injuries. Mil. Surgeon, 1943, **93**: 124–32.—**Coermann.** Bombenschäden. Hippokrates, Stuttg., 1944, **15**: 191.—**Cordes.** Die Wiederbeschaffung nach Bombenschäden. Zahnärztl. Rdsch., 1943, **52**: 327.—**De Luca, G.** Le lesioni da scoppio di bomba. Progr. med., Nap., 1944–45, **1**: 288.—**Lesioni** (Le) da bombe. Forze san., Roma, 1940, **9**: No. 14, 23–7.—**Levit, H.** Bomb concussion and the ear. Lancet, Lond., 1940, **2**: 344.—**Reimers.** Ueber die Versorgung von Bombenverletzten in einem Basislazarett. Chirurg, 1940, **12**: 145–52.—**Rostock.** Wundbehandlung bei Bombenverletzten. Zschr. ärztl. Fortbild., 1944, **41**: 182.—**Sekiya, T., Yamamoto, K., & Kō, T.** Taikei syōi-dan bakuha no sai ni okeru tyōki syōgai zikken [... the organs of hearing under circumstances of explosion of very large bombs] Nagoya igakkai zassi, 1943, **58**: 241.—**Selecman, F.** Bomb injuries. Dallas M. J., 1942, **28**: 34–6.—**Teneff, S.** Le ferite da bomba a mano. Boll. Soc. piemont. chir., 1939, **9**: 741–53.—**Travers, L. G.** Notes on some cases of multiple injuries resulting from bomb explosion. Austral. N. Zealand J. Surg., 1942–43, **12**: 74–6.

—— by weapons: Grenade and shell.

See also **Foreign body,** Localization.

Barroso, G., & Loyola, H. de. Grave ferimento por estilhaço de granada. Hospital, Rio, 1939, **16**: 361–4.—**Blank, E. I.** Nekotorye osobennosti ranenij oskolkami snarjadov minometa. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 40–5.—**Bong, A., & Skrzypek, A.** Złamania kości ramiennej przy rzucie granatem. Lek. wojsk., 1933, **21**: 786–96.—**Fahlen, T.** Injury from a hand-grenade with a rare intra-cranial complication. Acta otolar., Stockh., 1943, **31**: 77.—**Harttung, H.** Kontralaterale Geschwüre nach Granatsplitterverletzungen. Arch. klin. Chir., 1941–42, **202**: 320–8.—**Horváth, L.** [Fatal injury from explosion of a hand grenade] Orv. hetil., 1939, **83**: 237–9.—**Mott, N. F.** Fragmentation of shell cases. Proc. R. Soc., Lond., Ser. A., 1947, **189**: 300–8.—**Mueller, B.** Gerichtlich-medizinische Studien an Bomben- und Granatsplitterverletzungen. Zbl. allg. Path., 1943, **81**: 144 (Abstr.)—**Schlander, E.** Otitis media supp. acuta nach Trommelfellruptur infolge Granatverschüttung; Sinus-Bulbusthrombose, Sinus-Bulbusoperation, Abszess in der Thyreoidea; Heilung. Mschr. Ohrenh., Wien, 1940, **74**: 189–91.—**Smith, R.** Cannon-shell injuries. Lancet, Lond., 1943, **1**: 175.—**Szabó, J.** [Mass injuries by explosion of hand grenades] Orv. hetil., 1940, **84**: 284–6.—**Szily, A.** Schrapnellkugeln. In his Atlas Kriegsaugenh., Stuttg., 1916, 1. Lfg, 154–66, illust, pl. ——— Granatsplitter. Ibid., 167–86, illust., pl.—**Torres Marty, L.** Extracción a cielo abierto, de un proyectil de mortero enclavado en el abdomen. Rev. españ. med. cir. guerra, 1942, Año 5, 573–5.—**Vogl, A.** Eine Studie über Granatsplitterverletzungen. Deut. Zschr. Chir., 1944, **259**: 451–68.

—— by weapons: Gunshot injury.

See also other subheadings (—by organs: Abdomen; by weapons: Gunshot injury) also **Ballistics; Therapeutics; Wound infection.**

Meilly, O. L. Schussverletzungen; mit Ausnahme von Herzschüssen. 62p. 24cm. Berl., 1890.
Forms No. 4, Veröff. Krankengesch. Garnisonlazar.

Borst, M. Einwirkung der Schussverwundung und sonstiger Kriegsbeschädigungen auf die einzelnen Körpergewebe. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 61–100.—**Bullet wounds.** Bull. Army M. Dep., Lond., 1943, No. 22, 4.—**Cattaneo, A.** Ferita d'arma da fuoco. Gior. med. mil., 1851–52, **1**: 41–3.—**Disruptive** wounds from high-velocity projectiles. Brit. M. J., 1941, **2**: 881.—**Drenkhahn, R.** Zur Deutung der Befunde bei Nahschüssen. Deut. Militärarzt, 1942, **7**: 567.—**Elia.** Ferita da arma da fuoco. Gior. med. mil., 1851–52, **1**: 228–30.—**Fabre.** Ferita da arma da fuoco. Ibid., 157.—**Gurjevics, N. I.** Lövési eredetü periviszceritisek. Honvédorvos, 1950, **2**: 176 (Abstr.)—**Injuries** from gunfire. Accid. Bull. (U. S. Air Forces) 1945, June 5–7.—**Makhline, A.** Secondary haemorrhage in gunshot wounds. Bull. War M., Lond., 1941–42, **2**: 351 (Abstr.)—**Mariani.** Ferita da arma da fuoco. Gior. med. mil., 1851–52, **1**: 282.—**Marquet H., A.** Heridas producidas por proyectiles de guerra. Medicina, Méx., 1944, **24**: 452–5.—**Mazzolino.** Ferita d'arma da fuoco. Gior. med. mil., 1851–52, **1**: 99.—**Murakami, A., Tasiro, Y., & Sindō, T.** Syasō no saikingaku-teki kensa ni tuite [Inspection of bullet-wounds from a bacteriological standpoint] Gun idan zassi, 1938, No. 303, 942–4.—**Papa, A.** Il bleu di metilene nelle ferite di arma da fuoco; ricerche sperimentali e cliniche. Policlinico, 1942, **49**: sez. chir., 81–95.—**Patrucco & Dupont.** Ferita da arma da fuoco; amputazione; morte. Gior. med. mil., 1851–52, **1**: 315.—**Petrovszkij, B. V.** Tüzfegyver okozta sérülések utáni rekeszalatti tályogok. Honvédorvos, 1950, **2**: 606 (Abstr.)—**Raymond, G. H.** Wounds caused by blank cartridges. J. R. Army M. Corps, 1943, **81**: 142–5.—**Rückert, W.** Ueber Entstehung und Behandlung der Nachblutungen bei Schussverletzten. Deut. Militärarzt, 1942, **7**: 166–85.—**Sclaverani.** Su lo sbrigliamento primitivo delle ferite da arma da fuoco. Gior. med. mil., 1951–52, **1**: 252; 257.—**Shipachev, V. G.** [The clothing of the soldier as a factor in the characteristics of gunshot wounds; experimental investigation] Khirurgia, Moskva, 1942, No. 8, 41–4.—**Smith, S.** Injuries from projectiles. Edinburgh Postgrad. Lect. (1940–41) 1942, **2**: 382–400.—**Teneff, S.** Generalità di anatomia patologica delle ferite d'arma da fuoco. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 104–16.

—— by weapons: Gunshot injury: Type.

See also under names of organs and regions: also **Foreign body,** gunshot.

Banaitis, S. I. Ognestrelnye perelomy kostej konečnostej. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 338–62, 2 pl. ——— Ognestrelnye ranenija kisti i palcev. Ibid., 371–84.—**Eichler, P.** Die Beurteilung von Schusskanälen und Fisteln. Deut. Militärarzt, 1940, **5**: 268–70.—**Epstein, G. J.** Oŝibki pri lećenii ognestrelnykh povreždenij stopy. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 115–8.—**Fronstein, R. M.** Ognestrelnye ranenija predstatelnoj železy. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 112–5.—**Jakimov, K. I.** Redkij slućaj ognestrelnogo ranenija kisti. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 560.

—— by weapons: Mine.

See also **Mine.**

Curtillet, E., & Hamel. Contribution à l'étude des effets de souffle par éclatement de mine; le blast musculaire. Afrique fr. chir., 1945, 61–4.—**Heer, J.** Ueber Minenwerferverletzungen unter spezieller Berücksichtigung des Gasbrandes; Beitrag zur Kriegschirurgie. Schweiz. med. Wschr., 1942, **72**: 1442–7.—**Siebner, M.** Ueber Minenverwundungen. Deut. med. Wschr., 1943, **69**: 347 (Abstr.)

—— by weapons: Practice bullet.

Bętkowski, T. [Cases of wounds caused by wooden projectiles during instruction] Lek. wojsk., 1927, **10**: 263–70.—**Ciszkiewicz, H.** [Injuries caused by wooden practice bullets] Ibid., 1935, **25**: 540–5.

—— by weapons: Radiation injury.

See also **Atomic bomb,** Effect; **Radiation gamma.**

Brown, J. B., McDowell, F., & Fryer, M. P. Radiation burns, including vocational and atomic exposures; treatment, and surgical prevention of chronic lesions. Ann. Surg., 1949, **130**: 593–607. Also Tr. Am. Surg. Ass., 1949, **67**: 30–44, illust.—**Janker.** Röntgenschäden innerhalb der Wehrmacht. Ber. Arbeitstag. berat. Aerzte, 1944, **4**: 44. Also Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 43.

—— by weapons: Small arms.

Szily, A. Infanteriegeschosse. In his Atlas Kriegsaugenh., Stuttg., 1916, 1. Lfg, 140–54, illust., 2 pl. ——— Nahkampfmittel und indirekte Geschosse. Ibid., 186–90, illust.

INLAY.

See with **Denture,** Technic.

INOCULATION.

See **Immunization; Vaccination.**

INSANITY.

See also **Psychosis.**

Auld, F. C. Mental accountability under military law in Canada. Am. J. Psychiat., 1945–46, **102**: 629.—**Hoagland, H.** A new point of view about insanity. Research Rev. (U. S. Navy) 1948, May, 9–12.—**Lipscomb, A. E.** Mental accountability under military law. Am. J. Psychiat., 1945–46, **102**: 619–28.—**Manfredini, J.** O conceito de alienação mental em face do Código de vantagens. Rev. med. mil., Rio, 1943, **32**: 546–9.

INSECT.

See also **Entomology; Fly; Mosquito,** etc.

Hassett, C. C. The utilization of sugars and other substances by Drosophila. 17p. 27cm. Edgewood Arsenal, 1948.
Forms No. 133, Rep. Med. Div. Chem. Corps U. S. Army.

United States. Army. Surgeon-General's Office. The geographical distribution of some European arthropods of medical importance. 42 l. 27cm. Wash., 1942.

United States. Bureau of Entomology and Plant Quarantine. Division of Forest Insect Investigations. Research of insects affecting the Armed Forces conducted by the Division of Forest Insect Investigations, Beltsville, Maryland, November 16, 1944 to October 31, 1945. 4p. 28cm. Wash.[?] 1945.
Forms No. 170, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Hurlbut, H. S. The role of insects in the transmission of filtrable virus diseases. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 58.—**King, W. V.** Lone star tick (Amblyomma americanum) Ibid., No. 5, 81.—**Kyūketu** kontyū no saisyū narabi-ni sōhu yōryō [important points in the gathering and forwarding of blood-sucking insects] Rikugun zyūidan hō, 1942, 1176–8.—**Pavlovsky, E.** Kleśći (Acarina) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1296–9. ——— Klop (Cimex lectularius) Ibid., 1317. ——— Komar (Diptera; Nematocera) Ibid., 1374–7.—**Roeder, K. D.** Electrical and mechanical activity recorded from the insect thorax during flight. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 46–9.

INSECT control.

See also **Arctic service,** Medical aspect; **Barracks,** Hygiene; **DDT; Disinsectation; Fly control; Insecticide; Mosquito control.**

Armed (The) Services research and development report on insect and rodent control. Wash., No. 1, 1948–

Babcock, E. R. Studies on insect control; test of Quartermaster Corps Army Sprayer, Aerosol, Hand Operated, EX49–1. 14 l. 27cm. Camp Lejeune, 1949.
Forms Rep. No. 3, Res. Proj. NM 005 052/2, U. S. Nav. M. Field Res. Laborat.

McGovran, E. R., Fales, J. H. [et al.] Investigations on the control of insects and other arthropods of importance to the Armed Forces conducted by the Division of Control Investigations, Beltsville, Md., June 16, 1944 to October 31, 1945. 6p. 27cm. Wash.[?] 1945.
Forms No. 174, Rep. Insect Control Com. Nat. Res. Counc. U. S.

United States. Army. Chemical Corps. CML C quarterly progress report on insect and rodent control. No. 1–14. 14 Nos. 26½cm. Wash., 1945–47.

United States. Army Committee for Insect and Rodent Control. Minutes of the ... meeting. Wash., 2. meet., Jan. 30, 1945–

United States. Army Committee for Insect and Rodent Control. Subcommittee on Field Uses. Minutes of meeting. Wash., 1., 1944–

United States. Army Committee on Insect and Rodent Control. Subcommittee on Research and Development. Minutes. Wash. 1., 1944–

Area control of insects. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 72; 1947, July, 118. Also Armed Serv. Res. Rep. Insect & Rodent, 1948, 17–9.—**Blair, B. M., Eves, A. T.** [et al.] Observations on baited fly traps in Palestine, 1943–44. J. R. Army M. Corps, 1945, **85**: 51–7.—**Carpenter, S. J.** Insect control at Army training camps. J. Econom. Entom., 1944, **37**: 470–4.—**Churchill** project. Res. Program U. S. Army M. Res. Bd, 1947, July, 121.—**Control** of insects; Iwo Jima; Palau Islands; Tinian. In: Prev. Med. in World War II, Wash., 1948, **5**: 19; **8**: 184.—**Daley, C. J., & Bailor, W. R.** Operation of a pest control unit. Hosp. Corps Q., 1946, **19**: No. 4, 11–5.—**Fluno, J. A., Faulkner, F. S.** [et al.] Area control of insects. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 16–9.—**Gahan, J. B., & Peffly, R. L.** Egyptian project. Ibid., 1949, No. 6, 29.—**Gilbert, I. H., & Mason, P.** Cockroach control. Ibid., 17.—**Gordon, J. E.** Insect control. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 9, 33–45.—**Hale, F. C.** Developments in military insect control. Month. Bull. Bd Health Indiana, 1945, **48**: 131.—**Hamilton, M. G. B.** Insect and rodent control for occupation health. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 90–6.—**Insect** control. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **3**: 52–4.—**Insect** and rodent control supplies. J. Mil. M. Pacific, 1945, **1**: No. 2, 53–6.—**King, W. V.** Tick control. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 5, 80–2.—**Kirner, W. R.** The Chemical-Biological Coordination Center of the National Research Council. Ibid., 1948, No. 2, 65–9.—**Mangia, F.** Técnica da desinsectização no Exército brasileiro. Rev. med. mil., Rio, 1948, **37**: 465–88.—**Meyer, A. F., jr, & Lull, K. R.** Area spraying of DDT for insect control. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 5, 51–6.—**Motizuki.** Kokusol ni yoru Nankin-musi kuzyo siken seiseki [Results of experiments in destruction of bedbugs by means of kokusol (CCl_3NO_2)] Gun idan zassi, 1927, No. 174, 1447–9, illust.—**Pemberton, C. E.** Insect control problem in the Micronesian area. Q. Project Summary Off. Nav. Res., 1948, July, 404.—**Perry, W. J., & Burgess, B. F.,** jr. Studies on insect control. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 59–61.—**Protecting** military supplies and equipment against insects. Ibid., 1948, 22–5.—**Simmons, J. S.** Progress in the Army's fight against the insects. Phi Chi Q., 1944, **41**: 530–6. ——— The Army's new weapons against insect-borne diseases. Kentucky M. J., 1945, **43**: 13–7.—**Snyder, T. E., St. George, R. A.** [et al.] Protecting military supplies and equipment against insects. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 4, 18–23.—**Sullivan, W. N.** Chemical control of insects of military importance. Air Surgeon Bull., 1945, **2**: 16.—**Summary** of aerial operations for the control of insects at military installations in continental United States in 1947. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 2, 55–64.—**Swenson, J. P.** Outline of insect control measures. In: Prev. Med. in World War II, Wash., 1948, **5**: 29–36.—**Travis, B. V.** Alaska insect project. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 26; 1949, No. 6, 29.—**Wilson, C. S.** Insect control measures in the arctic. Ibid., No. 4, 54–6.

INSECTICIDE.

See also **DDT; Disinfestation; Disinsectation; Fly control; Insect control; Lousiness.**

Baxter, J. P., III. Insectides and rodenticides. In his Scientists Against Time, Bost., 1946, 360–76.—**Control** methods and evaluation investigations. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 67.—**Cross, H. F., & Fye, R.** Skin treatments. Ibid., 8.—**Development** of insecticides, insect repellents and related formulations. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 205.—**Dicke, R. J.** Attraction of flying insects to surfaces treated with residual insecticides. Q. Project Summary Off. Nav. Res., 1948, July, 392.—**Draïze, J. H.** Toxicity of insect repellents, miticides, lousicides, and insecticides. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 31.—**Eisman, L. P.** Miscellaneous tests and minor investigations. Ibid., 65.—**Fleck, E. E., & Gooden, E. L.** Development of specifications and standards. Ibid., 1. ——— Physical and chemical properties of insecticides. Ibid., 5.—**Gilbert, I. H., Wilson, H. G.** [et al.] Acquired resistance to insecticides. Ibid., No. 5, 28–32. ——— Premise treatment. Ibid., No. 6, 14–9.—**Holway, R. T., Mitchell, W. A., & Abdel Aziz Salah Effendi.** Population studies and larvicide investigations. Ibid., 63.—**Keatinge, A. F. H.** A hundred years of insecticides and repellents in the army; a historical summary. J. R. Army M. Corps, 1949, **92**: 290–312.—**Larvicide** investigations. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 74.—**Nelson, R. H., Fales, J. H., & Bodenstein, O. F.** Biological tests. Ibid., 6–8.—**Piédrola Gil, G.** Avances en la prática de las desinsectaciones mediante los nuevos insecticidas; su aplicación en hospitales, locales diversos y vehículos varios. Med. & cir. guerra, 1947, **9**: 83–91.—**Robinson, W.** Testing of insecticides by the micro-loop method. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 17–9.—**Roeder, K. D.** Physiological studies of the mechanism of action of insecticides and insect repellents. Ibid., No. 5, 56; No. 6, 45.—**Toxicity** of proposed insect repellents, insecticides, miticides, and lousicides. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 174.—**Use** of insecticides in military operations. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 24, 3–5.

—— Equipment.

Bechtold, P. G. Oxygen equipment in the dispersal of insecticides. Air Surgeon Bull., 1945, **2**: 68–70.—**Geer, H. A., Latta, R., & Lindquist, A. W.** The dispersal of insecticides. In: Advance. Mil. Med., Bost., 1948, **2**: 636–45.—**Gilbert, I. H., Anthony, D., & Crittenden, C.** Space spray studies (mosquitoes and flies) Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 16.—**Meyer, A. F.,** jr. Modification of C–47 aircraft for aerial spraying of insecticides. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: 10–5.—**New** bombs protect soldiers against disease. Bull. Chicago M. Soc., 1942–43, **45**: 731.—**Stocking, G. W.** Conversion of the Binks pressure sprayer and the knapsack sprayer for application of insecticides. Med. Bull. Medit. Theater U. S., 1945, **3**: 99–103.

—— Preparations.

Jachowski, L. A., jr, & Schultz, C. Contact acaricides; toxicity of six insecticides to adult ticks (Dermacentor andersoni, Stiles) 7p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. NM 005 014, U. S. Nav. M. Res. Inst.

Jenkins, D. W. A review of the insecticide hexachlorocyclohexane (666) 31p. 27cm. Edgewood Arsenal, 1945.

Forms No. 56, Rep. Med. Div. U. S. Chem. Warf. Serv.

Adams, A. D. Newer insecticides and repellents. Air Surgeon Bull., 1944, **1**: No. 10, 20.—**Bayer, Redies** [et al.] Insecticides and insect repellents. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 58–62.—**Chlordane** insecticides. Med. Bull. U. S. First Army, 1949, **4**: No. 9, 23.—**Fulton, R. A.** Aerosol investigations. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 6.—**Haller, H. L., & Cristol, S. J.** The development of new insecticides. In: Advance. Mil. Med., Bost., 1948, **2**: 621–6.—**Kelsey, D., Rodriguez-Torrent, R., & Fluno, H. J.** Studies on NBIN decomposition. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 3.—**Laudani, H., & Marzke, F. O.** Investigation of the effectiveness of methoxychlor as a roll spray. Ibid., 25.—**Lindane.** Ibid., 85–9.—**Maslov, P.** Insekticid K protivoparazitarnoe sredstvo. Voen. san. delo, 1940, No. 4, 53–8.—**Mello, P. de, & Jung, R. C.** O DDT na higiene militar. Rev. med. mil., Rio, 1948, **37**: 327–43.—**Nelson, R. H., Fales, J. H., & Bodenstein, O. F.** Aerosol investigations. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 5, 7–11.—**Norris, F. T.** The flying flit gun. Hosp. Corps Q., 1945, **18**: No. 4, 2.—**Roberson, L.** Dusts. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 10.—**Rodriguez-Torrent, R., & Fluno, H. J.** Development of emulsions for impregnation of clothing with repellents. Ibid., 4.—**Russell, P. F.** A note on D. D. T. Med. Bull. North Afr. Theater U. S., 1944, **2**: 8.—**Smadel, J. E., & Curtis, F. J.** Manufacture of insecticides, insect repellents, rodenticides, I. G. Farbenindustrie, A. G., Leverkusen and Elberfeld, Germany. CIOS Rep., Lond., 1945, Item 24, No. XXIII–20, 1–12.

—— Repellent.

Gerjovich, H. J., & Hopwood, M. L. Directions for purification of commercial grade compounds when used for the insect repellent NMRI–201. 2 l. 27cm. Bethesda, 1945.

Forms Rep. No. 7, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

Mathieson, D. R., & Wilson, C. E. Insect repellents; attempts to increase duration of effectiveness. 4p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

Pijoan, M., & Jachowski, L. A., jr. A method of evaluating the synergistic or antagonistic action of solvents on mosquito repellents. 9p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

——— A note dealing with the effect of certain simulated tropical conditions on the activity of two mosquito repellents. 4p. 26½cm. Bethesda, 1945.

Forms Rep. No. 6, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

—— Status of the insect repellents NMRI–201 and NMRI–448. 6p. 27cm. Bethesda, 1946.
Forms Rep. No. 9, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

—— & Gerjovich, H. J. A mixture of two new mosquito repellent chemicals effective on sweating skin; preliminary report. 7p. 26½cm. Bethesda, 1945.
Forms Rep. No. 4, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

Pijoan, M., Jachowski, L. A., jr. [et al.] Summary of investigations on mosquito repellents at the Naval Medical Research Institute, October 1944 to April 1945. 22p. 26½cm. Bethesda, 1945.
Forms Rep. No. 5, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

—— Summary of studies in new insect repellents. 12p. 27cm. Bethesda, 1945.
Forms Rep. No. 8, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

Dethier, V. G. Mechanism of action of insect repellents. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 50–3.—**Insect** repellents; attempts to increase duration of effectiveness. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 10.—**Mode** (The) of action of insect attractants and repellents. Armed Serv. Res. Rep. Insect & Rodent, 1948, 29. Also Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 215–7.—**N., F. T.** Insect repellents. Bumed News Lett., Wash., 1944, **3:** No. 13, 1–3.—**Personal** protection. Armed Serv. Res. Rep. Insect & Rodent, 1948, 6–12.—**Pijoan, M., Gerjovich, H. J.** [et al.] Studies on new insect repellents. U. S. Nav. M. Bull., 1946, **46:** 1506–22.—**Scholz, R. O.** The development of new insect repellents. In: Advance. Mil. Med., Bost., 1948, **2:** 646–51.—**Status** of the insect repellents NMRI–201 and NMRI–448. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 6.—**Travis, B. V., Morton, F. A., & Cochran, J. H.** Insect repellents used as skin treatments by the Armed Forces. J. Econom. Entom., 1946, **39:** 627–30.—**Willis, E. R., & Roth, L.** The mode of action of insect attractants and repellents. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 52.

INSEMINATION [artificial]

Barros, H. P. de. Considerações sobre a teoria e pratica da fecundação artificial. Rev. mil. med. vet., Rio, 1942, **5:** 45–8.—**Cortez, E.** Confronto do desenvolvimento de produtos por inseminação artificial x inseminação natural. Rev. mil. remonta vet., Rio, 1947, **9:** No. 51, 11–23.—**Dumas, A.** Considérations sur l'insémination artificielle des grandes espéces domestiques; relation d'un voyage d'études en Haute-Autriche. Rev. vét. mil., Par., 1948, **3:** 149–58.—**Gomes Vieira, J.** Inseminação artificial em bovinos. Rev. mil. med. vet., Rio, 1942, **5:** 55; passim.—**June** report on artificial insemination. Rep. U. S. Comm. Mil. Gov. Austria, 1947, No. 20, 47.—**Sejkora, K.** Podpora chovu mulů (soumarů) umělým osemeněním (oplozením) Voj. zdrav. listy, 1948, **17:** 144–6.

INSPECTION.

See also **Food inspection; Hospital,** Inspection; **Veterinary service.**

United States. Army. First Army. Office of the Surgeon. Medical Department questionnaire; inspector's guide, 1946. 210p. 26½cm. Governors Island, 1946.

Chamberlain, W. P. Sanitary inspection. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6:** 21–67.—**Maslinkovsky, T.** Medicinskij osmotr v armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 998–1000.—**Morev, V. A.** [Organization of sanitary-hygiene inspections of ships in the Navy] Tr. Voen. morsk. med. akad., 1941, **1:** 131–63.—**Penhallow, D. P.** Extracts from the note-book of a medical inspector. Mil. Surgeon, 1940, **86:** 36–44.—**Safford, V.** Nature's way; the function of medical inspections. Ibid., 1942, **91:** 48–55.

INSTRUCTION.

See also **Education; Training; Training aid;** also the caption Instruction under the following headings: **Aeromedicine; Altitude; Ambulance service; Chemical warfare; Dentistry; Hospital administration; Hygiene; Military medicine; Naval medicine; Neuropsychiatry; Nursing; Pharmacy; Psychiatry; Psychology; Radiology; Surgery.**

Greenhill, L. P., & Tyo, J. Instructional film production, utilization and research in Great Britain, Canada and Australia; rapid mass learning. 27 l. 28cm. Port Washington, 1949.
Forms No. 269–7–1, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Gilchrist, H. L. Our camps of instruction. Mil. Surgeon, 1938, **83:** 174–6.—**Medina Valderrama, A.** La instrucción premilitar en el Perú. Rev. mil. Perú, 1946, **43:** No. 9, 23–30.—**Military** instruction and the Albany idea. Albany M. Ann., 1917, **38:** 194; passim.—**Piovano, E.** Instruccion de jefes y oficiales del cuerpo de sanidad militar. Rev. san. mil., B. Air. 1939, **38:** 211–34.—**Seidenfeld, M. A.** Army teaching. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 300–11, illust.

INSTRUCTOR.

Concours pour l'obtention du titre de Professeur agrégé du Val-de-Grace, 1937. Rev. Serv. san. mil., Par., 1938, **108:** 826–8.—**Herzberg, F., & Duke, R. E.** The officer-instructor. Mil. Surgeon, 1943, **93:** 151–7.

INSTRUMENT.

See also **Dental equipment; Equipment; Surgical instrument.**

Grether, W. F., & Connell, S. C. Psychological factors in check reading of single instruments. 21p. 27cm. Dayton, 1948.
Forms No. MCREXD–694–17A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Koehler, E. G. The detecto electric forceps. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 6–8.—**Mizuno, M.** Rikugun no ika-kikai ni kan-suru seido ni tuite [Regulation of the medical instruments of the army] Ika kikaigaku zassi, 1928–29, **6:** 345–55.—**Rounds, R. C.** Screw hole depth measuring instrument. Bull. U. S. Army M. Dep., 1948, **8:** 959.—**Tőri, K.** Műszerek racionális csirtalanítása. Honvédorvos, 1950, **3:** 596–8.—**Yamauti, T.** Kōtetu-sei ika kikai no bōsyū-hō ni tuite [Methods for preventing the rusting of medical apparatus and tools made of iron and steel] Gun idan zassi, 1928, No. 182, 991–3.

INSTRUMENT flying.

See **Aircraft,** Automatic recorder; **Blind flying.**

INSTRUMENT panel.

See under **Aircraft.**

INSUFFLATOR.

Hansen, W. S. A simple homemade powder blower. U. S. Nav. M. Bull., 1944, **42:** 209–10.

INSULATION.

See under **Heat insulation.**

INSULIN.

See also **Diabetes mellitus.**

Draeger, R. H., Pijoan, M., & Catchpole, H. R. Prolonging the effect of insulin by adding an inert water soluble plastic. 8p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X–401, U. S. Nav. M. Res. Inst. Also Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 31.

Zimmerman, B., & Donovan, T. J. Studies on the hyperglycemic effect of insulin. 15p. 27cm. Bethesda, 1948.
Forms Rep. No. 2, Proj. NM 007 026, U. S. Nav. M. Res. Inst. Also Summaries Res. U. S. Nav. M. Res. Inst., 1948, 11.

Brunner, R. A., & Owen, J. W. Insulin as a sedative in treatment of psychotic patients in a tropical hospital. U. S. Nav. M. Bull., 1946, **46:** 1088.—**Pennanéac'h, J., Morand, P., & Guennec, J.** Contrôle biologique d'une insuline ancienne. Rev. méd. nav., Par., 1947, **2:** 279–85.—**Zimmerman, B., & Donovan, T. J.** Physiological action of preferentially inactivated insulin. Sympos. Mil. Physiol., Wash., 1947, 303–10.

INSURANCE.

See also **War damage.**

Frey, W. Bemerkungen eines Arztes zu den Forderungen auf Revision des Militärversicherungsgesetzes. 71p. 20½cm. Bern, 1946.

OBERHOLZER, E. Führer durch das Militärversicherungsrecht. 2v. 229p.; 365p. 17cm. Luzern, 1943–45.

STREICH, A. Das Verschulden des Versicherten in der Militär- und der obligatorischen Unfallversicherung. 114p. 23cm. Bern, 1941.

Albisser, J. Die Abgrenzung der Versicherungskassenansprüche von denjenigen aus Militär- und Unfallversicherung. Schweiz. Zschr. Unfallkde, 1924, **18**: 25–30.—**Alder, A.** Kritische Bemerkungen über die eidgen. Militärversicherung. Vjschr. schweiz. Sanitätsoff., 1924, **1**: 11–6. ——— Militärversicherung. Praxis, Bern, 1943, **32**: 239.—**Bachmann, E., Kartagener, M., & Löffler, W.** Probleme der Militärversicherung. Schweiz. med. Wschr., 1943, **73**: 789–91.—**Ost.** Das neue Militärversicherungsgesetz. Korbl. Schweiz. Aerzte, 1902, **32**: 698–700.—**Rühe, E.** Beschädigung bei besonderem Einsatz. Deut. Militärarzt, 1941, **6**: 41–3.—**Ruoss, E.** Die Beurteilung der Magenleiden, speziell des Ulcus ventriculi, durch die Eidg. Militärversicherung. Schweiz. Zschr. Unfallkde, 1927, **21**: 2–18.—**Schatz, B.** Militärversicherung und besondere sanitarische Austrittsmusterung. Schweiz. Aerzteztg, 1934, **15**: 113–8.—**Schinz, H. R.** Gesetzgebung, Gesetzeshandhabung und Organisation der Militärversicherung und konstruktiver Plan zur Neugestaltung nach Kriegsende. Schweiz. med. Wschr., 1944, **74**: 1329–33.—**Searle, M.** Medical records and pension entitlement. Ontario M. Rev., 1943, **10**: 98–107.—**Secher, K.** Regulativerne for bedømmelse af de vaernepligtige til krigstjeneste og bedømmelsen til livsforsikring. In his Livsforsik. med. hist., Kbh., 1942, 173–8.

—— Veterans.

See also **Tuberculosis,** Insurance aspect.

Aten, W. B. The returned veteran and what the home office wants to know. J. Insur. M., 1946, **1**: 41.—**Attinger, E.** Kurze Bemerkungen über Möglichkeiten zur Verminderung der Belastung der Eidgenössischen Militärversicherung. Schweiz. med. Wschr., 1943, **73**: 1444–6.—**Hutchinson, J. R. B.** Veterans as a medical underwriting problem. Tr. Ass. Life Insur. M. Dir. America (1946) 1947, **30**: 195–219.—**Payments** of national service life insurance. Med. Bull. Veterans Admin., 1941–42, **18**: 110.

INTELLECT.

See also **Intelligence test.**

Bingham, W. V. Inequalities in adult capacity; from military data. Science, 1946, **104**: 147–52.—**Garrett, H. E.** Comparison of Negro and white recruits on the Army tests given in 1917–18. Am. J. Psychol., 1945, **58**: 480–95.—**Groot, A. D. de.** The effects of war upon the intelligence of youth. J. Abnorm. Psychol., 1948, **43**: 311–7.—**Kendler, H. H.** On the meaning of intelligence. Bull. Mil. Clin. Psychologists, 1946, **1**: 48–52.—**Montagu, M. F. A.** Intelligence of northern Negroes and southern whites in the first World War. Am. J. Psychol., 1945, **58**: 161–88.—**Nogueira Ribeiro, L. G.** Contribuição ao conhecimento da média mental do soldado brasileiro. Rev. med. mil., Rio, 1940, **29**: 346–54.—**Wall, W. D.** The decay of educational attainments among adolescents after leaving school; a research based on the testing of adolescents in 2 Army centres. Brit. J. Educ. Psychol., 1944, **14**: 19–34.

INTELLIGENCE.

Anderson, G. W. Medical intelligence in the United States Army. Canad. J. Pub. Health, 1945, **36**: 65–9. Also Staff Meet. Bull. Hosp. Univ. Minnesota, 1945–46, **17**: 315–8.—**Barros Ortiz, D.** Estudio histórico sobre los servicios de informaciones. Rev. mil., La Paz, 1948, No. 130, 39–79.—**Brunschwig, A.** Military medical intelligence from Russia. Surg. Gyn. Obst., 1942, **75**: 118.—**Curtis, F. J., Davis, F. C.** [et al.] Index of documents obtained at I. G. Plant, Elberfeld. CIOS Rep., Lond., 1945, Item 24, No. XXIII-12, 67–78.—**Gordon, J. E.** Medical intelligence. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 6, 1–4, pl. ——— Source of materials. Ibid., 2.—**Grahame, A.** Army Medical Intelligence surveys foreign areas. Med. Econom., 1943–44, **21**: No. 3, 55.—**Green, M. L.** Dissemination of intelligence. Mil. Rev., Fort Leavenw., 1949–50, **29**: 58–62.—**Horack, H. M.** Medical intelligence; its purpose and function. Proc. Conf. Prev. M. Off., Balt., 1945, 174–9.—**Kennedy, W. P.** The work of a medical intelligence section. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 26–8.—**Medical** intelligence. Rep. Chief M. Off. Min. Health, Lond. (1947–48) 1949, 156.—**Medical** intelligence of the Armed Forces. Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense, 1949, Sect. J, 7 p.—**Sheen, H. G.** The disintegration of the German intelligence services. Mil. Rev., Fort Leavenw., 1949–50, **29**: No. 3, 38–41.

INTELLIGENCE test.

See also **Neuropsychiatric examination,** Mental test.

Army intelligence tests. Army M. Bull., 1935, No. 30, 40–5.—**Bennett, G. K.** Distribution of scores from revisions of Army Alpha. J. Appl. Psychol., 1943, **27**: 150.—**Clark, J. H.** Intelligence test results obtained from a specific type of Army A. W. O. L. Educ. Psychol. Measur., 1948, **8**: 677–82.—**Colmen, J. G.** A rapid determination of intellectual adequacy for the naval service. U. S. Nav. M. Bull., 1944, **42**: 1093–5.—**Esher, F. J. S., Raven, J. C., & Earl, C. J. C.** Discussion on testing intellectual capacity in adults. Proc. R. Soc. M., Lond., 1941–42, **35**: 779–85.—**Geeraerts.** Considérations préliminaires sur l'emploi de tests pour étayer l'expertise en matière de débilité mentale à l'armée. Ann. belg. méd. mil., 1949, **102**: 3–6.—**Haines, T. H.** Group examination for intelligence rating in the Army. Ohio M. J., 1919, **15**: 6–8.—**Hoffmeyer, H.** Intelligensundersøgelse af vaernepligtige i Søvaernet. Militaerlaegen, 1949, **55**: 6; 33.—**Hunt, W. A., & Stevenson, I.** Psychological testing in military clinical psychology; intelligence testing. Psychol. Rev., 1946, **53**: 25–35.—**Lehman, H. C., & Stoke, S. M.** Occupational intelligence in the army. Am. J. Sociol., 1930, **36**: 15–27.—**Lewinski, R. J.** Performances of Naval recruits on the Kent oral emergency test and the verbal battery of the Bellevue-Wechsler adult intelligence scale. Am. J. Orthopsychiat., 1943, **13**: 138–40.—**Low** intelligence may be screened out of new Army. Science News Lett., 1941, **39**: 394.—**Marcuse, F. L., & Bitterman, M. E.** Notes on the results of Army intelligence testing in World War I. Science, 1946, **104**: 231.—**Rabin, A. I., & Weinik, H. M.** The Nebraska Army Alpha Revision and the comparative strength of factors V, N, and R in nursing students. J. Gen. Psychol., 1946, **34**: 197–202.—**Springer, N. N.** A short form of the Wechsler-Bellevue Intelligence Test as applied to naval personnel. Am. J. Orthopsychiat., 1946, **16**: 341–4.—**Terman, L. M.** The use of intelligence tests in the Army. Psychol. Bull., 1918, **15**: 177–87.—**Wheeler, J. A., jr, Williams, S. B.** [et al.] Experiences in the use of the Kent battery. U. S. Nav. M. Bull., 1944, **43**: 44.

INTERCOMMUNICATION research.

See **Aviation physiology.**

INTERDEPARTMENTAL Committee on Rehabilitation and Resettlement.

See **Disabled,** Rehabilitation.

INTERN.

See also **Hospital service,** educational.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. PROFESSIONAL DIVISION. Essentials of internship and of residency-type training in United States naval hospitals. 8p. 20cm. Wash., 1945.

Agnew, W. J. C. Navy residencies. J. Am. M. Ass., 1945, **129**: 37.—**Approved** internships and residencies for veteran and civilian physicians. Ibid., 55–7.—**Essentials** of residency-type training in United States Naval Hospitals. Bull. Am. Coll. Surgeons, 1945, Spec. no., 73.—**Gott, J. R.,** jr. Two years' experience with student clerkships in a Veterans Administration hospital. South. M. J., 1949, **42**: 895–9.—**McIntire, R. T.** Internship and residency type training in United States Naval Hospitals. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1945, 41. Congr., 12–25.—**Means, J. H.** Training of interns, residents and graduate students in wartime. Hospitals, 1943, **17**: No. 5, 18–20.—**Reduction** of hospital internship to 9 months as a war measure. Fed. Bull., Chic., 1943, **29**: 257–9.—**Scott.** Accelerated Army medical program, coordination of internships. Congres. Rec., 1943, **89**: 850–2.—**Smith, N.** A model wartime one-year internship. Hospitals, 1943, **17**: No. 6, 92–6.

INTERNAL medicine.

See also such terms as **Cardiology; Disease,** internal; **Hematology,** etc.; also **Internist.**

HARTLEBEN, H., & SCHAD, G. Innere Medizin und Hygiene. 5. Aufl. 215p. 19cm. Münch., 1942.

IABLOKOV, D. D. Руководство по частной терапии внутренних болезней. Част 1: Лечение болезней органов дыхания. 172p. 20cm. Tomsk, 1943.

Dinkler, G. Die Beurteilung der Dienstfähigkeit und Dienstunfähigkeit für den Truppenarzt. Münch. med. Wschr., 1942, **89**: 231–5.—**Farádi, L.** A tábori belgyógyászat feladatai. Honvédorvos, 1950, **3**: 475–8.—**Langen, C. D. de, & Schweitzer, P. M. J.** Interne geneeskunde gedurende de eerste oorlogsjaren. In: Med. ervar. in Nederland (1940–45) Groning., 1947, 259–76.—**Reckzeh.** Die Kriegsliteratur aus dem Gebiet der inneren Medizin. Berl. klin. Wschr., 1916, **53**: 61; 161. ——— Ergebnisse der bisherigen Kriegserfahrungen auf dem Gebiete der inneren Medizin. Deut. med. Wschr., 1916, **42**: 66; passim.

INTERNATIONAL Law.

See also **Geneva Convention; Humanitarianism; War criminal; War victim.**

Buhtz. The forensic-medical investigation on Soviet violations of international law. Conf. Med. Consultants to Wehrmacht (1942) 1948, 2. Conf. Proj. 1, pt 8, 221.—**Specht.** Search of evidence of Soviet violations of international law. Ibid., 222.

INTERNEE.

See also **Prisoner of war; War criminal.**

Adolph, W. H. Nutrition in internment camps in the Far East. Nutrit. Rev., 1943–44, **2:** 193–6.—**Algérie;** visite du camp d'internées civiles d'Akbou. Rev. internat. Croix Rouge, 1943, **25:** 780.—**Allemagne;** visite d'un camp d'internés civils américains. Ibid., 775.—**Allen, G. V., & MacGregor, R. G. S.** Experiences in the civilian camp at Singapore. Proc. Nutrit. Soc., Cambr., 1946, **5:** 107–16.—**Arensberg, C. M.** Report on a developing community, Poston, Arizona. Appl. Anthrop., 1942–43, **2:** 1–21.—**Behenna, D.** In a Japanese internment camp. Nurs. Times, Lond., 1945, **41:** 823.—**Belgique;** visite du camp d'internées de Dongelberg. Rev. internat. Croix Rouge, 1943, **25:** 776.—**Belsen.** King's Coll. Hosp. Gaz., Lond., 1945, **24:** 1–7.—**Bermudes;** visites de camps d'internés civils. Rev. internat. Croix Rouge, 1943, **25:** 790–2.—**Bondy, C.** Problems of internment camps. J. Abnorm. Psychol., 1943, **38:** 453–75.—**Braine, J., & Ravina, A.** Le camp de concentration et le charnier de Schörzingen (Würtemberg) Presse méd., 1946, **54:** 243.—**Burnier, H. E.** Tanganyika; visite du camp d'internés civils de Tabora. Rev. internat. Croix Rouge, 1944, **26:** 115. ——— **& Seidl, M.** Ouganda; visite d'un camp d'internés civils. Ibid., 1943, **25:** 624.—**Camp** d'internés civils britanniques de St. Denis; de Vittel; à Compiègne. Ibid., 1942, **24:** 838–41.—**Camp** d'internés civils japonais au Canada [Illustrations] Ibid., 1943, **25:** opp. p. 38.—**Camp** de Lordsburg; Japonais; 21 novembre 1942. Ibid., 288.—**Camp** de McAlester; Italiens et civils de nationalités diverses; 18 novembre 1942. Ibid., 286.—**Camp** de Santa-Fé (Japonais) Ibid., 1942, **24:** 894.—**Camp** de Seagoville; internées allemandes, italiennes, japonaises et enfants. Ibid., 893.—**Carter, G. W.** Child care and youth problems in a relocation center. J. Consult. Psychol., 1944, **8:** 219–25.—**Chine** occupée; visite du Civilian Assembly Centre de Pootung. Rev. internat. Croix Rouge, 1943, **25:** 959.—**Collis, W. R. F.** Belsen Camp; a preliminary report. Brit. M. J., 1945, **1:** 814–6.—**Cotton, J.** Civilian internment camps in the Far East; in the Philippines; in North China. Prison. War Bull., 1944, **2:** No. 2, 2; No. 4, 4; No. 7, 2.—**Crisp, T., & Smith, D. R.** Belsen concentration camp. Univ. Coll. Hosp. Mag., Lond., 1945, **30:** 40–9.—**Croix-Rouge** (La) et les civils polonais du camp de Pruszkow. Rev. internat. Croix Rouge, 1944, **26:** 775–85.—**Davis, H.** Some unofficial observations at Dachau. South. M. J., 1948, **41:** 1007–10.—**Desoille, H.** Les camps de déportation. Médecin fr., 1949, **9:** 117.—**Detention** camp Kaléo, Kauai, Hawaï; internés civils japonais. Rev. internat. Croix Rouge, 1943, **25:** 213.—**Dixey, J. R. B.** Belsen. S. Barth. Hosp. J., Lond., 1945–46, **49:** 76–81.—**Egle, E.** Chine occupée (Shanghai) visites de camps d'internés civils. Rev. internat. Croix Rouge, 1944, **26:** 121–3. ——— **& Zindel, R.** Hongkong; visites d'un camp d'internés civils à Hongkong. Ibid., 1943, **25:** 627.—**Egypt;** visites de camps d'internés civils. Ibid., 786.—**Etats-Unis** d'Amérique; visites de camps d'internés civils. Ibid., 1942, **24:** 891–3.—**Fitch, W. K.** Interned British pharmacists. Pharm. J., Lond., 1944, **99:** 209.—**Food** supplies in a Japanese internment camp. Connecticut M. J., 1943, **7:** 429.—**France;** visites de camps d'internés civils en France. Rev. internat. Croix Rouge, 1943, **25:** 777; 1944, **26:** 291.—**France** occupée; visite du camp d'internés civils brésiliens. Ibid., 1942, **24:** 887–9.—**Gibson, T. C.** Belsen, 1945. Lond. Hosp. Gaz., 1945, **48:** 144–8, 4 pl.—**Gordon, J. E.** Dachau concentration camp. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 5, No. 1, 39–42.—**Gubler, P.** Egypte; visite d'un camp d'internés civils. Rev. internat. Croix Rouge, 1944, **26:** 370.—**Guyane** anglaise; visite d'un camp d'internés civils. Ibid., 1943, **25:** 794–6.—**Haas, J. H. de, & Hermana Postuma, J.** Nederlandsche kinderen in Japansche interneeringskampen op Java. Ned. tschr. geneesk., 1946, **90:** 1530. ——— Japansche interneeringspolitiek. Ibid., 1530–41.—**Hankinson, J.** Belsen. S. Mary Hosp. Gaz., Lond., 1945, **51:** 74–8.—**Hefty, F. H.** Exemple d'une organisation du travail dans les camps d'internés civils. Rev. internat. Croix Rouge, 1944, **26:** 156–63.—**Henry, T. R.** I've seen Buchenwald. Med. Ann. District of Columbia, 1945, **14:** 209.—**Hildebrand, H.** Iran; visite d'un camp d'internés civils. Rev. internat. Croix Rouge, 1944, **26:** 691.—**Hooiman, H. J.** Over den brief uit Indië. Tschr. ziekenverpl., 1946, **56:** 8.—**Hughes, H. L. G., & Johnston, J. A. D.** German concentration camps; early measures at Belsen. In: Interallied Conf. War Med. (1942–45) 1947, 455–62.—**Indes** néerlandaises occidentales (Curaçao) visites des camps d'internés civils allemands de l'île de Bonaire. Rev. internat. Croix Rouge, 1943, **25:** 796.—**Internés** civils aux Etats-Unis [Illust.] Ibid., opp. p. 282.—**Internés** civils en Nouvelle-Zélande [Illust.] Ibid., opp. p. 358.—**Kelsey, S.** In a concentration camp in China. Canad. Nurse, 1944, **40:** 480–2.—**Kramer, M. M.** Internment camp food in occupied China. J. Am. Diet. Ass., 1944, **20:** 213–5.—**Maag, E.** Visites des centres d'hébergement de civils japonais en Colombie britannique. Rev. internat. Croix Rouge, 1943, **25:** 699–706.—**MacAuslan, A.** Belsen; May, 1945. S. Thomas Hosp. Gaz., Lond., 1945, **43:** 103–7.—**Mexique;** visite du camp d'internés civils de Perote. Rev. internat. Croix Rouge, 1942, **24:** 895.—**Moll, R.** Costa Rica; visite d'un camp d'internés civils. Ibid., 1944, **26:** 375. ——— Guyane, néerlandaise; visite d'un camp d'internés civils. Ibid., 690.—**Nicaragua;** visite du camp d'internés civils de Managua. Ibid., 1943, **25:** 793.—**Ouganda-Est-Africain;** visite d'un camp d'internés civils italiens. Ibid., 205–7.—**Palestine;** Perimeter Settlement 21; religieux roumains. Ibid., 102.—**Penitenciaria** central do districto federal de Rio de Janeiro; internés civils. Ibid., 208.—**Raperport, G.** Expedition to Belsen. Med. Press & Circ., Lond., 1945, **214:** 239–42.—**Raska, K.** The concentration camps of Terezin. Ibid., 1948, **219:** 481–4.—**Read, B. E.** Nutrition problems of the Shanghai internment camps. J. Am. Diet. Ass., 1946, **22:** 526–34.—**Singleton, R. C.** Civilian internment camps in Germany. Prison. War Bull., 1944, **2:** 2.—**Spindler, A. de, & Rikli, A.** Indes britanniques; visites de camps d'internés civils. Rev. internat. Croix Rouge, 1943, **25:** 628–30.—**Sydenham, A.** Period of internment in Stanley Camp, Hong Kong, January 1941 to September 1945. J. Am. M. Women Ass., 1946, **1:** 53.—**Tomášek, V.** Oswieczim [Auschwitz] In: Med. Sc. Abused, Praha, 1946, 76–89.—**Trunk, I.** Labor camps in Wartheland. Am. OSE Rev., 1948, **5:** No. 3, 10–5.—**Truth, I. M.** [pseud.] The German concentration camp. Cath. M. Guard., Lond., 1939, **17:** 77–89.—**Uzan, H.** Bagne nazi d'Aurigny, mur de l'Atlantique. Rapp. Journées méd. tunis. (1946) 1947, 406–15.—**Vénézuéla;** visite du camp d'internés civils de Guïguë. Rev. internat. Croix Rouge, 1943, **25:** 797.—**Visite** d'un camp d'internés civils en Ouganda. Ibid., 453.—**Visites** de camps d'internés civils de l'Ile de Man, Grande-Bretagne. Ibid., 1942, **24:** 243–7.—**Visites** des camps d'internés civils de la Jamaïque. Ibid., 896–8.—**Whitacre, F. E.** American civilians in a Japanese internment camp. J. Am. M. Ass., 1944, **124:** 652. **Whiteside, F.** Our concentration camp. Johns Hopkins Nurs. Alumnae Mag., 1944, **43:** 93–5.

——— Disease.

Aas, K. Internal diseases in the German concentration camp Grini in Norway. Acta med. scand., 1948, Suppl. 206, 269–77.—**Bergman, R. A. M.** Death rate in a Japanese concentration camp as a criterion of age. J. Geront., 1948, **3:** 14–7.—**Bodies** found in a crematory room when Dachau concentration camp was liberated by the Seventh Army; many had died of typhus, May 1945 [illust.] In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 5, No. 1, opp. p. 40.—**Chaumerliac, J.** Recherches hématologiques au camp de Dachau. Gaz. méd. France, 1946, **53:** 610.—**Collis, W. R. F., & MacClancy, P. C.** Some paediatric problems presented at Belsen Camp. Brit. M. J., 1946, **1:** 273–5.—**Creveld, S. van.** Kindergeneeskunde in een concentratiekamp. Ned. tschr. geneesk., 1946, **90:** 225–7.—**De-Benedetti, L., & Levi, P.** Rapporto sulla organizzazione igienico-sanitaria del campo di concentramento per Ebrei di Monowitz (Auschwitz-Alta Slesia) Minerva med., Tor., 1946, **37:** pt 2, 535–44.—**Goldman, J.** Quelques impressions sur l'état sanitaire des déportés rencontrés en Allemagne. Rev. path. comp., Par., 1947, **47:** 126–30.—**Gordon, J. E.** Typhus at Buchenwald concentration camp. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 5, No. 1, 43.—**Hudson, R. E.** Health for Japanese evacuees. Pub. Health Nurs., Utica, 1943, **35:** 615–20.—**Inbona, J. M.** Les avitaminoses dans le camp de concentration de Buchenwald. Sem. hôp. Paris, 1945, **21:** 737–40.—**Keizer, D. P. R.** Een kleine aanvulling uit eigen kampervaring. Ned. tschr. geneesk., 1946, **90:** 475–7.—**Lereboullet, J.** Les camps de torture nazis; leur pathologie. Paris méd., 1945, Suppl., 114.—**Life** and death in a concentration camp. Lancet, Lond., 1948, **2:** 228.—**Lipscomb, F. M.** German concentration camps; diseases encountered at Belsen. In: Interallied Conf. War Med. (1942–45) 1947, 462–5.—**Mann, B.** Hygiene problems in displaced persons camps in Germany. Pub. Health, Lond., 1945–46, **59:** 35.—**Oravec, J.** Life and death in a concentration camp. Lancet, Lond., 1948, **2:** 477.—**Pearson, E. F.** Morbidity and mortality in Santo Tomas Internment Camp. Ann. Int. M., 1946, **24:** 988–1013. ——— Observations on malnutrition in Santo Tomas Internment Camp. Illinois M. J., 1947, **91:** 134–6.—**Piatt, A. D.** A radiographic chest survey of patients from the Dachau Concentration Camp. Radiology, 1946, **47:** 234–8.—**Raboch, J.** Sexuální poškození z koncentračních táboru. Prakt. lék., Praha, 1947, **27:** 19.—**Report** of Royal Commission appointed to investigate the health and welfare of the Japanese in the interior settlements of British Columbia, January, 1944. Manitoba M. Ass. Rev., 1945, **25:** 123.—**Richet, C.** Troubles neuro-psychiatriques observés à Buchenwald. Progr. méd., Par., 1946, **74:** 355.—**Rousset, J.** Réflexions sur les affections dermatologiques dans un camp de concentration, Buchenwald. Lyon méd., 1945, **174:** 197.—**Smith, D. A.** Nutritional conditions and discases in the civilian internment camp, Hong Kong. Proc. Nutrit. Soc., Cambr., 1946, **5:** 95–107, 2 pl.—**Talbot, H.** Ocular lesions in internees at a civilian internment camp at Hong Kong. Brit. J. Ophth., 1946, **30:** 688–92.—**Thomsen, O. S.** Eftersygdomme hos tidligere koncentrationslejrfanger. Ugeskr. laeger, 1949, **111:** 665–8.—**Waitz, R.** Contribution à l'étude des pneumopathies aiguës dans les camps de concentration; les zones d'extériorisation clinique des foyers pulmonaires aigus. Presse méd., 1948, **56:** 562–4.—**Wajnapel, D.** Gesteigerte Diurese in den Konzentrationslagern. Südwestdeut. Aerztebl., 1947, **2:** 63.—**Weber.** Enkele patiënten uit

Ausschwitz. Ned. tschr. verlosk., 1947, 47: 293–7.—**Williams, C. D.** Nutritional conditions among women and children in internment in the civilian camp at Singapore. Proc. Nutrit. Soc., Cambr., 1946, 5: 127–38.—**Wolff-Eisner, E.** Life and death in a concentration camp. Lancet, Lond., 1948, 2: 788.

—— Medical experiences.

KOUWENAAR, W. Geneeskundige waarnemingen in de interneeringskampen op Noord-Sumatra, 1942–45. p.1–55. 25cm. Haarlem, 1947.

Geneesk. bl., 1947–48, 42:

Adelsberger, L. Medical observations in Auschwitz concentration camp. Lancet, Lond., 1946, 1: 317–9.—**Belsen** Concentration Camp; the medical services take over. Ibid., 1945, 1: 604.—**Courrier, R., & Poumeau-Delille, G.** Présentation d'un jeune déporté français castré au camp d'Ausschwitz en 1943. Bull. Acad. méd., Par., 1945, 129: 414.—**Eigil & Thaysen, J. H.** Nogle indtryk fra revieret i Dachau. Ugeskr. laeger, 1945, 107: 655–9.—**Franklin, A.** An Army nurse at Dachau. Am. J. Nurs., 1945, 45: 901.—**Funck-Brentano, P.** La stérilisation féminine au camp d'Auschwitz. Médecin fr., 1946, 6: 257.—**G., J. L.** Clinical observations at Belsen. King's Coll. Hosp. Gaz., Lond., 1945, 24: 13–8.—**Gabe.** Deux ans de pratique médicale dans un commando dépendant d'Auschwitz. Sem. hôp. Paris, 1945, 21: 1087–91.—**Gottlieb, M. L.** Impressions of a POW medical officer in Japanese concentration camps. U. S. Nav. M. Bull., 1946, 46: 663–75.—**Grijns, G. W.** Medische verzorging van Nederlandsche geïnterneerden in de Alas-Vallei (Atjeh) Ned. tschr. geneesk., 1947, 91: 760–5.—**Hottinger, A.** Klinische Beobachtungen an Patienten aus deutschen Konzentrationslagern. Schweiz. med. Wschr., 1947, 77: 294.—**Killins, J. A., & Posch, J. L.** Medical experiences at Dachau. Minnesota M., 1946, 29: 46–9.—**Lipscomb, F. M.** Medical aspects of Belsen Concentration Camp. Lancet, Lond., 1945, 2: 313–5.—**Mant, A. K.** The medical services in the concentration camp of Ravensbruck. Med. Leg. J., Lond., 1949, 17: 99–118.—**Matoušek, M.** Mé lékařské zkušenosti z koncentračního tábora. Prakt. lék., Praha, 1945, 25: 173–5. ——— Buchenwald through a doctor's eyes. In: Med. Sc. Abused, Praha, 1946, 42–57.—**Meiklejohn, A. P.** The London medical students at Belsen Concentration Camp. Med. Press & Circ., Lond., 1945, 213: 413.—**Percikowitz, A.** Medicine in the Nazi concentration camps. Harefuah, Tel Aviv, 1946, 31: 8–10.—**Podlaha, J.** Surgery and [medical] care of the prisoners in the Mauthausen concentration camp. In: Med. Sc. Abused, Praha, 1946, 58–75.—**Préventorium** de Brévannes, section des internés civils britanniques et américains. Rev. internat. Croix Rouge, 1942, 24: 837.—**Raper, R.** Nurse in an internment camp; experiences with Gestapo prisoners in France. Nurs. Mirror, Lond., 1945, 81: 20.—**Reis, M. van der.** Geneeskundige ervarigenen uit concentratiekampen. Ned. tschr. geneesk., 1946, 90: 183–6.—**Richet, C.** Notes médicales sur le camp de Buchenwald en 1944–45. Bull. Acad. méd., Par., 1945, 129: 377–88. Also Gaz. hôp., 1945, 118: 207. Also J. méd., Pôrto, 1946, 8: 261. Also In: Interallied Conf. War Med. (1942–45) 1947, 453–5.—**Rosencher, H.** Medicine in Dachau. Brit. M. J., 1946, 2: 953–5.—**Shields, H. F.** How civilian internees fared for dental treatment in Hong Kong during the Japanese occupation. Dent. Mag., Lond., 1946, 63: 16–8.—**Simonart, A.** Quelques observations pathologiques faites au camp de Buchenwald, peut-être en rapport avec la malnutrition. Acta gastroenter. belg., 1946, 9: 21–30.—**Stuart, H. C.** A pediatrician becomes physician to an American group interned in Germany. Harvard M. Alumni Bull., 1943–44, 18: 117–20.—**Taranto, L.** L'ospedale del campo VII B per internati italiani in Germania. Minerva med., Tor., 1946, 37: pt 2, Varia, 412–20.—**Vickers, E.** Nursing in a Relocation Center; pioneering with WRA at Poston, Arizona. Am. J. Nurs., 1945, 45: 25–7.—**War** relocation projects; nurses pioneer in historic wartime operation. Ibid., 1943, 43: 61–3.—**Wetterwald, F.** Médecine et camps de concentration. Praxis, Bern, 1947, 36: 698–702. ——— L'activité du service chirurgical de l'hôpital du Kommando d'Ebensee; camp de concentration de Mauthausen. Ibid., 714; 729.—**Zehm, A.** Experiences at a concentration camp. Med. Bull. Europ. Command, 1949, 6: No. 5, 5; No. 7, 33.

—— Psychology.

Adelsberger, L. Psychologische Beobachtungen im Konzentrationslager Auschwitz. Schweiz. Zschr. Psychol., 1947, 6: 124–30.—**Bloch, H. A.** The personality of inmates of concentration camps. Am. J. Sociol., 1946–47, 52: 335–41.—**Bluhm, H. O.** How did they survive? Mechanisms of defense in Nazi concentration camps. Am. J. Psychother., 1948, 2: 3–32.—**Desoille, H.** En marge de la psychologie du bagne; la bagne nazi. Arch. méd. sociale, Par., 1946, 2: 523–37.—**Federn, E.** The terror as a system; the concentration camp; Buchenwald as it was. Psychiat. Q. Suppl., 1948, 22: 52–86.—**Friedman, P.** The effects of imprisonment. Acta med. orient., Jerusalem, 1948, 7: 163–7. ——— Some aspects of concentration camp psychology. Am. J. Psychiat., 1948–49, 105: 601–5.—**Niremberski, M.** Psychological investigation of a group of internees at Belsen Camp. J. Ment. Sc., Lond., 1946, 92: 60–74.—**Servadio, E.** Psicopatologia dell'internamento. Psicoanalisi, 1946, 2: 33–40.—**Thompson, L. J.** German concentration camps; psychological aspects of the camps. In: Interallied Conf. War Med. (1942–45) 1947, 466.—**Thorek, M.** To read, to weep and to ponder. Acta med. orient., Jerusalem, 1946, 5: 201–6.—**Vrijhof, P. H.** Psychologische beschouwing over concentratiekampen. Ned. tschr. psychol., 1948, 3: 62–76.

INTERNIST.

See also **Internal medicine.**

Duncan, R. E. The problems of the internist in the Navy. Ann. Int. M., 1943, 18: 920–5.—**McIntire, R. T.** The problem of the internist in the Navy. Ibid., 1940–41, 14: 2179–83. ——— The great need for internists in the Naval Medical Program. Ibid., 1944, 21: 1–6.—**Morgan, H. J.** The internist at war; a glance at the record. Ibid., 20: 881–3. ——— The performance of the internist un World War II. J. Tennessee M. Ass., 1944, 37: 304.—**Proceedings** of the Military Affairs Committee, American College of Chest Physicians. Dis. Chest, 1941, 7: 337–47.

INTERNMENT.

See **Internee; Prisoner of war.**

INTERNSHIP.

See with **Intern.**

INTERVERTEBRAL disc.

See also **Sciatica; Spine.**

BRADFORD, F. K. The diagnosis and treatment of intervertebral disc rupture. 13p. 27cm. Wash., 1948.

Forms Techn. Bull. TB 10–43, U. S. Veterans Admin.

LOVE, R. G. Postoperative regime for cases of ruptured intervertebral discs. 2p. 28cm. Wash., 1942.

Forms Suppl. 2, Rep. 45, Com. Aviat. M. U. S. Nat. Res. Counc.

SPURLING, R. G. Summary of follow-up study on 400 cases of ruptured intervertebral disc subjected to operation. 2p. 28cm. Wash., 1942.

Forms Suppl. 1, Rep. 45, Com. Aviat. M. U. S. Nat. Res. Counc.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–19: Surgery of intervertebral disc lesions [1]p. 27cm. Wash., 1947.

Adson, A. W. Technic of removal of protrusions of intervertebral disks and surgical results. In: Lect. Peace & War Orthop. Surg (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 111–20.—**Botterell, E. H., Keith, W. S., & Stewart, O. W.** Results of surgical treatment of sciatica due to herniation of intervertebral disc in Canadian soldiers overseas. Canad. M. Ass. J., 1944, 51: 210–4.—**Bradford, F. K.** Intervertebral disc problem in the Navy. U. S. Nav. M. Bull., 1944, 42: 763–75. Also Spanish transl., Rev. radiol. fisioter., Chic., 1945, 12: 37–44.—**Buchstein, H. F.** Protruded intervertebral disc. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, 3: 1–12.—**Code, C. F., Williams, M. M. D.** [et al.] Are the intervertebral disks displaced during positive acceleration? J. Aviat. M., 1947, 18: 231–6.—**Downing, F. H.** Collapse of intervertebral disc following spinal puncture; report of 2 cases. U. S. Nav. M. Bull., 1944, 43: 666–73.—**English, R. H., & Spriggs, J. B.** Pain pathways in the herniated nucleus pulposus syndrome; a preliminary report. Mil. Surgeon, 1948, 102: 213–6.—**Haynes, W. G.** Problems of herniated nucleus pulposus in the military service. War Med., Chic., 1943, 3: 585–95.—**Holm, K. L.** Herniated nucleus pulposus. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 6, 27–32.—**Jones, W. A.** Herniated nucleus pulposus. Med. Bull. Veterans Admin., 1943–44, 20: 99–101.—**Martínez Pazos, A.** Patología radiológica del disco intervertebral. Med. & cir. guerra, 1947, 9: 303–11.—**Potter, J. M.** Protruded disk sciatica in the services and its management. J. R. Army M. Corps, 1947, 89: 143–8.—**Problem** (The) of intervertebral disc. U. S. Nav. M. Bull., 1943, 41: 1455.—**Puddy, E.** Intervertebral disk protrusion as a common cause of unilateral sciatica. J. R. Nav. M. Serv., 1944, 30: 224–32.—**Robertson, R. C. L., & Peacher, W. G.** Herniated nucleus pulposus; improvement in operative technique. Bull. U. S. Army M. Dep., 1944, No. 79, 76.—**Sheldon, C. H.** Protruded intervertebral disc; advantage of the upright position in surgical removal. U. S. Nav. M. Bull., 1944, 42: 1107–10.—**Spurling, R. G.** Notes on the diagnosis of lumbar herniations of the nucleus pulposus. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 109–11. ——— & **Thompson, T. C.** Notes on the diagnosis of herniated nucleus pulposus in the lower lumbar region. Army M. Bull., 1943, No. 68, 142–54.—**Titrud, L. A., Ritchie, W. P., & French, L. A.** The treatment of patients having prolapsed intervertebral discs in a U. S. Army hospital overseas. Med. Bull. Medit. Theater U. S., 1945, 3: 251–6.—**White, J. C., & Peterson, T. H.** Lumbar herniations of intervertebral disks; value of surgical removal for Naval personnel. Occup. Med., 1946, 1: 145–59.

INTERVIEW.

See under **Neuropsychiatric examination.**

INTESTINAL gas.

See **Altitude,** Gastrointestinal tract; **Flatulence.**

INTESTINE.

See also **Digestive system; Gastrointestinal tract; Parasitosis;** also **Ileum; Proctology; Rectum.**

Dyer, E. M. Development of the Miller-Abbott tube. Med. Bull. Europ. Command, 1950, **7:** 35–8.—**Hamrick, W. H.** A technic for introducing the Miller-Abbott tube. U. S. Nav. M. Bull., 1943, **41:** 1737–42.—**Mayer, H.,** jr. Passage of Miller-Abbott tube through pylorus with aid of electromagnet. Ibid., 1944, **43:** 463–6.—**Wagner, C. J., & Dandurant, D. D.** Use of Wangensteen suction aboard ship. Ibid., 1947, **47:** 343–6.

—— Bacterial flora.

Barnes, L. A. Pathogenic enteric bacilli; paracolon, proteus and pseudomonas groups. U. S. Nav. M. Bull., 1944, **43:** 707–16.—**Fullgrabe, E. A., & Levant, F. A.** Isolation and identification of enteric pathogens at a naval base in North Africa. Ibid., 1946, **46:** 1398–402.—**Kudriavcev, V. I.** [Accelerated detection of bacteria of the intestinal group] Voen. san. delo, 1943, No. 10, 52.—**Littman, M. L.** Rapid identification of enteric pathogenic bacteria. War Med., Chic., 1943, **4:** 31–56.

—— Disease.

See also **Enteritis; Gastroenteritis;** also names of specific infections as **Dysentery,** etc.

Ambrosioni, P. Ricerche di laboratorio sulle infestazioni intestinali in tempo di guerra. Ann. igiene, 1946, **56:** 14–9.—**Cox, W. C.** [Intestinal infections; low incidence] In: Prev. Med. in World War II, Wash., 1948, **11:** pt 2, 3.—**Gudex, T. V., Fry, F. O., & Taylor, W. H.** Enteric diseases encountered at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41:** 1613–9.—**Halsted, J. A., & Hansen, P. S.** The management of intestinal diseases in the Army area. Med. Bull. Medit. Theater U. S., 1945, **3:** 150–5.—**Intestinal** diseases. In: Prev. Med. in World War II, Wash., 1948, **3:** 15–7, ch.—**Intestinal** infections. Ibid., **8:** 194–6, ch.—**Lacaux, Boron & Rouffilange.** Un cas d'infarctus intestinal atypique. Bull. Soc. méd. mil. fr., 1948, **42:** 118–21.—**Marshak, M. S., Schnappen, A. M., & Mkhitarov, G. V.** Lečebnoe pitanie pri ranenijakh brjušnoj polosti s naličiem kišečnykh svišćej. Voen. med. J., Moskva, 1945, No. 10, 18–24.—**Myers, B.** The history of a case of diverticulosis, with observations on treatment. J. R. Army M. Corps, 1947, **88:** 89–93.—**Nanbu** sen-sen ni okeru heisi no tyōsikkan to sono eiyō to no kankei [The relation between the intestinal diseases of the soldiers in the tropics and their diet] Tōzai igaku, 1941, **8:** 385, &c.—**Pérez, B.** Fístula intestinovaginal. Rev. san. mil., B. Air., 1946, **45:** 797.—**Pulaski, E. J., & Amspacher, W. H.** Streptomycin in intestinal infections. Bull. U. S. Army M. Dep., 1946, **6:** 750–60.—**Rickards, A. G.** On the incidence of protozoal and bacillary intestinal infections in men of the Royal Air Force returning from service in tropical and subtropical lands. J. Trop. M. Hyg., Lond., 1949, **52:** 2–11.—**Rogozin, I. I., Barinsky, F. G., & Kavickaia, M. L.** Epidemiologija kišečnykh infekcij v gody Velikoj otečestvennoj vojny. J. mikrob., Moskva, 1946, No. 4, 3–10.—**Sokolov, V. V.** Izučenie patogeneza vypadenija prjamoj kiški pri pomošči rentgenovskogo metoda. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 604–15.—**Stewart, G. T.** The carrier rate of intestinal infections in Trincomalee. J. R. Nav. M. Serv., 1947, **33:** 6–8.—**Van Auken, H. A.** Control of intestinal disease. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 97–113, 2 ch.—**Volpi, J. P.** Sindrome de Koenig. Rev. san. mil., B. Air., 1944, **43:** 318–22.—**Wedd, G.** A case of gastro-intestinal lymphosarcoma. J. R. Nav. M. Serv., 1945, **31:** 111–3.

—— Injury.

See also **Injury**—by organs and regions: Abdomen; also **Digestive system; Gastrointestinal tract,** Injury; **Ileum; Ileus.**

Bennett. Injuries to the colon. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 59–64.—**Berezov, J. E.** O perforacijakh kišečnika rybimi kostjami. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 616–9.—**Bombicino, J. A.** Oclusión intestinal por cuerpo extraño ingerido (orejones) Rev. san. mil., B. Air., 1945, **44:** 573; 717.—**Bulatov, P. N.** Lövési sérülés okozta bélsipolyok kórismézése és kezelése. Honvédorvos, 1950, **2:** 302 (Abstr.)—**Colcock, B. P.** Postoperative problems following perforation of colon. Bull. U. S. Army M. Dep., 1944, No. 80, 106–8.—**Gordon-Taylor, G.** Injuries of the large intestine in war. Med. Press & Circ., Lond., 1943, **209:** 180–3. Also Mod. Treatm. Yearb., Lond., 1944, **10:** 163–71.—**Hamadakaya, K.** Zyūken-zyutu niin-suru tyōkan haretu ni tuite [Rupture of the intestine due to bayonet exercise] Gun idan zassi, 1925, No. 143, 629–45.—**Hamilton, J. E.** War wounds of colon and rectum. N. York State J. M., 1944, **44:** 2706–12. —— **& Cattanach, L. M.** Reconstruction of war wounds of colon and rectum. Surgery, 1946, **20:** 237–48.—**Hurt, L. E.** Battle injuries of the colon and rectum; an abstract. Med. Bull. Medit. Theater U. S., 1945, **3:** 34–7. —— Battle injuries of the colon and rectum. Bull. U. S. Army M. Dep., 1946, **6:** 729–40.—**Lockhart-Mummery, J. P., Gordon-Watson, C.** [et al.] War wounds of the large intestine. Lancet, Lond., 1940, **1:** 501.—**Mabrey, R. E.** Non-penetrating wounds of the small intestines. U. S. Nav. M. Bull., 1947, **47:** 698–702.—**Melnikov, A. V.** Rak tolstoj kiški na meste ognestrelnogo ranenija. Vest. khir., 1945, **65:** No. 6, 62.—**Nikolaev, G. F.** Operacii pri ranenijakh tonkogo kišečnika. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12:** 203–7. —— Operacii pri ranenijakh tolstykh kišok. Ibid., 207–14.—**Poer, D. H.** Rupture of intestine through intact abdominal wall. Bull. U. S. Army M. Dep., 1946, **5:** 231–3.—**Sparkman, R. S.** Colon injuries in amphibious warfare. Ibid., 395–400.—**Stevenson, W. F.** Gunshot wounds of large intestine; 40 cases. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 87–92.—**Tazima, K.** Tyōkan senkōsei hika-zasō (iwayuru tyōkan hika haretu) no tiken rei [Subcutaneous rupture of the intestine] Gun idan zassi, 1927, No. 165, 252–4.—**War** wounds of the large intestine. Brit. M. J., 1940, **1:** 451–4.—**Wilson, W. W.** Gunshot wound of the colon; recovery without immediate operation. Lancet, Lond., 1944, **1:** 824.—**Yosioka, R.** Tyōkan hika danretu ni tuite [On subcutaneous rupture of the intestine] Gun idan zassi, 1929, No. 187, 145–54, tab.

INTRAABDOMINAL pressure.

See under **Centrifugal force,** Tolerance.

INTRAPULMONIC pressure.

See under **Centrifugal force,** Biological effect.

INTRAVENOUS injection.

See under **Therapeutics,** Injection.

INVALIDING.

See **Disability,** Classification.

IODINE [& compounds]

Bodenlos, L. J. Packaged iodine, freezing point. 3 l. 27cm. Camp Lejeune, 1949. Forms Sub-Proj. 11–49, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

Poliakov, N. G. [Substitution of dry iodine preparations for tincture of iodine] Voen. san. delo, 1943, No. 2, 51–4.—**Shufflebotham, F.** Report on poisoning by ethyl iodoacetate. Rep. Chem. Warf. M. Com. Gr. Britain, 1918, No. 8, 3–7, 4 pl.

IODINE pentoxide method.

See under **Carbon monoxide,** Analysis.

ION exchange.

Blumer, M. Eine Feldmethode zur Wasseruntersuchung mit Ionenaustauschern. Experientia, Basel, 1948, **4:** 351.—**Hume, D. N.** A physico-chemical investigation of ion-exchangers. Q. Project Summary Off. Nav. Res., 1948, July, 401.

IONIZATION.

See also **Physical therapy; Therapeutics.**

Hoecker, F. E. The biological effects of ionization. Q. Project Summary Off. Nav. Res., 1948, July, 414.

IONIZATION chamber.

See with **Atomic energy.**

IONIZING radiation.

See subheadings of **Atomic bomb** (Pathological effect; Tests)

IRAN.

See **Hospital report; World War II.**

IRAQ.

See **World War II.**

IRIS.

See also Eye, Disease; Eye injury.

Minsky, H. The pupil. p. 741–94. 25cm. Chic., 1946.

In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1:

Wilson, W. C. An analysis of cerebral control of reflex pupillary dilation in the cat. 12 l. 29cm. Fort Knox, 1948.

Forms Proj. No. 6–64–12–06–(9) U. S. Army M. Dep. Field Res. Laborat.

Also Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 5, 1–12, illust.

Minsky, H. The pupil. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1948, 2: 612–9.

—— Disease.

Alling, C. C. Iritis from a dental focal point. Med. Bull. Europ. Command, 1949, 6: No. 12, 9–12.—**Figueiredo, N. P. de.** Abcesso dentário-irite (e cristaloidite?) secundária. Rev. med. mil., Rio, 1945, 34: 447–50.—**Greenfield, H.** Iridocyclitis (ophthalmitis) amongst animals at war. Vet. Bull., Carlisle, 1943, 34: 334–62.—**Harner, C. E., & Smith, J. G.** Severe iridocyclitis treated with penicillin. U. S. Nav. M. Bull., 1944, 43: 546–8.—**Ramírez, R.** Iritis e iridocoroiditis; su importancia clínica y terapéutica. Rev. san. mil., B. Air., 1944, 43: 300; 481; 705.

IRON therapy.

See under Therapeutics.

IRRIGATOR.

Rhodes, L. Irrigation apparatus for resections. U. S. Nav. M. Bull., 1946, 46: 764.—**Strache, F.** Beschreibung einer einfachen Spülapparatur für drainierte septische Hohlräume. Deut. Militärarzt, 1943, 8: 241.

IRRITABLE heart.

See Heart neurosis.

ISOAGGLUTINATION test.

See Blood grouping.

ISOLATION.

See also Hospital service, Isolation; Quarantine.

Boldyrev, T. Izoljacija (isolation) In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 872–8.—**Isolation** technique. Surgeon Circ. M. Sect. Far East Command, 1948, 3: No. 8, 6–9.—**Thorp, E. G.** An aid in maintaining isolation ward technique. Med. Bull. U. S. Chief Surgeon Europ. Theatre, 1944, No. 26, 3.

ISONZO Front.

See under World War I.

ITALY.

For references to this country see Hospital report; Medical Corps; Medical examination; Medical organization; Medical service; Military medicine; Morbidity; Navy; Navy Medical Service; Neuropsychiatry; Nursing service; Nutrition service; Pharmaceutical service; Pharmacist; Pharmacy; Pharmacy Corps; Physician; Prisoner of war; Ration; Recruiting; Sanitation; Surgery; Surgical service; Tuberculosis; Venereal disease; Veterinary Corps; Wars and campaigns; World War I; World War II.

IWO Jima.

See under World War II.

IXODES.

See Tick.

JACKET (dental)

See under Denture, Artificial tooth.

JAPAN.

For references to this country see Dental service; Hospital report; Medical corps; Medical department; Medical examination; Medical organization; Medical service; Military medicine; Morbidity; Navy; Navy Medical Service; Neuropsychiatric examination; Neuropsychiatry; Nutrition service; Pharmacist; Prisoner of war; Ration; Recruiting; Rehabilitation; Sanitation; Surgery; Tuberculosis; Wars and campaigns; World War I; World War II.

JAPANESE encephalitis.

See under Encephalitis.

JAUNDICE.

See Icterus.

JAVA Expedition (1878–79)

See under Wars and campaigns.

JAVA Sea.

See under World War II.

JAW.

See also Mandibula; Maxilla; Surgical technic, maxillofacial.

Brigham, W. E. L., & Brown, D. Surgical removal of a dentigerous cyst and its two contained teeth; report of a case. J. R. Nav. M. Serv., 1948, 34: 92.—**Cherney, A. B.** Hard odontoma complicated by an impaction. U. S. Nav. M. Bull., 1946, 46: 1903–7.—**Entin, D.** Cheljusti. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 962–79, pl.—**Gilkison, C. C.** Neoplastic jaw diseases; giant cell tumors of the medullary space. Mil. Surgeon, 1943, 93: 44–8.—**O'Grady, G. L.** Conservative treatment of large dental cysts. Ibid., 1949, 105: 137.—**Pecoraro, E.** Osteomielitis de los maxilares de origen dentario. Rev. san. mil. argent., 1947, 46: 456–62.—**Velikanova, M. M.** [Administration of therapeutic alimentation in osteomyelitis of the jaws] Voen. san. delo, 1942, No. 10, 41–3.

—— Injury.

See also Head injury, Face; Surgical technic, maxillo-facial; also Mandibula; Maxilla.

Axhausen, G. Die Kriegswundbehandlung im Kiefer-Gesichtsbereich. 2. Aufl. 89p. 23cm. Münch., 1941.

Alexander, J. E. Early treatment of maxillofacial battle casualties; a résumé of 421 cases. Arch. Otolar., Chic., 1947, 45: 637–61.—**Axhausen.** The final treatment of face and jaw injuries. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 380; Disc., 383–8.—**Begelman, I. A., & Fidel, M. L.** [Splinting in jaw injuries in military hospitals front and rear] Stomatologia, Moskva, 1944, 25–9.—**Bruske, J. S.** Behandling van verwonding van den gelaatsschedel in den oorlog. Handel. Ned. tandheelk. Congr., 1916, 3. Congr., 155–68.—**Clarkson, P., Wilson, T. H. H., & Lawrie, R. S.** Abstract of treatment of 1,000 jaw wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 143–5. —— Treatment of jaw and face casualties in the British Army. Ann. Surg., 1946, 123: 190–208.—**Dacenko, M. F.** [Duration of treatment in maxillo-facial cases] Stomatologia, Moskva, 1944, 52–4.—**Dalling, E. J.** Dental treatment of maxillo-facial injuries in forward areas. In: Interallied Conf. War Med. (1942–45) 1947, 160–4.—**Dodgshun, J. T.** Jaw injuries in a prisoner of war hospital, 1943–1945. N. Zealand Dent. J., 1945, 41: Oct., 135–42.—**Durkacz, K. P.** [First aid for cases of maxillo-facial injuries] Lek. wojsk., 1945, 36: 155–9, pl.—**Entin, D. A.** [Instruction in urgent and preliminary special aid in maxillo-facial wounds in evacuation during military operations] Stomatologia, Moskva, 1941, No. 6, 7–13. —— Organizacionno-metodićeskie osnovy lećenija i evakuacii ćeljustno-licevykh ranenykh. In: Tr. Konf. rabot. cheliust. khir. evakohosp , Moskva, 1945, 14–21.—**Epstein, J. B.** [Organizational elements which influence the term of stay in the hospital] Stomatologia, Moskva, 1944, 46–9.—**Fabrikant, M. B.** [Conclusions to be drawn from observation of maxillo-facial wounds in the Kharkov evacuation hospital] Ibid., 1940, No. 6, 69.—**Gillies, H.** Treatment of maxillo-facial injuries. In: Interallied Conf. War Med. (1942–45) 1947, 164–6.—**Henry, T. C.** Treatment of maxillo-facial injuries in the R. A. F. Ibid., 157–9.—**Herrmann, M.** Tumor nach Kriegsverletzung um Kiefer-Gesichtsbereich. Deut. zahnärztl. Zschr., 1948, 3: 420–8.—**Higaki, R.** Gaku sensyō kanzya ni miru sosyakuryoku teika ni kan-suru kansatu [... deterioration in the masticatory strength in patients with jaw injuries in war]

Kōkūbyōgakkai zassi, 1939, **13**: 519–21.—**Holland, N.** Treatment of maxillo-facial casualties in the B. L. A. Brit. Dent. J., 1945, **78**: 78–80.—**Ivashchenko, G. M.** [Results of treatment of maxillo-facial wounds in the army zone] Stomatologia, Moskva, 1943, No. 4, 45.—**Ivy, R. H.** Wounds of the face and jaws. Dent. Surv., 1943, **19**: 818.—**Jackson, T.** War injuries of the jaws and their treatment. Dent. Rec., Lond., 1920, **40**: 562–8, 4 pl.—**Jeffreys, F. E.** Prosthetic appliance for war injury. U. S. Nav. M. Bull., 1944, **42**: 711–4.—**Kennedy, R. L., & Lewis, F. C. R.** Severe facio-maxillary injury treated at sea. J. R. Nav. M. Serv., 1945, **31**: 36–9.—**Leix, R.** Einige praktische Winke für die Behandlung von Kieferverletzten an der Front. Deut. Militärarzt, 1944, **9**: 48–51.—**Lentrodt.** Hemorrhages in the maxillo-facial area. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 389–91. **Meyer, W.** Kriegsverletzungen der Kiefer. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 239–69.—**Mikhelson, N. M.** [Treatment of maxillary wounds during the present war] Voen. san. delo, 1941, No. 11, 27–31.—**Morayta, M.** Tratamiento de urgencia en traumatología maxilar de guerra. América clín., 1945, **8**: 65–72.—**Münch, J.** Röntgenaufnahmen und Röntgenkontrollen bei Kriegsverletzungen im Bereich der Kiefer und des Gesichtes. Deut. zahnärztl. Wschr., 1943, **46**: 1–3.—**Oliker, L. E.** [Organizational questions in orthopedic treatment of maxillo-facial injuries at the front] Stomatologia, Moskva, 1944, 42–6.—**Peter, K.** Die Verletzungen der Kiefer und des Mundes. In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944, 242–52, illust.—**Pickerill, E. P.** Treatment of maxillo-facial cases at casualty clearing station. N. Zealand Dent. J., 1945, **41**: 47–51.—**Rank, B. K., & Cash, H. R.** War injuries of face and jaws. Austral. J. Dent., 1943, **47**: 71–84.—**Schröder, H.** Die Kriegsverletzungen der Kiefer. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 525–60.—**Sluckaia, M. M.** Povreźdenija prirotovoj oblasti. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 51–5.—**Sturgess, S. H., & Holland, D. J.** Treatment of maxillo-facial wounds and injuries. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 3, 8–11.—**Teneff, S.** Le ferite d'arma da fuoco dei mascellari e della cavità orale. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 693–704, illust.—[**Treatment** of maxillo-facial wounds] Voen. san. delo, 1942, No. 9, 67–72.—**Watson-Jones, R.** Facio-maxillary injuries. In his Fractures, 3. ed., Edinb., 1943, **1**: 390–407.—**Weisengreen, H. H.** Physical medicine in maxillo-facial injuries. Mil. Surgeon, 1943, **93**: 294–8.—**Weissblat, S. N.** [Local anesthesia in maxillary war traumata] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 265–70.—**Wickham, N. E.** The treatment of maxillo-facial injuries in the field. N. Zealand Dent. J., 1945, **41**: 43–7.

—— Injury: Fracture.

Berry, H. C. Simple skeletal fixation method for quick repair of a fracture in war surgery. J. Am. Dent. Ass., 1943, **30**: 1377.—**Blausten, S.** Modified maxillary fracture splint. Bull. U. S. Army M. Dep., 1945, No. 84, 119–21.—**Borçbakan, C.** Bin çene kırığı üzerinde yapılan bir tetkik [treatment of 1,000 jaw fractures] Askerî sıhhiye mecmuası, 1947, **76**: No. No. 49, 29–37.—**Hampson, J. C.** Open reduction for mandibular and superior maxillary fractures. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: No. 4, 48–57. Also Mil. Surgeon, 1947, **101**: 119–23.—**Key, W. W.** Army appliances to treat fractured jaws. Chron. Omaha Dent. Soc., 1946, **9**: No. 8, 13.—**Kingsbury, B. C.** Management of jaw fractures complicated by intracranial injuries. U. S. Nav. M. Bull., 1944, **42**: 915–20.—**Klein, D.** Instrument to facilitate multiple loop wiring in fractures of jaw. Bull. U. S. Army M. Dep., 1945, **4**: 479.—**Kyes, F. M., Openshaw, R. W., & Hudson, A. L.** Maxillary and mandibular immobilization device. U. S. Nav. M. Bull., 1945, **44**: 1262.—**Mackta, L.** The acrylic half-splint. Bull. U. S. Army M. Dep., 1944, No. 72, 81–3.—**Maris, A. M.** Fractures of the jaws. Ibid., No. 75, 81–8. Also Mil. Surgeon, 1944, **95**: 43–7.—**Maxwell, M. M.** Fractures of interest to the dental officer; report of 3 cases. U. S Nav. M. Bull., 1945, **44**: 353–60.—**Santa Maria, M. A.** Consideraciones sobre las fracturas del maxilar. Rev. méd. mil., Trujillo, 1940, **2**: No. 5, 64–7.—**Thoma, K. H.** The history and treatment of jaw fractures from World War I to World War II; collective review. Surg. Gyn. Obst., 1944, **78**: Suppl., 281–312.

—— Injury, gunshot.

Böttcher. Erfahrungen mit frischen Kieferschüssen in einer frontnahen Kieferstation im Osten. Deut. zahnärztl. Wschr., 1944, **47**: 135–8.—**Converse, J. M.** Early and late treatment of gunshot wounds of the jaws in French battle casualties in North Africa and Italy. J. Oral Surg., 1945, **3**: 112–37.—**Hammer.** The late treatment of gunshot wounds of the jaw; directives. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 23–5.—**Kiandsky, A. A.** [Treatment of maxillo-facial gunshot wounds at the front and in the army zone] Stomatologia, Moskva, 1940, No. 6, 35–41.—**Lehner, R.** Erfahrungen bei der Versorgung Kieferschussverletzter in vorderen Sanitätseinrichtungen. Deut. Militärarzt, 1942, **7**: 98–103.—**Lukomsky, I. G.** [The treatment of gunshot fractures of the jaws, after experience of evaco-hospitals of an internal region] Stomatologia, Moskva, 1944, No. 4, 20–31.—**Meyer, G. E.** Maxillofacial injuries produced by gunshot wounds in modern warfare. J. Am. Dent. Ass., 1943, **30**: 1576–83.—**Peter, K.** Die Kriegsschussverletzungen der Kiefer und des Mundes. In: Feldschirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 214–22. Also 6. Aufl., Dresd., 1943, 238–48.—**Plüschke, W.** Freihändige, funktionelle Schienung von Kieferschussbrüchen im Felde; Beitrag zur orthopädischen Versorgung Kiefer-Gesichtsverletzter im Felde. Deut. zahnärztl. Wschr., 1943, **46**: 475; passim.—**Ponomareva, Z. A.** Ob ognestrelnykh ranenijakh éeljustej. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 128–32.—**Ullik, R.** Die Behandlung der Schussbrüche des Kiefers. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 632–53.

JEEP ambulance.

See under **Ambulance.**

JEEP ambulance plane.

See **Air ambulance.**

JEJUNUM.

See also **Gastrointestinal tract; Intestine.**

SARGENT, F., II, EVERSON, T. C., & KARK, R. M. Report of adenocarcinoma of the jejunum; a case report. 10 l. 27cm. Chic., 1949.
Forms No. 54, Rep. U. S. Army Med. Nutrit. Laborat.

Green, R. B. Chronic nonspecific jejunitis. U. S. Nav. M. Bull., 1949, **49**: 488–97.—**Tinsman, C. A., & Barrow, D. W.** Rupture of the jejunum; a parachute injury. War Med., Chic., 1943, **4**: 415–7.

JELLY.

See under **Burns,** Treatment: Local remedies.

JERUSALEM.

See under **Wars and campaigns.**

JET plane.

See also **Aircraft,** Jet propulsion.

Shepperd, L. A. Survey of accidents and present difficulties in jet planes in the continental U. S. Army Air Forces. J. Aviat. M., 1947, **18**: 297–301.—**Sound** problems associated with the operation of jet-propelled aircraft. Med. Bull. Continent. Air Command, 1949, **1**: 7–10, pl.

JOINT.

See also **Extremity; Fracture; Surgical technic,** Joints.

Anderson, J. C. A case of loose bodies in both elbow joints, with a history of an unusual accident. J. R. Army M. Corps, 1941, **76**: 45–8.—**Blumensaat, C.** Die Kontrastdarstellung der Gelenke in der dringlichen Feldchirurgie. Mschr. Unfallh., 1943, **50**: 305–8.—**Erlacher.** Zur Behandlung von Gelenkversteifungen und Muskelkontrakturen. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2**: 577–95.—**McCarthy, C. L.** Subcutaneous juxta-articular nodules; a study of their clinical and histologic characteristics. U. S. Nav. M. Bull., 1943, **41**: 1683–9.—**Moss, J.** Pneumo-arthrography in the Navy. Radiography, Lond., 1946, **12**: 20.—**Weiss, K.** Neues zur Gelenkröntgenologie. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 509–21.

—— Dislocation and torsion.

Acute acromioclavicular dislocation. Bull. U. S. Army M. Dep., 1944, No, 82, 5.—**Lange, F.** Die Behandlung der Distorsionen. In: Taschenb. d. Feldarzt., Münch., 1915, 3. T., 132–6.—**Roca, C. A.** Luxaciones acromioclaviculares; sobre un aparato para su tratamiento. Rev. san. mil., B. Air., 1941, **40**: 804.—**Rybushkin, I.** Vyvikh (luxatio) In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1071–80.—**Sanchis Olmos, V.** Nuestra técnica para la reducción y contención de las luxaciones acromioclaviculares. Rev. san. guerra, 1937, **1**: 228–30, pl.

—— Injury.

See also **Fracture**—by site: Joint.

TENEFF, S. Le ferite d'arma da fuoco delle articolazioni. p.1220–49. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.) Tor.

Basin, J. B. Ognestrelnye ranenija krupnykh sustavov verkhnikh konečnostej. Voen. med. J., Moskva, 1947, No. 5, 3–6.—**Dorronsoro, A.** Heridas articulares. Rev. españ. med. cir. guerra, 1939, **2**: 102–4.—**Frankau, C.** Principles of treatment in gunshot wounds of joints. In: War Wounds (Brit. M. J.) Lond., 1939, 91–4.—**Gorinevskaja, V. V.** Zakrytye i otkrytye povreźdenija sustavov. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 300–27.—**Kuprijanov, P. A.** Ognestrelnye ranenija sustavov. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 362–71.—**Magnus, G.** Ueber Gelenkschüsse. In: Kriegschir.

Ratgeber, Berl., 1941, 94–8.—**Teneff, S.** La puntura delle articolazioni. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 315. ——— Le ferite d'arma da fuoco delle articolazioni. Ibid., 398; 1123, illust.—**Trueta, J.** Articular wounds. In his Principl. & Pract. War Surg., S. Louis, 1943, 304–13.

JOINT operation.

See **Combined operation.**

JOLTING.

See subheadings of **Aircraft** (Control; Design)

JOURNALISM.

How to prepare an article for a medical journal. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 69–71.—**Medical** professional journals. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 3, 4–9.

JOURNALS [and periodicals]

—— Dentistry.

MILITARY DENTAL JOURNAL. Wash., &c., v.**1–7**, 1917–24.
Title varies: v.I, No. 1–3, 1917, Bulletin of the Association of Military Dental Surgeons; v.I, No. 4—v.**3**, No. 4, 1917–19, Journal of the Association of Military dental surgeons.

—— Medical societies.

See also **Medical officer**, Societies.

[BRAZIL] SOCIEDADE MEDICO-CIRURGICA MILITAR. Boletim. Rio, v.**1–5**, 1915–20.
For continuation see Revista medico-cirurgica militar, v.6, 1920.

[FRANCE] SOCIÉTÉ DE MÉDECINE MILITAIRE FRANÇAISE. Bulletin mensuel. Par., v.**1**, 1907–
Title varies, v.I, 1907– as Bulletin bi-mensuel.

[FRANCE] UNION FÉDÉRATIVE NATIONALE DES MÉDÉCINS DE LA RÉSERVE. Bulletin. Par., v.**1**, 1905–

[GREAT BRITAIN] ROYAL ARMY MEDICAL ASSOCIATION. Bulletin. Aldershot, No. 1–5, 1946–47.
Title varies, No. 1–2, Monthly bulletin.

MILITARY SURGEON. Wash., v.**1**, 1891–
Title varies: v.**1–3**, 1891–93, Transactions of the Association of Military Surgeons; v.**4–9**, 1894–1900, Proceedings of the Association ...; v.**10–19**, 1901–06, Journal of the Association ...

—— Medical technology.

MEDICAL (THE) SOLDIER. Carlisle Barracks, v.**1**, No. 6, 1942–

MEDICAL TECHNICIANS BULLETIN. Wash., v.**1**, 1940–

SAVAŞTA ERBAŞLAR. Ankara, v.**1**, 1937–

—— Medicine.

AERZTLICHE MONATSSCHRIFT; Zeitschrift für soziale Gesetzgebung und Verwaltung und für das Gesundheitswesen in Heer, Marine und Polizei. Berl., H.1, 1927–

ANNALES BELGES DE MÉDECINE MILITAIRE. Liège, v.**101**, 1948–
Continuation of Archives du Service de santé de l'armée belge.

ARCHIVES MÉDICALES BELGES. Brux., v.**31–96**, 1863–1943.
Continuation of Archives belges de médecine militaire. For continuation see Archives du Service de santé de l'armée belge. Title varies, v.**91–93**, No. 4, 1938–40 as Archives belges du Service de santé de l'armée.

ARCHIVES DE MÉDECINE ET DE PHARMACIE MILITAIRES. Par., v.**1–103**, 1883–1935.
For continuation see Revue du Service de santé militaire, v.**104**, 1936–

Архив медицинских наук. Moskva, &c., v. **1–2**, 1929.
For continuation see Voenno-medicinsky jurnal, v.1, 1930–

ASKERI SIHHIYE MECMUASI [Military sanitary review] Istanbul, v.**61**, 1932–

BELGISH TIJDSCHRIFT VOOR MILITAIRE GENEESKUNDE. Liège, v.**101**, 1948–
Issued with French edition Annales belges de médecine militaire.

BOLETÍN DE SANIDAD MILITAR. Méx., v.**1**, 1948–
Title of v.1, No. 1: Sanidad militar.

BRUNS' KRIEGSCHIRURGISCHE HEFTE DER BEITRÄGE ZUR KLINISCHEN CHIRURGIE. 15v. 27cm. Tüb., 1915–19.

BULLETIN INTERNATIONAL DES SERVICES DE SANTÉ DES ARMÉES DE TERRE, DE MER ET DE L'AIR. Liège, &c., v.**1**, 1928–
Title varies, v.**1–9**, 1928–36 as Bulletin international; organe des Congrès internationaux de médecine et de pharmacie militaires.

BULLETIN OF WAR MEDICINE. Lond., v.**1–6**, 1940–46.

CHINA. NATIONAL DEFENSE MEDICAL CENTER. Bulletin. Shanghai, No. 2, 1947–

CHUN-I YUEH-K'AN. Nanking, v.**2**, 1948–

DEUTSCHE (DER) MILITÄRARZT. Berl., v.**1**, 1936–

Фельдшер. Moskva, No. 1, 1936–No. 5, 1939.

FRANCE. MINISTÈRE DE LA GUERRE. SERVICE DE SANTÉ MILITAIRE. Revue. Par., v.**104–112**, 1936–40.
Continuation of Archives de médecine et de pharmacie militaires, v.**1–103**, 1883–1935.

—— Bulletin d'information du Service de santé. Par., v.**1–2**, 1942–44.

—— Revue du Corps de santé militaire. Par., v.**1**, 1945–

GACETA MÉDICO-MILITAR. Méx., v.**1**, No. 1–10, 1930–31.
Continued as next.

GACETA MÉDICO MILITAR. Méx., v.**1–2**, 1933–35.
Continuation of preceding entry.

GIORNALE DI MEDICINA MILITARE. Tor., &c., v.**1**, 1851–
Incomplete. See entries in earlier series for various title changes.

GUN-IDAN ZASSI. Tokyo, No. 1, 1909–
German title: Zeitschrift für Militärärzte.

HONVÉDORVOS. Budap., v.**1**, 1949–

INDEX TO WAR AND MEDICINE. Detr., Nov./Dec., 1942–

JAPAN. RIKUGUN GUN-I GAKKŌ. Arbeiten a. d. K. Japanischen militärärztlichen Lehranstalt. v.**1**. 112p. 26½cm. Tokyo, 1892.

LEKARZ WOJSKOVY. Warsz., &c., v.**7**, 1926–
Not to be confused with journal pub. in Edinb.

LEKARZ WOJSKOVY. Edinb., &c., v.**34–37**, No. 3, 1941–46.
Not to be confused with journal pub. in Warsz. Organ of the Polish army in exile.

MÉDECINE TROPICALE. Marseille, v.**5**, 1945–

MEDICAL TECHNICIANS BULLETIN. Wash., v. 1, 1950–

MEDICINA Y CIRUGÍA DE GUERRA. Madr., 2. época, v.**8**, No. 13, 1946–
Formerly Revista española de medicina y cirugía de guerra, v.1–7, 1938–45.

MÉXICO, D. F. ESCUELA MÉDICO-MILITAR. Revista. Méx., v.**2**, 1943–

MILITÄRÄRZTLICHE PUBLICATIONEN. Wien, No. 52, 1900–

MILITAERLAEGEN. Kbh., v.**1**, 1893–

MILITÄRSANITÄT. Zür., v.**24**, 1942–

MONTHLY MEDICAL BULLETIN, October 1944. 10 l. 27cm. Fort Douglas, Utah, 1944.

NEDERLANDS MILITAIR-GENEESKUNDIG TIJDSCHRIFT. Gravenh., v.**1**, 1947–

Norsk tidskrift for militaer-medicin. Oslo, v.6, 1901–

Physician (The) N. Y., v.3, No. 12, 1946–
Formerly The Army doctor, v.I, No 1–6, 1942; The War doctor, v.I, No. 7, 1942; v.3, No. 10/11, 1946.

Portugal. Ministério da guerra. Direcção do serviço de saúde militar. Boletim. Lisb., No. 4, 1938–

Reconditioning news letter. Wash., Dec., 1944–

Review of war surgery and medicine. Wash., v.1–2, 1918–19.

Revista española de medicina y cirugía de guerra. Valladolid, &c., v.1–7, 1938–45.
For continuation see Medicina y cirugía de guerra.

Revista de medicina e hygiene militar. Rio, v.7–16, 1921–27.
Continuation of Revista medico-cirurgica militar, v.6, 1920.

Revista de medicina militar. Rio, v.23, 1934–

Revista medico-cirurgica militar. Rio, v. 6, 1920.
Continuation of Boletim da Sociedade medico-cirurgica militar, v.I–5, 1915–20. For continuation see Revista de medicina e hygiene militar, v.7, 1921–

Revista médico-militar. Méx., v.1, 1938–

Revista médico-militar. Ciudad Trujillo, v.2, 1940–

Revista de sanidad de guerra [Barcel.] v.1–2, 1937–38.

Revista de sanidad militar. Asunción, v.7, 1935–

Revista de sanidad militar. Caracas, año 1, 1942–

Revista de la sanidad militar. Habana, v.1, 1937–

Revista de la sanidad militar. La Paz, No. 5, 1933–

Revista de sanidad militar. Madr., v.1, 1887–

Revista de la sanidad militar. Santiago, Chile., v.4, No. 1–6, 1936.

Revista de la sanidad militar Argentina. B. Air., v.1, 1899–
Title varies, v.1–2, 1899–1900, Anales de sanidad militar; v.3–46, No. 1, 1901–47, Revista de la sanidad militar.

Revista de la sanidad militar de Colombia. Bogotá, No. 1, 1950–

Revista de sanidad militar del Perú. Lima, v.1, 1928–
Title varies, v.1, 1928– as Revista de sanidad militar.

Revista sanitară militară. Bucurestĭ, v.27, 1928.

Saint Bartholomew's Hospital journal war bulletin. Lond., v.1, 1939–

Sanidad militar. Méx., v.1, No. 1, 1948.
For continuation see Boletín de sanidad militar, v.I, No. 2, 1948–

Санитарная служба в дни Отечественной войны. Sverdlovsk, No. 6, 1946–

Senzi igaku. Tokyo, v.1, 1944–

Sotilaslääketieteellinen aikakauslehti. Helsin., No. 1, 1949–

South African digest of war medicine. Johannesburg, v.2, No. 1, 1942–

Tidschrift i militar hälsovård. Lund, &c., v.1, 1876–

United States Armed Forces medical journal. Wash., v.1, 1950–
Continuation of the Bulletin of the United States Army Medical Department and United States naval medical bulletin.

Vår tids medicin. Stockh., No. 47, 1944–

Veröffentlichungen aus der Konstitutions- und Wehrpathologie. Jena, No. 1–55, 1919–45.

Vestnik Tsarskoselskago Raĭona. Petrogr., v.2–3, 1916–17.

Военная медицина за рубежом. Moskva, No. 1, 1942–

Военно-медицинский журнал. Moskva, &c., v.1, 1930–
Continuation of Arkhiv medicinskikh nauk, v.I–2, 1929.

Военно-медицинский сборник. Moskva, v. 1, 1944–

Военно-санитарно дело. Sofia, v.2, 1947–

Военно-санитарное дело. Moskva, No. 1, 1929–

Vojenské zdravotnické listy. Praha, v.1, 1925–

Vojensko-zdravotnická knihovna. Praha, v.4, 1948–

Vojno sanitetski glasnik. Beogr., v.1, 1930–

Vojno-sanitetski pregled. Beogr., v.1, 1944–

War (The) doctor. N. Y., v.1–3, No. 10/11, 1942–46.
Title varies, v.1, No. 1–5/6, 1942 as The Army doctor. For continuation see The Physician, v.3, No. 12, 1946–

War medicine. Chic., v.1–8, 1941–45.

War surgery newsletter. No. 9. 8 l. 28cm. Wash., 1945.

Wittayah sarn saynah ruk. Bangkok, v.1, 1948–
English title: Military medical journal.

Army (The) and Navy Medical Record; a fraudulent publication whose editorial opinions are for sale. [Edit.] J. Am. M. Ass., 1913, **61**: 1553–5.—**Bandeira de Mello, N.** O papel de Revista de medicina militar no aperfeiçoamento técnico do Serviço de saúde do Exército. Rev. med. mil., Rio, 1941, **30**: 457–62.—**Bulletin** of War Medicine. Lancet, Lond., 1940, **2**: 425.—**Felkai, D.** Néhány kritikai megjegyzés a Honvédorvosról. Honvédorvos, 1950, **2**: 308.—**Jakovlev, G.** Voenno-medicinskij arkhiv. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 896–9.—**Lukashevich, D., Firsov, Z. & Maslinkovsky, T.** Zhurnaly voenno-medicinskie. Ibid., **2**: 709–18.—**Mayoral Pardo, D.** Aniversario (3.) del Boletín de sanidad militar. Bol. san. mil., Méx., 1950, **3**: 1–4.—**Rossijsky, D. M.** Pervyj otečestvennyj zhurnal po voennoj medicine. Voen. med. J., Moskva, 1946, No. 1–2, 44–7.—**Supplement** (The) on war medicine and surgery. Med. J. Australia, 1942, **2**: 403.—**War** Medicine; a new American publication. Bull. War M., Lond., 1940–41, No. 4, 207.

—— Medicine: Air Force.

Accident bulletin for medical investigators; continental U. S. Army Air Forces. Winston-Salem, v.1–2, No. 10, 1945–46.
For continuation see Medical investigators' accident bulletin, v.2, No. 11, 1946–

Air Corps news letter. Wash., v.23, No. 2, 1940–

Air medical news letter. Lond., No. 1, 1945–

Air sea rescue bulletin. Wash., No. 1, 1944–

Air (The) surgeon's bulletin. Wash., v. 1–2, 1944–45.

Aviation physiologists bulletin. Wash., No. 1–10, 1944–45.

Aviation psychology technical memorandum. Wash., No. 2, 1944–

Bumed news letter. Aviation supplement. Wash., v.1–9, No. 3, 1943–48.
For continuation see: **Medical news letter; aviation supplement**, v.9, No. 5, 1948–

Contact. Pensacola, v.1, 1942–

Flight Surgeon topics. Randolph Field, v. 1–3, 1937–39.

Great Britain. Air Ministry. A. M. pamphlet. Lond., No. 129, 1941–

—— Director General of Medical Services. D. G. M. S. pamphlet. Lond., No. 2, 1943–
Forms numbers of the Air Ministry A. M. pamphlets.

—— Quarterly bulletin. Lond., Dec., 1947–

Great Britain. Royal Naval Air Medical School. News letter. Gosport, No. 2, 1947–

Journal of aviation medicine. Balt., &c., v.**1**, 1930–

Luftfahrtmedizin. Lpz., v.**1**, 1936–

Luftfahrtmedizinische Abhandlungen. Lpz., v.**1**, 1936–37.

Médecine (La) aéronautique. Par., v.**1**, 1946–

Medical investigators' accident bulletin. Winston-Salem, &c., v.**1**, 1945–

Title varies: v.**1**, 1945–v.**2**, No. 10, 1946 as Accident bulletin for medical investigators.

Medical news letter; aviation supplement. Wash., v.**9**, No. 5, 1948–

Continuation of: **Bumed news letter,** Aviation supplement, v.**1–9**, No. 3, 1943–48.

Medical Service bulletin. Washington, v. **3**, 1948–

Polski przegląd medycyny lotniczej. Warsz., v.**7**, 1938–

Rand research memoranda. S. Monica, No. RM–18, 1947–

Revista de sanidad de aeronáutica. B. Air., v.**1**, 1948–

Rivista di medicina aeronautica. Roma, v.**1**, 1938–

United States. Air Force. Information letter; Army Air Forces Convalescent-Rehabilitation Training Program. Wash., No. 1–29, 1943–45.

—— Aero-Medical Center [Heidelberg, Germany] Monthly status report. Heidelb., No. 1, 1945–

—— [Translations] Heidelb., No. 1, 1946–

United States. Air Force. Continental Air Command. Office of the Surgeon. Medical bulletin. Mitchel Air Force Base, v.**1**, 1949–

United States. Air Force. Rheumatic Fever Control Program. News letter. Mitchel Field, N. Y., v.**2**, 1945–

United States. Air Force. San Antonio Aviation Cadet Center. Psychological Research Unit. Research bulletin. S. Antonio, No. T45–6, 1945–

United States. Army Air Forces. Arctic, Desert and Tropic Center. Regional medical studies [v. p.] No. 1, 1943–

—— Informational bulletin. Series A. Eglin Field, No. 1, 1943–

—— Informational bulletin. N. Y., No. 1–16, 1944.

—— Medical series 1. Orlando, No. 1, 1944–

Venereal disease bulletin. Randolph Field, No. 1–15, 1943–44.

Medicine: Army.

Annuaires des chefs des services de santé des armées, 1938–1939. 2v. [8]p. [8]p. 24½cm. Liége, 1938–39.

Archives belges du Service de santé de l'armée. Brux., v.**91–93**, No. 4, 1938–40.

With v.**93**, No. 5, reverts to former title: **Archives** médicales belges.

Archives du Service de santé de l'armée belge. Brux., &c., v.**93/98–100**, 1945–46.

Continuation of Archives médicales belges. For continuation see Annales belges de médicine militaire.

Archivos médicos del Servicio sanitario del Ejército. Santiago de Chile. v.**5**, 1938–

Continuation of **Revista** de la sanidad militar.

Army (The) doctor. N. Y., v.**1**, No. 1–5/6, 1942.

For continuation see The War doctor.

Army medical bulletin. Wash., &c., No. 1–7, 1922; No. 1–68, 1923–43.

For continuation see **U. S. Army Medical Department Bulletin,** v.**I–9**, 1943–49.

Army (The) Medical Services magazine. Aldershot, v.**1**, 1948–

Continuation of the News and gazette of the R. A. M. C., &c., v.**14–15**, 1947–1948.

Bulletin of Army health statistics. Lond., No. 3–12, 2. ser., No. 1–6, 1945–46.

No. 1–2, 1945 never published.

Canada. Army. Medical Corps. RCAMC monthly news letter. Ottawa[?] No. 1, 1947–

France. Service de santé. Bulletin d'information du Service de santé. Par., v.**1**, 1942–

Great Britain. Royal Army Medical Corps. Journal. Lond., v.**1**, 1903–

[Great Britain] Royal Army Medical Corps Association. Monthly bulletin. Lond., No. 1, 1946–

Great Britain. War Office. Army Medical Department. Bulletin. Lond., No. 14–51, 1942–45.

Formerly Army Medical Directorate bulletin, Nos 1–13, 1941–42.

Also Supplement. Lond., No. I, 1943–

Great Britain. War Office. Army Medical Directorate. Bulletin. Lond., No. 1, 1941; No. 13, 1942.

With No. 14, 1942, changes title to Army Medical Department Bulletin.

—— AMD [Publications] Lond., No. 7, 1947–

Indian Army Medical Corps. Journal. Poona, v.**3**, No. 1, 1947–

Leningrad, U. S. S. R. Voenno-medicinskaya akademia RKKA im. S. M. Kirova. Сборник трудов. Leningr., 1937–

—— Труды. Moskva, v.**1**, 1934–

Medical quarterly. v.**1**. 352p. 24½cm. Ottawa, 1919.

News (The) and gazette of the Royal Army Medical Corps, the Royal Army Dental Corps and the Army Nursing Services. Lond., v.**14**, 1947–

Revista médica del Ejército nacional. Méx., v.**1**, Nos 1–2, 5–6, 1936.

United States. Army. First Army. Medical bulletin. Governors Island, N. Y., v.**1**, 1946–

United States. Army Institute of Pathology. Army Medical Museum. Daily bulletin. Wash., v.**1**, No. 1, 1946–

United States. Army Medical Department. Bulletin. Wash., &c., v.**1–9**, 1943–49.

Continuation of **Army medical bulletin,** No. 1–7, 1922; No. 1–68, 1923–43.

For continuation see **United States Armed Forces medical journal,** v.I, 1950–

United States. Army. Medical Field Service School. British Medical Liaison Officer. Circular letters, No. 13–18. 6 nos. [size varies] 20½–27cm. Carlisle Barracks, 1944–45.

United States. Army Service Forces. Second Service Command. Monthly health bulletin. Governors Island, N. Y., Jan.–Dec. 1945.

For continuation see next entry.

—— Medical bulletin. Governors Island, N. Y., No. 3, 1946–

Continuation of the preceding.

United States. Office of the Secretary of War. Civilian Medical Division. Health message, No. 5–No. 14. 10v. 20½cm. Wash., 1943–44.

UNITED STATES. WAR DEPARTMENT. SURGEON-GENERAL'S OFFICE. SGO bulletin. Wash., v.**1**, 1949–

Title varies, issues for Mar. 9–April 27, 1949 have title: Bi-weekly bulletin [of the] Surgeon General's Office.

—— Circular letter. Wash., No. 1, 1943–

—— SGO circular. Wash., No. 1, 1946–

VENEREAL DISEASE BULLETIN. Balt., No. 1–6, 1945–46.

VERÖFFENTLICHUNGEN AUS DEM GEBIETE DES HEERES-SANITÄTSWESEN. Berl., No. 1–117, 1892–1943.

VIERTELJAHRSSCHRIFT FÜR SCHWEIZERISCHE SANITÄTSOFFIZIERE. Basel, v.**16**, 1939–

Transactions of the Kuibyshev Military Medical Academy of the Red Army. Bull. War M., Lond., 1942–43, **3**: 118 (Abstr.)

—— Medicine: Field medicine.

AERZTLICHER FELDPOSTBRIEF [n. p.] No. 1, 1945–

JOURNAL OF MILITARY MEDICINE IN THE PACIFIC. [n. p.] v.**1–2**, 1945–46.

UNITED STATES. ARMY. EUROPEAN COMMAND. MEDICAL DIVISION. Medical bulletin [n. p.] No. 1–32, 1943–45; v.**1**, 1946–

Nos. 1–32, 1943–45, issued by Office of the Chief Surgeon, European Theater of Operations; v.**1–2**, 1946–47, issued by the Office of the Theater Chief Surgeon, European Theater; v.**3–5**, No. 5, 1947–48, issued by Office of the Chief Surgeon, European Command.

Cover title: Medical bulletin of the European Command.

UNITED STATES. ARMY. EUROPEAN THEATER. OFFICE OF THE THEATER CHIEF SURGEON. Circular letter. [n. p.] No. 20, 1944–No. 40, 1946.

UNITED STATES. ARMY. FAR EAST COMMAND. MEDICAL SECTION. Surgeon's circular letter. [n. p.] No. 1, 1945–

Title varies, 1945–47 as Circular letter. No. 1–22, 1945 issued by the Office of Theater Surgeon, Army Forces in the Far East; No. 23, 1945–No. 1, 1947, by the Office of the Theater Surgeon, Army Forces, Pacific.

—— Circular [n. p.] No. 6, 1947–

UNITED STATES. ARMY. MEDITERRANEAN THEATER OF OPERATIONS. The medical bulletin [n. p.] v.**2**, No. 6–v.**3**, No. 6, 1944–45.

UNITED STATES. ARMY. MEDITERRANEAN THEATER OF OPERATIONS. OFFICE OF THE SURGEON. Circular letter [n. p.] No. 36, 1944–

UNITED STATES. ARMY. NORTH AFRICAN THEATER OF OPERATIONS. The medical bulletin [n. p.] v.**1**, 1944–v.**2**, No. 5, 1944.

UNITED STATES. ARMY FORCES, THE FAR EAST. OFFICE OF THE THEATER SURGEON. Technical memorandum No. 4. 3 l. 26½cm. [n. p.] 1945.

UNITED STATES. ARMY FORCES, INDIA BURMA THEATER. OFFICE OF THE SURGEON. Field medical bulletin, v.**1–4**. 4v. 27cm. [n. p.] 1942–45.

v.1–3, issued by Army Forces in China, Burma & India. Incomplete.

UNITED STATES. ARMY FORCES, WESTERN PACIFIC. Monthly progress report. Section 5: Medical [n. p.] June 1945–

UNITED STATES. ARMY SERVICE FORCES. FOURTH SERVICE COMMAND. Monthly medical bulletin. Atlanta, Mar., 1946–

—— Medicine: Navy.

ANNALI DI MEDICINA NAVALE E COLONIALE. Roma, v.**1**, 1895–

ARCHIVES DE MÉDECINE ET PHARMACIES NAVALES. Par., v.**1–129**, No. 3, 1864–1939.

Title varies, v.**1–94**, 1864–1910 as **Archives** de médecine navale [et coloniale] For continuation see **Revue** de médecine navale, v.**1**, 1946–

ARQUIVOS BRASILEIROS DE MEDICINA NAVAL. Rio, v.**1**, 1940–

BUMED GAZETTE. Wash., v.**1–3**, 1943–45.

BUMED NEWS LETTER. Wash., v.**1–10**, No. 10, 1943–47.

For continuation see **Medical** news letter.

GREAT BRITAIN. ROYAL NAVAL MEDICAL SERVICE. Journal. Lond., v.**1**, 1915–

HOSPITAL (THE) CORPS QUARTERLY. Wash., v.**10**, 1926–

KAIGUN GUN-IKAI ZASSI. Tokyo, No. 12, 1915–

Title varies, Kaigun gun-ikai kaiho. English title: Bulletin of the Naval Medical Association.

LENINGRAD, U. S. S. R. VOENNO-MORSKAJA MEDICINSKAJA AKADEMIA. Труды. Leningr., v. **1**, 1941–

MEDICAL JOURNAL [ROYAL CANADIAN NAVY] [Ottawa?] v.**1–9**, 1941–45.

MEDICAL NEWS LETTER. Wash., v.**10**, No. 11, 1947–

Continuation of: Bumed news letter.

MEDICAL TARGETS [U. S. NAVAL TECHNICAL MISSION TO JAPAN] [n. p.] No. M–01, 1945–

NORFOLK MEDICAL NEWS. Norfolk, v.**4**, 1944–

PACIFIC FLEET MEDICAL NEWS. S. Franc., v. **1**, 1944–

REVISTA DE PUBLICACIONES NAVALES; SUPLEMENTO DE SANIDAD NAVAL. B. Air., v.**1**, 1948–

REVISTA DE SANIDAD NAVAL. Santiago de Chile, &c., v.**1**, 1931–

REVUE DE MÉDECINE NAVALE, MÉTROPOLE ET OUTRE-MER. Par., v.**1**, 1946–

Continuation of **Archives** de médecine et de pharmacie navales, v.**1–129**, No. 3, 1864–1939.

—— Monographie. No. 1. 167p. 23cm. Par., 1946.

ROYAL NAVAL MEDICAL BULLETIN. Lond. [?] No. 1, 1943–

STATISTICS OF NAVY MEDICINE. Wash.[?] v.**1**, No. 1, 1945–

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. Bulletin ... Circular letters, July 1939–July 1945. 536p. 23cm. Wash., 1946.

—— [The same] ... March 1941–May 1947. v. p. [280]p. 29½cm. Wash., 1947.

UNITED STATES NAVAL MEDICAL BULLETIN. Wash., v.**1–49**, 1907–49.

For continuation see **United States** Armed Forces medical journal, v.**1**, 1950–

VERÖFFENTLICHUNGEN AUS DEM GEBIETE DES MARINE-SANITÄTSWESENS. Berl., No. 1–35, 1910–43.

Военно-морской медицинский сборник. Moskva, v.**4**, 1945–

WEEKLY GAZETTE. Wash., v.**1**, Nos. 5–41, 1943.

WEEKLY NEWS. Wash., v.**1**, Nos. 1–4, 1943.

—— Nursing.

ARMY (THE) NURSE. Wash., v.**1**, 1944–

—— Pharmacy.

BOLETÍN DE FARMACIA MILITAR. Madr., v. **1–14**, 1923–36.

DIOSCORIDES. Brux., v.**2–3**, No. 1, 1938–39.

—— Psychology and psychiatry.

BULLETIN OF MILITARY CLINICAL PSYCHOLOGISTS. Wash., v.**1**, 1946–

UNITED STATES. AIR FORCE. SAN ANTONIO AVIATION CADET CENTER. PSYCHOLOGICAL RESEARCH UNIT. Research bulletin. S. Antonio, No. T45–6, 1945–

—— **Veterans.**

COURAGE. Sapulpa, v.**7**, 1946–

MEDICAL QUARTERLY. 352p. 24½cm. Ottawa, 1919.

MEDICAL (THE) VETERANS NEWS. Los Ang., v.**1**, No. 1, 1946–

NAV HC JOURNAL. Wash., v.**1**, 1946–

Руский инвалидь, или, военныя ведомости, No. 1–149. 600p. 24cm. S. Peterb., 1821.

[UNITED STATES] NATIONAL RESEARCH COUNCIL. COMMITTEE ON VETERANS' MEDICAL PROBLEMS. Bull[etin] vet[erans] med[ical] prob[lems] p. 11–21. 27½cm. Wash., 1946.
For continuation see its Bull. CVMP, No. 1, 1946–

—— Bull[etin] CVMP. Wash., No. 1, 1946–
Continuation of its Bull. Vet. Med. Prob.

UNITED STATES. VETERANS ADMINISTRATION. The medical bulletin. Wash., v.**1–21**, 1925–44.

UNITED STATES. VETERANS ADMINISTRATION. MEDICAL AND HOSPITAL SERVICE. Clinical bulletin. Wash., No. 8, 1935–

UNITED STATES. VETERANS' HOSPITAL. Surgical staff seminars. Minneap., v.**1**, 1946–

WOOD MEDICAL REVIEW. Wood, Wis., v.**1**, 1947–

—— **Veterinary medicine.**

ARMY VETERINARY BULLETIN. Carlisle Barracks, v.**36**, No. 2, 1942–v.**37**, No. 3, 1943.
Continuation of the **Veterinary** bulletin.

ASKERÎ TIBBI BAYTARI MECMUASI. Istambul, v.**1–15**, 1923–37.
For continuation see **Askerî** veteriner mecmuasi.

ASKERÎ VETERINER DERGISI. Ankara, v.**25**, 1949–
Continuation of **Askerî** veteriner mecmuasi.

ASKERÎ VETERINER MECMUASI. Istambul, v. **15–26**, 1938–48.
Continuation of **Askerî** tibbi baytari mecmuasi; continued as **Askerî** veteriner dergisi.

BOLETIM VETERINARIO DO EXÉRCITO. Rio, No. 3, 1934–

GREAT BRITAIN. ROYAL ARMY VETERINARY CORPS. Journal. Lond., v.**5**, 1933–

REVISTA MILITAR DE MEDICINA VETERINARIA. Rio, v.**1**, 1938–
Incomplete; for continuation see next entry.

REVISTA MILITAR DE REMONTA E VETERINÁRIA. Rio, v.**6**, No. 44, 1944–
Continuation of the preceding.

REVUE VÉTÉRINAIRE MILITAIRE. Par., v.**7**, 1923–

VETERINARY BULLETIN. Wash., &c., v.**5**, 1920–v.**36**, No. 1, 1942.
For continuation see **Army veterinary bulletin.**

JUGOSLAVIA.

For references to this country see the following headings in the Military Section: **Air Force Medical Service; Dental service; Hospital report; Medical examination; Medical organization; Medical service; Morbidity; Ration; Sanitation; Tuberculosis; Venereal disease; World War I; World War II.**

JUMPING.

See **Injury**—by branches of service: Air Force; **Parachute jumping.**

JUNGLE.

See also **Emergency; First aid kit;** also subsequent headings.

UNITED STATES. AIR FORCES. DIRECTORATE OF AIR TRAFFIC AND SAFETY, & DIRECTORATE OF SAFETY EDUCATION. Jungle and desert emergencies. 88p. 14½cm. n. p., 1943[?]

UNITED STATES. WAR DEPARTMENT. BUREAU OF PUBLIC RELATIONS. PRESS BRANCH. Guide to survival in jungle and desert. 3 l. 26½cm. Wash., 1943.

Australia against the jungle. Bull. Army M. Dep., Lond., 1945, No. 45, 1–4.—**Food** in the Burma jungles. Bull. U. S. Army M. Dep., 1944, No. 82, 38; No. 83, 34.—**Jungle** fruits and vegetables. Ibid., 1945, No. 85, 49–53.—**Leach, B. F.** Care of animals in the jungle. Army Vet. Bull., 1943, **37**: 20–3.

JUNGLE boot.

See under **Heat,** Clothing.

JUNGLE clothing.

See also **Clothing,** Environmental aspect.

UNITED STATES. ARMORED MEDICAL RESEARCH LABORATORY. Project No. 2: Operations at high temperatures. Partial report on Sub-Project No. 2–3: Test of the adequacy and ranges of use of clothing for jungle operations. v. p. 28cm. Fort Knox, 1943.

—— [The same] ... Partial report on Sub-Project No. 2–18, Effects of impregnated and impervious clothing upon the efficiency of personnel. v. p. 28cm. Fort Knox, 1943.

Robinson, S. Field tests of jungle clothing. Clin. Invest. Rep. (OSRD) Wash., 1943, No. 29, 1.

JUNGLE warfare.

UNITED STATES. ARMORED MEDICAL RESEARCH LABORATORY. Project No. 2: Operations at high temperatures. Report on Sub-Project No. 2–7: Determination of water and salt requirements for jungle operations. v. p. 28cm. Fort Knox, 1943.

UNITED STATES. WAR DEPARTMENT. FM 31–20: Basic field manual: Jungle warfare. 87p. 19cm. Wash., 1941.

Beck, I. Medicine in the jungles. Rhode Island M. J., 1944, **27**: 35.—**Carter, H. P.** Medical problems in jungle warfare. Mil. Rev., Fort Leavenw., 1942–44, **23**: No. 3, 28–31.—**Doe, J. A.** Notes on jungle warfare. Ibid., No. 10, 5–9.—**Epstein, E.** The lichen planus-eczematoid dermatitis complex of the Southwest Pacific; a study of 65 cases. Bull. U. S. Army M. Dep., 1945, **4**: 687–94.—**Fairley, N. H.** Medicine in jungle warfare. Proc. R. Soc. M., Lond., 1944–45, **38**: 195–8.—**Jungle** warfare. Infantry J., 1942, **1**: No. 5, 49–54; passim.—**Mistachkin, N. L.** Medical observations on Seabees in the jungle. U. S. Nav. M. Bull., 1945, **44**: 916–29.—**Morris, J. N.** Report on the health of 401 Chindits. J. R. Army M. Corps, 1945, **85**: 123–32.—**O., F. F.** The portables in action; American hospitals set up within a few yards, not miles, of enemy lines during jungle warfare. War Doctor, 1943–44, **2**: No. 2, 5.—**Rivett, R.** The work of the pharmacists in P. O. W. jungle camps. Australas. J. Pharm., 1946, **27**: 894.—**Thompson, P. W.** The Japanese Army; jungle war in Malaya. Infantry J., 1942, **1**: No. 5, 10–23.—**Williams, A. H.** Psychiatry in jungle warfare. J. R. Army M. Corps, 1949, **93**: 75–9.

KAHN test.

See **Syphilis,** Diagnosis.

KARELIAN Isthmus.

See under **World War II.**

KERATITIS.

For desiccation keratitis see under **Desert warfare.**

KERATOCONJUNCTIVITIS.

See also **Eye,** Disease.

Epidemic kerato-conjunctivitis. Bull. Army M. Dep., Lond., 1943, No. 24, 7. Also Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 14, 1–3.—**Flick, J. J.** Keratoconjunctivitis in the Philippine Islands. J. Mil. M. Pacific, 1946, **2**: No. 3, 34–42, 4 pl.—**Fritz, W. H.** Epidemic keratoconjunctivitis. Med. Bull. Veterans Admin., 1944–45, **21**: 48–50.

KHALKIN-GOL operation (1939)

See under **Wars and campaigns.**

KHASAN-MONGOL campaign (1938)

See under **Wars and campaigns.**

KHIVA campaigns (1873)

See under **Wars and campaigns.**

KIDNEY.

See also **Urogenital apparatus;** also names of kidney diseases as **Nephritis; Nephrosis.**

Hayman, J. M., jr. The measurement of renal function. 9p. 27cm. Wash., 1948.
Forms Tech. Bull. TB 10-41, U. S. Veterans Admin.

Miller, A. J. Physiological and biochemical evaluation of long term acclimatization to a cold environment; an evaluation of the renal function of men living in a cold environment. 11 l. 27cm. Ladd Air Force Base, 1948.
Forms Sect. 1, Proj. I, U. S. Air Force Arct. Aeromed. Laborat.

Acero Santamaria, E. La constante de Ambard en el riñón quirúrgico; su valor actual. Med. & cir. guerra, 1946, 8: No. 14, 44–6.—**Bueno Rodrigo, L.** Normas generales de exploración urológica. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 611–23.—**Hayman, J. M.** Recent advances in renal physiology. Surgeon Circ. M. Sect. Far East Command, 1949, 4: No. 2, 14–6.—**Kelley, V.** Renal function studies in relation to anoxia. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 19.

—— Disease.

See also **Nephritis; Nephrosis.**

Blüthgen, O. H. *Ueber die doppelseitigen Nierenerkrankungen in der Wehrmacht während des Krieges und ihre Beziehungen zu inneren und äusseren Krankheitsbedingungen in der Zeit vom 19.–28. Februar 1942. 46 l. 30½cm. Berl., 1945.

Heidenreich, H. R. G. *Ueber die Nierenerkrankungen in der Wehrmacht während des Krieges und ihre Beziehungen zu inneren und äusseren Krankheitsbedingungen in der Zeit vom 1. bis 10. Juni 1942. 29 l. 30cm. Berl., 1945 [?]

Burkitt, D. P., & Hamburger, H. J. A case of bilateral congenital hydro-ureter and hydronephrosis. J. R. Army M. Corps, 1946, 87: 34–7.—**Butts, J. B., & Conley, J. E.** Perinephric abscess; report of three cases simulating acute appendicitis. U. S. Nav. M. Bull., 1945, 45: 1081–7.—**Cokely, H. J., & Webster, R. N.** Solitary pelvic ectopic kidney. Ibid., 1949, 49: 333–6.—**Duval & Trinité-Schillemans, A.** Sept cas de malformations rénales. Bull. Soc. méd. mil. fr., 1949, 43: 83.—**Enyart, J. L., Veseen, L. L., & Miller, W. W., jr.** The ectopic kidney with a presentation of five case reports. U. S. Nav. M. Bull., 1946, 46: 1614–20.—**Fernández Bravo, E. A.** Psoitis supurada como complicación de una pionefrosis calculosa. Rev. san. mil., Habana, 1944, 8: 158–62.—**Hallett, G. S.** A case of pyonephrosis in a pelvic kidney. J. R. Army M. Corps, 1944, 83: 150.—**Harrison, J. H., & Botsford, T. W.** Experiences in the management of congenital anomaly of the kidney in the Army. J. Urol., Balt., 1946, 55: 309–22.—**Holzhausen, C.** Nierenmissbildungen bei Soldaten. Zschr. urol. Chir., 1941–42, 46: 295–303.—**Hydronephrosis.** Statist. Navy M., 1949, 5: No. 2, 10–2.—**Koen, L., & Petković, S.** Sarkom bubrega, otkriven posle povrede. Voj. san. pregl., Beogr., 1945, 2: No. 8, 52–5. ——— **& Adanja, S.** Kamen u ektopičnom bubregu. Ibid., 45.—**Leiter, S. S., & Waterman, J. L.** Polycystic disease of the kidneys. U. S. Nav. M. Bull., 1944, 43: 223–31.—**Meeter, U. L., & Schwartz, J. W.** Renal infarction; report of two cases. U. S. Armed Forces M. J., 1950, 1: 292–5, illust.—**Melendo Lorente, F.** Aplasia renal. Med. & cir. guerra, 1949, 11: 389–93.—**Michard & Aulong.** A propos d'un kyste hydatique du rein. Bull. Soc. méd. mil. fr., 1947, 41: 158–60.—**Newman, B.** Intercapillary glomerulosclerosis; a syndrome of diabetes, hypertension, and albuminuria. Med. Bull. Veterans Admin., 1944–45, 21: 86–8.—**Redish, J.** Normal renal function and pathologic physiology in renal failure. Bull. U. S. Army M. Dep., 1948, 8: 232–5.—**Vasiliu, Silvestrovici & Francke, O.** Considerațiuni asupra kistului hidatic de rinichi. Rev. san. mil., Bucur., 1934, 33: 371; 474.—**Warren, H., & Mason, J. T., jr.** Hydronephrosis simulating peptic ulcer; with report of a case. U. S. Nav. M. Bull., 1946, 46: 1907–9.—**Yosida, K.** Grawitz-si syuyō no iti rei [Grawitz's tumor] Gun idan zassi, 1929, No. 191, 711–4, illust.

—— Injury.

Bumm, E. Zur Frage der Erkennung von Art und Schwere einfacher Nierenschüsse. Deut. Militärarzt, 1942, 7: 709–11.—**Cannon, E. M.** Perforating wounds of the kidney. U. S. Nav. M. Bull., 1946, 46: 49.—**Chevassu, M.** Plaies du rein par projectiles de guerre. J. urol. méd., Par., 1939–40, 48: 469–82.—**Endō, K.** Zinzō hika-haretu no tiken rei ni tuite [on a cured case of subcutaneous rupture of the kidneys] Gun idan zassi, 1927, No. 171, 1095–104.—**Heim, H.** Schussverletzungen der Niere. Deut. Militärarzt, 1942, 7: 8–12. Also Veröff. Marine San., 1942, H. 34, 10–3.—**Koen, L., & Petković, S.** Povrede bubrega vatrenim oružjem. Voj. san. pregl., Beogr., 1945, 2: No. 8, 55.—**Michelsohn, Y. D.** Ognestrelnye ranenija poček po materialu voiny II. Vest. khir., 1948, 68: No. 3, 66.—**Walker, K., & Bailey, H.** Wounds and injuries of the kidneys. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 927–36.

KILLED in action.

See under **Casualty; Physician.**

KINESIOLOGY.

See also **Physical therapy; Physical training.**

Jornadas argentinas de kinesiología. Rev. san. mil. argent., 1949, 48: 183.—**Nágera, J. M.** Kinesiología de guerra. Rev. san. mil., B. Air., 1945, 44: 101–4.—**Streckfuss, H.** Vielzweckgerät für eigentätige Bewegungsübungen. Deut. Militärarzt, 1943, 8: 663.—**Taddia, R. E.** La kinesiología como auxiliar de la odontología. Rev. san. aeronáut., B. Air., 1948, 1: 141–4.

KINESTHESIA.

See under **Flying,** Mental and neural effect.

KINETOSIS.

See also **Airsickness; Seasickness.**

Birren, J. E., Stormont, R. T., & Fisher, M. B. Side effects of three motion sickness preventives. 7p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X-278, U. S. Nav. M. Res. Inst.

Birren, J. E., Stormont, R. T., & Pfeiffer, C. C. An evaluation of the potentiality of bulbocapnine as a motion sickness preventive. 6p. 26½cm. Bethesda, 1944.
Forms Rep. No. 3, Res. Proj. X-278, U. S. Nav. M. Res. Inst.

Great Britain. Flying Personnel Research Committee. Airsickness Sub-Committee. [Minutes of the] meeting. Lond., 5., 1941–
Forms numbers of the F. P. R. C. reports.

Lewis, F. J., Shaw, C. C. [et al.] Effect of dramamine on landing boat motion sickness and marksmanship. 13 l. 27½cm. Camp Lejeune, 1949.
Forms Res. Proj. NM 012 012, U. S. Nav. M. Field Res. Laborat.

McNally, W. J., & Stuart, E. A. Physiology of the labyrinth reviewed in relation to seasickness and other forms of motion sickness. p.683–771. 26cm. Chic., 1942.
War Med., Chic., 1942, 2:

Noble, R. L. Therapeutic tests on motion sickness induced in humans with the swing. 3p. 28cm. Ottawa[?] 1944 [?]
Forms No. C-6058, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

—— The effects of different types of motion on motion sickness in the dog. 4p. 28cm. Ottawa[?] 1944 [?]
Forms No. C-6059. Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Witts, L. J. Remedies for sea-sickness and air-sickness. 7 l. 23½cm. Lond., 1941.
Forms F. P. R. C. No. 318, Gr. Britain Flying Pers. Res. Com.

Agin, L. J., Marcum, S. G. [et al.] Airsickness and related psychosomatic complaints. Air Surgeon Bull., 1945, 2: 235.—**Bard, P.** Motion sickness. In: Advance. Mil. Med., Bost., 1948, 1: 278–95.—**Birren, J. E., Fisher, M. B., & Stormont, R. T.** Evaluation of a motion sickness questionnaire in pre-

dicting susceptibility to seasickness. U. S. Nav. M. Bull., 1945, 45: 629–34.—**Flaherty, T. T.** Airsickness during acrobatics. Ibid., 1942, 40: 902–6.—**Hemingway, A.** Cardiovascular changes in motion sickness. J. Aviat. M., 1945, 16: 417–21. ——— Selection of men for aeronautical training based on susceptibility to motion sickness. Ibid., 1946, 17: 153–63.—**L., H. M. C.** Motion sickness remedies. Bumed News Lett., Wash., 1944, 4: No. 7, 15–7.—**McEachern, D., Morton, G., & Lehman, P.** Seasickness and other forms of motion sickness; a general review of the literature. War Med., Chic., 1942, 2: 410–28.—**New** motion sickness preventive. Bull. U. S. Army M. Dep., 1949, 9: 335.—**Noble, R. L.** Motion sickness. Proc. Com. Army M. Res. (Canada) 1944, 5. meet., No. 5, C.6144, 1. ——— Motion sickness in dogs. Ibid., 1947, 10. meet., App. A–1, 1.—**Parker, J. M.** Motion sickness studies at H. M. C. S. York. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 143–7.—**Simon, S. W., & Seyler, L. E.** Dramamine in pilots. J. Aviat. M., 1949, 20: 371.—**Spiegel, E. A., Oppenheimer, M. J.** [et al.] Experimental production of motion sickness. War Med., Chic., 1944, 6: 283–90.—V program for D-day; the prevention of motion sickness. What's New, North Chic., 1948, No. 126, 2, &c.—**Wendt, G. R.** Of what importance are psychological factors in motion sickness? J. Aviat. M., 1948, 19: 24–33. ——— Motion sickness. Q. Project Summary Off. Nav. Res., 1948, July, 377.—**Zwerling, I.** A note on Wendt's views of the importance of psychological factors in motion sickness. J. Aviat. M., 1949, 20: 68–71.

KISKA.

See under **World War II.**

KIT.

See also **Chest; Dental chest; Emergency kit; First-aid kit; Flight nurse; Gas poisoning,** First aid.

Barker, E. D. Kit, sewing and camp repair combinations. 8p. 27cm. Dayton, 1948.
Forms No. MCREXD–670–22F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Spangler, H. J. Non-rigid kit [for medical supplies] 11 l. 27½cm. Camp Lejeune, 1948.
Forms Res. Proj. NM 112 046, U. S. Nav. M. Field Res. Laborat.

Aiton, H. F., & Pease, E. D. To construct and develop biochemical kits for field use. Proc. Com. Army M. Res. (Canada) 1944, 5. meet., No. 2, C.6117, 1, 7 pl.—**Allen, R. V.** Battle surgical kit. Hosp. Corps Q., 1943, 16: 29–35.—**Deluchi, J. R.** Botiquín de avión. Rev. san. mil., B. Air., 1936, 35: 521–7.—**Hudadov, A. M.** [A field kit for antiepidemic work] Voen. san. delo, 1942, No. 6, 65–7.—**Kit,** surgical, air crew. Jap. M. Equip. Rep., 1946, No. 182, 1–4.—**Pletcher, K. E., Flickinger, D., & Morhouse, C. H.** Development of aircraft observer bag, medical. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 28.—**Porter, H. B.** Special purpose medical kits. Flight Surgeon Topics, 1939, 3: 88, illust.—**Thorp, F. P., & Stein, M. E.** Development of a flight nurses' utility kit. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 36

KITCHEN.

See also **Hospital construction,** Kitchen.

Bacterial examination of dishes and utensils. Med. Bull. U. S. First Army, 1948, 3: No. 2, 4–7.—**Bacteriology** of dishwashing; laboratory examination of eating and drinking utensils. Health Bull. [U. S. 2. Army] 1947, Jan., 10–2.—**Bein, S. S.** An improvised method for sterilizing mess gear. Air Surgeon Bull., 1944, 1: No. 11, 17.—**Boycott, J. A.** A note on the transmission of infections by messing utensils. J. R. Army M. Corps, 1945, 85: 90–2.—**Cleansing** of personal feeding utensils in the field. Ibid., 83: 99–101.—**Cleland, R. R.** Dish and mess kit washing. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 13, 14.—**Cumming, J. G., & Yongue, N. E.** Hygiene and sanitation as they have influenced the health of the people; present day eating utensil sanitation. Mil. Surgeon, 1949, 104: 216–22.—**Device** for washing mess kits. Bull. U. S. Army M. Dep., 1944, No. 79, 4.—**Dishwashing** and sterilization. Month. Health Rep. Mil. Distr. Washington, 1948, 1: No. 2, 8.—**Essential** factors in proper dishwashing. U. S. Nav. M. Bull., 1944, 42: 990–2.—**Gordon, J. E.** Cleanliness of messes and kitchen equipment. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 2, No. 2, 23–7. ——— Mess kit laundry. Ibid., 34–6.—**Kozin-yō** syokki sendeki genkyō [The present situation with regard to the washing of individual eating-utensils (in the Army)] Gun idan zassi, 1930, No. 204, 827–38, illust.—**Mann, B.** The cleansing and sterilisation of mess tins in the field. Pub. Health, Lond., 1945–46, 59: 161–5. ——— The disinfection of mess tins in the field. J. R. Army M. Corps, 1946, 87: 275–80. ——— Health problems in the disinfection of crockery and cutlery in civilian and military life. Pub. Health, Lond., 1947–48, 61: 82–5.—**O'Donnell, D.** Mess gear sterilizing unit for land based Naval units. U. S. Nav. M. Bull., 1945, 44: 175–7.—**Proposed** (A) method for control of food utensil sanitation. Am. J. Pub. Health, 1944, 34: 255–8.—**Sampson, J.** Mess gear sterilization under field conditions. Air Surgeon Bull., 1945, 2: 87.—**Searle, A. C. H.** Sterilization of glasses, crockery and cutlery. J. R. Army M. Corps, 1938, 71: 361–81.—**Sellers, A. F., & Gowen, G. H.** Bacteriologic study of mess equipment. Bull. U. S. Army M. Dep., 1944, No. 82, 111–6.—**Uralsky, L. I.** Sterilizacija nožej, ložek, vilok v vojskovykh kukhnjakh. Voen. san. delo, 1940, No. 6, 84.—**Van Auken, H. A.** Compound germicidal rinse. In: Prev. Med. in World War II, Wash., 1948, 4: pt 2, 83–6.

—— Utensils and equipment.

Astafev, A. Kotelok. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 83.—**Grease** trap & soakage pit; kitchen over 100 men [plan] In: Prev. Med. in World War II, Wash., 1948, 11: pt 3, Chapt. 19, Exh. B, after p. 46.—**Murphy, H. E.** Hospital kitchen equipment. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 3, 36–50.—**Plastic** food-tray with compartments. Bull. U. S. Army M. Dep., 1943, No. 70, 11.

KNAPSACK sprayer.

See under **Insecticide,** Equipment.

KNEE.

See also **Surgical technic,** Knee.

Akamatu, T. Sikkansetu zyūzi-zintai oyobi soku-zintai danretu ni tuite [Rupture of the cruciate ligament and the lateral ligament of the knee] Gun idan zassi, 1924, No. 132, 343–65.—**Batch, J. W., & Fontneau, N. C.** A case of functional utilization of femoral pseudarthrosis in the presence of ankylosis of the knee. Bull. U. S. Army M. Dep., 1949, 9: 235–40.—**Beach, W. V.** Septic arthritis of the knee-joint; conservative treatment and recovery. J. R. Nav. M. Serv., 1943, 29: 70.—**Buckley, E. J.** Pellegrini-Stieda disease. U. S. Nav. M. Bull., 1945, 44: 947–51.—**Conway, W. H.** Acute and chronic suprapatellar tenosynovitis and fascitis in pilots of heavy bombers. Air Surgeon Bull., 1944, 1: No. 9, 18.—**Young, H. B.** Morbid conditions of the knee-joint in East African askaris with particular reference to aetiology and pathology. J. R. Army M. Corps, 1948, 90: 161–9.

—— artificial.

See also **Prosthesis.**

Abt, I. E., & Whitman, A. The bio-mechanical knee. Research Rev. (U. S. Navy) 1950, Feb., 21–6, illust.—**Hydraulic** knee. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 159.—**Knee.** Ibid., 158.

—— Injury.

See also **Joint,** Injury.

Allan, J. H., & Nicholson, J. T. Knee injuries in service personnel. U. S. Nav. M. Bull., 1944, 43: 63–72.—**Argüelles López, R.** Las heridas de la rodilla por arma de fuego; su tratamiento. Rev. españ. med. cir. guerra, 1939, 2: 203–12, illust.—**Carr, C. R., & Haggart, G. E.** Treatment of acute knee injuries with special attention to the weak knee syndrome. U. S. Nav. M. Bull., 1944, 42: 787–97.—**Dalmain, W. A.** Common knee injuries; some aspects in diagnosis and treatment. Am. J. Surg., 1945, 67: 503–9.—**David, F. F.** [The treatment of gunshot wounds of the knee joint under the conditions of a front line hospital] Khirurgia, Moskva, 1944, 61–8.—**Deck** explosions causing injuries about the knee associated with vascular changes in the extremities. Bumed News Lett., Wash., 1944, 4: No. 7, 23.—**Fisher, A. G. T.** Knee injuries in soldiers. Lancet, Lond., 1945, 1: 802.—**Hampton, O. P.,** jr. The management of penetrating wounds and suppurative arthritis of the knee joint in the Mediterranean Theater of Operations. J. Bone Surg., 1946, 28: 659–80.—**Hendry, N. G. C.** Penetrating wounds of the knee. J. R. Army M. Corps, 1949, 92: 55–76.—**Johnston, G. C.** Injuries to semilunar cartilages in the Army. J. Canad. M. Serv., 1943–44, 1: 294–304.—**Kartavova, A. N., & Južakova, S.** Ranenija kolennogo sustava po materialam hospitalja. Tr. Evakohosp., Leningr., 1943, No. 2, 128–33.—**Krauss & Mehnert.** Spätergebnisse von Schussverletzungen des Kniegelenkes. Deut. Militärarzt, 1944, 9: 420–8.—**Kravchenko, P. V., & Ryzhkova, V. E.** Lechenie i iskhody ognestrelnykh ranenij kolennogo sustava. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 303–15.—**Läwen, A.** Ueber die Behandlung schwerer Kniegelenksvereiterung nach Kriegsschussverletzungen. Deut. Militärarzt, 1942, 7: 161–6. ——— Zur Fixation des Kniegelenkes durch zeitweilige perkutane Nagelung bei Kriegsschussverletzungen. Zbl. Chir., 1944, 71: 860–2.—**Meekison, D. M.** The operative treatment of injuries to the semilunar cartilages in personnel of the British Air Forces. Canad. M. Ass. J., 1944, 51: 517–20.—**Mitchell, G. A. G.** Lesions of the semi-lunar fibrocartilages; a study of the types, positions and pathological changes. J. R. Army M. Corps, 1944, 83: 198–200. ——— An analysis of 800 consecutive knee cases. Ibid., 271–3.—**Peterson, T. H., & Lille, J. J.** Injuries of the semilunar cartilages of the knee. U. S. Nav. M. Bull., 1944, 42: 798–801.—**Rákos, R.** A térdizület háborús sérülései. Orvostud. közl., 1944, 5: 287–92.—**Santos, W., & Cunha Junior, P. da.** Lesões traumáticas do joelho. Rev. med. mil., Rio, 1944, 33: 357–87.—**Schwenn, E.**

Ueber die Erstversorgung von Kniegelenksschüssen im frontnahen Lazarett. Münch. med. Wschr., 1944, **91:** 246–9.—**Struppler, V.** Beobachtungen an Kniegelenkschüssen. Deut. Militärarzt, 1943, 8: 579–86.—**Thompson, J. E., Cassebaum, W. C., & Stewart, C. F.** Early management of penetrating wounds of knee joint. Bull. U. S. Army M. Dep., 1946, **5:** 439–44.—**Westhues, H.** Kniegelenk. In his Fortsch. Lager. Schwerverw., Berl., 1943, 58–81, illust.—**Wilkinson, L. H., & Burt, H. A.** Knee injuries in soldiers. Lancet, Lond., 1945, **1:** 684–6.

—— Internal derangement.

Brav, E. A. Cysts of the semilunar cartilages of the knee joint. Mil. Surgeon, 1949, **105:** 278–82.—**Butts, J. B., & Mitchell, J. T.** Pneumoroentgenarthrography as a diagnostic aid in internal derangements of the knee. U. S. Nav. M. Bull., 1946, **46:** 77–82.—**Cleveland, M., Willien, L. J., & Doran, P. C.** Surgical treatment of internal derangement of the knee joint among troops in training at Fort Jackson, South Carolina; an end-result study. J. Bone Surg., 1944, **26:** 329–36. Also In: Lect. Reconstr. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1944, 392–8.—**Gershon-Cohen, J.** Derangements of the knee joint. U. S. Nav. M. Bull., 1945, **45:** 488–99.—**Hampton, O.** Internal derangements of the knee joint. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 3, 17.—**Kellam, H. I. J.** Internal derangements of the knee in military practice. Canad. M. Ass. J., 1945, **53:** 143–7.—**Lazaroni, A. F.** Quiste meniscal. Rev. san. mil., B. Air., 1945, **44:** 1189–91.—**Luck, J. V., Smith, H. M. A.** [et al.] Orthopedic surgery in the Army Air Forces during World War II; introduction and internal derangements of the knee. Arch. Surg., 1948, **57:** 642–74.—**Pickett, J. C.** The diagnosis and treatment of internal derangements of the knee joint. Mil. Surgeon, 1945, **97:** 198–203.—**Stimson, B.** Observations on 500 cases of internal derangement of the knee in soldiers in forward areas. Profes. Staff Proc. Halloran Gen. Hosp., 1946, **1:** No. 5, 32–6.—**Terhune, S. R., & Gill, G. G.** An evaluation of surgical treatment of internal derangements of the knee in an Army general hospital. J. M. Ass. Alabama, 1946–47, **16:** 1–6.

KNEE angle.

See **Aircraft,** Prone position.

KODIAK Sector.

See under **World War II.**

KONIOMETER.

See under **Dust.**

KOREA.

See under **Hospital report; Wars and campaigns; World War II.**

K ration.

See under **Ration.**

K-2 ration.

See under **Desert.**

KURILE Islands.

See under **World War II.**

KWAJALEIN.

See under **World War II.**

KYUSYU.

See under **World War II.**

LABEL.

Spangler, H. J., Hartman, R. O., & Willcox, B. C. Determination of a suitable transparent glue and/or coating compound for waterproofing the labels on medical supplies. 25, 8 l. 27½cm. Camp Lejeune, 1945.
Forms Res. Proj. X–413, U. S. Nav. M. Field Res. Laborat.

LABORATORY.

See also **Atomic bomb,** Manufacture; **Atomic energy; Arctic service; Bacteriology,** Laboratory; **Dental laboratory; Equipment laboratory; Food laboratory; Gas poisoning,** Medical service; **Medical laboratory; Medical technician.**

United States. Department of the Army. Technical manual TM 8–227: Methods for laboratory technicians. Rev. ed. 618p. 23½cm. Wash., 1947.

Duyster, M. Het Centraal militair scheikundig laboratorium te Bandoeng. Pharm. tschr. Ned. Indië, 1927, **4:** 188; 390.—**Grigoroiu, I.** Organizarea si funcţionarea laboratoarelor de chimie volante intr'un eventual război. Rev. san. mil., Bucur., 1936, **35:** 1033–9.—**Ramírez y Melendez, E.** Laboratorios. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 127–34, illust.—**Rothschild, J. H.** New development laboratory opens; C. W. S. Technical Divisions steps out with complete research lab at M. I. T. Chem. Warf. Bull., 1942, **28:** 52–5, illust.—**U. S. Army Medical School** (1901–02) Army Chemical Laboratory. For group photogr. see Collection in Library.

—— Equipment and instruments.

See also **Laboratory chest.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/18: Packordnung des Chemischen Feldlaboratoriums; Packordnung; Betriebsanleitung, vom 1. August 1939 [Reprint] 64p. 21cm. Berl., 1941.

Multiple micro-tube washer. Bull. U. S. Army M. Dep., 1945, **4:** 46.—**Roseman, R., Thorp, H. G., jr, & Allan, B. W.** Protective cover for laboratory reagent bottles. Mil. Surgeon, 1946, **99:** 40.—**Smith, D. G., & Greenlaw, W. W.** Fumeless hot acid bath. U. S. Nav. M. Bull., 1946, **46:** 447.

LABORATORY animal.

Deuel, R. E., & Burns, K. F. Mouse holding instrument for brain harvesting. Bull. U. S. Army M. Dep., 1948, **8:** 163.—**Moore, R. L.** A medical zoo. Mil. Surgeon, 1945, **96:** 529–31.—**Tikano, H.** Seikin tyūsya dōbutu no syūyō wo mokuteki to suru sisei siken-dōbutu-bako ni tuite [... manufacture of cages for experimental animals inoculated with living bacteria] Gun idan zassi, 1928, 839–53.

LABORATORY chest.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/17: Packordnung des grossen Reagenzienkastens; Inhaltsverzeichnis des grossen Reagentienkastens, zugleich Packordnung [11]p. 18½cm. Berl., 1939[?]

—— [The same] ... Chemisches Feldlaboratorium, Kasten 8, vom 1. September 1939; Packordnung; Betriebsanleitung [Reprint] 15p. 21cm. Berl., 1941.

Schuessler, C. F. Development of a lightweight basic laboratory chest. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 43.

LABYRINTH.

See under **Ear.**

LACRIMAL apparatus.

See also **Eye.**

Di Giorgi, P. Dacrioadenoptosi bilaterale spontanea. Gior. med. mil., 1942, **90:** 435–48.—**Poliak, B. L.** Godnost k voennoj službe lic s dakriocistitom i epiforoj. Voen. san. delo, 1941, No. 5, 65–7.

LACRIMATOR.

See **Gas poisoning,** Tear gas.

LAELAPS.

See **Epidemic hemorrhagic fever; Mite.**

LAGUNA (1866)

See under **Wars and campaigns.**

LAMP.

Spangler, H. J. Portable dental operating light for field use. 8 l. 27½cm. Camp Lejeune, 1946.
Forms Res. Proj. X–664, U. S. Nav. M. Field Res. Laborat.

Barinstein, L., & Marcinovsky, A. [Adjustable lamp for operations on the battle field] Voen. san. delo, 1935, 57–9.—**Cameron, M. C.** Emergency surgical spotlight. U. S. Nav. M. Bull., 1944, **43:** 562.—**Fluorescent** lamps; warning. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 7, 5.

LANDING.

See also **Aircraft carrier; Aviator,** Eye.

Hill, B. Investigation of landing incidents in relation to fatigue. Gr. Britain Flying Pers. Res. Com., 1943, No. 537, 11.

LANDING operation.

For casualty see under **Injury**—by branches of service: Amphibious forces.

LANDING ship.

See L S T; also under **Amphibious warfare.**

LAND mine.

See **Mine.**

LAND warfare.

See also **Geneva Convention; Humanitarianism; Law.**

United States. War Department. TM 27–251: Treaties governing land warfare. 196p. 21½cm. Wash., 1944.

United States. War Department. Office of the Chief of Staff. Rules of land warfare. 221p. 15½cm. Wash., 1917.

Baxter, J. P., III. Land warfare. In his Scientists Against Time, Bost., 1946, 100–17.—**Dorpalen, A.** Land warfare. In his World of Gen. Haushofer, N. Y., 1942, 285–94.—**Freytagh-Loringhoven.** Il diritto delle genti in tempo di guerra. Minerva (Riv.) 1943, **53:** 125.—**Schaefer, G.** La Convención de Ginebra. Actas Ciba, B. Air., 1941, 43–8, illust. ——— El trabajo de la Cruz Roja en la guerra. Ibid., 49–56, illust.—**Süreyya Endik** [Evacuation of wounded in land warfare] Askeri sihhiye mecmuasi, 1940, **69:** 49–60.

LANTERN tests.

See **Vision,** Color vision: Tests.

LAOS.

See under **World War II.**

LARVA.

See also next heading; also **Insect.**

Fassig, W. W. Iso-amyl alcohol as a dehydrating agent in the preparation of mosquito larvae and larval exuviae slides. J. Mil. M. Pacific, 1945, **1:** No. 2, 51.

LARVICIDE.

See also **Insecticide; Mosquito control.**

Burgess, B. F., jr. Studies on insect control; surface film studies on DDT-oil larvicides. v. l. [14] l. 28cm. Camp Lejeune, 1949.

Forms Sub-Proj. 3–48, Res. Proj. NM 005 026, U. S. Nav. M. Field Res. Laborat.

Cox, W. C. Observations and comments on the efficacy of a new larvicide and some methods of application. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 2, Chapt. 14, Exh. D, 1–16.—**Device** for releasing larvicidal oil. Air Surgeon Bull., 1944, **1:** No. 12, 23.—**Larvicide,** DDT, powder, dissolving. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 2, 58–60.

LARYNX.

See also **Surgical technic,** Larynx.

Gadomski, W. Przyczynek do leczenia niektórych schorzeń laryngologicznych miejscowymi wstrzykiwaniami penicyliny. Lek. wojsk., 1949, **25:** 318–21.—**Jiménez Andrades, D.** Estado actual del tratamiento del cáncer laríngeo. Med. & cir. guerra, 1949, **11:** 39–41.—**Lavezzo, P.** Algunas consideraciones sobre radiología de laringe. Rev. san. mil., B. Air., 1946, **45:** 1193–8.—**Pautov, N. A.** Lećenie khroničeskikh stenozov gortani. In: Opyt sovet. med. v Velik. otеć. vojne, Moskva, 1950, **8:** 220–45, pl.—**Sloboďskaia, D. F., & Martens, A. S.** Opyt primenenija ultrafioletovykh lučej pri lećenii LOR-zabolevanija. Voen. san. delo, 1941, No. 3, 55–7.

—— Injury.

Amaral, O. J. do, & Vieira Filho, O. Feridas de guerra da laringe. An. Hosp. centr. exerc., Rio, 1943, **8:** 101–4.—**Bokstein, F. S.** K voprosu o perikhondritakh gortani posle ognestrelnykh ranenij. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 64–74.—**Buzoianu, G., Arieşanu, I., & Ambrus, V.** Syndrome Tapia atypique dû à un traumatisme de guerre. Rev. sc. otorhinolar., Cluj, 1946, **10:** 66–70.—**Frumin, L. L.** Khondro-perikhondrity gortannotrakhealnoj trubki ognestrelnogo proiskhoždenija i ikh lećenie. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 80–3.—**Gordyshevsky, T. I.** O klassifikacii ognestrelnykh ranenij gortani i glotki. Voen. med. J., Moskva, 1945, April, 21–3.—**Greifenstein.** Gunshot wounds in the larynx, stenoses of the larynx and their treatment. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 79–100.—**Lederer, F. L., & Howard, J. C.** Wartime laryngeal injuries. Arch. Otolar., Chic., 1946, **43:** 331–43.—**Schmidt, W.** Zur Behandlung der Stimmstörungen nach Kehlkopfverletzungen. Deut. Militärarzt, 1943, **8:** 702–10.—**Trutnev, V. K.** K voprosu ob ognestrelnykh ranenijakh gortani. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 42.—**Usoltcev, N. N.** Sposoby kormlenija ranenykh s ognestrelnymi poraženijami glotki, gortani i pišćevoda. Ibid., 43–5. ——— O lećenii perikhondritov gortani rezekciej khrjaśćej bez vskrytija prosveta dykhatelnoj trubki. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 74–80.—**Weiss, M.** Zaostali metak u grkljanu. Voj. san. pregl., Beogr., 1948, **5:** 33–6.

LATERAL sinus.

See under **Meninges.**

LATRINE.

See also **Fecal matter.**

Compo ration box latrine. J. R. Army M. Corps, 1944, **82:** 289.—**Cox, C. D.** Self-closing latrine seats. Ibid., 291–3.—**Cox, W. C.** Pit latrines. In: Prev. Med. in World War II, Wash., 1948, **11:** 26.—**Deeney, H. J.** Yeast treatment of pit latrines. Ibid., Chapt. 7, Exh. A, 1–3.—**Fasily** transported toilet seats. Bull. U. S. Army M. Dep., 1944, No. 80, 7.—**Fragala, F. J.** Latrine for Indian laborers. Field M. Bull. (Burma) 1945, **4:** 327, illust.—**Fuhrman, R. E.** Methods and equipment for pit latrine construction in frozen ground. Bull. San. Engin. (NRC) Wash., 1949, 17. meet., 220–2.—**Hobbin, G. M.** A new type of latrine superstructure in North Africa. J. R. Army M. Corps, 1944, **82:** 290.—**Johnson, A. S.** Fly-proof head for field use. U. S. Nav. M. Bull., 1945, **44:** 1079–81.—**Keller, H.** Neuzeitliche Feldaborte; ein Kapitel zur Lagerhygiene in warmen Ländern. Deut. Militärarzt, 1941, **6:** 370–4.—**Kschwendt, M.** Selbsttätige Verschlussvorrichtung für Hock- und Feldlatrinen. Ibid., 1943, **8:** 54–6.—**Markowe, M.** A note on field improvised appliances; portable latrine superstructure. J. R. Army M. Corps, 1944, **83:** 285–8.—**Martin, C. C.** Sanitary field latrine. U. S. Patent Off., 1946, No. 2,410,092.—**Mound** (The) latrine. Bull. U. S. Army M. Dep., 1944, No. 83, 15.—**Pail** latrine system. Ibid., No. 77, 11–4.—**Penhallow, D. P.** An out-door toilet paper holder. Mil. Surgeon, 1941, **88:** 668.—**Standard** fly trap [plan] In: Prev. Med. in World War II, Wash., 1948, **11:** pt 3, Chapt. 19, Exh. B, after p. 46.—**Standard** latrine, four hole, 50 men [plan] Ibid., 46.—**Trachtman, J. N.** Prisposoblenie dlja zakryvanija kryśki polevoj ubornoj. Voen. med. J., Moskva, 1945, March, 58.—**Van Dyke, P. B.** Practical head for lowlands. U. S. Nav. M. Bull., 1945, **45:** 167–9.—**Vick, F.** Feldlatrinen in den Subtropen und Tropen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 119–24. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 137–43. ——— Die Rauchlatrine. Deut. Militärarzt, 1944, **9:** 297–9.

LAUNDRY.

Camp (A) washing day, August 15, 1846; wood engraving from the Journal of William H. Richardson, 1848. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 151.—**Mikhelson, G.** Polevaja mekhaniśeskaja praćećnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 709–11. ——— Polevoj praćećnyj otrjad. Ibid., 716–9. ——— **Popov, I., & Morev, V.** Praćećnye. Ibid., 832–6.—**Process** for laundering with sea water. Bull. U. S. Army M. Dep., 1944, No. 81, 7.—**Salt** water washing for hospital-ship laundries. Burned News Lett., Wash., 1945, **5:** No. 1, 21.

LAW.

See also **Civil rights; Geneva convention; Humanitarianism; Prisoner of war,** Laws; **Regulation.**

Dietz, H. Die Ehrengerichtsverordnungen, Neufassung 1910 (Bayern: 1911) ... nebst ergänzenden Erlassen und Bestimmungen. 2. und 3. Aufl. 301p. 18½cm. Rastatt, 1912.

Great Britain. Parliament. An act to continue the Acts for punishing mutiny and

desertion, and false musters, and for the better payment of the Army and quarters; and for approving of medicines for the Army. p.283–4. 28cm. Lond., 1711.

Pacte Roerich [Le] bannière de paix. 204p. 8° Par., 1931.

Puttkammer, E. W. War and the law. 205p. 22cm. Chic., 1944.

Tillotson, L. S. The articles of war. 266p. 23½cm. Harrisb., 1942.

Union of South Africa. Department of Defence. Coast Garrison and Active Citizen Forces; regulations, reprinted and brought up to date January 1941; includes Amendment slip No. 63 G. N. 987 dated 21st June, 1940. 183p. 24cm. Pretoria, 1941.

Brussel, J. A., & Wexler, O. The neuropsychiatrist and military law. Psychiat. Q., 1944, **18:** 477–89.—**Coggin, C. B.** Military law and Articles of War. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 49–55.—**De Marsico, A.** La legislazione di guerra e le tendenze sociali. Scuola posit., 1918, **28:** 1–21.—**Dickinson, J.** Enemy-owned property; restitution or confiscation? Foreign Affairs, 1943–44, **22:** 126–42.—**King, A.** Legal education in the Army. Current Leg. Thought, 1941–42, **8:** 515–7.—**Miller, W. N.** Martial law for health. Oral Hyg., Pittsb., 1942, **32:** 929–31.

—— International agreements.

See also **Geneva Convention; Humanitarianism; International law.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 231-1: Kriegsvölkerrecht; Sammlung zwischenstaatlicher Abkommen von allgemeiner Bedeutung für die Truppe, vom 1. Oktober 1939. 44p. 21cm. Berl., 1940.

Undén, B. O., Vossler, K., & Vermeil, E. La guerre d'agression comme problème de droit international; l'Espagne, l'homme et le peuple; démocratie française et démocratie allemande. 107p. 8° Par., 1930.

Forms Bull. No. 6, Conciliation Internat. Dotation Carnegie pour la Paix Internat.

United States. Congress. 63. Congr., 2. sess., H. R. 1151. The first and second international peace conference, held at the Hague, 1899 and 1907. 215p. 8° Wash., 1914.

Voncken, J. Le droit des gens et la guerre. 94p. 24cm. Par., 1937.

Des Cilleuls, J. A propos de la révision des Conventions de Genève. Concours méd., 1948, **70:** 394–8.—**Dukashevich, D.** Zhenevskaja konvencija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 678–84.—**Manganaro, C.** La protezione dei malati e dei feriti anteriormente alla Convenzione di Ginevra del 1864. Rass. clin. ter., 1933, **32:** Boll., 33–41.—**Orlenko, P.** Haagskaja konvencija. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1121–3. —— Konvencii meždunarodnye. Ibid., **2:** 1400–2.

—— medical.

See also **Preparedness,** medical.

[Spain. Chief of Health of the Army of the Republic] Disposiciones oficiales publicadas en el diario oficial de Ministerio de defensa nacional a partir del 8 abril de 1937. 16p. 8° Valencia, 1937.

Legislation of interest to the medical department of the Army. Army M. Bull., 1937, No. 42, 73–6.—**Medical** bills in Congress. J. Am. M. Ass., 1940, **115:** 1286.—**Peytel, A.** Les médecins et la loi sur la cessation des hostilités. Paris méd., 1919, **34:** 276.—**Recent** legislation for the Medical Department. Army M. Bull., 1938, No. 44, 68. Also Dent. Bull., Carlisle, 1938, **9:** 85–6.—**Reynolds, C. R.** Legislation affecting the Medical Department. Army M. Bull., 1936, **36:** 1–13. Also Mil. Surgeon, 1936, **79:** 1–10.

LEADERSHIP.

See also **Discipline; Esprit de corps; Morale.**

Driest, W. Richtlinien über Menschenführung in der Truppe; seelische Wehrbetreuung. 2. Aufl. 96p. 20½cm. Berl., 1944.

Marshall, S. L. A. Men against fire; the problem of battle command in future war. 215p. 21cm. Wash., 1947.

Roff, M. F. A study of combat leadership in the Air Force by use of a rating scale. 26p. 26½cm. Randolph Field, 1950.

Forms Proj. No. 21–02–013, U. S. Air Force School Aviat. M.

Suchman, E. A., Stouffer, S. A., & DeVinney, L. C. Attitudes toward leadership and social control. p.362–429. 24½cm. Princet., 1949.

In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, **1:**

Williams, S. B., Leavitt, H. J., & Blair, C. L. Validation of officer selection tests by means of combat proficiency ratings; the prediction of successful combat leadership. 18 l. 27cm. Camp Lejeune, 1946.

Forms Rep. No. 1, Res. Proj. X–620, U. S. Nav. M. Field Res. Laborat.

Age of American military leaders; the Army. Statist. Bull. Metrop. Life Insur., 1945, **26:** No. 8, 2–4.—**Age** of American military leaders; the Navy. Ibid., 1–3.—**Baier, D. E.** Note on a review of leadership studies with particular reference to military problems. Psychol. Bull., 1947, **44:** 466.—**Barker, M. E.** Leadership in combat. Chem. Warf. Bull., 1944, **30:** No. 3, 28–31.—**Bray, C. W.** Leadership. In his Psychol. & Milit. Profic., Princet., 1948, 66–72.—**Carter, L.** Basic studies of leadership. Q. Project Summary Off. Nav. Res., 1948, July, 388.—**Crannell, C. W., & Mollenkopf, W. G.** Combat leadership. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 14, 30–76, tab.—**Greenfield, K. R., & Palmer, R. R.** Leadership, the officer problem. In: U. S. Army in World War II, Wash., 1947, AGF , **1:** 48–51.—**Hays, V. R.** Psych A for platoon leaders. Chem. Warf. Bull., 1944, **30:** No. 5, 20–5.—**Illing, E.** Psychiatrische Hinweise zur militärischen Führerauslese, unter besonderer Berücksichtigung charakterologischer und erbbiologischer Gesichtspunkte. Bull. War M., Lond., 1942–43, **3:** 342 (Abstr.)—**Jenkins, W. O.** A review of leadership studies with particular reference to military problems. Psychol. Bull., 1947, **44:** 54–79.—**Jonas, C. H.** Leadership as a health factor. Mil. Rev., Fort Leavenw., 1947–48, **27:** No. 12, 55–8.—**Leadership.** In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 410–31.—**Page, H. E.** Detecting potential leaders. J. Aviat. M., 1948, **19:** 435–41.—**Principles** of leadership. Spec. Ser. U. S. Mil. Intell. Serv., 1942, No. 3, 26–39.—**Roff, M.** Study of combat leadership. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 12.—**Williams, S. B., & Leavitt, H. J.** Group opinion as a predictor of military leadership. J. Consult. Psychol., 1947, **11:** 283–91.—**Zarianov, A.** Voennyj rukovoditel. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 951.

LEAD poisoning.

Agapitova, A. S. Kliniċeskie nabljudenija nad peroralnymi otravlenijami tetraetilsvincom (TES) In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 171–4.—**Gent, J. C.** An unusual case of lead poisoning. J. R. Nav. M. Serv., 1945, **31:** 117.—**Gordon, J. E.** Tetra-ethyl lead gasoline. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 10, 9.—**Khomutova, M. A.** Opredelenie svinca v polude v prisutstvii żeleza i medi v polevykh uslovijakh. Voen. med. J., Moskva, 1945, March, 54.—**Lead** absorption and poisoning. Hosp. Corps Q., 1947, **20:** No. 3, 10–2.—**Negisi, K.** Zin-teki senryoku no ue yori mitaru ryūdan ni tuite [... bullets—lead poisoning] Gun idan zassi, 1938, 1246–50.

LEATHER.

See **Boot leather.**

LEAVE.

See also **Absence without leave; Desertion.**

United States. War Department. War Department pamphlet No. 20–5: Absence without leave. 28p. 23½cm. Wash., 1944.

Civilian medical and hospital treatment of enlisted personnel of the Navy and Marine Corps on leave or liberty [Form letter] Bumed News Lett., Wash., 1944, **4:** No. 9, 25.—**Davis, D. B., Wolman, H. M.** [et al.] Absence without leave; psychiatric study of 100 A. W. O. L. prisoners. War Med., Chic., 1945, **7:** 147–51.—**Feldman, H., & Maleski, A. A.** Factors differentiating AWOL from non-AWOL trainees. J. Abnorm. Psychol., 1948, **43:** 70–7.—**Fox, H. M.** A variety of furlough psychosis. Psychiatry, Balt., 1944, **7:** 207–13.—**Guttmacher, M., & Stewart, F. A.** A psychiatric study of absence without leave. Am. J. Psychiat., 1945–46, **102:** 74–81.—**Manson, M. P., & Grayson, H. M.** Why 2,276 American soldiers in the Mediterranean Theater of Operation were absent without leave, deserted, or misbehaved before the enemy. Ibid., 1946–47, **103:** 50–4.—**Melzner, E.** Auf Arbeitsurlaub. Aerztebl. Hessen

1941, 9: 144–7.—**Red Cross** makes arrangements for first leave of American soldiers. J. Am. M. Ass., 1942, 119: 1382.—**Smith, D. C.** Emergency furloughs. Ibid., 1943, 122: 1033.

—— Sick leave.

Jellinek, I. Eü. szabadságról és az intézeti kezelésről. Honvédorvos, 1950, 2: 404–6.—**Sick** leave. Bull. Army M. Dir., Lond., 1941, No. 2, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 32.

—— Sick on leave.

Medical attendance on airmen and airwomen on leave. Brit. M. J., 1941, 1: suppl., 57.—**Medical** attention for soldiers on leave. N. Zealand M. J., 1940, 39: 151.—**Sick** on leave. Bull. Army M. Dep., Lond., 1943, No. 25, 3.—**Treatment** of military personnel on leave or furlough. Army M. Bull., 1943, No. 65, 175–7.

LEECH repellent.

Wilson, C. S. Repellents for leeches. 3 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-217, U. S. Nav. M. Res. Inst.

Also Bumed News Lett., Wash., 1944, 3: No. 13, 3.

LEG.

See also **Extremity, lower**; **Surgical technic** subheadings.

Elbel, E. R. Leg strength and leg endurance in relation to height, weight, and other body measurements. 35p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 318, U. S. Air Force School Aviat. M.

Cozen, L. N. Herniation of muscles of the lower leg. Bull. U. S. Army M. Dep., 1944, No. 77, 111.—**Fuller, R., & Woolf, D. L.** Short leg in soldiers. Brit. M. J., 1948, 2: 109.—**Goldberg, H. C., & Comstock, G. W.** Herniation of muscles of the legs. War Med., Chic., 1944, 5: 365–7.—**Westhues, H.** Unterschenkel. In his Fortsch. Lager. Schwerverw., Berl., 1943, 81–3, illust.

—— artificial.

See also **Limb; Prosthesis.**

Adel Precision Products Corporation. Subcontractor's final report on the development of a hydraulically operated artificial leg for above knee amputations; covering the period from July 15, 1946 through June 30, 1947. 57 l. 28cm. Burbank, 1947.

Forms Subcontract 1 (2 Tier 3) [pt 1] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Bradley, C. C., and Son, & Catranis. Subcontractor's final report on artificial limb development for above-knee amputees including mechanical and hydraulic knee locks; suction socket and suction socket controls; knee lock controls operated by hip motion, stump muscles and foot position; toe pick up and foot providing lateral, plantar and dorsal flexion; covering the period from March 1946 through June 1947. 3v. 28cm. Syracuse, 1947.

Forms Subcontract 15 [pt 3] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Henschke, U. K., & Mauch, H. A. New principles in lower extremity prostheses; a preliminary report. 10 l. 27cm. Heidelb., 1946.

Forms No. 01–46–14, Transl. U. S. Air Force Aero M. Cent., Heidelb.

National Research and Manufacturing Company. Subcontractor's final report on an investigation of low pressure laminates for prosthetic devices; design and fabrication of above-knee and below-knee artificial legs; preparation of a production survey for manufacture of artificial plastic legs; covering the period from February 1946 through April 1947. 156 l. 28cm. S. Diego, 1947.

Forms Subcontract 14 [pt 8] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Salem Leg Company. Circular No. 5: The Salem leg, under the patronage of the United States Government for the use of the Army and Navy. 16p. 18cm. Salem, 1864.

United States Plywood Corporation. Subcontractor's final report on an evaluation of plastic laminates for artificial legs; covering the period from September 1945 through May 1947. 1 v. in 2. v. l. [175] l. [112] l. 28cm. N. Rochelle, 1947.

Forms Subcontract 4 [pt 14] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Henschke, U. K., & Mauch, H. A. The improvement of leg prostheses. Mil. Surgeon, 1948, 103: 135–46.—**Legs.** Res. Program U. S. Army M. Res. Bd, 1946, Oct., 164.—**Vischer, F.** Bau der Beinprothesen im letzten und im jetzigen Krieg. Med. Klin., Berl., 1942, 38: 767.

—— Injury.

See also **Fracture**—by site (subdivisions Leg; Patella; Tibia)

Sutro, C. J. Fracture of the inner malleolus of the ankle with emphasis on treatment of non-union. Mil. Surgeon, 1949, 105: 220–5.

—— Ulcer.

McLaughlin, C. W., jr, & Holland, J. L. Salt water ulcers of the extremities; occurrence in Japanese survivors. U. S. Nav. M. Bull., 1945, 44: 494–7.—**Moritz, W.** Die Behandlung der kriegsbedingten Unterschenkelgeschwüre. Münch. med. Wschr., 1944, 91: 210.—**Strotzka, H.** Unterschenkelgeschwür, Hautdiphtherie und Polyneuritis. Aerztl. Feldpost., 1945, 1–4.

LEG cast.

See under **Fracture**—by site: Leg.

LEG exerciser.

See also **Exerciser.**

Leg exerciser for bed patients. Bull. U. S. Army M. Dep., 1945, 4: 148.

LEISHMANIASIS.

Most, H., & Lavietes, P. H. Kala azar in American military personnel; report of 30 cases. p. 221–84. 25½cm. Balt., 1947.

Medicine, Balt., 1947, 26:

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Leishmaniasis. 8p. 27cm. Orlando, 1944.

Forms Pt 14, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F., U. S.

United States. War Department. Technical bulletin TB MED 183: Visceral leishmaniasis—kala-azar. 12p. 26cm. Wash., 1945.

United States. Department of the Army. Technical bulletin MED 183: Visceral leishmaniasis, kala-azar. Change 1. 3p. 26cm. Wash., 1947.

Anderson. Chemotherapy of amebiasis and leishmaniasis. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 52–6.—**Armstrong, T. G.** Asymptomatic kala-azar in soldiers from over-seas. Brit. M. J., 1945, 2: 918.—**Ball, D., & Ryan, R. C.** Cutaneous leishmaniasis. Bull. U. S. Army M. Dep., 1944, No. 79, 65–73.—**Blackham, R. J.** Rare diseases of returning service men; leishmaniasis. Nurs. Mirror, Lond., 1945–46, 82: 357.—**Burchenal, J. H., & Woods, R. P.** Report of 3 cases of visceral leishmaniasis in members of the Armed Forces of the United States. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 22, 2–10. Also War Med., Chic., 1945, 7: 173–7.—**Cangelosi, G.** Contributo allo studio della leishmaniosi cutanea. Gior. med. mil., 1948, 95: 127–9.—**Dobrotvorskaia, N. V.** [Treatment of cutaneous leishmaniasis with streptocide] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 572–6.—**Graham, J. G., & Naftalin, J. M.** A case of Mediterranean kala-azar in a British soldier. Glasgow M. J., 1945, 144: 1–7.—**Hargreaves, W. H.** Recent experiences in the treatment of kala-azar. Mil. Surgeon, 1947, 100: 212–4.—**Hirayama, Y.** Leishmania donovani no baiyō siken ni tuite [Experiments with culture of Leishmania donovani] Gun idan zassi, 1940, 475–82.—**Kala-azar** from the Mediterranean; a reminder. Bull. Army M. Dep., Lond., 1944, No. 34, 1.—**Kaplan, M. H., & Densmore, R. C.** Kala-azar; a case report. Med. Bull. Medit. Theater U. S., 1945, 3: 213–7.—**Kasuga, K., & Tamura, I.** Leishmania donovani no ryōkō-naru baiyō-hō narabi-ni men-ekigaku-zyō ni okeru ni-san no zikken ni tuite [Successful methods of cultivating Leishmania donovani, and a few immunological experiments] Gun idan zassi, 1925, 295–

308, 2 pl.—**Keall, D. D.** Kala azar. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 33–5.—**Khodukin, N. I.** [Carriers of visceral leishmaniasis] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 512–7.—**Klitzner, H.** Ueber die therapeutische Becinflussbarkeit der Hautleishmaniosen durch Sulfonamide. Deut. Militärarzt, 1943, **8:** 472–4.—**Latyshev, N.** Leishmaniozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 408–18.—**Mackay-Dick, J.** Comments on kala-azar with a report on three cases. J. R. Army M. Corps, 1945, **85:** 68–74.—**Messini, M.** Azione dell'italchina in un caso di leishmaniosi cutanea osservato in Provincia di Roma. Gior. med. mil., 1941, **89:** 161–4.—**Packchanian, A.** Leishmaniasis; the cultivation of Leishmania tropica from two American soldiers who had returned to the United States from the Near East. J. Am. M. Ass., 1945, **129:** 544–7. ——— The culture of Leishmania tropica from two soldiers returned to the United States from Persia. Trop. M. News, N. Orl., 1945, **2:** No. 4, 11.—**Philpott, M. G.** A case of infantile kala-azar. J. R. Army M. Corps, 1948, **91:** 294.—**Rose, G.** Leishmaniosen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 148–50.—**Rosenheim, M. L.** The diagnosis and treatment of kala azar. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 30–2.—**Sheremetiev, N. G.** [Treatment of cutaneous leishmaniasis with antimony] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 577–9.—**Suenaga, Y.** Kita Sina ni okeru kala-azar no rinsyō-teki kansatu [Clinical observations on kala-azar in North China] Gun idan zassi, 1943, 1093–100.—**Visceral** leishmaniasis, kala-azar. Bull. U. S. Army M. Dep., 1945, **4:** 296–8.—**Waud, S. P., & Musgrave, D.** Visceral leishmaniasis. Mil. Surgeon, 1946, **99:** 11–4.

LENINGRAD.

See under **Dysentery**, Diagnosis; also **World War II.**

LENS, France.

See under **World War I.**

LENS (of eye)

See also **Eye; Eye injury.**

Daily, R. K., & Daily, L., jr. The lens. p. 498–549. 25cm. Chic., 1946.

In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1:**

——— The lens [2. ser.] p. 392–447. 25cm. Chic., 1948.

Cappucci, M. Concomitanza di ectopia reale e apparente del cristallino. Gior. med. mil., 1949, **96:** 211.—**Velhagen.** Fitness of individuals who have lost one crystalline lens. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 67.

LENS (optical)

See also **Contact lens; Eyeglass.**

Urban, A. W., & Draeger, R. H. Evaluation of the Temp-R-Lens process for reducing breakage of ophthalmic lenses. 11p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–287, U. S. Nav. M. Res. Inst.

LEPROSY.

New York, N. Y. Leonard Wood Memorial for the Eradication of Leprosy (American Leprosy Foundation) & United States. Army Epidemiological Board. Commission on Tropical Diseases. World wide distribution and prevalence of leprosy. 71p. 25cm. Clevel., 1944.

Forms Suppl. to v.**12,** Internat. J. Leprosy.

United States. Veterans Administration. Technical bulletin TB 10A–17: Transfer of patients suspected of being afflicted with leprosy from VA hospitals to National Leprosarium, Carville, La. [1]p. 27cm. Wash., 1947.

United States. War Department. Leprosy. 3p. 27cm. Wash., 1945.

Forms TB MED 205 U. S. War Dep.

Aycock, W. L., & Gordon, J. E. Leprosy in veterans of American wars. Am. J. M. Sc., 1947, **214:** 329–39.—**Baluev, N.** Prokaza (lepra) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 871–6.—**Faget, G. H.** Leprosy in military service. Internat. J. Leprosy, Clevel., 1944, **12:** 65, tab.—**Hatch, V. R.** The use of physical and occupational therapy in peripheral nerve lesions of leprosy. Mil. Surgeon, 1950, **106:** 197–203.—**Heimburger, L. R. F.** Leprosy, a post-war problem. Me - Times, N. Y., 1946, **74:** 184–90.—**Ibarra Pérez, R., & Gonzále. Prendes, M. A.** La lepra en la post guerra. Rev. sif. lepr derm., Marianao, 1945, **2:** 18–25.—**Kikuth, W.** Leprosy CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 90–2.—**Korb, M.** Sympathetic paralysis in peripheral nerve leprosy. Bull. U. S. Army M. Dep., 1946, **5:** 482–5.—**Leprosy.** Ibid., **6:** 623.—**Lowe, J.** Leprosy. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 34.—**McClenahan, W. U.** The military aspects of leprosy. Med. Clin. N. America, 1944, **28:** 1484–9.—**Nozima, Y.** Rai to guntai [Leprosy and military forces] Okayama igakkai zassi, 1939, **51:** 1425.—**Quérangal des Essarts, J., & Duquaire.** Dépistage des cas de lèpre dans un camp de soldats sénégalais. Ann. derm. syph., Par., 1942, **2:** 29–35.—**Saunders, G. M.** Our leprosy problem. U. S. Nav. M. Bull., 1945, **44:** 54–64.—**Vickers, H. R.** A case of leprosy. J. R. Nav. M. Serv., 1941, **27:** 87–90.—**Wayne, G. J.** Leprosy; a threat to the American soldier. Air Surgeon Bull., 1945, **2:** 383.—**Weissman, H.** Elimination of tuberculosis in the diagnosis of leprosy. Med. Bull. Veterans Admin., 1944–45, **21:** 104.—**Ymaz de la Garza, E.** Conceptos sobre lepra. Bol. san. mil., Méx., 1949, **2:** 466–71.—**Zschucke, J.** Lepra. In: Wehrhygiene (Handloser, S.) Berl., 1944, 105–7.

LEPTOSPIRASIS.

Alergant, C. D. Leptospirosis icterohaemorrhagica; an unusual case. J. R. Army M. Corps, 1945, **84:** 191–4.—**Baer, L. S., & Allen, R. F.** Normal blood elements and Leptospira. U. S. Nav. M. Bull., 1944, **43:** 127.—**Blanchard.** La spirochètose icterigène et le diagnostic de la fièvre jaune chez les indigènes Africains. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 78.—**Bounds, L. H., & Kingery, R. M.** Weil's disease; report of eleven cases. U. S. Nav. M. Bull., 1946, **46:** 1808–12.—**Doerner, A. A., & Hernandez, T.** Canicola fever; a case report. Mil. Surgeon, 1948, **103:** 368–71.—**Germain, A., André, L., & Brugère.** Spirochétose ictéro-hémorragique contractée dans la région toulonnaise. Rev. méd. nav., Par., 1947, **2:** 343–50.—**Geyer, A.** Un cas de leptospirose ictéro-hémorragique traité par la pénicilline; guérison. Ibid., 69–73.—**Gordon, J. E.** Leptospirosis icterohaemorrhagica (Weil's disease) In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 6, 6.—**Hutchison, J. H., Pippard, J. S.** [et al.] Outbreak of Weil's disease in the British Army in Italy. Brit. M. J., 1946, **1:** 81–3.—**Laboratory** arrangements for diagnosis of Weil's disease. Bull. Army M. Dep., Lond., 1944, No. 35, 4.—**Rose, G.** Leptospiren-Infektionen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 58–61.—**Sinclair, A. D., & Clegg, H. W.** Weil's disease in H. M. ships. J. R. Nav. M. Serv., 1943, **29:** 133–5.—**Stiles, W. W.** The recognition of leptospiral infections. Bull. U. S. Army M. Dep., 1945, **4:** 214–9.—**Treatment** of Weil's disease. Bull. Army M. Dir., Lond., 1942, No. 11, 1. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 44.—**Viskovsky, S.** Leptospirozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 461–72.—**Wakeman, D. C.** Leptospirosis (Weil's disease) Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 29, 5–7.—**Weil's** disease; icterohemorrhagic fever. Med. Bull. U. S. First Army, 1948, **3:** No. 3, 5–7.

——— in animals.

Jones, T. C. The significance of canine leptospirosis in military preventive medicine. Mil. Surgeon, 1950, **106:** 183–6.—**Leptospirosis** in animals. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 169.—**Wilkins, J. H.** Leptospirosis in war dogs in the United Kingdom. J. R. Army Vet. Corps, 1950, **21:** 24–7.

LEUKEMIA.

See also **Monocytic leukemia.**

Alberico, F. Los estados leucemioides. Med. & cir. guerra, 1946, **8:** No. 18, 39–49.—**Canaga, B. L.,** jr, **Wood, D. A.** [et al.] Leukemia in naval personnel. U. S. Nav. M. Bull., 1946, **46:** 1–13, pl.—**Farías Rodríguez, J. M.** La quimioterapia en el tratamiento de las leucemias. San. mil., Méx., 1948, **1:** 25; passim.—**Gabroy, H. K., & Weaver, J. H.** Leukemia aboard a destroyer. U. S. Nav. M. Bull., 1946, **46:** 1741–3.—**Gillespie, F. S., & Walker, J. H. C.** A case of myeloblastic leukaemia. J. R. Army M. Corps, 1935, **64:** 47–9.—**Gunn, W. D.** A case of acute myeloid leukaemia. J. R. Nav. M. Serv., 1938, **24:** 239.—**Gutzeit & Lauche.** Forensic medical questions [Lymphogranulomatosis and acute leukemia to be considered as infectious diseases] Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 237.—**Harries, C. V.** A case of chronic myelogenous leukaemia. J. R. Nav. M. Serv., 1949, **35:** 110.—**Kawasima, K.** Hyōzai-sei rinpa-sen no syutyō wo kaki, hakketubyō-sei sinzyun ni yoru kōdo no ryōsoku zin syudai wo tei-suru ka-sei rinpa-sei hakketubyō no iti rei [A case of pseudoleukemia lymphatica ...] Gun idan zassi, 1925, 837–73, 2 pl.—**Kendall, A. W., & Wade, H. J.** Aleukaemic lymphatic leukaemia; report of an unusual case. J. R. Nav. M. Serv., 1943, **29:** 131–3.—**Michael, P., & Richardson, J. L.** Acute lymphatic leukemia in childhood. U. S. Nav. M. Bull., 1949, **49:** 907–13, illust.—**Molinier, Lamotte & Sikoraw.** Anémie grave à évolution prolongée avec poussée leucémoïde transitoire, et leucémie lymphoïde subaiguë à forme pseudo-palustre. Bull. Soc. méd. mil. fr., 1946, **40:** 33–7.—**Neal, J. M.**

Rupture of spleen in myeologenous leukemia. Med. Bull. Veterans Admin., 1940–41, **17**: 96.—**Tutomi, T.** A case of post mortem examination of monocyte-like promyelocytic leukemia. Bull. Nav. M. Ass., Tokyo, 1936, **25**: 76–8.

LEUKOCYTE.

See also **Hematology.**

Farr, R. S., Lequire, V. S. [et al.] The effect of subcutaneous and intravenous injections of adrenal cortical extract on the peripheral leukocyte population and body temperature of rabbits. 10p. 26½cm. Bethesda, 1948.
Forms Rep. No. 13, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Farr, R. S., Schork, P. K., & Gayhart, C. H. The spontaneous leukocyte and temperature variation in untreated rabbits studied under controlled conditions. 9p. 26½cm. Bethesda, 1948.
Forms Rep. No. 12, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Fernández González, P. Neutropenia secundaria tóxica. Med. & cir. guerra, 1948, **10**: 269–73.—**Spontaneous** (The) leukocyte and temperature variation in untreated rabbits studied under controlled conditions. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 12.—**Yetwin, I. J.** A new diluent for the enumeration of leukocytes. Mil. Surgeon, 1949, **104**: 286–96.

LEVANT.

See **World War II.**

LEVERKUSEN.

See under **Drug industry.**

LEWISITE.

See **Chlorovinyldichlorarsine; Gas poisoning,** Pathology: Eye; **Gas warfare,** Defense: Food.

LEYTE.

See **World War II.**

LIBERIA.

See **World War II.**

LIBRARY.

See also **Hospital service,** recreational.

Collins, R. A. The Acropolis of America, the Library of Congress. 24p. 25cm. Wash., 1940.
Mayer, C. F. Research and medical history. Bull. Hist. M., 1946, **20**: 173–83.

—— Air Force.

Brice, C. A. The Aero Medical Library. Libr. J., N. Y., 1945, **70**: 1059.—**Kraus, J. W.** The Wright Field libraries at Dayton, Ohio. Ibid., 1057–9.

—— Armed Forces Medical Library (1952–)

See subheading (Army Medical Library)

—— Army.

Army Library. West Virginia M. J., 1941, **37**: 348.—**Bowers, W. F.** The book and journal program for medical installations. Bull. U. S. Army M. Dep., 1949, **9**: 286–8.—**Licht, S.** An Army general hospital medical library. Bull. M. Libr. Ass., 1944, **32**: 456–66.—**Postell, P. E.** The future of the Army Library Service. Libr. J., N. Y., 1946, **71**: 1676–8.

—— Army Medical Library (–1952)

Army (The) Medical Library. Science, 1936, **84**: 323. Also West Virginia M. J., 1941, **37**: 517. Also Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense, 1949, Sect. N, 8 p.—**Army** Medical Library suffers. Army Navy Reg., 1936, **99**: 1.—**Ashburn, P. M.** Army Medical Library. Spec. Libr., Provid., 1928, **19**: 311–14. Also Med. Mentor, 1931, **2**: 75–7.—**De V., J. A.** The Army Medical Library. Brooklyn Hosp. J., 1941, **3**: 4.—**Hume, E. E.** The Army Medical Library. Circle, Menasha, 1933, **13**: 30.—**J., H. W.** Army Medical Library. Bull. M. Libr. Ass., 1941–42, **30**: 182.—**Robertson.** Army Medical Library and Museum. Tr. Iowa M. Soc. (1883–85) 1885, **6**: 452–6.—**Snaps** from the Surgeon-General's Library. Lancet, Lond., 1940, **2**: 667.—**Wakeman, F. B.** Army Medical Library. Encycl. Amer., 1946, **18**: 561–2.

—— Army Medical Library: Administration.

A[rmy] M[edical] L[ibrary] bulletin. Wash., No. 1, 1949–

Army Medical Library news. Wash., v.**1**, No. 1, 1945–
Supersedes **Army Medical Library news letter,** v.**1**, No. 1–3, 1945.

Army Medical Library news letter. August, 1945– Wash., v.**1**, No. 1–3, 1945.

United States. Army Medical Library. Record book of correspondence sent by J. S. Billings, August 20, 1887–August 27, 1888. 498p. MS. Fol. Wash., 1888.

—— Annual report. Wash., 1944–

—— Abridgements of annual reports. Wash. (1946/47) 1947–

—— Classification; medicine; preclinical sciences, QS–QZ; medicine and related subjects, W. Prelim. ed., 1948. 479p. 26cm. Wash., 1949.

—— Staff Association. Bulletin. Wash., Oct. 1945–Feb. 1946; v.**1**, 1946–

United States. War Department. Army regulations No. 40–405; Medical Department: The Army Medical Library. 3p. 8° Wash., 1929.

Army Medical Library aids Veterans' Administration. Med. Times, N. Y., 1946, **74**: 315.—**Army** Medical Library classification; medicine: Preclinical sciences Qs–Qz; medicine and related subjects W. J. Am. M. Ass., 1949, **141**: 297.—**Army** Medical Library and Museum Building. Army M. Bull., 1941, No. 58, 159.—**Army** Medical Library plans new building on Capitol Hill. N. York Med., 1946, **2**: No. 7, 24.—**Classification** schedule and subject authority list. Spec. Libr., Newark, 1947, **38**: 92.—**Congress** appropriates for new Army Medical Library and Museum. Detroit Dent. Bull., 1941, **9**: No. 12, 25. Also J. Am. M. Ass., 1941, **117**: 1100.—**Erection** of new Army Medical Library building planned. Med. Rec., N. Y., 1946, **159**: 169.—**Flsch, M. H.** The Cleveland restoration. Bull. M. Libr. Ass., 1946, **34**: 224.—**Gardner, L. L.** A forward glance. Ibid., 226–8.—**Historical** Division to Library. Mil. Surgeon, 1947, **100**: 357.—**Jones, H. W.** Some thoughts on the future of the Army Medical Library. Bull. M. Libr. Ass., 1938–39, **27**: 32–4. ——— The new Army Medical Library and Museum building; some further steps toward this goal. Army M. Bull., 1941, **56**: 87–9. ——— A new Army Medical Library building. Libr. J., N. Y., 1944, **69**: 1073–5. ——— The program of reorganization of the Army Medical Library. Bull. M. Libr. Ass., 1945, **33**: 150–9.—**Jones, M. I.** The Army Medical Library classification. Ibid., 1948, **36**: 190–2.—**Library** news letter. Bull. U. S. Army M. Dep., 1945, **4**: 414.—**MacDonald, M. R.** Army Medical Library cataloging. Bull. M. Libr. Ass., 1946, **34**: 215.—**McNinch, J. H.** The Army Medical Library. Med. Ann. District of Columbia, 1948, **17**: 161.—**Program** to improve the Army Medical Library. Bull. U. S. Army M. Dep., 1944, No. 83, 19.—**S., G.** The Edgar Bequest. Army M. Bull., 1936, No. 34, 89.—**Wright, W. E.** Reorganization of the Army Medical Library. Bull. M. Libr. Ass., 1946, **34**: 221–3.

—— Army Medical Library: Collections.

Garrison, F. H. Process in the cataloguing of medical incunabula; with a revised check-list of the incunabula in the Army Medical Library, Washington. p.365–435. 8° N. Y., 1930.
Bull. N. York Acad. M., **2.** scr., 1930, **6**:

—— & Mayer, C. F. Collection of incunabula and early medical prints in the Library of the Surgeon-General's Office, U. S. Army. p.1415–36. 4° Wash., 1932.
In: Index-Catalogue, 3. ser., **10**:

Mayer, C. F. From drawings to photography in color; an exhibition on the history of the art of medical book illustration from the 12th to the 20th century arranged at the centennial celebration of the Army Medical Library, Nov. 16, 1936. p.(31)–44. 8° Wash., 1937.

—— Congresses; tentative chronological and bibliographical reference list of national and international meetings of physicians, scientists, and experts. 288p. 29cm. Wash., 1938.
Forms Suppl. 2, scr. 4, Index-Catalogue.

—— Biobibliography of XVI. century medical authors. Fasc. 1: Abarbanel-Alberti, S. xi, 52p. 29cm. Wash., 1941.

Forms Suppl. 3, ser. 4, Index-Catalogue.

Army (From) Medical Library; reprints of articles by S. Adolphus Knopf. Bull. Los Angeles Co. M. Ass., 1940, **70**: 903.—**Army** Medical Library acquires celebrated Chinese publication. Connecticut M. J., 1947, **11**: 378.—**Army** Medical Library seeking collection of photographs of prominent men in American medicine. Ann. Int. M., 1945, **23**: 454.—**Army** Medical Library wishes reprints. Diplomate, 1940, **12**: 282.—**Ashburn, P. M.** Historical and current treatises on medicine are preserved by Army Medical Library. U. S. Daily, Wash., 1928, **2**: No. 265, 11.—**Cambell, H. H.** The picture collection in the Army Medical Library. Bull. M. Libr. Ass., 1949, **37**: 52–8.—**Fisch, M. H.** Rare book collection of Army Medical Library. Bull. Acad. M. Cleveland, 1944, **29**: No. 11, 9.—**Hume, E. E.** The Army Medical Library of Washington and its collection of early Kentuckiana. Kentucky M. J., 1940, **38**: 258–67.—**Mayer, C. F.** Lists of books and periodicals printed before 1840, selected from the possession of the Army Medical Library, and referring to Central- and South-American medicine. Proc. Interamer. Bibliogr. & Libr. Ass., 1941, 3. Conv., 78–82. ——— The collection of Arabic medical literature in the Army Medical Library, with a checklist of Arabic manuscripts. Bull. Hist. M., 1942, **11**: 201–16.

—— Army Medical Library: History.

[Army Medical Library] The one hundredth anniversary of the Army Medical Library, Washington, D. C., 1936. p.1–52; 533–604. 8° Wash., 1936–37.

Reprint from Military Surgeon, 1937, v. 80 and Medical Life, 1936, v. 43.

Berlin, Germany. Friedrich-Wilhelms Universität. Institut für Geschichte der Medizin und der Naturwissenschaften. Der Army Medical Library, Washington; Glückwünsche zu ihrem 100. Geburtstage. l. MS. fol. Berl., 1936.

[New York Academy of Medicine] Greetings from the New York Academy of Medicine to the Army Medical Library on the centenary of its founding, 1936. 6 l. MS. fol. N. Y., 1936.

Army (The) Medical Library. J. Am. M. Ass., 1936, **106**: 1736.—**Army** Medical Library celebrates its centennial. Science News Lett., 1936, **30**: 347.—**Army** Medical Library and Museum [Photograph in 1862] See Collection of photographs in Library. ——— [Photographs of Officers, 1936: Major General, Chas. R. Reynolds; Sec. of War, Geo. H. Dern; Major Edgar Erskine Hume, Major Raymond O. Dart; Major Harry A. Bishop] Ibidem. ——— [Photograph taken when Gen. Gorgas Portrait unveiled] Ibidem. ——— [Photograph of Staff, 1910] Ibidem. ——— [Plan of second story of Med. Museum-Library Building, Nov. 1885] Ibidem. ——— [Plans of 1917] Ibidem.—**Ashburn, P. M.** A greenhorn's experience in the library. Med. Life, 1936, **43**: 573–9.—**Centenary** (The) celebration of the foundation of the Army Medical Library, November, 1936, Washington, D. C. Rep. Nat. Res. Counc. Japan, 1938, **2**: No. 6, 464.—**Educación** (La) médica, en Washington por la selva clara de los libros. Reforma méd., Lima, 1936, **22**: 711; 721.—**Hume, E. E.** The drama of a great medical library. Am. J. Psychiat., 1935, **92**: 259–70. ——— The celebration of the centenary of the Army Medical Library. Army M. Bull., 1936, No. 37, 1–28, portr., facs. ——— The Army Medical Library of Washington, the largest medical library that has ever existed. Isis, Bruges, 1936, **26**: pt 2, 423–47, 2 portr. ——— The world's largest medical library: the Army Medical Library of Washington. Johns Hopkins Alum. Mag., 1936, 24; No. 2, 107–35. ——— The centennial of the Army Medical Library coincident with the beginning of the fourth series of the Index Catalogue. Med. Ann. District of Columbia, 1936, **5**: 159–64. ——— The centennial of the world's largest medical library; the Army Medical Library of Washington, founded 1836. Mil. Surgeon, 1936, **78**: 241–67. Also Sess. Off. internat. doeum. méd. mil., 1936, 6. Sess., 257–68. Also Spanish transl., Bol. Of. san. panamer., 1936, **15**: 624–34. Also French transl., Off. internat. docum. méd. mil., 1936, 6. sess., 257–68. Also Voen. san. delo, 1936, No. 10, 44. Also Bull. internat. Serv. santé, Liège, 1937, **10**: 721–30. ——— The Army Medical Library completes its first hundred years. Ann. M. Hist., 1937, **9**: 282–4. ——— The Army Medical Library; its resources and how they may be utilized. Med. Bull. Veterans Admin., 1937, **13**: 201–4. ——— Buildings for the Army Medical Library. Mil. Surgeon, 1937, **80**: 45–53. ——— The history and work of the Army Medical Library of Washington. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **2**: 255–60. Also Science, 1937, **85**: 207–10. ——— The largest collection of medical literature ever assembled; the story of the Army Medical Library; with notes of Virginians who have directed it. Virginia M. Month., 1940, **67**: 261–72, illust. ——— & **Mayer, C. F.** [Centennial celebration of the world's largest medical library, the Army Medical Library, in Washington] Gyógyászat, 1936, **76**: 770–3.—**Jones, H. W.** The centenary of the Army Medical Library. Med. Life, 1936, **43**: 533–43. Also Mil. Surgeon, 1937, **80**: 1–4. ——— The greetings from beyond the seas. Med. Life, 1936, **43**: 563–73. Also Mil. Surgeon, 1937, **80**: 21–31. ——— The Army Medical Library; its history and its future obligations. J. Am. M. Ass., 1943, **122**: 1074–9.—**McCulloch, C. C.**, jr. Museum and Library Division; Library of the Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 1: 516–9.—**Medical** bills in Congress. J. Am. M. Ass., 1940, **114**: 2479.—**Rolleston, H.** Centennial of the Army Medical Library, Washington. Brit. M. J., 1936, **2**: 1094–8. ——— The oration commemorating the one hundredth anniversary of the founding of the Army Medical Library, Washington. Med. Life, 1936, **43**: 543–63. Also Med. Rec., N. Y., 1937, **145**: 45; 104. Also Mil. Surgeon, 1937, **80**: 5–20. Also N. Orleans M. & S. J., 1936–37, **89**: 333–9.—**S., G.** Army Medical Library centenary celebration. Army M. Bull., 1937, No. 38, 70–96.—**Smith, L. A.** The Centennial of the Army Medical Library. Bull. M. Libr. Ass. 1936–37, **25**: 189–92.

—— Army Medical Library: Medical and military research value.

Army Medical Library microfilm service. Philadelphia M., 1946–47, **42**: 1102. Also Current M. Digest, 1947, **13**: Apr. 107.—**Commendation** for Army Medical Library Translation Service; Current List of Medical Literature. Philadelphia M., 1945–46, **41**: 157.—**Hume, E. E.** How to use the Army Medical Library. Army M. Bull., 1935, No. 31, 59–64.—**Japanese** activities in medical science. Med. Rec., N. Y., 1946, **159**: 486.—**Jones, H. W.** Army Medical Library service for members of the Medical Department. Army M. Bull., 1942, No. 63, 168–70. ——— Microfilm service. Canad. M. Ass. J., 1942, **46**: 391. ——— The extension of the loan service of the Army Medical Library to include photoduplication for Army hospitals. Mil. Surgeon, 1942, **90**: 328.—**Mayer, C. F.** Bibliofilm service. Bull. M. Libr. Ass., 1937–38, **26**: 153. ——— The Current List of Medical Literature, an explanation. Science, 1942, **95**: 43–5.—**Medicofilm** service and the Current List of Medical Literature. Am. J. M. Techn., 1942, **8**: 98–101.—**Microfilm** and medical literature. Lancet, Lond., 1945, **2**: 856.—**Microfilm** service. Bull. Vancouver M. Ass., 1942, **18**: 170.—**Microfilm** service of Army Medical Library. J. Am. M. Ass., 1940, **115**: 1291.—**O'Brien, M. B.** Storehouse of medical learning [Army Medical Library] Med. Econom., 1942–43, **20**: No. 7, 48; passim.—**Service** (Le) des microfilms de l'Army Medical Library. Strasbourg méd., 1946, **106**: 148.

—— Army Medical Library: Publications.

See also subheading (Index-Catalogue)

United States. Army Medical Library. Periodicals currently received in the Army Medical Library. 10 Nos. in 2 v. 27cm. Wash., 1926–40.

Title varies: 1926–30, Classification of periodicals; 1931, 1936–37, List of periodicals currently received, arranged by subject.

—— Recent book acquisitions. v.**1–3**. 3v. in 1. 27cm. Wash., 1938–40.

—— A selected list of publications recently added to the Army Medical Library, January 15, 1943. No. 1. 2 l. 27cm. Wash., 1943.

Bound with its Recent Bk Acquisit., Wash., 1938–40, v.**1**:–**3**:

—— New books; selected list of titles published during the last two years. Wash., No. 1, 1947–

Issues of No. 1–35, 1947–48 have title: Selected list of recent acquisitions.

—— Catalog cards. Wash., Apr.-Dec., 1948–

Forms supplement to the Cumulative catalog of Library of Congress printed cards, 1948–

Brown, M. M. Current List of Medical Literature. Clin. Osteopath., 1941, **37**: 505.

—— Army Medical Library: Public relations.

United States. Army Medical Library. Honorary Consultants. General meeting; proceedings [v. p.] l. (1944) 1945–

Also Bull. M. Libr. Ass., 1945, **33**: No. 2.

Adams, S. The Army Medical Library and other medical libraries of the nation. Coll. & Res. Libr., Chic., 1948, **9**: 126–32.—**American** Library Association survey of Army Medical Library. Annual Rep. Rockefeller Found., 1943, 123–5.—**Army** (The) Medical Library. Arch. Phys. M., 1946, **27**: 227–9. Also J. Am. M. Ass., 1946, **130**: 1018. Also J. M. Ass. Georgia, 1946, **35**: 121–3. Also Bull. U. S. Army M. Dep., 1947, **7**: 21; 1948, **8**: 843. Also Cas. lék. česk., 1948, **87**:

548.—**Army** (The) Medical Library, la Biblioteca médica del ejército. Rev. cubana cardiol., 1946, **7**: 205–7. Also Quím. & farm., Méx., 1947, **13**: 23–5.—**Army** Medical Library meeting. J. Am. M. Ass., 1944, **126**: 312.—**Association** of Honorary Consultants to the Army Medical Library. Bull. M. Libr. Ass., 1945, **33**: 141–3.—**Condensed** transactions of fourth annual meeting, Association of the Honorary Consultants to the Army Medical Library, October 10–11, 1947. Ibid., 1948, **36**: 153–75.—**Dittrick, H.** A new Army Medical Library. Current Res. Anesth., 1946, **25**: 264.—**Exhibit** (An) of books, prints, and manuscripts on the development of anesthesia, to commemorate with the Army Medical Library the 100th anniversary of the first public demonstration of ether anesthesia, opened in the Library of Congress on 16 October 1946. Science, 1946, **104**: 441.—**First** general meeting of the honorary consultants of the Army Medical Library. Bull. M. Libr. Ass., 1945, **33**: 101.—**Fulton, J. F.** Memorandum concerning classification and cataloguing of the Army Medical Library. Rep. Histor. Libr. Yale Univ. School M. (1941–44) 1944, 76–9.—**Honorary** consultants of the Army Medical Library. J. Am. M. Ass., 1944, **126**: 442.—**Honorary** Consultants and Guests, October 5, 1944. For group portrait see Collection in Library. Bull. M. Libr. Ass., 1945, **33**: 162.—**Hood, R.** The Army Medical Library. Science, 1947, **105**: 422–6.—**Indexes** to medical literature. Bull. U. S. Army M. Dep., 1949, **9**: 251–3.—**Indexing** Japanese journals. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 2, 9.—**Jones, H. W.** The rôle of our national medical library in the coming era. Bull. M. Libr. Ass., 1944, **32**: 411. ——— The Army Medical Library: in retrospect and future. Ibid., 1946, **34**: 3–11.—**Larkey, S. V.** The Army Medical Library research project at the Welch Medical Library. Ibid., 1949, **37**: 121–4.—**Meeting** of Honorary Consultants of Library. Mil. Surgeon, 1944, **95**: 429.—**National** (A) medical library. Ibid., 1941, **88**: 310.—**Needs** of Army Medical Library still pressing. J. Am. M. Ass., 1941, **117**: 1268.—**New** Army Medical Library and Museum. Arch. Phys. Ther., 1941, **22**: 623. Also N. York J. Dent., 1941, **11**: 439.—**New** building for Army Medical Library. California West. M., 1941, **55**: 218.—**New** (A) building for the Army Medical Library and Museum in Washington, D. C. Mil. Surgeon, 1938, **82**: 547–52.—**New** librarian for the Army Medical Library; Current List of Medical Literature. Connecticut M. J., 1945, **9**: 795.—**New** (The) medical classification for the Library of Congress and the Army Medical Library; a progress report. Coll. & Res. Libr., Chic., 1946, **7**: 288.—**Norris, H. H.** Serving the professional public. Bull. M. Libr. Ass., 1946, **34**: 219.—**Nouvelle** (La) bibliothèque de l'Armée américaine. Bruxelles méd., 1948, **28**: 1080.—**Parnell, E.** The Army Medical Library. Texas J. M., 1946–47, **42**: 571.—**Proposed** new building for the Army Medical Library and Museum. J. Am. M. Ass., 1938, **110**: 1674. Also J. Indiana M. Ass., 1938, **31**: 307.—**Report** to the Friends of the Army Medical Library. Current List M. Liter., 1941, **1**: No. 27, 2.—**Resolutions** asking Congress to support work of the Surgeon-General's Library. N. England J. M., 1936, **215**: 878.—**Reynolds, C. B.** Surgeon General's Library records century of advances in medicine. Wash. Post, May 29, 1938, 6.—**St. John, F. R.** The survey of the Army Medical Library. Libr. J., N. Y., 1945, **70**: 195–7.—**Surgeon** General's reference library. Spec. Libr., Newark, 1947, **38**: 92.—**Survey** of the Army Medical Library. Bull. M. Libr. Ass., 1943, **31**: 369.—**United** States War Department; the Army Medical Library; a biblioteca médica do exército; a sua reorganização e as suas obrigações futuras. Rev. med. cir. S. Paulo, 1946, **6**: 471.—**Wesolowski, S.** Army Medical Library w Washingtonie. Polski tygod. lek., 1949, **4**: 31–2.—**Wright, W. E.** The recataloging program of the Army Medical Library. Coll. & Res. Libr., Chic., 1948, **9**: 41–4.

—— Index-Catalogue.

INDEX-CATALOGUE of the Library of the Surgeon-General's Office, U. S. Army. Ed. by Robert Fletcher (1. ser., v.**1** – 2. ser., v.**17**, 1880–1912) Fielding H. Garrison (2. ser., v.**18** – 3. ser., v.**2**, 1913–1920) Albert Allemann (3. ser., v.**3–10**, 1922–32) and Claudius F. Mayer (3. ser., v.**10**–4. ser., v.**11**, to date) 58 vols. in 4 ser. 4° Wash., 1880–(to date)

MAYER, C. F. Synopsis of style with list of abbreviations for serial publications indexed in the fourth series of the Index-Catalogue. 98p. 29cm. Wash., 1936.

Forms Suppl., ser. 4, Index-Catalogue.

—— New terminology and the Index-Catalogue; paper presented at the Symposium on medical subject-headings, held in Washington on Dec. 12–13, 1947, under the auspices of the Army Medical Library. 20 l. 28cm. Wash., 1948.

TOMPKINS, C. Letter to Congressman J. W. Johnston transmitting a resolution of the Medical Society of Virginia that a complete catalogue of the National Medical Library be printed. 2 l. MS. 8° Richmond, 1878.

UNITED STATES. CONGRESS. 54. CONGR., 1. SESS., H. R. Doc. 289, MAR. 7, 1896. Letter from the Assistant Secretary of War, transmitting a copy of a letter of the Surgeon General of the Army respecting an increase in the number of copies in the edition of the Index Catalogue of the Library of his Bureau. 1 l. 8° Wash., 1896.

Army Medical Library. Am. J. Psychiat., 1950, **106**: 794. **Army** Medical Library offering. Merck Rep., 1949, **58**: No. 4, 27.—**Frew, M.** Medical library craftsmanship. Leech, Johannesb., 1937, **8**: No. 2, 66–75.—**Guideposts** to literature. New England J. M., 1949, **241**: 587.—**Haseltine, N. S.** Index for doctors to be closed down. Wash. Post, 1950, Feb. 5.—**Index-Catalogue** (The) Lancet, Lond., 1936, **2**: 861; 1946, **2**: 168; 1950, **1**: 172.—**Index-Catalogue**, Army Medical Library. Texas J. M., 1936–37, **32**: 322.—**Index-Catalogue** of the Army Medical Library at Washington. Med. J. Australia, 1950, **1**: 275.—**Index** catalogue of the Library of the Surgeon General's Office. J. Am. M. Ass., 1936, **107**: 879.—[**Index-Catalogue** of the Library of the Surgeon General's Office] J. Indiana M. Ass., 1950, **43**: 211.—**Index-Catalogue** (The) of the Library of the Surgeon-General's Office in America. Med. J. Australia, 1949, **1**: 275.—**Indexkatalog**. Ciba Zschr., Basel, 1936–37, **4**: 1532.—**Index** services of the Army Medical Library. Bull. U. S. Army M. Dep., 1948, **8**: 100–2.—**Jones, H. W.** The Surgeon General's Library and the romance of the Index Catalogue. Hospitals, 1937, **11**: No. 1, 14–21.—**Jordan, P. D.** Some bibliographical and research aids to American medical history. Ohio Archaeol. Hist. Q., 1941, **50**: 305–25.—**Macatee, H. C.** Hiding the light under a bushel. Med. Ann. District of Columbia, 1950, **19**: 209.—**MacDermot, H. E.** The Surgeon-General's Index Catalogue. Canad. M. Ass. J., 1949, **60**: 182.—**Malkin, S. M.** Index-Catalogue of the Library of the Surgeon-General's Office, 1880–1950. Antiquar. Bkman., 1950, **9**: 779–80.—**Mayer, C. F.** Four keys to medical literature. Current List M. Liter., 1941, **1**: before p. 345. ——— The Index-Catalogue. Isis, Bost., 1949–50, **40**: 119.—**Medizinische** (Die) Bibliothek der amerikanischen Armee und ihre Index-publikationen. Med. Nachr., Wien, 1948, Folge 62, 8.—**Minsk, G.** Index-Catalogue of the Library of the Surgeon General's Office; issued by the U. S. Army Medical Library; Fourth Series, v. 10 [Bk Rev.] Libr. Q., 1950, **20**: 74.—**Power, D.** [Letter to Col. Harold W. Jones regarding Index Catalogue] Med. Rec., N. Y., 1946, **159**: 430.—**Surgeon-General's** (The) Catalogue. Lancet, Lond., 1949, **1**: 358.

—— Library of the Surgeon-General's Office, U. S. Army.

See preceding subheadings.

—— Naval medicine.

UNITED STATES. NAVAL MEDICAL SCHOOL. Library. Books, pamphlets and reprints received in Medical School Library. Bethesda, No. 33, 1946–

Baker, M. C. Library service at the United States Naval Hospital, Oakland. Spec. Libr., Newark, 1945, **36**: 332–9.

Rodier, R. E. National Naval Medical Center, Bethesda, Maryland; library facilities. Spec. Libr., Newark, 1944, **35**: 439–42.

—— Veterans.

UNITED STATES. VETERANS ADMINISTRATION. MEDICAL AND GENERAL REFERENCE LIBRARY. Selected acquisitions list. Wash., No. 1, 1948–

Beadles, M. K. Veterans Administration medical library service. Bull. M. Libr. Ass., 1947, **35**: 365–73.—**Connell, S. McL.** Library service in a Veterans Administration general hospital. Spec. Libr., Newark, 1947, **38**: 176–8.—**Kent, M. L., & Kinney, M. M.** Medical care second to none. Ibid., 172–6.—**Mushake, K.** Library service in a Veterans Administration neuropsychiatric hospital. Ibid., 179–81.

LIBYA.

See under **Morbidity; World War II.**

LICHEN PLANUS.

See also **Dermatosis.**

Blank, H. A clinical, laboratory, and experimental study of atypical lichen planus. J. Mil. M. Pacific, 1946, **2**: No. 2, 45–61.—**Epstein, E.** The lichen planus-eczematoid dermatitis complex of the Southwest Pacific; a study of 65 cases. Bull. U. S. Army M. Dep., 1945, **4**: 687–94.—**McGill, R. J.** Lichen planus linearis. J. R. Army M. Corps, 1947, **89**: 303–6.—**Sulzberger, M. B., & Jessner, M.** [Lichen planus, partly vesicular] U. S. Nav. M. Bull., 1948, **48**: 434.

LIFE.

See also **Sexual life; Soldier.**

—— Adjustment.

See also **Discipline; Neurotic; Personality; Psychopath; Unfit.**

Stouffer, S. A., Suchman, E. A. [et al.] The American soldier; adjustment during army life. 599p. 24½cm. Princet., 1949.
Forms v. 1, Stud. Social Psychol. World War II.

United States. War Department. Technical bulletin TB MED 21: Lecture outline for enlisted men on personal adjustment problems. 11p. 26cm. Wash., 1944.

Altus, W. D., & Bell, H. M. The validity of certain measures of maladjustment in an Army special training center. Psychol. Bull., 1945, **42**: 98–103.—**Brown, J. A. C.** Frustration and aggression. J. R. Army M. Corps, 1945, **85**: 101–4.—**Bychowski, G.** Personality changes characterizing the transition from civilian to military life. J. Nerv. Ment. Dis., 1944, **100**: 289–96.—**Chisholm, G. B.** Psychological adjustment of soldiers to Army and to civilian life. Am. J. Psychiat., 1944–45, **101**: 300–2.—**Davidoff, E.** The problem of maladjustment in an Army Service Forces Training Center. J. Nerv. Ment. Dis., 1947, **105**: 500–26.—**Gould, L.** How army life builds character. Phys. Cult., N. Y., 1941, **85**: No. 6, 12; 55.—**Janis, I. L.** Psychodynamic aspects of adjustment to Army life. Psychiatry, Balt., 1945, **8**: 159–76.—**Kasanin, J. S., Rhode, C., & Wertheimer, E.** Observations from a veterans' clinic on childhood factors in military adjustment. Am. J. Orthopsychiat., 1946, **16**: 640–59.—**Kraines, S. H.** Psychiatric orientation of military nonmedical personnel. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 481–505.—**Lecture** outlines for enlisted men on personal adjustment problems. War Dep. Techn. Bull., 1944, No. 21, 1–11.—**Lurie, L. A., & Rosenthal, F. M.** Military adjustment of former problem boys. Am. J. Orthopsychiat., 1944, **14**: 400–5.—**Maskin, M. H., & Altman, L. L.** Military psychodynamics; psychological factors in the transition from civilian to soldier. Psychiatry, Balt., 1943, **6**: 263–9.—**Olkon, D. M.** Effect of war and army life contingencies on the behavior and breakdown of the inductee and soldier. Dis. Nerv. Syst., 1944, **5**: 243–9.—**Sandler, S. A.** The Army and the maladjusted soldier. Mil. Surgeon, 1945, **96**: 89–93.—**Sheps, J. G.** A psychiatric study of successful soldiers. J. Am. M. Ass., 1944, **126**: 271–3.—**Steinberg, D. L., & Wittman, M. P.** Etiologic factors in the adjustment of men in the Armed Forces. War Med., Chic., 1943, **4**: 129–39. Also Arch. Neur. Psychiat., Chic., 1943, **49**: 925.—**Weinberg, S. K.** Problems of adjustment in Army units. Am. J. Sociol., 1944–45, **50**: 271–8.—**Woltman, A. G.** Johnny Doughboy adjusts to England. Am. J. Orthopsychiat., 1944, **14**: 731–3.

LIFE insurance.

See **Insurance.**

LIFE jacket.

See also **Injury,** Control; also next heading.

Great Britain. Flying Personnel Research Committee. FPRC 715: Report on development of life-saving jacket for civil aircraft. 1p. 40½cm. Lond., 1949.

Hearld, A. B. Vest Assembly, Water Rescue, Pneumatic, Type D–1, Drawing No. 47R12364. 13p. 27cm. Dayton, 1949.
Forms No. MCREXD–670–25, Memo. Rep. Acro M. Laborat. U. S. Air Force.

German, E., & Spassky, V. Spasatelnye sredstva. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 248–54.

LIFE preserver.

See also preceding heading.

Jennings, B. E., & Duffner, G. J. Comparison of flotation characteristics of various types of life preservers. 23p. 26½cm. Bethesda, 1947.
Forms Rep. No. 1, Res. Proj. X–691, U. S. Nav. M. Res. Inst.

Rupp, E. V. [Tests on life belt cartridges] 3 l. 28cm. Dayton, 1944.
Forms No. ENG–49–660–57–D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Life preservers, kapok, jacket type; leg straps for [Form letter] Bumed News Lett., Wash., 1945, **5**: No. 2, 31, pl.

LIFE raft.

See also **First-aid kit; Water supply.**

Futcher, P. H., Consolazio, W. V., & Pace, N. Summary of tests of life raft equipment conducted by the Naval Medical Research Institute in the Gulf of Mexico, July 7 through 11, 1943. 7 l. 26½cm. Bethesda, 1943.
Forms Rep. No. 1, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

—— The water balance and other physiological responses of men on life rafts. 20p. 26½cm. Bethesda, 1943.
Forms Rep. No. 3, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

—— The tablet emergency ration for lifeboats, rafts and floats. 18p. 26½cm. Bethesda, 1943.
Forms Rep. No. 4, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Quashnock, J. M. Life raft ration. 17p. 27cm. Dayton, 1943.
Forms No. ENG–49–696–19–L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Rupp, E. V., & Smith, J. B. Results of investigation to determine effect of repetitive recharging of valve and cylinder assembly for 1-man raft. 5 l. 26½cm. Dayton, 1945.
Forms No. TSEAL–3–660–54–Q, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Brown, A. H., & Gosselin, R. E. Water losses of men on life rafts. Clin. Invest. Rep. (OSRD) Wash., 1943, No. 27, 1–14.

LIGATURE.

See under **Surgical technic.**

LIGHT adaptation.

See **Night vision.**

LIGHTING.

See **Blackout,** Lighting; **Hospital construction,** Lighting; **Illumination.**

LIGHTNING.

See also **Injury,** electric.

Currens, J. H. Arterial spasm and transient paralysis resulting from lightning striking an airplane. J. Aviat. M., 1945, **16**: 275–7.—**LeCocq, F.,** jr. Electrical phenomenon involving an aircraft in flight. Air Surgeon Bull., 1945, **2**: 119.

LIGHT sense.

See **Night vision; Vision.**

LIGHT threshold meter.

See also **Night vision.**

Rowland, W. M. A small light threshold meter. 3 pts. 27cm. Randolph Field, 1942–43.
Forms Rep. No. 1–3, Proj. No. 69, U. S. Air Force School Aviat. M.

LIMB.

See **Extremity; Extremity injury; Foot; Hand; Hip; Knee; Leg,** etc.; also **Injury,** Crush and contusion.

—— artificial.

See also **Prosthesis;** also under names of parts of extremities as **Foot,** Appliances and prosthesis, etc.

[California] University of California. College of Engineering. Subcontractor's report on fundamental studies of human locomotion and other information relating to design of artificial limbs; covering the period from Septemper 1945 through June 1947. 2v. in 4. 28cm. Berkeley, 1947.
Forms a part [pt 12] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Hosmer (A. J.) Corporation. Final report on the development of hydraulic weight bearing knee lock for knee disarticulation amputations; work arms for wrist disarticulations, below and above elbow amputations; work tools and devices for vocational rehabilitation; hydraulic control to actuate hooks and hands used on work arms; improved design hook; covering the period from March 1946 through April 28, 1947. v. l. [85] l. 28cm. S. Monica, 1947.

Forms Subcontract 16 [pt 5] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Krais, F. Abbildungen von Kriegsbeschädigten mit und ohne Ersatzglieder Betätigungen mit Arbeitshilfen usw. p.351–427. 25½cm. Stuttg., 1916.

In his Verwendungsmögl. d. Kriegsbeschäd., Stuttg.

Magnier, L. G. E. L'appareillage des mutilés; prothèse et orthopédie. p.163–316. 24cm. Par., 1946.

Rev. Corps san. mil., Par., 1946, **2:**

Northrop Aircraft. Subcontractors final report on research and design of artificial arms and legs; covering the period from January 2, 1945 to July 1, 1947. 2v. v. l. 28cm. Hawthorne, 1947.

Forms Subcontract 1 (or No. 17?) [pt 9] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

Northwestern University. Subcontractor's final report on a review of the literature, patents, and manufactured items concerned with artificial legs, arms, arm harnesses, hands, and hooks; mechanical testing of artificial legs; covering the period from December 1945 through June 1947. 2v. [114] l. [126] l. 28cm. Evanston, 1947.

Forms Subcontract 12 [pt 10] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

United States. Army. Surgeon General's Office. Information on artificial limbs and the care of the stump; a manual for the amputated. 11p. 19½cm. Wash., 1919.

[United States] National Research Council. Advisory Committee on Artificial Limbs. Terminal research reports on artificial limbs; covering the period, 1 April 1945 through 30 June 1947. 95p. 28cm. Wash., 1947.

United States. Veterans Administration. Prime contract VAm 21223: Subcontractor's final report on [artificial limbs] 16v. in 23. 28cm. Hawthorne, 1947.

—— Technical bulletin TB 10A–113: Repair of artificial legs and arms for Canadian or British imperial beneficiaries [1]p. 27cm. Wash., 1948.

—— Technical bulletin TB 10A–169: Instructions governing procurement, issue, and repair of artificial limbs for beneficiaries in VA hospitals and centers. 5p. 27cm. Wash., 1948.

Artificial limbs and hands. Rcs. Program U. S. Army M. Res. Bd, 1946, July, 123; Oct., 151; 1947, Apr., 76.—**Brodbeck, J. A.** Experiment with the suction socket for above-knee amputees. Bull. U. S. Army M. Dep., 1947, **7:** 408–11.—**Dengler, S.** Fachärztliche Stellungsnahme zur Verarbeitung des Werkstoffes Panplast beim Bau von Behelfsprothesen. Deut. Militärarzt, 1944, **9:** 441.—**Kissane, M. M.** A lightweight end-bearing thigh bucket. Bull. U. S. Army M. Dep., 1947, **7:** 406.—**Krausse, W.** Ueber die Herstellung stabiler Uebergangsprothesen aus dem Werkstoff Panplast. Deut. Militärarzt, 1944, **9:** 440.—**Lindemann, K.** Für und wider die Behelfsprothese. Ibid., 1943, **8:** 420–2.—**Pauwels, F.** Die Ersatzglieder in der Austellung für Kriegsfürsorge Cöln 1916. Kriegsbeschädigtenfürsorge, 1916–17, **1:** 239–73, illust.—**Rose, E. J.** Amputations and the fitting of artificial limbs. Med. Bull. Veterans Admin., 1944–45, **21:** 5–7.—**Sippel, F.** Wie verhelfen wir den Kriegsverstümmelten durch Ersatzglieder wieder zur Arbeitsfähigkeit? In: Verwendungsmögl. d. Kriegsbeschäd. (Krais, F.) Stuttg., 1916, 35–70, illust.—**Socket.** Rcs. Program U. S. Army M. Res. Bd, 1946, Oct., 160.—**Strasser, R.** Behelfsbeine aus der Bastelstube eines Reservelazarettes. Deut. Militärarzt, 1943, **8:** 291–4.—**Toffelmier, D. D., & Laurence, M.** Manufacture and fitting of artificial limbs. U. S. Nav. M. Bull., 1945, **44:** 1149–67.—**Vischer, F** Ersatz der Gliedmassen. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2:** 548–76.—**Weakley, H.** The Walter Reed slip socket. Bull. U. S. Army M. Dep., 1949, **9:** 795–7.

LIMITED service.

See also **Defect; Disability; Recruiting.**

Fenn, J. W., Shull, H. J. [et al.] Selective Service registrants in Tennessee qualified for limited military service with attention to remediable defects. J. Am. M. Ass., 1942, **119:** 1115–8.—**Froehlich, E.** Die Kriegsfähigkeit von Rentenempfängern. Zschr. Neur. Psychiat., 1916, Orig., **33:** 178–84.—**Limited** service. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2:** 340–7.—**Medicine** and the war; waiver of physical defects for limited service officers. Med. Soc. Rep., Scranton, 1942, **36:** No. 4, 9–11.—**Men** with one leg now eligible for limited service in the Army. Week. Bull. S. Louis M. Soc., 1941–42, **36:** 356.—**Rapho.** L'utilisation par l'armée des réservistes fonctionnellement tarés. Concours méd., 1940, **62:** 641.—**Rogers, J. A.** Waiver of physical defects for limited service officers. J. Am. M. Ass., 1942, **118:** 1146; 119: 270. Also J. Oklahoma M. Ass., 1942, **35:** 272.—**Seidenfeld, M. A.** Limited service personnel in the Army; a program of training for service. Psychol. Bull., 1942, **39:** 437 (Abstr.)—**Silveira, A.** Aproveitamento dos inaptos em serviços auxiliares de guerra; orientação de acôrdo com as aptidões. An. paul. med. cir., 1944, **48:** 72.

LINDANE.

See under **Insecticide,** Preparations.

LINE of duty.

See such terms as **Disability; Epidemic; Forensic medicine; Injury,** Compensation; also under names of diseases.

LIP.

See also **Mouth.**

Bernier, J. L., & Clark, M. Carcinoma of the lip; preliminary analysis of 330 cases with follow-up of from 3 to 36 years. Mil. Surgeon, 1948, **102:** 474–9.—**Greenfield, H.** Labial sunburn in the tropics. Ibid., 1945, **96:** 355.—**Helwig, E. B., & Brown, R. G.** Carcinoma of the skin and lip. Bull. U. S. Army M. Dep., 1947, **7:** 437–40.—**Karakašević, B., Radosavljević, M., & Karakašević, D.** Cheilitis infectiosa. Voj. san. pregl., Beogr., 1948, **5:** 159–64.

LIPONYSSUS.

See under **Mite.**

LITHUANIA.

See under **Hospital report; Morbidity; World War I.**

LITTER.

See also subheadings of **Ambulance; Equipment,** medical; **Fracture,** Apparatus; **Litter bearer.**

Carroll, C. A., Spangler, H. J. [et al.] A comparative study of various litters for field use. 42 l. 27cm. Camp Lejeune, 1944.

Forms Res. Proj. X–399, U. S. Nav. M. Field Res. Laborat.

Clark, D. M. Center-row webbing strap litter installation for C–54A airplane. 5 l. 26½cm. Dayton, 1943.

Forms No. ENG–49–697–2X, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Jennings, B. E. Tests on plastic litter developed by Special Devices Division, Bureau of Aeronautics. 3 l. 26½cm. Bethesda, 1945.

Forms Res. Proj. X–109C, U. S. Nav. M. Res. Inst.

—— A modification of the semi-rigid canvas litter (NMRI Model A) Stock No. S6–691, Supply Catalog, Medical Department, U. S. Navy. 4 l. 26½cm. Bethesda, 1945.

Forms Res. Proj. X–109D, U. S. Nav. M. Res. Inst.

Johnson, J. B., jr, & Wilson, G. H. Medical Department litter program. p.1–294. 27½cm. Wash., 1946.

In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946.

Kopecky, E. F., Biggs, L. M., & Lindsey, H. A. Comparison of the semi-rigid stretcher (NMRI Model A) now carried by most submarines with the Peters Emergency Stretcher. 5 l. 28cm. N. Lond., 1948.

Forms Rep. No. 1, Proj. No. NM-011-019, U. S. Nav. M. Res. Laborat.

Mathieson, D. R., & Duncan, J. E. Semi-rigid canvas litters; experimental study. 16 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X-109 (Gen. 23) U. S. Nav. M. Res. Inst.

Shelesnyak, M. C., & Margolis, S. I. Comment and notes on the testing of sample laminated wood-plastic stretcher. 3 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-109, U. S. Nav. M. Res. Inst.

Spangler, H. J. Development of combined poncho-litter. 16 l. 27cm. Camp Lejeune, 1946.

Forms Res. Proj. X-728, U. S. Nav. M. Field Res. Laborat.

Anderson, O. W. L-5B litter support installation. Air Surgeon Bull., 1944, **1**: No. 8, 19.—**Beaver, W. C.** Litters to facilitate movement of air combat casualties. Ibid., 1945, **2**: 60.—**Craig, R. H.** Operating room stretcher for use aboard ship. Hosp. Corps Q., 1945, **18**: No. 2, 41.—**Des Cilleuls, J.** A propos de l'exposition d'une boîte ou machine nécessaire aux hôpitaux ambulants à la suite des armées, pour le transport des fracturés aux extrémités inférieures par Pierre Mangin, chirurgien en chef de l'Armée de Naples. Mém. Soc. fr. hist. méd., 1945, **1**: 41–4.—**Development** and testing of the Gallagher poleless field stretcher. Bumed News Lett., Wash., 1944, **4**: No. 10, 20. Also Progr. Rep. M. Field Res. Laborat. U. S. Navy, 1944, Oct., 12.—**Donehue, F. M.** Combined stretcher and treatment bed for transportation of pelvic and spinal injuries. U. S. Nav. M. Bull., 1946, **46**: 444–6.—**Dowling, G. B.** A type of litter hoist for LST's. Bumed News Lett., Wash., 1944, **4**: No. 12, 10–2.—**Eliott, V. J.** Collapsible evacuation airplane litter. Air Surgeon Bull., 1945, **2**: 60.—**Fontenot, J. B.** Collapsible stretcher for PBY rescues. Hosp. Corps Q., 1945, **18**: 36.—**Freeth, H. D.** Stretcher for removing casualties from Lancasters and other heavy bombers. MTE Journ. (R. Air Force) 1944–45, **4**: No. 11, 11.—**Geselevich, A. M.** [Chair litter for transport of wounded] Voen. med. J., Moskva, 1944, 84.—**Gibbens, G. H.** Tiered stretchers. J. R. Nav. M. Serv., 1943, **29**: 143.—**Gibson, G. M.** The stretcher case. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 988–93.—**Holman, M. S.** An improvised stretcher bed with attachments. J. R. Army M. Corps, 1946, **86**: 275.—**Iizuka, G.** Sisaku hohuku tankasya ni tuite; hu, kussin oyobi hohuku hôhô [creeping Front-line litter carriages] Gun idan zassi, 1936, 367–83, 3pl.—**Johnson, J. B.**, jr, & **Wilson, G. H.** The straight pole litter. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 11–97. ——— The Satterlee litter, 1860. Ibid., 11. ——— The Halstead litter, 1861. Ibid., 12. ——— The Medical Board litter, 1892. Ibid., 13. ——— The ash pole litter, 1916. Ibid., 14. ——— The standard aluminum litter, 1935. Ibid., 18–20. ——— The folding pole litter. Ibid., 98–173. ——— The Schwichtenberg litter. Ibid., 111–3. ——— Evaluation of the folding wood litter. Ibid., 149–52. ——— Miscellaneous litters and litter adapters. Ibid., 174–294. ——— The American Pressboard stretcher-kot. Ibid., 184.—**Kashyap, C. L.** An improvised blanket stretcher. J. R. Army M. Corps, 1945, **84**: 135.—**Kawaguti, A.**, & **Okamura, S.** Tanka yoko-tetu no kenkyû [Study of iron cross-pieces for stretchers (litters)] Gun idan zassi, 1927, 1349–58, diagr.—**Keevil, J. J.** The Neil Robertson stretcher. J. R. Nav. M. Serv., 1944, **30**: 162.—**Komiyayama, T., Kurita, A.**, & **Kogure, S.** Mansyû tyûbu tihô ni okeru kyûzô tanka oyobi kyûzô soegi no kenkyû [Stretchers and splints improvised in the central regions of Manchuria] Gun idan zassi, 1936, 356–66, 4 pl.—**Lawlor, A. J.** Development of the stretcher bed (Holman) and attachments. J. R. Army M. Corps, 1946, **87**: 41–4.—**Litters** and litter carriers, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 303–15.—**M., D. R.** Semi-rigid litter. Bumed News Lett., Wash., 1944, **4**: No. 5, 18.—**Maclean, A. A.** Stretcher for use in private car. Brit. M. J., 1940, **2**: 572.—**Mozes, E.** Plan of collapsible litter. Mil. Surgeon, 1944, **95**: 517.—**Poujol, J.** Sur la nécessité de doter les infirmieries indigènes d'un bât de mulet et d'une paire de litières du modèle en usage dans l'armée. Bull. méd. Algérie, 1908, **19**: 633–5.—**Simpson, R. K.**, & **Potenciano, P.** Rattan litter for use in airplane. Flight Surgeon Topics, 1938, **2**: 105.—**Smith, G.** Rapport à la Commission internationale de standardisation sur la standardisation du brancard de campagne. Rev. internat. Croix Rouge, 1928, **10**: 14–39, 8 pl.—**Sukharev, V. M.** Nosilki i stol dlja sanitarnoj obrabotki tiaželo ranenykh. Voen. med. J., Moskva, 1947, No. 4, 38.—**Suzuki, S.** Remarks on stretchers used on warships. J. Ass. Mil. Surg. U. S., 1906, **18**: 41–4.—**Tarnowsky, G. de.** Modification of litter to prevent slipping. Bull. U. S. Army M. Dep., 1945, **4**: 514.—**Timofeevsky, P.** Volokuśa. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 994–7.—**Turnbull, R. B.**, jr, & **Summers, C.** An improved method for combat litter loading. Hosp. Corps Q., 1944, **17**: No. 4, 80.—**Vinokurov, V. A.**, & **Grushko, D. N.** [Wheeled litters for company aid men] Voen. san. delo, 1943, No. 2, 61.—**Willson, R. C., Milles, G.**, & **Muller, C. N.** A universal 2-litter lift. U. S. Nav. M. Bull., 1944, **43**: 376–8.

—— Floating stretcher.

Jennings, B. E. Evaluation of the International Latex Corporation raft for Stokes stretcher. 3p. 26½cm. Bethesda, 1945.

Forms Res. Proj. X-109B, U. S. Nav. M. Res. Inst.

—— Report on original model and modification of the Ellis flotation stretcher. 4p. 27cm. Bethesda, 1946.

Forms Res. Proj. X-109G, U. S. Nav. M. Res. Inst.

—— & Shelesnyak, M. C. Improvised Stokes stretcher floats for air/sea rescue. 12p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-109A, U. S. Nav. M. Res. Inst.

Ashley, P. Modified Stokes stretcher for resuscitation by the Eve method. U. S. Nav. M. Bull., 1945, **44**: 848.—**Ellis** flotation stretcher. Air Sea Rescue Bull., 1946, **3**: No. 9, 22–4.—**Floating** stretcher. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, June, 1.—**Hall, G.** Floating Stokes stretcher. Hosp. Corps Q., 1945, **18**: 70.—**Johnson, T.** Blanket roll stowage in Stokes stretcher. Ibid., 1944, **17**: No. 5, 102.

—— Parts and support.

Chapin, M. A. Deodorizer, litter, individual. 21 l. 27cm. Dayton, 1945.

Forms No. TSEAL-3-698-31K, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Schuessler, C. F. Development of lightweight legs for litters. 5p. 26cm. Randolph Field, 1948.

Forms Proj. No. 21-02-016-E, U. S. Air Force School Aviat. M. Also in Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 42.

—— Development of a backrest for litters. p.7–12. 26cm. Randolph Field, 1948.

Forms Proj. No. 21-02-016-M, U. S. Air Force School Aviat. M.

United States. Naval Medical Research Institute. Carrying straps for pole litters. 2p. 27cm. Bethesda, 1946.

Forms Project X-109F, Nav. Med. Res. Inst., U. S.

Ball, H. C. J. An inexpensive stretcher back rest. Brit. M. J., 1940, **2**: 610.—**Davis, F.** A note on the storage of blankets and stretchers and a suggested method for easier and neater packing. J. R. Army M. Corps, 1941, **76**: 52–4.—**Johnson, J. B.**, jr, & **Wilson, G. H.** Litter stop attachment for amphibian truck. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 260–94.

LITTER bearer.

See also **Aid station; Ambulance service; Collecting station.**

Archibald, E. B. The training of stretcher bearers in the use of the tump line principle and the development of new equipment for tump line carriage of casualtics and matcriel. 6p. 28cm. Ottawa [?] 1944 [?]

Forms No. C-6066, Rep. Assoc. Com. Army M. Res. Nat. Res. Counc. Canada.

Germany. Kriegsministerium. Krankenträgerordnung. 206p. 15½cm. Berl., 1907.

McEachern, D. S. Report on demonstration of tump line method for carrying casualties. 3p. 28cm. Ottawa [?] 1944 [?]

Forms No. C-6085, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Blesse, F. A. Organisation et entraînement du personnel de notre département médical, spécialement les brancardiers. Arch. méd. belges, 1935, **88**: Bull. internat., 185–92. Also Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 99–108.—**Collection** of casualties. Lancet, Lond., 1943, **2**: 165.—**Gorfin, D.** Sanitar v voenno-sanitarnykh učreždenijakh. In: Bolsh. med. encikl., 1934, **29**: 569.—**Grogono, E. B.** A method of blanketing A. R. P. or other stretchers. Brit. M. J., 1940, **2**: 638.—**Keys, G. J. G.** Stretcher physical training. J. R. Army M. Corps, 1944, **83**: 38–42.—**McOuat, J. T.** The drayman's lift; an alternative method of loading a stretcher by 2 bearers.

Ibid., 1942, 78: 285–7.—**Murray, R. O.** Suggestions for battle drill for stretcher-bearers. Ibid., 1943, 80: 291–9.—**Praise** litter bearers on Fifth Army front. J. Am. M. Ass., 1944, 124: 1259.—**Stretcher** bearers in chemical warfare. Bull. Army M. Dep., Lond., 1943, No. 27, 7.

LITTER loading device.

See under **Air ambulance.**

LITTER support.

See also under **Air ambulance.**

CLARK, D. M. Inspection of preliminary installation of webbing strap litter supports in XC–108A airplane. 12 l. 27cm. Dayton, 1943.

Forms No. ENG–49–697–2U, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Webbing litter support installation for production C–46 aircraft. 15 l. 27½cm. Dayton, 1944.

Forms No. ENG–49–697–2WW, Memo. Rep. Aero M. Laborat. U. S. Air Force.

UNITED STATES. AIR FORCE. AERO MEDICAL LABORATORY. Memorandum report No. ENG–49–697–2P: Conference on litter support installations for production C–47, C–46, C–54A, and C–97 airplanes. 2 l. 26cm. Dayton, 1943.

Improvised litter support. Bull. U. S. Army M. Dep., 1945, 4: 149.

LIVER.

See also **Digestive system,** Disease.

Brick, I. B., & Horstman, H. A. Liver biopsy. Bull. U. S. Army M. Dep., 1949, 9: 668–78.—**Bruger, M.** Liver function tests. Ibid., 1947, 7: 815.—**Dunn, R. C.** The thymol turbidity test for liver dysfunction. Mil. Surgeon, 1948, 102: 173–6.—**Miasnikov, A., & Velikorecky, A.** Pečen (hepar) In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 488–500, 2 pl.—**Ramos, A., & Piqueras, E.** La reacción de cefalina-colesterina de Hanger; preparación del antígeno. Med. & cir. guerra, 1948, 10: 499–501.—**Russell, H. K.** Prothrombin liver function test. U. S. Nav. M. Bull., 1945, 45: 1140–2.—**Two** simple liver function tests. Surgeon Circ. M. Sect. Far East Command, 1950, 5: No. 3, 10.

LIVER disease.

See also **Hepatitis; Icterus; Liver.**

MOREY, G. R., PAYNTER, C. R. [et al.] Report of metabolic and clinical effects of different regimens in chronic liver disease. 45 l. 27cm. Chic., 1949.

Forms Rep. No. 58, U. S. Army Med. Nutrit. Laborat.

UNITED STATES. ARMY EPIDEMIOLOGICAL BOARD. COMMISSION ON LIVER DISEASES. Annual report. Wash., 1 (1947/48) 1948–

—— Quarterly progress report. Wash., No. 2, 1948–

Beloglazova, T. I. Splenektomija pri hepatolienalnykh zabolevanijakh. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 630–7.—**Cirrhosis** of the liver. Statist. Navy M., 1948, 4: No. 12, 2.—**Downs, T. M.,** jr. A discussion of certain aspects of the normal liver and of Laennec's cirrhosis of the liver, illustrated by two cases. Mil. Surgeon, 1945, 97: 405–18.—**Fähndrich, W.** Akute Leberparenchymschädigungen verschiedener Aetiologie. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 495–520.—**Friedman, M.** Recent advances in the medical management of cirrhosis of the liver. Mil. Surgeon, 1948, 102: 169–73.—**Gambescia, J.** The pathogenesis of jaundice; the indications and interpretation of laboratory studies in suspected hepatic disease. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, 5: No. 2, 2–22.—**Henrion, Merle & Lenoir.** Polymorphisme clinique et difficultés diagnostiques du cancer secondaire du foie. Bull. Soc. méd. mil. fr., 1947, 41: 143–50.—**Hippensteel, H. V.,** jr. Primary carcinoma of the liver (hepatoma) U. S. Nav. M. Bull., 1949, 49: 556–9.—**Jameson, E. M., & Savarese, L. A.** Familial portal cirrhosis in young adults. Ibid., 1945, 45: 270–6.—**Johnson, J. W.** The problem of diagnosis and treatment of early hepatic cirrhosis. Mil. Surgeon, 1944, 95: 507–11.—**Miasnikov, A.** Hepatolienalnyj sindrom. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1196–8.—**Mintz, J.** Portal cirrhosis. Bull. U. S. Army M. Dep., 1949, 9: 566–77.—**Russell, J. J., Locke, W., & Best, C. H.** Dietary factors in liver injury. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 129.—**Watson, C. J.** Commission on Liver Disease. Q. Progr. Rep. Com. Liver Dis. U. S. Army, 1948, No. 3, 1–5. Also Res. Program U. S. Army M. Res. Bd, 1948, Jan., 58–61.—**Willson-Pepper, J. K.** Congenital cystic disease of the liver. J. R. Army M. Corps, 1944, 83: 46–9.

—— Abscess.

See also **Dysentery** (amebic)

Hays, T. G., Brown, R. B., & Godfrey, E. W. Liver abscess. U. S. Nav. M. Bull., 1948, 48: 7–21.—**Hughes, C. W.** Drainage of a liver abscess. Med. Bull. Europ. Command, 1949, 6: 15–8.—**Madranges & Chevat, H.** Un drame abdominal d'étiologie trompeuse. Bull. Soc. méd. mil. fr., 1949, 43: 53.—**Pinto, M. W. J.** A case of portal pyaemic abscesses of the liver. J. Ind. Army M. Corps, 1949, 5: 37–9.—**Radojčić, M.** Bacterium coli mucosum kultivisan iz abscesa jetre. Voj. san. pregl., Beogr., 1948, 5: 38–40.—**Talbot.** Réflexions sur l'abcès du foie. Bull. Soc. méd. mil. fr., 1948, 42: 66–70.

—— Amebiasis.

See also **Dysentery** (amebic)

Amebiasis and liver abscesses. Statist. Navy M., 1948, 4: No. 4, 4–7.—**Hepatic** amoebiasis. Bull. Army M. Dep., Lond., 1945, No. 50, 2–5.—**Kullman, H. J. F., & Golden, H.** Hepatic amebiasis. U. S. Nav. M. Bull., 1948, 48: 22–39.—**Talbot.** De la prudence avec laquelle il faut juger des résultats cliniques de certaines thérapeutiques dans l'amibiase hépatique. Bull. Soc. méd. mil. fr., 1949, 43: 117.—**Treatment** of hepatic amoebiasis. Bull. Army M. Dep., Lond., 1945, No. 51, 3.

LIVER injury.

See also **Gastrointestinal tract,** Injury.

Madding, G. F., Lawrence, K. B., & Kennedy, P. A. War wounds of the liver. Bull. U. S. Army M. Dep., 1946, 5: 579–89. Also Texas J. M., 1946–47, 42: 267–72.—**Saitō, T., & Takei, R.** Batei-syō ni in-suru kanzō-haretu no iti tiken rei [A cured case of ruptured liver caused by horsehoof injury] Gun idan zassi, 1927, 925–8.

LOCALIZATION.

See **Foreign body,** Localization.

LOUSINESS.

See also **Disinsectation.**

CHOWN, F. R. Lousicidal tests with permaseptic treated blanket. 2p. 28cm. Ottawa[?] 1944[?]

Forms No. C–6053, Rep. Assoc. Com. Army M. Res. Nat. Res. Counc. Canada.

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 194: Entseuchungs- und Entwesungsvorschrift für die Wehrmacht. 79p. 15cm. Berl., 1939.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. PREVENTIVE MEDICINE DIVISION. SANITATION SECTION. NAVMED 653: Louse control manual. 19p. 26cm. Wash., 1945.

Boldyrev, T. E. [Prophylaxis of parasitary typhus] Voen. san. delo, 1941, No. 10, 25–34.—**Buravlev, I. F.** [Disinsection under field conditions] Ibid., 1942, No. 9, 62–5.—**Culpepper, G. H.** Lice; skin treatments. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 12.—**Hornung, H.** Beitrag zur Ungezieferfestigkeit. Deut. Militärarzt, 1943, 8: 114.—**Need** lousy clothes be disinfected? Bull. Army M. Dep., Lond., 1943, No. 19, 6.—**O'Donnell, D.** A simple and rapid method of destroying crab lice; report of its use in 12 cases in the South Pacific. War Med., Chic., 1944, 6: 253.—**Reynier, J. P. de.** Beitrag zur Entlausungsfrage unter Berücksichtigung der Verhältnisse im Gebirgsdienst. Vjschr. schweiz. Sanitätsoff., 1945, 22: 19–24.—**Richardson, H. H.** Methyl bromide delousing, DDT insecticides, and rodent control problems at New York Port of Embarkation. Bull. U. S. Army M. Dep., 1947, 7: 308–16.

—— Apparatus for delousing.

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 195/5: Der Anhänger (1 achsig) für Entseuchung mit Brausevorrichtung (Sonderanhänger 2) 11p. 21cm. Berl., 1942.

—— [Heeres-Druckvorschrift] H. Dv. 195/6: Der Satz Entwesungsgerät 42. 26p. 21½cm. Berl., 1943.

Clauberg, K. W., & Pflaum, W. Wie lässt sich die Heissluftentlausung verbessern? Bull. War M., Lond., 1942–43, 3: 415 (Abstr.) Also Bull. Hyg., Lond., 1943, 18: 142 (Abstr.)—**Cowper, S. G.** A note on a disinfestation plant used in a typhus hospital for prisoners of war in Germany. J. R. Army M. Corps, 1946, 87: 173–6.—**Kaiser, M., & Liedl, E.** Proberöhr-

chen für Heissluftentwesungsapparate. Deut. Militärarzt, 1943, 8: 429.—**Münnich, K.** Ueber Wärmemessung vermittels akustischer Fernthermometer in Heissluft-Entlausungskammern. Ibid., 683–6.—**Ostapenia, P. V., & Protopopov, A. P.** [A camp disinsecting apparatus made of canvas] Voen. san. delo, 1942, No. 7, 68–71.—**Protopopov, A. P.** [Field disinsecting chamber Sh-D for 10–12 sets of equipment] Ibid., 1943, No. 2, 58–61.—**Riabov, P. I.** [Detachable dry-heated disinsecting chamber] Ibid., 1942, No. 6, 68.—**Rodnikov, V. G.** [A shower-bath set for the DKP disinsecting chamber] Ibid,, 1943, No. 2, 55–7.—**Wünsch, H.** Ueber eine einfache, zweckmässige Heissluft-Entlausungsanlage. Deut. Militärarzt, 1943, 8: 425–9.

—— Control and prevention.

Craufurd-Benson, H. J., & Macleod, J. A. L. 63, the original British Army louse powder. J. Hyg., Lond., 1945–46, 44: 294–306.—**Finger, G.** Grundsätzliches zur Läusebekämpfung mit Imprägnierungsmitteln. Deut. Militärarzt, 1944, 9: 295–7.—**Kalabukhov, N. I.** [The action of certain pyrethrum preparations on pediculi vestimenti humani] Voen. san. delo, 1943, No. 7, 50. ——— [The action of soap emulsions of flicide on pediculi vestimenti humani] Ibid. 50—**Khanenja, F. S., & Zhuravlev, S. V.** Insekticidnye preparaty dlja borby s pedikulezom. In: Dost. sovet. med. Oteč. vojny, 1943, 1: 41–9.—**Verbücheln.** Die Bekämpfung der Läuse und der durch Saugmilben hervorgerufenen Räude mit T 14. Zbl. ges. Hyg., 1942–43, 50: 569 (Abstr.)

LOWER extremity.

See **Extremity; Extremity injury; Foot; Knee; Leg; Tibia.**

L S T

See also **Amphibious warfare; Litter.**

Cahn, I. L. Duty on an LST is interesting. Hosp. Corps Q., 1945, 18: 49.—**Cooper, T., & Wessels, A. L.** Malaria epidemic aboard an LST. U. S. Nav. M. Bull., 1945, 45: 54–6.—**Szylejko, H. W.** Abandoning an LST. Hosp. Corps Q., 1945, 18: No. 5, 44–6.

LUMBAGO.

See with **Sciatica.**

LUMBAR pad.

See under **Aircraft,** Comfort.

LUMBAR region.

Grubmüller, J. Beitrag zur Symptomatologie der vierten Lumbalwurzel. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 703.—**Lenz, G. G.** Lumbar hernia. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, 4: 256–67.—**Wheeler, H. L.** Anomalies of the lumbosacral area in relation to military service. Mil. Surgeon, 1949, 104: 382–5.

LUMINOSITY.

See also **Fluorescent fabric.**

Schiller, A. A., & Cecchini, L. P. An apparatus for the rapid determination of the relative luminosities of fluorescent solids particularly applicable for field work. 21p. 26½cm. Bethesda, 1948.

Forms Rep. No. 3, Res. Proj. NM 001 008, U. S. Nav. M. Res. Inst.

Also Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 3.

LUNG.

See also **Respiratory tract;** also under **Medical examination.**

Batemen, J. B., & Boothby, W. M. Alveolar respiratory quotients; an experimental study of the difference between true and alveolar respiratory quotients, with a discussion of the assumptions involved in the calculation of alveolar respiratory quotients and a brief review of experimental evidence relating to these assumptions. 21p. 28cm. Wash., 1944.

Forms Rep. No. 341, Com. Aviat. M. U. S. Nat. Res. Counc.

Boothby, W. M. Comparison of alveolar oxygen pressures, oximeter readings and percentage of saturation of hemoglobin. 7p. 28cm. Wash., 1943.

Forms Rep. No. 163, Com. Aviat. M. U. S. Nat. Res. Counc.

Carlson, L. D., & Wulff, V. J. Pulmonary ventilation of flyers at high altitudes. 17 l. 28½cm. Dayton, 1944.

Forms No. ENG-49-660-48-G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Gray, J. S. Reference curves for alveolar composition and arterial oxygen saturation at various altitudes. 15p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 290, U. S. Air Force School Aviat. M.

—— & Green, E. L. Voluntary ventilation capacity; normal values and reliability of measurement. 13p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 449, U. S. Air Force School Aviat. M.

Ivy, A. C., Krasno, L. [et al.] Effect of d-desoxyephedrine (pervitin) on the reduction of vital capacity at high altitudes. 4p. 28cm. Wash., 1942.

Forms Rep. No. 50, Com. Aviat. M. U. S. Nat. Res. Counc.

Karpovich, P. V. Lung ventilation during certain simple physical exercises [4] l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 96, U. S. Air Force School Aviat. M.

Rahn, H., Mohney, J. [et al.] A method for the continuous analysis of alveolar air. 10p. 28cm. Wash., 1945.

Forms No. 476, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Also J. Aviat. M., 1946, 17: 173–8.

Rushmer, R. F. Overventilation in subjects during the swing test. 11p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 133, U. S. Air Force School Aviat. M.

United States. Air Force. School of Aviation Medicine. Research report, project No. 131, report No. 1: The derivation and certain uses of an equation relating alveolar composition to altitude. 12p. 27cm. Randolph Field, 1943.

Wigodsky, H. S. Changes in vital capacity with altitude. 3p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 27, U. S. Air Force School Aviat. M.

Kasahara, R. Taihei ni okeru hai-kizyōmyaku-yō roentgensen-zō ni tuite [Roentgenograms of the accessory pulmonary lobes of the vena azygos] Gun idan zassi, 1938, 309–12, pl.—**Núñez, C., & Pellerano, C. A.** Consideraciones histofisiológicas sobre el alveolo pulmonar. Rev. pub. nav., B. Air., 1949, 2: 5–42.—**Olascoaga, M.** Lobitis ácigos. Rev. san. mil., B. Air., 1946, 45: 1186–92.—**Pendley, W. O.** The azygos lobe in photofluorography. U. S. Nav. M. Bull., 1946, 46: 1920–7.—**Ravich-Shcherbo, V., Linberg, B., & Fridkin, V.** Legkie (pulmones) In: Enciкl. slovar voen. med., Moskva, 1946–48, 3: 367–89, 3 pl.—**Solans, L.** Lóbulos accesorios del pulmón; nota radiológica. Med. & cir. guerra, 1949, 11: 47–50.

LUNG disease.

See also **Pleurisy; Pneumonia; Respiratory tract; Tuberculosis.**

Bejarano, J. F. R. Epidemiología de las neumopatías agudas no tuberculosas ni destructivas en el Ejército argentino; consideraciones sobre su etiología. Rev. san. mil., B. Air., 1944, 43: 581–618.—**Blancardi, C. F. E. A.** La silicose pulmonaire et les problèmes qu'elle pose en milieu militaire. Rev. Serv. san. mil., Par., 1937, 106: 675–700.—**Dembo, A. G.** Nedostatoćnost krovoobraśćenija pri khronićeskikh legoćnykh zabolevanijakh. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 21: 125–74.—**Falkenfleth, G.** Lungelidelse hos nylig undersøgte rekrutter. Nord. med., 1948, 38: 753–5.—**Fort, P., & Blancardi, C.** Deux cas de silicose pulmonaire chez de jeunes soldats. Bull. Soc. méd. mil. fr., 1936, 30: 409–14.—**Glusker, D., Fuentes Villalobos, P., & Márquez Escobedo, M. B.** Occurencia de intradermorreacciones positivas a la coccidioidina, brucelina, histoplasmina, haplosporangina y tuberculina, en conscriptos del Ejército mexicano. San. mil., Méx., 1948, 1: 103–7.—**Jend, W., jr.** Pulmonary actinomycosis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, 1: No. 3, 12–4.—**Lieux & Sarlin.** Volumineux kyste hydatique suppuré de la base pulmonaire gauche; incision, drainage, guérison. Bull. Soc. méd. mil. fr., 1949, 43: 122.—**Linberg, B. E.** Klinika plevro-legoćnykh nagnoenij voennogo i mirnogo

vremeni. Vest. khir., 1946, **66**: No. 5, 97. Also Tr. Vsesoiuz. sezda khir. (1946) 1948, 25. meet., 136–49.—**McDonald, R. K.** Summary of the method of the quantitative determination of pulmonary hemorrhage. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 27.—**Murolo, C.** Sui segni radiologici di cisti di echinococco polmonare. Gior. med. mil., 1949, **96**: 489–97.—**Nagai, T.** Tyōsen ni okeru hai-Distoma no tyōsa gaikyō [Summary of investigations of Distoma pulmonale in Korea] Gun idan zassi, 1925, 1149–80.—**Palugyay, J. v.** Die Wabenlunge. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 163–70.—**Pasqualini, R. Q., & Donnes, A. V.** Epidemiología de las neumopatías agudas. Rev. san. mil., B. Air., 1944, **43**: 402–32.—**Ravich-Shcherbo, V.** Pnevmokoniozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 615–9.—**Response** of pulmonary infections to streptomycin therapy. Med. Bull. U. S. First Army, 1947, **2**: No. 6, 8.—**Sarlin, Roger & Leculée.** Hernie bilatérale du poumon du type pneumocèle plus marquée à droite. Bull. Soc. méd. mil. fr., 1949, **43**: 81.—**Schneider, P. P.** Ergebnisse und Erfahrungen aus einem Reserve-Lazarett für Lungenkranke; nach dem Jahresbericht für 1942. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 180–209.—**Schönholzer, G.** Morbus Besnier-Boeck-Schaumann und Armee durchleuchtung. Schweiz. med. Wschr., 1947, **77**: 585–8.—**Soláns, L.** Pulmón poliquístico; nota radiológica. Med. & cir. guerra, 1949, **11**: 223.—**Sussman, L.** Cystic disease of the lung. U. S. Nav. M. Bull., 1946, **46**: 1105–9.—**Wilken-Jensen, K.** Actinomycosis pulmonis. Militaerlaegen, 1947, **53**: 17–22.—**Wood, N. E.** Lung cysts. Surg. Staff Semin. Minneapolis Veterans Hosp., 1949, **6**: 55–75.—**Wyman, A. C.** Multiple pulmonary calcifications. U. S. Nav. M. Bull., 1947, **47**: 244–8.—**Zhitnikov, B. A.** Emfizema legkih i hipertonija. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 302–8.

—— Abscess.

Smith, A. B., Aaron, E. R., & Wallace, H. E. Bacteriologic flora in lung abscesses before and after inhalation of penicillin in aerosol. 8p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. X–772, U. S. Nav. M. Res. Inst.

Blades, B. Recent advances in the treatment of lung abscesses. Bull. U. S. Army M. Dep., 1947, **7**: 742.—**Broček, H. J., Burke, J., & Jacobs, T. T.** Lung abscess; two cases treated with penicillin. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 28, 10–3.—**Didiée, Besnoit & Cosset.** Un nouveau cas d'abcès du poumon asséché après radiothérapie fonctionnelle du carrefour carotidien. Bull. Soc. méd. mil. fr., 1945, **39**: 163–5.—**Dubau, R., & Bourdet, P.** Réflexions sur une série de treize abcès du poumon. Ibid., 1946, **40**: 52–9.—**Duthil.** A propos d'un cas d'abcès du poumon. Ibid., 1947, **41**: 239.—**Fink, B.** Kako da se spriječi kronični empijem. Voj. san. pregl., Beogr., 1944, **1**: No. 2, 19.—**Kolesnikov, I. S.** Gangrena i abscessy legkikh ognestrelnogo proiskhoždenija. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1950, **10**: 143–75, 3 pl.—**Orlenko, J. M.** Sluchaj abscessa legkogo i empiemy plevry, provedennyj zakrytym metodom lečenija. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 285–8.—**Schneyder.** A propos du traitement des abcès du poumon. Bull. Soc. méd. mil. fr., 1946, **40**: 108–10.

—— Atelectasis.

Peterson, L. J. Postoperative pulmonary atelectasis. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, **5**: 12–26.—**Thompson, E. C.** Treatment of atelectasis. U. S. Nav. M. Bull., 1945, **44**: 757–62.—**Zukschwerdt, L.** Treatment of massive lung collapse. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 4, 21–4.

—— Edema.

Biochemical study of pulmonary edema of guinea pigs exposed to high oxygen atmospheres. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 9.—**Cleland, G.** The use of concentrated plasma in the treatment of pulmonary oedema due to trauma. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 131–4.—**Coone, H. W., Irey, N. S.** [et al.] [Edema of the lungs] Bull. U. S. Army M. Dep., 1948, **8**: 961–8.—**Monto, R. W.** Positive pressure oxygen therapy in treatment of pulmonary edema caused by chlorine gas. Ibid., 1946, **5**: 233–5.—**Pendl.** Blood-substitutes in toxic pulmonary edema. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 288.—**Whittenberger, J. L., & Kaye, R.** Respiratory obstruction and pulmonary edema. Sympos. Mil. Physiol., Wash., 1947, 163–9.

—— Infarction and infiltration.

Blan, P., & Girard, J. Fréquence des infiltrats labiles non tuberculeux du poumon. Bull. Soc. méd. mil. fr., 1949, **43**: 51.—**Chasnoff, J.** Pulmonary infarction. Bull. U. S. Army M. Dep., 1946, **6**: 125–39.—**Duroux, A., & Jarniou.** Les infiltrats labiles du poumon; essai de classification. Bull. Soc. méd. mil. fr., 1949, **43**: 38.—**Hoffman, I. L., & Huard, G. S.** Report of case of Löffler's syndrome with a concomitant non-specific maculo-papular rash. Mil. Surgeon, 1949, **105**: 7–12.—**Maeda, N.** Sakotu-ka hai-sinzyun ni tuite [Pulmonary infiltration below the clavicle] Gun idan zassi, 1930, 189–200, pl.—**Murani, L.** Infiltrato polmonare transitorio a carattere pseudo cavitario. Ann. med. nav., Roma, 1949, **54**: 65–72, 2 pl.—**Ono, A.** Iwayuru iti ka-sei hai-sinzyun ni tuite [So-called evanescent pulmonary infiltration] Gun idan zassi, 1940, 307–28, 4 pl.—**Scherlis, S.** Löffler's syndrome; eosinophilic pneumonia; case report. Mil. Surgeon, 1945, **96**: 349–54.—**Soysa, E.** The eosinophilic respiratory syndrome; a review of 100 cases. J. R. Army M. Corps, 1949, **92**: 1–23.—**Spühler, O., & Kartagener, M.** Endemisches Auftreten eosinophiler Lungeninfiltrate in einer militärischen Einheit nebst Bemerkungen über das miliare eosinophile Infiltrat. Schweiz. med. Wschr., 1944, **74**: 1145–9.—**Tropical** eosinophilia (?) U. S. Nav. M. Bull., 1945, **45**: 175–7.

—— Tumor.

Camelin, Garnung [et al.] Oblitération artérielle aiguë des membres inférieurs au cours d'un cancer du poumon. Bull. Soc. méd. mil. fr., 1949, **43**: 70.—**Effler, D. B., Bunch, R. F.** [et al.] A case of lung tumor. Bull. U. S. Army M. Dep., 1946, **6**: 701–8.—**Geyer, A., & Kerjan, L.** Un nouveau cas de cancer broncho-pulmonaire primitif; diagnostic par inclusion des crachata à la paraffine. Rev. méd. nav., Par., 1947, **2**: 355–7.—**Henthorne, J. C.** Neoplasms of the lungs. Mil. Surgeon, 1948, **103**: 387.—**Laneri, G.** Tumore primitivo del polmone con metastasi scapolare. Gior. med. mil., 1942, **90**: 665–75.—**Rottjer, E. A., Aguilar, H., & Lascalea, C.** Manifestaciones articulares en el cáncer de pulmón. Rev. san. mil., B. Air., 1946, **45**: 1163–73.—**Roux, M., Geyer, A., & Saout, J.** Deux cas de cancer pulmonaire. Rev. méd. nav., Par., 1946, **1**: 401–7, 9 pl.—**Salvati, G. L.** Sarcoma polmonare. Ann. med. nav., Roma, 1948, **53**: 105–12, 2 pl.

LUNG injury.

See also **Gas poisoning,** Pathology: Lung; **Thoracic injury.**

Bastos-Ansart, M. Resultados de las operaciones inmediatas en las heridas de guerra del pulmón. p.607–58. 24½cm. Brux., 1948.

P. verb. Congr. Soc. internat. chir. (1947) 1948, 12. Congr.

Bastos-Ansart. Résultats des interventions inmédiates dans les blessures de guerre du poumon. J. chir., Par., 1948, **64**: 109–14. ——— & **D'Abreu, A. L.** War injuries of the lungs. Brit. M. J., 1947, **2**: 502.—**Bastos-Ansart, Matas, R.** [et al.] War wounds of the lungs. Lancet, Lond., 1947, **2**: 480.—**Estella, J.** Las heridas de guerra del pulmón. P. verb. Congr. Soc. internat. chir. (1947) 1948, 12. Congr., 666–9.—**Filippi, J. de.** Consideraciones sobre las heridas de pulmón y pleura durante la última guerra según la experiencia italiana de E. Morelli y R. Paolucci. Día méd., B. Air., 1948, **20**: 1569–74. ——— Heridas pleuropulmonares; experiencia de la guerra pasada en los frentes francés y alemán. Ibid., 1949, **21**: 805–12.—**Frey, E. K.** Ueber Lungenschüsse. In: Kriegschir. Ratgeber, Berl., 1941, 155–66.—**Grigorjev, N. I.** Lečenie slepykh ranenij legkikh v tylovom hospitale. Voen. med. J., Moskva, 1945, No. 12, 14–21.—**Heisig, W.** Lokalisation von Fremdkörpern durch Doppelaufnahmen; unter besonderer Berücksichtigung eines Falles von Steckschuss im Bereich der Lungenspitze. Deut. Militärarzt, 1943, **8**: 449–51.—**Hudson, T. R., & Hardt, H. G.** Rifle bullet in the lung. Bull. U. S. Army M. Dep., 1944, No. 80, 120–2.—**Klages, F.** Erfahrungen bei der Behandlung von Brustfell-Lungenschüssen auf dem Hauptverbandplatz; Ergebnisse von 151 während des ersten Jahres des Ostkrieges versorgten Fällen. Chirurg, 1943, **15**: 586–92.—**Maggio, P.** Die geschlossenen pleuro-pulmonalen Traumen und ihre besonderen Probleme in der Kriegschirurgie. Wien. med. Wschr., 1943, **93**: 123 (Abstr.)—**Murakami, T.** Haizō-nai no ryūdan tekisyutu ni tuite [Extraction of a bullet lodged in the lungs] Gun idan zassi, 1938, 981.—**Nakamura, T.** Kikansi satuei ni yoru kyōbu sensyō no kenkyū; hai-nai ryūdan oyobi nōkyō to kikansi satuei [Studies in war-wounds by means of photographs of the bronchi; stray bullets in the lungs and empyema, and photography of the bronchi] Ibid., 1940, 379–94, 2 pl.—**Pulmonary** concussion; blast lung. Bull. Army M. Dir., Lond., 1941, No. 5, 1. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 8.—**Sanger, P. W.** Evacuation hospital experiences with war wounds and injuries of the chest. Ann. Surg., 1945, **122**: 147–62.—**Stojanović, V.** Zaostala strana tela u plućima i njihovo hirurško lečenje. Voj. san. pregl., Beogr., 1949, **6**: 13–24.

LUNG irritant.

See also under **Gas poisoning,** Asphyxiating gas.

Treatment of casualties due to lung irritants. Bull. U. S. Army M. Dep., 1944, No. 81, 3.

LUZON.

See under **World War II.**

LYMPHATIC system.

CUSTER, R. P. Certain lesions of lymph nodes [72]p. 25cm. Wash., 1943.
Forms No. 7, Study Batch U. S. Army Inst. Path.

Braga, A. Sôbre a titulagem do imune-sôro contra a adenite estreptocócica equina. Rev. mil. med. vet., Rio, 1941, **4**: 3133–53.—**Cottrell, J. D., Stronach, R. D., & Peddie, J. J. G.** A syndrome of generalized lymphadenitis with neutrophil leucopenia. J. R. Army M. Corps, 1944, **83**: 12–6.—**Hawe, D. W.** Infectious lymphocytosis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: No. 3, 20.—**Kiss, I.** A nyirokcsomó melanosisa generalisált dermatosisokban. Honvédorvos, 1950, **2**: 200–4, illust.—**Moorman, W. W.** Incidence of palpable lymph nodes U. S. Nav. M. Bull., 1947, **47**: 821–3.—**Schulz, W.** Die Drüsenpunktion als diagnostisches Rüstzeug des Militärarztes. Med. Klin., Berl., 1944, **40**: 559.—**Technique** for performing lymph node puncture. Med. Bull. U. S. First Army, 1948, **3**: No. 11, 24.—**Vessluis, H., & Foote, B. E.** Epizootic lymphangitis. Med. Bull. North Afr. Theater U. S., 1944, **2**: 134–6.

LYMPHOGRANULOMA inguinale.

See also **Venereal disease.**

Banciu, A. Agenţii terapeutici in limfogranulomatoza Nicolas-Favre. Rev. san. mil., Bucur., 1936, **35**: 747–53.—**Fein, H. F., & Berchenko, F.** Lymphogranuloma venereum; a review of 26 cases at a station hospital in India. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 8–11.—**Matumoto, T.** Frei-si kôgen zyômyaku-nai tyûsya ni yoru sokei rinpa nikugasyusyô no tiryô ni tuite [The treatment of lymphogranulomatosis inguinalis by the intravenous injection of the Frei antigen] Gun idan zassi, 1940, 427–38, 2 pl.—**Nimpfer, T.** Ueber Erscheinungsformen und Verlauf der Lymphogranulomatosis inguinalis. Deut. Militärarzt, 1944, **9**: 130–5.—**Ruge, H.** Zum mikroskopischen Nachweis des Virus beim Lymphogranuloma inguinale. Ibid., 341–4.

LYSTER bag.

See also **Water supply.**

New Marine Corps kit and procedure for sterilizing water in Lyster bags. Bumed News Lett., Wash., 1943, **2**: No. 7, 17.

MACEDONIA.

See under **World War I.**

MADAGASCAR.

See various references under **Air evacuation**—by countries; **Recruiting; World War II.**

MADURA foot.

See under **Foot,** Mycosis.

MAGNET.

See under **Foreign body,** Localization.

MAIMING.

See under **Mutilation;** also **Disability; Injury; Malingering.**

MAJURO.

See under **World War II.**

MAKIN.

See under **World War II.**

MALADJUSTMENT.

See under **Life,** Adjustment.

MALARIA.

See also subsequent headings **Malariography; Malariology;** also under related geographical headings under **World War II.**

AUSTRALIA. ARMY. Notes on malaria for medical entomologists, 1943. 20p. 18cm. Melb., 1943.

AUSTRALIA. ROYAL AUSTRALIAN AIR FORCE. R. A. A. F. publication No. 510: Malaria handbook for medical officers. 113p. 19½cm. N. Melb., 1945.

GARCÍA, E. Y. Malaria in war and peace. 91p. 23cm. Manila, 1945.

GERMANY. HEER. SANITÄTS-INSPEKTION. Malaria; Klinik, Behandlung und Vorbeugung. 80p. 21cm. Berl., 1941.

GERMANY. OBERKOMMANDO DES HEERES [Hecres-Druckvorschrift] H. Dv. la. Anh. 2. Merkblatt 53c/51: Malaria. 151p. 21cm. Berl., 1942.

HOFFMAN, F. L. The malaria problem in peace and war. 101p. 21½cm. Newark, 1918.

MEYTHALER, F. Kriegs-Malaria; Klinik, Differentialdiagnose, Therapie. 87p. 23cm. Stuttg., 1942.
Forms No. 6, Tropenhyg. Schr.

—— SCHMID, K. E., & BERNHARD. E. [The same] ... 2. Aufl. 93p. 23cm. Stuttg., 1944.

UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Malaria. Rev. ed. 8p. 27cm. Orlando, 1944.
Forms Pt 1, Notes Trop. Dis., Arctic Desert Trop. Br. U. S. A. A. F.

Bejarano, J. F. R. Información sobre fiebre amarilla y paludismo. Rev. san. mil., B. Air., 1946, **45**: 728–31.—**Carden, G. A., jr.** Malaria; introduction. In: Advance. Mil. Med., Bost., 1948, **2**: 665–70.—**Coggeshall, L. T.** Certain experiences with malaria during World War II. Rev. Inst. salub. enferm. trop., Méx., 1945, **6**: 229–37.—**Cooper, W. E.** Malnutrition and malaria and effect on combat efficiency. In his Med. Dept. Activ. Philippines, Wash., 1946, 10–9.—**Cornell, V. H., & Jones, H. W.** A case of malaria. Bull. U. S. Army M. Dep., 1948, **8**: 70–3.—**D'Arcy, T. M. W.** Malaria and the army. J. R. Army M. Corps, 1948, **91**: 7–22.—**Höring, R. O.** Induced and war malaria. J. Trop. M. Hyg., Lond., 1947, **50**: 150–9.—**Lipkin, G., & Korostelev, V.** Maljarija. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 622–34.—**McCoy, O. R.** Malaria and the war. Diplomate, 1945, **17**: 98–103.—**Malaria.** Rep. M. Res. Counc., Lond. (1939–45) 1948, 57.—**Malaria;** the missing link found. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 14.—**Manson-Bahr, P.** Malaria in war-time. Surgo, Glasg., 1944–45, **11**: 75–9.—**Oille, W. A.** Notes on malaria. J. Canad. M. Serv., 1944–45, **2**: 263–7.—**Paludisme.** Statist. méd. Armée (France) (1894) 1896, 112–6.—**Pampana, E.** Malaria in guerra. Ann. med. nav., Roma, 1943, **49**: 131–44, pl.—**Quintana Augspurg, G.** Paludismo de guerra. Día méd., B. Air., 1948, **20**: 210–5.—**Ronnefeldt, F.** Malaria. In: Wehrhygiene (Handloser, S.) Berl., 1944, 137–42.—**Rose, Meythaler & Martini.** Malaria. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 82–7.—**Sinton, J. A.** Malaria in war. Ulster M. J., 1946, **15**: 3–28.—**Willcox, A.** Malaria. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 1–3.—**Young, M. D.** Present and post-war malaria; epidemiology and parasitology. Proc. N. York Ass. Pub. Health Laborat., 1943, **23**: 9–14.

—— Associated diseases.

Imahasi, Z. Malaria to tyô-typhus-kei situbyô no gappei ni tuite [The combination of enteric fevers with malaria] Gun idan zassi, 1940, No. 324, 541–54. —— Malaria to sekiri-kei situbyô no gappei ni tuite [The combination of dysentery and malaria] Ibid., No. 325, 683–94.—**Priest, R.** Malaria and dysentery on active service. In: Interallied Conf. War Med. (1942–45) 1947, 72–7.

—— Control.

See also other subheadings; also **Malariography.**

UNITED STATES. PUBLIC HEALTH SERVICE. COMMUNICABLE DISEASE CENTER. Monthly report; malaria control in war areas. Atlanta, Apr. 1943–

—— Malaria control in war areas. Atlanta (1942/43) 1943–

—— Malaria control in war areas; field bulletin. Atlanta, July, 1944–

UNITED STATES. WAR DEPARTMENT. TB MED 6: Data from field on malaria control. 3p. 26cm. Wash., 1944.

—— TB MED 42: Data from the field on malaria control. 7p. 26cm. Wash., 1944.

—— TB MED 87: Data on malaria control. 11p. 26½cm. Wash., 1944.

—— TB MED 134: Data on malaria control. 12p. 26cm. Wash., 1945.

—— TB MED 164: Malaria control in the Army. 12p. 26cm. Wash., 1945.

—— TB MED 182: Data on malaria control. 23p. 26cm. Wash., 1945.

Aitken, T. H. G. Airplane malaria control. In: Prev. Med. in World War II, Wash., 1948, **3**: App. 32, 162–5.—**Boyd, W. S.** Training and educational services on the malaria control in war areas program. Proc. N. Jersey Mosquito Exterm. Ass., 1945, **32**: 129–34.—**Bradley, G. H.** Entomological evaluations of control work on the malaria control in war areas program during 1944. Ibid., 115–9.—**Carden, G. A., jr.** The screening program. In: Advance. Mil Med., Bost., 1948, **2**: 691–7.—**Control** of malaria. In: Prev. Med. in World War II, Wash. 1948, **11**: pt 2, 42.—**Cox, W. C.** The 10 year comprehensive drainage problem for malaria control. Ibid., 69.—**Dai-Tei Education Squad.** Hohei dai hatizyū rentai malaria yobō narabi-ni bokumetu-hō [Malaria prophylaxis and control methods in Infantry Regiment No. 80] Gun idan zassi, 1927, 1461–81, tab.—**Eremin, V. A.** Parazitonositelstvo pri maljarii i organizacija borby s nim v častjakh. Med. parazit., Moskva 1945, **14**: No. 6, 28–31.—**Extended** malaria control. In: Malaria Control in War Areas, Atlanta, 1945–46, 11–8.—**Extended** (The) malaria control program. Malaria Control in War Areas, 1945, Jan., 1–28.—**Gage, A.** Applicability of techniques of military malaria control to industrial developments and rural populations. Proc. Internat. Congr. Trop. M., 1948, 4. Congr., **1**: 841–9. Also Med. Bull. (Standard Oil Co.) N. Y., 1949–50, **9**: No. 2, 106–16.—**Gerberg, E. J.** Malaria control demonstration area. Bull. U. S. Army M. Dep., 1946, **6**: 194–6.—**Hart, T. A.** La lucha del ejército contra el paludismo. An. Laborat. centr., Cochabamba, 1946, **1**: No. 2, 3–6. Also Sc. Month., 1946, **62**: 421.—**Henderson, J. M.** Operation of the Malaria Control in War Areas DDT residual house spraying program. Proc. N. Jersey Mosquito Exterm. Ass., 1946, **33**: 36–42.—**Imported** malaria studies. In: Malaria Control in War Areas, Atlanta, 1945–46, 71–3.—**Lipkin, G. S., & Shub, G. M.** Organizacija protivomaljarijnykh meroprijatij v lagerjakh. Voen. san. delo, 1940, No. 5, 82–4.—**Malaria** control. Bull. U. S. Army M. Dep., 1945, **4**: 314–7.—**Malaria** control in war areas. Annual Rep. Dep. Health Alabama (1944–45) 1947, 328.—**Malaria** field studies. In: Malaria Control in War Areas, Atlanta, 1945–46, 67–70.—**Mitarnovsky, V. M.** Opyt borby s maljariej v vojskakh tyla v period Velikoj otečestvennoj vojny. Med. parazit., Moskva, 1946, **15**: No. 3, 35–43.—**Mockler, E. J.** Recent advances in malaria control. J. R. Nav. M. Serv., 1945, **31**: 252–4.—**Morgan, R. E., Sheppard, R. R., & Barnett, G. S.** Malaria control; description of a compressed air sprayer. U. S. Nav. M. Bull., 1947, **47**: 529–35.—**Premise** treatment, residue and spray studies. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 71.—**Rector, N. H.** Planning for malaria prevention on postwar impoundments. J. Nat. Malaria Soc., 1946, **5**: 277–83.—**Simmons, J. S.** The malaria control program of the United States Army during World War II. Proc. Internat. Congr. Trop. M., 1948, 4. Congr., **1**: 827–40. ——— Control of malaria in the United States Army. In: Malariology (Boyd, M. F.) Phila., 1949, **2**: 1455–68, illust.—**Technical** developments. In: Malaria Control in War Areas, Atlanta, 1945–46, 57–62.—**Van Auken, H. A.** Narrative review of malaria control in IBT. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 13–7. ——— Personal protective measures. Ibid., 19. ——— Malaria control was difficult for isolated detachments [illust.] Ibid., opp. p. 20. ——— Support of combat troops. Ibid., 43–8. ——— Anti-malaria supplies and equipment. Ibid., 49–53, pl. ——— Anti-malaria organization. Ibid., 53.—**War** malaria control. In: Malaria Control in War Areas, Atlanta, 1945–46, 3–10.—**Werneck, L.** Da localização conveniente da tropa como meio de profilaxia da maláría no Exército. Rev. med. mil., Rio, 1948, **37**: 513–7.—**Whittemore, F. W.** Malaria control in the Army. Bull. U. S. Army M. Dep., 1949, **9**: 228–30.—**Young, M. D.** Studies of foreign malarias. Malaria Control in War Areas, 1945, Aug. 1–5.

—— Diagnosis.

Birks. A new approach to malaria. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 23–30.—**Bogen, E.** Buffer precipitation test for malaria. U. S. Nav. M. Bull., 1945, **45**: 47–53.—**Boroff, D. A., & Gronemyer, R. W.** Technique for staining malaria smears. Bull. U. S. Army M. Dep., 1945, No. 88, 113.—**False** positive tests in malaria. Med. Bull. U. S. First Army, 1948, **3**: No. 10, 19–21.—**Freeborn, S. B.** Complement fixation test for malaria. Malaria Control in War Areas, 1944, Mar., 10.—**Golz, H. H.** The diagnosis and treatment of malaria. Med. Bull. Medit. Theater U. S., 1945, **3**: 103–11.—**Jacobson, B. M., & Russell, H. K.** Sternal puncture in diagnosis of malaria. U. S. Nav. M. Bull., 1945, **45**: 429–32.—**Katō, T.** Hi sensi ni yoru malaria gentyū kensyutu ni tuite [The detection of malaria plasmodium by means of splenic puncture] Gun idan zassi, 1940, No. 324, 533–40.—**Leibovitz, A.** The thick smear identification of malaria. Bull. U. S. Army M. Dep., 1948, **8**: 956–8.—**Martini, E.** Könnte nicht eine Malaria vorliegen? Deut. Militärarzt, 1942, **7**: 612.—**Tigertt, W. D.** Diagnosis of malaria. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 4, 16.—**Umezawa, H.** Henry-si melanin tinkō hannō no hontai narabi ni sono kanryaku-hō ni tuite [The fundamental action of the Henry test (for malaria, melanoflocculation) and a simplified method of its use] Gun idan zassi, 1940, No. 324, 519–32.—**Valdivieso Conde, L.** Estudio de la reacción de Takata-Ara en palúdicos. Med. & cir. guerra, 1949, **11**: 159–63.—**Westphal, A.** Diagnosis of latent malaria. CIOS Rep., Lond., 1945, Item 24, No. XXIX–35, 9.—**Yosida, H.** Malaria kanzya no lactoserification ni tuite [The lactoserification of malaria patients] Gun idan zassi, 1940, No. 324, 561, 6.

—— Manifestation.

Arbuse, D. I. Neuropsychiatric manifestations in malaria. U. S. Nav. M. Bull., 1945, **45**: 304–9.—**Boshes, B.** Neuropsychiatric manifestations during the course of malaria; experiences in the Mediterranean Theater in World War II. Arch. Neur. Psychiat., Chic., 1947, **58**: 14–27.—**Chevat, H., & Bloch, F.** Un cas de fièvre bilieuse hémoglobinurique à forme anurique. Bull. Soc. méd. mil. fr., 1949, **43**: 123.—**Fraser, P. K.** Blackwater fever. J. R. Nav. M. Serv., 1946, **32**: 136.—**Freimüller, F.** Zur Behandlung des Schwarzwasserfiebers. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 112–5.—**Hyman, A. S.** Clinical masquerades of malaria; observations in South Pacific combat areas. U. S. Nav. M. Bull., 1945, **45**: 287–303.—**Information** regarding the effect of malarial attacks on the health of the individual. Bull. U. S. Army M. Dep., 1945, **4**: 105–7.—**Matusima, R., Taguti, S.** [et al.] Malaria ni insuru Raynaud-si-byō no iti rei hōkoku [Report of an instance of Raynaud's disease caused by malaria] Gun idan zassi, 1929, 362–76, pl. graphs.—**Mozar, H. N.** Blackwater fever; case report. Bull. U. S. Army M. Dep., 1945, **4**: 468–70.—**Panea, A., Mustața, I., & Ionescu, M.** Câteva manifestațiuni ale paludismului. Rev. san. mil., Bucur., 1934, **33**: 652–6.—**Takaura, K.** Kokusui netu ni tuite no keiken [Experience with blackwater fever] Gun idan zassi, 1940, No. 325, 673–82.

—— naval.

Malarial epidemic aboard a cruiser. Gen. M. Interest Lett., Ottawa, 1944, No. 5, 1.—**Martin, K. W.** Malaria in a seagoing ship. J. R. Nav. M. Serv., 1944, **30**: 242–6.—**Nájera Angulo, L.** El paludismo náutico. Laborat. clin., Rio, 1945, **25**: 5–14.—**Parsons, U.** Malaria, produced by vegetable and animal putrefaction, as a cause of fever. Naval Mag., N. Y., 1836, **1**: 66; 148.—**Weathersbee, A. A.** Malaria control activities during the construction of an advanced tropical naval base. J. Nat. Malaria Soc., 1946, **5**: 263–76.

—— Pathology.

De Laurenzi, V. Paralisi isolate del muscolo serratus anterior da malaria. Gior. med. mil., 1947, **94**: 302–7.—**Khan, N. U.** Cerebral malaria. J. R. Army M. Corps, 1945, **84**: 263–7.—**Lewy, R. B.** Malarial papillitis. War Med., 1945, **7**: 341–4.—**Novodvorsky, V. M.** Chastota i kharakter nevropatii pri maljarii. Sborn. tr. Voen. med. akad. Kirov, 1949, **43**: 132–9.—**Schnelderbauer, A.** Malaria und Leberzellschädigung. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 97–112.—**Sprague, H. B.** Effects of malaria on the heart. Air Surgeon Bull., 1945, **2**: 413.—**Stamatiu, C.** Un caz de ruptură de splină paludică; splenectomie; vindecare; acces de malarie post operator; câteva considerațiuni clinice și terapeutice. Rev. san. mil., Bucur., 1934, **33**: 657–61.—**Yasuzumi, G.** Malaria ketueki no kōsitugaku-teki kenkyū [Colloidal studies in malarial blood] Gun idan zassi, 1940, No. 324, 555–60.

—— Pharmacology.

Bianco, A. A., Saunders, G. M. [et al.] An evaluation of the efficacy and safety of the intravenous use of SN–6911 in the treatment of malaria. 10p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–518, U. S. Nav. M. Res. Inst.

Chinn, H. I., & Ferber, C. J. Toxicity of anti-malarial drugs on flying personnel. 10p. 27cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. Rep. 21–02–062, U. S. Air Force School Aviat. M.

Hering, E. R., Patt, H. M., & Leavitt, H. J. Tolerability studies on new antimalarial drugs. 11 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X–686, U. S. Nav. M. Field Res. Laborat.

Hill, A. H., & Smith, P. K. Electroencephalographic and personality studies with relation to the plasm drug levels in normal subjects receiving large doses of the antimalarial drug SN–6911. 4p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 363, U. S. Air Force School Aviat. M.

Smith, P. K., McLemore, A. F. [et al.] Toxicity of suppressive doses of the anti-malarial drug, SN–7618. 21p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1–8, Proj. No. 331, U. S. Air Force School Aviat. M.

STORMONT, R. T. An evaluation of the relative safety of intravenously administered antimalarial drugs. 5p. 27cm. Bethesda, 1946.
Forms Rep. No. 3, Res. Proj. X-426, U. S. Nav. M. Res. Inst.

—— SNYDER, R. [et al.] An evaluation of the relative safety of intravenously administered antimalarial drugs. 20p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X-426, U. S. Nav. M. Res. Inst.

—— & PFEIFFER, C. C. The intravenous administration of SN-6911 to human subjects. 5p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X-426, U. S. Nav. M. Res. Inst.

TERZIAN, L. A. A method for screening antimalarial compounds in the mosquito host. 5p. 27cm. Bethesda, 1947.
Forms Rep. No. 6, Res. Proj. X-539, U. S. Nav. M. Res. Inst.

Action (The) of antimalarial drugs in mosquitoes infected with Plasmodium falciparum. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 10.—**Blanchard, K. C.** An evaluation of the work on antimalarials of the I. G. Farbenindustrie, Elberfeld, Germany. CIOS Rep., Lond., 1945, Item 24, No. XXIV-20, 1-20.—**Chinn, H. I., Ferber, C. J., & Flickinger, D. D.** Toxicity of anti-malarial drugs on flying personnel. J. Aviat. M., 1949, **20**: 161-70.—**Chloroquine-diphosphate**, a newly-standardized antimalarial drug. Bull. U. S. Army M. Dep., 1947, **7**: 834.—**Curtis, F. J., Davis, F. C.** [et al.] Sioli's methods of clinical testing. CIOS Rep., Lond., 1945, Item 24, No. XXIII-12, 32. ——— Further testing of sontochin and brachysan. Ibid., 33-6. ——— Preparation of sontochin. Ibid., 79-82.—**Drogas** en la guerra contra el paludismo. Farmacéutico, N. Y., 1945, **21**: No. 3, 34.—**Duncan, G. G.** Quinacrine hydrochloride (atabrine) as a malaria suppressive agent. Air Surgeon Bull., 1945, **2**: 413.—**Elderfield, R. C.** The synthesis of antimalarial drugs. In: Advance. Mil. Med., Bost., 1948, **2**: 671-7.—**Evaluation** (An) of the efficacy and safety of the intravenous use of SN-6911 in the treatment of malaria. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July-Dec., 31.—**Evaluation** (An) of the relative safety of intravenously administered antimalarial drugs. Ibid., 1946, Jan.-June, 19.—**Ferber, C. J., & Chinn, H. I.** Toxicity of anti-malarial drugs; therapeutic doses of chloroquine, paludrine, and pentaquine. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 28; Apr., 35.—**Hudson, E. H.** Quinine and atabrine; development and present application. U. S. Nav. M. Bull., 1945, **45**: 57-70.—**Kikuth, W.** Sontochin; toxicity tests. CIOS Rep., Lond., 1945, Item 24, No. XXIII-12, 91-5. ——— Further developments in malaria therapy; sontochin, a new synthetic malaria remedy. Ibid., 96-102. ——— Antimalarial research. Ibid., No. XXV-54, 28-49.—**McCoy, O. R.** Atabrine studies in an oversea theatre. Malaria Rep., Wash., 1944, No. 178, 1-8.—**Manwell, R. D.** Malaria, birds, and war. Am. Scientist, 1949, **37**: 60-8.—**Menk, W.** Experiences with sontochin as a curative and prophylactic agent in the treatment of malaria. CIOS Rep., Lond., 1945, Item 24, No. XXIII-12, 103-7. ——— & **Steinbömer, A.** Further experimental investigations on malaria prophylaxis by means of sontochin-M. Ibid., 113.—**Ohsato, Y., Tomoisi, T.** [et al.] Sulfonamide no malaria tiryō kōka ni tuite [The efficacy of sulfonamides in the treatment of malaria] Gun idan zassi, 1940, No. 324, 501-18.—**Roehl & Schulemann, W.** Experimental research on antimalarials; description of methods used. CIOS Rep., Lond., 1945, Item 24, No. XXIII-17, 6-9.—**Schönhöfer, Andersag** [et al.] Antimalarials. Ibid., No. XXIII-12, 23-36.—**Schonhöfer & Kikuth.** Clinical testing of antimalarials by I. G. Farben, Elberfeld. Ibid., No. XXIII-13, 1-13.—**Shannon, J. A.** The clinical testing of antimalarial drugs. In: Advance. Mil. Med., Bost., 1948, **2**: 698-716.—**Tôrres, A. L.** Novos medicamentos anti-malâricos; possibilidades de sua aplicação nas coletividades. Rev. med. mil., Rio, 1948, **37**: 123-9.

—— Prevention.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 65: Drug suppressive treatment of malaria. 4p. 26cm. Wash., 1944.

Bedford, P. D. Persistent malarial infestation in fully mepacrinised troops. Lancet, Lond., 1949, **1**: 627.—**Crozat.** Note sur la prophylaxie du paludisme par les synthétiques dans quelques unités militaires. Rapp. Journées méd. tunis. (1946) 1947, 199.—**Drug** suppressive treatment of malaria. Bull. U. S. Army M. Dep., 1945, **4**: 317.—**Le Chuiton, F.** La prophylaxie et le traitement du paludisme dans la marine. Bull. Soc. path. exot., Par., 1946, **39**: 36-43.—**Lesieur, L. C.** Malaria and atabrine suppressive treatment. Field M. Bull. (Burma) 1945, **4**: 240-4.—**Malaria** discipline. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 37-40.—**Márquez Escobedo, M. B.** Prevención de las manifestaciones clínicas del paludismo. San. mil., Méx., 1948, **1**: 9.—**Melnotte, P.** Prophylaxie du paludisme aux armées. Rev. hyg. méd. social., 1934, **13**: 65-78.—**Mullen** Prophylactic treatment for malaria in V force. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 79.—**Scott, R. W.** The chemoprophylaxis of malaria. J. R. Army M. Corps, 1947, **89**: 101-11.—**Sioli, F.** Diapromin-prophylaxis tests in malaria infection by mosquito and blood transmission. CIOS Rep., Lond., 1945, Item 24, No. XXIII-12, 85a. Also No. XXIII-17, 28.—**Suppression** (The) of malaria in combat. Malaria Rep., Wash., 1944, No. 300, 1-3, ch.—**Wildman, C. J.** Active immunization against malaria. Mil. Surgeon, 1947, **100**: 1-13.—**Wynne-Griffith, G.** Suppression of malaria by mepacrine. J. R. Army M. Corps, 1947, **89**: 112-21.—**Yankelevič, L. S., & Malyj, L. M.** Značenie profilaktičeskoj akrikhinizacii i khinizacii v protivomaljarijnoj rabote v lagere. Voen. san. delo, 1940, No. 5, 85-7.

—— recurrent.

See also subheading (Type: Vivax)

HOWE, C. D. The effect of altitude anoxia on the occurrence of relapses of malaria. 2 l. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 294, U. S. Air Force School Aviat. M.

McLester, J. B. Studies of relapse in malaria. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 4-7.—**Malaria** relapses after treatment with quinine and quinine substitutes. Month. Bull. Health Statist. (Gr. Britain War Off.) 1945, Sept., 37-45.—**Stokes, J. F.** The treatment of relapsing malaria. J. R. Army M. Corps, 1945, **85**: 75-80.—**Tumulty, P. A., Nichols, E.** [et al.] An investigation of the effects of recurrent malaria; an organic and psychological analysis of 50 soldiers. Medicine, 1946, **25**: 17-75.—**Yosida, I.** Sensyō-hei no saihotu-malaria ni okeru ketueki-zō narabi-ni kanzō kinō ni tuite [The blood picture and the liver function in recurrent malaria in war-wounded soldiers] Gun idan zassi, 1943, 1379-88.

—— Treatment.

NEW ZEALAND. DEPARTMENT OF HEALTH. Malaria; notes for the guidance of hospitals and medical practitioners in the treatment of service and ex-service patients. 16p. 25cm. Wellington, 1944.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10-14: Treatment of malaria. 2p. 27cm. Wash., 1946.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 72: Treatment of clinical malaria and malaria parasitemia. 8p. 26cm. Wash., 1944.

Alosi, B. Cura e profilassi della malaria; chinino o preparati acridinici? Ann. med. nav., Roma, 1943, **49**: 89-100.—**Covell, G.** Treatment of malaria. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 69-71.—**Dawson, W. T.** Cinchona alkaloids and bark in malaria. J. R. Army M. Corps, 1931, **56**: 178-201.—**Dhillon, B. S., Joshi, J. H., & Roy, S. K.** Treatment of pernicious malaria (coma) by nicotinic acid and its amide. Ibid., 1945, **84**: 268.—**Investigation** into the treatment of malaria in Assam, December 1942 to February 1943. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 12-23.—**Lamprell, B. A.** Suppressive and blanket treatment. Ibid., 80-4.—**Malaria**, chronic, therapy of. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 60; 1947, July, 39.—**Marqueissac.** Les progrès en thérapeutique du paludisme par les produits chimiques de synthèse. Rev. méd. nav., Par., 1947, 2: 227-42.—**Morgan, H. J., & Dieuaide, F. R.** The treatment of malaria in the United States Army. Tr. Ass. Am. Physicians, 1944, **58**: 53-61.—**Morisita, K.** Malaria tiryō ni okeru gentyūgakuteki hōmen [The protozoōlogical aspect of the cure of malaria] Gun idan zassi, 1928, No. 185, 1446.—**Noe, W. L., jr, & Cheney, G.** Failure of oral quinine and atabrine therapy in a patient with South Sea malaria. Mil. Surgeon, 1945, **97**: 146-50.—**Principles** of malaria treatment. Bull. Army M. Dep., Lond., 1945, Suppl., No. 21, 1-8.—**Reconditioning** of men with malaria. Health (U. S. War Dep. Surg. Gen. Off.) 1944, Mar., 12.—**Ronnefeldt.** Atebrinresistente Malaria? Deut. Militärarzt, 1944, 9: 277.—**Sanders, J. P., & Sanders, J. C.** Intravenous quinine in post-war malaria. Med. Times, N. Y., 1948, **76**: 465-9.—**Sinton, J. A.** The principles governing the curative and the suppressive treatments of human malaria, with special reference to military conditions. J. R. Army M. Corps, 1945, **84**: 147-58.—**Spiel, D. A.** Uchet maljarikov i provedennogo lečenija ikh v strelkovom polku. Voen. med. J., Moskva, 1946, No. 6, 18.—**Treatment** of clinical malaria and malarial parasitemia. Bull. U. S. Army M. Dep., 1945, **4**: 84-6.

—— Type: Falciparum.

Machella, T. E., Kimmelman, L. J., & Lewis, R. A. The intravenous administration of atabrine in falciparum malaria. Bull. U. S. Army M. Dep., 1947, **7**: 1009-21.—**Spitz, S.** The pathology of acute falciparum malaria. Mil. Surgeon, 1946,

99: 555–72, 2 pl.—**Toomey, A. G. G.** Apparent lack of response to quinine and mepacrine in cases of subtertian malaria. J. R. Nav. M. Serv., 1945, **31**: 254–7. ——— Aspects of the treatment of subtertian malaria. Ibid., 1946, **32**: 32–8.

—— Type: Gallinaceum (incl. all avian)

Miller, Z. B., & Kozloff, L. M. Metabolism of ribose nucleic acid by chick erythrocytes, normal and when parasitized by Plasmodium gallinaceum. 24p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3, Res. Proj. X–334, U. S. Nav. M. Res. Inst.

Terzian, L. A. The effect of splenectomy on avian malarial infections. 9p. 27cm. Bethesda, 1946.

Forms Rep. No. 5, Res. Proj. X–539, U. S. Nav. M. Res. Inst.

Tullis, J. L. The distribution of exoerythrocytic parasites and the tissue reaction caused by blood-induced Plasmodium gallinaceum infection in chicks. 9p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3 of preceding project.

United States. Naval Medical Research Institute. An evaluation of some organic compounds and salts of heavy metals in the treatment of avian malaria. 3p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Project X–462, U. S. Nav. M. Res. Inst.

Effect (The) of increased oxygen tension on Plasmodium gallinaccum malaria in chicks. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 5.—**Effect** (The) of splenectomy on avian malarial infections. Ibid., 1946, Jan.–June, 24.—**Evaluation** (An) of some organic compounds and salts of heavy metals in the treatment of avian malaria. Ibid., 19.—**Kikuth, W.** Avian screening. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 26–8.—**Study** (A) of the comparative therapeutic effects of quinine, quinacrine, and SN–6911 on Plasmodium gallinaceum malaria. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 34.

—— Type: Vivax.

Most, H. Management of vivax malaria in the veteran. 9p. 27cm. Wash., 1948.

Forms Techn. Bull. TB 10–47, U. S. Veterans Admin.

Saunders, G. M., & Bianco, A. A. The suppression of relapsing vivax malaria with SN–7618. 8p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–482, U. S. Nav. M. Res. Inst.

United States. War Department. Technical bulletin TB MED 136: Avoidance of relapses of vivax malaria by use of suppressive medication. 3p. 26cm. Wash., 1945.

Baker, B. M., & Platt, D. Observations on malaria in an infantry regiment; vivax relapse rates following continued atabrine suppressive medication. J. Mil. M. Pacific, 1945, **1**: No. 4, 4–10.—**Bang, F. B., Hairston, N. G.** [et al.] Treatment of acute attacks of vivax and falciparum malaria; a comparison of atabrine and quinine. Bull. U. S. Army M. Dep., 1947, **7**: 75–89.—**Bianco, A. A., Saunders, G. M.** [et al.] Long-term observation of Plasmodium vivax malaria in the returned serviceman. U. S. Nav. M. Bull., 1947, **47**: 352; 550; 753.—**Downs, W. G.** Results in an infantry regiment of several plans of treatment for vivax malaria. Am. J. Trop. M., 1946, **26**: 67–86.—**Gordon, H. H., Lippincott, S. W.** [et al.] Clinical features of relapsing Plasmodium vivax malaria in soldiers evacuated from the South Pacific area. Arch. Int. M., 1945, **75**: 159–67.—**Most, H.** Management of vivax malaria in the veteran. Am. Practitioner, 1946–47, **1**: 258–64.—**Report** of relapse rates in vivax malaria after four types of therapy; as studied in an oversea theater in the U. S. Army. Malaria Rep., Wash., 1944, No. 183, 1–10.

—— Veterans.

See also subheading (Type: Vivax)

Gordon, J. E. Importation of acute malaria by crews of aircraft. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 5, No. 2, 4.—**McCallum, I.** Malaria in soldiers returned from abroad. Guy's Hosp. Gaz., Lond., 1946, **60**: 125–8.—**Osgood, S. B.** Malaria and the returning soldier. J. Am. M. Ass., 1945, **128**: 512.—**Rubenstein, A. D., Shulman, M. H., & Merrill, D.** The hazard of transfusion malaria after the war. N. England J. M., 1945, **233**: 234–7.—**Veterans** Administration suggestions on the treatment of malaria. J. Arkansas M. Soc., 1946–47, **43**: 218.—**Young, M. D.** Imported malaria studies. Malaria Control in War Areas, 1944, Feb., 1–4.

MALARIA control unit.

See also **Malaria,** Control.

Aitken, T. H. G. WD antimalaria units. In: Prev. Med. in World War II, Wash., 1948, **3**: App. 32, 149–53.—**Hansen, C. A.** Malaria control mobile units. Malaria Control in War Areas, 1944, Feb., 5.—**Van Auken, H. A.** Malaria control and survey detachments. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 21–36, 10 pl. ——— Malaria control detachments. Ibid., 23–5.

MALARIOGRAPHY.

See also **Malaria,** Control.

Ficacci, L. L'epidemia malarica dell'anno di guerra 1944 e le sue caratteristiche cliniche. p.7–32. 24cm. Roma, 1945.

In: Pat. tempo guerra (Ficacci, L., Marini, B., & Pietrogrande, V.)

Bruni, N. Reviviscenza di focolai malarici in conseguenza della guerra. Policlinico, 1947, **54**: sez. prat., 153–6.—**Malaria.** In: Prev. Med. in World War II, Wash., 1948, **7**: 29–39, tab., 3 ch.—**Malaria** bionomics observations. In: Malaria Control in War Areas, Atlanta, 1945–46, 63–6.—**Malaria** control in war areas; summary of activities, 1944. Abstr. Curr. Inform. Insect Control, 1945, 25–7.—**Van Auken, H. A.** Men from malaria survey unit checked spleen and blood of natives to locate the reservoirs of malaria [illust.] In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, opp. p. 26.

—— Africa.

Bagster-Wilson, D. Notes on the epidemiology of malaria in the East Africa Command. East Afr. M. J., 1946, **23**: 258–72.—**Hackett, C. J.** Experiences in anti-malarial work in R. A. F. in West Africa. In: Interallied Conf. War Med. (1942–45) 1947, 82–5.—**Wilson, J. H.** Malaria in North Africa, 1944. J. R. Army M. Corps, 1945, **85**: 33–40.—**Wilson, M. E., & Wilson, D. B.** Malarial infectivity in African soldiers in a hyper-endemic area. East Afr. M. J., 1945, **22**: 295–7.—**Zamenlof, J.** Malaria at Kidugala Polish refugee camp, Tanganyika. Ibid., 1946, **23**: 311–7.

—— America.

United States. Army. Moore General Hospital. Monthly progress malaria report No. 3–11. 9 Nos. 27cm. Swannanoa, 1945.

Bejarano, J. F. R. El paludismo en el nordeste argentino. Rev. san. mil., B. Air., 1945, **44**: 1591; passim. ——— Algunos aspectos entomológicos del paludismo en la República Argentina. Ibid., 1946, **45**: 1373–80.—**Control** of malaria in the Panama sector. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 31–40.—**Cruz Ferreira, F. da.** O grau de infestação palustre entre as tropas expedicionárias aquarteladas na Praia (Ilha de São Tiago) em agosto e setembro de 1942. Bol. Dir. serv. saúde mil., 1943, **5**: 129–43.—**Drainage** survey, malaria control, Panama Canal Department. In: Prev. Med. in World War II, Wash., 1948, **12**: Exh. A, 1–171; Exh. B, 1–65; Exh. C, 1–41.—**Falção Neto, J. C. de M.** Aspectos médico-militares da malária no Brasil. Rev. med. mil., Rio, 1948, **37**: 569–79.—**Fitzgerald, P. J.** Malaria at a Caribbean base. U. S. Nav. M. Bull., 1946, **46**: 1140–52.—**Henderson, J. M.** Antimalaria measures for the protection of military personnel in Puerto Rico and their applicability to civilian malaria control. Puerto Rico J. Pub. Health, 1944–45, **20**: 419–45. Also Spanish transl., 446–72.—**Legwen, W. A.** Dredging at Macon, Georgia. Malaria Control in War Areas, 1944, Aug., 5.—**Malaria** (A) survey of the Santee-Cooper Reservoir, South Carolina. Ibid., 1945, June, 1–6.—**Noehren, T. H.** Malaria in Panama. U. S. Nav. M. Bull., 1946, **46**: 877–84.—**Paul, J. H.** Malaria control in war areas for 1945 and 1944. Annual Rep. Bd Health Florida (1944) 1946, **45**: 92–100.

—— Asia and Australia.

Afridi, M. K., & Arthur, J. H. Anti-malaria measures on Indo-Burmese border from 1942 to 1944. Mil. Surgeon, 1945, **97**: 85–92.—**De Burca, B.** Malaria in Fort Sandeman. J. Malaria Inst. India, 1945–46, **6**: 359–65, 2 pl. ——— & **Jacob, V. P.** Further notes on malaria in Fort Sandeman. Ind. J. Malariol., 1947, **1**: 413–6.—**Downs, W. G.** Malaria on Okinawa. Bull. U. S. Army M. Dep., 1949, **9**: 952–5.—**Galuškina, O. N.** Maliarija v Sverdlovskoj oblasti v gody Otečestvennoj vojny. Med. parazit., Moskva, 1946, **15**: No. 4, 10–8.—**Harper, P. A., Lisansky, E. T., & Sasse, B. E.** Malaria and other insect-borne diseases in the South Pacific Campaign, 1942–45. Am. J. Trop. M., 1947, **27**: No 3, Suppl., 1–67.—**Lawson, C. W.** Malaria; medical observations in South China and notes on the health situation in an internment camp under the Japanese. J. Lancet, 1945, **65**: 241–3.—**Mauzé, J.** Contribution à l'étude du paludisme dans les Nouvelles-Hébrides; particulièrement pendant la campagne du Sud-Ouest

Pacifique, Janvier 1942– decembre 1943. Méd. trop., Marseille 1946, **6:** 109–38, pl.—**Moreau, P.** Le paludisme dans l'armée en Indochine. Bull. Soc. méd. chir., Hanoï, 1936, **14:** 647–56.—**Murayama, M. S.** Kankyō hohei dai sitizyū-si rentai malaria ni kan-surū kenkyū [Study on malaria in Kankô Infantry Regiment No. 74] Gun idan zassi, 1929, No. 190, 269–316, tab.—**Selby, C. H.** Malaria in the South-West Pacific; additional facts about malaria control in the Australian military forces. Med. J. Australia, 1946, **2:** 286.—**Soysa, E.** Malarial episodes; a clinical study of atypical, pernicious and lethal cases selected from among 10,000 malarial patients admitted to military hospitals in Ceylon. J. R. Army M. Corps, 1947, **89:** 205–22.—**Stearns, L. A., & Ostrander, F. R.** Malaria and its control in the Persian Corridor during 1943. Mil. Surgeon, 1948, **102:** 426–47.—**Wilson, T., & Reid, J. A.** Malaria among prisoners of war in Siam (F Force) Tr. R. Soc. Trop. M. Hyg., Lond., 1949–50, **43:** 257–72.—**Yokota, S.** Sina zihen ni okeru malaria no rinsyō-teki kenkyū [Clinical studies of malaria in the China Incident] Gun idan zassi, 1940, No. 324, 483–500.

—— Europe.

Rotter, H. *Die Malaria im Latium während und nach dem Weltkrieg 1939–45, mit besonderer Berücksichtigung der Provinz Frosinone. 96p. 21cm. Zür., 1948.

Aitken, T. H. G. Report of malaria-control activities in the Mediterranean Theater of Operation during 1945. In: Prev. Med. in World War II, Wash., 1948, **3:** App. 32, 147–84, 6 pl. —— Army Air Force Service Command and Adriatic Base Command. Ibid., 178–81.—**Andrews, J. M.** Malaria control in the Mediterranean Theater of Operations in 1944. J. Mil. M. Pacific, 1945, **1:** No. 3, 33–8.—**Chloupek, D.** Epidemiološka analiza o padu malarije u Makedoniji u godini 1948. Voj. san. pregl., Beogr., 1949, **6:** 113–22. —— **& Stančev, P.** Pad malarije u Makedoniji 1947 godine. Ibid., 1948, **5:** 3–15.—**Cruz Ferreira, F. S. da.** A primeira perniciosa entre as tropas em S. Vicente Bol. Dir. serv. saúde mil., 1943, **5:** 37–48.—**Falção Neto, J. C.** A profilaxia da malária na campanha italiana. Rev. med. mil., Rio, 1946, **35:** 67–78.—**Habs.** Relationship between topography and malaria in Greece. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 89.—**Hühne, W.** Malariasanierung in Chalkis; ein Beispiel für die Spätsommer-Sanierung der Anophelenbrutplätze in einer von deutschen Truppen besetzten griechischen Stadt. Deut. Militärarzt, 1943, **8:** 371–6.—**Kandalova, A. V., & Pakhomov, S. J.** Osobennosti epidemiologii maljarii v period Otećestvennoj vojny v Krasnodarskom krae. Med. parazit., Moskva, 1946, **15:** No. 5, 3–9.—**Luppova, N. N.** Maljarija v Chuvaśskoj respublike v gody Otećestvennoj vojny. Ibid., No. 3, 25–35.—**McLester, J. B.** Observation on malaria in the Mediterranean Theatre of Operations, United States Army, 1943–45. J. M. Ass. Alabama, 1946–47, **16:** 221–3.—**Macnaught, W. W.** Primary benign tertian malaria among British troops in Normandy. Brit. M. J., 1946, **1:** 236.—**Malaria** morbidity rates, 1000, year for Italy [tab.] In: Prev. Med. in World War II, Wash., 1948, **3:** App. 32, 172.—**Manson-Bahr, P.** The nature and treatment of war-time malaria relapses in England. Mod. Treat. Yearb., Lond., 1945, 158–67.—**Menikhes, M. A.** Osobennosti epidemiologii maljarii v Niźnevolźskom bassejne v uslovijakh Otećestvennoj vojny. Med. parazit., Moskva, 1946, **15:** No. 5, 10–5.—**Moldavskaia-Krichevskaia, V. D.** Osobennosti epidemiologii maljarii v period Velikoj otećestvennoj vojny (1943–45) po levobereźnoj Ukraine. Ibid., No. 4, 18–26.—**Mrugowsky.** Malaria in South Russia. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 89–91.—**Reed, W. D.** Malaria in Germany. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 4, 72–8.—**Rogozin, I. I., & Jakusheva, A. I.** Maljarija v period Velikoj otećestvennoj vojny. Med. parazit., Moskva, 1946, **15:** No. 4, 3–10.—**Thompson, A. W. S.** Malaria control in mobile warfare; Italian campaign 1943–45. J. R. Army M. Corps, 1946, **86:** 109–26.—**Turner, R. W. D.** Observations on malaria in Italy (1943–44) Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 7–12.—**Whittemore, F. W.,** jr. Malaria eradication and related problems in Italy. Armed Serv. Rcs. Rep. Insect & Rodent, 1948, No. 3, 91.

MALARIOLOGY.

See also **Malaria; Malariography.**

Germany. Heer. Sanitätsinspektion. Malaria; Klinik, Behandlung und Vorbeugung. 80p. 21cm. Berl.[?] 1941.

Woodworth, W. W., Gilbert, F. J. [et al.] Pharmacology and malariology in Japan; civilian and naval. 120p. 25½cm. [n. p.] 1946.

Forms No. M–12, Med. Targets.

Chloupek, D. Aktuelni problemi savremene malariologije. Voj. san. pregl., Beogr., 1947, **4:** 241–55.—**Fairley, N. H.** Wartime research on malaria and other tropical diseases of military significance. Fight against Dis., Lond., 1947, **35:** 2–19.—**Farrell, E.** Duties of the military malariologist. Mil. Surgeon, 1946, **99:** 15–21.—**Katuno, K.** Malaria ni kan-suru ni-san no kenkyū [A few studies of malaria] Gun idan zassi, 1925, No. 139, 54; No. 140, 198.—**McCauley, R. H.,** jr. Malaria education in Arkansas. Malaria Control in War Areas, 1946, Jan., 1–6.—**Malaria** investigations at the Emory University Field Station. Ibid., 1945, Feb., 1–10.—**Piedrola Gil, G.** Recientes adquisiciones en paludología: su aplicación en colectividades. Med. & cir. guerra, 1946, **8:** No. 14, 1–24.—**Practical** (A) field training course for Public Health personnel. Malaria Control in War Areas, 1946, April, 1–15.—**Russell, P. F.** Lessons in malariology from World War II. Am. J. Trop. M., 1946, **26:** 5–13.—**Training** aids. In: Malaria Control in War Areas, Atlanta, 1945–46, 49–54.—**Van Auken, H. A.** Malaria Commission. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 66.—**Wartime** research in malaria. Science, 1946, **103:** 8.

MALAYA.

See **Medical Corps; World War II.**

MALAYSIA.

See **World War II.**

MALDIVE Islands.

See **World War II.**

MALINGERING.

See also such terms as **Medical examination; Mutilation,** etc.

Derblich, W. [Die simulirten Krankheiten der Wehrpflichtigen] Des maladies simulées dans l'armée et des moyens de les reconnaître. 247p. 8° Par., 1883.

Avdeev, M. Simuljacija. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 115.—**Benedek, T.** The hair as circumstantial evidence in a case of malingering. J. Invest. Derm., 1947, **9:** 55–61.—**Escalada, O. O.** Simulación de la sordera; diferentes pruebas para descubrirla. Rev. san. mil., B. Air., 1944, **43:** 1652–9.—**Gandullo Solsona, L.** Comprobación de simulaciones en las enfermedades del aparato de la audición, incluídas en el cuadro de inutilidades. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 602–10.—**Harbert, F.** Functional and simulated deafness. U. S. Nav. M. Bull., 1943, **41:** 458; passim.—**How** to keep out of the Army. Canad. M. Ass. J., 1943, **48:** 270.—**Hunt, W. A.** The detection of malingering; a further study. U. S. Nav. M. Bull., 1946, **46:** 249–54.—**Jaeger, H.** Artefact et service militaire. Praxis, Bern, 1948, **37:** 33. Also Rev. méd. Suisse rom., 1948, **68:** 249.—**Lírio Teixeira, N.** Simuladores de doenças sob o ponto de vista médico-militar. Impr. méd., Rio, 1945–46, **21:** No. 383, 89–93.—**Ludwig, A. O.** Malingering in combat soldiers. Bull. U. S. Army M. Dep., 1949, **9:** Suppl., 26–32.—**Masmonteil, F., & Bonnaud, M.** Deux cas d'affections provoquées. Bull. Soc. chir. Paris, 1942–43, **33:** 86.—**Menninger, W. C.** Malingering. In his Psychiat. in a Troubled World, N. Y., 1948, 210–21.—**Otken, F. D.** Simulatie als oorlogswapen. Ned. tschr. geneesk., 1946, **90:** 1088.—**Vulliet, M.** Le manuel du parfait simulateur militaire. Rev. méd. Suisse rom., 1944, **64:** 55–65.—**Zucchi, C. A.** Di due casi de edema provocato curati con l'applicazione di apparecchi gessati. Gior. med. mil., 1949, **96:** 89–95.

MALLEOMYCES.

See under **Glanders.**

MALNUTRITION.

See also **Famine; Nutrition;** also **Disease**—by specific types: Deficiency disease; also **Vitamin deficiency.**

Fleisch, A. Ernährungsprobleme in Mangelzeiten; die schweizerische Kriegsernährung 1939–1946. 518p. 24½cm. Basel, 1947.

Simonart, E. F. Contribution à l'étude de la dénutrition de guerre. 262p. 26½cm. Brux., 1945.

Aoki, T. Kiga oyobi man-sei densen-byō ni yoru hukuin-sya bōken rei no sōkatu-teki kansatu [Autopsy cases of persons demobilized because of starvation and chronic infectious disease] Tr. Soc. path. jap., 1946, **35:** 11. —— **Hara, Y.** [et al.] Iwayuru sensō eiyō-sittyō-syō ni okeru syo-zōki no byōri-kaibōgaku-teki narabi-ni byōri-sosikigaku-teki kenkyū [Pathologico-anatomical and histo-pathological studies on various organs in malnutrition resulting from war] Ibid., 1947, **36:** 13; passim.—**Caloric** undernutrition in man. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **3:** 11–4.—**Dairo Quiroz, J.** Contribución a propósito de la observación de enfermedades por carencia alimenticia en las tropas de guarnición y en campaña. Rev. san. mil., Asunción, 1944, No. 140, 5–28.—**Dembo, A. G., Nazarova, E. T., & Shćerba, M. L.** O tak

nazyvaemoj vtoroj volne alimentarnogo istoščenija. Voen. med. J., Moskva, 1947, No. 6, 9–16.—**Gelstein, E.** Alimentarnaja distrofija. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 112–23.—**Lara, C. B.** Reminiscences of wartime civilian medical practice; malnutrition and avitaminosis. J. Philippine M. Ass., 1947, **23:** 299–305.—**Lesné, E., & Richet, C.** Le déficit alimentaire dans la région parisienne. J. méd. Paris, 1946, **66:** 85.—**Metcoff, J., & McQueeney, A. J.** Clinical malnutrition in Italy in 1945; nutritional status of selected population groups. N. England J. M., 1946, **235:** 451–60.—**Mettrop, G.** Remarks on the physical recuperation of Dutch children. Internat. Child Welf. Rev., Genève, 1947, **1:** 155–8.—**Mouriquand, G.** A propos des graves dénutritions actuelles; remarques biocliniques sur l'athrepsie et le terrain athrepsique. Presse méd., 1945, **53:** 441.—**Nakazima, S.** Iwayuru sensōeiyō-sittyō-syō kanzya no eiyō siken ni tuite [Nutrition experiments with sufferers from wartime malnutrition] Gun idan zassi, 1943, 1311–20.—**Petrov, I.** Golodanie. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 103.—**Ruffin, J. M., & French, C. E.** The nutritional state of the civilian population of Stuttgart, Germany. South. M. J., 1946, **39:** 112–7.—**Sala, U.** Effetti dell'alimentazione di guerra sullo stato di salute delle madri nutrici e dei bambini. Igiene & san. pubb., 1946, **2:** 64–71.—**Suksov, M. G.** Izmenenija centralnoj i periferičeskoj nervnoj sistemy pri alimentarnoj distrofii. Voen. med. J., Moskva, 1947, No. 2, 33–48.—**Užinova, E. P.** [Blood transfusion to emaciated patients] Voen. san. delo, 1943, No. 10, 50.—**Veen, A. G. van.** Malnutrition in Java during the Japanese occupation. Proc. Nutrit. Soc., Cambr., 1946–47, **5:** 280–2.

MALTA.

See **World War I; World War II.**

MANAGEMENT.

See under **Administration; Hospital administration.**

MANCHURIA.

See under **World War II.**

MANCHURIAN affair (1931)

See **Wars and campaigns.**

MANDIBULA.

See also **Jaw.**

Campo, J. Adamantinoma de mandíbula. Med. & cir. guerra, 1949, **11:** 345.—**Fernandes, A. P.** Epitelioma adamantino do maxilar inferior. Arq. brasil. med. nav., 1949, **10:** 1523–37, 6 pl.—**Laskowski, E. J.** Conservative treatment of prognathous mandible. Bull. U. S. Army M. Dep., 1946, **5:** 481.—**Sarkin, S. K.** Repositioning of the mandible by adjustment of occlusion. U. S. Nav. M. Bull., 1949, **49:** 542.—**Taylor, R. W., & Huebsch, R. F.** Dentigerous cyst; a case report. Ibid., 1947, **47:** 696–8.—**Wolf, H.** Untersuchungen über den Bau des Canalis mandibularis nebst Folgerungen für die orthopädische Wiederherstellungschirurgie. Atti Congr. europ. chir. plast. guerra (1942) 1943, 119–27.

—— Injury.

See also **Surgical technic,** maxillo-facial.

Crowe, W. W. Fixation of mandibular fractures with report of three cases. U. S. Nav. M. Bull., 1948, **48:** 278–86.—**Denen, H. E.** Prosthetic restoration following shrapnel injury of mandible. Ibid., 1946, **46:** 1732–6.—**Florence, D. E.** Fractures of the mandible in peace and war. Oral Health, Toronto, 1941, **31:** 345–52.—**Gerry, R. G.** Adjustable appliance for intra-oral immobilization of fractures of the mandibular angle. U. S. Nav. M. Bull., 1947, **47:** 719–24.—**Liedman, S. C.** The treatment of fractures of edentulous mandibles; a review. Ibid., 1948, **48:** 415–33.—**Machicote, A. J.** Fractura del maxilar inferior; nuestra experiencia en el medio militar. Rev. san. mil. argent., 1948, **47:** 100–7.—**Moreno, R. E.** Fracturas del maxilar inferior. Rev. san. mil., B. Air., 1946, **45:** 1407; passim.—**Talbot.** Un procédé simple, doux et efficace de réduction des luxations du maxillaire inférieur. Bull. Soc. méd. mil. fr., 1948, **42:** 127.—**Tosima, S.** Kesson-sei gakkotu kossetu kanzya ni tai-suru kotu-isyoku syuzyutu ni yoru ketueki narabi-ni daeki no henka ni tuite [Changes in the blood and in the saliva of the patient with fracture of the mandible, with loss of bone, caused by a bone-grafting operation] Kōkūbyōgakkai zassi, 1941, **15:** 495.

MANEUVERS.

See also **Camp.**

Castex, M. R., Orosco, G., & Capdehourat, E. L. Importancia del aprovisionamiento de alimentos frescos al ejército en maniobras con aviones de gran tonelaje. Prensa méd. argent., 1940, **27:** pt 1, 177–9.—**Felkai, D.** Csapatgyakorlatok elé. Honvédorvos, 1950, **2:** 369–71.—**Knight, A. W.** With the Red Cross on maneuvers. Red Cross Courier, 1941–42, **21:** No. 5, 2–6.—**Leonardov, B.** Manevry. In: Bolsh. med. encikl., 1931, **16:** 697–702.—**Meyerhardt, M. W.** The war-game; a pastime of the German army-officer. Pedag. Semin., Worcester, 1915, **22:** 501–9.—**Nakazima, S.** Sakusen kōdō no tairyoku narabi-ni nyō-tyū vitamin C-ryō ni oyobosu eikyō ni tuite [The effect of the action involved in military maneuvers on bodily strength and on the vitamin C content of the urine] Gun idan zassi, 1943, 849–53.—**Paul.** On maneuvers. Army Doctor, 1942, **1:** No. 5, 12.—**Penhallow, D. E.** Meditations on a march through the deep South. Mil. Surgeon, 1941, **89:** 616–20.—**Santos y Ascarza, E.** Maniobras militares en los montes de León. Bol. farm. mil., Madr., 1934, **12:** 332.

—— medical.

Bakatel, H. S. The medical side of the Connecticut war maneuvers. Med. Times, N. Y., 1912, **40:** 285–7.—**Csonka, I.** Milyen munkát végez a csapatorvos csapatgyakorlatokra való előkészítésben. Honvédorvos, 1950, **3:** 709–13.—**Felkai, D.** Hogyan készüljünk a csapatgyakorlatokra. Ibid., 706–8.—**Gager, L. T.** A station hospital during the Louisiana maneuvers. Mil. Surgeon, 1942, **90:** 609–20.—**Grissinger, J. W.** Medical aspects of First Army maneuvers at Pine Camp, N. Y., August, 1935. Ibid., 1936, **79:** 267–79.—**Grosso Soto, F.** Juego de guerra para el personal de sanidad, realizado el 25 de Septiembre de 1939. Rev. san. mil., B. Air., 1939, **38:** 844–9.—**Gurjian, L. K.** Observations of a medical officer at the recent Plattsburg maneuvers. Mil. Surgeon, 1940, **86:** 45–52.—**Hilton, D. C.** Medical department lessons from the Fourth Army maneuvers, 1937. Ibid., 1939, **84:** 115; 206.—**Kantor, J. L.** Experience with a medical service during the First Army maneuvers of 1939. Ibid., 1940, **87:** 163–70.—**Linthicum, E. S.** The divisional medical service with special reference to the National Guard and Army maneuvers. Ibid., 1938, **83:** 536–41.—**Penhallow, D. P.** Comments on the First Army maneuvers in New York. Ibid., 1941, **89:** 13–7.—**Radó, G.** Egészségügyi döntnökök munkája a csapatgyakorlatokon. Honvédorvos, 1950, **3:** 22–6, illust.—**Reynir, Y. de.** L'exercice du Service de santé aux manoeuvres de la Br. 4 renforcée le 14/15 mai 1935. Vjschr. schweiz. Sanitätsoff., 1935, **12:** 70–4.—**Williams, W. C., & McGinnes, G. F.** Plans for handling special health and other problems incident to the Army maneuvers in Tennessee. Pub. Health Rep., Wash., 1941, **56:** 2065–71.—**Woodhouse, T. P.** Note for guidance in the writing of medical appreciations [of war games] J. R. Army M. Corps, 1912, **19:** 56–67.

—— Sanitation.

Brown, R. T. Sanitary report of manoeuvers, Burma Division, 1912. J. R. Army M. Corps, 1913, **20:** 311–33.—**Fineberg, M. H.** A survey of the accidents resulting from Army maneuvers with recommendations for their prevention. Mil. Surgeon, 1942, **91:** 75–81.—**Sanitation** during the maneuvers. In: Prev. Med. in World War II, Wash., 1948, **6:** 20–2.—**Schmiedicke.** Ueber Brunnenanlagen bei Truppenübungen. Deut. mil. ärztl. Zschr., 1906, **35:** 66–72.

—— veterinary.

Dildine, S. C. Veterinary activities—Second Army maneuvers. Vet. Bull., Wash., 1936, **30:** 292–303.—**Egan, H. E.** Veterinary service, Third Army Reserve Maneuver, Fort Francis E. Warren, Wyo. Vet. Bull., Carlisle, 1939, **33:** 105–12.—**Stewart, R. B.** Fourth Army maneuvers. Vet. Bull., Wash., 1938, **32:** 42–53.

MANGE.

See also **Horse,** Disease.

Miquel, P. A propos d'une épizootie de gale sarcoptique équine. Rev. vét. mil., Par., 1948, **3:** 178–97.—**Pujos, R.** Traitement dans l'armée des gales du cheval par le benzoate de benzyle. Ibid., 1947, **2:** 246–9.

MANILA Bay.

See under **World War II.**

MANIPULATIVE therapy.

See under **Massage;** also **Surgical technic.**

MANOMETER.

Bierman, H. R., & Hellems, H. K. A wire resistance strain gage for measuring physiological pressure phenomena. 2p. 8° Bethesda, 1946.
Forms Rep. No. 9, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

Cahoon, D. H. Modification of the Hamilton optical manometer for use in the altitude chamber. 12 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 163, U. S. Air Force School Aviat. M.

—— [The same] 1p. 28cm. Wash., 1943.
Forms Rep. No. 210, Com. Aviat. M. U. S. Nat. Res. Counc.

MANPOWER.

See also **Dentist**, Defense role: **Physician; Preparedness; Scientist.**

Building man-power in Nazi Germany. J. Am. Diet. Ass., 1942, **18:** 24.—**Child** conscription in Nazi Germany; they will never again be free. Australas. J. Pharm., 1942, **23:** 93.—**Cuber, J. F.** The college youth goes to war. Marriage & Family Liv., 1943, **5:** 5–7.—**Man** power of the nations at war. J. Am. M. Ass., 1942, **118:** 464.—**Mansell, R. A.** Man-management. J. R. Army M. Corps, 1942, **79:** 69–76.—**Morris, G. T. L. F., & King, J. E. A.** Man-power deployment. Brit. J. Phys. M., 1947, **10:** 70–4.—**Routley, T. C.** More man power. Canad. M. Ass. J., 1941, **45:** 550.—**Scientific** utilization of man-power. Nature, Lond., 1942, **149:** 531–4.—**Yūsei** hogo no kakki-teki seisaku zyuritu; zin-teki sigen no kyōka-saku tosite kitai [... eugenic protection ... for man-power resources] Yuseigaku, 1939, **16:** No. 8, 14.—Zin-teki sigen kakuzyū ni yō-suru kihon tyōsa [The fundamental investigation essential to the expansion of man-power resources] Ibid., 13.

—— Demographic aspect.

See also **Infant mortality; Morbidity; Mortality; Statistics.**

STEWART, M. S. The coming crisis in manpower. 32p. 21cm. N. Y., 1942.

Balance (The) of births and deaths in the war years. Statist. Bull. Metrop. Life Insur., 1946, **27:** No. 6, 3–5.—**Burgdörfer, F.** Bevölkerungsentwicklung und Wehrkraft. Allg. statist. Arch., 1936, **26:** 129–53.—**Kovács, A.** A világháború és az emberanyag. Magy. statiszt. szemle, 1942, **20:** 183–8.—**Novoselsky, S.** Demografia. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 418–24.—**Procházka.** Některé válečné zkušenosti hygienické a demografické. Cas. lék. česk., 1917, **56:** 129–32.—**Total** United States population, estimated objective armed force and labor force. Welf. Bull., Springf., 1942, **33:** No. 10, 24, ch.—**Valois, A. B.** Evaluation de la population en temps de guerre. Union méd. Canada, 1944, **73:** 1189–94.

—— medical.

See also **Medical officer**, Procurement; **Medical student; Physician**; also under names of specialists.

Allocation of medical man-power, 1945. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 167–74.—**Blackham, R. J.** Economy of medical man-power. Brit. M. J., 1942, **1:** 240.—**Burges, R. C. L'E.** Medical man-power. Ibid., 1941, **2:** 927.—**Economy** of medical man-power. Ibid., 1942, **1:** 52.—**Henderson, R. G.** Medical man-power. Ibid., 424.—**Hukayama, T.** Zin-teki senryoku to isi no simei [Man-power for war purposes and the duties of medical practitioners] Nippon rinsyo, 1943, **1:** 752.—**McCurrich, H. J.** Economy of medical man-power. Brit. M. J., 1942, **1:** 126; 311.—**Medical** and dental man power. Med. Off., Lond., 1941, **66:** 47.—**Medical** man-power. Brit. M. J., 1941, **1:** 559. Also Lancet, Lond., 1942, **1:** 273.—**Medical** man-power and accommodation in medical units. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 167–84.—**Medical** man-power and alien doctors. Brit. M. J., 1941, **1:** 801.—**Medical** manpower hearings; performance of Senator Pepper's hearings is not likely to improve the morale of American medicine [Editorial] Delaware M. J., 1942, **14:** 243 (Abstr.)—**O'Brien, E. J.** The Pepper hearings on medical manpower. J. Am. M. Ass., 1942, **120:** 1414.—**Pepper** (The) hearings on medical manpower. Ibid., 840; 922; 1401.—**Pepper** (The) subcommittee hearings on medical manpower. J. Florida M. Ass., 1942–43, **29:** 280.—**Peters, J. P.** The quality of medical manpower. Med. Care, 1943, **3:** 15–8.—**Problems** of medical manpower. J. Am. M. Ass., 1942, **120:** 1308.—**U. S.** Senate Committee on Education and Labor; report of hearings held before a subcommittee of which Senator Claude Pepper is chairman. Ibid., 927–7.

—— National health aspect.

See also **Preparedness**, Fitness; **Recruit; Recruiting; Rejection; War hygiene.**

Coil, E. J. Quality of population as necessary for national defense. J. Hered., 1941, **32:** 97–9.—**Conti.** Volksgesundheit als Kriegswaffe. Deut. Aerztebl., 1940, **70:** 291.—**Freund, H.** Volksgesundheit und Wehrkraft. Militärarzt, Wien, 1907, **41:** 140; 150.—**Gütt, A.** Volksgesundung und Wehrkraft. Arch. Rassenb., 1936, **30:** 193–206, portr.—**Kuh, C., & Hanman, B.** Current developments affecting the physician's role in man power utilization. J. Am. M. Ass., 1944, **125:** 265–70.—**Meehan, J. W.** Health of the nation's manpower. Army M. Bull., 1941, No. 57, 13–7.—**Robinson, G. C.** Health problems in national defense. Am. J. Pub. Health, 1941, **31:** 969–76.—**Smitt, J. W.** Man-power problemet i medicinen. Ugeskr. laeger, 1948, **110:** 895–7.—**Van Etten, N. B.** Health and national defense. Med. Ann. District of Columbia, 1941, **10:** 121–6.

—— Problems.

See also **Hospital staff; Industrial worker; Physician,** Shortage.

CORBUSIER, H. D. The conservation of man power for war. 11p. 19½cm. Santa Fe, 1943.

Bjornaraa, D. Manpower problems in the professional fields. Minnesota M., 1944, **27:** 453–5.—**Brandt, K.** Is Germany exhausting her man power? Foreign Affairs, 1942–43, **21:** 21–33.—**Conservation** of human resources in wartime. J. Speech Disord., 1942, **7:** 174, 178.—**Corbusier, H. D.** The conservation of man power for war. J. Internat. Coll. Surgeons, 1944, **7:** 108–15.—**Flinn, R. H.** Maximum use of manpower. In: Man. Indust. Hyg. (U. S. Pub. Health Serv.) Phila., 1943, 383–94.—**Greenly, R. J.** Manpower survey to determine basis of industrial mobilization. Proc. Indust. Hyg. Found. America. 1942, 7. meet., 194–6.—**McNutt, P. V.** Manpower conservation. Ibid., 6–12.—**Palmer, R. R.** The manpower crisis of the summer of 1942. In: U. S. Army in World War II, Wash., 1947, AGF 1: 206–8.—**Schwitalla, A. M.** Manpower, supplies, and equipment. Hosp. Progr., 1943, **24:** 7–12.—**Switzer, M. E.** The war manpower problems in hospitals. Ibid., 199–204.—**Tice, J. W.** Current problems in medical man power for the Armed Forces, hospitals, and the civilian population. Bull. Am. Coll. Surgeons, 1944, **29:** 173–6.—**War** Department conserves manpower. Army Navy Reg., 1943, **64:** 20.—**Ward, F. G.** Man-power conservation; rehabilitation and reclassification in the Royal Navy. In: Interallied Conf. War Med. (1942–45) 1947, 58–60.

MARCH.

See also **Fatigue; Gait; Troop movement.**

MANN, W. L., jr. Hygiene and sanitation of the march. 26p. 4° Wash., 1937.

Bril, M. T., Geft, B. B. [et al.] Klinika, profilaktika i lečenie potertostej nog u bojcov RKKA. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 25.—**Collier, G. A.** March discipline. J. R. Army M. Corps, 1926, **47:** 268–74.—**Cúneo, M.** Notas sobre higiene de las marchas; la fatiga. Rev. san. mil., Lima, 1936, **9:** 108–14.—**Gladstein, S.** Lesisto-bolotistaja mestnost. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 472–6.—**Izard, L., & Des Cilleuls, J.** Les facteurs de la fatigue de la troupe en opérations; les accidents au cours des marches. Rev. hyg., Par., 1931, **53:** 731–42.—**Kreglinger.** Sportärztliche Winke für den Truppenarzt zur Verbesserung der Marschleistung und Haltung der Truppe. Deut. Aerztebl., 1936, **66:** 371.—**Krotkov, F.** Marsh. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 652–76.—**Maksimenko, S.** Pitjevoj režim na marshe. Ibid., **4:** 535–7.—**Składkowski, S.** Lekarz bataljonowy; marsz. Lek. wojsk., 1920, **1:** No. 25, 12–6.—**Skvorcov, V. V.** Osnovnye voprosy medicinskogo obespečenija maršа. Voen. med. J., Moskva, 1947, No. 7, 27–34.—**Voitenko, M.** Kolonna. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1366.

MARCH fracture.

See also **Fracture,** Fatigue fracture.

BAUSZUS, G. W. G. *Marsch- und Exerzierschäden; nach neueren ätiologischem Gesichtspunkt [Berlin] 19p. 21cm. Gumbinnen, 1937.

Allen, W. E. Fatigue fracture of the metatarsal; report of a case. Radiology, 1946, **46:** 276–8, illust.—**Arandes Adan, R.** A propósito de un caso de enfermedad de Deutschländer bilateral. Rev. españ. reumat., 1949, **3:** 31–5.—**Bong, A.** [Fractures of the tarsal bones during forced marches] Polski przegl. radjol. 1935–36, **10:**–**11:** 51–6, pl.—**Breck, L. W., & Higinbotham, N. L.** Fracturas de marcha y nuevo concepto sobre su etiología y método físico de tratamiento. Rev. san. mil., B. Air., 1945, **44:** 766–9.—**Bruk, B. E.** Slučaj dvustoronnej množestvennoj marsevoj stopy. Vest. khir., 1947, **67:** No. 4, 62.—**Childress, H. M.** March fractures of the lower extremity; report of a case of march fracture of a cuneiform bone. War Med., Chic., 1943, **4:** 152–60.—**Deww, W. A., & Wooten, J. H.** Fracturas de marcha. Rev. san. mil., B. Air., 1945, **44:** 761–5.—**Donald, J. G., & Fitts, W. T.,** jr. March fractures; a study with special reference to etiological factors. J. Bone Surg., 1947, **29:** 297–300.—**Gray, P. H. K.** March fracture. J. R. Nav. M. Serv., 1941, **27:** 95.—**Hullinger, C. W., & Tyler, W. L.** March fracture; report of 313 cases. Bull. U. S. Army M. Dep., 1944, No. 80, 72–80.—**Kotucha, R.** O tak zwanych złamaniach marszowych [Fractures resulting from marching] Lek. wojsk., 1949, **25:** 28–32.—**Lance, M.** La métatarsalgie et les deux maladies de Morton. Gaz. hôp., 1948, **121:** 113.—**Markowitz, L. E.** March fracture; its recognition, differential diagnosis and chiropodical management. J. Nat. Ass. Chiropod. 1947, **37:** No. 10, 23–7.—**Proctor, S. E., Campbell, T. A., & Abramson, A. S.** March fracture of the first rib (barrack bags fracture) Bull. U. S. Army M. Dep., 1945, No. 89, 101–5.—**Reinberg, S.** Marševyj perelom. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 676–8, pl.—**Thorell, I.** Om s. k. insufficiensskador på skelettet. Tskr. mil. hälsov., 1949, **74:** 46–8.—

Williams, A. A. March fracture. Brit. M. J., 1940, **2**: 784.—**Windle, R. W.** March fracture. Ibid., 1945, **2**: 232.—**Winge, M.** Et tilfaelde af marchfraktur af calcaneus. Militaerlaegen, 1943, **49**: 32-4.—**Zakharov, I. D.** Marshevaja stopa (bolezn Deutschländer-a) Khirurgia, Moskva, 1948, No. 8, 75–80.

MARCH hemoglobinuria.

See also under **Hemoglobin.**

Otnes, W. Et tilfelle av marsjhaemoglobinuri. Norsk tskr. mil. med., 1932, **36**: 1–3.—**Yanase, T.** Kōgun kessikisonyō-syō no iti rei [A case of march hemoglobinuria] Rinsyo & kenkyu, 1949, **26**: 424–6.

MARETH line.

See under **World War II.**

MARIANAS.

See under **World War II.**

MARINE ambulance.

See under **Ambulance service,** marine.

MARINE Corps.

See also **Amphibious warfare; Dentistry,** Radiology; **Navy medical service.**

McCay, C. M., Catchpole, H. R. [et al.] Nutrition survey of the mess at Marine Barracks, Quantico, Virginia, 13–20 December 1943. 19p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X-184, U. S. Nav. M. Res. Inst.

Marine (The) Corps fights on land and sea. Occupations, 1942–43, **21**: 50–3.—**Raynor, S. N.** The functions and organization of Medical Corps units serving with the Marine Corps in the field. U. S. Nav. M. Bull., 1922, **17**: 59; 220; 771.—**Rozanov, P.** Morskaja pekhota. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1143–5.—**Solomon, P.** Psychiatric preparations for combat in a Marine division. U. S. Nav. M. Bull., 1945, **45**: 310–3. Also In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 81–3.—**U. S.** Marine Corps casualties in World War II. Statist. Navy M., 1948, **4**: No. 8, 4–7.

MARSHALL Islands.

See under **World War II.**

MARTIAL law.

See **Court-martial; Government; Occupation.**

MASK.

See also **Gas mask; Oxygen mask.**

Helm, J. D., jr, Rasmussen, L. H., & Walker, J., jr. Further service tests of the head wound gas mask (M7–11–9) 12p. 27cm. Edgewood Arsenal, 1944.

Forms Rep. No. 8, Med. Div. Chem. Warfare Serv. U. S. Army.

Lein, A. A modified sniff tester for detecting mask leak. 2 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 235, U. S. Air Force School Aviat. M.

Masland, R. L. Evaluation of mask leak testers. 10 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 197, U. S. Air Force School Aviat. M.

United States. Air Force. Aero Medical Laboratory [Wright Field, Ohio] Memorandum report No. ENG–M–49–695–22: Conferences with fabricators of the A–10 Mask and its component parts for the purpose of making necessary changes in its design. 12 l. 26½cm. Dayton, 1942.

Bedini, N., Vesigna, R., & Giuliana, P. Submarine mask. U. S. Patent Off., 1950, No. 2,534,568.—**Bulbulian, A. H.** Mask construction. Ibid., 1946, No. 2,403,046.—**Taylor, M. W.** Underwater breathing mask. Ibid., 1949, No. 2,477,706.

MASK heater.

Holmes, R. G. A–13A Mask Heater, Internal. 10p. 27cm. Dayton, 1946.

Forms No. TSEAA–660–95, Memo. Rep. Aero M. Laborat. U. S. Air Force.

MASSAGE.

See also **Kinesiology; Physical therapy.**

Dagron, G. Massage et mobilisation. p. 29–252. 21½cm. Par., 1909.

In: Kinésithérapie (Carnot, P.) Par., 1909.

LeBaron, F. E. Manipulative therapy in the European Theatre of Operations. J. Am. Osteopath. Ass., 1948–49, **48**: 520–2.

MASTICATION.

See **Dental health,** Defects; **Jaw,** Injury.

MASTOID.

See also **Ear; Head injury,** Cranium.

Albers, G. D. Bezold's mastoiditis; case report. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1**: No. 3, 4–7.—**Borasi, G.** Tre casi di ascesso extradurale. Gior. med. mil., 1948, **95**: 495–8.—**Mastoiditis,** acute. Statist. Navy M., 1947, **3**: No. 5, 6; No. 6, 2.—**Myers, D.** War injuries to the mastoid and the facial nerve. Arch. Otolar., Chic., 1946, **44**: 392–405.—**Poujol.** Un cas de mastoidite postérieure. Bull. Soc. méd. mil. fr., 1948, **42**: 30.

MATANIKAU.

See under **World War II.**

MATÉRIEL.

See also such terms as **Ammunition; Clothing; Drug supply; Equipment; Instrument; Vehicle,** etc.

Stroup, F. P. Conservation. In: Science in War (Philadelphia Coll. Pharm.) 1942, 62–75.

—— medical and sanitary.

See also such terms as **Bandage; Dental instrument; Drug; Equipment,** medical; **Fracture table; Glass; Immune serum,** etc.

Army-Navy catalog of matériel [Preliminary ed.] [v. p.] 28cm. Brooklyn, 1947.

Enemy material; medical. [n. p.] No. 1, 1945–

Bailey, H., & Dick, I. L. Surgical materials and dressings. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 143–54.—**Berlin, P.** Usoveršenstvovanie medicinskogo sostava. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 669–75.—**Blanco.** Services chirurgicaux de grande urgence; le matériel opératoire du campagne. Bruxelles méd., 1933–34, **14**: 1218.—**Campbell, V. W. H.** Army-Navy medical matériel coordination. U. S. Nav. M. Bull., 1947, **47**: 481–93.—**Cureton, M. K.** Medical matériel logistics in the United States Navy. Ibid., 1948, **48**: 353–69.—**Ferloni, A. V. J.** Nuevos modelos de material sanitario y de elementos utilizables en el servicio sanitario de campaña. Rev. san. mil., B. Air., 1946, **45**: 950–67.—**Frank, J.** Paper utensils in war surgery. Mil. Surgeon, 1915, **33**: 29–31.—**La Lombana, J. de.** La actividad fiscal en materia sanitaria. Actas Congr. nac. san., Madr. (1934) 1935, 1. Congr., **3**: 401–18.—**Mizuno, M.** Rikugun no cisei-zairyō ni tuite [Army sanitation materials] Gun idan zassi, 1928, No. 176, 181–216.—**Operacionno-perevjazočnyj** blok. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 22–7.—**Tobold, v.** Ersatzstoffe in der Kriegschirurgie. Beitr. klin. Chir., 1918, **113**:, 254–70.—**Vorchardt, Radike & Schlesinger.** Die Bauart der Bandagen. Kriegsbeschädigtenfürsorge, 1916–17, **1**: 339–59, illust., 9 pl.

MATERNITY care.

See under **Dependent,** Emergency maternity and infant care.

MATTRESS.

See also **Litter.**

Bright, N. Field test of Mattress, Arctic Emergency, Experimental and Mattress, Pneumatic, Type A–3. 27 l. 27cm. Dayton, 1948.

Forms No. MCREXD–670–21J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Butler, R. A. New type pneumatic mattress, experimental. 11p. 27cm. Dayton, 1949.
Forms No. MCREXD-670-22N, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Duggan, T. L. Remedial measures for mildew in mattresses. 7p. 26½cm. Bethesda, 1944.
Forms Rep. No. 3, Res. Proj. X-221, U. S. Nav. M. Res. Inst.

—— & Spealman, C. R. Investigation of mildew in mattresses when encased in bedding bags and exposed to tropical weather conditions; remedial measures. 6p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1 of the preceding project.

Hanselman, N. K. Dimensions of an air foam litter mattress. 3 l. 27cm. Dayton, 1949.
Forms No. MCREXD-670-22P, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Spealman, C. R., Trumper, M. [et al.] Investigation of the suitability of neoprene sponge mattresses for use aboard submarines. 11p. 26½cm. Bethesda, 1944.
Forms Rep. No. 2, Res. Proj. X-221, U. S. Nav. M. Res. Inst.
Also Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 18.
Liebmann, E. Ueber die Herstellung von Strohmatratzen für Militärsanitätsanstalten und Kantonnemente. Schweiz. med. Wschr., 1939, **69:** 1207.—**Mattress** carrier with handgrips. Bull. U. S. Army M. Dep., 1945, **4:** 37.

MAUTHAUSEN.

See under **Internee,** Medical experiences.

MAXILLA.

See also **Jaw; Surgical technic,** maxillo-facial.
Delaney, A. J., & Lesney, T. A. Cystic tumors of the maxilla with report of a case of pseudocholesteatoma. U. S. Nav. M. Bull., 1949, **49:** 59–66.

—— Injury.

Babickaja, E. E. [Application of splints in the army zone and in evacuation hospitals in maxillary fractures] Stomatologia, Moskva, 1940, No. 6, 60–5.—**Brayshaw, H. A.** Maxillary fractures. Mil. Surgeon, 1947, **101:** 436–41.—**Denen, H. E.** Prosthetic restoration following gunshot injury of maxilla. U. S. Nav. M. Bull., 1946, **46:** 1218–21.—**Entin, D. A.** Organisačné methodické základy léčení a evakuace osob s čelistne obličejovým zraněním (transl.) Voj. zdrav. listy, 1949, **18:** 3–5.—**Hoople, G. D.** A simple, effective treatment for certain depressed fractures of the superior maxilla and malar prominence. Med. Bull. U S. Chief Surg. Europ. Theater, 1944, No. 14, 2–4.—**Johnston, B., & Titze, L. O.** Maxillary fracture appliance of new principle and design. Hosp. Corps Q., 1944, **17:** No. 6, 137–9.—**Uljanicky, N. Y.** Universalnaja standartnaja čeljustnaja šina. Voen. san. delo, 1940, No. 6, 97.

MAXILLARY sinus.

See also **Nasal sinus.**
Christiansen, G. W., & Bradley, J. L. Caldwell-Luc operation for chronic suppurative maxillary sinusitis of traumatic origin. Mil. Surgeon, 1945, **96:** 406.—**Ellis, M. R.** Case histories involving roots in the maxillary antrum. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **4:** No. 2, 25.—**Korchin, L.** Removal of root from maxillary sinus and closure of antraoral opening. Med. Bull. U. S. First Army, 1949, **4:** No. 8, 19–21.—**Pimenova.** Travmatičeskie Highmority. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 137.—**Piquet & Barlet.** Les blessures de guerre du sinus maxillaire. Lille chir., 1946, **1:** 85–7.—**Pleasants, J. E.** Cyst in sinus containing supernumerary molar; report of case. Bull. U. S. Army M. Dep., 1944, No. 74, 107–9.—**Sokčić, A.** O ratnim povredama maksilarnog sinusa. Voj. san. pregl., Beogr., 1949, **6:** 24–9.—**Vadala, A. J., & Somers, K.** Knife blade traversing maxillary antrum and remaining in nose six years. Mil. Surgeon, 1948, **103:** 207–10.—**Verlocky, A. E.** Travmatičeskie Highmority. In: Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 213–7.

MEASLES.

See also **Epidemic.**
Hurlbut, H. S. Attempts to establish the virus of measles in laboratory animals by mosquito passage. 4p. 26½cm. Bethesda, 1948.
Forms Rep. No. 2, Res. Proj. NM 005 007, U. S. Nav. M. Res. Inst.

United States. Armed Forces Epidemiological Board. Commission on Measles and Mumps. Report. Wash., 1943/44–
Attempts to establish the virus of measles in laboratory animals by mosquito passage. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 7.—**Bauer, F. K., & Watkins, J. H.** Measles. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 55.—**Candel, S.** Acute nonspecific thyroiditis following measles; report of a case. U. S. Nav. M. Bull., 1946, **46:** 1109–13.—**Dub, S. L., Kartman, M. K., & Shor, G. A.** Korj v uslovijakh vojny i evakuacii v 1941–42 gg. Pediatria, Moskva, 1945, No. 4, 49.—**Measles** (rubeola) Med. Bull. U. S. First Army, 1948, **3:** 5.—**Melnotte, P.** L'épidémie de rougeole du camp de Baumholder (1946) son évolution, ses enseignements. Rev. Corps san. mil., Par., 1947, **3:** 1–42.—**Rougeole.** Statist. méd. Armée (France) (1894) 1896, 76–85, map.—**Sanmartino, R. O. L.** Inmunización práctica contra el sarampión. Rev. san. mil. argent., 1948, **47:** 290.—**Thomas, M. P., & Knutson, D. L.** The relationship between measles and tuberculosis. U. S. Nav. M. Bull., 1947, **47:** 617–21.—**Youngkin, C. K., Nunemaker, M. E.** [et al.] Measles epidemic on Guam. Ibid., 1949, **49:** 950–6.

MEAT.

See also **Food; Food supply; Meat inspection.**
Bradley, F. Horse meat in War. Congres. Rec., 1943, **89:** A1569.—**Meat** products deterioration. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 369.—**Meats,** cured and smoked. Ibid., 317.—**Meats,** frozen. Ibid., 315.—**Mercier, J.** La fabrication actuelle des conserves de boeuf assaisonné destinées à l'armée. Rev. vét. mil., Par., 1948, **3:** 159–77.

MEAT inspection.

See also **Abattoir; Food inspection.**
Bucher, J. *Bases légales de l'inspection des viandes en Alsace-Lorraine avant, pendant et après l'occupation allemande. 49p. 23½cm. Lyon, 1947.
Ahmed, S. M. Meat inspection in India Command. J. R. Army Vet. Corps, 1947–48, **19:** 72–5.—**Analysis,** laboratory inspection and storage of dairy and meat products. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 165.—**Wells, E. A.** Extracts from a report on meat inspection at Nairobi abattoir. J. R. Army Vet. Corps, 1949, **20:** 116–8.

MECHANIZATION.

See also **Motorization;** also such terms as **Armored cavalry; Armored division,** etc.
Atkins, R. R. G. The problem of mechanization as it affects the medical service. J. R. Army M. Corps, 1938, **70:** 321–7.—**Dyke, L. M.** Care of casualties in mechanized units. Bol. As. méd. Puerto Rico, 1942 **34:** 17–23.—**Gorssline, R. M.** The medical service and mechanized formation. Canad. M. Ass. J., 1939, **41:** 454–7.—**Hendricks, C. M.** Mechanized medical units. Mil. Surgeon, 1940, **87:** 311–6.—**Is** complete mechanisation an advantage? Vet. J., Lond., 1942, **98:** 106.—**Shaw, C. G.** Medical organization with mechanized formations. Med. J. Australia, 1938, **1:** 699–701.—**Wright, Q.** The influence of military mechanization upon war costs. In his Study of War, Chic., 1942, **1:** 673–6.

MECKEL'S diverticulum.

See under **Ileum.**

MEDAL.

See under **Award; Decoration.**

MEDIASTINUM.

See also **Esophagus; Heart; Thorax.**
Bradfield, J. Y., & Shepardson, R. B. Spontaneous mediastinal emphysema; report of a case. U. S. Nav. M. Bull., 1949, **49:** 576–9.—**Brown, R. B.** Bronchiogenic cysts of the mediastinum; report of a case. Ibid., 1948, **48:** 107–12.—**Crandell, W.** Surgery of mediastinal tumors. Bull. U. S. Army M. Dep., 1948, **8:** 372–8.—**Dimond, E. G., Root, B., & Delp, M. H.** Mediastinal emphysema secondary to brachial plexus block. Ibid., 1947, **7:** 718–21.—**Sosa Bens, D. F.** Enfisema mediastínico con neumotórax en un recién nacido. Bol. Hosp. milit., Habana, 1948, **1:** 39–44.—**Vine, R. S.** A remarkable case of mediastinal neoplasm. J. R. Army M. Corps, 1946, **87:** 87–91.

MEDICAL administration.

See **Administration.**

MEDICAL Administration Corps.

See also **Medical Service Corps.**

Dunham, G. C., & Standlee, E. Technical or special training of administrative officers of the medical service. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 289–315 [Discussion] Proc., 219–29.—**One** thousand medical administrative officers a month at Camp Barkeley. J. Am. M. Ass., 1943, **121:** 437.

MEDICAL battalion [incl. higher units]

See also **Ambulance Corps; Clearing company; Collecting platoon;** also **Battalion; Brigade; Company,** Medical company; **Division,** infantry; **Regiment.**

Breisler, M. M. Mediko-sanitarnyj bataljon, lećebnaja i ućebnaja baza divizii. Voen. san. delo, 1941, No. 2, 38–40.—**Fedorovich, D. P.** [The work of the medical-sanitary battalion] Sovet. med., 1941, **5:** No. 6, 41.—**Gasperowicz, A.** O pracy batalionu sanitarnego dywizji piechoty [Sanitary unit of the infantry] Lek. wojsk., 1948, **24:** 3–27.—**Georgievsky, A.** Mediko-sanitarnyj eskadron. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 712.—**History** of the 108th Medical Regiment Illinois National Guard. Mil. Surgeon, 1937, **81:** 69–73.—**Ierusalimsky, P. I.** Rabota medicinskoj roty mediko-sanitarnogo bataljona strelkovoj divizii v boevykh uslovijakh. Voen. san. delo, 1940, No. 5, 32–7.—**Jackson, H. D.** History of the 112th Medical Regiment, Ohio National Guard. Mil. Surgeon, 1938, **82:** 402–15.—**Karpećenko, L.** Mediko-sanitarnyj bataljon. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 709–11.—**Kasich, M.** The training schedule of the 8th Medical Regiment, R. A. I. Mil. Surgeon, 1938, **82:** 131–4.—**Kekalo, B. V.** [The work of a medical-sanitary battalion] Voen. san. delo, 1942, No. 6, 31–5.—**Kirk, N. J.** Organization and function of the Medical Regiment. Mil. Surgeon, 1936, **78:** 282–7.—**Newell, H. A.** History of the 105th Medical Regiment, National Guard, Thirtieth Division. Ibid., **79:** 480–2.—**One** hundred and thirty fourth (The) Medical Regiment at Fort Bragg (officers on duty) J. Am. M. Ass., 1941, **116:** 1651.—**Scheidegger, H.** The medical battalion; a brief outline of its organization and function. Hosp. Corps Q., 1927, **11:** 141–62.—**Skladkowski, S.** Lekarz bataljonowy; wstęp. Lek. wojsk., 1920, **1:** No. 23, 12–4. ——— Lekarz bataljonowy; stosunek do przełożonych i podwładnych. Ibid., No. 24, 13–9.—**Special** training for medical battalions. Mil. Surgeon, 1942, **91:** 361.—**Ulen, F. G.** Establishment of a dental section in the Medical Battalion of marine divisions of the Fleet Marine Force. U. S. Nav. M. Bull., 1944, **42:** 581–3.—**Wolfović, M.** Brigada khirurgićeskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 549–52.—**Zuver, P. E.** Standing operation procedure for a medical battalion (peace strength) Army M. Bull., 1940, **53:** 52–8. Also Mil. Surgeon, 1940, **87:** 64–8.

MEDICAL Cadet Corps.

See **Cadet Corps.**

MEDICAL care.

See also **Dental care; Dependent,** Medical care; **Fee; Medical service; Navy Medical Service; Prisoner of war,** Medical care.

New York, N. Y. Commerce and Industry Association of New York. Doctor, nurse, and GI Joe. 20p. 28cm. N. Y., 1945.

Entitlement to medical treatment; Ireland. Arch. méd. belges, 1936, **89:** Bull. internat., 476–8.—**Medical** care in war. N. Orleans M. & S. J., 1941–42, **94:** 449.—**Reciprocal** medical and hospital care of members of the Armed Forces of the United States and Canada when furnished by available facilities under the jurisdiction of their respective services. Hosp. Corps Q., 1943, **16:** No. 3, 277.

—— Civilian treatment.

Bills of civilian physicians and hospitals for treatment of military personnel. J. Am. M. Ass., 1943, **122:** 680.—**Booher, N. R.** Civilian physicians and the soldier. J. Indiana M. Ass., 1943, **36:** 161.—**Civilian** (The) doctor and the sick soldier. J. Iowa M. Soc., 1943, **33:** 230.—**Civilian** treatment for men serving with the forces. Brit. M. J., 1940, **1:** Suppl., 61.—**Durfee, M. L.** Medical coverage for Army trainees. J. Lancet, 1943, **63:** 330.—**Medical** treatment of Army personnel by civilian doctors. Brit. M. J., 1940, **1:** Suppl., 23.—**Medical** treatment by civilian doctors of men serving with the forces. Ibid., 1939, **2:** Suppl., 249.

—— Combat zone and front.

See **Combat,** Medical service.

—— Veterans.

See also **Disabled,** Medical and health service.

Rorem, C. R. Medical care of the veteran; a memorandum submitted to the officers of the Julius Rosenwald Fund. 26 l. 4° [n. p.] 1932.

Adams, W. Medical and hospital care of the veterans in Massachusetts. N. England J. M., 1948, **238:** 107–9.—**Andrews, J. N.** When the veteran returns; medical and other problems. Clin. Med., 1945, **52:** 235–9.—**Black, B. W.** We must be prepared to care for the veterans of World War II. Mod. Hosp., 1943, **61:** No. 3, 81.—**Brooks, O.** Expansion of the medical idea in veterans' organization. Illinois M. J., 1940, **77:** 224–7.—**Connecticut** plan for medical care of veterans. Connecticut M. J., 1946, **10:** 998–1000.—**Covalt, D. A.** The care of the veteran South. Hosp., 1946, **14:** No. 9, 43–7.—**Crockett, F. S.** The American Medical Association; its duty to its members and to the nation's veterans of the world war. Illinois M. J., 1934, **66:** 353–8.—**Eastwood, E.** Medical care of veterans. West Virginia M. J., 1946, **42:** 279–82.—**Fishbein, M.** Hospital and medical care of veterans from the viewpoint of the doctor. Minnesota M., 1932, **15:** 647.—**Forsythe, W. E., & Murphy, M.** The veteran in the college health program. Proc. Am. Student Health Ass., 1946, **24:** 51.—**Fowler, F.** The medical care of veterans. Bull. M. Soc. Co. Monroe, 1946–47, **4:** 317–20.—**Fredrickson, F. O.** The veterans' organizations and the medical profession. Illinois M. J., 1933, **64:** 523–5.—**Harding, J. C.** Problems related to the medical care of veterans. Connecticut M. J., 1946, **10:** 921–4. ——— Highlights and problems related to medical care of veterans. J. Missouri M. Ass., 1946, **43:** 381–3.—**Hawley, P. R.** Medical care for veterans. Illinois M. J., 1945, **88:** 294–6.—**Howard, J. H.** Medical care of veterans. Connecticut M. J., 1945, **9:** 986–8.—**Ijams, G. E., & Matz, P. B.** History of the medical and domiciliary care of veterans. Mil. Surgeon, 1935, **76:** 113–33.—**Kracke, R. R.** The role of the medical college in the medical care of the veteran. J. M. Ass. Alabama, 1949–50, **19:** 225–30.—**McCarthy, D.** Medical care for veterans. J. Omaha Clin. Soc., 1948, **9:** 16.—**Magnuson, P. B.** Medical care of the veteran. Postgrad. M., 1949, **5:** 175.—**Medical** care for veterans. J. Michigan M. Soc., 1946, **45:** 481.—**Menninger, K.** The veteran and don't forget. Surv. Graphic, 1948, **37:** 333–7.—**Mock, H. E.** Care of the veteran. Proc. Ann. Congr. Med. Educ., 1932, 106.—**Nelson, J. W.** Service officer's ministrations to World War veterans many. Welf. Bull., Springf., 1942, **33:** No. 3, 6–8.—**Progress** in veterans' relations through new methods. Hospitals, 1946, **20:** No. 1, 38–41.—**Reidy, W. G.** The veteran's own doctor. Surv. Graphic, 1947, **36:** 294–6.—**Returned** soldiers and the medical profession. Canad. M. Ass. J., 1917, **7:** 343–55.—**Sackett, G. L.** Veterans medical care. Bull. Acad. M. Cleveland, 1947, **32:** No. 7, 5.—**Sadler, L.** Veterans medical care plan. J. Oklahoma M. Ass., 1948, **41:** 275–7.—**Scott, H.** Care of the veteran: from the standpoint of the Veterans' Administration. Proc. Ann. Congr. Med. Educ., 1932, 113–16.—**Seeger, S. J.** Medical problems of the veterans. Wisconsin M. J., 1934, **33:** 233–5.—**Sladek, E. F.** The veteran's own doctor. J. Michigan M. Soc., 1948, **47:** 12, &c.—**Thompson, C. F.** Home town medical care program of the Veterans Administration. J. Indiana M. Ass., 1947, **41:** 35.—**Way, G. S.** Veterans' treatment regulations. Health, Toronto, 1946, No. 4, 15.—**Wells, G. W.** Hawley would expand plans providing private medical care for vets. Med. Econom., 1945–46, **23:** No. 4, 64–6.—**Willard, H. G.** Medical care of the veteran. Northwest M., 1932, **31:** 518–22.—**Wright, W. A.** Veterans medical care. J. Lancet, 1948, **68:** 124–6.—**Yorke, E. T.** Veterans care plan. J. M. Soc. N. Jersey, 1947, **44:** 25–7. ——— The private physician and VA. Med. Way, 1947, **9:** No. 7, 3.—**Zollinger, R. M.** Medical care of the veteran. Bull. Am. Coll. Surgeons, 1946, **31:** 121–6. Also J. Missouri M. Ass., 1947, **44:** 813–24.

—— by armed forces.

Kjellström, C. B. [Brief summary of certain observations in connection with technical revision relative to administration of a grant for care of sick troops] Tskr. mil. hälsov., 1933, **58:** 198–200.—**Opizzi, J.** Medicina de las fuerzas armadas. Rev. san. mil. argent., 1948, **47:** 45–57.—**Peñamaría, A., & Flórez de Sierra.** El escalón de tratamiento en cuerpo de Ejército. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 621–38.—**Seedorff, J.** Erfaringer fra min virksomhed som militaerlaege i den Finske haer. Militaerlaegen, 1942, **48:** 5–23.

—— by armed forces: France.

Debenedetti. L'orientation technique actuelle du Service de santé de l'Armée. Bull. Acad. méd., Par., 1946, **130:** 306–10.—**Gouyrand, J.** Orientation générale et technique actuelle du Service de santé. Bol. Dir. serv. saúde mil., 1947, **10:** 99–129.

—— by armed forces: Germany.

Heinemann-Grüder, C. Geschichte der Versorgung beschädigter Soldaten in Preussen-Deutschland. In his Arzt i. d. Wehrmachtversorg., 2. Aufl., Dresd., 1944, 1–5. ——— Organisation der Wehrmachtversorgung. Ibid., 47–56.—**Kaufmann, E.** Zusammenarbeit der Wehrmachtfürsorge- und Versorgungsdienststellen und Sanitätsoffiziere. Ibid., 56–65.—**Lottig, H.** Praktische Erfahrungen in der sanitären Versorgung des DLV. Luftfahrtmed. Abh., 1936–37, **1:** 137–40.—**Müller, H.** Heilfürsorge. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 66–80; 2. Aufl., Dresd., 1944, 69–84.—**Rühe, E.** Militärärztliche Aufgaben in der Wehrmacht-

versorgung. Deut. Militärarzt, 1936, **1**: 52–7. ——— Die Heilbehandlung der entlassenen Soldaten. Deut. Aerztebl., 1938, **68**: 13. ——— Die Versorgung der Soldaten bei Dienstbeschädigung. In: Aerztl. Gutacht. (A. W. Fischer & G. Molineus) Lpz., 1939, **2**: 1079–96. ——— Der Wehrmacht-Heilfürsorgeausweis. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 63–6; 2. Aufl., Dresd., 1944, 66–9.

—— by armed forces: Great Britain.

GREAT BRITAIN. FLYING PERSONNEL RESEARCH COMMITTEE. F. P. R. C. No. 265: Medical care of flying personnel in war. 10 l. 23½cm. Lond., 1941[?]

Chalke, H. D. The hygiene services of the Army. Med. Off., Lond., 1947, **78**: 37.—**Sick** and wounded in the armies of Cromwell and Cumberland. Brit. M. J., 1929, **1**: 1013.

—— by armed forces: Hungary.

Fried, T. Az edzés és orvosi ellenőrzése. Honvédorvos, 1950, **3**: 554–7.—**Lippay-Almássy, A.** [Organization of care of the wounded on the battlefield] Orv. hetil., 1940, **84**: mellék., 86.

—— by armed forces: New Zealand.

Medical treatment of the personnel of the three armed forces. N. Zealand M. J., 1940, **39**: 287; 1942, **41**: 100–2.

—— by armed forces: Russia.

Akodus, J. Komitet pomošči bolnym i ranenym voinam In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1379–87.—**Cowell, E. M.** The forward medical services of the Red Army. J. R. Army M. Corps, 1943, **80**: 83–8.—**Nejman, L. A.** Voprosy organizacii lečebnoj pomošči kontužennym. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 390.—**Ob** okazanii kvalificirovannoj medicinskoj pomošči ranenym i bolnym bojcam. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 5.—**Rubenstein, C. L.** Medical aid in the U. S. S. R. Army. California West. M., 1941, **55**: 304; 1942, **57**: 200.—**Rufanov, I. G., & Rostotsky, I. B.** Organizacia medicinskogo obsluživanija ranenykh i bolnykh voinov Krasnoj Armii. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 35–53. ——— Medical care in the Red Army and Navy. Am. Rev. Soviet M., 1944–45, **2**: 362–73.—**Samarin, N. N., & Samarina, O. K.** Ob organizacii dolečivanija postradavshikh ot voennykh povreždenij. Vest. khir., 1946, **66**: 70–5.

—— by armed forces: United States.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 2: Medical procedures to be followed at reception stations or other designated facilities for troops returning from federal duty. 2p. 26cm. Wash., 1944.

Alsaker, R. Compulsory medication in military service. Phys. Cult., N. Y., 1941, **85**: No. 2, 16.—**Lueth, H. C.** Streamlining military medical care. Hygeia, Chic., 1943, **21**: 194.—**Medical** care for fighting men. Pilot, Evanston, 1943–44, **8**: No. 2, 8; No. 3, 7.—**Pillsbury, H. C.** The medical care of soldiers. Hygeia, Chic., 1941, **19**: 631–6.—**Rippy, E. L.** The care of the medical patient in Army. Med. Bull. Medit. Theater U. S., 1945, **3**: 189–93.—**Roper, J. W.** What have volunteer organizations to offer to members of the medical and dental professions? Mil. Surgeon, 1950, **106**: 94.—**Sanitary** (The) service in war, how the wounded are cared for and the health of the soldiers conserved. Scient. Am., N. Y., 1916, **115**: 126.—**Soldiers** get high quality of medical treatment. Illinois M. J., 1943, **84**: 10. Also J. Am. M. Ass., 1943, **122**: 446.

—— by armed forces: United States—Air Force.

Carnes, E. H. Medical care of flying personnel. Hosp. News, Wash., 1941, **8**: No. 19, 1–9.—**Grant, D. N. W.** Medical care of aviation personnel. Ann. Int. M., 1943, **18**: 926–8.—**Medical** attendance on airmen and airwomen on leave. Brit. M. J., 1941, **1**: Suppl., 21.—**Tanney, A. D.** Care of aviation personnel. J. Am. M. Ass., 1942, **118**: 555.

—— in war.

UNITED STATES. OFFICE OF WAR INFORMATION. OWI report No. 2: The doctor shortage and medical care of civilians in wartime. 46p. 13½cm. Wash., 1943.

Dickinson, F. G. Analysis of questionnaire on medical care of civilians during World War II. J. Am. M. Ass., 1947, **134**: 369–74.—**Sargent, J. C.** Medical care of the nation in the event of another war. Ibid., 1949, **139**: 135–8. Also Wisconsin M. J., 1949, **48**: 335–8.—**Wilson, W. L.** Administration of civilian medical care in total war. Bull. U. S. Army M. Dep., 1949, **9**: 107–10.—**Wing, E. S., Ashworth, C. J., & Potter, A. L.** Wartime civilian medical care. Rhode Island M. J., 1943, **26**: 294.

MEDICAL center.

See also **Hospital center.**

Wong, J. L. National Defense Medical Center. J. Dent. Educ., 1947–48, **12**: 222.

—— France.

Bonnette, P. Réouverture du Val-de-Grâce. Presse méd., 1919, **27**: Suppl., 1137–9.—**Malorey, R.** Le Val-de-Grâce de la mort d'Anne d'Autriche à nos jours. Paris méd., 1920, **38**: Annexe, 400. ——— L'hôpital du Val-de-Grâce pendant la grande guerre. Ibid., 570.—**Monéry, A.** L'hôpital militaire d'instruction. In his Val de Grâce, Par., 1937, 49–53.—**Turgon, A.** La gloire du Val-de-Grâce. Progr. méd., Par., 1939, pt 2, Suppl., No. 8, 61–8, illust.—**Vallery-Radot, P.** L'hôpital militaire du Val-de-Grâce. Presse méd., 1949, **57**: 1248.

—— United States Army.

UNITED STATES. ARMY. WALTER REED GENERAL HOSPITAL. Annual report. Wash., 1949–

Army Medical Center. Circ. M. Sect. Far East Command, 1947, No. 9, 2–5.—**Army** Medical Center's silver anniversary. Serv. Stripe, Wash., 1948, **4**: No. 35, 2.—**Ashford, M.** The days gone by; a memory of the Walter Reed Hospital Foundation. Mil. Surgeon, 1919, **44**: 588–93, pl.—**Brandão, H.** Impressões do Army Center, Washington, D. C. Rev. med. mil., Rio, 1948, **37**: 257–62.—**Gentry, E. R.** Notes on the Medical Service, Walter Reed General Hospital, Washington, D. C. Mil. Surgeon, 1926, **59**: 326–41.—**Hoff** Memorial Fountain, Army Medical Center. Army M. Bull., 1936, **34**: 53–5.—**Kazii, T.** Walter Reed Hospital kengaku kizi. Gun idan zassi, 1929, 1575–7, illust., diagr.—**Makel, H. P.** Surgical experience at the Walter Reed General Hospital. Mil. Surgeon, 1919, **44**: 513–32.—**Walter** Reed General Hospital. Trained Nurse, 1942, **108**: 49.—**Walter** Reed Hospital. [Photograph] See collection in Library.

—— United States Navy.

See **Naval Medical Center.**

MEDICAL chest.

See **Chest.**

MEDICAL company.

See **Company,** Medical company; also **Medical battalion.**

MEDICAL consultant.

See also **Consultant.**

Adams, F. D. Observations of a Service Command consultant. Ohio M. J., 1943, **39**: 773.—**Caldwell, J. M.,** jr. Special problems NP consultants. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 54.—**Civilian** medical consultants. Bull. U. S. Army M. Dep., 1944, No. 79, 3.—**Civilian** medical consultants of the Army Medical Department. Science, 1944, **100**: 71.—**Cole, F. L.** The civilian consultant program. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 10–8.—**Coley, B. L.** Experiences of a surgical consultant of a Service Command. Ann. Surg., 1943, **118**: 751–9. Also Tr. Am. Surg. Ass., 1943, **61**: 751–9.—**Denit, G. B.** The consultant program, First Army. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 19–30.—**Freer, A.** The Medical Consultants Division of the Surgeon General's Office. Mil. Surgeon, 1947, **100**: 220.—**Griswold, R. A.** The function of the Service Command consultant in surgery. South. M. J., 1944, **37**: 358.—**Honorary** medical consultants [list] U. S. Nav. M. Bull., 1942, **40**: 727.—**LaCrosse, E. W.** Administrative problems in consultant program. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 56.—**Macfarlane, J. A.** The role of the consulting services in war time. J. R. Army M. Corps, 1949, **92**: 238–43.—**McGuire, J.** Clinical experiences of the medical consultants of the Fifth Service Command. Cincinnati J. M., 1946, **27**: 345–63.—**Penberthy, G. C.** Activities of a Service Command surgical consultant. Am. J. Surg., 1947, **73**: 141–9.—**Winn, D. F.** The consultant program, Letterman General Hospital. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 31–53.

MEDICAL Corps.

See also **Medical department.**

Farádi, L. A honvédorvos, a szocializmus építője. Honvédorvos, 1950, **2**: 372–9.—**Mundeleer, L.** Organisation d'un Corps de Santé militaire en Belgique. Bull. internat. Serv. santé, Liége, 1947, **20**: 9–12.—**Randin, J.** Informe anual del Cuerpo de sanidad. Rev. san. mil., Habana, 1941, **5**: 174–222, ch., 2 tab.—**Sand, R.** Le Ministère de la santé publique et le Corps médical. Bull. Min. san. pub., Brux., 1938, **3**: 103–10.

—— Argentina.

Acto de confraternidad argentino-boliviano en la Dirección general de sanidad. Rev. san. mil., B. Air., 1941, **40**: 581–3.—**Celebrando** los ascensos en el Cuerpo de sanidad militar. Ibid., 3–10.—**Instrucciones** para el acto del reconocimiento médico e incorporación de la clase de 1917. Ibid., 1937, **36**: 1197.—**Ley** de creación del Cuerpo de sanidad militar del Ejército y la Armada No. 2377. Ibid., 1944, **43**: 1059–62.—**Nomina** del personal técnico superior que integra el Servicio sanitario del Ejército; actualizada al 28 de febrero de 1938; cirujanos, farmacéuticos, dentistas y civiles. Ibid., 1938, **37**: 163–70.—**Organización** del Cuerpo de sanidad del Ejército y la Armada a traves de cincuenta años. Ibid., 859–63.—**Promociones** (Las) en el Cuerpo de sanidad militar. Ibid., 1939, **38**: 89–96.—**Ultimas** (Las) promociones en el Cuerpo de la sanidad militar. Ibid., 1942, **41**: 377.

—— Australia.

Australian Army Medical Corps; appointments. Med. J. Australia, 1941, **2**: 127.—**Australian** Imperial force; Australian Army Medical Corps. Ibid., **1**: 94.—**Australian** Imperial Force and its medical officers. Ibid., 1940, **1**: 669–71.—**Efficiency** and the Australian Army Medical Corps. Ibid., 1938, **1**: 169.—**Wassell, C. E.** An address. Ibid., 1940, **1**: 1–9.

—— Brazil.

Ainda a proposito da carreira dos oficiais do Serviço de Saúde. Rev. med. mil., Rio, 1939, **28**: 127–30.—**Carvalho, G. de.** Sôbre a atualização do Serviço de Saúde do Exército brasileiro. Ibid., 1946, **35**: 101–8.—**Roza, R. da.** Assumptos medico-militares; os medicos nos estados maiores. Ibid., 1937, **26**: 231–41.

—— Canada.

Findlay, D. The R. C. A. M. C.; Canada, for the recent graduate. McGill M. J., 1943, **12**: 52–5.—**Gérin-Lajoie.** Que nous réserve 1940? Union méd. Canada, 1940, **69**: 10.—**Gordon, A. R.** So you're joining the R. C. A. M. C.! J. Canad. M. Serv., 1943–44, **1**: 459–69.—**LeSage, A.** Entente cordiale; les médecins canadiens et le college Royal M. C. C. Union méd. Canada, 1940, **69**: 4–9.—**Wright, H. P.** Royal Canadian Army Medical Corps; Canada. McGill M. J., 1941–42, **11**: No. 5, 86–9.

—— France.

Annuaire général des officiers du Service de Santé. 2v. 8° Par., 1935–38.

Troussaint. Le Corps de Santé militaire de l'Armée française. 37p. 22½cm. Par., 1937.

Laquerrière, A. A propos de la situation du Corps médical. Concours méd., 1940, **62**: 604.—**Mordagne, M.** L'avancement des médecins auxiliaires; situation des médecins étrangers dans l'armée. Gaz. hôp., 1940, **113**: 168.—**Osmolski.** Stanowisko służbowe lekarza w wojsku francuskiem. Lek. wojsk., 1921, **2**: 1214–6.—**Propos** (A) de le Corps médical est-il encore une élite? Concours méd., 1940, **62**: 510.

—— Germany.

Drigalski, K. W. v. Der Aufsteig des Sanitätskorps. 166p. 20½cm. Oldenb. i. O., 1939.

—— Werden des Deutschen Sanitätskorps. p.71–113. 21cm. Oldenb., 1939.

In his Aufstieg d. San. Korps Oldenb.

Japan. Rikugun-syō. Deutsch rikugun heizi eisei kinmu-rei [Confidential regulations dealing with the organization and function of the Medical Corps in the German Army in time of peace] 1002p. 22½cm. Tōkyō, 1908.

—— Great Britain.

Cotterell, A. R. A. M. C. 116p. 22cm. Lond., 1943.

Army medical services; Royal Army Medical Corps; the Army Dental Corps; medical branch of the Royal Air Force. Lancet, Lond., 1939, **2**: 526–9.—**Brangs.** Das Sanitätskorps der englischen Armee. Deut. Militärarzt, 1937, **2**: 164; 212.—**Crew, F. A. E.** The war and ourselves. J. R. Army M. Corps, 1940, **75**: 367–76.—**Deaths** in the services. Brit. M. J., 1941, **1**: 298.—**Duarte da Cunha, B.** Diretivas da organização e funcionamento do Serviço de Saúde do Exército britânico (Royal Army Medical Corps) em campanha. Rev. med. mil., Rio, 1944, **33**: 211–22.—**Jarvis, C.** Le Corps médical anglais et le temps de guerre. Presse méd., 1938, **46**: 1588.—**Køster, K. H.** Royal Army Medical Corps i felten; organisation og taktik, med saerligt henblik paa evacuation og kirurgisk behandling. Militaerlaegen, 1947, **53**: 31; 65, ch.—**McIntosh, A. M.** A note on the Royal Army Medical Corps. Med. J. Australia, 1948, **1**: 738.—**Pay** and allowances in war medical services. Brit. M. J., 1940, **1**: Suppl., 35.—**Richardson, A. V. J.** Efficiency of personnel in the services. J. R. Army M. Corps, 1936, **66**: 14–20.—**Royal** Army Medical Corps. Lancet, Lond., 1936, **2**: 527; 1937, **2**: 535; 1938, **2**: 512.—**Stimson, B. B.** Three-and-a-half years in the Royal Army Medical Corps. J. Am. M. Women Ass., 1946, **1**: 47–9.—**Up** and doing in the Royal Army Medical Corps. Nurs. Times, Lond., 1942, **38**: 338.—**Winslow, F. B.** Army and Navy surgeons, and East India Company's medical service. In his Physic & Physicians, Lond., 1839, **2**: 222–43.

—— India.

Gonsalves, V. P. Indian Army Medical Corps. Brit. M. J., 1943, **1**: 677.—**Indian** (An) Army Medical Corps to be formed. J. Am. M. Ass., 1943, **122**: 823.—**Indian** Army Medical Corps formed; new military body to absorb medical bodies. Canad. Doctor, 1943, **9**: No. 11, 24–7.—**Indian** medical service. Lancet, Lond., 1939, **2**: 531; 1940, **2**: 281.—**Licentiates** as commissioned medical officers in the Indian Army Medical Corps. Ind. M. Rec., 1943, **63**: 255.—**Racial** discrimination in the Indian medical service. Sind M. J., 1937–38, **10**: 24.—**Unst.** The great soul. J. R. Army M. Corps, 1939, **72**: 174–82.

—— Italy.

Corpo Sanitario in Africa. Minerva med., Tor., 1940, **31**: pt I, Varia, 426–8.

—— Japan.

Ayres, P. B., Ariole, P. E. [et al.] Organization, administration, and facilities of the IJN Medical Corps. 92p. 25½cm. [n. p.] 1945.

Forms No. M–AA, Med. Targets.

Kindō, E. Bōko-tō eisei ippan ni tuite [A military medical corps in the Pescadores Islands] Zyūzenkai zassi, 1911, **16**: No. 65, 6–8.

—— Malaya.

Malayan medical service; changes due to leave, etc., for the 1st quarter, 1940; for the 2nd quarter, 1940. J. Malaya Brit. M. Ass., 1940, **4**: 137; 213.

—— Mexico.

García, E. R. El Cuerpo médico militar mexicano y su escuela practica de aplicación; apuntes historicos. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2**: 160–70.

—— New Zealand.

Appointments in the New Zealand Medical Corps. N. Zealand M. J., 1940, **39**: 282.—**Casualties** in the New Zealand Medical Corps. Ibid., 1941, **40**: 197.—**New Zealand** Medical Corps on active service. Ibid., 1940, **39**: 120.—**Service** in the New Zealand Medical Corps. Ibid., 283–5.

—— Philippines.

Michie, H. C. The Philippines and the new-comer. Mil. Surgeon, 1940, **86**: 482–7.

—— Russia.

Davis, L. Organization of the Red Army Medical Corps. Surg. Gyn. Obst., 1944, **79**: 329–32.—**Shustov, V. N.** Ob otdelnoj rote medicinskogo usilenija. Voen. med. J., Moskva, 1945, No. 12, 38–41.—**Smirnov, E. I.** [The rôle of the therapeutist in the Medical Corps] Klin. med., Moskva, 1941, **19**: No. 9, 3–10. ——— [Urgent tasks of the Medical Corps] Voen. san. delo, 1942, No. 11, 6–14. ——— The Medical Corps in Red Army operations; its tasks and their fulfilment. Brit. M. J., 1945, **1**: 175–7. ——— Zadači podgotovki oficerskogo sostava medicinskoj služby i rol KUMS v vypolnenii etikh zadač. Voen. med. J., Moskva, 1947, No. 8, 3–15.—**Work** of the Medical Corps in the U. S. S. R. Brit. M. J., 1942, **2**: 734.

—— Spain.

Spain. Armada. Cuerpo de sanidad. Reglamento para las oposiciones a ingreso en el Cuerpo de sanidad de la Armada, aprobado por R. O. de 22 de diciembre de 1922, con las modificaciones introducidas por Orden de 25 de agosto de 1933. 64p. 20cm. Madr., 1933.

Also: Siglo méd., 1933, **92**: 692; 718.

Spain. Cuerpo de Sanidad militar. Escalafón. Madr., Oct. 1943–

Issued in Revista española de medicina y cirugía de guerra.

Spain. Escala facultativa de sanidad militar. Situación del personal en 15 de Abril de 1941. 37p. 12cm. Madr., 1941.

Decreto de 12 de diciembre de 1942 por el que se crea la Escala honorífica de sanidad militar. Sem. méd. españ., 1943, **6**: Suppl., 10.—**Escalafón** del Cuerpo de Sanidad militar; situa-

ción en 1 de junio de 1944. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 641; 723.—**España, G. S.** El Cuerpo de Sanidad militar. In: Ohserv. España (Gcrshberg, J. M.) 2. ed., N. Y., 1933, 153.—**Reglamento** del Cuerpo de Sanidad militar; organización y objeto del Cuerpo. Bótica, Barcel., 1852–53, **1**: 309; passim.

—— Switzerland.

Vollenweider, P. Möglichkeiten und Grenzen bei Beförderung und Einteilung von Sanitätsoffizieren. Vjschr. schweiz. Sanitätsoff., 1944, **21**: 1–12.

—— United States Air Force.

See **Air Force Medical Service**—by countries: United States.

—— United States Army.

See also **Medical service.**

UNITED STATES. WAR DEPARTMENT. Army regulations No. 40–10; Medical Department: The Medical Corps; general provisions. 3p. 8° Wash., 1924.

—— [The same] ... Changes No. 1. 1p. 8° Wash., 1935.

Army Medical Corps. N. Orleans M. & S. J., 1941–42, **94**: 296. Also Pilot, Evanston, 1942–43, **7**: No. 7, 7–10.—Army Medical Corps ca. 1901. [Photograph] See collection in Library.—**Commendation** from General Clark. Mil. Surgeon, 1944, **94**: 47.—**Commissions** in the Medical Department, Regular Army. Science, 1945, **102**: 243.—**Hillman, C. C.** The Medical Corps of the United States Army. Proc. Conf. Health Author. N. America, 1940, 55. meet., 15.—**Hume, E. E.** University (The) of Pennsylvania and the Medical Corps of the Army. Pennsylvania Gaz., 1936, **34**: 358–63. ——— How the Medical Corps works. Med. Econom., 1940–41, **18**: No. 4, 40–5.—**Integration** of Medical Department officers. Bull. U. S. Army M. Dep., 1946, **6**: 652–6.—**M., D. E.** An administrative officer sizes up the Medical Corps. War Doctor, 1942, 1: No. 7, 22.—**Macrae, D.**, jr. Our duty to the United States Army and its Medical Corps. Tr. West. Surg. Ass. (1904) 1905, **14**: 417–29.—**Maverick, M.** Army Medical Corps: A short history. Congress. Rec., 74. Congr., 2. sess., 1936, **80**: 4153–8.—**Packard, R. K.** Medical economics. Illinois M. J., 1943, **83**: 376.—**Phalen, J. M.** Joining the Medical Corps; a case history. Mil. Surgeon, 1946, **98**: 504–9.—**Reduction** in size of Army Medical Corps. J. Am. M. Ass., 1944, **126**: 1154.—**Robinson, P. I.** About the Medical Corps. Bull. U. S. Army M. Dep., 1948, **8**: 499–503.—**Schaefer, J. H.** Needs of the Medical Corps of the Army. California West. M., 1941, **55**: 74.—**U. S. Army** General Medical Board, Executive Committee. For group photograph see collection in Library.—**U. S. Army.** Officers' photograph [Barnes (2); Belknap, Secretary of War; Crane, Charles H.; McDougal (Charles); Group photo. of McCormick, McClelland, McCellan, Dr. Cahot?, Howard; Murray Rohert, Surg Gen'l 1883–86; Mussey, R. D.; O'Reilly (2); Satterlee, R. S.; Scott; Sherman; Stanton, Secretary of War; Simpson, Sir James; Thomas; White] See ihidem.—**[U. S. Army]** Photograph of: Wm. Mayo, Admiral Grayson, Charles Mayo, Simpson, Vaughan, Welch, Braisted, Gorgas, Blue, Martin. See ibidem.—**[U. S. Army]** [Woodhull, Spencer, Barnes, Curtis, Otis, Crane, Billings, Woodward] For group photogr sec ihidem.—**U. S. Army** medical report, 1940. J. R. Army M. Corps, 1941, **77**: 37–9.

—— United States Navy.

See **Navy Medical Corps.**

—— United States Veterans Administration.

Rogers, E. N. Establishment of a permanent Medical Corps in the Veterans' Administration. Congress. Rec., 1943, **89**: A2789. ——— Permanent Medical Corps, Veterans' Administration. Ihid., A5223.

MEDICAL defense.

See **Emergency medical service**—by countries.

MEDICAL department.

See also **Medical Corps**; also **Administration, medical; Air Force Medical Service; Medical Service; Navy Medical Corps; Navy Medical Service.**

Abteilung (Die) für Sanität im Aktivdienst 1939–45. Militärsanität, Zür., 1947, **29**: 9; 17; 25.—**Annuaire** du Service de Santé de l'Armée. Arch. méd. belges, 1936, **89**: Suppl., 1–38.—**Army** medical services administration. Med. J. Australia, 1940, **2**: 325.—**Bestehen** (125 jähriges) der Inspektion des ärztlichen Dienstes des Heeres. Deut. Militärarzt, 1940, **5**: 499 (Abstr.)—**Cameron, C. A.** The connection between the College and the Navy and Army Medical Departments. In his Hist. R. Coll. Surgeons Ireland, Dubl., 1886, 288–304.—**Mercier, J.** Le Service de Santé de l'Armée. Union méd. Canada, 1942, **71**: 1212–8.—**Regamey, R.** La section d'hygiène du Service de Santé. In: Sanitätstruppen, Zür., 1942, 43–8.—**Salacup, R. T.** History of the medical service of the Armed Forces of the Philippines. Mil. Surgeon, 1949, **104**: 183–7.—**Wojnicz, A.** Uwagi o działalności Komisji Wojsk.-Lekarskich. Lek. wojsk., 1921, **2**: 522–5.

—— Argentina.

Aniversario (132°) de la Dirección general de sanidad. Rev. san. mil., B. Air., 1942, **41**: 375.—**Galli, E. A.** Memoria de la Dirección general de sanidad. Ibid., 1936–40, **35**:–**39**: 653; passim.

—— Brazil.

Paulino de Mello, L. Caxias e o Serviço de saúde do Exército. Rev. med. mil., Rio, 1942, **31**: 255–62.

—— China.

McClure, R. B. The Chinese Army Medical Administration; its organization and problems. J. Canad. M. Serv., 1943–44, **1**: 510–5.

—— France.

FRANCE. SERVICE DE SANTÉ. L'administration du Service de Santé militaire. 415p. 8° Par., 1936.

Des Cilleuls, J. Note au sujet des Archives historiques du Service de santé, la collection Bergougnioux. Mém. Soc. fr. hist. méd., 1947, **3**: 151.—**Peloquin, A.** Projet d'aménagement des Services de Santé militaire. Médecin fr., 1948, **8**: 55.

—— Germany.

Drigalski, W. v. Rückwirkung und Ausblick. In his Aufsteig d. San. Korps, Oldenh., 1939, 152–60.

—— Great Britain.

GREAT BRITAIN. ARMY MEDICAL DEPARTMENT, STATISTICAL, SANITARY AND MEDICAL REPORT. Annual report. Lond., v.**1–50**, 1859–1908.

Title changes to Great Britain. Report on the Health of the Army.

Annual (The) report of the Chief Medical Officer for the year 1938. J. R. Army M. Corps, 1940, **74**: 342–50.—**Order** by Field Marshall Sir Archibald Wavell. Bull. Army M. Dep., Lond., 1943, No. 22, 1.

—— India.

INDIA. ARMY. MEDICAL DIRECTORATE, INDIA. Administrative instruction. Delhi, No. 251, 1945–

Campbell, D., & Bartley, A. H. Indian Medical Department. Brit. M. J., 1941, **1**: 67.

—— Japan.

JAPAN. RIKUGUN-SYŌ. IMU-KYOKU. Nenpō. Dai-12, -13, -17-dai-19, 1886–93 [Annual report; Bureau of Medical Affairs, Army Ministry. Nos. 12, 13, 17–19, 1886–93] Tōkyō, 1888–94.

—— Russia.

Byćkov, I. J. Inostrannoe zakonodatelstvo o voenno-sanitarynkh kadrakh. Voen. med. J., Moskva, 1945, No. 10, 43–8.—**Ivanov, V.** Voenno-ućetnaja specialnost. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 935–9.—**Karlinsky, M. G.** Nekotoryj analiz rahoty KEH. Hospit. delo, 1945, No. 4, 19–21.—**Perkov, N.** Glavnoe voenno-medicinskoe Upravlenie Vooružennykh Sil SSSR. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1286–304.

—— Sweden.

NORDLANDER, O. Armésjukvårdens centrala ledning; Kungl. arméförvaltningens sjukvårdsstyrelses organisation åren 1908–1943. p.85–130. 22½cm. Lund, 1944.

Tskr. mil. hälsov., 1944, **69**:

Swedish Military Medical Department. Bull. U. S. Army M. Dep., 1946, **6**: 659–61.—**Wirgin, G.** Några önskemål rörande den svenska militära hälsovården. Allm. sven. läk. tidn., 1915, **12**: 136–45.

—— United States.

Nixon, P. I. Medical Department of the Army and the Navy. In his Med. Story of Early Texas, Lanc., 1946, 422–46.

—— United States Air Force.

See under **Air Force Medical Service.**

—— United States Army.

See also **Surgeon-General's Office.**

HUME, E. E. Victories of army medicine. 250p. 23½cm. Phila., 1943.

Lynch, C. Evolution of the Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 23–91.

MEAD JOHNSON & COMPANY. Courage and devotion beyond the call of duty. Preliminary ed. 256p. 16cm. Evansville, 1944.

SCHEIRER, G. A. Chronological table showing some outstanding events and achievements of the Medical Department of the United States Army, 1755–1947. 89 l. 26½cm. Wash., 1947.

UNITED STATES. DEPARTMENT OF THE ARMY. Manual for the Medical Department, United States Army, 1916, corrected to June 15, 1918 [by incorporating] changes Nos. 1 to 8. 387p. 23½cm. Wash., 1918.

—— [The same] ... Changes No. 6, 12–15, 24. 6 Nos. 21½cm. Wash., 1918–26.

Abreu, F. de. Impressões profissionais colhidas nos Estados Unidos. Rev. med. mil., Rio, 1946, **35**: 147–68, 4 pl.—**Achievements** of the Medical Department, United States Army, which have benefited the whole Nation. 1765 to 1933. See collection of pictures in Library.—**Activities** of the Medical Department in augmentation of the Army; official statement from the office of the Surgeon General of the United States Army. War Med., Chic., 1941, **1**: 69–76.—**Anniversary** of the Army Medical Department. Bull. U. S. Army M. Dep., 1945, **4**: 6.—**Army** Medical Department notes. Philadelphia M., 1945–46, **41**: 251–5.—**Bliss, R. W.** The Army Medical Department faces the future. Bull. U. S. Army M. Dep., 1948, **8**: 31–7. —— The new Army's Medical Department. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: 2–8. —— The future of the Army Medical Department. Mil. Surgeon, 1948, **102**: 298–303. —— Solving the problems of the postwar Medical Department. Mil. Rev., Fort Leavenw., 1948–49, **28**: No. 5, 3–12.—**Bloedorn, W. A.** The mission of the Medical Department of the United States Army. Diplomate, 1940, **12**: 25–30. Also Mil. Surgeon, 1940, **86**: 462–8.—**Courville, C. B.** The Army of the United States and the organization of its Medical Department. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 17–26.—**Davis, L.** Organization of the Medical Department of United States Army. Surg. Gyn. Obst., 1945, **81**: 702–4.—**Hillman, C. C.** Organization and functions of the Medical Department of the United States Army. Bull. Am. Coll. Surgeons, 1942, **27**: 141–7.—**Hutter, C. G.** The Medical Department of our Army. Illinois M. J., 1941, **80**: 360–5.—**Jones, H. W.** The United States Army and the history of medicine. J. Am. M. Ass., 1948, **137**: 853–6.—**Kay, H.** Medical Department contacts with professional and scientific groups. Army M. Bull., 1943, No. 65, 165–9.—**Kirk, N. T.** Commencement address. Bull. School M. Univ. Maryland, 1944–45, **29**: 154–8.—**Kramer, F.** Medical Department participation in the New York World's Fair. Army M. Bull., 1939, **49**: 73–8.—**Laws, H. A.**, jr. Medicine in the Armed Forces of our country. Army Doctor, 1942–43, **1**: No. 3, 3–6.—**Lull, G. F.** Demobilization of the Medical Department. South. M. J., 1946, **39**: 102–6.—**Magee, J. C.** Activities of the Medical Department in augmentation of the Army. Army M. Bull., 1941, **56**: 1–10. —— An appraisal of the Medical Department at war. Mil. Surgeon, 1943, **92**: 113–9.—**Medical** (The) Department of the Army. J. Am. M. Ass., 1943, **121**: 762.—**Medical** Department contacts with scientific and professional groups during the calendar year 1940. Army M. Bull., 1941, **55**: 87–99.—**Medical** (The) Department of the United States Army. Army Doctor, 1942–43, **1**: No. 7, 3–5. Also J. M. Soc. Cape May Co. N. Jersey, 1943, **5**: 3.—**Military** and naval section. Virginia M. Month., 1941, **68**: 360.—**Owsley, G. A.** Why the Medical Department gets the job done. J. Indiana M. Ass., 1943, **36**: 655.—**P., J. M.** One hundred and seventy years young. Mil. Surgeon, 1945, **97**: 242.—**Pedlow, E. B.** The United States Army medical milestones. Ohio M. J., 1942, **38**: 347–51.—**Prentiss, R. G.**, jr. The Medical Department of the Army in war. J. Michigan M. Soc., 1942, **41**: 373–6.—**Proposed** postwar Medical Department plan. Bull. U. S. Army M. Dep., 1946, **5**: 43–7.—**Quade, O. H.** Organization of the Medical Department of the United States Army. J. Internat. Coll. Surgeons, 1942, **5**: 526–9. Also Spanish transl., Rev. mil. Peru, 1943, **40**: 327–35. Also Rev. san. mil., Habana, 1943, **7**: 98–107.—**Quinine** (The) brigade. Week. Bull. St. Louis M. Soc., 1941–42, **36**: 236.—**Rankin, F.** Report to the American Surgical Association on activities of the Division of Professional Service; under the supervision of the Surgeon-General of the U. S. Army. Ann. Surg., 1942, **115**: 892–6.—**Reynolds, C. R.** Problems facing the Medical Department of the Army. Mil. Surgeon, 1939, **84**: 405–9.—**Robinson, P. I.** About the Medical Department. Bull. U. S. Army M. Dep., 1948, **8**: 933; 1949, **9**: 371.—**Ryons, F. B.** The United States Army Medical Department 1861 to 1865. Mil. Surgeon, 1936, **79**: 341–56.—**S., F. C.** The Medical Department in war. Week. Roster, Phila., 1940–41, **36**: 1481.—**Sawyer, H. P.** The development of the Army Medical Department. J. M. Ass. Alabama, 1946–47, **16**: 73–85.—**United** (The) States Army Medical Department in World War II. Mil. Surgeon, 1949, **105**: 160.—**Wakeman, F. B.** Present policies and activities of the Medical Department of the U. S. Army. Ibid., 1942, **90**: 245–53.—**Wooders, M. A., & Curtis, D. A.** Organization of the Army Medical Department. In their Emergency Care, Phila., 1942, 366–8.

—— United States Navy.

See also **Bureau of Medicine and Surgery.**

UNITED STATES. CONGRESS. 54. CONGR., 1. SESS., H. R. 1197, DEC., 10, 1895. A bill for the reorganization of the Medical Department of the Navy on the basis of the organization of the medical department of the Army. Introd. by Mr. Hall. 2p. 8° Wash., 1895.

Agnew, W. J. C., & Saunders, N. L. The Navy's Medical Department. War Med., Chic., 1941, **1**: 301–25.—**Gill, A. C.** Inspection of Medical Department activities. U. S. Nav. M. Bull., 1920, **14**: Suppl., No. 13, 31.—**Hook, F. R.** The Medical Department in naval warfare. Ann. Surg., 1941, **113**: 1010–9. —— The organizations and functions of the Medical Department of the United States Navy. Bull. Am. Coll. Surgeons, 1942, **27**: 148–53. Also Minnesota M., 1942, **25**: 535–41. —— Some of the problems of the Medical Department of the Navy. Tr. West. Surg. Ass. (1941) 1942, **51**: 168–84.—**Johnson, L. W.** How does the Navy get that way? Hygeia, Chic., 1942, **20**: 258–61.—**Kretzler, H. H.** Medical Department of the Navy. Northwest M., 1943, **42**: 260–2.—**Pugh, L.** The Medical Department of the Navy notes its bearings. Mil. Surgeon, 1950, **106**: 89–93.—**Reed, E. U.** Needs of the Medical Department of the Navy. California West. M., 1941, **55**: 70.—**Roddis, L. H.** Organization of the Navy Medical Department. Surg. Clin. N. America, 1941, **21**: 1533–43.—**Rossiter, P. S.** Peace time activities of the Medical Department of the United States Navy. South. M. J., 1934, **27**: 636–41. Also U. S. Nav. M. Bull., 1934, **32**: 257–67. —— The Medical Department of the Navy 1933–1938 and its plans for the future. Mil. Surgeon, 1939, **84**: 5–11.—**Ruddock, J. C.** Medical Department of the U. S. Navy. Bull. Los Angeles Co. M. Ass., 1943, **73**: 359.—**Stokes, C. F.** Some features of the Medical Department of the Navy in peace and in war. Med. Rec., N. Y., 1909, **76**: 256–9.—**Ullman, V.** Growth of the Navy's Medical Department. Hosp. Corps Q., 1945, **18**: 42–6.

MEDICAL department of ship.

See also **Battleship,** Medical problems.

Relations of ship medical departments to higher commands. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. B, 1–15.—**Rhoades, G. C.** The medical department of the U. S. S. Ranger. U. S. Nav. M. Bull., 1936, **34**: 456–71, 4 pl.—**Roddis, L. H.** The medical department of the U. S. S. Constitution in the engagement with the Guérrière. Mil. Surgeon, 1934, **74**: 36–40.—**Syslo, J. A.** The medical department of a battleship in action. U. S. Nav. M. Bull., 1943, **41**: 1213–26.

MEDICAL depot.

See also **Depot; Supply; Supply depot.**

UNITED STATES. DEPARTMENT OF THE ARMY. Technical manual TM 8–245: Army Medical Supply Depot. 20p. 21½cm. Wash., 1942.

Activities of Intermediate Medical Supply Depot No. 2, Gièvres, France. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 825–52.—**Belov, G. S.** Medicinskij reguliro-voćnyj post. Voen. med. J., Moskva, 1946, No. 6, 39.—**Crandall, R. P.** The United States Naval Medical Supply Depot. U. S. Nav. M. Bull., 1917, **11**: 337–42.—**Karpinsky, N., Morev, V., & Pernov, A.** Sklady intendantskie. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 144–9.—**Kozlov, P., & Rafes, M.** Vraćebno-pitatelnye punkty. In: Bolsh. med. encikl., 1928, **5**: 692–7.—**Maslinkovsky, T.** Perevjazoćno-pitatelnyj punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 398–400. —— Perevjazoćnyj punkt. Ibid., 403–7.—**Morev, V., & Pernov, A.** Sklady intendantskie; prodovolstvennye kladovye na korabljakh VMF. Ibid., **5**: 146–9.—**New** (The) Naval Medical Supply Depot. U. S. Nav. M. Bull., 1919, Suppl. No. 9, 39.—**New** York Medical Supply Depot; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 659–96.—**Organization** charts; typical depot and typical storehouse, medical supply system, First Naval District. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 12, 59a.—**Taricin, V., & Timankov, K.** Sklady voenno-sanitarnye. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 139–44.

MEDICAL education.

See under **Education,** medical; **Medical officer,** Education, etc.

MEDICAL examination.

See also **Anthropometry; Aviator,** Physical examination; **Dental examination; Disabled,** Examination; **Equipment,** aeromedical; **Height and weight; Injury,** Examination; **Recruiting; Rejection.**

Bibliography. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 189–92.—**Earle, K. V.** Points in the examination of recruits. Carib. M. J., Trinidad, 1941, **3:** 185–91.—**Hamilton, E. S.** Medical economics. Illinois M. J., 1941, **79:** 271.—**Lessons** from experience. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 185–7.—**Medical** (The) examination of recruits. J. Am. M. Ass., 1917, **69:** 301.—**Odobleia, S.** Fonoscopia şi semeiologia acustica. Rev. san. mil., Bucur., 1936, **35:** 220–3.—**Peasley, E. D.** Examination of yesterday's school children. Health Bull., Raleigh, 1942, **57:** No. 5, 11–4.—**Selective** Service publications containing data on physical examinations of Selective Service registrants. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 310.—**Skinner, G. A.** Selected to serve. Hygeia, Chic., 1940, **18:** 856–61.

—— Annual, or periodical reexamination.

See also **Aviator.**

Hurd, E. F. What one local Board found out; another argument for yearly physical examinations. J. Am. M. Ass., 1918, **70:** 52.—**Physical** examinations of officers of the Regular Army discontinued. Army M. Bull., 1941, No. 58, 154.—**Roddis, L. H., & Cooper, L. H.** An analysis of the annual physical examination of a group of officers [in Navy files] U. S. Nav. M. Bull., 1927, **25:** 54–62.—**Rosztóczy, E.** [Systematic physical examination and its practical use of military surgeons] Budapesti orv. ujs., 1933, **31:** 166–72.—**Smith, S.** Notes on the reexamination of recruits. J. R. Army M. Corps, 1926, **46:** 269–78.—**Viguri Viguri, A.** Importancia del examen médico periódico de los miembros del Ejército nacional. Mem. Sem. med. mil., Méx., 1937, 1. Congr., 39–47.

—— Aptitude tests.

Coumel. La sélection dans l'armée; données générales sur son objet, ses méthodes, sa valeur. Sem. hôp. Par., 1949, **25:** 2437–42.—**Palmieri, V. M.** La selezione del moderno soldato. Riforma med., 1942–43, **59:** 303.

—— Audiometry.

Harris, J. D. Some suggestions for speech reception testing. 23 l. 28cm. N. Lond., 1948.

Forms Rep. No. 2, Proj. No. NM-003-021 U. S. Nav. M. Res. Laborat.

—— & Myers, C. K. The inherent stability of the auditory threshold. 23 l. 28cm. N. Lond., 1949.

Forms Rep. No. 3, of preceding project.

Beyne, P. J. E. La mesure de la valeur fonctionnelle auditive; le problème de l'acoumétrie. Rev. Serv. san. mil., Par., 1939, **110:** 631–43.—**Developments** in speech audiometry, Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 12, 10–3.—**Dickson, E. D. D.** Demonstration of R. A. F. hearing tests. Proc. R. Soc. M., Lond., 1944–45, **38:** 634–8.—**Experiment** in speech audiometry. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 105.—**Fowler, E. P.** Hearing standards for acceptance, disability rating and discharge in the military services and in industry. Laryngoscope, 1941, **51:** 937–56. Also Tr. Am. Otol. Soc. 1941, **31:** 243–63. Also Arch. Otolar., Chic., 1942, **35:** 167–70.—**Hargreaves, J. M.** The testing of hearing with the audiometer. Flight Surgeon Topics, 1939, **3:** 185.—**Huenermann.** Experiences with electric audiometers. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 365–7.—**Monaural** speech audiometry. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 16.—**Neil, J. H.** Testing the auditory acuity in soldiers and assessing the overall capacity for hearing of speech. N. Zealand M. J., 1943, **42:** 218–26.—**Newhart, H.** An efficient and practical booth for testing hearing. Flight Surgeon Topics, 1939, **3:** 185, 2 fig.—**Shilling, C. W., & Everley, I. A.** Auditory acuity among submarine personnel. U. S. Nav. M. Bull., 1942, **40:** 27; passim. ——— **& Harris, J. D.** Hearing tests; an evaluation. Ibid., 1945, **44:** 100–16.—**Shoch, D. E.** Validation of auditory standards in AR 40–110. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 18.—**Smith, C. G.** A report of the vision and hearing tests carried out by the R. C. N. Medical Research Testing Units at Cornwallis and at Halifax. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 59–66, 4 tab.—**Voiachek, V.** Akumetria. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 104–8.—**Zwerling, S.** The need for accuracy in conducting hearing tests in the military service. Mil. Surgeon, 1943, **92:** 202–5.

—— Cardiovascular system.

Elbel, E. R. A study of the RAF 40 mm. (Flack) Test. 11p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 373, U. S. Air Force School Aviat. M.

—— & Green, E. L. Physical training program for convalescing patients; pulse reaction to performing step-up exercise on benches of different heights. 10p. 27cm. Randolph Field, 1945.

Forms Rep. No. 4, Proj. No. 246, U. S. Air Force School Aviat. M.

Karpovich, P. V. Physical fitness tests for convalescents; analysis of the pulse reactions in the Red Step-up Test. 5p. 27cm. Randolph Field, 1944.

Forms Rep. No. 2, Proj. No. 224, U. S. Air Force School Aviat. M.

—— Relation between breath holding tests and the endurance in running and Harvard step-up test score. 4p. 27cm. Randolph Field, 1945.

Forms Rep. No. 2, Proj. No. 373, U. S. Air Force School Aviat. M.

Kossmann, C. E. Some observations on blood pressure relative to the examination for flying. 6p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 264, U. S. Air Force School Aviat. M.

Meister, P. C. *Ergebnisse der Reihendurchbeleuchtung der Armee; die pathologischen Herzbefunde [Zürich] 22p. 22½cm. Basel, 1945.

Also: Vjschr. schweiz. Sanitätsoff., 1946, **23:** No. 1.

Ruge, W. Die Kreislauffunktionsprüfung mit besonderer Berücksichtigung der wehrmachtärztlichen Verhältnisse. 67p. 20cm. Dresd., 1944.

Rushmer, R. F. A study of the Valsalva procedure by means of the electrocardiograph, arteriograph, and teleroentgenograph. 11 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 116, U. S. Air Force School Aviat. M.

Schwenke, A. Fragen der ärztlichen Beurteilung und Begutachtung; Kreislaufapparat. p.170–226. 20cm. Dresd., 1944.

In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd.

Armstrong, H. G. The interpretation of normal blood pressures and pulse rates in routine physical examinations. Mil. Surgeon, 1937, **80:** 456–62.—**Bartlett, W. M.** Physiologically induced myocardial ischemia as a test of circulatory efficiency as applied to the selection of pilots. J. Aviat. M., 1943, **14:** 264–79.—**Bazett, H. C.** New methods of measuring blood flow and pressure. Research Rev. (U. S. Navy) 1949, May, 6–11.—**Blumberger, K.** Die Bedeutung der Untersuchung der Dynamik des Herzens für die wehrmachtärztliche Herzleistungsprüfung. Deut. Militärarzt, 1944, **9:** 257–62.—**Bosse, U.** Zur Frage der Kreislaufprüfung durch den Truppenarzt. Med. Zschr., 1944–45, **1:** 97–9.—**Cardiovascular** examinations. J. Am. M. Ass., 1918, **52:** 540.—**Cronin, M. J.** Physical selection in its relation to heart and lung conditions. Boston M. & S. J., 1918, **178:** 187–91.—**Dal Pra, L.** Semplici prove di capacità funzionale e loro impiego nella Marina militare. Ann. med. nav., Roma, 1949, **54:** 447–9.—**Diligenskaja, E. S.,** & **Filippović, S. G.** [Evaluation of the state of the cardiovascular system in aviators in relation to flights] Klin. med., Moskva, 1936, **14:** 1445–8.—**Doetsch, H.** Untersuchungen über das Atemanhaltevermögen als Herzfunktionsprüfung und seine klinische Anwendung. Deut. Militärarzt, 1944, **9:** 76–81.—**Gmeiner.** Herzbeurteilung bei Musterung und Ambulanz. Veröff. Marine San., 1942, H. 34, 212–6.—**Goldbloom, A. A., & Dumanis, A. A.** Military value of standard test of heart function with electrocardiograms in a staging area; preliminary report. War Med., 1945, **8:** 21–5.—**Gómez Cuéllar, P.** La exploración cardiocirculatoria del recluta o movilizado a la incorporación de los contingentes. Rev. españ. med. cir. guerra, 1945, **7:** 507–23, ——— Estado actual de la ciencia cardiológica; el aparato circulatorio y la aptitud para el servicio militar. Med. & cir. guerra, 1948, **10:** 73–85.—**Hadorn, W.**

Die Untersuchung von Herz und Kreislauf in der M. S. A. Praxis, Bern, 1940, **29**: 281–95. ——— Einige grundsätzliche Bemerkungen über Kreislaufbefund und Kreislauftüchtigkeit bei der Beurteilung von Wehrmännern. Ibid., 1941, **30**: 413–5. ——— Die Beurteilung des Herzkranken durch den Militärarzt. Schweiz. med. Wschr., 1941, **71**: 1449–54.—**Heinsen, H. A., & Frentzen, E.** Ueber Herzfunktionsprüfungen und ihren Wert für die Diagnostik von Herzerkrankungen. Deut. Militärarzt, 1942, **7**: 673–80.—**Henrion, J.** Affections cardiaques et aptitude à servir dans l'armée. Rev. méd. fr., 1947, **28**: 83–8.—**Hoskin, T. J.** Cardiac problems in recruits. Postgrad. M. J., Lond., 1942, **18**: 3.—**Jackson, H.,** jr. The cardiovascular examination of the army recruit. N. England J. M., 1941, **225**: 995–8. Also War Med. Sympos., N. Y., 1942, 546–52.—**Laurentis, P., & Klopfleisch, F.** Kreislauffunktionsprüfung bei Wehrmachtangehörigen unter besonderer Berücksichtigung des Belastungs-Elektrokardiogramms. Münch. med. Wschr., 1940, **87**: 1045–7.—**Leaman, W. G.,** jr. The examination for Selective Service with special reference to the cardiovascular system. Week. Roster, Phila., 1940–41, **36**: 1552–6.—**Master, A. M.** The electrocardiogram after exercise; a standardized heart function test. U. S. Nav. M. Bull., 1942, **40**: 346–51.—**Merklen, L., Grandpierre, R., & Guillaume, L.** Les épreuves d'aptitude cardiaque à l'effort. Méd. aéronaut., 1947, **2**: 342–52.—**Murnaghan, D. P.** Some observations on the cardiovascular examination for aircrew fitness. Am. Heart J., 1944, **27**: 550–8.—**Poppi, A., & Marzocchi, G.** Importanza della valutazione cardiometrica in medicina militare. Gior. med. mil., 1943, **91**: 109–15.—**Rósa, L.** A szívhangok vizsgálatának jelentősége a szolgálatképesség elbírálásában. Honvédorvos, 1950, **2**: 67–73.—**Sanderson, S. S., & Wilburne, M.** Diagnostic cardioroentgenography in Army examinees; a study of cardioroentgenograms selected from among 40,000 routine Army induction examinations. Clinics, 1943–44, **2**: 1245–61. ——— La roentgenocardiografía como medio de examen médico de reclutas empleado por el ejército norteamericano. Rev. radiol. fisioter., Chic., 1945, **12**: 93–101.—**Smith, F. M.** Examination of the heart for military service. J. Am. M. Ass., 1941, **117**: 329.—**Souza Medina, D. de.** Prova de Bürger. Arq. brasil. med. nav., 1943, **4**: 251–5.—**Tamás, L.** Katonai szolgálat és a szív. Honvédorvos, 1950, **2**: 177–80.—**Taylor, C., & Brown, G. E.,** jr. Some observations on the validity of the Schneider test. J. Aviat. M., 1944, **15**: 214–30.—**Ungerleider, H. E., Duhigg, T. F., & Gubner, R. S.** Examination of the heart in Navy applicants. U. S. Nav. M. Bull., 1943, **41**: 441–58.—**Wiechmann, E.** Die Beurteilung der Leistungsfähigkeit des Herzens, insbesondere in militärischer Beziehung. Med. Klin., Berl., 1940, **36**: 263–5.—**Wilburne, M., & Ceccolini, E. M.** A note on the incidence of arterial hypertension in 25,000 Army examinees. Army M. Bull., 1943, No. 68, 118–25.—**Zaeper, G.** Ueber die Objektivierung einiger Befunde an Atmungsorganen, Herz und Kreislauf bei Wehrmachtsangehörigen. Klin. Wschr., 1940, **19**: 313–8.

—— Classification and grading.

See also other subheadings; also **Fitness.**

United States. Selective Service System. Numerical index to Medical Defect Code; report of physical examination study. 364p. 28cm. Wash., 1942.

Classifications based on physical examination. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 101–10.—**Part 622:** Classification. Ibid., **2**: 133–79.—**Davis, H.** The medical classification of recruits. Lancet, Lond., 1917, **2**: 899.—**Extracts** from Selective Service Regulations concerning dental requirements and classification based on physical examination. Dent. Bull., Carlisle, 1941, **12**: 51–3.—**Kelley, T. L.** Principles underlying the classification of men in the Students' Army Training Corps. Psychol. Bull., 1919, **16**: 50.—**Medical** grading of recruits. [Question in Parliament] Lancet, Lond., 1941, **1**: 521.—**Men** (The) who were physically examined. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 93–9.—**Westbrook, R. W.** Need for standardization of local board and Army examinations. N. York M. J. 1918, **108**: 704.

—— Criticism.

Brailey, A. G. Medical holdovers at a U. S. naval training center. U. S. Nav. M. Bull., 1945, **44**: 1042–4.—**Bromme, W.** Medical examinations and the draft system. Detroit M. News, 1941–42, **33**: No. 43, 5.—**Draft** examinations criticized. Med. Ann. District of Columbia, 1943, **12**: 119.—**Hertzog, L. S.** The menace. J. Am. Inst. Homeop., 1941, **34**: 125–7.—**Khelben, P. I.** K voprosu o nekotorykh oŝibkakh vraćej prizyvnykh komissij. Voen. san. delo, 1940, No. 8, 42–5.—**Parran, T.** To avoid past mistakes of military medicine. Illinois M. J., 1941, **80**: 19.—**Pascucci, L. M.** Roentgen detection in an Army general hospital of chronic diseases not excluded by induction boards. Radiology, 1944, **42**: 375–9.—**Swope, C. D.** Public Relations Committee. J. Am. Osteopath. Ass., 1940–41, **40**: 546.

—— Ear.

See also **Deafness; Ear; Ear injury;** also subheading (Audiometry)

Van de Calseyde, J. De la néccssité des examens répétés dc l'ouïe chez les marins. p. 45–130. 8° Brux., 1910–11.

Bull. Soc. belge otol., 1910–11, **16**: pt 1.

Burakov, I. [Organization of oto-rhino-laryngological offices in the recruiting stations] Voen. san. delo, 1936, 55–8.—**Jankov, G.** Uśnite stradanija, kato prećka za noscne voennata sluzba. Voen. san. delo, Sofia., 1947, **2**: 204–9.—**Kriegsmann, G.** Vorschläge zur Erzielung genauerer Ohrbefunde bei der Musterung. Deut. Militärarzt, 1941, **6**: 152–5.—**Mittermaier, R.** Zur Beurteilung der Kriegsbrauchbarkeit bei Erkrankungen der Ohren. Zschr. Hals &c. Heilk., 1944, **50**: 215–21.—**Reichard, W.** Simulated deafness among World War II veterans. Bol. As. méd. Puerto Rico, 1946, **38**: 439–42.

—— Endocrine system.

See also **Endocrine system; Endocrinology.**

Bartelheimer, H. Endokrine Varianten, ihre Bedeutung für Verwendungs- und Einsatzfähigkeit in der Truppe. Deut. Militärarzt, 1941, **6**: 622–8.—**Kress, C. C.** Endocrinologic aspects of recruiting. U. S. Nav. M. Bull., 1945, **45**: 1131–9.

—— Eye.

See also **Blind; Eye; Vision.**

Imus, H. A. Evaluation of eye examination; NMSAv–Form I. 157 l. 27cm. Pensacola, 1947.

Forms Rep. No. 2, Res. Proj. X–395 (Av–213–k) U. S. Naval School Aviat. M.

Scobee, R. G. An analysis of the ophthalmic portion of the 64 examination; muscle balance. 10p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 139, U. S. Air Force School Aviat. M.

——— [The same] ... a summary of suggested changes. 5p. 27cm. Randolph Field, 1945.

Forms Rep. No. 2, Proj. No. 139, U. S. Air Force School Aviat. M.

Simpson, R. K. Outline for examination of the eye. 198p. 26cm. Randolph Field, 1939.

Bahn, C. A. Ophthalmic requirements of the Military Services. Arch. Ophth., Chic., 1942, **27**: 1202–13. ——— [The same] ... Changes from Feb. 1, 1943 to Jan. 1, 1944. Ibid., 1944, **31**: 160. ——— [The same] ... Changes from Jan. 1, 1944 to Jan. 1, 1945. Ibid., 1945, **33**: 245.—**Black, N. M.** Visual requirements for the Army. In: Am. Encycl. & Dict. Ophth. (Wood) Chicago, 1913, **1**: 597–601.—**Bruce, G. M.** Simple methods for the detection of ocular malingering. U. S. Nav. M. Bull., 1943, **41**: 755–7.—**Cohen, R.** A device to simplify testing near point of convergence, PcB, in the angle of convergence test. J. Aviat. M., 1941, **12**: 298.—**Cozzoli, G.** Un nuovo metodo di sorpresa per le ambliopie simulate. Gior. med. mil., 1937, **85**: 588–90.—**Eyesight** in the Army. Brit. J. Nurs., 1941, **89**: 112.—**Gundersen, T.** A simple test for ocular malingering. Med. Bull. Medit. Theater U. S., 1945, **3**: 53.—**Harding, M. S.** The eyes and the Military Services. J. Indiana M. Ass., 1942, **35**: 246–9.—**Herbolsheimer, A. J.** The role of the extra-ocular musculature in the aviation physical examination. J. Aviat. M., 1944, **15**: 258–63.—**Kleiber.** Tauglichkeit Augenversehrter; Richtlinien zur Beurteilung der Tauglichkeit Augenversehrter. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 28–30.—**Mayer, L. L.** Methods of examination. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1**: 560; 1948, **2**: 460.—**Medeiros Rosa, H. de.** Do exame do fundus com aparelhamento improvisado. Rev. mil. remonta vet., Rio, 1945, **7**: No. 48, 30–2.—**Rónai, T.** A stereoskopikus látás jelentősége a légvédelmi szolgálatban. Honvédorvos, 1950, **3**: 488–92.—**Row, D. H.** Eye examinations as conducted in the Navy. J. Indiana M. Ass., 1945, **38**: 458.—**Sachs, B.** Examination of recruits; detection of commoner neuro-ophthalmic defects. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 35–45.—**Scobee, R. G.** Ocular muscle balance in flying personnel. Proc. Mil. Ophth. Meet., 1945, 105.—**Sugar, H. S.** Malingering in military ophthalmology. Mil. Surgeon, 1942, **91**: 314–20.—**Swanson, C. A.** The eyes of the Navy. Optic. J., N. Y., 1942, **79**: No. 5, 16–21.—**Town, A. E.** Eye defects discovered through Selective Service examinations. Sightsav. Rev., 1941, **11**: 269–75.—**Velhagen, K.,** jr. Das Auge und seine Leistungen bei der Frage der Tauglichkeit für den Wehrdienst. Med. Welt, 1937, **11**: 1554–7.—**Yokokura, S., & Takayama, K.** [Study on the indirect skiagraphy] Bull. Nav. M. Ass., Tokyo, 1941, **30**: 170–8, pl.

—— Fever.

Sowder, W. T. Temperature elevation in group of candidates for enlistment in the U. S. Coast Guard. Hosp. News, Wash., 1937, **4**: 1–6.

—— Foot.

See also **Foot, Defect and disability.**

Austin, D. W. A uniform method of foot examination for the Medical Corps of the Army and Navy. Clin. J. Chiropody,

1941–42, **12**: 52–5.—**Moreno Valle, R.** El pie plano en el reclutamiento. Torreón méd., 1948, **3**: 74–6.

—— hematological.

See also **Hematology.**

Dolfini, G. La prova di sedimentazione delle emazie in medicina militare. Gior. med. mil., 1942, **90**: 362–72.—**Heydrich.** Der Wert der Blutköperchensenkungsreaktion für die Einstellungsuntersuchungen in der Wehrmacht. Deut. Militärarzt, 1936, **1**: 203–7.—**Thoné.** Considérations sur la valeur de la vitesse de sédimentation; présente-t-elle un intérêt au point de vue recrutement? Arch. méd. belges, 1936, **89**: 265–81.

—— Interpretation of findings.

See also **Fitness; Malingering.**

Analysis of the physical examination of selectees. N. Orleans M. & S. J., 1942–43, **95**: 41.—**Analysis** of reports of physical examination. J. Biol. Photogr. Ass., 1942–43, **11**: 23.—**Hofheimer, J. A.** An analysis of the recent physical examinations for a local exemption board. Internat. J. Surg., 1917, **30**: 275–8.—**Vernengo, A. R.** Las posibilidades de la selección médica en la valoración del potencial humano para el Ejército. Rev. mil., B. Air., 1948, **48**: 1512–21.

—— laboratory.

Camerer, C. B., & Humphrey, A. A. Suggestions for mass laboratory examination of recruits. U. S. Nav. M. Bull., 1943, **41**: 849–52.—**Dopsch, H.** Die Grundumsatzuntersuchung in der militärärztlichen Begutachtung. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 542–5.

—— Manual and guide.

GREENLEAF, C. R. An epitome of Tripler's Manual and other publications on the examination of recruits. 9. ed. 60p. 24cm. Wash., 1903.

UNITED STATES. VETERANS' ADMINISTRATION. Manual for medical examiners of the Veterans' Administration. Rev. ed. 130p. 23cm. Wash., 1940.

—— Technical bulletin TB 10A–67: Instructions for completion of Report of Board Action, VA Form 10–2543. 3p. 27cm. Wash., 1947.

Hershey, L. B. Guide to physical examination of registrants (Medical Circular No. 3) J. Am. M. Ass., 1943, **121**: 949–52.—**Oliveira Ponce, G. de.** Guia para execução das inspeções de saúde de convocados. Rev. med. mil., Rio, 1947, **36**: 266–76.—**Richtlinien** für die militärärztliche Untersuchung und Begutachtung auf dem Gebiete der militärischen Versorgung. Mschr. Unfallh., 1919, **26**: 239–45.

—— Mental deficiency.

See **Mental deficiency**; also **Intelligence; Intelligence test.**

—— Musculoskeletal system.

See also as main heading.

Hawley, S. R. A rapid and acurate method for examination of bones, joints, muscles and extremities. Mil. Surgeon, 1941, **89**: 88–91.—**Toussaint.** L'atrophie musculaire du membre inférieur et l'obésité ne sont pas causes d'inaptitude au service militaire à l'avant. Bull. Soc. chir. Par., 1917, n. s., **43**: 822.—**Weissberg, J. L.** Evaluation of bone-continuity by sound conduction. Bull. U. S. Army M. Dep., 1945, **4**: 471–4.

—— neuropsychiatric.

See **Neuropsychiatric examination.**

—— Organization.

Dittmer, J. E. Army examination and induction routine. Kentucky M. J., 1943, **41**: 161–4.—**Examination** of selectees as a Society activity [Tulsa County Medical] J. Michigan M. Soc., 1941, **40**: 991.—**Experimental** plan of having selectees examined only once by traveling board of Army and civilian physicians is placed in operation in 19 Northwestern Ohio Counties. Ohio M. J., 1941, **37**: 796.—**Farwell, W. G.** Civil hospitals and other aids to the recruiting surgeon. U. S. Nav. M. Bull., 1917, **11**: 580–3, pl.—**Jacobson, P. H.** Statistical and related administrative procedures of the medical examination program. In: Psychobiol. Progr. (Killinger, G. G.) Stanford Univ., 1947, 283–305.—**New York** (50) hospitals offer clinics for draft examinations. Hosp. Management, 1940, **50**: No. 4, 34.—**Physical** examinations for military service. Army M. Bull., 1942, No. 61, 60–7.—**Sharp, J. P.** Coding physical examinations of drafted men for statistics; method used by the Surgeon-General of the Army. J. Am. M. Ass., 1918, **71**: 895–9.—**Teamwork** facilitates examinations of selectees. Pennsylvania M. J., 1940–41, **44**: 1039–41.

—— Physical standards.

See also **Height and weight; Limited service; Recruiting,** Statistics; **Vision.**

UNITED STATES. COMMISSION OF PHYSICIANS APPOINTED TO EXAMINE THE REQUIREMENTS FOR ADMISSION TO THE ARMY, NAVY, AND MARINE CORPS. Report. 133p. 23cm. Wash., 1944.
Forms No. 452, 2. Sess., 78. Congr. U. S. House Doc.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. Physical and psychobiological standards and examinations; title 8: Military-medical courses. 178p. 25½cm. Wash. 1949.
Forms Navpers 10818, U. S. Bur. Nav. Pers.

UNITED STATES. WAR DEPARTMENT. Selective Service Regulations; physical standards. iv, 38p. 8° Wash., 1940.

Barrett, J. W. Manpower. Med. J. Australia, 1942, **1**: 91.—**Bornstein, J. H.** Application of physical standards in mobilization. Mil. Surgeon, 1947, **101**: 315–7.—**Cabezon D., P. N.** Consideraciones sobre reclutamiento. Rev. san. mil., B. Air., 1930, **29**: 334–44.—**Capon, P. J. L.** The experiment on sub-standard recruits. J. R. Army M. Corps, 1937, **68**: 293–304.—**Changes** in physical standards during June 1945 to May 1946. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 246–8.—**Ciocco, A., Klein, H., & Palmer, C. E.** Child health and the Selective Service physical standards. Pub. Health Rep., Wash., 1941, **56**: 2365–75.—**Clarke, L. B.** Active service and the unfit. S. Mary Hosp. Gaz., Lond., 1917, **23**: 66–8.—**Darnall, J. R.** Concerning physical standards for Selective Service. Army M. Bull., 1941, No. 57, 18–27.—**Dowd, K. E.** Only the healthy can fight! Health, Toronto, 1941–42, **9**: No. 4, 6.—**Glaser, E.** Der Wert physischer Eigenschaften für die Beurteilung der Militärdiensttauglichkeit und der Körperentwicklung. Militärarzt, Wien, 1908, **42**: 241; 259; 277.—**Glaspel, C. J.** Presidential address. J. Lancet, 1941, **61**: 325–8.—**High** health standards in warriors. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 53.—**Ibarrola, R.** La aptitud para el servicio de las Armas. Med. & cir. guerra, 1946, **8**: No. 14, 25–9.—**Macfarlan, D.** The physical standards under Selective Service. Arch. Otolar., Chic., 1940, **32**: 1111.—**Menninger, W. C.** The problem of physical standards. In his Psychiat. in a Troubled World, N. Y., 1948, 271–6.—**Morris, L. M.** Recruiting: a review of modern requirements. J. State M., Lond., 1931, **39**: 325–32.—**Mueller, C. R.** Physical conditions that are causes for rejection of applicants for employment in the Northwest Service Command. In: Prev. Med. in World War II, Wash., 1948, **8**: 75–9.—**O'Neil, W.** Fit to fight. Hygeia, Chic., 1943, **21**: 266.—**Physical** disqualification under the Selective Service law. J. Am. M. Ass., 1941, **117**: 114.—**Physical** and moral standards and definitions. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 231–57.—**Physical** (The) standards. Ibid., **1**: 127; **2**: 81.—**Physical** (The) standards, July 1917–November 1918. Ibid., **1**: 31–50.—**Physical** standards for outpost examination. In: Prev. Med. in World War II, Wash., 1948, **6**: 81.—**Physical** (The) standards under Selective Service. J. Am. M. Ass., 1940, **115**: 1548; 1552.—**R.** Le nouveau règlement d'aptitude physique au Service Militaire. Progr. méd., Par., 1916, 3. ser., **31**: 231.—**Report** made by special five-man medical commission. J. Am. M. Ass., 1944, **124**: 929.—**Selective** (The) Service examiner's nightmare. Mil. Surgeon, 1941, **88**: 425.—**Standards** of fitness. Lancet, Lond., 1939, **2**: 83.—**Standards** relating to abdominal organs and wall (tab.) In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 232–4.—**Standards** relating to defects of the extremities (tab.) Ibid., 214–9.—**Standards** relating to dental requirements (tab.) Ibid., 206.—**Standards** relating to diseases of the blood-forming tissues (tab.) Ibid., 241.—**Standards** relating to ears (tab.) Ibid., 202.—**Standards** relating to endocrine and metabolic disorders (tab.) Ibid., 239.—**Standards** relating to eye discases and defects (tab.) Ibid., 197–201.—**Standards** relating to general and miscellaneous defects (tab.) Ibid., 195.—**Standards** relating to genitourinary organs (tab.) Ibid., 235–7.—**Standards** relating to head and skull (tab.) Ibid., 210.—**Standards** relating to heart, blood vessels and circulation (tab.) Ibid., 229–31.—**Standards** relating to height, weight, and chest measurements (tab.) Ibid., 196.—**Standards** relating to lungs and chest wall (tab.) Ibid., 222–8.—**Standards** relating to mental and nervous disorders (tab.) Ibid., 242–5.—**Standards** relating to mouth, nose, fauces, pharynx, trachea, esophagus, and larynx (tab.) Ibid., 203–5.—**Standards** relating to neck (tab.) Ibid., 220.—**Standards** relating to skin (tab.) Ibid., 207–9.—**Standards** relating to spine, scapulae, and sacroiliac joint (tab.) Ibid., 211–3.—**Standards** relating to venereal diseases (tab.) Ibid., 238.—**Thomas, B. S.** Necessity of a yardstick in Selective Service examinations. California West. M., 1941, **55**: 75.—**Wells, C. R.** The significance of changing physical standards in the procurement of manpower. J. Second Distr. Dent. Soc. N. York, 1943, **29**: 1–6.

—— Physical standards: Air Force.

See under **Aviator,** Physical standards; also **Fitness,** Tests.

—— Physical standards: Army.

UNITED STATES. WAR DEPARTMENT. Army regulations No. 40–100; Medical Department: Standards of miscellaneous physical examination. 15p. 8° Wash., 1931.

—— [The same] ... Changes No. 1. 3p. 8° Wash., 1933.

—— [The same] ... Changes No. 2. 4p. 8° Wash., 1934.

—— No. 40–105: Standards of physical examination for entrance into the Regular Army, National Guard, and Organized Reserves. 37p. 8° Wash., 1923.

—— [The same] ... Changes No. 3. 2p. 8° Wash., 1932.

Army physical standards. Mil. Surgeon, 1942, **91:** 107.—**New** physical standards for the Army. N. York State J. M., 1942, **42:** 759.—**Only** men fitted for full duty will be inducted into the Army. Pennsylvania M. J., 1940–41, **44:** 210.—**Physical** defects no barrier to military service in this war. Memphis M. J., 1943, **18:** 62.—**Requirements** for recruits. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 181.—**Shuman, J. W.,** sr, & **Bennett, R. F.** Army recruiting. Med. Rec., N. Y., 1942, **155:** 346.—**Standard** of Army recruits. Lancet, Lond., 1936, **2:** 1494.—[**United** States Army. Surgeon General] Standards of physical examination during mobilization; lungs and chest wall; revised Jan. 15, 1942. Dis. Chest, 1942, **8:** 153–6.

—— Physical standards: Navy.

UNITED STATES. COMMISSION OF PHYSICIANS APPOINTED TO EXAMINE THE REQUIREMENTS FOR ADMISSION TO THE ARMY, NAVY, AND MARINE CORPS. Report. 133p. 23cm. Wash., 1944.

Bell, R. A. Recruit selection. U. S. Nav. M. Bull., 1940, **38:** 301–6.—**Hasimoto, S.** On the physique and condition of the bodies of naval men. Bull. Nav. M. Ass., Tokyo, 1940, **29:** Suppl., 53.—**Kennedy, W. F., Braceland, F. J.,** & **Rome, H. P.** Rationale of naval recruit selection methods. J. Am. M. Ass., 1944, **125:** 548–50.—**Morris, L. M.** Recruiting: A review of modern requirements. J. R. Nav. M. Serv., 1931, **17:** 267–72.—**Ratliff, T. A.** Constitutional inferiority in the Navy. U. S. Nav. M. Bull., 1919, **13:** 728–33.—**Revision** of medical standards for the Navy [Great Britain] J. Am. M. Ass., 1938, **111:** 1481.

—— Pignet index.

Balanesco. On the value of Pignet's Index. Arch. méd. belges, 1934, **87:** Bull. internat., 21–4. Also J. R. Army M. Corps, 1934, **62:** 358–60.—**Berri, C. P.** Valor del numérico Pignet. Rev. san. mil., B. Air., 1921, **20:** 13–24.

—— Problems.

Anderson, A. B. Problems in the medical examination of recruits. Med. J. Australia, 1941, **2:** 108–10.—**Henninger, C. H.** Medical selection of soldiers; stating the problem. Pennsylvania M. J., 1941–42, **45:** 119.

—— Proteinuria.

TEN CATE, H. J. P. *Onderzoekingen over functioneele albuminurie bij militairen [Leiden] 80p. 8° Bergen op Zoom, 1931.

Murphy, W. A. Study of albuminuria in applicants for Naval enlistment. U. S. Nav. M. Bull., 1944, **43:** 321–4.—**Platou, E.** [Albuminuria in recruits] Norsk mag. laegevid., 1919, **80:** 271–3.—**Pohle, F.** Die Deutung der Eiweissausscheidung im Urin und der Blutdrucksteigerung beim jugendlichen Erwachsenen. Deut. Militärarzt, 1940, **5:** 337–40.—**Pospelov, S.** Albuminuria. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 136–8.—**Swartz, D.** Albuminuria. J. Canad. M. Serv., 1944–45, **2:** 36–40.

—— Pulhems.

GREAT BRITAIN. ADMIRALTY, WAR OFFICE, & AIR MINISTRY. Pulhems [Physical capacity, Upper limbs, Locomotion, Hearing, Eyesight, Mental capacity, Stability, emotional]; a system of medical classification for the fighting services. Rev. ed. 27 l. 28cm. Lond., 1946.

GREAT BRITAIN. WAR OFFICE. Pulhems; a system of army medical classification based on the system used by the Canadian Army with modifications to meet the special circumstances and needs of the British Army. 25p. 24½cm. Lond., 1944.

Fletcher, R. T. Pulhems, a new system of medical classification. Brit. M. J., 1949, **1:** 83–8.—**Meakins, J. C.** The Pulhems system of medical grading. Canad. M. Ass. J., 1943, **49:** 349–54. ——— Pulhems profiles for Army medical officers. J. Canad. M. Serv., 1943–44, **1:** 236–41.

—— Recategorization.

See also **Aviator,** Reexamination.

Downgrading as a measure of wastage. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 193.—**Medical** examination and recategorization in the U. K. 1943 and 1944. Ibid., 125–32.—**Medical** recategorization and physique. Ibid., 125–37.—**Medical** recategorization in physical development centres, January 1944–June 1945. Ibid., 133–5.

—— Reporting (incl. forms)

Medical survey; forms and instructions. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2:** 66–77.—**Miscellaneous** forms and instructions. Ibid., 57–65.—**Records** [reports of physical examinations] Ibid., 212–7.—**Reports** of physical examination and induction, forms and instructions. Ibid., 3–53.

—— Respiratory system.

See also **Respiratory system.**

Anthony. Funktionsprüfungen bei Lungenkranken in Wehrmachtlazaretten. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 238–40.—**Bass, H. E.,** & **Kooperstein, S. I.** Demonstration of hidden apical chest lesions. Bull. U. S. Army M. Dep., 1945, No. 84, 102.—**Seymour, M. W.** Disqualifying pulmonary defects in 100,000 selectees examined radiographically by an Armed Forces induction station. Ohio M. J., 1944, **40:** 1041–5.—**Steinert, R.** De militaere lungeundersøkelser. Tskr. Norske laegeforen., 1946, **66:** 579.—**Tomšik, L.** [Systematic examination of the pectoral organs in recruits with Roentgen rays] Voj. zdrav. listy, 1935, **11:** 62–74.

—— Responsibility.

Fribourg-Blanc, A. Aptitude au Service Militaire et responsabilité pénale. Paris méd., 1933, **89:** 404–8.—**Lockhart, J. C.** La responsabilidad médica en la incorporación de conscriptos al Servicio Militar. Presna méd. argent., 1934–35, **21:** 284–93.

—— serological.

See also **Serology.**

Carlson, W. A. Can it happen here? A plea for more serology. Flight Surgeon Topics, 1939, **3:** 97–9.

—— Technic.

See also **Fitness,** Constitution.

Boucher, H. E., & **Perry, C. S.** Technique for Selective Service group examinations. Ohio M. J., 1941, **37:** 582.—**Brownlee, C. Y.** General medical examination of recruits. Boston M. & S. J., 1917, **177:** 232.—**Henderson, P. H.** Assessment of physical fitness in the Services. J. R. Army M. Corps, 1933, **61:** 321–9.—**Medical** circular No. 4 [medical survey] In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2:** 194–201.—**Medical** and social histories to be secured on selectees. J. Am. M. Ass., 1943, **123:** 565.—**Novarro, M.** Reglas de conducta que pueden seguir los cirujanos militares para el reclutamiento. Rev. san. mil., La Paz, 1938, **4:** 615–8.—**Physical** examination, classification and induction. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2:** 271–339.—**Physical** examination procedures. Ibid., **1:** 111–25.—**Thiéraut.** L'incorporation dans l'armée; méthodes actuelles de sélection. Strasbourg méd., 1949, **109:** 213.—**Wenzig.** Die Verwendbarkeit arbeitsphysiologischer Methoden im Reichsheer. Aerztl. Mschr., 1927, 129–38.—**Willcox, C.** Physical examination of large bodies of men. Mil. Surgeon, 1917, **40:** 411–22.

—— terminal.

UNITED STATES. WAR DEPARTMENT. Technical manual TM 8–255: Terminal physical examination on separation from Military Service. 34p. 26cm. Wash., 1945.

Murillo, R. Medical inspection of recruits before and after their Military Service. Arch. méd. belges, 1934, **87:** Bull. internat., 337–41.

—— Test.

See **Aviator; Fitness,** Test; **Neuropsychiatric examination; Vision.**

—— Thoracic radiography.

See also **Thorax.**

Galluccio, A. C. The advantages of supplemental radiographic studies at time of induction. Mil. Surgeon, 1945, **96:** 262–5.—**Miniature** radiography and sputum examination in 100,000 Australian recruits. J. R. Army M. Corps, 1941, **76:** 345.—**Phillips, L. D.** The X-ray examination of selectees. Delaware M. J., 1941, **13:** 161.—**Price-Thomas, C.** Chest injuries in recruits. Med. Press & Circ., Lond., 1942, **207:** 322–6.—**Schmidt, W.** Ueber die Notwendigkeit und praktische Durchführung der obligatorischen Röntgenuntersuchung beim Musterungsgeschäft. Tuberkulose, Münch., 1936, **16:** 108–14.—**Sieur.** De la radioscopie systématique des recrues en France. Arch. méd. belges, 1936, **89:** Bull. internat., 297–308. Also Sess. Off. internat. docum. méd. mil. (1935) 1937, 5. Sess., 53–66.—**Umemoto, H., & Kato, S.** Syōwa 15-nendo Yamagata Rentai-ku tyōhei kensa ni okeru kyō-bu syūdan x-sen kensa ni tuite [Mass roentgen ray thorax examination in examinations for conscription in 1940 in the Yamagata Regimental District] Gun idan zassi, 1943, 1199–218.—**Várady, K.** [Roentgen examination in the Military Service at time of war] Budapesti orv. ujs., 1941, **39:** 133–5.

—— by countries.

Engelsen, H. [Revision of rules governing recruiting] Norsk tskr. mil. med., 1930, **34:** 119–21.—**Figueroa, M.** Reconocimiento médico de conscriptos. Rev. san. mil., B. Air., 1921, **20:** 921–9.—**Firmino Sant'Anna, J.** A selecção médica dos recrutas e auxiliares das forças indígenas nas colónias portuguesas. An. Inst. med. trop., Lisb., 1943–44, **1:** 145–86.—**Guiral, R.** La capacidad visual desde el punto de vista de la aptitud para el servicio militar; su comprobación por el cromo-optometro semáforo. Rev. med. cir. Habana, 1921, **26:** 841–65.—**Mayoral Pardo, D.** Sobre bases científicas debe descansar y practicarse el reclutamiento en el Ejército mexicano. Rev. méd. mil., Méx., 1938, **1:** 73–80.—**Pérez Aranibar, E.** Proyecto de reglamento de excepciones y dispensas para el Servicio Militar. Rev. san. mil., Lima, 1937, **10:** 84–97.—**Plaňanský, K.** O výběru a třídění brancŭ pro dnešní armádu. Lek. wojsk., 1943, **35:** 134–41.—**Rosztóczy, E.** Ueber die Resultate der von den Honvédärzten durchgeführten Rassenuntersuchungen. Zbl. ges. Hyg., 1943, **51:** 121 (Abstr.)—**Saugman, E.** Den kongelige Anordning verdrørende: bedømmelsen af det værnepligtige mandskabs tjenstdygtighed og det undskrevne mandskabs fordeling af 25. Februar 1938. Militaerlaegen, 1938, **44:** 8–22—**Sokalj, A.** Zdravstvena kartoteka. Voj. san. pregl., Beogr., 1949, **6:** 494–7.—**Thomann.** Prescriptions concernant l'aptitude au Service Militaire. Arch. méd. belges, 1924, **77:** 419–21.—**Trejo, C.** El reclutamiento higiénico y el reglamento de excepciones ante la ley militar. Sem. méd., B. Air., 1921, **28:** 76–81.—**Wacek, S.** [Examination and estimation of adaptability for military service in ancient Poland] Lek. wojsk., 1939, **33:** 203; 339; 453.

—— by countries: Australia.

Callow, F. H. McC. Examination of recruits for the Army. Med. J. Australia, 1941, **2:** 702; Disc., 725–8.—**Hayward, L. A., Gill, F. L.** [et al.] The medical examination of recruits. Ibid., 124.—**Medical** examination of recruits [Australia] J. Am. M. Ass., 1938, **110:** 1686.—**Simpson, F. W.** Examination of recruits for the army. Med. J. Australia, 1942, **1:** 91. —**Taylor, R. J.** Examination of recruits for the army. Ibid., 1941, **2:** 700–2; Disc., 725–8.—**Troup, G. R.** The medical examination of Army recruits. Ibid., 110.

—— by countries: Brazil.

Novais Castelo Branco, L. O criterio médico na admissão à Escola naval. Arq. brasil. med. nav., 1941, **2:** 200–12.

—— by countries: Canada.

CANADA. DEPARTMENT OF NATIONAL DEFENCE. Physical standards and instructions for the medical examination of serving soldiers and recruits for the Canadian Army, active and reserve. 2. ed. 148p. 21cm. Ottawa, 1943.

Department of National War Services, medical examination of trainees. Bull. Vancouver M. Ass., 1940–41, **17:** 209.—**Hagerman, A. R.** Examination of the recruit. Canad. M. Ass. J., 1940, **43:** 314–6.—**LeBlond, S.** Notes pour servir à l'examen des recrues. Laval méd., 1942, **7:** 317–24.—**Merritt, J., & Peabody, J. A.** Medical examination of Students Canadian Officers' Training Corps, Dalhousie University. Nova Scotia M. Bull., 1941, **20:** 53–60.—**Robert, P.** L'examen médical des recrues dans l'Armée. Union méd. Canada, 1947, **76:** 168–73.

—— by countries: Chile.

Aldunate, R. Selección del personal del Cuerpo de carabineros de Chile. Congr. med. cir. nav. mil. Chile, 1929, 353–6.—**Armas Cruz, R.** Disposiciones para el exámen médico de los aspirantes a carabineros. Ibid., 338–43.—**Prieto, A. D.** Condiciones visuales de las personas que desean incorporarse o deban eliminarse del Cuerpo de carabineros. Ibid., 375.—**Soto, M. J.** Selección del personal de la Marina y el Ejército. Ibid., 365–9.

—— by countries: France.

Boyé, R. L. J. L'incorporation telle que la loi du Ier avril, 1923, permet de la concevoir; principales difficultés et moyens pratiques de les résoudre. Arch. méd. pharm. mil., 1924, **80:** 290–315.—**Heuraux.** Présentation d'un questionnaire aide-mémoire pour l'examen des recrues, des engagés volontaires. Bull. Soc. méd. mil. fr., 1923, **17:** 280–3.—**Millous, P.** Utilité de la toise, du ruban métrique et de la bascule pour aider à juger de l'aptitude des annamites au Service Militaire. Ann. méd. pharm. col., Par., 1925, **23:** 325–32.—**Pennanéac'h.** Notes d'examen d'urgence pour le médecin de garde. Arch. méd. pharm. nav., 1937, **127:** 768–77.

—— by countries: Germany.

GERMANY. OBERKOMMANDO DER KRIEGSMARINE [Marine-Druckvorschrift] M. Dv. 457: Dienstanweisung zur Beurteilung der Dienstfähigkeit für die Kriegsmarine und zur Austellung von marineärztlichen Zeugnissen im Kriege oder bei besonderem Einsatz. 142p. 21cm. Berl., 1942.

GERMANY. REICHSWEHRMINISTERIUM. Fehlertabelle für militärärztliche Untersuchungen. folded tab. 8° Berl., 1936.

KUNOW, O. Musterung, Aushebung und Prüfungsgeschäft; für Sanitätsoffiziere und die bei diesen Geschäften mitwirkenden Offiziere und Zivilbeamten. 2. Aufl. 180p. 23cm. Berl., 1907.

Müller, H. Der Ersatz des Heeres. Münch. med. Wschr., 1934, **81:** 1160–2.—**Organisation** und Handhabung der ärztlichen Untersuchung auf dem Gebiete des militärischen Versorgungswesens. Deut. med. Wschr., 1919, **45:** 268–70.—**Physical** examinations for Army service (Germany) J. Am. M. Ass., 1936, **106:** 2171.

—— by countries: Great Britain.

GREAT BRITAIN. WAR OFFICE. Instructions for the physical examination of recruits, and for the discharge of recruits with less than six months' service, considered unfit on medical grounds. 27p. 12° Lond., 1932. ALSO another edition. 29p. 19cm. Lond., 1937.

MARSHALL, H. Hints to young medical officers of the Army on the examination of recruits, and respecting the feigned disabilities of soldiers; with official documents, and the regulations for the inspection of conscripts for the French and Russian Armies. 224p. 8° Lond., 1828.

Choosing the fighter. Lancet, Lond., 1942, **1:** 231.—**Fordham, M.** Selection for the Army. Brit. M. J., 1941, **2:** 490.—**Medical** examination for the services. Ibid., 1940, **1:** 875.—**Richardson, D. T.** Medical standards of recruits one hundred years ago. J. R. Army M. Corps., 1938, **71:** 1–7.—**Selection** for the Army. Brit. M. J., 1941, **2:** 410.

—— by countries: India.

INDIA. ARMY. MEDICAL DIRECTORATE. Medical board proceedings; Anglo-Indians and domiciled Europeans ranks of the Corps of I. E. enrolled under the Indian Army Act. p.1–2. 25cm. Delhi, 1945.

Forms No. 255, Admin. Instr. M. Dir. Army India.

—— Medical examination of recruits. p.2. 25cm. Delhi, 1945.

Forms No. 257, Admin. Instr. M. Dir. Army India.

James, J. F. How to examine recruits. Ind. M. Gaz., 1918, **53:** 136.—

—— by countries: Italy.

Cirenei, A. Note sul servizio dei portaferiti in guerra. Gior. med. mil., 1941, **89:** 607–17.—**Lampis, E.** Visus e inabilità a lavoro proficuo (Art. 85 del testo unico delle leggi sul reclutamento del R. Esercito) Ibid., 1930, **78:** 421–46.

—— by countries: Japan.

Kimura, Y. Kensui nōryoku ni tuite [On the ability to hang by the hands as decided by examining the entrants to the Navy] Kaigun gun-ikai zassi, 1939, **28:** 102–110.—**Nagayama, T., Kimura, S., & Okamura, T.** Kensui-ryoku ni kan-suru kenkyū [On the ability to hang by the hands as decided by testing the entrants to the Navy] Ibid., 1940, **29:** 713–8.—**Ohsugi, Y.** Tyōhei sintai kensa ni kan-suru kenkyū [Study concerned with physical conscription examination] Gun idan

zassi, 1929, No. 190, 317–20.—**Sindō, N. & Kanitu, M.** Rikugun sintai kensa tetuzuki-fu hyō ni kan-suru gigi oyobi kaitō [Questions and answers regarding the attached table of military physical examination procedures] Ibid., 1927, 89–99.—**Uno, K.** Sintyū-gun kankei Nippon-zin rōmusya no kensin seiseki [Results of the physical examination of the Japanese service men working for the occupation army] Sogo igaku, 1947, **4**: 765–8.

—— by countries: Russia.

Kuśelev, V. P. Morfologićeski-funkcionalnyj index kak metod ocenki obśćej kreposti otdelnogo organizma i voinskikh kollektivov. Voen. med. J., Moskva, 1931, **2**: 157–61.—**Rosenblum, D., & Mendjuk, K.** Opyt ocenki fizićeskoj podgotovlennosti bojca na manevrakh. Ibid., 450–9.

—— by countries: Spain.

Morales, D. A. El nuevo cuadro de inutilidades que regula el ingreso en el ejército español y acompaña al proyecto de ley de reclutamiento de 1909. Actas Soc. oft. hisp. amer., 1909, **6**: 131–7, tab.—**Nueva** (De la) ley de reclutamiento; enfermedades y defectos que determinan la exclusión total del servicio militar. Rev. san. mil., Madr., 1924, 3. ser., **14**: 202; passim.

—— by countries: Switzerland.

Hegglin. Zu einem Plenarentscheid des Eidgenössischen Versicherungsgerichtes; Konsequenzes für die Durchführung der sanitarischen Eintrittsmusterung. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 163–6.—**Hopf, M.** Die röntgenologische Beurteilung der Stellungspflichtigen und Rekruten in der Schweizer Armee. Schweiz. med. Wschr., 1934, **64**: 683–8.—**Theiler, K.** Die Brustmessungen bei den Rekrutenaushebungen der Schweizer Armee. Vjschr. schweiz. Sanitätsoff., 1924, **1**: 58–65.—**Walther, H. E.** Die Röntgenuntersuchung der Stellungspflichtigen und Rekruten in der Schweizerischen Armee. Acta radiol., Stockh., 1930, **11**: 411–24, 2 pl. ——— Zur Organisation des radiologischen Dienstes in der Schweizerischen Armee. Schweiz. med. Wschr., 1936, **66**: 163.

—— by countries: United States.

See also **Selective Service.**

GREVE, C. H. Physical examinations of Selective Service registrants during wartime. 137p. 27cm. Wash., 1944.
Forms No. 3, Med. Statist. Bull.

PHYSICAL examinations under the selective service. 41p. 8° Chic., 1918.

UNITED STATES. SELECTIVE SERVICE SYSTEM. Special monograph, No. 15: Physical examination of Selective Service registrants. 3v. 23cm. Wash., 1948.

Balderston, S. V. Physical examination on entering service; Selective Service men. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 444–73.—**Bergsma, D.** The examination of draftees. Pub. Health News, Trenton, 1941, **25**: 214.—**Bier, R. A.** The preliminary physical examination in Selective Service. Kentucky M. J., 1943, **41**: 156–61.—**Carp, L.** Induction examination for inguinal hernia. Surg. Gyn. Obst., 1944, **78**: 640–2.—**Experimental** (An) plan of examining selectees put in operation in Pennsylvania. Pennsylvania Health, 1941–42, **2**: No. 4, 48.—**Lee, G. W.** Physical examination by local Selective Service examiners. J. Indiana M. Ass., 1942, **35**: 636.—**Medical** circular No. 3: Preliminary physical examination. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 190–3.—**Morris, S. J., & Shields, W. S.** Physical examinations on entering service. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 431–43.—**Operation** of trial plan of providing selectees with single medical examination extended to 10 additional counties. Ohio M. J., 1941, **37**: 879.—**Physical** examination by the Armed Forces (Part 629) In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 109–32.—**Physical** examinations under the Selective Service. J. Am. M. Ass., 1918, **71**: 27; 113.—**Selective** Service examinations. Week. Bull. S. Louis M. Soc., 1940–41, **35**: 444. Also Mil. Surgeon, 1941, **88**: 674.—**Selective** Service regulations; physical examinations of registrants. J. Am. M. Ass., 1918, **70**: 317–22.—**Selective** Service regulations for preliminary examination of registrants. J. Iowa M. Soc., 1943, **33**: 232–4.—**Selective** Service system; guide to physical examination of registrants, Medical Circular No. 3, March 1, 1943. J. M. Ass. Alabama, 1942–43, **12**: 346–51.—**Verstandig, C. C.** The physical examination at the Induction Station; New Haven Recruiting and Induction Station. Connecticut M. J., 1945, **9**: 439–41

—— by countries: United States—Army.

See also subheading (Physical standards: Army)

HENDERSON, T. Hints on the medical examination of recruits for the Army. 44p. 23cm. Phila., 1840.

UNITED STATES. ARMY. 7TH CAVALRY. CAMP MCGRATH. Physical progress charts 1 to 104. 104 ch. 33cm. Batangas, P. I., 1907.

Army physical rules as to teeth and eyes liberalized. Ohio M. J., 1942, **38**: 257.—**Cooley, E. E.** The physical examination for admission to the United States Military Academy. Army M. Bull., 1936, **36**: 40–8.—**Frazer, T.** An abstract of U. S. Army Regulations governing examination of recruits. South. M. J., 1917, **10**: 678.

—— by countries: United States—Navy.

See also subheading (Physical standards: Navy)

Farenholt, A. A plea for greater care in the performance of duty by medical officers at recruiting stations. U. S. Nav. M. Bull., 1917, **11**: 318–25.—**Lane, J. D.** The physical examination of naval recruits. West. M. Times, 1917, **37**: 15.—**Parham, J. C.** The handling of recruits at the recruit depot, Marine Barracks, Parris Island, S. C., with special reference to physical examination. U. S. Nav. M. Bull., 1921, **15**: 740–8.—**Physical** examinations [for entrance into Navy and Marine Corps] In: Manual M. Dep. U. S. Navy, Wash., 1942, 109–92.—**Thomas, G. E., & Agnew, W. J. C.** Recruiting duty a plea to medical officers for increased efficiency. U. S. Nav. M. Bull., 1939, **37**: 276–9.

MEDICAL examiner.

See also **Recruiting board.**

Backenstoe, G. S. The viewpoint of the local medical Selective Service examiner. Pennsylvania M. J., 1941–42, **45**: 121.—**Badger, E. B.** The medical profession and its responsibilities to Selective Service in its military manpower operations. Rocky Mountain M. J., 1943, **40**: 41.—**Bigger** job in store for medical examiners as Selective Service prepares to fill Ohio's next quota of draftees. Ohio M. J., 1941, **37**: 58.—**Hitchcock, R.** Registration required. J. Indiana M. Ass., 1940, **33**: 464–6.—**Kopetzky** (Dr) heads draft board physicians in New York. J. Am. M. Ass., 1940, **115**: 1643.—**McBee, M., & Stevenson, G. S.** The rôle of the psychiatric social worker in the selection of men for the Armed Forces. Am. J. Psychiat., 1942–43, **99**: 431–4.—**Medical** examiners appointed. Wisconsin M. J., 1940, **39**: 966.—**Number** of Local Board examining physicians appointed, number of original appointments and number serving as of June 30, 1946 [tab.] In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 309.—**Osler, W.** War wastage: a note of warning to examiners of recruits. J. Am. M. Ass., 1917, **69**: 290.—**State** and local medical preparedness committees assist Governor in picking medical examiners for draft boards and personnel for advisory boards. Ohio M. J., 1940, **36**: 1215.—**Turnbull, R. J. D.** Problems of an Army medical examiner. Med. J. Australia, 1941, **2**: 111–4.—**Zinsser, H.** On the medical control of mobilization. Mil. Surgeon, 1940, **87**: 214–21.

MEDICAL fee.

See **Fee.**

MEDICAL Field Service School.

See under **School.**

MEDICAL history (of wars)

See also **Historical officer; History.**

Gondos, V., jr. Army historiography; retrospect and prospect. Mil. Affairs, 1943, **7**: 133–40.—**Steele, R. V.** Military medical history. Brit. M. J., 1921, **1**: 323.

—— Project for World War I.

See also **World War I.**

Australian medical history of the Great War. Med. J. Australia, 1940, **1**: 590–4.—**Australian** (The) medical history of the war. Ibid., 1920, **1**: 215.—**McAfee, L.** Historical Division, Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 525–8.—**Medical** (The) history of the war. Med. J. Australia, 1918, **2**: 471–3.—**Medical** History of the War. Mil. Surgeon, 1920, **47**: 112.

—— Project for World War II.

See also **World War II.**

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE [The history of the United States Army Medical Department in World War II; guiding principles of the history and outline] 44p. 19½ x 26cm. Wash., 1947[?]

Call (A) for historical reports. Bull. U. S. Army M. Dep., 1945, **4**: 17.—**Fulton, J. F.** Prospectus of a medical history of the war of 1941 to 19—. War Med., Chic., 1942, **2**: 847–59.—**Further** developments in plans for the medical history of World War II. Bull. U. S. Army M. Dep., 1944, No. 81, 14.—**Kirk,**

N. T. Material for medical history. Ibid., No. 80, 44.—**Love, A. G.** Plans for a medical history of the emergency. Army M. Bull., 1942, No. 60, 24–37.—**MacNalty, A. S.** Medical history of the war. Brit. M. J., 1943, 1: 455. ——— The official medical history of the war. J. R. Army M. Corps, 1943, 81: 51–60. ——— Medical history of World War II. War Med., Chic., 1944, 5: 92–4.—**McNinch, J. H.** Plans for the preparation of the Army Medical Department history, World War II. Bull. Hist. M., 1946, 20: 167–72.—**Meeting** of Historical Advisory Board. Bull. U. S. Army M. Dep., 1946, 6: 28–30.—**Mellor, W. F.** The official medical histories of the War of 1939 to 1945. Med. J. Australia, 1949, 1: 818–20.—**National** Research Council's projected Medical History of the War. J. Am. M. Ass., 1945, 127: 527.—**New** approach to the medical history of World War II. Bull. U. S. Army M. Dep., 1944, No. 77, 67–72.—**Official** (An) medical history of the War. J. Am. M. Ass., 1942, 118: 1234; 1943, 122: 325.—**Official** medical history of the War. R. Nav. M. Bull., 1945, No. 17, 10–22.—**Pozner, H.** Medical history of an action. J. R. Army M. Corps, 1944, 83: 183–7.—**Progress** in program for [compiling] medical history. J. Am. M. Ass., 1944, 126: 1156.—**Roddis, L. H.** The plans and present status of the naval medical history of World War II. U. S. Nav. M. Bull., 1949, 49: 1107–11.—**Supply** and finance volume in the Medical Department history. Bull. U. S. Army M. Dep., 1945, 4: 425.

MEDICAL inspection.

See under **Inspection.**

MEDICAL intelligence.

See under **Intelligence.**

MEDICAL journalism.

See **Journalism.**

MEDICAL laboratory.

See also **Bacteriology, Laboratory; Fecal matter, Examination; Laboratory; Medical technic.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/21: Packordnung des Klinischen Handlaboratoriums; Packordnung; Arbeitsvorschrift, vom. 1. 1. 43. 19p. 21cm. Berl., 1943.

Johnson, J. B., jr, & Wilson, G. H. The Army mobile medical laboratory. p. 354–406. 27½cm. Wash., 1946.
In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash.

United States. Army. 18th Medical General Laboratory. Monthly report, March 1946. 11 l. 27cm. [n. p.] 1946.

United States. Veterans Administration. Technical bulletin TB 10A–66: Branch area reference laboratories. 2p. 27cm. Wash., 1947.

Aleksandrov, N. Laboratornoe oborudovanie. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 323.—**Blackwell, A.** A military hospital laboratory. Canad. J. M. Techn., 1944, 6: 16–9.—**Campbell, D. M.** Use of the laboratory. Vet. Med., Chic., 1944, 39: 122–5.—**Clinical** and public health laboratories in the Army. Bull. U. S. Army M. Dep., 1946, 6: 7.—**Dammin, G. J.** Wartime Army medical laboratory activities; the wartime Army medical laboratory organization. Am. J. Pub. Health, 1947, 37: 811–4. ——— The wartime Army medical laboratory organization. Washington Univ. M. Alumni Q., 1947–48, 11: 8–13.—**Distribution** of hospital laboratories in the United Kingdom, 31 December 1944 [map] In: Prev. Med. in World War II, Wash., 1948, 2: pt 7, opp. p. 8.—**Edip Beker.** Bakterioloji laboratuvarlarina gönderilecek maddelerin hazirlanma ve gönderme usulleri. Askeri sihhiye mecmuasi, 1942, 71: 78–83.—**Functions** of the Northwest Service Command Medical Laboratory. In: Prev. Med. in World War II, Wash., 1948, 8: 45–53.—**Gear, J. H. S.** The Medical Laboratory Service of the South African Medical Corps. S. Afr. M. J., 1947, 21: 527–34.—**Gordon, J. E.** Central laboratory service. In: Prev. Med. in World War II, Wash., 1948, 2: pt 7, 4–6.—**Gowen, G. H.** A mobile laboratory in North Africa. Bull. U. S. Army M. Dep., 1946, 6: 155–9.—**Hudson, A. E. A.** Improvised underground laboratory. Ibid., 1944, No. 77, 120.—**Johnson, J. B., jr, & Wilson, G. H.** Text of Medical Department Laboratory report on road test of trailer laboratory, dated 25 April 1941. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 652–7. ——— Text of Second Medical Laboratory's report of field test of trailer laboratory, dated 16 October 1941. Ibid., 658–63. ——— Text of final test report on the truck, 2½ ton, laboratory, medical, Army, for period 13 February 1944 to 15 March 1944, inclusive. Ibid., 664–71. ——— Copy of report of inspection of trucks made at Army Medical Purchasing Office by representative of Medical Department Equipment Laboratory. Ibid., 684–6.—**Khromulov, P. N.** O rabote okhruźnoj sanitarno-epidemiologićeskoj laboratorii. Voen. san. delo, 1940, No. 6, 83.—**Korostelev, V.** Sanitarno-epidemiologićeskie laboratorii Voenno-morskikh sil. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1410.—**Laboratory,** field, for division. Jap. M. Equip. Rep., 1946, No. 189, 1–26.—**New, W. N.** Medical Field Research Laboratory. Hosp. Corps Q., 1944, 17: No. 5, 19–24.—**Overseas** with a laboratory. Bull. U. S. Army M. Dep., 1944, No. 74, 50.—**Rozdestvensky, V.** Podviźnaja sanitarno-epidemiologićeskaja laboratorija. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 675–7. ——— & **Malakhov, B.** Laboratorii voenno-medicinskie. Ibid., 3: 317–23.—**Starkey, D. H.** Laboratory services. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 6, 23–6.—[**U. S.** Army Medical School Laboratory] For Photogr. ca. 1901–02, see collection in Library.—**Van Auken, H. A.** Development of laboratory services in India-Burma Theater. In: Prev. Med. in World War II, Wash., 1948, 4: pt 1, 41–4.—**Vianna, A.** Os laboratorios civis durante as guerras. Laborat. clin., Rio, 1928, 8: 5.—**Wells, B. B.** The administration of fixed hospital laboratories. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 27, 8–12. ——— The administration of fixed hospital laboratories. Bull. U. S. Army M. Dep., 1946, 5: 601–4.

—— Air Force.

United States. Air Force. Aero Medical Laboratory [Wright Field, Ohio] Memorandum report. Dayton, 1943–

—— Monthly project reports. Wright Field, May 1946–

—— Annual summaries; university contracts with Aero Medical Laboratory. Dayton (1946/47) 1947–

United States. Air Force. Arctic Aeromedical Laboratory. Project. Ladd Air Force Base, No. 1, 1948–

—— Quarterly research report. Ladd Air Force Base, Jan./Mar. 1948–

United States. Navy. Aero Medical Equipment Laboratory. Monthly memorandum for Equipment and Material Section, Bureau of Aeronautics. Phila., July 1948–
For earlier reports see **Weekly memorandum** for Equipment and Material Section; Aero Medical Department, U. S. Navy.

Heim, J. W., & Armstrong, H. G. A laboratory for research in aviation medicine. J. Aviat. M., 1937, 8: 75–80. ——— Medicina de aviación; un laboratorio para investigaciones en la especialidad. Rev. san. mil., B. Air., 1937, 36: 859–63.—**Maxwell, C. L.** Visits to aviation medical research laboratories and flight examination clinic at Berlin, Germany, August 9, 10, and 11, 1938. Flight Surgeon Topics, 1939, 3: 49–61.

—— dental.

See **Dental laboratory.**

—— Manuals and methods.

See also **Medical technician; Medical technic.**

Babey, A. M., & Nerb, L. Some diagnostic laboratory aids in military medicine. 36p. 23cm. Brooklyn, 1942 [?]

Denver, Colorado. Fitzsimons General Hospital. School for Medical Department Enlisted Technicians. Laboratory section: Notes for laboratory technicians. Rev. ed. 119p. 26cm. Denver, 1943.

Lipp, H. Empfindliche, einfache und rasch ausführbare Untersuchungsmethoden; für Lazarett-Laboratorien und praktische Aerzte. 2. Aufl. 104p. 17½cm. Münch., 1917.
Forms No. 4, Taschenb. Feldarzt.

Simmons, J. S., & Gentzkow, C. J. Laboratory methods of the United States Army. 5. ed. 823p. 24cm. Phila., 1944.

United States. Army. Medical Department Enlisted Technicians School. Course for dental technicians. 128p. 26cm. Fort Sam Houston, 1942.

—— [Laboratory manual] 3 pts in 1 v. 28cm. Ft Sam Houston, 1944.

—— Laboratory technician's manual. 3. ed. 1v. 305p. 26cm. Fort Sam Houston, 1944.

United States. Army. Surgeon General's Office. Laboratory methods of the United States Army. 2. ed. 354p. 15cm. Phila., 1919.
Forms No. 6, Med. War Manual.

United States. Department of the Army. Technical manual, TM 8-227: Methods for laboratory technicians. Rev. ed. 618p. 23½cm. Wash , 1947.

United States. Veterans Administration. Technical bulletin TB 10A-5: Instructions for preparation of Monthly Clinical Laboratory Report. 4p. 27cm. Wash., 1946.

United States. War Department. Technical bulletin TB MED 135: Function and scope of Medical Department laboratories. 10p. 26cm. Wash., 1945.

Aleksandrov, N., Semenov, L., & Shalfeeva, M. Laboratornye metody issledovanija. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 324–43.—**Januschke, E.** Einige kriegswirtschaftliche Massnahmen beim Untersuchungsbetrieb. Berl. tierärztl. Wschr., 1940, 575.—**Kaps, L.** Truppenärztliche Erfahrungen mit dem Taschenlaboratorium Uroserognost. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 481–96.—**Matz, J. N.** Izgotovlenie standartnoj aggljutinirujuščej syvorotki v uslovijakh PPG. Voen. med. J., Moskva, 1946, No. 3, 28–30.—**Maurer, F. D.** A head holder for laboratory animals. Bull. U. S. Army M. Dep., 1949, **9**: 348–50.—**Mayer.** Besondere forensische und toxikologische Untersuchungen. Ber. Arbeitstag. Ost. berat. Fachärzte, 1943, 3. Congr., 214.—**Schröer.** Die Vereinheitlichung der Liquordiagnostik in den Hyg. U.-Stellen. Ibid., 126–9.—**Shuey, H. E., & Cebel, J.** Standards of performance in clinical laboratory diagnosis. Bull. U. S. Army M. Dep., 1949, **9**: 799–815.

—— naval.

Balch, A. W. Laboratory work aboard ship. Mil. Surgeon, 1907, **20**: 171–80. Also French transl., Arch. méd. nav., Par., 1907, **88**: 14–25.—**Clifford, A. B.** Laboratory studies and observations during the year 1908. U. S. Nav. M. Bull., 1909, **3**: 114–20.

MEDICAL log.

Oudard, P. A. Le croiseur l'Alger en Extrême-Orient. p.161–210. 21½cm. Par., 1909.
Arch. méd. nav., Par., 1909, **92**:

Philip, H. Two rings and a red, a naval surgeon's log. 135p. 22cm. Lond., 1944.

Barthélemy. Rapport médical sur le Bouvet. Arch. méd. pharm. nav., 1909, **91**: 25–38.—**Burbure, A. de.** Journal de bord d'un chirurgien maritime wallon; deux campagnes au long cours dans les eaux boréales, 1787–1788. Bruxelles méd., 1938–39, **19**: 410–3.—**Hooker, R. W.** A ship surgeon's log. California West M., 1935, **43**: 209–12.—**James, R. R.** A naval surgeon's log, 1781-1783. J. R. Nav. M. Serv., 1933, **19**: 221–40.—**Lowndes, C. H. T.** The medical log of the U. S. S. Virginia on the cruise to the Pacific. Mil. Surgeon, 1909, **24**: 301–7.—**Mirquet.** La Marche en Indo-Chine. Arch. méd. pharm. nav., 1910, **93**: 260–9.—**Quéré.** Voyage de la Zélée dans le Pacifique (1908) Ibid., 1909, **92**: 342–55.

MEDICAL officer.

See also **Chiropodist; Chiropody Corps; Decoration; Flight surgeon; Health Officer; Medical consultant; Medical Corps; Medical Service Corps; Naval surgeon; Physician; Reserve officer,** medical.

Unger, H. Helfer und Soldaten, ein Buch vom Kriege. 310p. 20½cm. Berl., 1943.

Applequist, L. The medical profession in war. Illinois M. J., 1939, **75**: 272.—**Baker, J. N.** The medical officer of health in the present crisis; presidential address. Proc. Conf. Health Author. N. America, 1941, 56. meet., 12–21.—**Blech. G. M.** The surgeon's share in winning the battles. Am. J. Clin. M., 1917, **24**: 632–6.—**Dempster, J. H.** The military surgeon. Detroit M. J., 1917, **18**: 263.—**Doctor** (The) in modern warfare. Brit. M. J., 1905, **1**: 1051.—**Haas, A.** Die harte Pflicht ruft dich ins Feld [poem] In: Sanitätstruppen, Zür., 1942, 66.—**Hume, E. E.** La colaboración del médico militar y el médico civil. Arch. peru. pat. clín., 1948, **2**: 485–94.—**Lee, R. V.** The Army doctor. California West. M., 1946, **64**: 9–13.—**Majocchi, A.** Tragikomisches Intermezzo. In his Nachtwachen, Frauenfeld, 1946, 161–75.—**Paget, S.** Servi servorum Dei. Nature, Lond., 1915, **95**: 233.—**Questions** of interest to medical officers. J. Am. M. Ass., 1918, **70**: 1325.—**Robertson, D. E.** Soldiers and doctors. Bull. Acad. M. Toronto, 1939, **13**: 33–43.—**Voncken, J.** Les possibilités de la médecine militaire. Arch. Serv. san. Armée belge, 1947, **100**: 1–15.—**Williamson, C. S.** Problems of the army surgeon. Bol. As. méd. Puerto Rico, 1941, **33**: 359–61.

—— civilian.

See also **Physician** subheadings.

Alling, E. E. Non-American doctors. Med. Bull. Europ. Command, 1949, **6**: No. 4, 30.—**Applications** closed for temporary and part-time civilian medical officers for Army; doctors needed for other medical positions. Mississippi Doctor, 1940–41, **18**: 353.—**Government** to need temporary and part-time civilian medical officers. J. Med., Cincin., 1940–41, **21**: 399. Also Rhode Island M. J., 1940, **23**: 173.—**La Garde, L. A.** The surgeon and military preparedness. Mil. Surgeon, 1917, **40**: 511–3.—**Marble, H. C.** Our surgeons in the present war. Am. J. Surg., 1943, **59**: 159.—**Metcalfe, R. F.** The civilian surgeon in war. Surg. Gyn. Obst., 1941, **72**: 535–40.—**Smith, F. C.** Functions of the Civilian Medical Division of the War Department; condensed report, 1942–1946. Occup. Med., 1946, **2**: 285–97.—**Stokes, C. F.** How can the surgeon in civil life best serve his country in time of war? Surg. Gyn. Obst., 1913, **17**: 82–5. Also Tr. Am. Surg. Ass., 1913, **31**: 503–9.

—— Duties.

See also **Education,** Role of medical officer.

Loriquer, Y. L. *Rôle du médecin auxiliaire en campagne. 46p. 24½cm. Par., 1939.

Alling, E. E. Promises made to patients. Med. Bull. Europ. Command, 1949, **6**: No. 4, 46.—**Bon, H.** Devoirs d'état du médecin militaire. In his Précis d. méd. cath., Par., 1936, 566.—**Campana, A.** La partecipazione del medico militare alla formazione morale e fisica del soldato. Gior. med. mil., 1948, **95**: 141.—**Church, J. R.** Los deberes del médico desde el punto de vista militar. Arch. Soc. clín. Habana, 1907, **14**: 114–21.—**Driest, W.** Der Truppenarzt als Berater des Einheitsführers. In his Richtlinien ü. Menschenführ., 2. Aufl., Berl., 1944, 8.—**Knox, E. B.** Some medical notes on war. J. R. Army M. Corps, 1905, **4**: 440; passim.—**Middleton, D. S.** The work of a regimental medical officer. Ibid., 1941, **76**: 311–9. Also Edinburgh Postgrad. Lect. (1940–41) 1942, **2**: 356–65.—**Mülhens, K. J.** Arbeitshygienische Aufgaben des Truppenarztes. Deut. Militärarzt, 1941, **6**: 411–6.—**Ogilvie, W. H.** He ceased to be a doctor. Ind. M. Gaz., 1927, **62**: 157.—**Parrilla Hermida, M.** Algunas notas sobre la misión del médico militar. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 71–95.—**Professional** duties of Medical Corps officers. Month. Health Rep. Mil. Distr. Washington, 1948, **1**: No. 3, 9.—**Role** (The) of the army medical officer in the mental and physical development of the soldier. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, **11**. Congr., **2**: 263.—**Ruggi, G.** Come si possa provvedere per i chirurgi della sanità militare. Atti Congr. internaz. med. farm. mil., 1923, **2**: 74.—**Strömberg, E.** Militärläkarens arbetsförhållanden. Tskr. mil. hälsov., 1947, **72**: 1–24.—**Work** (The) of the Army surgeons. J. Am. M. Ass., 1916, **67**: 1313.

—— Education.

See also **Education,** medical; **Training,** medical.

War-time graduate medical meetings: Clinics, ward walks, lectures for medical officers.... 100p. 23cm. [n.p.] 1943.

Army doctors study relation of basic science to illness. Mil. Surgeon, 1948, **102**: 396–9. Also Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 5, 2–5.—**Dubs.** Die militärmedizinische Ausbildung und Weiterbildung der Sanitäts-Offiziere. Vjschr. schweiz. Sanitätsoff., 1937, **14**: 29–34.—**Furstenberg, A. C.** Continuing education for medical officers and civilian physicians. Bull. Am. Coll. Surgeons, 1943, **28**: 205–8.—**Graff, E. L.** Refresher courses for service medical officers. Brit., M. J., 1943, **2**: 19.—**Graham, E. A.** What kind of medical officers do the Armed Services want? Surg. Gyn. Obst., 1944, **79**: 217–9.—**Hailes, W. A.** The military surgeon; his selection, training and the scope of his work. Med. J. Australia, 1947, **2**: 469–74.—**Haubenreisser, W.** Ausbildung und Fortbildung im Sanitätsoffizierkorps der alten Sächsischen Armee. Med. Welt, 1936, **10**: 1370–3.—**Heyd, C. G.** Supplementary postgraduate education for medical officers and civilian doctors. Bull. Am. Coll. Surgeons, 1943, **28**: 208–10.—**Jiménez Arrieta, A.** Perfectionnement professionnel du médecin militaire. Arch. méd. belges, 1935, **88**: Bull. internat., 723–37.—**Kittel.** Die Ausbildung des Sanitätsoffiziers. Deut. Militärarzt, 1938, **3**: 43–50.—**Leake, C. D.** Supplementary postgraduate education for medical officers and civilian doctors. Bull. Am. Coll. Surgeons, 1943, **28**: 210.—**Ledent, R.** Mobilisation et rééducation. Arch. Serv. san. Armée belge, 1947, **100**: 246–50.—**Lull, G. F.** Educational opportunities afforded medical officers in the Army. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1945, 41. Congr., 9–12.—**Monprofit.** L'assimilation des médecins militaires avec les combattants. Anjou méd., 1912, **19**: 230–4.—**New** plans for medical education; specialized training programs of the Army and Navy. J. Am. M. Ass., 1943, **121**: 55.—**Nys, P.** Education professionnelle et voyages d'études pour les médecins militaires. Bull. internat. Serv. santé, Liége, 1947, **20**: 452–5.—**Post-graduate** (On) teaching for service medical offi-

cers. Med. J. Australia, 1945, 2: 153.—**Professional** courtesy. Med. Bull. U. S. First Army, 1949, 4: No. 6, 20–2.—**Różycki, F. J.** Podstawowe wiadomości lekarza wojskowego. Lek. wojsk., 1920, 1: No. 10, 17–23.—**Schmidt, H.** Der Erziehungsgedanke im Wirken des Sanitätsoffiziers. Deut. Militärarzt, 1940, 5: 197–201.—**Schürmann.** Grundfragen der ärztlichen Ausbildung des militärärztlichen Nachwuchses. Veröff. Heer. San., 1937, H. 102, 257–67.—**Silva García, J.** La personalidad y la aptitud física como requisito previo para el ingreso en las escuelas profesionales. Psiquis, Méx., 1949, July, 73–85.—**Smirnov, E. I.** O voenno-medicinskoj podgotovke vraćej v medicinskikh institutakh. Voen. med. J., Moskva, 1945, No. 7, 3–11.—**Syrkin, L. A.** O podgotovke sanitarnykh vraćej. Hig. & san., Moskva, 1946, 11: No. 4, 37–42.—**Wuhrmann, F.** Ist eine militär-medizinische Ausbildung und Weiterbildung der Sanitätsoffiziere notwendig? Schweiz. med. Wschr., 1937, 67: 1161–4.—**Yovanovitch & Georgevitch, A.** El reclutamiento, la formación y el perfeccionamiento de los médicos y de los farmacéuticos militares. Rev. san. mil., Asunción, 1937–38, 10: 483; passim.

—— female.

See also **Woman.**

Baker, S. J., Speer, A. J. [et al.] Commissions for women physicians in the Medical Reserve Corps of the United States Army. Women in Med., 1943, No. 79, 7.—**Barrett, E. D., Moffett, M. L., & Kenyon, D.** Women doctors should be commissioned. Congress. Rec., 1943, 89: A1342–5.—**Barringer, E. D.** The American woman physician and war time rating. Med. Woman J., 1942, 49: 361–5. ——— War and the woman physician. N. York State J. M., 1942, 42: 118–20. ——— A plea for women doctors. Interne, N. Y., 1943, 9: 53. ——— Report of progress on commissions for women physicians in the Army and Navy. Med. Woman J., 1943, 50: 99. ——— Commissions for women physicians; report of special committee. Women in Med., 1943, No. 81, 11–4.—**Bass, E.** Wars and women doctors. Med. Woman J., 1944, 51: No. 7, 22–4. Also N. Orleans M. & S. J., 1943–44, 96: 324–7.—**Commissioning** female doctors. Army Navy Reg., 1943, 64: 3.—**Couch, J. H.** Medettes in war. Univ. Toronto M. J., 1942–43, 20: 273.—**Examination** of recruits to A. T. S. Brit. M. J., 1941, 1: 613.—**Fritz, G. B.** Woman doctors seek officer status in Medical Corps; Army regulations authorize commissions for men only, so women organize crusade for equal rights in war service. Med. Econom., 1941–42, 19: No. 12, 53.—**Gérin-Lajoie, L.** Les femmes médecins dans le Corps Médical Royal Canadien de l'Armée. Union méd. Canada, 1942, 71: 1219.—**Half-century** crusade puts medical women in service. Med. Woman J., 1943, 50: 166.—**Imhoff, M.,** jr. 10,000,000 women oppose Reserve Commission Ban; M. D. posts in WAAC and WAVES fail to satisfy women physicians. Med. Econom., 1942–43, 20: No. 3, 49; 110.—**Inspections** by women doctors. Lancet, Lond., 1943, 1: 570.—**Josephi, M.** War services for women physicians. Med. Woman J., 1942, 49: 333. ——— Medical women in the Navy. Women in Med., 1943, No. 81, 9.—**Kenyon, D.** Women doctors in the Army. Ibid., No. 79, 9.—**Lovejoy, E. P.** Medical women's war work. Med. Woman J., 1943, 50: 65.—**McCulloch, E. C.** War and the woman physician. N. York State J. M., 1942, 42: 315.—**Martindale, L.** Women doctors in the British Army. Med. Woman J., 1943, 50: 6.—**Mason-Hohl, E.** Women physicians win Medical Corps status. Ibid., 115.—**Medical** women demand equality with men in the fighting services. J. Am. M. Ass., 1942, 119: 897.—**Medical** women in the Forces. Brit. M. J., 1940, 1: Suppl., 54. —**Medical** women and Ministry of Labour staff. Lancet, Lond., 1942, 1: 90.—**No** commissions; women medics raise protest. California West. M., 1942, 57: 318.—**Opportunity** for women physicians to contribute to war effort. Med. Woman J., 1943, 50: 76.—**Our** medical women and the Army. Med. Clarion, Manila, 1941, 7: No. 10, 3.—**Ruddock, A. S.** Work of women physicians as contract surgeons in war. Bull. Los Angeles Co. M. Ass., 1942, 72: 433; 436. ——— Contract surgeons. Med. Woman J., 1942, 49: 34–6.—**Schlachter, J.** The American Women's Hospitals Reserve Corps. Ibid., 1944, 51: No. 6, 18–21.—**Spencer, R. R.** Opportunities for women in war medicine. Diplomate, 1943, 15: 22–6.—**Status** (The) of medical women in the fighting services. J. Am. M. Ass., 1942, 119: 360.—**Stewart, C.** Medical woman-power. Brit. M. J., 1942, 1: 126. ——— Medical women in the Forces. Ibid., 505; 2: 23. Also Lancet, Lond., 1942, 1: 487; 2: 22.—**Strott, G. G.** Women physicians desiring appointments in the Medical Corps of the United States Naval Reserve. Med. Woman J., 1943, 50: 139.—**Summerskill, E.** British women doctors go to war. Women in Med., 1943, No. 82, 19.—**Woman** doctor asks equality in Army duty. Med. Woman J., 1941, 48: 183.—**Woman** (The) doctor and the war. Philadelphia M., 1942–43, 38: 568–70.—**Women** doctors commissioned. J. Am. M. Ass., 1943, 122: 878.—**Women** doctors to get commissions. N. York State J. M., 1943, 43: 976.—**Women** officers in the R. A. M. C. Lancet, Lond., 1941, 1: 521.—**Women** physicians in the Army [Great Britain] J. Am. M. Ass., 1939, 113: 1746.—**Women** physicians commissioned in the Armed Services as of October 8, 1943. Women in Med., 1943, No. 82, 11–3.—**Women** physicians desiring appointments in the Medical Corps of the United States Naval Reserve. Med. Woman J., 1943, 50: 305.—**Women's** medical service for India. Lancet, Lond., 1938, 2: 519.

—— History.

See also **Military medicine, History.**

Astruc, P. Jean Dominique Larrey, écrivain. Progr. méd. Par., 1936, Suppl., 57–60, portr.—**Buess, H.** Zur Stellung des Militär-Arztes in drei Jahrhunderten Schweizergeschichte. Schweiz. med. Wschr., 1943, 73: 1407–12.—**Des Cilleuls, J** A propos d'un certificat delivré à un chirurgien militaire en 1779. Mém. Soc. fr. hist. méd., 1946, 2: 17–20.—**Drigalski, W. v.** Könige, Feldherren, Soldaten und Arzt. In his Aufstieg d. San. Korps, Oldenb., 1939, 114–28.—**Ferrari, R. P.** Aus der Geschichte des italienischen Heeressanitätswesens; die Rekrutierung und Ausbildung der Sanitätsoffiziere im XIX. Jahrhundert. Deut. med. Wschr., 1940, 66: 938–40.—**Fighting** doctors. Brit. M. J., 1917, 1: 657.—**Gottlieb, B. J.** Feldscher und Feldarzt um die Zeit Friedrichs des Grossen. Forsch. & Fortsch., 1943, 19: 323–5.—**James, R. R.** The medical officers of Greenwich Hospital from A. D. 1695 to 1800. J. R. Nav. M. Serv., 1934, 20: 164–73.—**MacConnell, J. W.** What modern medicine owes to the military surgeon. Tr. M. Soc. N. Carolina, 1926, 73: 279–89.—**Müller, H.** Der Arzt beim Heeresersatzwesen einst und jetzt. Veröff. Heer. San., 1938, H. 105, 30–42.—**Müller, S.** Die Entwicklung des militärärztlichen Standes. Ibid., 1939, No. 108, 62–70.—**Patterson, R. U.** Some important contributions to medical science by military surgeons. Diplomate, 1936, 8: 243–52.—**Rossijsky, D. M.** Russkie doktora mediciny v 18. veke. Voen. med. J., Moskva, 1947, No. 7, 47–9.—**Rouffiandis.** Un aspect de la condition des chirurgiens-majors des hôpitaux militaires en Roussillon, au 18. siècle. Bull. Soc. fr. hist. méd., 1939, 33: 93–102.—**Stewart, D.** The English Army surgeon in the sixteenth century. J. R. Army M. Corps, 1947, 88: 231–47.—[**Sweden**] [Group picture of military physicians in Axvall 1865] Tskr. mil. hälsov., 1937, 62: 101–4, portr.—**Toubert.** Triptyque de la Société de médecine militaire française; le précurseur Larrey; le réanimateur Delorme; les continuateurs contemporains. Bull. Soc. méd. mil. fr., 1946, 40: 208–16.—**Treating** the wounded soldier; a nineteenth century steel engraving depicting an Army surgeon attending the arm injury of an infantryman at the Scutari Hospital. Nurs. Times, Lond., 1942, 38: 565.—**Wood, S.** Homer's fighting surgeons, Machaon and Podalirius Ann. R. Coll. Surgeons England, 1948, 3: 336–40.

—— Immunity.

See also **Geneva Convention; International Law.**

Des Gouttes, P. Le personnel sanitaire perd-il son droit à l'immunité, s'il est armé? Vjschr. schweiz. Sanitätsoff., 1943, 20: 72–5.

—— Procurement and assignment.

See also **Physician,** Shortage.

Alling, E. E. Medical personnel situation. Med. Bull. Europ. Command, 1949, 6: No. 4, 25–8.—**Appointment** of officers from civil life. J. Am. M. Ass., 1943, 122: 1190.—**Army** medical officers to be recruited locally. Mil. Surgeon, 1942, 90: 703.—**Barton, P. C.** Procurement and assignment. Delaware M. J., 1945, 17: 201–5.—**Beckwith, E. R.,** jr. Your assignment in World War III. Med. Econom., 1948–49, 26: No. 4, 62–4.—**Carter, L. D.** The medical officer from civil life. J. Indiana M. Ass., 1940, 33: 452.—**Central** (A) authority for the procurement and assignment of physicians. J. Maine M. Ass., 1941, 32: 265.—**Denit, G. B.** Elimination of undesirable personnel. Med. Bull. Europ. Command, 1949, 6: No. 4, 29.—**Gottschalk, G.** L'organisation de la carrière médicale aux Etats-Unis et l'influence de la guerre. Rev. méd. Liége, 1946, 1: 307–10.—**Grow, M. C.** Medical problems of the Military Establishment. J. Am. M. Ass., 1948, 137: 759–62.—**Henderson, E. L.** The physician and the war in relation to the Office of Procurement and Assignment Service. J. Pediat., S. Louis, 1942, 20: 773–7.—**Hillman, C. C.** Some personnel problems of the Surgeon General of the Army. J. Am. M. Ass., 1942, 120: 1140–3.—**Medical** (The) Department officer shortage, fiscal year, 1950. Health U. S. Army, 1949, 4: No. 6, 2–4.—**Medical** officers for assignment to POA. In: Prev. Med. in World War II, Wash., 1948, 10: 13.—**Morgan, C. V.** Forecast of availability of Medical Department personnel. Med. Bull. Europ. Command, 1949, 6: No. 4, 21–4.—**O'Rourke, J. T., Miner, L. M. S.** [et al.] Procurement and Assignment Service for physicians, dentists and veterinarians; Committee on Dentistry. J. Am. Dent. Ass., 1943, 30: 584–8.—**Pepper** (The) hearings. West Virginia M. J., 1942, 38: 461–3.—**Physicians** for the Armed Forces. California M., 1949, 71: 43.—**Potter, L. A.** The medical officer replacement problem. Bull. U. S. Army M. Dep., 1949, 9: 105.—**Procurement** (A) and assignment agency. War Med., Chic., 1941, 1: 536–8.—**Procurement** and Assignment Service for physicians, dentists and veterinarians. J. Am. M. Ass., 1941, 117: 1626. Also N. York J. Dent., 1942, 12: 154–6.—**Quotas** set for doctors of medicine and dentistry. Surgeon Circ. M. Sect. Far East Command, 1949, 4: No. 7, 1.—**Recruitment** of doctors to the Forces. Lancet, Lond., 1947, 1: 298–300.—**Release** and recruitment. Ibid., 1945, 2: 87.—**Robinson, P. I.** Status of Medical Corps procurement. Bull. U. S. Army M. Dep., 1948, 8: 106–9. ——— About the Medical Department; how obtain doctors? Ibid., 1949, 9: 271–4.—**Rogers, J. A.** A decentralizing process; instructions to Medical Officer Recruiting Boards. Pittsburgh

M. Bull., 1942, **31**: 445–8.—**S., F. C.** Too many medical officers. Med. World, 1941, **59**: 586.—**St. John, C. J.** The needs of the Army Medical Service. N. York State J. M., 1949, **49**: 1077; 1206.—**Schedule** for processing applications for Medical and Dental Corps, Regular Army. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 3, 6.—**Seeley, S. F.** Recommendations to physicians and medical students. Interne, N. Y., 1942, **8**: 16.—**Stewart, D. M.** Dr Stewart discusses alleviation of Army doctor shortage. Ohio M. J., 1949, **45**: 759–61.

—— Societies.

[Oslo] Militaermedicinske selskap i Oslo Det Militaermedicinske selskap i Oslo, 1882–1932. 56p. 23cm. Oslo, 1932.

Also forms No. 5/6, v. 36, Norsk tskr. mil. med.

Svenska militärläkareföreningen [Stockholm] Föredrag vid Svenska militärläkareföreningens extra sammankomst i Stockholm den 3 och 4 april, 1943. 235p. 22½cm. Lund, 1944.

Binzegger, A. Die Hilfsorganisation des Roten Kreuzes; der Schweizerische Militär-Sanitäts-Verein. In: Sanitätstruppen, Zür., 1942, 73.—**Comptes** rendus des séances de l'E. S. M. 2. Rev. méd. Suisse rom., 1940, **60**: 911–27.—**Denzler.** Die Bedeutung und die Aufgaben der Militärsanitätsvereine. Vjschr. schweiz. Sanitätsoff., 1925, **2**: 36–42.—**Georgievsky, A. S.** K istorii vozniknovenija voenno-medicinskikh obščestv v Rossii. Voen. med. J., Moskva, 1945, No. 7, 68–71.—**Hart, W. L.** Presentation of plaque to the Mexican Association of Military Surgeons. Mil. Surgeon, 1932, **71**: 123–8.—**Holmgren, B.** [Annual meeting of the Swedish Military Medical Society, November 26, 1939] Nord. med., 1940, **5**: 164.—**Jakovlev, G.** Voenno-medicinskie obshchestva. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 881–8.—**Jayle, F.** L'Association pour le développement des relations médicales, A. D. R. M. Presse méd., 1939, **47**: 1225.—**Kalbermatten, de.** La création d'une association médico-militaire suisse scrait-elle utile? est-elle possible? Vjschr. schweiz. Sanitätsoff., 1937, **14**: 53–7.—**Koike, M.** Rikugun Gun-igakkai kai-tyō [President of the Military Medical Society of the Army] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 677–84.—**Menck-Thygesen, P.** [Meeting of the Norwegian Union of Military Medicine in Stockholm, June 1934] Militaerlaegen, 1934, **40**: 253–5.—**Miedzyaliancki** zwiazek lekarzy wojskowych. Lek. wojsk., 1942, **34**: 250.—**Nordisk** Militär-medicinsk Förenings 3. kongress. Nord. med. tskr., 1929, **1**: 609.—**Nordisk** Militaermedicinsk Förenings 6. kongress. Ibid., 1937, **13**: 880; **14**: 1391.—**Nordisk** Militärmedicinsk Förenings kongress, Stockholm, June 30–July 1, 1947. Nord. med., 1947, **34**: 1152. Also Sven. läk. tidn., 1947, **44**: 1091. Also Tskr. mil. hälsov. 1947, **72**: 41.—**Nordisk** Militaermedicinsk Förenings møte. Nord. med. tskr., 1931, **3**: 318.—**Nordisk** Militärmedicinsk Förenings 5. möte. Ibid., 1934, **8**: 1603–5.—**Nordisk** Militärmedicinsk Förenings sammanträde. Ibid., 1931, **3**: 638.—**Nordisk** Militärmedicinsk Förenings och Svenska Militärläkarföreningens gemensamma möte. Ibid., 1934, **7**: 817.—**Sociedade** de medicina do Hospital militar de Bello Horizonte. Rev. méd. Minas, 1939–40, 7: No. 80, 73.—**Stahl, O.** Zur Geschichte der Deutschen Militärärztlichen Gesellschaft. Deut. Militärarzt, 1939, **4**: 49–53.—**Vierundsiebzigste** (Das) Stiftungsfest der Deutschen Militärärztlichen Gesellschaft. Ibid., 1938, **3**: 138–40.

—— Societies: United States.

Allers, H. The Association of Military Surgeons of the United States. 16p. 8°. Newark, 1907.

[United States] Association of Acting Surgeons of the United States Army. Records, 1891. 149p. 24cm. Salem, 1891.

[United States] Association of Military Surgeons of the United States. Symposium on war medicine; 51st annual meeting. October 21, 22, 23, 1943. 75p. 23cm. Wash., 1943.

United States. Congress. 57. Congr., 1. sess., H. R. 15009, June 9, 1902. A bill to incorporate the Association of Military Surgeons of the United States. Introd. by Mr. Powers. 3p. 8°. Wash., 1902.

American Association of Military Surgeons; meeting at Fort Benjamin Harrison. J. Am. M. Ass., 1917, **69**: 1272; 1355.—**Association** of Military Surgeons; The Los Angeles meeting, 1937. Mil. Surgeon, 1937, **81**: 213–6.—**Blech, G. M.** Der 19. Kongress der Militärärzte der Vereinigten Staaten. Deut. mil. ärztl. Zschr., 1911, **40**: 322–6.—**Boone, J. T.** The Association from a national viewpoint. Mil. Surgeon, 1949, **104**: 415–8.—**Convention** notes; 47th annual convention. Mil. Surgeon, 1939, **84**: 506–19.—**Corbusier, H. D.** Association of military surgeons. J. M. Soc. N. Jersey, 1941, **38**: 93.—**Next** annual meeting of the Association. Mil. Surgeon, 1939, **84**: 259–61.—**Proceedings** of the 41. annual meeting of the Association of Military Surgeons of the United States. Ibid., 1933, **73**: 230–68.—**Proceedings** of the 42. annual meeting of the Association of Military Surgeons of the United States; minutes of the meeting. Ibid., 1934, **75**: 362–88.—**Proceedings** of the 43. annual meeting of the Association of Military Surgeons of the United States. Ibid., 1935, **77**: 298–347.—**Proceedings** of the 44. annual meeting of the Association of Military Surgeons of the United States, Book-Cadillac Hotel, Detroit, Michigan, October 29–31, 1936. Ibid., 1936, **79**: 427–70.—**Program** for the 1935 meeting of the Association of Military Surgeons of the United States. U. S. Nav. Med. Bull., 1935, **33**: 537.—**Rochester** (The) meeting. Mil. Surgeon, 1938, **83**: 457–9.—**Rossiter, P. S.** The growth of the Association of Military Surgeons. Ibid., 1941, **89**: 602.—**San Antonio** (The) meeting of the Association of Military Surgeons, San Antonio, Texas. Ibid., 1942, **91**: 468–76.—**Senn, N.** The mission of the Association of the military surgeons of the National Guard of the United States. J. Am. M. Ass., 1892, **18**: 546–50.

—— by countries.

Carrière (La) du médecin militaire. Bruxelles méd., 1947, **27**: 2688–92.—**Iturralde, J. I.** El médico en las tropas. Rev. mil., B. Air., 1947, **47**: 1320–2.—**Koike, M.** Gun-i no seisin [The spirit of the army physician] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 903–5.—**Médicos** militares. Bol. Of. inform. san., Madr., 1948, No. 3, 1.—**Merbeck, H.** Kao ratni hirurg u Narodno-oslobodilačkoj vojsci Jugoslavije. Voj. san. pregl., Beogr., 1948, **5**: 171–9.—**Pfister, H. O.** Wehrpsychologische Gedanken zur Stellung des Hauptmanns der Sanität. Vjschr. schweiz. Sanitätsoff., 1944, **21**: 74–85.—**Saugmann, E.** Militaeret og medicinerne. Medicineren, Kbh., 1942, **7**: 47–9.

—— by countries: Australia and New Zealand.

Braithwaite, P. The regimental medical officer. Med. J. Australia, 1943, **1**: 137–42.—**Downes, R. M.** The surgeon and the war. Austral. N. Zealand J. Surg., 1940–41, **10**: 91–3.—**Enlistment** of medical officers. N. Zealand M. J., 1940, **39**: 150.—**Fund** to assist medical officers on active service. Ibid., 216–20.—**Goulston, S.** The need for a medical liaison officer in peace and war. Med. J. Australia, 1947, **2**: 329–32.

—— by countries: Brazil.

Medicos no Exército. Fol. méd., Rio, 1943, **24**: No. 3, X.—**Pessôa de Mello, P. A.** Medico de tropa. Rev. med. mil., Rio, 1938, **27**: 183–5.

—— by countries: Canada.

Deadman, W. J. Canada's supply of Army doctors. Canad. M. Ass. J., 1942, **46**: 60–2.—**Harris, R. I.** The Army medical officer; surgery. Univ. Toronto M. J., 1939–40, **17**: 49–53.—**LeSage, A.** Le médecin aux Armées. Union méd. Canada, 1942, **71**: 8.

—— by countries: France.

Auvray. A propos du concours de chirurgien des hôpitaux militaires. Gaz. hôp., 1932, **105**: 1735.—**Costedoat, M.** La responsabilité médicale des médecins militaires. Ann. méd. leg., 1931, **11**: 721–5.—**Espé de Metz, G.** Médecins et techniciens dans l'armée; l'indemnité de graduation. Progr. méd., Par., 1924, **39**: 538–41.—**Kéraudren.** Le chirurgien de papier. Gaz. san., Par., 1835, **4**: 40–54.—**Thonon.** La responsabilité des médecins militaires à l'Armée. Arch. belg. Serv. san. armée, 1939, **92**: 109–18.

—— by countries: Germany.

Heinemann-Grüder, C., & Rühe, E. F. F. Der Arzt in der Wehrmachtversorgung; ärztliche Angelegenheiten der Wehrmachtfürsorge und -versorgung. 364p. 20cm. Dresd., 1942.

Driest, W. Das Arbeitsgebiet des Wehrbetreuungs-San.-Offiziers. In his Richtlinien ü. Menschenführ., 2. Aufl., Berl., 1944, 10–3.—**Hartmann.** Die beratenden Aerzte des Heeres in Berlin. Deut. Aerztebl., 1940, **70**: 52.—**Kriegsmarine** stellt Anwärter für die Marine-sanitätsoffizierslaufbahn ein. Münch. med. Wschr., 1941, **88**: 292.—**Kym.** Der Arzt an der Front; U. S. Army. Militärsanität, Zür., 1946, **28**: 61; 69.—**Sachs, W.** Angestellter Arzt und Militärdienst. Deut. Aerztebl., 1937, **67**: 757–9.—**Schmidt, H.** Arzttum und Soldatentum als Grundlagen der Stellung des Sanitätsoffiziers. Deut. Militärarzt, 1939, **4**: 54–6.—**Schmidt, W., & Tschierschke.** Die Sanitätsoffiziere des Heeres; Werdegang der aktiven und der Sanitätsoffiziere des Beurlaubtenstandes. Ibid., 1936, **1**: 145; 185.—**Schreiber.** Der Heeresarzt. Deut. Aerztebl., 1942, **72**: 250.—**Sondermann, G.** Ueber das Wesen des Arztsoldaten. Deut. Militärarzt, 1937, **2**: 13–9.—**Theisinger.** Tätigkeit eines Truppenarztes im Standort. Deut. Aerztebl., 1941, **71**: 113.—**Wyrsch, J.** Vom Militärarzt, seinen Kameraden und Patienten. In: Sanitätstruppen, Zür., 1942, 94–8, illust.

—— by countries: Great Britain.

Apperly, F. L. The young medical officer goes to war. J. Am. M. Ass., 1942, **119**: 349–51.—**Army** medical officers and man-mastership. Brit. M. J., 1941, **1**: 167.—**Blackham, R. J.** Soldier's doctor. Lancet, Lond., 1942, **2**: 378.—**Buist, T. P.**

Doctor, and soldier too. Brit. M. J., 1942, 2: 225.—**Comyn, K.** Lecture to all medical officers. J. R. Army M. Corps, 1942, 78: 63–76.—**Conference** of representatives of home divisions of the British Medical Association. Brit. M. J., 1941, 2: Suppl., 49–54.—**Fogey.** Soldier's doctor. Lancet, Lond., 1942, 2: 140.—**H., M. O.** National Services Acts, 1939 to 1941; position of public health chief clerks. Med. Off., Lond., 1941, 66: 96.—**Hammond-Searle, A. C.** The medical officers of health of the Army. Pub. Health, Lond., 1936–37, 50: 381–4.—**Harker, M. J., St Johnston, C. H., & Maddocks, S. A.** Soldier's doctor. Lancet, Lond., 1940, 2: 55.—**Hospital** appointments and Military Service. Ibid., 1: 1104.—**Jackson, L. N.** Soldier's doctor. Ibid., 1942, 2: 84.—**Jenkinson, S.** The medical officers. J. R. Nav. M. Serv., 1949, 35: 87–90.—**Livingston, P. C., Burgess, P. G.** [et al.] The professional future of medical officers of the fighting forces. Proc. R. Soc. M., Lond., 1949, 42: 969–80.—**Pertinax.** Soldier's doctor. Lancet, Lond., 1940, 1: 1145.—**Physical** standard of R. A. M. C. officers. Ibid., 2: 27.—**Robinson, J. T.** The Army medical officer. Brit. M. J., 1941, 2: 555.—**Serjeant-Surgeon.** Lancet, Lond., 1940, 1: 517.—**Soldier's** doctor. Ibid., 1129; 2: 379; 1942, 2: 200.—**Surgeon** (The) R. Naval M. Bull., 1945, No. 14, 1.—**Tatlow, W. F. T.** Beachcomber; or life in the Army. S. Barth. Hosp. J. War Ed., Lond., 1941–42, 3: 81–4.—**War** doctor. Lancet, Lond., 1941, 1: 281.

—— by countries: Mexico.

Nava y Rojas, R. Los médicos militares y la cirugía. Gac. méd. mil., Méx., 1934–35, n. ser., 2: 232–4.—**Valle, R. H.** Cirujanos militares. In his Cirug. mex. siglo XIX, Méx., 1942, p. lxxxiii–lxxxv.

—— by countries: Poland.

Buraczewski, O. [Rôle and aims of an army physician] Lek. wojsk., 1936, 28: 722–6.—**Umiastowski, R.** Nowe zadanie lekarza wojskowego. Ibid., 1933, 22: 301–7.—**Zakliński, B.** Teorja odcinków a zadania oficera korpusu sanitarnego. Ibid., 1921, 2: 1485–96.—**Zieliński, I., & Wachlowski, Z.** Stanowisko i zadania oficera-lekarza. Ibid., 717–31.

—— by countries: Russia.

Avdeev, M. Ekspertiza sudebno-medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1136–41.—**Banaitis, S.** Khirurg. Ibid., 858–61.—**Baranov, M.** [The army physician] Voen. san. delo, 1935, 1–5.—**Girgolav, S. S.** [Preparation of the cadres of military surgeons for 25 years] Ibid., 1942, No. 11, 15–20.—**Kac, A.** La vie professionnelle d'un médecin de quartier, à Moscou. Médecin fr., 1946, 6: 348.—**Komissarov, M.** Flagmanskij vrach. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 768–70. ——— Starśij morskoj sanitarnyj naćalnik. Ibid., 301.—**Lukashevich, D.** Feldśer voennyj. Ibid., 720–4.—**Perkov, N.** Starshij vrać polka. Ibid., 298–301.—**Rakhmanov, A., Vinodarov, V., & Samter, J.** Ekspertiza voenno-vraćebnaja. Ibid., 1120–30.—**Saikov, A. D.** Osobennosti raboty partizanskogo vraća. Voen. med. J., Moskva, 1947, No. 4, 36–8.—**Strashun, I., Krichevsky, J., & Rozanov, P.** Vrać voennyj. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1005–37, 4 pl.—**Vinodarov, V., & Samter, J.** Ekspertiza voenno-vraćebnaja; voenno-vraćebnaja ekspertiza Voenno-vozdušnykh i Voenno-morskikh sil. Ibid., 5: 1128–30.

—— by countries: Scandinavia.

f **Bernhoff, G.** Militärläkarbanan och läkaröverflödet. Med. ören. tskr., Stockh., 1930, 8: 77–81.—**Biörck, G.** Några synpunkter på möjligheten att avlösa inkallade militärläkare och värnpliktiga läkare med icke värnpliktiga; en undersökning på grundval av Medicinska Föreningens militärkortregister. Nord. med., 1941, 10: 1108 (Abstr.)—**Ekdahl, A. J.** Militärläkarnas befällsförhållanden å hufvudförbands-platsen och fältsjukhusen. Tskr. mil. hälsov., 1908, 33: 201–10.—**Lambert, B.** Militärläkarnas arbets- och löneförhållanden. Sven. läk. tidn., 1945, 42: 1969–83.—**Nyström, B.** [Cooperation between the Scandinavian military physicians] Militaerlaegen, 1937, 43: 369–74.

—— by countries: United States.

Bowers, W. F. The surgeon in the Army; a career pattern. U. S. Armed Forces M. J., 1950, 1: 238–46.—**Ivanissevich, O.** Impresiones de viaje; los cirujanos y los médicos en la guerra. Rev. mex. cirug., 1944, 12: 245–8.—**Long, P. H.** The American medical officer. J. M. Soc. N. Jersey, 1946, 43: 494–6.—**Pleasants, H.,** jr. To whom honor is due. Mil. Surgeon, 1938, 83: 119–31.

—— by countries: United States Army.

Ireland, M. W. [Jefferson Medical College graduates in the service of the United States Army] [51] l. 29cm. Wash., 1939.

United States. Army. Tilton General Hospital. Directory of officers. Fort Dix, Oct., 1946–

Army surgeons and military commanders. Boston M. & S. J., 1916, 175: 620.—**Churchill, E. D.** The American surgeon, A. U. S. Surg. Gyn. Obst., 1947, 84: 529–39.—**Conn, H. R.** The battalion medical officer. Army M. Bull., 1942, No. 61, 119–23. Also J. Am. M. Ass., 1942, 118: 1301–3.—**Fishbein, M.** Medical men and officers of the Medical Department. Hygeia, Chic., 1943, 21: 630; 672.—**Hume, E. E.** The skilful leech. Mil. Surgeon, 1948, 103: 419–25.—**Jones, H. W.** The diary of Assistant Surgeon Leonard McPhail on his journey to the Southwest in 1835. Ibid., 1941, 88: 413–24.—**Lull, G. F.** The Army medical officer in action. J. Am. M. Ass., 1944, 124: 932.—**Malagueta, I.** A classe médica norte-americana e a guerra. Rev. méd. cir. Brasil, 1945, 53: 7–26.—**Malpractice;** liability of United States for negligence of Army surgeon [1947] J. Am. M. Ass., 1948, 137: 904.—**Martin, S. J.** The present role of the anesthesiologist in the Army. Ibid., 1942, 120: 843–5.—**Medical** officer-doctor. Surgeon Circ. M. Sect. Far East Command, 1949, 4: No. 6, 1.

—— by countries: United States Navy.

Medical officers of the Navy. Statist. Navy M., 1949, 5: 2–4.—**Shilling, C. W., & Kohl, J. W.** Outline of curriculum for submarine medical officers. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 38.

MEDICAL organization.

See also **Air Force Medical Service; Field service; Medical care; Medical Corps; Medical Department; Medical service; Navy medical service.**

Godar, H. The danger of rigid planning in medical military organization. Canad. M. Ass. J., 1948, 58: 607.—**Gouyrand, J.** Les enseignements de la dernière guerre en matière d'organisation générale du Service de santé. Bol. Dir. serv. saúde mil., 1947, 10: 5–15.—**Teneff, S.** Generalità sull'organizzazione sanitaria in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 23–39, tab.—**Todd, J. W.** Army medicine in the late war; some mistakes of policy? Lancet, Lond., 1949, 2: 1143; passim.

—— Combat zone and front.

See **Combat zone; Field service.**

—— History.

Flessing, K. W. *Die Entwicklung des Heeressanitätswesens in der preussischen Armee im 18. Jahrundert [Berlin] 29p. 8° Bleicherode-Harz, 1937.

Grütter, H. *Das Militärsanitätswesen im alten Basel. 52p. 22½cm. Basel, 1941.

Habart, J. Unser Militär-Sanitätswesen vor hundert Jahren. 111p. 24½cm. Wien, 1896.

Poncin, A. C. *Le règne de Louis XIV et l'organisation du Service de santé militaire. 135p. 25cm. Lyon, 1944.

Blaessinger, E. Aperçu historique sur le Service de santé militaire à travers les âges. In his Quelq. fig. de la chir. méd. mil., Par., 1947, 9–26.—**Cardini, M.** Organizzazione dei servizi sanitari nelle guerre dei secoli passati. Minerva med., Tor., 1935, 26: pt 1, 751–6.—**Cassarini, A.** [Organization and functioning of the Sanitary Service during wars in the end of the XIX and beginning of the XXth century] Rev. san. mil., Bucur., 1931, 30: 92; 152.—**Garosi, A.** Spunti di organizzazione sanitaria di guerra in documenti senesi del dugento. Riv. stor. sc. med., 1936, 27: 233–42. ——— Documenti per contribuire alla conoscenza dei servizi sanitari presso le milizie medioevali. Rass. clin. ter., 1938, 37: Suppl., 205–10.—**Houdard, L.** Organisation du Service de santé militaire sous la Première République; 1791–1796. Rev. Serv. san. mil., Par., 1938, 108: 759–68.—**Kempthorne, G. A.** The medical services of William the Third's army. J. R. Army M. Corps, 1937, 69: 372–82.—**Lallie, N.** The progress of surgery, as shown by military medical service in ancient times. Sc. Am. Suppl., 1915, 80: 356.—**Medical** men in the armies of the ancients. Lancet, Lond., 1905, 2: 231.—**Poncin.** Aperçu sur l'organisation de Service de santé militaire à la fin du règne de Louis XIV. Rev. Corps san. mil., Par., 1945, 1: 417–9.—**Richmond, A. E.** Fifty years of hygiene in the British Army. J. R. Army M. Corps, 1948, 90: 233–46.—**Rufer, A.** Schiferlis Bericht aus dem Jahre 1802 an den helvetischen Senat über die Organisation des Medizinalwesens der helvetischen Truppen. Schweiz. med. Wschr., 1939, 69: 1311–4.—**Schönbauer, L.** Kaiser Josephs medizinische Fürsorge für das Militär. In his Med. Wien, 2. Aufl., Wien, 1947, 171–3.

—— by countries.

Des Cilleuls, J. M., Sabrie, L. E. F. R., & Kerny, M. M. Nouvelles données sur l'organisation et le fonctionnement du Service de santé

dans les armées étrangères. p. 799–858. 25cm. Par., 1936.
Rev. Serv. san. mil., Par., 1936, **105**:

Uzac, J. L'organisation médico-chirurgicale aux armées. 88p. 23cm. Par., 1929.

Cerný, F. Organisace péče o chrup v armádě. Voj. zdrav listy, 1948, **17**: 297–301.—**De Busscher, J.** Le Service de santé de l'armée et ses necessités. Ann. belg. méd. mil., 1948, **101**: 57–9.—**Des Cilleuls, J. M., & Sabrié, L. E. F. R.** Chronique d'hygiène militaire relative aux armées étrangères. Arch. méd. pharm. mil., 1935, **103**: 811–40, ch. ——— Seconde chronique d'hygiène militaire relative aux armées étrangères. Rev. Serv. san. mil., Par., 1936, **105**: 481–504. ——— & **Kerny, M. M.** Troisième chronique d'hygiène militaire relative aux armées étrangères. Ibid., 1937, **107**: 50–68. ——— Nouvelles données sur l'organisation et le fonctionnement du service de santé dans les armées étrangères; Italie; Roumanie. Ibid., 1938, **108**: 687–725.—**Fehrmann.** Als Berater für den Armee-Sanitätsdienst im Dienste der chinesischen Nationalregierung. Schweiz. med. Wschr., 1936, **66**: 142.—**Fermoselle Bacardí, J.** Significación y alcance de las Unidades Sanitarias. Rev. méd., S. José, 1936, **4**: 361–3.—**Ferrari, R. P.** Aus dem Sanitätswesen fremder Heere. Deut. med. Wschr., 1936, **62**: 980; 1938, **64**: 130, 1939, **65**: 1454. ——— Aus dem Sanitätswesen neutraler Heere. Ibid., 1940, **66**: 610; 637.—**Gear, H. S.** Some features of the South African military hygiene organisation. S. Afr. M. J., 1947, **21**: 563–6.—**Hinricsson, H.** Vue d'ensemble sur l'organisation actuelle des soins médicaux en Suède. Bull. internat. Serv. santé, Liége, 1938, **11**: 252–61.—**Huard, P., & Bigot.** Documents sur l'organisation et le fonctionnement du Service de santé militaire des Indes Néerlandaises, année 1935. Ann. méd. pharm. col., Par., 1938, **36**: 281–303.—**Hubicki, S.** [Organization of military sanitation in Italy and Czechoslovakia] Lek. wojsk., 1928, **12**: 58–72.—**Levi, I.** Značaj povezanosti bolničke i trupne sanitetske službe. Voj. san. pregl., Beogr., 1948, **5**: 195–7.—**Macias Teixeira, L.** A higiene e a sanidade militares nos exércitos modernos. Bol. Dir. serv. saúde mil., 1946, **9**: 39–69.—**McIntosh, A. M.** Army medical services in New South Wales prior to federation. Med. J. Australia, 1948, **1**: 485–92.—**Medical** organisation in the R. A. M. C. and Spanish Republican Army. Lancet, Lond., 1941, **1**: 579–81.—**Moppert.** L'organisation du Service de santé des armées alliées. Vjschr. schweiz. Sanitätsoff., 1946, **23**: 1–13.—**Organización** sanitaria para la guerra. Repert. med. cir., Bogotá, 1932, **23**: 379–81.—**Py, M.** Etude comparée de l'organisation du Service de santé américain et de l'organisation actuelle du Service du santé de l'armée française équipée avec du matériel américain. Rev. Corps san. mil., Par., 1945, **1**: 1–21.—**Semb, C.** Det militaire sanitets organisasjon. Nord. med., 1948, **37**: 536–40; Disc., 542–5.

—— by countries: Argentina.

Bejarano, J. F. R. La higiene y la medicina preventiva en el Ejército Argentino. Hygieia, B. Air., 1946, **1**: 39–41.—**Lluesma-Uranga, E.** Organización sanitaria. Rev. san. mil., B. Air., 1942, **41**: 531–41.—**Memoria** de la Dirección general de sanidad, año 1939. Ibid., 1940, **39**: 556; passim.

—— by countries: Austria.

Schönbauer, L. Das österreichische Militärsanitätswesen. 34p. 23cm. Wien, 1948.
Forms H. 2, Beitr. Gesch. Med., Wien.

Müllern, K. Der Heeres-Sanitätsdienst in Oesterreich. Deut. Aerzte Ztg., 1936, **11**: No. 434.

—— by countries: Brazil.

Abreu Coutinho, L. de. Considerações sôbre as novas Ficha sanitária e Ficha de visita médica e a Ficha médica de incorporação e controle sanitário organizada para o 5° R. A. M. (Regimento Mallet) Rev. med. mil., Rio, 1945, **34**: 31–7, pl.—**Cavalcanti, C.** Sugestões para remodelação do quadro médico do Corpo de saúde do Exército. Ibid., 1938, **27**: 443–54.—**Lobo, A.** Método para resolução de temas do Serviço de Saúde. Ibid., 1940, **29**: 355–70. ——— A reorganização do Serviço de Saúde brasileiro, em campanha. Ibid., 1943, **32**: 351–87, ch.—**Marques Porto, E.** A proposito da organisação do Serviço de Saúde do agrupamento D. Ibid., 1937, **26**: 331–54.—**Oliveira Ramos, J. de.** Serviços médicos da F. E. B. Med. cir. farm., Rio, 1946, 206–19.

—— by countries: Canada.

Bell, P. G. Liaison between Royal Canadian Army Medical Corps and Provincial health departments in the war effort. Proc. Conf. Health Author. N. America, 1942, 57. meet., 169–72.—**Robertson, D. E.** Soldiers and doctors. Bull. Acad. M. Toronto, 1939–40, **13**: 33–43.

—— by countries: Cuba.

Lage y Fernández, G. El Servicio de sanidad militar; su historia y desenvolvimiento. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 63–76.—**Sordo y Cuervo, J. F.** Organización y funcionamiento del Servicio de sanidad militar. Ibid., 77–88, illust.—**Sotolongo, J. L. H. B.** Organización del Servicio de sanidad del Ejército en campaña. Rev. san. mil., Habana, 1942, **6**: 212–24.

—— by countries: Denmark.

Løbger, G. C. Lidt om problemet; sanitetstjenesten i en kommende krig. Militaerlaegen, 1941, **47**: 75–90.

—— by countries: France.

Baur, F. L., & Mailho, E. Notions sommaires sur l'organisation du Service de santé en temps de paix et en temps de guerre. 111p. 24cm. Par., 1937.

France. Ministère des Colonies. Instruction sur l'organisation et le fonctionnement du Service de santé de l'Armée en opérations aux colonies. 63p. 8° Par., 1934.

France. Ministère de la Guerre. Instruction sur l'organisation et le fonctionnement du Service de santé de l'armée en campagne. 87p. 8° Par., 1932.

—— Service de santé. Tableau schématisé de l'échelonnement des éléments de direction du Service de santé et des organes sanitaires par rapport aux organes de commandement et de combat. 1 fold. l. 28cm. Par., after 1900.

Jacquemart, Clavelin & Jame. Le Service de santé militaire du temps de paix et du temps de guerre. 6. ed. 455p. 8° Par., 1934.

De Fooz. L'état actuel de l'organisation du Service de santé de l'Armée. J. dent. belge, 1949, **40**: 29–35.—**Guerrier & Thivot.** Organization of the medical service of the French army in the field. Rev. Serv. san. mil., Par., 1940, **112**: 297–318, pl. Also Spanish transl., Rev. san. mil., Habana, 1940, **4**: 200–21.—**Zelenev, N.** Skhema organizacii voenno-sanitarnoj služby (voennogo vremeni) vo Francii (chart) In: Bolsh. med. encikl., 1928, **5**: 433.

—— by countries: Germany.

Germany. Kriegsministerium. Anlagen zur Kriegs-Sanitätsordnung. 403p. 19½cm. Berl., 1907.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 53d/64: Erfahrungen mit der Sanitäts-Kompanie (mot.) 39p. 21cm. Berl., 1942.

Baldenius, J. Die Geschichte des 2. Zuges während der Teilung der Sanitäts-Kompagnie. In: Sanitäts-Kompagnie (Kleiber, G.) Brandenb., 1930, 133–51.—**Bauer, F.** Några intryck från ett flyktigt studium av tyska krigssanitetsväsendet. Allm. sven. läk. tidn., 1914, **11**: 1193–205.—**Bickert, W.** Die Organisation des Hygienedienstes des Heeres im Feld und in der Heimat. In: Wehrhygiene (Handloser, S.) Berl., 1944, 427–33.—**Hartleben, H.** Das Sanitätswesen beim Feldheer. Umschau, 1939, **43**: 1036. ——— Die Organisation des Kriegssanitätswesens und der Einsatz der Sanitätstruppen. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 3–10. Also 6. Aufl., Dresd., 1943, 3–11. Also 9. Aufl., Dresd., 1944, 1–11.—**Haubold, H.** Friedrich der Grosse und das Gesundheitswesen; Gesundheitszustände im friderizianischen Heer. Deut. Aerztebl., 1937, **67**: 1014–6.—**Haugseth, K.** Beretning om en studiereise til Tyskland våren 1931 med stipendium fra Forsvarsdepartementet. Norsk tskr. mil. med., 1932, **36**: 58–65.—**Müller, H.** Gesundheitsführung im Heer. Illust. Ztg., 1941, Jan., 52.—**Paalzow, F.** Die Organisation des ärztlichen Dienstes nach erfolgter Mobilmachung im Weltkriege. Deut. med. Wschr., 1934, **60**: 1249.—**Pinto da Rocha, A.** Organização e funcionamento do Serviço de saúde do Exército alemão. Bol. Dir. serv. saúde mil., 1942, **5**: 9–36.—**Rittel.** Die Sanitätsdienste und ihr Einsatz im Kriege. Mil. Wbl., Berl., 1939–40, **124**: 146; 215.—**Werner.** Die Organisation des Sanitätsdienstes in den ehemaligen deutschen Schutzgebieten vor und nach dem Weltkriege. Deut. med. Wschr., 1938, **64**: 268; 309.—**Wolff, U.** Zusammenarbeit der vorderen Sanitätseinrichtungen. Münch. med. Wschr., 1942, **89**: 529–33. Also Bull. War M., Lond., 1942–43, **3**: 125 (Abstr.)

—— by countries: Great Britain.

Army medical service in the field. J. Am. M. Ass., 1943, **123**: 106.—**Bułajewski, M.** [Organization of military health service in England] Lek. wojsk., 1939, **34**: 88–113.—**Gear, H. S.** Army health and medical administration. Lancet, Lond., 1947, **2**: 589–91.—**Medical** organization for action. J. R. Nav. M. Serv., 1941, **27**: 219–21.—**Organization** of medical services in war [Great Britain] J. Am. M. Ass., 1939, **112**: 1176.—**Zelenev, N.** Skhema organizacii pekhotnoj divizii Anglijskoj Armii voennogo vremeni (chart) In: Bolsh. med. encikl., 1928, **5**: 429.

—— by countries: Hungary.

MAYER, C. F. Contemporary military medical affairs in captive Hungary. p. 114–27. 8° Wash., 1952.
Also Mil. Surgeon, 1952, **111**:

Aranyosi, L. A miniszter Bajtárs 015. sz. parancsa és az ebből adódó feladatok az eü. szolgálatban. Honvédorvos, 1950, **3**: 539–42.—**Salamon, O.** A nemzetközi helyzet és az egészségügyi szolgálat. Ibid., 459–61.

—— by countries: India.

HUARD, P., & GINESTE, G. Documents sur l'organisation et le fonctionnement du Service de santé militaire des Indes anglaises. p. 605–91. 22½cm. Par., 1939.
Ann. méd. pharm. col., Par., 1939, **37**:

Thiroux, A. L'organisation des Services sanitaires militaires et civils dans l'Inde anglaise. Presse méd., 1939, **47**: 1377.

—— by countries: Italy.

MANGANARO, C. Il servizio sanitario militare in guerra. 2. ed. 346p. 25½cm. Milano, 1938.

REITANO, U., & GELONESI, G. Organizzazione e funzionamento del servizio sanitario nelle spedizioni coloniali. p. 1–72. 23½cm. Wash., 1939.
Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., **1**:

Adunata delle forze sanitarie combattenti. Ann. med. nav., Roma, 1934, **40**: pt 2, 780–9.

—— by countries: Japan.

JAPAN. RIKUGUN-SYŌ. Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki [Past and present medical proficiency of the Imperial Army, and the medical proficiency of the armies of the European powers] 505p. 22½cm. Tōkyō, 1930.

Christen. L'hygiène dans l'armée japonaise. Mém. Soc. sc. Seine-et-Oise, 1910, **19**: 144–63.—**Miki, R.** Rikugun ni okeru kenpei taisaku no zitu-zyō ni tuite [Actual state of the health policy of the army] Kōsei kagaku, 1942, **3**: 505–21.—**Silvado, J.** A hygiene no exercito japonez. Porto med., 1908, **5**: 110–5.

—— by countries: Mexico.

Adalid e Islas, C. Organización de secciones sanitarias fijas. Mem. Convenc. méd. mil. mex., 1936, 33–40, diagr.—**Ballesteros Altamirano, G.** La organización del servicio de sanidad militar en nuestras campañas. Ibid., 191.—**Landero Ramirez, I.** Organización de la sección sanitaria de los cuerpos. Ibid., 193.

—— by countries: Poland.

Moguczy, M. Organizujmy służbę zdrowia godną wojska demokratycznego państwa. Lek. wojsk., 1945, No. 3, 3–9.—**Szarecki, B.** O nowe oblicze wojskowej służby zdrowia. Ibid., 1949, **25**: 5–11.—**Zelenev, N.** Skhema organizacii voenno-sanitarnoj służby (mirnogo vremeni) v Polśe (chart) In: Bolsh. med. encikl., 1928, **5**: 437.

—— by countries: Portugal.

Mira da Silva, A. C. Formações sanitarias Z constituïção instalação e funcionamento. Bol. Dir. serv. saúde mil., 1938, 355–76.—**Pachêco, A.** O Serviço de saúde na zona da retaguarda do II Exército. Ibid., 1939, 141–70, tab.—**Teixeira, L. M.** Le panorama du service sanitaire de l'Armée portugaise. Bull. internat. Serv. santé, Liége, 1946, **19**: 397–405.

—— by countries: Romania.

Zamfir, D. Principes généraux de réorganisation du Service sanitaire de l'Armée. Bull. Acad. méd. Roumanie, 1947, **12**: 216–20.—**Zelenev, N.** Skhema organizacii voenno-sanitarnoj służby armejskogo korpusa (mirnogo vremeni) v Rumynii (chart) In: Bolsh. med. encikl., 1928, **5**: 437.

—— by countries: Russia.

Back from Russia; British surgeons tell of the medical services in U. S. S. R. Nurs. Times, Lond., 1943, **39**: 629.—**British** surgeons observe Russian medical services. J. Am. M. Ass., 1943, **123**: 226.—**Burdenko, N. N.** The Russian Army medical personnel on the battlefield. J. Internat. Coll. Surgeons, 1944, **7**: 414–6.—**Burštyn, S.** Zadači voenno-sanitarnoj służby i rabota graždanskikh učreždenij zdravookhranenija. Profil. med., Kharkov, 1927, **6**: No. 10, 152–7.—**Graščenkov, N. I.** [Sanitary service organization and its problems] Hig. & san., Moskva, 1939, **4**: No. 10, 1–3.—**Krivošein, M.** [Organization of the medical unit in the Red Army] Voen. san. delo, 1936, No. 8, 3–6.—**Laletin, G.** [The cadres of the Medsanbat] Ibid., 1942, No. 7, 80.—**Mamushin, S. A.** [Sanitary service of the Red Army during peace time] In: Rukov. kurs. sredn. med. pers. (Ikhtciman, M. S.) Moskva, 1937, 650–4.—**Pravdin, A. N., & Menšikov, F. K.** Ob organizacii terapevtičeskoj pomoščhi v voennom okruge glubokogo tyla. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 19–26.—**Rubenstcin, C. L.** Medical service in the U. S. S. R. Army. California West. M., 1943, **59**: 21.—**Rufanov, I. G., & Rostocky, I. B.** [Organization of medical service of the Red Army] In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 35–53.—[**Sanitary** Service in the Red Army] Lek. wojsk., 1937, **30**: 236–51.—**Shutnikov, F. A.** Rekognoscirovka i organizacija sanitarnogo obespečenija strelkovogo korpusa pri nastuplenii. Voen. san. delo, 1940, No. 5, 20–31.—**Smirnov, E. I.** [Certain organization problems of the field sanitary service] Ibid., 1943, No. 5, 3–8.—**Trojanker, B.** [Sanitary service and military instructions in the Red Army] Ibid., 1935, No. 3, 18–21.—**Uglov, V. A., & Krotkov, F. G.** [Attainments of Soviet hygiene in the Red Army] Voen. med. J., Moskva, 1933, **4**: 13–20.—**Zavališin, I. N.** Medical service in the Red Army. Mil. Surgeon, 1943, **92**: 189–93.—**Zelenev, N.** Voenno-sanitarnoe delo; principy i organizacia V.-s. d. v RKKA. In: Bolsh. med. encikl., 1928, **5**: 444–52.

—— by countries: Spain.

SANIDAD (LA) MILITAR EN EUZKADI. 267p. 4° Bilbao, 1937.

SPAIN. MINISTERIO DE LA GUERRA. Organización de las formaciones sanitarias: Gráficos del servicio en general; gráficos de servicios especiales. 13 l. 68cm. Madr., n. d.

Balmori, H. Táctica y organización de estos servivios en el Ejército. Rev. españ. med. cir. guerra, 1939, **2**: 49–63, illust.—**Ortega Gordejuela, L.** Las tropas de sanidad militar en los escalones de División y Cuerpo de Ejército. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 585–601.

—— by countries: Switzerland.

Hauser. Hygiene in the Swiss Army. J. State M., Lond. 1930, **38**: 138–41.—**Moppert.** Organisation du service de santé de l'Armée Suisse. Praxis, Bern, 1940, **29**: 157–60.—**Ott, W.** Mission accomplished und die jetzige Organisation des Schweizerischen Sanitätsdienstes. Vjschr. schweiz. Sanitätsoff., 1950, **27**: 11–8.—**Rintelen.** Zur Frage der Reorganisation der Sanitätsabteilung. Ibid., 1946, **23**: 14–25.

—— by countries: Turkey.

Ekrem Sâdi Kavur. Sihhiye hizmetinin bazi hususiyetleri. Askeri sihhiye mecmuasi, 1945, **74**: No. 44, 25–34.—**Hasan Kadri Dirim.** Harpte ordu sihhiye hizmeti esaslari. Ibid., 1944, **73**: No. 43, 36–47.—**Mazlum Boysan.** Harpte sihhiye hizmetinin organizasyonu ve çalişmasi. Ibid., 80–8.—**Necdet Albay.** Cene yaralilari nerede mütehassislar tarafindan tedavi edilmelidir? Ibid., 1942, **71**: 9–17.—**Süreyya Endik.** [Present factors and exigencies of war, necessitating organized sanitary service with all forms of activity for the present day] Ibid., 1939, No. 27, 91–4.

—— by countries: United States.

Billings, J. S. Army medical organization; a presentation of the case. Mil. Surgeon, 1946, **99**: 40–50.—**Menninger, W. C.** Organization of the Medical Department. In his Psychiat. in a Troubled World, N. Y., 1948, 233–7.—**Organization** of medicine and military services. J. Am. M. Ass., 1940, **115**: 1724.—**Quade, O. H.** Organización del departamento médico en el Ejército americano. Rev. san. mil., Lima, 1943, **16**: 91–9.—**Reynolds, C. R.** The organization and activities of the Medical Department of the Army. Army M. Bull., 1938, No. 44, 1–34. Also Mil. Surgeon, 1938, **82**: 289–315.—**Toubert & Uzac.** A propos de l'organisation du Service de santé dans l'Armée américaine en parallèle avec celle du Service de santé militaire français. Bull. Soc. méd. mil. fr., 1945, **39**: 212–8.—**Trends** in medical organization. Med. Bull. U. S. First Army, 1949, **4**: No. 2, 14–7.—**Zelenev, N.** Skhema organizacii voenno-sanitarnoj służby pekhotnoi divizii (voennogo vremeni) v S. A. S. Sh. (chart) [U. S. A.] In: Bolsh. med. encikl., 1928, **5**: 429.

MEDICAL policy.

GREAT BRITAIN. COMMITTEE ON THE MEDICAL BRANCHES OF THE DEFENCE SERVICES. Report. 49p. 8° Lond., 1933.

UNITED STATES. ARMED FORCES MEDICAL ADVISORY COMMITTEE. Progress report, January–July 6, 1949. p. l., 12 l. 27cm. Wash., 1949.

UNITED STATES. DEPARTMENT OF DEFENSE. COMMITTEE ON MEDICAL AND HOSPITAL SERVICES OF THE ARMED FORCES. Final report [v. l.] 27cm. Wash., 1949.

MEDICAL preparedness.

See under **Preparedness.**

MEDICAL record.

See **Health card; Record,** medical.

MEDICAL research.

See under **Research.**

MEDICAL school.

See **School.**

MEDICAL service.

See also **Air Force Medical Service; Collecting station; Disabled; Division,** infantry; **Emergency medical service; Evacuation-of wounded,** Medical and surgical service; **First aid,** Medical service; **Gas poisoning,** Medical service; **Hospital ship,** Medical service; **Medical care; Navy medical service.**

Cannon, W. B. Medical aid in modern war. J. Ass. M. Students, 1937–38, **2:** 116–9.—**Courville, C. B.** Relationship of the medical service to the combat arms. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 27–33.—**Gracia García, G.** Los efectivos del Ejército en guerra. México méd., 1938, **1:** 115–31.—**Lobo, A.** Previsões do serviço de saúde na guerra. Rev. med. mil., Rio, 1939, **28:** 334–56.—**Lull, G. F.** Medical service in war. Q. Bull. Northwest. Univ. M. School, 1944, **18:** 261–4.—**Magrath, C. W. S.** Essay on medical arrangements in war. J. R. Army M. Corps, 1906, **7:** 455; 531.—**Marsh, E. H.** Medical service in war. Westchester M. Bull., 1939, **7:** No. 10, 7.—**Martín Rocha, J.** Fundamentos científicos del servicio de sanidad en campaña en su papel de recuperación de los efectivos. Ejército, 1942, No. 32, 76–80.—**Mazza, M. A.** Servicio sanitario en campaña; conceptos fundamentales; organización del servicio; la tarea médico quirúrgica en los escalones; el encadenamiento de las formaciones; las evacuaciones. Rev. san. mil., B. Air., 1944, **43:** 189; 267.—**Medical** arrangements in time of war. J. Am. M. Ass., 1939, **113:** 1577.—**Neto Cabral, M.** Noções gerais sôbre o serviço de saúde em campanha. Bol. Dir. serv. saúde mil., 1940, **3:** 255–79.—**Richard.** Sanitätsdienstliche Probleme für den Truppen-Kommandanten. Militärsanität, Zür., 1947, **29:** 36; passim.

—— Coordination.

Armstrong, H. G. The importance of coordinating the military and naval medical services with the civilian medical profession. Mil. Surgeon, 1937, **80:** 171–81.—**Burston, S. R.** Coordination of medical services in war. Med. J. Australia, 1949, **2:** 37–41.—**Reciprocal** medical and hospital care of members of the Armed forces of the United States and Canada when furnished by available facilities under the jurisdiction of their respective services [form letter] Bumed News Lett., Wash., 1943, **2:** 25.

—— Criticism.

Avdeev, M. Vraćebnye ošibki. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1037–42.—**O'Sheel, P.** M.D.'s blast Army methods. Med. Econom., 1940–41, **18:** No. 8, 61–3.—**Pulford, D. T.** Clinical medicine, Army style. Homeop. Rec., 1947–48, **63:** 24–6.

—— History.

Flesch, M. 1870–1871 und 1914–1918; von der Verwundeten- und Krankenpflege in zwei Kriegen. 296p. 8° Frankf., 1930.

Poncin, A. C. *Le règne de Louis XIV et l'organisation du Service de santé militaire. 135p. 25cm. Lyon, 1944.

Wolff, A. Heeressanitätsdienst einst und jetzt. 73p. 20cm. Münch., 1943.
Forms v. 8, Lehmanns Wehrmachtsbücher.

Ammann, W. Das Heeressanitätswesen in der Vergangenheit und seine Entwicklung bis zur Neuzeit. In: Sanitätstruppen, Zür., 1942, 9–13, illust.—**Drigalski, W. v.** Der Kämpfer in der guten alten Zeit. In his Aufstieg d. San. Korps, Oldenb., 1939, 11–24.—**Møller-Christensen, V.** Militaerlaeger og bartskaerere. Acta hist. sc. natur. med., Kbh., 1944, **3:** 87.—**Scherpf.** Streifzug durch 5 Jahrhunderte bayerischen Militärsanitätswesens. Veröff. Heer. San., 1938, No. 105, 11–29.—**Wall, C.** Army medical service under the Tudors. Med. Press, Lond., 1948, **220:** 536–41.—**Zamponi.** Der Sanitätsdienst im ehemaligen Oesterreichischen Bundesheer. Deut. Militärarzt, 1939, **4:** 81–3.

—— Veterans.

American Legion plans program for medical service. J. Am. M. Ass., 1945, **127:** 97.—**Bauckus, H. H.** Veterans Medical Service Plan. N. York State J. M., 1946, **46:** 2425.—**Blain, D.** Program of the Veterans Administration for the physical and mental health of veterans. Bull. Menninger Clin., 1946, **10:** 33–46. —— Program and responsibilities of the Veterans Administration for physical and mental health resources for veterans. Connecticut M. J., 1946, **10:** 384–91.—**Cady, L. D.** The Veterans Administration medical service. Texas Hosp., 1947–48, **3:** No. 5, 10.—**Doran, T. J.** Procedures for service under the Wisconsin Veterans Medical Service Agency. Wisconsin M. J., 1947, **46:** 31–7.—**Emerson, H.** Medical and hospital care of beneficiaries of the United States Veterans' Bureau. Mod. Hosp., 1921, **17:** 282–5.—**Griffith, C. M.** The medical and hospital service of the Veterans' Administration. Mil. Surgeon, 1936, **79:** 251–67.—**Hamann, C. A.** Veteran's medical service. Bull. Acad. M. Cleveland, 1947, **32:** No. 11, 10.—**Harding, J. C.** Medical service for veterans. J. Am. M. Ass., 1946, **130:** 415–7.—**Harper, E. C.** Medical service second to none. Virginia M. Month., 1947, **74:** 145–9.—**Hawley, P. R.** The medical program of the Veterans' Administration. Nebraska M. J., 1946, **31:** 485–8.—**Kemp, H. A.** The Michigan State Medical Society's plan for providing medical care for beneficiaries of the Veterans' Administration. J. Arkansas M. Soc., 1945–46, **42:** 243–7.—**Levenick, L. B.** Relation of Wisconsin Department of Veterans Affairs to WVMSA. Wisconsin M. J., 1947, **46:** 42–4.—**Loenz, W. F.** Prompt medical service to veterans; a plan for Wisconsin. Ibid., 1945, **44:** 432–4.—**McClung, M. L.** Questions and answers about Veterans medical service. J. Indiana M. Ass., 1946, **39:** 657–61.—**Relation** of the Veterans Administration to WVMSA. Wisconsin M. J., 1947, **46:** 38–41.—**Tibbals, W. H.** Experiences of the Rocky Mountain states with the V. A. program. Rocky Mountain M. J., 1947, **44:** 1004–6.

—— by countries.

Bengoa, J. M. Bosquejo sobre servicios asistenciales en tiempo de guerra. ENE, Caracas, 1942, **1:** No. 4, 7–9.—**Gallemaerts, V.** L'organisation du Service de santé de l'Armée belge en Grande-Bretagne. Arch. Serv. san. Armée belge, 1946, **99:** 222–32.—**Kobro, I.** Om ny forsvarsordning. Norsk tskr. mil. med., 1932, **36:** 4–11.—**Liškutín, J.** Vojenské preventivní lékařství u 1. čs. armádního sboru SSSR na území Československé republiky. Voj. zdrav. listy, 1948, **17:** 1–24.—**Monserrat, S.** Sanidad de campaña en el Reich y la U. R. S. S. Ejército, 1942, No. 30, 51–6.—**Robinson, J. T.** The Transjordan frontier force. J. R. Army M. Corps, 1938, **71:** 255–60.—**Ruvidič, Z. M.** [General principles of the military sanitary health service] Voj. san. glasnik, 1940, **11:** 23–38.—**Souttar, H. S.** Allied medical services. Brit. M. J., 1943, **2:** 82.—**Sze, S.** Army medical services. In his China's Hcalth Probl., Wash., 1943, 31–4.—**Valle, A.** A katonakötelesek egészségügyi gondozása a Finn hadseregben. Orvosképzés, 1939, **29:** 411–5.

—— by countries: Argentina.

Barbieri, P. Problemas a resolver por la Sanidad militar argentina. Rev. mil., B. Air., 1937, **68:** 1361–5.—**Servicios** médicos, odontológicos y farmacéuticos del Ejército; nuevos aranceles. Rev. san. mil., B. Air., 1941, **40:** 276–8.—**Toubert.** El servicio de sanidad en el gran cuartel General Frances. Rev. mil., B. Air., 1935, **35:** pt 2, 637; 881; 1109.—**Vidaurreta, M. F.** Indice nosológico del reglamento para el Servicio sanitario en tiempo de paz; reconocimientos militares. Rev. san. mil., B. Air., 1940, **39:** 1061, 8 tab.

—— by countries: Bolivia.

Fortún, J. C., & Osorio, E. L. Informe sobre la función médica en el reclutamiento en el asiento de la región militar No. 2; No. 3. Rev. san. mil., La Paz, 1940, **4:** 830–9.

—— by countries: Brazil.

Abreu, F. de. Criações brasileiras no Serviço de saúde em campanha. An. Hosp. centr. exerc., Rio, 1942, **7:** 25–36. Also Rev. méd. brasil., 1944, **16:** 165–88.—**Carvalho Teixeira, J. C. de.** Relações entre os chefes do Serviço de saúde e os comandantes das respectivas grandes unidades. Bol. Dir. serv. saúde mil., 1944, **6:** 5–13.—**Cerqueira, A.** Distribuiçao das funções no Serviço de saúde do Exército. Rev. med. mil., Rio, 1938, **27:** 51–6.—**Jungblut.** A medicina ao Serviço do Exercito. Med. germ., Rio, 1940–41, **9:** 630–5.—**Lobo, A.** Método para resolução de temas de Serviço de saúde. Rev. med. cir. Brasil, 1942, **50:** 469–80.—**Martins Pereira, H. A.** Diretivas do Serviço de saúde em campanha. Rev. med. mil., Rio, 1944, **33:** 233–42.—**Medina, D. S.** Como atuou no front o Serviço médico da F. E. B. Arq. brasil. med. nav., 1946, **7:** 981–4.—**Roza, R. da, & Castro, A. de.** Esquema para solucionar themas do Serviço de saúde em campanha. Rev. med. mil., Rio, 1937, **26:** 133–7, ch.

—— by countries: Bulgaria.

Kaĭdmov, I. M. Očerki po istorijata na blgarskata voenno-sanitarna služba. Voen. san. delo, Sofia, 1947, **2:** 13–51.—**Micov, Z. V.** Istoričeskata rolja na ruskata voenna mědicina za blgarskata voenno-sanitarna služba. Ibid., 5–12.

—— by countries: Cuba.

Randin Vergara, J. Algunas manifestaciones de nuestra sanidad militar. Rev. san. mil., Habana, 1937, **1**: 10–2.—**Yanes y Rojas, T. R.** Servicio de sanidad en campaña. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 165–89, illust.

—— by countries: France.

Clavelin, C. H. C. J., & Jame, L. E. P. G. Le Service de santé militaire du temps de paix et du temps de guerre. 16. éd. 497p. 23cm. Par., 1939.

Ducos, H. Le Service de santé militaire en France, 13 septembre 1939–10 mai 1940. 216p. 22cm. Par., 1946.

Leman, H. Service de santé militaire. 636p. 25cm. Brux., 1937.

Cazaux. Fonctionnement du Service de santé des Forces françaises de l'intérieur dans la région D (ex 8ème région militaire) Maroc méd., 1947, **26**: 210–4.—**Dejouany, A. A.** Les prévisions; notes et barèmes. Arch. méd. pharm. mil., 1924, **81**: 445–83.—**Gouyrand, J.** Le Service de santé de l'Armée. Bol. Dir. serv. saúde mil., 1947, **10**: 71–98.

—— by countries: Germany.

Brekenfeld. Der Anteil des öffentlichen Gesundheitsdienstes an der Stärkung deutscher Wehrkraft. Oeff. Gesundhdienst., 1936–37, **2**: B, 473–5.—**Erhebung** (Ueber die) der Beiträge zur Pflichtversorgung. Aerztebl. Hessen, 1940, **8**: 195.—**Failure** of German Army medical service. J. Am. M. Ass., 1942, **119**: 665.—**Handloser.** Der Heeres-Sanitätsdienst im Wehrmachtmanöver 1937. Deut. Militärarzt, 1938, **3**: 79–85.—**Hume, E. E.** A visit to the German Army medical service in 1937. Mil. Surgeon, 1941, **88**: 347–70. Also Spanish transl., Rev. san. mil., Habana, 1941, **5**: 15–32.—**Kittel.** Neuzeitlicher Sanitätsdienst. Deut. Militärarzt, 1937, **2**: 273–81.—**Leitsätze** des Oberkommandos der Wehrmacht über die Heilbehandlung, Fürsorge und Versorgung für Uebende. Reichsgesundhbl., 1939, **14**: 97–102.—**Pinto da Rocha, A.** Algumas impressões sôbre o Serviço de saúde do Exército alemão. Bol. Dir. serv. saúde mil., 1941, **4**: 105–20.—**Wolff.** Problems of the German medical service. Mil. Rev., Fort Leavenw., 1942–44, **23**: No. 12, 95.

—— by countries: Great Britain.

Fowler, J. K. The medical and nursing services of the Imperial Army. 16p. 21½cm. Lond., 1917.

Great Britain. War Office. Regulations for the Army Medical Service, 1906; reprinted with Amendments, up to 30 September, 1914. 183p. 18½cm. Lond., 1914.

—— Regulations for the medical services of the Army, 1938. 457p. 17½cm. Lond., 1943.

Berkley, E. A. R. Reorganization, medical services. J. R. Army M. Corps, 1946, **87**: 151–5.—**Cowell, E. M.** Notes on the Army medical services. Brit. M. J., 1940, **1**: 141.—**Defence** (The) services. Lancet, Lond., 1943, **2**: 263.—**Duarte da Cunha, B.** Diretivas da organização e funcionamento do Serviço de saúde do Exército Britânico (Royal Army Medical Corps) em campanha. Rev. méd. brasil., 1946, **21**: 51–70.—**East** African medical service lists. East Afr. M. J., 1939–40, **16**: 312–9.—**Learmonth, J. R.** Note on a visit to medical units in 21 Army Group. J. R. Army M. Corps, 1945, **84**: 235.—**Munday, R. C.** Comparisons of the naval, military, R. A. F. and civil medical services with private practice. J. R. Nav. M. Serv., 1949, **35**: 131; passim.—**Nicholls, T. B.** An outline of the Medical Services of the British Army. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 904–9. Also 3. ed., Edinb., 1944, 1006–11.—**Parliamentary** medical committee and Army medical services. Brit. M. J., 1940, **1**: 511.—**Pennefather, A. L.** A survey of the history of the medical services of the army prior to and since the formation of the R. A. M. C. J. R. Army M. Corps, 1948, **91**: 125–8.—**Smart, A. G. H.** An impression of life in the Colonial medical service. S. Thomas Hosp. Gaz., Lond., 1939, **37**: 123–6.—**Smyth, E. A.** Reorganization of the medical services of the Armed forces. Brit. M. J., 1949, **2**: 751.

—— by countries: Hungary.

Losonczy, G. A katona egészségvédelem jelentősége és néhány problémája. Honvédorvos, 1950, **2**: 310–6. ——— A csapatgyakorlatokon értékesítsük a nyári kihelyezések egészségügyi tapasztalatait. Ibid., 380–93.

—— by countries: India.

Indian Medical Service. Lancet, Lond., 1941, **2**: 258.—**Jameson, H. P.** Medical problems in the Army in India. J. Ind. M. Ass., 1943–44, **13**: 25.—**Mackenzie, J.** Military hygiene and pathology in India. J. R. Army M. Corps, 1928, **51**: 241; passim.

—— by countries: Indonesia.

Freijtag, C. J. de. Recueil voor den militair geneeskundigen dienst in Nederlandsch-Indië. 239p. 25cm. Batavia, 1894.

—— by countries: Italy.

Förster, B. *Das italienische Sanitätswesen; vom Weltkrieg bis zum Ende des Italienisch-Abessinischen Krieges 1914–1936. p.100–31, 23½cm. Berl.-Tempelhof, 1938.

Also in Veröff. Heer. San., 1937, H. **104**:

Monserrat, S. El Servicio sanitario en campaña, del Ejército italiano. Rev. españ. med. cir. guerra, 1942, año 5, 421–6.—**Paolucci, R.** Pensieri di guerra e di pace di un bersagliere marinaro. Minerva med., Tor., 1935, **26**: pt 1, 681–3.—**Severi, P.** Otto mesi di servizio in Marmarica. Rass. clin. ter., 1937, **36**: 227–33.

—— by countries: Japan.

Japan. Rikugun-syō. Dai Nippon Teikoku Rikugun-syō zyūni-kai tōkei nenpō [Twelfth annual statistical report of the Army Ministry of the Japanese Empire] 884p. 25½cm. Tōkyō, 1899.

—— by countries: Mexico.

Hernández Vela, S. El Servicio de sanidad en campaña y su inportancia adquirida durante la ultima guerra mundial. Mem. Convenc. méd. mil. mex., 1936, 195–7.—**Suárez Torres, G.** Importancia del Servicio de sanidad militar. Rev. méd. mil., Méx., 1938, **1**: 22–30.—**Vargas, F. E., & González Cosío, A.** Servicio de sanidad en la guerra. Mem. Convenc. med. mil. mex., 1936, 79–85, 28 p.

—— by countries: Peru.

Evolución de los Servicios de sanidad como consecuencia de las últimas guerras. Rev. san. mil., Lima, 1936, **9**: 11–23.—**Fernández Davila, G.** Sinopsis histórica del Servicio de sanidad del Ejército peruano. Ibid., 1937, **10**: 7–14.—**Servicio** de sanidad de nuestro Ejército. Rev. mil. Perú, 1944, **41**: 397–400.

—— by countries: Philippine Islands.

Luna, V. Plan for the Medical Service, P. A., in accordance with the National Defense Act. Rev. filip. med., 1936, **27**: 305–12.—**Valdes, B. J.** Medical preparedness; Philippine Army. J. Philippine M. Ass., 1941, **21**: 605.

—— by countries: Poland.

Giedroyć, F. Służba zdrowia w dawnem wojsku polskiem. 53p. 27½cm. Warsz., 1927.

Konopka, S. [History of the sanitary service in the Polish Army] Lek. wojsk., 1936, **28**: 581–96.—**Maszadro, K.** Służba zdrowia w nowoczesnej wojnie. Ibid., 1941, **34**: 131–4.—**Prechner, A.** Organizacja służby zdrowia dywizji piechoty podczas natarcia. Ibid., 1949, **25**: 259–69.—**Rudke, L.** [The author's sanitary service in the 2nd brigade of the Polish Legions] Ibid., 1936, **28**: 341–64.—**Ryll-Nardzewski, C.** [Sanitary service in Szczypiorne and Łomża] Ibid., 365–411.—**Streit, L.** [Sanitary service of the Polish Legions] Ibid., 437–57.

—— by countries: Portugal.

Gião, M. O serviço de saúde militar. Clín. hig. & hidr., Lisb., 1938, **4**: 83–7.

—— by countries: Russia.

Georgievsky, A. S. Основы организации и тактики медицинской службы действующей армии. 223p. 20½cm. Moskva, 1947.

Propper-Grashchenkov, N. I. Soviet health protection in peace and war, with an appendix: Notes of a guerilla surgeon. 36p. 19cm. Lond., 1945.

Bagdasarjan, S. M. Sanitarnaja služba v bojakh za rodinu. Voen. san. delo, 1941, No. 2, 7–10.—**Bunkin, N.** Vračebnyj kontrol. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1042–5.—**Georgievsky, A.** Upravlenie medicinskoj služboj. Ibid., **5**: 639–46.—**Grigorjev, A., & Strigin, M.** Medicinskaja služba. Ibid., **3**: 946–60.—**Korneev, B. M.** Konferencija v Kujbyševskoj voenno-medicinskoj akademii; tema konferencii: Sanitarnaja služba roty i bataliona v boju. Voen. san. delo, 1940, No. 8, 89–91.—**Lukacky, N.** Mediko-sanitarnaja služba na morskikh sudakh. Med. rabot., 1947, **10**: No. 21, 2.—**Maslinkovsky, T.** Medicinskaja služba armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 264–70.—**Miterev,**

G. A. Red Army medical service in modern war. Laborat. Digest, S. Louis, 1944–45, **8:** 3.—[**Organization** of pre-medical aid during military operations] Farmacia, Moskva, 1941, **4:** No. 11, 3–14.—**Shustov, V. M.** O zadaćakh lećebnoj raboty v Krasnoj Armii. Voen. med. J., Moskva, 1946, 3–10.—**Sokolov, A. N.** Zadaći podgotovki medicinskikh kadrov Krasnoi Army. Voen. san. delo, 1940, No. 6, 1–6.—**Strigin, M.** Medicinskaia služba; mediko-sanitarnaja služba flota. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 956–9.—**Voitenko, M. F.** [Medical service for military operations in populated localities] Med. sestra, Moskva, 1944, No. 4, 10–4.—**Zavališin, N.** Medicinskaja služba Sovetskoj armii. Med. rabot., 1950, **13:** No. 8, 3.

—— by countries: Sweden.

Bauer, F. Vilka fordringar i kirurgiskt avseende kunna vi ställa på de läkare, som arbeta å krigsskådeplatser? Allm. sven. läk. tidn., 1915, **12:** 129–36.—**Nyström, G.** Om organisation av elever vid de allmänna läroverkens högre klasser såsom tillfälliga biträden inom den frivilliga sjukvården under krigstid samt om en enkel och billig anordning för transport av sjukbårar medelst cyklar. Ibid., 273–83, illust.

—— by countries: Switzerland.

Développment (Le) du Service de santé dans l'Armée suisse. Bull. internat. Serv. santé, Liége, 1947, **20:** 165–84.—**Jaeger, H.** Services derrière le front. In: Sanitätstruppen, Zür., 1942, 30–6.—**Meuli.** Ueber den Sanitätsdienst bei den Eskorten der Auslandszüge in den Jahren 1919–1921; ein Beitrag zur Geschichte der Abt. f. Transporte des Eidg. Militärdepartements (E. M. D.) Schweiz. med. Wschr., 1936, **66:** 152.—**Richard.** Ueber Zukunftsaufgaben des Armee-Sanitätsdienstes. Vjschr. schweiz. Sanitätsoff., 1945, **22:** 60–3.—**Schitlowsky, M.** L'instruction en campagne des unités du Service de santé de l'Armée suisse. Off. internat. docum. méd. mil., 1936, 6. sess., 85–109. Also Bull. internat. serv. santé, Liége, 1937, **10:** 149–67.

—— by countries: Turkey.

Cezmi Türk. Askerî sihhiye hizmeti tarihi [History of the military medical service] Askeri sihhiye mecmuasi, 1940, **69:** No. 32, 1; 1941, **70:** No. 33, 4.—**Sadettin Tosun.** Haydarpaşa asker hastenesi (1845–1945) yüzüncüyili münasebetile. Ibid., 1946, **75:** No. 46, 47–53.—**Semşettin Camoğlu.** [War medicine; division of service] Ibid., 1939, **68:** No. 28, 101–6.

—— by countries: United States.

Bliss, R. W. On the medical service of the United States Army; statement before the Committee of the National Security Organization, Commission on Organization of the Executive Branch of the Government. 24 l. 27cm. Wash., 1948.

United States. Army. Surgeon-General's Office. Report on medical service of the Army to the Committee on the National Security Organization, Commission on Organization of the Executive Branch of the Government. 5. Oct. 1948. 45p. [14] l. 10p. 32cm. Wash., 1948.

Bliss, R. W. O futuro do Serviço de saúde do Exército dos Estados Unidos (transl.) Rev. med. mil., Rio, 1948, **37:** 263–8.—**Clark, M. W.** Lieut. Gen. Mark W. Clark eulogizes Medical Corps' services. J. Am. M. Ass., 1943, **123:** 640.—**Corby, J. F.** The newer Army Medical Service. Week. Roster, Phila., 1939–40, **35:** 555.—**Darnall, J. R.** A panoramic sketch of U. S. Army Medical Service today. J. Am. M. Ass., 1941, **117:** 2174–7. ——— A general perspective of the U. S. Army Medical Service. Army M. Bull., 1942, No. 61, 147–62.—**Declaraciones** de la Misión médica militar chilena que visita EE. UU. Bol. méd. Chile, 1943–44, **19:** No. 812, 1.—**Hawley, P. R.** The medical service of the United States Army. J. Indiana M. Ass., 1940, **33:** 446–50.—**Heflebower, R. C.** The organization of the medical service of the Army in war. Illinois M. J., 1938, **73:** 162–7.—**Laws, H. A., jr.** Medicine in the Armed Forces of our country. J. Tennessee M. Ass., 1942, **35:** 169–75.—**Ledfors, G. E.** Centralization of the U. S. military medical service of the Armed Forces. J. Aviat. M., 1949, **20:** 260–78.—**Magee, J. C.** Medical activities of the augmented military forces. Ann. Int. M., 1940–41, **14:** 2173–8.—**Matlack, F. S.** The military side of medical service. Army M. Bull., 1937, No. 38, 50–4.—**Middleton, W. S.** United States Army. In: Interallied Conf. War Med. (1942–45) 1947, 485–8.—**Padua, R. G.** Medical service in the United States Army. Rev. filip. med., 1936, **27:** 297–304.—**Questions** about medical service with the fighting forces. Med. Econom., 1941–42, **19:** No. 11, 31–3.—**St. John, C. F.** The needs of the Army Medical Service. N. York State J. M., 1949, **49:** 1077: passim.—[Secretary of War] Stimson names unit to study medical services of Army. Fed. Bull., Chic., 1942, **28:** 368.—**Serving** the needs of our Armed Forces [illustrations] Surg. Equip., 1943, **10:** No. 3, 18.

MEDICAL Service Corps.

See also **Administration; Hospital administration; Medical supply.**

Andrus, C. L. The Medical Service Corps of the U. S. Navy. Mil. Surgeon, 1949, **105:** 273–5.—**Brooks, M.** The Medical Service Corps of the U. S. Naval Reserve. Ibid., 275–7.—**Estudios** comparativos acerca de los servicios administrativos sanitarios en los diferentes ejércitos de tierra, de mar y de aire. Rapp. Congr. internat. méd. mil., 1935, 8. Congr., **1:** 399–405.—**Goriup, O. F.** Medical Service Corps problems. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 107–9. ——— The Medical Service Corps. Mil. Surgeon, 1949, **104:** 362–5.—**Jones, H. W.** Medical services of the Armed Forces. In: Admin. Med. (Emerson, H.) N. Y., 1941, 777–97.—**Lewis, C. V.** Medical Administrative Corps. Mil. Surgeon, 1937, **80:** 299–305.—**Martin, F.** Volunteer Medical Service Corps. N. York M. J., 1918, **108:** 291–3.—**Medical** (The) Administration Corps of the Army. Science, 1942, **95:** 269.—**Negresco, M., & Balanesco.** Etude comparative des attributions des services administratifs sanitaires dans les différentes armées de terre, de mer et de l'air.—Rapp. Congr. internat. méd. mil., 1935, 8. Congr., **1:** 407–40.—**President** signs law creating Medical Service Corps. Fog Horn, S. Franc., 1946–47, **6:** No. 53, 1.—**S., F. C.** Relief for the Army medical officer. Philadelphia M., 1942–43, **38:** 5.—**Vansteenberghe, V.** Les attributions des services administratifs sanitaires dans l'armée de terre française. Rapp. Congr. internat. méd. mil., 1935, 8. Congr., **2:** 162–93.—**Volunteer** (The) Medical Service Corps. Med. Rec., N. Y., 1918, **93:** 903. Also N. York M. J., 1918, **107:** 890; 896.

MEDICAL soldier.

See also **Medical troops; Soldier.**

Babbling Brooke. Fort Sam Houston, Tex., v.**1**, 1946–

Esprit de corps. Carlisle Barracks, Pa., v.**1**, No. 12, 1930–

Soldiers in white. Denver, Apr. 1943–

Fitzgerald, E. Supervising and teaching. Mil. Surgeon, 1949, **104:** 446–8.—**Haas, A.** Zerrissen und entzweit [poem] In: Sanitätstruppen, Zür., 1942, 7.—**Kazizuka, R.** Doitu rikugun ni okeru eiseibu-ka sisotu kyōiku no gaikyō [The general situation in the German Army regarding the education of privates in the sanitation corps] Gun idan zassi, 1930, 551.—**Okunev, V. V.** [Instructions in sanitary service and education of a soldier in the Red army] In: Rukov. kurs. sredn. med. pers. (Ikhtciman, M. S.) Moskva, 1937, 664–9.—**Teasley, G. H.** Training the medical department soldier. South. Surgeon, 1942, **11:** 353–8.—**Training** China's young Army of medical aides. J. Am. M. Ass., 1944, **125:** 38.—**Voitenko, M. F.** Boevaja podgotovka sanitarov polkovogo punkta medicinskoj pomośći. Voen. san. delo, 1941, No. 5, 31–6.

—— Manual.

China. Chün. 18. Chi-t'uan-chün. Liu-shou-ping-t'uan. Wei-Shêng-pu. Chiai-p'ou-hsüeh [Anatomy; 18. Guard Corps. Sanitation Command] Hsia ts'ê. 299p. 18cm. [n. p.] [before 1937]

Eisei hei kyōtei. 14, 27, 319p. 18cm. Tōkyō, 1938.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 59: Unterrichtsbuch für Sanitätsunteroffiziere und -mannschaften. 430p. 21cm. Berl., 1939.

——— [Heeres-Druckvorschrift] H. Dv. 100: Krankenträgerordnung [Reprint] 120p. 15cm. Berl., 1938.

——— [Heeres-Druckvorschrift] H. Dv. 100/1: Ausbildungsvorschrift für Krankenträger und Sanitätskompanien. H. 1: Krankenträgerausbildung. Abschnitte H bis L. 44p. 15cm. Berl., 1938.

Japan. Rikugun. Rikugun hukyūban, dai-511-gō: Eisei-hō oyobi kyūkyū-hō [Popular army series, No. 511: Hygienics and emergency relief methods] 147p. 10½cm. Tōkyō, 1936.

Kalies, W. Die Sanitätsfibel. 89p. 19cm. Berl., 1933. Also 6. Aufl. 98p. 20cm. Berl., 1935. Also 9. Aufl. 103p. 18½cm. Berl., 1937. Also 10. Aufl. 108p. 20½cm. Berl., 1941.

Kolesnikov, N. V., & Shabanov, A. N. Медицинский справочник для фельдшеров. 574p. 21cm. Moskva, 1948.

Medical soldier's handbook. 371p. 19cm. Harrisb., 1941. Also 2. ed. 383p. 19½cm. Harrisb., 1942.

Sirakawa, Y. Guntai eiseigaku. 5. han insatu. 12, 165p. 18½cm. Tokyo, 1939.

United States. War Department. Medical department soldier's handbook. 486p. 22½cm. Wash., 1941.

MEDICAL student.

See also **Medical officer**, Procurement and assignment.

Beasley, L. Uxor medicae; the diary of a medical student's wife. Centaur, Menasha, 1941–42, **47**: 152; 223a; 1942–43, **48**: 23.—**British** (The) Medical Students' Association. J. Am. M. Ass., 1942, **120**: 1410.—**England** (In) now; a running commentary by peripatetic correspondents. Lancet, Lond., 1942, **1**: 271.—**Ingraham, I. H.** Medical students and social medicine. Med. J., Lond. (Can.) 1941–42, **12**: 68–71.—**Lassek, A. M.** The neglected premedics. J. Ass. Am. M. Coll., 1942, **17**: 175–7.—**Military** preparedness symposium for medical students. J. Am. M. Ass., 1942, **118**: 333.—**Pyke, D.** Great Britain's medical students at war. Interne, N. Y., 1943, **9**: 36–40.—**Schwartz, S.** Medical students in World War I. Med. Bull., N. Y., 1941–42, **7**: 87.—**Studenti** (Gli) in medicina laureati ad honorem caduti in combattimento [Illustr.] In: Libro d'oro, Roma, 1924, opp. p. 193.—**To-morrow's** medical student. Med. Press & Circ., Lond., 1942, **208**: 241–3.

—— Deferment.

See also **Recruiting; Service.**

Chronology of medical student deferment. N. York State J. M., 1941, **41**: 1143.—**Deferment** of medical students becomes vital problem; final decision rests with local draft boards; many more Ohio physicians called to active service during April. Ohio M. J., 1941, **37**: 485–8.—**Deferment** of medical students and internes. J. Iowa M. Soc., 1941, **31**: 594.—**Deferment** of medical and premedical students. J. Am. M. Ass., 1945, **127**: 599.—**DeRoulet, A.** Deferment of chiropody students. Chiropody Rec., 1942, **25**: 86.—**Hershey, L. B.** Deferments of professional students and instructors. J. Am. M. Ass., 1942, **118**: 464. ——— Deferment of premedical and medical students. Fed. Bull., Chic., 1944, **30**: 271–5. ——— & **Camalier, C. W.** Student deferment. J. Am. Dent. Ass., 1943, **30**: 582–4.—**Hertzog, L. S.** Deferment for medical students urgent. J. Am. Inst. Homeop., 1941, **34**: 170.—**Huntley, C. W.** A uniform premedical rating sheet. Bios, Mount Vernon, 1945, **16**: 221–6.—**Masoner, K. W.** Medical students ordered deferred by Selective Service Director. Hosp. Management, 1941, **51**: No. 5, 15.—**Medical** deferment. West Virginia M. J., 1941, **37**: 511.—**Medical** students, deans and deferment. Am. J. Surg., 1941, **54**: 587.—**Medical** students and interns must be allowed to complete their training. Nebraska M. J., 1941, **26**: 188.—**Medical** (The) students must be deferred. J. Am. M. Ass., 1941, **116**: 706.—**Progress** being made on deferment of medical students and interns; state and local preparedness committees act. Ohio M. J., 1941, **37**: 574.—**Selective** Service deferment of physicians, medical students and premedical students. J. Am. M. Ass., 1943, **121**: 131.—**Selective** Service system acts to defer medical students and interns. Ibid., 1941, **116**: 2171.—**Wilkerson, F. W.** Deferred status of medical students, internes and residents. J. M. Ass. Alabama, 1941–42, **11**: 169.

—— Education.

Arms, N., III. Loans for medical students; America needs more physicians in a hurry, so War Manpower Commission will provide funds to hasten their education. Med. Econom., 1941–42, **19**: No. 12, 58.—**Dalton, J. N.** Premedical and medical education as related to the United States Army. Fed. Bull., Chic., 1943, **29**: 70–6. Also Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1943, 39. Congr., 6–9.—**Douthwaite, A. H.** To those entering the clinical period. Guy's Hosp. Gaz., Lond., 1941, **55**: 247.—**Medical** colleges prepare to accelerate medical education. J. Ass. Am. M. Coll., 1942, **17**: 48.—**Pre-medics** organize hospital aides to solve personnel shortage; 70 Yale undergraduates spend 5 hours each week aiding nurses in New Haven Hospital. Hosp. Management, 1942, **53**: No. 2, 21.—**Warns** of dangers in speeding up production of physicians; A. M. A. Journal says any extensive efforts to increase number graduated each year will lower professional standards. Memphis M. J., 1942, **17**: 110.

—— Induction.

Army service of medical students and interns. Science, 1941, **93**: 417.—**B., A. P.** Students in war. S. Barth. Hosp. J., Lond., 1938–39, **46**: 137.—**Coburn, H. C.**, jr. The medical student and the military program. J. Bowman Gray School M., 1943, **1**: 20–7.—**Cumulative** shortage of physicians. J. Am. M. Ass., 1944, **125**: 856.—**Diehl, H. S.** Medical education and the Procurement and Assignment service. Fed. Bull., Chic., 1943, **29**: 105–13. Also Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1943, 39. Congr., 9–12.—**Estudiantado** (El) de medicina y la guerra. S. E. M., Caracas, 1942, **8**: No. 84, 1–3.—**Examens** (Les) du P. C. B. des étudiants appelés sous les drapeaux. Concours méd., 1940, **62**: 141.—**Fendall, R.** Students' call-up. Lancet, Lond., 1942, **1**: 547.—**Kelley, James O.** Shall medical defense be depleted? Phi Chi Q., 1941, **38**: 435.—**Lewis, E. L.** The medical student and the war. Centaur, Menasha, 1943–44, **49**: 126.—**Medical** (The) student and the draft. Texas J. M., 1941–42, **37**: 516.—**Medical** students and the Selective Service. J. Am. M. Ass., 1941, **116**: 2056.—**Memorandum** regarding military services; medical students, interns, and residents. Hospitals, 1941, **15**: No. 12, 45.—**Military** services of medical students, interns and residents. Arch. Derm. Syph., Chic., 1942, **45**: 156.—**Morgan, H. J.** Reflections of an Army officer on medical students and the war. J. Am. M. Ass., 1943, **122**: 71–4.—**Noel.** Le service militaire des étudiants en médecine. Bull. méd., Par., 1911, **25**: 425.—**Penman, W. J.** Students in uniform? Lancet, Lond., 1942, **1**: 337.—**Premedical** education and the 18 year old draftee. J. Am. M. Ass., 1942, **120**: 1042.—**Pre-medical** (To) and medical students. Mil. Surgeon, 1942, **90**: 333.—**Pre-medical** (To) and medical students in relation to the draft. Kentucky M. J., 1942, **40**: 75.—**Rappleye, W. C.** Memorandum regarding military services of medical students, interns and residents. J. Ass. Am. M. Coll., 1942, **17**: 43–5.—**Rowntree, L. G.** Selective Service and medical students. J. Am. M. Ass., 1942, **119**: 211.—**Sollmann, T.** The Dean's letter. Clin. Bull., Clevel., 1941, **5**: 78.—**Status** of the medical student. J. Indiana M. Ass., 1941, **34**: 688.—**Students** in uniform? Lancet, Lond., 1942, **1**: 307.

—— Reserve function.

Army reserve commissions for lower classmen. Messenger, 1942, **39**: No. 3, 22.—**Commissions** in Army reserve open to medical school lower classmen. Mil. Surgeon, 1942, **90**: 459.—**Medical** students to be transferred to reserve pool. J. Am. M. Ass., 1941, **117**: 202.—**Premedical** and medical students; opportunity for appointments as ensigns in class H–V(P) United States Naval Reserve. N. York State J. M., 1942, **42**: 371.—**Reserve** commissions for medical students. J. Am. M. Ass., 1942, **118**: 146.—**Ulio, J. A.** Commissions for medical students. Ibid., **119**: 352; 423.

—— Training program.

Army and Navy medical training program; official announcement on details of Army and Navy programs for training medical students. Diplomate, 1943, **15**: 217–9. Also Illinois M. J., 1943, **83**: 378–80. Also J. Am. M. Ass., 1943, **122**: 120.—**Army** specialized training program for medical and premedical students. Illinois M. J., 1943, **84**: 7. Also J. Am. M. Ass., 1943, **122**: 379.—**Boynton, R. E., & Diehl, H. S.** The prehabilitation of registrants; a university program to prepare students for military service. Ibid., 1941, **117**: 623–5.—**Clark-Kennedy, A. E.** Training of medical students for war service. Brit. M. J., 1940, **1**: 991.—**Dixon, J. M.** The Army Specialized Training Unit at the Medical College of Virginia. Virginia M. Month., 1944, **71**: 258–60.—**Hogan, B. W.** The Navy premedical program. J. Am. M. Ass., 1943, **122**: 1090. ——— The premedical and medical phases of the Navy V–12 Program. J. Ass. Am. M. Coll., 1944, **19**: 24–9.—**Jones, C. B.** Army and Navy to send 5,000 a year through medical school; enlisted men will receive up to 5 years of free medical education. Med. Econom., 1942–43, **20**: No. 7, 36; 102.—**Medical** students on Army pay. Virginia M. Month., 1943, **70**: 324.—**Navy** program for student training. Fed. Bull., Chic., 1943, **29**: 150.—**New** plans for medical education; specialized training programs of the Army and Navy. J. M. Ass. Alabama, 1942–43, **12**: 239.—**W., T. S.** Medical students and military training. Am. J. Surg., 1941, **52**: 1.

MEDICAL supply.

See also **Dental supply; Drug supply; Supply.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/7: Packordnung der Sanitätsausrüstung, Satz b; Vorrat Sanitäts-Gerät. 24p. 21cm. Berl., 1941.—

Spain. Ministerio de marina. Servicio de sanidad. Reglamento del instrumental quirúrgico y material sanitario para los buques y enfermerias de la Armada; aprobado por Real orden de 24 de abril de 1929, Diario oficial número 119, página 1145. 33p. 23cm. Madr., 1929.

United States Army. Medical Department. Procurement. p.85–233. 25½cm. Wash., 1928.

In: Med. Dep. U. S. Army in the World War.

United States. Medical Supply Services School. Medical Supply Services School text book. 4v. 29cm. S. Louis, 1943.

United States. War Department. Surgeon-General's Office. Medical Department procurement planning handbook. v. p. 27½cm. Wash., 1940.

Wolfe, E. P. Medical supplies and the supply service of the Medical department, United States Army. 4v. 27cm. Wash., 1920 [?]

Yates, R. E. The procurement and distribution of medical supplies in the zone of the interior during World War II. 254p. 27cm. Wash., 1946.

Activities connected with the overseas transportation of supplies; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 713–45.—**Belchenko, E. S.** [Supplying materials in rolls to the operating room in the regimental area] Khirurgia, Moskva, 1942, No. 8, 96.—**Bigot, A., & Auriol, R. F.** Le problème des médicaments en Indochine de 1940 à 1945. Produits pharm., 1947, **2**: 109–19.—**Bohn, G. A.** Medical supplies for France. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 1, 44–7.—**Camp** medical supply service; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 411–74.—**Cannon, A. R.** Medical requirements. Med. Bull. Europ. Command, 1949, **6**: No. 9, 35.—**Carro** sanitario de dos ruedas. Rev. san. mil., B. Air., 1937, **36**: 164.—**Cerbulescu, C.** Care ar fi cea mai bună organizare si inzestrare a unui depozit central sanitar modern, pentru a putea satisface nevoile armatei atât in timp de pace, ct săi in timp de războiu. Rev. san. mil., Bucur., 1936, **35**: 930–5.—**Clark, A. P.** Requirements. Mil. Surgeon, 1924, **55**: 353–68.—**Enloe, C. F.**, jr. Medical supplies; development, production and distribution. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 294–339, illust., tab.—**Hays, S. B.** The medics also have supply problems. Mil. Rev., Fort Leavenw., 1948–49, **28**: 60–2.—**Heun, E. E.** Suggested card-index system to replace the present bill book of the medical department. U. S. Nav. M. Bull., 1919, Suppl. No. 9, 68–72.—**Joint** Armed Forces medical supply system. Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense, 1949, Sect. A, 22p.—**Karth, B.** Vår läkemedelsförsörjning under avspärrning och krig. Sven. läk. tidn., 1939, **36**: 2062–70. Also in Handledn. & Försvarsmed., Stockh., 1940, **1**: 256–64.—**Keeser, E.** Ueber die Arzneimittellage in der britischen Zone. Aerztl. Wschr., 1946–47, **1**: 25.—**Krichevsky, J.** Intendantskoe obespečenie meroprijatij medicinskoj služby. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 947. ——— Manevr sredstvami medicinskoj služby. Ibid., **3**: 634–43.—**Levashev, V.** Letnaja odežda. Ibid., 480–4.—**McGill, D. P.**, jr. Medical supply in EUCOM. Med. Bull. Europ. Command, 1949, **6**: No. 9, 33.—**Maimind, S.** Nesovmestimost' lekarstvennykh sredstv. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 420. ——— Perechen' lekarstvennykh sredstv i rastenii. Ibid., 421–49.—**Markovsky, V.** Perevjazočnyj material. Ibid., **4**: 400–3. ——— Shelk khirurgičeskij. Ibid., **5**: 1017.—**Medical** supplies, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 747–852.—**Medical** supply. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 12, 1–74.—**Morgan, C. V.** Medical supply history. Med. Bull. Europ. Command, 1949, **6**: No. 9, 25–9.—**Naval** medical supply publications. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 12, 55–9.—**Papish, G. N.** [Storage and transportation of medical and sanitary supplies in winter] Voen. san. delo, 1943, 62–4.—**Poliakov, N. G.** [Provision at locus of medical supplies] Voen. med. J., Moskva, 1944, June, 42.—**Procurement** (The) of problem items. Bull. U. S. Army M. Dep., 1946, **6**: 555–64.—**Reznikov, S. M.** [Economic problems of the services of supply of evacuation hospitals] Hosp. delo, 1944, No. 6, 3–7.—**Ruge, O. G., & Schaffer, C. E.** Revision of the Supply Table of the Medical Department, 1918. U. S. Nav. M. Bull., 1918, Suppl. No. 7, 33–9, 4 pl.—**Shavcov, S. I.** [Conference of medical supply chiefs of the Red Army] Voen. san. delo, 1943, No. 2, 65. ——— Medicinskoe snabženie. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1011–6.—**Spezzaferri, A.** Recupero dei materiali di medicatura. Gior. med. mil., 1949, **96**: 49–55.—**Steinbrück.** Die Arznei- und Verbandmittelversorgung im Charité-Krankenhause während des Weltkrieges. Zschr. Krankenpfl., 1919, **41**: 102–11.—**Storing** and distributing agencies [in the Medical Department] In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 67–83.—**Supply** table of the medical department. U. S. Nav. M. Bull., 1918, Suppl. No. 7, 35.—**Sviontecky, I. O.** [Supplying first-aid detachments with sanitary materila] Voen. med. J., Petrogr., 1916, **245**: med.-spec. pt, 300–22.—**Termination** of accountability for supplies sent to the American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 743–5.—**Timankov, K. D.** [Problems of medical supply of the Red Army] Voen. med. J., Moskva, 1944, 80–2.—**Vorovich, M.** [Medical supplies] Voen. san. delo, 1942, No. 6, 59–63.—**Wartime** supply problems. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 12, 38–55.—**Washburn, F. A.** Role of civilian hospital in reinforcing the Medical Department of the Army in formation of an expeditionary force. Tr. Am. Hosp. Ass., 1940, **42**: 974–9.—**Wilson, W. L.** Past and future of medical department procurement. Army M. Bull., 1939, **48**: 83–90.

MEDICAL tactics.

See **Battlefield,** Medical tactics; **Tactics.**

MEDICAL technic.

See also **Medical laboratory,** Manuals and methods; **Surgical technic; Therapeutics;** also under specific headings.

Burt, R. L. A modification of the Redemann semi-micro-Kjeldahl steam distillation apparatus with a note on the determination of blood urea nitrogen. 4p. 26½cm. Bethesda, 1947.

Forms Rep. No. I, Res. Proj. NM 007 040, U. S. Nav. M. Res. Inst.

Cornil, M. L., Franck, M., & Vignes, M. H. Les médications systématiques en chirurgie de guerre; Bibliographie analytique des travaux récents. 35p. 8°. Par., 1917.

District of Columbia. U. S. A. Medical Society of the District of Columbia. Report of a special committee...upon the claims of homeopaths and other irregular practitioners for professional recognition in the medical service of the United States Government, and the charges brought by the homeopaths against the United States Commissioner of Army and Navy Pensions. 8p. 23cm. Wash., 1871.

Weaver, R. H., Tarver, E., & Fish, G. A semimicro method for the colorimetric determination of tissue lipids. 11p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. NM 007 030, U. S. Nav. M. Res. Inst.

Aleksandrov, N. Reakcia svjazyvanija komplementa. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1066.—**Constantinescu, G.** Microdozarea colorimetrică a argintului. Rev. san. mil., Bucur., 1936, **35**: 819.—**Gurevich-Iljin, G.** Medicinskaja tekhnika. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 979–98.—**Holman, E.** Working rules in the field; some general points of interest to corpsmen and military surgeons. Stanford M. Bull., 1944–45, **2**: 175–93. Also U. S. Nav. M. Bull., 1944, **42**: 275–83.—**Ionescu, A. M., & Ichim, C.** Dozarea alcaloisilor din opiu şi a derivaţilor lor prin metoda mercurimetrică. Rev. san. mil., Bucur., 1936, **35**: 889–93.—**Jablonsky, E.** Medicinskija učreždenija mirnago vremeni na boevom korable. Morsk. vrach. S. Peterb., 1913, 647–56.—**Koldovský, K.** Z vojenské lékařské praxe; význam včasné prohlídky po udávaném úrazu. Voj. zdrav. listy, 1949, **18**: 294–6.—**Levin, R. A.** [Depolymerization of formalin by the ammonia method] Voen. san. delo, 1943, No. 8, 48.—**Lorber, L.** Oldatok higítása; számítás nélkül. Honvédorvos, 1950, **2**: 362.—**Ranke.** Aerztliche Fragen der technischen Entwicklung; Festvortrag zum 143. Stiftungsfest der militärärztlichen Akademie. Veröff. Heer. San., 1939, H. 109, 5–16.—**Smith, H. W.** Medicine advances in battlefield technics. Hosp. Corps Q., 1944, **17**: No. 5, 25.—**Stevens, T. W., & Kimbrell, W. R.** Some practical suggestions for a field medical unit. Ibid., 1945, **18**: 63.—**Zyōdō, S., & Masaki, N.** Daeki ni yoru ketueki-kei kensa ni tuite; dai-ku-sidan sanpō dai-ku-daitai heiin no ketueki-kei [On the examination of blood groups by means of saliva; blood groups of the members of the Ninth Battalion of mountain artillery of the Ninth Division] Zyuzenkai zassi, 1935, **40**: 93–8.

—— diagnostic.

See also such terms as **Bacteriology,** Methods; **Blood grouping; Fecal matter,** Examination; **Hematology,** etc.

Matz, P. B. Standardization of clinical laboratory work in hospitals and regional offices: The blood. Rev. ed. 30 l. 27cm. Wash. [?] 1934.

Forms No. 15, Clin. Bull. Med. Hosp. Serv. Veterans Admin., U. S.

Alekseev-Berkman, I. Ispraźnenija (faeces) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1008–14.—**Barnett, R. N.** Evaluation of certain clinical laboratory procedures. Med. Bull. Veterans Admin., 1944–45, **21**: 219–22.—**Belikov, L.** Bakteriologičeskie issledovanija krovi, ispraźnenij, moči, spinnomozgovoj židkosti, slizi, mokroty i gnoja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1358–62.—**Brocq-Rousseu, D.** Formol gélification, Gaté ve Papacostas reaksiyonu (transl.) Askerî vet. mecmuasi, 1948, **26**: 38–47.—**Diagnostic** laboratory training. In: Malaria Control in War

Areas, Atlanta, 1945–46, 43–8.—**Filiński, W.** O białku w plwocinie i jego znaczeniu rozpoznawczem. Lek. wojsk., 1921, 2: 36–45.—**Geszti, O.** Fajsúlymérés kismennyiségû vizelettel. Honvédorvos, 1950, 2: 236.—**Lass, M.** Istorija bolezni. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1041–3.—**Lindemann, P.** Ueber den Wert der Leukocytenkurve in der Kriegs-Chirurgie. Beitr. klin. Chir., 1916, **101**: Kriegschir. Hefte 5: 608–36.—**Livshitz, N.** Subokcipitalnaja punkcija. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 350–2.—**Lorber, L.** Egyszerû vérvételi eljárás; macro-vérsejtsülyedési-vizsgálat venapunctió nélkül. Honvédorvos, 1950, 2: 236. ——— Oxyuris féregpete kimutatásának egyszerû módszere bélsárvizsgálat nélkül. Ibid., 238. ——— Egyszerû módszer a tej káros savmennyiségének meghatározására. Ibid., 362. ——— A coli bacillus kimutatásának gyors és egyszerû módszere vízben és vizeletben laboratóriumi berendezés nélkül. Ibid., 432.—**Muniz Barreto, L.** Técnicas de laboratório. Rev. med. mil., Rio, 1945, 34: 323–60.—**Muschel, L. H.** Laboratory procedures. Surgeon Circ. M. Sect. Far East Command, 1949, 4: No. 3, 18.—**Ranke & Seydel.** Stufenphotometrische Kohlenoxydbestimmung im Blutstropfen. Veröff. Heer. San., 1939, No. 108, 200–10.—**Vovsi, M., Egorov, P., & Makarenko, A.** Diagnoz. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 464–8.

MEDICAL technician.

See also **Feldsher.**

United States. Army. Medical Department Enlisted Technicians School. Laboratory technicians' mimeographed compend. 97p. 25½cm. Fort Sam Houston, 1942[?] Also Supplement. 7p. 25½cm. Fort Sam Houston, 1942[?]

——— Technician's manual. 3. ed. v. p. [354]p. 25½cm. Fort Sam Houston, 1943.

United States. Army Service Forces. Programs of instruction for Medical Department enlisted technicians. 217p. 28cm. Wash., 1945.

Ballard, E. L. Technicians' training at San Diego. Hosp. Corps Q., 1949, 22: No. 2, 13–5.—**Casad, D. E., Broderick, T. A., & Haver, H. T.** Method for instructing medical technicians. Bull. U. S. Army M. Dep., 1944, No. 80, 109–12.—**Holmes, P. W.** The enlisted assistant to the flight surgeon. Mil. Surgeon, 1942, 90: 675–8.—**Medical** department technicians. Bull. U. S. Army M. Dep., 1946, 6: 665.—**Moskowitz, S.** Safety for laboratory technicians. Med. Bull. U. S. First Army, 1948, 3: No. 11, 3–6.—**Natanson, A., & Sokolov, M.** Kontrol medicinskij. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 9–14.—**Phillips, M. W., & Paschal, J. D.** Technicians' training school. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, 1: No. 2, 46–8.—**Safety** for laboratory technicians. Med. Bull. U. S. First Army, 1948, 3: No. 12, 31–6.—**Suggested** program for the training of Army corps men as medical technicians. Hospitals, 1942, 16: No. 10, 52.—**Taylor, J. M.** Give the military surgeon skilled and adequate assistance; he cannot do it all. N. York M. J., 1917, **106**: 125.

MEDICAL troops.

See also **Aid station; Medical soldier;** also **Company,** medical; **Medical battalion; Unit.**

Sanitätstruppen (Die) 98p. 23cm. Zür., 1942.

United States. Department of the Army. War Department Document No. 662: Drill regulations and service manual for sanitary troops, United States Army; 1917. 287p. 15½ cm. Wash., 1917.

Florelius, S. Sanitetsoppsetningene ved de norske "politi-tropper" s feltavdelinger i Sverige. Norsk tskr. mil. med., 1948, 33; passim.—**Leman, H.** L'organisation et l'instruction des troupes du Service de santé. Arch. méd. belges, 1936, **89**: Bull. internat., 795–809. Also Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 27–48.—**Lüdy, F.** Ueber die Verwendung von markierten Verwundeten bei Feldübungen der Sanitäts-kompagnie. Vjschr. schweiz. Sanitätsoff., 1930, 7: 39–42.—**Novakovitch, D.** [Program for teaching of recruits in sanitary divisions] Voj. san. glasnik., 1930, 1: 250–9.—**Sims, L. C.** The first-aid man. U. S. Nav. M. Bull., 1918, Suppl. No. 7, 74.—**Tenchio, F.** Un esercizio sanitario. In: Sanitätstruppen, Zür., 1942, 90–3, illust.—**Wickert, H. T.** Notes on combined training for medical department troops. Army M. Bull., 1937, No. 38, 59–65.

MEDICINE.

See **Drug; Therapeutics.** For war medicine see **Military medicine.**

MEDITERRANEAN Theater.

See under **World War II.**

MELANOSIS.

See also **Dermatosis.**

Civatte, A. Les mélanoses de guerre il y a 25 ans et aujourd'hui. Actual. derm. vénér., 1944, 7–16.—**Degos, R.** Les mélanoses de guerre; mélanose de Riehl. Médecine, Par., 1943, 24: No. 5, 11–4.—**Dörffel, J., & Froehlich, J.** Ueber die Kriegs-melanosen. Arch. Derm. Syph., Berl., 1943–44, 185: 203–21.

MENINGES.

See also subsequent headings.

Borasi, G. Un caso di tromboflebite del seno laterale. Gior. med. mil., 1948, 95: 498–500.—**Dicenta Seguí, J.** Un caso de tromboflebitis del seno lateral. Med. & circ. guerra, 1946, 8: No. 17, 71–5.—**Minard, D., & Howell, S. R.** The use of fluorescein in studies of the pial circulation in monkeys with a new type of lucite calvarium. Sympos. Mil. Physiol., Wash., 1947, 215.

MENINGIC space.

Bernardini, G. Le affezioni dello spazio epidurale spinale. Ann. med. nav., Roma, 1946, 51: 267–98, 2 pl. ——— [The same] ... Lesioni infiammatorie. Ibid., 1947, 52: 5–34.—**Levin, M. J.** Lumbar puncture headaches. Bull. U. S. Army M. Dep., 1944, No. 82, 107–10.—**Linares Maza, A.** La punción cisternal ambulatoria. Med. & cir. guerra, 1946, 8: No. 17, 45–53.—**Method** for preventing contamination of spinal fluid. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 19, 22.—**Sousa Medina, D. de.** Punção sub-occipital. Arq. brasil. med. nav., 1941, 2: 431–7.—**Veiga de Barros, A. J.** Liquor em neuro-psiquiatria; técnica da punção suboccipital e raquiana. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 227–50, 5 pl., ch.—**Warren, W. R.** The sequelae of lumbar puncture. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, 5: No. 4. 19–24.

——— Hemorrhage.

Barship, M. M. Spontaneous subarachnoid hemorrhage. Med. Bull. Veterans Admin., 1939–40, 16: 295–8.—**Benkwith, K. B.** Early ophthalmic findings in a case of spontaneous subarachnoid hemorrhage of brain. U. S. Nav. M. Bull., 1944, 43: 535–7.—**Cleave, T. L.** A case of subarachnoid haemorrhage. J. R. Nav. M. Serv., 1938, 24: 340.—**Danson, J. G.** On spontaneous subarachnoid haemorrhage. Ibid., 280–96, pl.—**Doleman, F. T.** Delayed traumatic subarachnoid haemorrhage. Ibid., 1941, 27: 309.—**Holmes, J. G.** A case of subarachnoid haemorrhage. Ibid., 1938, 24: 341.—**Morrison, R. J. G.** An unusual case of subarachnoid haemorrhage. J. R. Army M. Corps, 1939, 72: 398–401.—**Nesbitt, R. W.** Two cases of subarachnoid haemorrhage. J. R. Nav. M. Serv., 1938, 24: 338–40.—**Rash, J. O. W., & Goldys, F. M.** Spontaneous subarachnoid hemorrhage occurring in a pilot during flight. J. Aviat. M., 1945, 16: 91–5.

MENINGITIS.

Bailey, C. A. An epidemic of eosinophilic meningitis, a previously undescribed disease, occurring on Ponape, Eastern Carolines. 32p. 26½cm. Bethesda, 1948.

Forms Rep. No. 7, Res. Proj. NM 005 007, U. S. Nav. M. Res. Inst.

Also Summaries Rcs. U. S. Nav. M. Res. Inst., 1948, July, 5.

Acute lymphocytic chorio-meningitis. Bull. Army M. Dir., Lond., 1942, No. 9, 4. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 47.—**Alcarez-Pérez, R.** Insuficiencia de penicilina en el tratamiento de una meningitis otógena. Med. & cir. guerra, 1946, 8: No. 23, 19–25.—**Cadež, G.** Slučaj otogenog meningitisa kompliciran upalom vrška piramide. Voj. san. pregl., Beogr., 1948, 5: 165–7.—**Cornell, V. H., & Jones, H. W.** A case of meningitis. Bull. U. S. Army M. Dep., 1948, 8: 73.—**Evans, E. F.** Pachymeningitis hemorrhagica interna; with case report. U. S. Nav. M. Bull., 1940, 38: 476–80.—**Findlay, G. M., Stuart-Harris, C. H., & McCallum, F. O.** Lymphocytic choriomeningitis with report of a case. J. R. Army M. Corps, 1940, 75: 8–15.—**Hébraud, A., & Nicol, J. Y.** Méningite post-traumatique à pneumocoques; valeur prophylactique des sulfamides; valeur thérapeutique et prophylactique de la pénicilline. Rev. méd. nav., Par., 1947, 2: 253–7.—**Isii, S.** Syōnō enzui-sō sensi oyobi yōzui sensi heiyō ni yoru zi-sei kyū-sei kanō-sei sekizui-makuen kan no nōsekizui tisyu-maku kakō-nai sendeki hō wo okeru byōrei narabi-ni gai no ri ni kan-suru kōsatu [A case of irrigation of the cerebrospinal subarachnoid space by means of a combination of suboccipital and lumbar puncture during otogenic acute suppurative spinal meningitis, and observations on the reasons for it] Gun idan zassi, 1927, 633–50.—**Kibbe, F. W.** F. U. O. with syndrome of reactive lymphocytic meningitis. Field M. Bull. (Burma) 1945, 4: 313–5.—**Lagna, D.** Su due casi di meningite purulenta

otogena asettica. Gior. med. mil., 1940, **88**: 859–63.—**Landsiedl, A.** Auffällige Erscheinungsform gehäuft auftretender, gutartiger Meningitis. Deut. Militärarzt, 1943, **8**: 176–8.—**Mauvais & Lucquin.** Méningite à staphylocoque doré; pénicillothérapie; guérison. Bull. Soc. méd. mil. fr., 1948, **42**: 42.—**Neill, C. L., & Blechman, H. E.** Aerobacter aerogenes meningitis. Bull. U. S. Army M. Dep., 1947, 7: 722–6.—**Ratti, R. A.** Meningitis aguda. Rev. san. mil. argent., 1947, **46**: 219–32.—**Raymond & Hilbert.** Méningite aseptique consécutive à la réalisation d'une permanente à chaud. Bull. Soc. méd. mil. fr., 1948, **42**: 179–82.—**Sarlin & Villeneuve.** Méningite à streptocoques consécutive à une fracture de la base du crâne; pénicilline; guérison. Ibid., 1947, **41**: 41–3.—**Webster, J. E., & Gurdjiar, E. S.** The surgical management of intracranial suppuration; methods in diagnosis and management, and a report of 23 cases of civilian and 33 cases of military abscess. Surg. Gyn. Obst., 1950, **90**: Suppl., 209–35, illust.—**Yada, S.** Nô-nai ryûdan syûi no sosiki-teki syoken narabi ni nômakuen no hassei ni tuite [Histological impressions (opinions) about the region around a piece of shell (?bullet?) in the brain, and the development of meningitis] Gun idan zassi, 1924, 231–45, 4 pl.

MENINGOCOCCOSIS.]

Phair, J. J. Meningococcal meningitis. 51p. MS. [After 1943]

MS. in Histor. Div. SGO U. S Army.

United States. Army Epidemiological Board. Commission on Meningococcal Meningitis. Annual report. 1943/44–1946. 3v. 28cm. Wash., 1944–46.

Title varies: 1943/44 as Report of field and interim investigations; Meningococcal Meningitis Commission.

Bauchesne, R., Feillard, R., & Navaranne, P. Méningococcémie fulminans avec collapsus cardio-vasculaire aigu (syndrôme de Waterhouse-Frédérichsen) au cours d'une néphrite aiguë scarlatineuse. Rev. méd. nav., Par., 1947, **2**: 247–51.—**Bauer, F. K., & Watkins, J. H.** Epidemic meningitis. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 62.—**Cornell, V. H., Furst, J. N.** [et al.] [Meningococcemia, acute, severe] Bull. U. S. Army M. Dep., 1948, **8**: 822–6.—**Crowell, D. L., & Stowens, D.** Failure of penicillin in meningococcemia. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 3, 15–7.—**Gordon, J. E.** Meningococcus meningitis. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 4, 10–2.—**Humphrey, J. C., & Davis, H. G.,** jr. Meningococcal meningoencephalitis; report of a case. U. S. Nav. M. Bull., 1948, **48**: 613–6.—**Mackay-Dick, J.** A case of meningococcal septicaemia. J. R. Army M. Corps, 1948, **91**: 87–90.—**Mauvais.** A propos du traitement des affections à méningocoques. Bull. Soc. méd. mil. fr., 1946, **40**: 127–9.—**Menárguez Carretero, L.** Consideraciones sobre una epidemia de meningitis meningocócica. Med. & cir. guerra, 1947, **9**: 321–7.—**Meyer, F. W., jr.** Epidemic cerebrospinal meningitis, Waterhouse-Friederichsen's syndrome; report of two successfully treated cases and one fatal case. U. S. Nav. M. Bull., 1948, **48**: 907–11.—**Murayama, Y.** Ryûkô-sei nôsekizuimakuen ni okeru situbyô keika to nôsekizui-eki gantôryô to no syôtyô [Fluctuations in the progress of epidemic cerebrospinal meningitis and in the amount of sugar contained in the cerebrospinal fluid] Gun idan zassi, 1930, 529–33.—**Priest, R.** Meningococcal infections in the army, 1939–1945, with 30 selected illustrative cases. J. R. Army M. Corps, 1947, **89**: 1–28.—**Steiner, M.** Cerebrospinal fever complicated by extensive thrombotic gangrene of the skin and subcutaneous tissues, with recovery. U. S. Nav. M. Bull., 1947, **47**: 523–8.—**Vogel, S. A., & Campbell, J. A.** Waterhouse-Friederichsen syndrome. Med. Bull. U. S. Chief Surgeon Europ. Theatre, 1944, No. 26, 10–4.

MENINGOPNEUMONITIS virus.

See **Bacteriological warfare,** Weapons.

MENISCUS.

See under **Knee.**

MENTAL deficiency.

See also **Disability,** mental; **Recruit,** Mental defective.

Alexander, L. Documents concerning killing of children at the Heil- und Pflegeanstalt, Eglfing-Haar. CIOS Rep., Lond., 1945, Item 24, No. XXVIII–50, 16–21.—**Altus, W. D.** Adjustment and subtest variation on the Army Wechsler for the mentally limited. J. Gen. Psychol., 1949, **40**: 167–76.—**Eager, R.** A record of admissions to the mental section of the Lord Derby War Hospital, Warrington, from June 17, 1916, to June 16, 1917. J. Ment. Sc., Lond., 1918, **64**: 272–96.—**Geeraerts.** Le problème de la débilité mentale. Arch. Serv. san. Armée belge, 1947, **100**: 261.—**Paddle, K. C. L.** Botleys Park Mental Deficiency Colony, Chertsey, Surrey, England, during the war, 1939–1945. Am. J. Ment. Defic., 1946–47, 51: 306–13.—**Turgel, I.** Report on an evacuation hostel in Yorkshire. Ment. Health, Lond., 1946, **6**: 36–8.

MENTAL hygiene.

See also **Fatigue,** Mental; **Psychiatry; Psychology;** also mental aspects of **Anoxia; Flying,** Mental effect; also **Neuropsychiatric casualty.**

United States. Veterans Administration. Technical bulletin TB 10A–101: Instructions for preparation of Monthly Report of Mental Hygiene Activities. 12p. 27cm. Wash., 1947. Also Change 1. 1p. 1948. Also Change 2. [1]p. 1948.

Adler, M. H., & Burchard, E. M. L. A survey of the first three months of operation of a Veterans Administration Mental-hygiene clinic. N. England J. M., 1947, **236**: 654–8.—**Boss, M.** Psychohygiene in vorderer Linie; Aufgaben der psychiatrischen Untersuchungsstellen der selbständigen Heerescinheiten. Schweiz. med. Wschr., 1941, **71**: 707–11.—**Brunner, T.** La santé psychique de l'armée suisse. Med. & hyg., Genève, 1947, **5**: 188.—**Delys, L.** L'hygiène mentale à l'Armée. Bruxelles méd., 1948, **28**: 168; 217.—**Des Cilleuls, J.** Au sujet de l'entr'aide intellectuelle dans les formations sanitaires, camps et foyers du soldat. Bull. Soc. méd. mil. fr., 1945, **39**: 209–11.—**Edelstein, A.** Psikhohigiena. In: Encikl. slovar vocn. med., Moskva, 1946–48, **4**: 960–2.—**Freedman, H. L.** The unique structure and function of the mental-hygiene unit in the Army. Ment. Hyg., Alb., 1943, **27**: 608–53. ——— Mental-hygiene first aid for precombat casualties. Ibid., 1944, **28**: 186–213.—**Futterman, S., Kirkner, F. J., & Meyer, M. M.** First year analysis of veterans treated in a mental hygiene clinic of the Veterans Administration. Am. J. Psychiat., 1947–48, **104**: 298–305.—**Luxenburger, H.** Seelische Wehrhygiene, insbesondere bei der Luftwaffe. In: Wehrhygiene (Handloser, S.) Berl., 1944, 530–2.—**Nelken, J.** Hygiena psychiczna w wojsku. Rocz. psychiat., 1934, **22**: 77–157.—**Riggenbach, O.** Problèmes psychiatriques et d'hygiène mentale dans l'armée. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., **1**: 227–39.—**Soukup, F.** Světová válka a duševní poruchy. Cas. lék. česk., 1945, **84**: 1397–9.—**Sullivan, D. J.** Mental attitudes and the war. Bull. Buncombe Co. M. Soc., 1942, **6**: No. 10, 5–10.—**White, A. E.** Mental hygiene of the patient. Hosp. Corps Q., 1947, **20**: No. 2, 14–6.

MENTAL test.

See also **Neuropsychiatric examination,** Mental test.

Thorndike, R. L. Research problems and techniques. 163p. 23½cm. Wash., 1947.

Forms v. 3, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Army general classification test. In: Ment. Measurem. Yearb., N. Brunsw., 1949, **3**: 299.—**Camino, J.** Manual práctico de exploracion y examen de las facultades mentales. Rev. san. mil., Madr., 1923, 3. ser., **13**: 570; passim.—**Duncan, A. J.** Some comments on the Army general classification test. J. Appl. Psychol., 1947, **31**: 143–9.—**Standardization** of a code substitution test and a test of computation speed. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July-Dec., 19.—**Williams, V. B.** Soma and psyche. Med. Bull. Veterans Admin., 1935–36, **12**: 271–4.

MENU.

See **Ration; Ration supply.**

MERCAPTOPROPANOL.

See also **Gas poisoning,** Treatment.

Banfield, W. G., jr. Therapeutic efficiency of BAL ointment after storage. 9p. 26cm. Army Chem. Center, 1949.

Forms Rep. No. 203, Med. Div. Chem. Corps U. S. Army.

Laughlin, R. C. The incapacity caused by BAL ointment in the human eye and its effect on adequate irrigation. 8 l. 22cm. Edgewood Arsenal, 1944.

Forms Rep. No. 11, Med. Div. Chem. Warf. Serv. U. S. Army.

United States. Veterans Administration. Technical bulletin TB 10–9: The treatment of poisoning by arsenicals and mercury with BAL. 4p. 27cm. Wash., 1946.

MERCURY poisoning.

See also **Mercaptopropanol; Poisoning.**

Hendin, A. BAL in the treatment of mercury poisoning. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: No. 2, 23.—**Jeffers, C. P., Rosati, G. J., & Jackson, F. A.** Potential mercury vapor hazard in a gyro laboratory. U. S. Nav. M.

Bull., 1948, 48: 139–46.—**Satō, K., & Nakano, I.** Biryō suigin no sin-teiryō hō ni tuite [New quantitative methods of (detecting the presence of) minute quantities of mercury] Gun idan zassi, 1928, No. 183, 1085–102.

MESENTERY.

See also **Injury**—by organs and regions: Abdomen; **Intestine, Injury.**

Horning, E. D., & Gilje, L. E. Angiomatous tumors of the mesentery; report of three cases. U. S. Nav. M. Bull., 1949, 49: 884–9, illust.—**Quadros, M. de.** Linfadenitis mesentérica y diagnóstico diferencial; nota clínica quirúrgica. Med. & cir. guerra, 1949, 11: 279–81.—**Rives, J. D.** Mesenteric vascular occlusion. Mil. Surgeon, 1948, 103: 348–54.

MESOPOTAMIA.

See under **Hospital report; World War I.**

MESS.

McCay, C. M., Sullivan, J. H., & Haugen, G. E. A nutrition survey of the Army messes at Fort Belvoir, Virginia, 6–12 November, 1945. 10p. 26½cm. Bethesda, 1946.

Forms Rep. No. 12, Res. Proj. X–184, U. S. Nav. M. Res. Inst.

Babcock, M. J. Outline for mess inspection. Field M. Bull. U. S. Army, N. Delhi, 1943, 2: 23–5.—**Branion, H. D., & Cameron, C. R.** Ascorbic acid content of food served in a Royal Canadian Air Force mess. J. Am. Diet. Ass., 1948, 24: 417–9.—**Fenno, A. M.** Army and Navy meal service at Harvard. Ibid., 1944, 20: 144–6.—**Howe, P. E., & Berryman, G. H.** Outline for mess inspection. Army M. Bull., 1942, No. 63, 151–63.—**Petrovsky, K.** Stolovaja. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 322.—**Van Auken, H. A.** Army messes. In: Prev. Med. in World War II, Wash., 1948, 4: pt 2, 77–82.—**Wachholder, K.** Die 4. Feldkostzusammenstellung bzw. 4. Speisenzusammenstellung für die im Heimatkriegsgebiet untergebrachten Einheiten des Ersatzheeres in bezug auf Nähr-, Sättigungs-, Geschmacks- und Genusswert. In: Wehrmachtverpflegung, Dresd., 1942, 1: 218–32.

—— Sanitation.

See also **Kitchen.**

Gordon, J. E. Mess sanitation. In: Prev. Med. in World War II, Wash., 1948, 2: pt 9, 21–4.—**Hattersley, S. M.** Filling for the joints of tables. J. R. Army M. Corps, 1927, 48: 378.—**Hints** on mess sanitation. Med. Bull. U. S. First Army, 1949, 4: No. 10, 17–22.—**Mess** sanitation. Ibid., No. 6, 10–8.—**Sanitation** of the mess. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 9, No. 6, 1.—**Sutton, C. F.** Mess sanitation. Med. Bull. Medit. Theater U. S., 1945, 3: 138–41.

METABOLISM.

See also such terms as **Altitude,** Metabolic effect; **Anoxia; Carbon monoxide; Flying; Medical examination,** laboratory, etc.; also **Nutrition.**

D'Angelo, S. A. Metabolic studies at moderately low altitudes. 12 l. 27cm. Dayton, 1945.

Forms No. TSEAL3–696–75D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Newburgh, L. H., & Freeman, B. L., jr. Energy metabolism. 21 l. 27cm. Wash., 1949 [?]

Forms No. 2, Exh. H, Annual Rep. U. S. Army M. Dep. Res. & Grad. Sch., 1948.

Spoor, H. J., & Davis, G. C. Application of the infra-red gas analyzer to the study of human energy metabolism. 25 l. 29cm. Fort Knox, 1947.

Forms Proj. No. 57–4, U. S. Army M. Dep. Field Res. Laborat.

Weiss, R. A. Variability in the energy cost of selected exercises. 9p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 374, U. S. Air Force School Aviat. M.

Beadle, G. W., & Mitchell, H. K. Effect of temperatures on the mechanism of amino acid, vitamin and nucleic acid metabolism. Project Abstr. Com. Food Res. Quartermast. Gen., 1946, NU–32, 1.—**Clinical** investigation of nutritional and metabolic problems in health and disease. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 73–6.—**Development** of portable apparatus for study of human energy metabolism. Ibid., 1947, July, 105.—**Effects** of hypothermia on vitamin A and fat metabolism in the rat. Ibid., 100.—**Fuks, Z.** Metabolički inhibitori u terapiji. Voj. san. pregl., Beogr., 1949, 6: 36–42.—**Newburgh, L. H., & Freeman, B. L.,** jr. Energy metabolism. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, 1: No. 8, 1–21.—**Ramzin, S.** Prilog proučavanju energetike kod vojnika. Voj. san. pregl., Beogr., 1948, 5: 131–44.—**Spoor, H. J., & Davis, G. C.** Application of the infra-red gas analyzer to the study of human energy metabolism. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 9, 1–25, illust.—**Swanson, P. P.** Utilization of nitrogen at graded levels of caloric intake. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–8, 1–3.—**Tavares Mutel, I.** Valores clinicos da glutationimetria. Rev. med. mil., Rio, 1941, 30: 323–30. —— O glutátion em medicina. Ibid., 1942, 31: 4–16.—**West, E. S., Highet, D., & Beetem, K.** Effect of SO_2 ingestion upon the carbohydrate and vitamin metabolism in humans and rats. Project Rep. Com. Food Res. Quartermast. Gen., 1945–46, NU–6, Rep. 1, 1.

METEOROLOGY.

See also **Aviation,** Meteorological aspect; **Intelligence; Terrain.**

Astafjev, A. Meteorologićeskie pribory. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1034–9.—**Behnke, A. R.** The military environment primarily in relation to changes in barometric pressure as applied to clinical medicine. North Carolina M. J., 1943, 4: 77; 117.—**Gerhardt, J. R.** Modern meteorology. Research Rev. (U. S. Navy) 1949, June, 13–6.—**Rozanov, P.** Meteorologia. In: Encikl. slovar voen. med. Moskva, 1946–48, 3: 1031–4.

METHANOL.

Gajewski, J. E., & Alsdorf, W. R., jr. A photoelectric determination of methanol in biological material. 7p. 26½cm. Bethesda, 1948.

Forms Rep. No. 7, Res. Proj. NM 007 031, U. S. Nav. M. Res. Inst.

Shea, T. E., jr, Hine, C. H. [et al.] Respiratory excretion of methyl alcohol by white rats. 8p. 26½cm. Bethesda, 1947.

Forms Rep. No. 4, Res. Proj. NM 007 031, U. S. Nav. M. Res. Inst.

—— A colorimetric method for the determination of methyl alcohol in blood, tissue and the expired air. 21p. 27cm. Bethesda, 1948.

Forms Rep. No. 1, Proj. NM 007 031, U. S. Nav. M. Res. Inst.

Huzita, T. Gōsei methanol ni kan-suru zikken-teki kenkyū [Experimental studies in synthetic methanol] Gun idan zassi, 1930, No. 203, 515–28.—**Photoelectric** (A) determination of methanol in biological material. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 12.—**Western, O. C., & Ozburn, E. E.** Methanol and formaldehyde in normal body tissues and fluids. U. S. Nav. M. Bull., 1949, 49: 574.

—— Poisoning.

Blakemore, W. S., Hine, C. H., & Shea, T. E., jr. The effect of peritoneal irrigation on experimental methyl alcohol toxicity. 6p. 26½cm. Bethesda, 1947.

Forms Rep. No. 3, Res. Proj. NM 007 031, U. S. Nav. M. Res. Inst.

Gajewski, J. E., Richardson, V. A., & Alsdorf, W. R., jr. The effect of intestinal irrigation on blood methanol. 4p. 26½cm. Bethesda, 1948.

Forms Rep. No. 5, Res. Proj. NM 007 031, U. S. Nav. M. Res. Inst.

—— The effects of various substances on the acute toxicity and blood level of methanol. 8p. 26½cm. Bethesda, 1948.

Forms Rep. No. 6, Res. Proj. NM 007 031, U. S. Nav. M. Res. Inst.

Hine, C. H., Blakemore, W. S. [et al.] Studies on the acute and chronic toxicity of methyl alcohol for the white rat. 7p. 26½cm. Bethesda, 1947.

Forms Rep. No. 2, Res. Proj. NM 007 031, U. S. Nav. M. Res. Inst.

Agapitova, A. S. Kliniceskie nabljudenija nad intoksikacijami metilovym spirtom. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 175–8.—**Altshuler, S. S.** Methyl alcohol poisoning. Med. Bull. Off.

Chief Surgeon Europ. Command, 1948, 5: No. 5, 1.—**Effect** (The) of intestinal irrigation on blood methanol. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 12.—**Effects** (The) of various substances on the acute toxicity and blood level of methanol. Ibid., 12.—**Gordon, J. E.** Poison liquor. In: Prev. Med. in World War II, Wash., 1948, 2: pt 10, 11. ——— Incidence of poisoning from liquor. Ibid., 14.—**Methyl** alcohol poisoning. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, 2: No. 4, 41–4.

METHOXYCHLOR.

See under **Insecticide,** Preparations.

METHYL compounds.

Amouroux, P. L'intoxication par les extincteurs d'incendie au gaz ardexine. Rev. méd. nav., Par., 1948, 3: 133–48.—**Cancelmo, J. J.,** jr. Methyl salicylate poisoning; a report of two cases and review of the literature. U. S. Nav. M. Bull., 1947, 47: 1077–85.—**Crispel.** Deux observations d'intoxication aiguë par le bromure de méthyle. Bull. Soc. méd. mil. fr., 1949, 43: 52.—**Isihuku, K.** Methylenchlorid (Solästhin) no sisei [Experimental manufacture of methylene chloride] (for use as an anesthetic) Gun idan zassi, 1928, No. 185, 1407–10.—**Jacin, V.** Odredivanje slobodnog hlora sa metiloranžem. Voj. san. pregl., Beogr., 1949, 6: 366–8.—**Nagata, S., & Kiyosawa, K.** Seisyoku pyoktanin no hihu-sikkan koto-ni hakusen-kinbyō ni tai-suru kōka ni tuite [The value of methyl violet in treating skin diseases, especially those diseases caused by the favus fungi] Gun idan zassi, 1928, No. 176, 143–80.

METHYLENE blue.

Eakin, R. E., Snyder, R., & Strane, J. C. Methods for the determination of methylene blue in biological fluids and tissues. 8p. 27cm. Bethesda, 1946.

Forms Rep. No. 2, Res. Proj. X-497, U. S. Nav. M. Res. Inst.

Pfeiffer, C. C., Gersch, I. [et al.] A pharmacological study of methylthionine chloride (methylene blue) and toluidine blue. 27p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X-497, U. S. Nav. M. Res. Inst.

Methods for the determination of methylene blue in biological fluids and tissues. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 21.—**Pharmacological** (A) study of methylthionine chloride (methylene blue) and toluidine blue. Ibid., 1945, July–Dec., 30.

METZ (16. century)

See under **Wars and campaigns.**

MEUSE-ARGONNE campaign.

See under **World War I,** Argonne-Meuse.

MEXICO.

For references to this country see the following headings in Military Section: **Army; Hospital report; Medical Corps; Medical examination; Medical officer; Medical organization; Medical service; Morbidity; Neuropsychiatric examination; Nutrition service; Pharmacy; Ration; Recruiting; Sanitation; Surgical organization; Tuberculosis; Venereal disease; Wars and campaigns; World War II.**

MICROBIOLOGY.

See also **Bacteriology; Mycology.**

Clayson, D. H. F., & Ledingham, G. A. Developments in pure and applied microbiology in Germany (American, British & French zones) during World War II. 52p. 24½cm. Lond., 1945.

Forms No. 236, Item No. 22, BIOS Final Rep., Lond.

Mitchell, R. B., Stumm, P. W., [et al.] Studies on microorganisms of the upper atmosphere; the development of a soluble collection filter for microorganisms present in the air. 5p. 26½cm. Randolph Field, 1949.

Forms Rep. No. 2, Proj. No. 21-02-118, U. S. Air Force School Aviat. M.

MIDDLE Asia.

See under **World War II.**

MIDDLE ear.

See **Ear; Mastoid; Otology.**

MIDDLE East.

See under **World War II.**

MIDDLE Pacific.

See under **World War II.**

MILI Island.

See under **World War II.**

MILITARISM.

See also **War,** and related headings.

Clausewitz, K. v. On war. Rev. ed. 3v. 8° Lond., 1918.

Crile, G. W. A mechanistic view of war and peace. 104p. 8° N. Y., 1916.

Glover, E. War, sadism & pacifism. 148p. 19cm. Lond., 1935.

Hertzler, A. E. The grounds of an old surgeon's faith; a scientific inquiry into the causes of war. 606p. 21cm. Halstead, 1944.

International Institute of Intellectual Cooperation. L'esprit, l'étique et la guerre. 149p. 23cm. Par., 1934.

Forms No. 3, Internat. Ser. Open Lett.

Bok, C. A commencement address. Am. J. Pharm. Educ., 1943, 7: 285–92.—**DeVoto, B.** Give it to us straight! Harpers Mag., 1942, 333–6.—**Hall, G. S.** Across two generations. Pedag. Semin., Worcester, 1923, 30: 330–41.—**Hall, J. K.** Man and war. South. M. & S., 1942, 104: 212.—**Howe, Q.** Twelve things tbe war will do to America. Harpers Mag., 1942, Nov., 575–80.—**Majocchi, A.** Chiacchiere sulla guerra. In his Veglie in Casa di cura, Roma, 1946, 171–95.—**Marshall, S. L. A.** On future war. In his Men against Fire, N. Y., 1947, 27–35.—**Montagu, M. F. A.** The nature of war and the myth of nature. Sc. Month., 1942, 54: 342–53.—**Murray, W. E.** Mind and war. Nova Scotia M. Bull., 1940, 19: 253–6.—**Robles Pérez, E.** El hombre, sujeto bélico. Rev. estud. mil., Madr., 1933, 4: 325–34, 2 diag.—**Salomon, A.** The spirit of the soldier and Nazi militarism. Social Res., 1942, 9: 82–103.—**Stamler, J. H.** The fight to survive. N. Jersey J. Pharm., 1941, 14: No. 10, 2–4.—**Stapler, E. H., & De Garis, M. C.** The crisis of our age. Med. J. Australia, 1942, 2: 491.—**Traube, L.** Der Militarismus und seine moralische Wirkung auf das Volk. Ethische Kultur, 1893, 1: 150.—**War** mentality; an address to statesmen. Lancet, Lond., 1935, 2: 907.—**West, R.** War; its origin in the minds of men. Ibid., 1950, 1: 414; 457.—**Wright, Q.** The meaning of war. In his Study of War, Chic., 1942, 2: 685–700.

—— Age aspect.

Dudycha, G. J. The attitude of college students toward war. J. Social Psychol., 1942, 15: 75–89.—**Hirschman, R.** The effect of school and other selected social factors upon the attitude of high-school students toward war. Abstr. Diss. Stanford Univ., 1938, 13: 33–8.—**Jones, V.** The nature of changes in attitudes of college students toward war over an eleven-year period. J. Educ. Psychol., 1942, 33: 481–94.—**Miller, D. C.** Effect of the war declaration on the national morale of American college students. Am. Sociol. Rev., 1942, 7: 631–44.—**Sherman, M.** The attitudes of youths of high school age toward the war. Psychol. Bull., 1945, 40: 294–9.

—— Aggressiveness.

Durbin, E. F. M., & Bowlby, J. Personal aggressiveness and war. 154p. 22½cm. N. Y., 1939.

Alexander, F. Aggressiveness; individual and collective. In: March of Med. (N. York Acad. M.) N. Y., 1943, 83–99.—**Brown, J. F.** The theory of the aggressive urges and war-time behavior. J. Social Psychol., 1942, 15: 355–80.—**Clark, R. A.** Aggressiveness and military training. Am. J. Sociol., 1945–46, 51: 423–32.—**Eagleton, C.** Aggression and war. In: Prelim. Rep. Com. Organiz. Peace, 1942, 1: 29–33.—**Klineberg, O.** Aggressiveness. In his Social Psychol., N. Y., 1940, 78–89.—**Mackwood, J. C.** What is aggression? S. Barth. Hosp. J. War Bull., Lond., 1941–42, 3: 157–9.—**Marshall, S. L. A.**

The aggressive will. In his Men against Fire, N. Y., 1947, 157–78.—**Minder, R.** Mythes et complexes aggressifs dans l'Allemagne moderne. Psyché, Par., 1948, **3**: 783–94.—**Parsons, T.** Certain primary sources and patterns of aggression in the social structure of the Western world. Psychiatry, Balt., 1947, **10**: 167–81. Also in Study of Interpers. Relat. (Mullahy, P.) N. Y., 1949, 269–96.—**Psychoanalysts** to diagnose world's destructive urge. Science News Lett., 1941, **40**: 109.—**Richard, G.** L'enfant et la guerre; que faire de l'instinct d'agression? Gesundheit, Zür., 1946, **26**: 577–90.—**Schilder, P.** Aggression and power. In his Goals & Desires, N. Y., 1942, 49–54.—**Stagner, R.** Studies of aggressive social attitudes; changes from peace to war; the role of personal and family scores. J. Social Psychol., 1944, **20**: 121–40.—**Winter, E. K.** Hearnshaw, F. J. C.: Germany the aggressor throughout the ages, London, 1940 [Bk Rev.] Social Res., 1942, **9**: 151–3.—**Wright, Q.** Fluctuations in the hostility and friendliness of states. In his Study of War, Chic., 1942, **2**: 1472–81.—**Zilboorg, G.** Paternalistic aggression and individual freedom in the present crisis. Am. J. Orthopsychiat., 1941, **11**: 638–42.

—— Anthropology.

La Flesche, F. War ceremony and peace of the Osage Indians. 280p. 8° Wash., 1939.
Forms Bull. 101, Smithson. Inst. Bur. Am. Ethnol.

Opler, M. E. Dirty boy: a Jicarilla tale of raid and war. 80p. 24½cm. Menasha, 1938.

Malinowski, B. An anthropological analysis of war. Am. J. Sociol., 1940–41, **46**: 521–50. Also Spanish transl., Rev. mex. sociol., 1941, **3**: 119–49.—**Smith, M. W.** The war complex of the Plains Indians. Proc. Am. Philos. Soc., 1937–38, **78**: 425–64.—**Wright, Q.** The warlikeness of primitive peoples. In his Study of War, Chic., 1942, **1**: 560.

—— Attitude research.

See also **Psychological warfare.**

Doob, L. W. Some attitudes underlying American participation in war. J. Social Psychol., 1941, **13**: 475–87.—**Dudycha, G. J.** Attitudes toward war. Psychol. Bull., 1942, **39**: 846–60.—**Gallup, G.** How important is public opinion in time of war? Proc. Am. Philos. Soc., 1941–42, **85**: 440–4.—**Gilliland, A. R., & Katzoff, E. T.** A scale for the measurement of attitudes toward American participation in the present European conflict. J. Psychol., Provincet., 1941, **11**: 173–6.—**Kornhauser, A. W.** Chicago surveys concerning the public's reliefs and desires about the war. J. Social Psychol., 1943, **18**: 371–82.—**Kuhlen, R. G.** Effect of war developments on attitude toward countries. J. Abnorm. Psychol., 1941, **36**: 423–7. ——— Attitudes toward enemy and allied countries. Ibid., 1943, **38**: 277–83.—**McGranahan, D. V.** A comparison of social attitudes among American and German youth. Ibid., 1946, **41**: 245–57.—**Martire, J.** A comparison of general and specific attitudes toward war. Proc. Virginia Acad. Sc., 1941–42, 260 (Abstr.)—**Mental** attitudes in time of war. Lancet, Lond., 1943, **1**: 503.—**Mental** attitudes in war-time. Nature, Lond., 1943, **151**: 684–6.—**Rugg, D.** Recent trends in American public opinion on the war. Psychol. Bull., 1941, **38**: 557.—**Sargent, S. S.** Case studies of attitudes toward the war and peace. Ibid., 1942, **39**: 450 (Abstr.)—**Vernon, P. E.** A study of war attitudes. Brit. J. M. Psychol., 1941–42, **19**: 271–91.

—— Biology of war.

Hunt, H. R. Some biological aspects of war. 118p. 23cm. N. Y., 1930.
Forms No. 2, Monogr. Ser. Eugen. Res. Ass.

Morris, R. T. The way out of war; notes on the biology of the subject. 166p. 18½cm. Garden City, 1918.

Nicolai, G. F. [Die Biologie des Krieges] The biology of war. 553p. 8° N. Y., 1918.

Ayres, J. C. Biology of political economy. Memphis M. J., 1943, **18**: 129.—**Bird, C.** Biological interpretations of war. In his Social Psychol., N. Y., 1940, 509–15.—**Brignac, R.** The consideration of war from a biological standpoint. Bios, Oklahoma, 1939, **10**: 109–19.—**Broster, L. R.** Some biological aspects of the war. S. Afr. M. J., 1942, **16**: 107–10.—**Campbell, H.** The biological aspects of warfare. Lancet, Lond., 1917, **2**: 433; 469; 505.—**Fox, L. A.** The basic biologic aspect of war. Mil. Surgeon, 1936, **78**: 22–31.—**Lavergne, O. M. P. P. de.** D'une guerre à l'autre; biologie de guerre. Rev. Serv. san. mil., Par., 1940, **112**: 349–53.—**Pearl, R.** Some biological considerations about war. Am. J. Sociol., 1940–41, **46**: 487–503.—**Pesci, E.** Il coefficiente biologico nel conflitto odierno. Med. contemp., Tor., 1942, **8**: 5–19.—**Pointe, J.** La guerre; phénomène cosmique. Rev. cosmobiol., Nice, 1937–38, **3**: Suppl., 1–8.—**Taylor, S.** The biology of war; an unwritten chapter from Osler. S. Thomas Hosp. Gaz., Lond., 1936–37, **36**: 116; 164. Also in Doctors in Shirt Sleeves (H. Bashford) Lond., 1939, 214–40; another ed., N. Y., 1940, 214–40.—**Wright, Q.** Functions of modern war. In his Study of War, Chic., 1942, **1**: 249–72.

—— Children's attitude.

See also **War victim.**

Despert, J. L. Preliminary report on children's reactions to the war, including a critical survey of the literature. 92p.; 10p. 23cm. N. Y., 1942.

Bonte, E. P., & Musgrove, M. Influence of war as evidenced in children's play. Child Develop., 1943, **14**: 179–200.—**Chess, S.** Psychology of pre-adolescent children in war time; war ideologies of children. Am. J. Orthopsychiat., 1943, **13**: 505–9.—**Gerard, M. W.** Problems of a war time society; the modification of pre-war patterns; the clinical picture. Ibid., 600–4.—**Guimarães de Almeida, R.** A escola e a guerra. Impr. méd., Rio, 1943, **18**: No. 350, 25–8.—**Guthrie, E. R.** Psychology of war time. Marriage & Family Liv., 1943, **5**: 56.—**Krafft, W. A.** Die Haltung amerikanischer Kinder zum Kriege. Gesundheit, Zür., 1945, **25**: 172–6.—**Lerner, E., & Murphy, L. B.** Further report of Committee for Information on Children in Wartime. J. Social Psychol., 1943, **18**: 413–8.—**MacDonald, M. W.** Impact of war on children and youth, intensification of emotional problems. Am. J. Pub. Health, 1943, **33**: 336–8.—**Meltzer, H.** Attitudes of American children toward peaceful and warlike nations in 1934 and 1938. J. Psychol., Provincet., 1939, **7**: 369–84.—**Naumburg, M.** Children's art expression and war. Nerv. Child, 1942–43, **2**: 360–73.—**Odoroff, M. E., & Harris, D. B.** Midwestern children's responses to questions about war. Ibid., 353–9.—**Parry, R. H.** The child as a wartime problem. Am. J. Pub. Health, 1943, **33**: 1043–53.—**Plant, J. S.** Social significance of war impact on adolescents. Ann. Am. Acad. Polit. Social Sc., 1944, **236**: 1–7.—**Rautman, A. L.** Children's play in war time. Ment. Hyg., Alb., 1943, **27**: 549–53. ——— **& Brower, E.** War themes in children's stories. J. Psychol., Provincet., 1945, **19**: 191–202.—**Reymert, M. L.** The place of war toys in the present emergency. J. Genet. Psychol., 1944, **64**: 317–22.—**Slawson, J.** The adolescent in a world at war. Ment. Hyg., Alb., 1943, **27**: 531–48.—**Smith, R. M.** Children in war time. Am. J. Dis. Child., 1942, **64**: 497–504.—**War** conditions and the school child. Med. Off., Lond., 1943, **70**: 1.—**Wilkins, E. H.** War conditions and the school child. Ibid., 47.—**Wolman, I. J.** The child in war. Am. J. M. Sc., 1943, **205**: 858–69.

—— Conservativism and radicalism.

Bird, C. Radicalism and conservatism. In his Social Psychol., N. Y., 1940, 174–84.—**Fay, P. J., & Middleton, W. C.** Certain factors related to liberal and conservative attitudes of college students. J. Social Psychol., 1940, **11**: 107; **12**: 55.—**Haedenkamp, K.** Kampfansage an Liberalismus und Reaktion auf den Hochschulen. Deut. Aerztebl., 1934, **64**: 59–64.—**Kerr, W. A.** Correlates of politico-economic liberalism-conservatism. J. Social Psychol., 1944, **20**: 61–77.—**Morgenthau, H. J.** The relationship between the political philosophy of liberalism and foreign policy, with special reference to the basic ideas of pre- and post-World-War foreign policy. Yearb. Am. Philos. Soc. (1940) 1941, 224.—**Skerpan, A. A.** Liberalism and Eastern Europe. Bull. Am. Ass. Univ. Professors, 1948, **34**: 719–31.—**Smith, G. H.** The relation of enlightenment to liberal-conservative opinions. J. Social Psychol., 1948, **28**: 3–17.

—— Correlations.

Bernard, L. L. War and the democratic state. Am. J. Sociol., 1916, **22**: 193–202.—**Kornhauser, A. W.** Some relationships among attitudes pertaining to the war. Psychol. Bull., 1942, **39**: 449 (Abstr.)—**Smith, M.** A note on attitude patterning among protagonists of war and capital punishment. J. Social Psychol., 1939, **10**: 553–8.—**Wright, Q.** Conditions of government and war. In his Study of War, Chic., 1942, **2**: 819–60.

—— Cultural and civilization aspects.

Rosenberg, A. Der Mythus des 20. Jahrhunderts; eine Wertung der seelisch-geistigen Gestaltenkämpfe unserer Zeit. 712p. 8° Münch., 1939.

Ahumada, F. La guerra y el libro. Rev. mil., La Paz, 1943, **7**: 61–4.—**Azurdia, J.** Los beneficios de la guerra. Esc. med., Guatemala, 1916, **20**: 158–61.—**Baudouin, M.** De l'influence des guerres sur le renouveau des traditions antiques; culte des arbres. Chron. méd., Par., 1915, **22**: 270–2.—**Bauer, W. W.** Benefits of war. Health, Mount. View, 1943, **10**: No. 4, 12.—**Bernard, L. L.** Why we have cultural antagonisms. In his Introduct. Sociol., N. Y., 1942, 833.—**Brickner, R. M., & Lyons, L. V.** A neuropsychiatric view of German culture and the treatment of Germany. J. Nerv. Ment. Dis., 1943, **98**: 281–93.—**Burke, K.** War and cultural life. Am. J. Sociol., 1942–43, **48**: 404–10.—**Davis, W.** Can civilization survive another world war? Science News Lett., 1939, **36**: 214.—**Jacobs, M.** Cultures in the present world crisis. Human Relations, Lond., 1947, **1**: 228–39.—**Kardiner, A.** Cultural restraints, intrasocial dependencies, and hostilities. Proc. Nat. Conf. Social Work, 1937, **64**: 97–111.—**Lewin, K.** Cultural reconstruction. J. Abnorm. Psychol., 1943, **38**: 166–73.—

Pear, T. H. Peace, war and culture-patterns. Bull. John Rylands Libr., 1948, **31**: 120–47.—**Sigerist, H. E.** War and culture. Bull. Hist. M., 1942, **11**: 1–11. Also Q. Chicago M. School, 1941–42, **2**: No. 2, 4; 35. ——— On the threshold of another year of war. Bull. Hist. M., 1943, **13**: 1–9. Also Connecticut M. J., 1943, **7**: 225–7.—**Taylor, W. S.** Changing attitudes in a conflict of cultures. Character & Personality, 1941–42, **10**: 87–108.—**Teggart, F. J.** War and civilization in the future. Am. J. Sociol., 1940–41, **46**: 582–90.—**Wright, Q.** Military characteristics of the historic civilizations. In his Study of War, Chic., 1942, **1**: 575–90. ——— Analysis of the battles of modern civilization. Ibid., 625–35. ——— Wars of modern civilization. Ibid., 636–51, 6 tab.

—— Demographical aspect.

See also **Manpower.**

Burgdörfer. Bevölkerungspolitik im abendländischen Kulturkreis. Deut. med. Wschr., 1943, **69**: 72.—**David, E.** Der Krieg und das Bevölkerungsproblem. Neue Generation, 1914, **10**: 469–80.—**Dorpalen, A.** Population policy in the Reich. In his World of Gen. Haushofer, N. Y., 1942, 270–4.—**Drysdale, C. V.** Peace and population growth. Birth Control Rev., 1930–31, **14**: 319–21.—**Duvall, J. C.** Overpopulation as a prime factor in the cause of war. Internat. Neomalth. Birth Control Conf., 1926, 6. Conf., **2**: 107–19.—**Goldstein, F.** War and overpopulation. Ibid., 153–61.—**Kietzell.** Weltkrieg und Bevölkerungspolitik. Arch. Rassenb., 1940, **34**: 261–91.—**Pearl, R.** War and overpopulation. Collect. Papers Dep. Biol. Johns Hopkins, 1936, **13**: No. 4, 1–6.—**Sanger, M.** War and population. Birth Control Rev., 1922–23, **6**: 106.—**Schwimmer, R.** Birth control or war. Internat. Neomalth. Birth Control Conf., 1926, 6. Conf., **2**: 133–7.—**Tandler, J.** Krieg und Bevölkerung. Wien. klin. Rdsch., 1916, **30**: 187; passim.—**Thompson, W. S.** Overpopulation and migration as causes of war. Birth Control Rev., 1924–25, **9**: 148–53. ——— German population policies. In his Popul. Probl., N. Y., 1942, 426–35.—**War** and population; address delivered by Mr. Harold Cox at the first American Birth Control Conference. Birth Control Rev., 1922–23, **6**: 57–9.—**War** and population. J. Trop. M. Hyg., Lond., 1917, **20**: 238.

—— Eugenic aspect.

Bramwell, B. S. Dysgenic effects of war. Eugen. Rev., Lond., 1941–42, **33**: 138.—**Burlingame, L. L.** Genetic aspects of war and migration. In his Hered. & Social Probl., N. Y., 1940, 217–36.—**Cazzamalli, F.** La guerra come avvenimento storico degenerogeno e la necessità di provvidenze riparatrici. Gior. Soc. ital. igiene, 1925, **47**: 10–4.—**Chauffard.** La guerre et la santé de la race. Rev. sc., Par., 1915, **1**: 18–25.—**Ellinger, T. U. H.** On the breeding of Aryans and other genetic problems of war-time Germany. J. Hered., 1942, **33**: 141–3.—**Galton** (The) luncheon, 1941, discussion on eugenics in war-time. Eugen. Rev., Lond., 1940–41, **32**: 111–4.—**Gini, C.** Report of the Committee for the Study of the Eugenic and Dysgenic Effects of War. Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 231–43. ——— Gli effetti eugenici o disgenici della guerra. In his Saggi di demogr., Roma, 1934, 659–72.—**Gordon, H. L.** Is war eugenic or dysgenic? that is, does war improve or impair the physical or mental qualities of future generations? East Afr. M. J., 1942–43, **19**: 86–96.—**Gütt.** Rasse- und Volksgesundheitsdienst im völkischen Staat. Deut. Aerztebl., 1934, **64**: 255–8.—**Hunt, H. R.** Is war dysgenic? Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 244–8.—**Jungblut.** Weltkrieg und Volkskraft. Oeff. Gesundhdienst., 1936–37, **2**: A, 431–49.—**L'Ettore, G. P.** Contributo allo studio degli effetti selettivi delle guerre dal punto di vista dell'eugenica. Genesis, Roma, 1932, **12**: 49f.—**Naramowski, M.** La défense du pays et l'eugénique. Lek. wojsk., 1936, **27**: 410–3.—**Osborn, F.** Eugenics and national defense. J. Hered., 1941, **32**: 203.—**Richards, A.** War as a eugenic factor. Proc. Oklahoma Acad. Sc. (1927) 1928, **7**: 234–40.—**Savorgnan, F.** Krieg, Auslese und Eugenik. Zschr. Völkerpsychol., 1927, **3**: 18–31.—**Szél, T.** The genetic effects of the war in Hungary. Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 249–54.—**Verschuer, O. v.** Wehrwesen und Rassenbiologie. Umschau, 1940, **44**: 401–3.—**Wilczyński, S.** [The Army and the war from the eugenic view-point] Lek. wojsk., 1936, **27**: 616–22.

—— Internationalism and world integration.

Abderhalden, E. Gedanken eines Biologen zur Schaffung einer Völkergemeinschaft und eines dauerhaften Friedens. 112p. 20cm. Zür., 1947.

Tegen, E. Psykologiska grundvalar för en federativ världsorganisation. 24p. [Microfilm] Stockh., 1943.

—— Measurement.

See also subheading (Attitude)

Allport, F. H. The construction and use of a telic scale for measuring war-producing behaviors of citizens. Psychol. Bull., 1939, **36**: 555. ——— & **Hanchett, G. A.** The war-producing behavior of citizens; a scale of measurement, with preliminary results in imagined situations. J. Social Psychol., 1940, **11**: 447–90.—**Conrad, H. S.** Some principles of attitude-measurement; a reply to opinion-attitude methodology. Psychol. Bull., 1946, **43**: 570–89.—**Dudycha, G. J.** A critical examination of the measurement of attitude toward war. J. Social Psychol., 1943, **18**: 383–92.—**Ericksen, S. C.** A skeptical note on the use of attitude scales toward war; in 1940, 1941; in 1942. Ibid., 1942, **16**: 229; 1944, **20**: 31. ——— A skeptical note on the use of attitude scales toward war in 1946. Ibid., 1948, **27**: 79–90.—**Gristle, M.** The construction of a scale for measuring attitude toward militarism-pacifism. Ibid., 1940, **11**: 383–91.—**Klingberg, F. L.** Studies in measurement of the relations among sovercign states. Psychometrika, Cincin., 1941, **6**: 335–52.—**Lentz, T. F.** Opinion change in time of war. J. Psychol., Provincet., 1945, **20**: 147–56.—**Link, H. C., & Freiberg, A. D.** The psychological barometer on communism, Americanism and socialism. J. Appl. Psychol., 1949, **33**: 6–14.—**Miller, L. W.** A critical analysis of the Peterson-Thurstone War Attitude Scale. J. Educ. Psychol., 1934, **25**: 662–8.—**Stouffer, S. A.** Government and the measurement of opinion. Sc. Month., 1946, **63**: 435–40.—**Williams, F. W.** Polling postwar issues. J. Consult. Psychol., 1946, **10**: 35–44.

—— Nationalism.

Kaminski, H. E. El nazismo como problema sexual. 167p. 20cm. B. Air., 1940.

American (The) way of life. N. England J. M., 1942, **226**: 400.—**Appel, K. E.** Nationalism and sovereignty; a psychiatric view. J. Abnorm. Psychol., 1945, **40**: 355–62.—**Behaviour** (The) of nations. Lancet, Lond., 1941, **1**: 776.—**Bellamy, E.** Der kampf ums Dasein und der Nationalismus. Ethische Kultur, 1893, **1**: 293.—**Benjamin, H.** Educational factors in national efficiency. Proc. Am. Sc. Congr. (1940) 1943, 8. Congr., **12**: 91–5.—**Bischoff, R. F.** National socialism and the German idea of Volk. Summaries Thes. Harvard Univ. (1937) 1938, 177–80.—**Bode, K.** Acceptance of defeat in Germany. J. Abnorm. Psychol., 1943, **38**: 193–8.—**Buttersack.** Heilung und Verfall; die Bedeutung des Lebenswillens im kleinen Dasein des Einzelnen und im grossen Dasein des Volkes. Psychol. & Med., Stuttg., 1928, **3**: 161–98.—**Ferguson, L. W.** The isolation and measurement of nationalism. J. Social Psychol., 1942, **16**: 215–28.—**Fessler, L.** Psychology of nationalism. Psychoanal. Rev., 1941, **28**: 372–83.—**Griffith, W. E.** Private organizations; forward! we have work to do in a world at war. Crippled Child, 1941–42, **19**: 115.—**Gruesome** (A) but glorious task. J. Am. Inst. Homeop., 1942, **35**: 74.—**Gundlach, R. H.** The attributes of enemy, allied, and domestic nationality groups as seen by college students of different regions. J. Social Psychol., 1944, **19**: 249–58.—**Haase-Bessell, G.** Dynamisches Weltbild und Volksbegriff. Arch. Bevölk., 1943, **13**: 55–62.—**Halecki, O.** The problem of self-determinism. Proc. Am. Philos. Soc., 1943–44, **87**: 194–8.—**Hayes, C. J. H.** Nationalism. In: Prelim. Rep. Com. Organiz. Peace, 1942, 34–44.—**Hösel, A.** Nietzsche und die nationale Tugend. Zschr. Menschenk., 1933–34, **9**: H. 6, 42–5.—**Hughes, E. C.** The impact of war on American institutions. Am. J. Sociol., 1942–43, **48**: 398–403.—**Ichheiser, G.** Some psychological obstacles to an understanding between the nations. J. Abnorm. Psychol., 1941, **36**: 428–32.—**Jackson, T. W.** The lot of the innocent bystander in war. Tr. Tristate M. Ass., 1916, **18**: 135–46.—**Keith, A.** Nationalism as a factor in human evolution. In his New Theory of Hum. Evol., N. Y., 1949, 341–52.—**Klineberg, O., Child, I. L., & Canady, H. G.** Differences among the peoples of the world. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 501–17.—**Kurth, G. M.** Hitler's two Germanies; a sidelight on nationalism. Psychoanal. & Social Sc., 1950, **2**: 293–312.—**Landauer, C.** Comment on Mayer's analysis of National Socialism. Social Res., 1942, **9**: 402–4.—**Leadingham, R. S.** The good of yesterday. J. M. Ass. Georgia, 1940, **29**: 455.—**Levinson, D. J.** An approach to the theory and measurement of ethnocentric ideology. J. Psychol., Provincet., 1949, **28**: 19–39.—**Mackenzie, M.** The preservation of the national character. In his Human Mind, Phila., 1941, 173–85.—**Mayer, C.** On the intellectual origin of National Socialism. Social Res., 1942, **9**: 225–47.—**Osgood, C. E.** Impact of war on a nationalistic frame of reference. Psychol. Bull., 1942, **39**: 451 (Abstr.)—**Papillault, G.** Le principe des nationalités. Rev. anthrop., Par., 1917, **27**: 415–43.—**Peixoto, A.** Education et culture nationales. Proc. Am. Sc. Congr. (1940) 1943, 8. Congr., **12**: 133–8.—**Ratzel, F.** The sea as a source of national greatness. In: World of Gen. Haushofer (Dorpalen, A.) N. Y., 1942, 111–25.—**Schreier, F.** German aggressiveness; its reasons and types. J. Abnorm. Psychol., 1943, **38**: 211–24.—**Smith, M. E.** A comparison or judgment of prejudice toward certain racio-national groups before and since the entry of the United States into World War II. J. Social Psychol., 1943, **18**: 393–400.—**Stagner, R.** A correlational analysis of nationalistic opinions. Ibid., 1940, **12**: 197–212. ——— & **Osgood, C. E.** An experimental analysis of a nationalistic frame of reference. Ibid., 1941, **14**: 389–401.—**Wegener, W.** Zur Frage der Wurzeln völkischen Geschehens. Internat. Zschr. Individpsychol., Wien, 1931, **9**: 438–47.—**Wright, Q.** Sovereignty and war. In his Study of War, Chic., 1942, **2**: 895–922. ——— The family of nations. Ibid., 955–86. ——— Nationalism and war. Ibid., 987–1011. ——— Measurement of distances between states. Ibid., 1466–71. ——— Analysis of relations between states. Ibid., 1484–92.—**Wurmtoeter, H.** Individualpsychologische

Bemerkungen zu Fichtes deutscher Nationalerziehung. Internat. Zschr. Individpsychol., Wien, 1933, **11**: 468–70.

—— Neuroticism.

Berg, C. War in the mind and in the world. In his Case Book, N. Y., 1948, 158–65.—**Brickner, R. M.** Neuropsychiatric treatment of Germany. Tr. Am. Neur. Ass., 1943, **69**: 136.—**Burrow, T.** Neurosis and war; a problem in human behavior. J. Psychol., Provincet., 1941, **12**: 235–49.—**Nervous** disorders widespread in Germany. J. Am. M. Ass., 1943, **123**: 644.—**New** (The) disease. North Carolina M. J., 1941, **2**: 496. Also Virginia M. Month., 1941, **68**: 555. Also West Virginia M. J., 1941, **37**: 419.—**Schneurson, P.** The epidemic of annihilation in Europe from psychopathological point of view. Harefuah, Tel Aviv, 1943, **24**: 150.—**Strecker, E. A.** War hysteria. Week. Roster, Phila., 1941–42, **37**: 15.—**War's** hysteria shouldn't sway authorities' scientific thought. Am. M. Ass. News, 1941, Jan. 16, 1.

—— Occupational aspect.

MACKINTOSH, J. M. War and the doctor. 2. ed. 135p. 22½cm. Edinb., 1940.

MEDICAL OPINIONS ON WAR. 72p. 25cm. Amst., 1939.

Chisholm, G. B. The individual's responsibility for world peace. Bull. Menninger Clin., 1948, **12**: 73–80.—**Cushman, R. E.** Civil liberties in wartime. Bull. Am. Ass. Univ. Professors, 1943, **29**: 398–408.—**Days** (The) ahead; editorial. Ann. Int. M., 1941, **15**: 1118.—**Desfosses, P.** Le chemin de la paix. Presse méd., 1938, **46**: 1757.—**Fraternitas** medicorum. Science, N. Y., 1915, **42**: 179–83.—**Gaffiero.** Les médecins et la défense de la paix. Médecin fr., 1949, **9**: 274.—**Great** (A) plague. S. Mary Hosp. Gaz., Lond., 1940, **46**: 51–3.—**Harrison, B. J.** Medicine and some orthodoxies (Osler lecture) Bull. Vancouver M. Ass., 1946–47, **23**: 197–210.—**Hayes, S. P., jr.** Occupational and sex differences in political attitudes. J. Social Psychol., 1937, **8**: 87–113.—**Jordan, D. S.** The relation of medicine to the peace movement. J. Sociol. M., 1915, **16**: 197–200.—**Kagan, S. R.** Peace and the doctor. Med. Rec., N. Y., 1944, **157**: 582–6.—**Katzoff, E. T., & Gilliland, A. R.** Student attitudes on the world conflict. J. Psychol., Provincet., 1941, **12**: 227–33.—**Meltzer, S. J.** Organization of Medical Brotherhood. J. Am. M. Ass., 1915, **65**: 451. ——— Medical Brotherhood for the Furtherance of International Morality; Fraternitas medicorum. Biochem. Bull, 1916, **5**: 129–38. ——— Fraternitas medicorum; a report and a discussion. Science, 1916, n. ser., **43**: 675–80. ——— The Medical Brotherhood. Med. Rec., N. Y., 1917, **91**: 420.—**Sargent, S.** Attitudes toward the war and peace in a mid-western agricultural county. J. Social Psychol., 1943, **17**: 337–45.—**Stearns, R. L.** What are we defending? Tr. Am. Acad. Ophth. Otolar. (1941) 1942, **46**: No. 3, Suppl., 55–60.—**Tolley, W. P.** Ends and means. Bull. Am. Ass. Univ. Professors, 1942, **28**: 23–31.—**Waitt, A. H.** Can we win the peace through science? Med. Ann. District of Columbia, 1947, **16**: 1–5.—**Wall, F. L.** Winning the peace; the doctor's contribution. Med. J. Australia, 1948, **2**: 141–3.—**Weech, A. A.** War and beyond the war; a promise to men of medical science. Cincinnati J. M., 1942–43, **23**: 268–76.—**Wells, L.** Facing the current crisis realistically. Proc. Ass. Life Insur. Presid., 1941, **35**: 134–48.—**Wherry, W. P.** Introspection; war-tuning. Tr. Am. Acad. Ophth. Otolar. (1941) 1942, **46**: Suppl. 26.

—— Pacifism.

See also **Conscientious objector.**

Alexander, F. Peace aims. Am. J. Orthopsychiat., 1943, **13**: 571–80.—**Brown, I.** Building the new Jerusalem. Med. Today, Richmond, 1942, **3**: No. 6, 4–8.—**Choisy, M.** Quelques réflexions sur la guerre de la paix. Psyché, Par., 1949, **4**: 64–79.—**Congrès** mondial des intellectuels pour la paix. Médecin fr., 1948, **8**: 222.—**False** (The) valor of cynicism; how long must we tolerate the poses of craven pacifism and smart aleck defeatism in the face of the present revolution against humanity? Westchester M. Bull., 1941, **9**: No. 8, 5.—**Gundlach, R. H.** The psychological bases for permanent peace. J. Social Psychol., 1942, **16**: 297–334.—**Hartmann, G. W.** Pacifism and its opponents in the light of value theory. J. Abnorm. Psychol., 1941, **36**: 151–74. ——— Motivational differences between pacifists and non-pacifists. J. Social Psychol., 1941, **14**: 197–210. ——— Toward a reasonable peace. J. Abnorm. Psychol., 1943, **38**: 199–210.—**Janowsky, O. I.** The treatment of minorities. In: Prelim. Rep. Com. Organiz. Peace, 1942, 88–94.—**Kelley, R. R., & Johnson, P. E.** Emotional traits in pacifists. J. Social Psychol., 1948, **28**: 275–86.—**Maudsley, H.** War and peace. In his Life in Mind, Lond., 1902, 168–73.—**Moon, P. T.** International peace and the common good. Proc. Nat. Conf. Social Work, 1936, **63**: 46–59.—**Mowrer, O. H.** Educational considerations in making and keeping the peace. J. Abnorm. Psychol., 1943, **38**: 174–82.—**Moxon, C.** Psycho-analysis and pacifism. Character & Personality, 1936–37, **5**: 224–30.—**Murphy, G.** Psychology in the making of peace. J. Abnorm. Psychol., 1943, **38**: 132–40. ——— Psychology and the peace. Psychol. Bull., 1944, **41**: 582.—**Pfister, O.** Die menschlichen Einigungsbestrebungen im Lichte der Psychoanalyse. Imago, Wien, 1926, **12**: 126–35.—**Prince, M.** A world consciousness and future peace. J. Abnorm. Psychol., 1916–17, **11**: 287–304.—**Sanford, N.** American conscience and the coming peace. Ibid., 1943, **38**: 158–65.—**Stagner, R.** Peace-planning as a problem in the psychology of learning. Ibid., 183–92. ——— Opinions of psychologists on peace planning. J. Psychol., Provincet., 1945, **19**: 3–16.—**Steed, H. W.** The crisis of peace. Proc. Nat. Conf. Social Work, 1936, **63**: 60–5.—**Stöcker, H.** Verzichtfriede und Menschenökonomie. Neue Generation, 1918, **14**: 24–35.—**Swift, E. J.** The psychology of pacifism. J. Am. M. Ass., 1919, **72**: 1319–21.—**Symposium:** some psychological factors involved in the establishment of permanent peace. Psychol. Bull., 1942, **39**: 612–4.—**Wallon, H.** Le médecin et la paix. Médecin fr., 1949, **9**: 118.

—— Patriotism.

Bérillon, L. L'éducation des sentiments à l'école; le culte de la patrie. Rev. psychothér., Par., 1914, **28**: 249; passim.—**Chamorro, T. A.** Algo por la verdad y todo por la patria. Sem. méd., B. Air., 1940, **47**: pt 2, 655–60.—**Christoph.** Versorgung der Kämpfer für die nationale Erhebung. Deut. Aerztebl., 1934, **64**: 261–3.—**Creedy, F.** Nationalism and patriotism as compensatory to economic life. In his Human Nature, Chapel Hill, 1939, 152–86.—**E., L.** Sieg der Opferbercitschaft. Aerztebl. Hessen, 1941, **9**: 159.—**Giddings, F. H.** Americanism in war and in peace. Pub. Clark Univ. Libr., 1916–17, **5**: No. 5, 1–16, portr.—**Gundlach, R. H.** World crisis and the changing policies of peace and patriotic societies. J. Social Psychol., 1943, **17**: 133–52. Also Psychol. Bull., 1941, **38**: 542.—**Keith, A.** Patriotism as a factor in human evolution. In his New Theory of Hum. Evol., N. Y., 1949, 46–54.—**Moir, J. C.** A plague on chauvinism! Virginia M. Month., 1943, **70**: 485–7.—**Percival, T.** Fealty to magistrates. In his Moral & Lit. Diss., 2. ed., Warrington, 1789, 302–9.

—— Postwar planning of reconstruction.

BONNET, H. Outlines of the future. 128p. 19½cm. Chic., 1943.

Allport, G. W., & Veltfort, H. R. Planning for the postwar period. J. Social Psychol., 1943, **18**: 214–8.—**Angell, N.** The scientific method and our plans for peace. In: March of Med. (N. York Acad. M.) N. Y., 1943, 24–35.—**Beneš, E.** The organization of postwar Europe. Foreign Affairs, 1941–42, **20**: 226–42.—**Conrad, H. S., & Sanford, R. N.** Scales for the measurement of war-optimism; military optimism; optimism on consequences of the war. J. Psychol., Provincet., 1943, **16**: 285–311.—**Dean, V. M.** After victory what? Proc. Nat. Conf. Social Work,, 1942, **69**: 66–78.—**Economic** foundations of a New World Order. Nature, Lond., 1942, **150**: 33–6.—**Eliasberg, W.** Facing post-war Germany. J. Social Psychol., 1944, **20**: 301–11.—**Emergency** educational and cultural rebuilding of the war-torn United Nations; statement of policy by U. S. Department of State. J. Am. Dent. Ass., 1944, **31**: 1521.—**Finch, G. A.** Some problems connected with the forthcoming peace. Social Sc., 1942, **17**: 260–6.—**Ford, G. S.** America enters the scene. Proc. Am. Philos. Soc., 1943–44, **87**: 121–5.—**Germany** after the war; round table, 1945. Am. J. Orthopsychiat., 1945, **15**: 381–441.—**Gillespie, R. D.** Human relationships in the postwar world. In his Psychol. Effects of War, N. Y., 1942, 217–43.—**Gillette, G. M.** America's place in the postwar world. Social Sc., 1943, **18**: 177–80.—**Harding, D. W.** Mental health in post-war reconstruction. Ment. Health, Lond., 1941, **2**: 61–6.—**Hugenholtz, D. T.** Psychologische opmerkingen over den na-oorlogschen mensch. Ned. tschr. psychol., 1947, **2**: 20–47.—**Huxley, J. S.** Science, war and reconstruction. Science, 1940, **91**: 151–8. ——— German education and re-education. Britain, N. Y., 1943–44, 2: No. 2, 37–40.—**Israeli, N.** Psychology of post-war planning. J. Psychol., Provincet., 1943, **16**: 313–6.—**Johnson, A.** The coming organization for peace. Social Res., 1942, **9**: 159–68.—**Koht, H.** The small nations in the post-war world. Proc. Am. Philos. Soc., 1943–44, **87**: 152–60.—**Leadership** in world reconstruction. Nature, Lond., 1942, **149**: 337–40.—**Leighton, A. H.** Training social scientists for post-war conditions. Appl. Anthrop., 1941–42, **1**: 25–30.—**Lerner, E.** Preface to the psychology of peace and reconstruction. J. Psychol., Provincet., 1943, **15**: 3–25.—**Loewenstein, H. z.** Outlines of an equitable peace. Social Sc., 1942, **17**: 117–23.—**Löwy, S.** Social psychology and reconstruction. Bull. Czech. M. Ass. Gr. Britain, 1942, No. 4, 31–6.—**Loudon, A.** Some thoughts on post-war planning. Proc. Am. Philos. Soc., 1943–44, 87: 139–46.—**Maisky, M., Hailey** [et al.] Science and world planning. Advance. Sc., Lond., 1942, **2**: 40–26.—**Murphy, G.** Can we build a satisfactory post-war world? Am. J. Orthopsychiat., 1943, **13**: 581–9.—**Political** and Economic Planning. Nature, Lond., 1943, **151**: 372–4.—**Roberts, J. R.** Your place in the world of tomorrow. J. Franklin Inst., 1943, **235**: 577–90.—**Russell, E. J.** Re-establishment of the scorched earth. Advance. Sc., Lond., 1942, 2: 88–90.—**Stagner, R.** Peace plans; popular reactions to a scientific program. Psychol. Bull., 1942, **39**: 451 (Abstr.)—**War** (The) and afterwards. Med. J. Australia, 1940, **2**: 263.—**War's** aftermath [Rev.] J. Hered., 1915, **6**: 404–6.—**Wartime** planning for war and post-war. J. Am. Insur., 1943, **20**: No. 7, 15.—**Welch, E. H.** War impacts and post-war readjustments. Occupations, 1941–42, **20**: 517.—**Wilde, J. F.** Some post-war psychological problems. Ulster

M. J., 1943, 12: 89–97.—**Wright, Q.** The relation of national policies to types of world-order. In his Study of War, Chic., 1942, 2: 1493–7.

—— Preparedness.

See as main heading.

Allee, W. C. War is not necessary or inevitable biologically. Science News Lett., 1938, 33: 195.—**Creegan, R. F.** Psychological disarmament. Bull. Am. Ass. Univ. Professors, 1943, 29: 365–72.—**Dunlap, K.** The causes and the prevention of war. J. Abnorm. Psychol., 1940, 35: 479–97.—**Fromme, A.** On the use of certain qualitative methods on attitude research; a study of opinions on the methods of preventing war. J. Social Psychol., 1941, 13: 429–59.—**Kellor, F.** Arbitration as a phase of the procedure for the settlement of inter-American controversies. Proc. Am. Sc. Congr. (1940) 1943, 8. Congr., 10: 293–301.—**Leighton, J. A.** Educational preparedness for peace. Sc. Month., 1917, 5: 1–21.—**Milbank, A. G.** A design to keep the peace. Proc. Annual Conf. Milbank Mem. Fund, 1942, 20. Conf., 59–71.—**Miller, C. R.** Humane-scientific outlook greatest hope against wars. J. Calendar Reform, 1943, 13: 55–8.—**Profilaxis** (La) de la guerra. Crón. méd. quir. Habana, 1934, 60: 165.—**Reckord, M. A.** Holding the peace in America. Chem. Warf. Bull., 1940, 26: 1–3.—**Stagner, R., Brown, J. F.** [et al.] An analysis of social scientists' opinions on the prevention of war. J. Social Psychol., 1942, 15: 381–94. ——— A survey of public opinion on the prevention of war. Ibid., 16: 109–30.—**Stöcker, H.** Ist der Kriegstrieb ausrottbar? Neue Generation, 1927, 23: 39–46.—**Wright, Q.** The probability of war. In his Study of War, Chic., 1942, 2: 1261–83. ——— Synthesis and practice. Ibid., 1299–309. ——— The prevention of war. Ibid., 1310–25. ——— Toward a warless world. Ibid., 1326–52.

—— Psychiatric aspect.

Ellery, R. S. Psychiatric aspects of modern warfare. 191p. 22cm. Melb., 1945.

Alexander, F. The psychiatric aspects of war and peace. Am. J. Sociol., 1940–41, 46: 504–20.—**Burlingame, C. C.** A psychiatrist looks at war and peace. Connecticut M. J., 1943, 7: 476–81.—**Dubois, J. C.** Guerre et psychiâtrie. Synth. séméi. thér., 1948, 1: 105–9, &c.—**Eliasberg, W. G., & Karliner, W.** The psychiatric and bureaucratic aspects of war. J. Social Psychol., 1949, 30: 189–205.—**Neustatter, W. L.** Some psychiatric aspects of total war. Dis. Nerv. Syst., 1942, 3: 79–87.—**Pacheco e Silva, A. C.** A psiquiatria e a guerra. São Paulo med., 1942, 15: 341–50.—**Somerville, G.** Psychiatry in war time. Med. Press & Circ., Lond., 1942, 207: 96–8.—**Stevenson, G. H.** The psychiatric public health aspects of war. Am. J. Psychiat., 1941–42, 98: 1–8.—**Wilson, D. C.** The psychiatrist looks at war. South. M. J., 1942, 35: 79–82.

—— Psychological aspect.

See also **Psychological warfare.**

Abrahamsen, D. Men, mind and power. 155p. 21cm. N. Y., 1945.

Einstein, A., & Freud, S. Warum Krieg? 61p. 23cm. Par., 1933.

Jung, C. G. Aufsätze zur Zeitgeschichte. 147p. 20½cm. Zür., 1946.

Moreno, J. L., & Jennings, H. H. Who shall survive? a new approach to the problem of human interrelations. 440p. 8° Wash., 1934.

Studies in social psychology in World War II. v.1–2, 2v. 599p.; 675p. 24½cm. Princet., 1949.

Abel, T. The element of decision in the pattern of war. Am. Sociol. Rev., 1941, 6: 853–9.—**Alexander, F.** Psychological aspects of war and peace. In his Our Age of Unreason, Phila., 1942, 323–38. ——— La psiquiatría y la paz mundial. Psiquis, Méx., 1949, 4: 197–210.—**Allen, F. E.** Adventures in understanding. Proc. Nat. Conf. Social Work, 1937, 64: 84–94.—**Allison, W. L.** The war psychology of Germany compared with that of the United States. Yearb. Texas Soc. Ment. Hyg., 1942, 33–6.—**Beck, S. J.** Problems of a war time society: psychological forces, destructive and constructive. Am. J. Orthopsychiat., 1943, 13: 571.—**Bird, C.** Psychological aspects of war. In his Social Psychol., N. Y., 1940, 508–46.—**Brown, W.** The psychology of peace and war. In his Psychol. & Psychother., 4. ed., Lond., 1940, 182–95. ——— The psychological factors which lead to war. Med. Press & Circ., Lond., 1940, 203: 11–3. ——— The psychology of modern Germany. Brit. J. Psychol., 1943–44, 34: 43–59.—**Canella, M. F.** Psicologia del potere politico. Riv. psicol., 1934, 30: 192–9.—**Cartwright, D.** American social psychology and the war. J. Consult. Psychol., 1946, 10: 67–72.—**Cattell, R. B., Kelly, E. L.** [et al.] Social and political. Psychol. Bull., 1940, 37: 472–6.—**Contributions** from the S. P. S. S. I. Committee on the psychology of war and peace. J. Social Psychol., 1942, 15: 353.—**Dos Passos, J.** The people at war; the men who make the motors. Harpers Mag., 1942–43, 186: 452–63.—**English, O. S.** Psychiatry's contribution to peace. Philadelphia M., 1945–46, 41: 1587–91.—**Fletcher, J. M.** The verdict of psychologists on war instincts. Sc. Month., 1932, 35: 142–5.—**Freud, S.** Zeitgemässes über Krieg und Tod. Imago, Lpz., 1915, 4: 1–21.—**Friedrich, C. J.** The poison in our system. Atlantic Monthly, 1941, June, 661–72.—**Gadelius, B.** Kriget och massornas själsliv. Allm. sven. läk. tidn., 1915, 12: 1345–54.—**Glover, E., & Ginsberg, M.** A symposium on the psychology of peace and war. Brit. J. M. Psychol., 1934, 14: 274–93.—**Hall, J. K.** Warfare; antitheses in behaviour. South. M. & S., 1942, 104: 375–8.—**Hall, S. B.** A psychological aspect of the rearmament programme. Brit. M. J., 1939, 2: 801–3.—**Henry, T. R.** German folk psychology. Med. Bull. Veterans Admin., 1941–42, 18: 344.—**[Horder]** The importance of poise in a mad Europe. J. Am. M. Ass., 1936, 107: 1821.—**Horst, L. van der.** The social-psychological background of the present world crisis. Psychoanal. Rev., 1950, 37: 1–24.—**Into** the night. Am. J. Psychiat., 1941–42, 98: 464.—**Loe Ping Kian.** Proeve eener psychologische beschouwing over het conflict Nederland-Indonesië. Psychiat. neur. bl., Amst., 1946, 49: 179–86.—**Mackenzie, M.** Examples of national anxiety and apathy. In his Human Mind, Phila., 1941, 196–8.—**Malamud, I. T.** A psychological approach to the study of social crises. Am. J. Sociol., 1937–38, 43: 578–92.—**Manfredini, J.** Problemas de psiquiatria e de paz. Impr. méd., Rio, 1946–47, 22: No. 391, 31–8.—**Menninger, W. C.** Prejudice and discrimination. In his Psychiat. in a Troubled World, N. Y., 1948, 422–6.—**Minkowski, E.** Observations on the psychological and psychopathological consequences of war and Nazism. Am. OSE Rev., 1949, 6: 3–10.—**Missiroli, M.** Note di psicologia politica. Riv. psicol., 1920, 16: 339–54.—**Money-Kyrle, R. E.** The development of war, a psychological approach. Brit. J. M. Psychol., 1937, 16: 219–36.—**Needham, J.** Recent impressions of war-time America. Nature, Lond., 1940, 146: 737–9.—**Neumann, J.** Macht und Liebe, ein Grundproblem einer Psychopolitik. Internat. Zschr. Individpsychol., Wien, 1949, 18: 97; passim.—**Neves-Manta, I. de L.** Psicanálise da alma coletiva. Impr. méd., Rio, 1942, 18: No. 345, 25–41.—**Parsons, E. C.** Patterns for peace or war. Sc. Month., 1917, 5: 229–38.—**Phillips, D. E.** The psychology of war. Ibid., 1916, 3: 569–600.—**Poppelreuter, W.** Probleme der politischen Psychologie. Ber. Deut. Ges. Psychol. (1933) 1934, 13. Kongr., 59.—**Psicanalisi** e la guerra; corrispondenza tra Einstein e Freud. Policlinico, 1934, 41: sez. prat., 1815.—**Psychology** and the war; notes. Psychol. Bull., 1943, 40: 300–4.—**Riezler, K.** On the psychology of the modern revolution. Social Res., 1943, 10: 320–36.—**Roffenstein, G.** Zur Psychologie der politischen Meinung. Zschr. Völkerpsychol., 1927, 3: 385–412.—**Schreiber, J.** The interdependence of democracy and mental health. Ment. Hyg., Alb., 1945, 29: 606–21.—**Shaw, C. H.** Human behavior problems in wartime and in periods that follow. Welf. Bull., Springf., 1942, 33: No. 11, 24.—**Silberpfennig, J.** Psychological aspects of current Japanese and German paradoxa. Psychoanal. Rev., 1945, 32: 73–85.—**Stagner, R.** Psychological causes of war. Psychol. Bull., 1941, 38: 484–8.—**Strauss, E. B.** Psychological rearmament. S. Barth. Hosp. J., Lond., 1938–39, 46: 128–30.—**Sury, K. v.** Psychologische Aspekte der abendländischen Kulturpolitik. Schweiz. Zschr. Psychol., 1945, 4: 227–37.—**Tecoz, H. F.** Conquérir la sérénité. Praxis, Bern, 1943, 32: 254.—**Trotter, W.** The mind in war; democracy's chief advantage. In his Collect. Papers, Lond., 1941, 187–9.—**Veterans** think preparedness of little value for peace; united action to keep profits out of war believed more likely to avert conflict, psychologists are told. Science News Lett., 1938, 34: 182.—**West, R.** War; its origin in the minds of men. Lancet, Lond., 1950, 1: 414; passim.—**Whither?** and how? Psychiatry, Balt., 1942, 5: 93–9.—**Woinovich, v.** Zur Psychologie des Völkerkrieges. Deut. Rev., 1916, 4: 162.—**Wright, Q.** Analysis of psychological drives and motives. In his Study of War, Chic., 1942, 1: 519–26. ——— Public opinion and war. Ibid., 2: 1079–117. ——— Human nature and war. Ibid., 1198–224. ——— The analysis of war by social psychologists. Ibid., 1382–8.

—— Racial aspect.

Bérillon, J. E. E. La psychologie de la race allemande d'après ses caractères objectifs et spécifiques. p. 77–140. 25½cm. Par., 1917.
In: Conf Ass. fr. avance. sc. (1916–17) 1917.

British and German ideals; the meaning of the war. p. 1–119. 8° N. Y., 1914.
The Round Table, Sept. 1914, Mar., 1915.

Demiashkevich, M. J. The national mind: English, French, German. 508p. 23cm. N. Y., 1938.

Kraus, E. Krieg und Kultur in der Lebensgeschichte der Rasse. 19p. 8° Lpz., 1907.
Forms Heft 3, Beitr. Rassenk.

Behaviour (The) of Germany. Nature, Lond., 1941, 148: 477–80.—**Bühler, C.** Why do Germans so easily forfeit their freedom? J. Abnorm. Psychol., 1943, 38: 149–57.—**Cololian, P.** Un problème psychiatrique, l'âme allemande. Gaz. hôp., 1950, 123: 154–6.—**Erikson, E. H.** Hitler's imagery and German youth. In: Personality (Kluckhohn, C.) N. Y., 1949, 485–

510.—**Fleure, H. J.** Race and politics. Eugen. Rev., Lond., 1935–36, 27: 319.—**Fromm, E.** On the problems of German characterology. Tr. N. York Acad. Sc., 1942–43, Ser. 2, 5: 79–83.—**Hrdlička, A.** The German race. Sc. Month., 1943, 56: 238–49.—**Moellenhoff, F.** The price of individuality; speculations about German national characteristics. Am. Imago, 1946–47, 4: No. 2, 33–60.—**Roussy de Sales, R. de.** What makes a German. Atlantic Monthly, 1942, 169: No. 3, 335–44.—**Schirokauer, A., & Spitzer, L.** German words, German personality and protestantism again. Psychiatry. Balt., 1949, 12: 185–7.—**Tolstov, S. P.** [Racism and theory of cultural circles] Tr. Nauch. inst. antrop., Moskva, 1938, 4: 137–70.—**Why** Germans surrender. Science News Lett., 1943, 43: 342.

—— Religion and morality.

Bergen, H. B. Measuring wartime attitudes and morale. Personnel J., 1942–43, 21: 2–9.—**Ginsberg, M.** International law and morals. Nature, Lond., 1943, 151: 648 (Abstr.)—**King, J. L.** The evil things and the good; ways, means and aims of the war. Cath. M. Guard., Lond., 1939–40, 17: 168–81.—**Magalhães, J. B.** Las fuerzas morales en la guerra; importancia, aspectos y preparación. Rev. mil., B. Air., 1944, 44: 703–25.—**Money-Kyrle, R. E.** Some aspects of political ethics from the psycho-analytical point of view. Internat. J. Psychoanal., Lond., 1944, 25: 166–71.—**Moral** issues of the war. Nature, Lond., 1940, 146: 409–11.

—— Sexual aspect.

Hirschfeld, M. Mata Hari. In his Sex. Hist. World War, N. Y., 1937, 282–9. ——— The bestialization of man. Ibid., 304–25.—**Lippitt, R., & Zander, A.** A study of boy attitudes toward participation in the war effort. J. Social Psychol., 1943, 17: 309–25.—**Naujoks, H.** Kriegs- und Nachkriegsopfer der Frau. Deut. Gesundhwes., 1949, 4: 75.

—— Social pathology.

Flusser, E. Krieg als Krankheit. 150p. 8° Heide in Holstein, 1932.

Horowitz, M. S. *Essai sur l'influences des facteurs psychopathologiques sur les événements politiques. 31p. 8° Par., 1937.

Bauge, T. Nazisme og nazister fra psykiatrisk synspunkt. Tskr. Norske laegeforen., 1946, 66: 158–60.—**Biologie** und Herrenvolkpsychose. Praxis, Bern, 1945, 34: 758.—**Brickner, R. M.** The German cultural paranoid trend. Am. J. Orthopsychiat., 1942, 12: 611–32. Also Spanish transl., Rev. argent. neur. psiquiat., 1945, 10: 85–94.—**Brown, L. G.** War in social disorganization. In his Social Path.. N. Y., 1942, 564–84.—**Desoille, H.** Psychologie criminelle des hitlériens. Mem. Congr. panamer. med. leg. (1946) 1947, 1. Congr., 436–53. ——— & **Laffite, M. M.** [The same] Ann. méd. lég., 1947, 111–22.—**Donini, F.** Guerra moderna e patologia della popolazione civile. Rass. giuliana med., 1945, n. s., 1: 168–85.—**Endres, F. C.** Vom nächsten Krieg. Arch. Sozialwiss., 1928, 59: 48–74.—**Ford, J.** War. In his Social Deviat., N. Y., 1939, 542–59.—**Hamburger, A.** Wiedergutmachung gegenüber den Opfern des Nazismus. Pharm. Ztg, Berl., 1947, 83: 385–9.—**Kecskeméti, P., & Leites, N.** Some psychological hypotheses on Nazi Germany. J. Social Psychol., 1948, 27: 241; passim. **Kris, E.** The covenant of the gangsters. J. Crim. Psychopath., 1942–43, 4: 445–58.—**McGranahan, D. V., & Janowitz, M.** Studies of German youth. J. Abnorm. Psychol., 1946, 41: 3–14.—**Menninger, K. A.** Mass paranoia. In his Human Mind, N. Y., 1937, 88.—**Minkowski, E.** Les conséquences psychologiques et psychopathologiques de la guerre et du nazisme; aspect général du problème. Ann. méd. psychol., Par., 1947, 105: 433–5.—**Smith, G. H.** Predicting the end of the war. J. Abnorm. Psychol., 1947, 42: 393–401.—**Strasser, C.** Contribution à l'étude psychologique du crime cumulatif dans le nazisme et le fascisme. Ann. méd. psychol., Par., 1947, 105: 439.—**Thorner, I.** German words, German personality and Protestantism. Psychiatry, Balt., 1945, 8: 403–17.—**War** a mass drunkenness for escape from life. Science News Lett., 1941, 39: 13.

—— Sociology.

Beck, S. J. Problems of a war time society; the modification of pre-war patterns. Am. J. Orthopsychiat., 1943, 13: 596.—**Berge, W.** Freedom of speech in time of war. Bull. Am. Ass. Univ. Professors, 1942, 28: 239–46.—**Bernard, L. L.** Some social results of modern warfare. In his Introduct. Sociol., N. Y., 1942, 396–8.—**Biddle, F.** Civil rights in times of stress. Proc. Nat. Conf. Social Work, 1941, 68: 158–72.—**Bird, C.** Social interpretation of war. In his Social Psychol., N. Y., 1940, 515–30.—**Bossard, J. H. S.** War and the family. Am. Sociol. Rev., 1941, 6: 330–44.—**Britt, S. H.** The social psychology of World War II. Psychol. Bull., 1941, 38: 696.—**Cesarino Júnior, A. F.** Conquistas que a guerra não conseguirá destruir. Arq. polic. civ., S. Paulo, 1942, 3: 37–42.—**Dean, V. M.** Implications of the European situation for the United States. Proc. Nat. Conf. Social Work, 1940, 67: 50–60.—**Jacobson, A. C.** The effects of war on a nation. Med. Times, N. Y., 1915, 43: 146.—**Johnson, A.** War and the scholar. Social Res., 1942, 9: 1–3.—**Krueger, M. C.** Wartime social and economic adjustments. Pub. Health Nurs., 1942, 34: 353–60.—**Lasswell, H. D.** Chinese resistance to Japanese invasion; the predictive value of precrisis symbols. Am. J. Sociol., 1937–38, 43: 704–16.—**Lowrey, L. G.** Problems of a war time society; emergent problems; scientific and clinical resources. Am. J. Orthopsychiat., 1943, 13: 605–11.—**Mead, M.** Problems of a war time society; the modification of pre-war patterns; the cultural picture. Ibid., 596–9.—**Meerloo, A. M.** The impact of war on social life. In his Aftermath of Peace, 1946, 111–59.—**Morris, E. H.** From girlhood to womanhood in wartime. Nerv. Child, 1944–45, 4: 78–85.—**Musgrave, J. A.** War and social progress. Med. Off., Lond., 1943, 69: 101.—**Myres, J. L.** The impact of the war on peoples of non-European culture. Man, Lond., 1943, 43: 144.—**Park, R. E.** The social function of war; observation and notes. Am. J. Sociol., 1940–41, 46: 551–70.—**Ratio** of marriageable women and men disturbed by war. Texas J. M., 1940–41, 36: 242.—**Rauecker, B.** Sozialpolitische Folgewirkungen des Krieges. Aerztebl. Hessen, 1940, 8: 112.—**Reckless, W. C.** The impact of war on crime, delinquency, and prostitution. Am. J. Sociol., 1942–43, 48: 378–86.—**Results** of the war-time social survey. Lancet, Lond., 1940, 2: 305.—**Ross, E. A.** Estrangement in society. Am. J. Sociol., 1917, 23: 350–8.—**Saeger, G.** The effect of the war on our minority groups. Am. Sociol. Rev., 1943, 8: 15–22.—**Shaw, G. H.** Constructive potentials in the war time situation. Am. J. Orthopsychiat., 1943, 13: 590–5.—**Silver, A. H.** The outlook for America. Proc. Nat. Conf. Social Work. 1940, 67: 38–49.—**Social** biology in the war effort. J. Am. M. Ass., 1942, 119: 741.—**Social** environment and war problems; a planning council established. Brit. M. J., 1940, 1: 269.—**Social** Science Research Council; recently appointed Committee on the Social Aspects of war. Am. J. Sociol., 1941–42, 47: 983.—**Walsh, J. J.** The effects of war on a nation. Med. Times, N. Y., 1915, 43: 144.—**War** and social progress. Med. Off., Lond., 1942, 68: 145.—**War** and social reform. N. York State J. M., 1943, 43: 25; 117.—**Wartime** (The) social policy of Sweden. Med. J. Australia, 1943, 1: 540.—**Wright, Q.** Von Kleinsmid, R. B., & Martin, C. E: War and Society [Bk Rev.] Am. J. Sociol., 1941–42, 47: 1005. ——— The social disciplines and war. In his Study of War, Chic., 1942, 2: 701–16. ——— Social integration and war. Ibid., 1012–42.

—— Stereotypes.

Child, I. L., & Doob, L. W. Factors determining national stereotypes. J. Social Psychol., 1943, 17: 203–19.—**Creedy, F.** How national character is moulded by national customs and habits. In his Human Nature, Chapel Hill, 1939, 183–6.—**Edwards, A. L.** Four dimensions in political stereotypes. J. Abnorm. Psychol., 1940, 35: 566–72.—**Ginsberg, M.** National character. Brit. J. Psychol., 1941–42, 32: 183–205.—**Klineberg, O.** A science of national character. Am. Scientist, 1944, 32: 273–85. Also J. Social Psychol., 1944, 19: 147–62.—**Lerner, E.** Pathological Nazi stereotypes found in recent German technical journals. J. Psychol., Provincet., 1942, 13: 179–92.—**Lund, F. H., & Berg, W. C.** Identifiability of nationality characteristics. J. Social Psychol., 1946, 24: 77–83.—**National** character. Nature, Lond., 1941, 148: 31–3.—**Stagner, R., & Osgood, C. E.** Impact of war on a nationalistic frame of reference; changes in general approval and qualitative patterning of certain stereotypes. J. Social Psychol., 1946, 24: 187–215.

—— Studies.

Wright, Q. A study of war. 2v. 1552p. 23½cm. Chic., 1942.

—— Totalitarianism.

Brekenfeld, F. W. Wehrkraft und Siedlung 50p. 8° Lpz., 1937.
Forms H. 16, Staatsmed. Abh.

Brickner, R. M. Is Germany incurable? 318p. 21cm. Phila., 1943.

Bychowski, G. Dictators and disciples; from Caesar to Stalin; a psychoanalytic interpretation of history. 264p. 22cm. N. Y., 1948.

Crile, G. W. The fallacy of the German State philosophy. 32p. 17½cm. Garden City, 1918.

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Ødegård, O. Nazisme og mentalhygiene. 48p. 20cm. Oslo, 1946.

Peak, H. Observations on the characteristics and distribution of German Nazis. 44p. 25½cm. Wash., 1946.
Forms No. 6, v.59 (or, No. 276) Psychol. Monogr.

[Russia] Antifašistskij miting sovetskikh učënykh. 2. Mit., 1943 [Речи] 55p. 20cm. Moskva, 1943.

—— 3. Mit., 1944 [Speeches] 100p. 16½cm. Moskva, 1944.

Schaffner, B. H. Father land; a study of authoritarianism in the German family. 203p. 22cm. N. Y., 1948.

Weber, F. P. More thoughts of a doctor. No. 1: Communism. 14p. 22½cm. Lond., 1938.

Alexander, F. The emotional structure of totalitarianism. In his Our Age of Unreason, Phila., 1942, 264–70.—**Alexander, L.** Destructive and self-destructive trends in criminalized society; a study of totalitarianism. J. Crim., Chic., 1948–49, **39:** 553–64.—**Allport, G. W., Bruner, J. S., & Jandorf, E. M.** Personality under social catastrophe; 90 life-histories of the Nazi revolution. Character & Personality, 1941–42, **10:** 1–22.—**Ayres, J. C.** The Jap and the Nazi. Memphis M. J., 1943, **18:** 65–7.—**Bergmann, E.** Die Deutung des nationalsozialistischen Gedankens aus dem Geiste des Mutterrechts. Deut. Aerztebl., 1934, **64:** 35–7.—**Blome, K.** Das öffentliche Gesundheitswesen im nationalsozialistischen Staate. Ibid., 1936, **66:** 341–3.—**Brechbill, H.** Communism is not its name. Bull. Am. Ass. Univ. Professors, 1947, **33:** 702–5.—**Bresler, J.** Das englische Volk und der Bolschewismus. Psychiat. neur. Wschr., 1939, **41:** 205.—**Brickner, R. M.** Is Germany incurable? Atlantic Monthly, 1943, **171:** No. 3, 84–93.—**Bychowski, G.** The spiritual background of Hitlerism; analysis of the German mind. J. Crim. Psychopath., 1942–43, **4:** 579–98. Also in his Dictators & Disciples, N. Y., 1948, 117–40. ——— Origin and prevention of dictatorship. Ibid., 242–52.—**Edwards, A. L.** Unlabeled fascist attitudes. J. Abnorm. Psychol., 1941, **36:** 575–82. ——— The signs of incipient Fascism. Ibid., 1944, **39:** 301–16.—**Ephron, H. S.** Fascism; a challenge to mental hygiene. Am. J. Orthopsychiat., 1941, **11:** 652–61.—**Felkai, D.** Az októberi forradalom és az új ember kialakulása. Honvédorvos, 1950, **2:** 529–32.—**Focke.** Nationalsozialistischer Aufbau der ärztlichen Hilfsberufe in der Fachgruppe Gesundheit. Deut. Aerztebl., 1936, **66:** 349–51.—**Glueck, B.** The function of psychiatry in the garrison state. Ment. Hyg., Alb., 1942, **26:** 20–32.—**Gray, G. W.** The strategy of despotism. In his Science at War, 3. ed., N. Y., 1943, 263–5.—**Haldane, J. B. S.** The duties of a citizen of a criminal state. In his Adventures Biol., N. Y., 1940, 245–8.—**Hamburger, E.** A peculiar pattern of the fifth column; the organization of the German seamen. Social Res., 1942, **9:** 495–509.—**Hartmann, N.** German philosophy in the last 10 years. Mind, Lond., 1949, **58:** 413–33.—**Ingram, C. V., & Geldreich, E. W.** Fascist attitudes of K. S. T. C. students at Emporia. Tr. Kansas Acad. Sc., 1943, **46:** 204–11.—**Irvin, W.** Invincible Germany. Johns Hopkins Alumni Mag., 1941, **29:** 61–7, portr.—**Kaminski, H. E.** La noche nacionalsocialista de San Bartolomé. In his Nazismo, B. Air., 1940, 25–39.—**Kecskeméti, P., & Leites, N.** Some psychological hypotheses on Nazi Germany. J. Social Psychol., 1947, **26:** 141; passim.—**Kirchheimer, O.** The legal order of national socialism. Stud. Philos. & Social Sc., 1941, **9:** 456–75.—**Koellreutter.** Der deutsche Staat im nationalsozialistischen Weltbild. Deut. Aerztebl., 1934, **64:** 345–7.—**Krasilnikov, V.** Third annual meeting of the Anti-fascist Society of Soviet Scientists, Moscow, June 18, 1944. Nature, Lond., 1944, **154:** 246.—**Labor** conditions in Fascist Italy. Month. Labor Rev., 1943, **57:** 911–31, map.—**Lindsey, A. W.** The fallacy of communism. Ohio J. Sc., 1948, **48:** 169–75.—**McDonald, J. G.** After Hitler's triumph, what? Proc. Ass. Life Insur. Presid., 1938, **32:** 147–55.—**Mackenzie, M.** The aim of Nazi terrorism. In his Human Mind, Phila., 1941, 188. ——— Dictators and world domination. Ibid., 198–200.—**Mannheim, K.** Crisis, dictatorship, war. In his Man & Society, N. Y., 1940, 115–43.—**Maslow, A. H.** The authoritarian character structure. J. Social Psychol., 1943, **18:** 401–11.—**Mass** (The) psychology which menaces the world. J. Am. M. Ass., 1942, **118:** 62.—**Matas, R.** 1915–1941 and the years between, with special reference to the antagonism and perpetual menace of the old Imperial and the new Nazi Germany to the peace and security of the United States. Mississippi Doctor, 1941–42, **19:** 55–67.—**Mira, E.** Cruelty means weakness; psychiatrist sees evidence of Nazi weakness; penalties on civilians may indicate feeling that major opponent cannot be beaten; apathy toward victory is danger sign. Science News Lett., 1942, **42:** 332.—**Moellenhoff, F.** A projection returns and materializes; some observations about Nazi Germany. Am. Imago, 1942, **3:** No. 3, 3–13.—**Mustardé, J. C.** An introduction to the Axis. In his The Sun Stood Still, Lond., 1945, 4. impr., 45–61.—**Neustatter, W. L.** The psychology of Nazism. Guy's Hosp. Gaz., Lond., 1939, **53:** 327–9.—**O'Leary, M. G.** Democracy at the barricades. Proc. Ass. Life Insur. Presid., 1941, **35:** 20–9.—**Oliver, T.** The nemesis of pride and arrogance. J. R. Inst. Pub. Health, 1941, **4:** 116.—**Palyi, M.** Economic foundations of the German totalitarian state. Am. J. Sociol., 1940–41, **46:** 469–86.—**Perrotti, N.** La fobia del comunismo come simbolo dell'irruzione dell'es. Psicoanalisi, 1946, **2:** No. 2, 35–47. Also French transl., Psyché, Par., 1947, **2:** 1374–9. ——— Spiegazione psicoanalitica della fobia del comunismo. Clin. nuova, Roma, 1947, **4:** Varia, I–VII.—**Pighini, G.** Le basi biologiche della democrazia e dell'imperialismo. Riv. psicol., 1926, **22:** 49–78.—**Pollock, F.** Is national socialism a new order? Stud. Philos. & Social Sc., 1941, **9:** 440–55.—**Reich, W.** Fascist irrationalism. In his Funct. Orgasm, 1942, 203–20.—**Rosen, E.** George X; the self-analysis of an avowed fascist. J. Abnorm. Psychol., 1949, **44:** 528–40.—**Schonbar, R. A.** Students' attitudes toward communists; the relation between intensity of attitude and amount of information. J. Psychol., Provincet., 1949, **27:** 55–71.—**Schrieber, K. F.** Nationalsozialismus und Kultur. Deut. Aerztebl., 1934, **64:** 5.—**Schrickel, E., & Derstroff, H.** Nationalsozialistische Weltanschauung und Zahnheilkunde. Ibid., 1936, **66:** 346–8.—[**Scientists** (To the) of all countries] Microbiology, Moskva, 1941, **10:** 797.—**Spelt, D. K.** A study of unlabeled fascist attitudes in college students. Proc. Virginia Acad. Sc., 1943–44, **22:** 66.—**Stagner, R., & Katzoff, E. T.** Fascist attitudes; factor analysis of item correlations. J. Social Psychol., 1942, **16:** 3–9.—**Steinhoff.** Die Deutung des nationalsozialistischen Gedankens aus dem Geist des Vaterrechts. Deut. Aerztebl., 1934, **64:** 6–10. ——— Vaterrecht, Mutterrecht und Nationalsozialismus. Ibid., 232–4.—**Talbot, G. C.** This insane fear of communism. Q. Phi Beta Pi M., 1943–44, **40:** 86–8.—**Van Clute, W.** How fascism thwarts the life instinct; an application of psychoanalysis to current political phenomena. Am. J. Orthopsychiat., 1942, **12:** 335–7. **Viehweg, T.** Deutschland als Einheitsstaat. Deut. Aerztebl., 1934, **64:** 142.—**Warren, R. L.** Fascism and the Church. Am. Sociol. Rev., 1941, **6:** 45–51.—**White, J. S.** The character development of Ernest Psichari; a study on fascism in France. Psychiatry, Balt., 1944, **7:** 409–23.—**Wittenberg, R. M.** Children under the Nazi system; some facts for a social diagnosis. Am. J. Orthopsychiat., 1945, **15:** 442–53.

—— War types.

See also **War.**

Alcorta, J. F. Definición de la guerra. Rev. mil., La Paz, 1942, **6:** 373–8.—**Day, D. D., & Quackenbush, O. F.** Attitudes toward defensive, cooperative, and aggressive war. J. Social Psychol., 1942, **16:** 11–20.—**Haddon, A. C.** Warfare. Rep. Cambridge Anthrop. Exp. Torres Straits, Cambr., 1904, **5:** 298–307. ——— Quarrels and warfare. Ibid., 1908, **6:** 189–91.—**Koester, L., & Newman, S. C.** Language, culture, and total war. Am. Sociol. Rev., 1942, **7:** 426–8.—**Lauterbach, A.** The changing nature of war. In: Prelim. Rep. Com. Organiz. Peace, 1942, 22–8.—**Speier, H.** The social types of war. Am. J. Sociol., 1940–41, **46:** 445–54.—**Staubwasser, O.** Wie spielt sich der nächste Krieg ab? Umschau, 1925, **29:** 25.

MILITARY hospital.

See **Hospital; Hospital report,** in this section.

MILITARY medicine.

See also **Aeromedicine; Naval medicine; Surgery; Therapeutics.**

Bon, H. La médecine militaire. In his Précis d. méd. cath., Par., 1936, 565–74.—**Doan, H. W.** Military medicine. Bol. As. méd. Puerto Rico, 1940, **32:** 361–3.—**Engelbach, W.** Military medicine. Mississippi Valley M. J., 1917, **24:** 350–5.—**Farquharson, R. F.** Medicine. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 15–7.—**Fiessinger, N.** La médecine militaire. Rev. Serv. san. mil., Par., 1940, **112:** 219–22.—**Harris, M. S. T.** Military medicine. J. Mil. Serv. Inst. U. S., 1907, **40:** 459–65.—**Luna, V.** Military medicine. J. Philippine Islands M. Ass., 1937, **17:** 161–4.—**Michl, V.** [Concerning military medicine] Věst. česk. lék., 1922, **34:** 261.—**Military** medicine. Ther. Notes, Detr., 1942, **49:** 175–80.—**Patterson, R. U.** Military medicine. J. Oklahoma M. Ass., 1942, **35:** 277–82.—**Trambusti, A.** Medicina di guerra. Pensiero med., 1919, **9:** 1–4.—**War** medicine. War Med., Chic., 1941, **1:** 1.

—— Addresses.

Beteta, I. M. Mensaje al Ejército nacional. 11p. 8° Méx., 1937.

De Schweinitz, G. E. Address to the undergraduate medical societies of the School of Medicine of the University of Pennsylvania, April 18, 1918 [on military medicine in World War I] 10p. 23cm. Phila., 1918.

Also in Alumni Reg. Univ. Pennsylvania, 1918, June.

Abell, I. Address of the President. Mil. Surgeon, 1946, **99:** 745–8.—**Allocution** de M. le médecin général inspecteur Rouvillois, président. Bull. Soc. méd. mil. fr., 1936, **30:** 23.—**Cabra.** Discours. Liber mem. Congr. hist. art de guérir (1920) 1921, 1. Congr., 21–3.—**Kerr, H. H.** Once again; address of the President. Tr. South. Surg. Ass. (1941) 1942, **54:** 1–7.—**Kirk, N. T.** Address. J. Am. M. Ass., 1944, **125:** 654. ——— Address to the Military Surgeons. Mil. Surgeon, 1946, **99:** 749–52.—**Littauer, L. N.** Address. Med. Bull., N. Y., 1941–42, **7:** 112.—**Moore, A. E.** Presidential address. N. Zealand M. J., 1946, **45:** 204–12.—**Souza Ferreira, J. A. de.** Discurso. Gaz. clín., S. Paulo, 1943, **41:** 372.—**Wagner, J. G.** An address. Med. J. Australia, 1941, **1:** 1–3.—**Williamson, G. C.** President's address; surgery of the civil war. J. Tennessee M. Ass., 1938, **31:** 165–71.

—— Bibliographies, abstracts and reviews, etc.

Boston, Mass. Treadwell Library. War bibliography. v. p. 37½cm. Bost., 1918.

Körting, G. F. Aus der Literatur des Militärsanitätswesens, 1907. p. 59–88. 25cm. Berl., 1908.
In: Beih. med. Klin., 1908, **4**:

Makarov, I. D., & Starokadomsky, L. M. Зарубежная военная медицина; сборник рефератов зарубежных журнальных статей 1943–45 гг. ч. 1. 206p. 20½cm. Moskva, 1946.

Araujo Filho, M. Medicina de guerra; relação bibliográfica de 1939–42. Rev. med. cir. Brasil, 1942, **50**: No. espec., 188–215.—**Bibliography**; publications by investigators on OSRD/CMR contracts. In: Advance. Mil. Med., Bost., 1948, **2**: 755–882.—**Bibliography** of war medicine. Bull. M. Libr. Ass., 1943, **31**: 92–6.—**Bibliography** of war medicine and surgery. Bull. Am. Coll. Surgeons, 1942, **27**: 179; 225; 1943, **28**: 227; 1945, **30**: 152; 1946, **31**: 45.—**Documentation** et index bibliographique concernant les armées étrangères. Rev. Serv. san. mil., Par., 1938, **108**: 810–25.—**Ferrari, R. P.** Aus dem ausländischen wehrmedizinischen Schrifttum. Med. Klin., Berl., 1940, **36**: 1371–3. ——— Wehrmedizin. Ibid., 1941, **37**: 818–20. ——— Militärmedizinisches aus dem Auslande. Deut. med. Wschr., 1942, **68**: 707–10. ——— Wehrmedizin, aus dem italienischen Schrifttum. Med. Klin., Berl., 1942, **38**: 206–8.—**Frenkel, A. B.** [Medical defense, a review; field surgery, blood transfusion, traumatology] Vrach. delo, 1941, **23**: 461–6.—**Handloser.** Wehrmedizin. Wien. klin. Wschr., 1939, **52**: 1–4.—**Heuss, R. v.** Rundschau: Wehrmedizin. Jahrkurs. ärztl. Fortbild., 1938, **29**: H. 6, 25; 1939, **30**: H. 6, 37; 1940, **31**: H. 6, 28. ——— Rundschau: Kriegsmedizin. Ibid., 1943, **34**: H. 6, 31–61; 1944, **35**: No. 9–10, 7.—[**List** of military medical literature published during the second year of the war] Voen. san. delo, 1943, No. 7, 58–60.—**Makarov, I. D.** Bibliografija po voennoj medicine za gody Velikoj otečestvennoj vojny; 1941–45 gg. Voen. med. J., Moskva, 1946, 51–8. ——— Bibliografija po voennoj medicine za gody 1941–45; medicinskie kadry i ikh podgotovka; sanitarnaja podgotovka vojsk. Ibid., 1946, No. 6, 47. ——— [The same] Učebniki, rukovodstva, posobija, nastavlenija, ukazanija, instrukcii i spravočniki. Ibid., No. 9, 50–6. ——— [The same] Ranevye infekcii. Ibid., 1947, No. 4, 55; No. 5, 58. ——— [The same] Inorodnye tela. Ibid., No. 5, 60–2. ——— [The same] Otmorozhenija. Ibid., 62; No. 6, 58. ——— [The same] Povrezhdenija krupnykh sosudov. Ibid., No. 7, 50–3. ——— [The same] Transportnaja immobilizacija. Ibid., 53–6. ——— [The same] Vosstanovitelnaja khirurgia. Ibid., 56–9. ——— [The same] Povreždennia ćerepa i golovnogo mozga. Ibid., No. 10, 51–4.—**Multanovsky, M.** Literatura voenno-medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 542–53. ——— Obšćie i medicinskie bibliografičeskie izdanija kak istoćniki po literature voenno-medicinskoj. Ibid., 549–51. ——— Specialnaja bibliografija literatury voenno-medicinskoj. Ibid., 552.—**Publications** in the Mayo Clinic Library on military and surgical subjects related to the war. Proc. Mayo Clin., 1943, **18**: 172; 190.—**Recent** publications related to military medicine and national defense. Bull. M. Libr. Ass., 1941–42, **30**: 160.—**Riku-gun** gun-i gakkō gakusei sankō-syo [Reference books for the students in the Army medical schools] Gun idan zassi, 1925, No. 143, 647–66.—**Section** (The) of military medicine. Canad. M. Ass. J., 1935, **32**: 443.—**Selected** list of articles, notes, editorials, annotations, and books relating to war work and war medicine. Ibid., 1940, **43**: 75.—**Steiner, J.** Die Wehrmedizin in der Wiener medizinischen Wochenschrift. Wien. med. Wschr., 1940, **90**: 23; 58.—**Szabó, E.** [Review of the recent military medical literature with special reference to service on the battlefield] Orv. hetil., 1940, **84**: 65–7.—**Tichý, F.** Militärärztliche Literatur aus der zweiten Hälfte des 18. Jahrhunderts. Militärarzt, 1908, **42**: 329.—**War** literature. Canad. M. Ass. J., 1940, **43**: 489.

—— Collected papers.

Pugh, W. S. War medicine; a symposium. 565p. 23½cm. N. Y., 1942.

—— Committees, international.

Annuaire des chefs des services de santé des armées; 1938–39. 2v. 8p.; 8p. 24½cm. Liége.

Liége, Belgium. Office international de documentation de médecine militaire. Quatrième session, Liége, 1934. 269p. 25cm. Brux., 1936.

—— Cinquième session, Bruxelles, 1935. 143p. 25cm. Liége, 1937.

—— Sixième session, Genève, Oct. 12–14, 1936. 291p. 25½cm. Liége, 1936.

—— Septième session, Bucarest, 1937. 261p. 24½cm. Liége, 1938.

—— Huitième session, Luxembourg, 1938. 396p. 25cm. Liége, 1938.

Butoianu, M., & Radulescu, D. [Report of the 4th session of the International Office of Medical-Military Documentation] Rev. san. mil., Bucur., 1934, **33**: 507–18.—**Comité** International (XI.) de médecine et de pharmacie militaire, Augustus 1948, Stockholm. Ned. tschr. geneesk., 1948, **92**: 4049.—**Comité** permanent des Congrès internationaux de médecine et de pharmacie militaires. Arch. méd. belges, 1936, **89**: Bull. internat., 741–54.—**Congresso** (X.) internazionale di medicina e farmacia militare, Washington 7–15 maggio 1939, e IX. Sessione dell'Ufficio internazionale di documentazione di medicina militare, New-York 15–19 maggio 1939. Ann. med. nav., Roma, 1939, **45**: 551–62.—**Des Cilleuls, J.** Session de l'Office international de documentation de médecine et de pharmacie militaires. Gaz. hôp., 1937, **110**: 991. ——— La huitième session de conférences du Comité international médecine militaire, Luxembourg, 1–4 juillet 1938. Rev. Serv. san. mil., Par., 1938, **109**: 529–46. ——— La neuvième session de conférences du Comité international de médecine militaire; Washington-New York, 15–20 Mai 1939. Ibid., 1939, **111**: 583–96.—**Desfosses, P.** La quatrième session de l'Office international de documentation de médecine militaire. Presse méd., 1934, **42**: 1237.—**Deveze, A.** Committee permament of the International congresses of military medicine and pharmacy. Arch. méd. belge, 1934, **87**: Bull. internat., 507–10.—**Huitième** session de conférences du Comité international de médecine et de pharmacie militaires; Luxembourg, 1–4 juillet 1938. Bull. internat. Serv. santé, Liége, 1938, **11**: 368–99.—**Lopes, F.** Comité internacional de medicina e de farmácia militares. J. méd., Pôrto, 1947, **9**: 190.—**Meeting** of International Bureau of Bibliography of Military Medicine. J. Am. M. Ass., 1934, **103**: 1005–7.—**Milovanović, Z. B.** [Report of the session of the International Office of Military-Medical Documentation, Bucurest, June, 1937] Voj. san. glasnik, 1939, **10**: 733–9.—**Mordagne, M.** Deuxième session de l'Office international de documentation médico-militaire. Presse méd., 1932, **40**: 1185.—**Quarto** sessão da Repartição internacional de documentação de medicina militar; Liège, 27–30 de Junho, 1934. Hospital, Rio, 1934, **6**: 762.—**Quatrième** session de l'Office international de documentation de médecine militaire. Arch. méd. belge, 1934, **87**: Bull. internat., 399–437. Also Bruxelles méd., 1933–34, **14**: 1185; 1217; 1248.—**Rapport** de la Commission médico-juridique du Comité international de médecine et de pharmacie militaires réunie à Liége, les 5, 6 et 7 mai 1947, la révision des conventions humanitaires. Bull. internat. Serv. santé, Liége, 1947, **20**: 285–311.—**Rapport** de la 11. session de conférences du Comité international de médecine et de pharmacie militaires, Stockholm, 18–19 août 1948. Ibid, 1948, **21**: 217–24.—**Réunion** du Comité permanent des Congrès internationaux de médecine et de pharmacie militaires. Arch. méd. belges, 1935, **88**: Bull. internat., 464–89.—**Sabrié, L. E. F. R.** La sixième session de l'Office international de documentation de médecine militaire; Genève, 1936. Rev. Serv. santé mil., Par., 1937, **106**: 407–24. ——— La septième session de l'Office international de documentation de médecine, militaire; Bucarest, Sinaïa, Brason. Ibid., **107**: 913–26.—**Sayers, M. H. P.** International Committee on Military Medicine and Pharmacy. J. R. Army M. Corps, 1949, **92**: 42–4.—**Sillevaerts, C.** Huitième session de conférences du Comité international de médecine militaire. Bruxelles méd., 1937–38, **18**: 1232–4.—**Sixième** session de l'Office international de documentation de médicine militaire, Génève 1936. Ann. med. nav., Roma, 1939, **45**: 65–7.—**Troisième** session de l'Officc international de Documentation de Médecine militaire. Arch. méd. belges, 1933, **86**: Bull. internat., 407–9.—**Voncken, J.** Neuvième session de l'Office international de documentation de médecine militaire tenue à New-York du 15 au 19 mai 1939. Bruxelles méd., 1938–39, **19**: 1277; 1375. ——— Le Comité international de médecine et de pharmacie militaires. Méd. & hyg., Genève, 1947, **5**: 171.—**Work** (The) of the International Committee. Proc. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 265–93.

—— Congresses.

Ferrara, Italy. Accademia delle scienze mediche e naturali di Ferrara. Atti della riunioni medico-militari istituite. Fasc. 1–3. 3v. 24cm. Ferrara, 1916–17.

[Great Britain] Conference of Medical Specialists of Eastern Army. Proceedings. 88p. 25cm. Calc., 1943.

Inter-Allied Conferences on War Medicine. Inter-Allied Conferences on War Medicine, 1942–45, convened by the Royal Society of Medicine. 531p. 23cm. Lond., 1947.

[Interallied] Congrès médical interallié [1944] Sommaire [programme] p.189–203. 25½cm. Alger, 1948.
In: Anniv. Inst. hyg. &c. Afrique du Nord, Alger, 1948.

Medical meeting at Kut-el-Amarah. Ind. M. Gaz., 1917, 52: 68–71.—**Palmer, J.** No. 14 Canadian General Hospital, R. C. A. M. C. (overseas) the March, 1943, inter-hospital clinical meeting. J. Canad. M. Serv., 1943–44, 1: 30.—**Prvom** (O) kongresu partizanskih lekara. Voj. san. pregl., Beogr., 1948, 5: 345–53.—**Raif Ferit Bayburt** [Winter conferences in the Bahkesir garrison] Askeri sihhiye mecmuasi, 1936, 65: 19–32.—**Troisième** Congrès des médecins de l'Armée yougoslave, Belgrade, 16–20 décembre 1945. Rev. Corps san. milit., 1946, 2: 137–58.

—— Congresses—Germany.

[Germany] Arbeitstagung Ost der beratenden Fachärzte. Bericht [1.–4. Tagung] 4v. 21cm. Berl. [?] 1942–44.

—— [The same] Conference of the medical consultants to the Wehrmacht. Report [1.–4. Conf.] 9v. 33½cm. n. p., 1948.

Forms pts 2–10, Proj. 1, Med. Sect. U. S. Naval Techn. Unit Europe.

[Germany] Kriegstagung der beratenden Fachärzte [1. Tag., 1940] Bericht. 146p. 20cm. Berl., 1940.

Germany. Marinestation der Nordsee. Sanitätsamt. Bericht über die Aerztlich-wissenschaftliche Tagung des Sanitätsamtes der Marinestation der Nordsee in Den Haag-Scheveningen vom 25. bis 28. Juni, 1941. 250p. 24cm. Berl., 1942.

Grossheim. Ansprache bei Wiedereröffnung der Kriegsärztlichen Abende in Berlin am 9. November 1915. Kriegsärztl. Vortr., Jena, 1916, Teil 3, 1–5. ——— Einleitende Worte beim Beginn des dritten Jahrganges der Kriegsärztlichen Abende am 7. Nov. 1916. Ibid., 1919, Teil 6, 1–5.—**Vollenweider.** Bericht über die allgemeine Sanitätsoffizierskonferenz, abgehalten in Olten, den 9. November 1924. Vjschr. schweiz. Sanitätsoff., 1925, 2: 3–5.—**Walther, G.** Die Ergebnisse der Tagung der beratenden Aerzte am 3. und 4. Januar 1940 in der Militärärztlichen Akademie zu Berlin. Deut. Militärarzt. 1940, 5: 127–30.

—— Congresses—France.

Des Cilleuls. Trois journées à la gloire du Service de santé; Lyon, Juin 1938. 56p. 8° Liége, 1938.

Also Arch. belg. Serv. san. armée, 1938, 91: 196; 236.

France. Armée (1) française. Réunions médico-chirurgicales de la 1ère Armée française, 4 novembre 44–Besançon, 25 février 45–Belfort. 170p. 23½cm. Alger, 1946.

Forms Spec. No., Algérie méd. & Afrique fr. chir.

Congrès médico-militaire du Haut-Rhin, 22–24 mai 1948. Strasbourg méd., 1948, 108: 67.—**Congrès** médico-militaire de la VI région militaire. Ibid., 145.—**Discours** du General-Major médecin Declercq. Bruxelles méd., 1934–35, 15: Suppl., 29.—**Francusko-Polski** zjazd lekarski w Warszawie. Lek. wojsk., 1921, 2: 1379–82.—**Journées** d'études de l'Hôpital militaire d'instruction Percy, 1–3 juin 1948. Rev. Corps san. mil., Par., 1948, 4: 369–71.—**Réunion** médico-chirurgicale de la Ne Armée; séance du 4 avril 1940. Progr. méd., Par., 1940, pt 1, 416–20.

—— Congresses, international.

Bainbridge, W. S. Report on the ... International congress of military medicine and pharmacy [2.–9. Congr., 1923–37] 9v. 8° Wash., 1925–37.

Repr. from corresponding volumes of Military Surgeon.

Bainbridge, W. S. Activities of military surgeons in the international congresses of military medicine and pharmacy. J. Internat. Coll. Surgeons, 1939, 2: 249–51. Also Mil. Surg. 1939, 85: 211–6.—**Des Cilleuls, J.** A propos du Congrès international sur le service médical des armées en campagne, Paris, 12–14 août 1878. Bull. internat. Serv. santé, Liége, 1939, 12: 713–22.—**Historique** et but des Congrès internationaux de médecine et de pharmacie militaires. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 25–9.—**Imbriaco, P.** Relazione circa il Congresso internazionale dei medici militari tenutosi a St. Louis nell'ottobre, 1904. Gior. med. esercito, 1905, 53: 665–84.—**Senn, N.** The needs and advantages of an International Congress of Military Surgeons. J. Ass. Mil. Surg. U. S., 1905, 17: 1–8.—**Soler y Garde, F.** Los Congresos internacionales de medicina y farmacia militares en relación con los grandes problemas sanitarios de los ejércitos. An. Acad. med. cir., Barcelona, 1931, 172–81.—**Steiner, J.** Ueber den internationalen militärärztlichen Kongress zu St. Louis im Oktober 1904. Militärarzt, 1905, 39: 81–3.—**Thomann.** Internationaler militärmedizinisch-juristischer Kongress in Monaco, 12.–14. Februar 1936. Vjschr. schweiz. Sanitätsoff., 1936, 13: 48–50.—**Voncken, J.** Les congrès internationaux de médecine et de pharmacie militaires. Méd. & hyg., Genève, 1947, 5: 184. Also Paris méd., 1947, 37: No. 38, VI.

—— Congresses, international—1. Congr., 1921, Bruxelles.

Bainbridge, W. S. Report on Congrès international de médecine et de pharmacie militaires. p. 935–1072. 23cm. Wash., 1922.

Also forms No. 6, v. 17, U. S. Naval M. Bull.

Bainbridge, W. S. A brief summary of the Congrès international de médecine et de pharmacie militaires. Mil. Surgeon, 1922, 51: 614–9.—**Ferreira, S.** O Congresso de medicina e de pharmacia militares reunido em Bruxellas. Rev. med. hyg. mil., Rio, 1922, 8: 47; 71.—**Internationaler** Kongress der Militärärzte und Militärapotheker. Schweiz. Apoth. Ztg. 1922, 60: 324.—**Ovidio, R. d'.** Los votos del primero Congreso internacional de medicina y farmacia militares y la sanidad militar argentina. Atti Congr. internaz. med. farm. mil., 1923, 2: 463–9.—**Reichborn-Kjennerud** [The International Congress of Military Medicine at Brussels, July 15–20, 1921] Norsk tskr. mil. med., 1921, 25: 107–17.—**Thomann.** Der internationale Kongress für Militärmedizin und Militärpharmazie. Vjschr. schweiz. Sanitätsoff., 1924, 1: 41–7.

—— Congresses, international—2. Congr., 1923, Roma.

International congress of military medicine and pharmacy [2. Congr., 1923] Atti. 2v. in 1. 411p.; 585p. 8° Roma, 1923.

Congrès (2.) international de médecine et pharmacie militaires. Schweiz. Apoth. Ztg, 1923, 61: 165–7.—**Deuxième** Congrès international de médecine et de pharmacie militaires. Presse méd., 1925, 33: 509.—**Ferraro, D.** Relazione sul 2. Congresso internazionale di medicina e farmacia militare. Ann. med. nav., Roma, 1923, 2: 31–53.

—— Congresses, international—3. Congr., 1925, Paris.

Congrès (3.) international de médecine et de pharmacie militaire à Paris. Vjschr. schweiz. Sanitätsoff., 1925, 2: 5–8.—**Congrès** (3.) international de médecine et pharmacie militaires, Paris, Val-de-Grâce, 20–25 avril 1925. J. dent. belge, 1924, 15: 314.—**Jeanbrau & Spire.** Troisième Congrès international de médecine et pharmacie militaires. Gaz. hôp., 1925, 98: 565–74.—**Le Tanneur.** L'exposition médicale du Val-de-Grâce au 3. Congrès international de médecine et de pharmacie militaires. Presse méd., 1925, 33: 581.—**Levene, A.** Informe y trabajo presentado por la delegación argentina ante el III Congreso internacional de medicina y farmacia militares. Rev. san. mil., B. Air., 1925, 24: 63–117.—**Thomann.** Der dritte internationale Kongress de médecine et de pharmacie militaires in Paris, vom 20.–25. April 1925. Vjschr. schweiz. Sanitätsoff., 1925, 2: 51–8.—**Troisième** Congrès international de médecine et de pharmacie militaires. Presse méd., 1925, 32: 563; passim.—**Troisième** Congrès international de médecine & pharmacie militaires: spécialisation technique. Gaz. hôp., 1925, 98: 637–40.

—— Congresses, international—4. Congr., 1927, Warszawa.

International congress of military medicine and pharmacy [4. Congr., 1927] Portrait album. 13 x 9.25cm. Warsz., 1927.

—— Rapports. 2v. 346p.; 576p. 8° Warsz., 1927–28.

Referáty o vědeckých zchůzich IV. mezinárodního kongresu vojenských lékařů a lékárníku. Voj. zdrav. listy, 1927, 3: 141–54.—**Trenkler, R.** Ctvrtý mezinárodní kongres vojenských lékařů a lékárníku ve Varšavě. Ibid., 128–41. Also Věst. česk. lék., 1927, 39: 533–5.

—— Congresses, international—5. Congr., 1929, London.

International congress of military medicine and pharmacy [5. Congr., 1929] Programme. 20p. 25½cm. Lond., 1929.

—— Official report. 153p. 24½cm. Lond., 1929.

—— [Reports] 367p. 25cm. Lond., 1929.

—— Congresses, international—6. Congr., 1931, 's-Gravenhage.

[International] Congrès international de médecine et de pharmacie militaires [6. Congr., 's-Gravenhage, June, 1931] Banquet d'adieu. 1 fold. l. 30cm. La Haye, 1931.

—— Invitation. 2 l. 8°. Hague, 1931.

—— Liste des membres. 27p. 8°. La Haye, 1931.

—— Provisional programme. 12p. 18½cm. La Haye, 1931.

—— Programme. 14p. 18½cm. La Haye, 1931.

Japan. War Office. Reports to the Questions at the study of the 6th International congress of military medicine and pharmacy concerned to Japan. 23p. 21cm. Tokio, 1931.

Congrès (6.) international de médecine et de pharmacie militaires, La Haye, 1–6 juin 1931. Algérie méd., 1930, **34**: prof., 240.

—— Congresses, international—7. Congr., 1933, Madrid.

International congress of military medicine and pharmacy [7. Congr., 1933] [Publication] 6 pts. paged separately. 8°. Madr., 1934.

Assemblée internationale des chefs des Services de santé des Armées. Arch. méd. belge, 1933, **86**: Bull. internat., 403–7.—**Congress** of military medicine, Madrid, May 29th–June 4th. Lancet, Lond., 1933, **1**: 40.—**Fischer, L.** [Seventh International congress of the military surgeons and pharmacists in Madrid] Voj. zdravot. listy, 1933, **9**: 140–58.—**Internationella** (7.) kongressen för militärmedicin och farmaci. Nord. med. tskr., 1933, **5**: 386.—**Międzynarodowy** (VII) zjazd medycyny i farmacji wojskowej w Madrycie. Lek. wojsk., 1933, **22**: 133–44.—**Moulinier, L.** Congrès international de médecine et pharmacie militaires de Madrid. J. méd. Bordeaux, 1933, **110**: 531.—**Schickelé.** VII^e^ Congrès international de médecine et de pharmacie militaires; les enseignements du Congrès. Gaz. hôp., 1933, **106**: 1141–3.—**Septimo** Congreso internacional de medicina y farmacía militares. Bol. farm. mil., Madr., 1933, **11**: 209; passim.—**Settimo** Congresso internazionale di medicina e farmacia militare. Gior. med. mil., 1933, **81**: 517–43.

—— Congresses, international—8. Congr., 1935, Bruxelles.

International congress of military medicine and pharmacy [8. Congr., 1935] Comptes rendus des séances; rapports officiels. 2v. in 1. 442p.; 215p. 23cm. Brux., 1935.

Bouyssou, J. J. D. Le huitième Congrès international de médecine et de pharmacie militaires. Arch. méd. pharm. mil., 1935, **103**: 563–78.—**Congrès** (8.) international de médecine et de pharmacie militaires. Arch. méd. belges, 1935, **88**: 129–43, 5 portr. Also Presse méd., 1935, **43**: 1301. Also Vjschr. schweiz. Sanitätsoff., 1935, **12**: 55–9.—**Congress** of military medicine and pharmacy. Brit. M. J., 1935, **2**: 305.—**Gamo Martin, E.** El VIII Congreso internacional de medicina y farmacía militares. Bol. farm. mil., Madr., 1935, **13**: 241; 277; 305.—**Internationella** (8.) kongressen för militärmedicin och -farmaci. Nord. med. tskr., 1935, **9**: 984.—**Marshall, G. S.** Report of the eighth International Congress of Military Medicine and Pharmacy. J. R. Army M. Corps, 1935, **65**: 252–5.—**Saugman, E., & Scheuermann, H** [VIII. Congrès international de médecine et de pharmacie militaire] Militaerlaegen, 1935, **41**: 257–73.—**Sillevaerts.** Le huitième Congrès international de médecine et de pharmacie militaires. Bruxelles méd., 1934–35, **15**: 993; 1096.

—— Congresses, international—9. Congr., 1937, Bucureşti.

[International] Congrès international de médecine et de pharmacie militaires [9. Congr. Bucuresti, June 2–10, 1937] Programme. 43p. 23cm. Bucur., 1937.

—— T. 2: Festivités, discussion des rapports et communications. 328p. 24cm. Craiova, 1937.

Barre, C. [The ninth International congress for military medicine and pharmacy in Bucarest, 1937] Tskr. mil. hälsov., 1938, **63**: 109–27.—**Congrès** international de médecine et de pharmacie militaires, 2–10 juin 1937. Bull. internat. Serv. santé, Liége, 1937, **10**: 2; 85; 147.—**Congrès** de médecine et de pharmacie militaires de Bucarest, 2–10, juin 1937. Lyon méd., 1937, **159**: 376.—**Des Cilleuls, J.** Les enseignements du neuvième Congrès international de médecine et de pharmacie militaires. Gaz. hôp., 1937, **110**: 912–4.—**Georgevic, A.** [Ninth International congress of military medicine and pharmacy and seventh session of the International office of medico-military documentation] Voj. san. glasnik. 1937, **8**: 473–8.—**Jones, H. W.** Delegate-at-large; Bucharest, Geneva, Göttingen. Army M. Bull., 1937, No. 42, 25–38. Also Mil. Surgeon, 1937, **81**: 431–42, portr.—**Konopka, S.** [Report of the ninth International congress of military medicine and pharmacy] Lek. wojsk., 1937, **30**: 170–90.—**Marinescu, N.** [IX International Congress of military medicine and pharmacy] România med., 1937, **15**: 168–90.—**Military** medicine and pharmacy; ninth international congress. Brit. M. J., 1937, **2**: 218.—**Muntsch, O.** Neunte internationaler Kongress für Militärmedizin und Pharmazie. Med. Welt, 1937, **11**: 1009.—**Ninth** International congress of military surgeons and pharmacists. J. R. Army M. Corps, 1937, **69**: 265.—**Scheuermann** [Ninth International congress of military medicine in Bucharest] Militaerlaegen, 1937, **43**: 522–4.

—— Congresses, international—10. Congr., 1939, Washington.

International Congress of Military Medicine and Pharmacy [10. Congr., 1939] Official program. 32p. 23cm. Wash., 1939.

—— [Program] 16p. 29cm. Wash., 1939.

—— Official reports, v.1; Proceedings, v.2, 2v. in 1. 363p.; 303p. 23½cm. Wash., 1939.

—— [Actas] 16p. 29 x 22cm. Wash., 1939.

Bainbridge, W. S. The International congress of military medicine and pharmacy. Med. Woman J., 1939, **46**: 102–4.—**Congrès** (10.) international de médecine et de pharmacie militaires, Washington, 1939. Bull. internat. Serv. santé, Liége, 1938, **11**: 435; passim. Also Gaz. hôp., 1939, **112**: 1091; 1109. Also Rev. Serv. san. mil., Par., 1939, **110**: 363–6.—**Congrès** (10.) international de médecine et de pharmacie militaires, Washington, du 7 au 15 mai 1939; 9. session de l'Office international de documentation de médecine militaire, New York, du 15 au 19 mai 1939. Paris méd., 1939, **114**: 109–12.—**Dabney, A. S.** The Tenth International congress of military medicine and pharmacy. Army M. Bull., 1939, **47**: 19–26.—**Des Cilleuls, J. M.** Le X^e^ Congrès international de médecine et de pharmacie militaires. Rev. Serv. san. mil., Par., 1939, **111**: 561–82, 4 pl.—**Farewell** banquet in honor of the tenth international congress of military medicine and pharmacy, the Waldorf-Astoria, May 8, 1939; group photograph: Col. Harold W. Jones and others. See Collection of photographs in Library.—**Hartleben.** Bericht über die Teilnahme einer Abordnung deutscher Sanitätsoffiziere am 10. Internationalen Kongress for Militärmedizin in Washington und New York vom 7. bis 20. 5. 39. Deut. Militärarzt, 1939, **4**: 390.—**Marques Porto, E.** Impressões do X. Congresso internacional de medicina e farmácia militares. Rev. med. mil., Rio, 1939, **28**: 309–33.—**Patry, G.** Le dixième Congrès international de médecine et de pharmacie militaires, Washington, 7–15 mai 1939. Rev. internat. Croix Rouge, 1939, **21**: 451–7.—**Rapport** sur le X^e^ Congrès international de médecine et de pharmacie militaires tenu à Washington du 7 au 15 mai 1939 et sur la 9^e^ session de l'Office international de documentation de médecine militaire tenue à New-York du 15 au 19 mai 1939. Bull. internat. Serv. santé, Liége, 1939, **12**: 363–96.—**Reitano, U.** X Congresso internazionale di medicina militare. Gior. med. mil., 1939, **87**: 563–9.—**Tenth** Congress of military medicine and pharmacy. Virginia M. Month., 1939, **66**: 253.—**Tenth** (the) International congress of military medicine and pharmacy. Army M. Bull., 1938, **46**: 39; 1939, **49**: 31. Also Bull. Panamer. Union, 1939, **73**: 247–8. Also Mil. Surgeon, 1938, **83**: 267. Also U. S. Nav. M. Bull., 1939, **37**: 317.

—— Congresses, international—11. Congr., 1947, Basel.

International congress of military medicine and pharmacy [11. Congr., 1947] Programme provisoire. 39p. 21cm. Bern, 1947 [?]

—— Programme. 92p. 21cm. Berne, 1947.

—— [Verhandlungen] 150p. 23cm. Basel, 1947.

Forms Spec. No. of v. 24, Vjschr. schweiz. Sanitätsoff.

—— [Rapports] v. 1: Rapports officiels. 293p. 24½cm. Bâle, 1947.

—— [Rapports] v. 2: Compte-rendu général; discussions des rapports et communications. 409p. (incl. adv.) 24½cm. Basel, 1948.

Congrès international de médecine et de pharmacie militaires. Arch. Serv. san. Armée belge, 1946, **99**: 342; 1947, **100**: 54. Also Arch. méd. belges, 1947, **2**: 100. Also Bruxelles méd., 1946, **26**: 1545; 1947, **27**: 869; 1811. Also Bull. internat. Serv. santé, Liége, 1947, **20**: 271–84. Also Méd. aéronaut., 1947, **2**: 364–7. Also Pharmaceutica, Brux., 1947, **3**: 114; 289. Also

Schweiz. Aerztezig, 1947, 28: 82. Also Vjschr. schweiz. Sanitätsoff., 1947, 24: 47; passim.—**Congreso** (XI) internacional de medicina y de farmacia militares. Rev. san. mil. argent., 1947, 46: 730; 1948, 47: 271.—**Congreso** (XI) internacional de medicina y farmacia militares; conclusiones. Rev. san. mil., Lima, 1947, 20: 119–23.—**Congresso** internacional de medicina e de farmácia militares. Rev. med. mil., Rio, 1947, 36: 126; 225.—**Congresso** internazionale di medicina e farmacia militare. Ann. igiene, 1947, 57: 142. Also Ann. med. nav., Roma, 1947, 52: 139; 255. Also Gior. med. mil., 1947, 94: 236–44. Also Riv. med. aeronaut., 1947, 10: 441–8, tab.—**Hume, E. E.** The 11. International congress of military medicine and pharmacy. Bull. U. S. Army M. Dep., 1948, 8: 81–4.—**International** (11.) congress of military medicine and pharmacy. J. Internat. Coll. Surgeons, 1947, 10: 337. Also Mil. Surgeon, 1947, 100: 368.—**Internationaler** (XI) kongres for militaermedicin og pharmaci i Basel. Militaerlaegen, 1947, 53: 44–51.—**Internationaler** Kongress für Militärmedizin. Praxis, Bern, 1947, 36: 154; 455. Also Militärsanität, Zür., 1947, 29: 41–3. Also Schweiz. Apoth. Ztg, 1947, 85: 222; 433. Also Schweiz. med. Wschr., 1946, 76: 1300; 1947, 77: 346, 579; 1948, 78: 844. Also Vjschr. schweiz. Sanitätsoff., 1947, 24: 44; 1948, 25: 118.—**Internationaler** Kongress für Wehrmedizin. Krebsarzt, 1947, 2: 184.—**Internationella** (11.) militärsjukvårdskongressen. Sven. läk. tidn., 1947, 44: 662.—**Lacoste, L. A., Bonnet, E. F. P., & Núñez, C.** Once Congreso internacional de medicina y de farmacias militares, Basilea, 2–7 de junio 1947; comentario sobre los trabajos presentados. Rev. pub. nav., B. Air., 1948, 1: 285–92.—**Meyrelles do Souto, A.** O XI Congreso internacional de medicina e farmácia militares. Bol. Dir. serv. saúde mil., 1948, 11: 5–14.—**Międzynarodowy** (11.) kongres medycyny i farmacji wojskowej. Polski tygod. lek., 1946, 1: 712.—**Sondervorst, F. A.** Congrès international de médecine et pharmacie militaires. Scalpel, Brux., 1947, 100: 721–6.—**Suárez Torres, G.** Enseñanzas del XI Congreso internacional de medicina y farmacia militares, Basilea, junio de 1947. Bol. san. mil., Méx., 1949, 2: 538–70.

—— Congresses, international—12. Congr., 1949, Mexico City.

Congrès (XII) international de médecine et de pharmacie militaires. Bull. internat. Serv. santé, Liége, 1948, 21: 161; 1949, 22: 253. Also Bull. Soc. méd. mil. fr., Par., 1949, 43: 60. Also Sven. läk. tidn., 1949, 46: 571. Also Vjschr. schweiz. Sanitätsoff., 1948, 25: 153; 1949, 26: 106.—**Congrès** (XII) international de médecine et pharmacie militaire, Le Caire. Voj. zdrav. listy, 1948, 17: 329.—**Congreso** (XII) de medicina y farmacia militares. Sugestiones, Méx., 1949–50, 15: No. 171, 62–6.—**Congreso** (XII) internacional de medicina y farmacia militares. Bol. san. mil., Méx., 1949, 2: 489–95.—**Congreso** internacional de medicina y farmacia militares, Cairo, 1949. Rev. san. mil., Lima, 1947, 20: 124.—**Congresso** (XII) internacional de medicina e farmácia militares.. J. méd., Pôrto, 1949, 14: 105; 1950, 15: 371.—**Congresso** (XII) di medicina e farmacia militare. Acta med. ital. mal. infett., 1948, 3: 28. Also Riv. med. aeronaut., 1947, 10: 449.—**Congresso** (XII) internazionale di medicina e farmacia militare. Riforma med., 1949, 63: 24.—**Duodécimo** Congreso internacional de medicina y farmacia militares. An. Acad. farm., Madr., 1948, 14: 179–81. Also San. mil., Méx., 1948, 1: 23.—**Internacionaal** (12.) militair congres. Ned. tschr. geneesk., 1948, 92: 4049.—**International** congress of military medicine and pharmacology. J. Am. M. Ass., 1950, 142: 47.—**Internationaler** (12.) Kongress für Militärmedizin und -pharmazeutik. Deut. med. Wschr., 1949, 74: 96. Also Schweiz. med. Wschr., 1949, 79: 792. Also Wien. med. Wschr., 1949, 99: 22.

—— Congresses—Latin America.

[Chile] Congreso de medicina y cirugía naval y militar de Chile. Premier congreso. 728p. 8° Santiago, 1929.

Mexico. Ateneo nacional de ciéncias de México. Seccion de medicina militar. Memoria de la Semana de medicina militar, México, No. 1, 1937. 132p. 8° Méx., 1937.

Día de la sanidad militar. Rev. mil. Perú, 1944, 41: No. 3, 5.—**Jornada** (II) regional de médicos militares. San. mil., Méx., 1948, 1: 28–32.—**Oliveira y Silva, M.** Las reuniones mensuales del personal sanitario del Ejército. Rev. san. mil., Asunción, 1937–38, 10: 591–4.—**Primer** Congreso de medicina naval y militar de Chile. Rev. méd. Chile, 1928, 56: 1223.

—— Congresses—Russia.

[Russia] Konferencija po izućeniju mediko-sanitarnykh posledstvij vojny [2. Konf., 1946] Труды. 2v. 179p.; 127p. 22½cm. Moskva, 1948.

Markov, A. Konferencija medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 43–7.—**Rostocky, I. B.** [The results of the conference of the leading workers of evacohospitals of the People's Commissariat of Public Health of the RSFSR] Hospit. delo, 1945, No. 1, 4–7.—**Sheinis** [Conference of surgeons and therapeutists of the front] Voen. san. delo, 1942, No. 8, 43–6.

—— Congresses—Spain.

Blanco, A. Conferencia del Dr. Valladolid en la Academia de sanidad militar. Rev. san. mil., Madr., 1936, 26: 201–13.—**Discurso** de su excelencia el general D. Antonio Aranda Mata en la sesión de apertura del Congreso. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., p. xix.—**Discurso** del excmo. sr. d. Juan Flors García, presidente de la diputación provincial. Ibid., p. xxvi; xliii.—**Discurso** pronunciado en la sesión de apertura por el excmo. sr. d. Antonio de Gregorio Rocasolano. Ibid., p. xxviii–xxxix.—**Discurso** pronunciado en la sesión de clausura del Congreso por su excelencia el general D. Antonio Aranda Mata. Ibid., p. li.—**Rodríguez López, J.** Memoria de la comisión organizadora del Congreso médico militar de Castellón de la Plana. Ibid., p. xxi–xxv.

—— Congresses—United States Forces.

See also **Medical officer, Societies.**

Conference of Army Physicians, Central Mediterranean Forces. Proceedings of the Conference. 143p. 27cm. Roma, 1945.

Kansas City Southwest Clinical Society. Medico-military symposium, 1934. 108p. 8° Kansas City, 1934.

United States. War Department. Surgeon-General's Office. Surgeon General's conference with commanding officers, general hospitals, Washington, D. C., December 15, 1941. 20 l. 27cm. Wash., 1941.

American College of Surgeons holds one day sessions on military medicine. J. Am. M. Ass., 1942, 118: 738.—**Anglo-American** Consultants Conference. Brit. M. J., 1945, 1: 85.—**Armstrong, G. E.** Statement of Conference aims. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 4–9.—**Bliss, R. W.** Address of welcome. Ibid., 1–3.—**Conference** of flight air surgeons; Atlantic City, 1944. J. Am. M. Ass., 1944, 126: 839, group portr.—**Farr, R. E.** Report of the meeting of the Foreign Medical Mission at the University of Minnesota, October 29, 1918. Minnesota M., 1918, 1: 466–70.—**Glascock, H. W.,** jr. Use of the clinical pathologic conference as a teaching mechanism. Bull. U. S. Army M. Dep., 1949, 9: 392–8.—**Kastlin, G. J.** Question and answer period of Symposium on War Medicine. Pennsylvania M. J., 1942–43, 46: 202; 468.—**Morgan, C. V., Jensen, W. S.** [et al.] Symposium on military medicine. Proc. Am. Drug Manuf. Ass., 1943, 32. meet., 100–75.—**New York** meeting on military medicine. J. Am. M. Ass., 1940, 115: 1560.—**Panel** discussion, war medicine and surgery, Oct. 29th, 1943. J. Omaha Clin. Soc., 1943, 4: 108.—**Phillips, R. B.** The ninth annual Mayo medico-military symposium. Mil. Surgeon, 1937, 81: 447–51. ——— The eighth annual medico-military symposium. U. S. Nav. M. Bull., 1937, 35: 89–94.—**Program** Spring medico-military symposium, Jackson County Medical Society's auditorium, Municipal General Hospital, March 14, 15, 1940. Kansas City M. J., 1940, 16: No. 2, 13–20.—**Smith, F. L.** Military surgeons meet. Minnesota M., 1942, 25: 216.—**Symposium** on military medicine. Ann. Int. M., 1940–41, 14: 1478.—**Symposium** on problems in war medicine. Illinois M. J., 1942, 82: 344–96.—**Symposium** on war medicine; teaching panels presented at the 51st annual meeting of the Association of Military Surgeons of the United States, Philadelphia, October 22–23, 1943. Clinics, 1943–44, 2: 1075–244.—**United States** and British Army medical officers hold meeting in France. J. Am. M. Ass., 1944, 126: 901, group portr.—**War** medicine convention. Mil. Surgeon, 1942, 90: 717.

—— Dictionaries [incl. nomenclature]

Энциклопедический словарь военной медицины. 5v. 27cm. Moskva, 1946–48.

United States. Army. Ashford General Hospital. Standard and non-standard acceptable terms for diagnosis. 93 l. 27cm. White Sulphur Springs. 1942 [?]

Brusilovsky, L. Enciklopedićeskij slovar voennoj mediciny. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1216.—**Koontz, A. R.** Are doctors educated? a plea for the more correct pronunciation of medical terms. Mil. Surgeon, 1947, 100: 35–7.—**New** (The) Joint Armed Forces statistical classification and basic diagnostic nomenclature. Statist. Navy M., 1949, 5: No. 4, 2.—**Source** of data and definitions of terms. Health U. S. Army, 1949, 4: No. 12, 44–8.

—— Essays.

Military medicine as a specialty; how can a knowledge of it be promoted in the medical profession in civilian life and in the reserves? [MS of essays for the Sir Henry Wellcome Prize

of the Association of Military Surgeons of the United States] 14 MS. [Size varies] Wash., 1933.

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Pfannenstiel, W. Der moderne Krieg als Lehrmeister der Hygiene. 28p. 21cm. Oldenb., 1944.

Forms No. 2, v.8, Bremer Beitr. Naturwiss.

Scheffler, L. Pensées d'un médecin de campagne. 22p. 19½cm. Par., 1939.

Cushing, H. W. The Boston tins. In his Consecr. medici, Bost., 1940, 174–85.—**Downes, R. M.** The medical aspects of military science. Med. J. Australia, 1938, 2: 1–9.—**Farjot, J.** La collaboration entre la médecine civile et la médecine militaire. Prat. méd. fr., 1931, 12: 123–40.—**Fiessinger, N.** [War medicine] Voj. san. glasnik, 1940, 11: 423–5.—**Gray, G. W.** War medicine and war surgery. In his Science at War, 3. ed., N. Y., 1943, 200–23.—**Klefberg, F.** [Some details relating to the subject of military medicine] Hygiea, Stockh., 1915, 77: 1409–47.—**Marietta, S. U.** Military medicine in its general application. J. Iowa M. Soc., 1942, 32: 1–7.—**Premiers** (Les) pas en médecine; la médecine militaire. Arch. belges Serv. san. armée, 1940, 93: 81–4.—**Reynolds, C. R.** Medicine in modern military operations. Proc. Interst. Postgrad. M. Ass. N. America, 1936, 231–4.—**Roddy, J. A.** Military medicine as a specialty, how can a knowledge of it be promoted in the medical profession, in civil life and in the reserves? Mil. Surgeon, 1934, 74: 135–9.—**Seaman, G. E.** Military medicine from an international aspect. Ibid., 1929, 65: 842.—**Voncken, J.** La mobilisation médicale et le rôle international de la médecine militaire. Bull. internat. Serv. santé, Liége, 1947, 20: 326–31.

—— Evaluation.

Masing, E. Krieg und Soldat als Lehrmeister des Arztes. 10p. 24½cm. Posen, 1944.

Forms H. 8, Vortr. & Aufs. Reichsuniv. Posen.

Barr, J. S. Some aspects of military medicine applicable to civilian practice. Bull. N. England M. Center, 1946, 8: 257–61.—**Stieglitz, E. J.** The victories of military medicine. Sc. Month., 1943, 57: 275.—**Swanson, C. A.** Some influences of military medicine upon war. Mil. Surgeon, 1948, 102: 12.—**Van-Baumberghen, A., Slocker** [et al.] La medicina militar en la evolución de las ciencias médicas. An. Acad. nac. med., Madr., 1932, 4: 371–85.

—— Exhibit.

Durham, N. Carolina. Duke University Hospital. Exhibit of books illustrating the history of military medicine. 40p. 21cm. N. Y., 1941.

Kantor, J. L. A medico-military exhibit. Mil. Surgeon, 1938, 83: 152–8.

—— Experiences.

Bircher, E. Arzt und Soldat; eine psychologische Betrachtung. 59p. 25cm. Stuttg., 1940.

Forms No. 24, Vortr. prakt. Chir.

McKay, R. H. Little pills; an army story; being some experiences of a United States Army medical officer on the frontier nearly a half century ago. 127p. 22½cm. Pittsburg, Kan., 1918.

Steuber, W. Arzt und Soldat in drei Erdteilen. 352p. 22cm. Berl., 1940.

Baeckmann, C. Erinnerungen eines russlanddeutschen Arztes. Münch. med. Wschr., 1936, 83: 1644–6.—**Behneman, H. M. F.** Leaves from a doctor's notebook of 70 years ago. Mil. Surgeon, 1940, 86: 547–54.—**Cautiero, G.** Monografia di guerra vissuta da un medico. Gior. ital. mal. esot., 1935, 8: 63–70.—**Dudding, T. S.** Frontier reminiscences. J. R. Army M. Corps, 1930, 55: 260; 334.—**Graham, W. H.** Experiences, then and now. Mississippi Valley M. J., 1947, 69: 31–5.—**Kawiński, J.** [Memoirs of an Uhlan] Lek. wojsk., 1936, 28: 302–8.—**Oliveira Ramos, J. de.** Precalços da vida médica em campanha. Med. cir. farm., Rio, 1945, 348–51.—**Pozner, H.** Operation, M. O. J. R. Army M. Corps, 1947, 88: 27–38.—**Roch, R.** Trois mois de médecine de guerre. Rev. méd Suisse rom., 1944, 64: 246–62.

—— Field.

See also **Field manual.**

Front-line medicine. In: Science Yearb. (Ratcliff, J. D.) N. Y., 1944, 14–26.—**Mudd, R. D.** Field medicine and surgery. Army Dent. Bull., 1942, 13: 95–100.—**Soviet** medicine in the field. Lancet, Lond., 1943, 2: 487.—**Vovsi, M. S.** [Certain problems of field therapy] Voen. san. delo, 1941, No. 12, 12–6.

—— Future.

Ballesteros Barahona, M. Presente y futuro del Servicio de sanidad. Med. & cir. guerra, 1948, 10: 57–71.—**Clarke, F. C.** A glimpse of the past: What of the future? Canad. M. Ass. J., 1935, 32: 71–4.—**Medicine** and future methods of warfare. J. Am. M. Ass., 1937, 109: 1646.

—— History.

See also **Biography.**

Garrison, F. H. Notes on the history of military medicine. 206p. 8° Wash., 1922.

Pellegrini, F. La medicina militare nel regno di Napoli, dall'avvento dei Normanni alla caduta degli Aragonesi [1139–1503] 315p. 8° Verona, 1932.

Semeka, S. Медицина военная; история. p.720–879. 27cm. Moskva, 1946–48.

In: Encikl. slovar voen. med., Moskva, 1946–48, 3:

Buess, H. Un coup d'oeil sur l'histoire de la médecine militaire. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 100–15.—**Godart, J.** Quelques notes inédites du barron Larrey. Progr. méd., Par., 1940, pt 1, 173–8.—**Goldstein, H. I.** Some notes on military medicine and surgery through the centuries. Rev. Gastroenter., N. Y., 1944, 11: 37–43, 8 portr.—**Grissinger, J. W.** The development of military medicine. Bull. N. York Acad. M., 1927, n. ser., 3: 301–56.—**Hume, E. E.** The military sanitation of Moses. Sentinel, 1936, 101: No. 6, 9; passim.—**Krauss, H.** Zur Geschichte der Militär-Medizin. Münch. med. Wschr., 1942, 89: 60–2.—**Larrey, D. J.** Notatki z historii medycyny wojennej. Lek. wojsk., 1948, 24: 335.—**Luckhardt, A. B.** Historical background and introduction. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 1–22.—**Maxness, B. A.** The development of military medicine as a specialty. Messenger, 1934, 31: 204–12.—**Militärärztliche** Betrachtungen zur Jahreswende 1912–13. Militärarzt, Wien, 1913, 47: 17–9.—**Montserrat, S.** La medicina militar en el Medioevo. Actual. méd., Granada, 1946, 32: 673–89.—**New** crusade for humanity. Internat. J. M. & S., 1934, 47: 438.—**Rocha, I. da.** O homen soldato e a evolução da medicina militar. Brasil med., 1917, 31: 212–4.—**Säkularfeier** (Eine) im Militärgesundheitswesen. Aerztl. Rdsch., 1905, 15: 282.—**Schickelé.** La médecine militaire à travers les âges. Arch. méd. belges, 1933, 86: Bull. internat., 121; 139. Also Danish transl., Militaerlaegen, 1935, 41: 33–51. Also Spanish transl., Rev. san. nav., Valparaíso, 1936, 6: 236–48.—**Story** telling. Lancet, Lond., 1942, 1: 13.—**Van-Baumberghen, A.** La medicina militar en sus reliquias sacerdotal y caballeresca. Rev. san. mil., Madr., 1930, 20: 161–6.—**Watson, E. M.** The evolution of military medicine. Canad. J. M. Techn., 1940–41, 3: 85–94.

—— Institutes.

See also **School.**

Barnet y Vinageras, J. Creación del instituto cívico-militar. Arch. rev. hosp., Habana, 1936, 2: 189–92.—**Nifontov, B. V.** [Sklifosovsky Institute during the present war] Sovet. zdravookhr., 1943, No. 6, 24–9.

—— Instruction.

See also **Education; Medical officer,** Education; **School.**

Courville, C. B. Medical military training for civilians; an experiment conducted by medical reserve officers attached to the 47th General Hospital. 118p. 23cm. Arlington, Calif., 1937.

Benenson, A. S. Medical military science. N. England J. M., 1949, 240: 135–7.—**Correia Leitão, F.** O ensino médico-militar no Brasil. Hora med., Rio, 1943, No. 70, 15–7.—**Courville, C. B.** Entrenamiento médico-militar para civiles; los cuerpos de cadetes medicos. Rev. san. mil., Habana, 1942, 6: 105–13.—**Grumbach, A.** Die militärmedizinische Weiterbildung der Sanitätsoffiziere. Vjschr. schweiz. Sanitätsoff., 1938, 15: 69–73.—**Lehman, E. P.** Teaching of military medicine. J. Ass. Am. M. Coll., 1943, 18: 235–9. —— Teaching of military medicine in medical schools. South. M.

J., 1943, 36: 382–5.—**Sant'Anna, A. C. de.** Curso de medicina militar para médicos civis. Brasil med., 1942, 56: 421.

—— Introduction.

MARTIN, J. I. Introduction to military medicine including Medical Department responsibilities. 9 l. 32cm. West Point [?] 1948.
Forms Lect. 2, Dep. Mil. Hyg. U. S. Mil. Acad.

Andrus, E. C. Medicine; introduction. In: Advance. Mil. Med. Bost., 1948, 1: 3.—**Hume, E. E.** Introduction to military medicine. Mil. Surgeon, 1948, 102: 17–24.—**Moppert.** Introduction à la chirurgie et à la médecine de guerre. Praxis, Bern, 1940, 29: 2–4.

—— Manual.

See also **Field manual; Hygiene,** Lectures and manuals; **Technical manual.**

ASHBURN, P. M. Military medicine. p.579–630. 4° N. Y., 1920.
In: Nelson Loose-Leaf Med., 1920, 7:

BRITISH EXPEDITIONARY FORCE IN FRANCE. Notes for sanitary officers. 84p. 18½cm. Lond., 1917.

D'ALESSANDRO, R. Medicina e medicina legale militare. 426p. 8° Roma, 1936. ALSO 2. ed. 476p. 24cm. Roma, 1939.

ERCHENBRECHER, H. Der Truppenarzt. 78p. 8° Berl., 1936.

ERHARDT, R. Handbok för militärläkare. 602p. 8° Lund, 1930.

GEMEINHARDT, K. Einführung in die Wehrpharmazie; Wehrmedizin. 2. Bd. 3. Aufl. 134p. 25½cm. Stuttg., 1944.

GREAT BRITAIN. WAR OFFICE. Royal Army Medical Corps training, 1911. 453p. 18½cm. Lond., 1914.

GUSEV, M. I. Kurs sanitarno-taktićeskikh zanjatij vraćej v zadaćakh i ikh reśenijakh s priloźeniem perećnja zakonopoloźenij. 170p. 8° Odessa, 1910.

HANDLEDNING I FÖRSVARSMEDICIN. 2v. in 1. 302p.; 382p. 22½cm. Stockh., 1940.

HEINEMANN-GRÜDER, C., & RÜHE, E. F. F. Der Arzt in der Wehrmachtversorgung; ärztliche Angelegenheiten der Wehrmachtfürsorge und -versorgung. 364p. 20cm. Dresd., 1942. ALSO 2. Aufl. 471p. 20cm. Dresd., 1944.

KOLESNIKOV, N. V., & SHABANOV, A. N. Медицинский справочник для фельдшеров. 623p. 20½cm. Moskva, 1950.

KROCKER, A., & FREIDHEIM, H. Militärärztliches Vademecum; Teil zwei des Deutschen militärärztlichen Kalenders. 506p. 8° Hamb., 1904.

MEDICAL WAR MANUAL. Phila., No. 1–8, 1917–19.

MILITARY MEDICAL MANUAL. 774p. 8° Wash., 1931. ALSO 2. ed. 686p. 8° Harrisb., 1937. ALSO 3. ed. 837p. 25cm. 1940. ALSO 4. ed. 877p. 25cm. 1940. ALSO 5. ed. 1007p. 24½cm. 1942. ALSO 6. ed. 889p. 24½cm. 1945.

NASCIMENTO SANTARENO, J. DO. Manual ilustrado do Serviço de saúde militar. 611p. 22½cm. Lisb., 1941.

PALMER, M. Life-saving in war-time; a campaign handbook. 112p. 8° Lond., 1916.

SISTO, P. Guida per il medico in guerra. 184p. 16° Tor., 1915.

SOKOŁOWSKI, T. Zasady leczenia ran wojennych. 94p. 24cm. Jerusalem, 1944.

SVENSKA MILITÄRLÄKAREFÖRENINGEN; CENTRALKOMMITTÉN. Handbok för militärläkare. 602p. 22½cm. Lund, 1930.

TAZAKI, T. Gunzin naika-gaku. 410p. 22cm. Tokyo, 1940.

TOURNIER-LASSERVE, J. J. R. Le Service de santé aux armées. 386p. 8° Par., 1933.

UNITED STATES. DEPARTMENT OF THE ARMY. Field manual FM 8–55: Medical field manual; reference data. 78p. 17½cm. Wash., 1941.

UNITED STATES. WAR DEPARTMENT. OFFICE OF THE CHIEF OF STAFF. Manual for the Medical Department, United States Army, 1916 corrected to June 15, 1918; Changes Nos. 1 to 8. 387p. 23½cm. Wash., 1918.

WEHRMEDIZIN. Bd 3–4. 2v. 25cm. Stuttg., 1943–44.

WOODBURG, F. T., & MOSS, J. A. Manual for medical officers, being a guide to the duties of Army medical officers. 291p. 8° Menasha. 1918.

WREEDEN, O. J. Kurzer Unterricht vom chirurgischen Feld-Kasten, worinn diejenigen Arzneyen, so in eine kleine Feld-Apotheke gehören, nebst derselben Zubereitung, imgleichen was ein Regiments-Chirurgus aus der Zergliederungskunst, Wundarzney, und Heilungsgelahrheit nothwendig wissen muss. 304p. 20cm. Hannover, 1757.

Tractatus medicus de morbis castrensibus internis, auth. Joh. Valentino Willio, Hafniae, 1676 [Bk. Rev.] Philos. Tr., Lond., 1676–78, 11:–12: 918.

—— Nomenclature.

See subheading (Dictionaries)

—— Periodicals.

See **Journalism.**

—— Practice.

Farádi, L., & Trencséni, T. A klasszikus medicina jelentősége a honvédorvosi gyakorlatban. Honvédorvos, 1950, 3: 386–90.—**Simmons, J. S.** Army medicine; an opportunity for service. Phi Chi Q., 1944, 41: 537–43.—**Walther.** Spezialisierung im Militärsanitätswesen. Vjschr. schweiz. Sanitätsoff., 1925, 2: 33–6.

—— Problems and responsibilities.

CORDIER, D. Problèmes de médecine de guerre. 183p. 20cm. Montréal, 1943.

Barrett, J. W. Military medical problems. Med. J. Australia, 1942, 1: 540.—**Creighton, R.** Military medicine needs the medical profession. Minnesota M., 1948, 31: 690–6.—**Farreras, P.** Problemas médico-militares. Rev. san. mil., Madr., 1923, 3. ser., 13: 145–8.—**Gagliardone, C. R.** Inquietudes sanitarias de la época presente. Rev. san. mil., Asunción, 1937–38, 10: 615–22.—**Hillman, C. C.** Medical problems encountered in military service. Ann. Int. M., 1939–40, 13: 2205–11. Also Army M. Bull., 1940, 53: 27–35.—**Hurley, V.** The role of the medical services in modern warfare, with a review of some of the special medical problems of the present World War. Med. J. Australia, 1944, 2: 265–73.—**Kirk, N. T.** The remaining task. J. Am. M. Ass., 1946, 130: 918–21.—**Nikoliš, G.** O nekim principijelnim pitanjima savremene vojne medicine. Voj. san. pregl., Beogr., 1948, 5: 75–82.—**Rankin, F. W.** Some current medicomilitary problems. J. Am. M. Ass., 1943, 122: 486–9.—**Thiesmeyer, L. R.** The fight against disease and deterioration. In his Combat Scientists, Bost., 1947, 135–61.—**Thorner, M. W.** Military problems. In: Medical diagnosis (Pullen, R. L., ed.) Phila., 1944, 996–1013.—**Tourinho, A.** Alguns problemas de medicina militar em tempo de paz. Fol. med., Rio, 1935, 16: 544–6.—**War** medicine the responsibility of the medical profession. Texas J. M., 1941–42, 37: 575–8.

—— Progress.

ADVANCES IN MILITARY MEDICINE; made by American investigators working under the sponsorship of the Committee on Medical Research. 2v. 472p.; p.473–900. 22cm. Bost., 1948.

MAISEL, A. Q. Miracles of military medicine. 373p. 22cm. N. Y., 1943.

Advances in medicine and the medical sciences during 1946. U. S. Nav. M. Bull., 1947, 47: 114–33.—**Chen, K. K., & Sommermeyer, E.** Contributions to medicine during World War II by Chinese in North America. Chin. M. J., 1948, 66: 156–60.—**Craft, W. E.** Medicine in the war; high lights of recent important contributions of the medical and allied professions in the

war program. Merck Rep., 1942, **51**: No. 3, 10–2.—**Ferrari, R.** Wehrmedizin. Med. Klin., Berl., 1942, **38**: 928.—**Hall, W. W.** Some highlights of the year in war medicine. Proc. Am. Drug Manuf. Ass., 1944, **33**: 157–66.—**Hammond, J. F.** Advances in military medicine in 1943. Bull. U. S. Army M. Dep., 1944, No. 73, 46–52. Also Rev. med. cir. Brasil, 1944, **52**: 671–7.—**Hillman, C. C.** Military medicine; the old and the new. Ann. Int. M., 1944, **20**: 361–6.—**Hirsh, J., & Allen, L.** Milagros médicos de la guerra. Rev. mil., La Paz, 1943, **7**: 591–6.—**Hume, E. E.** Army medicine around the world. Mil. Surgeon, 1949, **105**: 110–6.—**Katuno, K.** Oh-Bei sisatu-dan [European and American observations] Gun idan zassi, 1925, No. 145, 909; passim.—**Maisel, A. Q.** Medical miracles on the battlefield. American Mercury, 1943, **56**: 713–20.—**Medicine** in war. Physician Bull., 1942, **7**: 67–70.—**Military** medicine at home and abroad. Med. Bull. (Standard Oil Co.) N. Y., 1941–42, **5**: 307–9.—**Mitchiner, P. H.** The aftermath of war; a review. Nurs. Times, Lond., 1946, **42**: 454.—**Montgomery, L. C.** Progress in war medicine since 1939. Canad. M. Ass. J., 1948, **59**: 211–6.—**Pascalis, G.** Mise au point. Bull. Soc. méd. Paris, 1936, 195.—**Pilcher, J. E.** Notes on the present status of military medicine and surgery. Tr. Ohio M. Soc., 1896, 149–54.—**Recent** advances in medicine and dentistry. U. S. Nav. M. Bull., 1949, **49**: 347–70.—**Reitzer, H.** [Progress in war medicine] Militaerlaegen, 1940, **46**: 38–40.—**Roux, G.** Acquisitions et tendances de la chirurgie d'armée depuis la guerre 1914–18. Montpellier méd., 1940, **17–18**: 33–9.—**Simmons, J. S.** New horizons in military medicine. Washington Univ. M. Alumni Q., 1942–43, **6**: 129–36.—**Stone, W. S.** Some developments in military medicine. Delaware M. J., 1948, **20**: 118–21.—**Tillisch, J. H., & Merritt, W. A.** Advances in medicine in World War II. J. Lancet, 1947, **67**: 288–90.

—— Societies.

See under **Medical officer,** Societies.

—— Specialization.

See **Specialist.**

—— by countries.

MANAYRA, P. E. L'odierna medicina italiana; giudicata da un Inglese. 13p. 22cm. Roma, 1878.

Also Gior. med. mil., 1878, **26**: 211–21.

Bennett, J. Landmarks in 50 years of medicine in the army. J. R. Army M. Corps, 1948, **90**: 247–56.—**Leishman, A. W. D., & Kelsall, A. R.** A year of military medicine in India. Lancet, Lond., 1944, **2**: 231–5.—**Mete Yurdakul** [Military medicine and sanitary tactics] Askeri sihhiye mecmuasi, 1939, **68**: 82–96.—**Military** medicine. J. Am. M. Ass., 1938, **111**: 2226.—[**Polonia** e Italia] Gior. med. mil., 1927, **75**: 461–74.—**Suhateanu, C.** Aperçu historique sur la médecine militaire en Roumanie. Bull. internat. Serv. santé, Liége, 1937, **10**: 379–89.—**Ulrich, C.** Krigsmedicin. Ugeskr. laeger, 1943, **105**: 220

—— by countries: Brazil.

Abreu, F. de. A medicina militar no Brasil. Hora méd., Rio, 1943, No. 70, 9–14.—**Paiva Gonçalves.** Discurso. Rev. med. cir. S. Paulo, 1942, **2**: 167–71.—**War** medicine in Brazil. J. Am. M. Ass., 1942, **119**: 577.

—— by countries: Germany.

Hasslinger. Die Entwicklung des Feldscherertums und der gesamten Heilkunde im Heere bis zur Gründung der Pépinière. Deut. Militärarzt, 1939, **4**: 57–60.—**Nordlander, C., & Lönberg, N.** [Abstract from the report on a study trip to Germany in 1938] Tskr. mil. hälsov., 1938, **63**: 65–90.—**Waldmann.** Wehrmedizin. Illust. Ztg, Jan. 1941, 50.

—— by countries: Russia.

GRULIOV, L. Soviet war-time medicine. 62 l. 28cm. N. Y., 1943.

SEMEKA, S. Медицина военная. p.713–915. 26½cm. Moskva, 1946–48.

In: Encikl. slovar voen. med., Moskva, 1946–48, **3**:

STRAŠUN, I. D. Русский врач на войне. 143p. 20½cm. Moskva, 1947.

Anglo-Russian alliance in medicine. Lancet, Lond., 1941, **2**: 344.—**Bagdasarian, S. M.** [25 years of Soviet military medicine] Voen. san. delo, 1943, No. 2, 3–26.—**Blakeslee, H. W.** The medical miracle of Russia. Q. Phi Beta Pi M., 1942–43, **39**: 275.—**Cutler, E. C.** War medicine in Russia. Bull. U. S. Army M. Dep., 1943, No. 70, 14.—**Doktrina** voenno-medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 544.—**Handelzalc, A.** Trzydzieści lat radzieckiej medycyny wojskowej. Lek. wojsk., 1948, **24**: 211–5.—**Lebedenko, V. V.** Russian advances in military medicine. Am. Rev. Soviet M., 1943–44, **1**: 161–3. Also in Science in Soviet Russia (U. S. Nat. Counc. Amer. Soviet Friendship) Lanc., 1944, 51–4.—**Propper-Graščenkov, N. I.** Soviet war medicine. Connecticut M. J., 1943, **7**: 558–60.—**Semeka, S.** Medicina voennaja; sovetskaja voennaja medicina vo vtorom desjatiletii sovetskoj vlasti do pervykh boevykh stolknovenij Sovetskoj Armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 894–900. ——— Medicina voennaja; osnovnye principy sovetskoj voennoj mediciny. Ibid., 879–912. ——— Medicina voennaja; voennaja medicina v Rossii vo vtoroj četverti i v seredine 19. v. Ibid., 801–24.—**Solovjev, Z. P.** Medicina voennaja; razvitie osnovnykh principov sovetskoj voennoj mediciny v oblasti zdravookhranenija Sovetskoj Armii. Ibid., 886–94.—**Strašun, I. D.** Iz prošlogo voenno-sanitarnoj mysli. Voen. med. J., Moskva, 1945, April, 46.—**Visit** to the U. S. S. R. of British surgeons. Science, 1943, **98**: 295.

—— by countries: Switzerland.

Vollenweider. Un événement dans les annales de la littérature médicale militaire de la Suisse. Vjschr. schweiz. Sanitätsoff., 1939, **16**: 68–70. ——— Die schweizerische Heilkunde im gegenwärtigen Aktivdienst. Praxis, Bern, 1943, **32**: 12.

—— by countries: United States.

Bubb, W. Medizinische Fortschritte in den Vereinigten Staaten während des Krieges. Schweiz. med. Wschr., 1947, **77**: 239; 268.—**Developments** in military medicine during the administration of Surgeon General Norman T. Kirk. Bull. U. S. Army M. Dep., 1947, **7**: 520; passim.—**DeLaney, M. A.** What the U. S. Army has done for American medicine. Med. Soc. Rep., Scranton, 1933, **27**: 20; No. 3, 19.—**Hall, C. R.** The beginnings of American military medicine. Ann. M. Hist., 1942, 3. ser., **4**: 122–31.—**Paiva Gonçalves.** Trechos e conclusões de um relatório. An. Hosp. centr. exerc., Rio, 1943, **8**: 105–16. ——— Cento e dez dias em terras de Norte América. Rev. med. mil., Rio, 1943, **32**: 187–212.—**Reynolds, F. P.** Advice from the fathers. Mil. Surgeon, 1918, **42**: 462.—**Sanidad** militar norteamericana. Sem. méd. españ., 1943, **6**: pt 2, 673–7.—**Souza Ferreira, J.** Impressões de viagem. Rev. méd. brasil., 1944, **16**: 41–71.—**Stevenson, I.** Beginnings of American military medicine. Ciba Sympos., 1939–40, **1**: 344–59, 11 portr.

—— by periods.

See subheading (History)

—— in wartime.

TALIAFERRO, W. H. Medicine and the war. 193p. 21cm. Chic., 1944.

WINTERS, V. M. E. *Oorlog en heelkunde. 115p. 8° Amst., 1931.

Bon, H. Médecine militaire en temps de guerre. In his Précis d. méd. cath., Par., 1936, 569–72.—**Castro Ahumada, L.** Algunas consideraciones sobre el llamado tratamiento de guerra. Rev. san. mil. (Chile) 1936, **4**: 111–3.—**Clark, W. E. L.** The contribution of anatomy to the war. Brit. M. J., 1946, **1**: 39–43. Also Spanish transl., Rev. san. mil., B. Air., 1946, **45**: 309–22.—**Franklin, R. H.** Total medicine in total war. Lancet, Lond., 1942, **2**: 265.—**Herrera, J. L.** La medicina y la cirugía en la guerra. Rev. san. mil., B. Air., 1942, **41**: 227–31.—**Hume, E. E.** Medicine and war (Kober lecture) Bull. Georgetown Univ. M. Cent., 1948–49, **2**: 181–98. Also Mil. Surgeon, 1948, **103**: 169–93. Also Spanish transl., Bol. san. mil., Méx., 1949, **2**: 236–42. Also Rev. med. mil., Rio, 1949, **38**: 7–46. Also Rev. san. mil., Habana, 1949, **8**: 195–224.—**Jones, H. W.** Medicine goes to war again. Mil. Surgeon, 1943, **92**: 583–97. Also Proc. Mayo Clin., 1943, **18**: 265; passim.—**Long, P. H.** Medical progress and medical education during the war. Fed. Bull , Chic., 1946, **33**: 323–44.—**McCallum, A.** [War medicine] Med. J. (R. Canad. Navy) 1944, **6**: 1; **7**: 1.—**Medicine** at war. Brit M. J., 1942, **1**: 262.—**Plichet, A.** Les progrès de la médecine et la guerre. Presse méd., 1946, **54**: 791.—**Propper-Graščenkov, N. I.** La guerre et la médicine. Sem. hôp., Par., 1946, **22**: 1311–9.—**Richards, A. N.** Medicine in war. Health, Mount. View, 1943, **10**: 6.—**Rokkos, S. A.** *Ἡ ἰατρικὴ ἐν πολεμῷ; δράσις τοῦ ὑγιεινομικοῦ σώματος.* *Ἰατρικὸς μηνῦτωρ,* 1913, **13**: 33–9. **Voncken, J.** A new crusade (transl.). Mil. Surgeon, 1935, **76**: 251–8. ——— Rapport sur les perspectives de la médicine en temps de guerre. Bull. internat. Serv. santé, Liége, 1948, **21**: 277–82. Also English transl., Ibid., 285–8.

—— in wartime: Achievements and problems.

MASING, E. Krieg und Soldat als Lehrmeister des Arztes. 10p. 24½cm. Posen, 1944.

Asher, P. Medical progress through six years of war. Nurs. Mirror, Lond., 1946–47, **84**: No. 2169, 41.—**Biggam, A.** Wartime advances in medicine which might be translated into civil practice. J. R. Army M. Corps, 1946, **87**: 291–6.—**Bort Zandalinas, J.** En la guerra lógica la medicina avanza. Rev. pract., Valencia, 1950, 2. época, **6**: 54–7.—**Das, S. M.** How war gives an impetus to improvement in medical science, including nursing. Bengal Pub. Health J., 1939–40, **1**: 53.—**Effects** of war on medicine. In: Science & Pub. Policy (U. S. President Sc. Res. Bd) Wash., 1947, **5**: 3–6.—**Fadda, S.** Il contributo della sanità militare nel campo igienico-sociale della nazione. Gior. med. mil., 1948, **95**: 138–40.—**Kirk, N. T.** Wartime developments in medicine and surgery will benefit

civilians. J. M. Soc. Co. New York, 1944, **3**: No. 50, 9.—**Long, P. H.** Medicine during World War II. J. M. Soc. N. Jersey, 1946, **43**: 488–98.—**Magner, D.** Some medical aspects of modern warfare. Camsi, Montréal, 1948, **7**: No. 2, 14–6.—**Major, R. H.** War and disease [rev. by J. Marshall] Nature, Lond., 1943, **151**: 627.—**Mitchiner, P. H.** The aftermath of war in medicine. J. R. Army M. Corps, 1946, **87**: 241–6.—**Portengen, J. A.** Lessen mit den oorlog. Mil. geneesk. tschr., 1906, **10**: 221–56.

MILITARY surgeon.

See **Medical officer**; also such terms as **Evacuation; Feldsher; Flight surgeon; Naval surgeon; School; Specialist.**

MILITIA.

Almeida Garrett. Graduações e milicianos. Portugal med., 1917, **3**: Suppl., p. clxxxvii; ccxix.—**Louwerse, J. J.** [Selection of the militia] Ned. tschr. geneesk., 1934, **78**: 4219–29. ——— [Desirability to have the recruiting tests for the National Militia correspond to the growing contingent] Ibid., 1937, **81**: 2364–9. ——— [Militia examinations] Ibid., 1939, **83**: 781–6.—**Vollenweider.** Questions particulières au service de santé dans une armée de milices. Arch. méd. belges, 1933, **86**: 73–96.

—— Great Britain.

HOWARD, J. K., & ENDICOTT, H. W. Confidential summary report re The Home Guard, British. 92 l. 28cm. Bost., 1941.

Abel, A. L. Home Guard medical supplies from Canadian Red Cross. Brit. M. J., 1941, **2**: 280. ——— Home Guard medical service. Lancet, Lond., 1941, 2: 204. ——— Home Guard medical arrangements. Ibid., 359–61.—**Care** for Home Guard casualties. Ibid., 191.—**Cohen, R. A.** Dentists and the Home Guard. Brit. Dent. J., 1942, **72**: 146.—**Green-Armytage, V. B.** Care for Home Guard casualties. Lancet, Lond., 1941, 2: 230.—**Harley, H. C.** Home Guard problems. Ibid., 501.—**Hereward.** Home guard casualties. Ibid., 1942, **1**: 545.—**Home** Guard casualties. Practitioner, Lond., 1942, **148**: 121.—**Home** Guard terminology. Lancet, Lond., 1941, 2: 582.—**Langdon-Davies, J.** Scientific help for the Home Guard. Nature, Lond., 1942, **149**: 79.—**MacManus, D.** The Home Guard Medical Service. Med. Press & Circ., Lond., 1944, **211**: 329.—**Medical** organization of the Home Guard. Bull. Army M. Dep., Lond., 1942, No. 18, 8. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 68.—**O., H. G. M.** Care for Home Guard casualties. Lancet, Lond., 1941, 2: 268.—**Palmer, A. L. D. V.** to Home Guard. Britain Today, Lond., 1941, No. 50, 13–6.—**Shirlaw, G. B.** Medical service for the Home Guard. Lancet, Lond., 1941, 2: 225–7. ——— & **Ward, G.** Home Guard problems. Ibid., 469.—**Williams, P. L. W.** Care for Home Guard casualties. Ibid., 354.

—— United States.

See **National Guard.**

MILK.

See also **Dairy product.**

INDIA. ARMY. MEDICAL DIRECTORATE, INDIA. Amendment: Administrative instruction No. 97. Provision of milk. p.6. 25cm. Delhi, 1945.

Forms No. 262, Admin. Instr. M. Dir. Army India.

Babcock, C. J. The Army's milk supply and problems incident to procurement and inspection. Mil. Surgeon, 1945, **96**: 479–84.—**Krauss, W. E.** Use of milk by the armed forces. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1945–46, **5**: 189.—**Mechanical** cow. Circ. M. Sect. Far East Command, 1947, No. 10, 6–8.

MILLER-ABBOTT tube.

See under **Intestine.**

MINDORO.

See under **World War II.**

MINE.

See also **Explosive; Injury**—by weapons: Mine.

Bervar, M. O tipičnoj povredi od nagazne mine. Voj. san. pregl., Beogr., 1945, **2**: No. 8, 39–43.—**Blumensaat, C.** Der indirekte Stauchungsbruch des Fersenbeins durch Minenexplosion, eine der typischen Calcaneus-Kompressionsfraktur des Seekrieges gleiche Landkriegsverletzung. Chirurg, 1943, **15**: 220–30.—**Funstein, L.** [Roentgen diagnosis in injuries of the lower extremities by land mines] Vest. rentg., 1944, **26**: 56–60, 4 pl.—**Jones, C. D. P.** Wounds inflicted by anti-personnel mines Lancet, Lond., 1945, **2**: 44–6.—**Kadokura, M.** Syokurai ni yoru sensyō, toku-ni syokurai ni yoru attei-syō ni tuite [War wounds due to contact mines, especially compression wounds due to contact mines] Nippon gekagakkai zassi, 1942–43, **43**: 828–36.—**Lacroix, P.** Les blessures par mines terrestres. Concours méd., 1945, **67**: 948.—**Le Génissel & Sarrouy, R.** Les lésions du squelette du pied par éclatement de mine antipersonnel. J. radiol. électr., 1946, **27**: 414–8, illust.—**Popovjan, I. M.** Aknarepesz eltávolítása a jobb tüdő felső lebenyéből. Honvédorvos, 1950, **2**: 718 (Abstr.)—**Ruggieri, E.** Su alcune lesioni traumatiche degli arti inferiori provocate da scoppio di mine o di siluri. Ann. med. nav., Roma, 1942, **48**: 523–8.—**Rycroft.** Deep intraocular infection due to mines. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 124–6.—**Siebner, M.** Ueber Minenverwundungen. Zbl. Chir., 1942, **69**: 1922–8.—**Solymár, J.** Hólyagba vándorolt aknarepesz. Honvédorvos, 1950, **2**: 429–31, illust.

MINERAL water.

See also **Therapeutics,** Balneotherapy.

Bakrdžiev, V. N. Stimulacionnoto vzdejstvie na mineralnata voda Vidnia, Ovča kupel, vrkhu granulirašći rani. Voen. san. delo, Sofia, 1947, **2**: 196–200.—**Duhot, E.** Séquelles de guerre et cures thermales. Prat. méd. fr., 1932, **13**: 395–417.—**Forestier, J., & Lacapère, J.** Des séquelles des événements de guerre et de leur traitement par les cures hydrominérales; affections ostéo-articulaires. Presse therm. clim., 1946, **83**: 125–30.—**Iversenc, R. M. J., Bastard, J. L. A., & Brugne.** Etude des variations de toxicité de certains poisons sous l'influence des eaux sulfureuses de Barèges. Rev. Serv. san. mil., Par., 1939, **110**: 997–1023.—**Jones.** Bad Oeynhausen. J. R. Army Vet. Corps, 1950, **21**: 21–3.—**Jossand.** Séquelles nerveuses des événements de guerre et d'après-guerre et leur traitement hydrominéral et climatique. Presse therm. clim., 1946, **83**: 130–2.—**Martínez Castilla, M.** Características analíticas de algunas aguas de la zona del Rif. Bol. farm. mil., Madr., 1936, **14**: 46–8.—**Schiavone, E. L.** Mineralización general de las aguas; características de las diversas fuentes y contaminación de las mismas. Rev. san. mil., B. Air., 1942, **41**: 743–50.

MINE safety.

See **Carbon monoxide,** Indicator.

MISSILE.

See **Ballistics; Projectile; Weapon.**

MITE.

See also **Entomology; Insect.**

Booth, J. A., White, B. D., & Robbins, R. L. Dermatitis associated with Liponyssus nagayoi. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 8, 12.—**Culpepper, G. H.** Mites; skin treatments. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 12.—**Dermatitis** apparently caused by the rat mite, Liponyssus nagayoi. Ibid., 1948, No. 2, 70.—**Hill, M. A., & Gordon, R. M.** An outbreak of dermatitis amongst troops in North Wales caused by rodent mites. Ann. Trop. M. Parasit., Liverp., 1945, **39**: 46–52.—**K., C. P.** Protection against mites by clothing impregnated with dimethylphthalate. Bumed News Lett., Wash., 1944, **4**: No. 7, 1–3.—**Keegan, H. L.** Laelaptid mites as disease vectors. U. S. Armed Forces M. J., 1950, **1**: 321–4.

MITICIDE.

See also **Clothing,** impregnated.

SNYDER, F. M. A new method for testing the protection afforded by miticides. 10p. 27cm. Edgewood Arsenal, 1947.

Forms No. 106, Rep. Med. Div. Chem. Corps U. S. Army.

—— & CHADWICK, L. E. An analysis of certain factors which influence the results of miticide tests. 11p. 27cm. Edgewood Arsenal, 1946.

Forms No. 93, Rep. Med. Div. Chem. Corps, U. S. Army.

Draize, J. H. Toxicity of insect repellents, miticides, lousicides, and insecticides. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 2, 25; No. 3, 44.—**Travis, B. V., & Smith, C. N.** Miticides and mite repellents. Ibid., No. 4, 96–9.

MOBILE dispensary.

See under **Dispensary.**

MOBILE hospital.

See **Dental service,** Mobile unit; **First aid,** Mobile unit; **Hospital,** mobile; **Hospitalization,** mobile.

MOBILE medical team.

See under **Emergency medical field unit.**

MOBILE unit.

See **Dental service,** Mobile unit; **Motorization.**

MOBILE warfare.

Chiurco, G. A. Organizzazione sanitaria tedesca nella guerra di movimento. Atti Accad. fisiocr. Siena, 1941, **9:** 81–99.—**Cowell, E. M.** Miksche, F. O.: Blitzkrieg [Bk Rev.] J. R. Army M. Corps, 1942, **78:** 53; passim.—**Delfín Cataldi, M.** La Blitzkrieg, de mayo de 1940. Rev. mil., La Paz, 1941, **5:** 373, passim.—**Derher, C.** Forma en que el soldado del cuerpo médico hace frente à la blitzkrieg. Rev. san. mil., Habana, 1943, **7:** 197–208.—**Gómez Ulla, M.** El tratamiento de los casos quirúrgicos urgentes en los puestos avanzados de una guerra de movimiento. Siglo méd., 1933, **92:** 362; 392; 411.—**González de Mendoza, A.** El arma rápida. Ejército, 1942, No. 30, 17–24.—**Hamilton, I. W.** Back from the blitz. J. Canad. Dent. Ass., 1941, **7:** 486–8.—**Layton, T. B.** Medical tactics in mobile warfare; lecture 2: Local movement, Jericho–Jordan–Moab. J. R. Army M. Corps, 1936, **67:** 18–30.—**Lloyd-Williams, I. H.** Musings on medical evacuation in mobile warfare. Ibid., 1941, **76:** 212.—**Sanidad** (La) militar frente a la blitzkrieg. Rev. mil. Perú, 1944, **41:** 349.—**Schneider.** Emploi tactique des avions sanitaires dans le guerres européennes; guerres de mouvement. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 157–74.—**Struppler, V.** Beobachtungen an Bauchverletzten im Bewegungskrieg. Deut. Militärarzt, 1942, **7:** 115–22.—**Wagner, H. V.** Tratamiento de los casos quirúrgicos urgentes en los puestos avanzados en la guerra de movimiento. Congr. internac. med. farm. mil., 1933, **2:** tema 4, 322–4. Also German tr., Chirurg, 1935, **7:** 400–4.—**West, J. W.** Tratamiento, en los puestos avanzados, de los casos quirúrgicos urgentes, en la guerra de movimiento. Congr. internaz. med. farm. mil., 1933, **2:** tema 3, 67–89, pl.

MOBILIZATION.

See also **Camp;** also **Demobilization; Dentist,** Defense role; **Preparedness.**

Cusset, H. *Essai sur les psychoses de mobilisation [Lyon] 24p. 26cm. St Etienne, 1939.

Palmer, R. R. Mobilization of the Ground Army. p. 185–259. 25½cm. Wash., 1947.
In: U. S. Army in World War II, Wash., 1947, AGF 1:

United States. National Resources Planning Board. Conference on Postwar Readjustment of Civilian and Military Personnel. Demobilization and readjustment; report of the conference. 106p. 23cm. Wash., 1943.

United States. War Department. MTP 8–1: Medical Department mobilization training program for Medical Department units at unit training centers. 16p. 23cm. Wash., 1942.

—— MTP 8–4: Medical Department mobilization traning program for applicatory training of medical and surgical technicians in military or civil hospitals. 4p. 27cm. Wash., 1942.

—— MTP 8–5: Medical Department mobilization training program for medical replacement training center. 23p. 23cm. Wash., 1943.

—— MTP 8–10: Medical Department mobilization training program for the unit training of field medical units by the services of supply. 18p. 23cm. Wash., 1942.

Andrews, J. N. Demobilization, rehabilitation and reemployment of veterans. Indust. Hyg. Digest, 1943, **7:** No. 11, 2–4.—**Anordnungen** des Reichsgesundheitsführers Anordnung Nr. 2 [43'] Mitwirkung der Gesundheitsberufe, Krankenhäuser usw. beim Einsatz von Männern und Frauen für Aufgaben der Reichsverteidigung. Gesundheitsführung, 1943, 51.—**Azaola, R.** Un aspecto sanitario de la desmovilización. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 365–8.—**Bailey, P.** Neuropsychiatry and the mobilization. N. York M. J., 1918, **107:** 794.—**Bierring, W. L.** Report of the Committee on Public Health in areas of mobilization. Tr. Conf. State Terr. Health Off., 1940, Spec., 165–8.—**Bird, C. R.** Mobilization and its objectives. J. Indiana M. Ass., 1940, **33:** 456–8. ——— Mobilization and preparedness. Ibid., 1942, **35:** 720.—**Borelius, J.** Är vår mobiliserade armés s. k. första förband ändamålsenligt? Allm. sven. läk. tidn., 1915, **12:** 241.—**Chappotin y Diaz, M., & Muñiz Angulo, L.** Proyecto de movilización del servicio de sanidad. Rev. san. mil., Habana, 1939, **3:** 4–22.—**Chisholm, G. B.** Emotional problems of demobilization. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25:** 63–9.—**Christie, A. C.** Some medical lessons of the mobilization. Med. Ann. District of Columbia, 1944, **13:** 139–45.—**Daniels, J.** Mobilizing civilian America to win the war. Proc. Nat. Conf. Social Work, 1942, **69:** 45–56.—**Dassonville, R.** Note au sujet de l'incorporation des recrues indigènes dans un détachement de tirailleurs algériens. Bull. Soc. méd. mil. fr., 1936, **30:** 160–2.—**Dornickx, Ch. G. J., & Peeters, H.** [Military hygiene service during mobilization 1939/1940] Geneesk. gids, 1941, **19:** 408; passim.—**Education** before demobilization. Nature, Lond., 1944, **154:** 525–8.—**Fairbank, L. C.** Mobilization and what it means to dentistry. Dent. Items, 1940, **62:** 1022–5.—**French** medical mobilization. J. Am. M. Ass., 1939, **113:** 1578.—**Grunfeld, J.** Mobilization of women in Germany. Social Res., 1942, **9:** 476–94.—**Hitchens, A. P.** Experience of the Army and Civilian conservation corps in handling newly mobilized men. Am. J. Pub. Health, 1940, **30:** 1297–1301.—**Khodorovsky, A.** Mobilizacia. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1122.—**Lamb, R. K.** Man-power mobilization for war production. Proc. Nat. Conf. Social Work, 1942, **69:** 158–66.—**Layton, T. B.** Surge! age! to the students and nurses of Guy's. Guy's Hosp. Gaz., Lond., 1942, **56:** 154–6.—**Medical** control of mobilization. J. Am. M. Ass., 1940, **115:** 1280.—**Mobilizing** man power for war. Connecticut M. J., 1942, **6:** 52–4.—**Moseley, G. V. H.** Industry and national defense. Mil. Surgeon, 1931, **68:** 1; 346; 478.—**Mountin, J. W., Vonderlehr, R. A.** [et al.] Health administrative problems arising out of mobilization. Tr. Conf. State Terr. Health Off., 1940, Spec., 46–79.—**Munly, W. C.** Notes on medical service in the present mobilization. Surgery, 1941, **9:** 304.—**On** the floor of the House. Lancet, Lond., 1941, **2:** 711.—**Release** from the Forces; re-allocation of man-power. Pharm. J., Lond., 1944, **99:** 134.—**Shartle, C. L.** Occupational and vocational counseling of military and civilian personnel during the period of post-war demobilization and the years immediately thereafter. Psychol. Bull., 1944, **41:** 697–705.—**Vigne, P.** La loi du 11 juillet 1938 sur l'organisation générale de la nation pour le temps de guerre interprétée par un Français moyen. Avenir méd., Par., 1938, **35:** 300–2.—**Word, B., & Leone, G. E.** Medical problems initiated by the mobilization of man-power. J. M. Ass. Alabama, 1941–42, **11:** 54–6.

MOJAVE desert.

See under **Desert.**

MOLAR.

See also **Tooth.**

Caldwell, J. B. Control of postoperative pain in lower third molar surgery; a preliminary report. Mil. Surgeon, 1947, **101:** 431–5.—**Catoni Aldana, L.** Restauraciones sobre molares con dientes tubos. Rev. san. mil., B. Air., 1940, **39:** 412–28, illust.—**Charles, G. F.** An investigation into the eruption of third molars. J. R. Army M. Corps, 1934, **63:** 93–8.—**Huebsch, R. F.** Dentigerous cyst originating from an inverted mandibular third molar tooth; report of a case. U. S. Nav. M. Bull., 1949, **49:** 306–8.—**Mensi, A. A.** El tercer molar inferior en ortodoncia. Rev. san. mil., B. Air., 1942, **41:** 47–53, illust.—**O'Keeffe, H. E.** Fracture of impacted wisdom tooth. Bull. U. S. Army M. Dep., 1944, No. 80, 24.—**Taylor, R. S.** Some observations on the infectivity of wisdom teeth. J. R. Army M. Corps, 1933, **60:** 359–64.—**Ursachi, A.** Considerațiuni asupra accidentelor de erupție ale molarului de minte in mediul militar. Rev. san. mil., Bucur., 1936, **35:** 1133–6.—**Welborn, S. J.** Neuralgic reflex from impacted lower third molar. U. S. Nav. M. Bull., 1946, **46:** 1212.—**Will, G. W.** An unerupted supernumerary impacted left upper molar. J. R. Army M. Corps, 1937, **68:** 405–7. ——— A further case of impacted wisdom teeth. Ibid., 1938, **70:** 48.

MOLLUSCA.

Stirewalt, M. A., & Kuntz, R. E. A comparison of the effectiveness of several molluscicides against different species of snails. 8p. 27cm. Bethesda, 1946.

Forms Rep. No. 8, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

—— Two molluscicides of promise. 8p. 26½cm. Bethesda, 1947.

Forms Rep. No. 10, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

Merle, R. Malacologie de guerre. Nature, Par., 1949, 214–6.

MOLLUSCUM contagiosum.

See also **Dermatosis.**

Kropf, J. E. Molluscum contagiosum. Hosp. Corps Q., 1943, **16:** No. 4, 73.—**Leamer, B. V.** Molluscum contagiosum; report of case. U. S. Nav. M. Bull., 1936, **34:** 76.—**Sulzberger, M. B., & Jessner, M.** [Mollusca contagiosa; a benign, localized, transmissible, epithelial tumor due to a filtrable virus] Ibid., 1948, **48:** 434.

MONGOLIA.

See under **Wars and campaigns** (1938)

MONOCYTIC leukemia.

Acanfora, G. Su un caso di leucemia acuta (monocitoide?) Ann. med. nav., Roma, 1935, **41**: pt 2, 916–28.—**Benelli, C., & Geyer, A.** Leucémie aiguë à forme de paramyéloblastose monocytoïde de Naegeli. Rev. méd. nav., Par., 1948, **3**: 91–6.—**Bowman, A. J., & Pemberton, A. H.** Acute monocytic leukemia. Med. Bull. Veterans Admin., 1935–36, **12**: 303–7.—**Miller, B.** Monocytic leukemia simulating carcinoma of the stomach. Ibid., 1938–39, **15**: 307–9.—**Tudomi, T.** [A case of autopsy on monocytic leucemia.] Bull. Nav. M. Ass., Tokyo, 1934, **23**: 516–21.

MONOFLUOROACETATE.

See **Fluoroacetate.**

MONONUCLEOSIS.

Airola, V. R., & Sherman, P. H. Infectious mononucleosis; report of an unusual case. U. S. Nav. M. Bull., 1949, **49**: 277–9.—**Berberich, W. F., & Thomas, F. H., jr.** Infectious mononucleosis. Ibid., 271–6.—**Brousses & Faure.** Adénolymphoïdite aiguë bénigne; angine à monocytes à forme hémorragique. Bull. Soc. méd. mil. fr., 1938, **32**: 543–51.—**Crosfill, J. W. L.** Pseudo-leukaemic eosinophilia complicated by gangrenous appendicitis, as a possible manifestation of infectious mononucleosis, with observations on the mutual antagonism between lymphocytes and granulocytes. J. R. Nav. M. Serv., 1945, **31**: 215–28.—**Curti, R. E., & Rosenkrantz, J. A.** Infectious mononucleosis and acute infectious lymphocytosis. Mil. Surgeon, 1946, **98**: 304–7.—**Diasio, J. S.** Infectious mononucleosis; report of 2 unusual cases. Ibid., 1942, **90**: 647–50.—**French, P. K.** Infectious mononucleosis. Air Surgeon Bull., 1945, 2: 414.—**Glandular** fever. Bull. Army M. Dep., Lond., 1943, No. 29, 2.—**Glandular** fever; infective mononucleosis. R. Naval M. Bull., 1943, No. 5, 24.—**Graham, S. D., Schwartz, W. H., & Chapman, W. L.** Infectious neuronitis complicating infectious mononucleosis. U. S. Nav. M. Bull., 1949, **49**: 914–9.—**Greene, M. J.** Infectious mononucleosis simulating acute appendicitis; report of a case aboard ship. Mil. Surgeon, 1946, **98**: 400.—**Hicks, S. P.** Rupture of the spleen in infectious mononucleosis; report of a case. U. S. Nav. M. Bull., 1948, **48**: 460–2.—**Hirsch, F. G.** Infectious mononucleosis; report of a relapsing case treated with chloromycetin. Ibid., 1949, **49**: 1081–4, illust.—**Infectious** mononucleosis. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, No. 2, 9.—**Jacobs, E. C.** Infectious mononucleosis; a recrudescence following surgery. Bull. U. S. Army M. Dep., 1948, **8**: 950–3.—**Kalk, H.** Infektiöse Mononucleose. Deut. Militärarzt, 1937, **2**: 201–3.—**Lyons, H. A.** Aureomycin in the treatment of infectious mononucleosis. U. S. Nav. M. Bull., 1949, **49**: 1076–80.—**Macdonald, I. C.** Glandular fever (infectious mononucleosis) J. R. Nav. M. Serv., 1938, **24**: 99–107.—**Mackay-Dick, J.** Two cases of infective mononucleosis. J. R. Army M. Corps, 1944, **82**: 279–82.—**Mathers, G., & Evans, A. T. G.** An epidemic of infectious mononucleosis on a troopship. Ibid., 86–8.—**Mauvais & Dutel.** Un cas de mononucléose infectieuse à évolution particulièrement grave. Bull. Soc. méd. mil. fr., 1946, **40**: 129–31.—**Mitchell, R. H., & Zetzel, L.** Infectious mononucleosis in the Army. War Med., Chic., 1944, **5**: 356–60.—**Morhouse, C. H., & Morrill, E. E., jr.** A study of the incidence diagnosis and antibiotic treatment of infectious mononucleosis at Randolph and Lackland Air Force Bases. Q. Res. Rep. U. S. School Aviat. M., 1949, July, 42; Oct., 42.—**Nolan, R. A.** Report of so-called epidemic of glandular fever (infectious mononucleosis) U. S. Nav. M. Bull., 1935, **33**: 479–91. ——— The nodal triangle. Ibid., 1936, **34**: 523–7, 3 pl.—**Paul, O.** Mononucleosis on board a destroyer. Ibid., 1945, **44**: 614–7.—**Perisho, G. M., & Sargent, D. V.** Acute infectious mononucleosis simulating acute abdominal emergency; report of four cases occurring aboard ship. Ibid., **45**: 215–20.—**Piccoli, G.** Caso di febbre ghiandolare di Pfeiffer in adulto, a reazione linfocitica. Gior. med. mil., 1937, **85**: 620–35.—**Poole, L. T., & Findlay, H. T.** Laboratory diagnosis of glandular fever (infectious mononucleosis) J. R. Army M. Corps, 1936, **66**: 145–55.—**Power, P., & Boucher, F. T.** Some notes on two cases of glandular fever. Ibid., 1931, **56**: 293–8.—**Priest, R.** Glandular fever. Ibid., 1935, **65**: 159–64.—**Raeburn, C.** Glandular fever, B. A. O. R., 1945. Ibid., 1946, **87**: 78–80.—**Rose, S. A.** Report of an unusual case of infectious mononucleosis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 23, 20–2.—**Solomons, B.** Infective mononucleosis; some meningeal features. J. R. Nav. M. Serv., 1945, **31**: 178.—**Spingarn, C. L., Jones, J. P., & Owrutzky, B.** Cold hemagglutinins in infectious mononucleosis. U. S. Nav. M. Bull., 1944, **43**: 717–9.—**Spring, M.** Jaundice in infectious mononucleosis. Bull. U. S. Army M. Dep., 1944, No. 81, 102–13.—**Stewart, D. N., jr.** Infectious mononucleosis; report of case in a Negro. U. S. Nav. M. Bull., 1947, **47**: 889–91.—**Walker, W. H.** Infectious mononucleosis; study of 29 cases. Bull. U. S. Army M. Dep., 1944, No. 83, 80–93.—**Wechsler, H. F., Rosenblum, A. H., & Sills, C. T.** Infectious mononucleosis; report of an epidemic in an Army fort. Ann. Int. M., 1946, **25**: 113; 236.—**White, J. R.** Infectious mononucleosis; a case report. U. S. Nav. M. Bull., 1942, **40**: 173–5.—**Willoughby, H. M., & Barrett, R. H.** A case of glandular fever (infectious mononucleosis) J. R. Nav. M. Serv., 1938, **24**: 142.—**Wood, G. H., & Ciappara, S. J. P.** An interesting case of infectious mononucleosis. J. R. Army M. Corps, 1944, **83**: 245.—**Worthington, R. W., & Fleischaker, R. J.** Infectious mononucleosis; report of a case following herniorrhaphy. U. S. Nav. M. Bull., 1949, **49**: 719–23.—**Yanquell, C. C.** Glandular fever with inguinal adenopathy. Ibid., 1927, **25**: 358–61.

MONTE Cassino.

See under **World War II.**

MONTENEGRO.

See under **World War I.**

MORALE.

See also **Civilian Defense; Combat,** Air combat; **Discipline; Education,** Role of medical officer; **Esprit de corps; Leadership.**

MacCurdy, J. T. The structure of morale. 224p. 19½cm. N. Y., 1943.

Appel, J. W. Psychology and morale. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 468–80.—**Army** morale and the Medical Reserve Corps. J. Am. M. Ass., 1941, **117**: 1540.—**Baeyer, v.** [Spread of discontent in the Army] CIOS Rep., Lond., 1945, Item 24, No. XXVIII–49, 44.—**Banks, C. L.** La moral de las tropas en las pequeñas islas del Pacífico (transl.) Rev. mil., B. Air., 1949, **49**: 231–4.—**Bell, R.** War and mental trauma. Brit. M. J., 1942, **1**: 30.—**Brock, A. J.** Boredom and barbed-wire disease. Ibid., 1940, **1**: 744.—**Child, I. L.** Morale; a bibliographical review. Psychol. Bull., 1941, **38**: 393–420.—**Chisholm, G. B.** Problem of morale. J. Canad. M. Serv., 1944–45, **2**: 688–90. Also Mil. Surgeon, 1945, **96**: 121–3.—**Crichton-Miller, H.** Fortitude in war. Ment. Health, Lond., 1940, **1**: 65–9.—**Dittrick, A. R.** Morale services of a reconditioning program. Proc. Recondit. Conf., Atlantic City, 1944, 11–5.—**Duckwall, B. F.** Eccentricity; a factor in leadership and morale. Mil. Surgeon, 1926, **58**: 524–9.—**Flumerfelt, J. M.** Observations on morale factors in overseas non-combat service. Ibid., 1945, **96**: 265–9.—**Geoghegan, J.** Morale. Nature, Lond., 1942, **150**: 9–12.—**Gillespie, R. D.** Morale; individual and national. In his Psychol. Effects of War, N. Y., 1942, 209–16.—**Godeau, B. E. M.** Le moral du soldat. Arch. belg. Serv. san. armée, 1940, **93**: 17–60. Also Deut. Militärarzt, 1940, **5**: 439 (Abstr.)—**Greenwood.** Boredom on the home front. Brit. M. J., 1940, **1**: 636.—**Hauer, A.** Das seelische Moment als hygienischer Factor; eine Betrachtung über den Feldzug in Deutsch-Ostafrika. Arch. Schiffs. Tropenhyg., 1925, **29**: Bhft 1, 155–9.—**Heathcote, G. S.** Morale in war. Mil. Rev., Fort Leavenw., 1942–43, **23**: No. 2, 87 (Abstr.)—**Hick, W. E.** Soldier's defence and public's attitude. Lancet, Lond., 1941, 2: 383.—**Importancia** de los factores morales. Rev. mil., La Paz, 1943, **7**: 545–9.—**Jenkins, J. G.** The nominating technique as a method of evaluating air group morale. J. Aviat. M., 1948, **19**: 12–9.—**L., A. H.** Definition of morale. Bumed News Lett., Wash., 1944, **4**: No. 3, 18.—**Leighton, A. H.** A working concept of morale for flight surgeons. Mil. Surgeon, 1943, **92**: 601–9.—**Letona, J. L. de.** Laz razones del corazón. Ejército, 1942, No. 29, 29–31.—**MacKinnon, D. A.** Motivation and morale. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 312–43.—**Mercier, R. G.** Moral del combatiente. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 32–4. ——— La moral del soldado. Ibid., 178. ——— Medios de descubrir el decaimiento moral. Ibid., 183–9. ——— Manifestaciones de baja moral. Ibid., 189–203.—**Military** morale. Med. Rec., N. Y., 1941, **153**: 341.—**Mira y López, E.** Morale. In his Psychiatr. in War, N. Y., 1943, 119–43.—**Montgomery, B. L.** Morale in battle; address given to the Royal Society of Medicine. Brit. M. J., 1946, 2: 702–4. ——— Morale: with particular reference to the British soldier. Med. Press, Lond., 1946, **216**: 351–4.—**Munson, E. L.** Morale and psychology. Mil. Surgeon, 1929, **64**: 894–905.—**Schreiber, J.** Morale aspect of military mental hygiene. Dis. Nerv. Syst., 1943, **4**: 197–201.—**Sillman, L. R.** Morale. War Med., Chic., 1943, **3**: 498–502.—**Stafford-Clark, D.** Morale and flying experience; results of a wartime study. J. Ment. Sc., Lond., 1949, **95**: 10–50.—**Stute, K.** Soldatische Haltung. Illust. Ztg, 1941, Jan., 63.—**Sullivan, H. S.** Psychiatry and morale. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 327–40.—**Tureen, L. L., & Linn, L.** A study of morale, psychosomatic symptoms, and neurotic tendencies in groups of overseas soldiers. Tr. Am. Neur. Ass., 1946, **71**: 9–13.—**Ulio, J. A.** Military morale. Am. J. Sociol., 1941–42, **47**: 321–30.—**War** and morale. J. Ind. M. Ass., 1942–43, **12**: 19.—**Warner, N.** The morale of troops on occupation duty. Am. J. Psychiat., 1945–46, **102**: 749–57.—**Woods, W. A.** Morale factors of naval non-combatants. J. Social Psychol., 1946, **24**: 217–26.

—— Building and maintenance.

See also **Mental hygiene.**

United States. War Department. Pamphlet No. 28–1: The Morale Services Division. 15p. 13½cm. Wash., 1943.

Bassan, M. E. Some factors found valuable in maintaining morale on a small combatant ship. Bull. Menninger Clin., 1947, **11**: 33–42.—**Brotemarkle, R. A.** Development of military morale in a democracy. Ann. Acad. Polit. Social Sc., 1941, **216**: 79–87.—**Clarke, A. W.** Maintaining morale in fighting men at sea. Med. Ann. District of Columbia, 1944, **13**: 399–404.—**Committee** to direct morale. J. Am. M. Ass., 1942, **119**: 509.—**Osborn, F. H., Taft, C. P., & Draper, W. H.,** jr. Building morale in the United States Army and Navy, as described in a radio broadcast by three government officials. J. Social Hyg., 1941, **27**: 221–7.—**Schröder, H. J.** Mental conditioning for war. Mil. Rev., Fort Leavenw., 1944–45, **24**: 50–3.—**Ulio, J. A.** Building military morale. Hygeia, Chic., 1941, **19**: 792–5.—**Weinshel, L. R.** The care of the soldier's spirit. Milwaukee M. Times, 1942, **15**: No. 7, 19–21.

—— civilian.

American Psychiatric Association. Military Mobilization Committee. Psychiatric aspects of civilian morale. 62p. 23cm. N. Y., 1942.

Hauser, K. D. Morale of contractors' employees. In: Prev. Med. in World War II, Wash., 1948, **8**: 227.—**Menninger, K. A.** Civilian morale in time of war and preparation for war. Bull. Menninger Clin., 1941, **5**: 188–94.—**Schmeidler, G. R., & Allport, G. W.** Social psychology and the civilian war effort; May 1943–May 1944. J. Social Psychol., 1944, **20**: 145–80.—**Thom, D. A.** Civilian morale in war. Hygeia, Chic., 1942, **20**: 40.

—— in wartime.

Babson, R. W. Aid to wartime morale. Accid. Health Rev., Indianap., 1942, **35**: No. 2, 5.—**Barbour, R. F.** Morale in wartime. Med. Press & Circ., Lond., 1941, **206**: 337–9.—**Brainard, D. S.** Morale in wartime. Proc. Minnesota Acad. Sc., 1942, **10**: 69–74.—**Cot, P.** Morale in France during the war. Am. J. Sociol., 1941–42, **47**: 439–51.—**Estes, W. K., & Estes, K. W.** Minnesota studies in war psychology; a set of miniature scales for the measurement of attitudes related to morale. J. Social Psychol., 1944, **20**: 265–76.—**Haugen, G. B.** Mental health in wartime. Oregon Health Bull., 1943, **21**: No. 8, 3.—**James, A. A.** Emotional adjustment and morale in war. Nova Scotia M. Bull., 1949, **28**: 1–8.—**Minderman, E.** Recreation and wartime morale. J. Health Phys. Educ., 1942, **13**: 142.—**Morale** in wartime. Am. Sociol. Rev., 1942, **7**: 107–10.

MORBIDITY.

See also **Disease; Fitness; Record; Sick; Statistics; Tuberculosis; Venereal disease;** also under other names of diseases.

Bowden, L. N. The seaman ashore and afloat. World Health, Geneva, 1927, **8**: 168–71.—**Hogben, L., & Johnstone, M. M.** The relation of morbidity to age in an army population. Brit. J. Social M., 1947, **1**: 149–81.—**Macpherson, W. G.** Note on the diagnosis tallies of different armies. C. rend. Congr. internat. méd., 1909, 16. Congr., Sect. 20, San. Mil. & Mar., 86–93.—**Mazzeo, M.** Morbosità in tempo di guerra. Igiene & san. pubb., 1945, **1**: 129–54.—**Morbidity** in the two World Wars. Bull. U. S. Army M. Dep., 1944, No. 75, 58–61.—**Myrdacz.** Ergebnisse der internationalen Militär-sanitätsstatistik. Militärarzt, 1909, **43**: 305; passim.—**Schwiening, H.** Internationale Militär-Sanitätsstatistik. Deut. mil. ärztl. Zschr., 1908, **37**: 58–70. ——— Ueber einige Irrtümer auf dem Gebiete der Heeres-Sanitätsstatistik. Ibid., 1910, **39**: 637–43.—**Tandler, G.** Das Morbiditätsschema des Dienstbuches N–6. Militärarzt, 1912, **46**: 193–9.—**Tauber, A. S.** Otčet o komandirovke v Madrid dlja učastija v Meždunarodnoj komissii po objedineniju voenno sanitarnoj statistiki. Voen. med. J., S. Peterb., 1903, **3**: med. pt, 347–60.—**Vallquist, J. G. R.** [Some views on morbidity statistics] Tskr. mil. hälsov., 1931, **56**: 225–50.—**Van Auken, H. A.** Statistical review. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 4, 125–7, 7 ch.

—— Algeria.

Dettling & Maisonnave. Une épidémie de fièvre typhoïde, due à l'infection du sol, au camp de Saint-Maur en 1906. Arch. méd. pharm. mil., 1908, **52**: 117–39., pl.

—— Argentina.

Acción de la sanidad militar en el medio civil; difteria en Tinogasta, Catamarca. Rev. san. mil., B. Air., 1939, **38**: 178.—**Bacigalupo, J.** Porcentaje de ancylostomiasis en las tropas de las unidades de la Provincia de Corrientes. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 690.—**Bejarno, J. F. R.** Epidemiología; la difteria en el Ejército argentino. Rev. méd. lat. amer., B. Air., 1939–40, **25**: 1003–29. Also Rev. san. mil., B. Air., 1940, **39**: 19–43.—**Fiebre** (La) tifoidea en el Ejército argentino durante los diez últimos años. Ibid., 1924, **22**: 35–56.—**Gallac, H. I.** El tracoma, enfermedad endémica en la 5ª región militar. Ibid., 1940, **39**: 1029–38.—**Lema Maciel, M.** La morbilidad en la primera región militar durante el año 1909. Sem. méd., B. Air., 1910, **17**: 681–90.—**Mainoli, M. R.** El tracoma en la 5. división de Ejército. Rev. san. mil., B. Air., 1941, **40**: 511; 639.—**Pasqualini, R. Q., & Donnes, A. V.** Frecuencia del reumatismo poliarticular agudo en el Ejército argentino. Rev. argent. card., 1942–43, **9**: 367–74.

—— Australia.

Summons, W. Report on the enterica cases at the First Australian General Hospital at Heliopolis. Med. J. Australia, 1916, **1**: 375–7.

—— Austria.

Bass, E. Die Typhus epidemie in der Garnison Laibach im Sommer 1907. Militärarzt, 1908, **42**: 81, 101, 150.—**Taussig, O.** Ueber eine Manöver-Typhusepidemie aus dem Marodehause in Bosnisch-Višegrad. Ibid., 1901, **35**; 89–94.—**Trenkler, R.** Zpráva o průběhu tyfové epidemie u 1. praporu 17. pěš. pluku v Lublani. Cas. lék. česk., 1908, **47**: 363–8.

—— Belgium.

Belgium. Ministère de la défense nationale. Service de santé. Statistique médicale de l'Armée belge. Brux., 1907–

Bodart, A. Les affections nerveuses et mentales à l'Armée belge; tableaux statistiques des années 1932 et 1933. J. belge neur. psychiat., 1934, **34**: 575–85. Also Arch. méd. belg., 1935, **88**: 17–26.—**Giacometti.** Relazione sullo stato sanitario delle truppe accampate nel Belgio nell'anno 1851, del Dott. de Condé, medico di reggimento. Gior. med. mil., 1851–52, **1**: 297; passim.—**Houtave.** Note sur une epidémie de caserne à Bruges. Arch. méd. belges. 1902, 4. ser., **20**: 361–70.—**Rhumatismes** (Les) à l'Armée; questionnaire. Bull. internat. Serv. santé, Liége, 1938, **11**: 264–6.

—— Bolivia.

Fragmentos importantes del informe de sanidad militar correspondiente a la gestión de 1939–40. Rev. san. mil., La Paz, 1940, **4**: 829.

—— Brazil.

Bitencourt, V. T., & Lima, C. P. Resumo da estatística sanitaria do Exército referente ao ano de 1935. Rev. med. mil., Rio, 1938, **27**: 402–22.—**Bitencourt, V. T. filho, & David, G.** Estatística médico-militar; nota sobre o resumo da estatística sanitaria do Exército, referente ao ano de 1936. Ibid., 1939, **28**: 52–84. ——— **& Santos Figueiredo, R.dos,** jr. Notas sobre o resumo da estatística sanitária do Exército do ano de 1937. Ibid., 1940, **29**: 203–32.—**Campos, M. de.** Conclusões sobre o surto epidemico de paratypho, verificado no antigo 52° batalhão de caçadores, aquartelado na rua do Areal. Bol. Soc. med. cir. mil., Rio, 1919–20, **5**: 297.—**David, G.** Notas sobre o resumo da estatística sanitária do Exército do ano de 1939. Rev. med. mil., Rio, 1942, **31**: 67–96.—**Estatística** nosológica referente a 1942; 1943. An. Hosp. centr. exerc., Rio, 1943, **8**: 181; 1944, **9**: 197.—**Falcão Neto, J. C. de M.** Hospitalização por helmintoses no Exército brasileiro; análise estatística do decênio 1937–1946. Rev. med. mil., Rio, 1948, **37**: 543–9. ——— Aspectos epidemiológicos das infecções tifoídicas no Exército brasileiro. Ibid., 551–67.—**Franchelli, N.** Relação da molestia scorbutica, que atacou varios individuos da equipagem da regia fragata sarda Euridice, durante a viagem do Pará au Rio de Janeiro. Rev. med. fluminense, 1839, **4**: 341–5.—**Franco do Amaral, A. D., & Azzi Leal, R.** Nota sôbre a incidência de vermes e protozoários intestinais entre soldados do Exército, com referência especial aos portadores de cistos de Endamoeba histolytica. Rev. clín. S. Paulo, 1943, **13**: 91–101.—**Galvão, A. L. A., Ferreira, L. M., & Aloe, R.** Observações sôbre parasitoses intestinais em soldados aquartelados em São Paulo. Ann. Fac. med. S. Paulo, 1945, **21**: 187–203.—**Gaspar de Oliveira, M. T.** Synopse da estatística sanitaria do Exército brasileiro, referente ao ano de 1934. Rev. med. mil., Rio, 1935, **24**: 381–96.—**Meireles, M. M.** Incidência das helmintíases em soldados do Exército da guarnição do Distrito Federal. Ibid., 1948, **37**: 455–64.—**Oliveira Freitas, W. de.** Alguns dados profiláticos e terapêuticos. Arq. brasil. med. nav., 1941, **2**: 265–75, 3ch.—**Ponce, G. de O.** Resumo da estatística das inspeções de saúde de convocados realizadas no primeiro trimestre de 1948. Rev. med. mil., Rio, 1949, **38**: 52–64.—**Sinopse** da estatística sanitária do Exército brasileiro correspondente ao ano de 1944; 1945. Ibid., 1948, **37**: 171; 1949, **38**: 227.—**Toscano, R., & Vasconcellos, D.** Incidência de helmintoses no Hospital militar de Recife. Rev. brasil. med., 1949, **6**: 177–9.—**Vasconcellos, D. C. L. de, & Bareto, R. C. T.** Incidência de helmintos no Hospital militar de Recife. Rev. med. mil., Rio, 1948, **37**: 251–6.

—— Bulgaria.

Tifusot v Tarnovskija garnizon. Sovriem. hig., Sofia, 1907, **1**: 299–302.

—— Canada.

Adamson, J. D., & **Ferguson, G. A.** Communicable disease in the Canadian Army. Canad. J. Pub. Health, 1949, **40:** 93–103.—**Feasby, W. R.** Acute respiratory disease in the Armed Forces. J. Canad. M. Serv., 1943–44, **1:** 535–8. —— Peptic ulcer in the Canadian Army (1940 to 1944) War Med., Chic., 1944, **6:** 300–3.—**Lane, R. A. G.** The peptic ulcer problem; a series of 181 cases from the Royal Canadian Navy. Canad. M. Ass. J., 1944, **50:** 353. Also J. R. Nav. M. Serv., 1945, **31:** 106–8.

—— Chile.

Adriasola, A. General statistical data relating to health conditions in the Navy of Chile. Tr. Internat. Congr. Hyg. & Demogr. (1912) 1913, 15. Congr., **5:** pt 2, 846.

—— China.

Sabatier, R. Note sur la fièvre typhoïde en Chine et en particulier dans la garnison de Pao-Ting-Fou. Arch. méd. pharm. mil., 1902, **39:** 457–69.

—— Cuba.

CUBA. ESTADO MAYOR DEL EJÉRCITO. SECCIÓN DE SANIDAD. La sanidad militar cubana, 1902–1927. 205p. 29cm. La Habana, 1928.

Machado de Cardenas, P. L. Informe médico sobre el personal de la Ayudantía general. Rev. san. mil., Habana, 1941, **5:** 91–4.—**Navarro y Hernández, C.** Estadísticas de morbilidad y mortalidad. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 89–103, ch.

—— Denmark.

[Cases of sickness treated in the Military hospital] Militaerlaegen, 1936, **42:** 33–82.—**Løbger, G. C.** Lidt om sanitaer statistik. Ibid., 1948, **54:** 63–80.

—— Egypt.

Priest, R. A fever of the typhus-group amongst the British troops in Egypt. J. R. Army M. Corps, 1935, **65:** 9–14.

—— Finland.

SUOMINEN, Y. K. 11. D:n 1942–1943-vuodenvaihteen hygienisistä olosuhteista; etulinja. p. 33–147. 21½cm. Helsin., 1949.

Sotilaslääk. aikak., 1949, **24:**

—— France (incl. colonies)

FRANCE. MINISTÈRE DE LA GUERRE. Statistique médicale de l'Armée. Par. (1863) 1865–

MARTIN, M. H. M. *La fièvre typhoïde dans les garnisons de l'est [Nancy] 151p. 8° S.-Nicolas, 1912.

PADIEU, C. E. R. *Une épidémie de fièvre typhoïde au 16e bataillon de chasseurs à pied, à Lille. 58p. 8° Lille, 1908.

Arnulf, G. A propos de huit cas de tétanos vus à la 1. Armée française. Afrique fr. chir., 1949, 160–3.—**Barthélemy.** Fièvre typhoïde et eau distillée à bord du Bouvet. Arch. méd. nav., Par., 1909, **92:** 336–42.—**Bellet.** Etat sanitaire de Dakar et du personnel de la marine pendant l'hivernage de 1906. Ibid., 1907, **68:** 423–8.—**Belot.** Le trachome dans la marine en Afrique du Nord. Arch. méd. pharm. nav., 1930, **120:** 163–99.—**Billet, A., Le Bihan, F.,** & **Louis, J. F.** L'épidémie de fièvre typhoïde dans la garnison de Saint-Brieuc en 1909. Arch. méd. pharm. mil., 1910, **55:** 281–304.—**Campmas.** Armée d'Afrique; aperçu des causes et des effets de l'épidémie de Bone. Gaz. san., Par., 1834, **2:** 134–40.—**Canis.** Les trachomateux dans les régiments Algériens de la métropole. Rev. internat. trachome, 1936, **13:** 137–41.—**Chabanne, J. B. C.** La péritonite typhoïdique dans la Marine française (de 1900 à 1910) Arch. méd. nav., Par., 1911, **95:** 81; passim.—**Curtillet, E.** Remarques sur des cas de tétanos observés à la Première Armée française. Afrique fr. chir., 1947, 287–9.—**Defoug, E.** Epidémie de fièvre typhoïde, observée au troisième bataillon du 11e régiment d'infanterie. Arch. méd. pharm. mil., 1910, **55:** 348–67.—**Dubrulle.** La fièvre typhoïde dans l'Armée. Province méd., Par., 1907, **18:** 357; 372.—**Farganel** & **Cellerier.** Sur une poussée épidémique de fièvre typhoïde au 111e, en 1908. Arch. méd. pharm. mil., 1909, **54:** 438–56.—**Fluteau, Tostivint,** & **Lafforgue.** Statistique, étiologie et prophylaxie de la fièvre typhoïde dans l'Armée. Bull. Acad. méd., Par., 1902, 3. ser., **48:** 271–3.—**Gilliard, H. E. J.** Note sur l'étiologie d'une épidémie de fièvre typhoïde survenue au 16e bataillon de chasseurs à pied. Arch. méd. pharm. mil., 1906, **47:** 508–10.—**Goéré, R.** Les maladies endémo-épidémiques dans le personnel de la marine à Saignon pendant l'année 1920. Arch. méd. pharm. nav., 1921, 111: 495–509.—**Granjux.** Etiologie de la fièvre typhoïde dans l'Armée d'Afrique. Rev. hyg., Par., 1901, **23:** 245–58.—**Health** of colonial recruits [of France] J. Am. M. Ass., 1940, **114:** 2317.—**Hublé, M.** Décroissance progressive de la fièvre typhoïde dans le 11e Corps d'Armée, de 1875 à 1897. C. rend. Ass. fr. avance sc. (1898) 1899, **27:** 299; pt 2, 900. —— Une épidémie de fièvre typhoïde dans la garnison de Montélimar. Arch. méd. pharm. mil., 1903, **41:** 230–41.—**Le Bihan, F.** Epidémie de fièvre typhoïde dans la garnison de Saint-Brieuc en 1909. Ibid., 1910, **55:** 259–68.—**Lefèvre.** Quelques notes sur la fièvre typhoïde qui sévit chaque année dans la caserne d'infanterie en Nouvelle-Calédonie. Ann. hyg. méd. col., Par., 1903, **6:** 312–6.—**Marotte, A. C. H.** Epidémia hydrique de gastro-entérite à Auxonne. Arch. méd. pharm. mil., 1902, **40:** 369–76.—**Martin, P. F.** Epidémie de fièvre typhoïde dans la garnison de Brest. Ibid., 1904, **44:** 1–25.—**Millière.** Une épidémie de fièvre typhoïde au 21e dragons à Saint-Omer. Ibid., 89–105.—**Muller.** Epidémies de fièvre typhoïde dans le quartier de Jardin Fontaine, à Verdun; rôle pathogénique d'un casernement. Ibid., 1907, **49:** 401–22.—**Noel.** L'hygiène dans l'Armée; l'épidémie de fièvre typhoïde de Verdun. Bull. méd., Par., 1907, **21:** 1103.—**Poul de Lacoste.** Une épidémie de fièvre typhoïde à Lorient. Arch. méd. pharm. mil., 1902, **40:** 135–44.—**Provendier.** La fièvre typhoïde dans la Xe région de corps d'Armée. Ibid., 1904, **43:** 257–93.—**Rekkoku** guntai ni okeru kanzya no syōtyō; Hukkoku guntai [Variations in the numbers of patients in the armies of European powers; the French army] In: Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Obsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 65–7, 3 ch.—**Rondet, H.** Renseignements complémentaires sur l'épidémie typhique des régiments de Chambéry; 1879–1880. Lyon méd., 1909, **113:** 279–82.—**Schneider.** Epidémie de fièvre typhoïde dans la garnison de Nancy à la fin de 1909 et son étiologie. Rev. méd. est. 1910, **42:** 526; 559.—**Statistique** médicale de la marine pendant l'année 1902. Arch. méd. nav., Par., 1906, **86:** 144–53.—**Tersen.** Epidémie de fièvre typhoïde de la caserne Schomberg (Légion de la Garde Républicaine) en juillet–août 1912. Arch. méd. pharm. mil., 1913, **61:** 100–11.—**Thérault, Lamandé** & **Lutrot.** Epidémie de fièvre typhoïde de Saint-Brieuc, juin–août 1909. Ibid., 1910, **55:** 268–81.—**Vincent, U.** De la contamination de la nappe aquifère souterraine par les troupes en stationnement; épidémies de fièvre typhoïde du camp d'Hussein-Dey. C. rend. Congr. internat. méd., Par., (1900) 1901, 13. Congr., Sect. méd. chir. mil., 176–180. Also Spanish transl., An. san. mil., B. Air., 1902, **4:** 815–22.

—— Germany.

GERMANY. OBERKOMMANDO DER KRIEGSMARINE. MARINEMEDIZINALAMT. Sanitätsbericht über die Deutsche Kriegsmarine. Berl. (1874-75) 1875–

Title varies: 1873–97 as Statistischer Sanitätsbericht über die Kaiserlich-Deutsche Marine; 1897–1914 as Sanitätsbericht über die Kaiserlich-Deutsche Marine; 1914-15–1919-20 not published; also called Sanitätsbericht über die Deutsche Reichsmarine.

PRUSSIA. KRIEGSMINISTERIUM. MEDICINALABTEILUNG. Statistischer Sanitätsbericht über die K. Preussische Armee für die Jahre 1868 und 1869. 310p. 30cm. Berl., 1873.

—— Die Grippe-Epidemie im Deutschen Heere 1889-90. 103p. 27½cm. Berl., 1890.

SCHWIENING, W. H. Zusammenfassende Militärsanitätsstatistik. p.597–654. 27cm. Berl., 1910.

In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9:**

Abgang infolge eines die Dienstunfähigkeit bedingenden Leidens. San. Ber. Deut. Marine (1930) 1932, 11.—**Allgemeine** Uebersicht über die Krankheitsverhältnisse [1912–36] Ibid., 1917–39, 1–35; passim in subsequent volumes.—**Amelung, Tillmann** & **Zur Verth.** Chirurgische Krankheiten. Ibid., (1912–13) 1917, 129–64.—**Aufenthaltsort** der Schiffe und Krankenbewegung im allgemeinen an Bord und am Lande, 1912–13 [tab.] Ibid., 190–221.—**Baehr.** Die Paratyphusepidemie beim Feldartillerie-Regiment No. 75 im Jahre 1907. Hyg. Rdsch., 1908, **18:** 505–19.—**Besprechung** der wichtigeren Krankheitsarten und Beschreibung der wichtigsten Krankheitsfälle. San. Ber. Deut. Marine (1935) 1939, 55; (1936) 1939, 58.—**Bestelmeyer, v.** Der Unterleibstyphus in der bayerischen Armee von 1874–1904. Deut. Arch. klin. Med., 1905, **84:** 110–23.—**Burk, v.** Die Typhusepidemie beim 2. Bataillon Infanterie-Regiments König Wilhelm I (6. Württ.) No. 124 in der Garnison Weingarten im Jahre 1899. Deut. mil. ärztl. Zschr., 1904, **33:** 81–98.—**Caanitz.** Krankheiten der Augen. San. Ber. Deut. Marine (1930) 1932, 43.—**Deneke.** Sonstige innere Krankheiten. Ibid., 33–7. —— Sonstige Krankheiten. Ibid., 54.—**Franz** & **Müller.** Der Gesundheitsindex des Heeres, Deut. med. Wschr., 1932, **58:** 1296.—**Gesamtabgang** durch Dienstunbrauchbarkeit sowie See- und Garnisondienstunfähigkeit mit Versorgung. San. Ber. Deut. Marine (1912–13) 1917, 7–16.—**Gesundheitszustand** (Ueber den) unserer Flotte. Münch. med. Wschr., 1917, **64:** 239.—**Gesundheitsverhältnisse** (Die) unserer Flotte. Deut. med. Wschr., 1918, **44:** 550.—**Hammerschmidt.** Die Typhus-Epidemie beim Infanterie-Regiment 49. Deut. mil. ärztl. Zschr., 1904, **33:** 313–25.—

Hargues, d'. Ohren-, Nasen- und Halskrankheiten. San. Ber. Deut. Marine (1930) 1932, 44–8.—**Hecker & Otto.** Die Typhusepidemie im 10. Armeekorps während des Sommers 1909. Deut. mil. ärztl. Zschr., 1909, **38:** 921–48.—**Hünermann.** Zwei Typhusepidemien beim VIII. Armeekorps. Ibid., 1901, **30:** 328; 385.—**Kellermann.** Ueber eine im August und September 1906 beim 1. und 2. Bataillon Infanterie-Regiments Bremen No. 75 in Bremen aufgetretene Paratyphus-Epidemie. Ibid., 1907, **36:** 262–5.—**Kitaj.** Ist der Krankenstand bei der Truppe reduzierbar? Militärarzt, 1905, **39:** 92–104.—**Kobert.** Krankheiten des Nervensystems. San. Ber. Deut. Marine (1912–13) 1917, 74–90.—**Kraemer, J. A.** Beobachtungen bei der Typhus-Epidemie im Inf.-Regt. No. 40, mit besonderer Berücksichtigung der diagnostischen Bedeutung der Widalschen Reaction. Deut. Arch. klin. Med., 1901, **70:** 133–56.—**Kränz.** Krankheiten der Harn- und Geschlechtsorgane, Haut- und Geschlechtskrankheiten. San. Ber. Deut. Marine (1930) 1932, 37–43.—**Krankenzugang** und -abgang und Behandlungstage bei den einzelnen Krankheiten. Ibid. (1935) 1939, 110; (1936) 1939, 116.—**Lahs.** Krankheiten der Harn- und Geschlechtsorgane, Geschlechts- und Hautkrankheiten. Ibid. (1912–13) 1917, 106–15.—**Lange.** Ohren-, Nasen- und Halskrankheiten. Ibid., 123–9.—**Laun, R. H.** Ueber eine Paratyphus B-Epidemie bei einem Infanteriebataillon im Sommer 1936. Deut. Militärarzt, 1937, **2:** 405–9.—**Marckmann.** Krankheiten des Nervensystems. San. Ber. Deut. Marine (1930) 1932, 31–3.—**Marx, E.** Ueber eine Paratyphus B-Epidemie beim Infanterieregiment Hessen-Homburg No. 166. Zbl. Bakt., 1908, **48:** Orig., 29–36.—**Mücke, Marckmann** [et al.] Besprechung der wichtigeren Krankheitsarten und Beschreibung der wichtigsten Krankheitsfälle. San. Ber. Deut. Marine (1930) 1932, 25–58.—**Nadler & Fischer.** Chirurgische Krankheiten. Ibid., 48–54.—**Oloff.** Krankheiten und Verletzungen des Auges. Ibid. (1912–13) 1917, 115–23.—**Otto, R.** Ueber eine Massenerkrankung an Paratyphus beim Infanterie-Regiment Nr. 78 in Osnabrück. Berl. klin. Wschr., 1913, **50:** 1859–64.—**Pohle, F.** Spinale Kinderlähmungs-Erkrankungen in der Wehrmacht; epidemiologische Betrachtungen. Deut. Militärarzt, 1939, **4:** 418–21.—**Rieder.** Statistische Zusammenstellung und Erläuterungen wichtiger klinischer Beobachtungen sowie kasuistische Mitteilungen über die im Jahre 1900 im Garnisonlazareth Coblenz behandelten Typhuserkrankungen. Deut. mil. ärztl. Zschr., 1902, **31:** 349–76.—**Rogge.** Allgemeine Erkrankungen. San. Ber. Deut. Marine (1912–13) 1917, 41–57.—**Schmiz & Kessler.** Typhusepidemie bei einem Dragonerregiment. Münch. med. Wschr., 1913, **60:** 1324.—**Tropenkrankheiten.** San. Ber. Deut. Marine (1912–13) 1917, 57–74.—**Typhusepidemie** bei dem Eisenbahnregiment in Hanau. Deut. med. Wschr., 1913, **39:** 173.—**Verschiedene** Erkrankungen auf den einzelnen Schiffs- und Landstationen. San. Ber. Deut. Marine (1912–13) 1917, 222–63.—**Wendel, O.** Die Typhuserkrankungen unter den deutschen Truppen in Tientsin im Herbst und Winter 1900–01. Deut. Med. Ztg, 1904, **25:** 885.—**Wernicke, E.** Ueber die Entstehung einer Typhusepidemie beim Füsilier-Bataillon des Grenadier-Regiments Prinz Carl No. 12 in Frankfurt a. O. im Kaisermanöver 1895. Deut. mil. ärztl. Zschr., 1902, **31:** 58–78.—**Wiens.** Sonstige innere Krankheiten. San. Berl Deut. Marine (1912–13) 1917, 90–106.—**Zahlenübersichten;** die verschiedenen Erkrankungen auf den einzelnen Schiffsverbänden und Landstationen. Ibid. (1930) 1932, 59–106.—**Zugang** (Der) bei den einzelnen Krankheitsgruppen. Ibid. (1912–13) 1917, 38–41.

—— Great Britain.

Great Britain. Air Ministry. Air publication 875 (1937) Report on the health of the Royal Air Force for the year 1937. 89p. 24½cm. Lond., 1939.

Great Britain. Royal Naval Medical Service. Report on the health of the Navy. Lond., 1934–

Continuation of: Statistical report of the health of the Navy; Royal Naval Medical Service, 1830–1933.

Great Britain. War Office. Report on the health of the Army. Lond., v.**1–73** (1859–1937) 1861–1939.

—— Bulletin of Army health statistics. No. 3–12; 2. ser., No. 1–6. 2v. 21 x 33cm. Lond., 1945–46.

Title No. 3–12, 1945: Monthly bulletin of health statistics.

—— Statistical report on the health of the Army, 1943–45. 294p. 33½cm. Lond., 1948.

Allison, R. S., & Thomas, A. R. Peptic ulcer in the Royal Navy; symptoms and pathology. Lancet, Lond., 1941, 1: 565–8.—**Army** morbidity in the U. K. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 25–58.—**Bassett-Smith, P. W.** The improvement in the health of the Royal Navy during the last ten years. J. State M., Lond., 1915, **23:** 257–61. ——— Typhoid and anti-typhoid record for 1918–19. J. R. Nav. M. Serv., 1920, **6:** 13.—**Cases** of certain minor and rare conditions; British Army [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 99.—**Common** (The) ills of the soldier. J. R. Army M. Corps, 1942, **79:** 295.—**Cox, W. H.** Relapsing fever in the 109th Infantry. Ind. M. Gaz., 1906, **41:** 138.—**Croll, J. M.** Outbreak of diphtheria at an R. A. F. camp. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3:** 79–84.—**Dudley, S. F.** Some lessons of the distribution of infectious diseases in the Royal Navy. J. R. Nav. M. Serv., 1931, 17: 239; 1932, **18:** 1. ——— The history of undulant fever in the Royal Navy. Ibid., 1932, **18:** 81–99.—**Fleury, C. M.** Report on an outbreak of supposed enteric fever at Bulford Camp in the spring of 1904. J. R. Army M. Corps, 1906, **6:** 455–9.—**Given, D. H. C.** The health of the Navy. J. R. Nav. M. Serv., 1928, **14:** 248–66.—**Health** of the Air Force. Lancet, Lond., 1938, **1:** 401.—**Health** of the Army. J. R. Army M. Corps, 1935, **64:** 250–5; 1938, **70:** 388–94.—**Health** of the Army; report for 1934. Brit. M. J., 1936, **1:** 266.—**Health** (The) of the Navy in 1915. Lancet, Lond., 1922, **2:** 1032.—**Health** of the Navy in 1921. Ibid., 1924, **1:** 1227.—**Health** of the Royal Navy; report for 1933. Brit. M. J., 1935, **1:** 830.—**Hernia.** Month. Bull. Health Statist., (Gr. Britain War Off.) 1944–45, No. 12, 41–7.—**Horrocks, W. H.** Mediterranean fever in Gibraltar. J. R. Army M. Corps, 1907, **18:** 374–84.—**Howell, C. A. H.** A comparison of dyspepsia in the Army for 1940 and 1941. Brit. M. J., 1942, **1:** 692.—**Impetigo.** Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 2, 40.—**Low-grade** morbidity (reception station cases only) in the U. K. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 41–5.—**Major** sources of wastage. Ibid., 243–72.—**Meader, F. M.** Epidemiology of the outbreak of typhoid fever among the Fourth Casual Company, J. A. R. D., Camp. — Proc. R. Soc. M., Lond., 1918–19, **12:** Sect. Epidemiol. & State Med., 5–8.—**Medical** ethnography of C. M. F., 1944. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 2, 21–5.—**Morbidity** and hospital wastage among officers and other ranks. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 86.—**Niven, R. J.** An appreciation of smallpox as it affects the hygiene services of the British Army to-day. J. R. Army M. Corps, 1947, **89:** 166–85.—**Ozverim, H. H.** [State of health of the English Army] Askerî sıhhiye mecmuası, 1937, **66:** 119–26.—**Paley, R. G., & Truelove, S. C.** Diphtheria in the army in the United Kingdom; a study of its complications. J. R. Army M. Corps, 1948, **90:** 109–16.—**Reece, R. J.** Report to the Local Government Board on an outbreak of enteric fever in the Royal Marine Depôt at Walmer. Rep. M. Off. Local Gov. Bd., Lond., 1908–09, Suppl., 90–113.—**Rekkoku** guntai ni okeru kanzya no syōtyō; Eikoku guntai [Variations in the numbers of patients in the armies of European powers; the British Army] In: Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 62, ch.—**Relative** morbidity and casualty rates of hospitalized cases in the U. K.; military personnel, January 1943–June 1944 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 30.—**Report** on the health of the Army for 1935. J. R. Army M. Corps, 1937, **68:** 332–40.—**Roberts, J. A. F.** Returns of sickness from ships of the Royal Navy, 1945–46; a contribution to medical climatology. Brit. J. Social M., 1948, **2:** 55–65.—**Seasonal** distributions of hospital admissions in the U. K., 1943. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 38–40.—**Sickness** rates among various categories of employment [tab.] Ibid., 49.—**Smallman, A. B.** Enteric fever history of the 2d Battalion Royal Fusiliers for the year 1906. J. R. Army M. Corps, 1907, **8:** 369–73.—**Stewart, D.** Sickness and mortality rates of the English Army in the 16. century. Ibid., 1948, **91:** 23–35.—**Stocks, P., & Brooke, E. M.** Causes of admission of service patients to E. M. S. hospitals. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3:** 216–20.—**Sutherland, C.** Asthma in the British Army. J. R. Army M. Corps, 1942, **78:** 230–5.—**Turner, E. G.** The soldier's health overseas; a year's statistics. Ibid., 1945, **84:** 83–5.—**Wanhill, C. F.** An investigation into the causes of the prevalence of enteric fever among the troops stationed in Bermuda. Ibid., 1909, **12:** 28–45.

—— Greece.

Chrestomanos, A. Ἐπὶ τῶν περιπτώσεων ὑποστρόφου πυρετοῦ τῶν παρατηρηθεισῶν ἐν τῷ στρατῷ ἐν Μακεδονίᾳ καὶ Ἠπείρῳ. Ἰατρικὴ πρόοδος, 1913, 18: 105–8.

—— Holland.

Netherlands. Centraal Bureau Voor de Statistiek. Behandelde zieken van het leger hier te lande. Gravenh., 1919–

Netherlands. Departement van oorlog. Geneeskundig dienst der landmacht. Statistisch overzicht der behandelde zieken van het leger hier te lande. Gravenh., 1864–1918.

Boland, G. W. Over de opsporing der infectiebron van gevallen van Febris typhoïdea, waargenomen onder militairen, korten tijd na de groote manoeuvres in 1905. Mil. geneesk. tschr., 1906, **10:** 101–27.—**De la Croix, Ch.** [State of health of our soldiers] Groene & witte kruis, 1939, **35:** 231–3.—**Wielenga, D. K., & Bras, G.** Een epidemie van febris typhoidea bij pas in de tropen aangekomen nederlandse militairen. Ned. tschr. geneesk., 1947, **91:** 3474–81.

—— Hungary.

Hanasiewicz, O. Die Typhusepidemie in der Garnison Kolozsvár Ende 1911. Militärarzt, 1912, **46**: 249; 270.

—— India.

India. Army. Medical Directorate. Annual report on the health of the Army in India. N. Delhi, v.1 (1938) 1940–

Brandenburg, K. Der Gesundheitszustand in der englischen Armee in Indien. Med. Klin., Berl., 1941, **37**: 255.—**Enquiry** on schistosomiasis in the Army. Rep. Sc. Adv. Bd Ind. Res. Fund Ass., 1944, 111.—**Health** of the Armies in India. Brit. M. J., 1934, **2**: 130.—**Health** of the Army in India. Med. Off., Lond., 1939, **62**: 81.—**Health** of the Army in India; report for 1938. Brit. M. J., 1940, **2**: 466.—**Health** of the British Army in India. Annual Rep. Pub. Health Com. India (1936) 1938, **2**: 1–5. Also J. Trop. M. Hyg., Lond., 1938, **41**: Col. med. rep., 1; 5; 9; 13.—**Health** of the Indian Army for the year 1936. Annual Rep. Pub. Health Com. India (1936) 1938, **2**: 43–59.—**McCarrison, R.** Enteric fever in Goorkhas with a few remarks as to its propagation and differential diagnosis in the early stage. Ind. M. Gaz., 1903, **38**: 98–100, diagr.—**McCulloch, T.** Enteric fever amongst the British troops in India. Army M. Dep. Rep., Lond. (1900) 1902, **42**: 412–48.—**Manifold, J. A.** A stydy of certain features in connection with enteric group infections in the Army in India. J. R. Army M. Corps, 1930, **54**: 401; **55**: 1; 88. ——— Anaemia in Indian troops. Tr. R. Soc. Trop. M. Hyg., Lond., 1947–48, **41**: 1–3.—**Rawnsley, G. T.** The prevention of enteric fever amongst young soldiers in India. J. R. Army M. Corps, 1905, **5**: 269–72.—**Thomson, G. S.** Enteric fever in the native Army. Ind. M. Gaz., 1908, **43**: 294–8.

—— Italy.

Calza, C. Sulle condizioni sanitarie dell'Esercito italiano. 39p. 21½cm. Padova, 1878.

Italy. Ministero della guerra. Direzione generale di sanità militare. Relazione medico-statistica sulle condizioni sanitarie del R. Esercito. Roma (1876–) 1878– .

—— Relazione medico-statistica sulle condizioni sanitarie delle Forze Armate nelle colonie. Roma (1935–36) 1939– .

A., M. Statistica sanitaria dell'Armata per l'anno 1938. Ann. med. nav., Roma, 1939, **45**: 272–5.—**Arella, Caire** [et al.] Relazione su l'ottalmia dominante nei varii corpi militari stanziati in Genova. Gior. med. mil., 1851–52, **1**: 401–4.—**Corsi, A.** Dalla relazione medico-statistica delle condizioni sanitarie del R. Esercito nell'anno [1931–36] Ibid., 1935, **83**: 11; 1936, **84**: 194; 1937, **85**: 689; 1939, **87**: 339. ——— Stato sanitario delle RR. truppe coloniali nell 1933; 1934. Ibid., 1935, **83**: 213; 825.—**Marantonio, R.** La tuberculosi e la malaria nella R. Marina durante il quinquennio 1915–19. Ann. méd. nav., Roma, 1922, **1**: 27–42.—**Marrassimi, A.** Sopra alcuni casi di febbre tifoide in soldati reduci dalla Libia. Riv. crit. clin. med., 1912, **13**: 769–78.—**Mirra, G.** La malattia reumatica tra i militari del C. R. E. M. Ann. med. nav., Roma, 1938, **44**: 521–9, pl.—**Pace, M.** Studio clinico statistico sulla morbilità tra la gente di mare in rapporto all'ambiente Nave. Ibid., 1937, **43**: pt 1, 429–35. ——— La morbilità tra la gente di mare in rapporto alla divisione del lavoro. Ibid., 1940, **46**: 147–50.—**Pizzorno.** Febbre tifoidea; che dominò nell'Ospedale militare di Genova dall'aprile all'ottobre 1849. Gior. med. mil., 1851–52, **1**: 113–6.—**Rodinò, N.** Osservazioni epidemiologiche su alcuni episodi di febbre tifoide verificatisi nel biennio 1939–40 fra militari vaccinati col T. A. B. Te. Igiene mod., 1941, **34**: 289–302.—**Spezzaferri, A.** Andamento della morbosità per alcune malattie infettive nell'Esercito dal 1933 al 1942. Gior. med. mil., 1943, **91**: 333–42.

—— Japan.

Ayres, P. B. General medical statistics; Japanese Army and Navy. 12p. 25½cm. n. p., 1945.
Forms No. M–I, Med. Targets.

—— Gilbert, F. J., & Hendrickson, R. M. General medicine and special diseases in the Japanese Navy. 15p. 25½cm. [n. p.] 1945.
Forms No. M–11, Med. Targets.

Japan. Kaigun-syō imu-kyoku [Annual report of the Medical Bureau, Navy Department] Tōkyō, Nos. 1–52 (1886–1937) 1887–1940.
Nos. 1–26, English text.

Annual (The) report of the health of the Imperial Navy for the 24th year of Meiji, 1891. Sei i kwai M. J., 1893, **12**: 24; 38.—**General** morbidity. In: Effects of Bomb. Japan (U. S. Strateg. Bomb. Surv.) Wash., 1947, 181–214.—**Health** (The) of the Japanese Navy. Brit. M. J., 1906, **2**: 369.—**Isii, S.** Heisotu hassei Heine-Medin-si-byō no iti rei. [Case of Heine-Medin disease among soldiers] Gun idan zassi, 1929, 655–72, pl.—**Koide, S.** [A survey for intestinal parasites in soldiers, with special reference to Entamocba histolytica] J. Chosen M. Ass., 1934, **24**: 1377–83.—**Momose, K.** Chenhaiwan bōbi-tai ni okeru inryō zyōryū-sui kyōkyū sōti no ketten yori tyō-typhus byōdoku wo sanman-sesimetaru tenmatu [Distribution of the organism of typhoid fever among the garrison in Chenhai Bay (China) due to lack of the food, drink, and water supply service] Sei i kwai M. J., 1905, **24**: No. 276, 9–14.—**Ohsawa, K.** Yahōhei Dai -19 rentai ni hassei-sesi ryūkō-sei hassinbyō no rinsyō-teki kansatu [Clinical observations of an epidemic eruptive disease which broke out in Field Artillery Regiment No. 19] Gun idan zassi, 1925, 1025–42.—**Takasugi, S.** Recent statistical reports of health of the Japanese Navy. Tr. Far East. Ass. Trop. M. (1927) 1928, **1**: 505–22. Also Japan M. World, 1928, **8**: 36; 60.—**Tuzuki, J.** Eine durch Bacillenträgern hervorgerufene Typhusepidemie in der XV. Division von Japan. Beitr. Hyg. Bakt., Infektionskr. (Ogata-Festschr.) Tokyo, 1910, 19–33.—**Waga** rikugun ni okeru getubetu sin-kan [Monthly statistics on new patients in the Japanese Army] In: Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 223–52, 13 ch.—**Waga** rikugun ni okeru kanzya no syōtyō [Variations in the numbers of patients in the Japanese Army] Ibid., 1–62, 22 ch.—**Waga** rikugun ni okeru syuyō situbyō-betu sin-kan [New patients by major diseases in the Japanese Army] Ibid., 97–135, 18 ch.—**Yamada, M., & Kawai, T.** Yahōhei Dai–20 Rentai ni tahatu-seru kyōmaku-en no kenkyū [Raporto pri multe-okazintaj pleurituloj en la XXa Regimento artileria en 1930] Gun idan zassi, 1932, 327–46.

—— Jugoslavia.

Ivanov, A. Kretanje zaušaka u Jugoslovenskoj armiji 1945, 1946 i 1947 godine. Voj. san. pregl., Beogr., 1949, **6**: 75–82.—**Jelinek, B.** Epidemija dizenterije u jednoj radnoj jedinici juna 1949 godine. Ibid., 411–6, illust.—**Karanovič, S., & Petkovič, D. S.** Istina o suzbijanju epidemije trbušnog tifusa, typhus abdominalis, u valjevskom garnizonu 1905 god. Srpski arh. za celok. lek., 1906, **12**: 64; 119.—**Milyković, A.** [Statistics on pneumonia in the Serbian Army] Voj. san. glasnik, 1931, **2**: 841–50.—**Pavlović, V.** [The problem of streptococcic infections in relation to an epidemic among the students at the Military College] Ibid., 1932, **3**: 456–79.—**Pecić, M.** Epidemija tifusa u XVII pešadijskom puku, 1905 god. Srpski arh. za celok. lek., 1905, **11**: 489–500.—**Stamenković, K.** [Conjunctivitis in the Serbian Army] Voj. san. glasnik, 1940, **11**: 543–67.—[**Statistical** report on the state of health of the Serbian Army] Ibid., 125–41.—**Vukšić, L.** [Scurvey epidemic in the garrison of Rouma in 1937] Ibid., 1938, **9**: 95–103. ——— [Epidemic of typhoid fever caused by the water supply in a garrison in 1939] Ibid., 1940, **11**: 57–71.

—— Libya.

Ingravalle, A. Stato sanitario delle truppe coloniali nella Libia occidentale nell'anno 1937. Gior. med. mil., 1938, **86**: 1150–70. ——— Stato sanitario delle truppe libiche della Libia Occidentale nell'anno 1938. Ibid., 1940, **88**: 343–66.—**Santoli, P.** Stato sanitario delle truppe coloniali della Libia occidentale nell'anno 1939. Ibid., 1941, **89**: 81–102.—**Sinisi, G.** Stato sanitario delle truppe coloniali nella Libia Orientale nell'anno [1937; 1938] Ibid., 1939, **87**: 5; 1940, **88**: 407.

—— Lithuania.

Barkauskas, S. Ligotumas ir mirtingumas lietuvos kariuomenéje 1929–30 m.; lyginant su ligotumu ir mirtingumu kitose kariuomenése 1919–30 met. 71p. 26cm. Kaunas, 1932.

—— Mexico.

Suárez Torres, G. Panorama sanitario de las poblaciones civil y militar de las entidades federativas de Baja California, T. N., Baja California, T. S., Colima, Jalisco, Nayarit, Sonora y Sinaloa. p. 317–95. 23cm. Méx., 1949.
Bol. san. mil., Méx., 1949, **2**:

—— Morocco.

Cordonié y Aguilera, L. *Paludismo, epidemiología y quimioterapia; morbilidad palúdica en las fuerzas de artillería de la plaza de Larache; estadísticas, y estudios de quimioterapia malárica. 564p. 23½cm. Madr., 1932.

Epaulard, A., Hornus, P. P., & Deply, J. J. P. Notes sur la pathologie marocaine. p. 275–361. 24cm. Par., 1929.
Arch. méd. pharm. mil., 1929, **90**:

Bailly, A. J. B. M. La fièvre typhoïde dans la garnison de Bar-le-Duc. Arch. méd. pharm. mil., 1905, **46**: 437–44.—

Delorme. Une inspection générale médicale au Maroc en 1908. Ibid., 1912, **60**: 97; 201.—**Deniau, Dercle & Bachon.** Poste médical et infirmeries indigènes au Maroc. Ibid., 1909, **54**: 356–77.—**Donnart.** De quelques affections fréquentes au Maroc. Arch. méd. nav., Par., 1908, **90**: 81–97.—**Duclot.** Etude sur le Maroc. Ibid., 1909, **92**: 321–35.—**Oberlé & Renaud, H. P. J.** La pénétration pacifique par le médecin au Maroc depuis 1908. Arch. méd. pharm. mil., 1922, **87**: 229–61, 2 maps.

—— Norway.

Koren, A. Sanitetets historie i vor marine 1812–1912. Norsk tskr. mil. med., 1913, **17**: 1–26.—**Øverland, A.** Sykelighet og kosthold i norske militaerkaserner. Nord. med. tskr., 1933, **5**: 70–4.—**Torgersen, N.** En tyfusepidemie i 2. brigades underofficersskole. Norsk. tskr. mil. med., 1910, **14**: 203–29.

—— Philippine Islands.

Luna, V., & Salcedo, J., jr. The health of our citizen army. J. Philippine Islands M. Ass., 1939, **19**: 403–13.

—— Poland.

Białokur, F., Tuz, S., & Wasilewski, J. Kilka uwag o zapaleniu przyusznicy nagminnem w wojsku polskiem na jesieni roku 1919. Lek. wojsk., 1921, **2**: 143–6.—**Glinčikov, V. I.** Nabljudenija nad bolnymi tifoznago otdelenija Varšavskago Voennago hospitalja za 1907 god. Voen. med. J., S. Peterb., 1908, **222**: Med. spec. pt, 260; 451.—**Kacprzak, M.** Stan Polski pod względem epidemicznym w okresie powojennym. Zdrow. pub., 1947, **63**: No. 4, 22–39.—**Kolago, C.** Straty wojenne na odcinku Służby Zdrowia. Polski tygod. lek., 1946, **1**: 919.—**Linke.** Kilka uwag o epidemji odry w garnizonie poznańskim w r. 1932. Nowiny lek., 1933, **45**: 409.—**Longin, K.** Krótki rys działalności oddziału zakaźnego szpitala etap. L. 61 w Tarnopolu za czas od listopada 1920 do lipca 1921. Lek. wojsk., 1921, **2**: 1177–82.—**Malinowski, A.** [Mental diseases in the Army during 1935 and 1936] Ibid., 1938, **31**: 129–53.—**Naramowski, M.** [Sick book of the mounted forces of the Polish Legions] Ibid., 1936, **28**: 309–40.—**Przeorski, Knappe & Miklaszewska.** Spostrzeżenia nad przebiegiem przypadków czerwonki leczonych w Głównym szpitalu wojskowym Ujazdowskim w 1920 roku ze szczególnem uwzględnieniem działania leczniczego surowic Warszawskiej i Bujwidowskiej. Ibid., 1921, **2**: 105–11.—**Składkowski, S.** Polacy jako materjał rekrucki w świetle statystyki sanitarnej armji zaborczych. Ibid., 1920, **1**: No. 16, 3–14.—**Wajs, E.** Przyczynek do epidemjologji zimnicy w okolicy Brześcia-Litewskiego wiosną 1921 r. Ibid., 1921, **2**: 1261–4.—**Zurkowski, J.** [Numerous cases of illness among soldiers, stationed in Piotrków, Przyglów and Skierniewicy] Ibid., 1928, **11**: 393–409.

—— Portugal.

Portugal. Ministério da guerra. Estatística médica do Exército português. Lisb. (1908–31) 1911–37.

Oliveira, J. A. de. Saude militar. J. pharm. sc. med. India Portug., 1862–63, 53.

—— Puerto Rico.

Johnston, C. C. Necator americanus in Puerto Rican troops. Mil. Surgeon, 1937, **80**: 137–9.

—— Romania.

Butză & Popișténu. Febra tifoida în serviciul boalelor infecto-contagioase din spitalul militar Regina Elisabeta de la 1. Aprilie 1901–1. Aprilie 1902. Rev. san. mil., Bucur., 1902–03, **6**: 57–70.—**Chessim.** Dare de seama asupră epidemieĭ de febră tifoidă ce a bântuit garnizona din Focșani în lunile Maiŭ și Iunie 1897. Ibid., 1897–98, **1**: 129–38, map.—**Muigund, N., & Demetrescu, G.** Statistică coprinzand numaral cazurilor de trachom tratate in intervalul de timp 1924–35. Ibid., 1936, **35**: 386–8.—**Serbănescu, I.** Câte-va cuvinte asupra epidemieĭ de febră tifoidă ivită în rîndurile corpurilor de trupă din garnisona Bucuresci în toamna anului expirat. Ibid., 1897–98, **1**: 265; passim.

—— Russia.

Khozjaśev, S. N. Болезни органов дыхания в Русской армии. 109p. 8° S. Peterb., 1911.

Koricky, A. M. Брюшной тиф в СПБ Николаевском военном госпитале за 1908 год. p. 481–542. 23cm. S. Peterb., 1910.

Voen. med. J., S. Peterb., 1910, **227**: Med. spec. pt.

Russia. Voenno-medicinskoe upravlenie. Отчет о санитарном состоянии русской армии за 1891 г. 591p. 26cm. S. Peterb., 1893.

Abanin, A. [Toxico-infectious arthritis among the staff of the Red Army; data from the Piatigorsk Sanatorium for the period 1925–1931.] Voen. san. delo, 1935, 12–7.—**Causov, L. I.** O kharakteristike brjuśnogo tifa v Manžurskoj dejstvujuśćej armii v 1904 g. Russ. vrach, 1905, **4**: 1250–2.—**Cypljaev, P. I.** Nervnaja likhoradka sredi garnizona goroda Orenburga v 1807 godu. Voen. med. J., S. Peterb., 1911, **230**: Med. spec. pt, 21–7.—**Chirkovskij, V. V.** [Trachoma in the Army] Sovet. med., 1940, **4**: No. 2, 5–7.—**Dedov, V. P.** Epidemija brjuśnogo tifa sredi niżnikh ćinov 18-go Turkestanskago linejnago (nyne 12-go strelkovago) bataljona, raspoložennago v g. Kokande Ferganskoj oblasti, s ijunja po avgust 1899 g. Vrach. gaz., 1901, 8: 777–81.—**Eberbakh, O.** O brjuśnom tife sredi kadet Morskogo Kadetskago Korpusa v 1901 godu. Med. pribav. morsk. sborn., 1903, pt 2, 208; 255.—**Egorov, P. I.** [Low percentage of morbidity] Voen. san. delo, 1941, No. 12, 17–20.—**Finkelstein, J.** Brjuśnoj tif v Taśkentskom garnizone. Voen. med. J., S. Peterb., 1902, Med. spec. pt, 1612; 2006.—**Firsov, V.** [Gastric diseases among the Red Army.] Voen. san. delo, 1929, 48–57.—**Grigorjev, A.** Brjuśnoj tif i pitjevaja voda v štabkvartirakh Kavkazskago voennago okruga. Voen. med. J., S. Peterb., 1902, Med. spec. pt, 521–39.—**Kallistratov, P. M.** Epidemija brjuśnogo tifa v 5. rez. artillerijskoj brigade. Ibid., 1908, **221**: Med. spec. pt, 228–43.—**Kaminsky, L.** Hospitalnaja statistika. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 190–5.—**Kigel, E. I.** Nervnyja i duśevnyja zabolevanija v Armii. Voen. med. J., S. Peterb., 1910, **229**: Med. spec. pt. 246–52.—**Land, I.** Epidemija brjuśnago tifa v ukreplenii Dagestanskoj oblasti v 1893 g. Ibid., 1894, **159**: Unoffic. sect., pt 1, 215–33.—**Mazur, M., & Rozanov, P.** Zabolevaemost. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 719–37.—**Močulsky.** Brjuśnoj tif v Kerćenskom garnizone po dannym mestnago lazareta v 1892 g. Russ. med., S. Peterb., 1893, **18**: 435; 448; 482.—**Murzin, M. I.** K kharakteristike dviżenija brjuśnogo tifa v vojskakh v period s 1887 po 1902 g. Voen. med. J., S. Peterb., 1905, Med. spec. pt, 731–45. ——— Oćerk epidemij brjuśnogo tifa v vojskakh Odesskago voennago okruga v 1905 godu. Ibid., 1906, **217**: Med. spec. pt, 202–21.—**Ragozin, N. N.** [Diseases among the officers and enlisted men of the fleet.] Morsk. vrach, Petrogr., 1915, 87–97.—**Rozanov, P.** Zabolevaemost vo flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 727–37.—**Sobolevski, A. V.** Bolezni nervnoj sistemy v russkoj armii za 1891–1900 g. g. Nevrol. vest., Kazan, 1910, **17**: 679–722, 4 tab.—**Talko, T. I.** Kratkaja zametka o sypnom tife v 140. pekhotn. Zarajskom polku. Voen. med. J., S. Peterb., 1892, **175**: Unoffic. pt. sect. 1, 196–202.—**Ugrjumov, B. L.** Tuljaremija po materialam hospitalja N-skoj armii. Ibid., 1946, No. 11, 35–45.—**Verjužsky, D. I.** Vozvratnyj tif v vojskakh Peterburgskago garnizona. Ibid., 1906, **215**: Med. spec. pt, 64–8.—**Zinovjev, K.** Brjuśnoj tif vo Flote i v Armii. Med. pribav. morsk. sborn., 1906, 227–43.

—— South Africa.

Tooth, H. H., Jameson [et al.] Some personal experiences of the epidemic of enteric fever among the troops in South Africa [with discussion] p.81–143. 8° Lond., 1901.

Tr. Clin. Soc. London, 1901, **34**: Also Lancet, Lond., 1901, 1: 769–74; Discus., 786; 932.

Elliot, A. Typhoid fever in South Africa. Tr. M. Soc. London, 1901–02, **25**: 21–40.—**Policard, A.** La fièvre typhoïde dans les troupes anglaises de l'Afrique du Sud et de l'Inde. Arch. méd. pharm. mil., 1909, **53**: 118–29.—**Tooth, H. H.** Enteric fever in the Army in South Africa, with remarks on inoculation. Brit. M. J., 1900, 2: 1368.

—— Southeast Asia.

Allied Land Forces, South East Asia. Medical Directorate. ALFSEA bi-monthly health report for the period ending 31 December, 1945. 2 l. 34½cm. [n. p.] 1946.

—— Spain.

Spain. Ministerio de marina. Servicio de sanidad. Estadísticas sanitarias de la Armada española. Madr., v.**11–31** (1921–47) 1923–49.

Casas Bernáldez, M. Un foco de tifus exantemático. Rev. españ. med. cir. guerra, 1943, No. 54, 150–9.—**González Sierra, R.** Datos para la aplicación de los números 78, letra G, grupo I, y 170, letra G, grupo III, del Decreto-Ley de 27 de julio último, B. O. núm. 287. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 455–68.—**Lluis, M.** Examen de las causas que han producido ó podido producir las enfermedades que adolece la guarnición de la plaza de S. Fernando de Figueras. Diar. gen. cienc. méd., 1832, 8: 169–82.—**Murillo, R.** La estadística sanitaria en el Ejército. Rev. estud. mil., Madr., 1935, **4**: 332–8.

—— Sweden.

Brinke, N. A. Sjukligheten i våra kaserner och dess bekämpande. p.137–92. 22cm. Stockh., 1916.

Lunds läk. säll. förh., 1915–16. Also Hygiea, Stockh., 1916, 78: 481–510.

Fröderström, H. *Om psykisk undermålighet och sinnessjukdomar bland Svenska arméns och marinens manskap [Upsala] 168p. 8° Stockh., 1913.

Sweden. Arméförvaltningen. Sjukvårdsstyrelsen. Hälso- och sjukvård vid armén. Stockh. (1911) 1912–(1942) 1943.

Sweden. Marinförvaltningen. Sanitetsafdejningen. Hälso- och sjukvården vid marinen ... af marinöfverläkaren. Stockh. (1911/12) 1912–(1942) 1943.

Sweden. Statistiska centralbyrån. Hälso- och sjukvård vid försvaret och veterinärvård vid armén. Stockh. (1943) 1944–

Arméns sjukvårdstjänst i fält. Sven. läk. tidn., 1940, **37**: 255–63.—**Gadelius, B.** Utlåtande ang. för rymning tilltalade underofficerskorpralen vid Kungl. Flottan C. J. Å:s sinnesbeskaffenhet. Allm. sven. läk. tidn., 1915, **12**: 193–211.—**Hälso-** och sjukvården vid marinen 1/10–1911—30/9–1912. Tskr. mil. hälsov., 1913, **38**: 6–11.—**Ploman, K. G.** [Activities of the Royal Surgeon General's Office, Optical Division, for 1932] Ibid., 1933, **58**: 188–92. ——— [Activities of the Surgeon General's Office, Optical Division, for the first 10 year period, 1/7 1922–31/12 1932] Ibid., 193–7.—**Till** Kungl. Maj: t avgivna yttranden över 1944 ars militärsjukvårdskommittés betänkande. Del. II. Ibid., 1947, **72**: 133–257.—**Wellman, J.** [Streptococcic diseases in the Army] Ibid., 1934, **59**: 369–87.

—— Switzerland.

Kummer, A. *Ueber Erkrankungen des Gehörorgans in der schweizerischen Armee [Bern] 24p. 23cm. Basel, 1945.

Ziegler, A. *Die Typhus-Epidemie im 13. schweiz. Infanterie-Regiment vom Herbst 1902 [Zürich] 118p. 8° Winterthur, 1904.

Berner, A. Etude comparée de la morbidité en élite et en Landwehr dans l'armée suisse. Praxis, Bern, 1945, **34**: 489–92.—**Gale** (La) à l'Hôspital Saint-Louis en 1940. Ibid., 1941, **30**: 810.—**Meyenburg, H. v.** Grundsätzliches über den Krebs in unserer Armee. Schweiz. med. Wschr., 1942, **72**: 1079–81. ——— & **Essellier, A.** Ueber den Krebs in der Schweizerischen Armee, 1939–42. Ibid., 1944, **74**: 872.—**Ursache** (Ueber die) der im Anschluss an die Uebungen des IV. Armeekorps im Herbste 1902 ausgebrochenen Typhusepidemie. Korbl. Schweiz. Aerzte, 1903, **33**: 308–12.

—— Turkey.

Billet, A. La fièvre typhoïde dans la garnison de Constantine en 1899. p.94–145. 24cm. Par., 1901.

Arch. méd. pharm. mil., 1901, **37**:

Doğrusoy, R. Interesting observations on streptoccocal infection in the garrison of Sart-Kamiş. Askerî sıhhiye mecmuası, 1935, **64**: 30–4.

—— United States.

Nelson, C. T., Borg, A. F. [et al.] Occurrence of Shigella types in the military population of the southeastern United States, 1943 and 1944. Am. J. Pub. Health, 1946, **36**: 51–4.

—— United States: Air Force.

United States. Army Air Forces. Office of the Air Surgeon. Statistics Division. Monthly medical statistical summary; morbidity, mortality, and hospital data [continental U. S.] Wash., Nov. 1945–

Burch, R. J. Oral prophylaxis and Vincent's infection in Air Corps Flying Cadets at Kelly Field, Texas. Dent. Bull., Carlisle, 1941, **12**: 287–91.

—— United States: Army.

Health of the Army. Wash., v.**1**, 1946–

Continuation of: Health; U. S. Surgeon General's Office, Feb., 1943–May, 1946, and Weekly health report; U. S. Surgeon General's Office, v.**1–6**, No. 26, 1941–46.

Health (The) bulletin; issued by Headquarters, Second Army, United States. Balt., No. 1, 1946–

MacCallum, W. G. The pathology of the pneumonia in the United States Army Camps during the winter of 1917–18. 147p. 53pl. 25cm. N. Y., 1919.

Forms No. 10, Monogr. Rockefeller Inst. M. Res.

United States. Army. Bureau of Public Relations. Surgeon General reports Army in excellent health. 2 l. 32cm. Wash., 1942.

United States. Army. Columbia Barracks. Camp Columbia fever epidemic. 14 l. 32½cm. Quemados (Cuba) 1899.

United States. Army. Military District of Washington. Monthly health report. Wash., v.**1**, 1948–

United States. Army. Surgeon General's Office. Monthly health review. Wash., July 1931–Sep./Dec. 1941.

—— Report of patients and beds. Wash., v.**1**, No. 14, 1941–

Title varies.

—— Weekly statistical report. Wash., 1941–

—— Weekly health reports. Wash., v.**1**, 1941–v.**6**, No. 26, 1946.

Title varies: Summary of weekly statistical reports; Summary of disease rates, & Weekly disease rates summary. For continuation see Health of the Army, v.**1**, 1946–

—— Health. Wash., Feb., 1943–May, 1946.

Forms Sect. 7, Month. Progr. Rep. Army Serv. Forces. Continued by: Health of the Army, v.**1**, 1946–

—— Weekly hospitalization report. v.**3**, No. 44 [7] l. 20½cm. Wash., 1946.

United States. Army. Surgeon General's Office. Statistical Division. Typhoid fever in the Spanish American War as contrasted with the World War; table including cases from 1902 through 1933. tab. 4° Wash., D. C., 1934.

United States. Army Forces, Western Pacific. Monthly progress report. Section 5: Medical. n. p., June 1945–

United States. Army Service Forces. First Service Command. Medical Branch. Monthly health bulletin. Bost., Aug. 1943–

Vaughan, V. C., & Palmer, G. T. The communicable diseases in the National Guard and National Army of the United States during the six months from September 29, 1917, to March 29, 1918. 97p. 24½cm. Wash., 1918.

Also: Mil. Surgeon, 1918, **43**: 251; 392.

Admissions to hospitals and quarters in the United States and overseas. Health U. S. Army, 1947, **2**: No. 3, 14–6.—**Annual** report on the health of the Army [1939; 1941] J. Am. M. Ass., 1939, **112**: 1271; 1941, **116**: 2879.—**Army** in best physical shape since start of emergency. Ibid., **117**: 537.—**Army** health continues excellent. Statist. Bull. Metrop. Life Insur., 1942, **23**: No. 5, 8–10.—**Army** health rates. Mil. Surgeon, 1942, **90**: 90.—**Army** morbidity and mortality survey. Bull. U. S. Army M. Dep., 1948, **8**: 253–7.—**Austin, J. H.** A few observations upon pneumonia in the Army in the United States during the winter of 1917–18.—Tr. Coll. Physicians, Philadelphia, 1918, 192–7.—**Bayley, A. J.** Prevention and treatment of acute respiratory diseases at Fort Knox, winter 1940–41. J. M. Soc. Cape May Co. N. Jersey, 1941, **3**: No. 8, 3–5. Also Kentucky M. J., 1941, **39**: 238–40.—**Cecil, R. L.** Classification and results of treatment of pneumonia at Camp Upton. Med. Rec., N. Y., 1918, **93**: 475.—**Cox, W. C.** [The health of the troops, the Panama Canal Department] In: Prev. Med. in World War II, Wash., 1948, **I1**: 1.—**Dennis, W. A.** The epidemic of typhoid fever in the 15th Minnesota Regiment. S. Paul M. J., 1899, **1**: 810–16.—**Dick, G. F.** A bacteriologic study of the pneumonia occurring at Camp Pike, Ark. J. Am. M. Ass., 1918, **70**: 1529.—**Diehl, O.** Pneumonia and allied diseases at the Newport Training Station. Mil. Surgeon, 1912, **31**: 430–7.—**Flood, C. A.** Peptic ulcer at Fort George G. Meade, Md. War Med., Chic., 1943, **3**: 160–70.—**Frost, W. H.** Origin and prevalence of typhoid fever in Fort Smith, Ark., and measures necessary for its control. Pub. Health Rep., Wash., 1911, **26**: pt 2, 1647–63.—**Glazer, A. M., & Gots, J. S.** The incidence and epidemiological significance of hemolytic streptococci in a Florida Army camp. South. M. J., 1944, **37**: 628–31.—**Goodkind, M. L.** Pneumonia at Base Hospital No. 53, A. E. F. Med. Rec., N. Y., 1919, **95**: 599–601.—**Greenway, J. C., Boettiger, C., & Colwell, H. S.** Pneumonia and some of its complications at Camp Bowie. Arch. Int. M., 1919, **24**: 1–34.—**Hamburger, W. W., & Mayers, L. H.** Pneumonia and empyema at Camp Zachary Taylor, Ky; a preliminary report. J. Am. M. Ass., 1918, **70**: 915–8.—**Health** in American Army camps. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 6, 1–3.—**Health** of the Armed Services. J. Am. M. Ass., 1943, **123**: 487–90.—**Health** of the Army. Statist. Bull. Metrop. Life Insur., 1948, **29**: No. 8, 1.—**Health** of the Army in the United States during winter months. Army M. Bull., 1942, No. 61, 77.—**Health** report on United States troops. J.

Am. M. Ass., 1941, **116**: 601.—**Herrmann, C. H.** Some observations on the pneumonia situation in Camp Pike Arkansas. J. Iowa M. Soc., 1919, **9**: 315–8.—**Hulett, A. C.** A survey of an epidemic of acute respiratory cases in the activating and training area, Fort Lawton, Washington. Mil. Surgeon, 1943, **93**: 265–74.—**Incidence** of selected diseases at training centers. Health U. S. Army, 1947, **2**: No. 8, 5–8.—**John, H. J.** Observations on diabetes mellitus in the U. S. Army. Proc. Am. Diabetes Ass., 1943, **3**: 69–77.—**Kirk, N. T.** Health of the Army. J. Social Hyg., 1946, **32**: 425–9. Also Mil. Surgeon, 1947, **100**: 234.—**Kirk, R. C.** Peptic ulcer at Fort Sill. Am. J. Digest. Dis., 1943, **10**: 411–3.—**Leopold, S. S.** Pneumonia and empyema at Camp Dix; a resume of the cases which occurred at the Base Hospital during the year 1918. N. York M. J., 1919, **110**: 578–80.—**Lull, G. F.** Respiratory diseases in the United States Army during the ten year period 1923–32. Army M. Bull., 1936, **35**: 1–11. ——— The nosology of the Army over a hundred years ago. Mil. Surg., 1936, **79**: 143–5. ——— Excerpts from statement presented at a hearing of the U. S. Senate Subcommittee on Wartime Health and Education, July 10, 1944. Hahneman. Month., 1944, **79**: 529–33.—**MacCallum, W. G.** Pathology of epidemic pneumonia in camps and cantonments in 1918. Tr. Ass. Am. Physicians, 1919, **34**: 169–92.—**McHugh, P. J.** The late epidemic of typhoid fever in Fort Collins, Colorado. Denver M. Times, 1901–02, **21**: 1–12. Also Tr. Colorado M. Soc., 1901, **31**: 198–211.—**Malaria.** Health (U. S. War Dep. Surg. Gen. Off.) 1945, Jan., 20.—**Marble, A., Skoog, A. P., & Bucholz, D. J.** Trichinosis; report of an outbreak at Camp Edwards, Massachusetts. Mil. Surgeon, 1942, **90**: 636–43.—**Medical** statistics of the Army; report on war years. Lancet, Lond., 1949, **1**: 275.—**Middleton, A. B.** Congenital eye conditions affecting vision out of two hundred thousand troops examined at Camp Travis, Texas. Am. J. Ophth., 1919, ser. 3, **2**: 377–88, pl.—**Miller, J. L.** Pneumonia and empyema at Camp Dodge, Iowa. In: Contr. Med. & Biol. Res. W. Osler, N. Y., 1919, **2**: 1134–7.—**Mock, F.** Typhoid and paratyphoid fever at Mesves Hospital Center. J. Laborat. Clin. M., 1919–20, **5**: 54.—**New** Army in excellent health. Statist. Bull. Metrop. Life Insur., 1941, **22**: No. 9, 1–3.—**Paratyphoid** fevers in the United States Army. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 30–8.—**Parkinson.** Sick wastage. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 710–2.—**Paul, J. R.** Poliomyelitis attack rates in American troops, 1940–48. Am. J. Hyg., 1949, **50**: 57–62.—**Pepper, O. H. P.** Disease expectancy in the new Army. War Med., Chic., 1941, **1**: 463–9.—**Rekkoku** guntai ni okeru kanzya no syōtyō; Beikoku guntai [Variations in the numbers of patients in the armies of European powers; the American Army] In: Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugunsyō) Tōkyō, 1930, 63, ch.—**Review** of the admission rates reported for Fort Benning, Ga., during the years of 1919 to 1922, inclusive. Army M. Bull., 1923, No. 7, 206–8.—**Review** of the health of the Army; September-December, 1938. Mil. Surgeon, 1939, **84**: 386–90.—**Schnabel, T. G., & Vaughan, W. T.** Pneumonia and empyema at Camp Sevier. Arch. Int. M., 1918, **22**: 440–65.—**Schorer, E. H., Clark, F. D.** [et al.] Pneumonia and empyema in the late winter of 1917–18. Med. Rec., N. Y., 1919, **95**: 673–80.—**Simmons, J. S.** The present state of the Army's health. J. Am. M. Ass., 1943, **122**: 916–23. Also Phi Delta Epsilon News, 1943, **34**: 151–69.—**Tenney, C. F., & Rivenburgh, W. T.** A group of sixty-eight cases of type I pneumonia occurring in thirty days at Camp Upton. Arch. Int. M., 1919, **24**: 545–52.—**Typhoid** fever [in the United States Army.] Rep. Surg. Gen. Army, Wash., 1913, 49–56.—**Vaughan, V. C.** Typhoid fever in the Second Pennsylvania Infantry. J. Am. M. Ass., 1900, **35**: 108. ——— Typhoid fever among American soldiers. Med. Press & Circ., Lond., 1900, n. ser., **70**: 104 (Abstr.)—**Vital** statistics in major units under Army Ground Force control. In: Prev. Med. in World War II, Wash., 1948, **9**: 5.—**Woodland, J. C., & Smith, E. M.** Acute encephalitis; mild epidemic observed at station hospital, Fort Sam Houston, Texas. J. Am. M. Ass., 1942, **120**: 358–61.

—— United States: Navy.

United States. Navy. Bureau of Medicine and Surgery. Annual report of the Surgeon General, concerning statistics of diseases and injuries in the United States Navy. Wash. (1892/93–1942) 1893–1945. Sanitary and statistical report, 1880, 1881. Wash., 1882–83.

—— Monthly health index. Wash., No. 59, 1927–

—— Statistics of diseases and injuries in the United States Navy, 1932– . Wash., 1933–

—— Medical Statistics Division. Weekly morbidity report, shore stations in continental United States. Wash., No. 2, 1942–

Analysis of morbidity. Annual Rep. Surg. Gen. U. S. Navy, 1947, 43–54.—**Annual** report of the U. S. Navy. J. Am. M. Ass., 1935, **104**: 1534.—**Braceland, F. J., & Rome, H. P.** The trends of mental disease in the Navy. In: Trends of Ment. Dis. (Am. Psychopath. Ass.) N. Y., 1945, 92–101.—**Discontinuation** of monthly communicable disease report; establishment of monthly morbidity report. Bumed News Lett., Wash., 1945, **5**: No. 9, 23–6.—**Diseases** of the eye and adnexa. Statist. Navy M., 1947, **3**: No. 3, 6–8.—**Elliott, M. S.** Report of an epidemic of typhoid on the U. S. S. Maine. U. S. Nav. M. Bull., 1909, **3**: 106–9.—**Force** of morbidity; selected conditions, 1948. Statist. Navy M., 1949, **5**: No. 12, 2–4.—**France, B.** The health of our Navy at sea. Hygeia, Chic., 1935, **13**: 891–3.—**Health** of the Navy [1935–43] U. S. Nav. M. Bull., 1936–43, **34**:–**41**: 422; passim.—**Hernia** statistics in the Navy. Ibid., 1945, **45**: 367.—**Incidence** of anemia in the Navy and Marine Corps. Statist. Navy M., 1949, **5**: No. 2, 2–5.—**Logan, V. W., & Bransford, P. W.** Peptic ulcer in the U. S. Navy. Ann. Int. M., 1943, **18**: 929–34.—**Lulow, W. V., & Benjamin, H. B.** Analysis of low incidence of infectious diseases at a secondary training center. U. S. Nav. M. Bull., 1944, **43**: 114–7.—**McDaniel, F. L.** Mental diseases in the U. S. Navy. Ibid., 1938, **36**: 536–42.—**McDonnold, P. E.** A history of the typhoid cases occurring on board the U. S. S. Connecticut. Mil. Surgeon, 1908, **23**: 29–46.—**McIntire, R. T.** Health conditions in the Navy. J. Am. M. Ass., 1945, **129**: 215.—**Manpower** loss due to nephritis. Statist. Navy M., 1949, **5**: No. 7, 4.—**Marks, J. S.** The health record. U. S. Nav. M. Bull., 1938, **36**: 559–63.—**Morbidity** at training stations in 1946. Statist. Navy M., 1947, **3**: No. 5, 22–47.—**Non-effective** (The) ratio by type of service. Ibid., No. 6, 9–11.—**Patients** in training and non-training hospitals. Ibid., 1950, **6**: No. 3, 7.—**Peller, S., & Stephenson, C. S.** Cancer in the U. S. Navy. Am. J. Hyg., 1939, **29**: Sect. A, 34–59.—**Schwentker, F. F., Hodes, H. L.** [et al.] Streptococcal infections in a Naval training station. Am. J. Pub. Health, 1943, **33**: 1455–60.—**Smiley, D. F., & Raskin, H. A.** Diarrheal diseases in the Navy; the Navy's experience, 1882–1942. U. S. Nav. M. Bull., 1945, **44**: 267–83. ——— Pneumonia in the U. S. Navy, 1882–1942; as cause of admission to sick list. Ibid., 973–84.—**Ware, R. L.** Diseases of leading importance to the Navy. Ibid., 1948, **48**: 153–60.—**Wheelis, J. M.,** jr. A time-study of morbidity and mortality in the U. S. Navy. Am. J. Pub. Health, 1938, **28**: 1291–7. Also U. S. Nav. M. Bull., 1939, **37**: 142–50.—**Young, D. C., Breese, B. B.** [et al.] Diphtheria outbreak at a large naval training center. Ibid., 1945, **45**: 669–77.

MOROCCO.

See the following headings: **Morbidity; Venereal disease; Veterinary service; Wars and campaigns; World War II.**

MORPHINE.

Hanselman, N. K. Visual morphine syrette containers. 7p. 27cm. Dayton, 1949.
Forms No. MCREXD-698-39B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Smith, P. K. Effects of morphine at high altitude. 2 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 181, U. S. Air Force School Aviat. M.

Anderson, T. O. Antiseptic applicator for use with morphine syrette. U. S. Nav. M. Bull., 1944, **42**: 1421.—**Beecher, H. K.** Morphine poisoning in battle casualties. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 2, 22.—**Bowen, F. H.** Intravenous administration of morphine tartrate. U. S. Nav. M. Bull., 1946, **46**: 740.—**Ivy, A. C., Goetzl, F. R., & Burrill, D. Y.** Morphine-dextroamphetamine analgesia; the analgesic effects of morphine sulfate alone and in combination with dextroamphetamine sulfate in normal human subjects. War Med., Chic., 1944, **6**: 67–71.—**Large** doses of morphine. U. S. Nav. M. Bull., 1943, **41**: 1755.—**Mikhailov, S.** Redkij slučaj otravlenija morfiem; bolee 1,0 gr. podkožno, s posledujušćimi psikhonervno-trofićeskimi razstrojstvami. Voen. med. J., S. Peterb., 1912, **234**: Med. spec. pt, 588–98.—**Morphia** in shock. Bull. Army M. Dep., Lond., 1942, No. 15, 1.—**Peterson, E. W., Bornstein, M. B., & Jasper, H. H.** Effect of morphine sulfate on persons exposed to simulated altitude. War Med., Chic., 1945, **7**: 23–8.—**Schenkenberger, H., Langer, C.** [et al.] Morphine from opium. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 121–3. ——— Morphine from papaver capsuleshells. Ibid., 123. ——— Purification of crude morphine. Ibid., 123. ——— Codeine by methylation of morphine. Ibid., 126.—**Zimmerman, A. M.** Zagotovlenie i sterilizacia rastvora soljano-kislago morfija v ampullakh. Voen. med. J., S. Peterb., 1913, **238**: Med. spec. pt, 191–202.

MORPHINISM.

See also **Drug addiction.**

Brown, C. T. Morphine withdrawal; report of a case. U. S. Armed Forces M. J., 1950, **1**: 328–31.—**Kemal Osman & Mazhar Osman** [Causes and treatment of morphinemania] Askerî sihhiye mecmuasi, 1935, **64**: 116–30.

MORTALITY.

See also **Casualty; Death;** also **World War I; World War II.**

Absolute mortality rates per 1,000,000 strength; British Army in the U. K., 1943 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 19.—**Age** at death in World War II. Statist. Bull. Metrop. Life Insur., 1947, **28:** 5–7.—**Army** mortality with respect to disease (1943 and 1944) and mortality in the civilian population. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 21.—**Avdeev, M.** Smert. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 177–80.—**Bogen, E.** Mars and mortality; the influence of war on death rates from various causes in different populations. Am. Rev. Tuberc., 1944, **49:** 231–7.—**Canadian** mortality in the war years. Statist. Bull. Metrop. Life Insur., 1943, **24:** No. 9, 5–7.—**Deaths** in the British Army during the war years [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 23.—**Dubs, J.** Grundlagen für die Verlust-Berechnungen und die Berechnung der Rückschub-Zahlen und -Zeiten. In his Feldchirurgie, 2. Aufl., Zür., 1941, 439–43. ——— Historische Schlachtverluste [tab.] Ibid., 444–6.—**Gesamtabgang** durch Sterblichkeit. San. Ber. Deut. Marine (1912–13) 1917, 16–28 (1930) 1932, 7–10.—**Greenwood & Lewis-Faning, E.** Normal death-rate of the Navy. Lancet, Lond., 1944, **2:** 574.—**Home, W. E.** Death-rate of retired merchant seamen. Ibid., 1933, **2:** 440. ——— Mortality of British merchant seamen. Ibid., 1934, **1:** 1081–3.—**Hosemann, G.** Vergleich der Mortalität in den letzen drei Kriegen. In: Infektkr. jetz. Kriege (Germany. Heeres-Saninsp.) Berl., 1944, Docum. No. 8715, 12–4, tab. ——— Vergleich der Letalität an Infektionskrankheiten in den letzten drei Kriegen. Ibid., 15, tab.—**Kaminsky, L.** Smertnost. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 172–7.—**Klugman, G. A.** Analiz smertnosti po N-skomu evakohospitalju. In: Vopr. khir. voiny &c. (Gorsky gosud. med. inst.) Gorky, 1942, 285–94.—**Love, A. G.** Pérdidas humanas en la guerra; bajas en el campo de operaciones. Rev. san. mil., B. Air., 1932, **31:** 458–73.—**Low** mortality among wounded in World War II. Statist. Bull. Metrop. Life Insur., 1947, **28:** No. 2, 4–6.—**Military** deaths in 1943. Ibid., 1944, **25:** 5–7.—**Movitt, S. J.** How mortality among wounded in the Red Army is reduced. California West. M., 1944, **60:** 99.—**Mühle, C.** Die Sterblichkeit im Krieg. Bayern in Zahlen, 1947, **1:** 59–61.—**Orbaan, C.** Veranderingen in morbiditeit en mortaliteit gedurende en na de oorlog. Tschr. sociale geneesk., 1947, **25:** 309–16.—**Rekkoku** guntai ni okeru sibō [Statistics on deaths in the European armies] In: Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 423–95, 36 ch.—**Relative** mortality rates; British Army in the U. K., 1943 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 19.—**Rouvidich, J. M.** [Mortality and morbidity in the Jugoslav Army during 12 years after the war, 1922–33] Voj. san. glasnik, 1935, **6:** 495–512.—**Sachs, W.** Effect of war on mortality. J. Insur. M., 1948–49, **4:** No. 2, 58–61.—**Sand, R.** L'influenza della ereditarietà sulla mortalità. Ann. med. nav., Roma, 1949, **54:** 352.—**Todesursachen** (Die) der Militärbevölkerung im Deutschen Reich und in seinen Ländern in den Jahren 1914–1919.—In: Erg. Todesurs. (Germany Reichsgesundhamt) Berl., 1925, **11:** 51.—**Todesursachen** der Militärpersonen im Deutschen Reich und in seinen Ländern in den Jahren 1914 bis 1919 (tab.) Ibid., 36–50.—**Vartiainen, I.** War-time and the mortality in certain diseases in Finland. Ann. med. int. fenn., 1946, **35:** 234–40.—**Waga** rikugun ni okeru sibō [Statistics on deaths in the Japanese army] In: Teikoku rikugun eisei seiseki no kako oyobi genzai narabi-ni Ohsyū rekkyō guntai eisei seiseki (Japan. Rikugun-syō) Tōkyō, 1930, 375–423, 18 ch.—**War** and international mortality trends. Statist. Bull. Metrop. Life Insur., 1939, **20:** No. 9, 6–9.—**War-time** mortality. Med. Off., Lond., 1940, **63:** 164.—**Watkins, J. H., & Hitchcock, S. V.** Annual mortality from all causes of death (except air raids) in 13 German cities, 1938, 1940, 1942–43–44 [tab.] In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 121. ——— Effect of air attacks on mortality trends. Ibid., 148–58.

—— United States.

Cancer mortality in the Army. Health U. S. Army, 1947, **2:** No. 3, 9–11.—**Causes** of death, U. S. Army compared with the C. C. C. Army M. Bull., 1941, **56:** 109–12.—**Civilian** deaths from military action. Statist. Bull. Metrop. Life Insur., 1940, **21:** No. 12, 1–3.—**Comparison** of case fatality rates. Bull. U. S. Army M. Dep., 1944, No. 81, 37.—**Decline** in mortality among women in wartime. Statist. Bull. Metrop. Life Insur., 1945, **26:** No. 2, 3–5.—**Excellent** health record of a war year. Ibid. 1942, **23:** No. 7, 1–3.—**Lang, R. O.** Army mortality statistics. Vital Statist. Spec. Rep. U. S., 1940–41, **12:** 357–62.—**Military** deaths in 1942. Statist. Bull. Metrop. Life Insur., 1943, **24:** 4–8.—**Military** deaths in 1944. Ibid., 1945, **26:** 6–9.—**Military** death losses. J. Am. M. Ass., 1945, **127:** 466.—**Military** losses as measured by peacetime standards. Statist. Bull. Metrop. Life Insur., 1940, **21:** No. 6, 2–5.—**Mortality** in the Army. Health (U. S. War Dep. Surg. Gen. Off.) 1945, June, 47–9.—**Mortality** experience of a group of naval officers. Statist. Navy M., 1949, **5:** No. 6, 4–6.—**Mortality** on home front continues very favorable. Statist. Bull. Metrop. Life Insur., 1944, **25:** No. 10, 6–8.—**National** mortality in a war year. Ibid., 1–3.—**War** deaths and the sex ratio of mortality. Ibid., No. 12, 6–8.—**Wartime** strains responsible for increased death rate. J. Am. M. Ass., 1944, **124:** 50.

—— Veterans.

Burke, F. S. Deaths among war pensioners. Canad. M. Ass. J., 1939, **41:** 457–65.

MORTAR shell.

See under **Foreign body,** gunshot.

MOSQUITO.

See also **D D T; Fly; Fly control; Insect; Insect control; Insecticide; Malaria,** Control; **Yellow fever.**

United States. War Department. Surgeon General's Office. Directions for collecting and forwarding mosquitoes. 2p. 8° Wash., 1908.

Angelini, A. Zanzare pericolose. Gior. med. mil., 1930, **78:** 650–3.—**Buddle, R.** A rough guide to the identification of mosquitoes. J. R. Nav. M. Serv., 1927, **13:** 217–22.—**Hargrave, W. W.** The Mosquito Coast and the Caymans. U. S. Nav. M. Bull., 1916, **10:** 737–41.—**Harold, C. H. H.** Studies in mosquito bionomics. J. R. Army M. Corps, 1926, **47:** 81; 180.—**Hassett, C. C., & Jenkins, D. W.** Production of radioactive mosquitoes. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 53–5.—**Ikuma, K.** Malaria kansen ka ni yoru zintai sessyu zikken [Experiments in inoculation of the human body by means of mosquitoes infected with malaria] Gun idan zassi, 1943, 39–48, 2 pl.—**Jackson, R. B.** Mosquitoes. Caduccus, Hong Kong, 1932, **11:** 83–91.—**Ludlow, C. S.** A question of synonomy. Mil. Surgeon, 1915, **36:** 505–8.—**MacGregor, M. E.** A method of preventing the stranding of mosquito ova while hatching. J. R. Army M. Corps, 1919, **33:** 493.—**Mansell, R. A.** Cannibalism amongst mosquito larvae. Ibid., 1936, **66:** 50.—**Masters, C. O.** The selective breeding habits of mosquitoes as correlated with specific gravity. Mil. Surgeon, 1943, **93:** 194–7.—**Nelson, T. C.** Mosquito-borne diseases already brought into this country from war areas and the likelihood of their becoming established here. Proc. N. Jersey Mosquito Exterm. Ass., 1944, **31:** 31–40.—**Peppler, H. J.** Usefulness of microorganisms in studying dispersion of flies. Bull. U. S. Army M. Dep., 1944, No. 75, 121.—**Pratt, J. J.,** jr, **Heterick, R. H.** [et al.] Tires as a factor in the transportation of mosquitoes by ships. Mil. Surgeon, 1946, **99:** 785–8.—**Wellington, A. R.** The life history of mosquitoes. Caduceus, Hong Kong, 1930, **9:** 1–16.—**Young, F. N.,** jr, & **Christopher, W. N.** Unusual breeding places of mosquitoes in the vicinity of Keesler Field, Mississippi. Am. J. Trop. M., 1944, **24:** 379.

—— Collection and taxonomy.

Bohart, R. M. A synopsis of the Philippine mosquitoes. 88p. 26cm. Wash., 1945.
Forms Navmed 580, U. S. Navy Bur. M. & S.

—— & Ingram, R. L. Mosquitoes of Okinawa and islands in the Central Pacific. 110p. 22½cm. Wash., 1946.
Forms NAVMED 1055, U. S. Navy Bur. M. & S.

Laird, M. A report on material obtained during a mosquito survey at Palmalmal, New Britain. p.465–78. 24cm. [n. p.] 1946.
Forms No. 1, Bull. Entom. Surv., S. W. Pacific, N. Zealand, R. Air Force.
Also Tr.R. Soc. N. Zealand, 1946, **75:** Pt 4, 465–78.

Ludlow, C. S. Disease-bearing mosquitoes of North and Central America, the West Indies, and the Philippine Islands. 97p. 8° Wash., 1914.
Forms No. 4, Bull. U. S. War Dep. Surg. Gen. Off.

Simmons, J. S., & Aitken, T. H. G. The anopheline mosquitoes of the northern half of the Western Hemisphere and of the Philippine Islands; distribution, habits, identification, importance as vectors, and control. 213p. 22cm. Carlisle Barracks, 1942.

United States. Army Service Forces. Fourth Service Command. Medical Laboratory. Mosquito collections at Fourth Service Command Army installations during 1942–43. 2v. 183 l.; 441 l. Fort McPherson, 1945.

United States. Navy Department. Bureau of Medicine and Surgery. Preventive

MEDICINE DIVISION. COMMUNICABLE DISEASES CONTROL SECTION. The distribution of mosquitoes of medical importance in the Pacific area. 64p. 33cm. Wash., 1946.

Abstract of report on mosquito survey on Guam. Armed Serv. Res. Rep. Insect & Rodent, 1948, 80.—**Baba, K.** Nan-Si-san gyaku-ka ran no bunruigaku-teki kenkyū, toku-ni Nan-Si mi-kiroku no ni sin kei ni tuite [Taxonomical studies on the eggs of ague-carrying mosquitoes native to South China, especially two new types in South China not yet recorded] Gun idan zassi, 1943, 293–300.—**Bradley, G. H., Freeborn, S. B., & Gerberg, E. J.** A key to the mosquito larvae of the Southern United States. Malaria Control in War Areas, 1943, May, 2.—**Cairns, D. W.** Mosquitoes of Fort Dupont, Delaware. Mil. Surgeon, 1936, 78: 369–86.—**Carpenter, S. J.** Mosquito studies in military establishments in the Seventh Corps area during 1941. J. Econom. Entom., 1942, 35: 558–61.—**Claude, J.** Les moustiques du pays des Dombes, en particulier de la région Nord du camp de Sathonay. Caducée, Par., 1907, 7: 145.—**Collection** of mosquito specimens [form letter] Bumed News Lett., Wash., 1943, 2: No. 5, 24. Also Hosp. Corps Q., 1943, 16: No. 4, 234.—**Duret, J. P.** Lista de los mosquitos del gran Buenos Aires. Rev. san. mil. argent., 1949, 48: 122–4.—**Dyar, H. G., & Ludlow, C. S.** A note on two Panama mosquitoes; Diptera, Culicidae. Mil. Surgeon, 1921, 48: 677–80.—**Elmendorf, J. E.** Report of an entomological survey conducted at Naval Air Station, Jacksonville, Florida, 1941. Annual Rep. Bd Health Florida (1941) 1942, 42: 68–70.—**Guillon, T.** Moustiques; maringouins et maques en Guyane Française. Caducée, Par., 1910, 10: 192.—**Gunn, W. C.** Mosquitoes in the Glasgow district of Scotland. J. R. Army M. Corps, 1935, 65: 108–12.—**Huffaker, C. B.** Summary of some studies on the reaction of mosquitoes to various collecting devices. Proc. N. Jersey Mosquito Exterm. Ass., 1943, 30: 30–2.—**Langrishe, J. du P.** Mosquitoes in Bermuda. J. R. Army M. Corps, 1924, 42: 103–20.—**Ludlow, C. S.** A new Philippine mosquito; Diptera, Culicidae. Mil. Surgeon, 1921, 48: 690.—**MacArthur, W. P.** The adult mosquitoes of Shanghai. J. R. Army M. Corps, 1929, 52: 241–7.—**MacGregor, M. E.** A new mosquito of the genus Orthopodomyia from a beech tree-hole in England. Ibid., 1919, 33: 451–4, pl.—**Mangin, F. M.** The pathogenic mosquitoes of Jamaica. Ibid., 1906, 6: 423–9.—**Miura, D.** Taiwan ni okeru kazoku no kenkyū [Studies of kinds of mosquitoes in Formosa] Gun idan zassi, 1936, 305–24.—**Mosquitoes** in the Philippine Islands. Bull. U. S. Army M. Dep., 1944, No. 81, 27.—**Olson, T. A., & Keegan, H. L.** The mosquito collecting program of the Seventh Service Command for 1942–43. J. Econom. Entom., 1944, 37: 780–5.—**Perry, W. J.** The mosquitoes and mosquito-borne diseases of the Pacific Islands. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 64.—**Reeves, W. C.** Mosquito survey activities relevant to investigations on mosquito borne diseases on Guam; preliminary report. Ibid., 1948, No. 4, 79.—**Talbot, G.** Observations on mosquitoes at Sandwich during the years 1918–19. J. R. Army M. Corps, 1920, 35: 167–75.—**Tanaka, T.** Kwangchow-si hoppō tiku ni okeru Anopheles-ka no tyōsa hōkoku; Anopheles-ka no bunpu, tisei to no kankei, kisetuteki syōtyō oyobi malaria denpasei [Reports on an investigation of Anopheline mosquitoes north of the city of Kwangchow; distribution of anopheline mosquitoes, relation to the topography, seasonal variations, and the nature of the dissemination of malaria] Gun idan zassi, 1943, 330–42.—**Waterston, J.** Entomological observations on mosquitoes in Macedonia. J. R. Army M. Corps, 1922, 38: 334–49.

MOSQUITO control.

See also **D D T; Fly control; Insect control; Insecticide; Malaria,** Control.

Beware of the dangerous house fly and exterminate the mosquito. Mil. Surgeon, 1918, 43: 220–6.—**Bishopp, F. C., & Stage, H. H.** A review of mosquito work in a world at war in 1944. Proc. N. Jersey Mosquito Exterm. Ass., 1945, 32: 13–35.—**Botsford, R. C.** Civil mosquito control in Connecticut in wartime. Ibid., 1943, 30: 79.—**Bradley, G. H.** Malaria control in war areas in the United States in 1943 by the U. S. Public Health Service; entomological phases. Ibid., 1944, 31: 129–33.—**Brown, O. J.** Mosquito control by the U. S. Navy at naval stations in the middle Atlantic states. Ibid., 1942, 29: 30–5.—**Butchard, E.** Mosquito control problems resulting from the national defense program in Nassau County. Ibid., 148–50.—**Cory, E. N.** Special problems in civil mosquito control work in war times in Maryland. Ibid., 1943, 30: 77.—**Cox, W. C.** Insect control during World War II; mosquitoes. In: Prev. Med. in World War II, Wash., 1948, 11: 29–37.—**Culley, W. M.** Mosquito control in and about military reservations of the Second Service Command. Proc. N. Jersey Mosquito Exterm. Ass., 1943, 30: 87–9.—**Dews, S. C., & Morgan, J. H.** Military aspects of malaria control in the Fourth Service Command. J. Nat. Malaria Soc., 1945, 4: 105–8.—**Dorer, R. E.** Mosquito control problems resulting from the national defense program in Virginia. Proc. N. Jersey Mosquito Exterm. Ass., 1942, 29: 154.—**Dunham, G. C.** Methods of reducing the cost of antimosquito measures in the control of malaria. Mil. Surgeon, 1928, 62: 33–8.—**Farlow, M. A.** Mosquito control work by the United States at Raritan Arsenal. Proc. N. Jersey Mosquito Exterm. Ass., 1931, 18: 148–50.—**Feilton, H. L., & Barnes, R. C.** The plan of operation for the northeastern division of the Malaria Control in War Areas office of the U. S. Public Health Service. Ibid., 1944, 31: 45–7.—**Fisher, H. H.** Mosquito control at MacDill Field. Rep. Florida Antimosquito Ass., 1942, 16: 3–9.—**Fox, C.** The campaign against mosquitoes. U. S. Nav. M. Bull., 1919, 13: Suppl., 26–8, pl.—**Gálvez Gómez, A.** Lucha antimosquito. Rev. san. mil., Habana, 1945, 9: 159–64.—**Geib, A. F.** California program of malaria control in war areas. Proc. California Mosquito Control Ass., 1944, 13: 48–61.—**Gies, R. W., & Stabler, R. M.** Mosquito work on a war time basis, special problems and manner in which they are being met in Delaware County, Pennsylvania. Proc. N. Jersey Mosquito Exterm. Ass., 1945, 32: 101–3.—**Given, D. H. C.** The campaign against mosquitoes on board H. M. S. Cadmus. J. State M., Lond., 1916, 24: 47–51. Also J. R. Nav. M. Serv., 1922, 8: 265–9.—**Goldberger, J.** Prevention and destruction of mosquitoes. Pub. Health Rep., Wash., 1908, 23: 1007–15.—**Gordon, J. E.** Mosquito control. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 5, No. 2, 20.—**Hardenbergh, W. A.** Organization and engineering aspects of the Army mosquito control program. Rep. Florida Antimosquito Ass., 1942, 16: 39–41. ——— Outstanding features of the mosquito control work of the United States Army in 1943. Proc. N. Jersey Mosquito Exterm. Ass., 1944, 31: 126–9. ——— **& Clark, L. K.** Mosquito control in the Army reservations in the middle Atlantic and northeastern states. Ibid., 1942, 29: 27–30.—**Hutzel, J. M.** Protecting marines from insect-borne diseases. Mosquito News, 1946, 6: 36.—**Investigational** work on adult mosquitoes. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 72.—**King, W. V., & Kuhns, D. M.** Development of entomological service of the Fourth Service Command laboratory as applied to the Army's mosquito control program. J. Nat. Malaria Soc., 1943, 2: No. 2, 39–47. ——— **& Ray, M.** Progress in the application of laboratory methods in the Army's malaria control program. Ibid., 31–8.—**Leedham, C. L.** A mosquito control program. Mil. Surgeon, 1937, 80: 431–6.—**Le Prince, J. A.** Mosquito control about cantonments and shipyards. Proc. N. Jersey Mosquito Exterm. Ass., 1919, 6: 7–17.—**McCoy, G. W.** Notes on mosquito eradication. Pub. Health Rep., Wash., 1912, 27: 1029–34.—**McCoy, O. R.** The Army's program to minimize the danger of introduction of mosquito-borne diseases by returning personnel. Proc. N. Jersey Mosquito Exterm. Ass., 1945, 32: 236–9.—**Malaria** control overseas. Bull. U. S. Army M. Dep., 1945, 4: 501–3.—**Mosquito** control. Mil. Surgeon, 1941, 89: 605.—**Mosquito** control in Berlin. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, 1: No. 3, 41–7.—**Notes** on the biology and control of mosquitoes at Umiat, Alaska. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 9.—**Osmun, J. V.** Anti-mosquito work in the 2nd Service Command. Proc. N. Jersey Mosquito Exterm. Ass., 1944, 31: 179–82.—**Owen, H. R.** Special problems in civil mosquito control work, during war time, in Philadelphia. Ibid., 1943, 30: 71–3.—**Peterson, E., & Walker, F. D.** Mosquito control in St Thomas. U. S. Nav. M. Bull., 1923, 18: 291–302, 4 pl.—**Poust, L. R.** Mosquito control as it concerns the National Defense Program. Rep. Florida Antimosquito Ass., 1941, 15: 18–21.—**Rector, N. H.** Malaria control in war areas in the United States in 1943 by the U. S. Public Health Service; engineering phases. Proc. N. Jersey Mosquito Exterm. Ass., 1944, 31: 133–8.—**Rees, D. M.** Relationship between military and local agencies engaged in mosquito abatement work in Utah. Proc. California Mosquito Control Ass., 1944, 13: 120–5.—**Reeves, R. S., Packer, H. M., & Gies, R. W.** Mosquito work on a wartime basis, special problems and the manner in which they are being met in Philadelphia. Proc. N. Jersey Mosquito Exterm. Ass., 1945, 32: 100.—**Reinoehl, J. K.** The control of mosquitoes within the reservation limits of Fort Dix. Ibid., 1942, 29: 40; 1943, 30: 186.—**Rouché.** Deux années de lutte contre les moustiques au centre d'aviation de Rochefort. Arch. méd. pharm. nav., 1935, 125: 545–82, 2 map.—**Russell, A. E.** Mosquito control adjacent to military reservations in the Second Service Command. Proc. N. Jersey Mosquito Exterm. Ass., 1943, 30: 89–93.—**Ruth, P. W.** Mosquito control problems resulting from the national defense program. Ibid., 1942, 29: 155. ——— Special problems in civil mosquito control work in war time in the city of Norfolk, Virginia. Ibid., 1943, 30: 74–7. ——— Mosquito work on a war time basis, special problems and the manner in which they are being met in Norfolk. Ibid., 1945, 32: 94–6.—**Sammis, R. H.** Mosquito work on a wartime basis, special problems and the manner in which they are being met in Nassau County. Ibid., 103.—**Shropshire, J. B.** Mosquito fighters in Panama. Mil. Surgeon, 1931, 68: 769–76.—**Simmons, J. S.** The United States Army's war in the air against the mosquito-borne diseases. Am. J. M. Sc., 1938, 196: 153–67.—**Smith, L. W.** A formula for elimination of mosquitoes of mutual concern to military and civilian agencies; careful planning, plus cooperation, equals gratifying progress. Proc. N. Jersey Mosquito Exterm. Ass., 1944, 31: 123–5. ——— **VanDerwerker, R. J.** [et al.] What can be done to offset the effect on mosquito work of labor and material shortages due to the war? Ibid., 1942, 29: 13–6.—**Snyder, T. E., Kowal, R. J.** [et al.] Protecting military supplies and equipment against insects. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 19–21.—**Taxonomic** (A) treatment of the mosquitoes of Umiat, Alaska. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 9.—**Teodorović, S.** Naša iskustva u borbi protiv komaraca. Voj. san. pregl., Beogr., 1947, 4: 229–32.—**Valle, V.** Considerazioni su alcuni ausiliari

alla lotta antimalarica. Ann. med. nav., Roma, 1926, **2**: 273–92.—**VanDerwerker, R. J.** Regular Mosquito Commission activities as a contribution to national defense. Proc. N. Jersey Mosquito Exterm. Ass., 1942, **29**: 42–4.—**Vannote, R. L.** Protection of war industrial areas and reservations of the armed forces from mosquitoes by civil mosquito work. Ibid., 1943, **30**: 85–7.—**Walson, C. M., & Osmun, J. V.** Mosquito work done by the Army in the Second Service Command with special reference to entomological phases. Ibid., 1945, **32**: 219–22.—**Watson, M.** Some emergency anti-malarial measures. Rev. Appl. Entom., Lond., 1943, **31**: ser. B, 14 (Abstr.)—**Weathersbee, A. A.** Mosquito control at the Naval Base, Norfolk, Virginia. Proc. N. Jersey Mosquito Exterm. Ass., 1945, **32**: 96–9.—**White, C. M.** The army declares war on mosquitoes. Health Bull., Raleigh, 1941, **56**: No. 8, 7; 16.—**Whitley, F. H.** Mosquito control activities by First Army. Proc. N. Jersey Mosquito Exterm. Ass., 1948, **35**: 78–80.—**Williamson, C.** The relation of mosquito control to national defense in Suffolk County. Ibid., 1942, **29**: 146–8.—**Wright, E.** Mosquito control problems resulting from the national defense program in Massachusetts. Ibid., 150–2. ——— Special problems in Massachusetts in civil mosquito control caused by the war. Ibid., 1943, **30**: 80–2. ——— Mosquito work on a wartime basis, special problems and the manner in which they are being met. Ibid., 1945, **32**: 254–6.—**Zukauckas, E. W.** The mosquito control and training program at Fort Dix in 1943. Ibid., 257.

—— Area treatment.

Campbell, A. E. Drainage and the growing of grass. J. R. Army M. Corps, 1936, **67**: 184–7.—**Hansen, C. A.** Malaria control in swamp areas. Malaria Control in War Areas, 1944, Sept., 5.—**Henderson, J. M., & Neill, A. H.** Pumps for malaria control in Puerto Rico. Ibid., 4.—**Nichols, F. P.** The effects of large drainage works on the prevalence of malaria. J. R. Army M. Corps, 1907, **8**: 343–60.—**Peek, E. H., & Deonier, C. C.** Area control of insects; mosquito control. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 4, 13–6.

—— Breeding control.

See also **Larvicide.**

Control of mosquito breeding. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 45; 48; 64.—**Gambusia** (Le) affinis Baird et Girard; son utilisation pour la destruction des moustiques. Caducée, Par., 1918, **18**: 21.—**Parham, J. C.** Detection of mosquito larvae. U. S. Nav. M. Bull., 1921, **15**: 386.—**Peek, E. H., & Deonier, C. C.** Mosquito larvicides; laboratory work. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 19.—**Sasa, M.** Thymol-kei yakubutu gyaku-sei sekken ta-sūsyu syōdoku-zai no ka-yōtyū satumetu kōryoku [The efficacy in the killing of the larvae of mosquitoes of various kinds of antiseptic preparations of invert soap of the thymol type of drugs] Kaigun gun ikai zassi, 1944, **33**: 424.—**Terrill, J. G.,** jr. Time-cost studies on larviciding crews. Malaria Control in War Areas, 1944, Dec., 1–4.

—— Building treatment.

Gahan, J. B., Peffly, R. L. [et al.] Premise treatment. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 13–6.—**Hanafin, J. B.** Further results in mosquito proofing barracks. J. R. Army M. Corps, 1928, **51**: 127–30.—**Jellison, W. L., & Thomas, F. W.** Malaria control; the use of Hessian cloth in mosquito proofing buildings. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 99.—**Mosquito-proofing** of buildings. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 65.—**Munro, A. C.** An experiment in mosquito-proofing barracks of British troops. J. R. Army M. Corps, 1927, **49**: 248–55.

—— Clothing and personal protection.

United States. War Department. Impregnation of clothing with insect repellent (dimethyl phthalate) 3p. 27cm. Wash., 1944.
Forms TB MED 121, Techn. Bull. War Dep., U. S.

Cross, H. F., Smith, C. N. [et al.] Personal protection; mosquitoes and other biting flies. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 4, 7–10.—**D'Ormea, G.** Sull'uso della pomata al timolo come misura culicifuga per le truppe in servizio in località malariche. Gior. med. mil., 1919, **67**: 296–300.

—— Insecticides and sprayers.

Australia. Army. Advanced Land Headquarters [South West Pacific Area] Technical circular, No. 4: Destruction of adult mosquitoes in the early stages of an operation. 4 l. 35½cm. n. p., 1945.

United States. War Department. Technical bulletin TB MED 110: Use of DDT as insecticide to kill adult mosquitoes. 5p. 26cm. Wash., 1944.

Wyatt, W. J. Oil spraying equipment for the A–20 (Douglas) and PT–17 (Stearman) airplanes. p.1–62. 27½cm. Wash., 1948.
In: Prev. Med. in World War II, Wash., 1948, **3**: App. 32.

Aitken, T. H. G. A study of winter DDT house spraying and its concomitant effect on anophelines and malaria in an endemic area. In: Prev. Med. in World War II, Wash., 1948, **3**: App. 32, 185–97, 6 tab.—**Berry, T. D.** Experiments in the use of culicide for mosquito destruction. Pub. Health Rep., Wash., 1906, **21**: 83–9. ——— The steam blast as a mosquitocide. Mil. Surgeon, 1907, **20**: 36–9.—**Clark.** Field test of DDT as a residual spray against mosquitoes. Bumed News Lett., Wash., 1945, **5**: No. 2, 6.—**Dissemination** of DDT by aircraft. Bull. U. S. Army M. Dep., 1945, No. 85, 38.—**Francis.** Experiments in the culicidal effect of camphorphenol and sulphur on mosquitoes. Pub. Health Rep., Wash., 1907, **22**: 341–8.—**Freon-aerosol** (The) In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 42.—**Friedberg, A.** Aerial spraying of DDT. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: 36–9.—**Golovkov, A. I.** O vlijanii protivomoskitnoj židkosti J. I. Malinina na patogennye mikroby. Voen. med. J., S. Peterb., 1908, **222**: Med. spec. pt, 645–64.—**Gros, H.** Les préparations arsenicales dans la prophylaxie du paludisme. Arch. méd. nav., Par., 1901, **76**: 464.—**Hall, D. G.** Aerial DDT, emergency measure for control of mosquito-borne epidemics. Air Surgeon Bull., 1945, **2**: 71–3.—**Harvill, T. H.** Simple pressure sprayer for malaria control. U. S. Nav. M. Bull., 1945, **44**: 627.—**Health** bomb protects soldiers against disease. Army Navy Reg., 1943, **64**: 3.—**Holt, R. L.** A new mosquito spray. Mil. Surgeon, 1931, **69**: 625–7.—**Hough, F. P. W.** Extermination of mosquitoes at the naval proving ground. U. S. Nav. M. Bull., 1918, **12**: 144–6.—**Hurlbut, H. S., Maple, J. D.** [et al.] Observations on the dispersal of DDT from aircraft for the control of mosquitoes. Ibid., 1947, **47**: 368–79.—**Improvised** power oiling equipment. Bull. U. S. Army M. Dep., 1944, No. 79, 19.—**Koryak, A.** [Combatting malaria with planes in military aerodromes] Askerî sihhiye mecmuası, 1936, **65**: 209–12.—**McNear, R. B.** Protective jacket for use with knapsack sprayer. Army M. Bull., 1942, No. 63, 164.—**Smirnov & Sokolov** [Prevention of malaria by means of aeroplanes] Voen. san. delo, 1935, 24.—**Use** of DDT in Japanese theater of war for control of adult and larval mosquito vectors. Region. M. Stud. AAF Tactic Cent., 1945, No. 16, 1–9.—**USPHS**—Army policy on DDT for mosquito control. Malaria Control in War Areas, 1945, Mar., 6.—**Vachat, H.** La destruction des moustiques à Bourbonne-les-Bains pendant les saisons thermales 1903. Caducée, Par., 1907, **7**: 7–9.—**Van Auken, H. A.** Air plane spraying of DDT. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 37–42, 2 pl.—**Wyatt, W. J.** Oil spraying apparatus for the airplane, A–20, U. S. A. A. F. Ibid., **3**: App. 32, 29–54.

—— Repellent.

Bayer, Rüsch [et al.] Mosquito repellents. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 62.—**Cross, H. F., Peterson, D.** [et al.] Mosquito and black fly repellent tests. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 37.—**Jachowski, L.,** jr. Ineffectiveness of ingested sulphur as a mosquito repellent. Bumed News Lett., Wash., 1945, **5**: No. 7, 20.—**Method** (A) of evaluating the synergistic or antagonistic action of solvents on mosquito repellents. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 6.—**Mixture** (A) of two new mosquito repellent chemicals effective on sweating skin; preliminary report. Ibid., 7.—**Oxidation** (The) of 1, 2, 3, 4 tetrahydro beta naphthol in relation to mosquito repellent action. Ibid., July–Dec., 4.—**Summary** of investigations on mosquito repellents at the Naval Medical Research Institute, October 1944 to April 1945. Ibid., Jan.–June, 6.

MOSQUITO glove.

See under **Glove.**

MOSQUITO net.

Wilson, C. S., & Mathieson, D. R. Degree of mosquito protection afforded by poplin, Byrd cloth, 8.2 oz. cotton twill, British cellular weave, herringbone twill. 4 l. 26½cm. Bethesda, 1943.
Forms Res. Proj. X–258, U. S. Nav. M. Res. Inst.

Design of a tent and mosquito net combination unit of light weight for use of jungle combat troops. Progr. Rep. M. Field Res. Laborat. U. S. Navy, 1944, Oct., 4–6.—**Grayson, C. T.** The Grayson-Graeme hammock mosquito net. J. Ass. Mil. Surg. U. S., 1906, **18**: 191–3.—**Leikind, M. C.** A note on the early history of the mosquito net. Army M. Bull., 1943, No. 65, 173.—**Mosquito** bars. Bull. U. S. Army M. Dep., 1944, No. 81, 26.—**Mosquito** nets for hammocks and bunks; specification. R. Naval M. Bull., 1944, No. 9, 5–7.—**Nichol, C. E.** A new portable mosquito net support. J. R. Army M. Corps, 1909, **13**: 442.—**Nisi, M.** Bō-ka ami ni tuite [Control of mosquitoes by means of netting] Gun idan zassi, 1938, 145–63.—**Nylon** jungle net, field testing of. Progr. Rep. M. Field Res. Laborat. U. S. Navy, 1944, Oct., 13.—**Reynolds, L.** A simple and efficient method of erecting mosquito net wires. J. R. Army M. Corps, 1927, **48**: 302.

MOSQUITO trap.

Blin. Destruction des moustiques par le procédé des trouspièges. Caducée, Par., 1909, **9**: 163.—**Gaufin, A. R., & Levine, N. D.** A carabao-baited mosquito trap. J. Mil. M. Pacific, 1945, **1**: No. 3, 85.—**James, J. F.** Fumigation and trapping of mosquitoes. J. R. Army M. Corps, 1935, **65**: 267–9.—**Modified** mosquito light trap. Bull. U. S. Army M. Dep., 1946, **5**: 13.—**Thompson, T. O.** Mosquito destruction by James' method. J. R. Army M. Corps, 1936, **67**: 331–5.

MOTION picture service.

See also **Training.**

United States. Navy. Bureau of Medicine and Surgery. Catalog of training films and other medical training aids. Rev. ed. 32p. 19cm. Wash., 1945.

United States. Veterans' Administration. Department of Medicine and Surgery. A list of medical films which may be used in professional training. 129p. 27cm. Wash., 1947.

United States. War Department. Technical bulletin TB MED 4: Professional medical films. 9p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 188: Use of projector AN/TFQ–5 for implementing film program outlined in TB MED 166. 7p. 26cm. Wash., 1945.

Byers, J. Visual education in the Navy. Am. J. Nurs., 1943, **43**: 446.—**Lentini, V.** Medical motion picture films. Mil. Surgeon, 1940, **86**: 581.—**Leventhal, G.** The educational value of motion pictures on medical subjects. Med. Bull. Veterans Admin., 1942–43, **19**: 203–5.—**Martin, D. A. S., Fotheringham, J. A.** [et al.] Impressions on the film, Our Teeth; by members of the Army Dental Corps. Brit. Dent. J., 1945, **78**: 178–81.—**Medical** Department training films [list] Bull. U. S. Army M. Dep., 1945, No. 84, 24–6.—**Medical** motion pictures, distribution of [form letter] Bumed News Lett., Wash., 1943, **1**: No. 7, 22–6.—**Movies** on wartime medical and health subjects available. Ohio M. J., 1943, **39**: 583.—**New** training films. Bull. U. S. Army M. Dep., 1946, **6**: 31.—**Stott, P. H.** Audio-visual aids. Hosp. Corps Q., 1945, **18**: No. 4, 31.—**Sukharebsky, L.** Kinematografija i voennaja medicina. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1216–8.

MOTION sickness.

See **Kinetosis.**

MOTOR ability.

See also **Psychotechnics**; also **Aviator, Psychophysical test.**

Gagné, R. M., & Foster, H. Transfer of training from practice on components in a motor skill. 60 l. 28cm. Port Washington, 1947.

Forms No. 316–1–2, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

—— Transfer to a motor skill from practice on a pictured representation. 30 l. 28cm. Port Washington, 1948.

Forms No. 316–1–4, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Brown, J. S., & Jenkins, W. O. An analysis of human motor abilities related to the design of equipment and a suggested program of research. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 19, 35–63. ——— Summary of available literature pertaining to motor abilities. Ibid., 51–60.—**Melton, A. W.** Experimental apparatus tests; compensatory visual-motor reaction tests. Ibid., No. 4, 608–33, illust. ——— Experimental apparatus tests; visual-motor pursuit tests. Ibid., 634–60, illust. ——— Special research projects; psychomotor performance under conditions of anoxia and drugs. Ibid., 945–80.—**Oliveira Esteves, J. V. d'.** Un test para la exploración de la facilidad a automatizarse motrizmente. Rev. san. mil., B. Air., 1940, **39**: 607–10.

MOTORIZATION.

See also next heading; also **Mechanization; Troop movement; Vehicle.**

United States. War Department. FM 8–5, Medical field manual: Mobile units of the Medical Department. 347p. 19cm. Wash., 1942.

Dansey-Browning, G. C. Some ophthalmic problems in Egypt, with special reference to mechanization. J. R. Army M. Corps, 1940, 74: 335–41.—**Döllken, H.** Ueber dienstliche Hautkrankheiten bei den motorisierten Truppen. Deut. Militärarzt, 1940, **5**: 278–81. Also Med. Klin., Berl., 1940, **36**: 1375 (Abstr.)—**Marambio, R.** Artilleria y motorización; anotaciones a proposito de España. Rev. mil., B. Air., 1938, **38**: pt 2, 105; 325.—**Van Auken, H. A.** Motor convoys. In: Prev. Med. In World War II, Wash., 1948, 4: pt 2, 116.—**Watson, J.** Motorizing the Medical Corps. Pop. Sc. Month., 1939, **139**: 108–13.—**Weisman, L. G.** The use of motors in the veterinary service. Vet. Bull., Carlisle, 1935, **29**: 277–8.

MOTORIZED warfare.

See also **Mechanization; Mobile warfare; Motorization.**

—— Medical service.

Lartigue, H. *Le fonctionnement d'une groupe sanitaire divisionnaire motorisé. 45p. 24cm. Par., 1941.

Manganaro, C. Organizzazione e funzionamento del servizio chirurgico presso le divisioni motorizzate. p. 125–80. 24cm. Craiova, 1937.

Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **1**:

Bouissou. Service de santé et motorisation. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 217–38.—**Gedanken** über die Organisation des Sanitätsdienstes bei einer motorisierten Division. Med. Welt, 1936, **10**: 462.—**Gergovich, W.** [Effect of the tactical factor on the organization and utilization of the health service in the motorized division] Lek. wojsk., 1938, **32**: 129–45.—**Iliescu, C. P.** Le service de santé dans la guerre de mouvement conduite par des unités motorisées. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 79–98. Also Rev. san. mil., Bucur., 1934, **33**: 435–46. ——— **& Gilorteanu, I.** Organisation et fonctionnement du service chirurgical des troupes motorisées. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **1**: 181–224.—**Jüngling.** Die ärztliche Betreuung motorisierter Einheiten auf dem Marsche. Deut. Militärarzt, 1939, **4**: 134–6.—**Lobo, A.** Serviço de saúde e moto-mecanização dos exercitos. Rev. med. mil., Rio, 1940, **29**: 180–94.—**Manganaro, C.** Il servizio sanitario in guerra presso le divisioni motorizzate. Gior. med. mil., 1936, **84**: 99–106. ——— Organizzazione e funzionamento del servizio chirurgico presso le divisioni motorizzate. Ibid., 1938, **86**: 167; passim. ——— **Iliescu, C., & Gilorteanu, I.** Organización y funcionamiento del servicio de cirugía en las tropas motorizadas. Rev. san. nav., Valparaiso, 1937, **7**: 185–8.—**Marques Porto, E.** Motomecanização e serviço saúde. Rev. med. mil., Rio, 1941, **30**: 475–89. Also Rev. med. cir. Brasil, 1942, **50**: No. espec., 166–79.—**Montserrat, S.** Servicio y táctica sanitaria de las unidades motorizadas. Rev. españ. med. cir. guerra, 1943, No. 53, 1; No. 54, 99.—**Pawlowski, B.** [Surgical aid for the motorized units during battles] Lek. wojsk., 1938, **31**: 1–20.—**Schickélé, M. J. A.** Le Service de Santé dans les unités motorisées. Arch. méd. pharm. mil., 1935, **103**: 461–509. ——— L'organisation et le fonctionnement du Service de Santé dans les unités motorisées. Sess. Off. internat. docum. méd. mil., 1937, 7. Sess., 53–79. Also Bull. internat. Serv. santé, Liége, 1938, **11**: 187–210.—**Tactical** study; an effect of motorization on medical tactics. Army M. Bull., 1936, **35**: 47–51.—**Van Olmen, Hume, E. E.** [et al.] Organisation et fonctionnement du service chirurgical dans les troupes motorisées. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **2**: 151–67.—**Visbecq, F. M. H., Spire, C. M. L., & Carayon, M.** Le Service de Santé dans une ou plusieurs divisions de lignes transportées à longue distance par véhicules automobiles. Arch. méd. pharm. mil., 1924, **81**: 505–24.

MOTOR nerve.

See **Nerve.**

MOTOR skill.

See **Motor ability.**

MOTOR system.

See also **Motor ability; Movement; Musculoskeletal system; Nervous system; Paralysis.**

Ellson, D. G., & Gilbarg, D. The application of operational analysis to human motor behavior. 28p. 27cm. Dayton, 1948.

Forms No. MCREXD–694–2J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Gagné, R. M., & Foster, H. A study of transfer in a motor task with varying display-control relationships. 29 l. 28cm. Port Washington, 1948.

Forms No. 316–1–3, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Grether, W. F. Effective target diameter as a factor in determining difficulty of the S. A. M. Two-Hand Coordination Test. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 304, U. S. Air Force School Aviat. M.

—— Effective contact width as a factor in determining difficulty of the S. A. M. Complex Coordination Test. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 305, U. S. Air Force School Aviat. M.

Weitz, J. The S. A. M. model of the hand pressure modification of the S. A. M. Complex Coordination Test (CE104B) 7 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 263, U. S. Air Force School Aviat. M.

Brown, J. S., & Jenkins, W. O. Studies of movement reactions. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 19, 42–51.—**Melton, A. W.** Standard classification tests; the arm-hand steadiness test (CM103A), the steadiness under pressure test (CE206B), the SAM steadiness aiming test (CM103E), and the aiming stress test (CE211A) Ibid., No. 4, 501–57, illust. ——— Standard classification tests; the pedestal sight manipulation test (CM824A) and the SAM pedestal sight manipulation test (CM824B) Ibid., 558–607, illust. diag. ——— Experimental apparatus tests; coordination tests involving bodily displacement. Ibid., 676–702, illust., diagr. ——— Experimental apparatus tests; manipulation and motility tests. Ibid., 757–805, illust. ——— Experimental psychomotor batteries at Psychological Research Unit No. 2, San Antonio Aviation Cadet Center. Ibid., 1039–41.—**Standardization** of two tests of hand-eye coordination; a two-hand complex tapping test and a rotary pursuit test. Summaries Res. U. S. Nav. M.. Res. Inst., 1945, July–Dec., 17.—**Zimkin, N. V.** [Motor reactions of the hand and foot] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 273–83.

MOTOR transport.

See **Ambulance,** motor and jeep; **Ambulance service, motor; Transport.**

MOTOR vehicle.

See **Vehicle**; also **Mechanization; Motorization**; also such terms as **Blackout,** Lighting.

MOULAGE.

See also under **Face; Illustration; Museum.**

Mizuno, M. Rō-mokei seisaku hō [Methods of making wax models] Gun idan zassi, 1928, 669–76.—**Romadina, A. P., & Bekker, S. M.** [Papier maché casts] Voen. san. delo, 1942, No. 11, 70.—**Shufeldt, R. W.** The wax-modeling department of the Army Medical Museum of the Surgeon-General's Office, and the application of the art to general medicine. Med. Rec., N. Y., 1918, **94**: 663–8.—**Wallis, J. F.** The moulage as a record employed at the Army Medical Museum. J. Am. M. Ass., 1919, **73**: 1499–501.—**War** wound moulages. Bull. U. S. Army M. Dep., 1945, No. 85, 46.

MOUNTAIN.

See also **Altitude; Mountain sickness; Mountain warfare.**

Germany. Conference of the medical consultants to the Wehrmacht concerning problems of mountain physiology [1942] [Report] p.239–55. 33½cm. n. p., 1948.
In: Conf. Med. Consult. to Wehrmacht (1942) 1948, 2. Conf.

Anšelievič, R. Gory. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 143–50.—**Atencio, J. E.** Para que subir tan arriba? algunas consideraciones sobre el valor militar de las ascensiones en montaña. Rev. mil., La Paz, 1946, 350–62.—**Benzinger, T.** High altitude acclimatization. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 81.—**Durig, A.** Los efectos de los climas de altura. Rev. san. mil., Madr., 1935, **25**: 378–83.—**Henschke, U., & Frank, A.** Altitude adaptation. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 45.—**Huerta, E.** Ascensión al cerro Santa María, 5.100 metros. Rev. mil., B. Air., 1941, **41**: pt 2, 419–30.—**Lang.** Problems of the metabolism in the high mountains. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8,250.—**Luft.** Natural adaptation to high altitudes. Ibid., 245.—**Mazza, M. A.** Aptitud para la montaña. Rev. mil., B. Air., 1944, **44**: pt 2, 609–12.—**Opitz, E.** Atemsteigerung im Sauerstoff mangel nach Höhenanpassung. Bull. War M., Lond., 1942–43, **3**: 44 (Abstr.) ——— Exchange of gases at high altitudes. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 246.—**Physiological** adaptations of permanent dwellers at high altitudes. U. S. Nav. M. Bull., 1942, **40**: 1000.—**Strughold, H.** Das animale Nervensystem in grossen Höhen. Deut. Militärarzt, 1937, **2**: 71–8.

MOUNTAIN sickness.

See also **Altitude,** Tolerance; **Anoxia.**

Bulacio Nuñez, A. Mal de montaña, puna descendente. Rev. san. mil., B. Air., 1936, **35**: 1084–92.—**Damiani, F.** Sindrome cardiaca dell'altipiano abissino. Gior. med. mil., 1936, **84**: 1177–89.—**Droguett D., S.** Enfermedad de las alturas; resumen do los conocimientos actuales. Rev. mil. Perú, 1943, **40**: pt 3, 189–202.—**Kalmanson, G. M.** The role of allergy in altitude sickness. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 34. ——— & **Garrard, W. D.** Role of allergy in altitude sickness. Ibid., Apr., 41.—**Sugada, K.** Kōkū-byō no ni syōrei [Two cases of high-altitude disease] Gun idan zassi, 1940, 295–8.

MOUNTAIN troops.

See also **Mountain warfare.**

Anšelievič, R. Gornye vojska. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 125–9.—**Balke.** Suitability for mountaineering. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 243–5.—**Cremer.** Die Leistungsfähigkeit des Gebirgssoldaten. Ber. Arbeitstag. Ost, 1942, **2**: 196. Also Klin. Wschr., 1943, **22**: 244. Also English transl., Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 255.—**Farrell, E. J.** Instrucción de las tropas en montaña; consideraciones generales sobre la preparación del hombre como montañés. Rev. san. mil., B. Air., 1940, **39**: 160–6.—**Mazza, M. A.** Algunas experiencias sobre la adaptación del soldado a la montaña. Día méd., B. Air., 1941, **13**: 162–7.—**Peron, J.** Tropas de montaña. Rev. mil., B. Air., 1942, **42**: pt 2, 1189–93.—**Prat, J. E. J. S.** Incorporation et examen médical dans les troupes alpines. Arch. méd. pharm. mil., 1933, **99**: 211–8.—**Uhlmann, E.** Die Ausbildung des Gebirgssoldaten. Vjschr. schweiz. Sanitätsoff., 1947, **24**: Spec. No., 69–76.

MOUNTAIN warfare.

See also **Air evacuation**—by countries; **Ambulance,** sleigh.

—— Medical service.

Bassi, G. Principi di organizzazione e di funzionamento del servizio sanitario nella guerra di montagna. p. 9–70. 23cm. Brux., 1935.
In: Rapp. Congr. internat. méd. mil., 1935, 8. Congr., 1:

Germany. Oberkommando des Heeres. Gebirgssanitätsvorschrift. 59p. 28½cm. n. p., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 208/13: Packordnung der Gebirgstruppensanitätsausrüstung, Satz i, Anl. S 2319. 30p. 21cm. Berl., 1942.

—— H. Dv. 208/14: Packordnung der Gebirgs-Sanitätskompanie. 85p. 21cm. Berl., 1939.

—— H. Dv. 208/14: Packordnung der Gebirgs-Sanitätskompanie. 98p. 21cm. Berl., 1941.

Schickelé, M. J. A. Le Service de Santé dans la guerre de montagne. p. 597–692. 24cm. Par., 1934.
Arch. méd. pharm. mil., 1934, **100**:

Arteaga Pastor, F. Algunas observaciones sobre evacuación de bajas en montaña. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 483–92.—**Artemiev, A.** [Sanitary service in the mountain districts] Voen. san. delo, 1936, No. 8, 24–6.—**Bingler, K.** Ueber Gebirgssanitätsdienst. Veröff. Heer. San., 1938, H. 105, 84–111. ——— Die Gebirgssanitätsabteilung 41 bei den Wehrmachtsskimeisterschaften in Kitzbühel 1939. Deut. Militärarzt, 1939, **4**: 504–7.—**Cataldi, L.** Observaciones personales de orden sanitarias, obtenidas en los últimos ejercicios finales del destacamento de montaña norte. Rev. san. mil., B. Air., 1934, **33**: 252–8.—**Cheyrou-Lagreze.** L'aviation sanitaire et le service de santé dans la guerre de montagne. Tunis. méd., 1937, **31**: 231–44, illust.—**Costea** [Organization and function of sanitary service of mountain troops] Rev. san. mil., Bucur., 1934, **33**: 221–34.—**Dubs, J.** Die Eigenart des Gebirgs-Sanitätsdienstes. Med. Welt, 1935, **9**: 1507–12.—**Evacuation** (The) of casualties in mountain warfare. Milit. Rep., Wash., 1944, No. 15, 42–4.—**Girod, Picquemal & Millo.** Rôle du médecin dans l'entrainement des troupes de montagne. Arch. méd. pharm. mil., 1933, **99**: 169–209.—**Gloor, W.** Die Organisa-

tion des rückwärtigen Sanitätsdienstes im Gebirge. Vjschr. schweiz. Sanitätsoff., 1947, 24: Spec. No., 90–4.—**Hautmann F.** Aerztliche Erfahrungen im Hochgebirgsminenkampf. Med. Klin., Berl., 1918, 14: 775. Also Wien. Klin. Wschr., 1918, 31: 741.—**Hulûsi Ozverim** [Army hygiene of the Alpine Corps] Askerî sıhhiye mecmuası, 1938, 67: 92–104.—**Johnston, R., & Mawe, J. F.** Field ambulance sections in a mountain operation. J. R. Army M. Corps, 1948, 90: 1–5.—**Malgat.** Brancard de montagne; brancard-brouette. Bull. Soc. méd. mil. fr., 1907, 1: 359–62.—**Marinesco, N.** Principes d'organisation et de fonctionnement du Service de santé des troupes de montagne. Rapp. Congr. internat. méd. mil., 1935, 8. Congr., 1: 71–118.—**Mazza, M. A.** Servicio sanitario regimentario en montaña; consideraciones breves. Rev. san. mil., B. Air., 1939, 38: 282–4.—**Medical** support in mountain warfare. Bull. U. S. Army M. Dep., 1944, No. 77, 5–7.—**Mountain** medical service. Spec. Ser. U. S. Mil. Intell. Serv., 1944, No. 21, 57–9.—**Nahid Tunaşar** [Principles in the health service in mountain warfare] Askerî sıhhiye mecmuası, 1939, 68: 75–81.—**Nisimura, T., & Sakakibara, S.** Santi-sen ni okeru eisei-tai no syuzyutu-teki syoti [... surgical operations in mountain warfare] Gun idan zassi, 1938, 1159–66.—**Opizzi, J.** El servicio sanitario de campaña en las tropas de montaña: su influencia en las actividades normales; marchas y descansos. Rev. san. mil., B. Air., 1941, 40: 418–25.—**Picquemal, G. M., & Millo, M. C. R.** Le rôle du médecin dans l'entraînement des troupes de montagne. Arch. méd. pharm. mil., 1933, 99: 169–209.—**Radbil L., A.** Medical service in mountain warfare. Mil. Surgeon, 1943, 92: 264–7.—**Reisner, Schickelé** [et al.] Principes d'organisation et de fonctionnement du Service de santé dans la guerre de montagne. Rapp. Congr. internat. méd. mil., 1935, 8. Congr., 2: 41–57.—**Reynolds, W. M.** Preventive medicine in winter and mountain warfare. Mil. Rev., Fort Leavenw., 1944, 24: No. 8, 69–73.—**Rynckі, P.** Quelques réflexions à propos du Service de santé en montagne. Vjschr. schweiz. Sanitätsoff., 1947, 24: Spec. No. 76–84.—**Schaefer, W.** Der Gebirgsdienst. In: Wehrhygiene (Handloser, S.) Berl., 1944, 398–404.—**Schmidt, J.** Der Verwundeten-Rückschub im Gebirge. Vjschr. schweiz. Sanitätsoff., 1947, 24: Spec. No., 84–9.—**Spengler, H.** Gebirgssanitätsmaterial und dessen Nachschub. Ihid., 139–44.—**Stahel, R.** Die Notwendigkeit einer besonderen sanitätsdienstlichen Hochgebirgsaushildung. Ibid., 1940, 17: 80–7.—**Süreyya Endlik** [Effect of means of evacuation on the sanitary service in mountain warfare] Askerî sıhhiye mecmuası, 1940, 69: 112–20.—**Thomann.** Organisation and tactical use of mountain sanitary companies. Arch. méd. helges, 1932, 85: 247–55.—**Timofeevsky, P.** Gornyj sanitarnyj transport. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 129–39.—**Voûte & Moeschlin.** Die Technik des Verwundetentransportes im Hochgebirge. Vjschr. schweiz. Sanitätsoff., 1938, 15: 40–55, illust.

MOUNT Austen.

See under **World War II, Guadalcanal.**

MOUSE.

See under **Rodent.**

MOUTH.

See also **Gingiva; Gingivitis; Jaw, Injury; Mandibula, Injury; Maxilla, Injury; Molar; Surgical technic, Mouth; Tooth;** also such terms as **Dental care; Dental health; Dental service; Dentistry; Denture,** etc.; also **Stomatology.**

Appleton, J. L. T. The study of oral microorganisms. Q. Project Summary Off. Nav. Res., 1948, July, 429. Also Q. Project Summary Dent. Sect. Off. Nav. Res., 1949, July, 7.—**Geikin, M.** Rotovaja polost (cavum oris) In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1172–6.—**Peruzzi, M.** Sulle relazioni tra spirocheti e hacterioidi. Ann. med. nav., Roma, 1928, 34: pt 1, 129–41, pl.—**Reitani, U.** Spore di anaerobi nella cavità buccale di soldati. Gior. med. mil., 1929, 77: 279–83.—**Salyer, J. M.** A survey of oral temperatures on hospital personnel in Northern Burma. Field M. Bull. U. S. Army, N. Delhi, 1944, 3: 120–3.

—— Disease.

Aguilar C., C. Los padecimientos bucodentarios en el Ejército. Mem. Convenc. méd. mil. mex., 1936, 178–83.—**Baker, W. J.** Neoropathic ulcers of the mouth. Med. Bull. Veterans Admin., 1936–37, 13: 349.—**Bernier, J. L.** Survey of pathologic specimens from the oral regions seen at the Army Institute of Pathology during World War II. Mil. Surgeon, 1947, 101: 362–75.—**Bouquet, S.** Leucoplasia bucal. Rev. pub. nav., B. Air., 1948, 1: 583–93.—**Chavoor, A. G.** Psychosomatic factors in oral disease. Bull. U. S. Army M. Dep., 1949, 9: 987–92.—**Cook, T. J.** Soft tissue lesions of the mouth. Ihid., 1948, 8: 944–9.—**Debenedetti.** Une application heureuse de la sérothérapie antigangréneuse dans un cas de noma. Bull. Soc. méd. mil. fr., 1927, 21: 105–8.—**Dierdorff, H. B.** Oral pain as a factor in diagnosis. Mil. Surg., 1939, 85: 216–23.—**Dreneau.** A propos d'un cas d'ectodermose érosive pluriorificielle de Fiessinger, Wolf et Thévenard. Bull. Soc. méd. mil. fr., 1935, 29: 287–90.—**Entin, D. A.** [Neuro-trophic factor in the pathology of organs of the oral cavity] Tr. Acad. mil. méd. Kiroff, 1934, 1: 435–8.—**Foley, W. T.** Hemorrhagic vesicles and hullae of the mucous membranes of U. S. and British war prisoners in Japan, suhsisting on a deficient diet. N. York State J. M., 1946, 46: 2300–2.—**Kelly, E. K.** Imbalanced carbohydrate metaholism as a predisposing factor in oral diseases. Mil. Surgeon, 1941, 89: 188–96.—**Kohn, K.** Gangrenous stomatitis. Ibid., 1947, 101: 218.—**Koo, P. T., & Huang, M. S.** Nutritional stomato-glossitis among the war refugees in Shanghai. Bull. War M., Lond., 1941–42, 2: 240 (Abstr.)—**Kruttke, H. G.** Untersuchungen über das Vitamin C-Defizit hei Stomatitis, Gingivitis und Paradentose in der Kriegsmarine. Deut. Militärarzt, 1939, 4: 300–6.—**Leonhardt, H.** Munderkrankungen als Ursache von pathologischen Zuständen der tieferen Verdauungswege. Ibid., 1943, 8: 476–9.—**McCay, C. M.** Dietary and other factors concerned in mouth and tooth deterioration. Q. Project Summary Dent. Sect. Off. Nav. Res., 1949, July, 1.—**McFall, T. A.** Extraoral fistula; a case report. Bull. U. S. Army M. Dep., 1947, 7: 1057–9.—**Murphey, P. J.** Lesions of the mouth and face of special interest to the dental officer U. S. Nav. M. Bull., 1944, 42: 902–8.—**Musgrave, W. A.** Calcium and phosphorus in relation to oral pathology. Mil. Surgeon, 1941, 88: 169–78.—**Oral** pathological conditions. Statist. Navy M., 1948, 4: No. 5, 6.—**Prieto, R. E.** Contribución al estudio de las neoplasias malignas de la cavidad bucal. Rev. san. mil., Hahana, 1942, 6: 278–80.—**Quadros, M. de.** Ulcus de hoca anastomótica; nota clínica quirúrgica. Med. & cir. guerra, 1949, 11: 533.—**Thélème, M. J.** Sulfamides et affections hucco-dentaires. Caducée, Port au Prince, 1947, No. 31, 13; passim.—**Weisberger, D.** Changes in the glycogen metabolism of the oral mucous membrane associated with pre-cancerous lesions. Q. Project Summary Off. Nav. Res., 1948, July, 428; 1949, July, 4.—**Willinger, F., & Nusret, S.** [Dangers in inflammations of the mouth] Askerî sıhhiye mecmuası, 1932, 61: 175–7.—**Woods, S. H.** Notes on a case of gangrenous stomatitis in a soldier. J. R. Army M. Corps, 1938, 70: 47.—**Zobu, N.** [Infection of a dog with noma (from a child)] Askerî vet. mecmuasi, 1939, 17: 95–102.

—— Infection.

See also **Vincent infection.**

Bucică, I. [Treatment of thrush in horses] Rev. san. mil., Bucur., 1929, 28: 177–87.—**Cavazzani, F.** Contributo alla conoscenza della micosi del cavo orale; glossite da Criptococcus uvae. Gior. med. mil., 1943, 91: 279–85.—**Clagett, A. H., jr.** The relation of oral infections to the circulatory system. Mil. Surgeon, 1941, 88: 662–8.—**Fernández, A.** El complejo estreptocóccico en la patología hucal. Rev. san. mil., Habana, 1944, 8: 181–94.—**Gins, H. A.** Die Spirillose der menschlichen Mundhöhle. Bull. War M., Lond., 1942–43, 3: 560 (Ahstr.)—**Hillier, C. R.** Oral infection in mental patients. U. S. Veterans Bur. M. Bull., 1928, 4: 547.—**Holland, W. C.** Oral focal infection. Ihid., 1929, 5: 48.—**Lanier, W. D.** The use of sulfanilamide in dentistry. Med. Bull. Veterans Admin., 1940–41, 17: 57–60. ——— Sulfanilamide in oral infections. Ihid., 1938–39, 15: 65–8.—**Mead, S. V.** Streptococcic stomatitis. Mil. Surgeon, 1932, 70: 238–43.—**Monilial** stomatitis and monilial vulvovaginitis. Month. Health Rep. Mil. Distr. Washington, 1948, 1: No. 4, 11.—**Mordković, M. L.** Erozivnyj kontagioznyj epidemićeskij stomatit. Voen. san. delo, 1940, No. 8, 69–72.—**Pässler.** Die chronischen Infektionen im Bereiche der Mundhöhle (Tonsillen, Zähne, Nebenhöhlen) und der Krieg, insbesondere ihre Bedeutung für die Wehrfähigkeit und für die Beurteilung von Rentenansprüchen. Berl. klin. Wschr., 1915, 52: 778. Also Ther. Gegenwart, 1915, 56: 361; 419.—**Pigott, P. J.** A case of intermittent fever with septic focus in the mouth. J. R. Army M. Corps, 1939, 72: 338–40.—**Pinheiro Monteiro.** A infecção focal e o hócio. Rev. med. mil., Rio, 1940, 29: 291–303.—**Schantz, C. W.** Elimination of oral sepsis. U. S. Nav. M. Bull., 1940, 38: 246–9.—**Smith, H. R.** Oral focal infection and its relation to systemic disease. U. S. Veterans Bur. M. Bull., 1925, 1: No. 4, 43–8, 3 pl.

—— Injury.

See as main heading.

—— Photography.

Schlack, C. A. A modification of an oral photographic apparatus originally constructed by the Dental School, University of Pennsylvania. 17p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. X–767, U. S. Nav. M. Res. Inst.

Also in U. S. Nav. M. Bull., 1948, 48: 312–8.

Taylor, B. L., & Schlack, C. A. Oral color photography as a means of personnel identification and registration of oral lesions and deformities. 17p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 012 004 (or, X–767) U. S. Nav. M. Res. Inst.

Also Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 15.

MOUTH floor.

Alexander, A. D. Ludwig's angina treated with penicillin. U. S. Nav. M. Bull., 1945, **45**: 965.—**Gandullo, L.** Seis casos de flemón séptico del suelo de la boca. Rev. san. mil., Madr., 1924, 3. ser., 494; 524; 561.—**O'Grady, G. L.** Dermoid cyst in floor of mouth. Med. Bull. Europ. Command, 1949, **6**: No. 2, 2.—**Richter, G. A.** Restoration of the mobility of the tongue in grave injuries of the mouth floor] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 271–4.—**Sublingual** dermoid cyst. Bull. U. S. Army M. Dep., 1947, **7**: 480.

MOUTH hygiene.

See also **Dental care; Dental hygienist.**

Archer, G. J. S. Mouth hygiene in the Army. Lancet, Lond., 1916, **2**: 250.—**Cheely, W. C.** The importance of education of patients in oral hygiene. U. S. Veterans Bur. M. Bull., 1925, **1**: No. 3, 69–72.—**Chesnutt, O. L.** Federal aid in mouth hygiene instruction in schools of U. S. A. J. Ass. Mil. Dent. Surg. U. S., 1919, **3**: 122–5.—**Cowey, D.** The achievement and maintenance of dental health and its importance to an army officer. Dent. J. Australia, 1938, **10**: 766–8.—**Duarte Mota, A.** Considerações acêrca da higiene da bôca. Bol. Dir. serv. saúde mil., 1940, **3**: 57–70.—**Fletcher, E. E.** Specimen lecture on oral hygiene. J. R. Nav. M. Serv., 1931, **17**: 90–4.—**Hakki Onen** [Daily care of the mouth] Askerî sihhiye mecmuasi, 1939, **68**: No. 27, 99–107.—**Harper, N. A.** Oral hygiene; a factor in troop health. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 2, 49.—**Head, J.** Prevention of mouth infection. U. S. Nav. M. Bull., 1914, **8**: 411–21, 6 pl.—**Howell, E. B.** Oral prophylaxis. Ibid., 1935, **33**: 370–2.—**Khosla, S. C.** Observations on the oral condition of Indian soldiers. Brit. Dent. J., 1946, **80**: 339.—**Kramer, L. R.** War and postwar implications of the nation-wide physical fitness dental health program. Mil. Surgeon, 1945, **96**: 413.—**Leonard, H. J.** Oral hygiene. U. S. Nav. M. Bull., 1918, Suppl. No. 6, 32–6.—**Lowe, G. L.** Suggestions for dental education. Air Surgeon Bull., 1944, **1**: No. 8, 21.—**Lynes, C. T.** The need of dental prophylaxis. U. S. Nav. M. Bull., 1918, Suppl. No. 7, 52–4.—**Machicote, A. J.** La higiene bucal del soldado. Rev. san. mil., B. Air., 1940, **39**: 745–7.—**Maxwell, M. M.** Oral hygiene. U. S. Nav. M. Bull., 1942, **40**: 828–34, 2 pl.—**Oral** hygiene. Bull. Army M. Dir., Lond., 1941, No. 4, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 24.—**Parran, T.** The Surgeon General views dental health. Dent. Health, Wash., 1945, **5**: No. 3, 8.—**Potter, W. H.** Oral hygiene. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 917–20.—**Tignor, E. P.** The educational value of oral hygiene in the Army. Tr. Panama Pacific Dent. Congr., 1915, **1**: 265–8.—**Wheeler, P. B.** Oral hygiene in dental health. Hosp. Corps Q., 1946, **19**: No. 7, 15.

MOUTH injury.

See also **Face; Jaw; Lip; Mandibula; Maxilla.**

Frolov, V. I. Slučaj vystrela v rot iz berdanki. Voen. med. J., S. Peterb., 1913, **237**: Med. spec. pt, 561.—**Pound, E.** Oral prosthesis in the repair of war injuries. Am. J. Orthodont., 1946, **32**: Oral Surg., 435–9.—**Reay, R. H.** Later history of a shrapnel wound. Brit. Dent. J., 1935, **58**: 165.

MOUTH prop.

Freid, M. G. Adjustable acrylic mouth prop. Bull. U. S. Army M. Dep., 1944, No. 83, 77–9.

MOVEMENT.

See also **Motor system; Musculoskeletal system.** For troop movement see **Convoy; Motorization; Motorized warfare; Transport; Troop movement.**

Autokinetic movement. Air Surgeon Bull., 1944, **1**: No. 5, 18.—**Gibson, M. M.** Limitation of motion. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 5, 2–7.—**Snow, W. B., & Kraus, H.** Novocaine iontophoresis for painful limitation of motion. Mil. Surgeon, 1944, **95**: 360–2.—**Wright, H. P., & Milnes, S. H.** A simple method of measuring and recording movements in joints. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 8, 33–40.

MUCOSAL syndrome.

See also **Dermatosis.**

Barba, W. P., II, & Tyson, A. M. Stevens-Johnson disease; report of a case. U. S. Armed Forces M. J., 1950, **1**: 39–45.—**Reed, J. Y.** Stevens-Johnson's disease in edentulous mouth; report of case. Bull. U. S. Army M. Dep., 1946, **5**: 111–3.—**Wright, R. D.** Stevens-Johnson syndrome, with case report. Mil. Surgeon, 1949, **105**: 294–9.

MULE

See also **Animal; Horse; Insemination, artificial; Transportation.**

Barlow, K. I. Dropping of mules by parachute from Dakota aircraft. J. R. Army Vet. Corps, 1945–46, **17**: 93–8.—**Griffiths, R. B.** A case of bilateral ocular filariasis in the mule. Ibid., 1944–45, **16**: 151.—**Levitt, T.** Mule transport by forward surgical units. Ibid., 1945, **85**: 175–7.—**Wright, T. L.** The acquisition of mules in South America and their transportation to India. Vet. J., Lond., 1942, **98**: 191; 218; pl.

MUMPS.

See **Parotitis;** also under **Measles.**

MUNDA.

See under **World War II.**

MUNITIONS plant.

HAMILTON, A. Industrial poisons used or produced in the manufacture of explosives. 141p. 8° Wash., 1917.

Brandt, A. D. Shell case manufacture. In: Man. Indust. Hyg. (U. S. Pub. Health Serv.) Phila., 1943, 251. ——— Tracer bullet charging. Ibid., 260.—**Exposure** to gases in munitions plant. J. Am. M. Ass., 1943, **122**: 409.—**Howard, R. R.** Health hazards to war workers. J. Am. Insur., 1942, **19**: No. 7, 11–4.—**Kay, K.** Occupational hazards in the munitions industry. Occup. Hazards, 1942–43, **5**: No. 10, 14; 40.—**Kettles, J. S.** Skin hazards in shell filling operations. McGill M. J., 1941–42, **11**: No. 6, 64–70.—**McConnell, W. J.** Excerpts of a paper on recent data on health hazards in war industries. Indust. Hyg. Digest, 1943, **7**: No. 11, 8. ——— Recent data on health hazards in war industries. Illinois M. J., 1944, **86**: 170–2.—**McGee, L. C.** Some occupational disease hazards in munitions manufacture. Tr. Nat. Safety Counc., 1942, 31. Congr., 1: 167–72.—**Seifert, H. E., Cralley, L. J., & Clayton, G. D.** Industrial health hazards and their control in a bomb loading plant. Indust. M., 1945, **14**: 75–80.—**Wilander, O.** Förgiftningsrisken vid sprängämnes- och ammunitionstillverkningen; resultat av undersökning verkställd vid nitroglycerin A.-B., Gyttorp. Nord. hyg. tskr., 1944, **25**: 23–34.

—— Sanitation.

Brandt, A. D. Application of engineering control measures in munitions plants. Proc. Indust. Hyg. Found. America, 1943, 8. meet., 102–6. ——— Abstract of paper on application of engineering control measures in munitions plants. Indust. Hyg. Digest, 1943, **7**: No. 11, 34.—**Fischer.** Die feuer- und explosionssichere Anlage und Einrichtung der Sprengstoffabriken. Zbl. Gewerbehyg., 1918, **6**: 139; 149; 180.—**Gaetjens, A. K.** Lighting maintenance in war industry plants. Illum. Engin., Balt., 1942, **37**: 489.—**Holden, F. R., & Hemeon, W. C. L.** Findings from foundation surveys of war plants. Indust. Hyg. Digest, 1944, **8**: No. 11, 23–5. Also Proc. Indust. Hyg. Found. America (1944) 1945, 9. meet., pt 4, 32–9.—**Hours** of work in munitions factories. Brit. M. J., 1940, **2**: 19.—**Kagen, L. A., & Schall, E. L.** Environmental conditions in plants molding lead plastic bullets. Pub. Health News, Trenton, 1946–47, **28**: 13–25.—**López Picazos, A.** Sanidad de las industrias de guerra. Defensa, Méx., 1943, **3**: No. 22, 56–9.—**Lyle, J. I.** Effect of air conditioning upon munitions manufacture. J. Am. Soc. Heat. Ventil. Engin., 1917–18, **24**: 45–54.

MUNITION worker.

See also **Industrial worker.**

FYFE, T. A. Employers and workmen; a handbook explanatory of their duties and responsibilities under the Munitions of War acts 1915 and 1916, with appendices and a copious index. 2. ed. 269p. 8° Lond., 1917.

Carozzi, L. Le facteur humain dans l'industrie de guerre; l'expérience de 1914–18 a-t-elle été profitable? Praxis, Bern, 1944, **33**: 124–9.—**General** Advisory Committee on Protection of Young Workers. Child, Wash., 1941–42, **6**: 293.—**Hyde, R. R.** The munition worker. Nurs. Times, Lond., 1940, **36**: 426–8.—**Trélat, M.** Un séjour à une usine de munitions; étude d'hygiène sociale. Rev. hyg., Par., 1919, **41**: 905–15.—**Young** war workers and overstrain. Med. Off., Lond., 1942, **67**: 11.

—— Absenteeism.

Absenteeism in Canadian war industries. Month. Labor Rev., 1943, **56**: 683–6.—**Evans, D.** Problem of absenteeism in relation to war production. Ibid., 1–9. Also Congress. Rec., 1943, **89**: A1118.—**Flinn, R. H.** Absenteeism versus Ordnance production; the physician's role. Indust. M., 1945, **14**: 12–5.—**Kafka, M. M.** Absenteeism in war industries; causes and corrections. Med. Rec., N. Y., 1945, **158**: 89–91.—**Lynch, D. L.** Industrial health and the war; statistical analysis of the medical causes of absenteeism. Indust. M., 1943, **12**: 236–46.—**Massey, A., & Pearson, R. C. M.** Sick absence among munition workers. Brit. M. J., 1942, **2**: 694.

—— Disease.

FONVIEILLE, M. E. J. *Sur les troubles observés à la Poudrerie nationale de Saint-Médard chez les ouvriers affectés à la fabrication des poudres S D. 35p. 25cm. Bord., 1935.

Armstrong, C. D. War worker's breakdown; the influence of defense industries on the morbidity in certain diseases. Stanford M. Bull., 1942–43, **1**: 214–20.—**Bartley, E. O.** Incidence of pathogenic staphylococci in a group of Northern Ireland munition workers. Ulster M. J., 1941, **10**: 142–5.—**Bigelow, M. A.** Social hygiene and youth in defense communities. J. Social Hyg., 1942, **28**: 437–47.—**Eddy, J. H.,** jr, & **Tomb, A. S.** Some occupational diseases of a shell loading plant. Tristate M. J., 1941–42, **14**: 2751–2.—**Health** of war workers in Great Britain. Month. Labor Rev., 1941, **52**: 924–7.—**Karaffa-Korbut, K.** [Diseases of workers in munition plants] Lek. wojsk., 1928, **11**: 236–44.—**Ledergerber, E.** Einiges zu den Todesfällen und über die zum Tode führenden Erkrankungen der Arbeiter der Zündkapselfabrikation. Schweiz. med. Wschr., 1949, **79**: 263–7.—**Merian, L.** Ueber Haarveränderung bei Munitions- und Kupferarbeitern. Korbl. Schweiz. Aerzte, 1916, **46**: 303–6.—**Oppenheim.** Ueber die Hautschädigungen der Munitionsarbeiter. Wien. klin. Wschr., 1917, **30**: 544.—**Spolyar, L. W.,** & **Ferree, J. W.** Some occupational diseases associated with the war production program. J. Indiana M. Ass., 1942, **35**: 402–6.—**Thibierge, G.** Pigmentation des régions découvertes chez des ouvriers tourneurs d'obus. Ann. derm. syph., Par., 1918–19, 5. ser., **7**: 170–3. ——— Le bouton d'huile des tourneurs d'obus au point de vue clinique et médico-légal. Bull. Acad. méd., Par., 1918, 3. ser., **79**: 208–11.—**Trémolières, F., Goiffon, R.,** & **Robert, P. E.** Etude clinique des troubles observés dans les usines de mélinite. Presse méd., 1940, **48**: 604–6.—**Waterman, J. L., Litzenberger, S. W.,** & **Schiff, M.** Condition resembling hematuria in munition workers; a case report. U. S. Nav. M. Bull., 1944, **42**: 247–50.

—— female.

OSBORNE, E. E. The output of women workers in relation to hours of work in shell-making. 23p. 8° Lond., 1919.

Forms No. 2, Rep. Indust. Fatigue Res. Bd, Lond.

UNITED STATES. WOMEN'S BUREAU. Special bulletin No. 2: Lifting heavy weights in defense industries. 11p. 23cm. Wash., 1941.

Anderson, M. Some health aspects of putting women to work in war industries. Proc. Indust. Hyg. Found. America, 1942, 7. meet., 165–9.—**Bonnaire, E.** Le travail dans les fabriques de munitions dans ses rapports avec la grossesse et l'accouchement. Presse méd., 1916, **24**: Annexes, 577–82. ——— Le travail féminin dans les fabriques de munitions dans ses rapports avec la puerpéralité. Rev. philanthrop., Par., 1917, **38**: 10–23. ——— La natalité chez les ouvrières des usines de guerre. Presse méd., 1918, **26**: Annexe, 39.—**Boynton, A. S.** Training women for war industries. Connecticut M. J., 1942, **6**: 752–4.—**Doléris.** Sur la proposition de vœux relatifs à la protection maternelle et infantile dans les usines de guerre. Bull. Acad. méd., Par., 1916, 3. ser., **76**: 116; passim.—**Health** (The) of women war workers [Gr. Britain] J. Am. M. Ass., 1943, **121**: 880.—**Kosmak, G. W.** Women in war industries. Virginia M. Month., 1943, **70**: 121–3.—**Kronenberg, M. H.** Women and wartime health problems. Indust. M., 1942, **11**: 333–6.—**Matthews,** (Mrs.) **F. J.** Canadian women's work in defense. Tr. Am. Hosp. Ass., 1941, **43**: 356–8 (Abstr.)—**Merewether, E. R. A.** Employment of women in British war industries. Proc. Indust. Hyg. Found. America, 1942, 7. meet., 180–5.—**Mulford, M.** Girls in war plants. Personnel J., 1942–43, **21**: 356–8.—**Older** women for war work. Lancet, Lond., 1943, **2**: 427.—**Schauffler, G. C.** Women in heavy war work; obstetrical and gynecological aspects. West. J. Surg., 1944, **52**: 12–20.—**Standards** for employment of women in Defense Program. Month. Labor Rev., 1940, **51**: 564–7.—**Varney, W. H.** Medical management of complaints of women in the explosives industry. Indust. M., 1944, **13**: 122–4.

—— Health care.

VERNON, H. M. The health and efficiency of munition workers. 138p. 22½cm. Lond., 1940.

Bloomfield, J. J. Industrial hygiene problems in war industries. Indust. M., 1942, **11**: 256–60.—**Brown, A. A.** Community health projects for war workers. Bull. Dep. Health Lincoln, 1943, July 6–8.—**Collis, E. L.** The protection of the health of munition workers, with special reference to the aims and work of the Health of Munition Workers Committee. Chem. News, Lond., 1917, **115**: 141. Also J. State M., Lond., 1917, **25**: 203–13.—**Community** hygiene. Mil. Surgeon, 1942, **91**: 114.—**Deming, D.** S. O. S. from Norfolk, Virginia. Am. J. Nurs., 1943, **43**: 619–23.—**Du Bois, W.** Alcohol and vitamin deficiencies among war workers. Sc. Temperance J., 1943–44, **51**: 113–5.—**Flinn, R. H.** Results of an active health program in munitions industries. Proc. Indust. Hyg. Found. America, 1943, 8. meet., 23–5. Also Indust. Hyg. Digest, 1943, **7**: No. 11, 10.—**Gesundheitsverhältnisse** der Arbeiter in englischen Munitionsfabriken. Deut. med. Wschr., 1917, **43**: 1269.—**Health** (The) of munition workers. Lancet, Lond., 1916, **1**: 785; 1917, **1**: 692.—**Health** of munition workers. Brit. M. J., 1917, **1**: 847; passim. Also Med. Rec., N. Y., 1942, **155**: 357.—**Health** of the war worker. Lancet, Lond., 1942, **1**: 662.—**Health** and welfare of munition workers outside the factory. Month. Rev. U. S. Bur. Labor Stat., 1917, **5**: 291.—**Hennessy, H. R.** Industrial medical program of the Army. Rocky Mountain M. J., 1943, **40**: 730–3.—**McCullough, J. W. S.** Hours of work in relation to efficiency and output of munitions workers. Am. Med., 1917, **23**: 402.—**McGregor, J. C.** Marin City saga. Am. J. Nurs., 1943, **43**: 720–4.—**Osborne, E. E.** Industrial hygiene as applied to munition workers. Med. J. Australia, 1921, **2**: 473–81.—**Sour** (A) observation on the Lanham Act. Am. J. Pub. Health, 1943, **33**: 174.—**Underhill, E.,** jr. Health problems in defense work. Homoeop. Rec., 1942–43, **58**: 308; passim.—**Vernon, H. M.** The health of war workers. Britain today, 1940, Dec., 4–8, pl.

—— Industrial fatigue.

Bueno, Z. Da fadiga do motor humano nas indústrias de guerra. Hora méd., Rio, 1943, No. 70, 33–56.—**Flinn, R. H.** Fatigue and war production. Med. Clin. N. America, 1942, **26**: 1121–43.—**Industrial** fatigue and Australia's war effort. Med. J. Australia, 1941, **2**: 455.—**Murray, H. M. L.** Industrial fatigue and Australia's war effort. Ibid., 525.—**Smith, E., Bevin, E.** [et al.] Industrial fatigue and war production. Lancet, Lond., 1942, **1**: 368.

—— Injury.

Green, W. Injuries in defense plant. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 16, 6422.—**Joltrain, M., Hissard, R.,** & **Boulard, E.** Accidents observés chez des ouvriers d'une cartoucherie. Bull. Acad. méd., Par., 1939, 3. ser., **122**: 692–9.

—— Medical care.

PRINCETON UNIVERSITY. DEPARTMENT OF ECONOMICS AND SOCIAL INSTITUTIONS. INDUSTRIAL RELATIONS SECTION. Industrial relations digests; the Medical Department in war industries. 8p. 25cm. Princeton, 1942.

Bernecker, E. M. Medical care for civilian defense workers who are injured in the performance of their duties. J. Second Distr. Dent. Soc. N. York, 1943, **29**: 320.—**Blum, P.** Un dispensaire d'ouvrières d'usines de guerre; la prophylaxie à l'usine. Rev. hyg., Par., 1919, **41**: 376–85.—**Cruickshank, F. D.** A trip to some of the Detroit war plants. Bull. Acad. M. Toronto, 1943–44, **17**: 169–77.—**Edsall, D. L.** Medical-industrial relations of the war. Johns Hopkins Hosp. Bull., 1918, **29**: 197–205.—**Flinn, R. H.** Recommended medical services for munition plants. Indust. M., 1942, **11**: 438.—**Gehrmann, G. H.** Medicine in wartime industries. Connecticut M. J., 1944, **8**: 3–9.—**Handbook** for physicians on industrial health and medicine in war industries. Science, 1942, **96**: 34.—**Hospital** priority for war workers. J. Am. M. Ass., 1942, **120**: 856.—**Mettinger, R. E.** Federal public housing authority infirmaries. Florida Health Notes, 1943, **35**: 117.—**Ordnance** factory medical services. Brit. M. J., 1942, **1**: 456.—**Probst, E. W.** Industrial medical and hygiene problems of the munitions industry. Indust. M., 1944, **13**: 773–5.—**Robert.** Du rôle et du fonctionnement du Service de santé dans une usine de fabrication de guerre mobilisée. J. méd. Bordeaux, 1934, 111: 711–23.—**Scheresschewsky, J. W.** Methods of prevention and control of disease in war industries. Med. Rec., N. Y., 1918, **93**: 585–7.—**Sieur** & **Marchoux.** Dispensaires pour usines de guerre. Rev. hyg., Par., 1919, **41**: 375.—**Stengel, A.** Aid from the medical profession in the prevention of disease in war industries. Med. Insur., 1917–18, **27**: 413–4. Also Med. Rec., N. Y., 1918, **93**: 587–9. Also N. York M. J., 1918, **107**: 718.—**Watkins, J. A.** The experience of the Medical Department at Nitro, W. Va. Mod. Med., Chic., 1920, **2**: 293; 370; passim.

—— Poisoning.

NORO, L. *Untersuchungen über die Trotyl-, Tetryl- und Knallquecksilbervergiftungen bei den Arbeitern der Munitionsfabriken Finnlands. 95p. 23cm. Helsin., 1941.

Also forms Suppl. 120 of Acta med. scand.

STEVENS, K. *Die Bleivergiftungen der Friedrich-Alfred-Hütte der Firma Friedr. Krupp A. G., 1927–1933 [Münster] 24p. 8° Bochum-Langendreer, 1934.

De Peppe, U. Il saturnismo negli operai addetti alla fabbricazione dei proiettili. Med. lavoro, 1938, **29**: 257; 306; 332.—**Perkins, R. G.** A study of the munitions intoxications in France. Pub. Health Rep., Wash., 1919, **34**: 2335–74.—**Rice, A.** Munition-plant poisons. Am. J. Pub. Health, 1917, **7**: 273–8.—**Thompson, G.** New poisons in war industries. N. York M. J., 1918, **107**: 717.

MURDER.

See also **War criminal.**

Freitas, S. Interpretação psicoanalítica de um duplo homicídio sob o estado de embriaguez alcoólica aguda. Rev. med. mil., Rio, 1947, **36:** 156–68.—**Panning, G.** Ueber den Nachweis der Wirkung von Kriegsfeuerwaffen an den volksdeutschen Mordopfern in Polen. Deut. Militärarzt, 1940, **5:** 89–93.—**Zietz, W.** Ein erschütterndes Dokument; das Protokoll führender europäischer Gerichtsmediziner über den Massenmord im Walde von Katyn. Deut. Aerztebl., 1943, **73:** 138–40.

MURMUR.

See under **Heart sound.**

MUSCARINE.

See under **Poison.**

MUSCIDAE.

See also **Fly; Insect; Mosquito.**

Ainsworth, R. B. The house-fly as a disease carrier. J. R. Army M. Corps, 1909, **12:** 485–98.—**Beware** of the dangerous house fly and exterminate the mosquito. Mil. Surgeon, 1918, **43:** 220–6.—**Smith, F.** House flies and their ways at Benares. J. R. Army M. Corps, 1907, **9:** 150–5.

MUSCLE balance (ocular)

See under **Medical examination,** Eye.

MUSCLE contracture.

Bayr, G. Seltene Muskelkontrakturen an der Hand nach Vergiftung mit Kohlenoxydgas, Phosphor und Bleibenzin. Deut. Militärarzt, 1943, **8:** 623–32.—**Rogover, E.** Dupuytren kontraktura. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 602–4.—**Vielle.** A propos d'un cas de contracture ischémique. Bull. Soc. méd. mil. fr., 1924, **18:** 256–68.

MUSCULOSKELETAL system.

See also **Altitude,** Musculoskeletal system; **Motor system; Movement:** also under parts of musculoskeletal system as **Hand; Leg,** etc.

—— Disease.

See also such terms as **Myasthenia; Myopathy; Myositis; Myotonia.**

Berdjaev, A. F. K voprosu ob angiomakh proizvolnyk myšc. Voen. med. J., S. Peterb., 1911, **231:** Med. spec. pt, 243–51.—**Cemal User, M.** Bir osteom müsküler vak'asi. Askeri sihhiye mecmuasi, 1945, **74:** No. 45, 11–7.—**Davidenkov, S.** Sudorogi. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 358–63.—**Gusev, A., & Makarenko, A.** Gangrena. Ibid., **1:** 1128–34, pl.—**Knepper, R.** Die fortschreitende Fasciennekrose. Deut. Militärarzt, 1943, **8:** 171.—**Majat, V.** Gonit (gonitis) In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 106–12.—**Medvinsky, M. E.** O lečenii panaricija v vojskovom rajone. Tr. Severo-Oset. gosud. med. inst., Dzaudzhikau, 1950, **3:** 72–6.—**Nakamura, K.** Gansyu no kokkaku-kin ni okeru tahatusei ten-i ni tuite [Ueber die multiple Metastase des Krebses auf die Skelettmuskeln] Gun idan zassi, 1932, 371–8, 2 pl.—**Oliveira, E. de.** A cirugia do tonus muscular. Rev. med. mil., Rio, 1935, **24:** 118–24.—**Paitre & Baudet.** Myostéomes discontinus à localisation exceptionelle. Bull. Soc. méd. mil. fr., 1926, **20:** 281–3.—**Petrov, N. N.** Angiomy proizvolnykh myšc. Raboty Proped. khir. klin. Oppel. Voj. med. akad., S. Peterb., 1910, **1:** 135–56.—**Savvin, N. G.** Vlijanie razdraženija periferičeskogo otrezka jazyčnogo nerva na process trupnogo okočenenija myšc jazyka. Tr. Voen. med. akad. S. M. Kirova, 1946, **1:** 121–4.—**Tullis, J. L.** Ischemic muscle damage. U. S. Nav. M. Bull., 1946, **46:** 576–80.—**Vasjutočkin, A. M.** K voprosu o regeneracii poperečnopolosatoj myšečnoj takni. Tr. Voen. morsk. med. akad. (1947) 1948, Sess. 2, 43.—**Werthmann, H.** Der Ueberlastungsschaden des Skelettsystems beim Soldaten. Zschr. ärztl. Fortbild., 1939, **36:** 270.—**Wylie, P. E.** Subdeltoid bursitis. Mil. Surgeon, 1949, **105:** 237–40.

—— Examination.

See also **Medical examination,** Musculoskeletal system.

Jasper, H., & Forde, W. O. The R. C. A. M. C. Electromyograph Mark III. 47 l. 28cm. Ottawa, 1945.

Forms No. C-6238, Rep. Com. Army M. Res. Nat. Res. Counc. Canada.

Loucks, R. B. A method for reducing muscle action potentials to quantitive indices of tension for use in air crew classification tests. 9p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 44, U. S. Air Force School Aviat. M.

Clarke, H. Measurement of strength of affected muscles in orthopedic disabilities. Q. Project Summary Off. Nav. Res., 1948, July, 303. ——— Testing muscle strength. Research Rev. (U. S. Navy) 1950, Jan., 1–8.—**Patrick, J. W.** An introduction to electromyography. Treatm. Serv. Bull., Ottawa, 1948, **3:** 34–9.

—— Injury.

See also such terms as **Extremity injury; Paralysis,** etc.

Adamesteanu, C., & Munteanu, V. Plăgile articulare de razboi. Rev. san. mil., Bucur., 1934, **33:** 673; passim.—**Bomfim, R. da C.** Fraturas, luxações, torceduras. In: Man. socor. guerra, S. Paulo, 1943, 126–48, 19 pl.—**Bonvech, E. S.** Rare case of traumatism; rupture of the tendon of the biceps femoris from the head of the fibula] Voen. med. J., S. Peterb., 1911, **232:** 28–30.—**Casella, D.** Due casi traumatici di rottura ed ernia muscolare degli adduttori della coscia sinistra. Gior. med. mil., 1926, **74:** 214–9.—**Clark, W. E. L.** Anatomical problems relative to the traumatic surgery of muscle. Bull. War M., Lond., 1945–46, **6:** 267–71.—**Clarke, L. G.** Problemas anatómicos referentes a la cirugía de los traumatismos musculares. Rev. san. mil., B. Air., 1946, **45:** 870–9.—**García Díaz, F.** Consideraciones sobre el plan de recuperación por secuelas de heridas de guerra del aparato locomotor. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 447–61.—**Homan, R. H., & Brown, C. E.** Uremia from toxic pigment nephrosis secondary to compression of voluntary muscle; report of fatal case. U. S. Nav. M. Bull., 1945, **45:** 156–60.—**Ihde, H.** [Rupture of muscles of lower leg; 12 cases] Tskr. mil. hälsov., 1927, **52:** 157–79, pl.—**Kočanov, A. V.** Slučaj polnago podkožnago razryva prjamoj myšcy života. Voen. med. J., S. Peterb., 1914, **240:** Med. spec. pt, 390–6.—**Kondratjev, F. D.** Slučaj gryži dlinnoj privodjašcej myšcy bedra. Ibid., 1912, **235:** Med. spec. pt, 20–7.—**Lagomarsino, E. H., & Roca, C. A.** Rupturas musculares subcutaneas de los adductores del muslo. Rev. san. mil., B. Air., 1938, **37:** 694–9.—**McMaster, P. E.** Muscle hernia of the leg; a study of 21 cases and 38 hernias. U. S. Nav. M. Bull., 1943, **41:** 404–9.—**Perves, J., Barge, P.** [et al.] Accidents consécutifs à la compression prolongée des masses musculaires des membres. Rev. méd. nav., Par., 1946, **1:** 73–81.—**Romancev, N. I.** O nadryvakh prjamykh myšc života vo vremja gimnastiki. Voen. med. J., S. Peterb., 1913, **237:** Med. spec. pt, 566–70.—**Simon, H. E.** Muscle hernia; with report of six additional cases in the arm and leg. Mil. Surgeon, 1945, **97:** 369–74.—**Simpson, J.** Modern treatment of injuries without a massage department. J. R. Nav. M. Serv., 1935, **21:** 105–10.—**Zhorov, I. S.** [Instructions for the complex treatment of war wounds of the motor apparatus and of the nervous system] Khirurgia, Moskva, 1942, No. 5, 84.

MUSEUM.

[Great Britain] Museums Association. The educational value of museums & the formation of local war museums. 103p. 21½cm. Lond., 1918.

Ash, J. E. The Huntington anatomical collection. Army M. Bull., 1939, **49:** 20–2.—**Museum** attendance and the war. Science, 1943, **97:** 436.—**Plenderleith, H. J.** Preservation of museum objects in war-time. Nature, Lond., 1943, **152:** 94–7.—**Rawlins, I. G.** The National Gallery in war-time. Ibid., **151:** 123–8.—**Titcomb, M.** Wartime activities at Bishop Museum, Honolulu. Spec. Libr., 1945, **36:** 198–204.

—— medical.

See also **Equipment,** medical; **Equipment laboratory.**

Val-de-Grâce, France. Musée du Val-de Grâce. Iconographie du Musée du Val-de-Grâce. 2v. 32½cm. Par., 1918–26.

Akodus, J. I. [A museum of the military medical service of the Red Army] Voen. san. delo, 1943, No. 8, 53–5. ——— [Army Medical Museum of the Red Army] Med. rabot., 1944, **7:** No. 14, 4. ——— Red Army Museum of War Medicine. Am. Rev. Soviet M., 1944–45, **2:** 181–3.—**Bravo-Ferrer, J.** La sala de sanidad militar en el Museo del Ejército. Med. & cir. guerra, 1946, **8:** No. 17, 3–16.—**Catoyra, F. E.** El museo de sanidad militar. Rev. san. mil., Madr., 1911, 3. ser., **1:** 445–51.—**Collection** of specimens showing lesions peculiar to warfare. J. Techn. Meth., Toronto, 1942, No. 22, 114–6.—**Dedication** of an equipment museum at the Medical Field Service School. Science, 1944, **100:** 6.—**Ewing, J.** Experiences in the collection of museum material from Army camp hospitals. Bull. Internat. Ass. M. Mus., Montreal, 1922, No. 8, 27–34.—**Injuries** and diseases of war. Lancet. Lond., 1941, **2:** 647. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 71.—**Judah, E. L.** On the technique of the preservation of war

material. Bull. Internat. Ass. M. Mus., Montreal, 1918, No. 7, 21–9.—**Kazii, T.** Berlin ni okeru Eisei-syō-nai no sen-eki byōri-hyōhon ni tuite [Pathological specimens from war in the Department of sanitation in Berlin] Gun idan zassi, 1929, 265–80.—**Maksimenkov, A. N.** Opyt raboty Voenno-medicinskogo muzeja Krasnoj Armii. Voen. med. J., Moskva, 1945, No. 7, 66–8. ——— Voenno medicinskij muzej. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 899.—**Medical** (The) War Museum. Brit. M. J., 1919, **1:** 495.—**Monéry, A.** Le Musée du Val de Grâce. In his Val de Grâce, Par., 1937, 65–82.—**National** (A) collection of war injuries. J. Am. M. Ass., 1943, **121:** 695.—**National** (A) collection of war specimens. Lancet, Lond., 1919, **2:** 120.—**Pathological** specimens illustrating the injuries and diseases of war. Bull. War M., Lond., 1941–42, **2:** 159; 1942–43, **3:** 536.—**Pathological** (A) war collection. Brit. M. J., 1941, **2:** 740.—**Project** for a national collection illustrating the injuries of war. Bull. Army M. Dep., Lond., 1942, No. 18, 11. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 71.—**Royal** College of Surgeons to form new pathologic war collection. J. Am. M. Ass., 1942, **118:** 747.—**Stitt, E. R.** The Naval Museum of Hygiene and its founder, Jerome Kidder, Surgeon, U. S. Navy. Mil. Surgeon, 1940, **86:** 529–38.—**Val-de-Grâce** (Le) et son musée. Progr. méd., Par., 1928, **43:** Suppl., 1–6, illust.—**Vladislavev, S. V.** [History of the origin of Pirogov Museum] Vest. khir., 1924, **3:** pt 8, 5–12.—**War** (The) collection at the Royal College of Surgeons of England. Brit. M. J., Lond., 1918, **2:** 64.—**Westenhöfer, M.** Zur Geschichte der Kriegspathologischen Sammlung in Berlin. Deut. Militärarzt, 1936, **1:** 248–51.

—— medical: Army Medical Museum.

See also **Pathology,** Institute.

United States. War Department. Army regulations No. 40–410; Medical Department: The Army Medical Museum. 7p. 8°. Wash., 1922.

United States. War Department. Technical bulletin TB MED 199: Medical Museum and Arts Detachments (MM&AD) 3p. 26½cm. Wash., 1945.

Army Institute of Pathology: Army Medical Museum. Am. J. Clin. Path., 1946, **16:** 226–8. Also Mil. Surgeon, 1946, **98:** 242–5. Also Philadelphia M., 1945–46, **41:** 1009–13.—**Army** Medical Museum acquires unique collection of eyes. Army M. Bull., 1939, **49:** 23.—**Army** medical museum and library. J. Am. M. Ass., 1938, **110:** 2084.—**Ash, J. E.** The Army Medical Museum in this war. South. M. J., 1944, **37:** 259–61.—**Dart, R. O.** The Army Medical Museum. Army M. Bull., 1936, **34:** 63–7. Also Bull. Internat. Ass. M. Mus,. 1947, 27: 12–22. ——— The microscope collection, Army Medical Museum. J. Techn. Meth., Toronto, 1936, **16:** 15–18.—**Establishment** of registry of veterinary pathology at the Army Institute of Pathology, Army Medical Museum, Washington, D. C. Am. J. Clin. Path., 1944, **14:** 619.—**Exhibition** of the medical activities of the war, Army Medical Museum. J. Arkansas M. Soc., 1918–19, **15:** 223; 239.—**Karsner, H. T.** Army Medical Museum; Army Institute of Pathology. J. Am. M. Ass., 1944, **124:** 710.—**O'Brien, M. B.** What the Army Medical Museum offers civilian doctors; like the Army Medical Library, it provides valuable study material. Med. Econom., 1942–43, **20:** No. 8, 42.—**Medical** art and photography enlist for the duration. J. Biol. Photogr. Ass., 1942–43, **11:** 100–2.—**Medical** art in the United States Army. Ibid., 1941–42, **10:** 145.—**Owen, W. O.** The Army Medical Museum. N. York M. J., 1918, **107:** 1034–6, illust. ——— Museum and Library Division; Army Medical Museum, Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1:** 512–6.—**Pathological** specimens wanted [Army Med. Mus.] Bull. U. S. Army M. Dep., 1943, No. 69, 32.—**Resolutions** on construction of new building to house Army Medical Library, Army Medical Museum. J. Am. M. Ass., 1934, **102:** 2115.—**Rogers, J. A.** Pathologic material for the Army Medical Museum. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 127, 1.—**Shufeldt, R. W.** The Army Medical Museums. Med. Rec., N. Y., 1917, **92:** 663–5, illust. ——— The teratological collection of the Army Medical Museum. Ibid., 1918, **93:** 620–7. ——— Activities incident to the war, as seen at the Army Medical Museum in Washington. Med. Rev. of Rev., 1918, **24:** 137–42. ——— Various specimens in the collections of the Army Medical Museum of the Surgeon General's Office. Ibid., 202–8. ——— The art department of the Army Medical Museum. Ibid., 390–5. ——— Value of the Army Medical Museum as a teaching factor. Mus. Work, Provid., 1919, **1:** 207–13.—**T., K. H.** The Army Medical Museum number. Am. J. Orthodont., 1944, **30:** Oral Surg., 315.—**Thatcher, H. S.** Specimens from the Civil War period. Phi Chi Q., 1938, **35:** 536.—**Visit** to the Army Medical Museum. J. Biol. Photogr. Ass., 1942–43, **11:** 134–6.—**Wilder, H. C.** Methods of mounting eyes at Army Medical Museum. Bull. Internat. Ass. med. Mus., 1934, No. 13, 47.

MUSIC.

United States. War Department. Technical bulletin TB MED 187: Music in reconditioning in ASF convalescent and general hospitals. 11p. 26½cm. Wash., 1945.

Ainlay, G. W. The place of music in military hospitals. In: Music & Med. (Schullian, D. M.) N. Y., 1948, 322–51.—**Critchley, M.** Two cases of musicogenic epilepsy. J. R. Nav. M. Serv., 1942, **28:** 182–4.—**Fultz, A. F.** Music as a modality of occupational therapy. War Med., Chic., 1944, **5:** 139–41.—**Galanternik, V.** [Music and surgery] Voen. san. delo, 1937, No. 1, 53.—**O'Donnell, P. S. G.** Military music. Proc. R. Inst. Gr. Britain, 1940–41, **31:** 420–36.—**Paperte, F.** Music in military medicine. Ment. Hyg., Alb., 1946, **30:** 56–64.—**Pérou, M.** Musique, et médecine. Caducée, Port au Prince, 1945, No. 19, 37–40.—**Pierce, A. H.** The therapeutic value of music for psychotic patients. Med. Bull. Veterans Admin., 1934, **11:** 142–7. ——— The application of music in a Veterans' Administration mental hospital. Occup. Ther. Rehabil., 1934, **13:** 279–88.—**Richter, W. G.** The beneficial effects of music for the mentally ill. Med. Bull. Veterans Admin., 1934, **11:** 148–50.—**Scaduto, L. A.** La influencia de la música en la formación del espíritu guerrero a través de la historia. Rev. mil., B. Air., 1944, **44:** pt 2, 1307–13.—**Simon, W.** The value of music in the resocialization and rehabilitation of the mentally ill. Mil. Surgeon, 1945, **97:** 498–500.—**Taylor, S.** A case of musicogenic epilepsy. J. R. Nav. M. Serv., 1942, **28:** 394.—**Williams, A. M.** Folk-songs of the civil war. J. Am. Folklore, 1892, **5:** 265–83.—**Yeager, R. P.** The use of music in a neuropsychiatric service. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 103–9.

MUSTARD gas.

Lindeman, W. Iperyt. 322p. 8° Warsz., 1929.

West, C. J. Dichloroethyl sulfide and homologues. Pt 1. 264p. 4° Wash., 1918.

Forms No. 1, Monogr. Am. Univ. Exp. Sta. Res. Div. U. S. Chem. Warf. Serv.

Adams, L. H., & Williamson, E. D. Some physical constants of mustard gas. J. Washington Acad. Sc., 1919, **9:** 30–8.—**Bacorell, J. F.** La iperita en la guerra química. Rev. estud. mil., Madr., 1936, **9:** 369–75.—**Cattelain, E.** Le physicien César Despretz et la découverte de l'ypérite. J. Pharm. chim., Par., 1935, 8. ser., **22:** 512–4. ——— L'ypérite ou gaz moutarde; son histoire, le secret de sa puissance, son avenir. Rev. gén. sc. pur., 1938, **49:** 205; 322.—**Cox, G. H.** Gas poisoning in warfare; a study of the effects of so-called mustard gas upon the upper respiratory tract. Med. Rec., N. Y., 1919, **94:** 311–7.—**Dichlorethylsulfide** by a new process. Chem. Warf. Bull., 1938, **24:** 94–100.—**Drugov, J.** Iprit. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 985–94, pl.—**Effects** of mustard bomb hits on tanks. Milit. Rep., Wash., 1943, No. 2, 28–30.—**Farache, J. J.** La iperita en la guerra química. Rev. san. mil., B. Air., 1937, **36:** 350–7.—**Felsing, W. A., Odeen, H., & Petersen, C. B.** Decomposition of and pressure developed by mustard gas in steel shell at 60° C. Chem. Warf., 1920, **5:** No. 12, 10–5.—**Formula** and manufacture of mustard gas. Ibid., 1921, **6:** No. 12, 8–14.—**Hopkins, E. F.** On dichlorethylsulphide (mustard gas); solubility and hydrolysis of dichlorethylsulphide; with a new method for estimating small amounts of the same. J. Pharm. Exp. Ther., 1918–19, **12:** 393–403.—**Likhačev, A.** Iprit. In: Bolsh. med. encikl., 1930, **11:** 728–34.—**Lustig, A.** Il solfuro di dicloroetile (yprite) aggressivo chimico di guerra. Riforma med., 1935, **51:** 239–44.—**Lutte** (La) contre les gaz et l'hyperite. Rev. hyg., Par., 1918, **40:** 623.—**Mustard gas;** its brief but inglorious career. Lancet, Lond., 1919, **1:** 471.—**New** gases, the nitrogen mustards. Bumed News Lett., Wash., 1943, **2:** No. 2, 13–5.—New war gases; new class of blistering agents known as nitrogen mustards. Science News Lett., 1943, **43:** 147.—**Peronnet, M.** A propos de la découverte de l'ypérite. J. pharm. chim., Par., 1936, 8. ser., **23:** 290–2.—**Pope, W. J.** Mustard gas. J. Soc. Chem. Indust., Lond., 1919, **38:** 344; 432.—**Rhoads, C. P.** The sword and the ploughshare [mustard gas analogues] J. Mount Sinai Hosp., N. York, 1946–47, **13:** 299–309.—**Skot-Hansen, J. P.** [Mustard-gas] Militaerlaegen, 1934, **40:** 1–23.—**Streeter, E. D.** Continuous vacuum still for mustard gas. J. Indust. Engin. Chem., 1919, **11:** 292–4.—**Van Melckebeke, F.** L'ypérite. J. pharm. Belgique, 1932, **14:** 93–9.

—— Detection.

Epstein, J., & Kethley, T. W. Automatic electrolytic titrator for mustard. 11p. 27cm. Edgewood Arsenal, 1946.

Forms Rep. No. 92, Med. Div. Chem. Corps U. S. Army.

Nickerson, M. H., Bauer, V., & Clare, V. Sensitivity of mustard and arsenical test papers to agents in air and water. 22p. 27cm. Edgewood Arsenal, 1945.

Forms Rep. No. 31, Med. Div. Chem. Warfare Serv. U. S. Army.

Darinka, N. R. [Testing and detection of yperite in the soil and on various objects] Voj. san. glasnik, 1938, **9:** 319–31.—**Grignard, V., Rivat, G., & Scatchard, G.** Sur la détection

et le dosage de l'ypérite et du thiodiglyol. C. rend. Ass. fr. avance. sc. (1920) 1921, **44**: 125–30.—**Lockwood, H. C.** The determination of traces of mustard gas in contaminated foodstuffs and other commodities. Analyst, Lond., 1941, **66**: 480–6.—**McCorkindale, F., & Burch, P. R.** The garden slug, Limax maximus L., as a detector of mustard gas, dichlor-ethyl sulfide. Proc. Virginia Acad. Sc., 1941–42, 212 (Abstr.)—**Northrop, J. H.** Detection of mustard gas (H) lewisite (L) ethyldichlorarsine (ED) and phenyldichlorarsine (PD) with trained dogs or rats. J. Gen. Physiol., 1946–47, **30**: 475–8.—**Protection** des populations civiles contre la guerre chimique; la détection de l'ypérite. Rev. internat. Croix Rouge, 1936, **18**: 919–30.—**Silver, S. D., & Ferguson, R. L.** A method for the visual demonstration of mustard (dichlorodiethyl sulfide) in skin. Am. J. Clin. Path., 1947, **17**: 39–43.

—— Poisoning.

See also **Gas poisoning**; Pathology; Eye.

GILCHRIST, H. L., & MATZ, P. B. The residual effects of warfare gases; the use of mustard gas, with report of cases. p. 339–90. 23½cm. Wash., 1933.

Med. Bull. Veterans Admin., 1933, **9**:

GRZHEBIN, Z. N. [Aspect, therapy and prophylaxis of yperite affections of the skin] 2. izd. 106p. 21½cm. Rostov, 1935.

Alexander, S. F. Medical report of the Bari harbor mustard casualties. Mil. Surgeon, 1947, **101**: 1–17.—**Andreoli, I.** Un caso di intossicamento da yprite. Gazz. med. lombarda, 1918, **77**: 108–10. Also Gazz. osp., 1918, **39**: 307.—**Atkinson, W. S.** Delayed mustard gas keratitis (dichlorodiethyl sulfide) a report of two cases. Tr. Am. Ophth. Soc., 1947, **45**: 81–92, 2 pl. Also Arch. Ophth., Chic., 1948, **40**: 291–301.—**Bamford, R. M.** Mustard gas and Army animals. J. R. Army Vet. Corps, 1939–40, **11**: 113–29.—**Bertein & Baudet.** Les séquelles objectives des conjonctivites par ypérite. Bull. Soc. méd. mil. fr., 1925, **19**: 171–5.—**Bickerton, R. E.** New cases of war blindness due to mustard gas. Brit. M. J., 1934, **2**: 769.—**Bodnár, T.** [Fatal poisoning by mustard gas] Orv. hetil., 1937, **81**: 707; 1112.—**Bonnet, P.** Dégénérescence de la cornée et ulcère torpide, manifestation à longue échéance de l'atteinte par ypérite. Arch. opht., Par., 1939–40, n. ser., **3**: 812.—**Bujadoux.** Lésions conjonctivales consécutives aux brûlures d'hypérite. Bull. Soc. opht. Lyon, 1925–26, **14**: 47.—**Cemach, S., & Halpern-Wieliczański, H.** Z kliniki oparzeń iperytowych. Lek. wojsk., 1927, **29**: 33–43, 4 pl.—**Clemmensen, V.** [Eye injuries caused by war gas] Hospitalstidende, 1938, **81**: 264–71.—**Clerc, A., Guilhaume, H., & Rousselot.** Séquelles génitales chez les ypérites. Progr. méd., Par., 1919, 3. ser., **34**: 351.—**Clerc, A., Ramond, L., & Guilhaume, H.** Etude clinique des séquelles pulmonaires chez les ypérités. Presse méd., 1919, **27**: 477.—**Clerc, A., & Roudinesco, A.** Sur l'albumino-réaction des crachats dans les séquelles pulmonaires des ypérites. C. rend. Soc. biol., 1919, **82**: 787.—**Cortini, A.** Circa gli effetti morbosi dell'yprite. Gior. med. mil., 1918, **66**: 235–43.—**D., L.** Protection des populations civiles contre la guerre chimique; ypérite et tuberculose. Rev. internat. Croix Rouge, 1929, **11**: 1005–7.—**Darbois, P.** Le poumon chez les ypérités: présentation de radiogrammes. Bull. Soc. radiol. méd., France, 1919, **7**: 14.—**De Courcy, T. L.** A case of mustard gas keratitis under constant observation for a period of 20 years. Brit. J. Ophth., 1943, **27**: 54–60 —**Eye** injuries from mustard gas. Lancet, Lond., 1940, **1**: 886.—**Ferraloro, G.** Il metodo guttadiaphot nell'intossicazione da solfuro di etile biclorurato (iprite) Gior. med. mil., 1937, **85**: 385–94, 2 pl.—**Ferraz Pereira Monteiro, J. L.** A ypérite. Bol. Dir. serv. saúde mil., 1939, **2**: 271–90.—**Frescoln, L. D.** Mustard (yellow cross) burns. J. Am. M. Ass., 1918, **71**: 1911.—**Galwey, W. R.** Some medical problems of mustard gas poisoning. J. R. Army M. Corps, 1932, **59**: 125–3.—**Genet, L.** Ypérite: séquelles oculaires tardives. Lyon méd.,1922, **131**: 786–8. ——— Ypérite; séquelles oculaires; demande tardive de pension. Bull. Soc. opht. Lyon, 1922–23, **11**: 27–31. Also Lyon méd., 1923, **132**: 366–70. ——— Brûlure oculaire par gaz ypérite, séquelles persistant 7 ans après la blessure; présentation du malade. Bull. Soc. opht. Lyon, 1924–25, **13**: 82–5. Also Lyon méd., 1925, **136**: 388–91. ——— Ypérite, ischémie conjonctivale, ulcère cornéen tardif. Bull. Soc. opht. Paris, 1937, 409–12. Also Lyon méd., 1937, **160**: 229–31. ——— & **Delord, E.** Ypérite, kératite symétrique tardive à allure trophique. Bull. Soc. opht. Paris, 1936, 521–7. ——— Also Lyon méd., 1936, **158**: 216–21.—**Hasskó, A.** Weitere Beiträge zum Senfgasschutz. Berl. tierärztl. Wschr., 1940, 152, illust.—**Hauck, L.** Schädigungen der Haut durch den Gelbkreuz-Kampfstoff (Dichloräthylsulfid, Lost, Senfgas) Erkennung, erste Hilfe und Weiterbehandlung. Münch. med. Wschr., 1937, **84**: 1292–4.—**Heckford, F.** Delayed corneal ulceration following mustard gas burns. Proc. R. Soc. M., Lond., 1936–37, **30**: 949.—**Heuss, H. v.** Zur Frage der Ursachen der Gelbkreuzkachexie und ihrer Behandlung. Med. Welt, 1937, **11**: 1568.—**Jackson, E.** Mustard-gas injuries. Am. J. Ophth., 1942, **25**: 887.—**Jacqueau & Bujadoux.** Infection aiguë des deux globes oculaires, à deux ans de distance chez un ancien ypérite. Rev. gén. opht., Genève, 1925, **39**: 240.—**Keller, W.** Die Empfindlichkeit der menschlichen Haut gegenüber Kampfstoffen der Gelbkreuzgruppe. Dermatologica, Basel, 1942, **85**: 1–26.—**Konstantinov, V. M., & Kolen, A. A.** K patomorfologii ipritnyh poraženij glaza. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 349–56, 2 pl.—**Krivorotov, I.** [Course and healing of deep wounds of the muscles infected by yperite] Voen. san. delo, 1936, No. 8, 14–7.—**Kuske, H.** Yperit-Schädigung II und III Grades. Dermatologica, Basel, 1945, **91**: 256.—**Lecaplain.** Etude du poumon ypérité. Normandie méd., 1919–20, **31**: 286.—**Lustig, A.** Sugli effetti del solfuro di etile biclorurato; gas vescicatorio od yprite. Sperimentale, 1918, **72**: 119–28.—**Mallie, H.** Les séquelles broncho-pulmonaires de l'ypérite. Arch. méd. chir. app. resp., Par., 1930, **5**: 233–66.—**Mann, I.** A study of 84 cases of delayed mustard gas keratitis fitted with contact lenses. Brit. J. Ophth., 1944, **28**: 44–7. ——— & **Pullinger, B. D.** A study of mustard gas lesions of the eyes of rabbits and men. Proc. R. Soc. M., Lond., 1941–42, **35**: 229–44., 7 pl.—**Matras, A.** Gelbkreuz-Kampfgas-Verätzung der Haut. Derm. Wschr., 1933, **97**: 1523–5.—**Moore, R. F., & Heckford, F.** Delayed corneal ulceration from mustard gas. Brit. M. J., 1929, **1**: 497.—**Mustard** gas and the eye. What's New, North Chic., 1942, No. 60, 9.—**Neame, H.** Late results after mustard-gas burn of the eyes. Proc. R. Soc. M., Lond., 1928–29, **22**: Sect. Ophthal., 7.—**Osterchrist, W.** Vier Lostvergiftungen an Kindern [Poland] Münch. med. Wschr., 1941, **88**: 1048 (Abstr.)—**Pathology** (The) of mustard gas. J. Am. M. Ass., 1918, **70**: 1947.—**Pinard, M.** Gaz toxiques, urticaire et tuberculose. Presse méd., 1917, **25**: 668.—**Pissarello, C.** Relazione sugli effetti morbosi delle granate cariche ad yprite. Gior. med. mil., 1918, **66**: 128–34.—**Plaňanský, K.** [Collective examination of dermal reaction caused by yperit solutions] Voj. zdrav. listy, 1936, **12**: 98–110.—**Richardson, G. M.** The onset of pneumonic influenza in 1918 in relation to the wartime use of mustard gas. N. Zealand M. J., 1948, **47**: 4–16.—**Ridley, H.** Mustard gas keratitis. Proc. R. Soc. M., Lond., 1935–36, **29**: 962.—**Rohrschneider, W.** Spätschädigung der Augen nach Gelbkreuzgas-Vergiftung. Klin. Mbl. Augenh., 1937, **99**: 447–55.—**Rothlin, E.** Ueber Yperit-Erfahrungen bei Mensch und Tier. Schweiz. med. Wschr., 1942, **72**: 385–8.—**Schrader.** Drei Fälle von Gelbkreuzschädigung der Augen im Jahre 1947. Klin. Mbl. Augenh., 1948, **113**: 77.—**Sommer.** Spätschäden der Augen nach Dichlordiäthylsulfid-Verätzung. Samml. Vergift., 1939, **10**: A, 47.—**Sourdille, G. P.** Les kératites tardives par ypérite; traitement par la greffe de conjonctive. Ophthalmologica, Basel, 1949, **118**: 893–908.—**Uhde, G. I.** Mustard-gas burns of human eyes in World War II. Am. J. Ophth., 1946, **29**: 929–38.—**Vincent.** Les vésiqués, intoxiqués par les nouveaux gaz; au point de vue otorhino-laryngologique. Rev. laryng., Par., 1919, **40**: 313–28.

—— Poisoning: Treatment.

ERMERT, H. *Ueber Calciumtherapie der durch Dichlordiäthylsulfid verursachten Hautschädigungen [Berlin] 46p. 21cm. Kassel-Wilhelmshöhe, 1939.

LAUGHLIN, R. C. The therapeutic effect of BAL ointment in the eyes of rabbits contaminated with liquid mustard compared to irrigation with water and NDR 602 ointment. 19 l. 22cm. Edgewood Arsenal, 1944.

Forms No. 12, Rep. Med. Div. Chem. Warf. Serv. U. S. Army.

MCANALLY, W. F. The ambulatory treatment of mustard skin lesions. 7 l. 27½cm. Edgewood Arsenal, 1943.

Forms No. 1, Mem. Rep. Indust. M. Serv. Edgewood Arsenal U. S. Army.

MUNTSCH, O. *Beiträge zur Behandlung der Hautschädigungen durch Dichloräthylsulfid. 42p. 8° Würzb., 1928.

SCHURICH, L. *Experimenteller Beitrag zur Lebertrantherapie bei Gelbkreuzkampfstoffschädigungen der Haut. 39p. 8° Berl., 1938.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 153: First aid for liquid blister gas contamination of the eye. 2p. 26cm. Wash., 1945.

VERHOFF, A. B. J. F. *Experimentelle Beiträge zur Behandlung der Hautschädigung durch Dichlordiäthylsulfid mittels Germanin [Berlin] 26p. 21cm. Würzb., 1939.

Amyl salicylate in the treatment of mustard gas burns of the skin. Bull. War M., Lond., 1942–43, **3**: 170 (Abstr.)—**Bandaline, J., & Poliakoff, J.** Douches d'air chaud contre les brûlures par l'ypérite. Bull. Acad. méd., Par., 1918, 3. ser., **80**: 30.—**Bradbury, S.** Decontamination of eyes which have been contaminated by mustard gas. J. R. Nav. M. Serv., 1936, **22**: 341.—**Caletti, G.** Terapia di lesioni cutanee da iprite. Ann. med. nav., Roma, 1942, **48**: 148–52.—**Clemmesen, V.** On the treatment of eye lesions due to mustard gas. Acta ophth.,

Kbh., 1944, **22**: 223.—**Csapody-Mocsy, M.** Ricerche sperimentali circa il trattamento delle lesioni oculari da iprite. Boll. ocul., 1941, **20**: 68.—**Dainow, I.** Brûlure par vapeurs d'yperite; guérison rapide par applications locales de vitamine A. Dermatologica, Basel, 1943, **88**: 116.—**Drugov, U. V.** [Treatment of yperite affections of the skin with paraffin preparations] Voen. med. J., Moskva, 1931, **2**: 12–25. ——— Termoparafinovaja terapija ipritnykh poraženij kožI. Voen. san. delo, 1935, No. 5, 34–42.—**Eichholtz.** Ueber die Salbenbehandlung von Gelbkreuzwunden. Veröff. Marine San., 1942, H. 34, 226–30.—**Goldschlag, F.** Experiments on the improvement of the treatment of mustard gas lesions of the skin. Med. J. Australia, 1942, **1**: 620–2.—**Heinsius, E.** Experimentelle Untersuchungen über die Prophylaxe und Therapie der Gelbkreuzerkrankungen der Augen. Veröff. Marine San., 1938, H. 30, 5–92.—**Horváth, G.** [Dichlordiaethylsulfid and poisoning caused by this drug; its treatment in animals of the military veterinary service] Allatorv. lap., 1934, **57**: 253–8.—**Jänel, H.** Behandlung gelbkreuzbenetzter blutender Hautwunden. Zschr. Veterinärk., 1938, **50**: 506–14.—**Juler, F.** The treatment of mustard gas burns in the eye. Brit. J. Ophth., 1939, **23**: 793–5.—**Kartamyševa, A., & Kuznec, M.** [Removal of yperite from the skin] Vrach. delo, 1931, **14**: 471–6.—**Krivorotov, I.** [Treatment of wound infected by yperite] Voen. san. delo, 1937, No. 8, 12–5.—**Levittoux, H.** [Position of the surgeon in cases of gassing especially with yperite] Lek. wojsk., 1934, **23**: 113–26.—**Lustig, A.** Alcuni appunti pratici sul trattamento medicamentoso antipritico. Gior. med. mil., 1931, **79**: 596–9. ——— **& Rovida, G.** Nozioni pratiche sugli effetti del solfuro di etile biclorurato (yprite); bonifica antipritica. Sperimentale, 1930, **84**: 185–212.—**McDonagh, J. E. R.** The treatment of mustard gas poisoning. Med. Press, Lond., 1918, n. ser., **106**: 365.—**Marucci, L.** Le vitamine C, A e D nella profilassi e nella cura delle lesioni oculari sperimentali da yprite e da cloropicrina; indubbia efficacia della vitamina C. Ann. ottalm., 1941, **69**: 225–54.—**Metelmann, J.** Ueber Behandlung der durch Gelbkreuzkampfstoff gesetzten Hautwunden mit Kamille. Arch. exp. Path., Lpz., 1938–39, **191**: 263–5.—**Mikhajlovsky, S. M.** Lečenie fizioterapevtičeskimi metodami ipritnykh poraženij kožI. Voen. med. J., Moskva, 1931, **2**: 506–15.—**Muntsch, O.** Beiträge zur Farbstofftherapie bei Dichlordiäthylsulfidwunden. Klin. Wschr., 1937, **16**: 1575. ——— Ueber unspezifische Therapie bei Dichlordiäthylsulfidschädigung der Haut. Veröff. Heer. San., 1938, H. 105, 192–7.—**Nitrogen** mustards; some pertinent facts about these new gases; their effects, protection and first aid. Chem. Warf. Bull., 1943–44, **29**: No. 5, 42–4.—**Postel.** Plasma therapy in mustard-gas injuries. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 290.—**Prevention** and treatment of mustard burns. Bull. U. S. Army M. Dep., 1944, No. 80, 1.—**Przychocki, S.** [Present methods in the treatment of yperite injuries of the skin] Lek. wojsk., 1934, **23**: 225, 289.—**Radulović, M.** Očne izlede prouzrokovane iperitom i njihovo lečenje. Voj. san. glasnik, 1931, **2**: 627–32.—**Ratkó, F.** Mustárgázsérülések kezelése vitaminos kenöccsel. Orv. hetil., 1942, **86**: 321.—**Rousseau, E., & Devaux, L.** Etude rétrospective, chimicothérapeutique, d'un nouveau traitement des brûlures par l'ypérite. J. méd., Bordeaux, 1919, **49**: 149–56.—**Sakasaki, Y.** Yperite ni in-suru hihuen no rinsyō-teki narabi ni tiryō-teki kansatu [Clinical and therapeutic observations on dermatitis caused by yperite] Gun idan zassi, 1930, 361–74, 2 pl.—**Schrafl, A.** Yperitschutz, prophylaktische Yperitbehandlung. Schweiz. med. Wschr., 1936, **66**: 591–3.—**Soehring.** Plasma-therapy in mustard gas injuries. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 289; Disc., 290.—**Sohier, R.** Thérapeutique des lésions dues aux toxiques de guerre; caustiques vésicants. Presse méd., 1939, **47**: 1064–9.—**Sourdille, G. P.** Une thérapeutique chirurgicale des kératites par ypérites. Bull. Soc. fr. opht., 1940–46, **59**: 119.—**Stamm, G. L.** [Methods of treating skin affected by yperite] Vener. derm., Moskva, 1930, **7**: 93.—**Telbisz, A.** [Treatment of cutaneous injuries from mustard gas] Orv. hetil., 1937, **81**: 414.—**Treatment** of mustard gas lesions of the eyes. Bull. Army M. Dir., Lond., 1941, 1.—**Weidner, H.** Hautschädigungen durch Lost und Gedanken zu ihrer Behandlung. Med. Welt, 1937, **11**: 1566–8.—**Zeldin, B. A.** K voprosu o lečenii ipritnykh poraženij kožI. Voen. med. J., Moskva, 1931, **2**: 26–9.

—— Toxicity.

Arnold, H. *Beiträge zur Pathologie der Augenschädigung durch Dichlordiäthylsufid auf Grund von Tierversuchen. 17p. 8° Berl., 1937.

Brown, E. C., jr. Pulmonary effects following chronic exposure to HS vapor. 35p. 26½cm. Army Chem. Center, 1949.

Forms No. 187, Rep. Med. Div. Chem. Corps U. S. Army.

Najdorf, C. *Contribution à l'étude de l'action de l'ypérite sur les voies respiratoires. 70p. 24cm. Par., 1939.

Pöpping, F. *Makroskopische und mikroskopische Untersuchungen über die Veränderungen der Haut im Tierversuch nach Aetzung mit Dichloraethylsulfid (Gelbkreuzkampfstoff) und Mineralsäuren. 21p. 8° Königsb., 1934.

Barre, C. [Military importance of dichlordiethylsulphide mustard gas, its effect on the skin, and various properties] Tskr. mil. hälsov., 1936, **61**: 97–113.—**Bialosuknia, W., & Jastrzębski, D.** [Effect of yperite on microorganisms] Lek. wojsk., 1935, **26**: 437–47.—**Cullumbine, H.** The mode of penetration of the skin by mustard gas. Brit. J. Derm. Syph., 1946, **58**: 291–4, 3 pl.—**Dörffel, I., & Pöpping.** Tierexperimentelle Untersuchungen über die Veränderungen der Haut nach Aetzung mit Dichlordiäthylsulfid (Gelbkreuz) und Mineralsäuren. Virchows Arch., 1935, **295**: 1–20.—**Ferri, G.** Ricerche sulla sensibilità individuale della cute umana all'iprite e sopra alcuni fattori capaci di modificarla. Gior. med. mil., 1937, **85**: 919–33.—**Gordonoff, T.** Beitrag zur Toxikologie des Dichlordiäthylsulfids. Schweiz. med. Wschr., 1941, **71**: 446–8.—**Grżebin, Z., & Matuskov, S.** [Sensibility to yperite] Voen. san. delo, 1931, **2**: 25–33.—**Hanzlik, P. J., & Tarr, J.** The comparative skin irritant properties of dichlorethylsulphide (mustard gas) and other agents. J. Pharm. Exp. Ther., 1919–20, **14**: 221–8.—**Hasskó, A., & Fülöp, L.** Beiträge zum Wirkungsmechanismus des Senfgases. Arch. wiss. prakt. Tierh., 1938, **73**: 409–13.—**Jankowski, M.** [Yperite chemical gas and its operation] Lek. wojsk., 1926, **7**: 44–54.—**Kabelik, J.** [Certain experiments with dichlordiethylsulphide and cyanic acid] Voj. zdrav. listy, 1937, **13**: 142–7.—**Kuchárik, J., & Telbisz, A.** Die Bedeutung der Senfgasoxydationsprodukte im Wirkungsmechanismus des Senfgases. Wien. Arch. inn. Med., 1940–41, **34**: 345–59. Also Bull. War. M., Lond., 1941–42, **2**: 227 (Abstr.) ——— Beiträge zu dem Wirkungsmechanismus des Senfgases. Wien. Arch. inn. Med., 1940–41, **34**: 86–95. ——— A mustárgáz és a glutathion hatása paramaecium kísérletekben. Magy. orv. arch., 1941, **42**: 376. ——— A mellékvese szerepe a mustárgáz kórtanában és gyógykezelésében. Orvostud. közl., 1944, **5**: 153–5. ——— Le rôle du glutathion dans l'empoisonnement par le gaz ypérite. Arch. internat. pharm. dyn., Gand, 1947–48, **75**: 157–61. ——— **& Mészáros, A.** Az idegrendszer vizsgálata mustárgáz sérülésben. Orvostud. közl., 1942, **3**: 673–5, pl.—**Lillie, R. S., Clowes, G. H. A., & Chambers, R.** Preliminary report of experiments on the action of dichloroethylsulfide (mustard gas) on the cells of marine organisms. Science, 1919, n. ser., **49**: 382–5.—**Lisicyn, M. S., & Zvirbul, O. D.** [Experimental study of wounds of joints and extremities in relation to yperite] Voen. med. J., Moskva, 1931, **2**: 516.—**Lunghetti, B.** Contributo allo studio delle alterazioni anatomiche da gas di guerra, con speciale riguardo all'yprite. Gior. med. mil., 1926, **74**: 97–109.—**Mace, D. L.** Mustard gas in warfare. J. Am. Vet. M. Ass., 1942, **100**: 118.—**Maier, G.** Experimentelle Untersuchungen zur Frage der Allgemein-Schädigungen durch Dichlordiäthylsulfid (Gelbkreuzkampfstoff) Zschr. ges. exp. Med., 1938, **103**: 458–78.—**Matumoto, K.** Doku-gas sima no dobutu-sō to sono syōtyō [The appearance of and changes in the animals on an island near poison-gas (lewisite, yperite) factories] J. Hirosima M. Ass., 1948, **1**: 14–8.—**Mitscherlich, A., & Mielke, F.** Experiments with sulfonamide, bone-grafting, cellulitis, and mustard gas. In their Doctors of Infamy, N. Y., 1949, 55–80.—**Pickard, H. L.** Ocular action of dichlorethylsulphid (mustard gas) Am. J. Ophth., 1919, ser. 3, **2**: 136.—**Sommer.** Spätschäden der Augen nach Dichlordiäthylsulfidverätzung. Deut. Militärarzt, 1938, **3**: 519–21.—**Weidner, H.** Beiträge zu Untersuchungen über Resorptivwirkung des Dichlordiäthylsulfids (Gelbkreuzkampfstoff) Ibid., 1937, **2**: 247–51.

MUTILATION.

See also **Injury**, Psychological aspect; also **Disability; Disabled.**

Aperlo, G. Pro mutilandi prima; poi pro mutilati. Clin. chir., Milano, 1916, **24**: 753–5.—**Arnal, A. E.** Appareillage des mutilés de guerre. P. verb. Congr. fr. chir., 1922, **31**: 1004.—**Avdeev, M.** Chlenovreditelstvo. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1002–4.—**Cornillon, A.** Los problemas de la post guerra; reeducación funcional y profesional de los mutilados. Gac. méd. mil., Méx., 1934–35, n. ser. **2**: 219–32, 2 pl.—**Fiaschi, T.** Relazione sui mutilati ed evirati della battaglia di Adua (1896) Terapia, Milano, 1937, **27**: 65–72.—**Flemming, E.** Comment les invalides de la guerre et les victimes d'accidents, même mutilés peuvent améliorer leur sort. Avenir méd., Lyon, 1916, **13**: 199–206, illust.—**Intorno** alle mutilazioni in tempo di guerra. Gazz. med. lombarda, 1916, **75**: 241–4.

—— Self-mutilation.

Baeyer, W. v. Psychiatrische Begutachtung bei Selbstverstümmelungen und Wachvergehen. Ber. Arbeitstag. berat. Aerzte, 1944, **4**: 136–8. Also Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 152–4.—**Mayer.** Chem.-techn. Untersuchungen zum Nachweis von Selbstverstümmelungen. Ber. Arbeitstag. berat. Aerzte, 1944, **4**: 134. Also Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 149; Disc., 150.—**Molinari, Z.** Simulazione ed autolesionismo in pace e in guerra. Gior. med. mil., 1949, **96**: 195–210.—**Mueller.** Selbstverstümmelungen. Ber. Arbeitstag. berat. Aerzte, 1944, **4**: 132–4. Also Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3,

147; Disc., 150. ——— Self-inflicted mutilation by gunshot and other mechanical influence. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 220.—**Panning.** The problem of self-inflicted injuries. Ibid., 222.

MUTISM.

See also **Hysteria; War neurosis.**

Brunetti, F., & Giaculli, L. Mutismi di guerra e loro cura. Gazz. osp., 1919, **40:** 129.—**Edelstein, A.** [Report on the activity of the laboratory of clinical psychology of the neurosurgical clinic at the base hospital Kisegach; Department of restoration of speech] Nevropat. psikhiat., 1942, **11:** No. 5, 52–61.—**McLaughlin, J.** Loss of speech and shell-shock. Lancet, Lond., 1916, **1:** 212.—**Natier, M.** Hysterical mutism caused by shell explosion. Tr. Am. Laryng. Ass., 1915, **37:** 318–22.—**Radicchi, M.** Due casi di mutismo di guerra. Atti Accad. fisiocr. Siena, 1943, **11:** 36–9.

MYALGIA.

Akel, R. N. Epidemic pleurodynia; report of an outbreak at an R. N. Z. A. F. station in Marlborough. N. Zealand M. J., 1944, **43:** 289–91.—**Best, T. A.** Novocain injections for myalgia. J. R. Nav. M. Serv., 1942, **28:** 47–50.—**Birt, C. H.** Two cases of Bornholm's disease. Ibid., 1949, **35:** 111.—**Good, M.** Five hundred cases of myalgia in the British Army. Ann. Rheumat. Dis., Lond., 1942–43, **3:** 118–38. Also J. R. Army M. Corps, 1943, **80:** 237–50.—**McDaniel, W. S.** Epidemic diaphragmatic pleurodynia; an outbreak. U. S. Nav. M. Bull., 1944, **43:** 664.—**Roche, J., & Smiddy, F. G.** Epidemic pleuritic pain; a review of 17 cases in a military camp, India command. Brit. M. J., 1946, **2:** 157.—**Ronald, J.** Bornholm disease. J. R. Nav. M. Serv., 1942, **28:** 144–9.—**Slauck, A.** Versorgung der Soldaten mit Arthritiden, Myalgien und Neuralgien. Zschr. ärztl. Fortbild., 1941, **38:** 421; 453.

MYANESIN.

McNamara, B. P., Stabile, D. E. [et al.] Myanesin in the treatment of poisoning produced by DFP. 5p. 26½cm. Army Chem. Cent., 1949.

Forms No. 222, Rep. Med. Div. Chem. Corps U. S. Army.

Macar, J. Essai sur la myanésine. Ann. belg. méd. mil., 1949, **102:** 29–40.—**Turnbull, T. A.** Myanesin. J. R. Nav. M. Serv., 1947, **33:** 41.

MYASTHENIA.

Dumas, A. G. Asthenic bulbar paralysis; myasthenia gravis or pseudoparalytica of Erb and Goldflam; report of a case. U. S. Veterans Bur. M. Bull., 1926, **2:** 940–7.—**Glasser, J.** A case of myasthenia gravis; alternating use of prostigmine and ephedrine sulfate. Med. Bull. Veterans Admin., 1942–43, **19:** 450–2.—**Lyburn, R. St J.** A case of myasthenia gravis. J. R. Army M. Corps, 1940, **74:** 100–2.—**Nattkemper, R. L.** Myasthenia gravis; with case report. U. S. Nav. M. Bull., 1940, **38:** 387–91.—**Peer, G. F., & Farinacci, C. J.** Report of a case of myasthenia gravis associated with thymoma. Mil. Surgeon, 1938, **82:** 350–5.—**Rost, J.** Myasthenie und Wehrdienstbeschädigung. Deut. Militärarzt, 1943, **8:** 423–5.—**Shawver, J. R.** Myasthenia gravis; two cases, treated with prostigmin. Med. Bull. Veterans Admin., 1939–40, **16:** 79–81.—**Sorley, E. R.** A case of myasthenia gravis. J. R. Nav. M. Serv., 1938, **24:** 230–2.—**Terakado, M.** Kin muryoku-syō (Myasthenie) no iti rei [A case of myasthenia] Kaigun gun-ikai zassi, 1941, **30:** 458–68, pl.

MYCOLOGY.

See also **Dermatology.**

Ashford, B. K. The significance of mycology in tropical medicine. Mil. Surgeon, 1930, **67:** 143–50.—**Cooper, G. W.** Medical mycology. U. S. Nav. M. Bull., 1930, **28:** 312; 590; 745.

MYCOSIS.

See also **Dermatophytosis;** also under names of specific mycoses as **Epidermophytosis; Foot,** Mycosis, etc.; see also **Fungicide.**

Baker, R. D. Histopathology of the mycoses. 64p. 25cm. Wash., 1945.

Forms No. 9, Study Batch U. S. Army Inst. Path.

Darby, E. M. K. The development of an acceptable sodium propionate preparation for prophylaxis and treatment of fungus infections. 3 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-366, U. S. Nav. M. Res. Inst.

Andruzzi, A. Dermatomicosi ed onicomicosi da Mucor pusillus. Ann. med. nav., Roma, 1931, **37:** pt 1, 8–11, 5 pl.—**Archibald, R. G.** Notes on the case of No. 7560, Sergeant C. S., 1st battalion, the Suffolk Regiment [mycosis] J. R. Army M. Corps, 1915, **24:** 185–9, 2 pl.—**Bourgain, M., & Bazil, A.** Onychomycose à Favotrichophyton d'origine exotique; coexistence de deux jordanons de type Achorion. Rev. méd. nav., Par., 1948, **3:** 185–8.—**Capland, L.** Simplified treatment of fungus infection. Med. Bull. Medit. Theater U. S. 1945, **3:** 82.—**Cohlan, W. R.** Management of mycoses in the Southwest Pacific Area. Air Surgeon Bull., 1945, **2:** 104.—**Fraser, P. K.** The diagnosis of superficial ringworm infections. J. R. Nav. M. Serv., 1939, **25:** 130–42.—**Held, S.** Oberflächliche Pilzerkrankungen an Bord von Kriegsschiffen. Veröff. Marine San., 1943, H. 35, 89–123.—**James, A. P. R.** The fungi go to war. U. S. Nav. M. Bull., 1943, **41:** 1065–7.—**Keeney.** Treatment of fungous infections. Res. Program U. S. Army Med. Res. Bd, 1947, July, 41.—**Lahey, W. J., & Byrnes, J. E.** The copper ionization treatment of fungous infections. U. S. Nav. M. Bull., 1946, **46:** 554–7.—**McCarthy, E.** Powder packs for treatment of fungus. Hosp. Corps Q., 1946, **19:** No. 3, 13.—**Memmesheimer.** The prophylaxis and control of fungus diseases of the hands and feet. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 128.—**New** powder for fungus infections. Hosp. Corps Q., 1946, **19:** 3–8.—**Saltner, L.** Mykosen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 161–4.—**Smith, G.** Moulds and tropical warfare. Endeavour, Lond., 1946, **5:** 110–5.—**Ugarriza, R. G., & Peña, R.** Dos casos de micosis pocos frecuentes en el Paraguay. Rev. san. mil., Lima, 1936, **8:** 53–5.—**Warren, L. H.** The superficial mycoses. Army M. Bull., 1942, No. 61, 129–37. ——— The deep, or systemic, mycoses. Ibid., 138–46.—**Zaffiro, A.** Forma singolare di mycosi cutanea da Monosporium apiospermum a sviluppo clinicamente setticemico; considerazioni diagnostiche e deduzioni medico-legali. Gior. med. mil., 1938, **86:** 636–40.

MYELITIS.

See also **Spinal cord;** also **Paraplegia.**

United States. Army Service Forces. Ninth Service Command. Transverse myelitis conference held at Hammond General Hospital, Modesto, California, June 24–25, 1945 [94]p. 33cm. Modesto, 1945.

Galwey, W. R. A case of incomplete myelitis following upon an apparently trivial injury. J. R. Army M. Corps, 1911, **16:** 308.—**Grady, G. W.** Transverse myelitis. Med. Bull. Veterans Admin., 1934, **10:** 246.—**Gürol, N. H.** [Case of myelitis] Askerî sıhhiye mecmuası, 1937, **66:** 56–8.—**Hogan, B. W.** Acute myelitis; syndrome of occlusion of the anterior spinal artery at the first thoracic cord segment with softening of the cord. U. S. Nav. M. Bull., 1942, **40:** 175–8, pl.—**Laurès, G.** Deux cas de paralysie ascendante aiguë; maladie de Landry. Arch. méd. pharm. nav., 1918, **106:** 220–3.—**Müller-Kannberg.** Ein Todesfall an Landryscher Paralyse. Deut. mil. ärztl. Zschr., 1907, **36:** 538–43.—**Peake, H. G.** A case of post-vaccinal transverse myelitis. J. R. Army M. Corps, 1929, **53:** 443–5.

MYELOGRAPHY.

Halit, N. [Spinal iodipine injections] Askerî sıhhiye mecmuası, 1933, **62:** 15–8.—**Morison, H.** Myelography; some technical points. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 7, 18.

MYELOID leukemia.

See next heading.

MYELOMA [incl. myelosis]

See also **Hematology; Hematopoietic system.**

Babington, M. H. Notes on a case of a disease prevalent in Malta and known there as splenic leucocythaemia. J. R. Army M. Corps, 1909, **13:** 291–4.—**Briguglio, S.** Sulla mielosi aleucemica. Gior. med. mil., 1934, **82:** 364–70.—**Cox, T. E., & Ricen, E.** Acute myeloblastic leukemia; report of a case. U. S. Nav. M. Bull., 1935, **33:** 265–72, pl.—**Crone, R. I., & Ulrich, D. M.** Urethane in the treatment of chronic myelogenous leukemia. Bull. U. S. Army M. Dep., 1948, **8:** 636–40.—**Ferrabouc, L.** Un cas de myélome osseux diffus. Bull. Soc. méd. mil. fr., 1946, **40:** 80–3.—**Fitzsimmons, J. I.** Chronic myelogenous leukemia of tractable type. Med. Bull. Veterans Admin., 1939–40, **16:** 270.—**Godding, H. G., & Macfie, J. M.** A case of myelocytic leukaemia. J. R. Army M. Corps, 1928, **51:** 212–5, pl.—**Hatta, M.** Ninsin-zin kanzya ni Angina-yō syōzyō wo motte haturai-sesi kyū-sei kotuzui-sei (Promyelocyten-sei) hakketu-byō no iti rei [A case of myelogenous (promyelocytic) leukemia that developed with symptoms resembling those of angina in a patient suffering from pregnancy kidney] Kaigun gun-ikai zassi, 1941, **30:** 633–6.—**Lee, A. E.** A case of spleno-myelogenous leukæmia; death; autopsy. U. S. Nav. M. Bull., 1908, **2:** 46–9, 2 pl.—**Mondon & Duliscouet.** Sur un cas de leucémie myeloïde; réflexions cliniques et anatomopathologiques. Arch. méd. pharm. nav., 1930, **120:** 261–7.—**Ors, J. P. d'.** Leucemia mieloide crónica, tratada con uretanos; nota clínica médica. Med. & cir. guerra, 1949, **11:** 530–2.—

Roberts, F. J. Myeloid leukemia. Med. Bull. Veterans Admin., 1940–41, **17:** 186.—**Valenzuela, C.** La radioterapia en un caso de leucemia mieloide. Rev. san. mil., La Paz, 1939, **6:** 759–70.—**Veyssi.** Sur un cas de leucémie myéloïde passagèrement améliorée par une infection intercurrente. Bull. Soc. méd. mil. fr., 1934, **28:** 187–90.—**Wells, J. J.** Acute myelogenous aleukemic leukemia, which simulated agranulocytosis; report of a case. U. S. Nav. M. Bull., 1935, **33:** 527–30.

MYIASIS.

See also **Fly.**

Dobson, D. C. A case of myiasis. J. R. Nav. M. Serv., 1937, **23:** 74.—**Gayle, S., jr.** Myasis; two case reports. Mil. Surgeon, 1933, **72:** 225–7.—**Nicastro, A.** Le myiasi cutanee nell'uomo. Gior. med. mil., 1937, **85:** 522–31.—**Oprescu, A. C.** [Certain cases of gastrophilous myiasis on the cheeks of the horse] Rev. vet. mil., Bucur., 1938, **11:** 255–9.—**Sutton, E. A.** A case of myiasis of the temporal bone. J. R. Army M. Corps, 1926, **47:** 61–3.—**Williams, T. H.** Some fly larvae parasitic in man with particular reference to Manitoba. Treatm. Serv. Bull., Ottawa, 1949, **4:** No. 6, 36–8.

MYOCARDIUM.

See under **Heart.**

MYOCLONUS.

Bojno-Rodzević, G. Mioklonija. Voen. med. J., S. Peterb., 1900, **78:** Med. spec. pt, 1789–801.—**Hodgkins, J. R.** Clonic muscular spasm. J. R. Army Vet. Corps, 1943–44, **15:** 66.—**Noica, D., Aramă, O., & Lupulescu, I. I.** [Striated optic tissue in the facio-linguo-laryngo-velo-palatine syndrome in hemimyoclonia of the left extremities] Rev. san. mil., Bucur., 1932, **31:** 259–62.

MYOGRAPHY.

See under **Musculoskeletal system,** Examination.

MYOPATHY.

See also **Musculoskeletal system,** Disease.

THORNER, M. W. A proposed revision of the neuropsychiatric standards of AR 40–110; muscle atrophy. 4p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 150, U. S. Air Force School Aviat. M.

Blalock, T. T. Progressive muscular dystrophy; report of a case. U. S. Nav. M. Bull., 1944, **43:** 129–32.—**Fischer, E.** Changes in proteins and enzyme activities during muscular atrophy. Q. Project Summary Off. Nav. Res., 1948, July, 315.—**Howser, J. P.** Pseudo-hypertrophic myopathy in a Negro adult. Med. Bull. Veterans Admin., 1943–44, **20:** 97.—**O'Meara, P. J.** Observations on 2 brothers with peroneal muscular atrophy. J. R. Nav. M. Serv., 1942, **28:** 188–92.—**Pommé, R., Lassale, J.** [et al.] Myopathie atrophique à début tardif et d'évolution subaiguë. Bull. Soc. méd. mil. fr., 1937, **31:** 294–8.

MYOPIA.

See also **Vision,** Refraction.

Bolotte, M., & Lanet, A. J. F. E. Myopie transitoire. Rev. Serv. san. mil., Par., 1936, **105:** 707–20.—**Carreras Matas, B.** Problemas que plantea la valoración de la miopía desde el punto de vista del servicio militar. Rev. españ. med. cir. guerra, 1942, No. 45, 292–9.—**Constantinescu, I.** Câteva consideraţiuni asupra miopiei şcolare. Rev. san. mil., Bucur., 1936, **35:** 371–3.—**Cosserat.** Trois cas de myopie traumatique. Bull. Soc. méd. mil. fr., 1938, **32:** 526–9.—**Elschnig, A.** Felddiensttauglichkeit nach Myopieoperation und bei Myopie. Med. Klin., Berl., 1916, **12:** 527.—**Hayden, R.** Development and prevention of myopia at the United States Naval Academy. Arch. Ophth., Chic., 1941, **25:** 539–47.—**Kawabata, H.** Kinsigan no ni-san no tōkei-teki kansatu [Statistische Beobachtung über die Myopie] Gun idan zassi, 1933, 1439–49.—**Oberhoff, K.** Der derzeitige Stand der Myopieforschung. Deut. Militärarzt, 1938, **3:** 514–9.—**Overweg.** Beitrag zu dem Vorkommen von Kurzsichtigkeit in der Armee und Einfluss derselben auf den militärischen Dienst, insbesondere auf das Schiessen. In: Festschr. z. 100jähr. Stift. Feier Med. chir. Friedrich Wilhelms Inst., Berl., 359–69.—**Rose, H. W., & Buettner, K.** Studies in night myopia. Q. Res. Rep. U. S. School Aviat. M., 1949, July, 10; Oct., 11.

MYOSITIS.

Chronic myositis. Statist. Navy M., 1948, **4:** No. 11, 11–3.—**Cockrell, B. A.** Primary suppurative myositis. Med. Bull. Veterans Admin., 1942–43, **19:** 171–7.—**Hulbert, K. F., & Gallagher, H. W.** Pyogenic infection as a complication of ischaemic necrosis of muscle; a report on three cases. J. R. Army M. Corps, 1946, **86:** 131–6.—**Manaira.** Miosite. Gior. med. mil., 1851–52, **1:** 36.—**Streptococcal** infection of muscle. Bull. Army M. Dep., Lond., 1943, No. 24, 5.

MYOSITIS ossificans.

Cackin, A. B. [Case of ossifying myositis of traumatic origin] Voen. med. J., Petrogr., 1915, **244:** Med. spec. pt, 547–51.—**Evans, P.** Note on a case of traumatic myositis ossificans. J. R. Army M. Corps, 1909, **12:** 76, pl.—**Fog, J.** [Myositis ossificans traumatica (Cavalleristy's knee)] Militaerlaegen, 1921, **27:** 9–14.—**Groskurth.** Fibrolysin bei Myositis ossificans. Deut. mil. ärztl. Zschr., 1908, **37:** 783.—**Hirukawa, Y., & Saitō, M.** Kyodai-naru kakotu wo yū-suru migi gaikokin, tyūkan-kokin no gaisyō-sei kakotu-sei kin-en no iti syōrei ni tuite [A case of traumatic, myositis ossificans of MM. vastus lateralis and vastus intermedius with a great amount of ossification] Kaigun gun-ikai zassi, 1943, **32:** 70–2, pl.—**Holmes, J. McA.** Myositis ossificans. J. R. Nav. M. Serv., 1924, **10:** 295.—**Howard, C.** Traumatic ossifying myositis. U. S. Nav. M. Bull., 1946, **46:** 724–30.—**Lindenberg, V. R.** Slučaj myositis ossificans traumatica. Voen. med. J., S. Peterb., 1914, **239:** Med. spec. pt, 31–3.—**Nicolai.** Zur Aetiologie und Therapie der Muskelverknöcherungen. Deut. mil. ärztl. Zschr., 1907, **36:** 785–95.—**Poper, P. G.** Myositis ossificans circumscripta traumatica. Voen. med. J., Petrogr., 1914, **241:** Med. spec. pt, 317–42.—**Popov, N.** K voprosu o proiskhoždenii kavalerijskikh bljašek. Ibid., 1913, **236:** Med. spec. pt, 380–5.—**Praag, S. W.** Spierverbeening (myositis ossificans circumscripta) Mil. geneesk. tschr., 1911, **15:** 113–29.—**Schöppler, H.** Ein Beitrag zur Kasuistik der Myositis ossificans traumatica. Militärarzt, 1908, **42:** 369–72.—**Schumann.** Ein Fall von Myositis ossificans. Deut. mil. ärztl. Zschr., 1906, **35:** 534–8.—**Volpi, J. P.** Miositis osificante traumática. Rev. san. mil., B. Air., 1943, **42:** 913–6.

MYOTONIA.

Boshes, L. D., Terry, W. S., & Jessup, R. Dystrophia myotonica (myotonia atrophica) with report of a case. U. S. Nav. M. Bull., 1946, **46:** 1865–78.—**Carrot.** A propos d'une observation de myotonie atrophique. Bull. Soc. méd. mil. fr., 1936, **30:** 221–6.—**Cochois.** Maladie de Thomsen. Ibid., 1927, **21:** 140.—**Denenholz, E. J., & Blum, M.** Myotonia congenita. Mil. Surgeon, 1945, **97:** 126–32.—**Donald, R. A.** Dystrophia myotonica. U. S. Nav. M. Bull., 1945, **45:** 733–6.—**Erps, B.** Myotonia atrophica; report of four cases, three in one family. Med. Bull. Veterans Admin., 1938–39, **15:** 69–72.—**Jakovlev, G. B.** Myotonia congenita. Voen. med. J., S. Peterb., 1913, **236:** Med. spec. pt, 386–95.—**Martelli, F.** Miotonia congenita o malattia di Thomsen; contributo casistico. Gior. med. mil., 1941, **89:** 690–5.—**Parsons, W.** A case of myotonia congenita. J. R. Army M. Corps, 1934, **62:** 362.

MYXEDEMA.

See also **Thyroid,** Disease.

Fribourg-Blanc, A., Lapeyre, A., & Grau, M. Syndrome de Claude Bernard-Horner au cours d'un myxoedème spontané de l'adulte. Bull. Soc. méd. mil. fr., 1936, **30:** 381–6.—**Magruder, C. L.** Myxedema. U. S. Veterans Bur. M. Bull., 1928, **4:** 1048.—**Welty, D. M.** The pituitary type of myxedema. Med. Bull. Veterans Admin., 1944–45, **21:** 89–91.

NAGASAKI.

See under **World War II.**

NAGA sore.

See also **Tropical ulcer;** also **Desert sore.**

Ayrey, F. Peripheral neuritis and naga sore. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 65–8.—**Basu, A. K.** Endemic tropical ulcers (naga sores) among the coolie recruits in jungles of Assam. J. Ind. M. Ass., 1942–43, **12:** 161–5.

NAIL.

See also **Paronychia.**

Hamrick, W. H. Suture of the fingernail in crushing injuries. U. S. Nav. M. Bull., 1946, **46:** 225–8.—**Schwab, W. J., & Foley, F. A.** Simple treatment for hemorrhage into the nail bed. Ibid., 1944, **43:** 371.—**Stubenbord, J. G., III.** Leukonychia totalis; review and report of a case. Ibid., 1949, **49:** 710–2.—**Toegel.** Benzolschädigung der Nägel bei einem Kraftfahrer. Deut. Militärarzt, 1937, **2:** 69–71.

—— ingrown.

Bennett, L. C. Radical operation with plastic closure, for cure of ingrowing nails. Mil. Surgeon, 1944, **94:** 361–4.—**Di Primio, F.** Semplificazione nell'operazione radicale per l'unghia incarnita. Gior. med. mil., 1947, **94:** 313.—**Gaisinsky, B. E.** Lečenie vrosšikh nogtej. Voen. san. delo, 1941, No. 5, 78–82.—**Gist, W. L.** Improved operation for ingrowing toenail. Mil. Surgeon, 1948, **102:** 381.—**Manson, W. W.** Ingrown toenail; a simplified operative treatment. U. S. Nav. M. Bull., 1946, **46:** 1090–9.—**Parsons, H. H.** Ingrowing nail. Mil. Surgeon, 1942, **91:** 691.

NAIL biting.

Hill, J. M. Nail biting; incidence, allied personality traits and military significance. Am. J. Psychiat., 1946–47, **103**: 185–7.

NAILING.

For technic of bone nailing see under **Surgical technic.**

NAPHTHA [& derivatives]

Bartošević, S. T. O dezinfekcionnykh svojstvakh neftjanykh produktov i o polućenii iz nikh novoj obezzaraživajušćej smesi. Voen. med. J., S. Peterb., 1892, **174**: Unoffic. pt, 3. sect., 246–53.—**Contino, F.** Lesioni oculari da nafta. Ann. med. nav., Roma, 1943, **49**: 343–6.—**Neviadomsky, M. M.** Lećebnoe značenie naftalanskoj nefti. Voen. med. J., Moskva, 1945, No. 7, 57.—**Zhitnjuk, I. D.** [Naphthalan in surgery] Ibid., 1933, **4**: 246–52.

NAPHTHOL [& derivatives]

Pijoan, M., Jachowski, L. A. [et al.] The oxidation of 1, 2, 3, 4 tetrahydro beta naphthol in relation to mosquito repellent action. 8p. 26½cm. Bethesda, 1945.

Forms Rep. No. 5, Res. Proj. X–168, U. S. Nav. M. Res. Inst.

Maximović, I. I. Antiseptićeskija svojstva naftolov. Voen. med. J., S. Peterb., 1892, **173**: Unoffic. pt, 3. sect., 139–42.—**Vertogradov, S. P.** K toxikologii kamfornogo naftola. Izv. Imp. Voen. med. akad., S. Peterb., 1910, **20**: 39; passim.

NAPOLEONIC wars (1800–1815)

See under **Wars and campaigns.**

NARCOANALYSIS.

See also **Psychoanalysis; Neurosis,** Treatment; **War neurosis,** Treatment.

Brewster, H. H. The use of ether in the narcoanalysis of patients with war neuroses. N. England J. M., 1946, **235**: 357–9. **Burns, C.** Narco-analysis in treatment of war neuroses. Brit. M. J., 1942, **2**: 295.—**Clegg, J. L.** Narco-analysis in treatment of war neuroses. Ibid., 140.—**Larivière, P.** La narco-analyse et les névroses de guerre. J. Hôtel Dieu Montréal, 1945, **14**: 367–74.—**Ollivier, H.** Intérêt médico-légal de la narco-analyse psycho-somatique en milieu militaire. Ann. méd. lég., 1947, 154.—**Tatarelli, G.** Narcoanalisi e narcosuggestione. Ann. med. nav., Roma, 1946, **51**: 333–6.—**Ventura, V. E.** Un nuovo metodo di indagine e terapia delle psiconevrosi, la narcoanalisi. Gior. med. mil., 1949, **96**: 138–53.—**Wilde, J. F.** Narco-analysis in the treatment of war neuroses. Brit. M. J., 1942, **2**: 4–7. ——— Narco-analysis for war neuroses. Ibid., 467.

NARCOLEPSY.

See also **Fatigue; War neurosis.**

Alfano, V. Sopra un caso di narcolessia apparentemente essenziale. Ann. med. nav., Roma, 1936, **42**: pt 2, 140–50.—**Baxley, H. W.** Narcolepsy. Med. Bull. Veterans Admin., 1935, **12**: 143–8.—**Cassidy, F. C.** Narcolepsy as a manifestation of pituitary dysfunction. Ibid., 1939–40, **16**: 88.—**Cozby, H. O.** Narcolepsy with report of three cases. U. S. Nav. M. Bull., 1936, **34**: 471–8.—**Critchley, MacD.** Disorders of nocturnal sleep in narcoleptics. J. R. Nav. M. Serv., 1940, **26**: 238–48.—**Crouch, E. L.** Narcolepsy. U. S. Veterans Bur. M. Bull., 1930, **6**: 371–7.—**Fabing, H. D.** Narcolepsy; combat experience of a soldier with narcolepsy. Arch. Neur. Psychiat., Chic., 1945, **54**: 367–71.—**Levin, M.** Military aspects of narcolepsy, with remarks on the pathogenesis of narcolepsy and on fatigue. J. Neur. Psychopath., Lond., 1933, **14**: 124–31. ——— Military aspects of narcolepsy. War Med., Chic., 1944, **6**: 162–5.—**Modlin, H. C.** Military aspects of narcolepsy. Mil. Surgeon, 1946, **98**: 329–37.—**Rončevsky, S. P.** Narkoleptićeskie sostojanija i ikh značenie v voenno-vraćebnoj praktike. Voen. med. J., Moskva, 1931, **2**: 173–9.—**Thiele, R.** Ueber Narkolepsie und ihre wehrmedizinische Bedeutung. Deut. Militärarzt, 1941, **6**: 466–9.

NARCOSYNTHESIS.

See also **Narcoanalysis; Psychotherapy; War neurosis,** Treatment.

Burger, K. Narco-synthesis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 1, 10–2.—**Duval, A. M.** Narco-synthesis and hypnotism. Virginia M. Month., 1945, **72**: 101–7.—**Grinker, R. R.** The use of narcosynthesis in war neurosis. In: Psychoanal. Ther. (Alexander, F.) N. Y., 1946, 325–37. ——— & **Spiegel, J. P.** Narcosynthesis; a psychotherapeutic method for acute war neuroses. Air Surgeon Bull., 1944, **1**: No. 2, 1–6.—**Wolfe, B., & Rosenthal, R.** Narco-synthesis; wartime and peacetime therapy. In their Hypnotism, Indianap., 1948, 142–61.

NARCOTIC.

See also **Drug addiction; Drug supply;** also **Morphine; Morphinism; Opium,** etc.

United States. Veterans Administration. Technical bulletin TB 10A–57: Certification of civilians and physicians to Collectors of Internal Revenue, under Treasury Department Narcotics regulations 5, section 1, article 93 [1]p. 27cm. Wash., 1947. Also Change 1, 1948.

——— Technical bulletin TB 10A–183: Maintenance of VA Form 10–2638, Alcoholics and Narcotics Record [1]p. 27cm. Wash., 1949.

Basch, W. E. R. Narcotics. Surgeon Circ. M. Sect. Far East Command, 1950, **5**: No. 3, 12.—**Marston, A. D.** Basal narcotics in war surgery. Med. Press & Circ., Lond., 1942, **208**: 392–5.—**P., W. K.** The use and misuse of narcotic drugs. Hosp. Corps Q., 1944, **17**: No. 4, 27–30.—**Peart, H. F.** Concerning narcotic regulations for physicians entering military service. California West. M., 1942, **57**: 166.—**Professional** use of narcotics by medical officers. J. Am. M. Ass., 1943, **121**: 136.—**Refik Yetkin** [Certain dangers due to narcotics] Askerl tibbi baytari mecmuası, 1937, **14**: 352–68.—**Verordnung** über den Verkehr und Betäubungsmitteln in der Armee. Schweiz. Apoth. Ztg, 1930, **68**: 534–6.

NARVIK.

See under **World War II.**

NASAL fossa.

See also **Nose.**

Harmer, S. F. On a leech removed from the nasal cavity of a soldier from the Dardanelles. J. R. Nav. M. Serv., 1916, **2**: 34–6.—**Hōzyō, K.** Ryōsoku bikō ni matagareru kesseki ni tuite [A concretion in the nasal cavity] Gun idan zassi, 1928, 1071–5, pl.—**Novelli, D.** I proiettili di guerra nelle fosse nasali e cavità accessorie. Boll. mal. orecchio, 1943, **61**: 23–30.—**Pautov, N.** Pridatoćnye polosti nosa. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 856–62.—**Steinman, K. B.** Slućaj fibromy nosovoj polosti. Voen. med. J., S. Peterb., 1910, **229**: Med. spec. pt, 225–7.

NASAL septum.

See also **Nose.**

Marsh, A. B. Hæmatoma of the nasal septum. J. R. Nav. M. Serv., 1923, **9**: 150.—**Nicholson, C. B.** Sequela of submucus resection. Ibid., 1937, **23**: 79.—**Sasaki, M.** Bi-tyūkaku wankyoku-syō no hikōsi ni oyobosu syōgai ni tuite [Difficulties of airplane pilots with curvature of the nasal septum (deviatio septi nasi)] Nippon rinsyo, 1943, **1**: 362–5.—**Schutter, H. W.** Submuqueuse resectie van het neus-tusschenschot volgens Krieg. Ned. tschr. geneesk., 1906, **2**: 302.—**Vojaček, V.** Tridcat slućaev iskrivlenija nosovoj peregorodki, operirovannykh submukozno po različnym sposobam. Izv. Imp. Voen. med. akad., S. Peterb., 1907, **14**: 138–56.

NASAL sinus.

See also **Maxillary sinus; Nose.**

Bullwinkel, H. G. The nasal accessory sinuses and aviation medicine. Mil. Surgeon, 1942, **91**: 522–8. ——— The flyer's sinus. What's New, North Chic., 1943, No. 68, 10 (Abstr.)—**Fort, W. A.** Roentgenography of the nasal accessory sinuses; a simple device producing accurate exposures with standard equipment. U. S. Nav. M. Bull., 1933, **31**: 289–93, 3 pl.

——— Disease.

Detwiler, D. W. Para-nasal sinus diseases and the dry southwest. U. S. Veterans Bur. M. Bull., 1928, **4**: 929–31.—**Dobrzanski, A.** [Affections of the nasal sinuses and balneotherapy] Lek. wojsk., 1934, **24**: 124–39.—**Herrmann, A.** Ueber Schleimhautablösungen und Hämatome in den Nasennebenhöhlen bei Fliegern. Zschr. Hals &c. Heilk., 1940–41, **47**: 103–10.—**Malone, J. T.** The rôle of the accessory sinuses in nontuberculous pulmonary infections; the problem of diagnosis and compensation. U. S. Veterans Bur. M. Bull., 1927, **3**: 867–71.—**Schultz, B.** Die Nebenhöhlenerkrankungen der Nase und ihre Beurteilung bei Kriegsbeschädigten. Aerztl. Mschr., 1928, 262; 298.—**Silva Rebello, A. da.** Mucocele frontal. Arq. brasil. med. nav., 1947, **8**: 1211–20, 5 pl.—**Villiers, R. de.** Extirpación de un osteoma del seno frontal. Rev. san. mil., Habana, 1943, **7**: 147–57.

—— Inflammation.

Bateman, G. H. The effect of sinusitis on flying personnel. J. Lar. Otol., Lond., 1945, **60:** 110–20, 5 pl.—**Bellelli, C.** Le sinusiti in rapporto all'età. Gior. med. mil., 1934, **82:** 950–61.—**Birdsall, S. E.** The treatment of sinusitis in recruits. Med. Press & Circ., Lond., 1942, **208:** 153–5.—**Borasi, G.** Pansinusite purulenta con osteomielite del frontale. Gior. med. mil., 1948, **95:** 500–2.—**Brătescu, V., & Racoveanu, V.** [Toxic chronic oedema of the face due to bilateral pansinusitis] Rev. san. mil., Bucur., 1932, **31:** 323–5.—**Buck, R. C.** Sinusitis complicating pulmonary disease, with report of cases. U. S. Veterans Bur. M. Bull., 1930, **6:** 19–23.—**Cox, W. C.** Autogenous vaccines in the treatment of chronic sinus infections and nasal allergy. Mil. Surgeon, 1933, **73:** 121; 1934, **75:** 317.—**DeGroot, A., & Melvin, G. M.** The treatment of chronic sinusitis by silver ion transfer; a preliminary report. Med. Bull. Veterans Admin., 1942–43, **19:** 433.—**Fox, F. G.** Acute rhinitis and sinusitis; suction displacement treatment with vegetable oils. Mil. Surgeon, 1944, **95:** 56–8.—**Harbert, F.** A review of the relation between sinusitis and pulmonary disease. U. S. Nav. M. Bull., 1936, **34:** 52–64.—**Hutchinson, C. A.** An example of fulminating intracranial pyogenic infection, the result of spread from infected paranasal cavities. J. R. Army M. Corps, 1936, **66:** 115–7.—**Lebedevsky, B. N.** Travmatićeskij highmoritis. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 29–31.—**Nelson, O. N.** Management of sinusitis. Med. Bull. Veterans Admin., 1938–39, **15:** 167–71.—**Pinto Fernandes, A.** Pan-sinusite aguda; abcesso subdural; meningo-encefalite; morte. Arq. brasil. med. nav., 1943, **4:** 292–4.—**Rey & Lapeyre, A.** La mort subite au cours de sinusites. Bull. Soc. méd. mil. fr., 1936, **30:** 162–8.—**Schweinitz, G. E. de.** Ocular complications in accessory sinus infections. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11:** pt 2, 579.—**Sinusitis** as a cause of headache. Bull. Army M. Dep., Lond., 1944, No. 37, 6–8.—**Soraluce, J.** Cura radical de la sinusitis etmoido-maxilar crónica. Med. & cir. guerra, 1947, **9:** 495–501.—**Tilley, H.** Headache and pain in inflammation of nasal sinuses. Brit. M. J., 1933, **1:** 549–51.—**Wickstrom, O. W., & Hebble, H. M.** Acute suppurative ethmoiditis with orbital abscess and septicemia treated with penicillin. U. S. Nav. M. Bull., 1944, **42:** 1379.

—— Injury.

See also **Head injury** (and subheadings) **Maxillary sinus; Nose,** Injury; **Surgical technic,** Nose.

Unterberger, S. Die direkten Kriegsverletzungen des Nasennebenhöhlen-Ohrgebietes und ihre Behandlung. p.454–523. 24½cm. Wien, 1944.

In: Kriegschirurgie (Zimmer, A.) Bd 1.

Bari, A. A. [Gunshot wounds of the paranasal sinus and their treatment at Army stations] Vest. otorinolar., 1945, No. 3, 8–11.—**Canfield, N.** Primary war injuries involving the nose and sinuses. Proc. R. Soc. M., Lond., 1944–45, **38:** 627.—**Fendel, H.** Ueberblick über die Kriegsverletzungen der Nasennebenhöhlen und ihre Therapie. Internat. Zbl. Ohrenh., 1919–20, **17:** 1; 33.—**Greifenstein, A.** Kriegsverletzungen der Nasennebenhöhlen und Gehörorgane. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 202–38.—**Lumsden, R. B.** War wounds and injuries involving the paranasal air sinuses. Edinburgh M. J., 1945, **52:** 402–11.— **Sobol, I. M.** [Clinical aspect of war wounds of the accessory sinuses of the nose and their treatment] Vest. oft., 1943, **22:** No. 3, 28–32.

—— in animals.

Marcenac. Traitement chirurgical des empyèmes sinusiens chez le cheval. Rev. vét. mil., Par., 1932, **16:** 71–82, 5 diag.—**Smith, D. F. G.** Carcinoma of the facial sinus. J. R. Army Vet. Corps, 1940–41, **12:** 32.

NASOPHARYNX.

See also **Nose; Pharynx; Tonsil.**

Barnum, E. N. Craniopharyngioma; report of a case. U. S. Nav. M. Bull., 1949, **49:** 560–6.—**Dosho, H.** [A cured case of fibroma occurring in nasopharyngeal cavity] Bull. Nav. M. Ass., Tokyo, 1941, **30:** 50–3, pl.—**Mirguet, C.** De la désinfection du rhino-pharynx et de ses cavités annexes. Arch. méd. pharm. nav., 1926, **116:** 131–5.—**Mizuno, B.** Ueber einen Fall der totalen Exstirpation vom Nasenrachenfibrom. Gun idan zassi, 1931, No. 218, 7.—**Mountjoy, P. S.** The reactions of the nasopharynx to heat, cold, and disease with some therapeutic considerations. J. Indiana M. Ass., 1944, **37:** 443–6.—**Obukhovsky, P. M.** K metodike ustranenija travmatićeskikh sraśćenij nosoglotki. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 63.—**Savornin, A. R., & Pierron, M. C. N. M.** La désinfection du rhino-pharynx en milieu régimentaire: expérience de l'armée française du Rhin. Arch. méd. pharm. mil., Par., 1930, **93:** 555–83.—**Steinman, K. B.** Slućaj mnożestvennoj fibromy nosoglotki. Voen. med. J., S. Peterb., 1912, **233:** Med. spec. pt, 302–6.—**Suhăteanu, C. S., & Panaitescu, G.** [Case of rhino-pharyngeal erysipelas] Rev. san. mil., Bucur., 1932, **31:** 461.—**Undric, V. F.** O diagnostike i udalenii inorodnykh tel pri slepykh ranenijakh nosoglotki. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 56–63.—**Villiers, R. de.** Tumor gigante de la naso-faringe; fibromixoma angiomatoso. Bol. Hosp. milit., Habana, 1948, **1:** 33–8.

—— Adenoid vegetation.

Grazzi, V. Le vegetazioni adenoidi specialmente in rapporto al servizio militare. Gior. med. mil., 1918, **66:** 387–96.—**Ramirez Santalo, A.** De algunas complicaciones de las vegetaciones adenoideas. Rev. san. mil., Madr., 1914, 3. ser., **4:** 195–201.

NATIONAL defense.

See also **Civilian defense; Defense; Nutrition; Preparedness; Public health; Science;** also such terms as **Dentistry**—in war; **Nurse,** National defense aspect; **Postwar planning; Tuberculosis,** National defense aspect, etc.

—— Defense area: Hygiene, medical care and sanitation.

See also **Industrial medicine; Munition worker,** Health care.

Brother, G. M. Health programs in defense areas in Indiana. Month. Bull. Bd Health Indiana, 1942, **45:** 112.—**Burkhardt, R. C.** Food sanitation problems in defense areas. J. M. Ass. Alabama, 1941–42, **11:** 371–4.—**Butz, D. W.** Health in a rural defense area; how public health nurses met the health problems created when 8,000 defense workers and their families moved into a rural county. Am. J. Nurs., 1942, **42:** 239–43.—**Challenge** (A) to federal, state and local health departments. N. England J. M., 1942, **226:** 312.—**Clark, D. A.** Health needs of war-production areas. Proc. Nat. Conf. Social Work, 1942, **69:** 210–5.—**Community** medical service. Mil. Surgeon, 1943, **92:** 337.—**Filipi, T. A.** Sanitation activities in defense areas. Nebraska M. J., 1942, **27:** 288.—**Green, W.** Sanitation problems acute in small cities and towns. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 16, 6422.—**Hospitalization** problems in a defense area, by a Sister of the Holy Cross. Hosp. Progr., 1942, **23:** 55.—**Jewett, R. E.** Public-health services in the Clark County defense area. Child, Wash., 1941–42, **6:** 290.—**Kimmey, J. M.** Adjusting the program of the county health department to problems presented in a defense area. Alabama Social Welf., 1942, **7:** No. 3, 7.—**Mahaney, A. I.** Nursing in a California defense area. Pub. Health Nurs., Utica, 1942, **34:** 157.—**McNutt, P. V.** Health and medical care needs in defense areas. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 11, 4340–78.—**Morton, A. R.** Health problems in national defence areas. Canad. Pub. Health J., 1943, **34:** 51–7.—**Parran, T.** Assignment of medical personnel. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 17, 6692.—**Roberts, K.** Health service centers in defense industrial areas. Proc. Nat. Conf. Social Work, 1941, **68:** 477–84.—**Rowsome, F. H.,** jr. Government lays plans to take over resettlement of M.· D.'s; government-financed medical care seen as possibility in war-production areas. Med. Econom., 1942–43, **20:** 44–8.—**Sanitation** problems in defense areas. Week. Bull. Oregon Bd Health, 1941, **19:** No. 31, 1–4.—**Stanley, C. M.** Water and sewerage design problems in a boomtown area. Engin. News Rec., 1942, **128:** 76–8; 548.—**Sullivan, E. C., & Wiley, J. S.** Sanitation activities in the Southeastern States in connection with national defense. Pub. Health Rep., Wash., 1942, **57:** 617–25.—**Williams, H.** Health problems in suddenly expanding industrial communities. Proc. Indust. Hyg. Found. America, 1942, 7. meet., 66–71.—**Zintek, A. R.** What a health department does in a defense area. Wisconsin Bd Health Q. Bull., 1942, **7:** No. 4, 7–12.

—— Educational problems.

United States. Office of Education. Education and National Defense Series, Pamphlet No. 22: Food for thought. 32p. 25½cm. Wash., 1941.

Brunton, T. L. National defence and physical education. In his Collect. Papers, Lond., 1893–1914, **2:** No. 52, 1–5.—**Cohen, S. A.** Children and adequate national defense. Mil. Surgeon, 1938, **82:** 355–8.—**Compton, K. T.** Some educational effects and implications of the defense program. Science, 1941, **94:** 368.—**Kleinschmidt, E. E.** The schools contribute to national defense. J. School Health, 1941, **11:** 293–304.—**Tatumi, M.** Kokubō-zyō yori mitaru gakudō tanren no igakuteki kōsatu [Medical observations on the training of school children from the point of view of national defense] Osaka igakkai zassi, 1943, **42:** 2100.

—— Medical aspect.

See also **Emergency medical service; Physician; Preparedness,** medical; also under names of

medical specialties; also subheading (Defense area: Hygiene, &c.)

Wilson, W. L. Medical aspects of government services in time of national emergency; with particular attention to certain Army problems. 10p. 27cm. Wash., 1948.

Abell, I. Medicine in the national defense program. Ann. Surg., 1941, **114**: 1–3. Also South. Surgeon, 1941, **10**: 225–33. Also Tr. South. Surg. Ass. (1940) 1941, **53**: 263–5.—**Buckman, L. T.** Contribution of medicine to national defense. Pennsylvania Health, 1942, **3**: No. 5, 6–9.—**Dentistry** and defense. Hosp. Topics, 1941, **19**: No. 6, 12.—**Diddle, J.** Responsibility of the medical profession in the national emergency. Southwest. M., 1941, **25**: 326–9.—**Eby, J. D.** National defense from the dental viewpoint. J. Am. Coll. Dentists, 1941, **8**: 9–13.—**Effect** (The) of the program of national defense on dental education. Proc. Am. Ass. Dent. Schools, 1941, **18**: 81–3.—**Ellis, W. J.** Health and welfare activities in the defense program. Hospitals, 1941, **15**: No. 8, 13–5.—**History** of expansion of medical activities during the present emergency. J. Am. M. Ass., 1941, **117**: 2078.—**Kopetzky, S. J.** Medical problems in the defense program. N. York State J. M., 1941, **41**: 2060–2.—**McGavin, D.** Medical arrangements in the emergency precautions scheme. N. Zealand M. J., 1941, **40**: 244–7.—**McIntire, R. T.** Medical problems peculiar to the Navy and national defense. J. Am. M. Ass., 1941, **117**: 184–6.—**Medicine** and our defense. Pacific Coast M., 1942, **9**: 1.—**Metcalfe, R. F.** The medical service in national defense. Mil. Surgeon, 1940, **87**: 514–6.—**Miterev, G. A.** [Further organization of sanitary defense of the country] Hig. & zdorov., 1942, **7**: No. 7, 7–11.—**Nakamura, Y., Takeda, K., & Takemura, B.** Gendai igaku no iti dōkō to kokubō igaku wo kataru [One trend of present-day medicine and medical science as a means of national defense: a symposium] Tōzai igaku, 1941, **8**: 425–34.—**Program** for national defense on health front presented. Science News Lett., 1940, **37**: 409.—**Russell, F. F.** Medicine and public health in our program of national defense. Mil. Surgeon, 1941, **89**: 609–15. Also Diplomate, 1942, **14**: 243–8.—**Walson, C. M.** Symposium on medical problems in national defense; from the viewpoint of the Army medical officer. N. York State J. M., 1941, **41**: 1147–55.—**Wilbur, R. L.** Medicine in national emergencies. J. Am. M. Ass., 1941, **116**: 1734. Also Proc. Congr. M. Educ., 1941, 59–61. Also Stanford M. Alumni Bull., 1941, **5**: 3–5.

NATIONAL Guard.

For British Home Guard see also **Militia.**

Blanding, A. H. Medical units in the National Guard. Mil. Surgeon, 1938, **83**: 193–5.—**Burroughs, T. P., & Frechette, A. L.** Cooperation of health agencies with Army authorities; in mobilization of a National Guard regiment. J. Am. M. Ass., 1940, **115**: 1459.—**Carter, H. P.** Inspectors guide for annual armory inspection of medical department units of the National Guard. Army M. Bull., 1938, **45**: 30–5. ——— Notes on field training of medical department units of the National Guard. Mil. Surgeon, 1939, **85**: 411–27.—**Haas, J.** A report on 4,158 National Guard induction examinations. Ibid., 1941, **89**: 790–5.—**Hammond, G. M.** Neurological and mental examination of state troops of the National Guard. N. York M. J., 1918, **107**: 764.—**Henkel, J. F.** Note on the service of the Michigan National Guard in the mobilization at Fort Benjamin Harrison, 1906. Mil. Surgeon, 1907, **21**: 137–9.—**Hollister, C. J.** With our militia at the border. Frater, Menasha, 1917–18, **17**: 47; 152; passim.—**McKinley.** Standards of physical examination for the National Guard. Mil. Surgeon, 1934, **74**: 312–5.—**Melton, H. R.** Additional field training of North Carolina National Guard, 105th Medical Regiment, November 26 to December 2. Ibid., 1940, **86**: 468–71.—**Miller, R. H.** Medical service in state guard organizations. Tr. N. England Surg. Soc., 1944, **25**: 185–93.—**National** Guard Camps. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **4**: 159–251.—**National** Guard medical officers on active duty. J. Am. M. Ass., 1941, **117**: 295; 371.—**Rotation** of National Guard and Reserve Medical Department officers. Ibid., **116**: 709.—**Salisbury, L. A.** History of the 102nd Medical Regiment, N. Y. N. G. Mil. Surgeon, 1938, **83**: 339–43.—**Slayden, W. M.** State Guard training. Mil. Rev., Fort Leavenw., 1942–43, **23**: No. 2, 5–7.—**Stahr, C. P.** The medical profession and the National Guard. Week. Roster, Phila., 1938–39, **34**: 629–31.—**Van Antwerp, L. D.** Medical service of the Connecticut State Guard. Connecticut M. J., 1942, **6**: 892.

NATIONAL health.

See **Health; Preparedness,** Fitness; **Public health.**

NATIONALISM.

See under **Militarism**; also **National socialism.**

NATIONAL Naval Medical Center.

See **Naval Medical Center.**

NATIONAL socialism.

See also **Militarism,** Totalitarianism; also **World War II,** Germany.

Andreas, W. Nationalsozialismus und Universität. Forsch. & Fortsch., 1933, **9**: 290–2.—**Gurland, A. R. L.** Technological trends and economic structure under National Socialism. Stud. Philos. & Social Sc., 1941, **9**: 226–63.—**Levy, D. M.** The German anti-Nazi; a case study. Am. J. Orthopsychiat., 1946, **16**: 507–15.—**Reiter, H.** Nationalsozialistische Revolution in Medizin und Gesundheitspolitik. Neues Volk, 1933, **1**: H. 4, 3–5.

NATIONAL War College.

See under **School.**

NAUSEA [incl. vomiting]

See also **Kinetosis; Seasickness**; also under names of its other causes.

Hugenot. Vomissements incoercibles par ascaridiose. Bull. Soc. méd. mil. fr., 1927, **21**: 127–9.—**Noble, R. L.** Studies of vomiting in experimental animals. Proc. Com. Army M. Res. (Canada) 1947, 10. meet., App. A, 1.—**Parker, J. M.** Laboratory and clinical toxicity trials of V–12. Proc. Com. Nav. M. Nat. Res. Counc. Canada, 1945, 4. meet., 135–42.—**Wolf, S.** Observations on the occurrence of nausea among combat soldiers. Gastroenterology, 1947, **8**: 15–8.

NAVAL ...

For references related to the naval forces see also **Navy**; also specific paragraphs under the following main headings: **Aeromedicine; Ambulance service; Aviator; Base; Blood transfusion service; Burns; Casualty; Dispensary; First aid; Fitness; Flight surgeon; Gas poisoning; Gas warfare; Hospital administration; Hospitalization; Hygiene; Malaria; Medical laboratory; Neuropsychiatry; Nursing; Nutrition service; Pharmacological service; Psychiatrist; Psychiatry; Recruit; Sanitation; School; Surgical unit; Tropical medicine; Veteran; War neurosis; Wound; Wounded**; also the subsequent main headings.

NAVAL Academy.

See under **School.**

NAVAL battle.

See **Battle,** naval; **Burns,** naval.

NAVAL hospital.

See **Hospital,** naval: also **Hospital report,** United States: Naval hospitals; also **Sickbay.**

NAVAL Medical Center (Bethesda)

See also **Hospital,** naval; **Navy medical service.**

Barrow, J., Herbert, C. M., & Shaw, C. C. The clinical contribution of a Veterans Administration out-patient department to the teaching program of a naval hospital in a medical center. Mil. Surgeon, 1949, **104**: 132–6.—**Behrens, C. F.** U. S. Naval Hospital, Washington, D. C. Week. Roster, Phila., 1941–42, **37**: 575.—**Commissioning** of National Naval Medical Center. Med. Ann. District of Columbia, 1942, **11**: 158–60, illust.—**Dedicated** to the Navy's health. Hosp. Topics, 1942, **20**: No. 9, 12–4.—**Fairhurst, J. O.** National Naval Medical Center. Johns Hopkins Nurs. Alumnae Mag., 1943, **42**: 17–20.—**Little, J. L.** The U. S. National Naval Medical Centre, Bethesda, Maryland. Canad. M. Ass. J., 1943, **49**: 49.—**National** Naval Medical Center. Hosp. Corps Q., 1943, **16**: No. 4, 219–23. Also In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 10, 1–92.—**National** Naval Medical Center, Bethesda, Maryland; bibliography. Ibid., 89–92.—**National** Naval Medical Center opens. Diplomate, 1942, **14**: 107, illust.—**Naval** (The) Medical Center. In: Manual M. Dep. U. S. Navy, Wash., 1942, 483–5.—**Naval** medicine centers here. Mod. Hosp., 1942, **59**: No. 3, 70.—**Navy** Medical Center. Mil. Surgeon, 1941, **88**: 70.—**Navy** Medical Center at Bethesda. J. Am. M. Ass., 1941, **116**: 2707.—**New** Commandant at Navy Medical Center. J. Am. M. Ass., 1941, **116**: 711.—**New** Naval Medical Center. Ibid., **117**: 2088.—**Oman, C. M.** The National Naval Medical Center. U. S. Nav. M. Bull., 1942, **40**: 253–6, 4 pl.—**Ransdell, R. C.** The United States naval hospital and medical school. N. York M. J., 1917, **105**: 817–21.—**Roddis, L. H.** The National Naval

Medical Center. Messenger, 1942, **39**: No. 3, 14–6.—**Shalett, S.** Citadel of Navy medicine; a close-up of the medical center situated in a Maryland meadow. Med. Econom., 1942–43, **20**: No. 9, 49; 140.

NAVAL Medical School.

See under **School.**

NAVAL medicine.

See also **Aeromedicine; Battleship,** Medical problems; **Journals,** Medicine: Navy; **Library,** Naval medicine; **Medical department of ship; Military medicine; Naval surgery; Surgery;** also the subsequent main headings.

Campbell, A. A. Maritime medicine. Univ. Durham M. Gaz., 1943–44, **1**: 71.—**Marshall, L. B.** Naval medicine. J. Oklahoma M. Ass., 1943, **36**: 369–71.—**Roddis, L. H.** The definition and scope of nautical medicine. J. Laborat. Clin. M., 1942–43, **28**: 564.—**Rozanov, P.** Medicina morskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 915–31.—**Williamson-Noble, F. A.** Medicine in the Navy. S. Mary Hosp. Gaz., Lond., 1934, **40**: 64–9.

—— Addresses and essays.

Mann, W. L. [Collected articles] 3v. 27cm. Bethesda, 1943.

Bard, R. A. Address at the graduation exercises, Northwestern University Medical School, Chicago, Illinois, Sunday, March 21, 1943. Q. Bull. Northwest. Univ. M. School, 1943, **17**: 161–5.—**Bassett-Smith, P. W.,** & **Rolleston, H. D.** Medicine and the sea affair, medicine and clinical pathology. Brit. M. J., 1917, **1**: 533–5.—**Brun, R.** Une orientation nouvelle de la médecine navale; la médecine du travail. Rev. méd. nav., Par., 1948, **3**: 149–66.—**Calvy, G. L.** Concepts of constitutional medicine. U. S. Nav. M. Bull., 1949, **49**: 825–30, illust.—**Da Costa, J. C.** Address on the occasion of the graduation exercises at the Naval Medical School in Washington on March 30, 1907. In his Trials & Triumphs, Phila., 1944, 388–401.—**Knight, A. W.** Tell it to Rogers. Hygeia, Chic., 1938, **16**: 872–4.—**Maritime** Medical News. Nova Scotia M. Bull., 1928, **7**: 10; No. 2, 10; No. 3, 10; passim.

—— Congresses and exhibits.

See also under **Military medicine.**

Aerztlich-wissenschaftliche Tagung des Sanitätsamtes der Marinestation der Nordsee in Den Haag-Scheveningen, 25 Juni 1941. Veröff. Marine San., 1942, H. 34, 5.—**Cassady, J. T.** Naval medical exhibit; meeting of the American Medical Association, Atlantic City, June 9–13, 1919. U. S. Nav. M. Bull., 1919, Suppl. No. 11, 77–83, 3 p.l.—**Holcomb, R. C.** Bureau of Medicine and Surgery's exhibit, Sesquicentennial, Philadelphia, 1926. Ibid., 1927, **25**: 272–7, 2 pl.—**Uthemann.** Bemerkungen zu der Aerztlich-wissenschaftlichen Tagung und zu den einzelnen der dort gehaltenen Vorträge. Veröff. Marine San., 1942, H. 34, 234–8.

—— Experiences and medical logs.

See also **Medical log; Travel.**

Dudley, S. Naval experience in relation to a national health service. Lancet, Lond., 1944, **2**: 97; passim.—**Dupuy, J.** Relation d'un voyage de voilier; bilan sanitaire et social d'une campagne de navigation. Hyg. gén. appl., Par., 1906, **1**: 513–20.—**Hegler, C.** Drei Jahre beratender Hygieniker und Kliniker in der Sinaiwüste. Deut. med. Wschr., 1935, 2. F., 165–82.—**Pearson, R. C. T.** Naval medical occasions. Proc. Transvaal Mine M. Off. Ass., 1946–47, **26**: 1–7.

—— fleet.

See also **Fleet.**

Cottle, G. F. Fleet medicine. Mil. Surgeon, 1938, **82**: 91–7. Also U. S. Nav. M. Bull., 1938, **36**: 193–7.—**Gubarev, P. M.** Kratkij obzor postanovki vraćebnogo dela na sudakh eskadry Tikhogo okeana. Protok. zased. Obshch. morsk. vrach., Kronstadt, 1903–04, **41**: 4–20.—**Johnson, L. W.** Medicine and surgery in the fleet. California West. M., 1936, **44**: 279–84.—**Mallows, H. R.** Twelve months with destroyers. Univ. Coll. Hosp. Mag., Lond., 1948, **33**: 107–11.—**Medical** (The) organization of a destroyer flotilla. J. R. Nav. M. Serv., 1936, **22**: 214–8.—**Neil, T. C. H.** Destroyer service. Ibid., 1935, **21**: 330–4.

—— History.

Roddis, L. H. A short history of nautical medicine. 359p. 19½cm. N. Y., 1941.

Also in Ann. M. Hist., 1941, 3. ser., **3**: 203; 326; 418.

Brown, K. M. A voyage from Plymouth to Adelaide in the forties: the impressions of a ship's surgeon. Med. J. Australia, 1937, **2**: 600–2.—**Coues, W. P.** A nautical clinic. Boston M. & S. J., 1914, **171**: 953.—**Curtis, C.** Medical observations on an expedition and passage to India in 1781. J. R. Nav. M. Serv., 1931, **17**: 132–40.—**Dixon, B. F.** An achievement of Navy peacetime medicine. U. S. Nav. M. Bull., 1946, **46**: 1523–8.—**English** pioneers in naval medicine. Brit. M. J., 1917, **2**: 866.—**Etheridge, C. E.** Medicine in Nelson's day. Med. Press & Circ., Lond., 1940, **203**: 29–32, portr.—**Lutrario, A.** La médecine navale au moyen âge et à l'époque moderne. Bull. Off. internat. hyg. pub., Par., 1932, **24**: 1448–75.—**McIntire, R. T.** The Abbott Collection; paintings of naval medicine. What's New, North Chic., 1944, No. 83, 10; No. 84, 11.—**Naval** medicine; then and now. Lancet, Lond., 1919, **2**: 883.—**Pezzi, G.** In margine al viaggio di Magellano; ricerche storicomediche. Ann. med. nav., Roma, 1946, **51**: 363–76.—**Underwood, E. A.** Naval medicine in the ages of Elizabeth and James. Ann. R. Coll. Surgeons England, 1947, **1**: 115–36.

—— Institutes.

See **Naval Medical Center;** also **School.**

—— Instruction.

See also **Naval surgeon,** Education and training; **School.**

Agnew, W. J. C. Training in Medical Department specialties. U. S. Nav. M. Bull., 1939, **37**: 311.—**Kolesnikov, J. V.** [Study of naval medicine] Tr. Voen. morsk. med. akad., 1941, **1**: 9–20.—**Siegrist, L. M.** Making the course interesting. Hosp. Corps Q., 1943, **16**: No. 3, 62–4.

—— Manual.

See also **Military medicine,** Manual.

Auer, M. [et al.] Handbuch der Gesundheitspflege an Bord von Kriegsschiffen. 2v. 1028p.; 564p. 8° Jena, 1914.

Great Britain. Admiralty. Handbook of the Royal Naval Sick Berth Staff. 526p. 25cm. Lond., 1944.

Italy. Ministero della Marina. Direzione Centrale della Sanità Militare Marittima. Istruzione d'igiene e profilassi per i militari della regia marina. 92p. 8° Roma, 1936.

United States. Navy. Bureau of Medicine and Surgery. Manual for the Medical Department of the U. S. Navy. 349p. 8° Wash., 1914. Also another edition, 440p. 8° Wash., 1922. Also another edition, 579p. 24cm. Wash., 1927. Also another edition, v. p. 24cm. Wash., 1942. Also another edition, v. p. 24½cm. Wash., 1943. Also rev. edition, 605p. 23cm. Wash., 1945.

Unterrichtsbuch für Sanitätsmannschaften der kaiserlichen Marine. 296p. 8° Berl., 1906.

Advance changes in the Manual of the Medical Department. Bumed News Lett., Wash., 1944, **4**: No. 11, 25–31.—**Changes** in Manual of the Medical Department. In: Manual M. Dep. U. S. Navy, Wash., 1942, 509, form.—**Doty, F.** Manuals of the Medical Department, 1842–1922. U. S. Nav. M. Bull., 1923, n. ser., **7**: Suppl., 8–14.—**Manual** of the Medical Department. Hosp. Corps Q., 1946, **19**: No. 4, 17–27.—**Sánchez de Silvera.** Manual de medicine, de chirurgie et de pharmacie à l'usage des capitaines de la marine marchande espagnole. C. rend. Congr. internat. méd., Madr. (1903) 1904, **14**: sect. med. hyg. mil. nav., 303.

—— shipboard.

Kortenhaus, F. Der Schiffs- und Hafenarzt; ein Leitfaden für Aerzte und Seeleute. 185p. 8° Jena, 1937.

Macaulay, B. J. The ship surgeon's pocket book. 66p. 16° Bristol, 1938.

Phelippon, M. H. *Hygiène et médecine courante à bord d'un batiment escorteur en temps de guerre. 56p. 25cm. Bord., 1945.

United States. Navy. Bureau of Medicine and Surgery. NAVMED 124: Medical compend for commanding officers of naval vessels to which no member of the Medical Department of the U. S. Navy is attached. Rev. ed. 171p. 24cm. Wash., 1944.

Wheeler, W. L. Shipboard medical practice. 114p. 19cm. N. Y., 1943.

Andreev, V. A. Zadači sudovoj dejatelnosti morskikh vraćej. Morsk. vrach, S. Peterb., 1911, 1-10.—**Bernard, R.,** &

Haeck, J. Wireless consultations at sea. World Health, Par., 1928, 9: 268–75.—Clerc, M. Treatment of sick seamen on ships having no doctor. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 273–82.—Drama (The) of disease at sea. World Health, Par., 1928, 9: 88–91.—Turumi, M. Treatment of seamen on ships having no doctor. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 289.

—— Shore service.

Bartlett, W., jr. A surgical service at a shore station. U. S. Nav. M. Bull., 1946, 46: 392–6.—Pugh, H. L. Navy medicine beyond the seas and on safari. Mil. Surgeon, 1949, 105: 103–10. Also U. S. Nav. M. Bull., 1949, 49: 1096–1106.—Ross, J. N. MacB. On shore; first aid work on shore with the Royal Naval Division. J. R. Nav. M. Serv., 1921, 7: 231; 301.—Sprague, C. G. Eighteen months shore service in German East Africa. Ibid., 1919, 5: 184; 306.

—— in warfare.

Hogan, B. W. Navy medicine in action, on the home front, and in combat areas. Washington Univ. M. Alumni Q., 1943–44, 7: 49–58.—Lessons in naval medicine from modern naval warfare. U. S. Nav. M. Bull., 1942, 40: 437.—McMullin, J. J. A. The recent advance in naval medicine. Virginia M. Month., 1944, 71: 446–50.—Sheldon, L., jr. Navy medicine in the war. South. M. J., 1945, 38: 1–7.

NAVAL personnel.

See **Personnel**; also **Dental health**—by countries: U. S. Navy.

NAVAL surgeon.

See also **Medical officer**—by countries: U. S. Navy; **Navy medical service**; also **Flight surgeon**, naval.

Broughton, C. H. The Navy surgeon; or, The conversion of Dr. Charles H. Broughton, late of the United States Navy. 24p. 19cm. N. Y. [after 1843]

Lutrario, A. Les médecins de bord. p.1–58. 24cm. Par., 1929.

Bull. Off. internat. hyg. pub., Par., 1929, 21: No. 7, Suppl.

Spranger, H. Das international-hygienische Rüstzeug des deutschen Schiffs- und Hafenarztes. p.1–64. 24cm. Jena, 1937.

In: Schiffs- & Hafenarzt (Kortenhaus, F.) Jena, 1937.

United States. Congress. 54. Congr., 1. sess., S. 1296, Dec. 31, 1895. A bill to commission passed assistant surgeons in the United States Navy, and to provide for their examination preliminary to their promotion to the grade of surgeon; introd. by Mr. Cameron. 1 l. 8° Wash., 1895.

United States. Congress. 54. Congr., 1. sess., S. 1296, H. R. Mar. 4, 1896. An act to commission assistant surgeons in the United States Navy, and to provide for their examination preliminary to their promotion to the grade of surgeon. 1 l. 8° Wash., 1896.

United States. Congress. 55. Congr., 2. sess. H. R. 10913, July 7, 1898. A bill to make assistant and passed assistant surgeons of the Navy correspond in rank with assistant surgeons of the Army; introd. by Mr. Mahany. 1 l. 8° Wash., 1898.

Allison, R. S. Sea surgeons. J. R. Nav. M. Ser., 1941, 27: 125–37.—Braisted, W. C. The surgeons of the Navy. Surg. Gyn. Obst., 1917, 25: 712–4.—Brodniewicz, A. [On the question of the ship's physician in the Polish merchant marine] Nowiny lek., 1938, 50: 377–80.—Cottle, G. F. The specialist versus the naval surgeon. U. S. Nav. M. Bull., 1937, 35: 52–5.—Cox, J. L. The status of the ship surgeon. Brit. M. J. 1935, 2: 1023.—Dollard, H. L. Navy doctor. Aesculapian, Chic., 1942–43, 33: No. 7, 5, &c.—Gardner, A. Status of the ship surgeon. Brit. M. J., 1941, 2: 671.—Gelonesi, G. Il medico di Marina è uno specialista. Ann. med. nav., Roma, 1935, 41: pt 1, 352–60.—Gray, G. D., & Hammerton, J. R. The status of the ship surgeon. Brit. M. J., 1935, 2: 977.—King, E. J. The Navy doctor. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 122.—Kurz, O. Die soziale Stellung der Schiffsärzte in Oesterreich. Wien. klin. Wschr., 1912, 25: 311–4.—Médecins sanitaires maritimes. Rev. méd. hyg. trop., Par., 1906, 3: 139–66.—Nixon, J. A. Salt-water surgeons. Lancet, Lond., 1941, 2: 774.—Pearse, A. G. E. The doctor afloat. S. Barth. Hosp. J. War Ed., Lond., 1941–42, 3: 62.—Planten, M. J. [Our naval physicians] Ned. tschr. geneesk., 1928, 72: No. 39, pt 2, 4853–5.—Pyle, W. The ship surgeon's career. J. Michigan M. Soc., 1932, 31: 648–56.—Rozanov, P. Vrač voenno-morskoj. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1028–37.—Toubib, R. Ship's surgeon. Hygeia, Chic., 1937, 15: 490; 561.

—— Duties.

Abdanski, S. [Duties and responsibilities of the ship's doctor during long voyages] Polska gaz lek., 1937, 16: 644–6.—Brodniewicz, A. [Duties of the ship's physician in the Polish merchant marine] Nowiny lek., 1938, 50: 377; passim.—Caanitz, H. Für alles dieses sorgt der Schiffsarzt. Illustr. Ztg, 1941, Jan., 66.—Court-martial on a fleet surgeon. Brit. M. J., 1909, 2: 921.—Duties and responsibilities of a ship's surgeon. Lancet, Lond., 1936, 1: 505.—Markowski, B. [Duties of the physicians during long sea trips] Lek. wojsk., 1938, 31: 338–53.—Provost, C. La participation du médecin de la marine dans la formation physique et morale du marin. Rev. méd. nav., Par., 1948, 3: 21–31.—Rolando, G. L. The Italian Royal Navy surgeons as royal commissioners in the Emigration Service. Mil. Surgeon, 1928, 62: 305–13.—Stephenson, C. S. The naval medical officer's public health activity; with special reference to national defense. South. M. J., 1941, 34: 90–8.

—— Education and training.

See also **Medical student**, Training.

Adams, J. C. The new policy of training naval flight surgeons. U. S. Nav. M. Bull., 1939, 37: 150–3.—Bellet, E., & Saint-Sernin, A. Le recrutement, la formation et le perfectionnement des médecins et pharmaciens-chimistes de la marine. Rapp. Congr. internat. méd. pharm. mil., 6. Congr., 1931, 2: 99–110.—Education, training, and research. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 6, 1–13.—Hill, J. Post-graduate courses for ship surgeons. Brit. M. J., 1935, 1: 37.—McIntire, R. T. Medical education from the standpoint of the Navy Medical Corps. Fed. Bull., Chic., 1942, 28: 262–6. Also J. Am. M. Ass., 1942, 119: 210. ——— Medical education and the war; United States Navy. Ibid., 1257–9. ——— The United States Navy and medical education. Ibid., 1943, 122: 1089.—Post-graduate courses for ship surgeons. Brit. M. J., 1935, 1: 981.—Rossiter, P. S. Specialism and postgraduate training in the Medical Department of the Navy. Mil. Surgeon, 1936, 79: 169–71.—Sánchez Gómez, J. Recrutement, formation et perfectionnement des médecins et pharmaciens militaires. Rapp. Congr. internat. méd. pharm. mil., 6. Congr., 1931, 2: 79–85.—Uthemann. Zur Entwicklung der wissenschaftlichen Fortbildung der Marinesanitätsoffiziere. Deut. Militärarzt, 1937, 2: 97–101.

—— Experiences.

See also **Medical log**; **Naval medicine**, Experiences.

Ehlers, R. G. M. Diary of the ship's surgeon. 182p. 20½cm. Bost., 1944.

Buschan. Schiffsärztliche Erlebnisse und Studien auf den Beischiffen der Mittelmeerdivision General und Corcovado. In: Vor 20 Jahren (Deut. med. Wschr.) 1935, 2. F., 235–46.—Connor, V. F. A modern Aeneas. Nova Scotia M. Bull., 1944, 23: 47–51.—De Pinna, H. A. Experiences as a ship's surgeon in the Peninsular and Oriental Steam Navigation Company. Middlesex Hosp. J., Lond., 1906–07, 10: 150–5.—Huff, E. P. Ship life in Constantinople. U. S. Nav. M. Bull., 1919, 13: 605–9.—Johnson, J. Extract from The Oriental Voyager, by J. Johnson, surgeon in the Royal Navy (London, 1807) J. R. Nav. M. Serv., 1938, 24: 178–83.—L., C. G. Moa mind. S. Thomas Hosp. Gaz., Lond., 1942, 40: 147–51.—McOscar, J. Experiences as a ship's surgeon. Middlesex Hosp. J., Lond., 1906–07, 10: 83–7.—Maisel, A. Q. Un dia con un médico de la Armada de los Estados Unidos. Medicina, Habana, 1944, 2: No. 14, 4–9; 24.—Maloney, J. Fair winds and the medicine man. Red Cross Courier, 1938–39, 18: 3–6.—Notes of a naval surgeon; at the ocean gates of Britain. Hospital, Lond., 1919–20, 66: 151.—Quant, A. J. C. [From the life of a naval physician] Ned. tschr. geneesk., 1929, 73: pt 1, 89–92.—Tecoz, H. F. Chirurgiens de la marine de guerre. Praxis, Bern, 1944, 33: 295.—Thoma, G. Schiffsarztleben! Reichs Med. Anz., 1917, 42: 193; 209.—Weaver, J. D. Life begins on a hanana boat; at least that's the conclusion of scagoing surgeon Hooker. Med. Econom., 1942–43, 20: No. 9, 60.—Weber, H. W. Notes on a year's work as ship's surgeon. Guy's Hosp. Gaz., Lond., 1920, 34: 439.—Whiteside, H. C. Some problems (old and new) of the seafaring doctor. J. State M., Lond., 1930, 38: 449–53. Also J. R. Nav. M. Serv., 1931, 17: 1–5.

—— female.

See also **Medical officer**, female; **Woman**.

Heroism of a woman physician [Adaline Nancy Miller] J. Am. M. Ass., 1942, 119: 512.—Josephi, M. G. Medical women of the Navy. Med. Woman J., 1943, 50: 198–200.

—— History.

See also **Naval medicine,** History.

Luccioni, D. *Les médecins navigants; leur évolution pendant le XIX• siècle et le début du XX•; leur statut actuel [Marseille] 79p. 25cm. Lyon, 1933.

Ackerknecht, E. H. The naval surgeon. Ciba Symposia, 1942–43, **4:** 1419–24.—**Barth, N.** Skibslægerne paa Nelsons tid. Norsk tskr. mil. med., 1906, **10:** 93.—**Camerer, C. B.** The naval surgeon afloat during Nelson's time. Proc. U. S. Nav. Inst., 1935, **61:** 1804–10, 8 pl.—**Michael, W. H.** The ship's surgeon of three centuries ago. Mil. Surgeon, 1936, **78:** 295–9.—**Naval** (A) surgeon of 1814–15. Brit. M. J., 1915, **1:** 27.—**Pezzi, G.** Medici navali del '700. Ann. med. nav., Roma, 1947, **52:** 427–47.—**Rolando, G. L.** I medici navali dall'antichità ai nostri giorni. Atti Accad. stor. arte san., 1947, **13:** 138–49.—**Vogel, K. M.** Sea surgeons in the days of oak and hemp. Proc. Charaka Club, 1935, **8:** 185–202.

—— in war.

McIntire, R. T. The Navy doctor at war. In: Doctors at War (Fishbein, M.) N. Y., 1945, 219–31, 4 pl.—**O'Sheel, P.** Navy doctors fight back. Med. Econom., 1941–42, **19:** No. 4, 42–7.—**Sheldon, L.,** jr. The Navy doctor in war. Virginia M. Month., 1943, **70:** 283–9.

NAVAL surgery.

See also **Surgery;** also **Naval medicine; Naval surgeon.**

Andreev, F. F. Osobennosti khirurgiéeskoj raboty v Voennomorskom flote. Khirurgia, Moskva, 1948, No. 8, 92.—**Hook, F. R.** Surgical high lights of 1940. U. S. Nav. M. Bull., 1941, **39:** 1–22.—**Teneff, S.** Chirurgia di guerra aerea e marittima. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 502–6, illust.

—— History.

Ackerknecht, E. H. Naval surgery from 1500 to 1800. Ciba Symposia, 1942–43, **4:** 1394–404. ——— Naval surgery since 1800. Ibid., 1405–9.—**Conditions** of naval surgery in the eighteenth century. Boston M. & S. J., 1915, **173:** 299.—**Keevil, J. J.** Sea surgery in the early nineteenth century. J. R. Nav. M. Serv., 1932, **18:** 124–8.—**Skirving, R. S.** Surgery at sea in the eighties. Med. J. Australia, 1936, **1:** 783–5.—**Stitt, E. R.** Naval surgery; a retrospect. J. Am. Inst. Homeop., 1926, **19:** 864–9.

—— Ship surgery.

See also **Navy medical service;** also **Battle,** naval.

Ainley, J. F. Surgery in the home fleet. J. R. Nav. M. Serv., 1933, **19:** 93–5.—**Cottle, G. F.** One thousand operations during a short cruise. U. S. Nav. M. Bull., 1927, **25:** 105–11.—**Nadler.** Ueber chirurgische Operationen an Bord der Kriegsschiffe. Nervenarzt, 1938, **11:** 6–10.—**Passe, E. R. G.** Two surgical cases of unusual interest occurring at sea. J. R. Nav. M. Serv., 1942, **28:** 294–7.

NAVAL torpedo station.

See under **Diver.**

NAVAL warfare.

See also such terms as **Battle,** naval; **Blood transfusion service,** naval; **Combat,** naval; **Disease; First aid,** naval; **Injury**—by branches of service: Navy; also scattered under **World War I; World War II.**

—— Medical aspect.

Bespalov, V. G. [Surgical aid in naval war] Tr. Acad. mil. med. Kiroff, 1935, **2:** 80–111.—**Critchley, M.** Problems of naval warfare under climatic extremes. Brit. M. J., 1945, **2:** 145; passim. Also Mil. Surgeon, 1946, **98:** 94; passim. Also Spanish transl., Rev. san mil., B. Air., 1946, **45:** 886; 1009; 1126. **Holeman, C. J.** Medical department function in a naval engagement. U. S. Nav. M. Bull., 1938, **36:** 179–93.—**Kennedy, W. F.** NP problems as they occur in naval warfare. Dis. Nerv. Syst., 1945, **6:** 48–50.—**Mann, W. L.,** jr. Health and physical efficiency in naval warfare. Mil. Surgeon, 1944, **94:** 4–8.—**Weddell, G., & Darcus, H. D.** Some anatomical problems in naval warfare. Brit. J. Indust. M., 1947, **4:** 77–83.—**Wise, J. C.** A consideration of recent views on the work of the medical department in naval warfare. Mil. Surgeon, 1907, **20:** 259–66.

NAVICULAR bone.

See under **Foot; Hand;** also **Fracture** (—by site: Carpus; Foot) also **Tarsus.**

NAVIGATOR.

See also **Aircrew; Aviation; Aviator,** Selection; **Flight personnel.**

Christensen, J. M. Aerial analysis of navigator duties with special reference to equipment design and workplace layout; navigator and radar operator activities during three arctic missions. 49p. 26½cm. Dayton, 1948.

Forms No. MCREXD–694–15A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Lothschuetz, F. X. Human body size requirements for positioning bombardier-navigators in relation to radar, periscope, and navigator's chart table. 10 l. 26½cm. Dayton, 1945.

Forms No. TSEAL–3–695–58A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Carter, L. The establishment of psychological research project, navigator. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 10, 41–4. ——— The combat experiences and post-combat adjustment of navigators. Ibid., 163–70. ——— Evaluation and interpretation. Ibid., 171–80. ——— & **Michael, R.** The navigator selection battery and the navigator stanine. Ibid., 31–9.—**Christensen, J. M.** An analysis of the activities of the Arctic aerial navigator. Techn. Data Digest, Dayton, 1949, **14:** No. 18, 12–21.—**Combat** validation, navigators. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 17, 55–71.—**Navigator.** Ibid., No. 16, 151–70.—**Whiteside, J., & Glaser, R.** Job description of the navigator. Ibid., No. 10, 11–30, illust., 5 pl., ch.

—— Training.

Carter, L. F. Psychological research on navigator training. 186p. 23½cm. Wash., 1947.

Forms No. 10, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Dudek, F., & Glaser, R. The experimental evaluation of training aids as illustrated by a study of the G–2, dead reckoning trainer. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 10, 135–46, 2 pl.—**Michael, R., & Rosemark, E.** Research relating to graduation policy, grading systems, and instruction. Ibid., 83–103.—**Smith, H.** Research related to the development of objective ground measures of navigation skill. Ibid., 45–66, 3 map. ——— Research related to development of aerial measures of navigation skill. Ibid., 67–82, map.—**Zielonka, W.** Navigator instructor selection research. Ibid., 147–62.

NAVY.

See terms beginning with Naval; also special paragraphs under the following terms: **Dental officer; Dental reserve; Dietitian; Injury; Library; Medical examination,** Physical standards; **Neurosis; Nurse; Nurse Corps; Personnel; Pharmacist; Psychiatry; Psychological service; Psychologist; Psychosis; Recruiting; Rehabilitation; Sanitation; Surgeon General; Tuberculosis; Venereal disease; Vision,** Standards; also such terms as **Destroyer; Seaman; Ship; Torpedo boat;** etc.

NAVY Bureau of Medicine and Surgery.

See **Bureau of Medicine and Surgery;** also **Navy medical corps; Navy medical service.**

NAVY dentist.

See under **Dentist.**

NAVY life jacket.

See under **Body armor.**

NAVY medical corps.

See also **Medical organization**—United States; **Navy medical service.**

—— France.

Bayol, J. Rapport fait au nom de la Commission de la Marine chargée d'examiner le projet de loi portant organization du corps de santé de la marine. 55p. 4° Par., 1904.

Arrête sur l'embarquement des officiers de Corps de santé. Arch. méd. pharm. nav., Par., 1908, **90:** 460–75.—**Boudet.**

Eléments de l'histoire coloniale du Corps de santé de la Marine. Ibid., 1933, **123**: 247; 1934, **124**: 492; 1935, **125**: 228. ——— Le Corps de santé de la Marine et des colonies il y a cent ans, 1815–50. Ibid., 1937, **127**: 193; passim; 4 port., pl.

—— Germany.

UTHEMANN & HARMS. Stammliste des Marine-Sanitäts-Offizierkorps. 243p. 8° Berl., 1906.

—— Great Britain.

Allison, R. S. One hundred years of commissioned rank. J. R. Nav. M. Serv., 1943, **29**: 83–90.—**Changes** (The) in uniform and titles in the medical branch of the Navy. Lancet, Lond., 1918, **2**: 529.—**Colborne, W. J.** Hints for medical officers of the Royal Navy. J. R. Nav. M. Serv., 1916, **2**: 219, 353.—**Demobilised.** Ibid., 1919, **5**: 317.—**Dickenson, G. O. M.** The origin of the sick berth staff, Royal Navy. Ibid., 1927, **13**: 161–73.—**New** (The) naval rates of pay. Brit. M. J., 1919, **2**: 454.

—— Spain.

SPAIN. MINISTERIO DE MARINA. Escalafón general de los señores jefes y oficiales del cuerpo de sanidad de la Armada. 4v. (1882–84; 1893; 1895; 1896) S. Fernando, 1882–96.

Fernández-Cuesta y Porta, N. Le corps de santé de la marine en Espagne. Gaz. hôp., 1913, **86**: 549–51.

—— Sweden.

Asplund, G. Utredning rörande aflönings-och tjänstgöringsvillkor for marinläkarekåren. Tskr. mil. hälsov., 1911, **36**: 129–47.

—— United States.

See also **Medical department,** U. S. Navy; **Specialization,** medical.

UNITED STATES NAVY. BUREAU OF MEDICINE AND SURGERY. NAVMED 546: Directory of officers, April 1946. 8p. 20½cm. Wash., 1946.

A. M. A. Journal scores failure to honor Naval Medical Corps. J. Med., Cincin., 1941–42, **22**: 3.—**Army,** Navy post new jobs; physicians needed for temporary Army duty; Naval Corps examinations set for Jan. 6–9. Med. Econom., 1940–41, **18**: 54.—**Blackwood, N. J.** Specialism in the Navy Medical Corps; a review. U. S. Nav. M. Bull., 1926, **24**: 476–82.—**Brown, M. V., & Crossland, P. M.** Appointments to Navy Medical Corps. Q. Phi Beta Pi M., 1937, **34**: 11–2.—**Calver, G. W.** Organization of the Naval Medical Corps, Sixth Naval District. U. S. Nav. M. Bull., 1917, **11**: 497–504, 5 pl.—**Dixon, B. F.** Book of surgeon's stewards. Hosp. Corps Q., 1946, **19**: No. 8, 5–12.—**Dudley, S. F.** Some aspects of specialization and research in the Services. J. R. Nav. M. Serv., 1931, **17**: 75–89.—**Eckert, G. A., Craig, W. McK.** [et al.] A tour of active duty in the Medical Department of the United States Navy. Proc. Mayo Clin., 1941, **16**: 273–80.—**Examinations** for appointments in the Medical Corps of the U. S. Navy. Bull. Chicago M. Soc., 1940–41, **43**: 773. Also J. Florida M. Ass., 1940–41, **27**: 409. Also Nebraska M. J., 1941, **26**: 69.—**Examination** for commissions in Navy Medical Corps. J. Am. M. Ass., 1941, **116**: 418.—**Goldsmith, N.** You're on your own in the Navy. Army Doctor, 1942, **1**: No. 5, 3.—**Goldwater, L.** The doctor in the Navy. Med. Bull., N. Y., 1941–42, **7**: 71–3.—**H., P. C.** La labor del Cuerpo médico de la Armada norteamericana en Oceania. Sem. méd. españ., 1944, **7**: 704–6.—**Halpern, D., & Wohl, M.** Medicine in our Navy. Q. Chicago M. School, 1943–44, **4**: 20.—**Harris, H. J.** From civilian practice to Navy medicine. N. York State J. M., 1943, 1035–7.—**Holcomb, R. C.** The Medical Corps of the Navy; the Navy needs more medical officers. N. York M. J., 1917, **105**: 481–5.—**McIntire, R. T.** Young men of medicine. Milwaukee M. Times, 1943, **16**: No. 4, 18; passim.—**Medical** bills in Congress. J. Am. M. Ass., 1941, **116**: 522.—**Medical** (The) Corps [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 5–11.—**Medical** (The) Corps of the United States Navy. Bumed News Lett., Wash., 1943, **2**: No. **7**, 1.—**Navy** (The) needs more doctors. West Virginia M. J., 1941, **37**: 432.—**New** appointments Navy Medical Corps. Mil. Surgeon, 1941, **88**: 76.—**Oliver, E. B., & Lowry, E. F.** Navy Medical Corps. J. Med., Cincin., 1938–39, **19**: 571–4.—**Physicians** for the Navy. Southwest. M., 1940, **24**: 383.—**Rixey, P. M.** The medical profession as represented in the United States Navy. Tr. M. Soc. Virginia, 1908, **39**: 100–5. Also Virginia M. Semimonth., 1908–09, **13**: 409–14. ——— The development of the Navy Medical Corps to meet the modern requirements of specialization in medical practice. J. M. Soc. N. Jersey, 1908–09, **5**: 495–501.—**Smith, J. M.** A medical career in the Navy. Interne, N. Y., 1943, **9**: 256–8.—**Stephenson, C. S.** The Medical Corps of the United States Navy. Proc. Conf. Health Author. N. America, 1940, 55. meet., 16.—**Stitt, E. R.** Contributions of the Medical Corps, of the United States Navy, to American Medicine. U. S. Nav. M. Bull., 1926, **24**: 1–12, 3 pl.—**Stokes, C. F.** The Medical Corps of the United States Navy Med. Times, N. Y., 1912, **40**: 99–101.—**White, E. C.** The doctor in the Navy. Connecticut M. J., 1941, **5**: 922.

NAVY medical service.

See also **Air Force Medical Service**—by countries: U. S. Navy; **Bureau of Medicine and Surgery; Dental Corps,** U. S. Navy; **Dental service**—by countries: U. S. Navy; **Medical department,** U. S. Navy; **Medical examination,** Thoracic radiography; **Medical officer; Medical organization; Naval medicine; Naval surgeon; Research,** naval medical.

Allen, R. G. Medical arrangements for action in small ships. J. R. Nav. M. Serv., 1943, **29**: 266.—**Avriett, R. A.** Small craft duty requires training. Hosp. Corps Q., 1944, **17**: 52–4.—**Donnelly, J. F.** Medical service in the merchant marine. Med. Rec., N. Y., 1909, **75**: 690–4.—**Morgan, H. D.** Small-craft duty is a responsible assignment. Hosp. Corps Q., 1944, **17**: 50.—**Pezzi, G.** La dotazione sanitaria di bordo negli ordinamenti navali dalle origini alla metà del secolo XIX. Ann. med. nav., Roma, 1947, **52**: 113, passim.—**Rodríguez Braga, A.** Fonctionnement du Service de santé dans les combats navals (Service de santé dans les combats maritimes) Arq. hig. pat. exot., 1905–06, **1**: 133–52, pl.—**Wildermuth, O.** Medical problems of a light unit. Hosp. Corps Q., 1945, **18**: No. 11, 21–4.

—— Argentina.

D'ONOFRIO, R. Documentos para la historia de la sanidad naval argentina. p. 5–183. 26½cm. B. Air., 1948.

In: Rev. pub. nav., B. Air., 1948, **1**:

Movimiento estadístico del Servicio de cirugía del Instituto médico naval; primer trimestre 1948. Rev. pub. nav., B. Air., 1948, **1**: 300–9.—**Ratto, H. R.** Jefes navales extranjeros en el Plata. Rev. mil., B. Air., 1938, **38**: pt 2, 83–90.

—— Australia.

Royal (The) Australian Naval Medical Service. Med. J. Australia, 1922, **1**: 479–84; 1927, **2**: 734–7.

—— Canada.

Jarry, G. Le médecin dans la Marine canadienne. Union méd. Canada, 1942, **71**: 5–7.—**Laroche, A.** La médecine dans la Marine. Ibid., 1078–81.—**McCallum, A.** The work of the Medical Branch of the Royal Canadian Navy. Canad. M. Ass. J., 1943, **48**: 11.

—— China.

Cussen, J. The Central Hospital, Nanking. J. R. Nav. M. Serv., 1934, **20**: 337–41.

—— Cuba.

Figueroa, F. Sanidad de la Marina de guerra cubana. Rev. med. cir. Habana, 1921, **26**: 662–71.

—— France.

See also **Navy medical corps,** France.

Abelin. L'escadre de l'Extrême-Orient en 1903–05. Arch. méd. pharm. nav., 1905, **84**: 401–32; 1906, **85**: 5.—**Auffret, C.** Service médical en temps de guerre à bord des batiments de la flotte. C. rend. Congr. internat. méd. (1903) 1904, **14**: Sect. méd. hyg. milit., 31–4.—**Bourges, H.** Les marins indigènes du centre de Sidi-Abdallah. Arch. méd. pharm. nav., 1922, **112**: 232–42.—**Garraud, R.** Le Service de santé des Forces navales françaises libres. Rev. méd. nav., Par., 1948, **3**: 7–20.—**Larroque.** Rapport médical de fin de campagne. Arch. méd. pharm. nav., 1930, **120**: 551–7.—**Mercié.** Rapport d'inspection générale de l'escadre du nord. Ibid., 1910, **93**: 5–34.—**Pénaud, A.** L'inspection générale du Service de Santé de la Marine, de sa création à nos jours. Ibid., 1931, **121**: 56–64.—**Valence.** Service de santé à bord en temps de guerre. Ibid., 1905, **83**: 81–119.

—— Germany.

See also **Navy medical corps,** Germany.

GERMANY. OBERKOMMANDO DER KRIEGSMARINE [Marine-Druckvorschrift] M. Dv. 271/4: Soll der Sanitätsausrüstungen. Teil 4: Sanitätsausrüstungen und Sanitätsgeräte der Marineteile am Lande [Reprint] 30p. 22cm. Berl., 1941.

Evers. Die wichtigeren im Berichtsjahre ausgeführten allgemeingesundheitlichen Massnahmen. San. Ber. Deut. Marine (1930) 1932, 13–6.—**Gräf.** Die wichtigeren im Berichtsjahre ausgeführten allgemeingesundheitlichen Massnahmen. Ibid., (1912–13) 1917, 28–34.—**Stams, A.** Die bevölkerungs-

und familienpolitische Bedeutung des Gesundheitsdienstes in der Kriegsmarine. Deut. Aertztebl., 1938, **68**: 98–101.—**Weber.** Die Organisation des Marine-Sanitätswesens und die Verwundetenversorgung an Bord. Zschr. ärztl. Fortbild., 1915, **12**: 76–85.

—— Great Britain.

See also **First aid,** naval; **Navy medical corps,** Great Britain.

ALLISON, R. S. Sea diseases; the story of a great natural experiment in preventive medicine in the Royal Navy. 218p. 22½cm. Lond., 1943.

Durnford, J. Remarks on the Royal Navy Medical Service. Lancet, Lond., 1910, **2**: 1193.—**Fairer, J. A.** Work in the grand fleet. J. R. Nav. M. Serv., 1918, **4**: 75–8.—**Fosbery, F. W. A.** The reclamation of working hours. Ibid., 1940, **26**: 67.—**Gaskell, A.** History of the medical unit of the Royal Naval Division from its inception to the evacuation of Gallipoli. Ibid., 1926, **12**: 219; 288.—**Life** in the Naval Medical Service. Med. Press & Circ., Lond., 1933, **135**: 525–9.—**May, A. W.** The Medical Department of the Royal Navy. Brit. J. Surg., 1917, **5**: 1–7.—**Medical** (The) Department of the Navy in the war. Lancet, Lond., 1917, **1**: 267.—**Medical** (The) Service, R. N.; remedies for existing defects. Brit. M. J., 1914, **1**: 974.—**Naval** Medical Service [1923–36] Lancet, Lond., 1923–36, **2**: 416; passim.—**Pick, B. P.** Medical Department of the Navy in 1838. J. R. Nav. M. Serv., 1933, **19**: 241–53.—**Position** (The) of the Royal Navy Medical Service. Lancet, Lond., 1906, **2**: 1375.—**Royal** Naval Medical Service. Brit. M. J., 1930, **2**: 394; 1931, **2**: 465. Also Lancet, Lond., 1938, **2**: 511; 1939, **2**: 524.—**Royal** (The) Naval Medical Service; a warning. Brit. M. J., 1922, **2**: 449.—**Royal** (The) Naval Medical Service; a warning to young medical men. Ibid., 1923, **2**: 394.—**Rudd, E. T. S.** The limitations of surgery in H. M. ships in wartime. In: Interallied Conf. War Med. (1942–45) 1947, 503–6.—**Smith, F. L.** A short account of the Royal Naval Medical Service. J. R. Nav. M. Serv., 1929, **15**: 177–85.—**Then** and now. Ibid., 1936, **22**: 308–24.

—— Holland.

Welfare on board Dutch ships. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 283–8.

—— Italy.

Gelonesi, G. Il servizio chirurgico della Sanità militare marittima. Ann. med. nav., Roma, 1942, **48**: 189–210. Also Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 35–54.—**Lorenzini, F.** Il servizio sanitario a bordo delle navi dell'Africa orientale. Arch. ital. sc. med. col., 1938, **19**: 508–12.—**Pasquale, A.** Organizzazione del servizio sanitario e principii cui deve uniformarsi il soccorso ai feriti, nei combattimenti navali. Ann. med. nav., Roma, 1908, **14**: 601–38. Also English transl., Mil. Surgeon, 1909, **25**: 336; 474.

—— Japan.

Bogert, E. S. An outline of the organization of the Medical Department of the Japanese Navy. Mil. Surgeon, 1911, **28**: 481–9.—**Pilcher, J. E.** The Japanese Navy Medical Department in 1904. Ibid., 1907, **20**: 410.—**Takaki, K.** On the preservation of health amongst the personnel of the Japanese Navy and Army. Lancet, Lond., 1906, **1**: 1369; 1451; 1520. ——— Japanese naval sanitation. Med. Rec., N. Y., 1906, **70**: 321–9. ——— Japanese navy and army sanitation; with a statistical report of the medical department during the Japanese-Russian war, and a history of the eradication of kakke from the Japanese navy. Surg. Gyn. Obst., 1906, **2**: 421–41, 1 port.

—— Peru.

Valdez, C. La asistencia médica en la Marina de guerra del Perú. Arch. peru. hig. ment., 1941, **5**: 94–107.

—— Poland.

Dolatowski, A. [Naval service from the view point of a physician of a training ship] Lek. wojsk., 1936, **27**: 42; passim.

—— Portugal.

Gonçalves, J. O serviço de saúde naval em face dum novo regulamento. Bol. Dir. serv. saúde mil., 1940, **3**: 239–52.—**Oliveira, M. R. d'.** Falta de pessoal medico para o serviço de saúde naval. Med. contemp., Lisb., 1905, 2. ser., **7**: 194–6.

—— Russia.

Andreyev, F. Organization of the medical service in the U. S. S. R. Navy. U. S. Nav. M. Bull., 1945, **45**: 831–44.—**Ivanov, V.** Voenno-medicinskie kadry voenno-morskogo flota. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1082–9.—**Jablonsky, E. K.** Organizacija podaći pomośći ranenym na linejnom korable Pantelejmon v svjazi s zadaćami etoj organizacii voobśće na linejnykh korabljakh. Med. pribav. morsk. sborn., 1909, 131–44.—**Zotov, A. M.** [Problems in the organization of medical-sanitary service in the Navy] Tr. Voen. morsk. med. akad., 1941, **1**: 5–8.

—— Sweden.

SWEDEN. FÖRSVARETS SJUKVÅRDSFÖRVALTNING. Förteckning över försvarets sjukvårdsutrustning, del 2: Marinen. A: Flottan. 130p. 21½cm. Stockh., 1946.

Edholm, E. [Care of the well and the sick in the Swedish Navy, 1917–18] Tskr. mil. hälsov., 1919, **44**: 317–22.—**Kock, W.** Hälso- och sjukvård på svenska örlogsfartyg förr och nu. Ibid., 1947, **72**: 49–70.

—— United States.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. Outline of Medical Department duties, United States Navy. 153p. 23½cm. Wash., 1944.

——— Bulletin ... Circular letters, July 1939–July 1945. 536p. 23cm. Wash., 1946.
Forms Navmed 937.

Bell, W. H. Medical department battle stations. U. S. Nav. M. Bull., 1907, **1**: 171.—**Beyer, H. G.** A review of the subject of organization of the medical department (naval) for battle. Ibid., 1908, **2**: 46–52.—**Curtis, L. W.** The organization of the Medical Department and the sanitary service of the fleet under present conditions; and what organization will best meet the requirements of the fleet in view of future expansion and render the most efficient service, both in peace and war? Mil. Surgeon, 1910, **26**: 25–36.—**Dollard, H. L.** Ninth Naval District Medical Services. J. Indiana M. Ass., 1943, **36**: 425–7.—**Fahrenholt, A.** The Medical Department at general quarters and preparations for battle. U. S. Nav. M. Bull., 1914, **8**: 421–35.—**Funk, W. H.** Staff conferences at small isolated stations. Ibid., 1943, **41**: 237.—**Historical** data, inclusion of in annual sanitary report [form letter] Bumed News Lett., Wash., 1943, **2**: No. 13, 24.—**Johnson, L. W.** Naval Medical Service. Ref. Handb. M. Sc., N. Y., 1916, **6**: 654–60. ——— Caring for the Navy's health. J. Laborat. Clin. M., 1942–43, **28**: 554–63. ——— Keeping the Navy fit. Mississippi Doctor, 1942–43, **20**: 122–5.—**McIntire, R. T.** Basic principles involved in the plans and arrangements of our Naval Medical Service. Mil. Surgeon, 1943, **92**: 120–9. ——— Medicine in the Navy. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1944, 40. Congr., 20–3. Also J. Am. M. Ass., 1944, **124**: 932.—**Medical** and dental attendance [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 471–81.—**Navy** medicine. Army Navy J., 1943, **80**: 842.—**New, W. N.** Field medical service. Hosp. Corps Q., 1944, **17**: No. 5, 1–18.—**Office** of base medical officer, organization and functions. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 13–6.—**Oman, C. M.** The Naval Medical Service. Med. Rec., N. Y., 1917, **91**: 989.—**One** (The) hundredth anniversary of the founding of the Bureau of Medicine and Surgery. U. S. Nav. M. Bull., 1942, **40**: 995–7.—**Roddis, L. H.** Medical history of the United States Navy. Merck Rep., 1942, **51**: No. 4, 5–8.—**Special** activities, amphibious operations, field service, aviation service, submarine and diving services. In: Manual M. Dep. U. S. Navy, Wash., 1942, 87–108.—**Swanson, C. A.** Some future policies of the Medical Department of the Navy. U. S. Nav. M. Bull., 1947, **47**: 1–4. ——— The health program of the United States Navy. In: Pub. Health in the World (Simmons, J. S.) Cambr., 1949, 121–33.—**Williams, L. H.** Development of the Naval Medical Service. Mil. Surgeon, 1926, **59**: 411–5.—**Wise, J. C.** The evolution of the Naval Medical Service and the Naval Medical School. Washington M. Ann., 1907–08, **6**: 117–31.—**Wooders, M. A., & Curtis, D. A.** The Navy. In their Emergency Care, Phila., 1942, 378–400.

—— United States: Marine.

Barroso, G. Serviços médicos da Marinha norte-americana. Arq. brasil. med. nav., 1943, **4**: 151–74, 10 pl.—**Marine** Corps; medical service. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 4, 1–20.

NAVY Relief Society.

See under **Dependent,** Medical care.

NAVY V–12 program.

See under **Dentistry,** Instruction; **Medical student,** Training program.

NAVY yard.

See also **Shipyard.**

UNITED STATES. NAVY. YARD DIVISION. United States Navy and naval stations, general safety rules. Sect. 4: Industrial poisons and

dangerous substances. 39p. 18cm. Wash., 1931.

Blackwood, N. J., & Bell, W. H. A greater field of activity for medical officers of navy yards. U. S. Nav. M. Bull., 1916, **10**: 249–68.—**Brown, E. W.** Industrial hygiene and the Navy in national defense. Ibid., 1941, **39**: 321–5. ——— The role of the nurse in naval defense industry. Indust. M., 1942, **11**: 94–7.—**Fisher, C. W.** Safety engineering at naval shore establishments. Tr. Nat. Safety Counc., 1941, 30. Congr., **1**: 404–7.—**Fleischer, W. E., Viles, F. J.,** jr. [et al] A health survey of pipe covering operations in constructing naval vessels. J. Indust. Hyg., 1946, **28**: 9–16.—**Goldwater, L. J., & Jeffers, C. P.** A plan for the control of potentially hazardous substances used in a Navy yard. U. S. Nav. M. Bull., 1942, **40**: 741.—**Harris, H. J.** Functions of a psychiatrist in a Navy yard. Ibid., 1945, **44**: 1036–41.—**Kuhn, A.** Erkrankungen der Werftarbeiter der Kriegsmarinewerft Wilhelmshaven unter besonderer Berücksichtigung der Betriebsunfälle und Berufskrankheiten; eine Uebersicht über die Jahre 1930–38. Arch. Gewerbepath., 1940–41, **10**: 133–50. Also J. Indust. Hyg., 1941, **23**: Suppl., 168 (Abstr.)

NEBRASKA Army Alpha Revision.

See under **Intelligence test.**

NECK.

See also **Fracture**—by site: Vertebra; **Head injury,** Head and neck; **Surgical technic,** Neck; **Thorax.**

Bistriceanu, I. V. [Histopathological and clinico-therapeutic observations in cervico occipital cellulitis] Rev. san. mil., Bucur., 1932, **31**: 266–70.—**Chabrillat, A., Geyer, A., & Bathias, J.** Deux cancers à forme malphighienne, apparemment primitifs, de la région antéro-latérale du cou; branchiomes malins? Rev. méd. nav., Par., 1948, **3**: 287–93.—**Doubourcau.** Cellulite diffuse du cou traitée par intervention chirurgicale et sérothérapie antigangréneuse; guérison. Bull. Soc. méd. mil. fr., 1924, **18**: 94–9.—**Johns, O. L., & Wasley, M. T.** Suppurative cervical cellulitis of dental origin. Bull. U. S. Army M. Dep., 1948, **8**: 716–20.—**Llorente Pollo, P.** Las adenopatías cervicales de la infancia. Med. & cir. guerra, 1947, **9**: 251–61.—**Lyons, S. C., & Linden, A. C.** Abscess of prevertebral cervical fascial space as complication of scarlet fever. U. S. Nav. M. Bull., 1945, **45**: 951–4.—**Marshall, L. R.** Deep infections of the neck; five cases of pharyngomaxillary abscess. Med. Bull. Veterans Admin., 1940–41, **17**: 7–18.—**Michard.** Un cas de fistule congénitale complète de la région latérale du cou. Bull. Soc. méd. mil. fr., 1947, **41**: 107–9.—**Middlestadt, C. D.** Sarcoma of neck; report of case following trauma. U. S. Nav. M. Bull., 1926, **24**: 88–91, pl.—**Riva, U.** Contributo alla diagnosi dei tumori pulsanti della base del collo. Gior. med. mil., 1908, **56**: 190–9.—**Stewart, M. B.** Deep infections of the neck. Mil. Surgeon, 1942, **91**: 426–32.—**Vance, D. H., & Whitelaw, G. P.** Diffuse deep submaxillary cellulitis treated by penicillin; report of a case. U. S. Nav. M. Bull., 1945, **45**: 542–5.—**Wald, S. S.** Chemotherapy and x-ray radiation in treatment of cellulitis of the head and neck. Ibid., 1944, **43**: 1200–4.

——— Injury.

See also **Larynx; Pharynx; Throat.**

NEIFAKH, E. A. Огнестрельные ранения гортани и трахеи. p. 139–219. 26½cm. Moskva, 1950.

In: Opyt sovet. med. Velik. otеč. vojne, Moskva, 1950, **8**:

TENEFF, S. Le ferite d'arma da fuoco del collo. p. 750–802. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Aboulker, P. De 40 plaies cervicales de guerre (cou et nuque) Ann. otolar., Par., 1944–45, **12**: 488–97. ——— **Paillard, C. H., & Ottombre, L.** De 40 plaies cervicales de guerre (cou et nuque) Mém. Acad. chir., Par., 1946, **72**: 91.—**Abruzzini, P.** Indirizzi di cura nelle ferite di guerra del collo e del torace. Minerva med., Tor., 1941, **32**: pt 1, 560–3. ——— Methods of treatment of war wounds of the neck and thorax. Surg. Gyn. Obst., 1942, **74**: Suppl., 188.—**Andrade Médicis, J. de.** Ferimentos de guerra do pescoço. Impr. méd., Rio, 1943, **18**: No. 352, 84–96.—**Bailey, H.** Wounds of the neck. In his Surg. Modern Warf., Edinb., 1940–41, 670–9. Also 2. ed., Balt., 1942, **1**: 320–9.—**Banaitis, S. I.** Povreždenija šei. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A.) Moskva, 1942, 266–76.—**Bookstaver, P. I.** Horner's syndrome following gunshot wound of the neck. U. S. Nav. M. Bull., 1946, **46**: 567–70.—**Greifenstein, A.** Kriegserfahrungen bei Schussverletzungen des Halses. Jahrkurs. ärztl. Fortbild., 1943, **34**: H. 11, 1–12. ——— Kriegsverletzungen des Halses. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 269–300. Also Wien. klin. Wschr., 1943, **56**: 730.—**Guisez.** La laryngoscopie directe, la trachéo-bronchoscopie et l'oesophagoscopie au service des blessés de guerre. Gaz. méd. Paris, 1916, **87**: 19.—**Guleke, N.** Hals. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 561–98.—**Hallopeau, H.** Deux plaies du cou opérée dans une ambulance. Bull. Soc. chir. Paris, 1915, n. ser., **41**: 70.—**Henle.** Weichteilen des Halses. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 400.—**Hill, W.** Shell wound of neck. Proc. R. Soc. M., Lond., 1914–15, **8**: Laryng. Sect., 123.—**Holt.** Wounds of neck. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 158–68. ——— Wounds of large vessels of neck. Ibid., 164.—**Horne, W. J.** Case of shrapnel wound of the neck; injury to buccal cavity; exit beneath angle of jaw on opposite side. Proc. R. Soc. M., Lond., 1914–15, **8**: Laryng. Sect. 73.—**Hurst, J. H.** Perforating wound of the neck, with comminuted fractures of cervical vertebrae but no injury to vessels. Med. Bull. Veterans Admin., 1939–40, **16**: 184.—**Kindler, W.** Die frischen Schussverletzungen des Halsgebietes, dargestellt auf Grund der Erfahrungen in einem frontnahen Kriegslazarett. Arch. Ohr. &c. Heilk., 1943–44, **153**: 343–52.—**McGrigor, D. B., & Samuel, E.** The radiology of war injuries; war wounds of the head and neck. Brit. J. Radiol., 1945, **18**: 221–8.—**Morisson.** Extraction d'un projectile du cou à la partie antérieure et médiane de la 3e cervicale. Bull. Soc. méd. mil. fr., 1922, **16**: 279–81.—**Oltramare, J. H.** Plaies du cou. In his Chir. guerre, Lausanne, 1944, 324–32.—**Petrov, N. N.** Ranenija šei. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 276–9.—**Ramm, M. G.** Povreždenija šei. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 202–9.—**Stahl, O.** Die Kriegsschussverletzungen des Halses. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 222–33. Also 6. Aufl., Dresd., 1943, 249–59. ——— Die Verletzungen des Halses. Ibid., 9. Aufl., Dresd., 1944, 252–63.—**Stuart-Low, W.** Shrapnel embedded in the neck. Proc. R. Soc. M., Lond., 1917–18, **11**: Sect. Laryng., 120.—**Teneff, S.** Generalità sulle ferite d'arma da fuoco del collo. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 751–7; illust. ——— Le ferite d'arma da fuoco dei vasi del collo. Ibid., 778–95, illust. ——— Le ferite d'arma da fuoco dei nervi del collo. Ibid., 793–7, illust. ——— Le ferite da armi bianche del collo. Ibid., 798. ——— La ferite sottocutance del collo da agenti traumatizzanti ottusi. Ibid., 799.—**Thomson, StC.** Case of an officer shot through the neck. Proc. R. Soc. M., Lond., 1914–15, **8**: Laryng. Sect., 125–7.—**Troutt, J. M.** Transfixion wound of neck. U. S. Nav. M. Bull., 1928, **26**: 643–6, pl.—**Two** curious bullet wounds of the neck . Hospital, Lond., 1915, **57**: 333.—**Wexberg, E.** Gewehrsteckschuss in der linken Halsseite. Wien. klin. Wschr., 1917, **30**: 1503.—**Wiser, H. J., & McAfee, M. F.** Injuries of the face and neck in war casualties. U. S. Nav. M. Bull., 1946, **46**: 57–66.—**Zimmerman, I.** K kazuistike raninj perednej oblasti šei. Voen. med. J., S. Peterb., 1891, **170**: Unoff. pt, 1. sect., 305–25.

NEEDLE.

See also **Instrument; Needle holder; Therapeutics,** Injection.

Königsberg, E. J. [The Record syringe needle in place of the Dufaut needle] Voen. san. delo, 1943, No. 10, 55.—**Method** of preparing hypodermic needles for multiple injections. U. S. Nav. M. Bull., 1941, **39**: 567.—**Petroff** (The) needle for large-scale blood collections. Bull. U. S. Army M. Dep., 1946, 5: 507.—**Samborski, V. S.** Stranstvuet li igla v tele; experimentalnoe izsledovanie. Raboty Proped. khir. klin. Oppel, S. Peterb., 1910, **2**: 97–110.

NEEDLE holder.

See also preceding heading.

Parsons, H. H. A holder for the insertion of sternal transfusion needles. Mil. Surgeon, 1945, **97**: 155.—**Webster, G. V.** A new needle holder for plastic surgery. U. S. Nav. M. Bull., 1943, **41**: 1434–9.

NEGATIVE acceleration.

See **Acceleration, negative.**

NEGATIVISM.

See under **Neurosis,** Depressive state; **Psychosis.**

NEGRO.

See also **Personnel.**

UNITED STATES. WAR DEPARTMENT. War Department pamphlet No. 20–6: Command of Negro troops, 29 February 1944. 20p. 23½cm. Wash., 1944.

Barber, H. G. With Negro troops. Army Doctor, 1942, **1**: No. 5, 8.—**Ford, J. H.** The service of Negroes in Hospital Corps detachments. J. Ass. Mil. Surg. U. S., 1906, **18**: 187–90.—**Francis, G. H.** The participation of the Negro in national defense. J. Nat. M. Ass., N. Y., 1941, **33**: 92–4.—**Frazier, E. F.** Ethnic and minority groups in wartime, with special reference to the Negro. Am. J. Sociol., 1942–43, **48**: 369–77.

NEISSERIA.

See also under **Gonorrhea,** Neisseria.

Weckstein, A. M. A rapid method for the primary isolation and identification of Neisseria. U. S. Nav. M. Bull., 1945, **45:** 889–94. ——— & **Rasmussen, S. H.** A bacteriologic study of the resistance of organisms isolated from cases of non-specific urethritis to three chemotherapeutic agents. Mil. Surgeon, 1946, **99:** 312–6.

NEMATODA.

See also **Helminthology; Helminthosis.**

Mink, O. J. Preliminary note on a nematode found in the liver of a wild rat. U. S. Nav. M. Bull., 1909, **3:** 52.—**Moss, E. S.** Nematode infestation in patients at United States Veterans' Hospital No. 45, Biltmore, N. C. Pub. Health Rep., Wash., 1922, **37:** 1457.

NEPHRITIS.

See also **Injury,** Crush and contusion; **Kidney,** Disease; **Nephrosis.**

Fotioo, G. J. Nephritides. Med. Bull. Europ. Command, 1949, **6:** No. 10, 33–41.—**Kunkel, E. P.** The physiology, pathology and diagnosis of nephritis. U. S. Nav. M. Bull., 1935, **33:** 44–54, 3 pl.—**Vovsi, M.** Nefrity. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1336–43.

—— Clinical aspect.

Heatly-Spencer, J., & Dixon, H. B. F. An uncommon type of chronic nephritis. J. R. Army M. Corps, 1934, **62:** 425.—**Vovsi, M. S., & Sulcev, G. P.** Osobennosti kliniki i simptomatologii ostrogo nefrita. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, **22:** 60–85. ——— Osobennosti kliniki i simptomatologii khroničeskogo nefrita. Ibid., 85–90. ——— Tečenic i osložnenija nefritov. Ibid., 91–111.

—— Diagnosis.

Percev, K. N. K voprosu ob ocenke nekotorykh patologićeskikh elementov moći pri vospalenijakh poćek. Voen. med. J., S. Peterb., 1904, **2:** Med. spec. pt, 86–109.—**Săndulescu, C.** Orientări practice in diagnosticul nefritelor. Rev. san. mil., Bucur., 1934, **33:** 405–7.—**Vovsi, M. S., & Sulcev, G. P.** Diagnostika nefritov i hospitalizacia bolnykh. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, **22:** 55–9.

—— epidemic.

Gironés, L., & Roca, J. Nefritis epidémica. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 449–55.—**Korting, G., & Uebel, H.** Istraživanja o filtrabilnom izazivaču epidemičnog nefritisa. Voj. san. pregl., Beogr., 1949, **6:** 122–6.

—— Etiology.

Dudley, S. F. Toxic nephritis following exposure to carbon tetrachloride and smoke fumes. J. R. Nav. M. Serv., 1935, **21:** 296–314.—**Factors** influencing nephritis. Statist. Navy M., 1949, 5: No. 8, 8–10.—**Galkin, I. R.** Etiologia nefritov. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, **22:** 25–31.

—— Field nephritis.

See as main heading **Nephritis (war)**

—— Glomerulonephritis.

Bonetti Dupont, C. A. La papaverina endovenosa en la fase aguda de la glomérulonefritis difusa. Rev. san. mil., B. Air., 1941, **40:** 943.—**Kerger, H.** Die Diagnose der akuten Glomerulonephritis im Felde. Deut. Militärarzt, 1943, **8:** 17–20.—**Olascoaga, M. L.** Sulfamidas en las glomérulonefritis difusas agudas con procesos piógenos. Rev. san. mil., B. Air., 1946, **45:** 52–63.—**Siffre.** Réflexions à propos de dix cas de glomérulonéphrites opérées. Bull. Soc. méd. mil. fr., 1949, **43:** 109.

—— Incidence.

Incidence of acute and chronic nephritis. Statist. Navy M., 1949, 5: No. 6, 7–9.

—— Pathogenesis and pathology.

Gounell, H. F. H. Chlorures; chlore et néphrites. Arch. méd. pharm. mil., 1933, **98:** 135–54.—**Molotkov, V. G.** Patologićeskaja anatomia i patogenez nefritov. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, **22:** 32–54, 2 pl.—**Osman, A. A.** Studies in Bright's disease; the late results of acute nephritis in soldiers and civilians. Guy's Hosp. Rep., Lond., 1936, **86:** 93–107.—**Pasqualini, R. O., & Lascalea, M. C.** Alteraciones pleuropulmonares en las nefritis agudas. Rev. san. mil., B. Air., 1944, **43:** 1392–408.—**Rosenheim, M. L.** The nephron in nephritis. J. R. Army M. Corps, 1946, **86:** 218–20.

—— Treatment.

Dumitrescu-Popovici, I. [Principles of diet in Bright's disease] Rev. san. mil., Bucur., 1939, **38:** 78–82.—**Gibson, A. G.** The treatment of nephritis amongst recruits. Med. Press & Circ., Lond., 1944, **211:** 51.—**Morozov, A. P.** O lećenii Morbus Brightii posredstvom Lichenis islandici. Voen. med. J., S. Peterb., 1898, **193:** Med. spec. pt, 307–10.—**Vovsi, M. S., Galkin, I. R., & Suljcev, G. P.** Lećenie i iskhody nefritov. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, **22:** 112–8.

—— Trench nephritis.

See **Nephritis (war)**

—— in animals.

Lamont, A. A. An investigation into an outbreak of acute nephritis. J. R. Army Vet. Corps, 1945–46, **17:** 31–3.

NEPHRITIS (war)

Syn: Field nephritis; Trench nephritis.

See also **Nephritis,** epidemic.

Bulić, F., Cerlek, S. [et al.] Pojava ratnog nefritisa u oslobodilačkom ratu u Jugoslaviji. p.129–86. 24cm. Zagreb, 1947.
In: Acta med. iugosl., 1947, **1:**

Pilgerstorfer, W. Die Nephritiden, unter besonderer Berücksichtigung der sogenannten Feldnephritis. 266p. 24½cm. Wien, 1948.

Aschenbrenner. Nachkriegsfragen zur Feldnephritis. Med. Rdsch., Mainz, 1947, **1:** 327. Also Klin. Wschr., 1948, **26:** 29. Also Med. Klin., Berl., **43:** 119.—**Assmann.** Kriegsnephritis. Klin. Wschr., 1943, **22:** 762; 1944, **23:** 291. Also Deut. med. Wschr., 1944, **70:** 50.—**Benelli, R.** Contributo alla conoscenza delle nefriti acute di guerra. Gior. med. mil., 1937, **85:** 37–48.—**Berglund, H.** [On war nephritis] Nord. med. 1939, **4:** 3472–4. Also Sven. läk. tidn., 1939, **36:** 2371–7. Also in Handledn. & Försvarsmed., Stockh., 1940, **1:** 249–55.—**Bernard, A.** Néphrite de guerre. Progr. méd., Par., 1918, 3. ser., **33:** 357.—**Bradford, J. R.** War nephritis. In: Oxford Med. (Christian, H. A., ed.) N. Y., 1940, **3:** 773–81.—**Douthwaite, A. H.** War nephritis. Med. Press & Circ., Lond., 1940, **204:** 396. Also in Mod. Treatm. Yearb. (Wakeley, C. P. G.) Lond., 1941, 256–9.—**Evans, G.** Trench nephritis (war nephritis) Med. Press & Circ., Lond., 1941, **206:** 68–70. Also Mod. Treat. Yearb., Lond., 1942, **8:** 241–6.—**Falkensammer, L.** Die Kriegsnephritis. Wien. med. Wschr., 1943, **93:** 363–70.—**Garin, G.** Sulla cosiddetta nefrite di guerra. Boll. Accad. med. pistoiese, 1941, **14:** 127–32.—**Gerhardt.** Kriegsnephritis. Münch. med. Wschr., 1917, **64:** 56.—**Gingui & Francesco.** Le néphrite aiguë chez le soldat en campagne. Praxis, Bern, 1942, **31:** 728 (Abstr.)—**Giordano, A.** La nefrite di guerra. Clinica, Bologna, 1942, **8:** 309–37.—**Gouget, A.** Les néphrites de la guerre. Presse méd., 1918, **26:** 553.—**Hurst, A.** War nephritis. In his Med. Dis. War, 2. ed., Lond., 1941, 342–53. Also 3. ed., Lond., 1943, 422–34.—**Izar, G.** Nefriti di guerra. Schweiz. med. Wschr., 1942, **72:** 53 (Abstr.)—**Jelinghoff, W.** Ueber die Feldnephritis. Deut. Militärarzt, 1944, **9:** 330–3.—**Kahn.** Ueber Kriegsnephritis. Münch. med. Wschr., 1917, **64:** 1177.—**Keith, N. M.** The problem of acute nephritis in soldiers on active duty. Mil. Surgeon, 1927, **60:** 529–31.—**Kogan, G.** [War nephritis] Feldsher, Moskva, 1944, No. 6, 27–9.—**Kolischer, G.** War nephritis; a suggestion. Urol. Cut. Rev., 1942, **46:** 554–6.—**Lichtwitz, L.** Trench nephritis. Proc. Rudolf Virchow M. Soc. N. York, 1942, **1:** 39–42.—**Lœderich.** Les néphrites de guerre. Progr. méd., Par., 1918, 3. ser., **33:** 303.—**Macht, D. I.** A referat on trench nephritis. Virginia M. Semimonth., 1917–18, **22:** 240.—**McWalter, J. C.** Trench nephritis. Med. Press & Circ., Lond., 1917, **104:** 492.—**Magnus-Alsleben.** War nephritis. Brit. M. J., 1917, **2:** 128.—**Malkova, M. N.** Ostryj nefrit voennogo vremeni. Sovet. med., 1948, **12:** No. 7, 20.—**Nissen, K.** Feldnephritis. Aerztl. Feldpost., 1945, No. 2, 3. Also Med. Mschr., 1948, **2:** 457–61.—**Pilgerstorfer, W.** Die Kriegsnephritis. Wien. klin. Wschr., 1943, **56:** 78; 330. Also Wien. med. Wschr., 1943, **93:** 162–4.—**Randerath.** Kriegsnephritis. Deut. med. Wschr., 1944, **70:** 49.—**Reuter, A., & Schäfer, W.** Feldnephritis und Wolhynisches Fieber. Münch. med. Wschr., 1943, **90:** 437–40.—**Segal, A. E.** [War nephritis] Feldsher, Moskva, 1944, 53.—**Sylla.** Feldnephritis. Deut. med. Wschr., 1944, **70:** 50.—**Vilensky, L. I.** [Acute nephritis in wartime] Klin. med., Moskva, 1943, **21:** No. 9, 31–5.—**Voennyj** nefrit. Med. rabot., 1946, **9:** No. 3, 4.—**Voit.** War nephritis; clinical variations, etiology, geographical distribution. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 116–20; Disc., 123–6.—**Volhard, F.** Die Feldnephritis. Deut. med. Wschr., 1939, **65:** 1649–54. ——— & **Sponholz.** War nephritis. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 151–65.—**Vovsi, M. S.** [Acute nephritis of wartime] Voen. san. delo, 1943, No. 7, 15–9.—**War** nephritis. Brit. M. J., 1917, **2:** 766. Also Lancet, Lond., 1918, **2:** 362.—**War** nephritis. J. R. Army M. Corps, 1940, **74:** 286–91.—**Zakrzhevsky, E. B.** Ob ostrykh nefritakh voennogo vremeni. Vrach. delo, 1946, **26:** 511–6.

—— Clinical aspect.

Arnold, O. H. Die sogenannte Feldnephritis; klinische Studie zur Symptomatologie, Pathogenese und Aetiologie einer akuten diffusen Gefässerkrankung infektiöser Genese. 154p. 21cm. Lpz., 1944.

Arnold, O. H. Ueber abortive Verlaufsformen der sogenannten Feldnephritis. Münch. med. Wschr., 1943, **90:** 547–9.—**Bache, S.** Akut ødemsygdom. Ugeskr. laeger, 1947, **109:** 649.—**Dietrich, S.** Ueber die Entstehungsbedingungen und das Symptomenbild der Feldnephritis. Klin. Wschr., 1943, **22:** 715–22.—**Giugni, F.** Le nefriti di guerra; andamento clinico; etiopatogenesi; cause di diffusione e indirizzo profilattico. Policlinico, 1941, **48:** sez. prat., 1523–30.—**Hempel-Jørgensen, P.** Acut ødemsygdom. Ugeskr. laeger, 1947, **109:** 671.—**Iversen, P., & Bjørneboe, M.** Nogle tilfælde af akut ødemsygdom; monosymptomatisk krigsnefritis? Ibid., 581.—**Jacobi, J., & Dörschel, W.** Erkenntnisse aus einem Nierensonderlazarett. Deut. Arch. klin. Med., 1949, **194:** 34–48. —— & **Kreyenberg.** Beobachtungen bei über 800 Fällen von Feldnephritis. Münch. med. Wschr., 1943, **90:** 491–5.—**Krause.** Beobachtungen bei der Feldnephritis in einem Feldlazarett. Med. Klin., Berl., 1944, **40:** 75–9.—**Lecchini, L.** Osservazioni personali sulle nefriti di guerra del fronte greco-albanese con speciale riguardo alla sintomatologia iniziale. Boll. Accad. med. pistoiese, 1941, **14:** 141–4.—**Lilla.** Osservazioni sulle nefriti dei combattenti. Ibid., 137–9.—**Lind, G.** Nogle tilfælde af akut ødemsygdom; monosymptomatisk krigsnefritis? Ugeskr. laeger, 1947, **109:** 461–7.—**Lunedei, A.** Sugli aspetti clinici della nefrite nei combattenti. Riv. osp., 1942, **32:** 148.—**Marner, B.** Nogle tilfælde af akut ødemsygdom; monosymptomatisk krigsnefritis? Ugeskr. laeger, 1947, **109:** 584.—**Mennella, A.** Trasporto di ferita in alta montagna; nefriti in trincea; ittero infettivo. Fol. med., Nap., 1917, **3:** 97; 329; 365.—**Mriakhina, O. A.** Osobennosti kliniki ostrogo nefrita v uslovijakh voennogo vremeni. Vrach. delo, 1946, **26:** 509–12.—**Salomon, H.** Ueber einen Fall von rezidivierender febriler Herdnephritis begleitet von hämolytischem Ikterus. Schweiz. med. Wschr., 1945, **75:** 570.—**Schäfer, W., & Reuter, A.** Verlaufsformen der Feldnephritis. Med. Klin., Berl., 1944, **40:** 337; 377.—**Shilman, M. G.** [Clinical characteristics of the so-called war nephritis] Klin. med., Moskva, 1943, **21:** No. 9, 35–9.—**Terzani, A.** Impressioni da alcuni casi di nefrite in soldati provenienti dal fronte greco-albanese. Boll. Accad. med. pistoiese, 1941, **14:** 133–5.—**Thygesen, P.** Nogle tilfælde af akut ødemsygdom. Ugeskr. laeger, 1947, **109:** 648. –**Voit.** Zur Klinik der Feldnephritis. Jahrkurs. ärztl. Fortbild., 1942, **33:** H. 6, 15–20. —— Felderfahrungen bei der Kriegsnephritis. Klin. Wschr., 1943, **22:** 762. —— Felderfahrungen der Feldnephritis. Deut. med. Wschr., 1944, **70:** 50.—**Wendt, H., & Landes, G.** Feldnephritis und Hungerödem. Med. Klin., Münch., 1947, **42:** 666–8.

—— Diagnosis.

Trench nephritis; importance of early diagnosis. Brit. M. J., 1940, **1:** 987.

—— Etiology.

See also **Rickettsiasis.**

Ass-Leonardow, E. *Contribution à l'étude des néphrites de guerre; étiologie spirochétienne de certaines d'entre-elles. 83p. 8° Par., 1937.

Bühler, F. Zur Aetiologie der Feldnephritis. Med. Klin., Berl., 1944, **40:** 334–7.—**Campatelli, V.** I foci orali. Boll. Accad. med. pistoiese, 1941, **14:** 147–54.—**Célice, J., & Albeaux-Fernet, M.** Forme rénale pure de spirochétose (rapports possibles avec les néphrites de guerre) Ann. méd., Par., 1935, **38:** 70–8.—**Coruzzi, C.** Considerazioni etiopatogenetiche sulla nefrite di guerra. Athena, Roma, 1947, **13:** 19–21.—**Deschwanden, J.** Die Feld- oder Kriegsnephritis und deren Kälteätiologie. Vjschr. schweiz. Sanitätsoff., 1944, **21:** 189–202.—**Giugni, F.** Le nefriti acute fra le truppe operanti; l'etiologia streptococcica? terapie e profilassi. Policlinico, 1941, **48:** sez. pat., 1799–805. Also Boll. Accad. med. pistoiese, 1941, **14:** 109. Also Riv. osp., 1942, **32:** 149.—**Gounelle, H.** De l'origine spirochétienne des néphrites de guerre. Arch. méd. pharm. mil., 1934, **100:** 293–6. —— Sur un cas de spirochétose rénale à forme chlorurémique s'apparentant à certaines néphrites de guerre. Bull. Soc. méd. mil. fr., 1935, **29:** 48–50.—**Jocksimovitch & Matauchek, K.** Etiologie des néphrites de guerre. Rev. Corps san. mil., Par., 1946, **2:** 153.—**Ledergerber, E.** Ist die Feldnephritis eine Knallquecksilbervergiftung? Schweiz. med. Wschr., 1950, **80:** 51–6.—**Lippmann.** Beitrag zur Aetiologie der Kriegsnephritis. Münch. med. Wschr., 1917, **64:** 603.—**Meyer, K. L.** Der Einfluss der Tonsillektomie auf den Verlauf der Feldnephritis. Med. Klin., Berl., 1944, **40:** 491.—**Schwieck, H.** Transformación de las enfermedades; investigaciones sobre la nefritis de guerra y la ictericia epidémica. Casa del médico, 1944, 2. época, No. 38, 42.—**Sylla.** Zur Aetiologie und Genese der Feldnephritis. Klin. Wschr., 1943, **22:** 762. —— **Korth, W., & Pankow, J.** Ueber die Ursache der Feldnephritis mit Bemerkungen zum Erscheinungsbild und zur Behandlung. Deut. Militärarzt, 1943, **8:** 311–4.

—— Incidence.

Assmann, H. Beobachtungen über sog. Feldnephritis in der Nachkriegszeit. Deut. med. Wschr., 1946, **71:** 45–8.—**Becher, E.** Schützengrabennephritis des Weltkrieges. Münch. med. Wschr., 1941, **88:** 1–6.—**Johannessen, A. S., & Aanonsen, A.** Trench nephritis blant norsk sivilbefolkning. Tskr. Norske laegeforen., 1946, **66:** 677–9.—**Kramer, P. H.** De oorlogsnephritis uit de beide wereldoorlogen. Ned. tschr. geneesk., 1949, **93:** 2103.—**Meyer-Heck, P.** Kurze Beobachtung über die Feldnephritis im Winter 1942–43. Münch. med. Wschr., 1944, **91:** 429.—**Stuhlfauth, K.** Epidemiologie und Symptomatologie der Feldnephritis bei deutschen Truppen am Polarkreis. Klin. Wschr., 1944, **23:** 272–6.—**Thompson, A. W. S., & Whittles, J. H.** Field nephritis in the German army. J. R. Army M. Corps, 1945, **85:** 191–8.

—— Pathogenesis.

Aschenbrenner, R. Pathogenetischer Rückblick auf das Thema Feldnephritis. Klin. Wschr., 1948, **26:** 161–8.—**Barczyk, W.** Zur Pathogenese und Therapie der Feldnephritis. Zschr. ärztl. Fortbild., 1943, **40:** 335–8.—**Fahr, T.** Zur Frage der sogenannten Feldnephritis. Klin. Wschr., 1944, **23:** 125–7.—**Frank.** Ein Beitrag zur Kriegsnephritis unter besonderer Berücksichtigung der Pathogenese. Münch. med. Wschr., 1944, **91:** 111–4.—**Habs, H.** Zur Pathogenese der Kriegsnephritis. Aerztl. Wschr., 1947, **1:–2:** 1097–100.—**Henke', G.** Die Feldnephritis, eine Dienzephalose. Münch. med. Wschr., 1943, **90:** 392–4.—**Nonnenbruch.** Pathogenese der Kriegsniere. Klin. Wschr., 1943, **22:** 762. Also Deut. med. Wschr., 1944, **70:** 50.—**Pilgerstorfer, W.** Zur Stellung der Kriegsnephritis im Nephritisproblem. Wien. med. Wschr., 1943, **93:** 523–8. —— Pathogenese, Klinik und Therapie der Kriegsnephritis. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 449–80.—**Rüdisser, E.** Beobachtungen zur Pathogenese und Aetiologie von Nierenentzündungen im Feldzug im Osten Winter 1941–42. Münch. med. Wschr., 1942, **89:** 863–6.—**Voit, K.** Zur Pathogenese der Feldnephritis. Klin. Wschr., 1946–47, **24:–25:** 14–6.

—— Pathology.

Arnold, O. H. Ueber die akuten diffusen Erkrankungen des Gefässsystems (zur Symptomatologie, Behandlung und Pathogenese der sogenannten Feldnephritis) Deut. Arch. klin. Med., 1943, **190:** 557–81.—**Blumberger, K.** Herzschädigung und Herzinsuffizienz bei der Feldnephritis. Med. Mschr., 1948, **2:** 68–73.—**Bohn, H., & Feldmann, H.** Häufige Beobachtungen von schwerer Myokarditis während des Verlaufs der akuten diffusen Kriegsnephritis. Klin. Wschr., 1946–47, **24–25:** 229–33.—**Brix.** Ungleiche Erkrankung beider Nieren bei Kriegsnephritis? Med. Klin. Berl., 1918, **14:** 763.—**Evans, J. J.** Fundus lesion in cases of war nephritis. Birmingham M. Rev., 1917, **82:** 1–4.—**Oberhoff, K.** Augenhintergrundbefunde bei Feldnephritis. Münch. med. Wschr., 1944, **91:** 90.—**Randerath, E.** Die pathologische Anatomie der Kriegsnephritis. Klin. Wschr., 1943, **22:** 761. —— Die pathologische Anatomie der Kriegsnephritis. Deut. Arch. klin. Med., 1947–48, **193:** 119–56.

—— Physiopathology.

Bongini, O. Il ricambio dei derivati proteici nella nefrite di guerra del fronte greco-albanese. Boll. Accad. med. pistoiesc, 1941, **14:** 117–20. —— Cutireattività di natura metabolica nei nefritici del fronte greco-albanese. Ibid., 121–4.—**Borghi, B.** Aspetti fisiopatologici della nefrite di guerra del fronte greco-albanese. Ibid., 79–105. —— Sugli aspetti fisiopatologici della nefrite nei combattenti. Riv. osp., 1942, **32:** 148.—**Comi, G.** Ricerche sull'albuminuria della nefrite di guerra del fronte greco-albanese. Boll. Accad. med. pistoiese, 1941, **14:** 111–5. —— Ricerche sull'albuminuria in rapporto al quadro clinico della nefrite di guerra. Riv. osp., 1942, **32:** 150.—**Dovicchi, S.** Le variazioni leucocitarie nella glomerulonefrite del fronte greco-albanese e il loro significato prognostico. Boll. Accad. med. pistoiese, 1941, **14:** 125.—**Falkenhausen.** Zur Defektheilung der Kriegsnephritis. Münch. med. Wschr., 1917, **64:** 1154.—**Fieber, E., Pilgerstorfer, W., & Rolier, D.** Die Permeabilitätsstorung im Blut der Feldnephritis gegenüber Rhodanverbindungen. Wien. med. Wschr., 1946, **96:** 288–91.—**His, W.** Kriegsnephritis ohne Eiweiss. Med. Klin., Berl., 1918, **14:** 1.—**Kopp, H., & Jung, F.** Lymphstromgeschwindigkeit und Feldnephritis. Klin. Wschr., 1944, **23:** 340.—**Lepeschkin, E., & Pilgerstorfer, W.** Kreislaufdynamische Untersuchungen zur Frage der Genese des Hochdruckes bei der akuten Nephritis, insbesondere der Feldnephritis. Ibid., 1946–47, **24–25:** 774–85.—**Löhlein, M.** Bemerkungen zur sogenannten Feldnephritis. Med. Klin., Berl., 1916, **12:** 922.—**Munk, F.** Doppeltbrechende Lipoide bei der Kriegsnephritis. Ibid., 1917, **13:** 530.

—— Prognosis.

Dyke, S. C. The prognosis in trench nephritis. Lancet, Lond., 1918, **2:** 320–2.—**Magnus-Alsleben, E.** Ueber die Folgezustände der Kriegsnephritis. Deut. med. Wschr., 1928, **54:** 1914–6.

—— Treatment.

Elovainio, E. [War-nephritis and its treatment] Duodecim, Helsin., 1938, **54**: 1089–94.—**Hantschmann.** Die Behandlung der Kriegsnierenentzündung. Deut. med. Wschr., 1943, **69**: 685–7.—**Lainer, F.** Die Behandlung und Beurteilung der Kriegsnephritis. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 427–48.—**Mark, R. E.** Herdsanierung bei nicht primär ausgeheilten Feldnephritiden. Aerztl. Wschr., 1946–47, **1–2**: 715–8.—**Rojnova, Z. I.** [Peculiarities of the course of acute and chronic glomerulonephrites in wartime] Klin. med., Moskva, 1944, **22**: No. 10, 38–44.

NEPHROLITHIASIS.

See also **Urology**, surgical; **Urogenital apparatus.**

Acero Santamaria, E. Anuria calculosa en riñón único. Med. & cir. guerra, 1946, **8**: No. 17, 65–8.—**Aldridge, C. W.** Lumbar sympathetic block; a method of treating renal colic and renal suppression in calculus disease. Circ. Chief Surgeon's Off. U. S. Army Forc. Pacific, 1947, No. 14, 23–6.—**Bailey, M. K.** Nephrolithiasis as a complication of bone injury. Med. Bull. North Afr. Theater U. S., 1944, **2**: 36.—**Carson, V. H.** Renal calculus; a report of operative cases. U. S. Nav. M. Bull., 1932, **30**: 185–93.—**Christian, E.** La pyélotomie angulaire dans la calculose du bassinet avec application dans le domaine médico-militaire. Sess. Off. internat. docum. med. mil., 1938, 8. sess., 357–64.—**Coleman, S. R.** Management of unilateral calculus obstruction. Med. Bull. Veterans Admin., 1937–38, **14**: 260.—**Dante, F.** Un caso di voluminoso calcolo renale con pionefrosi guarito con la nefro-litotomia. Ann. med. nav., Roma, 1925, **2**: 54–63.—**Davidović, S.** [Surgical experiences in nephrolithiasis] Voj. san. glasnik, 1931, **2**: 759–83.—**Decubitus** and calculus formation. Bull. Army M. Dep., Lond., 1945, No. 50, 6–8.—**Delorme.** Lithiase rénale, grippe et pyonéphrose. Bull. Soc. méd. mil. fr., 1921, **15**: 331–3.—**Desautels, A. J.** The etiology and management of nephrolithiasis. U. S. Nav. M. Bull., 1936, **34**: 296–300.—**Finny, C. M.** An unusual combination of complications. J. R. Army M. Corps, 1935, **65**: 195.—**Holmes, J. McA.** Renal calculi followed by renal fistula; nephrectomy. J. R. Nav. M. Serv., 1924, **10**: 292–4.—**Imperiale, C.** Contributo alla conoscenza della litiasi renale latente. Gior. med. mil., 1928, **76**: 531–6.—**Keeler, C. C.** Three interesting surgical cases: perforation of renal calculus into abdominal cavity; spontaneous renal fistula; thyroidectomy. Med. Bull. Veterans Admin., 1937–38, **14**: 273–8.—**Lagleize, G., & Matera, R. F.** Cálculo voluminoso coraliforme del riñón. Rev. san. mil., B. Air., 1941, **40**: 225.—**Marks, B. E.** Symptomless calculous pyonephrosis. Mil. Surgeon, 1943, **92**: 436–9.—**Paul, E. H.** Bone suppuration the basic cause of renal calculus in twenty cases following war-wounds. Canad. M. Ass. J., 1922, **12**: 638–43. Also J. Urol., Balt., 1923, **9**: 345–65.—**Shaw, A. C.** Renal calculi. J. R. Nav. M. Serv., 1934, **20**: 373–8.—**Stalnaker, P. R.** The treatment of renal colic with special emphasis on crystalluria. U. S. Nav. M. Bull., 1947, **47**: 297–301.—**Vintici, V., & Constantinescu, N. N.** [Indications for operation in renal lithiasis] Rev. san. mil., Bucur., 1929, **28**: 301–6.

NEPHROSIS.

See also **Injury**, Crush; **Kidney**, Disease.

Abernethy, A. C., Wilets, A. J., & Boer, D. C. Lower nephron nephrosis; report of two cases treated with intravenous procaine. U. S. Armed Forces M. J., 1950, **1**: 296–308, illust.—**Brace, R. W.** Nephrosis. U. S. Veterans Bur M. Bull., 1931, **7**: 550–4.—**González Alvarez, F., & Segura, A. S.** Concepto actual sobre la patogenia del sindrome nefrosis. Rev. san. mil., B. Air., 1938, **37**: 1115–9.—**Heaton, L. D., Ritchey, S. J.** [et al.] [Lower nephron nephrosis and fat embolism] Bull. U. S. Army M. Dep., 1949, **9**: 319–32.—**Homan, R. H., & Brown, C. E.** Uremia from toxic pigment nephrosis secondary to compression of voluntary muscle; report of fatal case. U. S. Nav. M. Bull., 1945, **45**: 156–60.—**Kaplan, B. I.** Nephritis and nephrosis. Profes. Staff Proc. Halloran Gen. Hosp., 1946, **1**: No. 6, 8–12. Also Bull. U. S. Army M. Dep., 1948, **8**: 219–22.—**Lucké, B.** Lower nephron nephrosis; the renal lesions of the crush syndrome, of burns, transfusions, and other conditions affecting the lower segments of the nephrons. Mil. Surgeon, 1946, **99**: 371–96, 3 pl.—**Pilod, Meersseman, & Noyer.** A propos d'un cas de néphrose lipoïdique. Bull. Soc. méd. mil. fr., 1929, **23**: 74–83.—**Raymond, P. M. E.** Néphrose lipoïdique traitée par injections intra-veineuses de plasma desséché. Ibid., 1949, **43**: 49.—**Reiselman, S. D.** Early amyloid nephrosis in complicated traumas of the bone sustained during war. Arch. Int. M., 1947, **80**: 165–74.—**Simici, D., Popescu, M., & Ciocarlie, D.** Asupra unui caz de nefroză lipoidica pura. Rev. san. mil., Bucur., 1934, **33**: 460–3.—**Snyder, H. E., & Culbertson, J. W.** Pigment nephropathy in battle casualties. Arch. Surg., 1948, 56: 651–71. Also Tr. West. Surg. Ass. (1947) 1948, **55**: 113–33.

NEPHROSO-NEPHRITIS.

For its endemic Far Eastern variety see also under **Epidemic hemorrhagic fever.**

Reznikov, A. I. K voprosu o tak nazyvaemykh infekcionnykh nefrozonefritakh. Voen. san. delo, 1940, No. 6, 25–36.

NERVE.

See also subsequent headings; also **Nervous system.**

Chadwick, L. E., & Hill, D. L. Inhibition of cholinesterase by diisopropyl fluorophosphate, physostigmine and hexaethyl tetraphosphate in the roach. 17p. 27cm. Edgewood Arsenal, 1947.

Forms Rep. No. 107, Med. Div. Chem. Corps U. S. Army.

Gerard, R. W. Neural metabolism and function. Research Rev. (U. S. Navy) 1949, Oct., 16–8.

—— Disease.

See also subsequent headings.

Mikhajlov, S. K вопросу о невромах. p. 201–60. 26cm. 1912.

Izv. Voen. med. akad., S. Peterb., 1912, **24**:

Cullare. Neuropatías. Bol. ejército, Habana, 1932–33, **32**: 140.—**D'Alessandro, R.** Le neuropatie nell'esercito. Riforma med., 1934, **50**: 1540–3.—**Davidenkov, S.** Nervnye bolezni. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1321–4.—**Gagliardone, C. R.** Neuroma plexiforme de Verneuil y Bruns Rev. san. mil. Asunción, 1937–38, **10**: 555, 2 pl.—**Lewandowsky, M.** Erfahrungen über die Behandlung nervenverletzter und nervenkranker Soldaten. Deut. med. Wschr., 1915, **41**: 1565–7.—**Nonne.** Nervenverletzungen und- erkrankungen im Kriege. Ibid., 573.—**Weinstein, E. A., & Gersten, D.** An unusual type of peripheral neuropathy; report of 13 cases. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 5, 9–11.

NERVE block.

See also **Neurosurgery; Novocaine; Surgical technic,** Anesthetization.

Antelo, J. N., & Velasco, R. N. Anestesia troncular del miembro superior. Rev. san. mil., B. Air., 1941, **40**: 944.—**Greene, B. A.** Brachial plexus anesthesia; a report of 150 consecutive cases. Med. Bull. North Afr. Theater U. S., 1944, **2**: 102–4.—**Hingson, R. A., Whitacre, F. E.** [et al.] New horizons in therapeutic nerve block in the treatment of vascular and renal emergencies with continuous caudal and continuous spinal analgesia and anaesthesia. Mil. Surgeon, 1948, **102**: 197.—**Hudon, F., & Paradis, B.** Diagnostic and therapeutic nerve blocks. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 8, 17–22.—**Martin, S. J.** Regional anesthesia in the Army. N. York State J. M., 1944, **44**: 1991–6.—**Phillips, R. B.** How to obtain good results with brachial plexus block anesthesia. Mil. Surgeon, 1944, **95**: 197–9.

NERVE degeneration [and regeneration]

See also **Nerve injury.**

La Tour Mallett, A. E. de. Nerve regeneration: observations on motor and sensory recovery in a case of injury to the radial nerve; summary of sensory phenomena observed between December 11, 1942 and December 11, 1943. J. R. Nav. M. Serv., 1946, **32**: 147–66.—**Pollock, L. J., Golseth, J. G.** [et al.] Reaction of degeneration in electrodiagnosis of experimental peripheral nerve lesions. War. Med., Chic., 1945, **7**: 275–83.—**Regeneration** and functional recovery of nerves in infected wounds. Burned News Lett., Wash., 1945, **6**: 5.—**Shreves, H. B., & Hawkins, G.** A clinical test of nerve regeneration. Bull. U. S. Army M. Dep., 1946, **5**: 110.—**Woodhall, B.** Modern history of peripheral nerve surgery; World War II and the post-war study of peripheral nerve regeneration. J. Am. M. Ass., 1949, **139**: 564–6.

NERVE graft.

See under **Neurosurgery.**

NERVE injury.

See also **Nerve degeneration** [and regeneration] **Neuropsychiatric casualty.**

Lönne, F. *Ueber Kriegsverletzungen des peripheren Nervensystems an der Hand von 60 Beobachtungen in der Chirurgischen Universitätsklinik zu Giessen. 46p. 8°. Giessen, 1916.

Af Björkesten, G. Nervskador. Nord. med., 1941, **9**: 242.—**Babinski, J.** Sur les lésions des nerfs par blessures de guerre. Rev. neur., Par., 1914, **22**: 274–9; Disc., 381.—**Becker, C.** Ueber Kriegsverletzungen des peripherischen Nervensystems. Med. Klin., Berl., 1914, **10**: 1793.—**Bonarelli, G.** Neurologia di guerra in Francia; nervi periferici. Riv. sper. freniat., 1916–17, **42**: 279–97.—**Brenner, C.** Injuries to peripheral nerves; a review of recent literature. War Med., Chic., 1944, **5**: 21–35.—**Bristow, W. R.** Injuries of peripheral nerves in two world wars. Brit. J. Surg., 1946–47, **34**: 333–48.—**Cahen, F.** Kriegsverletzungen der peripheren Nerven. Med. Klin., Berl., 1915, **11**: 237–9.—**Campbell, H.** War injuries of the peripheral nerves.

Practitioner, Lond., 1916, **96**: 62–72.—**Conde Andreu, J.** Algunos comentarios sobre las lesiones traumáticas de los nervios. Rev. españ. med. cir. guerra, 1941, **6**: 96–104.—**Craig, W. M.** War wounds of the peripheral nerves. U. S. Nav. M. Bull., 1943, **41**: 613–24.—**Delitala, F.** Lesioni dei nervi periferici nelle ferite di guerra. Riv. osp., 1916, **6**: 514–24.—**Dobrokhotov, M. S.** [What has the present war given us in the study of peripheral nerve affections] Kharkov. M. J., 1916, **21**: 310–21.—**Frazier, C.** Les lésions des nerfs périphériques par blessures de guerre. Gaz. hôp., 1923, **96**: 996.—**Haintz, E.** Ueber Kriegsverletzungen der peripheren Nerven. Schweiz. med. Wschr., 1944, **74**: 1081–4.—**Henle.** Ueber Kriegsverletzungen der peripherischen Nerven. Arch. klin. Chir., 1906, **79**: 1070–9. ——— Verletzungen der peripherischen Nerven. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 353–66.—**Hetzar, W.** Kriegsverletzungen der Nerven. In: Kriegschirurgie (Zillmer, W.) Dresd., 1945, 100–10.—**Kaplan, L., & Fistel, P.** Povreždenija perifer ićeskikh nervov. Voen. san. delo, 1939, No. 8, 42–6.—**Kriegsärztlicher** Abend der Festung Metz: Besprechung über peripherische Nervenverletzungen und deren Behandlung. Deut. med. Wschr., 1916, **42**: 242; 275.—**Kuiper, T.** Over zenuwverwondingen in den oorlog. Ned. tschr. geneesk., 1915, **2**: 2295–308.—**Lüthy, F.** Ueber Verletzungen des peripheren Nervensystems im Krieg. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 155–63.—**Luzzato, A. M.** Le lesioni di guerra dei nervi periferici. Med. nuova, 1918, **9**: 1–5.—**Manasse.** Die Kriegsverletzungen der peripherischen Nerven. Deut. med. Wschr., 1919, **45**: 783. Also Münch. med. Wschr., 1919, **66**: 793.—**Mauz, F., & Ohm, G.** Kriegsverletzungen der peripheren Nerven. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 85–100.—**Mitchiner, P. H.** Wounds of peripheral nerves and blood vessels. In: War Wounds (Brit. M. J.) Lond., 1939, 105–14.—**Nonne.** Nervenkriegsverletzungen. Deut. med. Wschr., 1915, **41**: 695.—**Oltramare, J. H.** Les blessures des nerfs. In his Chir. guerre, Lausanne, 1944, 189–200.—**Perthes, G.** Die Verletzungen der peripheren Nerven. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 274–303.—**Platt, H.** War injuries of peripheral nerves. Postgrad. M. J., Lond., 1940, **16**: 256–9.—**Pollock, L. J.** Peripheral-nerve injuries. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 368–405.—**Putzu, F.** Le lesioni dei nervi periferici da ferite di guerra. Riforma med., 1919, **35**: 906. Also Arch. Soc. ital. chir. (1919) 1921, **26**: 18.—**Richter.** Peripheral nerve injuries. Res. Program U. S. Army M. Res. Bd, 1947, July, 108; 1948, Jan., 186.—**Roussy, G.** Plaies des nerfs par blessures de guerre. Rev. neur., Par., 1914, **22**: 478.—**Seddon, H. J.** Injuries of the peripheral nerves. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 551–77. ——— War injuries of peripheral nerves. Brit. J. Surg., War Surg. Suppl., 1948, 325–53.—**Seedorf, J.** [Injuries of the nerves] Militaerlaegen, 1939, **45**: 163–6.—**Souttar, H. S.** Injuries of the peripheral nerves. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 345–61.—**Verga.** Lesioni di guerra del sistema nervoso periferico. Policlinico, 1919, **26**: sez. prat., 1148. Also Arch. Soc. ital. chir. (1919) 1921, **26**: 12–17.

—— Clinical aspect.

Lisica, F. M. [Injuries of the border trunk with projection of pain into the internal organs] Voen med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 393–6.—**Mills, A. E.** Some nerve injuries seen on active service. Med. J. Australia, 1917, 73–5.—**Pollock, L. J.** Motor disturbances in peripheral nerve lesions. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 866–917. ——— Sensory disturbances in peripheral nerve lesions. Ibid., 918–41.—**Warbasse, J. P.** Observations on wounds of nerves. J. Ass. Mil. Surg. U. S., 1903, **12**: 197–205.

—— Diagnosis.

See also **Nerve degeneration; Neuropsychiatric examination.**

Great Britain. Privy Council. Medical Research Council. Nerve Injuries Committee. Aids to the investigation of peripheral nerve injuries. 2. ed. 48p. 24cm. Lond., 1943.

Forms No. 7, War Mem. Med. Res. Counc. Privy Counc. Gt Britain. Also repr. 48p. Lond., 1944.

Aids to the investigation of peripheral nerve injuries. Bull. War M., Lond., 1942–43, **3**: 501 (Abstr.)—**Brunner.** Grenzen der therapeutischen Auswertung im Röntgenbild kontrastdargestellter peripherer Nervenverletzungen. Ber. Arbeitstag. Ost beiat. Fachärzte, 1943, 3. Congr., 58.—**Electrodiagnosis** of peripheral nerve lesions in man. Res. Program U. S. Army M. Res. Bd, 1946, July, 33.—**Freidin, K. M.** [Pallesthesiometry as a method for registration of sensitivity changes in war trauma of the peripheral nerves] Nevropat. psikhiat., 1944, **13**: 50–2.—**Gordon, J. J.** [Functional chronaximetry in diagnosis of war traumata of the peripheral nervous system] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943. 375–83.—**Graham, S. D.** Electrodiagnosis in peripheral nerve lesions. U. S. Nav. M. Bull., 1948, **48**: 838–42.—**Grundfest.** Methods for testing nerve injuries. Res. Program U. S. Army M. Res. Bd, 1947, July 21.—**Jasper, H., & Notman, R.** Electromyography in peripheral nerve injuries. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 4, C. 6121, 1–7, 4 fig.—**Note** on the assessment of recovery in peripheral nerve injuries. Bull. War M., Lond., 1942–43, **3**: 258 (Abstr.)—**Russell, W. R., & Harrington, A. B.** Early diagnosis of peripheral nerve injuries in battle casualties. Brit. M. J., 1944, **2**: 4–8.—**Shargorodsky, L. J.** [Classification and diagnosis of traumatic injuries of the peripheral nervous system] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 351–7.—**Silbert, S.** Electrical examinations in the diagnosis of peripheral nerve injuries. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 942–8.—**Simple** tests of nerve trunk injuries. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 30, 17–21.—**Spurling, R. G., & Matson, D. D.** Simple tests of nerve trunk injuries. Bull. U. S. Army M. Dep., 1944, No. 75, 71–6.—**Tolnick, B., & Beck, W. C.** The histamine flare in the evaluation of peripheral nerve lesions. War Med., Chic., 1945, **8**: 386–8.—**Zülch, K. J.** Kriegsverletzungen der peripheren Nerven; ihre Diagnostik und chirurgische Behandlung. Med. Klin., Berl., 1942, **38**: 985; passim.

—— gunshot.

See also **Nervous system,** Injury, gunshot; **Neurosurgery,** Methods.

Grundfest, H., Puckett, W. O., & McElroy, W. D. Damage to peripheral nerves by high velocity missiles without a direct hit. 8p. 28cm. Wash., 1945.

Forms No. 13, Missile Casualties Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Hezel, F. O. Die Schussverletzungen der peripheren Nerven. p. 1–67. 26cm. Wiesb., 1917.

In his Kriegsbesch. Nervensyst., Wiesb., 1917.

Teneff, S. Le ferite d'arma da fuoco dei nervi periferici ed i loro postumi. p. 459–501. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Banaitis, S. I. Ognestrelnye povreždenija krupnykh perifer ićeskikh nervov. In: Kratky kurs voen. polev, khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 402–10.—**Campbell, E. H.,** jr. Missile injuries of peripheral nerves. Med. Bull. Medit. Theater U. S., 1945, **3**: 246–51.—**Drought, C. W.** The relative incidence of injuries by gunshot wounds to peripheral nerves. J. R. Army M. Corps, 1921, **36**: 386–8.—**Faivishenko, E. L.** Slučaj ognestrelnogo povreždenija šejnogo otdela simpatićeskogo nerva. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 555–7.—**Famelis, A. M.** Ognestrelnye (voenno-polevye) povreždenija perifer ićeskikh nervov i leċenie ikh. Ibid., 375–98.—**Gosset, A.** Plaies des nerfs par projectiles de guerre. Gaz. hôp., 1940, **113**: 202. Also Mém. Acad. chir., Par., 1940, **66**: 220.—**Leo, G.** Blessures des nerfs par projectiles de guerre; première série de trente cas. Paris chir., 1916, **7**: 277–93.—**Livingston, W. K., Davis, E. W., & Livingston, K. E.** Delayed recovery in peripheral nerve lesions caused by high velocity projectile wounding. J. Neurosurg., 1945, **2**: 170–9.—**Livingston, W. K., & Newman, H. W.** Involuntary movements following nerve injuries by high velocity projectiles. West. J. Surg., 1946, **54**: 140–4.—**Mally & Corpechot.** Monomyoplégies traumatiques; étude sur un groupe de lésions du système nerveux périphérique, par les projectiles modernes. Bull. Acad. méd., Par., 1917, 3. ser., **77**: 298. Also Rev. chir., Par., 1917, **52**: 281–306.—**Mayrhofer, J.** Die frühzeitige Erkennung der Schwere der Schussverletzungen peripherer Nerven. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 633–80.—**Nakamura, A.** Sinkei syasō no syoti ni tuite [Management of bullet-shattered nerves] Gun idan zassi, 1938, 945.—**Ostrovsky, M. I., & Lerchuk, I. V.** [Gunshot wounds of the peripheral nerves during the present war] Vopr. neirokhir., 1943, **7**: No. 4, 65.—**Puckett, W. O., Grundfest, H.** [et al.] Damage to peripheral nerves by high velocity missiles without a direct hit. J. Neurosurg., 1946, **3**: 294–305.—**Sala, G.** Sindromi nervose di natura organica consecutive a scoppio di granata senza lesioni esterne. Boll. Soc. med. chir. Pavia, 1919, **31**: 599–606, pl.—**Sjöqvist, O.** [Projectile wounds of the peripheral nerves; experiences from the provisory Neurosurgical Department of the Serafimerlasarett] Nord. med., 1940, **8**: 2715–9.—**Sylvester.** Gunshot injuries of peripheral nerves. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 244–69.—**Teneff, S.** Le ferite d'arma da fuoco recenti dei nervi periferici. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 459–87, illust. ——— Postumi delle ferite d'arma da fuoco dei nervi periferici. Ibid., 488–96. ——— Le ferite d'arma da fuoco dei nervi. Ibid., 1075–87, illust. ——— Le ferite d'arma da fuoco dei nervi. Ibid., 1176–83, illust.—**Vignes, H.** Les blessures des nerfs par projectiles de guerre; bibliographie analytique des travaux récents. Rev. path. comp., Par., 1915, **15**: 209–22.—**Young, A.** Injuries of peripheral nerves directly or indirectly connected with gunshot wounds. Rep. Surg. Case S. Afr. War (Stevenson, W. F.) Lond., 1905, 278–303, 17 pl.

—— gunshot: Treatment.

Brosig, W. Die konservative Behandlung der Schmerzen nach Nervenschussverletzungen. In: Wehrmedizin (Zimmer,

A.) Wien, 1944, 3: 681–4.—**Burchael, C.** Le traitement et les résultats éloignés des lésions des nerfs par projectiles de guerre. Paris méd., 1918, 29: 355.—**Davis, L., Perret, G., & Carroll, W.** Effect of sulfonamide drugs on experimental gunshot wounds of peripheral nerves. War Med., Chic., 1944, 6: 228–31.—**Hofmann, E.** Zur Indikationsstellung operativer Eingriffe nach Schussverletzungen peripherer Nerven. Deut. Militärarzt, 1943, 8: 217–23.—**Mayrhofer, J.** Der Nervenschußschmerz und seine Behandlung. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 2: 162–77.—**Olivier, E.** Traitement et résultats éloignés des lésions des nerfs par projectiles de guerre. Bull. méd., Par., 1918, 32: 410.—**Pozzi, S.** Sur le traitement des blessures des nerfs par projectiles. Presse méd. Par., 1915, 23: 49.—**Richter, G. A.** [Treatment of gunshot wounds of the peripheral nerve trunks] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 318–23.—**Sachs, E.** Residuals of neurosurgical disorders; late treatment of gunshot wounds of the head and peripheral nerves. Proc. Inst. M. Chicago, 1944–45, 15: 238.—**Zülch.** Die Erkennung und Behandlung des Nervenschußschmerzes; Richtlinien. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 55–7.

—— motor.

Berntsen, A. [Injuries of the peripheral motor nerves] Militaerlaegen, 1936, 42: 125–49.—**Feltner, J. B.** Mobilizing splints in treatment of motor nerve injuries. Bull. U. S. Army M. Dep., 1944, No. 80, 20. Also Med. Bull. Medit. Theater U. S., 1944, 2: 162–7.

—— Pathology.

Elkin, D. C., & Woodhall, B. Combined vascular and nerve injuries of warfare. Ann. Surg., 1944, 119: 411–31.—**Haymaker, W.** The pathology of peripheral nerve injuries. Mil. Surgeon, 1948, 102: 448–59.—**Jourdan, E., & Sicard, J. A.** Etude macroscopique et microscopique des lésions des nerfs par blessures de guerre. Presse méd., 1915, 23: 281.—**Lidsky, A. T.** Po povodu ranenij periferičeskoj nervnoj sistemy. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 363–74, illust.—**Omorokov, L. I.** [Neuropathology of war injuries of the peripheral nervous system] Sovet. med., 1943, 7: No. 11, 5–7.—**Pines, L. J.** Nekotorye morfofiziologičeskie mekhanizmy pri ranenijakh periferičeskoj nervnoj sistemy. Voen. med. sborn., 1945, No. 2, 212–22.

—— Physiopathology.

Huber, G. C. Experimental observations on peripheral nerve repair. p.1091–1293. 26cm. Wash., 1927.

In: Med. Dep. U. S. Army in the World War, v.11, pt 1.

Adam. Demonstration kinematographischer Filme aus dem Gebiete der Kriegsverletzungen des Nerven. Berl. klin. Wschr., 1918, 55: 22.—**Battez, G., & Desplats, R.** Excitabilité et conductibilité dans les traumatismes du nerf par blessures de guerre. Arch. électr. méd., 1916, 26: 170.—**Donath, G.** Adatok az idegrendszer hadsérüléses megbetegedéseihez. Orvosi hetil., 1915, 69: 311; 326.—**Hyman, I., & Beswick, W. F.** Measurement of skin resistance in peripheral nerve injuries. War Med., Chic., 1945, 8: 258–60.—**Jasper, H., & Robb, P.** Studies of clectrical skin resistance in peripheral nerve lesions. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 4, C.6124, 1–9, 3 fig.—**Lazarev, V. G., Levitina, G. A., & Magnicky, A. N.** Izmenenija subordinacii pri voennykh travmakh periferičeskoj nervoj sistemy. Nevropat. psikhiat., 1944, 13: 26–30.—**Philippides, D.** Die Prüfung der Vasomotorfunktion bei peripheren Nervenläsionen. Bull. War M., Lond., 1942–43, 3: 379 (Abstr.)—**Salvini, D.** Ulteriori dati sulle indicazioni e i risultati della stimolazione elettrica diretta dei nervi durante gli interventi chirurgici. Gior. med. mil., 1941, 89: 834–57.—**Studies** on peripheral nerve injuries. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 31–4.

—— Prognosis and sequelae.

See also **Paralysis.**

Anokhin, P. K. Patogenez centralnykh vypadenij pri voennoj travme periferičeskogo nerva. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 346–52.—**Arnaud, M.** Les cicatrices des plaies nerveuses consécutives aux blessures de guerre; périneurites et périgainites; neuroglioses et neuro-scléroses. Marseille méd., 1941, 78: pt 1, 197–212. ——— Considérations anatomo-cliniques et thérapeutiques sur les suites des plaies des nerfs consecutives aux blessures de guerre. Chirurgie, Lausanne, 1942, 4: 135–51.—**Brotman, M. K.** K diferencialnoj diagnostike meždu travmatičeskimi poraženijami periferičeskikh nervov i rubcovymi izmenenijami v okružajuščikh tkanjakh. In: Sborn. nauch. rabot. evakohosp. (Pravdin, A. N.) Moskva, 1942, 335–8. Also Voen. san. delo, 1942, No. 8, 22–4.—**Cornil, L., Arnaud, M., & Paillas, J. E.** Plaies de guerre des nerfs périphériques; considérations anatomo-cliniques sur les conséquences physiopathologiques de leur cicatrisation. Presse méd., 1942, 50: 550.—**Löwenstein, K.** Periphere Nervenläsion und Reflexlähmung nach Shrapnellverletzung. Neur. Zbl., 1916, 35: 66–9.—**Macko, O. G.** [Roentgenological data on modifications of the bones in traumatic injuries of the peripheral nervous system] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 184–8.—**Röper.** Zur Prognose der Kriegsverletzungen des peripheren Nervensystems. Allg. Zschr. Psychiat., 1918, 74: 170.—**Weiss, A. G., & Warter, J.** Du rôle primordial joué par le neurogliome dans l'évolution des blessures des nerfs. Bull. War M., Lond., 1942–43, 3: 607 (Abstr.)

—— Site.

Ichlondsky, A. *Contribution à l'étude des lésions des nerfs périphériques du membre supérieur par projectiles de guerre. 79p. 8° Par., 1915.

Gerlach, J. Ueber Kriegsverletzungen der Armnerven. Med. Klin., Berl., 1942, 38: 173–5.—**Holt.** Brachial plexus. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 165.—**Long, F. L.** An unusual brachial plexus injury. U. S. Veterans Bur. M. Bull., 1930, 6: 890–2.—**Money, R. A.** Bullet wound of the neck; partial lesion of the brachial plexus. Med. J. Australia, 1945, 2: 255.—**Plisson.** Lésions complexes associées du nerf médian et du nerf radial d'origine traumatique. Bull. Soc. méd. mil. fr., 1921, 15: 71–5.—**Putti, V.** Lesioni dei nervi periferici da ferite di guerra; paralisi del plesso bracchiale. Riv. osped., 1916, 6: 18. ——— Lesioni dei nervi periferici da ferite di guerra; paralisi del nervo radiale. Ibid., 85.—**Schlesinger, H.** Ein Fall von spontaner Nagelabstossung nach Schussverletzung des Plexus brachialis. Mitt. Ges. inn. Med. Wien, 1915, 14: 7.—**Teneff, S.** Le ferite d'arma da fuoco dei nervi della faccia. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 704–7.—**Tuft, R. M.** War injuries; peripheral nerve injuries of the upper extremities. Discuss. Conf. Am. Physiother. Ass. (1942) 1943, 21: 134–6.

—— Surgery.

See under **Neurosurgery,** Methods.

—— Treatment.

See also **Neurosurgery,** Methods.

Scaglietti, O. Trattamento delle lesioni del sistema nervoso centrale e periferico. p.881–950. 25cm. Roma, 1943.

Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr.

Burdenko, N. N. [Treatment of neural injuries] Vopr. neirokhir., 1942, 6: No. 6, 6–17.—**Chiasserini, A.** Il trattamento secondario delle lesioni di guerra dei nervi periferici. Policlinico, 1943, 50: sez. chir., 265; 297.—**Craig, W. M.** Treatment of peripheral nerve injuries. Mil. Surgeon, 1948, 103: 1–8.—**Foulkes, T. W.** Some points in connection with war injuries of peripheral nerves. Indian M. Gaz., 1919, 54: 54–6.—**Hanson, A. M.** A report of nerve injuries cared for at Evacuation Hospital No. 8, A. E. F. Mil. Surgeon, 1920, 47: 662–5.—**Lewey, F. H.** Management of war injuries of peripheral nerves. Arch. Neur. Psychiat., Chic., 1946, 55: 546.—**Livingston, W. K.** Management of war injuries to peripheral nerves. Am. J. Surg., 1948, 76: 537–40.—**Lyle, H. H. M.** The physiological treatment of bullet- and shell wounds of the peripheral nerve-trunks. Surg. Gyn. Obst., 1916, 22: 127–33.—**McMurray, T. P.** Uses and abuses of splints and other instruments in the treatment of nerve lesions. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 483–90.—**Moro, G.** Sull'intervento precoce nelle lesioni dei tronchi nervosi per ferite da guerra. Arch. Soc. ital. chir. (1917) 1920, 25: 125.—**Nery, O.** Da recuperação dos traumatizados dos nervos periféricos no após-guerra. Cult. méd., Rio, 1944–45, 6: 455–63.—**Netsky, M. G.** Incidence, clinical characteristics and restitution of war injuries of peripheral nerves. Arch. Neur. Psychiat., Chic., 1946, 55: 545.—**Pelz.** Ueber die Behandlungsresultate der Kriegsverletzungen peripherischer Nerven. Med. Klin., Berl., 1916, 12: 838.—**Petrov, I. R.** [Conference on the problem of sequels and treatment of traumata of the nervous system] Voen. san. delo, 1942, No. 9, 73.—**Pollock, L. J.** The repair of peripheral nerve lesions. In: Advance. Mil. Med., Bost., 1948, 1: 159–67.—**Rezničck, R.** Ueber die Verletzungen der peripheren Nerven im Kriege und deren Behandlung. Wien. med. Wschr., 1915, 65: 390–6.—**Schnitker, M. T.** The principles of treatment in peripheral nerve injuries. Bull. U. S. Army M. Dep., 1944, No. 73, 53–61.—**Snellman, A.** Erfahrungen bei der Behandlung von Kriegsverletzungen an den peripheren Nerven. Acta Soc. med. Duodecim, Ser. B, 1945–46, 34: 53–48.—**Spurling, R. G.** Management of peripheral nerve injuries. Bull. U. S. Army M. Dep., 1945, 4: 557–9.—**Stoffel, A.** Ueber die Behandlung verletzter Nerven im Kriege. Münch. med. Wschr., 1915, 62: 201–3.—**Van Wagenen, W. P., & Lewey, F. H.** The Cushing General Hospital regime for the treatment of peripheral nerve injuries in World War II. Confinia neur., Basel, 1946, 7: 136–43.—**White, J. C.** Primary treatment of severed nerves. Bumed News Lett., Wash., 1944, 3: No. 6, 3.—**Zaprianov, T.** Vrkhu travmatičnite poraženija na perifernata nervna sistema i tiakhnoto lećenie. Voen. san. delo, Sofia, 1947, 2: 229–56.—**Zeleneckaja, I. A.** [The treatment of injuries of the peripheral nerves in evacuation hospitals] Nevropat. psikhiat., 1943, 12: No. 5, 65.

—— Treatment: Physiotherapy.

Cherkes, A. A., & Skvirskaja, E. A. [Stimulating effect of certain physiotherapeutic factors on the regeneration of the peripheral neural trunks] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 441–4.—**Domenico, Z.** L'elettroforesi nella cura dei neurotraumatizzati di guerra. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 84 (Abstr.)—**Gilević, S. A.** Lečenie fizioterapevtićeskimi metodami ranenij periferićeskoj nervnoj sistemy. Voen. san. delo, 1940, No. 10, 55–7.—**Ioffe, I. I.** [Treatment of war-injuries of the peripheral nervous system at the Macesta resort] Vopr. kurort., 1941, 45–9.—**Lewey, F. H., & Bowles, G. K.** Work furloughs for patients with peripheral nerve injuries. Bull. U. S. Army M. Dep., 1945, **4:** 683–6.—**Mennell, J.** Massage, movements and exercises in the treatment of nerve suture and repair. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 470–82.—**Tarasević, I. J., Freidin, Kh. M., & Shugam, A. R.** [War-traumas of the nerves of the extremities; combined treatment with artificial sulphur-hydrogen baths and local mud procedures simultaneously with therapeutic exercises] Vopr. kurort, 1941, 36–40. ——— [Experiment with the treatment of war-traumatic affections of the peripheral nerves by means of artificial sulphurated hydrogenic bath and local mud-procedures in connection with medical physical culture] Neyropat. psikhiat., 1943, **12:** 43–50. ——— Physiotherapy in war injuries of peripheral nerves. Am. Rev. Soviet M., 1946–47, **4:** 391–7.—**Zanello, D.** L'elettroforesi nella cura dei neurotraumatizzati di guerra. Gior. med. mil., 1942, **90:** 290–302.

NERVE regeneration.

See under **Nerve degeneration** [and regeneration]

NERVE surgery.

See **Neurosurgery.**

NERVOUS breakdown.

See also **Neuropsychiatric examination,** Importance; **Neurosis; Psychosis; War neurosis; War psychosis.**

Foretelling breakdown. Lancet, Lond., 1940, **2:** 811.—**Symonds, C. P.** Nervous breakdown. J. R. Nav. M. Serv., 1935, **21:** 315–22.—**Tooth, G.** Nervous breakdown in the Navy; domestic difficulties as a cause of failure. Brit. M. J., 1944, **1:** 358–60.

NERVOUSNESS.

See **Neurosis; Neurotic; Recruit,** Mental and nervous defective.

NERVOUS system.

See also special captions under such terms as **Acceleration; Altitude; Anoxia,** etc.

Bainbridge, W. S. Notes on motor points. U. S. Nav. M. Bull., 1922, **16:** 719, 2 ch.—**Doinikov, B.** Prodolgovatyi mozg (medulla oblongata) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 869–71. ——— **Sarkesov, S.** [et al.] Golovnoj mozg (cerebrum) Ibid., **2:** 58–95, 5 pl.—**Jelliffe, S. E.** The war and the nervous system. N. York M. J., 1917, **106:** 17–21.—**Kuhlenbeck, H.** The derivatives of the thalamus ventralis in the human brain and their relation to the so-called subthalamus. Mil. Surgeon, 1948, **102:** 433–47. ——— **& Haymaker, W.** The derivatives of the hypothalamus in the human brain; their relation to the extrapyramidal and autonomic systems. Ibid., 1949, **105:** 26–52.—**Matz, P. B.** The immediate and remote effects of the World War on the nervous system. Rapp. Congr. internat. méd. pharm. mil., 6. Congr., 1931, **1:** 199–244.—**Salsbury, A.** The nerves of a soldier. Sc. Am., N. Y., 1918, **118:** 14; 42.—**Spielmeyer, W.** Gehirn, Rückenmark und Nerven. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 120–39.

—— Disease [and tumors]

See also such terms as **Disease**—by organs and regions: Brain; **Encephalitis; Meningitis,** etc.

Afanasjev, A. D. К вопросу о грязелечении при болезнях нервной системы: очерк наблюдений на Славянской военно-санитарной станции в сезонах 1908 и 1909 г. г. p. 63–115. 23cm. S. Peterb., 1911.

Voen. med. J., S. Peterb., 1911, **230:** Med. spec. pt.

Merritt, H. H. Common diseases of the nervous system. p. 270–324. 20½cm. Phila., 1945.

In: Man. Mil. Neuropsychiat. (Solomon, H. C.) Phila., 1945.

Bauer, F. K., & Watkins, J. H. Poliomyelitis, epidemic encephalitis, epidemic meningitis. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 55–63.—**Bistriceanu, I. V.** Contribuţiuni la studiol histopatologiei gliomelor şi paragliomelor nevraxiale. Rev. san. mil., Bucur., 1934, **33:** 394; passim.—**Craig, D. H.** An extradural abscess with some unusual features. J. R. Army M. Corps, 1942, **78:** 131–3.—**Diseases** of the nervous system. Statist. Navy M., 1946, **2:** No. 9, 2–4.—**Ferry, M. D., & Henri, G. G.** Les ressources actuelles de la physiothérapie dans les lésions de voies motrices. Rev. Serv. san. mil., Par., 1937, **106:** 213–42.—**Gadzjacky, F.** O vlijanii zarazynykh boleznej na razvitie nervnykh i duševnykh razstrojstv. Voen. med. J., S. Peterb., 1907, **218:** Med. spec. pt, 486; 627.—**Gordon, M. M., & Timofeev, N. I.** [Experimental anoxemia as method of diagnosis of insufficiency and affections in early stages of the nervous system] Tr. Acad. mil. méd. Kiroff, 1936, **6:** 47–53.—**Hallervorden.** Die entzündlichen Erkrankungen des Nervensystems. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 223–5. Also Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 273–5.—**Hildreth, H. C.** Case of haemorrhage into the arachnoid cavity. J. R. Army M. Corps, 1923, **41:** 445.—**Juhász, P.** Féloldali agysorvadás napszúrás után. Honvédorvos, 1950, **2:** 148–50, illust.—**Kuhlenbeck, H., & Haymaker, W.** Neuroectodermal tumors containing neoplastic neuronal elements; ganglioneuroma, spongioneuroblastoma and glioneuroma; with a clinicopathologic report of 11 cases and a discussion of their origin and classification. Mil. Surgeon, 1946, **99:** 273–304, incl. 12 pl.—**Lagna, D.** Su di un caso di trombosi dal seno sigmoide curato con i sulfamidici. Gior. med. mil., 1942, **90:** 144–6.—**Lazell, E. W.** The influence of heterophile antigen in nervous and mental disease. Med. Bull. Veterans Admin., 1939–40, **16:** 235; 353.—**Leigh, A. D.** A case of extradural haemorrhage producing mutism and hemiplegia. J. R. Army M. Corps, 1944, **83:** 248.—**Mahlo.** Ueber einige seltenere, bei Einstellungsuntersuchungen schwer erkennbare neurologische Erkrankungen. Deut. Militärarzt, 1941, **6:** 83–90.—**Noica, D., Arama, O., & Parvulescu.** Consideratiuni asupra cazurilor de abcese cerebrale din Spitalul militar Regina Elisabeta. Rev. san. mil., Bucur., 1934, **33:** 447–59.—**Panara, C.** Infezioni acute del sistema nervoso e sindromi psicopatiche tossiinfettive. Gior. med. mil., 1934, **82:** 222–41, pl.—**Pette.** Ueber entzündliche Erkrankungen des Nervensystems. Klin. Wschr., 1943, **22:** 762. ——— Encephalitis, myelitis, polyradiculitis, polyneuritis, poliomyelitis, inflammatory diseases of the central nervous system. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1. pt 6, 269–72.—**Rasim Adasal** [Three rare cases of familial-hereditary ataxia] Askerî sihhiye mecmuası, 1941, **70:** 48–51.—**Richmond, P., & Swanson, C. A.** Metastatic carcinoma simulating the bulbar form of acute anterior poliomyelitis. Bull. U. S. Nav. M., 1934, **32:** 207–10.—**Sahate, W. K.** Síndrome neuro-anêmica. Arq. brasil. med. nav., 1946, **7:** 1081–92.—**Schmidt, W.** Krankheiten des peripheren und zentralen Nervensystems. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 217–27.—**Schulte, W.** Aeussere Einflüsse auf neurologisch-psychiatrische Krankheiten; ein Vergleich mit den ersten Weltkriegserfahrungen. Aerztl. Wschr., 1946–47, **1:–2:** 550–63.—**Schupfer, F.** Esame critico delle più importanti acquisizioni fatte, durante gli anni di guerra, nel campo delle malattie organiche del sistema nervoso centrale. Riforma med., 1919, **35:** 939. Also Studium, Nap., 1916–19, **9:** 337. ——— Quello che ci ha insegnato la guerra nel campo delle malattie organiche del sistema nervoso centrale. Attività med. ital., 1920, **3:** No. 8–9, 11.—**Takatori, T.** [A cured case by operation of endothelioma psammosum] Bull. Nav. M. Ass., Tokyo, 1940, **29:** 884–9, pl.—**Vack & Armeilla, N.** Les eaux thermales de Bourbon-l'Archambault dans le traitement des maladies chroniques du système nerveux. Arch. méd. pharm. mil., 1908, **51:** 185; 309.—**Vértes, L.** [The war and diseases of the nervous system] Gyógyászat, 1916, **56:** 584–7.—**Weed, L. H.** Experimental study of problems of infection of the central nervous system and the treatment therefor. In: Med. Dep. U. S. Army in the World War. Wash. 1927. **11:** pt 1, 848–65.

—— Disease: Disability.

Benedek, L. [Rôle of war injuries in diseases of the nervous system] Gyógyászat, 1919, **59:** 362; 377.—**Besta, C.** Criteri direttivi per l'assistenza agli invalidi per lesioni organiche del sistema nervoso. Gior. med. mil., 1919, **67:** 1307.—**Kröber, E.** Der praktische Arzt und die Beurteilung der Kriegsschäden des Nervensystems. Deut. Gesundhwes., 1946, **1:** 347–52.—**Oppenheim, H.** Die Frage der Dienstbrauchbarkeit, Dienstbeschädigung und Versorgung bei organischen Nervenkrankheiten und Nervenverletzungen. Mil. ärztl. Sachverst. Tätigk., Jena, 1917, **1:** 175–93.—**Rittershaus.** Kriegsbeschädigungen des Zentralnervensystems und soziale Fürsorge. Münch. med. Wschr., 1915, **62:** 1224–8.—**Schmidt, W.** Fragen der ärztlichen Beurteilung und Begutachtung; Krankheiten des peripheren und zentralen Nervensystems. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 260–72.—**Villaret, M.** Propositions de réforme les evaluations d'invalidité et les décisions concernant les militaires atteints de lésions ou troubles du système nerveux. Montpel. méd., 1916, **39:** 372–86.

—— Disease, functional.

See also **Neurosis; Psychosomatosis; War neurosis; War psychosis.**

Hadji Marcarian Porcher, M. *Une année dans un centre neurologique d'armée; contribution à l'étude clinique des états fonctionnels et de leur traitement. 60p. 8° Par., 1919.

Baecker, H. Die Behandlung funktioneller Erkrankungen auf der Abteilung Nonne. Münch. med. Wschr., 1916, **63:** 1766.—**Brown, S.** Nervous and mental disorders of soldiers. Ment. Hyg., Concord, 1920, **4:** 404–21, 5 pl.—**Heatly-Spencer, J., Mapother, E.** [et al.] Discussion on functional nervous disease in the fighting services. Proc. R. Soc. M., Lond., 1935–36, **29:** 855–68.—**Mapother, E., Burton, H. L.** [et al.] Discussion on functional nervous disease in the fighting services. J. R. Army M. Corps, 1936, **67:** 49; 103.—**Marcondes, J. R.** Asfixia, síncope e vertigem. In: Man. socor. guerra, S. Paulo, 1943, 81–9, 2 pl.—**Pacheco e Silva, A. C.** Comas e convulsões. Ibid., 90–5.—**S., C.** Le service d'isolement et de psychothérapie à la Salpêtrière pour le traitement des militaires atteints de troubles fonctionnels du système nerveux. J. méd. chir., Par., 1916, **87:** 90–4.—**Smith, A. P.** Functional circulatory stasis of the cerebrospinal axis. Med. Bull. Veterans Admin., 1933, **10:** 44–9.—**Volčanecký, V.** [Value of functional nervous disturbances] Voj. zdrav. listy, 1936, **12:** 25–8.—**Vymětal, O.** [Diagnosis and prognosis of functional disturbances and nervous diseases] Ibid., 1937, **13:** 25–35.—**Wachsner, F.** Zur Behandlung funktioneller Störungen bei Soldaten nach modifiziertem Kaufmann-Verfahren. Deut. med. Wschr., 1917, **43:** 1104.—**Zabriskie, E. G.** Nervous disorders in the Armed Forces. Dis. Nerv. Syst., 1945, **6:** 184–8. Also Proc. Inst. M. Chicago, 1944–45, **15:** 221–3.

—— Disease: Virosis.

See also names of neurotropic virus diseases as **Encephalitis,** Japanese type, etc.

Armstrong, C. Some recent research in the field of neurotropic viruses with especial reference to lymphocytic choriomeningitis and herpes simplex. Mil. Surgeon, 1942, **91:** 129–46.—**Coode, C. D.** A case of geniculate herpes simulating acute mastoiditis. J. R. Nav. M. Serv., 1943, **29:** 269.—**Irvine, G. S.** Trigeminal and geniculate herpes without facial palsy. Ibid., 1945, **31:** 108–10.—**Neurotropic** virus diseases. Mil. Surgeon, 1942, **90:** 92.—**Rogers, J. A.** Neurotropic virus diseases. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 74, 1–10. Also Mil. Surgeon, 1943, **92:** 494–503.—**Smadel, J. E.** Common neurotropic virus diseases of man, their diagnosis and mode of spread. U. S. Nav. M. Bull., 1942, **40:** 1020–36.

—— Injury.

See also **Head injury** and subheadings; also **Neurosurgery,** Methods (and subdivisions) **Paraplegia; Spine,** Injury.

Foerster, O. Kriegsverletzungen des Rückenmarks und der peripheren Nerven. p.235–332. 27cm. Lpz., 1922–34.

In: Handb. ärztl. Erf. Weltkriege, Lpz., 1922–34, **4:**

Goldstein, K. Aftereffects of brain injuries in war; their evaluation and treatment. 244p. 22cm. N. Y., 1942.

Hezel, F. O., Marburg, O. [et al.] Die Kriegsbeschädigungen des Nervensystems; praktischer Leitfaden zu ihrer Untersuchung, Beurteilung, Behandlung. 257p. 26cm. Wiesb., 1917.

Lewandowsky, M. Die Kriegschäden des Nervensystems und ihre Folgeerscheinungen; eine Anleitung zu ihrer Begutachtung und Behandlung. 95p. 8° Berl., 1919.

Marburg, O. Die Kriegsverletzungen des zentralen Nervensystems; Gehirn und Rückenmark. p.69–117. 26cm. Wiesb., 1917.

In: Kriegsschäd. Nervensyst. (Hezel, F. O.) Wiesb., 1917.

Artemjev, V. V., Bassin, F. V. [et al.] [Employment of modern electrophysiological methods of examination in war injuries of both central and peripheral nervous systems] Nevropat. psikhiat., 1944, **13:** 20–4.—**Bagley, C., jr, Grant, F. C., & Horrax, G.** Infections of nervous system and its coverings arising from injuries of war. In: Neurosurg. & Thorac. Surg. (U. S. Nat. Res. Counc.) Phila., 1943, 185–98.—**Brunschweiler, M. H.** Observations cliniques sur les troubles de la sensibilité dans 12 cas de blessures pariétales de guerre. Schweiz. Arch. Neur. Psychiat., 1918, **2:** 350–3.—**Cairns, H.** Rehabilitation after injuries to the central nervous system. U. S. Nav. M. Bull., 1943, **41:** 231–6.—**Chiari, H.** Pathologisch-anatomische Befunde bei Kriegsverletzungen des Gehirns und Rückenmarkes In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1:** 352–72.—**Coleman, C. C.** War wounds of the nervous system. Tr. South. Surg. Ass. (1940) 1941, **53:** 71–8. Also Ann. Surg., 1941, **113:** 712–9.—**Courville, C. B.** The nervous system. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 189–93.—**Craig, W. M.** Diagnosis and treatment of injuries to the central nervous system. Mil. Surgeon, 1939, **84:** 484. ——— War injuries involving the central nervous system. Proc. Mayo Clin., 1942, **17:** 572–5. ——— War wounds of the central nervous system. Ann. Surg., 1943, **118:** 635–8. Also Tr. Am. Surg. Ass., 1943, **61:** 635–8.—**Everts, W. H., & Woodhall, B.** The management of head and spinal cord injuries in the Army. Tr. Am. Neur. Ass., 1944, **70:** 10–2.—**Fernández Sanz, E.** Los traumatismos de la medula, según la experiencia de la actual guerra europea. Prog. clín., Madr., 1915, **5:** 344–53.—**Granich, L., & Pangle, G. W.** Retraining of eight selected cases of aphasia in an Army general hospital. In: Aphasia (Granich, L.) N. Y., 1947, 80–108.—**Heimanovich, A. I.** [General neuropathology of war trauma of the nervous system] Vopr. neirokhir., 1940, **4:** No. 6, 3–12.—**Heimanovich, Z. I.** [Injuries of the central nervous system during military operations] Ibid., No. 1, 73–84.—**Hyslop, G. H.** Injury of the nervous system; common problems with respect to effects. U. S. Nav. M. Bull., 1941, **39:** 26–56.—**Injuries** of the central and peripheral nervous system. Res. Program U. S. Army M. Res. Bd, 1946, July, 22–36.—**Ivanov-Smoĭensky, A. G.** O narušenijakh nervnoj dejatelnosti kontuzionno-kommocionnogo proiskhoždenija. Voen. med. sborn., 1945, No. 2, 193–8.—**Jefferson, G., Cairns, H.** [et al.] Rehabilitation after injuries to the central nervous system; a discussion. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 85–114.—**Jewett, E. P.,** jr. Traumatic injuries to the central nervous system in times of war. Phi Chi Q., Menasha, 1942, **39:** 310–8. Also Tufts M. J., 1941–42, **8:** 12–7.—**Johnson, R. T., & Dutt, P.** On dural laceration over paranasal and petrous air sinuses. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 141–67.—**Köbcke, H., & Spatz, H.** Traumatische Erkrankungen, einschl. der Kriegsverletzungen. FIAT Rev., Wiesb., 1948, Neur., pt 2, 119–57.—**Lepintre & Messerschmitt.** Blessures du cerveau et de la moelle traitées par la pénicilline. Réun. méd. chir. Armée fr. [1946?] num. spéc., 86–96.—**Luria, A. R.** Rehabilitation of the nervous system in war trauma. Am. Rev. Soviet M., 1944–45, **2:** 44–52, pl.—**Pennington, L. A., & Mearin, R. J.** Frequency of craniocerebral injuries in relation to military screening examinations. War Med., Chic., 1943, **4:** 465–70.—**Richtlinien** für die Versorgung Hirn- und Rückenmarkverletzter. Aerztl. Feldpost. 1945, No. 2, 6–9.—**Sarbó, A.** Die mikrostrukturellen traumatischen Veränderungen des Nervensystems im Lichte der Kriegserfahrungen. Schweiz. Arch. Neur. Psychiat., 1932, **29:** 127–52.—**Sarkisov, S. A.** [Electrophysiological examination in war trauma of the nervous system] Vopr. neirokhir., 1942, **6:** No. 6, 32–6.—**Shamovskaja, E. Z.** Ekstrapiramidnyj sindrom v klinike kommocionno-kontuzionnykh poraženij nervnoj sistemy. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 325–30.—**Stockert.** Zur Pathophysiologie der frischen Verletzungen des Zentralnervensystems. Bull. War M., Lond., 1942–43, **3:** 606 (Abstr.).—**Zülch, K. J.** Kriegsverletzungen des Nervensystems. Fortsch. Neur. Psychiat., 1944, **16:** 206; 225.

—— Injury, gunshot.

Buzoianu, G., Pop, V., & Mlesnita, E. Syndrome paralytique des nerfs craniens consécutif à une plaie de guerre par projectile. Rev. sc. otorhinolar., Cluj, 1946, **10:** 43–9.—**Margolin, G. S., & Shlykov, A. A.** [Report of the scientific conference of hospitals of an evacuation point of the Western front; gunshot wounds of the skull, spinal cord and peripheral nerve] Vopr. neirokhir., 1943, **7:** No. 3, 53–9.—**Nose, H., Simazaki, T., & Hukuda, S.** Nō oyobi sekizui syasō ni tuite [Gunshot wounds of brain and spinal cord] Gun idan zassi, 1938, 983.

NET.

See **Mosquito net.**

NETHERLANDS.

See **Holland.**

NETHERLANDS Indies.

See under **Pharmacist; World War II.**

NEURASTHENIA.

See also **Psychasthenia;** also **Neurosis; Neurotic; War neurosis,** Shell-shock.

Brock, A. J., & Wilson, H. The re-education of the adult; the neurasthenic in war and peace; the convalescent as artist-craftsman. 19p. 25cm. Lond., 1918.

Forms No. 4, 2. ser., Papers for the Present.

Barrett, T. M. Analysis of symptoms in neurasthenia. Med. Bull. Veterans Admin., 1934–35, 11: 318–25.—**Cases** of neurasthenia and mental shock. Mod. Hosp., 1917, **9:** 368.—**Cheyrou.** Etats asthéniques à l'extrême-avant. Progr. méd., 1917, 3. ser., **32:** 378–80.—**Clayton, M. D.** When is the diagnosis of neurasthenia justified? U. S. Veterans Bur. M. Bull., 1926, **2:** 61–4.—**Collie, J.** Neurasthenia; what it costs the

state. J. R. Army M. Corps, 1916, **26**: 525–44. ——— The management of neurasthenia and allied disorders, contracted in the Army. Recalled to Life, Lond., 1917, **1**: 234–53.—**Coplans, E.** Some observations on neurasthenia and shell-shock. Lancet, Lond., 1931, **2**: 960.—**Damaye.** Les neurasthénies de la guerre. Caducée, Par., 1918, **18**: 93.—**Dannehl.** Neurasthenie und Hysterie in der Armee. Deut. mil. ärztl. Zschr., 1909, **38**: 969–91.—**Davis, R. E.** The mechanism of neurasthenia among ex-service men. U. S. Veterans Bur. M. Bull., 1927, **3**: 549–59.—**Day, L. W.** A study of the last one hundred cases diagnosed as neurasthenia discharged from United States Veterans' Hospital, Perry Point, Md. Ibid., 559–73.—**Deleito, F. G.** Los falsos diagnósticos de neurastenia. Rev. san. mil., Madr., 1934, **24**: 1–8.—**Edgar, W. H.** On neurasthenia. J. R. Nav. M. Serv., 1935, **21**: 323–5.—**Hellpach.** Ueber die einfache Kriegsneurasthenie. Berl. klin. Wschr., 1917, **54**: 1210.—**Hurst, A. F.** Exhaustion resulting in neurasthenia. In his Med. Dis. War, 3. ed., Lond., 1943, 130–6.—**Kōno, T.** Senzi ni okeru sinkei-suizyaku-sei syōzyō no kansatu [Observation of neurasthenic symptoms in wartime] Gun idan zassi, 1943, 1071–83.—**Neurasthenia,** by A Medical Officer, R. N. J. R. Nav. M. Serv., 1935, **21**: 325–30.—**Neurasthenia** and shell shock. Lancet, Lond., 1916, **1**: 627.—**Schmidt, W.** Neurasthenie. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 168–94.—**Sharp, H. C., & Visher, J. W.** The etiology of neurasthenia. U. S. Veterans Bur. M. Bull., 1927, **3**: 329–34.—**Toomey, A. G. G.** West Coast memory. J. R. Nav. M. Serv., 1944, **30**: 232–5.

NEURITIS.

See also **Polyneuritis.**

Bailey, A. A. Neuritis due to traction or pressure. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 10, 74–6.—**Bernstein, M.** Compression neuritis. Med. Bull. Veterans Admin., 1941–42, **18**: 459.—**Davidenkov, S.** Radikulit (radiculitis) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1005–8.—**Doinikov, B.** Nevrit (neuritis) Ibid., **3**: 1267–74.—**Laurent, A.** Accidents du travail; névrite traumatique de la queue de cheval. J. méd. Paris, 1906, 2. ser., **18**: 107.—**Madden, A. B.** Vitamin B_1 in peripheral neuritis. Med. Bull. Veterans Admin., 1939–40, **16**: 16–24.—**Ovechkin, V. R.** [Examination and treatment of traumatic neuritis] Voen. med. J., Moskva, 1944, 51.—**Pette.** Neuritis und Polyneuritis. Veröff. Marine San., 1942, H. 34, 173–81.—**Robertson, H. F., & Varmus, F.** Report of a case of peripheral neuritis with hypertension following serum therapy. Mil. Surgeon, 1944, **95**: 129–32.—**Scott, O. F.** Ascending neuritis after traumatism. Ibid., 1919, **44**: 68.—**Smith, A. P.** Alcoholic neuritis simulating acute rheumatic fever. U. S. Veterans Bur. M. Bull., 1931, **7**: 596–601, pl.—**Sullivan, D. J., & Simon, A.** Vitamin deficiency as an etiological factor in central neuritis. Med. Bull. Veterans Admin., 1937–38, **14**: 228–35.—**Treatment** of painful neuritis resulting from wounds of war. Lancet, Lond., 1918, **1**: 224.—**Upiter, L. M.** K voprosu ob ocenke trudosposobnosti pri travmatičeskikh nevritakh po materialam Moskovskoj garnizonnoj komissii. Voen. san. delo, 1941, No. 3, 57–61.

NEUROCIRCULATORY asthenia.

See also **Heart neurosis.**

Bermann, G. El síndrome de esfuerzo durante la guerra. Sem. méd., B. Air., 1942, **49**: pt 2, 1513–9.—**Brooks, H.** Neurocirculatory asthenia. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 559–86.—**Crile, G.** Results in 152 denervations of the adrenal glands in treatment of neurocirculatory asthenia. Mil. Surgeon, 1940, 87: 509–11.—**Danson, J. G.** The effort syndrome. J. R. Nav. M. Serv., 1942, **28**: 108–18.—**Drake, W. L.,** jr. Soldier's heart in civil practice; a review of neurocirculatory asthenia. Marquette M. Rev., 1942–43, 7: 168–80.—**Durkin, H. A.** Neurocirculatory disease in the soldier. Illinois M. J., 1942, **82**: 354–8.—**Dyspepsia** and cardiovascular neuroses in wartime. Brit. M. J., 1941, **1**: 858.—**Faria, R.** Astenia neuro-circulatória; um problema de medicina militar. An. paul. med. cir., 1945, **49**: 58–62.—**Fraser, F. R.** Effort syndrome in the present war. Edinburgh M. J., 1940, **47**: 451–65. Also Edinburgh Postgrad. Lect., (1940–41) 1942, **2**: 102–16.—**Friedman, M.** Etiology and pathogenesis of neurocirculatory asthenia; hyperthermia as one of the manifestations of neurocirculatory asthenia. War Med., Chic., 1944, **6**: 221–7.—**Friedman, O. L.** Psychoneuroses and neurocirculatory asthenia or effort syndrome, and its importance in military medicine. Nat. Eclect. M. Ass. Q., 1942–43, **34**: No. 2, 35–44.—**Herrmann, G.** Functional cardiovascular disorders including the soldier's heart. J. Oklahoma M. Ass., 1942, **35**: 499–503.—**Hoyos, J. M.** El corazón del soldado. Rev. Esc. méd. mil., Méx., 1943, **2**: No. 11, 13–7.—**Hurst, A. F.** Effort syndrome. In his Med. Dis. War, 3. ed., Lond., 1943, 193–209.—**Jones, J. L.** The human heart in time of war; a discussion of neurocirculatory asthenia. J. Am. Osteopath. Ass., 1942–43, **42**: 276–8.—**Jones, M. S., & Scarisbrick, R.** Effort intolerance in soldiers; a review of 500 cases. War Med., Chic., 1942, **2**: 901–11. ——— Effect of exercise on soldiers with effort intolerance. Lancet, Lond., 1943, **2**: 331–3.—**Leblond, S.** Le coeur du soldat. Union méd. Canada, 1943, 72: 964 (Abstr.)—**McCullagh, E. P.** Differential diagnosis of neurocirculatory asthenia, soldier's heart. Mil. Surgeon, 1940, 87: 511–3.—**Master, A. M.** Effort syndrome or neurocirculatory asthenia in the Navy. U. S. Nav. M. Bull., 1943, **41**: 666–9.—**Oppenheimer, B. S.** Neurocirculatory asthenia and related problems in military medicine. Bull. N. York Acad. M., 1942, **18**: 367–82.—**Parkinson, J.** Effort syndrome in soldiers. Brit. M. J., 1941, **1**: 545–9.—**Reimann, H. A.** Hypothermia; subnormal temperature and its relation to neurocirculatory asthenia, soldier's heart. J. Am. M. Ass., 1940, **115**: 1606–9.—**Reisinger, J. A.** Neurocirculatory asthenia. Med. Bull. Veterans Admin., 1943–44, **20**: 8–20.—**Starr, I.** Ballistocardiographic studies of draftees rejected for neurocirculatory asthenia. War Med., Chic., 1944, **5**: 155–62.—**Steen, R. R.** Effort syndrome an anxiety state; a plea for the elimination of misnomers. U. S. Nav. M. Bull., 1944, **42**: 353–7.—**Thomas, D.** Das sogenannte erregbare Soldatenherz. Med. Klin., Berl., 1940, **36**: 89. Also Münch. med. Wschr., 1940, **87**: 602. Also Lek. wojsk., 1942, **34**: 244. (Abstr.)—**Veysi Boragan.** Zorlanmiş kalp. Askerî tibbi baytarî mecmuası, 1937, **14**: 322–34.—**Weed** out soldier's heart by Mark Time test. Science News Lett., 1940, **37**: 377.—**Whishaw, R.** A review of the physical condition of 130 returned soldiers suffering from the effort syndrome. Med. J. Australia, 1939, **2**: 891–3.—**White, P. D.** Neurocirculatory asthenia; familial incidence of the chronic type. Bumed News Lett., Wash., 1945, **5**: No. 3, 16.

NEUROFIBROMATOSIS.

Adams, F. Report of two cases of Recklinghausen's disease. U. S. Veterans Bur. M. Bull., 1927, **3**: 64–6, pl.—**Hughes, R.** A case of Recklinghausen's disease. J. R. Nav. M. Serv., 1922, **8**: 59.—**Johnson, H. P.** Two cases of Recklinghausen's disease. J. R. Army M. Corps, 1906, **6**: 696–9.—**Kutukake, A.** Babisinkei ni hassei-seru sinkei-sen-i-syu no iti rei [A case of neurofibroma developing from the cauda equina] Kaigun gun-i-kai zassi, 1928, **17**: 106–19, pl.—**Leutsker, R. J., & Ward, J. H.** Multiple neurofibromatosis (Recklinghausen's disease) with report of a case. U. S. Nav. M. Bull., 1933, **31**: 301–5, pl.—**McGill, R. J.** An unusual case of Recklinghausen's disease. J. R. Army M. Corps, 1941, **76**: 51.—**Mallow, O. B., & Burton, C. C.** Neurofibroma (Recklinghausen's disease) causing pressure on spinal cord. U. S. Veterans Bur. M. Bull., 1929, **5**: 989–91, pl.

NEUROLOGIST.

See **Neuropsychiatrist; Psychiatrist.**

NEUROLOGY.

See also **Neuropsychiatry; Psychiatry; Psychology.**

Bychowski, Z. Neurologja wojenna. Lek. wojsk., 1920, **1**: No. 4, 13–24.—**Critchley, M.** Neurology. Practitioner, Lond., 1941, **147**: 650–3.—**Everts, W. H.** Neurology in the Army. Bull. Menninger Clin., 1944, **8**: 136.—**Nemlicher, L. J.** [Problems of military psychoneurology in the literature of the last years] Sovet. psikhoneur., 1932, 8: 92–100.—**Samuel.** Neurologische Beobachtungen bei den Truppen. Berl. klin. Wschr., 1915, 52: 140.—**Schuster.** Demonstration zur Kriegsneurologie. Ibid., 1917, **54**: 271.

—— Congresses.

Congrès (IV) international de neurologie, Paris. Voj. zdrav. listy, 1948, **17**: 329.—**Martineck, O.** Tagung der in der Kriegsneurotikerbehandlung tätigen Aerzte der Heeresverwaltung am 9. Oktober d. J. Deut. mil. ärztl. Zschr., 1918, **47**: 404–7.—**Rizzo, C.** La Riunione nevrologica internazionale. Gior. med. mil., 1933, **81**: 617–25. ——— Il Congresso internazionale di neurologia. Ibid., 1935, **83**: 805–8.

—— Examination methods.

See also **Electroencephalography; Neuropsychiatric examination.**

CIMBAL, W. J. O. Taschenbuch zur Untersuchung von Nervenverletzungen, Nerven- und Geisteskrankheiten; eine Anleitung für Aerzte, insbesondere bei gerichtlichen, militärischen und Unfallsbegutachtungen. 3. Aufl. 255p. 17cm. Berl., 1918.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 76: Neurological diagnostic techniques. 7p. 26cm. Wash., 1944.

——— [The same] Change 1 [1]p. 27cm. Wash., 1945.

Bellis, C. J. The neurologic examination of the soldier. J. Nerv. Ment. Dis., 1947, **106**: 631–49.—**Freitas Julião, O.** Sistematização do exame neurológico. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 21–33, tab.—**Glekel, M. S.** [Clinical method and psychophysiology of man] Tr. Acad. mil. med. Kiroff, 1936, **6**: 185–91.—**Jaroszyński, T.** W sprawie ekspertyz wojskowo-lekarskich w przypadkach neurologicznych. Lek. wojsk., 1920, **1**: No. 6, 18–20.—**Lavrentjev, N.** Nevrologičeskoe issledovanie bolnogo. In: Encikl. slovar voen. med.,

Moskva, 1946–48, 2: 1024–9.—**Licht, S.** Neuromuscular electrodiagnosis; an outline. Bull. U. S. Army M. Dep., 1944, No. 72, 74–80.—**Ohnsorge.** Die Bedeutung der Röntgen-Kontrast-Untersuchungen für die neurologische Diagnostik. Deut. Militärarzt, 1936, 1: 147–54.—**Prives, M. G.** [Roentgenological examination of the peripheral nervous system; roentgen-neurography] Sborn. tr. Voen. med. akad. Kirov, 1937–38, 256–63.—**Sagal, A. A.** [Importance of diagnosis of early symptoms of diseases of the central nervous system in the practice of an army physician] Voen. med. J., Moskva, 1932, 3: 226–9.—**Weatherby, F. E.** The Justman method of eliciting the knee-jerk. Mil. Surgeon, 1941, 89: 902.—**Yakovlev, P. I.** Neurological examination of inductees. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 53–65.

—— Hospitals and departments.

See also **Neurosis center**; Psychiatric hospital.

Golgi, C. Il reparto neuropatologico specializzato presso l'Ospedale militare di riserva, Collegio Borromeo, di Pavia. p.2–60. 23cm. Pavia, 1917.

Boll. Soc. med. chir., Pavia, 1917, 30:

Hartmann, F. Die k. k. Nervenklinik Graz im Dienste des Krieges. p.1162–258. 23cm. Berl., 1918.

Arch. Psychiat., Berl., 1918, 59:

Bianchi, V. Scopi e finalità dei centri nevrologici militari. Ann. nevr., Nap., 1919, 35: 1–11.—**Böhmig, H.** Bericht der Nervenabteilung des Reservelazaretts I. Dresden. Deut. mil. ärztl. Zschr., 1916, 45: 158–81.—**Guillermin, R.** Quelques notes sur le Centre Neurologique de Lyon. Rev. méd. Suisse rom., 1917, 37: 429–39.—**Jolly, P.** Erfahrungen auf der Nervenstation eines Reserve-Lazaretts. Schmidts Jahrb., 1915, 322: 141–7.—**Juhász, P.** Szempontok az idegosztályra történő beutaláskor. Honvédorvos, 1950, 3: 430–4.—**Katzenstein, E.** Erfahrungen in der Neurologischen Station der M. S. A. 6. Praxis, Bern, 1940, 29: 267.—**Mahr & Hartung.** Ein Jahr Militär-Nervenheilanstalt. Zschr. ges. Neur. Psychiat., 1918, Orig., 40: 229–36.—**Pavlovsky, L. K.** O nervnykh bolnykh v Sevastopolskom Morskom Hospitale v 1906 godu. Med. pribav. morsk. sborn., 1907, pt 2, 111; 165. ——— O nervnykh bolnykh v Sevastopolskom Morskom Hospitale za 1911 god. Morsk. vrach, 1913, 19–37.—**Penfield, M., & Cone, W. V.** The special hospital in time of war. Arch. Neur. Psychiat., Chic., 1943, 50: 193–6. Also Tr. Am. Neur. Ass., 1943, 69: 31–7.—**Rhein, J. H. W., & Hall, R. W.** Army neurological hospitals; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1929, 10: 325–53.—**Sala, G.** The neuro-organic section of the Neurological military centre at Pavia. Inter-allied Conf. Aftercare Disabled Men, 1918, 2: 255–7.

—— Manual.

See under **Neuropsychiatry, Manual.**

—— Progress.

Lubin, A. J. Recent contributions to war neurology. Am. J. M. Sc., 1944, 207: 114–29.—**Smyth, G. E.** Oberfeldarzt professor Hugo Spatz, the Department of Brain Research, Kaiser Wilhelm Institute. CIOS Rep., Lond., 1945, Item 24, No. XXVII–96, 1–11. ——— Report on the Kaiser Wilhelm Institute, Department of Brain Research, at present occupying the premises of the Institute for Psychiatry in Munich. Ibid., 3–11.

—— Service organization.

See also subheading (Hospitals and departments) also **Neurosis center; Neurosurgery,** Organization.

Gepner, T. Z praktyki wojskowo-lekarskiej; neurologja w armji francuskiej. Lek. wojsk., 1920, 1: No. 6, 14–8.—**Khoroshko, V. K.** [Organization of aid to warriors with wounded or diseased nervous system] Psikhiat. gaz., Petrogr., 1916, 3: 398–401.—**Medea, E.** Sur l'organisation de l'assistance militaire névrologique en Italie, avec rapport spécial aux Centri Neurologici et en particulier aux Padiglione Biffi a Milan. Interallied Conf. Aftercare Disabled Men, 1918, 2: 246–50.—**Mozołowski, S.** [Wants of the neurological military sections] Lek. wojsk., 1935, 25: 446–54.—**Riquier, G. C.** Sui servizi neurologici della zona territoriale. Policlinico, 1918, 25: sez. prat., 656–8.—**Souques, A., Claude, H., & Froment, J.** L'organisation et le fonctionnement des services neurologiques des régions et de la zone des armées. Rev. neur., Par., 1917, 24: 322–30.—**Woods, W. W.** A letter from Lieutenant Woods. Univ. Hosp. Bull., Ann Arb., 1944, 10: 82.

—— Therapeutics.

See also **Nerve injury,** Treatment; **Neurosurgery; Therapeutics.**

Skalweit, W. Indikation der Sulfonamidbehandlung in der Neurologie mit Berücksichtigung der kritiklosen Anwendung. MS. 4p. 30cm. n. p., 1945 [?]

Cushing, H. The neurological aspects of reconstruction. Med. Rec., N. Y., 1919, 96: 125.—**Orzechowski.** Lecznictwo neurologiczne w zdrojowiskach polskich. Lek. wojsk., 1928, 12: 267.—**Thompson, G. N., McGinnis, J. E.** [et al.] Electronarcosis; clinical comparison with electroshock. War Med., Chic., 1944, 6: 158–61.

—— Veterans.

Bailey, P. Plans in progress for the care of neurological patients under the Veterans Administration. Tr. Am. Neur. Ass., 1946, 71: 7–9. ——— Program for the activation of neurology under the Veterans Administration. J. Am. M. Ass., 1947, 134: 1283–7.

—— in wartime.

Bobbio, L. Per una più giusta e più utile collaborazione fra nevrologia e chirurgia di guerra. Policlinico, 1916, 23: sez. prat., 492.—**Bruns, L.** Kriegsneurologische Beobachtungen und Betrachtungen. Neur. Zbl., 1915, 34: 12–5.—**Denny-Brown, D. D.** War neurology. Arch. Neur. Psychiat., Chic., 1942, 47: 348. Also J. Nerv. Ment. Dis., 1942, 95: 208.—**Fulton, J. F.** Neurology and war. Tr. Coll. Physicians Philadelphia, 1940–41, 8: 157–65.—**Futer, D. S.** [Study of neurology in war time] J. nevropat psikhiat., Moskva, 1931, 24: 57–9. ——— [Practical problems of neurology during war] Nevropat. psikhiat., 1942, 11: No. 3, 3–13.—**Heimanovich, A. I.** [Neurology of the war] Sovet. psikhonevr., 1933, 9: 7–12. Also Vopr. nevrokhir., 1939, 3: 9–24.—**Mann.** Kriegsneurologische Fällen. Jahrber. Schles. Ges. vaterl. Cult. (1915) 1916, 2: Abt. 1, Med. Sekt. [Sitzung] 17–29.—**Neurology** and the war. Med. Press & Circ., Lond., 1918, n. ser., 105: 98.—**Penfield, W.** Some problems of wartime neurology. Arch. Neur. Psychiat., Chic., 1942, 47: 839–41. Also J. Nerv. Ment. Dis., 1942, 96: 440–3.

NEUROMA.

See under **Nerve,** Disease.

NEUROMYELITIS.

See under **Optic nerve.**

NEUROPATHOLOGY.

See also **Nerve,** Disease; **Nervous system,** Disease; **Neurology; Pathology; Psychiatry.**

United States. Armed Forces Institute of Pathology. Guide to the exhibit on the history of neuropathology. 121p. 25cm. Wash., 1948.

United States. War Department. Surgeon General's Office. Army Medical Museum. Atlas of neuropathology. 154p. 25½cm. Wash., 1944.

Heimanovich, A. I. [Neurology of the war, and general pathology of the nervous system] Sovrem. psikhiat., 1916, 10: 200–10.—**Krasnov, D. A.** Ekspertiza v voennoj nevropatologii. Voen. san. delo, 1940, No. 10, 85–9.—**Landau, E.** Neuropathologische Kriegserfahrungen. Korbl. Schweiz. Aerzte, 1919, 49: 33–47.

NEUROPATHY.

See **Nerve,** Disease.

NEUROPHYSIOLOGY.

See **Nerve; Nervous system.**

NEUROPSYCHIATRIC casualty.

See also **Disabled,** Disease; **Flight personnel; Mental hygiene; Neurosis; Neurotic; Psychopath; Psychosis; War neurosis; War psychosis.**

Carlson, W. A., & Rafferty, J. A. Follow-up study of neuropsychiatric cases which appeared before the 1st C. M. E. 12p. 26½cm. Randolph Field, 1949.

Forms Proj. No. 21–02–027, U. S. Air Force School Aviat. M.

Ironside, R. N., & Batchelor, I. R. C. Neuro-psychiatric disorders in aviators. p. 32–155. 22½cm. Edinb., 1945.

In: Aviat. Neuropsychiat. Ironside, R. N.) Edinb., 1945.

United States. Navy. Bureau of Medicine and Surgery. NAVMED 279: The NP problem. 20p. 13½cm. Wash., 1944.

Appel, J. W., Beebe, G. W., & Hilger, D. W. Comparative incidence of neuropsychiatric casualties in World War I and World War II. Am. J. Psychiat., 1946–47, **103**: 196–9.— **Army** experiment in retraining psychoneurotic casualties. Psychol. Bull., 1944, **41**: 519–23.—**Bailey, P.** Neuropsychiatric casualties and the program of the Veterans Administration. Mil. Surgeon, 1947, **100**: 119–22.—**Barton, W. E.** Convalescent reconditioning program for neuropsychiatric casualties in the U. S. Army. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 271–84.—**Blain, D.** Administration and disposition of neuropsychiatric casualties in the merchant marine. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 99–105. —**Braceland, F. J.** Administration and disposition of neuropsychiatric casualties in the Navy. Ibid., 90–8.— **Bromberg, N.** The rôle of conditioned responses in emotional disturbances of war. Am. J. Psychiat., 1946–47, **103**: 26–32.— **Chisholm, G. B.** Some factors in the high rate of neuropsychiatric casualties. Bull. Menninger Clin., 1944, **8**: 36–8.— **Dombrowski, E. B.** Air evacuation of neuropsychiatric patients. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 13.—**Farrell, M. J.** Military laws and regulations pertaining to disposition of neuropsychiatric casualties. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 71–82.—**Grinker, R. R., & Spiegel, J. P.** The management of neuropsychiatric casualties in the zone of combat. Ibid., 516–40.—**Hanson, F. R.** Method of handling neuropsychiatric casualties in theaters of operation, proposed 1949. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 205–9.—**Knox, S. C.** NP combat casualties. Hosp. Corps Q., 1945, **18**: No. 9, 23–9.—**Knudson, A. B. C., & Davis, J. E.** Medically prescribed exercises for neuropsychiatric patients; the Veterans Administration program. J. Am. M. Ass., 1949, **140**: 1090–5.— **Love, H. R.** Neurotic casualties in the field. Med. J. Australia, 1942, **2**: 137–43.—**McNeil, C., Henderson, D. K.** [et al.] The aftercare of neurotic war casualties. Lancet, Lond., 1942, **1**: 354.—**Malamud, I. T., & Stephenson, R. B.** A study of the rehabilitation of neuro-psychiatric casualties occurring in the Armed Forces. Appl. Anthrop., 1943–44, **3**: No. 2, 1–15.— **Matz, P. B.** Future incidence of nervous and mental disease among ex-service men. U. S. Veterans Bur. M. Bull., 1930, **6**: 642–53.—**Moxness, B. A.** Cardiovascular disease in neuropsychiatric patients. Mil. Surgeon, 1938, **82**: 97–106.— **Murray, J. M.** Disposition of neuropsychiatric cases in the Army Air Forces. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 82–90.—**Nesmith, H. D.** Neuropsychiatric casualties in an infantry division. Bull. U. S. Army M. Dep., 1947, **7**: 445–54.—**Neuropsychiatric** disease; causes and prevention. Ibid., 1945, No. 69, 9–13.—**Neurotic** casualties in the field. Lancet, Lond., 1942, **2**: 729.—**Parsons, E. H.** Military neuropsychiatric diseases of the present war. J. M. Ass. Georgia, 1942, **31**: 324–30.—**Sands, D. E.** Neurotic battle casualties. Brit. M. J., 1944, **1**: 760.—**Schwab, R. S.** A method of evaluating neuropsychiatric casualties. Bumed News Lett., Wash., 1944, **4**: No. 8, 18–23. ——— **& Stearns, A. W.** Five hundred neuropsychiatric casualties at a Naval hospital. Arch. Neur. Psychiat., Chic., 1943, **50**: 493–6. Also J. Maine M. Ass., 1943, **34**: 81–9. Also J. Nerv. Ment. Dis., 1943, **98**: 73–8.—**Steele, F. E.,** jr. Coexisting organic and functional symptoms in neuropsychiatric conditions. Med. Bull. Veterans Admin., 1935–36, **12**: 266–70.—**Strecker, E. A.** Military neuropsychiatric disabilities and their treatment. Tr. Ass. Life Insur. M. Dir. America (1942) 1943, **29**: 295–313.— **Thompson, L. J.** Treatment of neuropsychiatric disabilities during combat. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 9, 15–8.—**Trends** in the neuropsychiatric incidence rate. Health U. S. Army, 1949, **4**: No. 9, 1–6.—**Tureen, L. L.** The problem of the neuropsychiatric soldier: an orientation for Army officers. Washington Univ. M. Alumni Q., 1944–45, **8**: 66–73.

—— psychiatric.

See also **War psychosis.**

Ballard, S. I. Psychiatric casualties in a women's service. Brit. M. J., 1945, **1**: 293–5.—**Clark, R. A.** Rehabilitation of psychiatric war casualties. Merck Rep., 1946, **55**: 16–8.— **Dynes, J. B., Hamilton, F. J., & Cohen, R. A.** A program for the rehabilitation of psychiatric war casualties; role of the convalescent hospital. U. S. Nav. M. Bull., 1944, **43**: 628–33.— **Early** recognition and treatment of psychiatric battle casualties. Bull. Army M. Dep., Lond., 1943, Suppl. No. 5, 1–10.— **Fox, H. M., & Schnaper, N.** Psychiatric casualties in a general hospital overseas; a preliminary survey of recent cases. Am. J. Psychiat., 1944–45, **101**: 316–24.—**Frosch, J., Steibel, E.** [et al.] A follow up study of the precombat Army psychiatric casualty. Am. J. Orthopsychiat., 1943, **13**: 718–22.—**Garner, H. H.** Psychiatric casualties in combat. War Med., Chic., 1945, **8**: 343–57.—**Geller, J. J.** A statistical analysis of 480 Army psychiatric casualties. J. Nerv. Ment. Dis., 1949, **109**: 509–18.—**Goldstein, R.** Mental casualties. Connecticut M. J., 1942, **6**: 522–7.—**Greiber, M. F.** Narcosynthesis in the treatment of the noncombatant psychiatric casualty overseas. War Med., Chic., 1945, **8**: 85–90.—**Hagan, M., & Duval, A. M.** A practical Red Cross program for the social rehabilitation of psychiatric casualties in the United States Navy. Am. J. Psychiat., 1943–44, **100**: 105–8.— **Harms, H. E., Kobler, F. J., & Sweeney, F. J.** Negro Army psychiatric casualties; a statistical report on 100 Negro soldiers referred to an Army mental hygiene unit. War Med., Chic., 1945, **7**: 309–12.—**K., W. F.** The role of sedation in the medical treatment of psychiatric casualties; a series of suggested therapies. Bumed News Lett., Wash., 1943, **2**: No. 6, 1–5.—**Kant, O.** Types of psychiatric casualty in the Armed Forces. Ment. Hyg., 1945, **29**: 656–65.—**Klein, E.** Acute psychiatric war casualties. J. Nerv. Ment. Dis., 1948, **107**: 25–42.— **Ludwig, A. O., & Ranson, S. W.** A statistical follow-up of effectiveness of treatment of combat-induced psychiatric casualties; returns to full combat duty. Mil. Surgeon, 1947, **100**: 51–62. ——— A statistical follow-up of the effectiveness of treatment of combat-induced psychiatric casualties; evacuations to the base. Ibid., 169–75.—**Mira y López, E.** Recovery and readjustment [of mental casualties] In his Psychiatry in War, N. Y., 1943, 110–8.—**Mulinder, E. K.** Psychotic battle casualties. Brit. M. J., 1945, **1**: 733.— **Overholser, W.** Psychiatric casualties of war and their treatment. N. England J. M., 1944, **231**: 377–80.—**Palmer, H.** Military psychiatric casualties; experience with 12,000 cases. Lancet, Lond., 1945, **2**: 454; 492.—**Pegge, G.** Notes on psychiatric casualties of the first days of war. Brit. M. J., 1939, **2**: 764.—**Pouppirt, P. S.** Psychiatric casualties. California West. M., 1945, **62**: 176–8.—**Psychiatric** battle casualties. J. Am. M. Ass., 1943, **123**: 499.—**Raines, G. N.** Observations on combat psychiatric casualties. Virginia M. Month., 1945, **72**: 208–10.—**Rennie, T. A. C., & Woodward, L. E.** Rehabilitation of the psychiatric casualty. Ment. Hyg., Alb., 1945, **29**: 32–45. ——— More common psychiatric disabilities of war and military life. In their Ment. Health, N. Y., 1948, 77–87. ——— Treatment of psychiatric casualties in the Armed Forces. Ibid., 94–101.—**Ripman, H. A.** The psychiatric battle casualty. Guy's Hosp. Gaz., Lond., 1944, **58**: 258–62.— **Rose, R. L., Pegge, G., & Gillespie, R. D.** Psychological casualties in war. Brit. M. J., 1939, **2**: 1248.—**Ross, T. A.** Psychological casualties in war. Ibid., 1110.—**Schwab, R. S.** The duty problem and the psychiatric casualty; a rapid method of decision. War Med., Chic., 1944, **6**: 144–50.—**Shakow, D.** Some types of military psychiatric casualties and the problem of rehabilitation. Psychol. Bull., 1944, **41**: 584.—**Sim, M.** The N. C. O. as a psychiatric casualty; a study of 627 cases admitted to a psychiatric hospital. J. R. Army M. Corps, 1945, **85**: 184–6.—**Simon, A.** Psychiatric casualties in the Army of '41 from the state of Illinois; a study of the social data. Illinois Psychiat. J., 1942, **2**: No. 2, 12–4. —— — **& Hagan, M.** Social data in psychiatric casualties in the Armed Services. Am. J. Psychiat., 1942–43, **99**: 348–53.—**Steele, E. H.** Psychiatric casualties. U. S. Nav. M. Bull., 1944, **42**: 1089–91.—**Wellman, M., & Simpson, J. F.** Psychiatric casualties in the Royal Canadian Navy. Am. J. Psychiat., 1944–45, **101**: 625–8.— **Wilson, A. T. M., & Hargreaves, G. R.** Psychological casualties in war. Brit. M. J., 1939, **2**: 1161.—**Wilson, H.** Psychiatric casualties. Lond. Hosp. Gaz., 1939–40, **43**: 16–8.—**Wright, M. E.** Treatment of psychological casualties during war. Brit. M. J., 1939, **2**: 615–7. Also in War Wounds (Brit. M. J.) Lond., 1939, 183–90.

NEUROPSYCHIATRIC examination.

See also **Aviator,** Neuropsychiatry; **Criminal,** Psychopathology; **Medical examination; Narcoanalysis; Narcosynthesis; Neurology,** Examination methods; **Psychiatry;** also such terms as **Neurosis; Psychomotor test; War neurosis; War psychosis.**

Hugonot, R. *Le médecin pyschiatre dans la sélection du contingent; le contrôle psychique dans l'armée. 83p. 25cm. Lyon, 1947.

United States. War Department. Technical bulletin TB MED 33: Induction station neuropsychiatric examination. 2p. 26cm. Wash. 1944.

Bailey, P. Detection and elimination of individuals with nervous or mental disease. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 57–86.—**Cohen, L. H.** Psychiatric considerations in the selection of military personnel. Connecticut M. J., 1941, **5**: 453–7.—**Eanes, R. H.** Use of neurological and psychiatric information in Selective Service. Psychiat. Q. Suppl., 1942, **16**: 226–30.—**Edgar, W. H.** The mind of the boy. J. R. Nav. M. Serv., 1934, **20**: 130–6.— **Goldstein, H. H.** Neuropsychiatric evaluation of the potential soldier. Am. J. Psychiat., 1942–43, **99**: 29–32.—**Golman, S. W.** [Examination of the nervous system by the Commander of the Red Army] Voen. med. J., Moskva, 1932, **3**: 287–95.—**Gregory, M. S.** Neuropsychiatry in recruiting and cantonment. Arch. Neur. Psychiat., Chic., 1919, **1**: 89–94.—**Mericle, E. W.** Neuropsychiatric examinations in Selective Service. J. Indiana M. Ass., 1941, **34**: 410–2.—**Neuropsychiatric** examination of applicants for voluntary enlistment and selectees for induction. War Med., Chic., 1941, **1**: 418–25.—**Psychiatric** selection in America. Lancet, Lond., 1942, **1**: 537.

—— Age factor.

Hadley, E. E., Ewerhardt, P. [et al.] Military psychiatry; a note on the factor of age. Psychiatry, Balt., 1942, **5**: 543–50.—**Weininger, B. I.** Military psychiatry; ages 18 and 19. Ibid., 1943, **6**: 89–97.

—— Cornell Selectee Index.

See subheading (Selectee index)

—— Diagnostic aspect.

Beck, B. M. Problems found in an Army mental-hygiene unit that could not reasonably have been predicted by pre-induction history and examination. Ment. Hyg., Alb., 1944, **28**: 568–70.—**Brody, M. W.** Psychiatric diagnosis in military service. Arch. Neur. Psychiat., Chic., 1948, **59**: 267–9.—**Edelson, S. E.** Social work in selection for the Armed Forces; types of problem that would have been discovered with better pre-induction screening. Ment. Hyg., Alb., 1944, **28**: 565–7.—**Hoppe, H. H.** The sources of error in neuropsychiatric diagnosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 745–56.—**Medical** circular No. 1 [Incapacitating mental and personality factors in registrants] In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 92–102.—**Merritt, H. H.** Examination of recruits; detection of commoner neurologic disorders in the young adults. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 23–34.—**Orr, D. W.** The veteran and his neuropsychiatric diagnosis. Ment. Hyg., Alb., 1946, **30**: 628–47.—**Perry, J. S.** Some diagnostic considerations in the neuropsychiatric examination of selectees. J. Nat. M. Ass., 1943, **35**: 49–53.—**Rees, J. R.** Unfit on psychiatric grounds. Occup. Psychol., Lond., 1946, **20**: 125–31.—**Seminar** on practical psychiatric diagnosis, Selective Service System. Psychiatry, Balt., 1941, **4**: 265–83.—**Stearns, A. W.** Examination of recruits; detection of commoner psychotic and neuropathic traits. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 19–22.

—— Disposition methods.

See **Neurotic,** Discharge and rejection; **Psychopath; Recruit.**

—— Economic aspect.

Cooley, M. The economic consequences of inadequate psychiatric examinations. Psychiatry, Balt., 1941, **4**: 261–3. —— The economic aspect of psychiatric examination of registrants. War Med., Chic., 1941, **1**: 372–82.

—— Expert testimony.

See **Forensic medicine; Psychiatry,** Forensic aspect.

—— Female soldier.

United States. War Department. Technical bulletin TB MED 100: WAC recruiting station neuropsychiatric examination. 5p. 26cm. Wash., 1944.

—— Findings.

Benon, R. Neuro-psychiatrie et statistique militaire. Bull. méd., Par., 1939, **53**: 755–8.—**Bowman, K. M.** Report of the examination of the regiment, U. S. Army, for nervous and mental diseases. Am. J. Insan., 1918, **74**: 555–67.—**Brigham, C. C.** Army tests by States. Eugen. News, 1928, **13**: 67–70.—**Campbell, C. M.** Selective Service System; psychiatric notes on selectees and their families. J. Nerv. Ment. Dis., 1942, **95**: 625–8.—**Carlson, W. A.** Follow-up study of 1749 neuropsychiatric cases which appeared before the First Central Medical Establishment. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 4, July, 6.—**Flicker, D. J.** Psychiatric induction examination; with a review of the results of examining 17,000 selectees. War Med., Chic., 1942, **2**: 931–43.—**Frankel, E.** Incidence of previous institutional care among selective service registrants; the New Jersey experience of 100,000 men. Am. J. Ment. Defic., 1944–45, **49**: 68–74.—**Stone, A.** The medical survey program in Minnesota. Ment. Hyg., Alb., 1944, **28**: 570–8.—**Wells, F. I.** Psychological examination in military service, with special reference to the marginal recruit. Proc. Brief Psychother. Counc., 1944, 2. Counc., **1**: 42–5.

—— Importance.

Baganz, C. N. The importance of a proper psychiatric survey in the enrollment of the personnel of military forces. Mil. Surgeon, 1940, **86**: 471–7.—**Bahr, M. A.** The importance of a neuropsychiatric examination of registrants for military service. Rep. Dep. Path. Indiana Hosp. Insane (1917–19) 1923, **8**: 84–92.—**Gillespie, R. D.** Mental breakdown in Army avoided by strict tests. N. York State J. M., 1941, **41**: 2346.—**Strict** pre-induction tests should prevent mental breakdowns in Armed Forces. Diplomate, 1942, **14**: 78.—**Wittson, C. L., & Hunt, W. A.** Psychiatric selection at the precommissioning level. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 22–5.—**Yost, M. A.** The mental hygiene value of the Selective Service Act. Ment. Hyg. News, Alb., 1941–42, **12**: No. 4, 1.

—— Intelligence test.

See as main heading; also under subheading (Mental test)

—— Interview.

See also subheading (Questionnaire)

Aita, J. A. Efficacy of the brief clinical interview method in predicting adjustments; 5 year follow-up study of 304 Army inductees. Arch. Neur. Psychiat., Chic., 1949, **61**: 170–6.—**Curran, D.** A screening procedure for the selection of recruits for psychiatric interview. J. Ment. Sc., Lond., 1945, **91**: 290–300.—**Pasquasy.** L'interview. Arch. Serv. san. Armée belge, 1946, **99**: 161–73.

—— Mental test.

See also **Mental test.**

Kahn, S. Army mental questions. 8p. 19cm. Bost. [after 1940]

Abreu, F. de. A seleção mental do combatente. An. Hosp. centr. exerc., Rio, 1944, **9**: 13–34.—**Adams, E. S.** Examination of registrants with mental records by local board and Army physicians. Army M. Bull., 1942, No. 61, 75–7.—**Ashley, G.** Psychiatric problems in the induction service. Rocky Mountain M. J., 1945, **42**: 178–81.—**Bisch, L. E.** A routine method of mental examinations for naval recruits. U. S. Nav. M. Bull., 1919, **13**: 198–228, pl.—**Bloomberg, W., & Solomon, H. C.** Neuropsychiatric examination of selective service registrants for induction into the Army of the United States. In: Cyclop. Med. (Piersol-Bortz) Phila., 1943, Serv. Vol., 432–40.—**Bowman, K. M.** Psychiatric examination in the Armed Forces. War Med., Chic., 1941, **1**: 213–8.—**Campos, M.** O exame mental dos recrutas; sua necessidade. Bol. Soc. med. cir. mil., Rio, 1915–16, **1**: 6–14.—**Dodge, R.** The relation of psychology to special problems of the Army and Navy. Science, 1920, n. ser., **51**: 597.—**Folly.** Est-il opportun de faire subir aux recrues un examen mental? Bull. Soc. méd. mil. fr., 1926, **20**: 274–6.—**Halstead, H., & Chase, V. E.** Review of a verbal intelligence scale on military neurotic patients. Brit. J. M. Psychol., 1944, **20**: 195–201.—**Heersema, P. H.** Employment of mental hygiene principles in improved selection of Armed Forces. J. Lancet, 1943, **63**: 405–9.—**Hilger, D. W.** Psychiatry in the Army pre-induction medical examination. Bull. Menninger Clin., 1942, **6**: 147–52.—**Humbert, F.** Du diagnostic psychiatrique dans l'armée. Schweiz. Arch. Neur. Psychiat., 1941, **47**: 302–6.—**Humphreys, E. J.** Editorial comment on a memorandum on the selective process in general and on the role of psychiatry in the selective process and in the Armed Forces. Am. J. Ment. Defic., 1942–43, **47**: 131.—**Investigation** on soldiers of psychiatric low disposition. Med. Targets, 1945, No. M–AB, 137–9.—**Lewinski, R. J.** Psychometric procedures. Hosp. Corps Q., 1945, **18**: No. 9, 14–6.—**MacMillan, E. A.** Psychiatry and the Selective Service. North Carolina M. J., 1941, **2**: 119–23.—**Martin, A. L.** Cooperation of the Child Study Department of Rochester Board of Education with Selective Service. J. Consult. Psychol., 1943, **7**: 267–73.—**Memorandum** (A) on the selective process in general and on the role of psychiatry in the selective process and in the Armed Forces. Am. J. Ment. Defic., 1942–43, **47**: 132–47.—**Men** up for Army training will have psychiatric examination. Science News Lett., 1940, **38**: 334.—**Mikorey, M.** Militärisch-psychiatrische Beurteilung. Münch. med. Wschr., 1940, **87**: 386.—**Minimum** psychiatric inspection; Medical Circular No. 1, revised, Selective Service System, May 1941. J. Am. M. Ass., 1941, **116**: 2059–61.—**Mullen, F. A.** Comparison of the revised Kent emergency tests with the revised Stanford-Binet and Kuhlmann-Anderson tests. J. Psychol., Provincet., 1943, **15**: 151–63.—**New** (The) Army individual test of general mental ability. Psychol. Bull., 1944, **41**: 532–8.—**Orr, D. W.** Objectives of the Selective Service psychiatric classification. Bull. Menninger Clin., 1941, **5**: 131–3.—**Page, H. E.** Mental ability; facts proved by scientific analysis. Quartermaster Rev., 1943, **23**: No. 2, 88.—**Pratt, J. H.** Psychiatric factors in the medical examination. War Med., Chic., 1941, **1**: 358–63.—**Problems** of induction from the standpoint of neuropsychiatry. Am. J. Orthopsychiat., 1943, **13**: 733.—**Rashkis, H. A.** The psychometric analysis of a diagnostic problem. Ibid., 1947, **17**: 529–32.—**Rebierre.** Est-il opportun de faire subir aux recrues un examen mental? Bull. Soc. méd. mil. fr., 1926, **20**: 174–80.—**Schmidt, W.** Imbezillität. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 197–208.—**Seminar** (A) on practical psychiatric diagnosis, Selective Service System. Psychiatry, Balt., 1941, **4**: 265–83.—**Smith, L. H.** Psychiatric examination of men for military service. In: Cyclop. Med. Surg. (Piersol, G. M.) 1942, Rev. Serv., 418–21.—**Stearns, A. W.** Psychiatric examination of the recruits. Bull. New England M. Center, 1941, **3**: 133–6. —— & **Solomon, H. C.** Psychiatric examination of inductees. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 45–53.—**Sylvester, R. W.** Military psychology; analysis of mental ability. Mil. Rev., Fort

Leavenw., 1947–48. 27: No. 12, 21–6.—**Thom, D. A.** Symposium on the subject of mental examination of recruits. J. Nerv. Ment. Dis., 1918, 47: 127–31.—**Volunteers** help check selectee mental status. N. York State J. M., 1942, 42: 2224.—**Wells, F. L.** Examination of recruits; practical psychometric tests. Collect. Lect. Metrop. State Hosp., Waltham, 1942, 7: pt 1, 13–8.

—— Mental test, brief.

Colmen, J. G. A rapid determination of intellectual adequacy for the naval service. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 49.—**Glass, A. J.** An attempt to predict probable combat effectiveness by brief psychiatric examination. Am. J. Psychiat., 1949–50, 106: 81–90.—**Menninger, W. C.** Abbreviated neuropsychiatric examination for use in Selective Service examinations. Bull. Menninger Clin., 1941, 5: 139–45. Also War Med., Chic., 1941, 1: 843–53.

—— Methods.

See also other subheadings; also such terms as **Narcoanalysis; Narcosynthesis; Psychomotor test; Psychophysical test,** also **Nervous system,** Injury.

Aita, J. A. The problem of neurologic and psychiatric examination during military mobilization; general considerations. Proc. Mayo Clin., 1941, 16: 283–7. ——— Neuropsychiatric examination. Ibid., 294–8. ——— Consideration of the guides for examination. Ibid., 307–13. ——— Neurologic and psychiatric examination during military mobilization; results and suggestions derived from a study of 9,652 men. War Med., Chic., 1941, 1: 769–80.—**Cunningham, J. M.** Methods for rapidly securing recorded personal history of inductees. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 33–42.—**Palmieri, V. M.** L'esplorazione farmacodinamica della psiche e del sistema nervoso a scopo medico-legale. Gior. med. mil., 1947, 94: 181–91.—**Rosner, A. A.** Psychiatric voice recordings in the military service; a recorded program. War Med., Chic., 1944, 6: 38–41.—**Simoneit, M.** Zur Willensuntersuchung bei wehrmachtpsychologischen Eignungsuntersuchungen. Forsch. & Fortsch., 1936, 12: 369.—**Will, O. A., jr.** The value of the social service history in the detection of those psychiatrically unsuited for military service. U. S. Nav. M. Bull., 1946, 46: 1403–7. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 18–21.

—— Neurological tests.

See under **Neurology.**

—— Organization.

Dynes, J. B., & Springer, N. N. The psychiatric evaluation of naval personnel returning from combat and overseas duty. J. Nerv. Ment. Dis., 1945, 102: 564–70.—**Littmann, J.** Psychiatrisch-neurologische Begutachtungen im Felde. Schweiz. Arch. Neur. Psychiat., 1941, 46: 215–60.—**Schneck, J. M.** Neuropsychiatry at a separation center. Mil. Surgeon, 1947, 100: 232.—**Schwab, R. S.** Psychiatric data compiled at a United States Naval Personnel Separation Center. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 115–7.

—— psychoanalytic.

See **Psychoanalysis.**

—— Psychological tests.

See also **Aviator,** Psychological examination; **Motor system.**

Fisher, M. B., Birren, J. E., & Leggett, A. L. Standardization of a code substitution test and a test of computation speed. 12p. 26½cm. Bethesda, 1945.

Forms Rep. No. 8, Res. Proj. X–293, U. S. Nav. M. Res. Inst.

Aptitude tests for the Army. Lancet, Lond., 1942, 1: 709.—**Aptitudes** in war and peace. Ibid., 1943, 1: 433.—**Atwell, C. R., Bloomberg, W., & Wells, F. L.** Psychometrics at an Army induction center. N. England J. M., 1941, 224: 898.—**Bijou, S. W.** Measurement of adjustment by psychometric pattern techniques; its need in the Selective Service program. Am. J. Orthopsychiat., 1942, 12: 435–8.—**Black, G. C.** The military aptitude test. Signal Corps Bull., 1936, 89: 55–9.—**Blasco Salas, E.** Sélection professionnelle de l'armée; recrutement psychotechnique. Arch. méd. belges, Bull. internat., 1934, 87: 126–8.—**Boéchat, J.** Examen des recrues et épreuves psychologiques. Praxis, Bern, 1944, 33: 312.—**Bues, H. W., & Harrell, T. W.** Psychometrics in the Army. Psychol. Bull., 1942, 39: 454 (Abstr.)—**Burt, C.** Validating tests for personnel selection. Brit. J. Psychol., 1943–44, 34: 1–19.—**Costedoat, A. L. D.** La sélection psychologique dans l'armée. Rev. Corps san. mil., Par., 1947, 3: 565–72.—**Davis, R. A.** Testing in the Army and Navy. J. Educ. Psychol., 1943, 34: 440–6.—**Filippini, A.** La valutazione psicologica del soldato. Policlinico, 1941, 48: sez. prat., 1247.—**Font, M. M.** Psychological techniques applied to Selective Service cases. Am. J. Orthopsychiat., 1943, 13: 130–7.—**Geeraerts.** Considérations sur le résultat éloigné des cas limites mis apte à l'essai. Ann. belg. méd. mil., 1949, 102: 1.—**Gorgas, W. C.** Psychological tests in the Army. School & Soc., 1918, 7: 106.—**Greenwood, E. D., Snider, H. L., & Senti, M. M.** A psychological testing program in an Army station hospital. Mil. Surgeon, 1944, 95: 489–95.—**Halstead, H.** An analysis of the Matrix (Progressive Matrices) Test results on 700 neurotic, military, subjects, and a comparison with the Shipley Vocabulary Test. J. Ment. Sc., Lond., 1943, 89: 202–15.—**Hayes, J. W.** Army trade tests and their practical application. Psychol. Bull., 1919, 16: 49.—**Holzberg, J. D.** Some uses of projective techniques in military clinical psychology. Bull. Menninger Clin., 1945, 9: 89–93.—**Hunt, W. A., Wittson, C. L., & Harris, H. I.** The screen test in military selection. Psychol. Rev., 1944, 51: 37–46.—**Kent, G. H.** Tentative norms for emergency battery. J. Psychol., Provincet., 1943, 15: 137–49.—**Lewinski, R. J.** Notes on the original and revised Kent scales in the examination of naval recruits. J. Educ. Psychol., 1944, 35: 554–8. ——— Discriminative value of the sub-tests of the Bellevue verbal scale in the examination of naval recruits. J. Gen. Psychol., 1944, 31: 95–9.—**Moreno, J. L.** The situation test in American-British military psychology vs German military psychology. Sociometry, 1949, 12: 344–53.—**Partington, J. E., & Bryant, T. R.** The personnel consultant and psychological testing at Armed Forces induction stations. Am. Psychologist, 1946, 1: 110–2.—**Péchoux.** De l'examen psychologique dans la sélection des cadres; ses méthodes, sa valeur pratique. Rev. Corps san. mil., Par., 1948, 4: 101–21.—**Psychological** examinations at the Army cantonments. School & Soc., 1917, 6: 494.—**Reid, W. G.** Drivers aptitude tests of the Third Armored Division. Mil. Surgeon, 1942, 91: 401–11.—**Revision** of Selective Service Occupational Bulletin No. 10. Psychol. Bull., 1943, 40: 219–21.—**Rohde, A. R.** A note regarding the use of the sentence completions test in military installations since the beginning of World War II. J. Consult. Psychol., 1948, 12: 190–3.—**Selection** tests and the optimum use of man power. Bull. Army M. Dir., Lond., 1941, 3.—**Wallen, R.** Some testing needs in military clinical psychology. Psychol. Bull., 1944, 41: 539–42.—**Wischner, G. J., Rotter, J. B., & Gillman, R. D.** Projective techniques. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 144–57.

—— Questionnaire.

Cornil, L., & Ollivier, H. Questionnaire médico-psychologique et psychiatrique pour la sélection psychiatrique des recrues militaires. Ann. méd. psychol., Par., 1947, 105: pt 2, 69–75.—**Hildreth, H. M., & Hill, J. M.** A neuropsychiatric questionnaire for group examining. U. S. Nav. M. Bull., 1945, 45: 895–902. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 59–62.—**Mira y López, E.** The psychiatric questionnaire for detecting potential neurotics; selection of new recruits. In his Psychiatry in War, N. Y., 1943, 66–9.

—— Rorschach test.

See under **Rorschach test.**

—— Screening.

Berezin, M. A. Experiences in neuropsychiatric screening of overseas replacements at an overseas replacement center. Am. J. Psychiat., 1944–45, 101: 336–42.—**Bloomberg, W.** Plan for screening, induction, and utilization of manpower. Am. J. Psychiat., 1948–49, 105: 462–5.—**Hanawalt, N. G., & Kidd, R. A.** Group psychiatric screening of military recruits. J. Consult. Psychol., 1949, 13: 371–4.—**Hildreth, H. M., Wheeler, J. A., jr, & Williams, S. B.** A psychometric procedure for screening mental defectives. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 56–8.—**Killinger, G. G., & Zubin, J.** Psychobiological screening procedures in the War Shipping Administration. Ann. N. York Acad. Sc., 1945, 46: 559–69.—**Markey, O. B., & Zisson, M. M.** A psychiatric screening aid for pre-combat troops. Am. J. Psychiat., 1946–47, 103: 377–80.—**Miles, D. W., Wi'kins, W. L.** [et al.] The efficiency of a high-speed screening procedure in detecting the neuropsychiatrically unfit at a U. S. Marine Corps recruit training depot. J. Psychol., Provincet., 1946, 21: 243–68.—**Moore, R. C.** Psychiatric screening tests at a precommissioning center. U. S. Nav. M. Bull., 1947, 47: 676–82. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 63–6.—**Reitzel, E. C., Miller, V. L., & Knox, G. W.** Neuropsychiatric screening of a million men. U. S. Nav. M. Bull., 1948, 48: 555–65. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 51–5.—**Rennie, T. A. C., & Woodward, L. E.** Psychiatric screening in the Armed Forces. In their Ment. Health, N. Y., 1948, 7–13.—**Solomon, H. C., Merritt, H. H., & Bloomberg, W.** Neuropsychiatric screening at the induction stations. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 19–26.

—— Selectee index.

Mittelmann, B. The Cornell Selectee Index: short form to be used at induction, at reception and during hospitalization. Proc. Brief Psychother. Counc., 1944, 2. Counc., **1**: 29–32.—**Warner, N., & Gallico, M. W.** Cornell Service Index; report on its use in the evaluation of psychiatric problems in a naval hospital. War Med., Chic., 1945, **7**: 214–7.—**Weider, A., Brodman, K.** [et al.] Cornell Service Index; a method for quickly assaying personality and psychosomatic disturbances in men in the Armed Forces. Ibid., 209–13.—**Weider, A., Mittelmann, B.** [et al.] The Cornell Selectee Index; a method for quick testing of selectees for the Armed Forces. J. Am. M. Ass., 1944, **124**: 224–8. ——— The Cornell Service Index; a method for the assay of neuropsychiatric and psychosomatic disturbances in patients in military hospitals. Tr. Am. Neur. Ass., 1944, **70**: 92–5.—**Weinstock, H. I., & Watson, R. I.** The usefulness of the Cornell Selectee Index at the neuropsychiatric unit of a naval training center. U. S. Nav. M. Bull., 1946, **46**: 1583–8.—**Wolff, H. G., Weider, A.** [et al.] The selectee index; a method for quick testing of selectees for the Armed Forces. Tr. Am. Neur. Ass., 1943, **69**: 126–9.

—— Selective criteria.

Coleman, J. V. Prognostic criteria in soldiers with psychiatric problems. J. Mil. M. Pacific, 1945, **1**: No. 4, 32–5.—**Giani, P., Perrando, G., & Morselli, A.** Sul utilizzazione nell'esercito di individui affetti da malattie nervose e mentali. Q. med. leg., Milano, 1918, **2**: 266; 273.—**Kopetzky, S. J.** Validity of psychiatric criteria for rejection for service with the Armed Forces; study of the cases of 696 registrants with psychiatric diagnoses from the New York City selective service area. War Med., Chic., 1944, **6**: 357–68.—**S., H. S.** Psychiatric selection. Psychiatry, Balt., 1942, **5**: 102–5.—**Wittson, C. L., Harris, H. I.** [et al.] The neuropsychiatric selection of recruits. Am. J. Psychiat., 1942–43, **99**: 639–50.

—— Veterans.

Hamill, R. C. The veterans facilities administration's neuropsychiatric examination. Dis. Nerv. Syst., 1943, **4**: 86–9.—**Matz, P. B.** Further incidence of nervous and mental disease among ex-service men. Am. J. Psychiat., 1929–30, **9**: 1043–60.

—— by countries.

Pico Navarro, R. El examen neuropsiquiátrico en el reclutamiento militar. Rev. san. mil., B. Air., 1946, **45**: 106–11.

—— by countries: Australia.

Butler, A. G. The psychiatric examination of recruits. Med. J. Australia, 1941, **2**: 578.—**Maddox, K.** The psychiatric examination of recruits. Ibid., 493.—**Psychiatric** (The) examination of recruits. Ibid., 89.—**Youngman, N. V.** The psychiatric examination of recruits. Ibid., 1942, **1**: 283–7.

—— by countries: Brazil.

Abreu, F. de. A seleção mental do combatente. Rev. méd. cir. Brasil, 1944, **52**: 309–27.—**Almeida Amaral, M. de.** Seleção psicotécnica do pessoal militar; início; evolução; tendências actuais. Arq. brasil. med. nav., 1949, **10**: 1699–723, ch.—**Lentino, P.** Seleção psicológica e psiquiátrica dos conscritos. Impr. med., Rio, 1945–46, **21**: No. 380, 77–83.—**Pacheco e Silva, A. C.** Exame psiquiátrico; serviços seletivos; classificação dos recrutas; métodos psicológicos experimentais; testes individuais e coletivos. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 35–45.

—— by countries: Canada.

Gliddon, W. O. Post discharge problems in the neuropsychiatric group; an analysis of 500 recent discharges. J. Canad. M. Serv., 1944–45, **2**: 696–706.

—— by countries: France.

Cornil, L., & Ollivier, H. L'examen psychologique et psychiatrique des contingents militaires. Ann. méd. psychol., Par., 1947, **105**: pt 2, 67–9.—**Duran, Péchoux & Memim.** Engagement dans l'armée et internement antérieur; nécessité d'une sélection psychique des engagés volontaires. Bull. Soc. méd. mil. fr., 1949, **43**: 85.—**Girard.** Réflexions au sujet de l'observation médico-psychique d'un E. O. R. Ibid., 44.—**Ollivier, H.** Quelques aspects de la sélection psychiatrique dans l'armée. Ann. méd. psychol., Par., 1947, **105**: 399–401.

—— by countries: Germany.

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 26: Richtlinien für die psychologischen Prüfstellen der Wehrmacht und für das Psychologische Laboratorium des Reichskriegsministeriums vom 12. August 1936. 133p. 21cm. Berl., 1937.

SIMONEIT, M. Leitgedanken über die psychologische Untersuchung des Offizier-Nachwuchses in der Wehrmacht. 29p. 23 l. 2cm. Berl., 1938.

Forms No. 6, Wehrpsychol. Arb.

Psychological testing in the German Army; abstract of unpublished memorandum obtained through private sources. Bull. War M., Lond., 1941–42, **2**: 149.

—— by countries: Great Britain.

Measuring up the misfits. Lancet, Lond., 1941, **1**: 633.—**Medical** notes in Parliament; mental health of recruits. Brit. M. J., 1940, **2**: 617.—**Psychiatric** recommendations w. r. t. disposal of intakes and disposal at Army selection centres. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 229–34, 7 tab.—**Tests** (Les) d'aptitude dans l'armée anglaise. Praxis, Bern, 1942, **31**: 691.—**Vernon, P. E.** Psychological tests in the Royal Navy, Army and A. T. S. Occup. Psychol., Lond., 1947, **21**: 53–74.

—— by countries: Japan.

Awazi, Y. Intelligenzprüfung im japanischen Heere. Zschr. angew. Psychol., 1928, **30**: 81–118.

—— by countries: Mexico.

Alcazar, H. Medios prácticos aplicables al soldado mexicano para el estudio psicométrico y de aptitudes. Mem. Convenc., méd. mil. mex., 1936, 91–5.—**Pico Navarro, R.** El examen neuropsiquiátrico en el reclutamiento militar. Sugestiones, Méx., 1943–45, **9**: No. 115, 137–45.—**Ramírez Moreno, S.** La selección de los individuos para el servicio militar desde el punto de vista neuropsiquiátrico. Rev. mex. psiquiat., 1942, **9**: No. 51, 5.

—— by countries: Russia.

Dekhterev, V. [Peculiarities in examination and treatment of veterans with nervous diseases] Russ. klin., 1927, **7**: 906–12.—**Krassnov, D. A.** [Problem of elimination from the Army of subjects with organic affections of the nervous system and mental deficiency] Sovet. vrach. gaz., 1934, **38**: 1272–6.—**Maslov, E. V., Strelukhin, A. K.** [et al.] [From experience of the military examination in a psychiatric hospital] Nevropat. psikhiat., 1944, **13**: No. 5, 56–9.—**Sofronov, M. F.** [Psychoneurological rejection of recruits in Russia] Sovet. psikhonevr., 1952, **8**: 15–7.—**Solovjev, V.** [Methods of psychophysiological examinations in the Red Army] Voen. san. delo, 1929, 101–7.—**Timofeev, N. N.** [Problems of military psychiatric examination] Ibid., 1943, No. 8, 45–7.—**Vecner, A.** O nekotorykh nevrologićeskikh simptomakh u lic prizyvnogo vozrasta. Ibid., 1935, No. 2, 31–5.

—— by countries: Spain.

García M. Corcín, A. Capacidad mental del recluta. Rev. españ. med. cir. guerra, 1945, **7**: 78–85.—**Psicotecnia** aplicada a las selecciones militares. Psicotecnia, Madr., 1941–42, **3**: 621–9.

—— by countries: United States.

Bloomberg, W., & Hyde, R. W. A survey of neuropsychiatric work at the Boston Induction Station. Am. J. Psychiat., 1942–43, **99**: 23–8. Also J. Nerv. Ment. Dis., 1942, **96**: Disc., 195–7. Also Collect. Papers Dep. Neuropath. Harvard M. School, 1944, **13**: No. 6, 23–8.—**Campbell, C. M.** Selective Service and psychiatric issues. J. Am. M. Ass., 1941, **116**: 1883–7.—**Examen** neuro-psychiatrique des recrues en Amérique. Praxis, Bern, 1941, **30**: 685–7.—**Frankel, E.** Neuropsychiatric screening of Selective Service registrants in New Jersey. J. M. Soc. N. Jersey, 1945, **42**: 268–73.—**Furlong, H. A., Hilpert, M. E., & Greve, C. H.** Mental disorders as cause of rejection in Michigan registrants; a study of 340 cases. J. Michigan M. Soc., 1942, **41**: 123–9.—**Grossman, S. S.** The psychiatric screening process for selectees; some observations made at U. S. Armed Forces Induction Station, Kalamazoo, Michigan. Ment. Hyg., Alb., 1944, **28**: 224–42.—**Hadley, E. E.** Military psychiatry; an ecological note. Psychiatry, Balt., 1944, **7**: 379–407. ——— **Evans, A. B.** [et al.] An experiment in military selection. Ibid., 1942, **5**: 371–401.—**Harris, H. I.** The Newport neuropsychiatric selection program. Bull. New England M. Center, 1943, **5**: 49–51.—**Jenkins, R. L., Schroeder, P.** [et al.] Selection for the Armed Forces. Am. J. Psychiat., 1943–44, **100**: 281.—**King, H. N.** Selection of registrants in the light of World War experience. Med. Bull. Veterans Admin., 1940–41, **17**: 387–9.—**Medical** Advisory Board psychiatrists' report; Form 206 and instructions. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 54–6.—**Menninger, W. C.** Choosing the soldier. In his Psychiat. in a Troubled World, N. Y., 1948, 266–92.—**Perkins, O. C.** Analysis of neuropsychiatric rejectees from the State of Tennessee. Dis. Nerv. Syst., 1946, **7**: 9–18.—**Report** of Committee on Clinical Methods and Standardization of Examinations to the psychiatrists and neurologists assigned to special duty in the military camps of the United States Government. Boston M. & S. J., 1917, **177**:

233–6.—**Waggoner, R. W., Menninger, W. C., & Braceland, F. J.** Psychiatric selection of men for the Armed Forces. J. Am. M. Ass., 1944, **126**: 221–5.

—— by countries: United States—Air Force.

See also subheadings of **Aviator** (Neuropsychiatry; Physical standards; Psychological examination; Psychophysical test; Selection)

Ramsey, G. V. Psychological screening at an AAF convalescent center. J. Clin. Psychol., 1945, **1**: 309–17.

—— by countries: United States—Army.

Anderson, J. E. Psychological tests in the National Army. J. Nerv. Ment. Dis., 1918, **47**: 223.—**Fernald, M. R.** Results and values of psychological examining in the United States Army. Psychol. Bull., 1919, **16**: 44.—**Grotjahn, M.** Two observations concerning the psychiatric examination in the Induction Center of the United States Army. Dis. Nerv. Syst., 1943, **4**: 85.—**Kaplan, L. A.** The U. S. Army Induction Station neuropsychiatric examination. Ibid., 74–7.—**Kiene, H. E., Hassell, A. S., & Miller, H.** Neuro-psychiatric examination at the Rhode Island Army Induction Station. Am. J Psychiat., 1941–42, **98**: 509–14.—**Leavitt, H. C.** Neuropsychiatric appraisal in an Induction Station. Bull. U. S. Army M. Dep., 1947, **7**: 125–43.—**Lenz, F.** Die Ergebnisse der Intelligenzprüfungen im amerikanischen Heer. Arch. Rassenb., 1925–26, **17**: 401–11.—**McPhree, J. J.** The value of the nervous and mental examination in the Army. Med. Rec., N. Y., 1918, **94**: 349.—**Neuropsychiatric** examination of applicants for voluntary enlistment and selectees for induction [Circular Letter No. 19, Surgeon General U. S. Army] J. Am. M. Ass., 1941, **116**: 2509–11.—**Neuropsychiatric** rejections of selectees at induction stations, April–June 1943, November–December 1943 and March–May 1945. Rep. Induct. Data U. S. Army M. Statist. Div., 1945, No. 20, 1–45, 8 tab.—**Nussbaum, K.** Correlation of some psychiatric problems encountered at induction centers and in Army hospitals. Psychiat. Q., 1944, **18**: 225–32.—**Pooler, H. A.** Neuropsychiatric problems at an Armed Forces Induction Station. Psychiat. Q. Suppl., 1944, **18**: 21–32.—**Rosenberg, S. J., & Lambert, R. H.** Analysis of certain factors in histories of 200 soldiers discharged from the Army for neuropsychiatric disabilities. Am. J. Psychiat., 1942–43, **99**: 164–7.—**Treman, L. M.** Methods of testing intelligence in the United States Army. Psychol. Bull., 1919, **16**: 56.—**Von Storch, T. J. C., & Pratt, G. O.** Neuropsychiatric examination for induction or enlistment in the Army. Mil. Surgeon, 1941, **88**: 627–33. ——— [et al.] Observations and suggestions concerning neuropsychiatric examinations for the Army of the United States. N. England J. M., 1941, **224**: 890–7.

—— by countries: United States—Navy and Marine.

[Minnesota] University of Minnesota. Department of Psychology. Technical report. Project N6ori–212, Task Order III. Minneap., No. 2, 1949–

Hunt, W. A. Psychology in the selection of recruits at the U. S. Naval Training Station, Newport, Rhode Island. Psychol. Bull., 1943, **40**: 598–600. ——— **Wittson, C. L.** [et al.] Psychometric procedures in the detection of the neuropsychiatrically unfit. U. S. Nav. M. Bull., 1943, **41**: 471–80.—**Louttit, C. M.** Psychological examining in the United States Navy; an historical summary. Psychol. Bull., 1942, **39**: 227–39. ——— History of psychological examining in the United States Navy. U. S. Nav. M. Bull., 1942, **40**: 663.—**Miles, D. W., & Wilkins. W. L.** Psychological examining of recruits for the U. S. Marine Corps. Psychol. Bull., 1942, **39**: 437 (Abstr.)—**Southworth, F. C.,** jr. Neuropsychiatric screening at a Naval training station. J. Omaha Clin. Soc., 1944, **5**: 9–13.—**Stearns, A. W.** The detection of the psychopath and the classification of naval recruits in accordance with their intelligence. U. S. Nav. M. Bull., 1924, **20**: 149–69.—**Stein, C.** Neuropsychiatry in the United States Navy; the 5-minute neuropsychiatric examination. Ibid., 1943, **41**: 142–55.—**Wittson, C. L., Harris, H. I.** [et al.] Neuropsychiatric examination of recruits at the United States Naval Training Station, Newport, R. I. War Med., Chic., 1942, **2**: 944–51.—**Wittson, C. L., & Hunt, W. A.** Psychiatric selection at the precommissioning level. U. S. Nav. M. Bull., 1945, **45**: 621–7. ——— & **Harris, H. I.** Detection of the neuropsychiatrically unfit. Ibid., 1942, **40**: 340–6.

NEUROPSYCHIATRIC School.

See under **School.**

NEUROPSYCHIATRIST.

See also **Psychiatrist.** For neuropsychiatrist of division see also under **Division.**

Bailey, P. Neurologists and psychiatrists for the medical department. Boston M. & S. J., 1918, **178**: 517.—**Briggs, L. V.** A plea for more psychiatrists and neurologists for war service. Proc. Alien. Neur. America, 1917, **6**: 31.—**Kelly, F. W.** The military neuropsychiatrist. Mil. Surgeon, 1946, **98**: 337–40.—**Special** training in neuropsychiatry. Bull. U. S. Army M. Dep., 1946, **6**: 216–8.

—— Duties and functions.

See also under **Division; Law.**

Kahn, S. The neuropsychiatrist in Army examinations. Med. Rec., N. Y., 1942, **155**: 371–3.—**Kozol, H. L.** The neuropsychiatrist in court. Arch. Neur. Psychiat., Chic., 1944, **52**: 155.—**Porter, W. C.** The functions of a neuropsychiatrist in an Army general hospital. Psychiatry, Balt., 1942, **5**: 321–9. ——— Organization of the Medical Department; duties of medical-officer neuropsychiatrists. In: Man. Mil. Neuropsychiat. (Solomon, H. C. & Yakovlev, P. I.) Phila., 1944, 66–71.—**Rosner, A. A.** The neuropsychiatrist and convalescent training program of Army Air Forces. Bull. U. S. Army M. Dep., 1944, No. 78, 93–7.—**Steckel, H. A.** The duties of a consultant on neuro-psychiatry on the staff of Chief Surgeon, G. H. Q. Mil. Surgeon, 1936, **78**: 119–23.

NEUROPSYCHIATRY.

See also **Aviator,** Neuropsychiatry; **Neurology; Neurosurgery; Psychiatry; Psychopathology;** also such terms as **Neurosis; Neurosis center; Psychology; War neurosis; War psychosis.**

Adams, E. H. Certain neuropsychiatric aspects of medicine in the emergency. N. York State J. M., 1943, **43**: 739–45.—**Benon, R.** Neuro-psychiatrie; guide-barême militaire. Bull. méd., Par., 1932, **46**: 299.—**Costa, J.** Neuropsychiatric nursing. Mil. Surgeon, 1949, **104**: 445.—**Furtado, D.** O neuro-psiquiatra militar; sua acção em tempos de paz e de guerra. Bol. Dir. serv. saúde mil., 1942, **5**: 93–102.—**Hughes, J. D.** Neuropsychiatric aspects of war medicine. Memphis M. J., 1946, **21**: 149–51.—**Hunt, W. A.** Follow-through in neuropsychiatry. Research Rev. (U. S. Navy) 1948, Oct., 23.—**Lorenz, W. F.** Neuro-psychiatry in military medicine. Rapp. Congr. internat. méd. pharm. mil., 6. Congr., 1931, **1**: 172–98.—**McCartney, J. L.** Tropical neuropsychiatry. War Med., Chic., 1943, **3**: 351–66.—**Raezer, O. E.** Military neuropsychiatry. In: Cyclop. Med. (Piersol-Bortz) Phila., 1943, Serv. Vol., 461–5.—**Solomon, H. C., & Bloomberg, W.** Military neuropsychiatry. Tr. Am. Neur. Ass., 1943, **69**: 73–9.—**Strecker, E. A.** Military neuropsychiatry. Pennsylvania M. J., 1941–42, **45**: 298. ——— Neuropsychiatry. Proc. Am. Philos. Soc., 1944–45, **88**: 204–7.—**Wigton, R. S.** What is NP? Hosp. Corps Q., 1945, **18**: No. 9, 6–10.—**Wortis, S. B.** Some aspects of military neuropsychiatry. Tr. N. York Acad. Sc., 1944–45, **7**: 167–70.

—— Aviation aspect.

See also **Aviator,** Neuropsychiatry.

Ironside, R. N., & Batchelor, I. R. C. Aviation neuro-psychiatry. 167p. 22cm. Edinb., 1945.

United States. War Department. Technical manual TM 8–325: Outline of neuropsychiatry in aviation medicine. 172p. 23cm. Wash., 1940.

Stubenbord, J. G., III. Neuropsychiatry as an integral part of aviation medicine. J. Aviat. M., 1945, **16**: 432–41.—**Virgili, R.** Commenti e considerazioni su un lavoro di Walsh, M. N., Newer aspects of aviation neuropsychiatry. Riv. med. aeronaut., 1948, **11**: 254–6.—**Walsh, M. N.** Newer aspects of aviation neuropsychiatry. Mil. Surgeon, 1948, **102**: 33–41.

—— Bibliography.

Abstract service on military neuropsychiatry. War Med., Chic., 1942, **2**: 142.—**Fenton, N.** A bibliography of American contributions to war neuropsychiatry. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 477–87.

—— Congress.

[United States] Association for Research in Nervous and Mental Disease. Military neuropsychiatry. 366p. 23½cm. Balt., 1946. Forms v. 25, Res. Pub. Ass. Res. Nerv. Ment. Dis.

United States. Neuropsychiatric Conference of the Sixth Service Command [1945] Proceedings. 229p. 27cm. Chic., 1945.

[**Regional** scientific conference on war psychoneurology] Nevropat. psikhiat., 1942, **11**: No. 6, 77–80.

—— Experiences.

See also under various headings of **World War I; World War II.**

Ansanelli, F. C. Sketches of neuropsychiatry in war and peace. J. Nerv. Ment. Dis., 1946, **104**: 533–41.—**Bianchi, V.**

Neuropsichiatria di guerra. Ann. nevr., Nap., 1917, **34**: 21–38, pl.—**Brussel, J. A.** Military neuropsychiatry; the next time. Psychiat. Q., 1946, **20**: 610–26.—**Caldas, M.** Relatório neuropsiquiátrico. Rev. méd. cir. Brasil, 1945, **53**: 319–29.—**Carlson, W. A.** Follow-up study of 1749 neuropsychiatric cases which appeared before the 1st C. M. E. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 3.—**Padovani, G.** Esperienze e considerazioni neuropsichiatriche di guerra e di prigionia. Rass. stud. psichiat., 1948, **37**: 168–201. tab.—**Viets, H. R.** Neuropsychiatric experiences of the foreign armies as reflected in the current literature. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 647–63.—**Weiler, K.** Was lehrten uns die Erfahrungen des grossen Krieges auf psychiatrisch-neurologischem Gebiete? Arch. orthop. Unfallchir., 1935–36, **36**: 409–15.

—— Hospitals.

See also **Neurology,** Hospitals; Psychiatric hospital.

Barker, P. P. The role of the neuropsychiatric service in a general hospital. U. S. Veterans Bur. M. Bull., 1930, **6**: 210–4.—**Boening, H.** Psychiatrisch-neurologische Erfahrungen im Reservelazarett. Med. Klin., Berl., 1940, **36**: 725.—**Collins, R. T.** Neuropsychiatry in an overseas evacuation hospital. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 147–55.—**Haldane, F. P., & Rowley, J. L.** Psychiatry at the Corps exhaustion centre: technique of rapid psychiatric assessment. Lancet. Lond., 1946, 2: 599–601.—**Harris, R. L., Wharton, R. S., & Slocum, Y. K.** Evacuation of a large neuropsychiatric unit. Med. Bull. Veterans Admin., 1942–43, **19**: 32–6.—**Kindred, J. J.** The neuro-psychiatric and disabled wards of the United States Government; the present status of their Medical care, hospitalization, rehabilitation, and compensation disability. Am. J. Psychiat., 1926–27, **6**: 711–24.—**Medea, E.** L'istituto pei grandi invalidi nervosi di guerra. Illust. med. ital., 1919, **1**: 13.—**Stanley, W. L.** Disciplinary NP ward. Hosp. Corps Q., 1945, **18**: No. 9, 33.—**Swift, H. M.** Neurologic and psychiatric work at Savenay. Arch. Neur. Psychiat., Chic., 1920, **3**: 213–5.—**Wagner.** Ueberblick über die in der Heil- und Pflegeanstalt Giessen behandelten nerven-und geisteskranken Soldaten. Münch. med. Wschr., 1916, **63**: 548–50.

—— Instruction.

See also under **School.**

United States. Army. Medical Field Service School. Program of instruction for officers' basic course in military neuropsychiatry. Fort Sam Houston, 1947–

Neuropsychiatry for the general medical officer. Bull. U. S. Army M. Dep., 1945, **4**: 341–3. Also Ment. Hyg., Alb., 1945, **29**: 622–43.—**Pommé, B.** L'enseignement de la neuro-psychiatrie et du service de santé militaire au Val-de-Grâce. Progr. méd., Par., 1936, 1073–87.

—— Manual.

See also **Psychiatry,** Manual; also **Psychosomatic medicine.**

Alexander, L. German military neuropsychiatry and neurosurgery. 138p. 25cm. Lond., 1945.

Forms No. XXVIII–49, Item 24, CIOS Rep., Lond.

Friedländer, A. A. Nerven- und Geisteskrankheiten im Felde und im Lazarett. 39p. 8° Wiesbaden, 1914.

Hanes, E. L. The minds and nerves of soldiers. 221p. 24cm. Pasadena, Calif., 1941.

Jensen, W. S. Outline of neuropsychiatry. 174p. 26cm. Randolph Field, 1937.

Schelven, T. van. Oorlogs-neurologie; crvaringen over verwondingen van het zenuwgestel en over neurosen. 166p. 24cm. Amst., 1917.

Solomon, H. C., & Yakovlev, P. I. Manual of military neuropsychiatry. 764p. 20½cm. Phila., 1944.

United States. War Department. Technical bulletin TB MED 94: Neuropsychiatry for general medical officer. 12p. 26cm. Wash., 1944.

Waltham, Mass. Metropolitan State Hospital. Collected lectures of the 7. Postgraduate seminar in neurology and psychiatry including a review course in military neuropsychiatry, Oct. 3, 1941–April 10, 1942: First semester: Military neuropsychiatry: Second semester: General psychiatry. 2v. 250p.; 309p. 21½cm. Waltham, 1942.

—— naval.

See also **Neuropsychiatric examination**—by countries: United States: Navy and Marine.

Hesnard. La neuropsychiatrie dans la marine. Arch. méd. pharm. nav., 1910, **93**: 35; 81.

—— Problems.

Burack, S. Problems of military neuropsychiatry. J. Nerv. Ment. Dis., 1946, **104**: 284–95.—**Caldwell, J. M.,** jr. Current developments and problems in military neuropsychiatry. Am. J. Psychiat., 1948–49, **105**: 561–6.—**Fuentes, M.** Tópicos neuropsiquiátricos. Arch. neur. psiq. México, 1945, **8**: 67–72.

—— Progress.

Bleckwenn, W. J. What World War II has done for neuropsychiatry. Wisconsin M. J., 1947, **46**: 607–11.—**Current** trends in military neuropsychiatry. Bull. U. S. Army M. Dep., 1944, No. 78, 44–50. —**Farrell, M. J.** Developments in military neuropsychiatry. J. Iowa M. Soc., 1944, **34**: 387–91. ——— & **Appel, J. W.** Current trends in military neuropsychiatry. Am. J. Psychiat., 1944–45, **101**: 12–9.—**Michael, N.** What lessons have we learned in military neuropsychiatry that have application for civilian life? Ohio M. J., 1946, **42**: 497.

—— Service organization.

See also **Neuropsychiatric examination,** Organization.

Brussel, J. A. Hospital ship neuropsychiatry. Psychiat. Q. Suppl., 1946, **20**: 65–72.—**Gioscia, N., & Michaels, J. J.** Neuropsychiatric outpatient department. Bull. U. S. Army M. Dep., 1944, No. 83, 100–3.—**Menninger, W. C.** Relationships of neuropsychiatry to general medicine and surgery in the Army. Mil. Surgeon, 1945, **96**: 134–8.—**Thompson, L. J.** Neuropsychiatric services in the E. T. O. J. Nerv. Ment. Dis., 1947, **105**: 304–7.

—— Veterans.

See also **Veteran** subheadings (Problems; Psychology) also such terms as **Repatriation,** etc.

Bonner, C. A., & Maletz, L. One year's experience of a veterans' neuropsychiatric clinic. Dis. Nerv. Syst., 1945, **6**: 155–9.—**Coon, G. P., & Roy, J. E.** Clinical impressions of psychiatric problems presented by veterans. Ibid., 143–8.—**Crossman, E. O., & Myers, G. E.** The neuropsychiatric problem in the U. S. Veterans' Bureau. J. Am. M. Ass., 1930, **94**: 473–8.—**Dunn, F. E.** Psychiatric problems of the returning veteran. J. Am. Osteopath. Ass., 1944–45, **44**: 501.—**Hawley, P. R.** Neuropsychiatric problems of the Veterans' Administration. Mil. Surgeon, 1946, **99**: 759–62.—**Masserman, J. H.** Some practical aspects of a Veterans Administration residency training program. Q. Bull. Northwest. Univ. M. School, 1949, **23**: 487–9.—**Moore, G. S.** Introduction to a study of neuropsychiatric problems among Negroes. U. S. Veterans Bur. M. Bull., 1927, **3**: 887–97.—**Yaskin, J. C.** Neuropsychiatric problems in the veteran and his family. J. M. Soc. N. Jersey, 1946, **43**: 310–4.—**Zeltzerman, I.** Service for the veteran at the Neuropsychiatric Hospital, Togus, Maine. J. Maine M. Ass., 1949, **40**: 126.

—— by countries.

Ballard, S. I., & Miller, H. G. Neuropsychiatry at a Royal Air Force centre; an analysis of 2,000 cases. Brit. M. J., 1944, **2**: 40–3.—**Gobert.** La situation des malades nerveux et mentaux à l'Armée belge; la méthode statistique au service de la neuropsychiatrie militaire. Bruxelles méd., 1930–31, **11**: 13–6. ——— Les applications du laboratoire à la clinique en neuropsychiatrie militaire à l'Armée belge. Laborat. clin., Rio, 1934, **14**: 5–18.—**Malinowski, A.** Sprawozdanie z działalności i ruchu chorych oddziału chorób nerwowych i psychicznych Szpitala Wojskowego na Antokolu w Wilnie, za okres pięcioletni; od dnia 1. I. 1922 do 1. I. 1927 r. Lek. wojsk., 1927, **10**: 408; passim.—**Sarteschi, U.** L'Ospedale neuropsichiatrico di Volterra durante il periodo bellico. Neopsichiatria, Pisa, 1943–46, **9**:–**12**: 1–10.—**Stefani, S.** Il reparto neuropsichiatrico nell'Ospedale del Celio in Roma. Policlinico, 1944, **51**: sez. prat., 93–7.

—— by countries: Canada.

Burton, G. S. Report of No. 1 Canadian Neuropsychiatric Wing, R. C. A. M. C., B. L. A. Canad. M. Ass. J., 1945, **52**: 278–80. ——— Report on No. 1 Canadian Neuropsychiatric Wing. J. Canad. M. Serv., 1944–45, **2**: 530–3.—**Farrar, C. B.** The Neuropsychiatric Service of the Department of Soldiers' Civil Re-Establishment, Canada. Am. J. Psychiat., 1922–23, **2**: 665–82, 3 ch.—**Van Nostrand, F. H.** Three years of neuropsychiatry in the Canadian Army (overseas) Canad. M. Ass. J., 1943. **49**: 295; passim. ——— Handling of neuropsychiatric cases in the Canadian Army. In: Interallied Conf. War Med. (1942–45) 1947, 515–9.

—— by countries: France.

Briand, M. Projet de création d'un service de neuro-psychiatrie militaire. Arch. méd. pharm. mil., 1924, **80**: 505.—**Cruchet, R.** De l'installation aux armées des centres neuro-psychiatriques. Ibid., 1917, **67**: 522–5.—**Fribourg-Blanc, A. J.** L'organisation et le fonctionnement du service de neuro-psychiatrie en temps de guerre. Rev. Serv. san. mil., Par., 1940, **112**: 183–96.—**Hesnard, A.** La neuropsychiatrie dans la marine française. Progr. méd., Par., 1935, 988.—**Roussy, G., & Boisseau, J.** Un centre de neurologie et de psychiatrie d'armée. Paris méd., 1916, **6**: 14–20.

—— by countries: Germany.

GERMANY. BERATENDER PSYCHIATER BEIM HEERES-SANITÄTSINSPEKTEUR. Sammelbericht. No. 1–2, 4–10. 9 nos. 30cm. Berl., 1942–44.

Alexander, L. Regulations, memoranda, circular letters and reports governing neuropsychiatric practice in the German Army. CIOS Rep., Lond., 1945, Item 24, No. XXVIII–49, 3–45.

—— by countries: Japan.

AYRES, P. B., ARIOLI, P. E. [et al.] Neuropsychiatry in the Japanese Armed Forces. 23p. 25½cm. [n. p.] 1945.

Forms No. M–D, Med. Targets.

Newell, T. E. Neuropsychiatry in the Japanese Army; interview at the Japanese prison camp, Blue Beach, Cape Gloucester, New Britain, with Dr Otsuko Hideo. J. Am. M. Ass., 1944, **126**: 373.

—— by countries: Russia.

Blumenau, L. V. [Organization of medical aid to neurotic soldiers at the front] Psikhiat. gaz., Petrogr., 1915, **2**: 5.—**Ezersky, J. M.** [Organization of neuropsychiatric service at the front] Nevropat. psikhiat., 1943, **12**: No. 5, 52.—**Janishevsky.** [Organization of neuropsychiatric service in the combat zone] Ibid., 55.—**Timofeev, N.** Nevro-psikhiatriéeskaja pomoŝć. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1274–6.—**Velvovsky, I. Z., & Karcovnik, I. I.** O racionalom postroenii psikhonevrologiéeskoj pomoŝći v uslovijakh raboty tylovykh hospitalej. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 26–31.—**Voloshin, G. I.** [The work of the neuropsychiatric department of front-line evacuation hospitals] Nevropat. psikhiat., 1943, **12**: No. 5, 54.—**Vyrubov, N. A.** [Necessity for constructing hospitals for soldiers, suffering from psychoneuroses] Psikhiat. gaz., Petrogr., 1916, **3**: 194.

—— by countries: United States—Army.

Army's development of neuropsychiatric branch commended. Diplomate, 1943, **15**: 214.—**Berlien, I. C.** Neuropsychiatry in Armed Forces induction stations, rehabilitation centers, and combat divisions. Bull. Menninger Clin., 1944, **8**: 146–9.—**Brussel, J. A.** Fact, functional or fake; the neuropsychiatric problem of the Army. J. M. Soc. N. Jersey, 1942, **39**: 442–5.—**Caldwell, J. M.** The present status of neuropsychiatry in the Army. Mil. Surgeon, 1948, **102**: 479–82.—**Fong, T. C. C.** Neuropsychiatric activities at Darnall General Hospital. Ibid., 365–73.—**Furtado, D.** A assistência neuropsiquiátrica no Exército dos Estados Unidos. Bol. Dir. serv. saúde mil., 1944, **6**: 85–97, 2 ch.—**Ginzberg, E.** Logistics of the neuropsychiatric problem of the Army. Am. J. Psychiat., 1945–46, **102**: 728–31.—**Halloran, R. D.** Problems of neuropsychiatry in the United States Army. Med. Ann. District of Columbia, 1944, **13**: 17–23. ——— & **Farrell, M. J.** The function of neuropsychiatry in the Army. Tr. Am. Neur. Ass., 1943, **69**: 61–7. Also Am. J. Psychiat., 1943–44, **100**: 14–20.—**Holzberg, J. D., Teicher, A., & Taylor, J. L.** Contributions of clinical psychology to military neuropsychiatry in an Army psychiatry hospital. J. Clin. Psychol., 1947, **3**: 84–95.—**Hutt, M. L., Menninger, W. C., & O'Keefe, D. E.** The neuropsychiatric team in the United States Army. Ment. Hyg., Alb., 1947, **31**: 103–19.—**Menninger, W. C.** Administrative aspects of neuropsychiatry in the Army. Bull. Menninger Clin., 1944, **8**: 129–32. ——— Neuropsychiatry in the Office of the Surgeon General. In his Psychiat. in a Troubled World, N. Y., 1948, 241–55.—**Michaels, J. J.** Morale on a neuropsychiatric service in an Army general hospital; its relationship to the therapy of the psychoses. J. Nerv. Ment. Dis., 1947, **106**: 165–75.—**Morrow, J. L.** Treatment in an Army neuropsychiatric hospital. Mil. Surgeon, 1945, **97**: 388–94.—**Neuropsychiatry** in tbe Army. J. Am. M. Ass., 1943, **121**: 1154.—**Observations** in a regional hospital neuropsychiatric section. Bull. U. S. Army M. Dep., 1946, **6**: 402–8.—**Ryan, F. J.** A neuropsychiatric reconditioning program in the peacetime Army. Mil. Surgeon, 1949, **105**: 149–53.—**Salmon, T. W.** Neurology and psychiatry in the Army. J. Nerv. Ment. Dis., 1918, **47**: 212. Also N. York M. J., 1918, **107**: 764.—**Saxe, E.** Neuropsychiatric problems in an Army general hospital. Arch. Neur. Psycbiat., Cbic., 1942, **48**: 684–7.—**Senerchia, F. F.** The neuropsychiatric service of the Percy Jones Convalescent Hospital. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 57–65.—**Wessel, M. A.** Neuropsycbiatry in an Army hospital. Am. J. Nurs., 1947, **47**: 164–8.

—— by countries: United States—Navy.

Braceland, F. J. Hospital corpsmen on the NP ward. Hosp. Corps Q., 1945, **18**: No. 9, 3–5.—**Brady, J. P., & Heldreth, H. M.** Characteristics of a disciplinary group in a Naval hospital. U. S. Nav. M. Bull., 1945, **45**: 500–5.—**Dillenberg, S. M., & Locke, B.** Neuropsychiatric clinic at a Naval construction training center. Ibid., 1943, **41**: 1076–82.—**Laning, R. H.** Philadelphia and psychiatry, 1944, United States Naval Hospital, Philadelphia; the special course in neuropsycbiatry for medical officers of the Navy. Am. J. Psychiat., 1943–44, **100**: 706.—**McDaniel, F. L.** Neuropsychiatric service, U. S. S. Relief—an analysis of one year's work. U. S. Nav. M. Bull., 1936, **34**: 27–32.—**Southworth, F. C., Boshes, L. D.** [et al.] Neuropsychiatry at the Great Lakes Training Station; general aspects; special aspects. Arch. Neur. Psycbiat., Cbic., 1944, **52**: 546.—**Southworth, F. C.,** jr, **Boshes, L. D., & Lewinski, R. J.** Neuropsychiatry at the Great Lakes Naval Training Center. Dis. Nerv. Syst., 1945, **6**: 5–17.

—— in war.

Blakeslee, G. A. Neuropsychiatry in war time. Bull. N. York Acad. M., 1942, **18**: 775–93.—**Boshes, B.** Neuropsychiatric problems of the present war. Illinois M. J., 1942, **82**: 361–4.—**Farrell, M. J., & Atto, K. H.** Wartime stresses and neuropsychiatry. Am. J. Nurs., 1943, **43**: 638–40.—**Neuropsychiatric** problem in World War I and World War II. Health (U. S. War Dep. Surg. Gen. Off.) 1945, Apr., 6–9.—**Parsons, E. H.** Military neuropsychiatry in the present war. Ann. Int. M., 1943, **18**: 935–40.—**Perrier, S.** La neuropsichiatria nella grande guerra. Minerva med., Tor., 1935, **26**: pt 1, 712–6.—**Strecker, E. A.** Neuropsychiatry in war. Arch. Neur. Psychiat., Chic., 1944, **51**: 493.

NEURORETINITIS.

See under **Retina.**

NEUROSIS.

See also such terms as **Epilepsy; Foreign service; Narcolepsy; Nervous system,** Disease, functional; **Neuropsychiatric casualty; Neurotic; War neurosis.**

Brussel, J. A., & Wolpert, H. R. The psychoneuroses in military psychiatry. War Med., Chic., 1943, **3**: 139–54.—**Buttersack.** Kriegs- und andere Neurosen. Deut. med. Wschr., 1936, **62**: 1608.—**Davidenkov, S.** Nevrozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1278–86.—**Dillon, F.** Neurosis in soldiers. Lancet, Lond., 1942, **1**: 574.—**Finesinger, J. E., & Cobb, S.** Psychoneurosis and psychosomatic disorders. In: Man. Mil. Neuropsycbiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 128–51.—**Fisher, E. D.** Psychoneurosis in the Armed Forces. Bull. U. S. Army M. Dep., 1947, **7**: 939–47.—**Fitzhugh, C. S.** Neurosis. Hosp. Corps Q., 1943, **16**: 51–3.—**Hirschberg, C.** Psychoneuroses in military personnel. Am. J. M. Sc., 1944, **208**: 119–32.—**Kirk, N. T., & Menninger, W. C.** Broadcast on psychoneurosis. Bull. U. S. Army M. Dep., 1944, No. 78, 40.—**Lewis, A., & Slater, E.** Neurosis in soldiers; a follow-up study. Lancet, Lond., 1942, **1**: 496–8.—**Pignataro, F. P.** The psychoneuroses as they pertain to the military service. Mil. Surgeon, 1942, **90**: 29–37.—**Pollack, B.** Psychoneuroses in peace and war (psychosomatic medicine) Clin. Med., 1945, **52**: 271–5.—**Wada, K.** Sina-zihen oyobi Taiheiyō-sensō wo hukumu saikin jikka-nenkan ni okeru sinkeisitu-kanzya no syōtō [Variations in numbers of nervous patients during the past ten years, which include the China incident and the Pacific war] Psychiat. neur. jap., 1946–47, **49**: 50–3.—**Whitehead, D.** The psychoneuroses in military medicine. Pennsylvania M. J., 1942–43, **46**: 463–8.

—— Air Force.

See also **Aviator,** Neuropsychiatry.

REID, D. D. The prognosis for a return to full flying duties after psychological disorder. 14p. 27½cm. Lond., 1943.

Forms F. P. R. C. No. 535, Gr. Britain Flying Pers. Res. Com.

WENGER, M. A. Psychophysiological studies; test differences between aviation students and hospitalized psychoneurotic patients. p.149–64. 26cm. S. Antonio, 1945.

Forms T45–9, Res. Bull. Res. Unit S. Antonio Cadet Center.

WILLIAMS, D. A note on the time of recognition of neurosis in flying personnel. 2 l. 29cm. Lond., 1944.

Forms F. P. R. C. No. 412J, Gr. Brit . Flying Pers. Res. Com.

Marshalkin, O. S. Profilaktika astenii i vegetativnykh nevrozov u letćikov-vysotnikov. Voen. med. J., Moskva,

1945, No. 7, 34–8.—**Reid, D. D.** Neurosis on active service; experience among aircrew on a bomber station. In: Interallied Conf. War Med. (1942–45) 1947, 230–3.

—— Army.

Bailey, P., & Haber, R. Occurrence of neuropsychiatric diseases in the Army. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 151–6.—**Hyland, H. H.** Psychoneuroses in the Army overseas. Canad. M. Ass. J., 1944, **51**: 306–9.—**Layman, J. W.** Problems of adjustment referred to General Hospitals of the Army. J. Abnorm. Psychol., 1943, **38**: No. 2, Suppl., 155–64.—**Leigh, A. D.** Neurosis as viewed by a regimental medical officer. Lancet, Lond., 1941, **1**: 394–6.—**Lewis, A., & Goodyear, K.** Vocational aspects of neurosis in soldiers. Ibid., 1944, **2**: 105–9.—**Menninger, W. C.** Complications related to Army methods. In his Psychiat. in a Troubled World, N. Y., 1948, 29–35.—**Ráthony, R. F.** [Neuroses in the Army] Gyógyászat, 1919, **59**: 144; passim.—**Stein, W.** Psychonerwice w wojsku. Lek. wojsk., 1949, **25**: 33–47.

—— autonomic.

See subheading (Types)

—— cardiovascular.

See **Heart neurosis; Neurocirculatory asthenia.**

—— Cases.

Denny-Brown, D. Indian neurological interlude. Harvard M. Alumni Bull., 1945–46, **20**: 111–6.—**Dublineau, J.** Recherches sur 55 cas de crises nerveuses observées en milieu militaire. Ann. méd. psychol., Par., 1941, **99**: pt 2, 399–407.—**Ebaugh, F. G.** Neuropsychiatric case reports. J. Mil. M. Pacific, 1945, **1**: No. 3, 62; 1946, **2**: 49.—**Fodor, N.** El renacimiento del héroe. Rev. psicoanál., B. Air., 1946–47, **4**: 540–59.—**Grinker, R. R., & Penfield, W.** Neurosis in Russia. Canad. M. Ass. J., 1944, **51**: 379.—**Herman, E.** Z kazuistyki nerwic wojennych. Lek. wojsk., 1921, **2**: 1107–9.—**Hunt, W. A., & Wittson, C. L.** Some sources of error in the neuropsychiatric statistics of World War II. J. Clin. Psychol., 1949, **5**: 350–8.—**Margolin, S. G., & Kubie, L. S.** A neurosis in a merchant seaman. J. Abnorm. Psychol., 1944, **39**: 180–8.—**Neuropsychiatric** case reports. Psychosomat. M., 1945, **7**: 185.—**Owensby, N. M.** The neuroses of war and peace time; report of cases. Med. Progr., Louisv., 1920, **36**: 51.—**Swan, J. M.** An analysis of ninety cases of functional disease in soldiers. Arch. Int. M., 1921, **28**: 586–602.—**White, R. Y.** The Colonel's neuroses hurt. Red Cross Courier, 1943–44, **23**: No. 4, 3–6.

—— Clinical aspect.

See also subheading (Types)

Birnbaum, K. Klinische Schwierigkeiten im Psychogeniegebiet. Mschr. Psychiat., 1917, Orig., **41**: 339–72.—**Damaye, H.** Remarques sur l'épilepsie, l'hystérie et la chorée dans un service de psychiatrie d'ambulance. Progr. méd., 1918, 3. ser., **33**: 315–8.—**Roger, H.** Ce que pratiquement le médecin doit savoir des crises nerveuses en pratique neurologique militaire. Concours méd., 1940, **62**: 778–80.

—— Compulsion neurosis.

See subheading (Types)

—— Convulsive state.

See subheading (Types) also **Epilepsy.**

—— Depressive state.

See also **Psychosis.**

Cashman, W. M. Suicide due to promotion depression; a case report. U. S. Nav. M. Bull., 1943, **41**: 1412.—**Myers, H. J., & Von Koch, S.** Reactive depression; a study of one hundred consecutive cases. War Med. Chic., 1945, **8**: 358–64.—**Rogerson, C. H.** Depressive states in the soldier. Brit. M. J., 1941, **2**: 209.—**Rubin, H. E., & Katz, E.** Auroratone films for the treatment of psychotic depressions in an Army general hospital. J. Clin. Psychol., 1946, **2**: 333–40, 2 pl.—**Rudolf, G. R. A. de M.** The uncertified chronic patient. J. R. Army M. Corps, 1940, **75**: 236–42.—**Serota, H. M.** A note on the treatment of depressive psychoses in soldiers. Bull. Menninger Clin., 1946, **10**: 10–7.—**Sodium** amytal in the management of depressed and negativistic patients. Bull. U. S. Army M. Dep., 1944, No. 81, 5.—**Stockings, G. T. T.** A study of acute neurotic depression as seen in military psychiatry and its differential diagnosis from the depressive psychoses. J. Ment. Sc., Lond., 1944, **90**: 772–6.—**Tredgold, R. F.** Depressive states in the soldier; their symptoms, causation, and prognosis. Brit. M. J., 1941, **2**: 109; 490.—**Yellowlees, H.** Depressive states in the soldier. Ibid., 243.

—— Diagnosis.

See also **Neuropsychiatric examination.**

Ebaugh, F. G. Orientation data regarding psychoneurosis. Bull. U. S. Army M. Dep., 1944, No. 82, 81–6.—**Kibbe, M. H.** Electroencephalograms in neuropsychiatric disorders among soldiers; results in 950 cases. N. England J. M., 1947, **237**: 122–5.—**Method** of recording diagnosis of psychoneurosis. Bull. U. S. Army M. Dep., 1945, **4**: 352.—**Roger, H.** Diagnostic des crises nerveuses en pratique neurologique militaire. J. prat., Par., 1940, **54**: 89–93. Also Marseille méd., 1940, **77**: pt 1, 22–31.

—— Disability.

See also **Neurotic; Psychopath.**

Gaupp, R. Die Dienstbrauchbarkeit der Epileptiker und Psychopathen. Mil. ärztl. Sachverst. Tätigk., Jena, 1917, **1**: 115–39.—**Mattauschek, E.** Neurosen und Militärdiensteignung. Militärarzt, Wien, 1908, **42**: 86; 106.

—— Disposition.

See also **Neuropsychiatric casualty; Neuropsychiatric examination; Neurotic,** Discharge.

Farrell, M. J. Military laws and regulations pertaining to disposition of neuropsychiatric cases. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 1–12.—**Kylin, E.** [Nervous diseases in recruits] Tskr. mil. hälsov., 1926, **51**: 163–71.—**Lewis, A.** Social effects of neurosis. Lancet, Lond., 1943, **1**: 167–70.—**Porter, R. T., & Michaels, J. J.** The differences in attitudes toward return to duty of neurotic and psychotic soldiers in an Army general hospital. J. Nerv. Ment. Dis., 1948, **107**: 167–73.—**Porter, W. C.** Suggestions for disposition of neuropsychiatric cases. Army M. Bull., 1941, No. 57, 28–35

—— Etiology.

See also **Foreign service.**

SCHMIDT, W. *Aetiologische Betrachtungen bei nervösen Erkrankungen von Militärangehörigen im späteren Zivilberuf. 28p. 8° Berl., 1908.

Adamson, G. I., & Bochner, A. A. K. Physical debility and emotional disorders. J. Canad. M. Serv., 1944–45, **2**: 454–62.—**Gillespie, R. D.** Constitutional factors in psychoneuroses. In his Psychol. Effects of War, N. Y., 1942, 36–61. ——— Social factors in psychoneuroses. Ibid., 62–105.—**Nichols, L. A.** Neuroses in native African troops. J. Ment. Sc., Lond., 1944, **90**: 862–8.—**Perk, D.** Psychoneurosis in the soldier; its psychopathology and aetiology. S. Afr. M. J., 1948, **22**: 511; 549.—**Sandler, A.** K voprosu ob jatrogennykh zabolevanijakh. Voen. san delo, 1936, No. 6, 57–60.—**Stein, M.** Neurosis and group motivation. Bull. U. S. Army M. Dep., 1947, **7**: 317–21.—**Uhler, C.** The perpetuation of nervous disorders by Army psychiatric procedure. J. Am. M. Ass., 1946, **131**: 652–6.

—— Fits.

See also subheading (Types)

Juhász, P. A honvedségnél észlelt összeesések elektroencephalographiás leleteinek kiértékelése. Honvédorvos, 1950, **3**: 330–41.—**Lennox, W. G.** Fits and paroxysmal neuropsychiatric syndromes in the military service. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 89–95.

—— Forensic aspect.

See also subheading (Disability)

Anhaltspunkte für die militärärztliche Beurteilung der Frage der Dienstbeschädigung oder Kriegsdienstbeschädigung bei den häufigsten psychischen und nervösen Erkrankungen der Heeresangehörigen. Deut. mil. ärztl. Zschr., 1918, **47**: 391–404.—**Christukat.** WDB-Fragen bei psychiatrisch-neurologischen Erkrankungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 217.—**D'Alessandro, R.** Organonevrosi ed organopatie nei rapporti della medicina legale militare. Gior. med. mil., 1938, **86**: 700–22.—**Heidenhain.** Dienstbeschädigung und Neurose. Veröff. Heer. San., 1937, H. 102, 295–311.—**Horder, Curran, D.** [et al.] Discussion on functional nervous states in relation to service in the Armed Forces. Proc. R. Soc. M., Lond., 1942–43, **36**: 253–60.—**Osnato, M.** Psychoneuroses in relation to military service. Tr. M. Soc. N. Carolina, 1925, **72**: 237–42.—**Rieth, A., & Schellworth, W.** Fragen der ärztlichen Beurteilung und Begutachtung; psychogene Dauerreaktionen (sog. Neurosen) In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 281–9.—**Schulte-Ostrop.** Dienstbeschädigungsfrage bei Neurosen (Neurasthenie, Psychopathie, Hysterie, Neuropathie) Veröff. Marine San., 1927, H. 14, 33–58.—**Stier, E.** Zur Frage der militärischen Rentenversorgung der Psychopathen und Neurotiker. Zschr. ärztl. Fortbild., 1919, **16**: 157–64.—**Thompson, L. J.** Neurosis on active service. In: Interallied Conf. War Med. (1942–45) 1947, 225–7.—**Vorkastner.** Die Dienstbeschädigungsfrage bei Neurosen. Allg. Zschr. Psychiat., 1918, **74**: 517–20.—**Weiler, K.** Grundlagen und Erfahrungen auf dem Gebiet der WDB.-Frage; nervöse und seelische Störungen. Münch. med. Wschr., 1941, **88**: 773–6.

—— Hysteria.

See as main heading.

—— Manifestation.

See also subheadings (Clinical aspect; Types) also **Blind; Psychosomatosis.**

Garton, A. C. Gastro-intestinal lesions in patients with diagnoses of psychoneurosis. Med. Bull. Veterans Admin., 1931, **7**: 1053–9.—**Golant, R. J.** [Neurotic symptoms in soldiers] Obozr. psikhiat. nevr., 1916, **20**: 63–6.—**Kraemer, M.** Dyspepsia in the Army; mental disease in soldiers with gastro-intestinal complaints. Mil. Surgeon, 1948, **102**: 292–7.—**Menninger, W. C.** Other maladjustments. In his Psychiat. in a Troubled World, N. Y., 1948, 175–90.—**Miller, M. L.** Neuroses; their expression in military and civilian life. California West. M., 1946, **64**: 296–300.—**Molhant, M.** Les troubles moteurs d'ordre mental (étude clinique, pathogénique, thérapeutique et médico-militaire) Arch. méd. belges, 1918, **71**: 591–600.—**Oltramare, J. H.** Le syndrome physiopathique de Babinski-Froment. In his Chir. guerre, Lausanne, 1944, 54–9. ——— Les algies sympathiques. Ibid., 60–6.—**Rugg-Gunn, M. A.** Nutritional neuropathy as seen in ex-prisoners of war from the Far East with special reference to the factors responsible for the distribution of the lesions in the central nervous system. J. R. Nav. M. Serv., 1947, **33**: 137–77.—**Schweinitz, G. E.** Ocular phenomena in psychoneuroses. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 594–7, 7 pl.—**Star, S. A.** Psychoneurotic symptoms in the Army. In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, **2**: 411–55.—**Stebeck.** Neurosis from the point of view of internal medicine. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 317; Disc., 319–21.

—— Navy.

Andrenelli, L. Le psiconevrosi e il servizio militare marittimo. Ann. med. nav., Roma, 1948, **53**: 9; passim.—**Curran, D.** Functional nervous states in relation to service in the Royal Navy. In: Interallied Conf. War Med. (1942–45) 1947, 219–24.—**Warner, N., & Gallico, M. W.** Occurrence of psychoneurotic symptoms on the various services of a naval hospital. U. S. Nav. M. Bull., 1945, **45**: 1119–24.

—— Neurasthenia.

See as main heading.

—— Paralysis.

See **Paralysis; Paraplegia.**

—— Pathogenesis.

See also subheading (Etiology) also **Nervous breakdown; Psychosomatosis.**

Lipschutz, L. S. The background of military psychoneuroses. Mil. Surgeon, 1945, **97**: 384–8.—**Long, F. L.** The unfolding of a psychoneurosis. U. S. Veterans Bur. M. Bull., 1929, **5**: 668–74.—**Schneider, K.** Neurosis from the point of view of clinical psychiatry. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 314; Disc., 319–21.—**Turow, I. L.** Neurosis, neurotic reaction and motivation. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 26–31.—**Whitehorn, J. C.** Changing concepts of psychoneurosis in relation to military psychiatry. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 1–10.—**Würfler, P.** Zum Verständnis der Neurose, auch im Hinblick auf militärische Verhältnisse. Deut. Militärarzt, 1939, **4**: 124–8.

—— Prevention.

See also **Mental hygiene; Psychiatry, preventive; Psychological service.**

Blacker, C. P. Neurosis and the mental health services. 218p. 22cm. Lond., 1946.

Andres, L. [Prevention of psychoneurosis in the Russian Army] Sovrem. psikhonevr., 1930, **11**: 89–92.—**Favorsky, B. A.** [Prevention of neurosis in the Red Army and Navy] Voen. med. J., Moskva, 1930, **1**: 108–14.—**Granjux.** La prévention des maladies nerveuses et mentales dans l'armée. C. rend. Congr. alién. neur. France, 1905, 15. Congr., **2**: 71–82.—**Shaikevich, M. O.** [Neuro-mental disease in time of war and its prevention] Sibir. vrach, 1915, **2**: 35–9.

—— Prognosis.

Schwab, S. I. Residuals of neuropsychiatric disorders. Proc. Inst. M. Chicago, 1944–45, **15**: 236.—**Trent, L. E.** Psychoneurosis developing into a psychosis. Med. Bull. Veterans Admin., 1935, **12**: 93–5.—**Woods, L. C.** What is to become of the psychoneurotic? U. S. Veterans Bur. M. Bull., 1925, **1**: No. 5, 17–9.

—— Psychasthenia.

See **Psychasthenia.**

—— Psychopathology.

See also subheading (Pathogenesis)

Fetterman, J. Neurotic reactions in soldiers. Ohio M. J., 1944, **40**: 1051–6.—**Gillespie, R. D.** Changing concepts in psychoneuroses. In his Psychol. Effects of War, N. Y., 1942, 11–35.—**Modena, B.** Le tonalità affettive nei malati di guerra. Gior. psichiat., 1915–16, **43**:–**44**: 115–20.

—— Rehabilitation.

See **Neurotic,** Rehabilitation.

—— traumatic.

See also **Injury,** Psychological aspect; **War neurosis,** traumatic.

Balduino, C. Le neurosi traumatiche. Ann. med. nav., Roma, 1909, **15**: 307–17.—**Bleicher, P.** Traumatische Neurosen im Anschlusse an Kopfverletzungen; ihr Einfluss auf die Diensttauglichkeit, ihre Bedeutung bei Versorgungsansprüchen. Militärarzt, Wien, 1909, **43**: 129; 147; 165.—**Boschi, G.** Estendimento del concetto di sinistrosi in quello di patologia sovventigena. Minerva med., Tor., 1940. **31**: pt 2, 192. Also Policlinico, 1940, 47; sez. prat., 1260 (Abstr.) ——— Modalità di indennizzo nella sinistrosi. Ibid., 1260 (Abstr.)—**Eissen, J.** Un cas de sinistrose. Ann. méd. psychol., Par., 1919, **11**: 10. ser., 505–11.—**Gerver, A. V.** [Traumatic neuroses of soldiers] Russ. vrach, 1915, **14**: 937; 967.—**Goodwin, O. P.** Traumatic neuroses without external evidence of brain injury; with case reports. Med. Bull. Veterans Admin., 1931, **7**: 821–5.—**Gozdziewski.** O ostrych wojennych nerwicach urazowych. Lek. wojsk., 1921, **2**: 59–61.—**Kelman, H.** The traumatic syndrome. Am. J. Psychoanal., 1946, **6**: 12–9.—**Minski, L.** Psychological reactions to injury. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 115–22.—**Schwab, R. S., Finesinger, J. E., & Brazier, M. A. B.** A study of traumatic psychoneuroses in enlisted Navy personnel. Tr. Am. Neur. Ass., 1943, **69**: 129–32.—**Shefer, E. I.** O nozologićeskoj sušćnosti travmatićeskogo nevroza. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 152–6.—**Strasser, C.** Ueber Unfall- und Militärneurosen. Korbl. Schweiz. Aerzte, 1917, **47**: 257–74.—**Sukhov, A. A.** [Present condition of science concerning traumatic neurosis; questions of its study and treatment from the viewpoint of military medicine] Voen. med. J., Petrogr., 1916, **245**: Med. spec. pt, 241–72.—**Teneff, S.** La nevrosi traumatica. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 138.—**Vasiliu, Stanes, & Stanesco.** Contribution à l'étude de la sinistrose. Echo méd. nord, 1934, 3. ser., **2**: 218.

—— Treatment.

See also **Nervous system,** Disease, functional.

Altman, L. L., Pillersdorf, L., & Ross, A. T. Neuroses in soldiers; therapeutic barriers. War Med., Chic., 1942, **2**: 551–60.—**Description** (A) of the treatment facilities for civilian psychoneurotic casualties provided by the Emergency Medical Service, 1940. In: Neuroses in War (Miller, E.) N. Y., 1940, 225–8.—**Gabriel, E.** Zur Behandlung einiger funktioneller Störungen. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 606–14.—**Glass, A. J.** Effectiveness of forward neuropsychiatric treatment. Bull. U. S. Army M. Dep., 1947, **7**: 1034–41.—**Good, R.** Convulsion therapy in war psychoneurotics. J. Ment. Sc., Lond., 1941, **87**: 409–18.—**Menninger, W. C.** Opportunities for treatment of neuropsychiatric patients. Bull. U. S. Army M. Dep., 1944, No. 74, 90–8.—**Milton, E. O.** Visual aids in lectures on adjustment. Bull. Mil. Clin. Psychologists, 1946, **1**: 66–8.—**Naegeli, H.** Neurosentherapie im Militärdienst Vjschr. schweiz. Sanitätsoff., 1941, **18**: 6–11.—**Ollendorff, K.** Das Turnen in der Behandlung der psychogen bewegungsgestörten Soldaten. Med. Klin., Berl., 1917, **13**: 765.—**Parkinson, C. K.** The management of neurotic affections in military practice. Med. J. Australia, 1940, **1**: 94–7.—**Simon, B.** The treatment of the neuropsychiatric patient in an Army hospital. Med. Clin. N. America, 1946, 459–72.—**Strecker, E. A.** Military neuropsychiatric disabilities and their treatment. Ohio M. J., 1943, **39**: 47 (Abstr.)—**Washburne, A. C.** Therapeutic aspects of the psychoneuroses. U. S. Nav. M. Bull., 1941, **39**: 60–4.

—— Treatment: Drug.

See also **Narcoanalysis; Narcosynthesis.**

Altman, L. L. Neuroses in soldiers; use of sodium amytal as an aid to psychotherapy. War Med., Chic., 1943, **3**: 267–73.—**Blarer, A. v.** Ueber die Anwendung von Sodium Pentathol in der amerikanischen Armee; kurze orientierende Mitteilungen über Neuerungen in der psychoanalytischen Technik. Schweiz. Zschr. Psychol., 1948, **7**: 133–9.—**Ivanov-Smolensky, A. G.** [The effect of quietal (noctal) on general excitation in neuropsychoses] Voen. med. J., Moskva, 1944, 52.

—— Treatment: Psychotherapy.

See also **Narcoanalysis; Narcosynthesis.**

Foulkes, S. H. Group analysis in a military neurosis centre. Lancet, Lond., 1946, **1**: 303–6.—**Mallinson, W. P.** Narcoanalysis in neuro-psychiatry. J. R. Nav. M. Serv., 1940, **26**:

281–4.—**Nonne.** Zur Suggestivbehandlung der motorischen Psychoneurosen bei Soldaten. Münch. med. Wschr., 1917, **64**: 1014.—**Rosen, H., & Myers, H. J.** Abreaction in the military setting. Arch. Neur. Psychiat., Chic., 1947, **57**: 161–72.—**Schultz, J. H.** Neurosis from the point of view of psycho-therapy. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 315–7; Disc., 319–21.

—— Types.

See also under names of neurosis and psychoneurosis as **Hysteria; Neurasthenia,** etc.

Bernsdorf, W. Ueber vegetative Neuropathien; unter besonderer Berücksichtigung der Kriegserfahrung und der militärärztlichen Beurteilung. Bull. War M., Lond., 1942–43, **3**: 287 (Abstr.)—**Davidenkov, S.** Angiotrofonevrozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 193–6.—**Levikova, E. D.** [Forms of neuropsychiatric disease among soldiers] Nevropat. psikhiat., 1943, **12**: No. 5, 56.—**Michaels, J. J., & Porter, R. T.** The striking contrast in the incidence of compulsion neurosis and psychopathic personality in the armed forces; psychiatric and social implications. J. Nerv. Ment. Dis., 1948, **108**: 157–60.—**Nágera, V.** Neurosis de deseo. Rev. españ. med. cir. guerra, 1945, **7**: 202–6.—**Snezhnevsky, A. V.** [Convulsion syndromes] Nevropat. psikhiat., 1943, **12**: No. 5, 57.

—— Veterans.

See also **Neurotic.**

Durfee, H. Opinion poll of physicians regarding neuropsychiatric conditions among World War II veterans in Rhode Island. Rhode Island M. J., 1946, **29**: 203–5.—**Ford, H., & McMillan, T.** Neuropsychiatric problems of returning servicemen. Texas J. M., 1946–47, **42**: 358–61.—**Gardner, S. M.** Psychoneurosis in the veteran. Connecticut M. J., 1946, **10**: 477–9.—**Greenhill, M. H.** Clinical features of the psychoneuroses in World War II veterans. North Carolina M. J., 1946, **7**: 585–90.—**Palmer, H.** The problem of neurosis in ex-soldiers. N. Zealand M. J., 1948, **47**: 129–38.—**Rome, H. P.** The neuropsychiatric problem in returning servicemen. Dis. Nerv. Syst., 1945, **6**: 333–6.—**Tait, P. G.** Psychoneuroses observed among ex-soldiers. Ohio M. J., 1932, **28**: 30–3.—**Wilson, A. C.** Inhibitory factors in the post-war world. Med. Press, Lond., 1947, **217**: 222.

NEUROSIS center.

See also **Neurology,** Hospitals.

Dunn, W. H., & Selinski, H. An Army neurosis center. Bull. U. S. Army M. Dep., 1947, **7**: 868–76.—**Hadfield, J. A.** War neurosis; a year in a neuropathic hospital. Brit. M. J., 1942, **1**: 281; 320.—**Lemkau, P. V., & Kent, F. E.** Sociological factors in patients in Army Neurosis Center and their relation to disciplinary actions. Am. J. Psychiat., 1945–46, **102**: 231–6.—**Parsons, F. W.** Hospital for war neuroses, Base Hospital, No. 117; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 355–67.—**Senerchia, F. F.,** jr. An experimental unit for the retraining of psychoneurotic soldiers. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 87–93.

NEUROSURGERY.

See also **Facial nerve; Nerve block; Surgical technic,** Field.

Asenjo, A., & Valladares, H. La neurocirugía en la guerra. Arch. Soc. cirujan. hosp., Santiago, 1944, **14**: 65–73.—**Cairns, H.** Recent advances in neurosurgery. J. R. Nav. M. Serv., 1935, **21**: 78–80.—**Costa, D. G. da.** Estado atual da cirurgia neurológica. Arq. brasil. med. nav., 1943, **4**: 207–18.—**Irving, J. G.** Neurosurgical operations on service personnel. Proc. M. Sect. Am. Life Convent., 1947, **35**: 54–62.—**Koreisha, L. A.** [Problems of neurosurgery during the 2nd year of the war] Vopr. nevrokhir., 1943, **7**: No. 3, 59–63.—**Lafargue, P., & Delmas-Marsalet, P.** Acquisitions neuro-chirurgicales de la guerre. J. méd. Bordeaux, 1941, **118**: 667.—**Martin, J.** The neurosurgical problems of warfare; a collective review of the literature since 1935. Surg. Gyn. Obst., 1942, **74**: Suppl., 413–26.—**Pilcher, C.** Neurosurgery and the war. J. Tennessee M. Ass., 1942, **35**: 210–8. ——— Civilian advances and investigations in neurosurgery during the war. J. Nerv. Ment. Dis., 1945, **101**: 434–41. Also Proc. Inst. M. Chicago, 1944–45, **15**: 214–6.

—— Apparatus, equipment, and material.

Craig, W. M. A neurosurgical head rest for use in Army and Navy hospitals. J. Neurosurg., 1944, **1**: 163–5.—**Ecker, A. D.** Use of standard equipment for neurosurgical headrest in upright posture. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 31, 54.—**Frozen-dried** nerve grafts. Res. Program U. S. Army M. Res. Bd, 1946, July, 26–32.—**Gross, S. W.** Device for accurate approximation of peripheral nerves. Bull. U. S. Army M. Dep., 1944, No. 75, 118.—**Schultz, E. C.** A simply constructed aid for the application of rolled tantalum foil. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 31, 47.

—— Congress.

Christensen, J. C. Neurocirugía de guerra en Gran Bretaña; reunión de neurocirujanos británicos en Oxford agosto de 1941, resumida. Sem. méd., B. Air., 1942, **49**: 854–65.

—— Experiences.

Askenazy, H. Experiences of war-time neuro-surgery. Harefuah, Tel Aviv, 1948, **35**: 97–101.—**Davis, L.** Neurological surgery through the years of World War II. Surg. Gyn. Obst., 1949, **89**: Suppl., 1–23.—**Elsberg, C. A.** Development of neurosurgery in New York City during the past 25 years, with comment on advances due to experiences in the First World War. Arch. Neur. Psychiat., Chic., 1942, **48**: 675. Also J. Nerv. Ment. Dis., 1942, **96**: 203.—**Haynes, W. G.** Wartime neurosurgical experiences. Surgery, 1946, **19**: 543–52.—**Heimanovich, Z. I.** [Experiences in neurosurgical work] Vopr. nevrokhir., 1943, **7**: No. 4, 47.—**Hesnard.** Notes de chirurgie nerveuse de guerre; lésions organiques chirurgicales. Arch. méd. pharm. nav., 1920, **109**: 201–9.—**Isii, Y.** Sinkei-geka ni okeru Chronaxie ni tuite [Ueber die Chronaxie im Gebiet der Nerven-Chirurgie] Gun idan zassi, 1933, 1527–46.—**Ritchie, W. P., French, L. A., & Titrud, L. A.** A summary of the neuro-surgical cases treated in A. U. S. Army general hospital. Minnesota M., 1945, **28**: 914–9, &c.—**Sjöqvist, O.** Krigserfarenheter inom hjärn- och nervkirurgien. Tskr. mil. hälsov., 1944, **68**: Suppl., 125–8.—**Spurling, R. G.** Neurosurgery in World War II. Bull. U. S. Army M. Dep., 1946, **6**: 691–5. Also J. Am. M. Ass., 1947, **135**: 473–6.

—— Hospitals.

See also **Neurology,** Hospitals; **Neuropsychiatry,** Hospitals; **Neurosis center.**

Mosebach, H. *Gehirnverletzte Soldaten im Standortlazarett Dresden [Berlin] 21p. 21cm. Dresd., 1940.

United States. Veterans Administration. Technical bulletin 10A–76: Hospitals authorized for the care of neurosurgical patients. 2p. 27cm. Wash., 1947.

Also Change 1 [1]p. 1948.

Chiasserini, A. Il reparto neuro-chirurgico dell'Ospedale militare del Celio in Roma. Atti Soc. romana chir., 1941, **3**: 418–29. Also Gior. med. mil., 1941, **89**: 805–33. ——— Relazione sull'attività del Centro per neurolesi nell'Ospedale militare del Celio di Roma. Ibid., 1942, **90**: 656–64.—**David, M., & Ferey, D.** Sur l'activité du Centre neuro-chirurgical de la IIe Armée; à propos du traitement des blessures cranio-cérébrales. Mém. Acad. chir., Par., 1940, **66**: 668–77. Also in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 596–9.—**Elsberg, C. A.** Training in the neurosurgical school of New York. Med. Rec., N. Y., 1918, **93**: 350.—**Fontaine, R., Rousseaux, R.** [et al.] Note sur six mois d'activité d'un Centre de neurochirurgie d'armée. Rev. neur., Par., 1939–40, **72**: 606–14.—**Houston, H. E.** The neurosurgical service in an evacuation hospital. Bull. U. S. Army M. Dep., 1946, **5**: 328–36.—**Jakumin, N. N.** Otčet nervnogo otdelenija Lazareta dlja ranenykh pri Moskovskoj Mariinskoj bolnice. J. nevropat. psikhiat., Moskva, 1908, **8**: 299–315.—**Lazarett** für Hirnverletzte. Praxis, Bern, 1942, **31**: 365.—**Lazarette** für Gehirnverletzte in Deutschland. Ibid., 15.—**Petit-Dutaillis, D., Massé, L., & Sigvald, S.** Note sur l'activité d'un centre de neuro-chirurgie d'armée. J. méd. Bordeaux, 1941, **118**: 805–8.—**Polozov, J. S.** [Results of six months of neurosurgical work at base hospitals] Vopr. nevrokhir., 1942, **6**: No. 5, 49–53.—**Postolov, M. P.** [Neurosurgical activity of hospitals at the front] Nevropat. psikhiat., 1943, **12**: No. 5, 62.—**Ritchie, W. P.** The treatment of neurosurgical cases in an overseas hospital. Minnesota M., 1946, **29**: 67–70.—**Rowe, S. N., & Huber, C. B.** Neurosurgery in a veterans' hospital. Med. Bull. Veterans Admin., 1940–41, **17**: 217–26.—**Villandre, C.** Fonctionnement du service de chirurgie du Centre neurologique de la XIVe région. Arch. méd. pharm. mil., 1917, **67**: 739–62.

—— Manual.

Anokhin, P. K. Пластика нервов при военной травме периферической нервной системы. 104p. 20cm. Moskva, 1944.

Forms No. 5, Vosstanovitelnaja khir.

Bondarchuk, A. V., Vaskin, I. S., & Kudrin, I. S. Основы военно-полевой нейрохирургии. 376p. 22½cm. Leningr., 1942.

Penfield, W. G. Canadian Army manual of military neurosurgery. 101p. 20½cm. Ottawa, 1941.

United States. Army. Surgeon General's Office. Manual of neuro-surgery. 492p. 23½cm. Wash., 1919.

—— Methods.

See also **Nerve injury; Nervous system,** Injury.

NEY, K. W. Technique of nerve surgery. p.949–1080. 26cm. Wash., 1927.
In: Med. Dep. U. S. Army in the World War, v.**11**, pt 1.

VOLOZHAJKIN, V. M. О невролизе и нервном анастомозе. p.1–110. 25cm. S. Peterb., 1907.
Tr. Hosp. khir. klin. Fedorov, S. Peterb., 1907–08, **2**: pt 1.

Berdjaev, A. F. K voprosu o vtoričnom nervnom šve. Voen. med. J., S. Peterb., 1910, **229**: Med. spec. pt, 6–17.—**Bossi, V.** Di alcuni fenomeni consecutivi alla nevrectomia plantare. Gior. vet. mil., 1892, **5**: 145; 193; 257.—**Burdenko, N. N.** [Neurosurgery of war wounds] Feldsher, Moskva, 1942, No. 11, 7–14.—**Dieterich.** Enderfolge von Nervennähten nach Schussverletzungen aus dem Kriege 1914–18. Med. Klin., Berl., 1923, **19**: 237.—**Ecker, A.** Early nerve suture. Mil. Surgeon, 1947, **100**: 14–24.—**Forrester-Brown, M. F.** Results of operations for nerve injury at the Edinburgh War Hospital. Brit. M. J., 1920, **2**: 467.—**Gardner, W. J.** Progress in neurosurgical treatment of war wounds. Ohio M. J., 1944, **40**: 936–8.—**Gebhardt & Köstler, J.** Ersatzoperationen bei Nervenlähmungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 59.—**Gray, C. C.** Treatment of neurosurgical casualties in the field. In: Interallied Conf. War Med. (1942–45) 1947, 153–7.—**Hoen, T. I., & Clare, F. B.** Operative positions in neurosurgery. U. S. Nav. M. Bull., 1949, **49**: 129–36.—**Kuzminskaja, A. I.** [Care of neurosurgical wounded] Feldsher, Moskva, 1943, No. 10, 47–50.—**Loscertales Fontenla, F.** Las intervenciones sobre el simpático, resección y anestesia, en cirugía castrense. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2**: 224–8.—**Mysh, V. M.** Operacia Perthesa pri paraliče lučevogo nerva. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 141–9.—**Sylvester.** Operations on nerves and treatment generally. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 263–9.—**Whelan, H. M.** Nerve and tendon suture: an illustrative case. J. R. Nav. M. Serv., 1936, **22**: 234–7.—**Woodhall, B., & Goodman, E.** Pentothal sodium anesthesia in neurologic surgery. War Med., Chic., 1943, **4**: 556–64.

—— Methods: Brain, and cranium.

See also subheadings of **Injury**—by organs and regions; also **Spine,** also various subdivisions of **Head injury.**

TÖNNIS, W. Richtlinien für die Behandlung der Schussverletzungen des Gehirns und die Beurteilung ihrer Folgezustände. 74p. 18½cm. Münch., 1942.

Alexandrova, L. I. [Management of cranial wounds by the neuropathologist and neurosurgeon under conditions behind the front-line] Nevropat. psikhiat., 1943, **12**: No. 5, 62.—**Alvarez Pérez, R., & Mozota Sagardia, J. R.** Notas a un caso de absceso cerebral, presentado en la Clínica de otorrinolaringología del Hospital militar de Carabanchel. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2**: 199–201.—**Birkmayer, W., & Huber, K.** Die Behandlung und Betreuung Hirnverletzter. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 1: 337–51.—**Bromberg, B. I.** Khirurgičeskoe lečenie ranenij čerepa v armejskom rajone v uslovijakh nastuplenija. Vopr. nevrokhir., 1945, **9**: No. 2, 59.—**Castro L. de G., J.** Tratamiento de las heridas craneocerebrales de guerra. Arch. méd., Santiago, 1940, **7**: 16–25.—**Eichhoff, E.** Die Behandlung der raumbeengenden extraduralen Schädelverletzungen. Deut. Militärarzt, 1943, **8**: 215–7.—**Esteban, M.** La colaboración del oftalmólogo en cirugía craneal de guerra. Arch. Soc. oft. hisp. amer., 1947, **7**: 91.—**Filipov, F.** Lekuvane na ksnite usložnenija pri čerepnomozčni naranjavanija. Voen. san. delo, Sofia, 1947, **2**: 218–28.—**Gardner, W. J.** Tantalum in the immediate repair of traumatic skull defects; method of immobilizing the wounded brain. U. S. Nav. M. Bull., 1944, **43**: 1100–6.—**Gojchmann, V. A.** A koponyacsont sérüléses hiányának elsődleges fedése szerves üveggel. Honvédorvos, 1950, **2**: 111 (Abstr.)—**Groff, R. A.** Management of war wounds of the cranial cavity. Am. J. Surg., 1946, **72**: 434–40.—**Hombach, A. C.** Brain surgery performed under shell fire. Trained Nurse, 1946, **116**: 25–8.—**Horrax, G.** Treatment of war injuries of the skull and brain. Bull. Am. Coll. Surgeons, 1942, **27**: 127–31.—**Jaeger, F.** Die Versorgung und Behandlung traumatischer Freilegung und Prolapse des Gehirns. In: Kriegschir. Ratgeber, Berl., 1941, 175–9.—**Kessel, F. K.** [The treatment of gunshot wounds of the skull in evacuation hospitals] Khirurgia, Moskva, 1942, No. 10, 59–64.—**Kufferath, W.** Beitrag zur Frage der Versorgung der Schädel-Hirnverletzungen im Kriege. Chirurg, 1944, **16**: 10–6.—**Martel, T. de, Chevassu, M., & Gosset, A.** Gemostaz v mozgovoj khirurgii, poiski krovotočaščikh sosudov pod gazom. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 563.—**Minkin, S.** Khirurgia golovnogo mozga. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 79–90.—**Miorini, A.** Treatment of gunshot wounds under war-time conditions; wounds of the skull and brain. Chin. M. J., 1938, **53**: 477–88.—**Otto.** Fortschritte der Hirnchirurgie in letzten Kriege und ihre Bedeutung. Klin. Wschr., 1948, **26**: 255.—**Pimenta, A. de M.** Traumatismos crânio-encefálicos; considerações ncurocirúrgicas. Impr. méd., Rio, 1945–46, **21**: No. 382, 48–51.—**Piquet, M., Dereux & Becuve, A.** Lečenie ognestrelnykh ranenij čerepa v mozgovom khirurgičeskom centre nervnoj oblasti. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 593.—**Plotkin, F. M.** [Traitement des blessures par arme à feu du crâne et de son contcnu dans les conditions de bataille; revue de la littérature française courante] Khirurgia, Moskva, 1940, No. 9, 83–96.—**Popovian, I. M.** [Treatment of cranio-cerebral wounds at the front] Vopr. nevrokhir., 1942, **6**: No. 4, 14–9.—**Rand, C. W.** Surgical experiences with war wounds of the skull and brain [1918] Bull. Los Angeles Neur. Soc., 1944, **9**: 101–5.—**Rehwald.** Behandlung und Versorgung von Soldaten mit organischen Hirnerkrankungen und Hirnverletzungen. Zschr. ärztl. Fortbild., 1943, **40**: 330; 349.—**Rüsken, W.** Aufgabe und Bedeutung der Werkstättenarbeit für die Nachbehandlung Hirnverletzter. Schr. ärztl. Sonderfürs. Schwerverwund., 1944, No. 7, 12–21.—**Ruhier, M.** Bolšie loskutnye kraniotomii na peredovykh etapakh. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 573.—**Rybushkin, I.** Trepanacia. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 530–5.—**Schorstein, J.** Primary skull closure with acrylic plates. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 256.—**Shamov, V. N., & Samotokin, B. A.** Kratkij istoričeskij obzor metodov lečenija ognestrelnykh ranenij čerepa i golovnogo mozga do Velikoj otečestvennoj vojny. In: Opyt sovet. med. Velik. otеč. vojne, Moskva, 1949, **4**: 17–38.—**Shoreston, J.** Primary skull closure with acrylic plates. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 123.—**Simon, T.** Agysérülések és koponyamûtétek légnyomásosnak kórismézetteken. Honvédorvos, 1950, **2**: 144–8.—**Speigel, I. J.** Surgical problems in the late management of craniocerebral injuries with special reference to the repair of cranial defects with tantalum plate. Am. J. Surg., 1946, **72**: 448–67, pl.—**Terian, K. G.** [The volume and character of neurosurgical aid for craniocerebral wounds in a specialized field hospital] Vopr. nevrokhir., 1944, **8**: No. 4, 30–4.—**Topchibashev, M. A.** Kranioplastika pri ognestrelnykh defektakh svoda čerepa. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 103–14.—**Webster, J. E., & Gurdjian, E. S.** The surgical management of intracranial suppuration; methods in diagnosis and management, and a report of 23 cases of civilian and 33 cases of military abscess. Surg. Gyn. Obst., 1950, **90**: Suppl., 209–35, illust.—**Woodhall, B., & Spurling, R. G.** Tantalum cranioplasty for war wounds of the skull. Ann. Surg., 1945, **121**: 649–71, pl.

—— Methods: Peripheral nerve.

See also **Nerve injury.**

AF BJÖRKESTEN, G. Suture of war injuries to peripheral nerves; clinical studies of results. 188p. 24½cm. Helsin., 1947.
Forms Suppl. 119 of, Acta chir. scand.

GOSSET, A. Résultats obtenus dans la chirurgie des blessures des nerfs périphériques par projectiles de guerre. p.373–428. 24½cm. Brux., 1924.
Rapp. Congr. Soc. internat. chir., 6. Congr. (1923) 1924, 1:

PLATT, H. The surgery of the peripheral nerve injuries of warfare. 49p. 8° Bristol, 1921.

ROSE, G. *Welches sind die Gründe, aus denen bei peripheren Nervenkriegsschussverletzungen die Neurolyse immer mehr und mehr zu Gunsten der Nervenresektion und -Naht verlassen worden ist? [Berlin] 32p. 21cm. Mannheim, 1941.

Anokhin, P. K. [Principles in surgical treatment of war traumas of the peripheral nerves] Sovet. med., 1942, **6**: No. 9, 3–8.—**Bolot, F., & Challiol, J.** Considérations suscitées par l'étude de 22 cas de séquelles de plaies des nerfs périphériques opérés. Bull. Soc. méd. mil. fr., 1948, **42**: 43.—**Burci, E.** Sul trattamento chirurgico delle ferite in guerra dei nervi periferici. Atti Accad. med. fis. fiorent., 1916, 93–100.—**D'Agata, G.** Considerazioni su alcuni interventi operativi nelle lesioni dei nervi periferici per ferite da guerra. Arch. Soc. ital. chir., (1917) 1920, **25**: 133.—**Egorov, B. G.** [Surgical treatment of gunshot wounds of the brachial plexus] Vopr. nevrokhir., 1943, 7: 47–56.—**Falcone, R.** Sulla chirurgia dei nervi periferici nelle lesioni di guerra. Riforma med., 1918, **34**: 153–5.—**Ferreira, A.** A margem de dous casos de lesões de troncos nervosos periphericos por projectis de guerra tratados operatoriamente. Bol. Soc. med. cir. mil., Rio, 1915–16, **1**: No. 4, 6–21.—**Frazier, C.** Results of peripheral nerve surgery. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 1081–90.—**Gosset, A.** Résultats obtenus dans la chirurgie des blessures des nerfs périphériques par projectiles de guerre. Gaz. hôp., 1923, **96**: 996.—**Grigorovich, K. A.** [Larger surgical access in gunshot wounds of the plexus brachialis] Khirurgia, Moskva,

1945, No. 2, 58–61.—**Gund, A.** Bericht über 146 Eingriffe an kriegsverletzten peripheren Nerven. Praxis, Bern, 1949, **38:** 774–82.—**Gusynin, V. A.** [Operative indications in peripheral neuro-traumata in evacuation hospitals] Vopr. nevrokhir., 1943, **7:** No. 4, 36–41.—**Hofmann, E.** Zur Indikationsstellung operativer Eingriffe nach Schussverletzungen peripherer Nerven. Deut. Militärarzt, 1943, **8:** 217–23.—**Kirschner, M.** Die chirurgische Behandlung der Kriegsverletzungen der peripheren Nerven und ihre Heilungsmöglichkeit durch operative Eingriffe. Med. Klin., Berl., 1922, **18:** 1–5.—**Köhler, H.** Die Vorzüge der Sekundärnaht bei Kriegsverletzungen peripherer Nerven. Arch. klin. Chir., 1944–45, **206:** 9–13.—**Lecene.** Gunshot wounds of the nerves and their surgical treatment. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 910–4.—**Lehmann, H.** Zur operativen Behandlung von Schussverletzungen peripherer Nerven. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2:** 178–97.—**Levickaia, A. V.** [Operative indications in traumatic injuries of the neural trunks] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 339–44.—**Ostermann, F. A.** Grundsätzliches zur operativen Behandlung der Nervenschüsse. Deut. Militärarzt, 1944, **9:** 42–4.—**Polenov, A. L.,** & **Bondarchuk, A. V.** Otdalennye rezultaty khirurgićeskogo lećenija ognestrelnykh ranenij nervnykh stvolov konećnostej. Vest. khir., 1946, **66:** No. 5, 110.—**Putti, V.** Orizzonti di chirurgia di guerra; le lesioni dei nervi periferici. Forze san., Roma, 1940, **9:** No. 17, 12–7.—**Scaglietti, O.** Considerazioni sul trattamento chirurgico delle ferite di guerra dei nervi periferici. Gior. med. mil., 1941, **89:** 949–51. ——— Einzelheiten über die Operationstechnik bei Verletzungen der Wurzeln des Plexus brachialis durch Schusswaffen. Zbl. Neurochir., 1942, **7:** 129–44. Also Bull. War M., Lond., 1942–43, **3:** 656 (Abstr.)—**Schmidt, G. B.** Chirurgische Behandlung der Kriegsverletzungen peripherischer Nerven. Deut. med. Wschr., 1915, **41:** 1263.—**Shelden, C. H.** Notes on the surgical management of peripheral nerve injuries. Bumed News Lett., Wash., 1945, **5:** No. 4, 11.—**Stender, A.,** & **Klar, E.** Erfolgsaussichten der operativen Behandlung der Schussverletzungen peripherer Nerven; Endergebnisse und Erfahrungen, gewonnen am Krankengut der Feldzüge 1939–1940. Chirurg, 1944, **16:** 245–62.—**Tönnis.** Die operative Behandlung peripherer Nervenschüsse. Ber. Arbeitstag. Ost herat. Fachärzte, 1943, 3. Congr., 57. ——— & **Götze, W.** Zur operativen Behandlung der Schussverletzungen der peripheren Nerven und ihre Erfolgsaussichten. Deut. Militärarzt, 1942, **7:** 245–53.—**Walther, M.** Sur l'intervention chirurgicale dans les lésions des troncs nerveux des membres par projectiles de guerre. Gaz méd. Paris, 1914, **85:** 243.—**Webster, G. V., Shelden, C. H.,** & **Pudenz, R. H.** Plastic technic in surgery of peripheral nerves. U. S. Nav. M. Bull., 1945, **45:** 22–32.

—— Organization.

See also **Head injury: Treatment: Organization; Neurology,** Service organization.

Akhutin, M. N. [Organization of neurosurgical aid in the Army and at the front during an offensive] Vopr. nevrokhir., 1944, **8:** No. 4, 11–8.—**Arutiunov, A. I.** [Organization of neurosurgical aid and the work of the neurosurgeon at the front] Ibid., 1940, **4:** No. 6, 26–32.—**Bahchin, I. S.** [Organization of neurosurgical aid at the Leningrad front] Ibid., 1944, **8:** No. 4, 26–30.—**Bagley, C.,** & **Kerr, H. H.** Division of Surgery of the Head; Section of Brain Surgery; Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1:** 456–8.—**Burdenko, N. N.** [The place of neurosurgery in general organization of the U. S. S. R. in field surgery of the present war] Vopr. nevrokhir., 1942, **6:** No. 6, 3–6. ——— Sovetskaja nevrokhirurgija v Velikoj otećestvennoj vojne. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 292–308.—**Cairns, H.** Neurosurgery in the British Army, 1939–45. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 9–26.—**Dott, N. M.** Los fines y la organización de la cirugía neurológica en tiempo de guerra. Sem. méd., B. Air., 1941, **48:** 10–5.—**Elansky, N. N.** [Organization of neurosurgical aid at the front] Vopr. nevrokhir., 1944, **8:** No. 4, 18–26.—**Foy** [Organization of neurosurgical service in the combat and communication zones] Nevropat. psikhiat., 1943, **12:** No. 5, 59.—**Hawkes, C. D.** Neurosurgery on board an attack transport (hospital) U. S. Nav. M. Bull., 1946, **46:** 1571–5.—**Kevorkian, A. A.** [Organization of service for wounds of the peripheral nerves in evacuation hospitals of the second echelon] Nevropat. psikhiat., 1943, **12:** No. 5, 60.—**Krivorotov, I. A.** [Organization and treatment of craniocerebral wounded at the various stages of evacuation; modifications based on the experience of the present war] Vopr. nevrokhir., 1943, **7:** No. 5, 54–6.—**Rogers, L.** Neurosurgery in the Royal Navy; an outline of the development and work of the Naval Neurosurgical Unit. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 90–5.—**Rosner, S.** War neurosurgery in Britain. J. Nat. M. Ass., N. Y., 1941, **33:** 268.—**Shamov, V. N.** [Organization of neurosurgical aid at the front and at the rear] Vopr. nevrokhir., 1944, **8:** No. 4, 3–11. ——— Nevrokhirurgićeskaja pomošć. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1295–304.—**Shlykov, A. A.** [Organization of medical service in the specialized neurosurgical department at the front] Vopr. nevrokhir., 1940, **4:** No. 6, 40–8.—**Tönnis, W., Fischer-Brügge, E.** [et al.] Neurosurgery in the German Army and Air Force. CIOS Rep., Lond., 1945, Item 24, No. XXVIII–49, 97–116.—**Zarubin, S. A.** Opyt nejro-khirurgićeskoj raboty v postojannom armejskom specializirovannom KPPG. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 207–20.

NEUROSYPHILIS.

See also **Syphilis; Tabes; Venereal disease.**

PESE, A. Heeresdienst und luetische Erkrankung des Zentralnervensystems. 26p. 8° Bresl., 1917.

Butts, H., & **Alberty, W. M.** Neurosyphilis. U. S. Nav. M. Bull., 1922, **16:** 483–97, pl.—**Collela, R.** Sifilide del sistema nervoso. Gior. med. mil., 1934, **82:** 101; 208; 309.—**Holmes, J. G.** Neurosyphilis. J. R. Nav. M. Serv., 1938, **24:** 131–4.—**List, H. E.** Neurosyphilis; with a report of two early cases. U. S. Nav. M. Bull., 1925, **22:** 181–5.—**McCartney, J. L.** Why is neurosyphilis uncommon in the tropics? Mil. Surgeon, 1946, **99:** 21.—**Merritt, H. H.** Syphilis of the nervous system. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 325–38.—**Nesbitt, R. W.** A case of cerebrospinal syphilis. J. R. Nav. M. Serv., 1938, **24:** 144.—**Raison, T. W.** Neurosyphilis. U. S. Nav. M. Bull., 1924, **21:** 145–64.—**Ribeiro, C.** Um caso de neurolues. Rev. med. mil., Rio, 1938, **27:** 17–9.—**Rock, R. E.,** & **Mee, E. F.** A review of neurosyphilis. U. S. Nav. M. Bull., 1947, **47:** 983–90.

—— Clinical types.

Anderson, J. B. Clinical manifestations of cerebrospinal syphilis. Mil. Surgeon, 1932, **70:** 275.—**Barrett, T. M.** A statistical study of neurosyphilitic patients hospitalized by the Veterans' Administration. Med. Bull. Veterans Admin., 1941–42, **18:** 72–9.—**Brinton, D.** Asymptomatic neurosyphilis. J. R. Nav. M. Serv., 1936, **22:** 201–6.—**Clarke, C. A.** Acute syphilitic meningo-myelitis. Ibid., 1944, **30:** 115–8.—**Davis, R. E.,** & **Dumas, A. G.** Neurosyphilis with negative serology (amyotrophic lateral sclerosis syndrome) Med. Bull. Veterans Admin., 1932, **8:** 66–8, pl.—**Ehrenfreund, E.** Secondary neurosyphilis in the Navy. U. S. Nav. M. Bull., 1925, **23:** 96–105—**Esposito, A. C.** Neurosyphilis and the oculist. Med. Bull. Veterans Admin., 1944–45, **21:** 51–3.—**Hewins, H. A.** Chorea in neurosyphilis. Ibid., 1934–45, **11:** 363.—**Noica, D., Aramă, O.,** & **Lupulescu, I.** (Clinical aspect of acute syphilitic psychosis simulating dementia praecox) Rev. san. mil., Bucur., 1933, **32:** 203–6.—**O'Leary, P. A., Moore, J. E.** [et al.] Asymptomatic neurosyphilis. Bull. U. S. Army M. Dep., 1944, No. 80, 46–51. Also Bumed News Lett., Wash., 1944, **4:** No. 8, 11–6.—**Ontaneda, L. E.,** & **Argibay Molina, M. A.** Sindrome de la cisterna quiasmática (ceguera, fiebre, poliuria) por meningorrecidiva, curado con inyecciones de neosalvarsan en la cisterna magna. Rev. san. mil., B. Air., 1934, **33:** 1–15.—**Rasim Adasal** [Case of transverse apoplectiform syphilitic myelitis] Askerî sihhiye mecmuası, 1940, **69:** No. 32, 58–60.—**Ratcliffe, T. A.** Psychiatric and allied aspects of the problem of venereal disease in the Army, with particular reference to S. E. A. C. J. R. Army M. Corps, 1947, **89:** 122–31.—**Solomon, H. C., Moore, J. E.** [et al.] Symptomatic neurosyphilis; a clinical survey. Bull. U. S. Army M. Dep., 1944, No. 81, 55–64. Also Bumed News Lett., Wash., 1944, **4:** No. 9, 13–23.—**Tildon, T. T.** Cardiovascular disease complicating neurosyphilis among Negro veterans. Med. Bull. Veterans Admin., 1936, **13:** 144–52.—**Watanabe, K.** Tahatu-sei kōka-byō to no kanbetu konnan-narisi nōsekizui-baidoku no iti rei. [A case of meningitis cerebrospinalis syphilitica, which was difficult to differentiate from multiple sclerosis] Gun idan zassi, 1929, 433–44.—**Whitmire, C. L.** Neurosyphilis: certain aspects of its evolution. Med. Bull. Veterans Admin., 1934, **10:** 212–27.—**Zienkiewicz, W.** [Cases of acute forms of febrile meningitis of syphilitic origin] Lek. wojsk., 1928, **11:** 467–74.

—— Diagnosis.

Danson, J. G. The early diagnosis of neurosyphilis. J. R. Nav. M. Serv., 1930, **16:** 243–50.—**Gohert.** La réaction de Wassermann dans le sang en neuropsychiatrie militaire à l'Armée belge. Laborat. clin., Rio, 1931, **11:** 301–4.—**Gradwohl, R. B. H.** The Lange colloidal gold reaction. U. S. Nav. M. Bull., 1926, **24:** 55–61.—**Hartinger, A. O.** Preparation of gold solution. Med. Bull. Veterans Admin., 1934, **10:** 337.—**Indications** for spinal fluid examination in the management of syphilis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 29.—**Johnsrud, R. L.** False-positive Wassermann reaction in cerebrospinal fluid; case report. U. S. Nav. M. Bull., 1941, **39:** 277.—**Suhăţeanu, C., Pârvulescu, N.,** & **Urziceanu, N.** [Bordet-Wassermann's reaction in the spinal fluid] Rev. san. mil., Bucur., 1933, **32:** 139–42.

—— General paralysis.

Jolly, P. Tabes, Paralyse und Lues cerebrospinalis bei Kriegsteilnehmern. Arch. Psychiat., Berl., 1927–28, **72:** 500–16.—**Roasenda, G.** Tabe dorsale e paralisi generale progressiva; nuovi metodi di cura. Gior. med. mil., 1933, **81:** 329–36.—**Sereisky, M.** Progressivnyj paralić (dementia paralytica) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 866–9.—**Tutomi, T.** Mahi-sei tiho oyobi sekizuirō no iō ryōhō ni tuite [Sulphur treatment of dementia paralytica and tabes dorsalis] Kaigun gun-i-kai zassi, 1933, **22:** 173–81.

—— Treatment.

LEIFER, W. A. The medical management of neurosyphilis. 8p. 27cm. Wash., 1947. ALSO another edition, 8p. 26½cm. Wash., 1949.
Forms TB 10-55, Veterans Admin. Techn. Bull.

PERÉZ GARCÍA, D. La permeabilidad celular como basc en el tratamiento radical de la sífilis; tratamiento de la neuro-sífilis y de la sífilis por la insulina. p.3-77. 22½cm. Méx., 1938.
Rev. méd. mil., Méx., 1938, 1: No. 2.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 48: Management of neurosyphilis. 4p. 26cm. Wash., 1944.

Baird, J. H., Allis, E. K., & Hoge, S. F. Treatment and course of neurosyphilis; with case reports. Med. Bull. Veterans Admin., 1937-38, **14:** 119-45.—**Branche, G. C.** Tryparsamide therapy of neurosyphilis in Negroes. U. S. Veterans Bur. M. Bull., 1931, **7:** 476-80.—**Caprio, F. S.** The therapeutic management of neurosyphilis. Med. Bull. Veterans Admin., 1938-39, **15:** 54-9.—**Carlisle, C. L., & Bowen, U. S.** Therapeutic methods in neurosyphilis. Ibid., 1940-41, **17:** 125-8.—**Ernest, F. J.** Standardization of treatment of neurosyphilis. U. S. Veterans Bur. M. Bull., 1925, **1:** No. 5, 13-6.—**Fong, T. C. C.** The treatment of neurosyphilis. Mil. Surgeon, 1936, **78:** 449-56.—**García y M. Corcín, A.** Penicilina y neurosífilis. Med. & cir. guerra, 1948, **10:** 367-9.—**Gobert.** La pyrétothérapie des accidents tardifs de la syphilis du système nerveux central en neuropsychiatrie militaire. Laborat. clin., Rio, 1933, **13:** 79-88.—**Holmes, M. B.** Tryparsamid and mercury treatment of neurosyphilis. U. S. Veterans Bur. M. Bull., 1929, **5:** 335-7.—**Johnson, E. R., & Hubbs, R. S.** Comparative results in treatment of neurosyphilis. Med. Bull. Veterans Admin., 1931-35, **12:** 46-54.—**Kimbell, I.** The treatment of neuro-syphilis. U. S. Veterans Bur. M. Bull., 1930, **6:** 766-71.—**Krendel, I. S.** Lećenie parasifilisa i sifilisa centralnoj nervoj sistemy preparatom "606". Voen. med. J., S. Peterb., 1912, **235:** Med. spec. pt, 278-88.—**Lasche, P. G.** Short-wave diathermy in neurosyphilis. Med. Bull. Veterans Admin., 1940-41, **17:** 28-30.—**McDonald, L. E.** Some aspects of the treatment of neurosyphilis in the Navy. U. S. Nav. M. Bull., 1936, **34:** 224-34, pl.—**Management** of neurosyphilis. Circ. Lett. Chief Surgeon Europ. Theater Oper., 1944, No. 103, 1.—**Markovich, M. A., & Gravirovski, R. V.** Zabolevanie nervnoj sistemy sifilitika, lećennago salvarsanom. Voen. med. J., S. Peterb., 1913, **236:** Med. spec. pt, 396-404.—**Mella, H.** A study of results of the treatment of neurosyphilis. Med. Bull. Veterans Admin., 1939-40, **16:** 106-19.—**Nelson, O. L.** Diathermy in the treatment of neurosyphilis. Ibid., 1934-35, **11:** 223-8.—**Neymann, C. A., & Singleton, D. E.** Therapeutic results with tryparsamide in the treatment of neurosyphilis. U. S. Veterans Bur. M. Bull., 1926, **2:** 435-42.—**O'Neil, R. T., & Wright, F. L.** Treatment and course of neurosyphilis; case reports. Med. Bull. Veterans Admin., 1931, **7:** 1107-20.—**Osipov, B. P.** [Treatment of late syphilitic psychoses, based on the experience in the Psychiatric Clinic of the Military Medical Academy] Tr. Acad. mil. méd. Kiroff, 1934, **1:** 303-9.—**Penicillin** in neurosyphilis. Bull. U. S. Army M. Dep., 1946, **6:** 696-9.—**Rayburn, C. R.** Intracisternal therapy in neurosyphilis. Mil. Surgeon, 1930, **67:** 922-7.—**Robertson, R. C.** The medical treatment of neurosyphilis. with report of cases. U. S. Veterans Bur. M. Bull., 1931, **7:** 25-32.—**Salisbury, F. S., & Eichenlaub, W. V.** Heat as an adjuvant to the treatment of neurosyphilis. Ibid., 1929, **5:** 432-4.—**Schelm, G. W.** Method and results of treatment with tryparsamide and mercury in 100 cases of neurosyphilis. Ibid., 1927, **3:** 658-70.—**Simpson, W. M.** Piretoterapia en la neurosifilis; frecuencia ultracorta. Rev. méd. mil., Méx., 1938, **1:** No. 5, 13-22.—**Solomon, H. C., Moore, J. E., O'Leary, P. A.** [et al.] The treatment of neurosyphilis. Bull. U. S. Army M. Dep., 1944, No. 82, 66-76.—**Zellen, M.** Some results in neurosyphilis during three years of treatment. U. S. Veterans Bur. M. Bull., 1929, **5:** 686-94.

—— Treatment: Malariotherapy.

Bowen, U. S. The place of malaria in the treatment of neurosyphilis. Med. Bull. Veterans Admin., 1938-39, **15:** 369-72.—**Harris, R. I.** Treatment of neurosyphilis with tertian malaria. U. S. Veterans Bur. M. Bull., 1928, **4:** 100-5. ——— Report of 100 cases of neurosyphilis treated with tertian malaria. Ibid., 1929, **5:** 191-3.—**Matz, P. B.** The treatment of neurosyphilis by means of inoculation malaria (an analysis based on the preliminary reports on 112 cases) Ibid., 1927, **3:** 42-6.—**Singleton, D. E., & Riley, W. J.** Treatment of neurosyphilis with tertian malaria. Ibid., 1926, **2:** 757-9; 1927, **3:** 30.—**Stephenson, C. S., & Love, J.** Malaria treatment of cerebrospinal lues; report of cases treated aboard ship. U. S. Nav. M. Bull., 1930, **28:** 376-80.—**Williams, V. B.** Treatment problems of induced malaria. Med. Bull. Veterans Admin., 1931, **7:** 949-53.

—— Treatment: Organization.

Read, H. S., Becker, F. T., & Kaplan, L. I. Operation of an Army neurosyphilis center. Bull. U. S. Army M. Dep., 1946, **6:** 66-71.

NEUROTIC [and psychoneurotic]

See also **Psychopath; Unfit;** also **Neuropsychiatric casualty; Officer,** Disease; also under names of types of neurosis and psychoneurosis as **Hysteria; Neurasthenia; Psychasthenia; War neurosis,** etc.

Ballard, E. F. The psychoneurotic temperament and its reactions to military service. J. Ment. Sc., Lond., 1918, **64:** 365-77.—**Carlson, W. A.** Follow-up study of 1749 NP cases which appeared before the 1st CME. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 24; 1948, Apr., 7.—**Damaye, H.** Phobiques et émotifs. Progr. méd., Par., 1919, 3. ser., **34:** 200-2.—**Incidence** of somatization reactions in psychoneurotic disorders. Bull. U. S. Army M. Dep., 1946, **5:** 383.—**Leavitt, H. C.** A comparison between the Neuropsychiatric Screening Adjunct (NSA) and the Cornell Selectee Index (Form N) Am. J. Psychiat., 1946-47, **103:** 353-7.—**Martin, W. B., & Petree, P. A.** The problem of the mild psychoneurotic in the Army. J. Michigan M. Soc., 1944, **43:** 483-8.—**Simon, B., & Holzberg, J. D.** A study of problems encountered by neuropsychiatric soldier patients on their first visit home. Dis. Nerv. Syst., 1946, **7:** 197-200.—**Slater, E.** The neurotic constitution; a statistical study of 2,000 neurotic soldiers. J. Neur. Psychiat., Lond., 1943, n. ser., **6:** 1-16.

—— Care.

See also **Social service,** psychiatric.

Bailey, P. Provisions for care of mental and nervous cases. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10:** 39-55.—**Brun, R.** Zur Frage der Beurteilung und Behandlung der Neurotiker im Aktivdienst. Schweiz. med. Wschr., 1941, **71:** 701-7.—**Golders** (The) Green Home [for the cure of neurasthenia and other functional diseases of the nervous system, for discharged soldiers and sailors] Recalled to Life, Lond., 1917, 73-5.—**Klugman, S. F.** Test scores of psychoneurotic returnees before and after convalescent furlough. J. Clin. Psychol., 1948, **4:** 195-200.—**Kobler, F. J.** The measurement of improvement among neuropsychiatric patients in an Army convalescent facility. Ibid., 1947, **3:** 121-8.—**Lack, C.** The management of convalescent neurotics at the Neurosis Wing, 101 Military Convalescent Depot. J. R. Army M. Corps, 1946, **86:** 32-4.—**Michaels, J. J.** The approach of the librarian to the neuropsychiatric patient in an Army general hospital. Spec. Libr., Newark, 1946, **37:** 180-3.

—— Compensation.

See also **War neurosis,** traumatic.

Panse, F. Das Schicksal von Renten- und Kriegsneurotikern nach Erledigung ihrer Ansprüche. Arch. Psychiat., Berl., 1926, **77:** 61-92.

—— Discharge and rejection.

GINSBURG, S. W. The need and demand for psychiatric care among neuropsychiatric rejectees and dischargees; a preliminary report. 7p. 23cm. N. Y., 1944.

Ackerly, S., Taylor, E. M. [et al.] Comparison of rejectees with and without preinduction screening information. Am. J. Orthopsychiat., 1944, **14:** 672-9.—**Blau, A., & Lenzner, A. S.** Attitudes and prognosis of naval psychiatric dischargees. Ibid., 1946, **16:** 455-80.—**Briden, V. S., & Wilkins, W. L.** Mental health of men discharged under the point system. U. S. Nav. M. Bull., 1946, **46:** 255-8.—**Brill, N. Q., Tate, M. C., & Menninger, W. C.** Enlisted men discharged from the Army because of psychoneuroses; follow-up study. J. Am. M. Ass., 1945, **128:** 633-7. ——— Enlisted men with overseas service discharged from the Army because of psychoneuroses; a follow-up study. Ment. Hyg., 1945, **29:** 677-92. **Davidoff, E.** Disposition of the unfit in an Army Service Forces Training Center. J. Clin. Psychopath., 1946-47, **8:** 237, passim.—**Feldman, F., & Kezur, E.** A follow-up study of Army enlisted psychoneurotic dischargees. J. Nerv. Ment. Dis., 1947, **106:** 671-85.—**Ginsburg, S. W.** Community responsibility for neuropsychiatric discharges. Ment. Hyg., Alb., 1945, **29:** 20-31.—**Gliddon, W. O.** Psychiatry and post-discharge problems. J. Canad. M. Serv., 1943-44, **1:** 52-6.—**Grant** to aid neuropsychiatric rejectees. J. Am. M. Ass., 1943, **122:** 1196.—**Green, I.** Neuropsychiatric rejects under the Selective Service Act. Med. Rec., N. Y., 1941, **154:** 95.—**Griffin, J. D., Ross, W. D.** [et al.] Psychoneurotics discharged from the Canadian Army. Canad. M. Ass. J., 1945, **52:** 330-41.—**Hendry, A. W., & MacCalman, D. R.** Neurotics in the forces. Lancet, Lond., 1940, **2:** 374.—**Hodge, R. S.** Exclusion of neurotics from the forces. Ibid., 1941, **2:** 439.—**House, W.** Neuropsychiatric problems encountered by exemption and advisory boards of interest to general practitioners. Northwest M., 1918, **17:** 262-6.—**Huber, C. B.** A review of cases of veterans of World War II discharged with neuropsychiatric diagnoses. Am. J. Psychiat., 1943-44, **100:** 306-11.—**Keenan, J. W.** Compilation of Army regulations and other directives pertaining to Department of the Army's policy in the elimination of inapt and unadjustable enlisted personnel. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 11, 12-7.—**Koontz, A. R.** Psychiatric

rejections in Selective Service. Hygica, Chic., 1942, **20:** 494.—**Kupper, H. I.** How the neurotic soldier responds after discharge from hospitals. Med. World, N. Y., 1946, **64:** 247.—**Last, S. L.** Neurotics in the forces. Lancet, Lond., 1943, **1:** 31.—**McDaniel, T. W.,** jr, & **Diamond, M. A.** A study of 700 discharged neuro-psychiatric casualties and follow-up. Dis. Nerv. Syst., 1948, **9:** 148–53.—**Mackwood, J. C.,** & **Scott, W. C. M.** Martial misfits. Lancet, Lond., 1941, **2:** 294.—**Menninger, W. C.** The problem of the discharged neuropsychiatric patient. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25:** 70–7.—**Minski, L.** Exclusion of neurotics from the forces. Lancet, Lond., 1941, **2:** 382.—**Neurotics** in the forces. Ibid., 1940, **2:** 299.—**Owens, R. A.** The neuropsychiatric dischargee. Ment. Hyg., Alb., 1945, **29:** 666–76.—**Riemer, M. D.** Effects of 4F classification on psychoneurotics under treatment. Ibid., 1946, **30:** 451–5.—**Schwab, R. S.** Psychiatric data compiled at a United States Naval personnel separation center. U. S. Nav. M. Bull., 1947, **47:** 830–4.—**Selling, L. S.** The mental-hygiene aspect of the deferred draftee. N. York State J. M., 1941, **41:** 1339–42.—**Stalker, H.** Rejection of psychiatrically unfit recruits. Lancet, Lond., 1941, **1:** 535.—**Stanley, R. A.** Why did the psychiatrist turn him down? J. Canad. M. Serv., 1943–44, **1:** 329–37.—**Taylor, S.** Neurotics in the forces. Lancet, Lond., 1940, **2:** 404.—**Ulio, J. A.** Rejection or discharge for psychiatric reasons. J. Am. M. Ass., 1943, **121:** 1095. Also Ment. Hyg., Alb., 1943, **27:** 491. **Vivian W. J.,** A brief survey of a group of discharged neuropsychiatric patients. U. S. Veterans Bur. M. Bull., 1929, **5:** 429–31.

—— Occupational adjustment.

See also subheading (Rehabilitation)

Brown, M. The adjustment of the nervous veteran in industry. 52p. 23cm. Chic., 1945.

Griffin, J. D., & Henderson, M. F. A study on the post-discharge adjustment of psychoneurotic soldiers. 5p. 28cm. Ottawa [?] 1944 [?]

Forms No. C–6071, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Eisenson, J. A program for the readjustment of psychoneurotic soldiers through job training. J. Clin. Psychol., 1945, **1:** 113–7.—**Griffin, J. D., Henderson, M. F.,** & **Ross, W. D.** A study on the post-discharge adjustment of psychoneurotic soldiers. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 5, C. 6111, 1–6.—**Sprol, S. J.** The occupational adjustment of the psychoneurotic veteran. J. Clin. Psychol., 1948, **4:** 264–9.—**Stellner, H. A.** Occupational adjustment of psychoneurotic veterans. J. Indiana M. Ass., 1947, **40:** 525–7.

—— Rehabilitation.

Guttmann, E., & Thomas, E. L. A report on the re-adjustment in civil life of soldiers discharged from the Army on account of neurosis. 70p. 24½cm. Lond., 1946.

Forms No. 93, Rep. Pub. Health, Lond.

United States. Veterans Administration. Technical bulletin TB 10A–14: Corrective physical rehabilitation in neuropsychiatric hospitals. 3p. 27cm. Wash., 1946.

—— VA Pamphlet 10–29: Rehabilitation of the chronic neurologic patient. 50p. 26cm. Wash., 1949.

United States. War Department. Technical bulletin TB MED 80: Reconditioning program for neuropsychiatric patients. 11p. 26cm. Wash., 1944.

Alter, S. M. A new approach to the rehabilitation of patients suffering from war neurosis. Med. Rec., N. Y., 1944, **157:** 420–2.—**Anderson, R. A.** Rehabilitation of NP patients. Hosp. Corps Q., 1945, **18:** No. 9, 46.—**Barton, W. E.** Reconditioning of neuropsychiatric patients. Bull. Menninger Clin., 1944, **8:** 138–40.—**Cotton, H. A.,** jr. Reconditioning neuropsychiatric patients in the Army. Mil. Surgeon, 1945, **97:** 450–5.—**Farrar, C. B.** Rehabilitation in nervous and mental cases among ex-soldiers. Canad. J. Occup. Ther., 1940, **7:** 17–25.—**Forbes, H. S.** The rehabilitation of neuropsychiatric cases at a Royal Naval auxiliary hospital. J. R. Nav. M. Serv., 1944, **30:** 206–14.—**Goddard, E. S.** Résumé of results at Westminster Hospital in the treatment and rehabilitation of neuropsychiatric cases. Treatm. Serv. Bull., Ottawa, 1948, **3:** No. 3, 5–12.—**Hadden, S. B.** Rehabilitation of the returning psychoneurotic service man. Dis. Nerv. Syst., 1945, **6:** 315–8. Also Pittsburgh M. Bull., 1945, **34:** 393; 413.—**Humm, D. G.** Returning servicemen; war-damaged nerves. Personnel J., 1944–45, **23:** 171–5.—**Jones, M.** Rehabilitation of Forces neurosis patients to civilian life. Brit. M. J., 1946, **1:** 533–5.—**Knudson, A. B. C.** Physical medicine in the rehabilitation of patients with war neuroses. Arch. Phys. M., 1945, **26:** 336–48.—**Lynn, J. G.,** & **Hirning, L. C.** Give neurotic veterans a chance to rehabilitate themselves. Westchester M. Bull., 1945, **13:** No. 2, 5–8.—**McCarthy, C. M.** The rehabilitation of war neurotics. Med. J. Australia, 1946, **1:** 910–2.—**Maclay, W. S.** Neurotic disabilities in a total war; the rehabilitation of patients with neuroses. Arch. Neur. Psychiat., Chic., 1944, **51:** 580.—**Maeder, L. M. A.** Rehabilitation of psychoneurotic service men and their psychologic adjustment to civilian life. Philadelphia M., 1944–45, **40:** 547, &c.—**Melekhov, D. E.** Rehabilitation of psychoneurotic World War II patients in U. S. S. R. Occup. Ther. Rehabil., 1947, **26:** 388–93.—**Michaels, J. J.,** & **Milton, E. O.** Group psychotherapy for neuropsychiatric patients being discharged from the Army. Occup. Med., 1946, **1:** 60–74.—**Morse, H. T.** The education and counseling of returned service personnel. Proc. Minnesota Acad. Sc., 1944, **12:** 11–5.—**Neurosis** after war service; rehabilitation and resettlement. Brit. M. J., 1944, **1:** 292.—**Neurotic** (The) ex-soldier. Lancet, Lond., 1943, **1:** 177; 253; 477.—**Owen, J. W., Hughes, J.** [et al.] Neuropsychiatric rehabilitation. U. S. Nav. M. Bull., 1946, Suppl., 322–31.—**Rennie, T. A. C.** Experiments in the rehabilitation of discharged service men. J. Nerv. Ment. Dis., 1944, **99:** 968–72. Also Arch. Neur. Psychiat., Chic., 1944, **52:** [Discussion] 244.—**Rickles, N. K.** Military mental conservation and rehabilitation. Northwest M., 1943, **42:** 158–60.—**Sands, I. J.** Principles of rehabilitation of neuropsychiatric veterans. Dis. Nerv. Syst., 1947, **8:** 275–83.—**Sielke, E. L.** Neuropsychiatric rehabilitation of service men and women. Ment. Health Bull., Danville, 1944–45, **22:** No. 4, 9–15.—**Snow, H. B.** Psychiatric procedure in the Rehabilitation Center, Second Service Command. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25:** 258–70.—**Solomon, A. P.** Hostile dependent behavior in rehabilitation of veterans with psychoneuroses and of the industrially injured with a psychologically protracted convalescence. Indust. M., 1946, **15:** 307–11. Also Indust. Nurs., 1947, **6:** No. 10, 9–14.—**Spearman, H. L.** The rehabilitation of war neurotics. Med. J. Australia, 1946, **1:** 926.—**Werner, K. C.** NP rehabilitation. Hosp. Corps Q., 1945, **18:** No. 9, 35.—**Willis, H. H.** The rehabilitation of war neurotics. Med. J. Australia, 1946, **1:** 912–5.—**Windholz, E.** Observations on psychiatric rehabilitation of veterans. Bull. Menninger Clin., 1945, **9:** 121–33.

—— Responsibility.

Schneider, C. The legal responsibility of the neurotics. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 318–21.

—— Use in the Armed Forces.

Gordon, A. The problems of neurotics in military service; some recommendations. Med. Rec., N. Y., 1918, **93:** 234–7.—**Needles, W.** The successful neurotic soldier. Bull. U. S. Army M. Dep., 1945, **4:** 673–82.—**Robbins, L. L.** The mental hygiene unit; a practical approach to the utilization of the mild psychoneurotic in the Armed Forces. Proc. Ass. Res. Nerv Ment. Dis. (1944) 1946, **25:** 78–86.

—— Veteran.

See also other subheadings.

Rennie, T. A. C., & Woodward, L. E. When he comes back, and, If he comes back nervous; with guide. 32p. 20cm. N. Y., 1944.

Baird, J. H. Neuropsychiatric problems of the Veterans Administration. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25:** 285–91.—**Benton, G. H.** Some evidences of inadaptability in ex-service psycho-neurotics. South. M. J., 1922, **15:** 992–1000.—**Davis, C. N.** Why neurotics: veteran problem. Pennsylvania M. J., 1945–46, **49:** 1208–13.—**Doering, J. A.** The nervous veteran. Delaware M. J., 1946, **18:** 117–20.—**Hastings, D. W.** Care of veterans. In: Teach. Psychother. M., N. Y., 1947, 365–75.—**Ling, T. M.** The neurotic ex-soldier. Lancet, Lond., 1943, **1:** 348.—**Pratt, D.** Persistence of symptoms in the psychoneurotic ex-soldier. J. Nerv. Ment. Dis., 1945, **101:** 322–9. —— Reemployment of the psychoneurotic ex-soldier. Psychiatry, Balt., 1945. **8:** 3–8.—**Roemer, E. P.** The management of the neurotic veteran. Wisconsin M. J., 1947, **46:** 895–7.—**Rosenbliett, S.,** & **Pisetsky, J. E.** The psychoneurotic veteran. Dis. Nerv. Syst., 1946, **7:** 165–70.—**Valenstein, A. F.** Problems in the treatment of the neurotic veteran. J. Nerv. Ment. Dis., 1948, **108:** 211–6.

—— in war.

See also **War neurosis.**

Nervous (The) temperament in war. Brit. M. J., 1918, **1:** 649.—**Plesset, M. R.** Psychoneurotics in combat. Am. J. Psychiat., 1946–47, **103:** 87–90.—**Pratt, D.,** & **Neustadter, A.** Combat record of psychoneurotic patients. Bull. U. S. Army M. Dep., 1947, **7:** 809–11.

NEUROTIC casualty.

See under **Neuropsychiatric casualty.**

NEUROTICISM.

See under **Militarism.**

NEUROTROPIC virus.

See under **Nervous system,** Disease: Virosis; **Virus;** also under specific names of virus infections.

NEUTRALITY.

See also **Land warfare; Law; National defense.**

Des Gouttes, P., & Julliot, C. L. Recueil de documents sur la neutralisation des aéronefs sanitaires. 89p. 24cm. Genève, 1925.

United States. Information Service. National defense and neutrality; proclamations, executive orders, military orders and presidential administrative orders, regulations and letters, July 1, 1939 to July 1, 1941. 41p. 26½cm. Wash., 1941.

—— [The same] ... Supplement. 22p. 26½cm. Wash., 1942.

Lafay, B. La neutralisation du personnel sanitaire en temps de guerre. Presse méd., 1948, **56:** 503.—**Manganaro, C.** Il distintivo di neutralità nella guerra odierna. Gior. med. mil., 1942, **90:** 401–15.—**Ulloa, A.** La neutralidad en el estado actual del derecho internacional. Proc. Am. Sc. Congr. (1940) 1943, 8. Congr., **10:** 187–214.

NEUTRON physics.

See under **Atomic energy.**

NEWBORN.

See also **Dependent,** Emergency maternity and infant care.

Cameron, S. A. Apparently stillborn infants revived by intracardiac injections of epinephrine. Mil. Surgeon, 1934, **74:** 140–2.—**Care** of the newborn. Med. Bull. U. S. First Army, 1948, **3:** No. 3, 12–5.—**Care** of the newborn baby. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 8, 2–4.—**Jubb, R. M.** Nursing care of the new-born. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **3:** 35–9.—**Rosenberger, F.** Nursing aspects of the rooming-in plan. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 3, 15–7.

—— in wartime.

Antonov, A. N. Children born during the siege of Leningrad in 1942. J. Pediat., S. Louis, 1947, **30:** 250–9.—**British** (The) 1914–18 war babies. Med. Rec., N. Y., 1942, **155:** 2.—**Itō, S.** Konzi taisen no sinsanzi ni oyoboseru eikyō no tōkei-teki kansatu [Statistical observations of the effect of the recent great war on newborn children] Hukuoka acta med., 1948, **39:** 103.

NEW Caledonia.

See under **World War II.**

NEW Caledonia Expedition [1878–79]

See under **Wars and campaigns.**

NEWCASTLE disease.

See also **Epizootic.**

Newcastle disease. Med. Bull. U. S. First Army, 1949, **4:** No. 9, 24–6. Also Month. Health Rep. Mil. Distr. Washington, 1949, **2:** No. 7, 13.

NEWFOUNDLAND.

See under **World War II.**

NEW Georgia.

See under **World War II.**

NEW Guinea.

See under **World War II.**

NEW Hebrides.

See under **World War II.**

NEWPORT program.

See under **Neuropsychiatric examination**—by countries: United States—Navy.

NEW York.

See under **World War II.**

NEW Zealand.

For reference material on this country see under the following headings in the Military Section: **Air Force Medical Service; Dental Corps; Hospital report; Medical care**—by Armed Forces; **Medical Corps; Recruiting; Rehabilitation; Venereal disease; World War II.**

NICARAGUA.

See under **Wars and campaigns** (1928) also **World War II.**

NICOTINE.

See also **Tobacco.**

Lepel. Chronischer Nicotinmissbrauch und Wehrdienstfähigkeit. Deut. Militärarzt, 1938, **3:** 524–7.—**Pote, H. H.** Hyperergy to nicotine. U. S. Nav. M. Bull., 1947, **47:** 337.—**Weselmann.** Ueber Nikotinschäden am Magen. Veröff. Marine San., 1942, H. 34, 203–11.

NICOTINIC acid.

See also **Vitamin.**

Williams, W. L. Yeast microbiological method for determination of nicotinic acid. 12p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X–704, U. S. Nav. M. Res. Inst.

NIGHT blindness.

See also **Night vision.**

Rowland, W. M., & Rowland, L. S. Studies of a number of men reporting difficulty in night operations. 13p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 251, U. S. Air Force School Aviat. M.

A., W. C. Night blindness in soldiers; a sign of psychoneurosis rather than of avitaminosis. Am. J. Digest. Dis., 1942, **9:** 114.—**Barrett, J. W.** Night blindness in soldiers. Brit. J. Ophth., 1942, **26:** 282.—**Caccamise, W. C.** Congenital nonprogressive night blindness. Bull. U. S. Army M. Dep., 1949, **9:** 920–8. ——— Oguchi's disease. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** 10.—**Grebe, H.** Zur Frage der Feldtauglichkeit bei Nachtblindheit. Deut. Militärarzt, 1940, **5:** 456.—**Heinsius, E.** Die verschiedenen Arten der Nachtblindheit und ihre praktische Bedeutung im Kriege. Ibid., 449–56.—**Hinn, G. J., & Montano, R. A.** A case of night blindness. Air Surgeon Bull., 1945, **2:** 287.—**Krajewski, F.** Kurza ślepota w wojsku. Lek. wojsk., 1933, **21:** 397–402.—**Lancelin, R.** L'héméralopie dans la Marine. Presse méd., 1944, **52:** 93.—**Milano, A.** Relazione sulle forme di avitaminosi riscontrate nelle forze armate operanti nel settore litorale del fronte greco-albanese, con speciale riguardo all'emeralopia. Rinasc. med., 1942, **19:** 407.—**Muffang, G. E. P. H.** Nyctalopie et art militaire. Rev. Corps san. mil., Par., 1946, **2:** 389–96.—**Parker, F. W.,** jr. Studies on dark adaptation in military personnel complaining of night blindness. Arch. Ophth., Chic., 1946, **35:** 555–71.—**Pillat, A.** Gibt es eine Kriegshemeralopie? Münch. med. Wschr., 1940, **87:** 225–9.—**Rees, W. L.** Night visual capacity of neurotic soldiers. J. Neur. Psychiat., Lond., 1945, **8:** 34–9.—**Rowland, W. M., & Sloan, L. L.** Night blindness in flying personnel; observations on patients studied at the AAF School of Aviation Medicine. J. Aviat. M., 1945, **16:** 49–58.—**Seyda, B.** Zagadnienie kurzej ślepoty w wojsku. Lek. wojsk., 1949, **25:** 225–36.—**Vishnevsky, N.** Kurinaja slepota (hemeralopia) In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 291–6.—**Vom Hofe.** Ueber Nachtblindheit und andere Lichtssinnstörungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 31. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 31. ——— & **Glees, M.** Die Beurteilung der Hemeralopie bei Kriegsteilnehmern. Klin. Mbl. Augenh., 1940, **104:** 369–76.—**Wosika, P. H.** Night blindness of war. War Med., Chic., 1943, **4:** 331–44.

—— Diagnosis.

See also **Night vision,** Test.

Harman, N. B. Shamming night-blindness. In: War Med. Sympos. (Pugh, W. S.) N. Y., 1942, 531–3.—**Young, M. N.** Determination of qualitative night blindness. Bull. U. S. Army M. Dep., 1947, **7:** 405.

—— Treatment.

See also **Vitamin deficiency.**

Gusev, M. I. Opyt rabot po preduprežděniju zabolevanij kurinoj slepotoj v vojskakh. Voen. med. J., Moskva, 1946, No. 3, 30–4.—**Knapp, A. A.** Night blindness, improvement with vitamin D; including the experimental production of retinitis pigmentosa and its treatment in humans with vitamin D. U. S. Nav. M. Bull., 1943, **41**: 373–7.

NIGHT vision.

See also **Night blindness.**

Great Britain. Air Ministry. A. M. pamphlet 129: Notes on night vision. 4 l. 23½cm. Lond., 1941.

Forms F. P. R. C. No. 386, Gr. Britain Flying Pers. Res. Com.

Great Britain. Flying Personnel Research Committee. Night-Vision Sub-Committee. Minutes of the meeting. Lond., 1., 1941–

Forms Nos. of the Committee's F. P. R. C. reports.

Liljencrantz, E. L. Dark adaptation study, U. S. S. Enterprise; preliminary report. 13 l. 27cm. Lond., 1941.

Forms F. P. R. C. No. 314, Gr. Britain Flying Pers. Res. Com. Also Forms Rep. No. 8, Com. Aviat. M. U. S. Nat. Res. Counc.

Rowland, W. M. Aspects of night visual efficiency. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 106, U. S. Air Force School Aviat. M.

—— Night vision; a review of investigations at the AAF School of Aviation Medicine. 6p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 399, U. S. Air Force School Aviat. M.

United States. Army. Field Artillery School. Night vision studies; preliminary report. 120p. 27cm. Fort Sill, 1944.

Bean, W. B. Night vision. Annual Rep. Armored M. Res. Laborat., 1946, App. D, No. 3, 12.—**Heinsius, E.** Ueber das Sehen bei Nacht. Deut. Militärarzt, 1943, **8**: 451–7.—**Kafka, M. M.** The eyes of pilots in night combat. Med. Rec., N. Y., 1945, **158**: 357.—**Lister, A., & Bishop, J. W.** Night vision in the Army, report of 10,333 tests. Brit. M. J., 1943, **2**: 325–7.—**Matthews, B. H. C.** Night Vision Sub-Committee report. Gr. Britain Flying Pers. Res. Com., 1941, No. 366, 7.—**Night vision.** In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25-0-1, Sect. 8, No. 12, 1–5.—**Peckham, R. H.** Night vision for military personnel. Am. J. Ophth., 1947, **30**: 1588.—**Rycroft, B. W.** Night vision in the Army. Brit. M. J., 1942, **2**: 576.

—— Acuity.

See also **Vision.**

Low, F. N. Studies and investigations in connection with a test for peripheral visual acuity; the night visual acuity of 100 normal night seers. 9p. 28cm. Wash., 1945.

Forms Rep. No. 409, Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Armored Medical Research Laboratory. Project No. 7: Night vision from tanks; report on Sub-Project No. 7–8, comparison and evaluation of field and laboratory methods of measuring night visual acuity. v. p. 28cm. Fort Knox, 1944.

Beuningen, v. Dark adaptation and acuity of night vision. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 52–7.

—— Aids.

Clark, W. B., & Johnson, M. L. The course of dark adaptation after wearing orange dark adaptor goggles. 13 l. 26½cm. Pensacola, 1945.

Forms Rep. No. 1, Proj. No. X–439, Res. Rep. U. S. Nav. School Aviat. M.

Great Britain. Flying Personnel Research Committee. F. P. R. C. No. 304 (b) The effect of glucose on night vision in anoxic subjects. 3 l. 23½cm. Lond., 1941.

Keil, F. C., jr. Use of red light to facilitate dark adaptation. 2p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 118, U. S. Air Force School Aviat. M.

Lee, R. H., Pijoan, M. [et al.] Periodic fluctuations and threshold levels in dark adaptation and the effects produced by paredrine, oxygen, carbon dioxide, and ascorbic acid. 11p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X–211, U. S. Nav. M. Res. Inst.

Rose, H. W., & Schmidt, I. The effect of xipoid retinale on night vision. 6 l. 27cm. Heidelb., 1946.

Forms No. U5–46–11, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Studnitz, G., & Lange, V. Ueber die Beeinflussbarkeit der menschlichen Dunkeladaptation durch verschiedene Pharmaka. 11p. 30cm. Berl., 1943.

Forms M. Dv. No. 695/1, Marine Druckvorschr.

United States. Armored Medical Research Laboratory. Project No. 7: Night vision from tanks. 7 pts. 28cm. Fort Knox, 1942–44.

CONTENTS

No. 7–1. Determination of the lighting requirements for various tasks of tank crews. v. p. 1943.

No. 7–2, a. Partial report on the use of red light for maintaining dark adaptation in tanks; determination of the type of illumination least disturbing to dark adaptation in tanks. 8p. 1942.

No. 7–2, b. Determination of intensity, distribution and type of illumination in tanks least disturbing to dark adaptation; interior lighting of M4 tanks. v. p. 1943.

No. 7–3, a. Investigation of methods of improving night vision in tank crews by the use of eye appliances. 8p. 1942.

b. Investigation of methods of improving night vision in tank crews by the use of eye appliances; interior lighting of M4 tanks. v. p. 1943.

No. 7–5. Establishment of criteria and methods for the selection of crews for night operations; a program for the improvement of the night-seeing-ability of ground troops. v. p. 1944.

No. 7–8. Comparison and evaluation of field and laboratory methods of measuring night visual acuity. v. p. 1944.

Ditchburn. The effect of some dietary factors on night vision. Gr. Britain Flying Pers. Res. Com., 1943, No. 554, 4.—**German** claim regarding effects of helenien on night vision. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, Mar., 9.—**Illumination** for dark adaptation. Minutes Subcom. Color Vision U. S. Armed Forces Vision Com., 1948, 1. meet., 10.—**Kekcheev, K. K.** Methods of accelerating dark adaptation and improving night vision. War Med., Chic., 1945, **8**: 209–20.—**Periodic** fluctuations and threshold levels in dark adaptation and the effects produced by paredrine, oxygen, carbon dioxide, and ascorbic acid. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 17.

—— Effect of various factors.

See also **Aircraft,** Illumination; **Altitude,** Eye and vision; **Carbon monoxide,** Effect.

Gilson, Goldie & Pochin. Effects of flash from 303 and 20 mm. cannon ammunition on night vision. 2 l. 23½cm. Lond., 1941.

Forms F. P. R. C. 304 (a) Gr. Britain Flying Pers. Res. Com.

Hartline, H. K. Instrument lighting in aircraft and military vehicles; its effect on night vision of personnel. 9p. 28cm. Wash., 1942.

Forms Rep. No. 83, Com. Aviat. M. U. S. Nat. Res. Counc.

Hecht, S., Hendley, C. D. [et al.] Influence of exposure to intense sunlight on subsequent night vision. 26 l. 27cm. Camp Lejeune, 1945.

Forms Res. Proj. X–442, U. S. Nav. M. Field Res. Laborat.

Lee, R. H. Determination of effect on dark adaptation of varying intensities of illumination in ready rooms. 8 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–162, U. S. Nav. M. Res. Inst.

—— Comparison of rates of dark adaptation under red illumination and in total darkness. 15p. 26½cm. Bethesda, 1943.

Forms Res. Proj. X–218, U. S. Nav. M. Res. Inst.

—— Effect of short exposures to radiation from a landing signal officer's lamp on dark adaptation. 4p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X-548, U. S. Nav. M. Res. Inst.

—— Fisher, M. B., & Birren, J. E. Determination of effect on dark adaptation of varying intensities of illumination in ready rooms; newly discovered fluctuations of periodic nature occurring in dark adaptation thresholds [6] l. 26½cm. Bethesda, 1943.
Forms Rep. No. 2, Res. Proj. X-162, U. S. Nav. M. Res. Inst.
Also Forms Rep. No. 200, Com. Aviat. M. U. S. Nat. Res. Counc.

Livingston, P. C. The influence upon night vision of artificial dilatation of the pupil. 9 l. 23½cm. Lond., 1941 [?]
Forms F. P. R. C. No. 369, Gr. Britain Flying Pers. Res. Com.

MacMartin, L. S., & Dimmick, F. L. Mapping the central scotoma of the dark adapted retina; comparison of a moving stimulus with a stationary presentation. l. 94–112. 27½cm. N. Lond., 1949.
Forms Proj. NM 003 041 09 02 (or, No. 150, v. 8) Rep. U. S. Nav. M. Res. Laborat.

Matthews, B. H. C., & Luczak, A. K. Some factors influencing dark adaptation. 6 l. 25½cm. Lond., 1944.
Forms F. P. R. C. No. 577, Gr. Brit. Flying Pers. Res. Com.

Mitchell, R. T. The effect of low color temperature illumination and red illumination upon subsequent dark adaptation. l. 27–38. 27½cm. N. Lond., 1949.
Forms Rep. No. 2, Proj. NM 003 008, U. S. Nav. M. Res. Laborat.

Patterson, J. L., Burt, A. S., & Jones, M. J. The effect upon scotopic vision of circulatory changes induced by nitroglycerine and change in body position. 23 l. 27cm. Pensacola, 1946.
Forms Rep. No. 1, Proj. No. 541, Res. Rep. U. S. Nav. School Aviat. M.

Rose, H. W., & Schmidt, I. Factors affecting dark adaptation. 11 l. 27cm. Heidelb., 1946.
Forms No. U 12-46-25, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Rowland, L. S. Night visual efficiency in illuminations above the level of the cone threshold. 13p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 258, U. S. Air Force School Aviat. M.

Scobee, R. G., & Rowland, W. M. Demon dazzle in night vision [Film strip and lecture] 7p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 377, U. S. Air Force School Aviat. M.

Sheard, C. Effects of increased intrapulmonary pressure on dark adaptation [1] l. 28cm. Wash., 1945.
Forms Rep. No. 449, Com. Aviat. M. U. S. Nat. Res. Counc.

Weinbach, A. P. Report on the influence of brightness of red and white preadapting lights on the course of dark adaptation for various colors of test fields and tests of specific goggles submitted by the Medical Research Section, Bureau of Aeronautics. 15p. 28cm. Wash., 1942.
Forms Rep. No. 46, Com. Aviat. M. U. S. Nat. Res. Counc.

Dark adaptation of vision and state of nutrition. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, June, 5.—**Ditchburn.** The effect of muscular inactivity on dark adaptation. Gr. Britain Flying Pers. Res. Com., 1943, No. 560, 4.—**Effect** (The) on dark adaptation of the fluorescent material of oxygen flow indicator. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 38.—**Effect** of short exposures to radiation from a landing signal officer's lamp on dark adaptation. Ibid., 35.—**Henschke, U.** [et al.] Interference of monochromatic light with vision in the dark. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 42.—**P., R. H.** Deleterious effect of sunlight on night vision. Bumed News Lett., Wash., 1944, 4: No. 11, 1–4.—**Podškubka, B.** Noční vidění; vztah nočního vidění k některým trvale působícím faktorům. Voj. zdrav. listy, 1949, 18: 331–6.—**Rose, H. W., & Schmidt, I.** Factors affecting dark adaptation. J. Aviat. M., 1947, 18: 218–30.—**Sheard, C.** Effects of increased intrapulmonary pressure on dark adaptation. Ibid., 1946, 17: 526–32.

—— Physiology.

Keil, F. C. Pupillary size in relation to dark adaptation [3] l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 16, U. S. Air Force School Aviat. M.

Rowland, L. S., & Rowland, W. M. Individual differences in the region of maximal acuity in scotopic vision; applications to night vision testing and training. 17p. 27cm. Randolph Field, 1945.
Forms Rep. No. 2, Proj. No. 220, U. S. Air Force School Aviat. M.

United States. Naval Medical Research Institute. A method of curve fitting applicable to dark adaptation and similar data containing periodic fluctuations about a smooth curve. 5p. 27cm. Bethesda, 1944.
Forms Rep. No. I, Res. Project X-211, U. S. Nav. M. Res. Inst.

Chapanis, A. Night vision; a review of general principles. Air Surgeon Bull., 1945, 2: 279–84.—**Heinsius.** Concerning night vision. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 32.—**Hill, B.** Statistical studies of night visual capacity as measured by the rotating hexagon. Gr. Britain Flying Pers. Res. Com., 1943, No. 554, 3.—**Janas, T.** O adaptacji nocnej. Lek. wojsk., 1945, 36: 41–52.—**Lebedinsky, A. V., Zagorulko, L. T., & Turcaev, J. P.** Nekotorye voprosy fiziologii zrenija v svjazi s uslovijami nočnykh dejstvij vojsk. Voen. med. J., Moskva, 1932, 3: 371–83.—**Matthews.** Statistical studies of night visual capacity as measured by the rotating hexagon. Gr. Britain Flying Pers. Res. Com., 1944, No. 564, 7.—**Miles, W. R.** Visual adaptation and night vision. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 51–62, illust.—**Night** vision; nocto-vision hormone. Rep. Air. Techn. Intellig. S. S., Tokyo, 1945, No. 166, 1–12.

—— Protection.

Peckham, R. H. Protection and maintenance of night vision for military personnel. Arch. Ophth., Chic., 1947, 38: 569–71.—**Research** on visual problems incountered in naval operations. J. Canad. M. Serv., 1945–46, 3: 314–22.

—— Test.

See also **Night blindness,** Diagnosis; **Night-vision tester.**

Carbono Espejo, C. A. *Test de visión escotópica en afecciones neuro-quirúrgicas [Chile] 75p. 27cm. Santiago, 1946.

Ross, S. An investigation of the effect of varying the test distance upon RPA scores. 2 Nos. 11, 15 l. 27cm. Camp Lejeune, 1945.
Forms Rep. No. 1 & 2, Res. Proj. X-472, U. S. Nav. M. Field Res. Laborat.

—— Mueller, C. G., & Richmond, P. N. [The same] 8 l. 27½cm. Camp Lejeune, 1945.
Forms Rep. No. 4 of preceding project.

Tuttle, M. J., & Smith, W. J. W. Night vision testing; Canadian Army overseas. 9p. 28cm. Ottawa [?] 1944 [?]
Forms No. C-6087, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Verplanck, W. S., jr. Night vision testing of members of the crew of the U. S. S. New Jersey. 8p. 27cm. N. Lond., 1943.
Forms Proj. X-167, U. S. Nav. M. Res. Laborat.

Ansitu setubi-yō maku no sisaku ni tuite [Trial manufacture of curtains to be used in dark-rooms] Gun idan zassi, 1928, No. 175, 74–6, pl.—**Craik.** Comparison of some dark adaptation tests. Gr. Britain Flying Pers. Res. Com., 1943, No. 560, 3.—**Dimmick, F. L.** A study of dark adaptation with particular reference to method for testing night vision. Minutes Armed Forces Vision Com., 1948, 21. meet., 59–63, 3 ch.—**McDonald, P. R.** Testing of night vision. Proc. Mil. Ophth. Meet., 1945, 74–80.—**Matthews.** Hexagon test. Gr. Britain Flying Pers. Res. Com., 1943, No. 537, 5.—**Night** vision tests on wired goggles (non-fogging) Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 32.—**Rowland, W. M., & Mandelbaum, J.** Testing night vision. Air Surgeon Bull., 1944, 1: No. 8, 14.—**Schlichting, H.** Die objektive Feststellung des

Dunkelanpassungsvermögens zur Erkennung falscher Angaben. Deut. Militärarzt, 1944, 9: 334–8.—**Shilling, C. W., & Kohl, J. W.** Night vision testing and research. In: Hist. Submar. Med. (Stulling, C. W.) New Lond., 1947, 266–84.—**Tuttle, M. J.** Estimation and control of light levels used for night vision testing; CDN army overseas. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 5, C. 6110, 1–7, 4 fig.

—— Training.

Hill, A. B., & Williams, G. O. The measurement of improvement in night vision as a result of training. 1 l. 16½cm. Lond., 1944.

Forms F. P. R. C. No. 568, Gr. Brit. Flying Pers. Res. Com.

Ross, S., & Mueller, C. G. The effect of night vision training on R. P. A. test failure rate. 11 l. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X–582, U. S. Nav. M. Field Res. Laborat.

Schachter, S. Night vision trainer. 11p. 27cm. Dayton, 1945.

Forms No. TSEAL–3C–695–48A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Goldie. Night vision trainers. Gr. Britain Flying Pers. Res. Com., 1942, No. 434, 1.—**Hill, B.** The measurement of improvement in night vision as a result of training. Ibid., 1944, No. 576, 1.—**Macgown, J. C.** Night vision training and night vision in operational flying. In: Interallied Conf. War Med. (1942–45) 1947, 405–7.—**Night** vision training. Gr. Britain Flying Pers. Res. Com., 1940–45, 8.—**Night** vision training and testing. J. Canad. M. Serv., 1945–46, 3: 415–7.—**R. C. A. F.** night vision trainers. Ibid., 1946–47, 4: 45–54.—**Rostenberg, L. O.** Combat importance of night vision training. Mil. Rev., Fort Leavenw., 1944, 24: No. 7, 30–6.—**Sulzman, J.** Night vision [program] at Camp Bradford. Minutes Army Navy Vision Com., 1945, 9. meet., 9–15.—**Voelkel.** About the possibilities to practise night vision. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 360–2.—**Wedell, C.** A shipboard night vision trainer. Minutes Army Navy Vision Com., 1944, 6. meet., 30–5.

NIGHT-VISION tester.

See also **Night vision,** Test.

Chapanis, A., & Rouse, R. O. A German dark adaptometer. 8 l. 27cm. Dayton, 1945.

Forms No. TSEAL–3–695–48K, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Cipriani, A. J. Photoelectric calibrator for use with the Burr night vision tester. 3p. 28cm. Ottawa, 1944.

Forms No. C–6078, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Draeger, R. H., Lee, R. H., & Fisher, M. B. Design, construction and preliminary evaluation of a portable, multiple brightness radium plaque adaptometer. 16p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–311, U. S. Nav. M. Res. Inst.

Keil, F. C., jr. The comparison of the Hecht adaptometer and the Miles illuminous disc adaptometer. 20 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 17, U. S. Air Force School Aviat. M.

Korb, J. H. Development of diaphragm shutter scotometer. 4p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–529, U. S. Nav. M. Res. Inst.

Lee, R. H., & Draeger, R. H. Design of a semiautomatic night vision scotometer. 10p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. X–467, U. S. Nav. M. Res. Inst.

Lee, R. H., & Fisher, M. B. Evaluation of the modified Rostenberg adaptometer. 8p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–466, U. S. Nav. M. Res. Inst.

McDonald, P. R. The reliability of the AAF Night Vision Tester [5]p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 199, U. S. Air Force School Aviat. M.

Mandelbaum, J., & Rowland, W. M. A photometer for calibrating the AAF Eastman Night Vision Tester. 5p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 262, U. S. Air Force School Aviat. M.

Ripple, P. H. Appraisal of the consolidated night vision tester. 6p. 26cm. Randolph Field, 1949.

Forms Proj. No. 21–02–088, U. S. Air Force School Aviat. M.
Also Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 16; Oct., 5.

Rowland, W. M. The SAM Portable Night Vision Tester [3] l. 27cm. Randolph Field, 1944.

Forms Rep. No. 4, Proj. No. 69, U. S. Air Force School Aviat. M.

—— & Hemingway, A. German night vision tester [5] l. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 368, U. S. Air Force School Aviat. M.

Rowland, W. M., & Mandelbaum, J. A comparison of night vision testers. 13p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 213, U. S. Air Force School Aviat. M.

Cheshire. Admiralty adaptometer. Gr. Britain Flying Pers. Res. Com., 1942, No. 448, 3.—**Evaluation** of the modified Rostenberg adaptometer. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 27.—**Hamburger, F. A.** Comparable experiments with different instruments for testing night vision. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 235–7.—**Rose, H. W.** Development of an improved night vision tester. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 17. ——— Development of a bright adaptation device for use with different night vision testers. Ibid., 18.—**Snell, C. F.** Report on use of the instoscope as an objective test for night vision. Flight Surgeon Topics, 1939, 3: 163.

NILE blue.

See also **Therapeutics:** Chemotherapy.

Stormont, R. T., Williams, H. L., & Mobily, S. E. An evaluation of Nile blue A as a chemotherapeutic agent. 6p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X–656, U. S. Nav. M. Res. Inst.

Also Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 30.

NITRIC acid [and salts]

See also **Nitrous fume.**

Gray, G. A. A death due to nitric acid poisoning. U. S. Nav. M. Bull., 1921, 15: 133.—**Volfovskaja, R. N., & Truŝtalevskaja, L. M.** Gruppovoe peroralnoe otravlenie azotistokislym natrom. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 179–81.—**Walker, J.** War experiences in the manufacture of nitric acid and the recovery of nitrous fumes. J. Chem. Soc., Lond., 1920, 382–9.

NITROCELLULOSE.

See under **Nitroglycerine.**

NITROFURAN.

Dillane, W. E., & Wrong, N. M. Preliminary report on results of treatment with a nitrofuran ointment sold under the trade name of furacin. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 8, 47–9.—**Snyder, M. L., & Kiehn, C. L.** Effectiveness of a nitrofuran in the treatment of infected wounds; preliminary report. Mil. Surgeon, 1945, 97: 380–4.

NITROGEN industry.

See under **War industry.**

NITROGEN metabolism.

See also **Protein.**

Burt, R. L., & Fallers, H. R., jr. Plasma amino nitrogen following surgery. 8p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 007 040, U. S. Nav. M. Res. Inst.

—— Retention of amino nitrogen in the plasma following surgery; further studies. 16p. 27cm. Bethesda, 1949.
Forms Rep. No. 3 of preceding project.

Scudamore, H. H., Morey, G. R. [et al.] Report of nitrogen balance in men consuming raw and heated dried egg white as supplemental sources of dietary protein. 8 l. 27cm. Chic., 1949.
Forms Rep. No. 50, U. S. Army M. Nutrit. Laborat.

Baldes, E. J., Boothby, W. M. [et al.] Use of the Lilly nitrogen meter in the nitrogen elimination. Sympos. Mil. Physiol., Wash., 1947, 133.—**Schenker, V., Weil, P. G.** [et al.] Studies on nitrogen metabolism. Proc. Com. Army M. Res. (Canada) 1945, 7. meet., 2: C-6176.—**Tanaka, H.** [Influence of low atmospheric pressure on nitrogen metabolism.] Bull. Nav. M. Ass. Tokyo, 1935, 24: 490–503.

NITROGEN meter.

Beischer, D. E. Accuracy and limits of the Lilly-Anderson nitrogen meter. 9 l. 26½cm. Pensacola, 1948.
Forms Rep. No. 1, Proj. No. NM 001 036, Res. Rep. U. S. Nav. School Aviat. M.

—— A spectrophotometric method for the continuous quantitative analysis of nitrogen in gas mixtures. 27 l. 26½cm. Pensacola, 1948.
Forms Rep. No. 2 of the preceding project.

Hall, F. G., & Wilson, J. W. Analyzer of AAF K–2 Oxygen Testing Kit. 12 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–696–7L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

NITROGEN mustard.

See also **Mustard gas.**

Bodenstein, D., & Gillette, R. Specific developmental inhibitions produced in amphibian embryos by HN_2. 14p. 27cm. Edgewood Arsenal, 1946.
Forms Rep. No. 82, Med. Div. Chem. Warfare Serv. U. S. Army.

Goldin, A., Noe, H. A. [et al.] Some relationships of structure to biological activity in the nitrogen mustards and related compounds. 19p. 27cm. Army Chem. Center, 1949,
Forms Rep. No. 170, Med. Div. Chem. Corps U. S. Army.

Helm, J. D., jr., & Gilman, A. Z. Intravenous nitrogen mustard (HN_3) 12 l. 22cm. Edgewood Arsenal, 1944.
Forms Rep. No. 5, Med. Div. Chem. Warf. Serv. U. S. Army.

Landing, B., Goldin, A., & Noe, H. Testicular lesions in mice following parenteral administration of nitrogen mustards. 19p. 26½cm. Army Chem. Cent., 1949.
Forms Rep. No. 213, Med. Div. Chem. Corps U. S. Army.

Philips, F. S., Koelle, E. S. [et al.] The effect of HN_3 on water and electrolyte balance in dogs. 25 l. 22cm. Edgewood Arsenal, 1944.
Forms Rep. No. 4, Med. Div. Chem. Warf. Serv. U. S. Army.

Alpert, L. K., & Peterson, S. S. The use of nitrogen mustard in the treatment of lymphomata. Bull. U. S. Army M. Dep., 1947, 7: 187–94.—**Barondes, R. D., & Lyons, C.** Irradiating effect of methyl bis amine hydrochloride. Mil. Surgeon, 1949, 104: 138.—**Bauer, Lockwood** [et al.] Army general hospitals; clinical trials of nitrogen mustards; clinical trials with streptomycin. Bull. Chemother. (NRC) Wash., 1948, 17.—**Colarusso, A.** Tossici di guerra, medicine di pace. Diagnosi, Nap., 1949, 5: 297–308.—**Lange-Holm, A.** Kvaelstofsennepsgas, et krigsstof i fredens tjeneste. Med. forum, Kbh., 1949, 2: 91.—**Nitrogen** mustards. Spec. Ser. U. S. Mil. Intell. Serv., 1943, No. 16, 7–9.—**Nitrogen** mustards, clinical trial of. Res. Program U. S. Army M. Res. Bd, 1946, July, 63, Oct., 64; 1948, Jan., 84.—**Nitrogen** mustard (odorless) gases. Chem. Warf. Intellig. Bull., 1942, No. 2, 1.—**Stokes, J.,** jr. Nitrogen mustard project. Annual Rep. Com. Liver Dis. Army Epidem. Bd (1948) 1949, 6.

NITROGEN trichloride.

Syn: Agene.

Monahan, E. P., & Lalanne, G. G. Report of metabolism of dogs during agene toxicity. 4 l. 27cm. Chic., 1949.
Forms Rep. No. 49, U. S. Army M. Nutrit. Laborat.

Pollock, G. H. Report of the species specificity of agene toxicity. 7 l. 27cm. Chic., 1949.
Forms Rep. No. 46, U. S. Army M. Nutrit. Laborat.

Silver, M. L., Johnson, R. E. [et al.] Report of canine epilepsy caused by bleached (agenized) flour; white bread and epilepsy in animals. 15 l. 27cm. Chic., 1947.
Forms No. 33, Rep. M. Nutrit. Laborat. U. S. Army.

Silver, M. L., Klein, J. R., & Monahan, E. P. [The same] ... Role of amino acids. 8 l. 27cm. Chic., 1947.
Forms No. 31, Rep. M. Nutrit. Laborat. U. S. Army.

Silver, M. L., Monahan, E. P. [et al.] [The same] ... Electroencephalographic analysis. 13 l. 27cm. Chic., 1948.
Forms No. 35 of the preceding Rep.

Silver, M. L., Zevin, S. S. [et al.] [The same] ... Experimental method. 6 l. 27cm. Chic., 1947.
Forms No. 30 of the preceding Rep.

NITROGLYCERIN [& deriv.]

Desmond, A. M., & Fraser, P. K. Cordite fume poisoning. J. R. Nav. M. Serv., 1943, 29: 16–21.

NITROPHENOL [and derivatives]

Cypryński-Ciekawy, S., & Pawlowski, K. [Case of chronic icterus caused and sustained by picric acid] Lek. wojsk., 1926, 8: 231–7.—**Fiumel, A.** [Jaundice due to picric acid] Ibid., 1932, 19: 121-33.—**Keeser, E.** Vergiftungen durch Pikrinsäure, Trinitrophenol. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 29.—**Kubo, E.** Paranitrosophenol yori paranitrophenol no seisci ni tuite [Manufacture of paranitrophenol from paranitrosophenol] Gun idan zassi, 1938, 337–40.—**Nilsson, H.** A case of poisoning from working with explosives. Bull. War M., Lond., 1941–42, 2: 138 (Abstr.)—**Santillo, T.** L'acido picrico nella medicina antica e nella chirurgia. Gior. med. mil., 1938, 86: 394–403.

NITROTOLUENE.

See under **Trinitrotoluene.**

NITROUS fume.

See also **Nitric acid.**

Charleroy, D. K. Nitrous and nitric gas casualties. U. S. Nav. M. Bull., 1945, 44: 435–7.—**Ellis, F. P.** Nitrous fume poisoning; an insidious hazard of naval warfare. J. R. Nav. M. Serv., 1944, 30: 69–78.—**Essen, K. W.** Zur Klinik und Behandlung von Vergiftungen mit Nitrosegasen. Deut. Militärarzt, 1944, 9: 209–19.—**Fairlie, W. M.** [Poisoning by nitrous fumes] Militaerlaegen, 1921, 27: 93–6.—**Traitement** de l'intoxication par vapeurs nitreuses. Caducée, Par., 1909, 9: 317.

NITROUS oxide.

See also **Surgical technic,** Anesthetization.

Dadlez, J. [Effect of nitrogen oxides on the organism] Lek. wojsk., 1930, 16: 233–9.—**McKesson, E. I., & Clement, F. W.** Practical considerations of nitrous oxid-oxygen anesthesia. Mil. Surgeon, 1926, 58: 33–43.—**Moore, P. D.** Nitrous oxide-oxygen anesthesia. Med. Bull. Veterans Admin., 1932, 8: 469–76.—**Pflesser, G.** Die Bedeutung des Stickstoffmonoxyds bei der Vergiftung durch nitrose Gase. Veröff. Marine San., 1935, H. 26, 20–35.—**Threlkeld, G. W.** Gas anesthesia. U. S. Veterans Bur. M. Bull., 1930, 6: 874–6.

NOISE.

See also **Aircraft,** Noise; **Battle,** Noise; **Deafness; Ear, nose and throat,** Injury; **Hearing.**

Kipp, F. Hearing impairment caused by aircraft noise. 31 l. 27cm. Heidelb., 1946.
Forms No. U8–46–18, Transl. U. S. Air Force Aero M. Cent., Heidelb.

LEWIS, D. The effect of noise and vibration on certain psychomotor responses. 87p. 27½cm. Wash., 1943.
Forms No. 8, Rep. Div. Res. U. S. Civil Aeronaut. Admin.

OGDEN, F. W. Effect of gunfire noise upon auditory acuity for pure tones. 13p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 315, U. S. Air Force School Aviat. M.

SENTURIA, B. H. The effect of exposure to airplane noise on auditory acuity. 3 pts. 27cm. Randolph Field, 1943–44.
Forms Rep. No. 1-3, Proj. No. 205, U. S. Air Force School Aviat. M.

Bean, W. B. Noise and blast. Annual Rep. Armored M. Res. Laborat., 1946, App. D, No. 3. 14.—**Clinical** investigation of effects of exposure of service personnel to turbo-jet engine noise. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, 89.—**Effects** of noise. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 8, No. 6, 1–9.—**Flaiz, J. W., & Wolf, E. G.** The effect of noise on aviation personnel. Contact, Pensacola, 1943, 3: 160–7.—**Hoople, G. D., Wolfe, W. C., & Bregande, S. C.** Unrecognized battle noise trauma. Laryngoscope, 1947, 57: 125–36.—**Kulikovsky, G.** [Taking advantage of bone conduction in construction of sound boxes for high altitudes] Voen. san. delo, 1937, No. 4, 31–7.—**Littler, T. S.** Effect of noises of warfare on the ear. Nature, Lond., 1940, 146: 217–9.—**Meyrick, P. S.** Observations on the incidence of acoustic trauma in the training of infantrymen. J. Lar Otol., Lond., 1946, 61: 248–50.—**Noda, K.** Sōon ni yoru tyōki syōgai ni kan-suru tyōsa kenkyū [Study on trouble with the organs of hearing caused by noise] Bull. Nav. M. Ass., Tokyo, 1941, 30: 679; 865.—**Oltramare, J. H.** Lésions produites par l'effet de souffle. In his Chir. guerre, Lausanne, 1944, 26–32.—**Suggit, S. C.** Noise and hearing in relation to the problems of the Royal Navy. Brit. M. Bull., 1947, 5: 55-7.—**Tonndorf, J.** Combined effect of hypoxia and noise on hearing. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 20; July, 11; 1949, Jan., 12.—**Van de Water, M.** Noise, weapon of war nerves. Health, Mount. View, 1942, 9: No. 4, 26.—**Weiss, J. A.** Deafness due to noises of warfare. U. S. Nav. M. Bull., 1946, 46: 381–6.

—— Prevention.

Borščevsky, I. J. [Testing of new types of noise absorbers for aviators] Voen. san. delo, 1936, 69–72. ——— Protivošumy. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 910–4.—**Macfarlan, D.** Prevention and treatment of acoustic trauma in war and civil life. Laryngoscope, 1941, 51: 964–9. Also Arch. Otolar., Chic., 1942, 35: 172.—**Morisue, S., & Yamazaki, T.** Bakuon ni tai-suru tyōki bōgo no kenkyū [Studies in the protection of the auditory apparatus (of aviators) from buzzing (noises)] Gun idan zassi, 1940, 439–46, illust.

—— white.

See under **Hearing.**

NOMA.

See under **Mouth,** Disease.

NOMENCLATURE.

See also **Injury,** Classification and nomenclature; **Military medicine,** Dictionaries.

UNITED STATES. ARMED FORCES. MEDICAL SERVICE. Joint Armed Forces statistical classification and basic diagnostic nomenclature of diseases and injuries with a list of surgical operations; United States Army, United States Navy [and] United States Air Force. 87p. 23½cm. Wash., 1949.
Forms Spec. Reg. 40–1025–1, U. S. Dep. Army, NAVMED P–1294, U. S. Navy Bur. M. & S. & U. S. Air Force Reg. 160–13.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–77: Instructions for use of the Standard nomenclature of disease and Standard nomenclature of operations by the medical staff of VA. 3p. 27cm. Wash., 1947.

Abbreviations of official titles of companies and organizations [tab.] In: Human Factors in Air Transp. Design (McFarland, R. A.) N. Y., 1946, 644.—**Abbreviations** for scientific and engineering terms [tab.] Ibid., 645.—**Alexander, C. E.** Comments on mistakes made with the nomenclature, 1913, abstracts of patients (form F) and the statistical report (form K) U. S. Nav. M. Bull., 1914, 8: 70–5. ——— Classification of the United States Navy Nomenclature, 1913. Ibid., 75–87.—**Crosfill, J. W. L.** The medicine of history. J. R. Nav. M. Serv., 1948, 34: 13–22.—**Diagnostic** (The) nomenclature. Annual Rep. Surg. Gen. U. S. Navy, 1947, 7.—**Sokraščenija** voennykh i voenno-medicinskikh terminov. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: p. xii–xvi.—**Standardization** of medical nomenclature within tbe Armed Forces. Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense, 1949, Sect. B, 5p.

NON-BATTLE casualty.

See under **Casualty,** also under **Injury.**

NON-UNION.

See under **Fracture,** Healing.

NORMANDY Beach.

See under **World War II.**

NORRBOTTEN.

See under **World War II,** Sweden.

NORTH ...

For the following geographical terms see references under **World War II** in the Military Section—North Africa; Northern Europe; Northern Ireland; North Italy; Northwest Africa; Northwest Europe.

NORTHERN War [1700–1721]

See under **Wars and campaigns.**

NORTHWEST Campaign, Canada [1885]

See under **Wars and campaigns.**

NORWAY.

For references to this country see under the following headings in the Military Section: **Hospital report; Morbidity; Nutrition service; Ration; Recruiting; Tuberculosis; Venereal disease; World War I; World War II.**

NOSE.

See also **Ear, nose and throat; Eye, ear, nose and throat; Nasal fossa; Nasal sinus; Nasopharynx; Otorhinolaryngology; Ozena; Surgical technic,** Nose.

Alexander, E., jr. Adaptation of government issue spectacles as holder for nasal tube. Mil. Surgeon, 1944, 94: 166.—**Popov, F.** Nos. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1366–70, pl.

—— Disease.

Albright, P. M. An unusual nasal polyp. U. S. Nav. M. Bull., 1923, 19: 169.—**Angelescu, G.** [Solitary voluminous nasal polypus (edematous fibroma)] Rev. san. mil., Bucur., 1930, 29: 252–3.—**Balla, A.** Stenosi nasale, iperplasia dell'anello di Waldeyer e carie dentaria nei militari. Gior. med. mil., 1909, 57: 674–84.—**Blank, P., & Levitt, H.** Military aspects of allergic rhinitis. Med. Bull. North Afr. Theater U. S., 1944, 2: 96. Also Ann. Allergy, 1945, 3: 113–23.—**Cola, F.** Contributo allo studio della rinolitiasi. Gior. med. mil., 1925, 73: 526–9.—**Diacicov.** [Conjunctivitis of rhinologic origin] Rev. san. mil., Bucur., 1931, 30: 15.—**Duerto, J.** La insuficiencia respiratoria nasal; sus relaciones con la fisiologia y su importancia desde el punto de vista médico-militar. Rev. san. mil., Madr., 1929, 19: 195–201.—**Errecart, P., & Tolosa, E. E.** Polipi antrocoanal; contribución a su estudio. Rev. san. mil., B. Air., 1939, 38: 1009–18.—**Filippov, M.** Krovoteċenie nosovoe. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 184–8.—**Given, D. H. C.** Report of the use of an anti-catarrh vaccine in a limited number of cases. J. R. Nav. M. Serv., 1921, 7: 330–3.—**Hölscher.** Die Behinderung der Nasenatmung und ihre Bedeutung für die Militärdienstfähigkeit. Militärarzt, Wien, 1907, 41: 17; 37.—**Lake, C. L.** Rhinitis medicamentosa. Bull. U. S. Army M. Dep., 1946, 6: 657–9.—**Malfatti, G.** Sull'importanza nei militari dell epistassi recidivante; a proposito di un polipo nasale operato con mezzi di Fortuna. Gior. med. mil., 1941, 89: 938–48.—**Medical** history of allergic rhinitis. Res. Serv. M., 1945, No. 8, 3–20, pl.—**Moore, G. A.** Nasal obstruction in adults. J. R. Army M. Corps, 1906, 6: 572–7; 1910, 15: 148–54.—**Morris, S. J.** Diseases and defects of the nose and nasal fossae. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 756–60.—**Murga, J. M. F., & Latienda, R. L.** Granuloma nasal rhinosporidiósico o enfermedad de Seeber. Rev. san.

mil. argent., 1947, **46**: 359–62.—**Nees, O. R.** Rhinosporidium Seeberi. U. S. Nav. M. Bull., 1936, **34**: 243–5, 2 pl.—**O'Flynn, J. A., & Rudd, E. T. S.** A case of rhinosporidiosis. J. R. Nav. M. Serv., 1934, **20**: 258–60.—**Querol, H. E., & Arcioni, J. B.** Neuralgia nasal. Rev. san. mil., B. Air., 1943, **42**: 833–7.—**Reşad Ali Uluğ** [Nasal neuroses] Askerî sihhiye mecmuası, 1939, No. 27, 60–8.—**Rothschild, E., & Tanchester, D.** Prosthesis in a case of rhinoscleroma. Mil. Surgeon, 1939, **85**: 142–4.—**Schmidt.** Truppenarzt und Nasenkrankheiten. Deut. Militärarzt, 1938, **3**: 473–8.—**Swanson, C. A.** Rhinoneurosis. U. S. Nav. M. Bull., 1931, **29**: 618–22.—**Titche, L. L., & Glasser, J.** Dermoid cyst of the nose. Med. Bull. Veterans Admin., 1944–45, **21**: 92–4.—**Wakita, M.** Syutyō-sei bien ni tuite [Inflammation of the nose with swelling] Gun idan zassi, 1924, 98.—**Young, C. T., Cook, W. R., & Kawasaki, I. A.** Allergic rhinitis and asthma in Hawaii. War Med., Chic., 1943, **3**: 282–90.

—— Injury.

Berendes, J. Ueber die Notwendigkeit der operativen Frühversorgung von Verletzungen der Nase und ihrer Nebenhöhlen. Deut. Militärarzt, 1942, **7**: 579–81.—**Bobrovsky, N. A.** Lećenie ognestrelnykh ranenij nosa i ego pridatoćnykh pazukh. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 35–7.—**Bockstein, F. S.** Lechebnye meropriatija pri ognestrelnykh raneniakh nosa i pridatochnykh pazukh. Ibid., 37–9. ——— [Gunshot lesions of the nose after our observations in a rear evacohospital] Stomatologia, Moskva, 1945, No. 2, 45–7. ——— Ognestrelnye ranenija pridatoćnykh pazukh nosa. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 26–47.—**Camerer, C. B.** Foreign body in the nares. U. S. Nav. M. Bull., 1923, **19**: 168, 2 pl.—**Canfield, N.** Primary war injuries involving the nose and sinuses. Proc. R. Soc. M., Lond., 1944–45, **38**: 627.—**Cinelli, A. A.** Nasal atresias. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 244–52.—**Di Donato, D.** Traumi del naso. Atti Congr. europ. chir. plast. guerra (1942) 1943, 169–73.—**Dobromylsky, F. I.** Pokazanija k operativnym vmešatelstvam pri boevykh travmakh pridatoćnykh polostej nosa i kharakter ikh. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 32. ——— Boevye travmy nosa i ego pridatoćnykh polostej; lećenie sootvetstvujuśćikh ranenykh v evakohospitaljakh. San. sluzhba, Sverdlovsk, 1946, No. 6, 109–13.—**Entelis, V. A., & Sobol, I. M.** Pelot dlja fiksacii vosstanavlivaemogo narużnogo nosa. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 50–2.—**Grigoriev, A.** O kazuistike inorodnykh tel v nosu. Voen. san. delo, 1939, No. 12, 85.—**Guilbert, Y.** Appareil de prothèse à ancrage endo-buccal pour le traitement des fractures des os propres du nez; plaies de la face traitées par la méthode française d autoplastie par glissement. Rev. méd. nav., Par., 1947, **2**: 375–85, 4 pl.—**Gurdin, M. M.** The early care of nasal fractures. U. S. Nav. M. Bull., 1943, **41**: 1706–12.—**Hinsberg, V.** Ohr, innere Nase und ihre Nebenhöhlen. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 507–24.—**Ingersoll, J. M.** Injuries of the nose and throat, due to bullet and shell wounds. Laryngoscope, 1919, **29**: 624–32. Also Tr. Am. Laryng. Ass., 1919, 41. meet., 145–63.—**Ivy, R. H., & Eby, J. D.** Injuries to nose. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 522–49.—**Keigan, A. G.** Traumatic amputation of nasal tip. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 2, 18.—**Krukover, I. M.** K metodike ustranenija sinekhii v polosti nosa posle voennykh travm. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 55.—**Kulikovsky, G. G., & Filippov, M. M.** K voprosu o lećenii ranenij pridatoćnykh pazukh nosa. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 33–5.—**Loeb, W. J.** Nasal synechia. Med. Bull. North Afr. Theater U. S., 1944, **2**: 122.—**Lozanov, N. N.** Lećenie boevykh ranenij nosa i pridatoćnykh pazukh. In: Shorn nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 26–9.—**Magnotti, T.** Alterazioni del naso, laringe ed orecchio in animali sottoposti a compressione e decompressione di aria (aviatori e lavoratori dei cassioni) Otorinolar. ital., 1936, **6**: 235–51.—**Morestin, H.** Mutilations nasales par projectiles de guerre; quatre cas de destruction de la partie supérieure du nez, traités par la rhinoplastie selon la méthode indienne avec addition de tuteurs cartilagineux. Bull. Soc. chir., Paris, 1915, n. ser., **41**: 2465–78.—**Niehues, B.** Eine seltene Nasensteckschussverletzung. Deut. Militärarzt, 1939, **4**: 488–90.—**Nisiyama, A.** Kriegsverletzungen der Nase und der Nasennebenhöhlen. Otorhinolaryngologia, Tokyo, 1939, **12**: 476, pl.—**Onodi, A.** Rhinolaryngologische Fälle vom Kriegsschauplatz. Arch. Ohr. &c. Heilk., 1915, **98**: 244–60. Also Orvosi hetil., 1915, **59**: 167; 237; 251; 482.—**Rabinović, Z. G.** Ognestrelnye ranenija nosa i pridatoćnykh pazukh. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, **8**: 68–101, 6 pl.—**Repair** of nasal fracture. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 14, 5.—**Rosenfeld, I. M.** Borba s sinekhijami polosti nosa, voznikshimi na poćve ognestrelnykh ranenij. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 53.—**Ruttin, E.** Demolicrung der Nase durch Handgranatenverletzung. Mschr. Ohrenh., 1916, **50**: 74.—**Skrypt, A. A.** K voprosu ob inorodnykh telakh v polosti nosa posle ognestrelnykh ranenij. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 47–50.—**Wessely, E.** Verletzungen der äusseren Nase und deren Umgebung; kosmetische Wiederherstellung. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 614–31.—**Womack, D. R.** A fracture device for the nose. U. S. Nav. M. Bull., 1943, **41**: 852–6.—**Zöllner.** Behandlung von Nasenzertrümmerungen und -Durchschüssen. Acrztl. Feldpost., 1945, No. 2, 4.

NOSOGRAPHY.

See under **Pathology.**

NOSTALGIA.

Flicker, D. J., & Weiss, P. Nostalgia and its military implications. War Med., Chic., 1943, **4**: 380–7.—**Fonseca, V.** Estudio sobre la nostalgia en nuestro ejército. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2**: 181–3.—**Nostalgie** militaire. Lancet, Lond., 1914, **2**: 1261.—**Schmidt, W.** Heimweh. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 189–92.—**Wittson, C. L., Harris, H. I., & Hunt, W. A.** Cryptic nostalgia. War Med., Chic., 1943, **3**: 57–9.

NOVA Goa.

See under **Hospital report.**

NOVARSENOBENZOL.

See under **Syphilis,** Treatment.

NOVOCAIN.

See also **Nerve block; Procain.**

Berdjaev, A. F. Mestnoe obezbolivanie smesju novokaina s suprareninom. Voen. med. J., S. Peterb., 1907, **219**: Med. spec. pt, 582–9.—**Bonnet, G., Idrac** [et al.] Du traitement par les injections de novocaïne de certaines lésions du coude, fracture, luxations, ostéomes. Bull. Soc. méd. mil. fr., 1938, **32**: 460–5.—**Dumalle, G.** A propos des infiltrations de novocaïne dans les traumatismes articulaires et autres affections. Ibid., 1937, **31**: 482–7.—**Goodridge, D.** Some cases of blanching following injections for dental local anaesthesia with novocain. J. R. Nav. M. Serv., 1939, **25**: 255–61.—**Hakala, E. W.** Diagnostic and therapeutic novocaine injections in orthopedic practice. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: 15–9.—**Kalashnikov, V. P.** [Simple method of differentiation of novocain from cocaine by means of wood pulp] Tr. Acad. mil. méd. Kiroff, 1935, **2**: 264–7.—**Kondo, H., & Tanaka, G.** [Syntheses von Novocain] Gun idan zassi, 1917, 559–78.—**Lichtenberg, J.** Význam novokainu pro velikost a účinnost chirurgických transfusí. Voj. zdrav. listy, 1949, **18**: 154–6.—**Novikov, G. M.** Novocaine block in emergency surgical practice and traumatology. Bull. War M., Lond., 1941–42, **2**: 162–4 (Abstr.)—**Salvini, C.** Sul valore diagnostico della reazione novocainoformalinica del Costa in alcuni gruppi di malattie. Gior. med. mil., 1927, **75**: 416–22.—**Single, H. A.** Novocain or procain anesthesia. U. S. Veterans Bur. M. Bull., 1929, **5**: 207.—**Yanchich, S.** [Refractometric dosage of hydrochloride of novocaine] Voj. san. glasnik, 1935, **6**: 417–19.

NUCLEAR energy.

See under **Atomic energy.**

NUCLEUS pulposus hernia.

See under **Intervertebral disc.**

NURSE.

See also subsequent headings; also **Cadet nurse; Civilian defense worker**—by occupations: Nurse. **Flight nurse; Hospital staff,** Nurse; **Uniform;** Nurse.

Barton, C. The women who went to the field [poem] Trained Nurse, 1938, **100**: 544.—**Corning, J. L.** The nurse in peace and in war. Med. Rec., N. Y., 1916, **89**: 811—**Dugashevich, D.** Sestra medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 102–8.—**Fisher, P. C.** The nurse in war. South. Hosp., 1942, **10**: No. 12, 9.—**Hirschfeld, M.** Eroticism of nurses. In his Sex. Hist. World War, N. Y., 1937, 58–75.—**Lawson** nurses in nation's news reels. Lawson News, 1943, **3**: No. 12, 6.—**López Font, E.** Misión de la enfermera. Actual. méd., Granada, 1944, **30**: 517–20.—**Nurse** Haile Selassie. Brit. J. Nurs., 1941, **89**: 45, portr.—**Nurses'** monument in Arlington. Am. J. Nurs., 1937, **37**: 623.—**Nurses** in wartime. Med. Rec., N. Y., 1942, **155**: 37.—**Our** brave war nurses. Brit. J. Nurs., 1941, **89**: 202.—**P., P.** Nurses and the war. Pub. Health Nurs., Utica, 1942, **34**: 341–4.—**Patterson, S.** Nurses on the home and battle fronts. Med. Woman J., 1943, **50**: 254.—**Payne, E. C.** The camp nurse in wartime. Trained Nurse, 1943, **110**: 348–52.—**Sánchez, B.** La enfermera en la guerra. ENE, Caracas, 1942, **1**: No. 4, 37.

—— airborne.

Nurse from the skies; R. A. F. nursing sisters train for parachute jumps. Nurs. Mirror, Lond., 1948, **88**: No. 2272, Suppl., 1.—**Parachute** nurses? R. N., Rutherford, 1941–42, **5**: No. 5. 17.

—— Clubs.

Ashton, M. Club for Army nurses. Brit. J. Nurs., 1942, **90:** 17.—**King** George and Queen Elizabeth Club for service women of the Empire, London. Australas. Nurs. J., 1940, **38:** 225.—**Saunders, U. M.** Clubs for nurses in India and France. Canad. Nurse, 1918, **14:** 854–6.

—— Drafting.

American National Red Cross. Join the Army or Navy as nurses. 1 fold. l. 29½cm. Wash., 1943.

Act (An) concerning qualifications for registration of nurses during the war. Connecticut Health Bull., 1943, **57:** 166.—**Adams, L.** Military need for nurses. J. Indiana M. Ass., 1942, **35:** 640.—**Army** needs 10,000 nurses. J. Am. M. Ass., 1942, **118:** 985.—**Badger, G. L.** Nurses for the Armed Forces. Pacific Coast J. Nurs., 1943, **39:** 81.—**Beard, M.** The mobilization of nursing in national defense. Am. J. Nurs., 1941, **41:** 1361–4.—**Call** for Army nurses. J. Am. M. Ass., 1941, **116:** 236.—**Castañares Cañedo, G.** Fiebre de enfermeras. Medicina, Méx., 1942, **22:** Suppl., 147.—**Criteria** of essentiality for nurses. Am. J. Nurs., 1943, **43:** 977–9.—**Cross, O. D.** Nurse recruitment for military service. Johns Hopkins Nurs. Alumnae Mag., 1943, **42:** 106–8.—**Densford, K. J.** ANA testimony on proposed draft legislation. Am. J. Nurs., 1945, **45:** 172; 383.—**Dubois, E. C.** Nurses for the Armed Forces. N. England J. M., 1943, **228:** 269.—**Faville, K.** Your part in recruitment of qualified students. Am. J. Nurs., 1942, **42:** 5.—**Fisher, P. C.** The nurse in war. Hospitals, 1942, **16:** No. 11, 49.—**Flikke, J. O.** Invitation to service. Army M. Bull., 1942, No. 61, 163. ——— The Army calls all eligible nurses Am. J. Nurs., 1943, **43:** 25.—**Hunter, G. V.** Wartime nursing shortage. North. New York M. J., 1945, **2:** 35.—**Leeuwen, P. P. W. van** [Mobilization experiences in the domain of nursing] Mil. spectator, Haag, 1940, **109:** 422–5.—**Lorenz, C.** Into the microphone. Red Cross Courier, 1942–43, **22:** No. 11, 29.—**Nurse** Draft Bill and civilian hospitals. Hospitals, 1945, **19:** No. 2, 33–5.—**Nurse** mobilization. Red Cross Courier, 1940–41, **20:** No. 5, 16.—**Nurse** shortage; survey shows loss of another 10% in pre-draft recruitment. Hospitals, 1945, **19:** No. 4, 38.—**Nurses** swamped by demands from Army, Navy and civilians. California West. M., 1943, **58:** 139.—**Petersen, A.** Nurses are needed. Red Cross Courier, 1942, **21:** 18.—**Phillips, M. G.** Nurses for the military services. Am. J. Nurs., 1949, **49:** 95.—**Recruiting** and the nurse. Nurs. Times, Lond., 1940, **36:** 1317.—**Sheldon, P. C.** The need for nurses in the Army. Pacific Coast J. Nurs., 1941, **37:** 140–3.—**Shortage** of nurses. Bull. U. S. Army M. Dep., 1944, No. 83, 26.—**Smith, D. M.** Nursing recruitment. Nurs. Times, Lond., 1941, **37:** 927.—**Speck, J. M.** Help wanted; nurses needed. Red Cross Courier, 1942–43, **22:** No. 4, 13.—**State** registration of nurses in military service. Am. J. Nurs., 1944, **44:** 864–8.—**Van DeVrede, J.** Nursing a war necessity. J. M. Ass. Georgia, 1943, **32:** 90.—**Wales, M.** The wounded must not die. J. M. Ass. Alabama, 1943–44, **13:** 9. Also N. Orleans M. & S. J., 1943–44, **96:** 80.

—— male.

See also **Hospital Corps.**

Briggs, W. P. Men nurses in the U. S. Navy. Am. J. Nurs., 1943, **43:** 39–42.—**Brown, D. M.** Men nurses and the U. S. Navy. Ibid., 1942, **42:** 499–501.—**Clark, D.** He's with the Army Medical Department. Ibid., 1941, **41:** 1448.—**Martin, L. W.** Men nurses are available for military nursing. Trained Nurse, 1944, **112:** 357.—**Men** nurses and the Armed Services. Am. J. Nurs., 1943, **43:** 1066–9.—**Parker, G. P.** Male nurses in the Army. Nurs. J. India, 1944, **35:** 120 [group portr.] – **Status** of men nurses in the Army and Navy. Am. J. Nurs., 1944, **44:** 518.—**Wakeman, F. B.** The training of male nurses for the military services. Hospitals, 1942, **16:** No. 8, 76.

—— National defense aspect.

See also subheadings of **Civilian defense worker; also Nursing Council for War Service.**

Parran, T., Bolton, F. P. [et al.] Nurses for defense. 12p. 24cm. Wash., 1941.

B., I. G. Concerning the nursing defense program. Johns Hopkins Nurs. Alumnae Mag., 1942, **41:** 79.—**Barthe, J.** Staff nursing and preparedness; some reasons hospitals face difficulties in obtaining general duty nurses. Pacific Coast J. Nurs., 1940, **36:** 716–9.—**Bell, C. A., & Miller, K.** Nursing and the national defense program. Pennsylvania M. J., 1940–41, **44:** 745.—**Congress** recognizes the vital contribution of nursing to defense in its appropriation of $1,200,000. Trained Nurse, 1941, **107:** 126.—**Couch, R.** More civilian nurses? start with inventory of needs and attack from all angles. Hospitals, 1943, **17:** No. 8, 40–2.—**Cutler, E. C.** Doubling our efforts. Am. J. Nurs., 1942, **42:** 993.—**Cutler, J. E.** How the public and the nursing profession are combining to supply nursing needs during and after the war. Ibid., 1917–18, **18:** 1021–9.—**Defense** of the nation's health. Pub. Health Nurs., 1941, **33:** 738.—**Dines, A. E.** The nurse and national defense. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 37–41.—**Erhardt, F. B.** Nurses and the war. Arizona M., 1944, **1:** 127.—**Geister, J. M.** Whose war is it? Trained Nurse, 1943, **110:** 123–5. ——— There is unrest among nurses. Ibid., **111:** 122–4.—**Goodrich, A. W.** Nursing and national defense. Am. J. Nurs., 1942, **42:** 11–6.—**Goulding, F. A.** The college nurse in the war effort. Pub. Health Nurs., 1942 **34:** 506–9.—**Grefe, F.** Nursing and the defense program. J. M. Ass. Georgia, 1942, **31:** 29.—**Greisen, E. C.** The practical nurse, a war-time necessity. Milwaukee M. Times, 1943, **16:** 19–21.—**Groppe, E. B.** The nursing problem; a nurse's viewpoint. Hosp. Counc. Bull., 1941, **4:** No. 10, 16–8.—**Harker, G. D.** Shortage of nursing. Bull. Acad. M. Cleveland, 1943, **28:** No. 5, 13.—**Hayes, J. H.** The shortage of trained nurses presents a many-sided problem. Hospitals, 1944, **18:** No. 7, 63–5.—**Haynes, M. W.** The nurse in the national defense program. Ibid., 1941, **15:** No. 5, 17–9.—**How** hospitals can ease the nursing shortage. J. Am. M. Ass., 1943, **123:** 42.—**Jacobs, E. R.** Nurses and national defense. Month. Bull. Bd Health Indiana, 1941, **44:** 280.—**Jones H. W.** The nursing profession in national defense. Bull. Alumnae Ass. Child. Hosp. School Nurs., Bost., 1941, **21:** 8–16.—**Kennedy, W. P.** Every nurse can help. Nurs. Times, Lond., 1941, **37:** 323.—**McCook, J. B.** The supply of nurses. J. Am. M. Ass., 1943, **121:** 538.—**MacCurdy, F.** Nursing, hospitals, and defense. Am. J. Nurs., 1941, **41:** 653–8.—**McIver, P.** Nursing in a program for national defense. War Med., Chic., 1941, **1:** 196–202.—**More** nurses needed. J. Am. M. Ass., 1943, **121:** 1227.—**Nurse-famine** closes floors of city hospitals. N. York State J. M., 1941, **41:** 2065.—**Nurses'** war-time problems. Nurs. Times, Lond., 1940, **36:** 492.—**Nursing** and the national defense program. Am. J. Nurs., 1941, **41:** 223; 956.—**Nursing** preparedness. Ibid., 1940, **40:** 1014–6.—**Perozzi, L.** Priorities for nursing. Oregon Health Bull., 1943, **21:** No. 10, 3.—**Resurvey** of professional nurses. J. Am. M. Ass., 1942, **120:** 971.—**Schulz, C. L.** The nurse in wartime. Merck Rep., 1944, **53:** No. 3, 9–13.—**Smith, W. H.** How nurses are meeting the present needs. Am. J. Nurs., 1917–18, **18:** 979–86.—**Stewart, I. M.** The nursing profession and national defense. Hospitals, 1941, **15:** No. 10, 33–7. Also Tr. Am. Hosp. Ass., 1941, **43:** 503–6 (Abstr.) ——— Nursing preparedness; some lessons from World War I. Proc. Nat. League Nurs. Educ., 1941, **47:** 201–14.—**War** consciousness. Nurs. Times, Lond., 1940, **36:** 1099.—**War** work with a future. Health, Mount. View, 1943, **10:** No. 5, 17.—**What** can I do in this defense work? Pacific Coast J. Nurs., 1942, **38:** 201–7.—**Whitehouse, W. W.** A challenge to nursing. Proc. Nat. League Nurs. Educ., 1941, **47:** 99–105.

—— Navy nurse.

See also **Nurse Corps,** United States: Navy.

Bolton, F. P. As the public sees you, Navy Nurse. Trained Nurse, 1942, **109:** 179.—**Davis, D. M.** The Navy nurse teaches as she serves. Pacific Coast J. Nurs., 1942, **38:** 544.—**De Witt, J.** They follow the fleet. R. N., Rutherford, 1941–42, **5:** 22–5.—**Navy** (The) nurse; her duties and responsibilities. Trained Nurse, 1918, **61:** 80–3.—**Navy** nurses on the U. S. S. Solace. Am. J. Nurs., 1941, **41:** 1173–5.—**Workman, H. M.** The nurse serving in the Navy; possibilities in its diversified field. Trained Nurse, 1926, **76:** 390–2.

—— Negro.

Mead, J. M. Negro nurses in Armed Forces. J. Nat. M. Ass., 1945, **37:** 163.—**Negro** nurses and the war effort. Nat. Negro Health News, 1943, **11:** No. 3, 5.

—— Procurement and assignment.

See also other subheadings.

Jacobs, E. R. War Manpower Commission inaugurates procurement and assignment of nurses. J. Indiana M. Ass., 1944, **37:** 38.—**Nurses** in procurement service offices. J. Am. M. Ass., 1943, **121:** 1097.—**Nursing** division for Procurement and Assignment Service. Ibid., **122:** 1130.—**Nursing** in War Manpower Commission. Am. J. Nurs., 1943, **43:** 741–4.

—— Professional secrecy.

Perrin, M. Le secret professionnel des infirmiers militaires. Presse méd., 1909, **17:** annexe, 513–5.

—— Rank.

See also **Nurse Corps.**

Nurse Bill is signed; study promotion plan. Army & Navy J., 1943, **80:** No. 18, 493; 495.—**Nurse** or soldier? Am. J. Nurs., 1941, **41:** 1449.—**Petersen, A.** The nurses' fight for military rank. Trained Nurse, 1942, **109:** 98–100.—**Sixteen** nurses made lieutenant colonels. J. Am. M. Ass., 1943, **121:** 1355.

—— Reserve.

Civil (The) Nursing Reserve. Brit. J. Nurs., 1940, **88:** 205.—**Improving** the Civil Nursing Reserve. Nurs. Times, Lond., 1940, **36:** 471.—**Jackson, W. L.** The Naval Reserve Nurse Corps. Am. J. Nurs., 1944, **44:** 19.—**Lindner, J. A.** Nursing reserve for defense. Mod. Hosp., 1941, **56:** No. 4, 49.—**McIver, P.** Federal aid for nursing education and student war nursing reserve. Hospitals, 1943, **17:** No. 5, 21–4.—

Naval (The) Reserve Nurse Corps. Am. J. Nurs., 1941, **41**: 385.—**Reserve** Army Nurse Corps and WMSC on inactive status can receive annual retirement credits. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 7, 3.—**Short, A.** The part the Army Nurse Corps Reserve will play in our military program. Mil. Surgeon, 1949, **104**: 442–5.—**Student** War Nursing Reserve. Ibid., 1943, **93**: 214.—**Watt, K. C.** The Civil Nursing Reserve. Nurs. Times, Lond., 1941, **37**: 801.

—— Training.

See also **Nursing,** Instruction.

Burston, S. R. Training of nurses in Army hospitals. Australas. Nurs. J., 1943, **41**: 85–7.—**Examinations** for nurses for national defense. J. Am. M. Ass., 1941, **116**: 2601.—**Frid, R. E.** Training on bivouac; Army nurses with an affiliated medical unit prepare for service. Am. J. Nurs., 1943, **43**: 734–6.—**Glasoe, D. I.** Planning together for more students. Ibid., 719.—**League** (The) considers defense; the forty-seventh annual convention of the National League of Nursing Education, Detroit, Michigan, May 26–30, 1941. Ibid., 1941, **41**: 816–32.—**Marley, F.** Training nurses for war. Hygeia, Chic., 1943, **21**: 788.—**Rolfe, M.** More foreign phrases for the nurse. Nurs. Times, Lond., 1940, **36**: 1243; 1326.—**Schmidt, E. L.** Training of WAVES for hospitals. Am. J. Nurs., 1943, **43**: 717.—**Stewart, I. M.** Nursing education and national defense. Ibid., 1940, **40**: 1376–85.—**Tracy, M. A.** Speeding up production of nurses. Ibid., 1942, **42**: 193–5.—**Washburn, F. A.** Schools of nursing should shorten their courses for the period of the emergency. Hospitals, 1942, **16**: No. 2, 68.

—— veteran.

Hickey, M. A. The present nursing service of the U. S. Veterans' Bureau and what the Veterans' Bureau is doing for disabled ex-service nurses. Proc. Am. Nurs. Ass., 1924, **24**: 83–9.

—— visiting.

Bathgate, M. M. M. Duties of a health visitor in war-time. Nurs. Times, Lond., 1941, **37**: 410.—**Pappas, J. P.** The role of the visiting nurse on a military post. Bull. U. S. Army M. Dep., 1949, **9**: 563–5. Also Med. Bull. U. S. First Army, 1949, **4**: No. 6, 3–9.

NURSE Corps

See also **Cadet Nurse Corps; Flight nurse; Hospital Corps; Nursing service.**

India. Army. Medical Directorate, India. Wrongful use of the term nursing officer. p. 3. 25cm. Delhi, 1945.

Forms No. 260, Admin. Instr. M. Dir. Army India.

Kivimaki, A. In Finland with the Medical Lottas. Am. J. Nurs., 1941, **41**: 305–9.—**Memorandum** para la preparación de enfermeras de sanidad militar de la República de Colombia. Rev. colomb. pediat., 1943, **2**: 137–40.

—— Brazil.

Enfermeiras do Exército. Impr. med., Rio, 1943–44, **19**: No. 361, 132–4.—**Enfermeiros** de guerra. Brasil med., 1942, **56**: No. 45, p. xii.

—— Canada.

Brown, G. E. Have we kept our pledge? Canad. Nurse, 1943, **39**: 277.—**Gibson, A.** Canadian nurses in Scotland. Ibid., 1944, **40**: 858.

—— Germany.

Pflugt-Harttung, E. v. Frontschwestern; ein deutsches Ehrenbuch. 2. Aufl. 342p. 8° Berl., 1936.

Forms Bd 21, Deut. Tat im Weltkrieg.

Cramer, H. Bericht, erstattet zur Anregung der Ausbildung von Kriegskrankenpflege-Helferinnen in einem vaterländischen Frauenvereine. Zschr. Krankenpfl., 1906, **28**: 281–4.—**Körting.** Neuere Gesichtspunkte und Bestimmungen zur Schwesternausbildung. Deut. mil. ärztl. Zschr., 1909, **38**: 847–57.—**Kunze, J.** Die Regelung des Einsatzes von Krankenschwestern im Sanitätsdienst. Zschr. ges. Krankenhauswes., 1939, 491–4.—**Lehmann, M.** Beschleunigte Ausbildung zur DRK-Krankenschwester. Med. Welt. 1941, **15**: 15. ——— Ausbildung von Sanitätsdienstgraden der Wehrmacht usw. zu Krankenpflegern. Münch. med. Wschr., 1941, **88**: 407.

—— Great Britain.

Fenwick, E. G. The Archbishop of Canterbury and spiritual guidance for women in auxiliary services. Brit. J. Nurs., 1940, **88**: 25.—**Freer, F.** Nurses of the British services. Trained Nurse, 1943, **111**: 419–21.—**Jones, K. H.** Nursing in the British Army; Queen Alexandra's Imperial Military Nursing Service. Internat. Nurs. Rev., Genève, 1939, **13**: 6–24, pl. ——— Broadcast talk on nursing profession on active service with the Army. Brit. J. Nurs., 1943, **91**: 115. ——— Q. A. I. M. N. S. professional and military status. Nurs. Times, Lond., 1945, **41**: 60 &c.—**Mein** Gott. Brit. J. Nurs., 1940, **88**: 159.—**Moody, P. E.** With pen and brush; a Q. A. reports; when a ward is a tent. Nurs. Times, Lond., 1944, **40**: 819.—**Neuburger.** Das Königin-Alexandra-Schwestern-Korps der englischen Armee. Deut. mil. ärztl. Zschr., 1908, **37**: 321–9.—**Nurses** to the R. A. F. Nurs. Times, Lond., 1939, **35**: 1304.—**Queen** Alexandra's Imperial Military Nursing Service; increased pay, pensions, etc. Brit. J. Nurs., 1935, **83**: 233.—**Reward** for bravery. Nurs. Times, Lond., 1940, **36**: 448.—**Scarlet** and grey. J. R. Army M. Corps, 1945, **85**: 208–11.

—— Naval Reserve.

See under **Nurse,** reserve.

—— Russia.

See under **Nursing service**—by countries: **Russia.**

—— Switzerland.

Hunziker, E. Der Schweizerische Samariterbund. In Sanitätstruppen, Zür., 1942, 75–7.

—— United States.

About our units and our nurses in the Armed Forces, from General Hospital No. 118. Johns Hopkins Nurs. Alumnae Mag., 1943, **42**: 58–63.—**Bernays, E. L.** The Armed Services and the nursing profession. Am. J. Nurs., 1946, **46**: 166–9.

—— United States: Army.

See also **Nurse,** reserve.

Stimson, J. C. History and manual of the Army Nurse Corps. 115p. 8° Carlisle Barracks, 1937.

United States. Army. Crile General Hospital [Cleveland, Ohio] Directory of nurses, 1 February 1946. 6p. 27cm. Clevel., 1946.

Bound with its Hosp. Regulations, Clevel., 1946.

United States. War Department. Army regulations No. 40–20, Medical Department; The Army Nurse Corps—General provisions. Changes No. 1. 2p. 8° Wash., 1931.

——— Army regulations No. 40–20, Medical Department; The Army Nurse Corps—General provisions. 15p. 8° Wash., 1934.

United States. War Department. Surgeon General's Office. Army Nurse Corps. The Army nurse. 32p. 21½cm. Wash., 1944.

Air medal awarded Army nurses. J. Am. M. Ass., 1944, **125**: 498.—**Army** (The) Nurse Corps. Ibid., 1942, **118**: 1374.—**Army** Nurse Corps; dietitians and physical therapy aides in Army Medical Department. N. York State J. M., 1943, **43**: 78.—**Army** Nurse Corps keeps pace with Army expansion. Hosp. Management, 1943, **55**: No. 6, 66.—**Army** Nurse Corps on maneuvres. R. N., Rutherford, 1943–44, **7**: 44–9.—**Army** (The) nurse in war exhibit. Am. J. Nurs., 1945, **45**: 434–7.—**Aynes, E. A.** Nurses in blue await their orders overseas. Pacific Coast J. Nurs., 1942, **38**: 416.—**Blanchfield, F. A.** The needs of the Army Nurse Corps. Am. J. Nurs., 1943, **43**: 991. Also Pub. Health Nurs., 1943, **35**: 546–8.—**Bonney, V. L.** In the Army Nurse Corps at Fort Eustis, Virginia. Johns Hopkins Nurs. Alumnae Mag., 1942, **41**: 15–8.—**Bowen, I. H.** She's in the Army now! Hygeia, Chic., 1941, **19**: 174–7.—**Brown, I. C.** Army Nurse Corps. J. Am. M. Ass., 1942, **119**: 519.—**Callori, M. A.** A year in the Army. Pacific Coast J. Nurs., 1941, **37**: 533.—**Dick, G. E.** A look into the Army nurses' past, present, but not future; you may find that in tea leaves. Bull. Nurses' Alumnae Ass. Univ. Maryland, 1942, 11–3.—**Dock, L. L.** Army Nurse Corps. In her Hist. Am. Red Cross Nurs., N. Y., 1922, 67.—**Elliott, D. V.** Graduate educational program for Army Nurse Corps. Mil. Surgeon, 1949, **104**: 448–55. ——— The Army Nurse Corps educational program. Ibid., 1950, **106**: 211–4.—**Fisher, P. C.** First U. S. Army nurses got $50 per month and maintenance. Hosp. Management, 1943, **56**: No. 5, 58–68.—**Flikke, J. O.** The Army Nurse Corps. J. M. Ass. Georgia, 1942, **31**: 214. ——— Many advantages offered by the Army Nurse Corps. Hosp. Management, 1942, **53**: 56. ——— The Army Nurse Corps in time of war. Mil. Surgeon, 1943, **92**: 174–8.—**Hodson, J. L.** Army sisters. J. R. Army M. Corps, 1943, **80**: 262–5.—**Hopkins** news from the Armed Forces. Johns Hopkins Nurs. Alumnae Mag., 1943, **42**: 166; 1944, **43**: 83.—**Hunter, F. E.** Army nurses did superb work. Trained Nurse, 1946, **116**: 264–8.—**Longest** period of service in Army Nurse Corps completed. Release U. S. War Dep. Bur. Pub. Relat., 1943, Nov. 11, 1–3.—**Looking** in on the life of an Army nurse. Trained Nurse, 1943, **110**: 276–8.—**Menninger, W. C.** The women in the Medical Department. In his Psychiat. in a Troubled

World, N. Y., 1948, 115–20.—**Nurse** Corps educational program. Bull. U. S. Army M. Dep., 1946, **6**: 538.—**Nurses** appointed for overseas service. J. Am. M. Ass., 1941, **116**: 844.—**On** going into the Army; what to take along and what to expect in the way of equipment. Am. J. Nurs., 1942, **42**: 1351–6.—**Parks, R. E.** A nurse looks at Army life. Red Cross Courier, 1940–41, **20**: No. 8, 15.—**Parran, T.** Way cleared to undertake vast cooperative program for training of Nurse Corps. Hospitals, 1943, **17**: No. 8, 29.—**Paxton, V. M.** ANC reinforcements land in France. Am. J. Nurs., 1945, **45**: 13–6.—**Phillips, M. G.** Late developments in the Army Nurse Corps. Med. Bull. Europ. Command, 1949, **6**: No. 8, 36–45. ——— Army Nurse Corps activities. Med. Bull. U. S. First Army, 1950, **5**: 17–27.—**Schwartz, D.** An open letter from members of the Army Nurse Corps. Am. J. Nurs., 1946, **46**: 287.—**Sinclair, B. J.** My preview of Army nursing. Ibid., 1942, **42**: 17.—**Stimson, J. C.** Records in the Nursing Division of the Surgeon General's office. Mil. Surgeon, 1936, **78**: 307–9. ——— Address. Summary Proc. Am. Red Cross, 1941, 76–85. ——— United we stand. Proc. Nat. League Nurs. Educ., 1941, **47**: 214–20. ——— The role of American nurses in winning the war. Canad. Nurse, 1942, **38**: 623–8.—**Sutherland, D.** With the Army War Show. R. N., Rutherford, 1942–43, **6**: 22; 78. ——— Commandos of the Army Nurses Corps. Ibid., No. 8, 27; 68.—**Thirty-one thousand** Army nurses and their postwar plans. Am. J. Nurs., 1945, **45**: 1021–3.—**Thompson, D. E.** Personnel Division; Section of Army Nurse Corps Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 176–90.—**Three** officers of Nurse Corps awarded Silver Star. J. Am. M. Ass., 1944, **124**: 992.—**Wilbur** (Lieut. Col.) and Corp. Martin, Nurse Corps administrators of Army nurses in North African theater. Ibid., 927.—**Will** Army pay be increased? Am. J. Nurs., 1941, **41**: 1423.—**Williams, A. K.** Patriotism is not enough. Ibid., 297.—**Witmer, S. K.** Life in the Army Nurse Corps. Johns Hopkins Nurs. Alumnae Mag., 1942, **41**: 67.—**Wolf, A. D.** The Army Nurse Corps of General Hospitals Nos. 18 and 118. Ibid., 104–6.—**Wooders, M. A., & Curtis, D. A.** The Army Nurse Corps. In their Emergency Care, Phila., 1942, 369–73.

—— United States: Navy.

See also **Cadet Nurse Corps; Hospital Corps: Nurse,** Navy.

UNITED STATES. NAVY DEPARTMENT. BUREAU OF MEDICINE AND SURGERY. The Navy Nurse Corps. 22p. 23½cm. Wash., 1943.

Andrus, C. L. Career in the Navy Nurse Corps. Mil. Surgeon, 1949, **105**: 371–5.—**Baars, F. W.** Recollections of early independent duty. Hosp. Corps Q., 1944, **17**: No. 5, 37–40.—**Bowman, J. B.** The Navy Nurse Corps and its relation to the advancement of nursing education. Proc. Am. Nurs. Ass., 1924, **24**: 78–83.—**Jackson, L.** The education programs available for nurses in the Navy Nurse Corps. Mil. Surgeon, 1950, **106**: 214–7.—**Martha** Elizabeth Pringle, pioneer in Navy Nurse Corps. Trained Nurse, 1940, **105**: 388, portr.—**Nurse** (The) Corps [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 23–45.—**Trippe, A. D.** Hospital Corps school serves fleet. Hospitals, 1944, **18**: No. 4, 46.

NURSERY.

See also **Civilian defense,** Protection of children; **Dependent,** Emergency maternity and infant care; **Newborn; Social service.**

Gilchrist, M. L., & Menzies, M. F. War-time nurseries. Lancet, Lond., 1942, **1**: 185.—**Holt, M.** War-time nurseries. Pub. Health, Lond., 1941–42, **55**: 191.—**Pirrie, G. D.** War-time day nurseries. Med. Off., Lond., 1941, **66**: 141.—**Spiker, D.** A wartime problem; the group care of pre-school children. Welf. Bull., Springf., 1943, **34**: No. 8, 18–20.—**Symons, A. D.** War-time nurseries. Med. Off., Lond., 1944, **71**: 6.—**War** time nurseries. J. Am. M. Ass., 1941, **117**: 468. Also Lancet, Lond., 1941, **2**: 777.—**Women** talk of war-time nurseries. Ibid., 1942, **1**: 120.

NURSES' aide.

See also **Civilian defense; Civilian defense worker; Hospital staff; Red Cross nursing.**

AMERICAN NATIONAL RED CROSS, & UNITED STATES. OFFICE OF CIVILIAN DEFENSE. Guide for the training of volunteer nurses' aides [4]p. 27cm. Wash., 1941.

In: Planning Guides etc. (U. S. Off. Civilian Defense) Wash., 1942.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–165: Utilization of volunteer services of American Red Cross student volunteer nurse's aides. 3p. 27cm. Wash., 1948.

Civilian defense; training of volunteer nurses' aides. N. England J. M., 1941, **225**: 1031.—**Lippmann, H. B.** 100,000 volunteer nurse's aides for civilian defense. Am. J. Nurs., 1941, **41**: 1393–6.—**MacDonald, I. M.** Nurse's aides for the Army. Ibid., 1944, **44**: 659.—**Meirelles, M. M.** Alguns aspectos relativos à formação do pessoal auxiliar do Serviço de saúde. Rev. med. mil., Rio, 1949, **38**: 313–36.—**Volunteer** Nurses' Aides in Veterans Administration Hospitals. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 18.

NURSING.

See also related material under **Air evacuation; Emergency medical service; Hospital service; Hospital ship,** Experiences; **Industrial nursing; Journals; Psychiatric hospital; Red Cross nursing; Wounded.**

Chibnall, H. F. Nursing. J. R. Nav. M. Serv., 1916, **2**: 27–9.—**Federal** funds for nursing. Am. J. Nurs., 1941, **41**: 956.—**Lorimer, S.** El cable salvavidas. Rev. san. mil., Habana, 1943, **7**: 214–20.—**Matusov, P., & Wulfovich, M.** Ukhod za bolnymi i ranenymi. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 695–707.—**Praag, S. W.** Militaire ziekenverpleging. Mil. geneesk., tschr., 1909, **13**: 169–79.—**Schmidt, E. L.** Visual aids in nursing arts. Hosp. Corps Q., 1947, **20**: No. 2, 6–9.—**Stimson, J. C.** Army nursing and the cost of medical care. Am. J. Nurs., 1933, **33**: 756–62.

—— Experiences.

See also **Nursing service,** field.

CAMPBELL, R. W. Dorothy, V. A. D., and the doctor. 96p. 12° Lond., 1918.

FLIKKE, J. O. Nurses in action. 239p. 21cm. Phila., 1943.

HASKELL, R. G. Helmets and lipstick. 207p. 20cm. N. Y., 1944.

HEIL, M. Erlebnisse einer Schwester. 147p. 19½cm. Rudolstadt, 1936.

SCHILLING, E. Als Sanitär an der Front, aus den Tagenbuchaufzeichnungen eines Schweizer Krankenpflegers im Weltkrieg. 231p. 12° Zür., 1935.

American nurses torpedoed. J. Am. M. Ass., 1941, **117**: 948.—**Foster, J.** A state of war exists; an American nurse in a British hospital. Am. J. Nurs., 1940, **40**: 3–7.—**Gavin, M.** Puerto Rico as seen by an Army nurse. Bull. Nurses Alumnae Ass. Univ. Maryland, 1934–35, 11–3.—**Giblin, W.** Blitz diary. Red Cross Courier, 1941–42, **21**: No. 6, 3.—**Jones, K.** On active service with the Army. Nurs. Times, Lond., 1943, **39**: 719.—**Lorway, E.** The nurse as upholder of the faith; a talk with Edith McAlpine, R. N., who has served in Canada, England, India, Africa, and in Peiping, China. Trained Nurse, 1936, **96**: 224–8.—**McCann, A. P.** Dressing the wounds of China. Ibid., 1937, **99**: 507–11.—**Nissley, C.** The blue triangle hut. Mod. Hosp., St. Louis, 1918, **11**: 416–8.—**Story** (The) of two nursing sisters returning on the torpedoed Rangitane. Nurs. Times, Lond., 1941, **37**: 847; passim.—**Ten** thousand miles from home. Trained Nurse, 1943, **110**: 358–60.—**Wankowicz, M.** War is like this. R. N., Rutherford, 1941–42, **5**: No. 4, 14; 50.

—— Health nursing.

Arnstein, M. G. New York plans for emergency public health nursing. Pub. Health Nurs., 1943, **35**: 125–7.—**Faville, K.** Private agency in the defense program. Ibid., 1942, **34**: 4–10.—**González Rivera, M.** Adiestramiento de trabajadores de salubridad en tiempo de guerra. Bol. Of. san. panamer., 1944, **23**: 13–7.—**Haupt, A.** Public health nursing in relation to shortage of medical care. Oregon Health Bull., 1943, **21**: No. 37, 3.—**Hilbert, H.** Community nursing service during wartime. Am. J. Pub. Health, 1943, **33**: 239–45. ——— Patterns of combination agencies, 1942. Pub. Health Nurs., 1943, **35**: 457–62.—**Houlton, R.** Notes from the National Organization for Public Health Nursing; board considers war-time needs. Ibid., 1942, **34**: 162–4.—**Maintaining** minimum public health nursing in wartime. Week. Bull. California Dep. Pub. Health, 1943, **22**: 45–7.—**Mingledorff, V. A.** What Georgia public health nurses are doing in war nursing. J. M. Ass. Georgia, 1943, **32**: 214.—**Public** health nursing in relation to shortage of medical care. Pub. Health Nurs., 1943, **35**: 296–8.—**Public** health nursing in wartime. Health News, Albany, 1942, **19**: 129.—**Rooney, M. A.** Wartime public health nursing responsibilities. Pub. Health Nurs., 1943, **35**: 345–50.—**Sheahan, M. W.** Public health nursing in the war. Ibid., 1942, **34**: 371–9.—**Stewart, H. R.** War problems of public health nurse. South. Hosp. Rec., Atlanta, 1917, **4**: 203–6.—**Trautman, J. A., & Giacomo, R.** Public health nursing in a marine hospital. Pub. Health Nurs., 1949, **41**: 339–42.—**Tucker, K.** Public health nursing in national defense. Am. J. Pub. Health, 1941, **31**: 1293–1300.—**Wartime** modifications in public health nursing services for the sick. Pub. Health Nurs., 1943, **35**: 79–81.

—— History.

Barth, R. Aus dem Heldenleben einer Diakonisse; Schwester Sofie Holzer, vom Martha-Maria-Verein in Nürnberg, als Opfer für das Vaterland gestorben in Brest Litowsk am 22. Oktober 1915. 32p. 8° Stuttg., 1915.

Wakeford, C. The wounded soldiers' friends; the story of Florence Nightingale, Clara Barton and others. 152p. 8° Lond., 1917.

American nurses in five wars. Clin. Excerpts, N. Y., 1944, **18**: 163–73.—**Dyer, E. M.** The 50. anniversary of the International Council of Nurses. Med. Bull. Europ. Command, 1949, **6**: No. 9, 15–21.—**Foote, J. A.** War and peace in the evolution of nursing. Trained Nurse, 1918, **61**: 69–71.—**Goodrich, A. W.** The vanguard of an international army. Am. J. Nurs., 1920–21, **21**: 855–63.—**Hosmer, G. E. H.** Louisa May Alcott: war nurse. Trained Nurse, 1932, **89**: 145–51.—**Infermiere** (Le) in pace e in guerra. Minerva med., Tor., 1940, **31**: pt 1, varia, 560–2.—**Ingle, A. S.** The war record of a Victorian woman. Nurs. Times, Lond., 1946, **42**: 897.—**Nursing** in 1941. Ibid., 1941, **37**: 1003–6.—**Sister** of Mercy tending a wounded soldier, picture by Mark Antokolsky. In: Collect. of portraits of the Library.—**Thompson, A.** Military nursing through the ages. J. R. Army M. Corps, 1947, **89**: 194–202.—**Zembrzuski, L.** [Woman in the role of the good Samaritan through history] Lek. wojsk., 1927, **9**: 681–90.

—— Industrial.

See **Industrial nursing.**

—— Instruction.

See also **Nurse,** Training.

Nursing education in wartime. N. Y., No. 1–14, 1942–45.

Crosno, G. M. The nurse instructor at a EUCOM training school. Med. Bull. Europ. Command, 1949, **6**: No. 8, 53–5.—**Dick, A.** A wartime refresher course. Canad. Nurse, 1941, **37**: 259–61.—**Gelinas, A.** Nursing education today, civilian and military. Mil. Surgeon, 1950, **106**: 203–7.—**Hoffert, F.** What is being done to meet present problems in the education of students. Tr. Am. Congr. Obst. Gyn. (1942) 1943, 2. Congr., 302–6.—**Holmes, M. C.** The educational programs available for graduate nurses in universities and colleges. Mil. Surgeon, 1950, **106**: 207–9.—**Ingravalle, A.** Prolusione ai corsi infermiere della C. R. I. per l'anno scolastico 1941–42. Gior. med. mil., 1941, **89**: 801–4.—**Nursing** instructions. Mil. Surgeon, 1941, **89**: 936.—**Phillips, E. C.** The preparation of the practical nurse. Ibid., 1950, **106**: 209.

—— Manual.

See also appropriate references under **Medical soldier; Military medicine,** Manual; **Naval medicine,** Manual, etc.

Barclay, M. K. 101 suggestions for ward instructions (specially adapted for use in military hospitals) 113p. 32° Lond., 1933.

France. Ministère de guerre. Service de Santé. Manuel du maitre-infirmier. 546p. 8° Par., 1934.

Mackintosh, J. M. War-time nurse. 246p. 17½cm. Edinb., 1940.

Mitchiner, P. H., & MacManus, E. E. P. Nursing in time of war. 169p. 13½cm. Lond., 1939. Also 2. ed. 145p. 13½cm. Lond., 1943.

Prussia. Kriegsministerium. Unterrichtsbuch für Lazarethgehülfen. 272p. 20½cm. Berl., 1886.

Schröder, W. Der Operationshelfer; Anleitung für den Sanitätsdienst im Feldoperationssaal. 35p. 8° Berl., 1936.

—— naval.

See also **Hospital ship.**

All in the day's work; on escort duty. Nurs. Times, Lond., 1942, **38**: 37.—**Barnes, I. M. L., & Wright, J. A.** Nursing aboard one of the world's largest ships. Nurs. Mirror, Lond., 1945, **80**: 357.—**Bowman, J. B.** History of nursing in the Navy. U. S. Nav. M. Bull., 1928, **26**: 123–31.—**H., L. J.** Nursing in the Navy. Nurs. Times, Lond., 1938, **34**: 233.—**Navy** (The) cares for its own; nursing care of two types of injuries, as practiced in a U. S. Naval Hospital in California. Trained Nurse, 1943, **110**: 97–9.—**Schwartz, D.** Nursing aboard a hospital ship. Am. J. Nurs., 1945, **45**: 996–8.—**Turner, S. C.** Nursing on a troopship. Nurs. Times, Lond., 1942, **38**: 76.

—— Standards.

Baehr, G. The Office of Civilian Defense and professional nursing standards. Am. J. Nurs., 1941, **41**: 1419.—**Holiman, L. H.** Maintaining standards of nursing service under wartime conditions. Hosp. Counc. Bull., 1944, **7**: No. 6, 12–8.—**Maintenance** of established standards of nursing education with special reference to the adjustment of teaching schedules to the accelerated nursing education program. Bull. Am. Coll. Surgeons, 1943, **28**: 223.

—— Technic.

See also **Operating room; Surgical technic.**

Amrein, A. Du und der Kranke; einige Winke für die häusliche Krankenpflege. Militärsanität, Zür., 1946, **28**: 94.—**Anderson,** Sister **H. B.** Surgical nursing in wartime. J. R. Army M. Corps, 1945, **85**: 287.—**Gilbert, E. W.** Bedside nursing. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 251–60. ——— Nursing technique. Ibid., 261–5.—**Kitchell, M. E.** Surgical nursing. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 4, 27–32.

—— in war.

See also **National defense,** Defense area: Hygiene (etc.)

Frontier Nursing Service. Frontier nursing in war. 20p. 23cm. Lexington, 1943.

Altendorfer, M. E. Wartime nursing care in representative general hospitals. Pub. Health Rep., Wash., 1945, **60**: 90–9.—**Arlt, I. v.** Die Fürsorgeschwester im Frieden und im Kriege (eine Erwiderung) Wien. klin. Wschr., 1913, **26**: 1278.—**Crumb, V.** Changes on the home nursing front. Trained Nurse, 1943, **110**: 424–7.—**Deming, D.** Some aspects of wartime nursing on the West Coast. Am. J. Nurs., 1944, **44**: 565–70.—**Ellis, K. W.** New ways in wartime. Canad. Nurse, 1942, **38**: 160–4.—**Geister, J. M.** Business as usual? Trained Nurse, 1942, **108**: 426–9. ——— Nursing trailways. Ibid., 1943, **110**: 361–4.—**Goostray, S.** War challenges professional effort. Am. J. Nurs., 1943, **43**: 662–4.—**H., R.** Important meeting on nursing in the war. Pub. Health Nurs., 1942, **34**: 239.—**Haupt, A. C.** Our war nursing program. Am. J. Nurs., 1942, **42**: 1381–5. Also South. Hosp., 1943, **11**: 13, &c. ——— Bottlenecks in our war nursing program. Am. J. Pub. Health, 1943, **33**: 666–70. ——— National war nursing program. Hospitals, 1943, **17**: No. 4, 26–30.—**Home** nursing care during the war. Med. Care, 1943, **3**: 79–81.—**McCracken, E.** The effect of the war on the nursing situation abroad. Mod. Hosp., 1917, **9**: 439–41.—**Martin, A. P.** How one district strengthened its organization for wartime activities. Am. J. Nurs., 1943, **43**: 1074.—**Nutting, A.** The relation of the war program to nursing in civil hospitals. Mod. Hosp., 1918, **11**: 339–42.—**Private** duty nursing in war-time. Am. J. Nurs., 1942, **42**: 1365.—**Report** on war time nursing problems. Med. Rec., N. Y., 1918, **93**: 898.—**Schwitalla, A. M.** Changing concepts of nursing seen as one result of war program. Hosp. Management, 1944, **57**: No. 6, 60–4.—**Seder, F. M.** More light on wartime nursing. Occupations, 1942–43, **21**: 643–5.—**Tattershall, L., & West, M. D.** Wartime nursing care in 604 general hospitals. Am. J. Nurs., 1944, **44**: 211–4.—**War-time** (For) health. Nurs. Times, Lond., 1940, **36**: 1273.—**Wartime** nursing is different. Am. J. Nurs., 1943, **43**: 835–8. Also J. Am. M. Ass., 1943, **123**: 99. Also Q. Rev., Wash., 1943, Sept., 5.—**Zeigler, F. H.** New nursing needs create new opportunities. Hospitals, 1943, **17**: No. 5, 72–5.

NURSING Council for War Service.

See also **Nurse,** National defense aspect.

United States. National Nursing Council for War Service. A guide for the organization of collegiate schools of nursing, prepared by the National Nursing Council for War Service and the Association of Collegiate Schools of Nursing. 35p. 23½cm. N. Y., 1942.

Curry, H. C. State Nursing Council for War Service. Bull. Dep. Health Kentucky, 1943–44, **16**: 134.—**Dickerson, D.** State Nursing Council on National Defense, and annual convention program. J. M. Ass. Georgia, 1941, **30**: 412.—**General** (The) Nursing Council for England and Wales. Brit. J. Nurs., 1941, **89**: 47.—**Grant, L. M.** Report of Joint Committee of the Connecticut Hospital Association and the Supply and Distribution Sub-Committee of the C. S. N. A. N. C. F. W. S. Connecticut M. J., 1943, **7**: 492.—**How** to organize local nursing councils on defense. Am. J. Nurs., 1942, **42**: 523.—**Jacobs, E. R.** Public health nurses and local nursing councils for war service. Month. Bull. Bd Health Indiana, 1943, **46**: 177.—**National** Nursing Council needs cooperation of physicians. J. Am. M. Ass., 1943, **121**: 842.—**New York** State Nursing Council for War Service, Bulletin No. 5, March 19, 1943. N. York State J. M., 1943, **43**: 777.—**State** nursing councils on defense. Am. J. Nurs., 1942, **42**: 203.—**Summary** of activities of National Nursing Council for War Service, Inc. Davis Nurs. Surv., 1943, **7**: 297.—**Wickenden, E. B.** National Nursing Council for war service sums up its efforts to meet the need for nurses. Mod. Hosp., 1943, **60**: No. 3, 76–8.

NURSING kit.

See also **Kit.**

Thorp, F. P. Flight nurses' utility case. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 3. ——— & **Cowart, J. R.** Development of a flight nurses' utility kit. Ibid., 1948, July, 26.

NURSING order.

Herring, N. Military nursing orders. Canad. Nurse, 1941, **37:** 489–91.—**Pazzini, A.** Cenni storici sui più noti ordini ospedalieri. Athena, Roma, 1941, **10:** 155–7.—**Steiner, J.** The military medical service of the Teutonic Order. Mil. Surgeon, 1907, **20:** 131–3.

NURSING school.

See under **School.**

NURSING service.

See also **Hospital service,** Nursing service; **Nurse Corps; Red Cross nursing.**

Barkley, E. M. Optimum use of nursing service in the war effort. Indust. M., 1943, **12:** 564. Also Indust. Nurs., 1943, **2:** No. 4, 11–3.—**Comparative** notes on military nursing services in twenty-five countries. Internat. Counc. Nurses, Geneva, 1928, **3:** 249–58.—**Deming, D.** War and post-war needs for nursing service. Med. Care, 1944, **4:** 103–14.—**Dennison, C.** Maintaining the quality of nursing service in the emergency. Mil. Surgeon, 1943, **92:** 617–26.—**Ferber.** Ueber öffentliche und Kriegs-Krankenpflege einst und jetzt. Rotes Kreuz, Berl., 1914, **32:** 556; 586.—**H., A.** La nurse de l'armée en France et en Amérique. Garde malade hosp., Bord., 1913, 129–33.—**Larsen, C. A.** Meeting nursing service problems during war time. Bull. Am. Coll. Surgeons, 1943, **28:** 196.—**Leitch, M. A.** Nursing service in war time. Ibid., 194–6.—**Nursing** service adjusts to wartime pressures. Am. J. Nurs., 1944, **44:** 537–40.—**Nursing** service in wartime. J. Am. M. Ass., 1943, **123:** 562.—**Robson, E. G.** Civilian nursing service in wartime. Hospitals, 1943, **17:** 36–8.

—— Air evacuation.

See under **Air evacuation,** Nursing.

—— field.

See also **Nursing,** Experiences.

Engel, D. D. I was married in battle. 7 l. 20½cm. N. Y., 1942.

Jolly, E. R. Nuns of the battlefield. 336p. 8° Providence, 1927.

Clayton, F. Front-line surgical nurses. Am. J. Nurs., 1944, **44:** 234.—**Day** in the life of a nurse at the front. Brit. J. Nurs., 1940, **88:** 62.—**Duty** (On) with the fighting forces. Canad. Nurse, 1943, **39:** 577–80.—**Francis, J. R.** The role of the Army nurse in field operations. Med. Bull. Europ. Command. 1949, **6:** No. 8, 56–8.—**Kirk, N. T.** Girls in foxholes. Am. Mag., 1944, May, 17, passim.—**Paxton, V. M.** With field hospital nurses in Germany; Army nurses serve forward combat units. Am. J. Nurs., 1945, **45:** 131–3.—**Todd, C. E.** Nursing under fire. Mil. Surgeon, 1947, **100:** 335–41.—**War** nursing on the military front. California West. M., 1943, **58:** 139.

—— Health nursing.

See as subdivision under **Nursing.**

—— by countries.

Boman, E. Arméförvaltningens sjukvårdsstyrelses förslag om anställande af sjuksköterskor vid arméns sjukhus. Tskr. mil. hälsov, 1909, **34:** 345–54.—**Giacobbe, C.** L'opera della infermiera nella organizzazione sanitaria militare per la difesa della nazione e del popolo. Gior. med. mil., 1940, **88:** 1–13.—**Meirelles, M. M.** Subsídios para o estudo das condições de enfermagem no exército. Rev. med. mil., Rio, 1949, **38:** 309–12.—**Wankowicz, M.** Poland's nurses in the Middle East. R. N., Rutherford, 1943–44, **7:** No. 7, 36, &c.

—— by countries: Canada.

See also **Nurse Corps,** Canada.

Canadian nurses plan for the emergency. Am. J. Nurs., 1941, **41:** 1420.—**Ellis, K. W.** The provinces go into action. Canad. Nurse, 1942, **38:** 239–42.—**Macleod, A. J.** Nursing service. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 78–84.—**Military** nursing in Canada. Am. J. Nurs., 1943, **43:** 729.—**Nursing** service, R. C. A. M. C. Canad. Nurse, 1941, **37:** 103.—**Nutting, A.** War conditions in the nursing world. Ibid., 1918, **14:** 1292; 1352.—**On** active service. Ibid., 1940, **36:** 675.—**Russell, M. G.** The Royal Canadian Naval Nursing Service. J. Canad. M. Serv., 1946–47, **4:** 161–6.—**Scarlett, E. P.** Till the barrage lifts. Canad. Nurse, 1940, **36:** 476–9.

—— by countries: Finland.

Nursing the wounded in Finland. Nurs. Times, Lond., 1940, **36:** 341.

—— by countries: France.

Elston, C. The nurse as patriot; the establishment of a military nursing service in France. Brit. J. Nurs., 1910, **45:** 205; 226.—**Fromaget, C.** De l'utilisation de la femme comme infirmière en temps de guerre; qualités et devoirs de l'infirmière. J. méd. Bordeaux, 1916, **46:** 123–6.—**Guerre** (La) et le travail féminin; la profession d'infirmière en France. Rev. philanthrop., Par., 1916, **37:** 225–47.—**Lande, P. L.** Les infirmières militaires en France. Garde malade hosp., Bord., 1908, 177–91.—**McGearey, A.** Nursing in France. Nurs. Times, Lond., 1942, **38:** 127.—**Noel.** L'insuffisance numérique des infirmiers militaires. Bull. méd., Par., 1911, **25:** 1059. ——— & **Yvon.** A propos de l'insuffisance numérique des infirmiers militaires. Ibid., 1912, **26:** 332.—**Pearce, J.** A front line nurse with the Free French. Am. J. Nurs., 1942, **42:** 1160–2.

—— by countries: Germany.

See also **Nurse Corps,** Germany.

Caemmerer, C. v. Berufskampf der Krankenpflegerin in Krieg und Frieden. 153p. 20cm. Münch., 1915.

Bedarf der Wehrmacht an Krankenschwestern. Deut. med. Wschr., 1943, **69:** 370. Also Klin. Wschr., 1943, **22:** 352. **Cofte.** Die Aufgabe der Frau im Kriege. Rotes Kreuz, Berl., 1913, **31:** 811–3.—**Gerlach.** Wie ist die freiwillige Krankenpflege in den Heeressanitätsdienst eingereiht? Deut. mil. ärztl. Zschr., 1913, **42:** 658–65.—**Hartleben.** Wehrmacht, Rotes Kreuz und freiwillige Krankenpflege. Deut. Aerztebl., 1940, **70:** 512.—**Holzhäuer.** Die freiwillige Krankenpflege und ihre Verwendung im Kriege. Zschr. ärztl. Fortbild., 1914, **11:** 523–6.—**Kimmle.** Die freiwillige Krankenpflege in Deutsch-Südwestafrika. Rotes Kreuz, Berl., 1906, **24:** 742.—**Riese.** Ueber die richtige Verwendungsstelle der Krankenschwestern und Pflegerinnen im Kriege. Med. Klin., Berl., 1915, **11:** 8.—**Schalbe, J.** Aus der Organisation der weiblichen Kriegskrankenpflege. Deut. Rev., 1915, **1:** 361–71.—**Schultzen.** Ausbau der Krankenfürsorge in der Armee neben der Kasernen- und Lazarettpflege. In: Schjerning Festschr., Berl., 1913, 191–204.—**Stiassny, S.** Die Stellung der Frau im Feldsanitätsdienst. Wien. klin. Wschr., 1914, **27:** 1164.

—— by countries: Great Britain.

See also **Nurse Corps,** Great Britain.

Great Britain. War Office. Nursing in the Army. 12p. 12° Lond., 1938.

A., K. F. Liverpool gives thanks to its women. Nurs. Times, Lond., 1941, **37:** 415.—**American** nurses in England. Am. J. Nurs., 1941, **41:** 490, group portr.—**Britain** meets increased demand for nurses in time of war. Ibid., 214.—**British** (The) nurse keeps faith in troublous times. Trained Nurse, 1940, **105:** 362.—**Churchill** (Mr.) reviews London nurses of the Civil Defence Services. Nurs. Times, Lond., 1941, **37:** 575.—**Heroism** of British nurses. Brit. J. Nurs., 1940, **88:** 146.—**Horder, Goodall, F. G., & Blair-Fish, H. M.** Report of the Nursing Reconstruction Committee. Nurs. Times, Lond., 1942, **38:** 596–600.—**Jones, K.** Las enfermeras británicas en el frente de combate. Medicina, Habana, 1943, 1: No. 8, 8–10.—**Lovell, P.** Britain's battle front nurses. Am. J. Nurs., 1944, **44:** 872.—**MacManus, E. E. P.** To the nurses of Guy's Hospital. Australas. Nurs. J., 1941, **39:** 86.—**Nurses** (The) and Midwives Order, 1943. Nurs. Times, Lond., 1943, **39:** 229.—**Parliament** (In) the shortage of nurses' debated. Ibid., 1942, **38:** 459.—**Phillips, E. C.** British nurses face the war. Pub. Health Nurs., 1942, **34:** 685–9.—**Shortage** of nurses and war services [Great Britain] J. Am. M. Ass., 1939, **113:** 608.—**Women** in uniform; work in Great Britain. Australas. Nurs. J., 1941, **39:** 97.

—— by countries: India.

Arkle, A. The Indian Army Nursing Service. Internat. Congr. Nurses, 3. Congr., 1901, **3:** 308–13.—**Patterson, J. A.** Queen Alexandra's Imperial Military Nursing Service. Nurs. J. India, 1944, **35:** 118–20.—**Pedley, J. I.** The Royal Indian Naval Nursing Service. Ibid., 121.—**Watt,** The work of the Indian Army Nursing Service. Internat. Congr. Nurses, 3. Congr., 1901, **3:** 314–8.—**Willmott, M.** The Indian Military Nursing Service. Nurs. J. India, 1944, **35:** 117.

—— by countries: Russia.

Gruliow, L. Report from Russia. R. N., Rutherford, 1942–43, **6:** No. 7, 18; 60.—**Ivashov, N. N.** Sestry miloserdija v Russkoj Armii. Voen. med. J., Moskva, 1945, No. 12, 46–50.—**Mason, F.** Russia's front-line girl friends. Am. J. Nurs., 1944, **44:** 933.—**Rybasov, V. A.** Pervye russkie sestry miloserdija po ukhodu za ranenymi i bolnymi v voennykh hospitaljakh Med. sestra, Moskva, 1949, 20–2.

—— by countries: United States.

See also **Nurse** subheadings (Drafting; National defense aspect; Procurement and assignment)

United States. Congress. House of Representatives. Committee on Interstate and Foreign Commerce. Recruiting and training of nurses; hearing before a subcommittee of the Committee on Interstate and Foreign Commerce, House of Representatives, Seventy-eighth Congress, first session, on H. R. 2326, a bill to provide for the training of nurses for the Armed Forces, governmental and civilian hospitals, health agencies, and war industries, through grants to institutions providing such training, and for other purposes; May 6, 1943. 51p. 23½cm. Wash., 1943.

Bell, C. A., & Miller, K. M. The nursing situation in Pennsylvania. Pennsylvania M. J., 1940–41, **44**: 909–11.—**Organization** of nursing in defense. Am. J. Nurs., 1941, **41**: 1415. Also Pub. Health Nurs., Utica, 1941, **33**: 736.

—— by countries: United States: Army.

See also **Nurse Corps,** United States: Army.

Army (The) nurse. Wash., v.1, 1944–

Blanchfield, F. A., & Standlee, M. W. Organized nursing and the Army in three wars. 2v. 730p. MS [Before 1950]

MS. in Histor. Div. SGO U. S. Army.

Aynes, E. A. Army nursing. Am. J. Nurs., 1940, **40**: 539–42.—**Blech, J.** If you were a nurse at Camp Dix? Trained Nurse, 1941, **106**: 192–5.—**Connor, I. E.** Army nursing at Camp Blanding, Florida. Johns Hopkins Nurs. Alumnae Mag., 1942, **41**: 13–5.—**De Witt, J.** R. N. goes to Fort Dix. R. N., Rutherford, 1941–42, **5**: No. 2, 20–4.—**Sale, F.** Army nursing at Fort Lewis. Pacific Coast J. Nurs., 1942, **38**: 653.—**Stimson, J. C.** The Army Nursing Service as one of the educational functions of the Medical Department. Proc. Am. Nurs. Ass., 1924, **24**: 89–95.—**Witmer, S. K.** Army nursing at Indiantown Gap Military Reservation, Pennsylvania. Johns Hopkins Nurs. Alumnae Mag., 1941, **40**: 131–3. —— Nursing at Indiantown Gap Military Reservation, Penna. Ibid., 1942, **41**: 12.

—— by countries: United States: Navy.

See also **Nurse,** navy; **Nurse Corps,** United States: Navy.

Lewis, B. The naval nursing service. Nurs. Times, Lond., 1939, **35**: 626.—**Wood, M. G.** Naval nursing service. Am. J. Nurs., 1918–19, **19**: 100–5.

NUTRITION.

See also **Food; Food inspection; Food supply; Gas warfare,** Nutritional aspect; **Ration; Ration supply; Research,** Food; **Wounded.**

Silva, V. P. da. *Alimentação do soldado. 77p. S? Bahia, 1910.

United States. War Department. Technical bulletin TB MED 23: Food and nutrition. 12p. 26cm. Wash., 1944.

Dyer, A. J. Nutrition in the Army. Mil. Surgeon, 1945, **96**: 342–4.—**Epstein, M. H.** The nutrition of the soldier. Ibid., 1941, **89**: 872–7. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 466–71.—**Ernährung** (Die) der Soldaten. Schweiz. med. Wschr., 1938, **68**: 659.—**Halden, W.** Biologische Ernährungslenkung. Klin. Wschr., 1940, **19**: 95.—**Howe, P. E.** Nutrition as it affects military personnel. Med. Clin. N. America, 1943, **27**: 581–92.—**Mottram, V. H.** Dietetics; revaluation in terms of war conditions. Practitioner, Lond., 1941, **147**: 630–5.—**Mystery** of alimentation. J. R. Army M. Corps, 1940, **75**: 108–13.—**Nutrition.** Bull. U. S. Army M. Dep., 1945, **4**: 334.—**Roe, J. H.** Nutrition; a weapon for war and a peace-time safeguard. Confidential from Washington, 1944, No. 15, 1–6.—**Stephenson, B.** Nutrition. Hosp. Corps Q., 1943, **16**: No. 3, 61.—**Studies** in nutrition. J. R. Army M. Corps, 1940, **75**: 255–60.

—— animal.

See also **Nutrition service,** animal.

Campbell, P. A. Nutrition in large animals as influenced by the war. J. Am. Vet. M. Ass., 1943, **103**: 164 (Abstr.)—**Hunter, J. E.** Wartime problems in poultry and animal nutrition. Ibid., **102**: 217–20.—**Pimentel, W.** Nutrição animal. Rev. mil. med. vet., Rio, 1938, **1**: 685–716.—**Report** of the Subcommittee on Nutrition of the Pet Animal Industry Advisory Committee of the War Food Administration. J. Am. Vet. M. Ass., 1943, **103**: 186.

—— Caloric and other requirements.

See also **Ration,** Value: Testing.

Mitchell, H. H., & Edman, M. Nutrition and resistance to climatic stress, with particular reference to man. 112p. 27cm. S. Louis, 1949.

Webster, A. P. Caloric requirement of man in cold climates; theoretical considerations. 17p. 26cm. Wash., 1947.

Forms Rep. No. 1, Proj. NM 013 009 (or, X–766) Bur. M. & S. U. S. Navy, & NAVMED 1199.

Behnke, A. R. Minimal salt and water requirement of fasting men. Sympos. Mil. Physiol., Wash., 1947, 58.—**Bickel, A.** Die Art der Eiweissernährung als Grundlage körperlicher Leistungssteigerung. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 25–45.—**Bürger, M.** Kalorimetrische Untersuchungen über die Ausnutzung der Kriegskost. Zbl. allg. Path., 1942–43, **80**: 302 (Abstr.)—**Deschwanden, J.** Ernährung und körperliche Leistung bei Soldaten. Schweiz. med. Wschr., 1940, **70**: 167; 1019.—**Dill, D. B., & Johnson, R. E.** Feeding problems in man as related to environment. Project Abstr. Com. Food Res. Quartermast. Gen., 1946, NU–33, 1.—**Ershoff, B. M.** Studies of carbohydrates, fats, minerals, and vitamins at various levels of reduced caloric intake. Ibid., 1945, NU–20, 1.—**Johnson, R. E., Sargent, F.** [et al.] Assessment of nutritional and metabolic condition in the field. War Med., Chic., 1945, **7**: 227–33.—**Lang, K.** Die Bedeutung des Fettes für die Ernährung des Soldaten. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 46–58.—**Lepkovsky, S.** Nutritional studies on effects of adequate, low caloric and water intakes. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–19, 1.—**Logan, P. P.** Army food and fighting efficiency. Food Indust., 1942, **14**: No. 5, 33–6.—**Long, C. N. H.** Biological value of proteins and protein derivatives. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–24, 1.—**McCance, R. A., Peters, R. A.** [et al.] Wartime dietary; mineral and vitamin requirements. Brit. M. J., 1942, **1**: 731.—**McGavack, T., & Schwimmer, D.** Protein metabolism studies on reduced caloric and water intakes. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–9, 1–3.—**Medina Hoppe, D. G.** Factores de vida y principios de nutrición. Rev. mil. Perú, 1943, **40**: pt 3, 141–63.—**Mineral** and vitamin requirements and war-time dietary. Lancet, Lond., 1942, **1**: 679–81.—**New** wartime nutrition chart. J. Am. M. Ass., 1943, **122**: 607.—**Nutrition** and recovery from injury and disease. Bull. U. S. Army M. Dep., 1945, No. 84, 5.—**Pitts, G. C., Consolazio, F., & Johnson, R. E.** Dietary protein and physical fitness in temperate and hot environments. Clin. Invest. Rep. (OSRD) Wash., 1943, No. 21, 1.—**Pollack, H., French, C. E., & Berryman, G. H.** Calories expended in military activities. Bull. U. S. Army M. Dep., 1944, No. 74, 110–4.—**Resofszki, P.** A téli élelmezés kérdései. Honvédorvos, 1950, **2**: 644–7.—**Stare.** Effect of cold on nutritional requirements. Res. Program U. S. Army M. Res. Bd, 1947, July, 29.—**Swanson, E. W.** Nutritional standards. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 1, 26–9.—**Wilder, R. M.** Nutritional requirements in time of war. N. England J. M., 1943, **229**: 495–8.

—— Hygiene.

See also **Food handler; Food infection; Food inspection.**

Dechigi, M. L'igiene alimentare nei suoi riflessi di guerra. Difesa sociale, 1941, **20**: 583–609.—**Guimãraes Alves, S.** Higiene alimentar do soldado. Rev. méd. brasil., 1944, **17**: 725–32.

—— National defense aspect.

See also various headings beginning with **Food,** also **Industrial worker,** Diet in wartime; **Nutrition service**—by countries: United States.

Mahner, A. Die Volksernährung im Kriege. 40p. 22½cm. Prag, 1915.

Pulay, E. Nutrition and victory. 118p. 21cm. Lond., 1941.

America builds food defense. Science News Lett., 1940, **38**: 170–2.—**Anderson, H. B.** A discussion of the national nutrition conference for defense, particularly as it relates to the physician. Pennsylvania M. J., 1941–42, **45**: 1070–3.—**Bakkie, M. B.** The Red Cross program in relation to national defense. J. Am. Diet. Ass., 1941, **17**: 21–3.—**Barber, M. I.** Keeping soldiers and civilians nutritionally fit. Ibid., 1943, **19**: 107–9.—**Bauer, W. W.** Food will win the war. Health, Mount. View, 1942, **9**: No. 5, 8, &c.—**Beard, H. H.** Nutrition and national defense. Tristate M. J., 1942–43, **15**: 2834–40.—**Becker, J. E.** Nutrition in national defense. Illinois Health Mess., 1941, **13**: 28–30.—**Boudreau, F. G.** Nutrition in national defense. Am. J. Pub. Health, 1941, **31**: 977–83.—**C., I.** Nutrition and national defense. J. Philippine M. Ass., 1941, **21**: 309–11.—**Campaign** for correct diet for civilian defense. J. Am. M. Ass.,

1942, 118: 55.—**Cummings, R. O.** Nutrition for defense (1940–41) In his American & His Food, 2. ed., Chic., 1941, 229–49.—**Drazin, M. L.** Nutrition and national defense. Mil. Surgeon, 1941, 88: 39–50.—**Food** and man-power. J. Am. Diet. Ass., 1942, 18: 23.—**Food** will win the war. Week. Bull. California Dep. Pub. Health, 1942–43, 21: 61–3.—**Gauss, H.** Protective foods in time of war. Rocky Mountain M. J., 1943, 40: 174–8.—**Goodhart, R. S.** The nutrition of war workers. J. Am. Diet. Ass., 1943, 19: 95–7.—**Gross, M. Z.** The food we eat. Hygeia, Chic., 1943, 21: 124; 202.—**Harding, T. S.** Better nutrition and the food for freedom program. J. Am. Diet. Ass., 1942, 18: 230–2.—**Harris, S.** The food factor in winning the war. Mississippi Doctor, 1941–42, 19: 383–6.—**Ignatieff, F.** Nutrition in war industry. Canad. Pub. Health J., 1942, 33: 571–4.—**Illinois** conference on nutrition for defense. J. Am. Diet. Ass., 1942, 18: 622.—**Koehne, M.** Nutrition in a national defense program. Ohio M. J., 1942, 38: 24–8.—**Leavell, H. R.** Food and the war. Kentucky M. J., 1942, 40: 282.—**MacKinnon, F.** Nutrition and national defense. Arizona Pub. Health News, 1941, 34: No. 4, 1. ——— The war and the American Dietetic Association; a review. J. Am. Diet. Ass., 1944, 20: 1–3.—**McLester, J. S.** Nutrition and the nation at war. Bull. N. York Acad. M., 1942, 18: 497–507. ——— War and the nutrition of the nation. J. Tennessee M. Ass., 1942, 35: 219.—**Maynard, L. A.** Some interrelated problems of the animal industry and of human nutrition in the war emergency. J. Animal Sc., 1944, 3: 88–90.—**Miller, T. G.** The significance of nutrition in relation to war. Week. Roster, Phila., 1941–42, 37: 1192–4.—**Mitchell, H. S.** Nutrition defense committees. Child, Wash., 1941, 6: 70–2. ——— Nutrition is an important phase of defense. Med. Woman J., 1941, 48: 151–4.—**Moore, M. C.** Nutrition and national defense. Q. Bull. Louisiana Bd Health, 1941, 32: No. 1, 6.—**Morgan, A. F.** Nutrition and defense. Am. J. Digest. Dis., 1941, 8: 156–60.—**Moura Campos, F. A. de.** Pesquisas sôbre a alimentação para a defesa nacional. Rev. méd. brasil., 1944, 16: 93–112.—**Musser, J. H.** Symposium on health protection of civilians in the present war; nutrition. N. Orleans M. & S. J., 1942–43, 95: 70–3.—**Newsholme, H. P.** Nutrition and the welfare of the public in wartime and afterwards. Nurs. Times, Lond., 1941, 37: 1022.—**Nutrition** and defense. N. England J. M., 1941, 225: 706.—**Nutrition** in the defense program in Virginia. J. Am. Diet. Ass., 1942, 18: 389.—**Nutrition** and national defense. Week. Bull. California Dep. Pub. Health, 1940–41, 19: 165–7.—**Nutrition,** a part of the defense program. Week. Bull. Oregon Bd Health, 1942, 20: No. 6, 1–4.—**Okey, R.** The literature of the wartime nutrition movement. California West. M., 1944, 61: 299.—**P., H.** jr. Nutrition and national defense. Pennsylvania Health, 1941–42, 2: No. 7, 26–8.—**Parran, T.** Health, nutrition and national defence. Canad. Pub. Health J., 1942, 33: 99–104.—**Patry, F. L.** Psychiatric aspects relative to nutrition and some other factors at work for national defense. J. School Health, 1942, 12: 187–90.—**Pennsylvania** (The) meeting on nutrition and consumer problems for defense. Pennsylvania Health, 1941–42, 2: No. 8, 12–4.—**Potts, A. M.** Nutritional problems of national defense. Science, 1941, 93: 539.—**Pybus, R.** The protective diet. Edinburgh M. J., 1944, 51: 21–38.—**Reeves, R. S.** Nutrition and national defense. Guthrie Clin. Bull., 1941–42, 11: 68–70.—**Rice, J. L.** Nutrition to play an important part in war. Certif. Milk, 1942, 17: No. 191, 3.—**Rorty, J.** Total defense and public health; the importance of nutrition in the present crisis. Harpers Mag., 1941, March, 375–85.—**Rugo, H. J.** Nutritional quality of the national diet. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 284–90.—**Schellberg, C.** Nutrition and preparedness. Bull. Dep. Health Kentucky, 1941–42, 14: 418–20.—**Shapiro, R. P.** Good nutrition the key to victory. Philadelphia M., 1941–42, 37: 1483.—**Tisdall, F. F.** Two years' experience in a nutrition program for national defense. Am. J. Pub. Health, 1941, 31: 1289–92.—**Tucker, A.** Keeping civilians nutritionally fit. J. M. Ass. Alabama, 1942–43, 12: 286.—**Underhill, E.,** jr. Nutrition as a defense measure. J. Am. Inst. Homeop., 1943, 36: 271–4.—**United States** defense program increases cost of food for institutions. Welf. Bull., Springf., 1941, 32: No. 12, 17.—**Valentine, C.** Nutrition and national defense. R. N., Rutherford, 1940–41, 4: No. 12, 16–9.—**Wallace, H. A.** Nutrition and national defense. Proc. U. S. Nat. Nutr. Conf., 1941, 35–40.—**Wilder, R. M.** Nutritional problems as related to national defense. Am. J. Digest. Dis., 1941, 8: 243–5. ——— Nutrition and national defense. J. Am. Diet. Ass., 1942, 18: 1–8. Also Med. Woman J., 1942, 49: 43–51. ——— **& Williams, R. D.** Nutrition and national defense. Minnesota M., 1941, 24: 1049–52.—**Wilson, M. L.** Nutrition and defense. J. Am. Diet. Ass., 1941, 17: 12–20.

—— Physiology.

Chaikoff, I. L. Absorption of fat in various nutritional environmental states. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–31, 1.—**Ershoff, B. H.** Effect of carbohydrate and polysaccharide-containing items on appetite. Ibid., NU–21, 1.—**Fierro del Río, M. C. L.** Nociones de nutriología. Rev. Esc. méd. mil., Méx., 1944, 3: No. 14, 16; passim.—**MacKay, E. M.** Effect of pre-feeding on the ability to withstand an adverse environment. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–11, 1.—**Miller, E. G.,** jr, **& Rittenberg, D.** Application of isotope technique to study of food utilization. Ibid., NU–30, 1.—**Samuels, L. T.** Effect of previous diet on the ability of animals to withstand adverse conditions. Ibid., NU–14, 1.—**Thomas, J. E., & Cantarow, A.** Studies on the physiology of appetite. Ibid., NU–16, 1.—**Wangensteen, O. H.** Effect of spices and condiments on the gastric mucosa and gastric secretion. Ibid., NU–15, 1.—**Zucker, T. F.** Study of appetite depressants in relation to ration acceptability. Ibid., NU–22, 1.

—— Problems.

See also **Nutrition service,** Problems.

Marrack, J. R. Food and planning. 285p. 20½cm. Lond., 1943.

Bacharach, A. L. Some nutritional problems of war and peace. Australas. J. Pharm., 1941, 22: 206.—**Barborka, C. J.** Nutritional problems in wartime. Am. J. Digest. Dis., 1942, 9: 309–12. Also Med. Soc. Rep., Scranton, 1943, 37: No. 3, 19.—**Drummond, J. C.** Problems of war-time nutrition; the background to the study of nutrition in war time. J. R. Inst. Pub. Health, 1943, 6: 12; 36. ——— Measures taken to maintain a good nutritional condition of the people in war time. Ibid., 66–73.—**Eddy, M. H.** Nutrition problems in health defense. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 125–9.—**Ertel.** Kriegsernährungsfragen. Oeff. Gesundhdienst., 1940–41, 6: B, 125–8.—**Fleisch, A.** Problemas de alimentación en tiempos de escasez de viveres (transl.) Rev. san. mil. argent., 1948, 47: 331–9.—**Gigon, A.** Einiges zu wenig Beachtetes in Ernährungsfragen. Schweiz. med. Wschr., 1942, 72: 986.—**Gonzenbach, W.** Zur Problematik der Kriegsernährung. Praxis, Bern, 1943, 32: 146.—**Heupke, W.** Ernährungsprobleme der Gegenwart. Jahrkurs. ärztl. Fortbild., 1943, 34: H. 3, 22–32.—**Howe, P. E.** Nutritional problems of the Army. Mil. Surgeon, 1942, 90: 253–66. ——— Nutritional problems emphasized by the war. Nutrit. Rev., 1942–43, 1: 353.—**Kammerer, P.** Krieg und Kultur als Ernährungsfrage. Oesterr. San. Wes., 1915, 27: 701–12.—**Lang.** Ernährungsfragen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 215.—**Lorenz, A. J.** California's food problem in a wartime nutrition program. California West. M., 1944, 61: 285–7.—**Martin, E.** L'expérience de la guerre et les problèmes de l'alimentation. Méd. & hyg., Genève, 1948, 6: 125.—**Mayoral Pardo, D.** Disquisiciones sobre problemas nutricionales, en la catedra de terapéutica médica. San. mil., Méx., 1948, 1: 11–6.—**Mitchell, H. S.** Our own nutrition problems. J. Am. Diet. Ass., 1942, 18: 9–11.—**Problemas** (Los) de la alimentación humana y las enseñanzas de la guerra mundial. Reforma méd., Lima, 1943, 29: 121–7.—**Tobey, J. A.** The Army's nutritional problems. War Med., Chic., 1942, 2: 437–44.—**Wilbur, D. L., Carlson, A. J.** [et al.] Civilian wartime problems in nutrition, from the standpoint of the physician; a symposium. California West. M., 1944, 61: 281–300.—**Youmans, J. B., & Guest, G. M.** Problems of nutrition. In: Advance. Mil. Med., Bost., 1948, 2: 473–87.—**Zeller, A.** Ernährungsprobleme in der Armee. Med. Klin., Berl., 1940, 36: 854. Also Münch. med. Wschr., 1940, 87: 818. Also Schweiz. med. Wschr., 1940, 70: 705; Disc., 1941, 71: 207.

—— in war.

See also other subheadings; also **Nutrition survey.**

Bourne, G. Nutrition and the war. 2. ed. 148p. 19cm. Cambr., Engl., 1942.

Brady, M. Y. Health for all; wartime recipe book. 116p. 19cm. Lond., 1942.

British Medical Association. The doctors tell you what to eat in war time. 16p. 21cm. Lond., 1941.

Craig, E. Cooking in war-time. 120p. 20cm. Glasgow, 1940.

Démeusy, M. L. *Etude des aliments de complément à la ration du temps de guerre. 152p. 23½cm. Par., 1943.

Great Britain. Ministry of Information. Wartime food for growing children. 25p. 18cm. Lond., 1942.

Massachusetts Committee on Public Safety. Division of Health and Social Services. War emergency nutrition guide. 36p. 19½cm. Bost., 1943.

Recknagel, K. Diät in Kriegszeiten. 76p. 23½cm. Lpz., 1939.

United States. Agriculture Department. War Food Administration. Nutrition and Food Conservation Branch. National wartime nutrition guide. 1 fold. l. 23cm. Wash., 1943.

Benjamin, H. War-time diet experiences. Health Cult., N. Y., 1942, 48: No. 4, 38.—**Bing, F. C.** Nutrition in the war.

J. Laborat. Clin. M., 1942–43, **28**: 1295–304.—**Boudreau, F. G.** Nutrition in war and peace. Canad. J. Pub. Health, 1947, **38**: 381–9.—**Bourne, G.** Nutrition and the war. Nature, Lond., 1942, **149**: 666.—**Bowes, A. D.** Nutrition teaching in wartime. J. Am. Diet. Ass., 1944, **20**: 155–7.—**Browne, J.** Nutrition in war time. Cath. M. Guard., Lond., 1941, **18**: 101–3.—**Coward, K. H.** Nutrition in wartime. Pharm. J., Lond., 1939, **89**: 425.—**Davidson, L. S. P.** Nutrition and diet in war-time. Edinburgh M. J., 1944, **51**: 430–8.—**Deitrick, S. S., & Clouse, C.** Adequate diets for mothers and children under rationing. Child, Wash., 1943–44, **8**: 51–3.—**Dragotti.** L'alimentazione dei sani e dei malati in tempo di guerra. Policlinico, 1942, **49**: sez. prat., 1738–40.—**Drummond, J. C.** Nutrition in wartime. Pharm. J., Lond., 1942, **95**: 171; 180. ——— War-time nutrition and its lessons for the future. Brit. Food J., 1943, **45**: 111; passim. ——— Nutrition lessons from the war. Nurs. Times, Lond., 1946, **42**: 282.—**Ernährung** und Schule. Praxis, Bern, 1943, **32**: 874.—**Goodhart, R. S.** Nutrition in war and peace. Proc. Am. Pharm. Manuf. Ass., 1946, **39**: 69–73.—**Greenbie, M. L. B.** The colorful art of nourishment. In her Art of Living in War., N. Y., 1943, 121–38.—**Griffith, W. H.** Nutrition. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 4, 1–44, 18 pl., 14 tab.—**Gunderson, F. L., & Gortner, R. A.** Wartime and postwar trends in food and nutrition. J. Am. Diet. Ass., 1944, **20**: 160–2.—**Hardgrove, G. G.** Practical interpretation of nutrition in war time. California West. M., 1944, **61**: 100.—**Harris, R. S.** Nutrition in war. N. England J. M., 1941, **225**: 575–8.—**Horder.** Foreword to four articles on diet in wartime. Med. Press & Circ., Lond., 1944, **211**: 210. ——— Diet in war time; foreword. Ibid., 1945, **214**: 3.—**King, C. G., Eddy, W. H.** [et al.] Nutrition as a science in wartime. Am. J. Pub. Health, 1944, **34**: 774–9.—**Konrich.** Die Ernährung im Kriege und ihre Lehren. Münch. med. Wschr., 1934, **81**: 1190–5.—**Kriegsernährung** und Gesundheit. Praxis, Bern, 1943, **32**: 205.—**McCune, D. J.** Postwar nutrition problems. J. Am. Diet. Ass., 1943, **19**: 557–9.—**Magee, H. E.** Nutrition in war-time. Pub. Health, Lond., 1942–43, **56**: 126–8. ——— Some aspects of nutrition in war-time. J. M. Ass. Eire, 1945, **17**: 98–104.—**Medico-military** symposium on nutrition. Mil. Surgeon, 1942, **90**: 102. Also N. York State J. M., 1942, **42**: 63.—**Mottram, V. H.** War time nutrition. Proc. Cardiff M. Soc., 1939–40, 77–88. ——— Diet in war-time. Practitioner, Lond., 1940, **144**: 258–67.—**Murlin, J. R.** Nutrition in the First World War and now. Proc. U. S. Nat. Nutr. Conf., 1941, 23–9.—**Newsholme, H. P.** Nutrition and the welfare of the public in wartime and afterwards. Nurs. Times, Lond., 1941, **37**: 1022; passim.—**Nutrição** na guerra. Resenha clin. cient., S. Paulo, 1944, **13**: 187–91.—**Nutrition.** In: Prev. Med. in World War II, Wash., 1948, **5**: 3; **8**: 91.—**Nutrition** in wartime. Brit. M. J., 1940, **1**: Suppl., 63. Also Med. Off., Lond., 1943, **69**: 130. Also Rep. M. Res. Counc., Lond. (1939–45) 1948, 96–130.—**Osborne, W. A.** Nutrition in wartime. Australas, J. Pharm., 1943, **24**: 184.—**Our** country at war. J. Am. Diet. Ass., 1942, **18**: 94.—**Parran, T.** Nutrition and war. J. Pediat., S. Louis, 1941, **19**: 748–54.—**Rockwood, P. R.** Lessons of nutrition derived from the Great War. Diet. Admin. Ther., 1925, **3**: 377–85.—**Schenck, E. G.** Diätetik im Kriege. Deut. med. Wschr., 1944, **70**: 68–70.—**Schulz, T.** A human needs diet in war time; changes from March 1941 to November 1941. Nutrit. Abstr., Aberdeen, 1941–42, **11**: 629 (Abstr.) ——— Changes from November 1941 to April 1942. Ibid., 1942–43, **12**: 286 (Abstr.)—**Selling, L. S.** A consideration of certain psychological factors in the wartime nutritional program. Med. Rec., N. Y., 1943, **156**: 406; passim.—**Sevringhaus, E. L.** Making ration-limited diets adequate. Wisconsin M. J., 1943, **42**: 517–9.—**Simmonds, R.** The people's diet in war-time. Nurs. Times, Lond., 1940, **36**: 785.—**Stare, F. J.** How best to eat under war conditions. N. England J. M., 1943, **228**: 809–14.—**Sydenstricker, V. P.** Nutrition under wartime conditions. Bull. N. York Acad. M., 1943, **19**: 749–65. Also Bull. Univ. Hosp. Georgia, 1943, **5**: No. 3, 1–16. Also Harvey Lect., Balt., 1942–43, **38**: 255–73.—**Symposium** on wartime nutrition. Bull. M. Soc. Co. Erie, 1943, **20**: No. 6, 10.—**Vaughn, M.** Good nutrition under rationing. Am. J. Nurs., 1943, **43**: 1002–6.—**Verney, L.** Alimentazione di guerra. Ann. igiene, 1944, **54**: 14–6.—**Walker, A. R. P.** Nutritional lessons to be learnt from war-time experiences. S. Afr. M. J., 1949, **23**: 210–3.—**War-time** dietary. Nurs. Times, Lond., 1942, **38**: 673.—**Wartime** diets. Physician Bull., 1943, **8**: 176–80.—**War-time** nutrition. Med. Off., Lond., 1942, **67**: 170.—**Wickard, C. R.** I ask you to understand. J. Am. Diet. Ass., 1943, **19**: 768–70.—**Youmans, J. B.** Nutrition and the war. N. England J. M., 1946, **234**: 773–83.

NUTRITIONAL relief.

See under **Relief.**

NUTRITIONAL state.

See **Nutrition survey.**

NUTRITION laboratory.

See also **Medical laboratory.**

Army's (The) Medical Nutrition Laboratory. Nutrit. News, Chic., 1947–48, **11**: 9.—**Burton, L. V.** Army's food lab in Australia. Food Indust., 1944, **16**: 877–9.—**Johnson, R. E.** A field nutritional laboratory. War Med., Chic., 1945, **7**: 222–6.—**Krotkov, F.** Nauchno-issledovatelskij institut pitanija Vooružennykh sil SSSR. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1263.—**Medical** (The) Nutrition Laboratory. Bull. U. S. Army M. Dep., 1945, No. 84, 18–20.—**Pevzner, M. I.** [Rescarch and practical work of the clinic of therapeutic alimentation of the Institute of Nutrition in Moscow during the present war] Sovet. zdravookhr., 1944, No. 9, 39–46.

NUTRITION service.

See also **Canteen; Commissary; Diet; Food rationing; Hospital service,** Food supply and diet; **Industrial worker,** Diet in wartime; **Food laboratory; Mess; Ration; Ration supply.**

FRIEDMAN, R. B. The feeding of war workers; a selected, annotated bibliography. Rev. ed. 15p. 23cm. Princeton, 1943.

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE. Communal dietarics in wartime. 48p. 21½cm. Lond., 1939.

KITTEL, W., SCHREIBER, W., & ZIEGELMAYER, W. Soldatenernährung und Gemeinschaftsverpflegung. 337p. 23cm. Dresd., 1939.

Feeding the children in wartime. Brit. M. J., 1941, **2**: 676.—**García, G. G.** Los efectivos del Ejército en guerra. Consult. internac., S. José, 1939, **13**: 156; passim.—**Garfield, Z. H.** Feeding the Army! Hygeia, Chic., 1940, **18**: 1058–63.—**Howe, P. E.** Nutritional aspects of feeding an army. J. Am. M. Ass., 1942, **120**: 93–6.—**Isker, R. A.** Army feeding will affect foods of the future. Food Indust., 1942, **14**: No. 11, 41.—**Soldiers** help to set new food fashions. Science News Lett., 1941, **40**: 153.—**Varnoux A., E.** La alimentación al Ejército y a la población civil en tiempo de guerra. Rev. mil., La Paz, 1943, **7**: 571–6.

—— animal.

See also **Nutrition,** animal.

Deane, D. L. Rations for military animals. Vet. Bull., Wash., 1940, **34**: 208–18.—**Miller, R. C.** Wartime problems of feeding and nutrition. J. Am. Vet. M. Ass., 1943, **102**: 300–3.—**Wartime** feeding of pets. North Am. Vet., 1943, **24**: 423.

—— Aviators.

See also **Flying,** Metabolic effect; **Ration,** Aviators.

UNITED STATES. AIR FORCE. AERO MEDICAL LABORATORY. Memorandum report No. MCREXD-691-2B: A[ir] M[aterial] C[ommand] Conference on in-flight feeding, 2–3 May 1949. 35p. 26½cm. Dayton, 1949.

Backmund, K. Die Ernährung des Höhenfliegers. Deut. Militärarzt, 1937, **2**: 169–71.—**Bierman, H. R.** Nutrition in aviation medicine. War Med., Chic., 1943, **3**: 1–19.—**Csefkó, I., Gábor, I., & Szák, J.** A repülő hajózók élelmezési problémái. Honvédorvos, 1950, **2**: 686–94.—**García Conde, F. J.** Alimentación del personal volante. Rev. españ. med. cir. guerra, 1945, **7**: 401–12.—**Gray, M. E.** The problem of feeding Army Air Forces flying personnel. J. Am. Diet. Ass., 1945, **21**: 413.—**Green, D. M.** Feeding in flight. Air Surgeon Bull., 1944, **1**: No. 10, 10.—**Hygiene** in military aircraft; feeding. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 12, 17.—**Luft, U.** Besonderheiten in der Ernährung des fliegenden Personals. In: Wehrhygiene (Handloser, S.) Berl., 1944, 487–92.—**Salmon, J.** The organization of catering in the Royal Air Force. Proc. Nutrit. Soc., Cambr., 1944, **1**: 87–91.—**Yudkin, S.** The work of the R. A. F. nutrition team. In: Interallied Conf. War Med. (1942–45) 1947, 71.

—— Economy.

See also **Food economy.**

LORZ, F. Kriegsernährungswirtschaft und Nahrungsmittelversorgung vom Weltkrieg bis heute. 224p. 22½cm. Hannover, 1938.

Chouard, P. Note préliminaire sur la valeur nutritive des aliments de remplacement. Bull. Acad. méd., Par., 1940, **123**: 772–8.—**Food** economy in wartime; a national campaign. Brit. M. J., 1940, **1**: 627.

—— Equipment.

See also **Messing.**

Hot-food cart. Bull. U. S. Army M. Dep., 1944, No. 81, 23.—**Thorpe, F.** Food service utility kit. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 3.—**Veselov, E. A.** Stellaž dlja predokhranenija produktov ot myševidnykh gryzunov. Voen. med. J., Moskva, 1945, No. 7, 61.

—— **field.**

See also **Ration; Ration supply.**

Aloe, V. C. El servicio de alimentación en campaña. 131p. 20cm. B. Air., 1938.

Piettre. Alimentation de l'armée en campagne; viandes; légumes. Rev. path. comp., Par., 1915, **15:** 35–43.—**Seleskeridi, I. T.** [Feeding of troops during campaign] Feldsher, Moskva, 1938, No. 9, 52–9.—**Illoa, A.** Alimentación del ejército; porción de campaña. Tribuna méd. (Chile) 1925, **19:** 245–50.

—— **History.**

Bernoulli, R. *Geschichte der Soldatenernährung der militärisch wichtigsten Völker Europas [Basel] 50p. 23cm. Zofingen, 1943.

Also Allg. Schweiz. Militärztg, 1943, **89:**

Fernow, F. *Ueber Truppenernährung in den Feldzügen 1740–1918. 58p. 23cm. Berl., 1937.

Prescott, S. C. Troop feeding programs; a survey of rationing and subsistence in the United States Army, 1775–1940. v. p. 27cm. Wash., 1944.

Bustíos G., L. Los Incas utilizaron alimentos deshidratados, con fines de guerra. Rev. mil. Perú, 1944, **41:** pt 2, 17–22.—**Escudero, P.** La alimentación de una expedición militar en la pampa de Buenos Aires en 1786. Rev. As. argent. diet., 1943, **1:** 307–14.

—— **Meals.**

See also **Ration supply,** Master menu.

Murphy, M. Wartime meals. 2. print. 258p. 21cm. N. Y., 1942.

Balanced meals for soldiers. J. Am. M. Ass., 1941, **117:** 2078.—**Compton, B. M.** Victory menus. Hygeia, Chic., 1942, **20:** 664.

—— **Mountain troops.**

See also **Mountain warfare.**

Angel Mazza, D. M. Alimentación de las tropas de montaña. Rev. mil., B. Air., 1938, **38:** pt 2, 1479–82.—**Jančič, M. S.** [On the question of food rations for the mountain troops] Voj. san. glasnik, 1939, **10:** 327–30.

—— **naval.**

Ruge, H. Die Ernährung in der Marine. 29p. 8° Berl., 1927.

Forms Sonderh. Veröff. Marine San.

Berger, F., & Minning, H. Ueber Diätversorgung auf See. Deut. med. Wschr., 1929, **55:** 401.—**Lancelin, R.** Questions d'hygiène navale; l'alimentation du marin. Presse méd., 1943, **51:** 71.—**Thompson, J. D.** Feeding the crew of a battleship. Sc. American, 1930, **143:** 443–5.

—— **Organization.**

See also **Nutrition,** National defense aspect; also **Food economy; Food inspection,** Organization; **Food production; Food rationing,** Organization; **Food supply,** Organization; **Ration**—by countries, **Relief.**

Leone, N. C. Administrative aspects of an emergency nutrition program for national defense. 58 l. 32cm. Wash., 1948.

Bakkie, M. B. Nutrition at work in the Red Cross. J. Am. Diet. Ass., 1943, **19:** 278.—**Barber, M.** Nutrition playing major role in war; why rationing is necessary. Hosp. Management, 1942, **54:** No. 6, 53.—**Drummond, J. C.** Planned wartime nutrition. Brit. M. J., 1941, 2: 885; 1942, **1:** 85.—**English, R. H.** The coordination of civilian and Army efforts for food sanitation in an extra-cantonment zone. Bull. Dep. Health Kentucky, 1943–44, **16:** 160–4.—**Heseltine, M. M.** Children and the national nutrition program. Child, Wash., 1941–42, **6:** 168–71.—**Leone, N. C.** Administrative aspects of an emergency nutrition program. Bull. U. S. Army M. Dep., 1949, **9:** 198–206.—**Newsholme, H. P.** Food rationing and nutrition. Med. Off., Lond., 1941, **66:** 108.—**Pett, L. B.** Nutritional planning. Canad. Pub. Health J., 1943, **34:** 58–62.—**Rationing** and nutrition. Med. Off., Lond., 1941, **65:** 142.—**Serruys, D.** La guerre économique. Bull. Soc. sc. hyg. aliment., Par., 1939, **27:** 294–9.—**Sherman, H. C.** Nutritional engineering; from wartime situations to peacetime policy. J. Franklin Inst., 1944, **238:** 319–24.—**Ward, T. G.** Project for nutritional group. In: Prev. Med. in World War II, Wash., 1948, **10:** 95–100.—**Widdowson, E. M.** An experimental study of rationing. Q. J. Med., Oxf., 1941, **10:** 333.

—— **Problems.**

See also **Nutrition,** Problems.

Drake, B. Community feeding in wartime. 29p. 22cm. Lond., 1942.

Great Britain. Women's Voluntary Services for Civil Defence. Community feeding in war time. 2. ed. 39p. 24½cm. Lond., 1942.

Done, J. Some difficulties of feeding children in war time. Nurs. Times, Lond., 1941, **37:** 262.—**Orr, J., Woolton.** [et al.] Problems of collective feeding in war time. Proc. Nutrit. Soc., Cambr., 1944, **1:** 84–112.—**Some** points in communal feeding. Brit. M. J., 1942, **1:** 83.

—— **by countries: Argentina.**

See also the same subheading under **Ration.**

Bocalandro, C. A. El estado actual de la alimentación en nuestro pais. Rev. san. mil., B. Air., 1943, **42:** 570–8.—**Escudero, P.** La alimentación del soldado argentino. Rev. mil., B. Air., 1935, **35:** pt 1, 659–74.—**Ruda, J. C.** El servicio de alimentación en tiempo de guerra (tactica de alimentación) Ibid., 1936, **36:** pt 2, 841; passim.

—— **by countries: Australia.**

Hicks, C. S. Army catering, the fundamental basis of national wartime strategy and fighting efficiency. Med. J. Australia, 1949, **2:** 388–91.

—— **by countries: Brazil.**

Faria, R. A alimentação do soldado na paz e na guerra. Rev. med. mil., Rio, 1941, **30:** 243–59.—**Fonseca, L. C.** Alimentação e condições de vida do militar na zona noroeste do Estado de São Paulo. Pub. méd., S. Paulo, 1946–47, **18:** No. 9, 21–56.—**Gaudenzi, T. F.** Ensaio sobre alimentação no 19. B. C. Rev. med. mil., Rio, 1943, **32:** 539–45.—**Junior, P.** A alimentação das classes armadas. Ibid., 1940, **29:** 453–70.—**Lopes Pereira, J.** Alimentação na Marinha de guerra. Arq. brasil. med. nav., 1941–42, **2:** 791–809.—**Pacheco Borges, G.** A bromatologia e sua indispensavel colaboração no setor da higiene naval. Ibid., 753–6.—**Vasconcellos, D.** O problema da alimentação nos quarteis. Rev. med. mil., Rio, 1946, **35:** 213–20.

—— **by countries: Canada.**

See also under **Ration.**

Food for health in peace and war. Canad. M. Ass. J., 1940, **42:** 578.—**Nutrition.** J. Canad. M. Serv., 1945–46, **3:** 330–4.—**Nutrition** service in the R. C. A. F. Canad. M. Ass. J., 1943, **48:** 457.—**Pepper, L. C.** Food in a nation at war. Canad. Nurse, 1942, **38:** 771–4.—**Pett, L. B.** L'alimentation et les industries de guerre. Nat. Health Rev., Ottawa, 1942, **10:** 106–8.

—— **by countries: Denmark.**

Fridericia, L. S. Nutritional investigations in Denmark during the war, 1939–45. Proc. Nutrit. Soc., Cambr., 1946–47, **5:** 255–9.—**Johanssen, E. W., & Hagens, E.** Undersøgelser over ernaeringen i det danske sovaern; danska marinen. Nord. med., 1941, **10:** 1748 (Abstr.)

—— **by countries: France.**

See also under **Ration.**

Crosnier, R. J. L. L'alimentation dans l'armée. p.447–98. 24cm. Par., 1945.

Rev. Corps san. mil., Par., 1945, **1:**

Canivet, J. Considérations sur un certain nombre d'enquêtes alimentaires menées en 1938–39 par les médecins des troupes coloniales, chez les populations autochtones des territoires de la France d'outre-mer. Rec. d. trav. Inst. nat. hyg., Par., 1949, **3:** 925–65.—**Crosnier, R.** L'alimentation de la troupe. Ann. hyg., Par., 1949, 27: 2; 72.—**Hederer & Guermeur.** Etude de l'alimentation à bord du croiseur école de canonnage Marseillaise (1925–27) Arch. méd. pharm. nav., 1928, **118:** 28–50.—**Randoin, L.** Le colis du soldat aux armées; à propos des conseils à donner aux personnes qui envoient des denrées de consommation aux mobilisés. Bull. Soc. Sc. hyg. aliment., Par., 1940, **28:** 45–50.—**Ziegelmayer, W.** Betrachtungen und Empfehlungen der französischen Landeshauptstelle für angewandte wissenschaftliche Forschung, Paris, als Grundlage für eine Verbesserung der Ernährung der französischen Wehrmacht. In: Wehrmachtverpflegung, Dresd., 1942, 1: 356–78.

—— **by countries: Germany.**

See also under **Ration.**

Germany. Arbeitsgemeinschaft Ernährung der Wehrmacht [1. Tag., 1940–41] Tagungsbericht. 378p. 24cm. Dresd., 1942.

Forms v.1, Wehrmacht Verpfl., Dresd., 1942.

SCHMIDT, B. Die Ernährung des deutschen Volkes unter besonderer Berücksichtigung der Ernährung seines Heeres. 229p. 23½cm. Berl., 1940.

Forms H. 112, Veröff. Heer. San., 1940.

WEHRMACHT-VERPFLEGUNG; Schriftenreihe für Fragen der Soldatenernährung und der Gemeinschaftsverpflegung. Dresd., v. 1, 1942–

Ashe, W. F., jr. The nutrition program in Germany, U. S. Zone of Occupation in Germany, May 1945–May 1946. Bull. U. S. Army M. Dep., 1948, **8**: 47–58.—**Bircher, R.** Zur Ernährung der Soldaten. Wendepunkt, Zür., 1935–36, **13**: 483–9. ——— Unterwegs zur neuen Soldatenernährung. Ibid., 1939–40, **17**: 442–52.—**Bürger, M.** Krankenernährung und Ernährungskranke im Kriege. Klin. Wschr., 1940, **19**: 287.—**Como** se nutre o exercito germanico. Impr. med., Rio, 1941, **17**: 147–9.—**Danielsen.** Ist die Ernährung des Soldaten richtig? Arzt & Sport, 1936, **2**: 82.—**Gerson, M.** Feeding the German Army. N. York State J. M., 1941, **41**: 1471–6.—**Hachez, E.** Ist die Ernährung des Soldaten richtig? Arzt & Sport, 1936, **2**: 47; 83.—**Hoesslin.** Ernährung des Soldaten. Med. Klin., Berl., 1940, **36**: 1009 (Abstr.)—**Kollath, W.** Erweiterung der Ernährungslehre zur Ordnung der Nahrung. Münch. med. Wschr., 1941, **88**: 433 (Abstr.)—**Krehnke, W.** Die Verpflegung an Bord der Kriegsschiffe. In: Wehrhygiene (Handloser, S.) Berl., 1944, 433–6.—**Markwalder, H.** Ueber Truppenverpflegung. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 135 (Abstr.)—**Musehold, P.** Ernährung des Soldaten. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 497–519.—**Pieszczek, E.** A alimentação do soldado alemão; a variedade é fundamental. Bol. Dir. serv. saúde mil., 1941, **4**: 343–6 (Abstr.) ——— Aufgaben und Ziele der Arbeitsgemeinschaft Ernährung der Wehrmacht. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 1–6. ——— Die Ernährung des Soldaten. Ibid., 7–24.—**Randoin, L.** Die Ernährung im Heer. Ibid., 357–73.—**Schreiber, W.** Die Ernährung des Soldaten. In: Wehrhygiene (Handloser, S.) Berl., 1944, 248–75.—**Stepp, W.** Gedanken zur Ernährung von Gesunden und Kranken während des Krieges. Münch. med. Wschr., 1940, **87**: 141–3.—**Voit, K.** Die Ernährung im Reichsheer. Arzt & Sport, 1936, **2**: 74.—**Ziegelmayer, W.** Die Verpflegung des deutschen Soldaten. Mil. Wbl., Berl., 1938–39, **123**: 538–41. ——— Verpflegung des Soldaten. In: Wehrhygiene (Handloser, S.) Berl., 1944, 278–94.

—— by countries: Great Britain.

BRITISH INFORMATION SERVICES [NEW YORK] Nutrition in wartime Britain. 14p. 23½cm. N. Y., 1942.

British wartime nutrition policies. Month. Labor Rev., 1941, **52**: 833–5.—**Diet** in war time. Med. Press & Circ., Lond,. 1942, **207**: 149.—**Feeding** (The) of the Army. J. Am. M. Ass., 1940, **115**: 2099.—**How** the British Army is fed. Ibid., 1942, **120**: 548.—**Magee, H. E.** Activities in nutrition of the Ministry of Health in England during the war. Proc. Nutrit. Soc., Cambr., 1946–47, **5**: 211–3.—**Milligan, E. H. M.** Our food; war-time lessons for post-war planning. Med. Press & Circ., Lond., 1945, **214**: 7–13.—**Nation's** food in wartime. Brit. M. J., 1940, **1**: 641.—**Rationing.** Lancet, Lond., 1940, **1**: 35.—**Report** of the Food Investigation Board for the year 1937. J. R. Army M. Corps, 1939, **72**: 393–7.—**Work** (The) of the Food Rationing (special diets) Advisory Committee. Rep. M. Res.. Counc.. Lond.. (1939–45) 1948, 113–27.

—— by countries: Japan.

See also under **Ration.**

Isikawa, M. Rikugun ryōsyoku kyūyo no zikkyō [The actual condition of the food supply of the army] Gun idan zassi, 1938, 469–78. Also Nippon igakkai kaisi, 1938, 10. Conf., 222–7.—**Mori, R.** Zur Nahrungsfrage in Japan. Arb. Jap. milit. ärztl. Lehranst., Tokyo, 1892, **1**: 106–9.—**Watanabe, H., Harazawa, K., & Hattori, H.** Byōin syokuzi yori mitaru senzi eiyō ni tuite [War time nutrition from the standpoint of hospital food] Kōsei kagaku, 1942, **3**: 589.

—— by countries: Poland.

See also under **Ration.**

Orlewicz, S. [Evacuation and food supply of large units] Lek. wojsk., 1935, **25**: 83; 158.

—— by countries: Romania.

Cerbulescu, C. Alimentaţia pentru armata. Rev. san. mil., Bucur., 1936, **35**: 669–74. ——— Mijloacele de cercetarea calităţilor produselor alimentare intrebuinţate in armată. Ibid., 1314–21.

—— by countries: Russia.

See also under **Ration.**

Agapov, N. I. Iz opyta organizacii kontrolja za fizićeskim sostojaniem i pitaniem vojsk. Voen. med. J., Moskva, 1947, No. 10, 3–6.—**Bogojavlensky, N. A., & Krymkević, N. I.** Piśćevaja sanitarija v russkoj armii i flote v petrovskuju epokhu. Hig. & san., Moskva, 1949, **14**: No. 10, 50–3.—**Krotkov, F., Arutiunov, G., & Sokolovsky, V.** Pitanie vojsk. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 519–35.—**Petrovsky, K. S.** [Certain elements of sanitary control of the nutrition of troops] Voen. san. delo, 1943, No. 4, 48–54.—**Skvorcov, V. V., & Sokolov, M. K.** Nekotorye itogi raboty po naućno-medicinskomu kontrolju za pitaniem i fizićeskoj nagruzkoj vojsk. Voen. med. J., Moskva, 1947, No. 7, 38–42.

—— by countries: Switzerland.

See also under **Ration.**

MARKWALDER, H. *Ueber Truppenverpflegung; Untersuchungen an Hand von 5 Ablösungsdiensten einer schweizerischen Gebirgseinheit, 1940–1942. 13p. 31cm. Zür., 1943.

Also: Praxis, Bern, 1943, **32**: 461–72.

Demole, M. Alimentation militaire 1942. Schweiz. med. Wschr., 1943, **73**: 827–31.—**Hardmeier, E.** L'alimentazione dei piloti nell'aviazione militare svizzera. Riv. med. aeronaut., 1949, **12**: 349–63.—**Office** fédéral de guerre pour l'alimentation. Bull. Eidg. Gesundhamt., 1941, Beil., No. 31, 378–80.—**Ott, A., & Hardmeier, E.** Die Ernährung des Militärfliegers in der Schweizerischen Flugwaffe. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 75–86.

—— by countries: United States.

CALIFORNIA STATE NUTRITION COMMITTEE. Supplementary manual for War Nutrition Institute. 75 l. 28cm. Berkeley, 1942.

Adjusting residence hall food service to the requirements of the Navy. J. Am. Diet. Ass., 1943, **19**: 581.—**American** soldier is best fed fighting man in world today. Med. Bull., Wichita, 1942, **11**: No. 7, 7.—**Army** food service program. Quartermast. Rev., 1943, **23**: No. 2, 43.—**Baker, A. L.** Uncle Sam gets excited over food. Good Health, 1941, **76**: 136, &c. ——— The gold standard for food. Ibid., 152, &c. ——— Does our Army eat right? Ibid., 168, &c.—**Barber, M. I.** Nutrition and the war; feeding the American soldier. J. Am. Diet. Ass., 1943, **19**: 773–6.—**Brown, E. W.** Nutritional aspects of feeding in the United States Navy. J. Am. M. Ass., 1942, **120**: 96–9.—**Canning, J. B.** American supply of foods to combat areas. Ann. Am. Acad. Polit. Social Sc., 1943, **225**: 177–82.—**Davis, E. C.** Fed and fit, U. S. Army of 1941. Health, Mount. View, 1941, **8**: No. 12, 10.—**Ebbs, J. C.** A nutritional review of large-scale feeding operations (U. S. Army) J. Am. Diet. Ass., 1946, **22**: 219–24.—**Food** service program. In: Prev. Med. in World War II, Wash., 1948, **8**: 99–104.—**Harding, T. S.** Food for Britain helps us; an apparent paradox in modern nutrition. Sc. American, 1942, **166**: 117–20.—**Hart, W. L., & Daggs, R. G.** Three and one-half years of nutrition activities in the Eighth Service Command. Mil. Surgeon, 1946, **98**: 214–9.—**Hershey, L. B.** Selective Service and its relation to nutrition. Med. Woman J., 1941, **48**: 249–51.—**Kearney, C. F.** Feeding our mobile Army. J. Am. Diet. Ass., 1942, **18**: 16–9.—**Logan, P. P.** How the American soldier is fed. Ibid., 1941, **17**: 226–33.—**Lubitz, J. A.** Rations in the U. S. Zone of Germany. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 3, 15–8.—**McAuley, M. F.** Indiana University meets the needs of the Army and Navy feeding programs. J. Am. Diet. Ass., 1944, **20**: 140–3.—**McCay, C. M.** Mobile nutrition unit. Bumed News Lett., Wash., 1945, **5**: No. 2, 6.—**Nutritional** aspects of feeding the Army and Navy. J. Am. Diet. Ass., 1942, **18**: 752–6.—**Nutrition** in Army training camps. Nutrit. Rev., 1946, **4**: 90.—**Nutrition** of troops. In: Prev. Med. in World War II, Wash., 1948, **10**: 89–91.—**Pennsylvania's** wartime nutrition program. Chem. Leaflet, 1943–44, **17**: 5–10.—**Rehder, T. M.** Feeding the Army and Navy at the University of Iowa. J. Am. Diet. Ass., 1944, **20**: 166.—**Scientific** (The) feeding of our fighting forces. Chem. Leaflet, 1943–44, **17**: 11–24. Also Laboratory, Pittsb., 1943, **14**: 3–11.—**Thrasher, H. J.** Cooperation between health departments and the Army on food sanitation in defense areas. J. M. Ass. Alabama, 1942–43, **12**: 319.—**Wells, L. C.** The Army feeding program at Kansas State College. J. Am. Diet. Ass., 1944, **20**: 168.—**Zipple, H.** Feeding the Army and Navy at the University of Kansas. Ibid., 165.

—— by countries: Venezuela.

ORTEGA DURÁN, J., & BENGOA, J. M. La alimentación del soldado en los cuarteles de Caracas. 39p. 24cm. Caracas, 1946.

Forms No. 14, Cuadern. amaril. Conf. san. panamer. (1947) 1946, 12. Conf.

NUTRITION survey.

See also **Malnutrition; Marine Corps;** also **Food rationing; Food supply; Internee,** Disease; **Prisoner of war; Starvation.**

Nutrition surveys of large populations. Res. Program U. S. Army M. Res. Bd, 1947, July, 23.—**Techniques** for nutrition surveys of large populations. Ibid., 1948, Jan., 66.

—— Disorders of nutrition.

See also **Malnutrition**; also **Disease**—by specific types: Deficiency disease; **Vitamin deficiency.**

Howe, P. E. Nutritional aspects of military medicine. Med. Clin. N. America, 1941, **25**: 1699–715.—**Meyer, A.** Die Kriegsernährung als Krankheitsursache. Praxis, Bern, 1946, **35**: 535; 556; 572.—**Ohhara, K.** Senzi-ka ni okeru kyozyakuzidō no yōgo ni tuite [Proper nutrition and protection for weak children in wartime] Naika & syonika, 1943, **3**: 145–56.—**Sandoz, L. M.** La physiopathologie de l'alimentation de guerre. Schweiz. Mschr. Zahnh., 1945, **55**: 609–18.—**Tomaszewski, W.** [The methods of assessing malnutrition] Lek. wojsk., 1945, **36**: 127–35.

—— Restricted nutrition.

See also **Famine; Food rationing; Ration.**

Allison, J. B., Anderson, J. A., & **Seeley, R. D.** Effects of limited food and/or water intake. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–10, 1.—**Ellis, R. W. B.** Child growth and nutrition under war conditions. Acta med. leg. social., Brux., 1948, **1**: 505–13.—**Marcenac.** Conséquences des restrictions alimentaires de la période de guerre sur la pathologie des animaux. Rev. path. comp., Par., 1946, **46**: 139–47.—**Wilkinson, E. M.** The physician's role during food shortages. Delaware M. J., 1943, **15**: 160–2.

—— by countries.

See also appropriate headings under **Nutrition service; Occupied area; Relief; War victim.**

Gonsalves, B. Sindromes de carência em Fernando de Noronha. Rev. med. mil., Rio, 1944, **33**: 13–28.—**Jokl, E.,** & **Kloppers, P. J.** The health and nutritional status of 124 poor European children 6–7 years of age. Clin. Proc., Cape Town, 1945, **4**: 443–55.—**Leone, N. C.** Nutrition program for Western European civilians in World War II. Bull. U. S. Army M. Dep., 1949, **9**: 275–85.—**Marrack, J. R.** Experiences of the last war and since; current state of nutrition in occupied Europe and elsewhere. Proc. Nutrit. Soc., Cambr., 1944, **2**: 177–90.—**Proca, G.,** & **Kirileanu, G. T.** Nutrition of the population during war. Rev. st. med., Bucur. 1938, **27**: 607–23.—**Rosen, J.** Die Entwicklung der Kriegsernährung in 7 europäischen Ländern 1939–1944; der Verbrauch an Nährstoffen und Vitaminen. Schweiz. med. Wschr., 1945, **75**: 683–91.—**Stokes, R. R.,** & **Foot, D.** Starving Europe. Lancet, Lond., 1943, **2**: 650.—**Vignal, W., Cawadias, A. P.** [et al.] Discussion on the state of nutrition in enemy-occupied Europe. Proc. R. Soc. M., Lond., 1943–44, **37**: 113–20.

—— by countries: Austria.

Fitzpatrick, W. H., & **Andrae, R.** Nutrition in Vienna. Bull. U. S. Army M. Dep., 1949, **9**: 399–410.—**Nutrition.** Rep. U. S. Comm. Mil. Gov. Austria, 1947, No. 20, 71.—**Pyke, M.** Nutrition in Vienna in September, 1945; in November, 1945. Brit. M. J., 1945, **2**: 839; 1946, **1**: 677.

—— by countries: Belgium.

Colard, J. M. J. L'alimentation de la Belgique sous l'occupation allemande, 1940–1944. 186p. 19cm. Louvain, 1945.

Kellogg, V. L. Fighting starvation in Belgium. 219p. 19½cm. Garden City, 1918.

Macrae, T. F., Smart, G. A., & Yudkin, S. S. Feeding and nutrition of the civil population in Belgium and Holland during the German Occupation and after the liberation until October 1944. 20 l. 27½cm. Lond., 1944.

Forms F. P. R. C. No. 600, Gr. Brit. Flying Pers. Res. Com.

Bigwood, E. J. Nutrition problems and research in Belgium during and since the war. Proc. Nutrit. Soc., Cambr., 1946–47, **5**: 290–4.—**Yudkin, S.** Nutrition in Belgium and Holland during the German occupation and since the liberation. In: Interallied Conf. War Med. (1942–45) 1947, 85–8.

—— by countries: Czechoslovakia.

Lewit, E. A preliminary report on a study of 4000 Czechoslovakian children. Med. Woman J., 1947, **54**: 41–4.—**Mašek, J.** O poruchách výživy za války. Cas. lék. česk., 1945, **84**: 713; 767.

—— by countries: Finland.

Tikka, J. Conditions and research into human nutrition in Finland during the war years. Proc. Nutrit. Soc., Cambr., 1946–47, **5**: 260–3.—**Vartiovaara, U.** Animal nutrition during the war years in Finland. Ibid., 326–30.

—— by countries: France.

See also **Food rationing**—by countries: France.

Alimentation des malades. Presse méd., 1942, **50**: 303.—**Codvelle, F. P.** La sous-alimentation collective en temps de guerre. Rev. Serv. san. mil., Par., 1937, **107**: 3–49.—**Encausse, P.** Influence de l'éducation physique et sportive sur la jeunesse en fonction de l'alimentation actuelle. Presse méd., 1943, **51**: 299.—**Feil, A.** Considérations sur le poids actuel des travailleurs. Ibid., 295 (Abstr.) ——— L'amaigrissement actuel des travailleurs d'usine. Ibid., 298.—**Gounelle, H.,** & **Bachet, M.** Remarques sur l'état de nutrition des Parisiens de vingt ans. Bull. Acad. méd., Par., 1944, **128**: 135–8. Also Bull. méd., Par., 1944, **58**: 102.—**Gounelle, H.,** & **Mande, R.** Précisions sur la ration alimentaire d'un groupe de familles parisiennes de mai à juillet 1941. Bull. Acad. méd., Par., 1941, **125**: 291–3. Also Spanish transl., Día méd., B. Air., 1943, **15**: 104.—**Hill, C. R.** The critical food situation in France. J. Am. Diet. Ass., 1942, **18**: 652–6.—**Lacurte, A.** A atual situação higiênica e alimentar da França. Hospital, Rio, 1942, **22**: 655–8.—**Louyot, P.** Le déséquilibre alimentaire en milieu scolaire. Bull. Acad. méd., Par., 1943, **127**: 346–8.—**Organisation** du ravitaillement général; publication du Ministère de l'agriculture en France. Bull. Soc. sc. hyg. aliment., Par., 1939, **27**: 300–11.—**Ribadeau-Dumas, L.** Quelques conséquences de l'alimentation actuelle chez l'enfant. Bull. Acad. méd., Par., 1943, **127**: 240–2.—**Strongman, B. T.** Hungry in France. Connecticut M. J., 1942, **6**: 818.—**Stuart, H. C.** Studies of the nutritional state of children in unoccupied France in the fall of 1942; a preliminary report. J. Pediat., S. Louis, 1944, **25**: 257–64.—**Vincent, H.** Voeu relatif à l'alimentation de la population française. Bull. Acad. méd., Par., 1943, **127**: 242.—**Youmans, J. B.** Observations on nutrition in France. Tr. Coll. Physicians Philadelphia, 1941, **9**: 144–54.

—— by countries: Germany.

See also **Food rationing**—by countries: Germany.

Macrae, T. F., & Smart, G. A. State of nutrition in the population of East Ruhr. 3 l. 27cm. Lond., 1945.

Forms F. P. R. C. No. 600a, Gr. Brit. Flying Pers. Res. Com.

Bickel, A. Die Eiweissernährung des deutschen Volkes während des Krieges im Winter 1939–1940. Forsch. & Fortschr., 1940, **16**: 258–60.—**Bürger, M.** Krankenernährung und Ernährungskranke im Kriege. Münch. med. Wschr., 1940, **87**: 250.—**Hilgers, W. E.** Unsere Ernährungslage nach dem Kriege nach Untersuchungen in öffentlichen Speiseanstalten. Oeff. Gesundhpfl., 1922, **7**: 221–31.—**Hofmeier, K.** Ueber Kriegsernährung des Klein- und Schulkindes. Med. Welt, 1941, **15**: 57–9.—**Kürten.** Hungertodesfälle in Gross-Berlin Oktober 1946 bis Februar 1947. Berl. Statist., 1947, **1**: 33–6.—**Lang.** Nutrition problems. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 261.—**Oeder, G.** Fettpolster im Kriege. Deut. med. Wschr., 1917, **43**: 983.—**Spicknall, C. G., Fishburn, H. D.,** & **Baum, W. S.** The diet in Germany and the occupied countries during the second World War. Pub. Health Rep., Wash., 1943, **58**: 1669–81.—**W.** Ambulante Diätküchen in Berlin. Schweiz. med. Wschr., 1940, **70**: 737.

—— by countries: Great Britain.

See also **Food rationing**—by countries: Great Britain; **Food supply,** Geography.

Alimentazione della Gran Bretagna in guerra. Riv. Soc. ital. igiene, 1939, **61**: 145.—**Banks, A. L.,** & **Magee, H. E.** Effects of enemy occupation on the state of health and nutrition in the Channel Islands. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1945, **4**: 184–95.—**Bayon, H. P.** The nutrition of children and wounded in war-time rationing. West London M. J., 1941, **46**: 46–55.—**Drummond, J. C.** [Food and health in Great Britain during the war. South. M. J., 1946, **39**: 18–26.—**Frazer, W. M.** Effect of rationing on nutrition in Great Britain during the war. J. School Health, 1943, **13**: 18–21.—**H., M. M.** The nutrition of mothers and children in wartime Britain. Child, Wash., 1942–43, **7**: 148–50.—**Magee, H. E.,** & **Adcock, E. W.** War and the nutritional state. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 146; 1945, **4**: 141; 1946, **5**: 36; 198.—**Milligan, E. H. M.** The physical and nutritional condition of children in war-time 1941 (Jan.–Feb.) to 1943 (Jan.–Feb.) Med. Off., Lond., 1943, **70**: 13; 21.—**Nixon, W.** Food, poverty and bad cooking. Med. Today, Richmond, 1943, **4**: 4–7.—**Nutritional** status of Great Britain. Nutrit. Rev., 1942–43, **1**: 112–5.—**Sinclair, H. M.** Wartime nutrition in England as a public health problem. Am. J. Pub. Health, 1944, **34**: 828–32.—**Sydenstricker, V. P.** Nutrition under rationing in England. J. Am. Diet. Ass., 1944, **20**: 4–8.—**Widdowson, E. M.,** & **Alington, B. K.** Middle-class diets in peace and war. Lancet, Lond., 1941, **2**: 361–5.—**Wright, H. P.,** & **Hoskins, J. L.** The nutritional state of staff in a London sector hospital. Brit. M. J., 1943, **2**: 171.

—— by countries: Holland.

See also subheading (—by countries: Belgium)

Burger, G. C. E., Sandstead, H. R., & **Drummond, J.** Starvation in western Holland, 1945. Lancet, Lond., 1945, **2**: 282.—**Jansen, B. C. P.** [Alimentation during war] Ned. tschr. geneesk., 1940, **84**: 5–8. ——— Nutritional research in Holland during the war. Proc. Nutrit. Soc., Cambr., 1946–47,

5: 305–11.—**Ormondt, A. van.** Over den voedingstoestand van kleuters in den oorlog. Ned. tschr. geneesk., 1946, **90:** 197.—**Smith, C. A.** The effect of wartime starvation in Holland upon pregnancy and its product. Am. J. Obst., 1947, **53:** 599–608.

—— by countries: India.

Thomson, A. M. Nutrition in India during and after the war. Proc. Nutrit. Soc., Cambr., 1946, **5:** 62–70.

—— by countries: Israéli.

Gogenheim, I. K. [The influence of the war on the nutritional state in Palestine] Harefuah, Tel Aviv, 1945, **28:** 148.—**Nutritional** economic survey of wartime Palestine, 1942–1943. J. Am. M. Ass., 1945, **127:** 1143.

—— by countries: Italy.

PARVIS, D. Studi sull'alimentazione di una collettività femminile a dieta ridotta per esigenze di guerra. p.71–142. 28cm. Milano, 1943.
In: Arch. Ist. biochim. ital., 1943, **15:**

Ballerini, M. T. Studio sulle condizioni alimentari della popolazione milanese in tempo di guerra. Natura & vita, Milano, 1946, **1:** 118; 142.—**Fraschini, A.** Alimentazione di guerra. Forze san., Roma, 1941, **10:** 6–10.

—— by countries: Japan.

Hara, M. Syokuryō mondai to syokuyō [The problem of (adequate supply of provisions and (adequate) nutrition (during wartime)] Tiryo, 1946, **28:** 94–6.—**Isizaki, A.** Guntai seikatu ni yoru eiyō oyobi taikaku sisū no henka [Changes in the nutrition and the physique indexes due to army life] Zyuzenkai zassi, 1936, **41:** 1135–44.—**Nisiwaki, T.** Taihei no taikaku eiyō hantei ni kan-suru kenkō-bo zuhyō no kōan [Ueber ein Gesundheitsdiagramm zur Beurteilung des Körperbaus und Ernährungszüstandes der Soldaten in der Kaserne] Gun idan zassi, 1932, 347–64.—**Nutrition** in Japan. Bull. U. S. Army M. Dep., 1946, **5:** 260.

—— by countries: Norway.

Breirem, K. Experiences and research work in animal nutrition in Norway during the war, 1939–45. Proc. Nutrit. Soc., Cambr., 1946–47, **5:** 330–8.—**Ustvedt, H. J.** Diet og rasjonering. Nord. med., 1941, **12:** [Disc.] 3339–41.

—— by countries: Poland.

Pijanowski, E. Some aspects of work on animal nutrition in Poland during the war. Proc. Nutrit. Soc., Cambr., 1946–47, **5:** 358–61.—**Szczygiel, A.** Nutrition in Poland under the German occupation. Ibid., 276–80.

—— by countries: Sweden.

Abramson, E. Vår livsmedelsförsörjning under nu pågående krig; näringsfysiologiska synpunkter. Nord. med., 1941, **11:** 2662. ——— Nutrition and nutritional research in Sweden in the years of war, 1939–45. Proc. Nutrit. Soc., Cambr., 1946–47, **5:** 271–6.—**Möller, F.** Dietanamneser på värnpliktiga från landsbygd och tätorter. Tskr. mil. hälsov., 1944, **69:** 53–60.

—— by countries: Switzerland.

Aerztliche Erfahrungen mit der Kriegsernährung. Praxis, Bern, 1946, **35:** 91.—**Barben.** Wie hat die Schweiz ihr Kriegsernährungsproblem gelöst? Veska Zschr., Luzern, 1946, **10:** 79.—**Ernährungsphysiologen** und Hygieniker zu den neuen Fragen unserer Kriegsernährung. Bull. Eidg. Gesundhamt., 1941, 539.—**Fleisch, A.** L'alimentation en temps de guerre. Rev. méd. Suisse rom., 1942, **62:** 538; 581. ——— Nutrition in Switzerland during the war. Schweiz. med. Wschr., 1946, **76:** 889–94.—**Hess, W. R.** Die Ernährungsfrage der Zivilbevölkerung. Bull. Eidg. Gesundhamt., 1941, Beil., Nr. 2, 30–6.—**Jung, A.** Das Experiment der schweizerischen Kriegsernährung. Praxis, Bern, 1947, **36:** 70.—**Kapp, H.** Aerztliche Erfahrungen mit der Kriegsernährung in der Schweiz. Experientia, Basel, 1947, **3:** 11–20.—**Meuron, M. de, & Tecoz, R. M.** Les régimes en temps de guerre. Rev. méd. Suisse rom., 1942, **62:** 539; 589.—**Nutrition** of infants and children in wartime [Switzerland] J. Am. M. Ass., 1943, **121:** 1237.—**Nutrition** in wartime Switzerland. War Med., Chic., 1943, **3:** 106–8 (Abstr.)

—— by countries: United States.

BEAN, W. B., HENDERSON, C. R. [et al.] Nutrition survey in Army Forces, Middle Pacific; appendix to report of nutrition survey in POA, April–June 1945. p.105–220. 26½cm. Wash., 1948.
In: Prev. Med. in World War II, Wash., 1948, **10:**

MCCAY, C. M., GORTNER, R. A., jr [et al.] Nutrition survey at the Naval Training Center, Sampson, New York, 15–28 August 1944. 29p. 26½cm. Bethesda, 1945.
Forms Rep. No. 6, Res. Proj. X–184, U. S. Nav. M. Res. Inst.

PINE, M. B., HAUGEN, G. E., & MCCAY, C. M. Nutrition survey of the enlisted Waves at the U. S. Naval Air Station, Patuxent River, Maryland, 21–28 March 1945. 8p. 26½cm. Bethesda, 1945.
Forms Rep. No. 9, Res. Proj. X–184, U. S. Nav. M. Res. Inst.

PINE, M. B., PIJOAN, M., & HAUGEN, G. Nutritional status of enlisted Wave personnel in the Washington area. 10p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X–295, U. S. Nav. M. Res. Inst.

UNITED STATES. ARMY. 26TH HOSPITAL CENTER. Chemical determination of nutritional state of full duty troops, Manila area, July and August, 1945. 109p. 8° Manila, 1945.
Bean, W. B., Johnson, R. E. [et al.] Nutrition survey in Pacific Theater of Operations. Bull. U. S. Army M. Dep., 1946, **5:** 697–705.—**Buss, C. D.** Nutrition surveys, April to June 1945. In: Prev. Med. in World War II, Wash., 1948, **10:** 81.—**Cox, W. C.** Nutritional diseases. Ibid., **11:** pt 2, 75.—**Nutritional** disease. Ibid., **8:** 216.—**Wearn, J. T., & Youmans, J. B.** Preliminary report of survey of nutrition. Ibid., **10:** 101–4.

NYLON armored suit.

See **Body armor;** also **Fuze stripping personnel.**

NYSTAGMUS.

Barozo Studart. Estudo clinico do nistagmo. Rev. med. mil., Rio, 1934, **23:** 161–70.—**Bellecci, P.** Il nistagmo ottocinetico nella pratica medico-legale. Ann. med. nav., Roma, 1949, **54:** 450–5.—**Errecart, P.** El valor fisiopatogénico de la prueba del giro. Rev. san. mil., B. Air., 1939, **38:** 3–18.—**Parente, F.** Un caso di nistagmo volontario. Gior. med. mil., 1926, **74:** 264–6.—**Schneck, J. M.** Voluntary nystagmus. Mil. Surgeon, 1946, **99:** 211.—**Tonndorf, J., & Clamann, H. G.** Development of a practical nystagmus recorder. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 1; 1948, July, 10. ——— Construction of a nystagmus recorder. Ibid., 1949, Jan., 12.

OAHU.

See under **World War II.**

OAK Ridge.

See **Atomic Bomb,** Manufacture.

OBESITY.

See also **Height and weight.**

NEWBURGH, L. H., & FREEMAN, B. L., jr. Obesity. 61 l. 27cm. Wash., 1948.
In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **1:** No. 9.

Anderson, J. B., & Reed, E. C. Dercum's disease (adiposis dolorosa) Med. Bull. Veterans Admin., 1937–38, **14:** 52–6.—**Army** doctors hear results of studies of effect of diet on weight. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 8, 16–8.—**B., A. R.** The specific gravity of the body as an index of obseity. Bumed News Lett., Wash., 1944, **3:** No. 10, 1–3.—**Carroll, H. H., & Russell, T. B.** Glycosuria with diabetic type of glucose tolerance curves in obese nondiabetics. U. S. Nav. M. Bull., 1944, **42:** 132–5.—**Cossio, A.** A proposito di un caso di lipomatosi dolorosa. Gior. med. mil., 1940, **88:** 455–60.—**Godłowski, Z.** Otyłość a tycie. Lek. wojsk., 1943, **35:** 14–37. ——— Chorobotwórcze czynniki tycia. Ibid., 1945, **36:** 252–7.—**Kucharski, T.** [Thermal treatment of obesity and lipomatosis in Ciechocinek] Ibid., 1938, **32:** 1–31.—**Lewis, B. S.** Observations on obesity. J. R. Nav. M. Serv., 1939, **25:** 163–6.—**Noguer Moré, J.** Obesidades activas y obesidades pasivas. Med. & cir. guerra, 1949, **11:** 171.—**Pârvulescu, G., Barbaiani, L., & Popa, E.** Lipomatoza generalizata; asupra unui caz clinic. Rev. san. mil., Bucur., 1937, **36:** 90–3, illust.

OBSESSION.

See **Neurosis,** Types; **War neurosis,** Types.

OBSTETRIC care.

See also **Dependent,** Emergency maternity and infant care; **Nursing.**

Viard, P. *De l'assistance maternelle et infantile dans le G. M. P. pendant la guerre. 96p. 8° Par., 1919.

Novák, J. Vzpomínka na porodnictví v protileteckých krytech. Prakt. lék., Praha, 1949, **29:** 52–4.—**Rawlins, J. A.** An interesting whelping case. J. R. Army Vet. Corps, 1949, **21:** 29.—**Williams, D. R.** What is being done to meet present problems of graduate service. Tr. Am. Congr. Obst. Gyn. (1942) 1943, 2. Congr., 296–301.

OBSTETRICS.

See also **Gynecology.**

Colvin, E. D., & Grimes, W. H., jr. Obstetrics and gynecology in the United States Army. Bull. Fulton Co. M. Soc., Atlanta, 1946, **20:** No. 6, 5–9.—**Smith, F. B.** Obstetric experience in a Navy hospital. Am. J. Obst., 1949, **57:** 724–9.

—— in wartime.

Rieth, O. *Ueber die Beziehungen des Krieges zur Geburtshilfe. 29p. 8° Giessen, 1916.

Delalande. Contribution à l'accouchement dirigé; déclenchement des accouchements près du terme; obstétrique de guerre. Gyn. obst., Par., 1943, **43:** 158.—**Döderlein.** Geburtshilfliche Kriegsprobleme. Münch. med. Wschr., 1916, **63:** 941–3.—**Dubois, R.** Obstetrical cases in wartime. In: Morals in Wartime (Robinson, V.) N. Y., 1943: 97–105.—**Jaeger, F.** Krieg und Geburtshilfe. Zbl. Gyn., 1917, **41:** 857–65.—**Jenkins, H.** Influence of war on obstetrics. South. M. J., 1943, **36:** 422–5.—**Kane, H. F., & Fraser, C. K.** Some wartime obstetrical problems. Med. Ann. District of Columbia, 1943, **12:** 12–4.—**Martin, A.** Feldgraue Geburtshülfe 1914–15. Mschr. Geburtsh. Gyn., 1915, **42:** 81.—**Plass, E. D.** Wartime obstetrics. J. Michigan M. Soc., 1944, **43:** 402–6.—**Richter, J.** Einfluss des Krieges auf die Geburtshilfe. Zbl. Gyn., 1917, **41:** 761–9.—**Schattenburg, O. L.** Obstetrics in wartime. J. Am. M. Ass., 1942, **118:** 1190–2.—**Stephenson, H. A.** Obstetrics as affected by the problems of war with particular reference to office procedure. Tr. Pacific Coast Soc. Obst. (1942) 1943, **12:** 53. Also West J. Surg., 1943, **51:** 60.—**Trapl, J.** Vliv války na porodnictví. Cas. lék. česk., 1919, **58:** 37–40.—**Tůma, J.** Problemy porodnictví v době válečné. Ibid., 1918, **57:** 493–6.

OCCUPATION [military]

See **Occupied area.**

OCCUPATIONAL adjustment.

See under **Neurotic;** also **Disabled,** Rehabilitation; **Rehabilitation.**

OCCUPATIONAL health.

See also **Industrial hygiene;** also such terms as **Venereal disease**—in wartime.

Cox, W. C. Occupational health. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 3, 5.—**Gordon, J. E.** Military occupational hygiene. Ibid., **2:** pt 10, 1–26, 11 pl., 14 tab., 3 ch.—**Occupational** health. Ibid., **8:** 246–8.

OCCUPATIONAL specialty.

See also **Classification; Medical examination,** Aptitude test; **Personnel selection; Specialization.**

Erichsen, E. Den fysiske opptrening av militaere avdelinger; den militaere opplaering sett fra idrettsmedisinsk synspunkt. Norsk tskr. mil. med., 1948, 25–9.—**Harrell, T. W.** Use of civilian skills in the Army Air Forces. Science, 1947, **106:** 26–8.—**Hugonot, G. A.** La sélection et la spécialisation du contingent. Rev. Serv. san. mil., Par., 1937, **107:** 513–47.—**Jobs** in the Army. Occupations, 1942–43, **21:** 34–9.—**Mls, J.** Rukodílné pracovní jednotky a intelekt. Voj. zdrav. listy, 1949, **18:** 314–20.—**MOS's** and titles common to the Medical Department. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 12, 5.—**Problems** of peculiar perplexity. Occupations, 1942–43, **21:** 92–8.—**Rinsland, H. D.** Army occupations. Ibid., 1940–41, **19:** 483–6.—**Rose, W. C.** Personnel requirements of the Army. Ibid., 1941–42, **20:** 518.

—— Selection and tests.

See also **Personnel selection;** also under names of specific military occupations.

Schickelé, M. J. A., Iliescu, C. P., & Sillevaerts, C. Détermination de l'aptitude aux diverses spécialités des armées de terre, de mer et de l'air. p.119–201. 23cm. Brux., 1935.

Rapp. Congr. internat. méd. pharm. mil., 1935, 8. Congr., **1:**

United States. Army. Adjutant General's Office. Army general classification test; WDAGOPRT–605: Manual, AGCT–3, M. 54p. 27cm. Wash., 1946.

Bambarén, C. A. Selección mental y orientación profesional en el Ejército. Rev. san. mil., Lima, 1934, **7:** 352–63.—**Bingham, W. V.** Personnel classification testing in the Army. Science, 1944, **100:** 275–80.—**Dantín Gallego, J.** Orientación y selección profesional en Córdoba durante la guerra. Psicotecnia, Madr., 1939–40, **1:** 16–39.—**England, A. O.** Military job evaluation: Army Air Forces. J. Appl. Psychol., 1945, **29:** 437–48.—**How** the Army classifies its personnel. Occupations, 1942–43, **21:** 27–33.—**Linares Maza, A.** La selección profesional en el Ejército (una aportación al problema de los tests colectivos) Siglo méd., 1933, **92:** 245–9.—**Pasquasy.** La sélection et l'orientation professionnelles à l'Armée. Arch. Serv. san. Armée belge, 1945, No. 11, 1–22.—**Péchaux, R. J. A.** Introduction à l'étude de la sélection professionnelle dans l'Armée. Bull. Serv. san., Par., 1942–43, **1:** 105–28.—**Siegel, H.** Army Classification [Test] in post-war vocational guidance. Occupations, 1943–44, **22:** 248–50.—**Simoneit.** Psychologische Offiziersanwärter-Eignungs-Prüfungen. Umschau, 1937, **41:** 287.—**Testing** as a part of military classification. Science, 1943, **97:** 473–8.—**Wolff, H. G.** Relation of military medical standards to military job classification system. Bull. Neuropsychiat. (NRC) Wash., 1949, 80–3.

—— Vocational interest.

See also **Education; Training; Vocational training.**

Clark, K. E. The vocational interest patterns of three Navy rating groups [20] l. 28cm. Minneap., 1949.

Forms No. 2. Techn. Rep. Dep. Psychol. Univ. Minnesota, & Task Order III, Project N6 ori–212 (or, No. 151 248) U. S. Off. Nav. Res.

Carlson, N. B., & Rich, J. A blinker adaptation of Thurstone's 1943 code aptitude test. Psychol. Bull., 1944, **41:** 322–31.—**Macrae, A.** War-time reflections on vocational problems. Occup. Psychol., Lond., 1943, **17:** 105–10.—**Mierke, K.** Ueber die praktische Veranlagung. Zschr. angew. Psychol., 1938, **55:** 154–92.—**Steiner, G.** Die psychologische Berufseignungsforschung in ihrer Bedeutung für die Psychiatrie (mit besonderer Berücksichtigung militärischer Verhältnisse) Mschr. Psychiat., 1918, **44:** 63–74.

OCCUPATIONAL therapist.

See also next heading; also **Physical therapist.**

Army status for occupational therapists. Hosp. Progr., 1942, **23:** 371.—**Barton, W. E.** Training program for occupational therapists in the U. S. Army. Occup. Ther. Rehabil., 1944, **23:** 281–3.—**Clark, E. W.** Orientation course for occupational therapists entering the Army general hospitals. Ibid., 244–6.—**Gorovoi-Shaltan, V.** O rabote voennogo vraća v oblasti psikhofiziologii truda. Voen. san. delo, 1935, No. 9, 71–81.—**Halloran, R. D.** Appointment of occupational therapists in the Army. Occup. Ther. Rehabil., 1941, **20:** 37–40.—**Myers, C. M.** Pioneer occupational therapists in World War I. Am. J. Occup. Ther., 1948, **2:** 208–15.—**Spangler, G. M.** Army orientation course for occupational therapists. Occup. Ther. Rehabil., 1944, **23:** 201.

OCCUPATIONAL therapy.

See also **School; War neurosis,** Treatment: Occupational therapy.

United States. Veterans Administration. Technical bulletin TB 10A–147: Occupational therapy. 9p. 27cm. Wash., 1948.

Barton, W. E. Occupational therapy. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 604–10.—**Casson, E.** Occupational therapy in wartime. Ment. Health, Lond., 1941, **2:** 42–5.—**Cates, E. M.** Occupational therapy with the ex-service man. Occup. Ther. Rehabil., 1928, **7:** 319–22.—**Cooley, M.** Address. Ibid., 1941, **20:** 371–5.—**DeBrisay, A.** Occupational therapy. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 56–8.—**Elwood, E. S.** Occupational therapy in time of war. Crippled Child, 1941–42, **19:** 144; 161.—**Fishbein, M., Bloomfield, J. J.** [et al.] Occupational therapy; a manual. War Med., Chic., 1943, **3:** 512; 635; 1943, **4:** 83.—**Greenfield, M. B.** Evaluation of results from occupational therapy. Med. Bull. Veterans Admin., 1941–42, **18:** 197–9.—**Kersley, G. D.** Occupational therapy. J. R. Army M. Corps, 1942, **78:** 236–9.—**Martin, E. F.** Military occupational therapy. Occup. Ther. Rehabil., 1944, **23:** 238–43.—**Occupational** therapy in war and peace; exhibition at Philadelphia Art Gallery, April–May 1944. Ibid., 155.—**Pattee, G.** Occupational therapy in the war. Med. Clin. N. America, 1943, **27:**

1154–65.—**S. Antoine, H. E.** Occupational therapy. U. S. Veterans Bur. M. Bull., 1931, 7: 273–8.—**Seitz.** Die Arbeitstherapie im Dienste der Kriegs- und Arbeitsinvalidenfürsorge. Kriegsbeschädigtenfürsorge, 1916–17, 1: 467–86.—**Warner, N.** Some functions of occupational therapy, military and civilian. Am. J. Occup. Ther., 1947, 1: 86–9.—**Wegener, K. F. E.** The value of occupational therapy. U. S. Veterans Bur. M. Bull., 1930, 6: 510.—**Willard, H. S.** Salvaging the nation's man power. Mil. Surgeon, 1942, 91: 416–8.—**Wilson, S. C.** Letter to an inquiring Army lieutenant. Occup. Ther. Rehabil., 1941, 20: 263–5.

—— Methods.

See also **Disabled,** Rehabilitation; **Neurotic,** Occupational adjustment; **Recreational therapy; Rehabilitation; Training;** also under names of specific conditions and diseases, e. g., **Tuberculous,** Treatment.

Blind. Schullazarette und Lazarettschulen. Med. Klin., Berl., 1916, 12: 559.—**Bradney, H. G.** Occupational and recreational therapy vital in treatment of disabled veterans. Welf. Bull., Springf., 1942, 33: No. 3, 4.—**Girdlestone, G. R.** Occupational therapy for the wounded. In: Rebabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 505–11.—**Goldthwait, J. E.** Bedside occupations for wounded soldiers. Reveille, Lond., 1918, 1: 75–7.—**Grossman, M.** Principles and practice of occupational therapy. Med. Bull. Veterans Admin., 1941–42, 18: 182–96.—**Handicraft** for soldiers; relieving period of convalescence. J. R. Army M. Corps, 1940, 75: 253.—**Kefauver, H. J.** Tbe vocational aspect of occupational tberapy. U. S. Veterans Bur. M. Bull., 1926, 2: 118–32. ——— Agriculture as occupational therapy in the neuropsychiatric hospitals. Ibid., 592–600.—**Kersley, G. D.** Craft analysis in occupational therapy. In: Rebabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 512–29.—**McQuitty, M.** Resume of effort to correlate medical treatment, occupational therapy and actual re-establishment of the patient in the economic picture. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 2, 6–9.—**Melnik, A. D.** [Indications, contraindications, objectives and methods of occupational therapy in forward and rear evacuation hospitals] Hosp. delo, 1944, No. 6, 9–14.—**Miner, S. M. S., & Dollins, M. W.** Remedial occupational therapy in an Army general hospital. Occup. Tber. Rehabil., 1946, 25: 131–6.—**Prescribing** occupational tberapy. Bull. U. S. Army M. Dep., 1946, 6: 20–2.—**Reilly, M., & Barton, W. E.** Do's and don'ts in military occupational tberapy. Occup. Ther. Rehabil., 1944, 23: 121–3.—**Roloff, W.** Seidenbau in den Lazaretten der Wehrmacht. Deut. Militärarzt, 1941, 6: 173.—**Royo Sarría, J. M.** Primeros pasos de la terapéutica ocupacional. Rev. españ. med. cir. guerra, 1945, 7: 649–54.—**Wilde, J. F., & Morgan, C. J.** Occupational therapy for psychoneurotics in hospital. J. R. Army M. Corps, 1943, 81: 24–31.

—— Organization.

See also under **Hospital,** convalescent; **Hospital report,** United States: Convalescent hospitals; **Hospital service,** Convalescent service; **Physical therapy.**

United States. Veterans Administration. Technical bulletin TB 10A–48: Manual arts therapy program medical service in VA hospitals and centers. 4p. 27cm. Wash., 1947. Also Change 1. [1]p. 1947.

Bain, T. D. Occupational therapy in the Department of Pensions and National Health. J. Canad. M. Serv., 1943–44, 1: 116–21.—**Barton, W. E.** The Army expands its occupational therapy program. Occup. Ther. Rehabil., 1943, 22: 247.—**Berteling, M. K.** Occupational therapy at Walter Reed General Hospital. Canad. J. Occup. Ther., 1945, 12: 4–6. ——— Occupational therapy in an Army convalescent hospital. Occup. Ther. Rebabil., 1946, 25: 171–3.—**Brownell, L.** The scope of occupational therapy in the bospitals of tbe U. S. Navy. In: Princip. Occup. Ther. (Willard, H. S.) Phila., 1947, 395–8.—**Burnette, N. L.** Occupational therapy in Canadian war hospitals. Mod. Hosp., 1918, 11: 401.—**Coulter, J. S.** Occupational tberapy in the Army. Occup. Ther. Rebabil., 1942, 21: 161–4.—**Cushman, E. L.** Micbigan's occupational adjustment plans. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 4.—**Egan, H. B.** U. S. Naval Hospital, Jacksonville, Florida. Occup. Ther. Rehabil., 1945, 24: 143–5.—**Gore, L. S.** U. S. Naval Hospital, Mare Island, California. Ibid., 146–8.—**Havkin, L. S.** [Occupational therapy in an evacuation hospital] Voen. san. dclo, 1942, No. 6, 36–43.—**Helmig, F.** U. S. Naval Hospital, Philadelphia, Pa. Occup. Ther. Rebabil., 1945, 24: 152–4.—**Hughens, H. V., & Parker, L. O.** Occupational therapy in a naval bospital. U. S. Nav. M. Bull., 1944, 43: 325–32.—**Irvine, M. E.** Report on occupational therapy in the Royal Canadian Army Medical Corps hospitals overseas. Canad. J. Occup. Ther., 1945, 12: 35–40.—**Jones, H. M.** The adaptation of industrial operations to occupational therapy in a naval hospital. Occup. Tber. Rehabil., 1945, 24: 179–82.—**Kahmann, W. C., & West, W.** Occupational tberapy in tbe United States Army hospitals, World War II; history, mission and scope. In: Princip. Occup. Ther. (Willard, H. S.) Phila., 1947, 329–41, 8 pl. ——— Standard and special hospital programs. Ibid., 342–75.—**Kean, J. M.** The development of occupational therapy in Australian military hospitals. Occup. Ther. Rebabil., 1945, 24: 81–4.—**Kefauver, H. J.** Occupational therapy in Veterans' Administration facilities. Ibid., 1933, 12: 357–63.—**Martin, E. F.** Occupational therapy in the United States Army hospitals, World War II; re-education of amputees. In: Princip. Occup. Ther. (Willard, H. S.) Phila., 1947, 376–84.—**Meyer, G.** U. S. Naval Hospital, Cbelsea, Massacbusetts. Occup. Tber. Rehabil., 1945, 24: 136.—**Montgomery, H. H.** Occupational therapy in the hospitals of the United States Navy, World War II; the rehabilitation program of the U. S. Navy. In: Princip. Occup. Ther. (Willard, H. S.) Phila., 1947, 385–94.—**Occupational** therapy in Army hospitals. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 149, 1–3; No. 203.—**O'Connor, L.** Occupational therapy work at a Navy mobile hospital. Occup. Ther. Rebabil., 1944, 23: 12–5.—**Offutt, H. D.** Occupational therapy in a military general hospital. Ibid., 1930, 9: 1–10.—**Ormond, M.** U. S. Naval Hospital, Corpus Christi, Texas. Ibid., 1945, 24: 141.—**Porter, W. C.** Occupational therapy in Army general hospitals. Ibid., 1941, 20: 377–81.—**Rambold, R.** U. S. Naval Hospital, Corona, California. Ibid., 1945, 24: 138–40.—**Reiger, A. C.** Occupational therapy at an Army amputation and neurosurgical center. Ibid., 195–204.—**Rubin, S.** Occupational therapy at the Waltcr Recd General Hospital; a patient's viewpoint. Ibid., 1929, 8: 105–11.—**Rudolph, H. L.** Work therapy in an Army general hospital. Arch. Phys. M., 1945, 26: 741–7.—**Russell, J. E.** Occupational therapy in military hospitals. Am. J. Care Cripples, 1918, 7: 112–6.—**Spörl, V.** Die Uebungsabteilung des Res. Laz. XX Wien. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 705–14.—**Underwood, E. E.** U. S. Naval Hospital, Santa Margarita Ranch, Oceanside, California. Occup. Ther. Rehabil., 1945, 24: 149–51.—**Vetting, M. L.** U. S. Naval Hospital, NNMC, Bethesda, Maryland. Ibid., 131–5.

OCCUPATION Forces.

See also **Expeditionary Forces; Occupied area;** also under various subheadings of **Wars and campaigns; World War I; World War II.**

Akzin, B. When our troops occupy; a preview of the problems of occupation. Harpers Mag., 1942–43, 186: 238–50.—**Army** (The) of occupation in Germany. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 2: 813–27.—**Basch, W. E. R.** Social problems at Kobe Base affecting the Medical Department. Surgeon Circ. M. Sect. Far East Command, 1950, 5: No. 3, 11–3.—**Cantwell, A. W.** Accident problem serious among European occupation forces. Red Cross Courier, 1947–48, 27: No. 4, 5.—**Dunlop, R.** An outbreak of gingivostomatitis amongst Australian troops in Japan. Med. J. Australia, 1949, 1: 33–41.—**Hamblin, D. J.** The problems of the occupation soldier. J. Social Hyg., 1947, 33: 389–91.—**Hamilton, S. W.** Neuropsychiatry in the Army of Occupation; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1929, 10: 423–8.—**Nicoll, J. A. V., Brown, A. S., & Shephard, E.** Surgery in a general hospital in Japan with the British Commonwealth Occupation Force. J. R. Army M. Corps, 1946, 87: 124–32.—**Occupational** military hygiene. Month. Health Rep. Mil. Distr. Washington, 1949, 2: No. 4, 8.—**Sigel, H.** Cutaneous diseases among Army personnel in Japan. Arch. Derm. Syph., Chic., 1948, 57: 128–31.

OCCUPIED area [incl. liberation]

See also **Government; Theater of operations.**

Clayton, J. B. General outline of sanitary order for issue on military occupation of a community. 11p. 12° Fort Leavenw., 1912.

In: San. Field Serv. Papers.

Posner, E. Public records under military occupation. 10p. 26½cm. Wash., 1943.

Army Medical Department establishes Civil Public Health Division. J. Am. M. Ass., 1944, 124: 1259.—**Codrington, W. S.** The life of an administrative officer R. A. V. C. in occupied territory. J. R. Army Vet. Corps, 1943–44, 15: 89–91.—**Essary, H.** Relief of hunger in occupied countries of Europe. Congress. Rec., 1943, 89: A1092.—**Hoehler, F. K.** Relief and rehabilitation in war-torn countries. Proc. Nat. Conf. Social Work., 1944, 71: 74–84.—**Luna, A. C.** Military government duty. Hosp. Corps Q., 1945, 18: 33–8.—**Relief** to liberated countries. Lancet, Lond., 1944, 2: 23; 1945, 1: 449.—**Useem, J.** Governing tbe occupied areas of tbe South Pacific; wartime lessons and peacetime proposals. Appl. Anthrop., 1945, 4: No. 3, 1–10.

—— Diseases.

See also **Malnutrition; Nutrition survey.**

Cameron, G. Observations on the dental condition of Europeans and Asiatics in Singapore following the Japanese Occupation. Brit. Dent. J., 1946, 81: 16.—**Malnutrition** in occupied countries [question in House of Lords] Brit. M. J., 1944, 1: 542.

—— Hygiene and sanitation.

See also **Relief.**

Great Britain. Foreign Office. Misc. No. 24 (1916) Correspondence with the U. S. ambassador regarding the relief of allied territories in the occupation of the enemy. 3p. f°. Lond., 1916.

—— Misc. No. 32 (1916) Correspondence respecting the relief of allied territories in the occupation of the enemy. 27p. f°. Lond., 1916.

Chatfield, C. The preparation of an emergency ration for use in liberated countries. J. Am. Diet. Ass., 1943, **19**: 267.—**Crabtree, J. A.** Health problems in occupied countries. Bull. Am. Ass. M. Social Work,. 1943, **16**: 103–7. Also Tr. Am. Hosp. Ass., 1943, **45**: 377–9.—**Hobson, H. G.** Hygiene and sanitation in Constantinople during the allied occupation. J. State M., Lond., 1926, **34**: 311–7.—**Paquet.** Instructions relatives à l'assainissement des régions libérées. Rev. prat. hyg. mun., Par., 1917, **12**: 106–12.—**Ziemann.** Hauptrichtlinien für eine sanitäre koloniale Organisation. Med. Klin., Berl., 1940, **36**: 575 (Abstr.)

—— Medical aspect.

Des Cilleuls & Moynier. Le service médico-social d'une région militaire; résultats obtenus après 18 mois de fonctionnement. Presse méd., 1943, **51**: 295 (Abstr.)—**Fèvre.** Internationalisation des médecins militaires et civils dans les territoires occupés par un adversaire. Bull. internat. Serv. santé, Liége, 1947, **20**: 324–6.—**Spencer-Cox, W. L.** The medical aspects of the occupation of captured enemy towns and ports. J. R. Army M. Corps, 1944, **82**: 99; 151.

—— Occupation forces.

See **Occupation Forces.**

—— Psychopathological aspect.

See also subheading (—by countries: Norway)

Brody, E. B. Social psychiatric problems of the occupation. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **3**: 2–10.—**Jones, E.** The psychology of Quislingism. Internat. J. Psychoanal., Lond., 1941, **22**: 1–6. Also Italian transl., Psicoanalisi, 1946, **2**: No. 2, 70–6.—**Meerloo, A. M.** Psychopathic reactions in liberated countries. Lancet, Lond., 1945, **1**: 443. ——— Some mental aftermaths of occupation. In his Aftermath of Peace, 1946, 145–54.—**Prins, S. A.** Psychological aspects of an escape from occupied territory. Brit. J. M. Psychol., 1947–48, **21**: 30–7.—**Sanford, R. N.** Identification with the enemy; a case study of an American quisling. J. Person., Durham, 1946–47. **15**: 53–8.—**Simson, T. P.** [Reaction in children who were in enemy occupied areas] Nevropat. psikhiat., 1944, **13**: No. 3, 40–5.

—— by regions: Austria.

Allied Military Government of Austria. United States Zone. Report of the United States Commissioner [n. p.] No. 1, 1945–

American Unitarian Service Committee. Medical mission to Austria, July 1–August 8, 1947. 46p. 22cm. Bost., 1948.

Freund, F. British schools and Austrian doctors. Brit. M. J., 1943, **2**: 436.

—— by regions: Belgium.

See also **Nutrition survey; World War I; World War II.**

Heymans, C. Over den huidigen voedings- en gezondheidstoestand in Belgie en de tusschenkomsten van Winterhulp. p.325–401. 24½cm. Brux., 1942.

In: Verh. Vlaam. acad. geneesk. Belgie, 1942, **4**:

Gratitude of the Belgians. J. Am. M. Ass., 1944, **126**: 583.

—— by regions: Czechoslovakia.

Health services in Sudetenland and the Nazis; by a Czech medical officer of health. Cath. M. Guard., Lond., 1939–40, **17**: 218–21.—**Löwy, J., & Recht, W.** Health services in the Czechoslovak Republic. Bull. Czech. M. Ass. Gr. Britain, 1941, No. 1, 15–25.—**Rauecker, B.** Die soziale Neuordnung im Protektorat; das deutsche Vorbild. Aerztebl. Hessen, 1941, **9**: 100.

—— by regions: France.

See also **Resistance; World War II,** France.

Bois, E. J. Truth on the tragedy of France. 416p. 19½cm. Lond., 1941.

Guiton, M. French public health administration, 1939, 1940, 1941, 1942, 1943, general health conditions in France, 1943–January 1944. 29 l. 32cm. n. p., 1944.

Binet, L. R. Un service parisien pendant l'occupation. In his Feuilles hôp., Par., 1949, 71–81.—**Boudin, P.** Réquisition des médicins civils; les syndicats médicaux ont le devoir de s'opposer à toute vexation d'ordre administratif. Concours méd., 1940, **62**: 1047.—**Cavaillon, A., & Danzig.** La situation sanitaire de la France après cinq ans de guerre et d'occupation. Arch. méd. sociale, Par., 1945, **1**: 301; 437. Also Bol. Of. san. panamer., 1946, **25**: 525–37.—**Ellis, M.** The French collapse. Lancet, Lond., 1940, **2**: 83.—**French** medicine under German occupation. J. Am. M. Ass., 1945, **127**: 871.—**Frick.** Social service work in the Department of Aube. Bull. League Red Cross Soc., 1942, **23**: 31.—**Glimpse** (A) into crucified France. J. Am. Vet. M. Ass., 1943, **102**: 395.—**Health** conditions in France in 1943. Am. OSE Rev., 1944, **3**: 31–5.—**Henri, G.** Les conséquences sanitaires de l'occupation en France. Lék. listy, 1946, **1**: 488–90.—**Huard, S.** Frankreichs Neuordnung auf dem Gebiet der Gesundheitspflege. Deut. Aerztebl., 1942, **72**: 273.—**Justin-Besançon, L.** Public health in France from the invasion to the liberation. War Med., Chic., 1945, **8**: 283–9. Also Spanish transl., Monde méd. (Ed. españ.) 1947, **50**: 97–108. Also Monde méd., 1948, **58**: 73–82.—**Lambling.** Social service work in the forbidden zone. Bull. League Red Cross Soc., 1942, **23**: 30.—**Larère, L.** Comment refaire la France. Concours méd., 1940, **62**: 1327.—**Le Dantec, A.** El cuerpo médico francés durante la guerra y la ocupación. Rev. As. méd. argent., 1944, **58**: 908–10.—**Martyrologe** de la médecine française. Gaz. méd. France, 1944–45, **52**: Spec. No., 7–15.—**Maurel, B.** Législation actuelle des loyers. Concours méd., 1940, **62**: 1127; 1161.—**Roger, H.** L'occupation allemande. In his Entre deux siècles, Par., 1947, 370–5.—**Serafino, X.** Souvenirs d'avant, pendant, après la libération. Sud méd. chir., 1945, **77**: 203–16.—**Solero, C.** Un anno di internamento negli ospedali tedeschi. Atti Clin. otorin. Roma (1943–47) 1948, **7**: 13–23.—**Sudre, R.** A saúde dos franceses durante a ocupação alemã. Impr. méd., Rio, 1945–46, **21**: No. 385, 98–102. Also Sem. méd. españ., 1946, **12**: 8.—**Sujet** (Au) de l'examen gynécologique des femmes designées pour partir en Allemagne. Bull. Acad. méd., Par., 1943, **127**: 105.—**Tanon, L.** Rapport sur les maladies épidémiques et l'état sanitaire en France en 1944. Ibid., 1945, **129**: 660.—**Victimes** (Les) du décret du 20 mai; autres victimes du décret. Concours méd., 1940, **62**: 1013; 1091.

—— by regions: Germany.

See also under **World War I.**

American Friends Service Committee. Report on conditions in Central Europe, No. 3: Public health in Germany. 7p. 23cm. Phila., 1946.

Germany. Allied Military Government of Germany. United States Zone. Military government weekly field report. No. 3, 6–12, 14–16. 11 nos. [size varies] 27½–33½cm. [n. p.] 1945.

—— Military Government weekly health report [n. p.] No. 17, 1945– No. 135, 1948.

Continuation of the Public health section of the Military government weekly field report, No. 3–16, 1945.

—— Public health and medical affairs; monthly report of Military Governor [n. p.] No. 1–50, 1945–49.

Balmašnov, A. Zásobovací katastrofa v Bizonü. Výživa lidu, 1948, **3**: 77.—**Brody, E. B.** Psychiatric problems of the German occupation. Am. J. Psychiat., 1948–49, **105**: 286–91.—**Bruns, E. H.** Report on the economic conditions of the poorer population of the city of Trier, as determined by house to house visits. Final Rep. Civil Aff. Trier Dep. San. Pub. Health, 1919, No. 4, 1–6, ch.—**DeForest, W. R.** Public health in Germany under U. S. occupation. Med. Bull. Europ. Command, 1949, **6**: No. 12, 28–37.—**Gesundheitsfürsorge** in der sowjetisch besetzten Zone. Deut. Gesundhwes., 1947, **2**: 108.—**Harding, W. G.** Reorganization of the health services in the British Zone of Germany. Lancet, Lond., 1949, **2**: 482–4.—**Harvey, W. C., & Markowe, M.** The Rhine barrier zone. Pub. Health, Lond., 1945–46, **59**: 31–4.—**Horsburgh, P. G., & Raeburn, H. A.** The health problem in Berlin (July, 1945, to January, 1946) Brit. M. J., 1946, **1**: 423–9.—**Kálmán, E.** Járványtani megfigyelések a nemibetegségek terén mutatkozó mozgalomban Németországban, a szovjet megszállási övezetben. Népegészségügy, 1949, **30**: 416.—**Konitzer, P.** Die Aufgaben der Deutschen Zentralverwaltung für das Gesundheitswesen in der sowjetischen Besatzungszone. Deut. Gesundhwes., 1946, **1**: 4–6.—**Kreis, H. A.** Beobachtungen über die hygienischen Verhältnisse in der amerikanischen Besetzungszone Deutschlands. Bull. Eidg. Gesundhamt., 1947, 240; 248. Also Strasbourg méd., 1947, **107**: 252.—**Linser, K.** Der Zweijahresplan des Gesundheitswesens in der Ostzone. Deut. Gesundhwes., 1948, **3**: 645; 681.—**Mouchot.** L'exercise de la médecine en

Allemagne; la médecine d'hôpital en Zone Ouest. Concours méd., 1950, 72: 328–30.—**Radetzky, R. v.** Ein Jahr Gesundheitspolitik. Deut. Gesundhwes., 1946, 1: 497–9.—**Saunders, N., & Levy, L. F.** Germany. Lancet, Lond., 1947, 1: 233.—**Smythe, D. J.** Impressions of post-war Germany. Trephine, Brisbane, 1949, 2: No. 4, 101–6.—**Waegner, H.** Krankenanstalten in den besetzten Ostgebieten. Deut. Aerztebl., 1943, 73: 70.

—— by regions: Holland.

See also **Nutrition survey; World War I; World War II.**

MEDISCHE ERVARINGEN IN NEDERLAND TIJDENS DE BEZETTING 1940–45. 486p. 23½cm. Groningen, 1947.

Banning, C., & Lohr, H. A. Occupied Holland. Brit. M. J., 1947, 1: 539–42.—**Baruch.** La résistance des médecins hollandais. Bruxelles méd., 1947, 27: 246.—**Doctors** in occupied Holland; wholesale rebellion against Nazi edict. Canad. Doctor, 1943, 9: No. 10, 23–7.—**Gesundheitszustand** des holländischen Volkes. Praxis, Bern, 1943, 32: 580.—**Health** crisis in the Netherlands. J. Am. M. Ass., 1944, 125: 156.—**Health** of the Netherlands under Hitler. Ibid., 1943, 122: 46.—**Holland's** health crisis. N. York State J. M., 1944, 44: 1022.—**Huizinga, T.** Medische ervaringen in Nederland tijdens de bezetting; geneesmiddelenverzorging. In: Med. ervar. in Nederland (1940–45) Groning., 1947, 187–226.—**Increase** of infectious disease in occupied Holland. Canad. M. Ass. J., 1944, 50: 100.—**Luijt, P. A. van.** Medische ervaringen in Nederland tijdens de bezetting; bedrijfshygiêne en beroepsziekten. In: Med. ervar. in Nederland (1940–45) Groning., 1947, 307–19.—**Martin, C.** Pattern for resistance; Holland's heroic physicians decline to deal with the Nazi invaders. Med. Econom., 1942–43, 20: No. 12, 121–4.—**Medical** expedition to Holland. Bull. U. S. Army M. Dep., 1944, No. 82, 31.—**Peeters, H.** Besmettelijke ziekten in en na den bezettingstijd. Tschr. ziekenverpl., 1947, 57: 186–90.—**Physicians** on strike in the Netherlands. Illinois M. J., 1943, 84: 225. Also J. Am. M. Ass., 1943, 122: 515.—**Statement** of protest of Netherlands physicians. Ibid., 123: 100.—**Sufferings** of occupied Holland; protest by Dutch physicians. Brit. M. J., 1945, 1: 230.

—— by countries: Hungary.

See also under **World War I; World War II.**

Csilléry. Die ungarische Aerzteorganisation. Münch. med. Wschr., 1940, 87: 1070.—[**Hungary.** Belügyminiszter] 1030/1941. B. M. számú rendelete; a magyar-német orvosegyezmény életbelépése. Népegészségügy, 1942, 3–8.—**Johan.** Ungarische Gesundheitsführung. Med. Klin., Berl., 1940, 36: 906.—**Kovách, G.** A megszállás alól felszabadult Felvidék egészségügyi szervei és intézményei. Népegészségügy, 1938, 19: 1156–61.—**Kubinyi, L.** A hároméves terv egészségügyi és szociális részének első évi eredményei Pest vármegyében. Egészségvédelem, 1948, 2: No. 9, 6–8.—**Kun, L.** A volt ungvári OKI Allomás szovjet-rendszer szerinti újjászervezése. Népegészségügy, 1948, 29: 534–8.—**Móricz, M.** A visszacsatolt területek lakossága sűrűség tekintetében megközelíti, szaporaságban meghaladja az eddigi terület népét. Ibid., 1938, 19: 1175.—**Olt, K.** Szociálpolitikánk és közegészségügyünk 5 éves terve. Ibid., 1949, 30: 254–8.—**Ratkó, A.** Öt éves tervünk indulásához. Ibid., 1950, 31: 2–5.—**Stux, S.** A hároméves terv nőgyógyászati vonatkozásai. Ibid., 1948, 29: 711.—**Vikol, J.** A magyar népi demokrácia egészségpolitikája; szervezési kérdések. Ibid., 577–82. ——— Szociálpolitikánk és közegészségügyünk ujjáépítésének és átszervezésének a 3 éves terv során elért eredményei. Ibid., 1949, 30: 250–4.—**Vilmon, G.** A tisztiorvos szerepe az ötéves tervben. Ibid., 369–78.—**Weil, E.** A nép alkotmánya. Otorhinolar. danub., 1948–49, 2: 137.

—— by regions: Italy.

See also **World War II.**

ALLIED MILITARY GOVERNMENT. Allied military government of Rome under the Fifth Army, 5–15 June 1944; report to the Army Commander. 145p. 24cm. Roma, 1944.

Allied Military Government in Sicily. Mil. Rev., Fort Leavenw., 1944, 24: No. 4, 35–42.—**Crichton, W. H.** Allied Military Government; la sua attività nel campo della salute pubblica. Progr. med., Nap., 1944, 1: 1–3.—**Italian** Medical Nutrition Mission. J. Am. M. Ass., 1945, 129: 747.

—— by regions: Japan and Pacific Islands.

See also **Optic fascicle,** Retrobulbar neuritis; also various subheadings of **World War II.**

[JAPAN] SUPREME COMMANDER FOR THE ALLIED POWERS. Two years of occupation. No. 1–3. 3v. in 1. 33cm. Tokyo, 1947.

[JAPAN] SUPREME COMMANDER FOR THE ALLIED POWERS. CIVIL INFORMATION AND EDUCATION SECTION. Publications analysis, No. 119: Medical conditions and public health. 5p. 33cm. Tokyo, 1947.

[JAPAN] SUPREME COMMANDER FOR THE ALLIED POWERS. PUBLIC HEALTH AND WELFARE SECTION. Bulletin [n. p.] Jan. 13-19, 1946–
Title varies.

—— Public health and welfare in Japan, 2 October 1945–31 December 1948. 220p. 23cm. Tokyo[?] 1949.

—— [The same] ... Annex and charts. 54p. 24cm. Tokyo[?] 1949.

—— [The same] .. Tables [v. p.] 23cm. Tokyo[?] 1949.

—— [The same] ... Annual summary. Tokyo [?] (1949) 1950–

RYUKYU ISLANDS. UNITED STATES ARMY MILITARY GOVERNMENT. Summation of activities [n. p.] No. 1, 1946–

UNITED STATES. ARMY. COMMITTEE FOR THE TECHNICAL AND SCIENTIFIC SURVEY OF JAPANESE ACTIVITIES IN MEDICAL SCIENCES. References from the Committee. 2 p. l., 280p. 25½cm. [n. p.] 1945.
Forms No. M–AB, Med. Targets.

UNITED STATES. ARMY SERVICE FORCES. Manual M 354–13: Civil affairs handbook. Japan, Section 13: Public health and sanitation. 215p. 26½cm. Wash. 1943.

UNITED STATES. DEPARTMENT OF THE ARMY. CIVIL AFFAIRS DIVISION. Weekly report on Japan to the Far Eastern Commission. Wash., Dec. 6, 1946–

UNITED STATES. NAVY. CHIEF OF NAVAL OPERATIONS. Publications, OPNAV 50E–2, Occupied areas section: Military government handbook: Kurile Islands. 79p. 27cm. Wash., 1943.

—— Publications, OPNAV 50E–9, Occupied areas section: Civil affairs handbook: Izu and Bonin Islands. 188p. 27½cm. Wash., 1944.

UNITED STATES. WAR DEPARTMENT. Pamphlet No. 31–2: Civil affairs guide; public health in the Japanese Empire. 96p. 23cm. Wash., 1944.

Dixon, O. H., jr. The role of veterinary medicine in the occupation of Japan. J. Am. Vet. M. Ass., 1946, 109: 445–9.—**Hamilton, M. G. B.** The Eighth Army veterinarian helps to raise Japanese public health standards. Ibid., 1949, 115: 1–5.—**Hammon, W. M., Meiklejohn, G.** [et al.] Epidemiological studies in Japan. Circ. M. Sect. Far East Command, 1947. No. 11, 5–14.—**Health** of Japanese civilians under assault. Bull. U. S. Army M. Dep., 1947, 7: 247–9.—**Occupation** of Japan. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 13, 1–20.—**Sams, C. F.** Sanitary team organization in Japan. Mil. Surgeon, 1948, 103: 25–9.

—— by regions: Netherlands Indies.

See also **Prisoner of war**—by belligerent captor powers; **World War II.**

Loghem, J. J. van. La situation sanitaire aux Indes Néerlandaises pendant l'occupation japonaise. Bull. Off. internat. hyg. pub., Par., 1946, 38: 506–19.—**Springer, R.** Ervaringen van een groep engelsche en nederlandsche krijgsgevangenen op het eiland haroekoe tijdens de japansche bezetting van Ned.-Indië. Geneesk. gids, 1946, 24: 201; 213.—**Wilcocks, C.** Medical organization and diseases of the Netherlands East Indies before the Japanese invasion. Trop. Dis. Bull., Lond., 1944, 41: 983–96.

—— by regions: Norway.

See also **World War II.**

WORM-MULLER, J. S. Norway revolts against the Nazis. 2. ed. 152p. 22cm. Lond., 1941.

Doctors in subjection. Canad. Doctor, 1942, 8: 18–20.—**Gjessing** (The) affair; Norwegian doctors stand firm against nazification. Am. J. Psychiat., 1941–42, 98: 614.—**Langfeldt, G.** Psychiatric observations and experiences during the German occupation of Norway. Acta psychiat. neur., Kbh., 1946, 21: 459–71. Also Tskr. Norske laegeforen., 1946, 66: 514–7, pl.—**Larsen, T.** Norway and the Nazis. Johns Hopkins Alumni Mag., 1942–43, 31: 37–41.—**Ødegård, O.** The incidence of mental disorder among the Norwegian quislings

Acta psychiat. neur., Kbh., 1947, Suppl. 47, 568–73.—**Roed, E. M.** Hospitals keep faith despite Nazi bondage. Hospitals, 1944, 18: No. 4, 39.

—— **by regions: Poland.**

See also **Nutrition survey; World War I; World War II.**

American Unitarian Service Committee. Medical mission to Poland and Finland, July 1–August 27, 1948. 82p. 22cm. N. Y., 1949.

I Saw Poland Suffer, by a Polish doctor who held an official position in Warsaw under German occupation. 2. impr. 127p. 21½cm. Lond., 1941.

[Safranek, M.] The black book of Poland. 2. impr. 615p. N. Y., 1942.

Walbaum, J. Kampf den Seuchen! Deutscher Aerzte-Einsatz im Osten. 221p. 25cm. Kraków, 1941.

Bilikiewicz, T. Polityka sanitarna okupanta na Pomorzu. Polski tygod. lek., 1948, 3: 1423; passim.—**German** persecutions in Poland. Science, 1941, 94: 540.—**Greifelt, U.** The Germanization of western Poland. In: World of Gen. Haushofer (Dorpalen, A.) N. Y., 1942, 280–3.—**Grossmann, H.** Ueber Aufgabe und Leistung der Hygiene im Aufbaugebiet Wartheland. Deut. Aertzebl., 1943, 73: 166–9.—**Honor** memory of murdered Polish professors. J. Am. M. Ass., 1942, 118: 748.—**Müller, F.** Der Aufbau des Gesundheitswesens im Generalgouvernement für die besetzten polnischen Gebiete. Deut. Aerztebl., 1940, 70: 85.—**R., A.** The mass murder of physicians, nurses, wounded soldiers and patients in Warsaw hospitals during the uprising of 1944 against the German invaders. Med. Dent. Bull., 1948, 20: 1; passim.—**Ruppert.** Die Erb- und Rassempflege im Generalgouvernement. Deut. med. Wschr., 1943, 69: 407 (Abstr.)

—— **by regions: Russia.**

See also **World War I; World War II.**

Bogolepova, L. S. O roli sanitarnogo prosveščhenija v likvidacii mediko-sanitarnykh posledstvij vojny. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., 1: 81–6.—**Eremeev, G. V.** [Sanitary-hygienic problems in districts liberated from the enemy] Hig. & zdorov., 1942, 7: No. 7, 49–51.—**Gabrilovich, M. A.** Sanitarnye posledstvija hitlerovskoj okkupacii BSSR i pervoočerednye meroprijatija po likvidacii etikh posledstvij. Hig. & san., Moskva, 1945, 10: No. 4, 41–7.—**Goriushin, V. A.** Meroprijatija po likvidacii mediko-sanitarnykh posledstvij vojny v Kalininskoj oblasti. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., 1: 66–75.—**Javnel, A. J.** [The work of a state sanitary inspector in liberated regions] Hig. & san., Moskva, 1943, 8: No. 8, 37–43. ——— [Sanitary and anti-epidemic work in the provinces liberated from occupation] Sovet. zdravookhr., 1944, No. 4, 20–6.—**Kurashov, S. V.** Restoration of public health in liberated regions of the RSFSR] Sovet. med., 1944, 8: 28–30.—**Melkumianc, N. B.** [Control of epidemics in liberated regions] Feldsher, Moskva, 1943, No. 12, 8–15.—**Mogilevsky, J. A.** [Communal farming problems in the state sanitary inspection of regions liberated from the Germans] Hig. & zdorov., 1942, 7: No. 8, 51–3.—**Mykhin, A. P.** [Immediate sanitary and antiepidemic measures in liberated areas] Hig. & san., Moskva, 1943, 8: No. 49–51.—**Rosenberg, D.** [Restoration of the water supply and sewage system in the liberated cities] Ibid., 1944, 9: 48–50.—**Samgin, A. N.** [Sanitary technical measures in cities liberated from the Germans] Hig. & zdorov., 1942, 7: No. 5, 41–4.—**Schuhman, M. E.** [Sanitary work and control of epidemics in Moscow districts liberated from the Germans] Ibid., 37–41.—**Semashko, N. A.** [Sanitary work in regions, liberated from the Germans] Ibid., No. 8, 49–51. ——— O likvidacii sanitarnykh posledstvij vojny. Sovet. zdravookhr., 1947, No. 2, 45–8.—**Shilov, M. S.** O khode likvidacii mediko-sanitarnykh posledstvij vojny v Kurskoj oblasti. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., 1: 46–50.—**Shkliar, B. M.** Meroprijatija po likvidacii sanitarnykh posledstvij vojny i okkupacii v Dnepropetrovskoj oblasti. Ibid., 51–65.—**Tkachev, T. J.** [Sanitary technical needs in liberated cities and populated localities] Hig. & san., Moskva, 1944, 9: 46.—**Unuchek, O. I.** O likvidacii medico-sanitarnykh posledstvij vojny v Novgorodskoj oblasti. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., 1: 78–80.

OCEAN.

See **Cold exposure,** Immersion in water; **Emergency; Shipwreck; Water supply.**

OCHROGASTER.

See also **Dermatitis.**

Berkowitz, S. Caterpillar dermatitis. Bull. U. S. Army M. Dep., 1945, 4: 464–7.

OCULAR muscle balance.

See under **Eye movement;** also **Strabismus.**

OCULOGYRAL illusion.

See **Illusion.**

OCULOMOTOR paralysis.

See under **Ophthalmoplegia.**

ODONTOMA.

See under **Jaw.**

ODOR control.

See also **Garbage.**

Consolazio, W. V., & Doherty, D. G. Evaluation of an activated carbon canister (dorex) and blower designed especially for removal of offensive odors. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–533, U. S. Nav. M. Res. Inst.

—— Evaluation of six commercial means of odor control for use in inhabited spaces. 5p. 27cm. Bethesda, 1946.

Forms Rep. No. 3, Res. Proj. X–533, U. S. Nav. M. Res. Inst.

Consolazio, W. V., & O'Neal, J. D. An evaluation of activated carbon as a means of odor control in meat and garbage lockers. 6p. 27cm. Bethesda, 1946.

Forms Rep. No. 5, Res. Proj. X–533, U. S. Nav. M. Res. Inst.

Evaluation of an activated carbon canister and blower designed especially for removal of offensive odors. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 32.

OFFENSIVE.

See also **Attack; Battle; Combat; Maneuvers; Operation; Psychological warfare,** Offensive; **Reserve; River crossing.**

Boldyrev, T. E. [Cardinal conditions for success in anti-epidemic work among troops in offensive operations] Voen. med. J., Moskva, 1944, June, 25–34.—**Drozdov, D. I.** Khirurgičeskaja pomošć vo vremja nastupatelnoj operacii N-skoj armii. Ibid., 1946, No. 3, 37.—**Georgevski, A., Krichevski, Y., & Gorski, B.** Medical organization for a military offensive. Am. Rev. Soviet M., 1943–44, 1: 389–99, pl.—**Georgievsky, A. S., & Tarkhanov, S. I.** [Organization of medical service of rifle division for offensive operations] Voen. san. delo, 1943, No. 10, 33–40.—**Georgievsky, A., & Weisberg, M.** Nastuplenie. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 1253–63.—**Lapidus, B. N.** Opyt raboty sel v period nastuplenija. Voen. med. J., Moskva, 1946, No. 6, 36–8.—**Libov, S. L.** Organizacija lečenija netransportabelnykh ranenykh vo vremja nastupatelnykh operacij. Ibid., 1947, No. 3, 26–9.—**Popovian, I. M.** [Tasks of a military surgeon during an offensive] Voen. san. delo, 1942, No. 7, 15–8.—**Vacca, J. E.** Apreciación de situación y resolución. Rev. mil., B. Air., 1942, 42: pt 1, 461–5.—**Watkins, J. G.** Further opportunities for applied psychologists in offensive warfare. J. Consult. Psychol., 1943, 7: 135–41.

—— **Blitzkrieg.**

See also **Mobile warfare;** also appropriate headings under **World War II.**

Dent, J. Y. Blitzkrieg. In his Anxiety, Lond., 1941, 113–9.—**Fodor, M. W.** The Blitzkrieg in the low countries. Foreign Affairs, 1940–41, 19: 193–206.—**Gillespie, R. D.** On the psychological effects of blitz warfare on armed forces and civilian population. J. Nerv. Ment. Dis., 1941, 94: 665.

OFFICE of Naval Research.

See also **Research.**

United States. Office of Naval Research. ONR project summary; quarterly supplement. Wash., v.2, 1948–

Title varies: Jan. 1948–April 1949 have title Quarterly project summary.

—— Quarterly project summary. Dental section. Wash., April/June, 1949–

United States. Office of Naval Research. Special Devices Center [Technical] reports. Port Washington, 1948–

Office (The) of Naval Research. In: Science & Pub. Policy (U. S. President Sc. Res. Bd) Wash., 1947, **2**: 55–60.—**Pfeiffer, J. E.** The Office of Naval Research. Sc. American, 1949, **180**: No. 2, 11–5.—**Research** Group of the Office of Naval Research. Research Rev. (U. S. Navy) 1949, May, Suppl., p. i.—**Schlack, C. A.** Progress of naval dental research sponsored by the Office of Naval Research and the Medical Department of the Navy. Mil. Surgeon, 1949, **105**: 245.

OFFICER.

See also under the following headings: **Chemical Corps,** Reserve officer; **Dental health**—by countries: United States; **Dental officer; Education,** Role of medical officer; **Equipment officer; Health officer; Historical officer; Hospital staff,** Administrative officers; **Medical officer; Reserve officer; Supply officer; Surgeon General; Venereal disease control officer; Veterinarian.**

—— Defects.

Grickevich, D. I., & Shustov, V. M. O vozmoźnosti prodolźenija služby v Armii oficerov posle amputacii konećnostej. Voen. med. J., Moskva, 1946, No. 6, 19–29.—**Kellogg, F.** Physical defects among physician and other applicants for commission. Army M. Bull., 1943, No. 68, 158–65.

—— Diseases and life expectancy.

See also under specific names of diseases and disabling conditions.

Cutler, S. J., & Rafferty, J. A. Comparison of life expectancy, period of active duty and medical history of flying and non-flying officers, 1920–47. 32p. 26cm. Randolph Field, 1949.

Forms Rep. No. 1, Proj. No. 21-02-014, U. S. Air Force School Aviat. M.

Age of American military leaders; Marine Corps and Coast Guard. Statist. Bull. Metrop. Life Insur., 1945, **26**: No. 7, 8–10.—**Giovaneli, J. A.** Las aptitudes y edad de los generales a través de la historia. Rev. mil., B. Air., 1944, **44**: pt 2, 989–1020.—**Lebensohn, Z. M.** Psychoses in naval officers; a plea for psychiatric selection. Am. J. Psychiat., 1944–45, **101**: 511–6.—**Mayer-Gross, W., Moore, J. N. P.** [et al.] Forecasting the incidence of neurosis in officers of the Army and the Navy. J. Ment. Sc., Lond., 1949, **95**: 80–100.—**Menninger, W. C.** Special stresses affecting officers. In his Psychiat. in a Troubled World, N. Y., 1948, 78–80.—**Reed, L. J., & Love, A. G.** Biometric studies on U. S. Army officers; longevity in relation to physical fitness. Proc. M. Sect. Am. Life Convent., 1931, **21**: 121–43.—**Reider, N.** Psychodynamics of authority with relation to some psychiatric problems in officers. Bull. Menninger Clin., 1944, **8**: 55–8.

—— Physical examination.

See also **Medical examination,** annual or periodical.

Boaz, J. J. Annual physical examination of national guard officers. Mil. Surgeon, 1934, **74**: 41–3.—**Dunham, G. C.** The annual physical examination of army officers in 1924. Ibid., 1925, **56**: 348–55.—**Hall, J. W.,** jr, **& Hick, F. K.** Physical examination of applicants for commission in the United States Army. Proc. Inst. M. Chicago, 1942–43, **14**: 444. —— Physical examination of applicants for commission; observations and impressions. War Med., Chic., 1945, **8**: 82–4.—**Siler, J. F.** Review of the reports of the 1924 annual physical examination of officers on duty in the Philippine Islands. Mil. Surgeon, 1925, **56**: 558; 738, pl.

—— Psychology.

See also **Leadership.**

Pennington, L. A., Hough, R. B., jr, & Case, H. W. The psychology of military leadership. 3. print. 288p. 23½cm. N. Y., 1943.

Alcorta, J. F. Psicología del jefe militar. Rev. mil., La Paz, 1944, **8**: 475–7.—**Schmidt.** Psychologie und Offizier. Mil. Wbl., Berl., 1935–36, **120**: 1230.

—— Selection.

See also under names of military occupational specialties, as **Medical officer,** Procurement and assignment; also **Selection board.**

Baeyer, W. Kinder- und jugendpsychiatrische Gesichtspunkte in der Aussprache mit Offiziersbewerbern. Zschr. angew. Psychol., 1938, **55**: 238–56.—**Eisendorfer, A., & Bergmann, M. S.** The factor of maturity in officer selection. Psychiatry, Balt., 1946, **9**: 73–9.—**Gillman, S. W.** Methods of officer selection in the Army. J. Ment. Sc., Lond., 1947, **93**: 101–11.—**Hawk, W. A.** The psychiatric aspects of officer selection. Am. J. Psychiat., 1944–45, **101**: 655–60.—**Juarros, D. C.** Reclutamiento y ascensos de los oficiales del Ejército. Rev. san. mil., Madr., 1932, **22**: 227–40.—**Milorad, F.** [Recruiting of medical officers] Voj. san. glasnik, 1938, **9**: 355–67.—**Mira y López, E.** The selection of officers. In his Psychiatry in War, N. Y., 1943, 58–61.—**Murray, H. A., & Stein, M.** Note on the selection of combat officers. Psychosomat. M., 1943, **5**: 386–91.—**Psychological** investigations used to select officers and specialists for the German Army. Lancet, Lond., 1942, **2**: 100.

—— Selection: Tests.

See also such terms as **Aviator** subheadings (Performance test; Personality test; Physical examination) **Medical examination; Personality test,** etc.

Bartlett, N. R. Comparison of results obtained on the experimental form of the Officer Mechanical Aptitude Test, Form X–1 (Navpers–16640) with results on the Officer Qualification Test, Form 3 (Navpers–16563) and grades in submarine school. 6 l. 28cm. N. Lond., 1944.

Forms Proj. No. X–382, U. S. Nav. M. Res. Laborat.

Leavitt, H. J., & Adler, N. Validation of officer selection tests by means of combat proficiency ratings; final analysis. 45 l. 27cm. Camp Lejeune, 1946.

Forms Rep. No. 2, Res. Proj. X–620, U. S. Nav. M. Field Res. Laborat.

Crespo, J. B. Las pruebas de selección en el reclutamiento de oficiales. Rev. mil., B. Air., 1941, **41**: pt 2, 1021–9.

—— Sociology.

Dietz, H., ed. Die Ehrengerichtsverordnungen, Neufassung 1910 (Bayern: 1911) enthaltend die Allerh. Verordnungen über Ehrengerichte der Offiziere und Sanitätsoffiziere im Preussischen und Bayerischen Heere, der Offiziere und Sanitätsoffiziere des Kommandos der Schutztruppen im Reichskolonialamt und der Kais. Schutztruppen, die Ergänzungsorder (vom 1. Januar 1897) nebst ergänzenden Erlassen und Bestimmungen. 2. u. 3. Aufl. 301p. 18½cm. Rastatt, 1912.

Endres, F. C. Soziologische Struktur und ihr entsprechende Ideologien des deutschen Offizierkorps vor dem Weltkriege. Arch. Sozialwiss., 1927, **58**: 282–319.—**Lewis, R.** Officer-enlisted men's relationships. Am. J. Sociol., 1946–47, **52**: 410–9.

OFFICER candidate.

See also **Officer,** Selection.

Williams, S. B., & Leavitt, H. J. Development of objective methods of evaluating personalities of officer candidates on the basis of personal preferences, social judgments, and self-ratings. 46 l. 26½cm. Camp Lejeune, 1944.

Forms Res. Proj. X–383, U. S. Nav. M. Field Res. Laborat

—— Development of a group test of susceptibility to hyperventilation and its application to the neuropsychiatric screening of officer candidates. 8 l. 27cm. Camp Lejeune, 1945.

Forms Res. Proj. X–384, U. S. Nav. M. Field Res. Laborat.

—— & Blair, C. L. Application of the NDRC Personal Inventory and other measures in the selection of officer candidates; the use of school grades as a criterion of test validity. 21 l. 27cm. Camp Lejeune, 1946.

Forms Rep. No. 5, Res. Proj. X–386, U. S. Nav. M. Field Res. Laborat.

Williams, S. B., Leavitt, H. J., & Mendola, G. V. Application of the NDRC Personal Inventory and other measures in the selection of officer candidates; a follow-up study of the personal preferences technique. 13 l. 27cm. Camp Lejeune, 1946.

Forms Rep. No. 4, Res. Proj. X–386, U. S. Nav. M. Field Res. Laborat.

Woods, W. L., Brouha, L. [et al.] Selection of officer candidates. 46p. 23cm. Cambr., Mass., 1943.

Behnsen. Erbbiologische Gesichtspunkte bei der psychologischen Prüfung der Offiziersanwärter. Veröff. Heer. San., 1939, No. 108, 159–73.—**Humbert, W. C.** Physical status of the officer candidate. Mil. Surgeon, 1946, **98**: 417–20.—**Jensen, M. B., & Rotter, J. B.** The validity of the multiple choice Rorschach test in officer candidate selection. Psychol. Bull., 1945, **42**: 182–5. ——— The value of thirteen psychological tests in officer candidate screening. J. Appl. Psychol., 1947, **31**: 312–22.—**Keast, W. R.** The training of officer candidates. In: U. S. Army in World War II, Wash., 1948, AGF 2: 321–64.—**Officer** candidate rating scale. Occupations, 1943–44, **22**: 214.—**Sanitätsoffizieranwärter** des Heeres. Deut. Aerztebl., 1936, **66**: 1271.

OFFICE of Scientific Research and Development.

See also **Research; Scientist.**

Stewart, I. Organizing scientific research for war; the administrative history of the Office of Scientific Research and Development. 358p. 22cm. Bost., 1948.

United States. Office of Scientific Research and Development. Committee on Medical Research. Collected reprints [No. 1–1096] 12v. 26½cm. Wash., 1941–46.

——— Clinical investigation report. Wash., No. 1–65, 1941–45.

——— Medicine report. Wash., No. 5–13, 1944–45.

——— Monthly progress report [n. p.] No. 9, 1944–

——— Summary of reports received. Wash., No. 1, 1944–

OIL.

Black, A. P., Trumper, M., & Pfeiffer, C. C. Skin testing, antioxidant oils. 4p. 26½cm. Bethesda, 1943.

Forms Rep. No. 4, Res. Proj. X–180, U. S. Nav. M. Res. Inst.

Turner, J. M. Probable non-toxicity of synthetic low temperature instrument oil, E–25d. [1] l. 26½cm. Bethesda, 1945.

Forms Rep. No. 17, Res. Proj. X–180, U. S. Nav. M. Res. Inst.

Guéguen, P. Falsification d'une huile d'olive fine pour horlogerie par addition d'huile de coton soufflée ou oxydée; discussion technique de cette analyse. Arch. méd. nav., Par., 1911, **96**: 202–16.—**Matunami, T., & Iso, Y.** Kaku-rui tuiderumo senkō-do narabi-ni sono daiyōhin ni tuite [Refractivity of various kinds of immersion oil and substitutes] Gun idan zassi, 1927, 567–72, tab.—**Wrenn, H. T.** Studies on the bactericidal properties in vitro of certain fatty oils irradiated with the quartz-mercury-vapor spectrum. U. S. Veterans Bur. M. Bull., 1927, **3**: 898–910, pl.

OINTMENT.

See also **Burns,** Treatment: Local remedies; **Gas warfare,** Defense: Devices; **Therapeutics.**

Brauner, H. Salbentherapie in der Kriegszeit. Wien. med. Wschr., 1940, **90**: 834.—**Gillespie, F. S.** Two useful ointments. J. R. Army M. Corps, 1937, **68**: 58.—**Kōyaku** siken seiseki ni tuite [Results of tests of medicinal salves] Gun idan zassi, 1925, 102–5.—**O'Farrell, N. M., Tarnowsk, S., & Castillo, G.** Use of new emulsion type ointment base. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 26, 17.

OKINAWA.

See under **World War II.**

OLD Farms Convalescent Hospital.

See under **Blind,** Rehabilitation.

OLECRANON.

See also **Fracture**—by site: Olecranon.

Bennett, W. L. Case of compound fracture of the olecranon. J. R. Army M. Corps, 1908, **10**: 527, pl.—**Emura, M.** Zyūkenzyutu ni yoru mansei gaisyō-sei ōsi-tokki nen-eki nōen ni tuite [... chronic, external olecranal bursitis due to bayonet practice] Gun idan zassi, 1928, 447–52, pl.

OLEOTHORAX.

See also **Pneumothorax; Tuberculous,** Treatment.

Fine, H. M. Oleothorax. Med. Bull. Veterans Admin., 1935, **12**: 188.—**Josewich, A.** Simplified oleothorax. Ibid., 1934, **10**: 173–86, 3 pl.—**Wszelaki, S.** [Therapeutic effect of oleothorax in hemorrhages in pulmonary tuberculosis] Lek. wojsk., 1929, **14**: 411–28.

OLIGURIA.

See under **Urination.**

OMENTUM.

Brousses, Manot & Nouail. Kyste hydatique du grand épiploon, extirpation, guérison. Bull. Soc. méd. mil., fr., 1934, **28**: 50–4.—**Gauthier, C.** Two cases of epiploitis. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 9, 58.—**Simizu, S.** Daimōmaku hi-yō nōsyu ni yoru ileus no iti syuzyutu tiken rei [A case of successful operation on ileus caused by dermoid cyst of the great omentum] Kaigun gun-ikai zassi, 1938, **27**: 479–81, pl.—**Tanaka, R.** Dai-mōmaku yori hassei-seru kossyu no iti rei [A case of osteoma originating in the greater omentum] Gun idan zassi, 1927, 236–40.—**Ueda, H.** Dai-mōmaku teki-syutu no ketueki ni oyobosu eikyō ni tuite [Ueber den Einfluss der Extirpation des grossen Netzes auf das Blut] Ibid., 1933, 701–28. ——— Dai-mōmaku no kinō ni kan-suru zikken-teki kenkyū [Experimentelle Untersuchungen über die Funktion des grossen Netzes] Ibid., 1934, 11–52.

OMPHALOMESENTERIC duct.

Seeley, S. F., Kamish, R. J., & Thomas, D. E. Obliterated omphalomesenteric duct causing abdominal pain. Bull. U. S. Army M. Dep., 1949, **9**: 790.

ONCHOCERCA.

See also **Blind.**

Bondi, R. L'oncocercosi africana. Gior. med. mil., 1943, **91**: 199–203.—**Morell, J.** La oncocercosis o ceguera en las costas de Guatemala y América del Sur. Bol. farm. mil., Madr., 1931, **9**: 193–6.

ONCOLOGY.

See **Tumor.**

O N R

See **Office of Naval Research.**

OPERATING equipment.

See **Instrument; Surgical equipment.**

OPERATING light.

See also under **Lamp.**

Gray, G. A., & Edmonds, C. O. Additional operating-room lighting aboard ship. U. S. Nav. M. Bull., 1945, **45**: 1179–81.—**Portable** surgical lighting, a wartime convenience. Surg. Equip., 1943, **10**: No. 3, 16.—**Turpin, P. G.** An improvised lighting system for a field ambulance operating tent. J. R. Army M. Corps, 1939, **73**: 128.

OPERATING room.

See also **Dugout; Nursing,** Manual; **Operating tent.**

Dijarric de la Rivière, R. Pavillon opératoire pour hôpital de campagne. Paris méd., 1917, **21**: 543.—**Frank-Kamenecky, L., Lagovsky, N., & Arjev, T.** Operacionnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 10–22.—**Jones, H. W.** Standardize our operating pavilions. Mil. Surgeon, 1933, **72**: 44–7.—**Mizuno, H. C. M.** An operating room constructed from two trucks. Tr. Far East. Ass. Trop. M., 1934, 9. Congr., **2**: 985.—**Morgan, R. E., Roane, C. W., & Harrington, A. J.** Bacterial content of operating-room air aboard ship. U. S. Nav. M. Bull., 1945, **45**: 885–8.—**Rochester, M.** Post-operative recovery room. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 5, 19.

——— Technical procedure.

See also **Nursing; Nursing service; Surgical technic.**

United States Army. Enlisted Technician's School. Operating room technique for surgical technicians. 134p. 27cm. S. Franc., 1943.

Danyo, A. The Navy trains operating room technicians. Am. J. Nurs., 1945, **45**: 727–9. ——— Operating room procedures. Hosp. Corps Q., 1945, **18**: No. 12, 1–23.—**Rebelsky, I. V.** [The procedure of medical personnel in the operating room] Voen. san. delo, 1943, No. 7, 46.

OPERATING table.

See also **Bath; Fracture table; Orthopedic table; Surgical equipment.**

Axhausen. Unser Feldoperationstisch. Münch. med. Wschr., 1915, **62**: 281.—**Barnett, H. E.** A new operating table for use in military hospital in forward areas. J. Mil. M. Pacific, 1946, **2**: 55–64.—**Day, L. C.** Emergency field operating table for rectal and perineal surgery. U. S. Nav. M. Bull., 1942, **40**: 428, pl.—**Dumbadze, D.** [Accessory table for operating tables] Voen. san. delo, 1937, No. 11, 116.—**Dunlop, G. R., & Humberd, J. D.** Arm board for Navy operating table. U. S. Nav. M. Bull., 1945, **44**: 171.—**Eichler, P.** Ein behelfsmässiger, kleiner Röntgen-Operationstisch. Deut. Militärarzt, 1940, **5**: 345.—**Fleming, J. M.** Safety lock for folding field operating table. U. S. Nav. M. Bull., 1944, **43**: 1047.—**Gage, E. L.** Headrest for Navy operating table. Ibid., 1945, **44**: 1291.—**Gusev, A.** Operacionnyi stol. In: Enciкl. slovar voen. med., Moskva, 1946–48, **4**: 27–30.—**Hall, H. H.** Dental chair as auxiliary operating table. U. S. Nav. M. Bull., 1944, **43**: 565.—**Hauser, C. U., & Martin, W. F.** A simplified fracture table of all-wood construction. Mil. Surgeon, 1943, **93**: 313–7.—**Higgins, A. R.** Combination shipboard operating table for general, orthopedic and urologic surgery. U. S. Nav. M. Bull., 1944, **43**: 1243–50.—**Hussey, P. C.** Surgery on the mess table. Hosp. Corps Q., 1945, **18**: No. 12, 48–50.—**Köstler, J.** Montierbare Beckenstütze zum Feldoperationstisch. Deut. Militärarzt, 1943, **8**: 692.—**Mrazek, C.** Wardroom operating table for destroyers. U. S. Nav. M. Bull., 1944, **43**: 1044–6.—**O'Heeron, M. K.** An easily constructed urology table. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 72.—**Schneidt, W.** Ein Verband- bzw. Operationstisch für Lazarettzüge, Feldlazarette, usw. Deut. mil. ärztl. Zschr., 1916, **45**: 40–4.—**Schuessler, C. F.** Development of a lightweight operating room table. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 42.—**Templeton, H. D., & Weeks, C.** The conversion of a Navy standard operating table into a fracture table. U. S. Nav. M. Bull., 1943, **41**: 1413–6.

OPERATING tent.

See also **Operating room; Tent;** also **Hospital, portable surgical.**

Harris, F. Two improvised operating tents. J. R. Army M. Corps, 1939, **72**: 43–8.—**Iacobovici, I.** Le bloc opératoire mobile de guerre. Rev. chir., Bucur., 1940, **43**: 698–701.—**Richmond, G.** The time factor in war emergency surgery; description of a portable miniature operating theater for use on the battlefield. Med. Rec., N. Y., 1944, **157**: 102; 287.—**Shucksmith, H. S.** Plan of a tented field operating theatre as used by the 18th General Hospital and suggested modifications. J. R. Army M. Corps, 1941, **77**: 201–4.—**Solovjev, N.** [Movable operating room] Voen. med. J., Petrogr., 1915, **244**: Med. spec. pt, 378–81.—**Willan, R. J.** A mobile operating theatre. Brit. M. J., 1940, **2**: 752–4, plans.

OPERATION [military]

See also such terms as **Combined operation; Landing operation;** also **Wars and campaigns; World War I; World War II;** also such specific terms as **Battle; Combat; Defense; Maneuvers; Offensive; River crossing; Warfare.**

—— Air operation.

See such terms as **Air raid; Air warfare; Bombardment,** etc.

—— amphibious.

See **Amphibious warfare.**

—— antisubmarine.

See **Submarine.**

—— arctic.

See also **Arctic service.**

Blair, E. A., & Gottschalk, C. W. Efficiency of Signal Corps operators in extreme cold. 17 l. 28cm. Fort Knox, 1947.

Forms Proj. No. 57–2, U. S. Armored M. Res. Laborat. Also Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 2, 1–17.

Christensen, J. M. Aerial analysis of navigator duties with special reference to equipment design and workplace layout; navigator and radar operator activities during three arctic missions. 49p. 26½cm. Dayton, 1948.

Forms No. MCREXD–694–15A, Memo Rep. U. S. Air Force Aero M. Laborat.

—— Report on interviews with navigators of a photo reconnaissance squadron and a weather reconnaissance squadron assigned to Arctic duty. 21p. 27cm. Dayton, 1948.

Forms No. MCREXD–694–15 B, U. S. Air Force Aero M. Laborat.

Molnár, G. W., Magee, R. B., & Durrum, E. L. Observations with AGF Task Forces Frigid and Williwaw. 55 l. 29cm. Fort Knox, 1948.

Forms Proj. No. 6–64–12–02–(2) U. S. Army Med. Dep. Field Res. Laborat. Also issued as No. 1, App. A, Annual Rep. Med. Dep. Field Res. Laborat., 1948.

Pecora, J. S., & Bollerud, J. A method of preventing the freezing of fluids during Arctic field rescue work. 4 l. 27cm. Ladd Air Force Base, 1948.

Forms No. 13, Proj. U. S. Air Force Arct. Aeromed. Laborat.

United States. Armored Medical Research Laboratory. Project No. 1: Cold weather operations, report on Sub-Project No. 1–18: Study of the methods for selection of men for cold weather operations. v. p. 28cm. Fort Knox, 1944.

—— Project No. 1: Cold weather operations, final report on Sub-Project No. 1–22: Outfit, combat, M–1943, experimental test No. OQMG–140. v. p. 28cm. Fort Knox, 1943.

Arctic operations. In: School Lect. U. S. Air Force Arctic &c. Inform. Cent., N. Y., 1943, No. 2, 23–34.—**Christensen, J. M.** An analysis of the activities of the Arctic aerial navigator. Techn. Data Digest, Dayton, 1949, 14: No. 18, 12–21.—**Knoblauch, F. J.** Medical Department problems in cold weather operations. Mil. Surgeon, 1948, **102**: 283–5.—**Molnár, G. W., Magee, R. B., & Durrum, E. L.** Frigid and Williwaw. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 1, No. 12, 1.—**Observations** in Alaskan AGF operations, Frigid and Williwaw. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 6.—**Siple.** How to live in the cold. Clin. Invest. Rep. (NRC) Wash., 1943, No. 16, 14.—**Test** of operator performance with Signal Corps equipment in extreme cold. Annual Rep. Armored M. Res. Laborat., 1946, App. C. 8.

—— atomic.

See **Atomic warfare; Defense; Injury.**

—— combined.

See **Combined operation; Expeditionary forces.**

—— desert.

See **Desert warfare.**

—— guerilla.

See **Guerilla.**

—— jungle.

See **Jungle warfare.**

—— land.

See **Land warfare.**

—— mobile.

See **Mobile warfare; Offensive.**

—— motorized.

See **Motorized warfare.**

—— mountain.

See **Mountain warfare.**

—— naval.

See **Naval warfare.**

—— tank.

See **Tank warfare.**

—— Theater of operations.

See under **Theater of operations.**

—— trench.

See **Trench warfare.**

—— winter.

See **Winter warfare.**

OPERATION [surgical]

See also **Surgery; Surgical technic.**

CLARK, R. L., jr, & STONE, A. A. Technique for the recording of surgical operations. 7 l. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 479, U. S. Air Force School Aviat. M.

UNITED STATES. WAR DEPARTMENT. Army regulations No. 40–5; Medical Department: Standard terms for operations. 4p. 8°. Wash., 1922.

Frank-Kamenecky, L. Operacija khirurgićeskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 30–5.—**Weimann, P.** Zur Frage des operativen Eingriffes bei Heeresangehörigen. Berl. klin. Wschr., 1915, **52**: 874.

—— Forensic aspect.

See also **Surgery.**

Brewitt, F. R. Das Recht und die Pflicht zu operativen Eingriffen an Heerespflichtigen in Kriegszeiten. Deut. med. Wschr., 1915, **41**: 500.—**Cadenat, F. M.** Le droit de refuser l'intervention en temps de guerre. Mém. Acad. chir., Par., 1940, **66**: 68–71.—**Ferrannini, L.** Sulla obligatorietà degli atti operativi per i militari malati o feriti. Boll. Fed. naz. mil. mutil., 1917, **2**: 197–9.—**Janicot, J.** La question du refus par les militaires de traitements on opérations reconnus nécessaires; ses diverses étapes. Bull. méd., Par., 1916, **30**: 448–51.—**Kaestner, P.** Soldat und Operation im Kriege. Münch. med. Wschr., 1916, **63**: 123.—**Kirschner, M.** Zur Frage der Operationsduldungspflicht der Wehrmachtsangehörigen. Chirurg, 1940, **12**: 373–8.—**Lieske, H.** Der Operationszwang zur Erlangung der Militärtauglichkeit. Fortsch. Med., 1915–16, **33**: 305.—**Riedel, H.** Wann muss sich der Soldat operieren lassen? Med. Klin., Berl., 1939, **35**: 1584.—**Rühe, E.** Duldungspflicht. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 313–9.—**Teneff, S.** Sul diritto di rifiutare l'intervento chirurgico in guerra. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940. 571–3.—**Wagner, M.** Die Rechtspflicht zur Duldung ärztlicher Operationen nach neuem Wehrrecht. Deut. Militärarzt, 1936, **1**: 120–4.—**War** risk insurance; permanency of total disability when indicated surgical treatment is refused. J. Am. M. Ass., 1941, **116**: 2215.

—— Indication.

Baumann, E. Operationsindikationen des Militärarztes und ihre Bedeutung für Armee und Militärversicherung. Praxis, Bern, 1940, **29**: 463–5.—**Brandt.** Verschiedenheiten der Anzeige zum chirurgischen Eingriff bei zwei- und mehrjähriger Dienstzeit. Veröff. Heer. San,, 1937, H. 104, 176–96.—**Early** operation in military surgery. Brit. M. J., 1915, **1**: 1089.—**Folly.** Les opérations chirurgicales dites de complaisance. Bull. Soc. méd. mil. fr., 1925, **19**: 166–71.—**Makel, H. P.** The whys and hows. Mil. Surgeon, 1936, **79**: 129–33.

—— Postoperative treatment.

See **Postoperative care; Surgical technic.**

—— Preparation.

See under **Surgical technic,** Preparation.

OPERATIONAL fatigue.

See **Aviator** subheadings (Fatigue; Psychophysical test) also **Fatigue.**

OPERATION Everest.

See also under **Altitude,** Research; **Anoxia,** Tolerance.

UNITED STATES. NAVAL SCHOOL OF AVIATION MEDICINE AND RESEARCH. Operation Everest. 47p. 23cm. Pensacola, 1946.

OPHTHALMIA.

See also **Eye,** Disease; **Gonorrhea,** Complications: Eye; **Sympathetic ophthalmia.**

Connelly, T. P., & Miller, C. K. Actinic ray ophthalmia; a method of treatment. U. S. Nav. M. Bull., 1944, **42**: 448.—**Cvetojević, M.** Epidemija kataralne oftalmije u Makedoniji 1946–47 i istočnoj Srbiji 1948 godine. Voj. san. pregl., Beogr., 1949, **6**: 429.—**Dumitrescu, C., & Vascoboinic, H.** Asupra unui caz de oftalmie metastatică consecutivă unui flegmon al gambei. Rev. san. mil., Bucur., 1937, **36**: 61–3, illust.—**Franklin, H. C.** A bacteriological comparison of penicillin and silver nitrate for prophylaxis against ophthalmia neonatorum. Mil. Surgeon, 1948, **102**: 179–85.—**Huzidaira, Y.** Arc-tō ni yoru denki-sei gan-en no zikken byōrei [An experimental case of electric ophthalmia caused by arc lights] Gun idan zassi, 1927, 1189–204.—**Lishkutin, J., & Matl, O.** [Two cases of ophthalmia nodosa] Voj. zdrav. listy, 1938, **14**: 106–14.—**Modica, R., & Bellecci, P.** Aspetto batteriologico delle panoftalmiti in Libia. Ann. med. nav., Roma, 1940, **46**: 491–5.—**Weskamp, R. L.** Las sulfamidas en el tratamiento de la conjuntivitis blenorrágica. Rev. san. mil., B. Air., 1941, **40**: 11–20.—**Woodward, L. K.,** jr. Electric ophthalmia. U. S. Nav. M. Bull., 1946, **46**: 247.

—— in animals.

See also **Horse,** Disease.

Dimock, W. W., & Trum, B. F. Periodic ophthalmia. Army Vet. Bull., 1942, **36**: 199–209.—**Equine** periodic ophthalmia. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 180.—**Jones, T. C.** The relation of brucellosis to periodic ophthalmia in Equidae. Army Vet. Bull., 1942, **36**: 259–63. —— & **Maurer, F. D.** Heredity in periodic ophthalmia. Ibid., 1943. **37**: 159–63.—**Silva, B. B. da, & Cortez, E.** Fluxão periódica. Rev. mil. remonta vet., Rio, 1945, **7**: No. 49, 13–31.

OPHTHALMOLOGIST.

See also **Ophthalmology.**

Aleksandrov, A. [The surgeon-ophthalmologist at the front hospitals] Med. rabot., 1944, **7**: No. 16, 2.—**Ask, F.** Om arméns behov an oftalmologer och ett förslag för tillgodoseende härav. Tskr. mil. hälsov., 1916, **41**: 169–77.—**Brewerton, E. W.** Ophthalmic quacks. S. Barth. Hosp. J. War Bull., Lond., 1940–41, **2**: 38–40.—**Cordes, F. C.** Graduate study during the war. Am. J. Ophth., 1943, **26**: 319–21.—**Koch, F. L. P.** Medical ophthalmologic aids in civilian and military general practice. Med. Clin. N. America, 1944, **28**: 742–51.—**Pritikin, R. I.** Sadu Holland Sahib. Mil. Surgeon, 1939, **85**: 162–5.—**Sal Lences, J.** Los grandes oculistas de Europa (impresiones de un viaje) Rev. san. mil., Madr., 1922, **12**: 95; 125.—**Vishnevsky, N.** Oftalmolog. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 262.—**Waddy, R. G.** An ophthalmologist in the Great War. Med. J. Australia, 1941, **1**: 187.

OPHTHALMOLOGY.

See also **Altitude,** Eye and vision; **Aviator,** Eye; **Eye; Eyeball; Eye, ear, nose and throat; Eyeglass; Eye injury; Gas poisoning,** Pathology: Eye; **Medical examination,** Eye; **Ophthalmologist; Optic fascicle; Vision.**

Boyden, R. C. Ophthalmological facts, fads, and fallacies. U. S. Nav. M. Bull., 1940, **38**: 366–73.—**Davis, W. T.** Military ophthalmology. Am. J. Ophth., 1944, **27**: 26–44.—**Duke-Elder, S.** Cacoethes scribendi. Brit. J. Ophth., 1941, **25**: 550.—**Gonçalves, P.** A ophthalmologia do medico militar. Rev. med. mil., Rio, 1935, **24**: 150; 415.—**Juler, F.** Military ophthalmology. J. R. Army M. Corps, 1940, **75**: 281–8.—**Mildenberger.** Augenärztlicher Beitrag. In: Leitfaden der Feldchirurgie im Bewegungskrieg (Orator, V.) Lpz., 1942, 89–93.—**Pesme.** Ophthalmologie et art militaire. Sem. hôp., Par., 1949, **25**: 2455–9.—**Swanson, C. A.** Military ophthalmology. Med. Clin. N. America, 1941, **25**: 1637–52.—**Thorne, F. H.** Military aspects of ophthalmology. Am. J. Ophth., 1945, **28**: 203.—**Zettl, W.** Beiträge zur Kriegsaugenheilkunde. Klin. Mbl. Augenh., 1944–45, **110**: 268–71.

—— Congress and conference.

UNITED STATES. MILITARY OPHTHALMOLOGICAL MEETING [1945] Proceedings. 173p. 26½cm. Clevel., 1945.

Antón y Pérez, M. Impresiones del Congreso anual de oculistas norteamericanos, 1948. Bol. Hosp. milit., Habana, 1948, **1**: 52–8.—**Congresso** (4.) brasileiro de oftalmologia. Arq. brasil. med. nav., 1941, **2**: 519.—**Martín Renedo, J.** Catorce Congreso internacional de oftalmologia. Rev. san. mil., Madr., 1933, **23**: 129–32.

—— Experiences.

Barsan, I. Date şi observaţiuni asupra boalelor de ochi pe anii 1924–36. Rev. san. mil., Bucur., 1937, **36**: 267–70.—**Hartleib, R.** Drei Jahre Feldchirurgie. Klin. Mbl. Augenh., 1943, **109**: 803–10.—**Kershner, W. E.** Clinical observations in the ophthalmic service at Camp Sevier, S. C. Am. J. Ophth., 1919, ser. 3, **2**: 389–94.—**Neubert, F. R.** Ophthalmic experiences in the Royal Air Force. Brit. J. Ophth., 1946, **30**: 601–6.—**Parker, W. R.** Observations of an administrative officer. Am. J. Ophth., 1919, 3. ser., **2**: 685.—**Theodore, F. H.** Experiences in the practice of ophthalmology in the Army. Ibid., 1947, **30**: 74.—**Ziemssen.** Augenärztliche Tätigkeit bei einer Armee im jetzigen Kriege. Klin. Mbl. Augenh., 1916, **57**: 174.

—— field.

Dansey-Browning, G. C. The value of ophthalmic treatment in the field. Brit. J. Ophth., 1944, **28:** 87–97. Also J. R Army M. Corps, 1944, **83:** 123–30. ——— Ophthalmic treatment in the field, 1943. Brit. J. Ophth., 1946, **30:** 26–35.—**Gilbert, W.** Ueber Gesundheitspflege des Auges im Felde. Med. Klin., Berl., 1940, **36:** 763.—**Jousset, X.** Ophthalmology at the front. Med. Press & Circ., Lond., 1915, n. ser., **99:** 394.—**Pritikin, R. I.** Ophthalmology under field conditions. Illinois M. J., 1941, **80:** 373–6.—**Tenton, A. R.** [Management of eye wounds at the front] Deut. Militärarzt, 1940, **5:** 444 (Abstr.)

—— forensic.

See also **Blind; Eye injury.**

PANDOLFI, E. L'oculistica nella medicina legale militare. 233p. 22cm. Roma, 1942.

Meisner, W. WDB.-Fragen in der Augenheilkunde. Münch. med. Wschr., 1941, **88:** 1001–3.—**Savvaitov, A. S.** Glaznaja ekspertiza v evakuacionnykh hospitaljakh. San. sluzhba, Sverdlovsk, 1946, No. 6, 22–6.

—— History.

WIENER, M. Ophthalmology in the war years. 2v. 1166p.; 977p. 24½cm. Chic., 1946–48.

Dansey-Browning, G. C. Military ophthalmology, 1898–1948. J. R. Army M. Corps, 1948, **90:** 313–20.—**Hessberg, R. J.** Review of contributions of World War II to ophthalmology. Ophthalmologica, Basel, 1946, **112:** 292–302. Also Am. J. Ophth., 1947, **30:** 75.—**Patterson, R. U.** Progress in ophthalmology in the military service since civil war times. Tr. Am. Acad. Ophth. Otolar., 1933, **38:** 28–42.

—— Hospitals and institutes.

LÉVIEFF, M. *Considérations cliniques sur le Centre militaire ophtalmologique de Montpellier (août 1914–juin 1915) 34p. 8° Montpellier, 1915.

Belz. Ouverture d'un sanatorium oculaire militaire à Briançon. Bull. soc. opht. France, 1949, 403.—**Berardi, M.** Metodi di cura e processi operativi in uso nel reparto oftalmico dell'Ospedale militare di Firenze. Gior. med. mil., 1940, **88:** 669–78.—**Berkove, A. B.** Ophthalmologic statistics and experiences in a 1500 bed cantonment type hospital. Mil. Surgeon, 1944, **95:** 466–9.—**Buzovoj, V. P.** Opyt lečebnoj raboty glaznogo otdeleniia N-skogo evakohospitalja. San. sluzhba, Sverdlovsk, 1946, No. 6, 42–5.—**Grönvall, H.** Militär ögonsjukvård under beredskapsåren 1940–45 vid Centrallasarettet i Kristianstad. Tskr. mil. hälsov., 1948, **73:** 182–201.—**Khajutin, S. M.** Analiz raboty glaznykh otdelenij evakohospitalja. San. sluzhba, Sverdlovsk, 1946, No. 6, 37–41.—**Kozmin, V. I.** Analiz raboty glaznogo otdelenija evakohospitalja. Ibid., 46–9.—**Ormond, W.** Statistical report of the ophthalmic work carried out at the 2nd London General Hospital, St. Mark's College, Chelsea, S. W., from September, 1914, to the end of the year 1917. J. R. Army M. Corps, 1919, **32:** 235; 308.—**Ramsay, A. M., & McIlroy, J. H.** Report on the work of the Ophthalmic Department of 3rd Scottish General Hospital, Glasgow, during the period from 27th May, 1915, to 1st February, 1919. Glasgow M. J., 1920, **93:** 145–59.—**Silva Rebello, A. da.** A Clínica oftalmológica do Hospital central da marinha em 1946. Arq. brasil. med. nav., 1947, **8:** 1155–60, 3 ch., 7 pl.—**Stern, H. J.** Report on 2,500 cases seen in the eye department of a general hospital. J. R. Army M. Corps, 1944, **82:** 293–6.—**Young, M. N.** Ophthalmic practice with an Army hospital in North African and southern France ports. Mil. Surgeon, 1947, **101:** 211–8.

—— Instruments and apparatus.

See also subheading (Technic) also **Ophthalmoscopy; Optometry;** also such terms as **Nightvision tester,** etc.

REEH, M. J., STIMMEL, E. W., & HEAGAN, F. V. Motor driven ophthalmotrope. 6p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 466, U. S. Air Force School Aviat. M.

Appelbaum, A. The simplest instrument for removal of foreign bodies in the cornea. Mil. Surgeon, 1943, **93:** 479–81.—**Dieter.** Ueber Kriegsaugenheilkunde mit Vorweisung neuer augenärztlicher Apparate und Instrumente. Klin. Mbl. Augenh., 1944, **110:** 414–6.—**Hildreth, H. R.** Instruments and apparatus. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1: 491–7.—**Huggert, A.** En jämförande undersökning med Gullstrand-Carles fotoptometer och Combergs nyktometer. Tskr. mil. hälsov., 1945, **70:** 258–64.—**Simpson, R. K.** Cabinet for ophthalmic instruments and appliances. Army M. Bull., 1937, No. 42, 56–61.—**Taylor, W. O. G.** On the improvisation of equipment for an eye department. J. R. Army M. Corps, 1944, **83:** 131–9.—**Thorne, F. H.** Enucleation snare. Mil. Surgeon, 1932, **70:** 379.—**Vishnevsky, N.** Oftalmologičeskij instrumentarij. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 267–76, illust.

—— Manual and atlas.

PILLAT, A. Kurze Kriegsaugenheilkunde. 207p. 24cm. Wien, 1941. ALSO 2. Aufl. 235p. 23cm. Wien, 1944.

SZILY, A. Atlas der Kriegsaugenheilkunde samt begleitendem Text. 1–2. Lfg. 2v. 354p. 31cm. Stuttg., 1916–17.

UNITED STATES. AIR FORCE. AAF Manual 25–0–6: Management of common eye disorders. 45p. 26½cm. Wash., 1945 [?]

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. ARMY MEDICAL MUSEUM. Atlas of ophthalmic pathology. 3. ed. 136 l. 29½cm. Omaha, 1942.

Salzer, F. Auge. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 158–78, illust.

—— naval.

Amos, E. A. Ophthalmology in the Navy. Arch. Ophth. Chic., 1942, **27:** 828.

—— Organization of service.

See also under caption (—by countries)

Baevskij, J. L. Kratkij istoričeskij obzor organizacii pomošči i lečenija ognestrelnykh ranenij i povreždenij glaz na vojne. In: Opyt sovet. med. Velik. otеč. vojne, Moskva, 1950, **7:** 13–22.—**Dwiggins, H. G.** Ophthalmology at Tuskegee Army Air Field; 2-year review. J. Nat. M. Ass., 1945, **37:** 63–5.—**Irvine-Fortescue, A., Sorsby, A.** [et al.] Ophthalmic services to the civilian population in national emergency. Lancet, Lond., 1939, **2:** 427.—**Jaeckle, C. E.** Ophthalmic services in a changing world. Am. J. Optometr., 1943, **20:** 17–30.—**Livingston, P. C.** The Royal Air Force Mobile Eye Surgery. J. R. Inst. Pub. Health, 1944, **7:** 319–22.—**Murzin, A. N.** K voprosu ob organizacii oftalmologičeskoj pomošči v evakohospitaljakh. San. sluzhba, Sverdlovsk, 1946, No. 6, 18–21.—**Poljak, G. D.** Organizacija okulističeskoj pomošči v Krasnoj Armii i lečenie poraženij glaz na etapakh evakuacii. Ibid., 8–17.—**Rycroft, B. W.** Ophthalmology in the B. N. A. & C. M. forces. Brit. J. Ophth., 1945, **29:** 594–607.—**Savvaitov, A. S.** O podgotovke oftalmologičeskikh kadrov. Vest. oft., 1945, **24:** No. 3, 3–5.—**Vishnevsky, N.** Oftalmologičeskaja pomošch. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 263–7.

—— surgical.

See also **Eye; Eyeball; Eye injury; Eyelid; Orbit; Retina;** and other related headings.

ALVIS, B. Y. Surgery of the eye. p.879–948. 25cm. Chic., 1946.

In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1:

——— & ALVIS, E. B. Surgery of the eye [2. ser.] p.736–803. 25cm. Chic., 1948.

Ibid., 2:

Arruga, H. El progreso del material quirúrgico en oftalmología. Rev. españ. med. cir. guerra, 1943, No. 54, 121–31.—**Atkinson, W. S.** Anestesia local em oftalmologia (transl.) Arq. brasil. med. nav., 1947, **8:** 1161–209.—**Bozzoli, S.** Considerazioni sulla blefaroplastica. Atti Congr. europ. chir. plast. guerra (1942) 1943, 207–28.—**Bursuk, G. G.** [Plastic operations in ophthalmology] Tr. Acad. mil. méd. Kiroff, 1934, **1:** 279–84.—**Callahan, A.** Ophthalmic plastic surgery. Proc. Mil. Ophth. Meet., 1945, 123–33. ——— Surgery of war injuries of the eyelids. South. M. J., 1946, **39:** 681–9.—**Campbell, M. D.** Repair of lacerations of the lacrimal canaliculus. Air Surgeon Bull., 1944, **1:** No. 12, 18.—**Carmazza, F.** Sulla blefaroplastica. Atti Congr. europ. chir. plast. guerra (1942) 1943, 229–63.—**Cutler, N. L.** Correction of large notching defect of upper lid. Proc. Mil. Ophth. Meet., 1945, 117–9.—**Dansey-Browning, G. C.** Ophthalmic surgery in war. J. R. Army M. Corps, 1949, **93:** 212–6.—**Diacicov, M.** Operația Blaskovics în ptoză. Rev. san. mil., Bucur., 1937, **36:** 731–5, illust.—**Dor, L.** Trois questions de chirurgie oculaire de guerre. Maroc méd., 1940, **20:** 146.—**Emergency** eye surgery in forward areas. Bull. Army M. Dep., Lond., 1943, No. 23, 3–5.—**Filatov, V. P.** [Tissue grafting in ophthalmology] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 459–65. ——— [Round stem graft in ophthalmology] Ibid., 479–88. ——— **Eršković, I. G.** [et al.] Peresadka rogovicy i tkanevaja terapija pri ognestrelnykh ranenijakh i povreždenijakh glaz. In: Opyt sovet. med. Velik. otеč. vojne, Moskva, 1950, **7:** 270–302.—**Filmer, G. A.** An alternate method of eyelash transplant. Proc. Mil. Ophth. Meet., 1945, 147.—**Foster, C. B.** A new suture for use in muscle recession operations. Mil. Surgeon, 1944, **95:** 62.—**Fox, S. A.** Repair of lid margin

deformities. Proc. Mil. Ophtb. Meet., 1945, 119–21. ——— War surgery in ophthalmology. Am. J. Ophth., 1947, **30**: 72.—**Garkavi, R. A.** Khirurgičeskoe lečenie zabolevanij sleznykh putej u bojcov Krasnoi Armii. San. sluzhba, Sverdlovsk, 1946, No. 6, 106–8.—**Greear, J. N.**, jr. A review of some of the advances in opbtbalmic surgery during World War II. Med. Ann. District of Columbia, 1947, **16**: 474–7.—**Grüter, W.** Erfabrungen mit der operativen Wundstarbehandlung in der Kriegs- und Friedenspraxis nebst einer Bemerkung zum Operationszwang. Med. Welt, 1943, **17**: 141–4.—**Hartmann, E.** Eye surgery in war time. Am. J. Ophtb., 1942, **25**: 1448–57.—**Hughes, W. L.** A new metbod for rebuilding a lower lid. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 288–98.—**Imre, J.** Blepbaroplastik bei Kriegsverletzungen. Atti Congr. europ. chir. plast. guerra (1942) 1943, 183–93.—**Kalfa, S. F.** Po povodu konjunktivalnoj plastiki po Kuntu pri boevykh ranenijakb rogovoj oboločki. Vest. oft., 1945, **24**: No. 3, 28. ——— & **Erškovič, I. G.** [Treatment of war trauma of tbe eyes witb preserved tissue according to Filatov's method] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tasbkent, 1943, 466–71.—**Katznelson, A. V.** [Gunshot lesions of tbe eye-lids and surgical tactics in their treatment at troop, army and front installations] Vest. oft., 1944, **23**: No. 2, 7–10.—**Khurgina, E. A.** Plastičeskie operacii na vekakh pri voennoj travme. Ibid., 1946, **25**: No. 3, 31–4.—**Knapp, A. A.** Eye injuries witb remarks on plastic surgery. U. S. Nav. M. Bull., 1944, **42**: 651–3.—**Kolen, A. A.** Khirurgija ciliarnogo tela i ee značenie v lečenii boevykb ranenij glaz. In: Sborn. naucb. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 119–25. Also San. sluzhba, Sverdlovsk, 1946, No. 6, 104. ——— [Certain methods of plastic surgery in war wounds] Vest. oft., 1943, **22**: No. 6, 3–6. ——— Plastičeskie operacii pri boevykh ranenijakb v oblasti glaza. San. sluzhba, Sverdlovsk, 1946, No. 6, 80–2.—**Maccaferri, G.** Plastica delle palpebre inferiori e delle sopraciglia per grave ustione della faccia. Atti Congr. europ. chir. plast. guerra (1942) 1943, 279–88.—**Manna, A.** Su un nuovo metodo di ricostruzione totale della palpebra superiore. Ibid., 273–5.—**Mayer, L. L.** Surgery of the eye in veterans. Med. Times, N. Y., 1947, **75**: 211.—**Mazzi, L.** Blefaroplastiche per lesioni da traumi di guerra. Atti Congr. europ. chir. plast. guerra (1942) 1943, 195–206.—**Müller, H. K.** Primäre Behandlung von Augapfelwunden. Ber. Arbeitstag. Ost berat. Facbärzte, 1943, 3. Congr., 11–5.—**Niyazi Ismet Gözcü** [Ocular surgical affections from the view-point of military medicine and practice] Askerî sihhiye mecmuası, 1940, **69**: 1–6.—**Pages.** Remarques sur la chirurgie oculaire de guerre. Maroc méd., 1940, **20**: 17–20.—**Pokrovsky, A. I.** [Surgery of the eye in wartime] Vest. oft., 1943, **22**: No. 2, 3–6. Also Am. Rev. Soviet M., 1943–44, **1**: 265 (Abstr.)—**Rabinovich, M. G.** [Plastic operations of wartime in ophthalmology] Vest. oft., 1943, **22**: No. 3, 3–11. ——— Plastičeskie operacii posle boevykb ranenij glaza, ego pridatkov i okružajušćikh častej. San. sluzbba, Sverdlovsk, 1946, No. 6, 83–8.—**Riva, G.** Ricostruzione delle ciglia con trapianto libero di cuoio capelluto. Atti Congr. europ. cbir. plast. guerra (1942) 1943, 277.—**Rosenhauch, E.** [Contribution to case history of ocular surgery] Lek. wojsk., 1926, **7**: 23–33.—**Schenck, H. P., Silcox, L. E., & Godfrey, E. W.** Eye casualties treated on a bospital ship. U. S. Nav. M. Bull., 1944, **42**: 802–21.—**Schweinitz, G. E. de.** Blepbaroplasty and ocular prosthesis. In: Med. Dep. U. S. Army in tbe World War, Wasb., 1924, **11**: pt 2, 616. ——— Plastic repair of tbe eyelids by pedunculated skin grafts. Ibid., 616–53.—**Sherman, A. E.** Choice of procedure in ophthalmic plastic surgery. Proc. Mil. Opbtb. Meet., 1945, 121–3.—**Stallard, H. B.** War surgery of the eye. Nurs. Mirror, Lond., 1945, **81**: 257.—**Tarducci, M.** Difficoltà d'ambiente nella chirurgia del bulbo oculare in Colonia. Gior. med. mil., 1942, **90**: 125–39.—**Thorne, F. H.** Opbthalmic surgery in tbe Army. Surg. Clin. N. America, 1941, **21**: 1559–68.—**Wasserman, I. A.** [Closure of corneal injuries with a conjunctival flap, according to Filatov] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tasbkent, 1943, 489–92.—**Wiener, M.** Personal experiences in eye surgery during the World War. Am. J. Opbth., 1941, **24**: 1439.—**Zorab, E. C.** War surgery of the eye in forward areas. Brit. J. Ophth., 1945, **29**: 579–93.

—— Technic.

See also headings beginning with **Eye**; also **Orthoptics; Vision.**

Baevskij, J. L. Obšćie principy lečenija ognestrelnykh ranenij i povrcždenij glaz i ikh pridatkov. In: Opyt sovet. med. Velik. oteč. vojne, Moskva, 1950, **7**: 62–81.—**Biggam, J.** Simple eye work from the point of view of tbe non-specialist. J. R. Army M. Corps, 1931, **57**: 256; 344.—**Braunstein, H. E.** [The treatment of war traumas of the eye] Vest. oft., 1944, **23**: 13–8.—**Burch, E. P., Rubin, H. G., & Sanger, W. W.** The therapy of external diseases of the eye. Mil. Surgeon, 1942, **91**: 564–7.—**Duke-Elder.** Rehabilitation in ophtbalmic cases. In: Rehabil. War Injured (Doberty, W. B., & Runes, D. D.) N. Y., 1943, 627–30.—**Ershkovich, I. G.** K voprosu o lečenii tak nazyvaemykb beznadežnykh slučaev boevykh ranenij glaza. Vest. oft., 1945, **24**: No. 4, 19–22.—**Foraker, A. G.** Technic for removing foreign bodies from cornea. U. S. Nav. M. Bull., 1945, **44**: 1293.—**Hartmann, K.** Perforierende Augenverletzungen im Kriege; Fragen des Transportes und der Behandlung. Deut. Militärarzt, 1941, **6**: 76–80.—**Jensen, C. D. F.** Treatment of eye casualties. Bumed News Lett., Wasb., 1945, **5**: No. 8, 1–3.—**Kalbe, O.** Kriegsverletzungen des Auges und ihre Behandlung. Deut. Militärarzt, 1940, **5**: 415–8. Also Spanish transl., Rev. san. mil., B. Air., 1942, **41**: 489–93.—**Kirwan, E., O'G.** The treatment of war injuries of the eye. Ind. M. Gaz., 1942, 77: 195.—**Luftman, A. A.** Ošibki i defekty v lečenii glaznykh ranenykb na predyduščikh etapakh evakuacii. San. sluzhba, Sverdlovsk, 1946, No. 6, 31–6.—**Oppenheimer.** Improvisiertes in der Kriegsaugenheilkunde. Deut. med. Wschr., 1917, **43**: 181.—**Sanvenero Rosselli, G.** Feriti e mutilati al viso da trauma di guerra; criteri di cura e di organizzazione assistenziale. Atti Soc. romana chir., 1941, **3**: 213–20.—**Satz, L. B.** Taktika okulista v voprose elektromagnitnoj pomošći v voennoe vremja. Vest. oft., 1945, **24**: No. 4, 44–6.—**Treatment** of burns of tbe eye in wartime. J. Am. M. Ass., 1942, **120**: 635.—**Treille.** De l'ophtalmo-diagnostic dans les maladies tropicales. Caducée, Par., 1908, **8**: 47–9.—**Tyrrell, T. M.** The treatment of war injuries of tbe eye. Proc. R. Soc. M., Lond., 1940–41, **34**: Sect. opbtb., 725–32. ——— The treatment of war injuries of the eye. Optometr. Week., 1941–42, **32**: 1359.—**Williams, C. R.** Treatment of eyes. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 33–5.

—— Therapeutics.

See also **Penicillin; Sulfonamide; Therapeutics.**

Avgushevich, P. L. Oksigenoterapia pri boevykh travmakh glaza. Vest. oft., 1945, **24**: No. 4, 28–31.—**Balacioiu, G.** Transfuzia în tratamentul unor infecţii locale ale ochiului şi complicaţiile lor. Rev. san. mil., Bucur., 1937, **36**: 311–6.—**Cetner, J. A.** Practical method for application of opbtbalmic ointments. U. S. Nav. M. Bull., 1945, **45**: 767.—**Cordes, F. C.** Tberapeutics. In: Opbtbalm. in the War Years (Wiener, M.) Chic., 1948, **2**: 843–77. ——— & **Aiken, S. D.** Tberapeutics. Ibid., 1946, **1**: 994–1035.—**Gemeinhardt.** Zur Herstellungsvorschrift für alkalische Augensalbe. Veröff. Heer. San., 1937, H. 103, 39–46.—**Koldovský, K.** Ofthalmolysáty a jich užití v očním lékařství. Voj. zdrav. listy, 1949, **18**: 57–63.—**Suhaţeanu, C., Dinulescu** [et al.] Autoantivirus-terapie în dacrio-cistitele cronice supurate. Rev. san. mil., Bucur., 1935, **34**: 471–4.—**Vancea, P.** Contribuţiuni clinicbe şi experimentale la studiul antisepticilor oculari. Ibid., 1937, **36**: 718–22.

—— veterinary.

See also **Ophthalmia**—in animals.

Marcenac. L'enseignment de l'opbtbalmologie à l'Ecole d'Application de Saumur. Rev. vét. mil., Par., 1933, **17**: 349–91.—**Refik Yetkin** [Principles in disinfection of the eyes] Askerî vet. mecmuası, 1939, **16**: 137–56.

—— by countries.

Ask, F. [Proposal for the organization of the ophthalmological service in the Army during peace time] Tskr. mil. bälsov., 1918, **42**: 1–24.—**Bonhomme, F., & Agatston, H.** Belgian opbthalmology during the war. Am. J. Opbth., 1946, **29**: 674–84.—**Coverdale, H.** Opbthalmology in two N. Z. E. F.; a contribution to the history of medical services in tbe war. Tr. Ophth. Soc. N. Zealand, 1949, 3. Conf., 76–84, illust.—**Dubois-Poulsen.** Revista general de los trabajos oftalmológicos franceses durante la ocupación alemana. Arch. Soc. oft. hisp. amer., 1946, **6**: 1189–214.—**Gómez Márquez, J.** La oftalmología en el Ejército. Rev. san. mil., Madr., 1926, 3. ser., **16**: 7; 43.—**Rochat, G. F.** Medische ervaringen in Nederland tijdens de bezetting; oogbeelkunde. In: Med. ervar. in Nederland (1940–45) Groning., 1947, 409–30.—**Sal Lence.** Los conocimientos oftalmológicos aplicados al Ejército. Rev. san. mil., Madr., 1918, 3. ser., **8**: 691–4.

—— by countries: Canada.

Best, C. H., & Solandt, D. Y. Ophthalmologic research in the Roval Canadian Navy. Arcb. Ophth., Cbic., 1944, **31**: 263.—**Nicholls, J. V. V.** Ophthalmology in the R. C. A. F. Canad. M. Ass., J., 1944, **50**: 335–8.—**Ophthalmology** in the R. C. A. F. J Canad. M. Serv., 1946–47, **4**: 55–7.

—— by countries: Great Britain.

Doggart, J. H. Refraction under wartime service conditions. Tr. Opbth. Soc. U. K. (1941) 1942, **61**: 179–83.—**Duke-Elder, S.** Caring for the eyes of Britain's Army. Mil. Surgeon, 1944, **95**: 105.—**Hine, M. L.** Ophthalmology and war; six months at an emergency ophthalmic base. Tr. Ophth. Soc. U. K., 1940, **60**: 117–25.

—— by countries: Russia.

Filatov, V. Ophthalmic surgery in the Russian Army. J. Am. M. Ass., 1942, **120**: 54.—**Jayle, G. E.** Aperçus sur l'ophtalmologie soviétique depuis la guerre. Bull. Soc. fr. opbt., 1940–46, **59**: 401–5.—**Koldovský, K.** Třicet let sovětské ofthalmologie. Voj. zdrav. listy, 1948, **17**: 247–57.—**Kolen, A. A.** Soviet military opbthalmology. Lancet, Lond., 1943, **1**: 804.—**Poliak, B. L.** Rol i značenie Voenno-medicinskoj Akademii im. S. M. Kirova v razvitii otečestvennoj oftalmologii. Vest. oft., 1949, **28**: No. 3, 4–9.

—— in wartime.

HESSBERG, R. J. Problemas de la oftalmología de la guerra moderna. p.149–218. 26cm. La Habana, 1944.
Vida nueva, Habana, 1944, 54:

Andrade, C. Os serviços ophthalmologicos na guerra. Rev. med. hyg. mil., Rio, 1922, 8: 252–6.—**Davies, W. S.** Hygiene, sociology, education and history. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1: 400; 1948, 2: 310.—**Duke-Elder, S.** German ophthalmology in the war. CIOS Rep., Lond., 1945, Item 24, No. XXX–50, 3. —— Ophthalmology during the war and in the future. Tr. Am. Ophth. Soc., 1946, 44: 143–55. Also Am. J. Ophth., 1947, 30: 1073–80.—**Fox, S. A.** Ophthalmology and the war. Phi Delta Epsilon News, 1947, 38: 68–70.—**G., H. S.** The eye problem in the national defense situation. Illinois M. J., 1942, 81: 82.—**Gradle, H. S.** The eye problem in the national defense situation. Sightsav. Rev., 1942, 12: 3–10.—**Greenwood, A.** The role of the American Academy of Ophthalmology and Oto-Laryngology in the recent world war. Tr. Am. Acad. Ophth. Otolar., 1919, 24: 1–6.—**Grosz, E.** Die Augenheilkunde im Kriege. Wien. med. Wschr., 1918, 68: 1057.—**Hamilton, J. B.** The war and ophthalmology. Tr. Ophth. Soc. Australia, 1944, 4: 78–83.—**Henderson, J. W.** Overseas ophthalmology. Am. J. Ophth., 1946, 29: 551–62.—**Kuhn, H. S.** Industrial ophthalmology. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1: 438; 1948, 2: 343.—**Rugg-Gunn, A.** The demands of the services. Brit. J. Ophth., 1941, 25: 590–2.—**Vait, D.** War ophthalmology. Am. J. Ophth., 1942, 25: 218–20.—**Wilder, H. C.** Comparative ophthalmology. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1: 82; 1948, 2: 88.

OPHTHALMOPLEGIA.

See also **Eye movement.**

Curtis, F. J. Ocular palsy following anti-typhoid-tetanus inoculation. J. R. Nav. M. Serv., 1945, 31: 180.—**Hagimoto, H.** Gaisyō-sei gankin-mahi no syō kenkyū [Study of traumatic paralysis of the eye-muscles] Gun idan zassi, 1930, 57–62.—**Harris, R. L.** Chronic progressive ophthalmoplegia externa; von Graefe's disease. Mil. Surgeon, 1950, 106: 181–3.—**Mallol, F.** Paralisis oculares extrínsecas: diagnóstico. Rev. san. mil., Madr., 1928, 3. ser., 18: 87.—**Rogers, L.** A curious reflex movement of the upper eyelid in oculomotor palsy; outward deviation of the sound eye producing elevation of the paralysed upper lid in ophthalmoplegia due to intracranial aneurysm. J. R. Nav. M. Serv., 1946, 32: 270–2.—**Vianna, L.** Estudo clínico das síndromes oftalmoplégicas. Rev. med. mil., Rio, 1943, 32: 73–82.

OPHTHALMOPROSTHESIS.

See **Eye,** artificial.

OPHTHALMOSCOPY.

See also **Ophthalmology,** Instruments.

Arcadipane, A. Campi oftalmoscopici; punti, linee e campi schiascopici. Ann. med. nav., Roma, 1936, 42: pt 1, 99–115.—**Cane, B. S.** Ophthalmoscopic diagnosis. Med. Bull. Veterans Admin., 1935–36, 12: 55.—**Greenwood, A.** Ophthalmoscopic work in a British base hospital. Ophthalmoscope, Lond., 1916, 14: 409–11.—**Tjumjancev, N. F.** K tekhnike oftalmoskopirovanija. Voen. med. J., S. Peterb., 1913, 238: Med. spec. pt, 621.

OPIUM.

See also under names of its alkaloids as **Morphine,** etc.

Leulier, A. L. Sur la constitution chimique des alcaloïdes de l'opium se rattachant au phénanthrène. Rev. Serv. san. mil., Par., 1938, 108: 911–26.—**Owens, W. D.** A case of apoplexy simulating opium poisoning. U. S. Nav. M. Bull., 1907, 1: 98.—**R.** Krieg im Krieg: der Kampf gegen das Opium, vernichteter Rauschgifthandel, Opiumfeldzug in Aegypten. Schweiz. Apoth. Ztg, 1940, 78: 571.—**Smith, E. F.** The story of opium. J. R. Army M. Corps, 1930, 54: 280–5.—**Soubigou.** La cachexie des opiomanes. Arch. méd. pharm. nav., 1934, 124: 304–39.—**Todorov, O. P.** K lečeniju ostrogo otravlenija opiem. Voen. med. J., S. Peterb., 1909, 224: Med. spec. pt, 229–31.

OPSONIC index.

See under **Immunology; Serology.**

OPTICAL equipment.

See **Equipment,** optical.

OPTICAL instrument.

See also **Equipment; Ophthalmology,** Instruments; **Optics;** also names of optical instruments.

HULL, W. E. Optical recording instruments. 25p. 26½cm. Dayton, 1947.
Forms No. TSEAA–696–107A, Memo. Rep. U. S. Air Force Aero M. Laborat.

Ballard, S. S. Optical problems facing the Navy. J. Optic. Soc. America, 1942, 32: 123–8.—**Chenakal, V. L.** [The problem of military optical instruments in the work of Russian opticians of the XVIII. century] Priroda, 1944, 33: 83–95.—**Clavijo, T.** Projectos de aparatos de óptica. Ejército, Madr., 1941, No. 23, 70–3.—**Forchheimer, L. L.** Lens marker. Mil. Surgeon, 1946, 98: 501–3.

OPTICAL service and supply.

See also **Eyeglass; Medical supply; Supply; Vision,** Refraction.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–189: Procurement, issuance, and repair of optical supplies. 7p. 26½cm. Wash., 1949.

Jehle, J. Optical service in the European Command in war and occupation. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 4: 28–33.—**Ploman, K. G.** [Activity of the Optical Department of the Royal Army Administration for the care of the sick for the year of 1932] Tskr. mil. hälsov., 1933, 58: 188–92. ——— [Activity of the Optical Department of the Royal Army Administration for the care of the sick for the first 10 year period 1/7, 1922–31/12–1932] Ibid., 193–7. ——— [Work with the Optical Department of the Royal Military Administration for the care of the sick in 1939] Ibid., 1940, 65: 65–8.—**Strömberg, E.** Verksamheten vid Kungl. Arméförvaltningens sjukvårdsstyrelses glasögondepå under år 1943 [tab.] Ibid., 1945, 70: 36. ——— Verksamheten vid försvarets sjukvårdsförvaltnings glasögondepå under år 1944 [tab.] Ibid., 292.—**Supplying** the Army's optical needs. Optic. J., N. Y., 1942, 79: No. 4, 29.—**Tweedie, A. H.** Development of refractive and optical work in the Royal Canadian Air Force. Am. J. Optometr., 1945, 22: 112–20.

OPTICAL unit.

See also **Eyeglass; Optical service; Optometry; Vision,** Refraction.

Cowen, J. P. Optical service units of the Navy. War Med., Chic., 1945, 8: 18–20.—**Greenwood, A.** Optical units, A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 725–8.—**Johnson, J. B.,** jr, & **Wilson, G. H.** Importance of Army's optical repair program. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surg. Gen. Office) Wash., 1946, 444. ——— Truck, 2 1/2 ton, 6 x 6, optical repair unit. Ibid., 444–85. ——— The original mobile optical repair unit. Ibid., 446. ——— Text of letter containing instructions governing Captain Mangold's testing of pilot model truck, 2 1/2-ton, 6 x 6, optical repair unit. Ibid., 676–9. ——— Copy of Captain Mangold's report on operational testing of truck, 2 1/2-ton, 6 x 6, optical repair unit. Ibid., 680–2.—**Mobile** (The) optical unit. Optic. J., N. Y., 1942, 79: No. 10, 21.—**Optical** repair units. Bumed News Lett., Wash., 1944, 3: No. 12, 18.—**Optical** Repair Units, Medical Department, U. S. Navy. Ibid., 1943, 2: No. 3, 17–20.—**Wells, T.** Mobile optical shops for the A. E. F. Hygeia, Chic., 1942, 20: 756–8.

OPTIC atrophy.

See **Optic fascicle,** Atrophy.

OPTIC fascicle.

See also **Blind; Retina; Vision.**

Filippov, N. A. Sluchaj kolobom oboikh zritelnykh nervov. Voen. med. J., S. Peterb., 1907, 219: Med. spec. pt, 471–3.—**Philps, S.** On examining the optic disc. S. Barth. Hosp. J. War Ed., Lond., 1940–41, 2: 105–7.—**Theodore, F. H.,** & **Bonser, W. H.** Congenital arterial aneurysm in the optic papilla. Air Surgeon Bull., 1944, 1: No. 12, 19.

—— Atrophy.

Carey, R. Optic atrophy complicating neurosyphilis and its treatment. Med. Bull. Veterans Admin., 1935–36, 12: 308.—**Carra, G.** Atrofia ottica bilaterale consecutiva ad allarme aereo. Gior. med. mil., 1948, 95: 517–9.—**Fuat, M.** [Two cases of atrophy of the optic nerve treated with pyrogen] Askerî sıhhiye mecmuası, 1934, 63: 89–92.—**Miyabara, K.** Tō-zyō zugai ni okeru sisinkei-isyuku ni rei [Two cases of atrophy of the optic nerve in tower skull] Kaigun gun-ikai zassi, 1935, 24: 221–3.—**Muzaffer Sander** [Case of tabetic optic atrophy treated by Entlastungtherapie] Askerî sıhhiye mecmuası, 1940, 69: 28–32.—**Tartakoff, S.,** & **Dalton, S. J.** Leber's disease (hereditary optic atrophy) report of three cases. Med. Bull Veterans Admin., 1936–37, 13: 167–9.

—— Inflammation.

Barile, F. Nevrite ottica e nevrite dell'oculomotore comune da intossicazione gonococcica. Gior. med. mil., 1908, **56**: 275–84.—**Fabregues, F.** Neuroopticomielitis; enfermedad de Devic. Rev. san. mil. argent., 1947, **46**: 233–42.—**Nicholson, C. B.** A case of optic neuritis caused by sphenoidal sinusitis. J. R. Nav. M. Serv., 1937, **23**: 77.—**Northington, P., & Rouen, R. L.** Optic neuritis and sinusitis. U. S. Nav. M. Bull., 1949, **49**: 101–3.—**Optic** neuritis. Statist. Navy M., 1949, **5**: No. 4, 4–6.—**Panagia, A.** Un caso di neurite ottica post-influenziale con cecità temporanea. Gior. med. mil., 1934, **82**: 918–26.—**Suo, K.** On opticus neuritis and atrofies in soldiers. Acta ophth., Kbh., 1945, **23**: 392.—**Spero, L. P.** Optic neuritis and papilloedema; a study of seven recent cases. J. R. Nav. M. Serv., 1935, **21**: 231–8.—**Watson, B.** A case of sudden blindness in a young adult. Ibid., 1944, **30**: 252.

—— Injury.

See also **Eye injury.**

Arima, K. Gaisyō-sei sisinkei syōmō-syō no iti rei [Ein Fall von traumatischer Sehnervenatrophie] Gun idan zassi, 1913, 612–8.—**Greenwood, A.** Injuries and diseases; optic nerve. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 686.—**Matuzaki, Y.** Heigyō narabi-ni guntō ni kiin-seru sisinkei-sonsyō no san rei ni tuite [Three cases of optic nerve injury caused by military service in barracks and at the front] Gun idan zassi, 1933, 663–92, illust.

—— Papilledema.

Cecha, A. H. Choked disk; its importance as an aid in diagnosis; with report of two cases. U. S. Nav. M. Bull., 1929, **27**: 125–9.—**Spalluto, A.** Papilla da stasi unilaterale da sifilide ignorata. Ann. med. nav., Roma, 1937, **43**: pt 1, 136–46, 2 pl.—**Tokuda, T.** Ryō-gan sisinkei-nyūtō garasu-ibo no iti rei [Ein Fall von Drusenbildung der Sehnervenpapillen] Kaigun gun-ikai zassi, 1938, **27**: 996–8, pl.

—— Retrobulbar neuritis.

See also **Prisoner of war,** Disease.

Scheffler, W. *Kriegserfahrungen aud dem Gebiete der retrobulbären Neuritis. 23p. 8° Rostock, 1919.

De Ocampo, G., Yamboa, C. V. [et al.] Epidemic retrobulbar neuritis in the Philippines during the Japanese occupation. Am. J. Ophth., 1947, **30**: 698–704.—**Dinser, F.** Beobachtungen von Neuritis retrobulbaris (Neuritis axialis [Willbrand und Sänger]) bei Kriegsteilnehmern. Klin. Mbl. Augenh., 1919, **63**: 701–18.—**Querol, H. E. L.** Acerca de un caso de neuritis optica retrobulbar rinogena, N. R. R.; curada con tratamiento médico nasal. Rev. san. mil., B. Air., 1938, **37**: 509–14.—**Saitō, T.** Bi-sei kyū-go sisinkei-en no iti syōrei ni tuite [Ueber einen Fall von Neuritis retrobulbaris nasalis] Gun idan zassi, 1932, 523–8.

OPTICS.

See also **Blackout,** Optical problems; **Optical instrument; Optical service and supply; Optical unit; Optometry.**

Graff, T. Kriegsmassnahmen in der ophthalmologischen Optik. Klin. Mbl. Augenh., 1942, **108**: 745–8.—**H., F.** The room of spectacles at Geneva. Optic. J., N. Y., 1944, **81**: No. 2, 29.—**Ogle, K. N.** Physiologic optics. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1948, **2**: 569–611.

OPTOMETRIST.

See also **Optometry.**

United States. Veterans Administration. Technical bulletin TB 10A–29: Optometrist and optometrist aides. 2p. 27cm. Wash., 1947.

Adams, E. Draft status of optometrists. Optometr. Week., 1943–44, **34**: 1241.—**Army** uses optometrists. Ibid., 1941–42, **32**: 1468.—**Gibson, A. S.** Georgia convention and mobilization meeting. Ibid., 1385.—**Goriup, O. F.** The optometrist in the Army Medical Department. Optic. J., N. Y., 1947, **84**: No. 21, 40–4. ——— Role of the optometrist in Army Medical Department. Optometr. Week., 1947, **38**: 1645–8.—**Kintner, G. F.** Indiana plan for assisting returning servicemen. Ibid., 1944–45, **35**: 573.—**Koch, C. C.** Academy assignments during a period of emergency. Am. J. Optometr., 1942, **19**: 119. ——— A military-period practice merger plan to assist the optometrist while in service. Ibid., 120–3.—**Mobilization** results. Optometr. Week., 1941–42, **32**: 1388.—**Parnum, I.** British optometrists establish Joint War Emergency Committee. Am. J. Optometr., 1942, **19**: 82–4.—**Vodnoy, B. E.** The experiences of an optometrist as a draftee in the U. S. Army. Optometr. Week., 1941–42, **32**: 1271.—**Word** for the non-refracting optometrist in the Army. Optic. J., N. Y., 1944, **81**: 23.

—— Commissioned military service.

United States. Congress. House of Representatives. Committee on Military Affairs. Optometry Corps; hearings before the Committee on Military Affairs, House of Representatives, Seventy-ninth Congress, first session on H. R. 1699, a bill to establish an Optometry Corps in the Medical Department of the United States Army, June 28, 29, July 3, 6, and 9, 1945. 123p. 23cm. Wash., 1945.

Army ratings for optometrists according to revised tables of organization. Optic. J., N. Y., 1943, **80**: No. 19, 30.—**Coops, R. F.** Commissioned optometrists H–V (S) U. S. N. R., on active duty in the U. S. Navy. Am. J. Optometr., 1944, **21**: 257–74.—**Elliott, D. O.** The question of Army recognition. Optic. J., N. Y., 1943, **80**: 21. ——— **Lemontree, M. E., & Adams, E. C.** Army recognition through unity. Ibid., 1942. **79**: No. 22, 29.—**Flatten, A. V.** Action started to commission optometrists. Am. J. Optometr., 1944, **21**: 116.—**Friedberg, E. S.** Optometric progress in Army Medical Service Corps questioned. Optic. J., N. Y., 1948, **85**: No. 4, 50.—**Koch, C. C.** Action now required on Army discrimination against optometrists. Am. J. Optometr., 1943, **20**: 251–5. ——— An optometric Army corps. Ibid., 372–82. ——— A question of rank for optometrists in the U. S. Army. Ibid., 443–5.—**Locke, J. D.** A standard needed for U. S. Army ocular refractions. Ibid., 1944, **21**: 94–6.—**Miller, M.** Commissions through congressional legislation; a discussion of Dr. Adams' report. Optic. J., N. Y., 1944, **81**: No. 9, 22.—**Optometry** in the Medical Corps. J. Am. Optometr. Ass., 1948–49, **20**: 783–5.—**Pine, H. E.** Jim Crow laws and the optometrist. Optic. J., N. Y., 1942, **79**: No. 22, 25–8.—**Problem** (The) of Army recognition. Ibid., No. 18, 36.—**Question** (The) of Army recognition. Ibid., 1943, **80**: No. 21, 28.—**Topaz, M.** H. R. 1699, its chances. Optometr. Week., 1945–46, **36**: 207–9.—**Vail, D.** Bill to establish an optometry corps in the Medical Department of the U. S. Army. Am. J. Ophth., 1945, **28**: 1271–4.—**With** retinoscope and floor-mop. Optic. J., N. Y., 1943, **80**: No. 19, 28.

OPTOMETRY.

See also **Eyeglass; Vision.**

American Optometric Association. Manual of ocular tests; a compilation and compendium of ocular tests in use by various service branches of the United States of America. 2. ed. 84p. 25cm. Minneap., 1948.

Kintner, G. F. A defense plan for optometry. Optometr. Week., 1941–42, **32**: 1228; passim.—**Lawrie, J. P.** Eye aids for Britain's armed services. Optic. J., N. Y., 1943, **80**: No. 16, 23.—**McDonald, C. J.** One phase of eye work in the Navy. Optometr. Week., 1944–45, **35**: 347; 373.—**Service** to nation theme of Indiana convention. Ibid., 1941–42, **32**: 1398.—**Shepard, C. F.** Optometry in national defense. Ibid., 1411. ——— Vision for victory. Ibid., 1467.—**Sterling, S.** Soldiers must see. Educ. Focus, Rochester, 1943, **14**: No. 2, 44–7.—**Topaz, O.** Optometry's New role in service. Optometr. Week., 1941–42, **32**: 653–5.

OPTOMETRY Corps.

See under **Optometrist,** Commissioned military service.

ORAN.

See under **World War II.**

ORBIT.

See also **Eye,** Disease; **Eye injury,** Foreign body, intraocular; **Head injury; Nasal sinus,** Injury.

Azmi Batmaz. Hücaç flegmonunu müteakip nâdir görülen bir göz dibi vakası [Un cas de fundus rare à la suite d'un phlegmon orbitaire] Askeri sıhhiye mecmuası, 1939, **68**: No. 26, 5–7. ——— [Two cases of hydatid cyst of the orbit] Ibid., No. 28, 10–20.—**Benedict, W. L.** Orbit, eyeball and sinuses. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1**: 665; 1948, **2**: 552.—**Diacicov, M.** [Palpebro conjunctival hemangioma with lymphangioma of the eyebrow and palatine hemangioma] Rev. san. mil., Bucur., 1932, **31**: 411–4.—**Dinulescu, V., Costinescu, G., & Halunga, V.** [Two cases of orbital varicocele] Ibid., 1934, **33**: 732–7.—**Gheorghiu, I.** Consideraţiuni asupra complicaţiunilor oculo-orbitare ale infecţiunilor nazale. Ibid., 1937, **36**: 715–7.—**Hamilton, W. M.** Intraorbital abscess. J. R. Nav. M. Serv., 1946, **32**: 50.—**Harbert, F.** Malignant melanoma of the orbit; with case report. U. S. Nav. M. Bull., 1940, **38**: 378–80, pl.—**Ion, B.** Câteva tumori rare orbito-palpebrale. Rev. san. mil., Bucur., 1933, **32**: 148–53, illust.—**Karnicki, K.** [Case of osteoma of the orbit] Lek. wojsk., 1928, **11**: 253–8. ——— [Myxofibroma of the orbit] Ibid.,

1931, 18: 273–5.—**Lieux.** Une forme rare de phlegmon de l'orbite: le phlegmon de l'orbite à bacille de Pfeiffer. Bull. Soc. méd. mil. fr., 1937, 31: 476–9.—**Mainoli, M. R.** Quiste hidático de órbita; autóctono de la provincia de Salta. Rev. san. mil., B. Air., 1941, 40: 32–7.—**Muzzio, J. C.** Complicaciones orbitarias de las sinusitis. Ibid., 1946, 45: 186–206.—**Pitton, R. D., Murphey, P. J.** [et al.] The development of acrylic eye prosthesis at the National Naval Medical Center. J. Am. Dent. Ass., 1945, 32: 1227–44.—**Savelev, S. V.** [Case of echinococcus of the orbit] Voen. med. J., Petrogr., 1915, 242: Med. spec. pt, 519–22.—**Worms, G.** Cellulites orbitaires d'origine sinusienne; considérations cliniques et thérapeutiques. Bull. Soc. méd. mil. fr., 1926, 20: 267–73.—**Zingale, S.** Sindrome transitoria di cianosi regionale ed esoftalmo consecutiva ad iniezione retrobulbare di novocaina e adrenalina. Gior. med. mil., 1933, 81: 116–20.

—— Injury.

See also **Ophthalmology,** surgical.

Joachim, H. *Ueber einen Fall von Granatsplitterverletzung des Orbitaldaches, die zu indirekter subkonjunctivaler Scleralruptur führte [Heidelberg] 31p. 8° Berl., 1919.

Roulet, J. *Traitement des blessures de guerre de la région orbito-palpébrale et du globe oculaire. 77p. 24½cm. Par., 1940.

Shimkin, N. I. Огнестрельные повреждения глазницы и ее содержимого на войне. p.155–218. 26½cm. Moskva, 1916.
Vest. oft., 1916, 33:

Stoll, H. *Zystischer Tumor in der Orbita nach Granatsplitterverletzung [München] 19p. 21cm. Dachau, 1940.

Abreu Fialho, S. Tratamento dos ferimentos oculo-palpebraes de guerra. Impr. méd., Rio, 1943, 18: No. 352, 80–3.—**Baldwin, A.** Extensive injury to the orbit by shrapnel. West London M. J., 1915, 20: 106.—**Baltin, M. M.** [The mechanism of secondary changes in the optic nerve in war traumas of the orbit] Vest. oft., 1944, 23: 9–13. ——— & **Icikson, L. J.** Stereorentgenografija pri boevykh povreždenijakh glaznicy. Ibid., 1948, 27: 34.—**Case** of an unusually large bit of shell removed from the right orbit. Guy's Hosp. Gaz., Lond., 1916, 30: 377, pl.—**Engelking, E.** Ueber Kriegsverletzungen der Orbita und die Bedeutung etwaiger Beteiligung der Nachbarorgane; ein Beitrag zur Kriegsaugenheilkunde. Zbl. ges. Ophth., 1940, 45: 623.—**Greenwood, A.** Orbital injuries. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 687–92.—**Haynes, L. K.** Wounds and deformities of the orbital region. Mil. Surgeon, 1942, 91: 83–90.—**Hermann, H.** Zur Röntgenologie der Kriegsverletzungen des Auges und der Orbita. Deut. Militärarzt, 1943, 8: 384–7.—**Kyrieleis, W.** Augenhöhlenverletzungen im Kriege. Arch. Ophth., Berl., 1941–42, 144: 198–212. ——— Wounds in the orbit. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. I, pt 5, 20.—**Legouest.** Blessures de la région orbitaire par armes de guerre. Presse méd. belge, 1862–63, 15: 213–8.—**Michail, D., & Rusu, L.** [Trauma of the orbit with chorio-retinal lesion, caused by a projectile] Cluj. med., 1940, 21: 146–8.—**Oltramare, J. H.** Lésions temporo-orbitaires. In his Chir. guerre, Lausanne, 1944, 312–9.—**Paiva Gonçalves.** Recuperação do ferido de guerra portador de lesões óculo-palpebrais e órbito-oculares. Hospital, Rio, 1944, 26: 429–44.—**Riquelme, A.** Traumatismo reborde orbitario con fisura del agujero óptico. Rev. san. mil., Asunción, 1940–41, 14: 213–8.—**Salzmann, H.** Schrapnellschuss; Augenhöhle. Mitt. Verein. Aerzte Steiermark, 1925, 62: 67.—**Specht, F.** Fachärztliche Erfahrungen über Gesichtsschädelverletzungen in Krieg und Frieden. Bull. War M., Lond., 1942–43, 3: 146 (Abstr.)—**Stallard, H. B.** Wounds of the orbit. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 593–606. Also 2. ed., Balt., 1942, 2: 821–34. Also 3. ed., Edinb., 1944, 793–806.—**Sudakevich, D. I.** [Prosthetization of the sequels of war traumata of the orbit] Vest. oft., 1943, 22: 25–7.—**Terentjev, A. F.** Kusok stekla v glaznice v tečenie 14 mesjac. bez vsjakoj reakcii. Voen. med. J., S. Peterb., 1909, 226: Med. spec. pt, 317–22.—**Wolpaw, B. J.** Orbital hemorrhages following pressure on neck. U. S. Nav. M. Bull., 1946, 46: 1469–71.—**Zhuravlev, A. M.** Redkij slučaj inorodnago tela orbity. Voen. med. J., S. Peterb., 1914, 239: Med. spec. pt, 566–9.

—— Surgery. See also Ophthalmology, surgical; also Eye, artificial.

Doherty, W. B. Orbital implants. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 299–305.—**Nieder, J. R., & Campbell, J. L.,** jr. A new plastic orbital implant. Bull. U. S. Army M. Dep., 1945, No. 89, 88–90.—**Schenck, H. P.** Mucous membrane grafts from the inferior turbinate in reconstruction of the orbit. U. S. Nav. M. Bull., 1947, 47: 1014–8.—**Shiflett, E. L.** The use of orbital tracings as an aid in reconstructive surgery of the orbit. Proc. Mil. Ophth. Meet., 1945, 5–7.—**Souders, B. F.** Elevation of orbital contents with plastic plates. Ibid., 28–36.

ORIENTATION [spatial]

See also **Acceleration,** Nervous system; **Centrifugal force,** Biological effect; **Flight,** Formation.

Buel, J., & Payne, B. Psychological principles involved in aiming and directing objects in space. Q. Rcs. Rep. U. S. School Aviat. M., 1947, Oct., 34.—**Fitts, P. M.** A study of location discrimination ability. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 19, 207–17, pl.—**Orientation** in flight. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 33–5.—**Witkin, H. A.** Orientation in space. Research Rev. (U. S. Navy) 1949, Dec., 1–7, illust.

—— Disorders.

Confusional mental states. Bull. Army M. Dep., Lond., 1943, No. 24, 1–3.—**Disorientation** caused by misinterpretation of the gyrohorizon. Bumed News Lett. Aviat. Suppl., Wash., 1945, 5: 1.—**Graybiel, A.** Disorientation in pilots. Contact, Pensacola, 1945–46, 5: 412–25.—**Oliveira Bastos, F. de.** Confusão mental e guerra; estados confusionais; delírio agudo e de colapso; exaustão física e psíquica; estupor. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 61–72.

ORNITHODORUS.

See **Tick.**

ORNITHOSIS.

See also **Bacteriological warfare,** Weapons.

Blount, W. P. Psittacosis in pigeons; a disease communicable to man; an outbreak in Army pigeons. Canad. J. Comp. M., 1944, 8: 260–4. Also J. R. Army Vet. Corps, 1943–44, 15: 81–3.—**Bulacio Núñez, A. W.** Psitacosis de origen autóctono en la ciudad de Tucumán. Rev. san. mil., B. Air., 1944, 43: 1422–40.—**Psittacosis** infection in an employee of this department. Res. Program U. S. Army M. Res. Bd, 1947, July, 81.—**Psittacosis** in pigeons. Bull. Army M. Dep., Lond., 1942, No. 17, 6. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 46.

ORPHAN.

See also **War victim;** also **Dependent** subheadings.

Ohio. Soldiers' and Sailors' Orphans' Home at Xenia. Annual reports of the board of trustees and officers to the Governor of the State. **26.,** 1894–95; **27.,** 1895–96; **29.–31.,** 1897–98 to 1899–1900; **33.,** 1901–02; **34.,** 1902–03. 7v. 8° Columbus, 1895–1904.

Concentración de menores y húerfanos de guerra. Notic. Inst. internac. amer. protec. inf., Montev., 1943–44, 17: 20.—**Janisch, F.** Die Gebarungsüberschüsse der Waisenkassen als Mittel für den Heimatschutz der Waisen und Kriegerwaisen. Zschr. Kinderschutz, Wien, 1916, 8: 264–7.—**Loewy, S.** Kriegsvaterschaft von Heldenwaisen. Ibid., 1917, 9: 206–9.—**Loi** concernant l'Oeuvre nationale des orphelins, veuves et ascendants des victimes de la guerre. Bull. san. pub., Brux., 1949, 11: 29–33.—**Petoukova, O.** Les orphelins de guerre en U. R. S. S. Sem. hôp., Par., 1946, 22: 1322–8.—**Roller, M.** Die Versorgung der Hinterbliebenen der gefallenen Krieger. Zschr. Kinderschutz, Wien, 1916, 8: 181–7.

ORTHODONTICS.

See also **Dentistry; Denture; Jaw.**

Ascher, K. Ueber die Entwicklung der Kieferorthopädie während der Kriegsjahre. Deut. zahnärztl. Zschr., 1946, 1: 38–41.—**Chapman, H.** Orthodontics in England in wartime. Am. J. Orthodont., 1943, 29: 294–6.—**García del Villar, F., & García del Pino, E.** La ortopedia odontológica en la guerre. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 495–524.—**Harper, N. A.** Comments on orthodontia. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: 40–2. ——— Orthodontic properties of certain prosthetic restorations. Mil. Surgeon, 1948, 102: 112–4.—**Horner, S. J.** Occlusal reconstruction combined with a partial denture. U. S. Nav. M. Bull., 1945, 44: 1013–7.—**Inter-American** Orthodontic Congress. Mil. Surgeon, 1942, 90: 598.—**Smith, D. J.** When to start orthodontic treatment considering age and relative growth. Ibid., 1948, 102: 41–6.

ORTHOPEDICS.

See also such terms as **Jaw,** Injury; also **Massage; Orthodontics; Rehabilitation; Surgical technic,** reconstructive.

Bristow, W. R. Army orthopaedics. J. Bone Surg., 1943, 25: 524–6.—**Díaz Sánchez, I.** La ortopedia se anota otro brillante triunfo. Mem. Convenc. méd. mil. mex., 1936, 266–73.—**Frejka, B.** (Orthopedics and military service) Voj. zdrav. listy, 1934, 10: 102–5.—**Grutman.** La chirurgie de la

recrue. In: Liv. jub. pub. P. Derache, Brux., 1933, 107–16.—**Hurley, V., & Poate, H. R. G.** Notes on military orthopaedics. Med. J. Australia, 1918, 1: 61–3.—**Jones, R.** Military orthopedic surgery: its scope and aims. Boston M. & S. J., 1918–19, 179: 416–21.—**Kirk, N. T.** Military orthopedics. Surg. Clin. N. America, 1941, 21: 1685–702.—**Lacomarsino, E. H.** Orientación moderna de la ortopedía y de la traumatología. Rev. san. mil., B. Air., 1934, 33: 175–82.—**Macpherson, J. D.** Orthopedic wounds. Hawaii M. J., 1942–43, 2: 37–9.—**Military** orthopaedics. Lancet, Lond., 1943, 1: 409.—**Reynolds, Q.** New bodies for old. Science Yearb., N. Y., 1943, 33–40.—**Smart, M.** Unnecessary incapacity. Brit. M. J., 1942, 1: 506.—**Urrutia U., C.** Traumatología y ortopedia; sus relaciones con la cirugía de guerra. Rev. san. nav., Valparaiso, 1938, 8: 25–9.

—— Apparatus.

See also **Fracture, Apparatus and instruments, Operating table; Orthopedic table; Prosthetic service.**

Lange, F. Die Anpassung von orthopädischen Apparaten und Prothesen. p.149–82. 18cm. Münch., 1915.

In: Taschenb. d. Feldarzt., Münch., 1915, 3. T.

Dobrova, O. Ortopedičeskie apparaty. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 81–7.—**Dronsart, E.** Le perfectionnement des appareils orthopédiques pour la rééducation professionnelle. Ann. hyg., Par., 1916, 4. ser., 25: 39–50.—**Glenn, C. R.** A device for the orthopedist. Flight Surgeon Topics, 1938, 2: 107.—**Heymann, A.** Apparate zur Kriegsorthopädie. Münch. med. Wschr., 1915, 62: 1204.—**Lychmanov, N. G.** Izmeritelnyj pribor pri kompensacii ukoroćenija i udlinenija niźnikh konećnostej v ortopedii. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 296–302.—**Miki, T., Mizumati, S., & Itō, G.** Rinzi Tōkyō dai san rikugun byōin ni oite sikyūseru hozyoki no hensen ni tuite [Changes in the orthopedic braces supplied to the Third Military Hospital in Tokyo] Gun idan zassi, 1940, 599–628, 3 pl.—**Orthopedic** improvisations. Bull. U. S. Army M. Dep., 1945, 4: 376.—**Parnall, E.** A turntable frame. Ibid., 1946, 6: 480.—**Removable** plaster of paris back support. Ibid., 1944, No. 79, 11.—**Ritschl, A.** Aus kriegschirurgisch-orthopädischen Erfahrungen einer 6 monatigen Tätigkeit im Freiburger Garnisonlazarett und der orthopädischen Universitätsklinik nebst Anweisungen zur Anfertigung einfacher und billiger Bewegungsapparate. Zschr. orthop. Chir., 1915, 35: 466–89.—**Urist, M. R., Maxwell, E. A., & Ferguson, R.** Revolving orthopedic frames made from salvaged material. Bull. U. S. Army M. Dep., 1946, 6: 628–30.—**Wheeler, W. I. de C.** The use of Thomas' frame. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 631–4.

—— Congress.

Military orthopaedics. Brit. M. J., 1943, 1: 483.—**Rider, R. C.** Report on first annual symposium on orthopaedic appliances. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 9, 19–23.—**Shands, A. R.,** jr. An analysis of the more important orthopedic information presented at the 12 regional fracture orthopedic conferences of the Army Air Force Oct. 18 to Nov. 27, 1943. Surgery, 1944, 16: 569–616.

—— Experiences.

Kreuz, L. Kriegsorthopädische Erfahrungen und Erfolge in der Verwundetenführung. 63p. 25½cm. Stuttg., 1941.

Orr, H. W. An orthopedic surgeon's story of the Great War. 59p. 8°. Lincoln, 1921.

Allison. Orthopedic surgery. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 7: 805–14.—**Lange, F.** Kriegsorthopädische Erinnerungen. Münch. med. Wschr., 1934, 81: 1187–9.—**Oppenheimer, E. D.** Orthopedic surgeon in war. Hebrew M. J., N. Y., 1943, 1: 171–4.—**Scharff, A.** Mitteilungen über kriegschirurgische Erfahrungen auf dem Gebiete der Orthopädie und Extremitätenchirurgie. Zschr. orthop. Chir., 1915, 35: 434–49.—**Wheeler, W. I. de C.** Types of military orthopaedic cases. Tr. R. Acad. M. Ireland (1918) 1920, 36: 165–74.

—— field.

Condition of returned casualties. Bull. U. S. Army M. Dep., 1945, No. 87, 9.—**Díaz Sánchez, I.** Ventajas que puede ofrecer la ortopedia en campaña. Actas Congr. internac. med. farm. mil., 1933, 7. Congr., 2: 102–14, pl.—**Nava Rojas, R.** La ortopedia de urgencia en campaña. Mem. Convenc. méd. mil. mex., 1936, 209–11.

—— Hospitals and institutes.

London, England. Military Orthopaedic Hospital. Organization and methods. 48p. 8°. Lond., 1917.

Albee, F. H. The function of the military orthopedic hospital. N. York M. J., 1917, 106: 2–4.—**Bentzon, P. G. K., & Chievitz, O.** Erfaringer gjort paa ortopaedisk hospital i aarhus under bombeangrebet den 31. Oktober 1944. Ugeskr. laeger, 1944, 106: 1194–8.—**Brady, T. A., Hardman, E. F., & Blair, E. L.** Orthopedic problems at Station Hospital, Morris Field. South. M. & S., 1943, 105: 110.—**Central** (The) military orthopaedic hospital and school in Vienna. Brit. M. J., 1916, 2: 55–7.—**Engels, H.** Kann man in einem Kriegslazarett Orthopädie treiben? Med. Klin., Berl., 1916, 12: 849–51.—**Farioli, A.** Il Centro ortopedico e mutilati Vittorio Putti. Gior. med. mil., 1942, 90: 241–53. ——— Rendiconto statistico sull'attività clinico-chirurgica del Centro ortopedico e mutilati V. Putti nei primi nove mesi di funzionamento (27 marzo–31 dicembre 1941) Ibid., 269–77.—**Fischer, K. A.** Fort Knox Station Hospital orthopedic activities. Kentucky M. J., 1943, 41: 231–4.—**Hohmann, G.** Welche Aufgaben erwachsen den orthopädischen Kliniken im Kriege? Zschr. Orthop., 1939–40, 70: 209–12.—**Hurley, V., & Poate, H. R. G.** Notes on military orthopaedics; the Military Orthopaedic Hospital Shepherd's Bush, London. Med. J. Australia, 1918, 1: 81–4.—**Lamy, L.** L'orthopédie à l'hôpital de la Panne (Belgique) Paris méd., 1917, 21: 505–9.—**Markellov, N.** [Brief historic review on the development of the orthopedic clinic in the Military-Medical Academy of Leningrad] Vest. khir., 1936, 43: 104–8.—**Shaw, C. E. W.** A sea-going hospital; care of the orthopedic patient aboard the U. S. S. Solace. Trained Nurse, 1944, 113: 417–21.—**Stracker, O.** Die orthopädischen Behälfe des Wiener Kriegsorthopädischen Spitales. Beitr. klin. Chir., 1916, 103: (Kriegschir. H. 6) 653–63.

—— Instruction.

Barr, J. S. Resident training in a Navy hospital. J. Bone Surg., 1949, 31A: 898.—**Street, D. M.** Resident training in a Veterans Administration hospital. Ibid., 895.—**Thompson, M. S.** Resident training in an Army hospital. Ibid., 897.

—— Lectures and manuals.

American Academy of Orthopaedic Surgeons. Lectures on peace and war orthopedic surgery. 322p. 28cm. Ann Arb., 1943.

Lange, F. Kriegsorthopädie. 189p. 12°. München, 1915. Also another edition, 435p. 24½cm. Stuttg., 1943. Also lithoprint. 435p. 22½cm. Ann Arb., 1944.

Lorenz, A. Moderne Kriegsorthopädie. 43p. 25cm. Stuttg., 1941.

Forms Beilageh. to v.73, Zschr. Orthop.

Roth, P. B. Notes on military orthopaedics. 56p. 8°. Lond., 1916.

—— Methods.

See also various subheadings of **Surgical technic.**

D'Agostino, A. Prolusione al corso pratico di ortopedia applicato alla chirurgia di guerra. Gior. internaz. sc. med., 1915, n. ser., 37: 503–10.—**Fett, H. C., Adams, F. A., & Adams, S. E.** Pentothal sodium in orthopedic surgery. U. S. Nav. M. Bull., 1945, 45: 449–53.—**Hakala, E. W.** Diagnostic and therapeutic novocaine injections in orthopedic practice. Surgeon Circ. M. Sect. Far East Command, 1948, 3: No. 12, 12.—**Port, K.** Neuerungen auf dem Gebiete der orthopädischen Technik. Beitr. klin. Chir., 1916, 98: Kriegschir. H. 3, 501–31.

—— Organization.

Goldthwait, J. E. The Division of orthopaedic surgery in the A. E. F. 133p. 24cm. Norwood, 1941.

Brackett, E. G. Division of Military Orthopedic Surgery, Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 1: 424–36.—**Orthopädenmission** des Internationalen Komitees vom Roten Kreuz. Praxis, Bern, 1943, 32: 580.—**Pruneda, J.** Los servicios de cirugía ortopédica y reeducación. Rev. españ. med. cir. guerra, 1939, 3: 372–6.—**Rühe & Engelke, O.** Organización actual del tratamiento ortopédico. Rev. san. mil., B. Air., 1942, 41: 720–3.

—— Principles and problems.

United States. War Department. Technical bulletin TB MED 10: Coordination of physical and surgical therapy of orthopedic and amputation cases. 1p. 26cm. Wash., 1944.

Hughes, M. O'G. Some of the limitations of military orthopaedic surgery. Med. J. Australia, 1917, 2: 451.—**Jewett, E. L., & Penn, H.** Orthopedic problems at a Naval air station. South. M. J., 1943, 36: 533–6.—**Little, E. M.** Some post-war orthopaedic problems. J. Orthop. Surg., 1920, 2: 210.—**Lorenz, A.** Konservativismus in der operativen Indikationsstellung der Kriegsorthopädie. Wien. klin. Wschr., 1943, 56: 635–7.—**Luck, J. V.** Psychosomatic problems in military orthopaedic surgery. J. Bone Surg., 1946, 28: 213–

28.—**Machado Hautz, G.** Idéias modernas em traumato-ortopedia. An. Hosp. centr. exerc., Rio, 1943, **8**: 61–70.—**Miller, C. W., jr.** Psychiatry of orthopedic problems. Air Surgeon Bull., 1944, **1**: No. 9, 14.—**Mutschler.** Kriegsorthopädische Probleme. Klin. Wschr., 1942, **21**: 980.—**R. A. F.** medical officer; psychosomatic approach to orthopaedic surgery. Lancet, Lond., 1947, **1**: 346.—**Timofeev, S. I.** Ortopedija i eja primenenie osobenno posle tjaželykh operacij. Voen. med. J., S. Peterb., 1912, **237**: Med. spec. pt, 384–405.—**Watermann, H.** Kriegsorthopädische Probleme. Verh. Deut. orthop. Ges. (1940) 1941, 34. Kongr., 16–25.

—— Veterans.

Böhm, M., Göcke, C., Jottkowitz, P. [et al.] Die orthopädische Versorgung. v. p. 8° Berl., 1926.

Forms H. 2, 3, 4, Arbeit & Gesundh. (O. Martineck)

United States. Veterans Administration. Technical bulletin TB 10A–213: Orthopedic and prosthetic appliance clinic teams. 14p. 27cm. Wash., 1950.

Egloff, W. Orthopädiemechanik und Kriegsbeschädigtenfürsorge. In: Verwendungsmögl. d. Kriegsbeschäd. (Krais, F.) Stuttg., 1916, 21–30, illust. ——— Die Orthopädie im Dienste der Kriegsinvaliden-Fürsorge. Arzt als Erzieher, 1916, **12**: 25–7.—**Marcus.** Betrachtungen über die orthopädische Fürsorge für die Kriegsverletzungen. Mschr. Unfallh., 1914, **21**: 375–81.—**Scholtze, G.** Die orthopädische Versorgung der Kriegsbeschädigten. In: Orthop. Versorg. (Böhm, M.) Berl., 1926, 3. T., 73–118, pl. Also in Orthop. Stützapparate (Jottkowitz, P.) Berl., 1927, 73–86.

—— by countries.

Lagomarsino, E. H. Cuarto años de organización en traumatología y ortopedía militar; resultados estadísticos. Rev. ortop. traumat., B. Air., 1938–39, **8**: 431–73.

—— by countries: Canada.

Canadian Orthopedic Unit for Scotland. J. Am. M. Ass., 1942, **118**: 1234.—**Gibson, A.** Canadian Orthopaedic Unit in Scotland. Manitoba M. Ass. Rev., 1944, **24**: 220–2.

—— by countries: Germany.

Engelke, O. Das Orthopädie-Handwerk im Dienst der Wehrmacht. Chirurg, 1940, **12**: 12–4. ——— Ueber die orthopädische Fürsorge im Wehrmachtsfürsorge- und -versorgungsgesetz. Med. Klin., Berl., 1940, **36**: 575 (Abstr.) ——— Orthopädische Fürsorge. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 80–8. Also 2. Aufl., Dresd., 1944, 84–92.—**Lorenz, A.** La moderna ortopedia di guerra in Germania; suoi compiti e suoi risultati. Policlinico, 1943, **50**: sez. prat., 537–9.—**Rühe, E., & Engelke, O.** Der heutige Stand der orthopädischen Fürsorge. Deut. Militärarzt, 1940, **5**: 375.—**Scheuermann, H.** [War orthopedics and care of war invalids; notes from a trip to Germany] Bibl. laeger, 1916, **108**: 347; 371.

—— by countries: Great Britain.

Ely, L. W. Orthopedic duty in England. California J. M., 1918, **16**: 109.—**Holmes, J. McA.** Can the invaliding wastage of the Royal Navy be diminished by the more thorough application of the methods of Sir Robert Jones to orthopaedic cases? J. R. Nav. M. Serv., 1923, **9**: 113–9.—**Jansen, M.** Indrukken over de militaire orthopaedie in Engeland (23 Maart tot 7 Mei 1918) Ned. tschr. geneesk., 1919, **2**: 2088–90.—**Ward, F. G.** Orthopaedic rehabilitation in the Royal Navy. Bull. War M., Lond., 1944–45, **5**: 349–55.—**Weddell, J. M., Shaw, C. C.** [et al.] Artificial shortage of doctors. Lancet, Lond., 1941, **1**: 259.

—— by countries: United States.

See also **School.**

Brackett, E. G. Department for military orthopedics. Boston M. & S. J., 1917, **177**: 572.—**Osgood, R. B.** Orthopaedic work in war hospital. Ibid., 1916, **174**: 109–27.

—— in war.

Betts, L. O. Orthopaedics and the Great War. Med. J. Australia, 1940, **2**: 35–8.—**Blencke, A.** Die Aufgaben der Orthopädie im Kriege. Med. Welt. 1935, **9**: 1576–80.—**Bristow, W. R.** Orthopaedic lessons of the war. J. R. Army M. Corps, 1945, **85**: 271–5.—**Erlacher, P.** Die Orthopädie im Kriege. In: Deut. Naturwiss. Techn. & Erfind. im Weltkr., Münch., 1919, 739–61.—**Fiske, E. W.** The role of orthopedic surgery in early treatment of injured and wounded. Mil. Surgeon, 1916, **39**: 497–506.—**Jones, R.** Orthopaedic surgery in its relation to the war. Recalled to Life, Lond., 1917, 50–9.—**Kreuz, L.** Kriegsorthopädie. Münch. med. Wschr., 1940, **87**: 1285.—**Lange, F.** Die Orthopädie im Kriege. Ibid., 1914, **61**: 1826.—**Lange, M.** Beobachtungen aus der Kriegsorthopädie. Verh. Deut. orthop. Ges. (1940) 1941, 34. Kongr., 12–6.—**Marconi, S.** Ortopedia di guerra. Gior. venet. sc. med., 1943, **17**: 299–306.—**Mendizabal, P.** La ortopedia quirúrgica en la guerra. Prensa méd. mex., 1944, **9**: 91–3.—**Müller, G.** Kriegsorthopädische Betrachtungen. Med. Klin., Berl., 1916, **12**: 277.—**Porter, J. L.** Orthopedic surgery and the war. Am. J. Orthop. Surg., 1918, **16**: 413.—**Shands, A. R., jr.** Physical reconstruction in orthopedic disabilities; a major rehabilitation problem in time of war. Surg. Clin. N. America, 1945, **25**: 418–26.—**Spitzy, H., & Hartwich, A.** Orthopädische Behandlung der unverwundeten Mannschaft. Med. Klin., Berl., 1915, **11**: 866.—**Thomsen, W.** Einige interessante Röntgenbefunde aus der Kriegsorthopädie. Klin. Wschr., 1942, **21**: 1047.—**Vulpius.** Kriegsorthopädisches. Deut. med. Wschr., 1915, **41**: 785; passim.

ORTHOPEDIC table.

See also **Fracture table; Operating table; Orthopedics,** Apparatus.

Duncan, G. A., & West, J. N. Orthopedic table. Med. Bull. Medit. Theater U. S., 1945, **3**: 40.—**Egbert, D. S.** A portable orthopedic table. Mil. Surgeon, 1942, **90**: 72.—**Improvement** on orthopedic table. Bull. U. S. Army M. Dep., 1944, No. 80, 35.—**Jewett, E. L.** Ship-made orthopedic table. U. S. Nav. M. Bull., 1945, **45**: 362–4.—**Mayer, V.** Modified orthopedic table constructed in the field. Bull. U. S. Army M. Dep., 1944, No. 79, 105–7.—**Perlman, R.** Knee support for the Albee-Comper orthopedic table. Ibid., 1947, **7**: 244.

ORTHOPODOMYIA.

See also **Insect; Mosquito.**

Knight, K. L., & Mattingly, P. F. The Orthopodomyia anopheloides subgroup of mosquitoes (Diptera, Culicidae) 23p. 27cm. Bethesda, 1949.

Forms Rep. No. 2, Proj. NM 005 020, U. S. Nav. M. Res. Inst.

Classey, E. W. The tenth British record of Orthopodomyia pulchripalpis Rondani, Diptera; Fam. Culicidae. J. R. Army M. Corps, 1942, **78**: 144.

ORTHOPSYCHIATRY.

See **Mental hygiene;** also **War,** Psychological aspect.

ORTHOPTICS.

See also **Eye movement; Strabismus.**

Aaron, S., & Birt, M. D. The Worth-Black amblyoscope adapted for military orthoptic training. J. R. Army M. Corps, 1946, **87**: 191.—**Curnock, D.** War work of women orthoptists in England. Optic. J., N. Y., 1942, **79**: No. 5, 23.—**Rowe, R.** Orthoptics in the Royal Air Force. Brit. Orthopt. J., 1947, **4**: 65–74, 4 pl.

OSTEITIS [incl. osteosis]

See also subsequent headings.

Bolzinger & Le Génissel. Un cas d'ostéopathie de carence révélée par une paraplégie spasmodique. Bull. Soc. méd. mil. fr., 1945, **39**: 303–8.—**Gillen, H. W.** Inflammation of bone. U. S. Nav. M. Bull., 1925, **23**: 465–71.—**Lagomarsino, E. H., Rocca, C. A., & Dal Lago, H.** Osteitis eburnizante monomielica. Rev. san. mil., B. Air., 1938, **37**: 4–14.—**Lenormant, C., & Calvet, J.** Sur l'emploi du sulfamide dans certaines ostéites staphylococciques. Bull. War M., Lond., 1942–43, **3**: 265 (Abstr.)—**Rebierre, P. H. A.** Notes statistiques sur le résultat du traitement hydrominéral à Barèges des ostéites fistuleuses post-traumatiques rebelles à la chirurgie. Arch. méd. pharm. mil., 1929, **90**: 165–78.

—— O. deformans.

Christian, P. C. Osteitis deformans (Paget's disease) U. S. Veterans Bur. M. Bull., 1926, **2**: 874–6.—**Fava, W. F. L., & Hallissy, J. D.** An unusual case of osteitis deformans. J. R. Army M. Corps, 1948, **91**: 132–4.—**Longabaugh, R. I.** Osteitis deformans. U. S. Nav. M. Bull., 1924, **21**: 343.—**Rendtorff, H. K.** Paget's disease; with special reference to oral manifestations. Ibid., 1940, 398–401.—**Wright, F. L.** Psychosis with Paget's disease. Med. Bull. Veterans Admin., 1938–39, **15**: 191.

—— O. fibrosa.

Ismet [Local osteofibrous changes] Askerî sıhhiye mecmuası, 1932, **61**: 36–42.—**Schlumberger, H. G.** Fibrous dysplasia of single bones (monostotic fibrous dysplasia) Mil. Surgeon, 1946, **99**: 504–27, 2 pl.—**Stauffer, H. M., & Fitzgerald, P. J.** Fibrous dysplasia, a cystic lesion of bone. U. S. Nav. M. Bull., 1945, **45**: 653–60.

—— O. fibrosa cystica [Recklinghausen's disease]

Felice, P. de, González, G., & Gagliardone, C. Osteitis fibroquística de Recklinghausen. Rev. san. mil., Asunción, 1939–40, **13**: 996–1003.—**Kaas, A.** [A case of Recklinghausen's disease: ostitis fibrosa cystica] Voj. zdrav. listy, 1928, **4**: 98–102.—**Oprescu, D., & Iliescu, C. N.** [Recklinghausen's fibro-cystic osteitis] Rev. san. mil., Bucur., 1932, **31**: 402–6.

OSTEOARTHRITIS.

See also **Joint.**

Clark, J. J. Secondary hypertrophic osteo-arthropathy with case report. Mil. Surgeon, 1930, **67**: 894–8.—**Mullany, J.** Osteo-arthritis of the calcaneo-astragaloid articulation in mules. J. R. Army Vet. Corps, 1941–42, **13**: 124.

OSTEOCHONDRITIS.

See also **Hip.**

Bergmann, F. [Sequels of Perthes' disease] Voj. zdrav. listy, 1938, **14**: 252–60.—**Campbell, R. J. C.** A case of osteochondritis dissecans occurring in a young soldier accepted for military service. Brit. J. Radiol., 1942, **15**: 138–40.—**Klszowski & Tupin.** Réflexions pathogéniques au sujet de quatre cas d'ostéochondrite disséquante. Bull. Soc. méd. mil. fr., 1937, **31**: 311–7.—**Lang, H.** Zur Frage der Osteochondritis dissecans und ihrer Genese. Deut. Militärarzt, 1942, **7**: 747–57.—**Williams, R. P.** A case of osteo-chondritis dissecans. J. R. Nav. M. Serv., 1941, **27**: 294.

OSTEOCHONDROMATOSIS.

Fett, H. C., & Kreckman, H. F. Osteochondromatosis. U. S. Nav. M. Bull., 1946, **46**: 1911–3.

OSTEODYSTROPHY.

See under **Osteitis.**

OSTEOGENESIS imperfecta.

Bădiu, A., & Constantinescu, S. Un caz de maladie osteogenetică. Rev. san. mil., Bucur., 1937, **36**: 433–6, illust.—**Cardelle Penichet, B., & Arias Avellan, J.** Un caso de osteogénesis imperfecta, aplasia periostica. Rev. san. mil., Habana, 1937, **1**: 50–65.

OSTEOMALACIA.

See also **Vitamin deficiency.**

Heane, C. W., & Simpson, K. S. Some observations on equine osteomalacia in China. J. R. Army Vet. Corps, 1939, **10**: 153–7.—**Houdemer.** Quelques considérations sur la cachexie osseuse ou ostéomalacie. Rev. vét. mil., Par., 1925, **9**: 69–81.—**Kleine, H. O.** Die einheitliche Pathogenese von Osteomalacia puerperalis und sogenannten Ueberlastungsschäden des Knochensystems bei Soldaten (Beitrag zur Frage der Poly-Hypovitaminosen) Münch. med. Wschr., 1939, **86**: 970–3.

OSTEOMYELITIS.

See also **Fracture,** compound; **Head injury,** Infection; **Jaw; Wound infection,** Osteomyelitis.

Ivy, R. H., & Cook, T. J. Osteomyelitis arising from the periodontium. Mil. Surgeon, 1941, **89**: 761–9.—**Lyons, H. A.** Sclerosing osteomyelitis of Garré; with report of a case. U. S. Nav. M. Bull., 1947, **47**: 83–9.—**Mayat, V., Lindenbraten, D., & Podliashuk, L.** Osteomielit. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 115–28, 2 pl.—**Mutō, T.** Daityō-kin-sei kotuzui-en ni kan-suru kenkyū [A study on osteomyelitis caused by colibacilli] Kaigun gun-ikai zassi, 1941, **30**: 516–21, pl.—**Ochoa Mena, C.** Un caso grave de osteomielitis de los adolescentes. Mem. Convenc. méd. mil. mex., 1936, 228.—**Osteomyelitis.** Statist. Navy M., 1948, **4**: No. 7, 6–10.—**Popescu, S.** Două cazuri de osteomyelită a craniului. Rev. san. mil., Bucur., 1937, **36**: 847–52, illust.—**Reyes Bocaccio, F.** La osteomielitis. Mem. Convenc. méd. mil. mex., 1936, 225–7.—**Shuttleworth, A. C.** Septic osteomyelitis in the horse. J. R. Army Vet. Corps, 1940–41, **12**: 34.—**Simpson, D. B.** Studies on the pathogenesis of acute hematogenous osteomyelitis. Mil. Surgeon, 1943, **92**: 43–50.—**Tokuyama, Y.** Kyū-sei kanō-sei sakotu kotuzui-en no ni rei [Two cases of acute suppurative osteomyelitis of the clavicle] Kaigun gun-ikai zassi, 1940, **29**: 583–8, pl.—**Truini, F., & Via, E.** Osteomielite a focolai multipli contemporanei. Gior. med. mil., 1948, **95**: 312–22.—**Vivès & Pasquié.** Forme septicémique d'une ostéomyélite aiguë suppurée, à foyers multiples chez un adolescent. Bull. Soc. méd. mil. fr., 1933, **27**: 66–9.

—— gunshot.

See under **Wound infection,** Osteomyelitis.

—— traumatic.

See **Wound infection,** Osteomyelitis.

—— Treatment.

See also **Surgical technic,** Bone and joint.

Baer, W. S. Hearings before the Committee on World War Veterans' legislation, House of Representatives, 71. Congress, 2. Session, on the treatment and cure of the disease known as osteomyelitis; testimony. 24p. 23cm. Wash., 1930.

Frank, G., & Furka, S. A chronikus végtag-osteomyelitisek radikális műtéti kezelése a penicillin korszakában. Honvédorvos, 1950, **2**: 122–37, illust.—**Ingelrans, M. P.** Consideraciones sobre el tratamiento de las osteomielitis agudas por la penicilina (transl.) Rev. san. mil. argent., 1948, **47**: 341–4.—**Kline, L. B.** The Stewart treatment for osteomyelitis: a preliminary report. Med. Bull. Veterans Admin., 1934, **11**: 151. Also Mil. Surgeon, 1934, **75**: 251–3.—**Lins, F.** O tratamento das osteomielites pela vacinoterapia segmentária intra-arterial. Rev. med. mil., Rio, 1942, **31**: 465–78.—**Livingston, S. K.** Maggots in the treatment of chronic osteomyelitis, infected wounds, and compound fractures: an analysis based on the treatment of 100 cases with a preliminary report on the isolation and use of the active principle. Med. Bull. Veterans Admin., 1932, **9**: 1–6, 3 pl.—**Lockwood, J. S.** The use of penicillin in chronic osteomyelitis (questionnaire) Bumed News Lett., Wash., 1945, **5**: No. 1, 7–9.—**Malis, J. G.** Lećenie osteomielita trubčatykh kostej krovjanym sgustkom po Schede. Voen. med. J., S. Peterb., 1907, **219**: Med. spec. pt, 232–7.—**Markheim, H. R.** Sympathectomy as an adjuvant in the treatment of chronic osteomyelitis; a preliminary report. Mil. Surgeon, 1948, **103**: 388–91.—**Metcalfe, J. W.** Specific therapy in osteomyelitis. U. S. Nav. M. Bull., 1948, **48**: 175–9.—**Moreno, R. E., & Comolli, E. P.** Osteomielitis aguda del peroné; tratamiento por la diafisectomia total. Rev. san. mil., B. Air., 1946, **45**: 238–45.—**Murdoch, F. F., & Smart, T. L.** A method of producing sterile blowfly larvae for surgical use. U. S. Nav. M. Bull., 1931, **29**: 406–17, 8 pl.—**Orlov, I. I., & Pikover, N. V.** [Order of treatment of chronic osteomyelitis in the presence of some other affection] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 141–3.—**Penicillin** and surgery in the treatment of chronic osteomyelitis. Bumed News Lett., Wash., 1945, **6**: 5–8.—**Schick, F.** Die Ausheilung der Osteomyelitis durch spezifischen Impfstoff. Deut. Militärarzt, 1941, **6**: 640–50.—**Sovena, E.** Trattamento dell'osteomielite acuta degli adolescenti e dei bambini. Milizia san., 1940, **39**: No. 2, 8, No. 3, 8; No. 4, 8.—**Streptomycin** therapy in chronic osteomyelitis. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 6, 11–3.

OSTEOPATH.

Bailey, W. E. The crucial point. J. Am. Osteopath. Ass., 1942–43, **42**: 547–50.—**Holloway, J. W., jr.** Osteopaths as commissioned medical officers in the Navy. N. York State J. M., 1943, **43**: 80.—**Laughlin, G. M.** Commissions for osteopathic physicians in the Medical Corps of the Army or Navy. J. Osteopathy, 1942, **49**: No. 12, 10–2.—**McCaughan, R. C.** Resolution of House of Delegates. J. Am. Osteopath. Ass., 1941–42, **41**: 504.—**Military** medical standards. Month. Bull. Adams Co. M. Soc., 1941–42, **18**: 151.—**Osteopaths** as commissioned medical officers in the Navy. Pennsylvania M. J., 1942–43, **46**: 1081.—**Osteopaths** refused commissions in the Army Medical Corps. Month. Bull. Fed. State M. Bds U. S., 1918, **4**: 270–7.—**Osteopathy** and the war. J. Osteopathy, 1943, **50**: No. 2, 10.—**Osteopathy** and war effort. J. Am. Osteopath. Ass., 1941–42, **41**: 275.—**Osteopathy** and war injuries. College J., Kansas City, 1943, **27**: 156–8.—**Swope, C. D.** Commissioning osteopathic physicians and surgeons as medical officers in the Navy. Congress. Rec., 1943, **89**: A4676.—**Tilley, R. M.** The place for the new graduate in the osteopathic war program. J. Osteopathy, 1943, **50**: No. 8, 14–6.

OSTEOPOIKILIA.

Tomšik, L. Osteopoikilie. Voj. zdrav. listy, 1947, **16**: 20.

OSTEOPOROSIS.

Alvarez Alonso, A. Contribución al estudio de la osteoporosis álgica post-traumática. Rev. españ. med. cir. guerra, 1943, No. 53, 62–82.—**Florescu, A.** Cateva consideratii asupra osteo-poroselor algice post-traumatice (maladia lui Leriche) Rev. san. mil., Bucur., 1928, **27**: 355–61.—**Lichtwitz.** Les ostéoporoses aiguës; place de l'ostéoporose parmi les différentes ostéopathies métaboliques. Bull. Soc. méd. mil. fr., 1946, **40**: 119–27.—**Via, E.** L'osteoporosi da freddo. Gior. med. mil., 1947, **94**: 268–79.

OSTEOPSATHYROSIS.

See also **Fracture; Osteogenesis imperfecta.**

Arghiriade, C., & Bădiu, A. [Fractures in idiophatic fragility (osteopsathyrosis)] Rev. san. mil., Bucur., 1930, **29**: 76–9.—**Cosnier, A. C.** La maladie de la fragilité osseuse; idées actuelles. Rev. Serv. san. mil., Par., 1936, **105**: 653–67.—**Duval, M., & Trinité-Schillemans, A.** Squelette de verre et foie calcaire. Bull. Soc. méd. mil. fr., 1948, **42**: 41.

OSWIECZIM.

See under **Internee.**

OTITIS externa.

See under **Ear, Inflammation.**

OTOLARYNGOLOGIST.

See also **Otorhinolaryngologist.**

Davis, E. D. D. The oto-laryngologist on war service. Brit. M. J., 1941, **2**: 744. ——— The problems of the oto-laryngologist in war. Med. Press & Circ., Lond., 1942, **207**: 242–4.—**Ell, F. A.** [The work of the oto-laryngologist in war time] Vest. otorinolar., 1941, No. 6, 44–8.—**Forbes, H. H.** Experiences of an oto-laryngologist in the advanced sector. Am. Med., 1919, n. ser., **14**: 385–8.—**Hoople, G. D.** An oto-laryngologist's experience in World War II. Ann. Otol. Rhinol., 1946, **55**: 121–7.—**Otolaryngologist** (The) in the war. J. Am. M. Ass., 1942, **118**: 1154.

OTOLARYNGOLOGY.

See also **Otology; Otorhinolaryngology.**

United States. War Department. Surgeon General's Office. Army Medical Museum. Atlas of otolaryngic pathology. 3. ed. 173 l. 29½cm. Omaha, 1942.

Bertein, P. E. H. F. Chronique oto-laryngologique; traitement de la laryngite tuberculeuse; la paralysie faciale et l'orielle; l'audition; la voix. Arch. méd. pharm. mil., Par., 1931, **94**: 129–54.—**Canfield, N.** The present status of otolaryngology in the United States Army. Laryngoscope, 1946, **56**: 693–700. Also Tr. Am. Otol. Soc. (1946) 1947, **34**: 201–12.—**Drummond, W. A. D.** Oto-laryngology. J. R. Army M. Corps, 1948, **90**: 321–6.—**Dunlap, A. M.** Practice of otolaryngology in China in peace and war. Ann. Otol. Rhinol., 1945, **54**: 219. Also Arch. Otolar., Chic., 1945, **42**: 84.—**Escribano García, V.** Un año en el servicio de oto-rino-laringología del Hospital militar de Madrid-Carabanchel. Actual. méd., Granada, 1945, **31**: 230–6.—**Fabricant, N. D.** Military otolaryngology. Am. J. M. Sc., 1941, **201**: 902–5.—**Kulakci, N.** [Evolution of the present state of otorhinolaryngology in medicine] Askerî sıhhiye mecmuası, 1936, **65**: 1–8.—**Kurpatov, V. I.** O rabote oto-laringologa v prizyvnoj i priemnotekhničeskoj komissii voennomorskogo flota. Vest. otorinolar., 1947, No. 2, 11–5.—**Lumsden, R. B.** Some aspects of military otolaryngology. Brit. M. J., 1946, **2**: 167.—**Schenck, H. P.** Otolaryngology on the high seas. Ann. Otol. Rhinol., 1944, **53**: 752–8.—**Zálešký, J.** [The military physician and otolaryngology] Cas. lék. česk., 1934, **73**: 916.—**Zasosov, R. A.** Kharakter i organizacija oto-laringologičeskoj pomošči na flote v mirnoe i voennoe vremja. Vest. otorinolar., 1947, No. 2, 6–11.

—— in wartime.

Alexander, A. B., & Boss, L. Oto-laryngology in war time England. Pract. otorhinolar., Basel, 1942, **4**: 253–79.—**Campbell, P. A.** Otolaryngological problems of aviation in World War II. Ann. Otol. Rhinol., 1942, **51**: 293–300.—**Canfield, N.** Otolaryngology in the European Theater of World War II. Ibid., 1946, **55**: 108–20. ——— War oto-laryngology. Laryngoscope, 1946, **56**: 237–45.—**Lederer, F.** Otolaryngology in World War II. Phi Delta Epsilon News, 1947, **38**: 12.—**Mosher, H. P.** An informal report on oto-laryngology in the first year of the war. Ann. Otol. Rhinol., 1918, **27**: 437–55. ——— Observations on otolaryngology in the war. Tr. Coll. Physicians Philadelphia, 1919, 3. ser., **41**: 67–92. Also Med. Rec., N. Y., 1919, **95**: 712. ——— Oto-laryngology in the war. Ann. Otol. Rhinol., 1920, **39**: 184–92. ——— Looking backward on American otolaryngology in the World War. Tr. Am. Laryng. Ass., 1928, **50**: 114–35 ——— What was wrong with otolaryngology in the last war. Tr. Am. Otol. Soc., 1941, **31**: 235–42.—**Otčet** oto-laringologičeskoj Komissii voennohospitalnogo Komiteta pri učenom medicinskom Sovete Narkomzdrava SSSR. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 72–5.—**Report** of the activity of the Sub-Committee on Oto-Laryngology of the Surgical Specialties of the General Medical Board of the Council of National Defense. Tr. Am. Laryng. Ass., 1918, **40**: 56–86. Also Tr. Am. Otol. Soc., 1918, 14: pt 3, 383–418.—**Schenck, H. P.** Teaching otolaryngology in wartime. Ann. Otol. Rhinol., 1944, **53**: 221–6. Also Arch. Otolar., Chic., 1945, **41**: 91.—**Tunin, N. V.** Oto-laringologičeskaja pomošč v armejskom i vojskovom rajone. Vest. otorinolar., 1945, **7**: No. 2, 33–6.

OTOLOGY.

See also **Ear; Ear, nose and throat; Otolaryngology; Otorhinolaryngology;** also **Hearing; Hearing aid; Medical examination,** Ear; **Speculum; Surgical technic,** Ear.

Caccialanza, G. Relazione sul servizio pei militari (1917) Arch. ital. otol., 1918, **29**: 38–42.—**Campbell, P. A.** Progress of aviation otology in World War II. Arch. Otolar., Chic., 1945, **41**: 381.—**Escat, E.** Classement des surdités en degrés; méthode pratique d'évaluation de l'acuité auditive en vue de l'aptitude au service militaire. Rev. laryng., Par., 1917, **38**: 409–26.—**Falta, L.** Heveny középfülbántalmak kezelése új gyógyeljárással. Honvédorvos, 1950, **2**: 205–7.—**Mosher, H. P.** What was wrong with otologic service in the last war? Arch. Otolar., Chic., 1942, **35**: 166.—**Nordlund, H.** [The otological viewpoint in the medical examination of soldiers] Tskr. mil. hälsov., 1918, **43**: 118–30.—**Porter, F. J. W.** A plea for the more careful examination of the soldier's ears on enlistment. J. R. Army M. Corps, 1908, **10**: 415–7.—**Stewart, J. P.** The experiences of an otologist on active service. Edinburgh M. J., 1946, **53**: 173–82.

OTOMYCOSIS.

See **Ear, Inflammation; Mycosis.**

OTORHINOLARYNGOLOGIST.

See also **Otolaryngologist.**

Klestadt, W. Erfahrungen aus der Tätigkeit als Hals-, Nasen- und Ohrenarzt im Felde [86]p. 23cm. Münch., 1920.

Zschr. Ohrenh., 1920, **79**: 57; 239.

Brüggemann, A. Meine Erfahrungen als Hals-Nasen-Ohrenarzt im Feldlazarett. Zschr. Ohrenh., 1917, Orig., **74**: 161–72.—**Kecht, B.** Tätigkeit und Erfahrungen des Hals-Nasen-Ohren-Arztes an der Front. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 401–25.—**Kulikovsky, G.** Oto-rino-laringolog. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 201–3. ——— Ekspertiza oto-rino-laringologičeskaja. Ibid., **5**: 1130–6.—**Oertel.** Die Tätigkeit des Hals-Nasen-Ohrenarztes im Feldlazarett. Beitr. Anat. Ohr., 1918, **11**: 118–29.—**Proskuriakov, S. A.** O perestrojke raboty oto-rino-laryngologa. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 165–9.—**Uffenorde, H.** Zur ohren-, nasen- und halsärztlichen Tätigkeit des Truppenarztes. Deut. Militärarzt, 1942, **7**: 608–12.

OTORHINOLARYNGOLOGY.

See also **Otolaryngology;** also such terms as **Altitude,** Ear, nose and throat; **Aviator,** Otorhinolaryngological aspect; **Ear; Eye, ear, nose and throat; Larynx,** etc.

Brown, C. J. Notes on recent literature of the eye, ear, nose, and throat. Mil. Surgeon, 1934, **74**: 234–8.—**Friedberg, S. A.** Experiences and observations in the service. Ann. Otol. Rhinol., 1920, **39**: 122–7.—**Jauerneck.** Rückblick über Fortschritte der Hals-, Nasen-, Ohren-Heilkunde. Deut. Militärarzt, 1937, **2**: 298–302.—**Kessler, W.** Obere Luftwege, Ohren und Augen. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 131–50. Also 2. Aufl., Dresd., 1944, 145–65.—**Miller, J. B.** Some military aspects of eye, ear, nose and throat clientele. North Carolina M. J., 1942, **3**: 394.—**Putelli, F.** L'otorinolaringologia e le infermità esimenti dal servizio militare. Gior. med. mil., 1917, **65**: 664–7.—**Querol, H. E. L.** La otorrinolaringología en Hipócrates. Rev. san. mil. argent., 1947, **46**: 391; 569.—**Stelian, G.** Importanţa oto-rino-laringologiei in mediul militar. Rev. san. mil., Bucur., 1937, **36**: 228–32.—**Wirth, E.** Hals-, Nasen- und Ohrenheilkunde. Med. Klin., Berl., 1940, **36**: 226–8.

—— Hospitals.

Hauser, I. J. The practice of otorhinolaryngology in an Army general hospital. Arch. Otolar., Chic., 1945, **41**: 413–21.—**Henke, F.** Praktische Winke bei Einrichtungen von Spezialabteilungen für Hals-, Nasen-, Ohrenkranke in Kriegs- und Feldlazaretten. Beitr. Anat. Ohr., 1919, **11**: 270–86.—**Holmes, C. R.** Report of the Ear, Nose and Throat Department, Base Hospital, Camp Sherman, Ohio. Ann. Otol. Rhinol., 1920, **39**: 152–63.—**Horáček, M.** Serie válečných poranění ošetřovaných na pražské otolaryngologické klinice v r. 1945. Cas. lék. česk., 1946, **85**: 1756.—**Kleyn, A. de.** War-experiences from the oto-rhino-laryngological clinic. Acta otolar., Stockh., 1946, **34**: 99–103.—**Lund, L. V., & Cronin, D. J.** The Department of Otorhinolaryngology, U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41**: 1565–71.—**Meyrelles do Souto, A.** O Serviço de oto-rino-laringologia do Hospital militar de S. Miguel, 1942–43. Bol. Dir. serv. saúde mil., 1944, **6**: 146–59.—**Roy, C. M. D.** Brief history of the Emory Unit. Ann. Otol. Rhinol., 1920, **39**: 197.

—— Instruments.

Byrnes, V. A. Equipment of an EENT clinic. Flight Surgeon Topics, 1939, **3**: 62–5, 7 fig.—**Walder, H. J.** An instrument for holding nasal catheter. Mil. Surgeon, 1943, **93**: 83.

—— Methods.

See also **Sulfonamide;** also various subdivisions of **Surgical technic.**

Ammatuna, E. S. El uso del escofedal Merck en las amigdalectomias y otras operaciones otorrinolaringológicas. Rev.

san. mil., Asunción, 1938–39, **12**: 925–34.—**Franklin, D.** Ear, nose and throat surgery. Surg. Clin. N. America, 1941, **21**: 1569–82.—**Khilov, K. L.** Izbrannye voprosy vosstanovitelnoj khirurgii LOR-organov. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 4–13.—**Medvedeva, M. A.** Trombin i ego primenenie v oto-laringologii. Ibid., 94–8.—**Presídio de Figueiredo, N.** Cirurgia de guerra do ouvido e do nariz. Rev. med. mil., Rio, 1943, **32**: 15–30.—**Proskuriakov, S. A.** Koźnospiralnyj loskut v oto- i rinoplastike. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 14–8. ——— Vosstanovitelnye LOR-operacii s koźnopogruźnym loskutom. Ibid., 19–26.

—— Organization.

Derazhne, I. J. Foniatriju—na służbu interesam Krasnoj Armii. Vest. otorinolar., 1945, No. 4, 41.—**Kelly, H. D. B.** Oto-rhino-laryngology in the Navy. J. Lar. Otol., Lond., 1945, **60**: 279–91.—**Kulikovsky, G. G.** Organizacija lorpomoŝći v tylu dejstvujuśćej armii i vo vnutrennikh rajonakh strany. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 3.—**Oliva, R.** A otorrinolaringologia na guerra; rápido bosquejo para a sua organização em São Paulo. An. paul. med. cir., 1943, **46**: 234–9. Also Rev. paul. med., 1943, **22**: 364–8.

—— in wartime.

See also **Otolaryngology**—in wartime.

Andereya. Ueber Erfahrungen an Ohren-, Nasen-, Halskranken im Felde. Zschr. Ohrenh. 1918, Orig., **76**: 252–61.—**Flodgren, E.** An orientation in oto-, rhino- and laryngology during war. Acta otolar., Stockh., 1941, **29**: 431–6.—**Key-Aberg, H.** Die Kriegsbereitschaft der Hals-Nasen-Ohrenheilkunde. Deut. Militärarzt, 1940, **5**: 447 (Abstr.)—**Rezende, M. O. de.** Otorrinolaringologia em tempo de guerra. Rev. brasil. otorinolar., 1944, **12**: 202–12.—**Saes, P.** Um pouco de oto-rino-laringologia de guerra no sector sul. Rev. otolar. S. Paulo, 1933, **1**: 398 (Abstr.)—**Skillern, R. H.** Laryngology and rhinology with the American Expeditionary Forces, France. Tr. Am. Laryng. Ass., 1919, 41. meet., 206–12.

OTORHINOPHARYNGOLOGY.

See under **Aeromedicine**, Problems.

OTOSCLEROSIS.

See also **Deafness; Ear.**

United States. Veterans Administration. Technical bulletin TB 10A–24: Policies pertaining to the fenestration operation for deafness due to clinical otosclerosis. 2p. 27cm. Wash., 1947. Also change 1 [1] p. 1948. Also Change 2 [1] p. 1948.

Gaus, W. Otosklerose und Kriegsdienst in der Begutachtung. Deut. Militärarzt, 1941, **6**: 104–6.—**Swanson, C. A., & Delaney, A. J.** The modern treatment of progressive deafness. U. S. Nav. M. Bull., 1948, **48**: 1–6.—**Tupin.** Présentation d'un oto-spongieux ayant subi une fenestration du canal semi-circulaire gauche. Bulll. Soc. méd. mil. fr., 1949, **43**: 33.

OUTPATIENT service.

See **Hospital service**, Outpatient service.

OVERSEAS service.

See **Foreign service**; see also **Hospitalization**, overseas; **Neurosis.**

OXALIC acid.

Gortner, R. A., jr, Restarski, J. S. [et al.] Some effects of dietary oxalate on the teeth of white rats. 10p. 26½cm. Bethesda, 1946.

Forms Rep. No. 3, Res. Proj. X-418, U. S. Nav. M. Res Inst.

OXALURIA.

See under **Tropical service**, Medical aspect.

OXIDATION.

See **Oxygen saturation; Respiration.**

OXIMETER.

See also **Oxygen saturation.**

Allen, S. C. Improved type single-scale oximeter. 7 l. 27cm. Dayton, 1944.

Forms No. ENG–49–695–43, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Gagge, A. P. Oximeter. 17p. 27cm. Dayton, 1944.

Forms No. ENG–49–695–44, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hemingway, A., & Taylor, C. B. Accuracy of modified Millikan oximeter with automatic compensation for vasomotor changes in the ear and amplifier-recorder apparatus for obtaining a continuous graphic record of blood oxygen saturation. 5 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 226, U. S. Air Force School Aviat. M.

Maier-Leibnitz, H., & Richey, E. O. A special amplifier for photo-electric analysis of oxygen saturation of blood. 5p. 22cm. Randolph Field, 1948.

Forms Rep. No. 1, Proj. No. 21–02–080, U. S. Air Force School Aviat. M.

Also Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 18.

Pecora, L. J., & Consolazio, W. V. Appraisal of the method of determining arterial oxygen saturation by using arterialized ear blood. 6p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–373, U. S. Nav. M. Res. Inst.

Smaller, B. Improved type single-scale oximeter. 12 l. 27cm. Dayton, 1943.

Forms No. ENG–M–49–695–25, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Appraisal of the method of determining arterial oxygen saturation by using arterialized ear blood. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 29.—**Millikan, G. A.** The accuracy of the oximeter with and without pressure breathing. Memo. Rep. Aero M. Laborat. U. S. Air Force, 1944, No. ENG–49–695–44, p. 2–17.—**Vacca, C.** Il fotometro Coleman, modello 17–A, per le misure continue della capacità di ossigeno del sangue. Riv. med. aeronaut., 1949, **12**: 400–10.—**Wood, E. H., Geraci, J. E.** Photoclectric determination of arterial oxygen saturation in man. Sympos. Mil. Physiol., Wash., 1947, 175–85.

OXYGEN.

See also subsequent headings; also **Pressure breathing; Respiration.**

Bratt, R. W. *An investigation of the dangers from fire and explosion in the use of oxygen in aviation and in oxygen therapy and the prevention of those dangers [Minnesota] 32 l. 27½cm. Rochester, 1942.

Bainbridge, W. S. The use of oxygen in body cavities. U. S. Nav. M. Bull., 1939, **37**: 489–94.—**Boothby, W. M., Lovelace, W. R., & Carroll, H. H.** Oxygen; importance of oxygen to the Navy in aviation and in therapeutics. Ibid., 640–56, pl.—**Itō, S.** [On the influence of oxygen gas on the development of the egg of Anchylostoma duodenale] Kaigun gun-ikai zassi, 1930, **19**: 60–70.—**James, G. V.** The oxygen absorption of various organic substances from permanganate and from hypochlorite. J. R. Army M. Corps, 1941, **77**: 161–4.—**Lehmann, G., & Graf, O.** Versuche über die Wirkung von Sauerstoffatmung bei normalem Druck auf die Leistungsfähigkeit. Luftfahrtmedizin, 1941–42, **6**: 183–200. Also Bull. War M., Lond., 1942–43, **3**: 411 (Abstr.)—**Schmidt, C. F., & Brooks, J. W.** Oxygen. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **1**: No. 3, 1–35, 5 diag., 7 ch.—**Van Liere, E. J., & Brooks, J. W.** Oxygen. Ibid., No. 2, 1–27, 11 ch.

—— Determination and testing.

See also **Oximeter.**

Heinrich, M. R. Determination of dissolved oxygen and hydrogen peroxide in electrolyte solutions using platinum electrodes. 19p. 26½cm. Bethesda, 1947.

Forms Rep. No. 3, Res. Proj. X–436, U. S. Nav. M. Res. Inst.

Gemmill, C. L. The comparative testing of aviation oxygen. J. Aviat. M., 1944, **15**: 150.—**Hoechstetter, S.** A simple osygen analyzer for use in oxygen tent therapy. Mil. Surgeon, 1939, **85**: 384–6.—**Holsomback, J. C.** Simplified apparatus for testing the carbon dioxide and oxygen concentration in an oxygen tent. Army M. Bull., 1938, **46**: 42–7.—**Rein, H.** Zur Sauerstoffbestimmung auf physikalischem Wege. Luftfahrtmedizin, 1939–40, **4**: 18–22. ——— Magnetische O_2-Analyse in Gasgemischen. Schr. Deut. Akad. Luftfahrtforsch., 1943, **7**: 73–94.—**St. John, J. H.** Development of electronic oxygen analyzer for adaptation to portable metabolic apparatus. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948,

App. C, Proj. 1, No. 24, 1.—**Stampe, G.** Oxygen; estimation of. CIOS Rep., Lond., 1945, Item 8, 24 & 27, No. XXVII-61, 34-6.

—— liquid.

See **Aircrew,** Oxygen supply.

OXYGENATION.

See **Oxygen saturation;** also **Respiration.**

OXYGEN cylinder.

Penrod, K. E. Physiological tests of the H-2 emergency oxygen cylinder. 8 l. 27cm. Dayton, 1944.

Forms No. ENG-49-696-71, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Rupp, E. V. Gunfire tests conducted on German oxygen cylinders made of aluminum. 5 l. 28cm. Dayton, 1943.

Forms No. ENG-49-660-14-I-8, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Gunfire tests of oxygen cylinder subjected to gasoline flow. 4 l. 28cm. Dayton, 1944.

Forms No. ENG-49-660-14-I-9, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Development of light-weight 2640 cubic inch ground cylinder [for oxygen storage] 3 l. 27cm. Dayton, 1945.

Forms No. TSEAL-3-660-57X, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Failure of gauge on oxygen tank. J. Franklin Inst., 1941, **232:** 376.—**Smith, S. F.** Hospital economies in war time; oxygen cylinder stand. Med. Press. & Circ., Lond., 1941, **206:** 156.—**Thorp, F. P.** Means of support for therapeutic oxygen cylinders, type D-2. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 38.

—— Gage and valve.

See also **Oxygen demand valves.**

Metzger, C. A. High-pressure oxygen-cylinder valve. 6p. 27cm. Dayton, 1949.

Forms No. MCREXD-660-128-A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Hollmann, F. Combination oxygen indicator and pressure gage. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 26; Item 8, 24 & 27, No. XXVII-61, 15.

OXYGEN deficiency.

See also **Anoxia.**

Adler, H. F. Effect of various respiratory stimulants on dogs depressed by barbiturates and severe anoxia. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 18; Sept. 30, p. 32; Oct., 25.—**Dvořák, J., Kopecký, M., & Mikula, J.** Pokus o sledování autonomních regulací organismu podrobeného anoxii. Voj. zdrav. listy, 1949, **18:** 306-14, illust.—**McDonald, R.** Renal function studies in relation to anoxia. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, p. 31.—**Noell, W.** The recovery of the brain from anoxia after application of analeptic drugs; electroencephalographic studies on rabbits. Ibid., 7.—**Prast, J. W.** Anoxia warning device; development of equipment for signaling abnormal electrical activity of the brain. Ibid., 6.—**Schmidt, I.** Effect of oxygen lack on color saturation thresholds. Ibid., 15.—**Snapp, F. E., & Adler, H. F.** Effect of various respiratory stimulants on dogs depressed by barbiturates and severe hypoxia. Ibid., 1948, Jan., 23; Apr., 30.

—— in aviators.

Armstrong, H. G. Oxygen in aviation. In his Principles Aviat. M., Balt., 1939, 294-321.—**Beinert, H., Kramer, K., & Maier-Leibnitz, H.** Further investigations on the injection of respiratory catalysts in an attempt to improve anoxia tolerance. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, p. 10.—**Golubov.** Povyšenie vynoslivosti k anoksemii putem dykhanija gazovymi smesjami, bednymi kislorodom. Voen. san. delo, 1939, No. 1, 42-4.—**Hammonds, E. E.** Myocardial infarction following reduction of atmospheric pressure in low pressure chamber. Mil. Surgeon, 1944, **94:** 163-6.—**Kalmanson, G.** The effect of the hypoxia produced at high altitude on infection and immunity. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, p. 1—**Loeschcke, H. H.** Die Grenzen der Kreislaufumstellung im akuten O_2-Mangelversuch. Bull. War M., Lond., 1942-43, **3:** 584 (Abstr.)—**McDonald, R.** Effects of altitude anoxia on glucose metabolism. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, p. 20; 31.—**Popov, A., & Borščevsky, I.** [Effect of anoxemia on the vestibular apparatus] Voen. san. delo, 1937, No. 7, 27-30.—**Rose, H. W.** Effect of anoxia on visual recovery during and after glare. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, p. 13. —— Retinal photography during oxygen lack and during acceleration. Ibid., 17.—**Schaefer, H.** Ueber die elektrischen Begleiterscheinungen der peripheren Anoxämie. Bull. War M., Lond., 1942-43, **3:** 526 (Abstr.)

OXYGEN demand valves.

See also **Oxygen heater; Oxygen mask.**

Nims, L. F., & Clarke, R. W. The effect of low temperatures on the action of the A-12 oxygen demand valves. 5 l. 28cm. N. Haven, 1943.

Forms No. 15, Rep. Yale Aeromed. Res. Unit. Also forms No. 118, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Nims, L. F., & Tepperman, J. Effects of low temperatures on oxygen demand valves at altitude. 4 l. 28cm. N. Haven, 1943.

Forms No. 20, Rep. Yale Aeromed. Res. Unit. Also forms No. 146, Com. Aviat. M. Nat. Res. Counc., Wash.

Reynolds, S. R. M. Summary of unit oxygen officers' opinion of demand equipment. 16p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 80, U. S. Air Force School Aviat. M.

OXYGEN equipment.

See also **Aircraft,** Oxygen installation; **Aircrew,** Oxygen supply; also subsequent headings.

Burns, H. L., & Jackson, M. British Emergency Oxygen Set, Mk. 1. 3p. 28cm. Wash., 1943.

Forms Rep. No. 235, Com. Aviat. M. U. S. Nat. Res. Counc.

Lovelace, W. R., II. *Oxygen in aviation and surgery; a new and practical apparatus for its administration [Minnesota] 142 l. 27½cm. Rochester, 1939.

Dembo, A. G., Kechker, L. H. [et al.] [The new oxygen inhalation apparatus (G. I. S.-3)] Klin. med., Moskva, 1941, **19:** No. 10, 47-51.—**Dräger, H.** Der Heeresatmer; das Einheitsmodell des Sauerstoff-Schutzgeräts für den zivilen Luftschutz. Gasschutz, 1937, **7:** 268.—**Emergency** coupling apparatus 10-87A Fl 30-156. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. lg, 1.—**Glebović, A., Pereskokov, A., & Krivošeenko, N.** Kislorodno-dykhatelnaja apparatura. In: Encikl. slovar voen. med., Moskva, 1946-48, **2:** 1231-61.—**Kirschbaum, H. M.** Method and apparatus for controlling the oxygen content of the blood of living animals. U. S. Patent Off., 1947, 2,414,747.—**Krivošeenko, N.** Kislorodno-dykhatelnye apparaty v voennomorskom flote. In: Encikl. slovar voen. med., Moskva, 1946-48, **2:** 1255-61.—**Lovelace, W. R., II.** Oxygen for therapy and aviation; an apparatus for the administration of oxygen or oxygen and helium by inhalation. Proc. Mayo Clin., 1938, **13:** 646-54.—**Pende, N.** Blood oxygenator for use in war. War Med., Chic., 1942, **2:** 168 (Abstr.)—**Tobias, C. A., & Siri, W.** An electronic warning device for oxygen breathing systems. J. Aviat. M., 1947, **18:** 133-8.—**Yoshimura, G.** Oxygen equipment used by the JAAF. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 233, 1.

—— Engineering aspect.

Hayter, R. Design and test of oxygen breathing equipment for use in the recompression chamber. 7p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. X-540, U. S. Nav. M. Res. Inst.

Meakin, L. W., Hays, E. L., & Poppen, J. R. Engineering materials, design and techniques of investigation of oxygen equipment. J. Aviat. M., 1948, **19:** 375-9.

—— parachute.

Boothby, W. M., Benson, O. O., jr, & Lovelace, W. R. Emergency oxygen unit for use in parachute escape or in case of failure of regular oxygen supply at high altitude. J. Aviat. M., 1940, **11:** 59-66.—**Boothby, W. M., Lovelace, W. R., II., & Burchell, H. B.** Necessity of emergency oxygen unit for use in parachute escapes at high altitudes. Ibid., 1941, **12:** 126-30.—**Hollmann, F.** Parachute emergency oxygen apparatus. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 24; Item 8, 24 & 27, No. XXVII-61, 13.—**Instructions** for back pack parachute Rüfa 12B with bail-out oxygen system 10-6521 A-O HAS-16D. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1f, 1-8.—**Morehouse, S. A.** Oxygen supply for parachutists. U. S. Patent Off., 1943, No. 2,329,289.—**Parachute** emergency oxygen apparatus. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1h, 1.—**Stafford, J.** Seven-mile

jumps; dogfights 35,000 to 40,000 feet above the earth necessitated new oxygen apparatus for bailing out. Science News Lett., 1941, **39**: 42–4.

—— **Performance.**

See also **Oxygen demand valves.**

CHAMBERS, A. H., & GOLDSCHMIDT, S. Report on the performance of the M. S. A. Navy Type Oxygen Rebreathing Apparatus for aircraft use. 2p. 28cm. Wash., 1944.
Forms No. 350, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

DUFFNER, G. J. Evaluation of the use of fixed oxygen installations in submerged aircraft. 7p. 26½cm. Bethesda, 1946.
Forms Rep. No. 1, Res. Proj. X–637, U. S. Nav. M. Res. Inst.

LOVELACE, W. R., II, CHINARD, F. P., & CARLSON, L. D. Problems of oxygen equipment as presented from the 8th Air Force. 13 l. 28cm. Dayton, 1944.
Forms No. ENG–49–660–56, Memo. Rep. Aero M. Laborat. U. S. Air Force.

MILLIKAN, G. A., & CHERRY, R. B. Optimum safety pressures for certain types of oxygen equipment. 25p. 28cm. Wash., 1945.
Forms No. 431, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

STANNARD, J. N., & RUSS, E. M. Estimation of critical dead space in oxygen breathing equipment. 12p. 28cm. Wash., 1944.
Forms No. 238, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

WILSON, J. W., & DOHLING, J. Effect of respiratory dead space of oxygen equipment upon oxygen economy. 10p. 28cm. Wash., 1943.
Forms No. 274, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

OXYGEN flowmeter.

See also **Aircraft,** Oxygen installation; also **Oxygen cylinder,** Gage and valve; **Oxygen regulator.**

BENOIT, G. F. Type A–3 Oxygen Flow Indicator, bakelite molded clutch for. 17 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–64–I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Flowmeter for oxygen regulator test sets. J. Franklin Inst., 1944, **238**: 302.

OXYGEN generator.

CAHAN, A. M. Japanese chemical oxygen generator. 9 l. 28cm. Dayton, 1943.
Forms No. ENG–49–660–45–H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Oxygen purity requirement for Army Air Forces oxygen generators. 8 l. 28cm. Dayton, 1943.
Forms No. ENG–49–660–50–C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

CATCHPOLE, H. R., & ROHRBACK, J. Chemical evaluation of the Naval Research Laboratory chlorate candle. 11p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X–586, U. S. Nav. M. Res. Inst.

LUFT, U. C. The production of oxygen-nitrogen-mixtures. 7 l. 27cm. Heidelb., 1946.
Forms No. S1–46–8, Transl. U. S. Air Force Aero M. Cent., Heidelb. Transl. from Forschber. Zentr. wiss. Ber. Wesen Luftfahrtforsch., 1940, No. 1322.

TURNER, R. O. Inspection of generator, oxygen (gas) portable. 16 l. 27cm. Dayton, 1943.
Forms No. ENG–49–660–50–E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Corless, J. F. Portable oxygen generator. Air Surgeon Bull., 1944, **1**: No. 12, 13.—**Heidbrink, J. A.** Portable oxygen aviation unit. U. S. Patent Off., 1943, No. 2,324,389.—**Millikan, G. A., & Legallais, V. A.** Oxygen generator with integrated initiating device. Ibid., 1950, No. 2,507,450.—**Millikan, G. A., & Pappenheimer, J. R.** Development of chemical oxygen generators for use in aircraft. J. Aviat. M., 1948, **19**: 118.—**Muniz Barreto, L.** Obtenção de oxigênio para fins clínicos. Rev. med. mil., Rio, 1940, **29**: 35–8.

OXYGEN heater.

See also **Oxygen demand valves.**

BURNS, J. E., II [Cold test on two experimental oxygen mask assemblies] 18 l. 28cm. Dayton, 1944.
Forms No. ENG–49–660–39–O, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Freezing tests on the A–10R and A–10A demand type oxygen masks. 12 l. 27cm. Dayton, 1944.
Forms No. ENG–49–660–39–R, Memo. Rep. Aero M. Laborat. U. S. Air Force.

HEMINGWAY, A. Additional tests on the SAM oxygen heater for prevention of mask freezing. 7p. 27cm. Randolph Field, 1944.
Forms Rep. No. 3, Proj. No. 300, U. S. Air Force School Aviat. M.

—— MASLAND, R. L., & TAYLOR, C. B. Prevention of ice formation in oxygen masks. 7p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1 of preceding project.

—— Heaters for oxygen masks. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 2 of preceding project.

HEMINGWAY, A., & WIGODSKY, H. S. A valve heater for A–13 masks used for pressure breathing. 8p. 27cm. Randolph Field, 1945.
Forms Rep. No. 4 of preceding project.

LEIN, A. The performance of A8B [oxygen] masks equipped with devices designed to prevent freezing. 3 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 218, U. S. Air Force School Aviat. M. Also forms No. 272, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

OXYGEN indicator.

See under **Oxygen cylinder,** Gage and valve; **Oxygen flowmeter.**

OXYGEN indoctrination.

See also **Atmospheric chamber,** Training.

Barbašova, Z. I., Galickaja, N. A. [et al.] Vlijanie trenirovki v barokamere na vynoslivost k kislorodnomu golodaniju. Voen. med. sborn., 1944, **1**: 119–28.—**Gemmill, C. L.** Indoctrination of aviation personnel in use of oxygen equipment in a low-pressure chamber. U. S. Nav. M. Bull., 1942, **40**: 576–9.—**High** altitude regulations with introduction to operation of oxygen breathing equipment. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1c, 1–20, 10 pl.—**Indoctrination** of German fliers; use of oxygen. Ibid., 1.—**Instructions** for the use of the army respirator oxygen protective equipment for one hour's use. Ibid., App. 60, 1–6.—**Memorandum** on procedure in connection with high altitude flying. Ibid., App. 1d, 1–3.—**Smedal, H. A.** Observations on the results of indoctrination of aviation personnel in the use of oxygen equipment in the low pressure chamber at Pensacola, Florida. J. Aviat. M., 1943, **14**: 206–10.

OXYGEN line.

TOBIAS, C. A. Oxygen line safety clamps. [6]p. 28cm. Wash., 1944.
Forms No. 311, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

OXYGEN mask.

See also other headings beginning with Oxygen; also **Gas mask; Respirator.**

CARLSON, L. D. Oxygen masks recovered from enemy aircraft. 21 l. 32cm. Dayton, 1943.
Forms No. ENG–49–660–39–I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

DUNCAN, J. E. An improved helmet for breathing oxygen or other gases. 7p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X–415, U. S. Nav. M. Res. Inst.

FUGITT, C. H. A comparison of certain properties of the standard A–14 oxygen mask with

those of the A–14 oxygen mask modified by raising the inlet ports. 6 l. 26½cm. Pensacola, 1946.
Forms Rep. No. 2, Proj. No. X–584, Res. Rep. U. S. Nav. School Aviat. M.

Randall, F. E. Mask, oxygen, pressure-demand. 12 l. 27cm. Dayton, 1944.
Forms No. ENG–49–695–22–B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

AMC engineers developing disposable oxygen mask. Techn. Data Digest, Dayton, 1949, **14**: No. 17, 5.—**Azbel, R. I., & Kinzerskaja, K. N.** Individualnye kislorodnye polumaska i polukamera dlja podviżnoj kislorodnoj ustanovki. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 182–4.—**Bierman, H. R.** Oxygen mask. U. S. Patent Off., 1948, No. 2,444,417.—**Boothby, W. M., & Bulbulian, A. H.** Oxygen mask. Ibid., 1944, No. 2,348,277.—**Bulbulian, A. H.** Aviation mask. Ibid., 1946, No. 2,398,076. ——— High elevation mask. Ibid., 1949, No. 2,465,973.—**Frye, H. H., & Behnke, A. R.** Breathing apparatus. Ibid., 1943, No. 2,325,049.—**Le Mée.** Nouvel appareil à oxygène. Gaz. hôp., 1940, **113**: 426.—**Mehl, H. G.** Offene Ueberdruckmaske in Holland. Gasschutz, 1937, **7**: 103.—**Randall, F. E., & Damon, A.** An interesting application of a basic science to aviation medicine. J. Aviat. M., 1943, **14**: 200–5.—**Specker, J. C.** Dentures and oxygen mask. Air Surgeon Bull., 1944, **1**: No. 8, 21.

—— Leakage [and other defects]

See also subheading (Testing) also **Oxygen demand valves.**

Bonner, J. T. Characteristics of demand oxygen mask leakage. 7 l. 27cm. Dayton, 1943.
Forms No. ENG–49–696–7E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Also forms No. 273, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Carlson, L. D. A study of demand regulator requirements to neutralize various degrees of mask leakage. 17p. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–48–I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Fugitt, C. H. A study of the manner in which mask leaks change with varying negative pressures. 8 l. 26½cm. Pensacola, 1945.
Forms Rep. No. 1, Proj. No. X–521, Res. Rep. U. S. Nav. School Aviat. M.

—— The constancy of leakage into poorly fitting masks as measured with the McKesson spirometer type tester. 7 l. 26½cm. Pensacola, 1945.
Forms Rep. No. 1, Proj. No. X–565, Res. Rep. U. S. Nav. School Aviat. M.

—— Maintenance.

Kennedy, M. M. Cleaning and sterilization of oxygen masks. 7 l. 27cm. Dayton, 1943.
Forms No. ENG–49–696–49, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Smedal, H. A., Brown, E. B. [et al.] A practical method for cleaning the A–14 type oxygen mask. 2 l. 27cm. Pensacola, Fla., 1946.
Forms Rep. No. 1, Res. Proj. X–679 (Av–359–s) U. S. Naval School Aviat. M.

Canvas carrier for an oxygen mask. Air Surgeon Bull., 1944, **1**: No. 12, 23.—**Name** tag around hose junction of oxygen mask. Ibidem.—**Report** on a spray method for sterilizing oxygen masks. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 41.

—— Performance.

See also **Oxygen heater.**

King, B. G., Futcher, P. H. [et al.] Physiological appraisal of A–10A oxygen mask. 10p. 26½cm. Bethesda, 1943.
Forms Res. Proj. X–273, U. S. Nav. M. Res. Inst.

King, B. G., Henson, M., & Whaley, R. V. Preliminary report on physiological appraisal of the MSA, type E unlined experimental oxygen mask. 4 l. 26½cm. Bethesda, 1943.
Forms Res. Proj. X–275, U. S. Nav. M. Res. Inst.

—— Physiological appraisal of the British oxygen mask, Type H. 8p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–257, U. S. Nav. M. Res. Inst.
Also forms No. 281, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Luft, U. C. Zur Verwendung von Höhenatemgeräten auf Himalajaexpeditionen. Luftfahrtmedizin, 1941–42, **6**: 45–8.

—— Suspension.

King, B. G. Examination of experimental suspension for the MRS–1 oxygen mask; preliminary report. 2 l. 26½cm. Bethesda, 1943.
Forms Res. Proj. X–248, U. S. Nav. M. Res. Inst.

—— & Henson, M. Appraisal of the suspension and fit of the MRS–1 oxygen mask. 5p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1 of preceding project.

—— Testing.

See also subheading (Leakage)

Bonner, J. T. Evaluation of two mechanical leak testers for demand oxygen masks. 8 l. 27cm. Dayton, 1943.
Forms No. ENG–49–696–54, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Carlson, L. D. Freezing tests on the Type A–14 demand oxygen mask. 58 l. 28½cm. Dayton, 1944.
Forms No. ENG–49–660–39–P, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Henson, M., King, B. G., & Goldman, D. E. Evaluation of the McKesson leak testing method for oxygen masks. 14p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj. X–312, U. S. Nav. M. Res. Inst.

—— Evaluation of leak testing methods for oxygen masks. 7p. 26½cm. Bethesda, 1944.
Form Rep. No. 2 of preceding project.

Masland, R. L. The use of aromatic oils as a simple method of detecting and localizing inspiratory leaks in the A–10 mask. 4 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 90, U. S. Air Force School Aviat. M.

Skow, R. K., & Vaughan, B. E. Modification of BuAer M–117 demand oxygen mask leak tester. 16 l. 27cm. Pensacola, 1946.
Forms Rep. No. 1, Res. Proj. X 692 (Av 365–s) U. S. Naval School Aviat. M.

Vollmer, E. P. Calibration of one plastic pocket leak tester. 4p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–312B, U. S. Nav. M. Res. Inst.

—— Calibration of two McKesson pocket model leak testers. 5p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–312C, U. S. Nav. M. Res. Inst.

—— & Goldman, D. E. Calibration of two plastic pocket leak testers. 5p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–312A, U. S. Nav. M. Res. Inst.

Scano, A. Metodo per il controllo degli inalatori di ossigeno. Riv. med. aeronaut., 1948, **11**: 577–85.

OXYGEN officer.

Gray, J. S. Evaluation of the performance of unit oxygen officers. 9 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 103, U. S. Air Force School Aviat. M.

OXYGEN poisoning.

Latham, F. Studies on the oxygen paradox. 11p. 32½cm. Lond., 1948.
Forms F. P. R. C. No. 705, Gr. Britain Flying Pers. Res. Com.

Snapp, F. E., & Adler, H. F. Oxygen toxicity. 8p. 26½cm. Randolph Field, 1948.

André, M. J. Les effets paradoxaux de l'oxygène et le problème de la réanimation. Acta clin. belg., 1947, 2: 248–57.—**Armstrong, H. G.** The toxicity of oxygen at decreased barometric pressures. Mil. Surgeon, 1938, 83: 148–51.—**Becker-Freyseng, H.** Neue Untersuchungen uber die Einwirkung hochkonzentrierten Sauerstoffs auf den Organismus. Bull. War M., Lond., 1942–43, 3: 46 (Abstr.) Also War Med., Chic., 1942, 2: 372 (Abstr.) ——— & **Clamann, H. G.** Die Wirkung langdauernder Sauerstoffatmung in verschiedenen Höhen auf den Menschen. Luftfahrtmedizin, 1942–43, 7: 272–91.—**Bergin, K. G.** Oxygen poisoning. In his Aviat. Med., Bristol, 1949, 197–9.—**Grandpierre, R., Franck, C., & Lemaire, R.** L'action paradoxale de l'oxygène; son intérêt en médecine aéronautique. Méd. aéronaut., 1948, 3: 199–226.—**Hoff, E. C.** Oxygen intoxication. In his Bibliogr. Sourceb. &c. Submarine Med., Wash., 1948, 163–94.—**Oxygen** (The) paradox. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, 84.—**Van Der Aue, O. E.** Oxygen poisoning; historical. Bumed News Lett., Wash., 1945, 5: 3–7.

—— experimental.

Pichotka, J. Experimental investigations concerning the cause of oxygen poisoning. 9 l. 27cm. Heidelb., 1946.

Forms No. D2–46–5, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Schaefer, K. E., Alvis, H. J. [et al.] Studies of oxygen toxicity; preliminary report on underwater swimming while breathing oxygen. l. 84–93. 27½cm. N. Lond., 1949.

Forms Proj. NM 002 015 03 01 (or, No. 149, v.8) Rep. U. S. Nav. M. Res. Laborat.

Prikladovicky, S. I. [Toxic effect of high oxygen pressure in the animal; analysis of the effect of O_2 on the animal body] J. Physiol. USSR, 1936, 20: 518–33.

—— Manifestations.

Comroe, J. H., jr, Dripps, R. D. [et al.] The effect of inhalation of high concentrations of oxygen for 24 hours upon normal men at sea level and at a simulated altitude of 18,000 feet [1] l. 28cm. Wash., 1945.

Forms No. 414, Rep. Com. Aviat. M. U. S. Nat. Res. Counc

Gersh, I. The syndrome of oxygen poisoning in cats. 19p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–192, U. S. Nav. M. Res. Inst. Also War Med., 1945, 8: 221–8.

Bean, J. W., & Siegfried, E. C. Chronic motor disability resulting from repeated exposure to oxygen at high pressure. Fed. Proc., Balt., 1946, 5: No. 1, pt 2, 6.—**Shilling, C. W., & Adams, B. H.** A study of the convulsive seizures caused by breathing oxygen at high pressures. Bull. U. S. Nav. M., 1933, 31: 112–21.—**Syndrome** (The) of oxygen poisoning in cats. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 14.

—— Pathogenesis.

See also **Pressure breathing.**

Gersh, I., & Wagner, C. E. Metabolic factors in oxygen poisoning. 12p. 26½cm. Bethesda, 1944.

Forms Rep. No. 3, Res. Proj. X–192, U. S. Nav. M. Res. Inst.

Ohlsson, W. T. L. A study on oxygen toxicity at atmospheric pressure with special references to the pathogenesis of pulmonary damage and clinical oxygen therapy. 93p. 23½cm. Lund, 1947.

Forms Suppl. 190, Acta med. scand.

Clamann, H. G., & Becker-Freyseng, H. Einwirkung des Sauerstoffs auf den Organismus bei höherem als normalem Partialdruck unter besonderer Berücksichtigung des Menschen. Luftfahrtmedizin, 1939–40, 4: 1–10.—**Metabolic** factors in oxygen poisoning. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 15.—**Seelkopf, K.** Beruht die Giftwirkung des reinen Sauerstoffs auf einer Schädigung der Fermente? Luftfahrtmedizin, 1944, 9: 57–67.

—— Pathology.

Gersh, I. Pneumothorax and extrapulmonic emphysema in cats exposed to oxygen under pressure. 5p. 26½cm. Bethesda, 1944.

Forms Rep. No. 5, Res. Proj. X–192, U. S. Nav. M. Res. Inst.

—— & Hawkinson, G. E. Biochemical study of pulmonary edema of guinea pigs exposed to high oxygen atmospheres. 11p. 26½cm. Bethesda, 1945.

Forms Rep. No. 7 of preceding project.

Joas, F. *Ueber den Lungenbefund bei der Sauerstoffvergiftung [Heidelberg] 11p. 21cm. Ludwigshafen, 1938.

Kaunitz, J. Myocardial damage resulting from high oxygen tension. J. Aviat. M., 1942, 13: 267–71.—**Noro, K.** Aeromedical research; pathology of rapid decompression, anoxia and oxygen intoxication in animals. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 167, 1–4.—**Pneumothorax** and extrapulmonic emphysema in cats exposed to oxygen under pressure. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 16.

—— Physiopathology.

Gersh, I., & Cohn, R. Changes in brain potentials during convulsions induced by oxygen under pressure. 8p. 26½cm. Bethesda, 1944.

Forms Rep. No. 4, Res. Proj. X–192, U. S. Nav. M. Res. Inst.

Gersh, I., Davies, P. W., & Larrabee, M. G. Oxygen tension of the cerebral cortex of cats during oxygen poisoning. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 6 of preceding project.

Whitehorn, W. V., & Edelmann, A. The cardiovascular response to the breathing of 100% oxygen at normal barometric pressure; abstract. 1p. 28cm. Wash., 1945.

Forms No. 474, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— Prevention.

Hayter, R., & White, W. A., jr. Oxygen poisoning in man; effect of exercise on time of onset of symptoms. 5p. 26½cm. Bethesda, 1946.

Forms Rep. No. 2, Res. Proj. X–436, U. S. Nav. M. Res. Inst.

Pfeiffer, C. C., & Gersh, I. The prevention of the convulsions of oxygen poisoning by means of drugs. 17p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X–192, U. S. Nav. M. Res. Inst.

United States. Naval Medical Research Institute. Oxygen poisoning in man; effect of cysteine hydrochloride and ammonium chloride on the time of onset of toxic symptoms. 4p. 27cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–436, U. S. Nav. M. Res. Inst.

OXYGEN regulator.

See also **Oxygen demand valves; Oxygen equipment.**

Carlson, L. D. Average dilution characteristics of AN–6004–1 Regulators and oxygen supply duration calculations. 7p. 27cm. Dayton, 1945.

Forms No. TSEAL–3–660–48K, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Eckman, M., & Barach, A. L. A combined mixing and flow regulator [for oxygen] 3p. 28cm. Wash., 1945.

Forms No. 416, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Garrard, H. F. Regulators, oxygen, automatic pressure breathing, experimental, Type D–1, Eclipse-Pioneer. 20 l. 28cm. Dayton, 1950.

Forms No. MCREXD–660–118–F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Goldman, D. E., King, B. G. [et al.] Physiological evaluation of three Pioneer Bendix diluter demand oxygen regulators with safety pressure. 13p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–551, U. S. Nav. M. Res. Inst.

Goldman, D. E., Vollmer, E. P., & Henson, M. Oxygen expenditure of safety pressure

diluter demand oxygen regulators. 28p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2 of preceding project.

Good, D. R. Stand, test for diluter demand oxygen regulators. 4 l. 27cm. Dayton, 1944.
Forms No. ENG–49–660–17–I–2, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Regulator, automatic continuous flow oxygen. 14 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–68–E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Kulesz, W. G., & Carlson, L. D. Comment on Headquarters Eighth Air Force report, Diluter demand regulators in the Eighth Air Forces, date 28 May 1945. 8 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–86, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Gray, J. S. The factor of safety of the dilutor-demand regulator estimated in terms of the neutralized mask leak. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 306, U. S. Air Force School Aviat. M.

Smith, F., & Specht, H. Final report of tests on the Eclipse Pioneer Diluter-Demand Oxygen Regulator with the safety pressure attachment. 2p. 28cm. Wash., 1945.
Forms No. 423, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. Aero Medical Laboratory. Memorandum report, ENG–49–660–17–F–2: Conference concerning requirements and design characteristics of regulators. 48 l. 28cm. Dayton, 1944.

Van Gundy, R. C. Functional characteristics of the Canadian C3B demand oxygen regulator. 5 l. 28cm. Dayton, 1944.
Forms No. ENG–49–660–52–G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Whaley, R. V. Evaluation of an Eckman-Barach therapeutic oxygen mixing and flow regulator. 7p. 26½cm. Bethesda, 1945.
Forms Rep. No. 1, Res. Proj. X–494, U. S. Nav. M. Res. Inst.

Deming, G. M., & Gilroy, J. Oxygen regulator. U. S. Patent Off., 1950, No. 2,534,959.—**Eckman, M., & Barach, A. L.** A combined mixing and flow regulator. J. Aviat. M., 1945, **16**: 265–7.—**Evaluation** of an Eckman-Barach therapeutic oxygen mixing and flow regulator. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 30.—**High** altitude demand regulators. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1h, 2.—**Hollmann, F.** High altitude demand regulators. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 25. ——— Regulator test instruments. Ibid., 27. ——— Reducing regulators. Ibid., 28–30.—**Holmes, B. B.** Oxygen regulator. U. S. Patent Off., 1943, No. 2,328,214.—**Oxygen** and oxygen regulator; anoxic episodes. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 29.—**Oxygen** expenditure of safety pressure diluter demand oxygen regulators. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 34.—**Physiological** evaluation of three Pioneer Bendix diluter demand oxygen regulators with safety pressure. Ibid., Jan.–June, 35.—**Reducing** regulators. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1h, 3–5.—**Regulator** test instruments. Ibid., 3.

OXYGEN requirement.

See also **Flying,** Gas metabolism.

Korkes, S., Chinn, H. I., & Marriott, W. Oxygen consumption at low oxygen tensions. 4p. 26cm. Randolph Field, 1948.
Forms Rep. No. 1, Proj. No. 21–02–101, U. S. Air Force School Aviat. M.

United States. National Research Council. Committee on Aviation Medicine. Report No. 206: Criteria promulgated by the Chief of the Bureau of Medicine and Surgery (U. S. Navy) as to physiological requirements applying to the design and testing of oxygen breathing equipment for use in naval aircraft. 19p. 28cm. Wash., 1943.

Weiss, R. A. Physical training program for convalescent medical patients; oxygen consumption during various calisthenic exercises. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 2, Proj. No. 246, U. S. Air Force School Aviat. M.

Kleinholz, L. H. Rates of oxygen consumption by bomber personnel. Air Surgeon Bull., 1945, **2**: 303.—**Lovelace, W. R., Carlson, L. D., & Wulff, V. J.** Oxygen consumption of aircrews. Ibid., 304.—**Oxygen** and respiration. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 7–19.

OXYGEN safety device.

Tobias, C. A., Lindsay, H. [et al.] Oxygen safety device for bomber crews. 8p. 28cm. Wash., 1944.
Forms No. 322, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

OXYGEN saturation.

See also **Oximeter; Respiration.**

Beischer, D. E. Automatic regulation of the oxygen saturation of arterial blood in man. 16 l. 27cm. Pensacola, 1949.
Forms Rep. No. 1, Res. Proj. No. NM 001 055, U. S. Nav. School Aviat. M.

Comroe, J. H., jr, & Dripps, R. D., jr. The oxygen tension of arterial blood and alveolar air in normal human subjects [1] l. 28cm. Wash., 1944.
Forms No. 388, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Anthony, A. J. Sauerstoffatmung, Blut und Kreislauf. Luftfahrtmedizin, 1939–40, **4**: 11–3.—**Comroe, J. H.,** jr, & **Fowler, W. S.** Normal human arterial oxygen saturation; its rate of increase upon breathing 100 percent oxygen. Sympos. Mil. Physiol., Wash., 1947, 171–3.

OXYGEN supply.

See also **Aircrew,** Oxygen supply.

Chatham, J. D. Trailer, Oxygen Servicing, Type E–2 Specification No. 30168. 2 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–74, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Goldman, D. E. Evaluation of constant flow-reservoir oxygen mask system for use in Navy transport planes. 15p. 26½cm. Bethesda, 1944.
Forms Rep. No. 2, Res. Proj. X–391, U. S. Nav. M. Res. Inst.

United States. National Research Council. Committee on Aviation Medicine. Criteria for testing oxygen supply systems, by the Sub-Committee on Criteria of Oxygen Masks and Oxygen Equipment. 5p. 28cm. Wash., 1941.
Forms Rep. No. 20, Com. Aviat. M. U. S. Nat. Res. Counc.

Bowen, W. J. Emergency oxygen supply. U. S. Patent Off., 1948, No. 2,444,029.—**Evaluation** of constant flow-reservoir oxygen mask system for use in Navy transport planes. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 29–31.—**Waegeningh, E. van.** Zuurstof-voorziening aan het front. Mil. geneesk. tschr., 1917, **21**: 60–2.—**Weight** analysis of constant-flow system of oxygen supply for long-range high-altitude aircraft [tab.] In: Human Factors in Air Transp. Design (McFarland, R. A.) N. Y., 1946, 642.—**Weight** analysis of diluter-demand system of oxygen supply for long-range high-altitude aircraft [tab.] Ibid., 643.

OXYGEN tent.

See also **Oxygen,** Determination; **Oxygen therapy,** Apparatus.

Beck, W. C., & Dunham, E. An improvised oxygen tent. Mil. Surgeon, 1946, **99**: 133.—**Wolff, M. H.** Oxygen concentration in oxygen tents. U. S. Nav. M. Bull., 1945, **44**: 988–90.

OXYGEN testing kit.

See **Nitrogen meter;** also **Oxygen,** Determination and testing.

OXYGEN therapy.

See also **Ophthalmology,** Therapeutics; **Ozone; Resuscitation.**

A., A. H., jr. Industrial vs. medical oxygen for therapeutic purposes. Bumed News Lett., Wash., 1943, **2:** No. 9, 16.—**Bainbridge, W. S.** The value of oxygen in abdominal surgery. Mil. Surgeon, 1945, **96:** 229–32.—**Bartenbach, B.** [Experimental basis in oxygen therapy] Lek. wojsk., 1927, **10** 467–81.—**Berle, C. K., & Lovelace, W. R.,** II. Oxygen therapy and its practical use with troops on active service. Off. Rep. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 321–63 [Discussion] Proc., 230–62.—**Evans, J. H.** The war and oxygen therapy. N. York State J. M., 1944, **44:** 2443–51.—**Ferri, G.** Metodi moderni per la ossigenoterapia dei colpiti da aggressivi chimici. Gior. med. mil., 1936, **84:** 229–39.—**Filimonov, D. V., Volodin, A. N.** [et al.] [Use of oxygen in anoxemia and hypercapnia] Tr. Acad. mil. méd. Kiroff, 1934, **1:** 71–97.—**Glebovich, A.** Inbaljacionnaja kislorodnaja terapija pri porażenii OV udušajuščego dejstvija. Voen. san. delo, 1939, No. 10, 11–9.—**Hombourger, P. F.** L'oxygénothérapie; ses applications en temps de guerre. Rev. Serv. san. mil., Par., 1940, **112:** 57–81.—**Martin, S. J., & Makel, H. P.** Organization of a section on resuscitation and oxygen therapy. Army M. Bull., 1942, No. 61, 124–8.—**Shrader, J. C., & Kaliss, N.** Pressurized oxygen therapy; case report. Bull. U. S. Army M. Dep., 1946, **6:** 466–71.—**Varshavsky, K.** K voprosu o terapevtičeskom dejstvii podkožnogo i vnutrivennogo vvedenija kisloroda. Voen. san. delo, 1939, No. 10, 19–21.—**Volodin, A. N., Filimonov, D. V.** [et al.] [Oxygen therapy in anoxemia and hypercapnia] Tr. Acad. mil. méd. Kiroff, 1935, **4:** 223–49.—**Webber, R. J.** A review of some aspects of oxygen therapy. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, **4:** 63–77.

—— Apparatus.

See also **Oxygen equipment; Oxygen mask.**

United States. War Department. Technical bulletin TB MED 1: Oxygen therapy apparatus: Closed circuit; Boothby-Lovelace. 5p. 26cm. Wash., 1943.

Bartlett, W., jr. The conversion of liquid to gaseous oxygen for therapy. U. S. Nav. M. Bull., 1943, **41:** 1446.—**Bufe, W.** Das Druckdifferenzverfahren in der Feldchirurgie unter Anwendung des Ueberdruckzusatzgerätes zum Sauerstoffbehandlungsgerät 38. Chirurg, 1943, **15:** 672–5.—**Cook, J. C.** Oxygen gage stand. Bull. U. S. Army M. Dep., 1949, **9:** 95.—**Ellis, F. P.** Improvised methods of oxygen administration. J. R. Nav. M. Serv., 1942, **28:** 125–36 —**Marchetti, J. D.** Method for administering oxygen. Hosp. Corps Q., 1945, **18:** No. 9, 66.—**Menaker, G. J.** Oxygen administration unit. Mil. Surgeon, 1943, **92:** 533–9.—**Mershon, R. H.** An inexpensive multiple oxygen therapy unit. Hosp. Corps Q., 1943, **16:** No. 4, 95–7.—**Mosin, A. B., & Pavlov-Bykov, A. V.** [Nasopharyngeal method in oxygen therapy] Voen. san. delo, 1941, No. 8, 56–8.—**Oxygen** therapy apparatus; closed circuit, Boothby-Lovelace. War Dep. Techn. Bull., 1943, No. 1, 1–5.—**Pflesser, G.** Das neue Sauerstoffbehandlungsgerät der Wehrmacht (S. B. G. 38) Deut. Militärarzt, 1939, **4:** 312–6.—**Porter, H. B.** Oxygen administration by nasal catheter; adaptability to military-medical requirements. Mil. Surgeon, 1935, **77:** 348–50.—**Robinson, W. A.** Notes on an improvised nasal oxygen apparatus. J. R. Army M. Corps, 1944, **82:** 14–21.—**Sharkey, J.** Instructions for use and care of oxygen therapy equipment. Treatm. Serv. Bull., Ottawa, 1948, **3:** No. 5, 32–5.

—— subcutaneous and extrapulmonary.

Aparicio, S. Oxigenoterapía subcutánea. Bol. farm. mil., Madr., 1926, **4:** 104–12.—**Fegler, J., & Bartenbach, B.** [Research on the therapeutic value of oxygen in extrapulmonary administration] Lek. wojsk., 1931, **18:** 40–9.—**Łepkowski, Z.** [Therapeutic value of subcutaneous injections of oxygen] Ibid., 1927, **10:** 481–8.—**Mazière.** Au sujet des injections sous-cutanées d'oxygène. Bull. Soc. méd. mil. fr., 1911, **5:** 420.

OYSTER.

Bryan, A. H. The inspection of oysters. Bull. U. S. Army M. Dep., 1943, No. 71, 59–62. ——— Veterinary oyster inspection. Mil. Surgeon, 1944, **94:** 282–5.—**Carr, W. J., Anderson, R. B., & Betzold, C. W.** Determinations of pH of Pacific oysters. Bull. U. S. Army M. Dep., 1948, **8:** 442–4.—**Snook, G. W.** Inspection of oysters. Ibid., 1945, No. 86, 101–4.

OZENA.

See also **Nose,** Disease.

Becker, F. Ueber das Vorkommen von Ozäna bei Wehrpflichtigen. Zschr. Ohrenh., 1914, **70:** 286–8.—**Brzosko, R.** [Ozena] Lek. wojsk., 1937, **29:** 220; 270.—**Cuzin, L.** L'emploi des extraits de larves de Lucilia sericata en oto-rhino-laryngologie et plus particulièrement dans le traitement de l'ozène. Bull. Soc. méd. mil. fr., 1935, **29:** 126–33.—**Flores, A.** El ozena, enfermedad de vasoconstricción? Rev. san. mil., Lima, 1942, **15:** 101.—**Łukasiewicz, K.** [Biology of pseudodiphtheric bacilli found in ozena] Lek. wojsk., 1932, **19:** 1–9.—**Nieddu-Semidei, A.** L'ozena in medicina legale militare. Atti Congr. Soc. ital. laring. (1912) 1913, **15:** pt 2, 232. Also Gior. med. mil., 1915, **63:** 585–91.—**Okuyama, S.** Coccobacillus foetidus ozaenae von Peréz ni yoru hikaketteisiki-en; rinsyō rei [Studies on inflammation in the subcutaneous tissue due to Coccobacillus foetidus ozena isolated originally by Dr. Peréz] Bull. Nav. M. Ass., Tokyo, 1941, **30:** 222–9, pl.—**Oliveira, N. H. de.** Estudo da ozena. Arq. brasil. med. nav., 1949, **10:** 1599–611.—**Uluğ, R. A.** [Ozena from the clinical, therapeutic and social view-points] Askerî sıhhiye niecmuası, 1938, **67:** 27–41.

OZONE.

See also under **Carbon monoxide,** Protection.

Schulman, J., Barmack, J. E., & Coakley, J. C. Human problems in the operation of high speed aircraft; atmospheric ozone. 13 l. 28cm. Port Washington, 1947.

Forms No. 151-1 (20-M-1b) Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Satō, A. [Spektrophotometrische Bestimmung von therapeutisch anwendbaren Ozon.] Bull. Nav. M. Ass., Tokyo, 1937, **26:** 894–900.

P A B A

See **Para-aminobenzoic acid.**

PACIFIC.

See under **World War II** (various subheadings)

PACIFISM.

See as subheading under **Militarism.**

PACKAGED ration.

See under **Ration,** packaged.

PACKED hospital.

See **Hospital construction,** packed.

PAIN.

See also **Wounded,** Pain; also **Surgical technic,** Anesthetization.

Bocquet. Le problème de la douleur. Rev. vét. mil., Par., 1947, **2:** 354–9.—**Ochoterena, I.** El dolor desde el punto de vista biológico. San. mil., Méx., 1948, **1:** 3–7.—**Orbeli, L. A.** [Certain basic questions in the problem of pain] Tr. Acad. mil. méd. Kiroff, 1935, **2:** 233–47. ——— Sovremennoe sostojanie učenija o boli. Voen. med. sborn., 1946, **3:** 3–13.—**Stagnitti, F.** L'ipercalgesia cutanea nella diagnostica delle malattie interne. Gior. med. mil., 1935, **83:** 946–55.

—— Surgery.

See also **Neurosurgery.**

Elliott, H., Albert, S., & Bremner, W. A program for prefrontal lobotomy with report of effect on intractable pain. Treatm. Serv. Bull., Ottawa, 1948, **3:** No. 3, 26–35.—**Hesse, F.** Die operative Schmerzbekämpfung im Kriege. Deut. Militärarzt, 1942, **7:** 185–91.—**Ogata, T., & Huzitaka, S.** Tōtū ni tai-suru geka-teki ryōhō no keiken [Clinical experience in the relief of pain by cutting the nerves] Gun idan zassi, 1940, 637–54.—**Olson, C. K.** The surgical treatment of intractable pain. Surg. Staff Semin. Minneapolis Veterans Hosp., 1949, **6:** 131–48. —**Tokura, S.** Dōmyaku ikōkan sinkei setuzyozyutu no sisi tōtū ni tai-suru tiryō-teki kōka ni tuite [Surgical results concerned with periarterial sympathectomy for pain in the extremities] Gun idan zassi, 1927, 113–21.

PAINT.

See also **Camouflage.**

Dudding, J. S., Dudley, S. F., & Frederick, R. C. The production of carbon monoxide from paint in sealed compartments. J. R. Nav. M. Serv., 1932, **18:** 119–23.—**Goldwater, L. J., & Jeffers, C. P.** Mercury poisoning from the use of antifouling plastic paint. U. S. Nav. M. Bull., 1942, **40:** 476–80.—**Héderer.** Recherches expérimentales sur la toxicite des peintures bitumeuses du type kerbitum ou néobitum en usage dans la Marine. Arch. méd. pharm. nav., 1938, **128:** 961–84.—**Imbasciati, B.** Inchiesta infortunistica, studio sperimentale e misure protettive nelle intossicazioni da polveri derivanti dal raschiamento delle pitture sottomarine dalle carene delle navi. Igiene mod., 1938, **31:** 364–79.—**Ship's** coat. Bumed News Lett., Wash., 1943, **2:** No. 3, 10.—**Young, C. A., & Gelatte, A. C.** Dope poisoning as a potential hazard in spray coating airplane wings. U. S. Nav. M. Bull., 1932, **31:** 63–86.

PALATE.

See also **Mouth**; also **Dental surgery.**

Dearden, R. H. Mixed tumours of the hard palate. J. R. Nav. M. Serv., 1944, **30**: 246–9.—**Frojnd, V.** Delomična sekvestracija tvrdog nepca u desnu nosnu šupljinu. Voj. san. pregl., Beogr., 1949, **6**: 493.—**Hüsnü, Y.** [Restoration of a palate destroyed by a projectile by the means of a mobile prosthesis, communicating with the right maxillary sinus.] Askerî sıhhiye mecmuası, 1936, **65**: 145–8.—**Lataix.** Epithélioma du voile du palais chez le cheval. Rev. vét. mil., Par., 1931, **15**: 395–9.—**Nakamura, M.** [Uber einen Fall von primär in der Nähe der Schneidezähne entwickelten Gaumenkrebs] Bull. Nav. M. Ass., Tokyo, 1940, **29**: 503–6.—**Quintarelli, L.** Due casi di ulcera necrotica della volta palatina consequenti ad iniczioni di cocaina adrenalina. Ann. med. nav., Roma, 1927, **1**: 67–75.

—— cleft.

Cases of cleft palate; construction of simple obturator. Bull. Army M. Dir., Lond., 1941, No. 5, 2.—Cleft palate; construction of simple obturator. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 27.—**Kelly, E. K.** Cleft palate prosthesis. U. S. Armed Forces M. J., 1950, **1**: 311–6, illust.—**Rakow, B. A., Ebner, P. G., & Ombres, S. R.** Prosthesis for cleft palate in the newborn. Mil. Surgeon, 1947, **100**: 503–5.—**Schole, M. L., & Katz, T.** Cleft palate prosthesis. Bull. U. S. Army M. Dep., 1945, No. 84, 90–3.

PALAU.

See under **World War II.**

PALESTINE.

See under **Wars and campaigns, 1947–1950: Jewish-Arab conflict; World War I; World War II.**

PALM.

See also **Hand; Muscle contracture.**

Bradley, R. M. Aneurism of the palmar arteries; report of case. Mil. Surgeon, 1945, **97**: 486–9.

PALMER skin resistance.

See **Aviator,** Fitness tests.

PALUDRINE.

See also under **Malaria,** Pharmacology.

Ferber, C., & Chinn, H. Toxicity of anti-malarial drugs; suppressive doses of chloroquine and paludrine. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 12. ——— Toxicity of anti-malarial drugs; therapeutic doses of chloroquine, paludrine and pentaquine. Ibidem.

PANAMA Canal Zone.

See also under **Venereal disease; World War II.**

Ames, H. E. A sanitary study of Culebra as a naval base. J. Ass. Mil. Surgeons U. S., 1905, **17**: 163–94.—**Chamberlain, W. P.** Sanitation of Panama Canal Zone; permanent drainage and mosquitoes. Mil. Surgeon, 1927, **60**: 397–422, 2 maps, 3 pl. ——— The medical activities of the Panama Canal. Ibid., 1933, **72**: 108–24.—**Colquhoun, A. R.** The strategical and economical effect of the opening of the Panama Canal. J. R. N. Service Inst., Lond., 1908, **52**: 175–95.—**Gorgas, W. C.** The sanitary organization of the Isthmian Canal as it bears upon antimalarial work. Mil. Surgeon, 1909, **24**: 261–7.—**Phalen, J. M.** An early Panama crossing. Ibid., 1940, **87**: 352–5.—**Ziegler, J. G.** Notes on a tour of duty with a battalion of Marines on the Isthmus of Panama. Ibid., 1912, **31**: 553–64.

PANARITIUM.

See under **Paronychia.**

PANCREAS.

See also **Digestive system.**

Savić, V. V. Materialy k fiziologii sekrecii podželudočnogo soka. Izv. Voen. med. akad., S. Peterb., 1908, **16**: 3–28.—**Sevket Artamli** [Pancreatic hormones] Askerî sıhhiye mecmuası, 1941, **70**: 97–104.

—— Disease.

See also **Pancreatitis.**

Bush, S. W., & Scott, M. U. Cystic fibrosis of the pancreas. Med. Bull. Europ. Command, 1949, **6**: No. 9, 3–5.—**Cankat, M., & Birand, I.** [Case of acute necrosis of the pancreas] Askerî sıhhiye mecmuası, 1937, **66**: 57–69.—**Ferguson, L. K., & Thompson, C. M.** Acute pancreatic edema with stone in the ampulla of Vater. U. S. Nav. M. Bull., 1945, **44**: 1269–72.—**Higgins, A. R.** Acute hemorrhagic pancreatic necrosis; a review with case reports. Ibid., 1938, **36**: 477–82.—**Margileth, A. M.** Cystic fibrosis of the pancreas. Ibid., 1949, **49**: 890–4.—**Sidgwick, H. G.** A case of multilocular cyst of the pancreas: operation and recovery. J. R. Army M. Corps, 1910, **15**: 83–5.—**Van Urk, T.** Case report; cyst of the pancreas. Mil. Surgeon, 1928, **63**: 215–8.

—— Injury.

Halle, L. Traumatic rupture of the pancreas. Med. Bull. Veterans Admin., 1944–45, **21**: 227–9.—**Jensen, A. L., & Gill, C. C.** Hyperglycemia due to suspected pancreatic trauma, report of a case. Mil. Surgeon, 1944, **94**: 26–8.—**Moulson, G.** A case of subcutaneous rupture of the pancreas. J. R. Army M. Corps, 1938, **71**: 266–71.—**Strauss.** Die Erkrankungen und Verletzungen der Bauchspeicheldrüse in der Armee von 1894 bis 1904. Deut. mil. ärztl. Zschr., 1908, **37**: 329–38.

—— Tumor.

Brandão Filho. Insuloma do pâncreas; crises expontâneas de hipoglicemia. Arq. brasil. med. nav., 1948, **9**: 1511–22.—**Chodkowski, K.** [Malignant tumors of the pancreas of mesenchymal origin; autopsies performed in the anatomical laboratory of Warszaw University] Lek. wojsk., 1929, **13**: 321–58.—**D'Arcy, T. N.** A case of carcinoma of the pancreas. J. R. Nav. M. Serv., 1938, **24**: 237.—**Jones, W. A., & Matte, M. L.** Tumor of the pancreas, with hypoglycemia. Med. Bull. Veterans Admin., 1937–38, **14**: 375–7.—**Kiernowski, T.** [Cancer of the head of the pancreas, complicated by diabetes] Lek. wojsk., 1934, **23**: 688–95.—**Rosnowski, M.** Przypadek raka główki trzustki. Ibid., 1929, **13**: 8–20.—**Spangler, P. E.** Islet cell adenoma of the pancreas associated with bilateral urinary calculi. U. S. Nav. M. Bull., 1943, **41**: 1087–97.—**Stein, W.** Adenoma of the pancreas with hyperinsulinism. Med. Bull. Veterans Admin., 1941–42, **18**: 314–7.—**Zuccari, F.** Il cancro e la chirurgia della testa del pancreas. Gior. med. mil., 1909, **57**: 401–48.

PANCREATITIS.

See also **Pancreas,** Disease; **Parotitis epidemica,** Complication.

Acute hemorrhagic pancreatitis. Med. Bull. North Afr. Theater U. S., 1944, 1: No. 3, 16.—**Arghiriade, C., & Bâdiu, A.** [Case of acute hemorrhagic pancreatitis with steatonecrosis] Rev. san. mil., Bucur., 1930, **29**: 339–42.—**Bober, S.** [Chronic pancreatitis] Lek. wojsk., 1937, **29**: 490–7.—**Camelin, Robine & Garnung.** Pancréatite lithiasique avec diabète et troubles de la sécrétion externe. Bull. Soc. méd. mil. fr., 1947, **41**: 36–9.—**Chiariello, A. G.** Contributo clinico sulla pancreatitc acuta emorragica. Gior. med. mil., 1936, **84**: 1054–61.—**Clark, C. L., & Bowers, W. F.** Acute pancreatitis. Circ. M. Sect. Far East Command, 1947, No. 9, 33–5.—**Curl, H. C.** Notes on four cases of chronic pancreatitis treated by drainage of the gall bladder. U. S. Nav. M. Bull., 1908, **2**: No. 4, 41–4, pl.—**Dugger, J. A.** Recurrent acute pancreatitis; review of the literature and report of a case. Ibid., 1949, **49**: 498–507.—**Filatov, A. N.** Mestnoc primenenie preparatov krovi pri leċenii svišċej podželudočnoj železy i ostrykh pankreatitov. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 135 41.—**Gowans, J. D. C.** A dramatic death from acute pancreatitis. J. R. Nav. M. Serv., 1944, **30**: 120.—**Halahan, T. D.** A case of hæmorrhagic pancreatitis; operation: recovery. Ibid., 1920, **6**: 99.—**Hanson, A. M.** An application of physiological chemistry to pancreatitis. Mil. Surgeon, 1932, **70**: 244–9.—**Hüseyin, R.** [Pancreatitis and diabetes caused by a mechanical obstacle] Askerî sıhhiye mecmuası, 1934, **63**: 37–41.—**Mukaizaka, S.** Hokusi yasenku ni okeru kyū-sei suizōkai-si no syuzyutu tiken rei [Cases of surgical treatment of acute pancreatic breakdown in the North China war area] Gun idan zassi, 1938, 613–8.—**O'Connell, H. V., & Ellis, G. S.** [Acute pancreatitis] U. S. Nav. M. Bull., 1949, **49**: 967–72, illust.—**Porter, F. J. W.** Report on a case of death from acute pancreatitis. J. R. Army M. Corps, 1908, **10**: 425.—**Quattlebaum, F. W.** Acute pancreatitis. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, **4**: 156–71.—**Radvan, I.** Importanța diastazuriei în diagnosticul pancreatitelor. Rev. san. mil., Bucur., 1937, **36**: 747–54.—**Sedgley, F. R.** Pancreatitis, acute and chronic; with case reports. Med. Bull. Veterans Admin., 1937-38, **14**: 151–6.—**Theodorescu, D., & Zamfirescu, Z.** [Surgery in acute pancreatitis] Rev. San. Mil., Bucur., 1929, **28**: 13–8.—**Volpi, J. P.** Pancreatitis hemorrágica traumática. Rev. san. mil., B. Air., 1943, **42**: 328–31.—**Willan, R. J.** Biliary colic and chronic pancreatitis. J. R. Nav. M. Serv., 1945, **31**: 211–5.

PANIC.

See also **Psychological warfare.**

Rouppert, S. Panika jako zjawisko wojenne; szkic psychologiczny. 83p. 8° Warsz., 1926.

Critchley, M. A medical study of the Black Hole of Calcutta. J. R. Nav. M. Serv., 1945, **31**: 158–69.—**García Montoro, I.** Psicosis y psiconeurosis colectivas; pánico de los ejércitos y de las muchedumbres; epidemias de espiritismo y sugestión curativa, etc. Rev. san. mil., Madr., 1930, **20**: 6; passim.—**Greenwood, M.** Panic in wartime. Brit. M. J.,

1940, 1: 448.—**Panic** prevention; psychological precautions, as well as fireproofing, needed to avoid disaster due to panic in night clubs and other public places; special problem in war time. Science News Lett., 1942, 42: 406.—**Rickman, J.** Panic and air-raid precautions. Lancet, Lond., 1938, 1: 1291–5.—**Rouppert, S.** [Panic, as war phenomenon] Lek. wojsk., 1926, 7: 121; 221; 333. ——— La panique comme phénomène de guerre. Sess. Off. internat. docum. med. mil., 1936, 6. Sess., 169–90. Also Bull. internat. Serv. santé, Liège, 1937, 10: 471–90.—**Silvester, H. G.** A provocative dose. J. R. Nav. M. Serv., 1941, 27: 371–4.

PANNONIAN War [2. ct. A. D.]

See under **Wars and campaigns.**

PANORAMIC analyzer.

Eldredge, D. H. Low frequency panoramic analyzer. 10p. 27cm. Dayton, 1948.

Forms No. MCREXD-695-71A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

PANTOTHENIC acid.

See also **Vitamin.**

Edge, C. O., Barnes, L. A., & Durant, R. C. Evaluation of a pantothenic acid analogue (SN 14,622) as a possible antistreptococcal agent. 11p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 005 009 (or, X-754) U. S. Nav. M. Res. Inst.

Miller, Z. B., & Eakin, R. E. The effect of calcium pantothenate on the growth of Plasmodium gallinaceum in the chick. 7p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-534, U. S. Nav. M. Res. Inst.

Evaluation of a pantothenic acid analogue, SN 14,622, as a possible antistreptococcal agent. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 9.—**Peat, J.** Pantothenic acid status in human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 51.

PAPAYA.

See under **Poison.**

PAPILLEDEMA.

See under **Optic fascicle.**

PAPPATACI fever.

See **Phlebotomus fever.**

PARA-AMINOBENZOIC acid.

See also **Vitamin.**

Tchaperoff, I. C. C. The determination of the effect of irradiation by X-rays on p-amino-benzoic acid using Clostridium acetobutylicum for assay. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 3, C. 6113, 1–9.

PARACEL Islands.

See under **World War II.**

PARACHLOROPHENYL-TRICHLOROETHANE.

See **D D T.**

PARACHUTE.

See also **Aircraft,** Design; **Field ambulance;** also subsequent headings.

Tripp, R. C. H. Recent advances in research on parachutes by the Aero-Medical Section of the German Air Force. 4 l. 29½cm. Lond., 1945.

Forms F. P. R. C. No. 635, Gr. Britain Flying Pers. Res. Com.

Edwards, B. F. The evolution of the parachute as a safety device. Contact, Pensacola, 1944–45, 4: 298–303.—**Ejectable** parachute seats. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 32.—**Heinrich, H.** Development of a stabile parachute. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 74–7.—**Parachutes.** In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 51–3.—**Parachute** technique of the Aerodynamic department of the Graf Zeppelin research establishment. Ibid., App. 13b, 1–13.—**Sobennikov, I.** Parašjut, parašjutnye pryžki. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 344–9.—**Taira, S.** Parachutes of the Japanese Army and Navy Air Forces. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 220, 1–3.

PARACHUTE descent.

See also **Parachute jumping,** Medical aspect.

Barach, A. L., Besson, G. [et al.] Experiments with human subjects on simulated free-fall with particular regard to actual parachute descents from high altitudes and observations on the incidence of aeroembolism. 3p. 28cm. Wash., 1943.

Forms No. 120, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Hall, F. G., Swann, H. G., & Wilson, J. W. Physiological effects of high negative mask pressures during a simulated free-fall. 11 l. 28cm. Dayton, 1944.

Forms No. TSEAL-3-696-68, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Maison, G. L., Penrod, K. E., & Hall, F. G. Descent times of 200-pound dummies with 28-foot silk, 28-foot nylon and 24-foot nylon parachutes. 14 l. 27cm. Dayton, 1945.

Forms No. TSEAL-3-696-66H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Andreev, F. Sanitarno-higienićeskoe obespećenie desantnoj operacii. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 444–9. ——— & **Popov, A.** Desant (descendere) Ibid., 441–51.—**Bergeret, P., & Giordan, P.** World record in free fall with delayed opening of parachute; a medicophysiologic study. War Med., Chic., 1942, 2: 521 (Abstr.)—**Diringshofen, H.** Die Selbstrettungszeit beim Höhenabstieg (Betrachtungen zum Fallschirmabsprung aus grossen Höhen) Bull. War M., Lond., 1942–43, 3: 527 (Abstr.)—**Effects** of parachute descent. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25-0-1, Sect. 8, No. 7, 1–8.—**Lutz, W.** Fallschirm, Absprung aus grossen Höhen. CIOS Rep., Lond., 1945, Item 24, No. XXIX-21, 134.—**Popov, A.** Vozdušnyi desant. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 449–51.—**Simulated** high altitude bail-out and parachute descent using special breathing procedures and without the use of bail-out oxygen equipment. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 39.

PARACHUTE emergency oxygen apparatus.

See under **Oxygen equipment.**

PARACHUTE escape.

See also **Aircraft,** Ejection seat; **Oxygen equipment,** parachute.

Allman, T. L., Jones, W. L., & Brumley, R. H. Inhibiting factors in escape from aircraft. 14 l. 24pp. of pl. 27cm. Cherry Point, 1947.

Forms Rep. No. 2, Res. Project X-677 (Av-358a) Bur. M. & S. U. S. Navy.

——— Pilot's equipment emergency release; belt type and seat type. 5 l. 8pp. of pl. 27cm. Cherry Point, 1947.

Forms Rep. No. 3 of preceding project.

Allman, T. L., Jones, W. L., & Parnell, R. L., jr. Experimental design and procedures of inhibiting factors in escape from aircraft. 20p. 27cm. Cherry Point, 1946.

Forms Rep. No. 1 of preceding project.

Gilson, J. C., Stewart, W. K., & Williams, G. O. Report on the hazards of escaping from aircraft in combat. 19 l. 34cm. Lond., 1946.

Forms F. P. R. C. No. 658, Gr. Britain Flying Pers. Res. Com.

Hass, G. M. Results of dual attempts at consecutive escape by parachute from uncontrolled two-seated training aircraft. 7p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 328, U. S. Air Force School Aviat. M.

—— The problem of escape by parachute in acute aerial emergencies in flying training. 18p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 417, U. S. Air Force School Aviat. M.

Hass, G. M. Unsuccessful use of parachutes and cases resulting from forces generated by aircraft spins. Air Surgeon Bull., 1944, 1: No. 10, 6. ——— Dual attempts at parachute escape. Ibid., 1945, 2: 244.—**Lutz, W.** High altitude parachute escape. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 66.—**Parachute** escape from spinning aircraft. Accid. Bull. (U. S. A. Air Forces) 1945, April, 4.—**Wulff, V. J., & Lovelace, W. R.** Parachute escape. CIOS Rep., Lond., 1945, Item 24, No. XXVI-56, 14–6.

PARACHUTE harness.

See also **Fracture**—by site: Spine; **Harness.**

BONNER, J. T. Breathing pattern in a parachute harness. 4 l. 27cm. Dayton, 1944.
Forms No. ENG-49-696-7G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Shoulder harness. Air Surgeon Bull., 1944, 1: No. 10, 8.

PARACHUTE injury.

See also **Jejunum; Parachute opening,** Shock force.

Bertrand & Hutin, Y. A propos d'une fracture du scaphoïde tarsien chez un ancien parachutiste. Rev. méd. Nancy, 1948, 73: 147.—**Bocco, F. S., & Baistrocchi, J. D.** Traumatismos propios del aterrizaje observados en mil lanzamientos con paracaídas. Rev. san. mil., B. Air., 1946, 45: 620–33.—**Cortese, A. A.** Paracadutisti combattenti; qualità e genere delle eventuali lesioni traumatiche subite dal paracadutista nell'atterraggio. Atti Accad. med. lombarda, 1942, 31: 263.—**D., G.** Traumatismes par parachutage. Bull. internat. Serv. santé, Liége, 1944, 17: No. 11, 11-4.—**Delucchi, J. R.** Hemorragia subconjuntival por lanzamiento en paracaídas. Rev. san. mil., B. Air., 1940, 39: 511–3. –**Dolbnin, T.** [Parachute trauma and means of prevention] Voen. san. delo, 1938, No. 2, 49–57.—**Encausse, P.** Parachute jumping and its consequences. War Med., Chic., 1942, 2: 347 (Abstr.)—**Goldman, D. G.** [Prevention of trauma in parachute jumps] Vest. khir., 1937, 52: No. 7, 58–62.—**Grasso, R.** Due casi di rottura traumatica sottocutanea del bicipite da causa diretta in paracadutisti. Gior. med. mil., 1943, 91: 124–9.—**Injuries** associated with parachute escapes. Air Surgeon Bull., 1944, 1: No. 5, 8. Also Accid. Bull. (U. S. A. Air Forces) 1945, Dec., 3–7.—**Injuries** seen with escape by parachute. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25-0-1, Sect. 8, No. 7, 7.—**Lord, C. D., & Coutts, J. W.** A study of parachute injuries. Bull. U. S. Army M. Dep., 1944, No. 78, 57–67. ——— Typical parachute injuries; a study of those occurring in 250,000 jumps at the Parachute School. J. Am. M. Ass., 1944, 125: 1182–7. Also J. Bone Surg., 1944, 26: 547–57.—**Lyle, F. M.** Hazards and injuries of emergency parachute jumps at low altitudes. Air Surgeon Bull., 1945, 2: 240–3.—**McMurray, T. B.** Injuries around the ankle joint occurring in parachutists. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 148–50.—**Rosen, V. H.** Traumatic neuropathy of brachial plexus in paratroopers. Bull. U. S. Army M. Dep., 1945, No. 84, 121.—**Rupture** of diaphragm by parachute opening. Air Surgeon Bull., 1945, 2: 243.—**Tobin, W. J.** Parachute injuries. Mil. Surgeon, 1944, 94: 222–4.—**Veklenko, A., Kaptievsky, E., & Rumshin, I.** [Fractures in parachute jumpers] Voen. san delo, 1936, No. 9, 13–9.

PARACHUTE jumping.

See also **Division,** airborne; **Oxygen equipment,** parachute; **Tarsus. Also Parachutist.**

HEINRICH, H. Program for research and development in the field of parachute technique. 4 l. 27cm. Heidelb., 1946.
Forms Jan. 4 issue of Transl. U. S. Air Force Aero M. Cent., Heidelb.

Baistrocchi, J. D. 243 lanzamientos con paracaídas. Rev. san. mil., B. Air., 1945, 44: 1175–8.—**Benjamin de Viveiros, J.** Parachute jump. War Med., Chic., 1942, 2: 522 (Abstr.)—**Gauer, O., Opitz, E.** [et al.] Fallschirmabsprung und Zeitreserve in grossen Höhen. Bull. War M., Lond., 1942–43, 3: 527 (Abstr.)—**Muller, H. E., & Lane, W. Z.** Safety factors in parachuting. Contact, Pensacola, 1944–45, 4: 308–12.—**Parachuting.** Gr. Britain Flying Pers. Res. Com., 1940–45, 44.—**Sáenz Aranaz, B.** Paracaidismo. Ejército, 1942, No. 28, 26–33.—**Talenti, C.** Lancio eon paracadute. In: Tratt. med. aeronaut., Roma, 1942, 3: 369–83.—**Use** of the parachute. Air Surgeon Bull., 1944, 1: No. 6, 18–20.

—— Medical aspect.

See also **Parachute surgical team; Parachute troops,** Medical service.

HAAB, P. *Médecine et parachutisme militaires [Lyon] 47p. 24cm. Montrouge, 1945.

PENROD, K. E. Oxygen flow requirements for bailing out at 42,000 feet. 4 l. 27cm. Dayton, 1944.
Forms No. ENG-49-696-7J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Albay Cemal Ispahi [Medical observations of parachute jumps] Askerî sıhhiye mecmuası, 1940, 69: 105–7.—**Bober, S.** Spadochroniarstwo z lekarskiego punktu widzenia. Lek. wojsk., 1948, 24: 447–56.—**Capek, D.** Seskok padákem po stránce lékařské. Voj. zdrav. listy, 1948, 17: 191–8.—**Cortese, V. A.** Paracadutisti combattenti; fenomeni psichico-fisici sull'organismo del paracadutista durante il lancio. Atti Accad. med. lombarda, 1942, 31: 260–3.—**Flamme, A. L. M. J. B.** Considérations médicales sur le parachutisme. Rev. Serv. san. mil., Par., 1937, 107: 371–95.—**Kirschbaum, H.** Parachute jump from 32,000 feet without oxygen; report of a case. J. Aviat. M., 1944, 15: 142.—**Moore, G. L.** Some mechanical and physiological aspects of parachuting. Contact, Pensacola, 1944–45, 4: 304–7.—**Saltos** (Los) con paracaídas, según la medicina. Rev. estud. mil., Madr., 1936, 9: 443.—**Szlązak, J.** [Medical problems in parachute jumping] Lek. wojsk., 1938, 32: 86–103.—**War** Department, Army Air Forces; jump of 40,200 feet by Army Air Forces medical officer. J. Aviat. M., 1943, 14: 223–5.—**Wójcik, W.** [Observations of an aviation physician on parachute jumps] Lek. wojsk., 1936, 27: 742–55.

—— of animals.

WENDT, H. J. C. T., & LUTZ, W. Tierversuche zum Fallschirmabsprung aus Ueberdruckkabinen. 22 l. 29½cm. Münch., 1942.
Forms Forschber. No. 5, Mitt. Luftfahrtmed.

Parachuting the war dog. J. R. Army Vet. Corps, 1950, 21: 6–11.

PARACHUTE nurse.

See **Nurse,** airborne.

PARACHUTE opening.

MARTIN, E. E. Exertion required of personnel in opening Type B–8 Back Pack Parachute. 15 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-696-69C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Exertion required of personnel in opening the S-1 Seat Pack Parachute. 14 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-696-69D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Automatic device.

HALLENBECK, G. A., MARTIN, E. E., & MAISON, G. L. An aneroid activated parachute opening device. 14 l. 28cm. Dayton, 1944.
Forms No. TSEAL-5B-696-66A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

HERING, F. Automatic parachute release. 4 l. 27cm. Heidelb., 1946.
Forms No. S5–46–20, Transl. U. S. Air Force Aero M. Cent., Heidelb.

MAISON, G. L. Automatic parachute opening device. 27 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-696-82, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Shock force.

DEUTSCHE VERSUCHSANSTALT FÜR LUFTFAHRT. Parachute opening-shock recorder. 8 l. 27cm. Heidelb., 1946.
Forms No. S4–46–16, Transl. U. S. Air Force Aero M. Cent., Heidelb.

MAISON, G. L., & PENROD, K. E. Comparison of shock force at opening of ripstop nylon and standard nylon parachutes. 7 l. 26½cm. Dayton, 1945.
Forms No. TSEAL-3-696-66I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & HALL, F. G. Comparison of shock force at opening of silk and nylon parachutes at various altitudes. 20 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-696-66C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Comparison of shock force of opening of 24- and 28-foot nylon parachutes at various altitudes. 22 l. 27cm. Dayton, 1945.
Forms No. TSEAL-3-696-66G, Memo. Rep. Acro M. Laborat. U. S. Air Force.

Hallenbeck, G. A., Penrod, K. E., & MacCardle, R. Parachute shock. Air Surgeon Bull., 1945, 2: 35–7.—**Maison, G. L., Penrod, K. E., & Hall, F. G.** Parachute shock forces. Ibid., 350–3.—**Webster, A. P., & Smedal, H. A.** Suggested altitude vs velocity tolerances for parachute opening shock. Med. News Lett. Aviat. Suppl., Wash., 1949, 10: 1–6.

PARACHUTE sense.

See under **Aviator,** Training.

PARACHUTE surgical team [incl. medical]

See also **Parachute troops,** Medical service; **Parachute warfare.**

G., J. E. Exercise by R. A. F. parachute medical team. Nurs. Mirror, Lond., 1949, 89: 7.—**Longland, C. J., & Kessel, L.** The parachute surgical team. Lancet, Lond., 1944, 1: 381.—**Parachuted** medical units to attend wounded in forward areas. J. Am. M. Ass., 1943, 122: 390.—**Parachute** surgical teams. Bull. U. S. Army M. Dep., 1945, No. 89, 1.—**Rob, C. G.** Some experiences with a parachute surgical unit. J. R. Army M. Corps, 1944, 82: 165–7.

—— Equipment.

Pecora, J. S. Field test of survival equipment; field test of Paradoctor Kit. 14 l. 27cm. Ladd Air Force Base, 1948.
Forms Sect. H, Proj 3, U. S. Air Force Arct. Aeromed. Laborat.

Bizien & Gómez. Parachutage en haute-montagne d'une équipe chirurgicale. Vjschr. schweiz. Sanitätsoff., 1949, 26: 120–5. —**Medical** pouch for parachutists. Bull. U. S. Army M. Dep., 1944, No. 74, 10.

PARACHUTE training.

See also **Aviator,** Training; **Division,** airborne.

Winfield, B. J. O. Some medical aspects of parachute training. 75p. 30½cm. Lond., 1948.
Forms F. P. R. C. No. 674, Gr. Britain Flying Pers. Res. Com.

Greenfield, K. R., & Palmer, R. R. The role of GHQ in the development of airborne training. In: U. S. Army in World War II, Wash., 1947, AGF 1: 93–8. —— Early development of airborne training. Mil. Rev., Fort Leavenw., 1947–48, 27: No. 12, 27–30.—**Lutz, W.** Die Steuerung von Fallschirmabsprüngen in Unterdruckkammern mittels Strömungsmesser. CIOS Rep., Lond., 1945, Item 24, No. XXIX–21, 35–9.—**Reznikov, S., & Graifer, G.** [Medical control of parachute jumps from training towers] Voen. san. delo, 1935, 26–31.

PARACHUTE troops.

See also **Division,** airborne; **Parachutist.**

Great Britain. Flying Personnel Research Committee. F. P. R. C. No. 296: Memorandum on prevention of sickness in airborne troops. 2 l. 23½cm. Lond., 1941 [?]

Winfield, R. H. Report on the problem of airsickness in parachute troops. 4 l. 23½cm. Lond., 1941 [?]
Forms F. P. R. C. 277, Gr. Britain Flying Pers. Res. Com.

—— Medical service.

See also **Parachute surgical team.**

Bocco, F. S. El servicio de sanidad en las tropas paracaidistas y el médico paracaidista. Rev. san. mil. argent., 1947, 46: 252–7.—**Goligher, J. C., & Wells, G. C.** Organisation of an airborne surgical centre. Lancet, Lond., 1945, 2: 1–4.—**Hinman, H. E.** A jumping doctor reports. Contact, Pensacola, 1942, 2: 65–7.—**Hunter, R. C.,** jr. Airborne medical service. Mil. Surgeon, 1949, 104: 427–31.—**Krasner, B.** Medical service with Exercise Snowdrop. Bull. U. S. Army M. Dep., 1948, 8: 629–35.—**Rob, C. G.** Experiencias con una dotación quirúrgica de paracaidistas. Rev. san. mil., B. Air., 1944, 43: 1094–8.—**Schickele, A., & Evrard, E.** Les troupes aéroportées et leur service de santé. Bull. internat. Serv. santé, Liége, 1947, 20: 401–29.—**Smirnov, G. A., Sheftel, M. A.** [et al.] [Medical service for parachute jumpers, and the duties of parachute station physician] Sovet. vrach. J., 1937, 2: 295–300.

PARACHUTE warfare.

See also **Division,** airborne.

Essex-Lopresti, P. The problems of airborne surgery. London Hosp. Gaz., 1948, 51: 7–13.—**Kosic, H.** Kriegschirurgischer Erfahrungsbericht aus einer im Winter 1942 an der Ostfront eingesetzten Fallschirmjäger-Sanitätskompanie. Wien. med. Wschr., 1944, 94: 149–52.—**Pozner, H.** Medical aspects of air landing operations in the East. J. R. Army M. Corps, 1945, 84: 197–200.

PARACHUTIST.

See also **Division,** airborne; **Parachute injury; Parachute jumping; Parachute troops.**

Germany. Luftwaffe [Luftwaffen-Druckvorschrift] L. Dv. 94: Vorschrift über ärztliche Untersuchung auf Fliegertauglichkeit und Fallschirmschützentauglichkeit, vom 15. April 1939 [Reprint] 30p. 21cm. Berl., 1939.

Cortesse, V. A. Paracadutisti combattenti; come si diventa paracadutisti. Atti Accad. med. lombarda, 1942, 31: 256–60 — **Kisilstein, J.** [Selection of parachute jumpers] Voen. san. delo, 1938, No. 2, 57.—**Pozner, H.** Parachutists. J. R. Army M. Corps, 1946, 86: 208–17.

PARACOCCIDIOIDOSIS.

See **Protozoonosis.**

PARACOLON bacillus.

See also **Intestine,** Bacterial flora.

Simazu, T. Paracoli-kinsyu ni kan-suru kenkyū [Studies in paracolon bacilli] [65]p. 25cm. Tōkyō, 1936.
Gun idan zassi, 1936, 595; 771.

Michael, M., jr, & Harris, V. T. Paracolon bacilli; a study of 53 isolated strains, with a note on pathogenicity. War Med., Chic., 1945, 7: 108–15.

PARADENTOSIS.

See also **Dentistry; Periodontium; Tooth disease.**

Abrahams, A. A striking case of oral sepis. J. R. Army M. Corps, 1915, 25: 571.—**Burke, J. J.** Pyorrhea alveolaris. U. S. Veterans Bur. M. Bull., 1927, 3: 59–63.—**Caballol, F.** Estudio sobre las clasificaciones de las paradentopatías. Rev. san. mil., Habana, 1942, 6: 252.—**De Lucia, R.** La piorrea alveolare alla luce delle moderne interpretazioni etiopatogenetiche. Gior. med. mil., 1935, 73: 165–8.—**Gingival** tissue reattachment in pyorrhea alveolaris. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 36.—**Mosher, D.** The significance of pyorrhea in its relationship to systemic disease. Mil. Surgeon, 1942, 90: 428–31.—**Muntz, J. A., & Hill, T. J.** Salivary ammonia and dental caries and parodontosis. Q. Project Summary Off. Nav. Res., 1948, July, 427.—**Peluffo, L. A.** La piorrea alveolar. Rev. san. mil., B. Air., 1928, 27: pt 2, 103–20.—**Reichenbach, E.** Paradentopathies with the front line troops. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 403–7. —— & **Gey, H. M.** Erfahrungen mit einer Paradentose-Begutachtungs- und -Behandlungsstelle im Felde; Erfahrungen aus dem Einsatz an der Ostfront III. Deut. Militärarzt, 1943, 8: 134–7.—**Schröder, O.** Paradentose und Wehrdienst. In: Weski Festschr., Berl., 1939, 61–4.—**Springer.** Reichsarbeitsdienst und Paradentose. Ibid., 69–72.—**Weski.** Gingivitis and paradentosis. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 403; Disc., 404–7.

—— Treatment.

Restarski, J. S., & Bradley, J. L. Micraform sulfathiazole as an aid in the treatment of paradentosis (pyorrhea alveolaris) 5p. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–220, U. S. Nav. M. Res. Inst.

Allen, A. H. Report of twenty-eight cases of pyorrhea alveolaris treated with emetin hydrochlorid. U. S. Nav. M. Bull., 1915, 9: 440.—**Barker, D.** New treatment and cure of pyorrhoea. J. R. Nav. M. Serv., 1937, 23: 340.—**Bradley, J. L., & Ratcliff, P. A.** Treatment of marginal paradentosis in Naval personnel. U. S. Nav. M. Bull., 1944, 43: 720–8.—**Buchin, I.** Drugs in treatment of periodontal disease. Bull. U. S. Army M. Dep., 1945, 4: 209–14.—**Frates, F. E.** The use of ozone in the treatment of parodontosis. Mil. Surgeon, 1938, 82: 504–11.—**Handloser.** Erfahrungen und Ergebnisse des Paradentoseheilverfahrens in der deutschen Wehrmacht. Tandlaegebladet, 1937, 41: 512–5. —— Zwölf Jahre Paradentosebehandlung in der Wehrmacht. In: Weski Festschr., Berl., 1939, 46–56.—**Haubenreisser.** Die Einführung der Paradentosebehandlung in der Reichswehr. Ibid., 57–60.—**Held,**

A. J. Le traitement des paradentoses dans l'armée. Schweiz. Mschr. Zahnh., 1941, 51: 839–46.—**Holland, W. C.** Surgical treatment of pyorrhea. U. S. Veterans Bur. M. Bull., 1928, 4: 863.—**Kettner, E. C.** The surgical treatment of pyorrhea alveolaris. Ibid., 1930, 6: 877–9.—**Mitchell, J.** Alveolectomy prosthesis. Med. Bull. Veterans Admin., 1937–38, 14: 270–2.—**Restarski, J. S., & Bradley, J. L.** Evaluation of micraform sulfathiazole in the treatment of paradentosis (pyorrhea alveolaris) U. S. Nav. M. Bull., 1944, 43: 59–62.—**Treu, H.** Die Paradentose und ihre Bedeutung für die Reichsmarine. Veröff. Marine San., 1934, H. 25, 75–104.—**Vincent, H. B.** Mercuric cyanide in treatment of periodontal disease. U. S. Nav. M. Bull., 1946, 45: 265–8.—**Weski, O.** Die Paradentosebehandlung in der Wehrmacht. Med. Welt, 1935, 9: 1589–91.

PARADYSENTERY.

See under **Dysentery**, Bacteriology.

PARAFFIN.

See also **Burns**, Treatment; **Fracture**, Treatment: Methods; **Prosthesis.**

Denis. La paraffine thérapie en médecine vétérinaire. Rev. vét. mil., Par., 1938, 22: 339–44.—**Ehrlich, C.** Zur Frage der subkutanen Paraffinprothesen. Veröff. Mil.-San., 1906, H. 35, 261–74.—**Gerasimovich, A. A.** [Paraffin therapy of war and peacetime traumata] Feldsher, Moskva, 1944, No. 6, 29–32.—**Stephens, H. E. R.** An electric heater for the ambrine spray. J. R. Nav. M. Serv., 1917, 3: 488.

—— Paraffinoma.

Berdjaev, A. F. Po povodu dvukh parafinom. Voen. med. J., S. Peterb., 1913, 238: Med. spec. pt, 549–52.—**Businco, A., & Bayon, E.** Su gli oleoscleromi (elaiomi) con speciale riguardo ai lipovaccinici. Gior. med. mil., 1928, 76: 173–88.—**Granat, B. S.** [Paraffin swellings in Army medical practice] Voen. med. J., Moskva, 1931, 2: 96–8.—**Sarap, A. M.** K voprosu o parafinovykh opukholjakh. Voen. med. J., S. Peterb., 1913, 236: Med. spec. pt, 568–81.

PARAGONIMUS.

Miller, J. J., & Wilbur, D. L. Paragonimiasis (endemic hemoptysis) U. S. Nav. M. Bull., 1944, 42: 108–17.—**Woolley, E. J. S.** A case of paragonimiasis. J. R. Nav. M. Serv., 1941, 27: 297.

PARAGUAY.

See **Hospital report; Tuberculosis.**

PARAGUAY-BOLIVIA War (Chaco, 1932–1935)

See under **Wars and campaigns.**

PARAGUAY-URUGUAY War [1865]

See under **Wars and campaigns.**

PARAKERATOSIS.

See under **Skin.**

PARALYSIS.

See also **Diphtheria**, Pathology; **Facial nerve; Nerve injury**, Prognosis and sequelae; **Neurosis; Neurosurgery**, Methods; **Ophthalmoplegia; Paraplegia; War neurosis.**

Accardi, A. Sindromi paralisiformi. Gior. med. mil., 1941, 89: 522–32.—**Bennecke, K.** Die Paralyse im Unteroffizierstand. Mschr. Psychiat., 1907, 22: Ergh., 5–13.—**Boveri, P.** Ancora sulle paralisi traumatiche di origine riflessa. Gior. med. mil., 1917, 65: 300.—**Emdin, P.** Paralići, parezy. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 318–23.—**Lyrio Teixeira, N.** Notas sobre algumas paralysias a frigore communs no vale do Parahyba. Rev. med. mil., Rio, 1935, 24: 347–63.—**Stefani, S.** Emiplegia da siero con afasia in soldato ferito agli arti. Gior. med. mil., 1943, 91: 438–44.—**Tobia, A.** Brevi considerazioni sulle paralisi e contratture ed ipertonie muscolari nel riguardi della pratica medico-legale militare. Med. prat., Nap., 1918, 3: 149–52. ——— Sulla valutazione medico-legale di alcune paralisi, contratture ed ipertonie muscolari. Atti Congr. internaz. med. farm. mil., 1923, 2. Congr., 256.

—— familial spastic.

Alfano, V. Sulla paraplegia spastica con contrattura in flessione. Ann. med. nav., Roma, 1937, 43: pt 1, 311–7.—**King, H. N.** Familial spastic paralysis. Med. Bull. Veterans Admin., 1941–42, 18: 332.—**Olascoaga, M. L.** Paraplejia espasmódica familiar o enfermedad de Strumpell-Lorrain. Rev. san. mil., B. Air., 1946, 45: 1391–4.

—— Landry type.

See under **Myelitis.**

—— periodic.

Johnson, J. W., jr. Family periodic paralysis; report of father and son in World War I and II; an abstract. Med. Bull. Medit. Theater U. S., 1945, 3: 16–9. Also War Med., 1945, 8: 382–5.—**Petrð, C.** Contributo alla conoscenza della paralisi periodica; studio do clinica e di medicina legale militare. Riv. neur., Nap., 1942, 15: 140–53.

—— Surgery.

See also **Neurosurgery**, Methods.

Arnaud, M. Etude des paralysies sensitivo-motrices des membres par traumatismes de guerre; considérations sur 81 cas opérés. Méd. trop., Marseille, 1948, 8: 155–79.—**Billig, H. E., jr, & Van Harreveld, A.** A new aspect of muscle reinnervation; a preliminary report. U. S. Nav. M. Bull., 1943, 41: 410–4.—**Gebhardt & Koester, J.** Plastic operations in case of nerve paralysis. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 63.—**Rauenbusch, L.** El tratamiento quirúrgico-ortopédico de las paralisis. Bol. san. mil., B. Air., 1909, 18: 183–95.—**Ricca, S.** Il problema clinico-chirurgico delle lesioni da guerra dei nervi periferici a tipo paralitico. Cron. clin. med. Genova, 1918, 24: 77–9.

—— Treatment and rehabilitation.

See also **Nerve injury**, Treatment; **Paraplegia.**

Brace (A) for flexor paralysis at the elbow. Bull. U. S. Army M. Dep., 1946, 5: 378.—**Collie, J.** The paralysed pensioner. Reveille, Lond., 1918, 1: 225–30.—**Harper, H. A.** The nutritional aspects of the care of the paralyzed patient. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 56–64. Also Bull. U. S. Army M. Dep., 1946, 5: 63–7.—**Kratz, J. A.** Re-education of the war wounded. In: Rehabil. War Injured (Doherty, W. D., & Runes, D. D.) N. Y., 1943, 530–40.—**Lange, F.** Die Behandlung der Lähmungen. In: Taschenb. d. Feldarzt., Münch., 1915, 3. T., 137–48, illust.—**Munro, D.** Rehabilitation of veterans paralyzed as the result of injury to the spinal cord and cauda equina. Am. J. Surg., 1948, 75: 3–18.—**Poer, D. L.** Daily care of the paralyzed patient. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 82–4.—**Schonfeld, W. A.** Apparatus for producing interrupted galvanic current for the treatment of denervated muscles. Bull. U. S. Army M. Dep., 1946, 6: 625–7.—**Splint** for complete median and ulnar nerve paralysis. Ibid., 1944, No. 74, 23.

—— in animals.

Brocq-Rousseu, Forgeot & Urbain, A. Recherches sur la paraplégie infectieuse du cheval. Rev. vét. mil., Par., 1924, 8: 405–12.—**Cech, K.** [Enzootic spinal paralysis of horses] Voj. zdrav. listy, 1925, 1: 68–71.—**Hlavatý, A.** [Enzootic cerebrospinal paralysis in horses] Ibid., 1933, 9: 6–18.—**Kingston, J. S.** A peculiar form of equine paralysis. J. R. Army Vet. Corps, 1947–48, 19: 43–5.—**Urbain, A., Cabret & Challiot, L.** Deux cas de paraplégie à allure infectieuse chez le cheval; étude bactériologique d'un bacille paratyphique B isolé d'un de ces cas. Rev. vét. mil., Par., 1928, 12: 250–4.

PARALYSIS agitans.

See also **Encephalitis.**

Beck, R. J. Parkinsonian states of infectious origin, with case reports. U. S. Veterans Bur. M. Bull., 1926, 2: 835–43.—**Coumel, Molinier & Pédoya.** Syndrome hépato-strié. Bull. Soc. méd. mil. fr., 1948, 42: 107.—**Davidenkov, S.** Parkinsonizm. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 352–4.—**Dénéchau, D.** Apparition subite d'un parkinsonisme après ensevelissement au cours d'un bombardement, chez un homme atteint 20 ans auparavant d'encéphalite léthargique. Rev. neur., Par., 1945, 77: 80.—**Fricke, F. J., & Ernest, F. J.** The use of rebellon in the Parkinsonian syndrome resulting from epidemic encephalitis. Med. Bull. Veterans Admin., 1940–41, 17: 377–9.—**Harris, R. L.** Paralysis agitans produced by syphilis of the central nervous system. Ibid., 1939–40, 16: 282–4.—**Jude, Fribourg-Blanc & Augagneur.** Traitement de la rigidité parkinsonienne par la stramoine. Bull. Soc. méd. mil. fr., 1925, 19: 87–90.—**Noica, D., & Lupulescu, I.** [Latent muscular, extrapyramidal rigidity, caused by defects in the tonus of the diencephalo-mesencephalic centers] Rev. san. mil., Bucur., 1934, 33: 720–4.—**Oliver, W. A.** The recognition of early parkinsonism. U. S. Nav. M. Bull., 1943, 41: 111–4.—**Perrier, S.** Traumi e sindromi parkinsoniane. Gior. med. mil., 1933, 81: 339–46.

PARALYSIS progressiva.

See under **Neurosyphilis**, General paralysis.

PARANASAL sinus.

See **Nasal sinus.**

PARANITROPHENOL.

See **Nitrophenol.**

PARANOIA.

See under **Psychosis; War psychosis.**

PARAPLEGIA.

See also **Osteitis; Paralysis; Spine,** Injury.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–110: Equipment for paraplegic patients [1] p. 27cm. Wash., 1948.

Botterell, E. H., Jousse, A. T. [et al.] Paraplegia following war. Canad. M. Ass. J., 1946, **55**: 249–59. Also Cincinnati J. M., 1946, **27**: 595–623.—**Ginzberg, E., & Klarman, H.** The paraplegic. Bull. U. S. Army M. Dep., 1947, **7**: 892–7.—**Jousse, A. T., & Botterell, E. H.** Paraplegia. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 6, 60–4.—**Kennedy.** A case of functional (?) paraplegia. J. R. Army M. Corps, 1909, **12**: 64.—**Mello, G. de.** Um caso de paraplegia dos caixões. Rev. med. hyg. mil., Rio, 1925, **14**: 281–8.—**Mendonça, A. A. de.** Um caso de paraplegia diabética; considerações sobre esta entidade mórbida. Arq. brasil. med. nav., 1941, **2**: 666–86.—**Musumarra, N.** Su un raro caso di paraplegia traumatica tardiva ad insorgenza apoplettiforme. Gior. med. mil., 1933, **81**: 33–44.—**Phylactos, A., & Kouretas, D.** Un cas de paraplégie au cours d'une granulie froide. Bull. Soc. méd. mil. fr., 1938, **32**: 37–41.—**Soldier** speaks; points about paraplegia. Bull. Army M. Dep., Lond., 1944, No. 33, 10–2.—**Ward, W. C.** Para-articular calcification in lower extremities of paraplegic patients. Bull. U. S. Army M. Dep., 1946, **6**: 771–6.—**Weber, F. P.** Post-epileptic temporary paraplegia; a house physician's case 50 years ago. S. Barth. Hosp. War Ed., Lond., 1942–43, **4**: 24.

—— Care and rehabilitation.

See also **Paraplegic center.**

Fribourg-Blanc. La récupération fonctionnelle des paraplégiques. Bull. Soc. méd. mil. fr., 1928, **22**: 57.—**Gingras, G.** Rehabilitation of the paraplegic patient. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 2, 5–17.—**Govalt, D. A.** Medical rehabilitation for paraplegia veterans. Handicap, Wash., 1947, **1**: No. 2, 4.—**Green, P.** Rehabilitation of the paraplegic veteran. Canad. Nurse, 1947, **43**: 431.—**Hardy, G. E.** Occupational therapy in the rehabilitation of paraplegics. Treatm. Serv. Bull., Ottawa, 1950, **5**: 112–6.—**Heller, E. B.** Co-operative planning for the paraplegic veteran. J. Social Casework, 1948, **29**: 66–9.—**Kidwell, C. E.** An analysis of the vocational rehabilitation of paraplegic veterans. Occup. Ther. Rehabil., 1949, **28**: 423–34.—**Nourse, M. H., & Bumpus, H. C.** Care of the paraplegic's urinary tract. U. S. Nav. M. Bull., 1946, **46**: 1053–6.—**Petrie, D. G.** The readjustment of paraplegics to family and society. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 10, 34–45.—**Progress** in the care of paraplegics. Bull. U. S. Army M. Dep., 1946, **5**: 491.

—— Treatment.

See also next heading.

Advances in the treatment of paraplegics. U. S. Nav. M. Bull., 1948, **48**: 95.—**First-aid** and early treatment in traumatic paraplegia. Bull. War. M., Lond., 1943–44, **4**: 431.—**Gingras, G.** Penicillin assay in cases of paraplegic patients. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 9, 52–4. ——— Preliminary report on intrathecal alcohol injections in cases of paraplegia. Ibid., 1948, **3**: No. 2, 56–68.—**Luque, F.** Paraplegia consecutiva á herida por arma de fuego curada por craniectomia. Rev. san. mil., Madr., 1912, 3. sér., **2**: 538–44.—**Traumatic** paraplegia; first-aid and early treatment. Bull. Army M. Dep., Lond., 1944, Suppl., No. 13, 1–4.—**Zanello, D.** Considerazioni su di un caso di paraplegia dolorosa per lesione della cauda equina, conseguente a ferita da scheggia di granata, con raro reperto radiografico; laminectomia. Gior. med. mil., 1942, **90**: 618.

PARAPLEGIC center.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–22: Designated paraplegic centers [1]p. 27cm. Wash., 1947.

Botterell, E. H., & Jousse, A. T. The results of treatment of paraplegics and the future of paraplegic centres. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 2, 11–8.—**Freeman, L. W.** An ideal hospital for paraplegic patients. Mil. Surgeon, 1948, **103**: 219–26.

PARAPSORIASIS.

See under **Skin.**

PARASITE.

See also **Parasitology;** also names of pathogenic parasites.

UNITED STATES. ARMY AIR FORCES. ARCTIC DESERT AND TROPIC BRANCH. Intestinal and other parasites. 10p. 27cm. Orlando, 1944.

Forms Pt 8, Notes Trop. Dis. Arctic Desert Trop. Br. U. S. A. A. F.

Bedbugs and cockroaches. Army M. Bull., 1937, No. 39, 87–96.—**Onodera, T.** Syosyu kiseityū-ran kensyutu-hō hikaku koto ni kurusii kan siyo-sitaru baai no yūretu ni tuite [Relative circumstances under which acid perspiration is used in differentiation of various kinds of parasitic insect eggs] Gun idan zassi, 1929, 779–87, tab.

—— Control.

See **Pest control.**

PARASITOLOGIST.

Meleney, H. E. The role of parasitologists in World War II. J. Parasit., Lanc., 1943, **29**: 1–7. ——— War-time activities of members of the American Society of Parasitologists. Ibid., 1944, **30**: 195.

PARASITOLOGY.

See also such terms as **Bacteriology; Helminthology; Mycology; Protozoology,** etc.

UNITED STATES. ARMY. ENLISTED TECHNICIAN'S SCHOOL. Parasitology syllabus. 102p. 27cm. S. Franc., 1944.

UNITED STATES. WAR DEPARTMENT. OFFICE OF THE SURGEON GENERAL. Photomicrographs of Spirochetae, Entamebae, Plasmodia, Trypanosomes, Leishmania, Negri bodies, and parasitic helminths. 46p. 8° Wash., 1913.

Burlingame, P. L. Parasitologic laboratory of a redistribution station. Air Surgeon Bull., 1945, **2**: 110.—**Distributing** center for parasitological specimens. Bull. U. S. Army M. Dep., 1946, **5**: 506.—**Muñoz Cortázar, E.** Importancia de la parasitología en los problemas de la higiene. Rev. san. mil., Madr., 1934, **24**: 227–30.—**Parasitology** and entomology. Med. Bull. U. S. First Army, 1950, **5**: No. 3, 7–11.—**Pavlovsky, E. N.** [Contemporary parasitology and its relation to internal medicine] Voen. med. J., Moskva, 1930, **1**: 5–10.

PARASITOSIS.

See also **Fecal matter,** Examination; also under specific names of parasitic disease.

MOST, H. Clinical aspects and treatment of the more common intestinal parasites of man. 14p. 27cm. Wash., 1947.

Forms Techn. Bull. TB 10–33, U. S. Veterans Admin.

STUNKARD, H. W., COGGESHALL, L. T. [et al.] Parasitic diseases and American participation in the war. p.189–261. 24cm. N. Y., 1943.

Cowling, R. H. A case of traumatic perforation of the bowel. J. R. Nav. M. Serv., 1947, **33**: 225.—**Deschiens, R.** Considérations épidémiologiques et prophylactiques sur les infestations parasitaires de l'appareil digestif aux armées. Paris méd., 1940, **30**: 283–7.—**Dias da Costa, M.** Contribuição para o estudo da parasitose intestinal e apendicite vermicular. Bol. Dir. serv. saúde mil., 1945, **8**: 142–78.—**Dlugosz, H.** [Some cases of intestinal parasites rarely met in moderate climates and good hygienic conditions] Lek. wojsk., 1945, **36**: 159–68.—**Kosaki, I.** Tugi nettai kikō no eikyō ni okeru kiseityū hoyū-sya no ketueki-kei no henka ni tuite [The influence of tropical climates on blood morphology variation of persons with parasitic infections] Gun idan zassi, 1929, 993–1029, tab.—**Lapage, G.** Parasites and war. Mil. Surgeon, 1945, **97**: 23–9.—**Mackie, T. T.** Clinical features of parasitic diseases and their consideration in military and naval operations. Ann. N. York Acad. Sc., 1943–44, **44**: 251–61.—**Nelson, T. C.** Some parasitic diseases confronting our troops and civilians. Pub. Health News, Trenton, 1942–43, **26**: 253–8.—**Oliveira y Silva, M.** Las parasitosis en el ejército. Rev. san. mil., Asunción, 1944, No. 140, 37–57.—**Olle, R. G., & Cambiaso, R. H.** Zooparasitosis intestinal y ojos. Rev. san. mil., B. Air., 1946, **45**: 1055–76.—**Rayski, C.** Biologia kilku schorzeń pasożytniczych. Lek. wojsk., 1945 **36**: 265–70.—**Rudnev, G.** Zoonozy (zoon) In: Encikl. slova voen. med., Moskva, 1946–48, **2**: 834.—**Russell, H. K., Eisenhower, E. W., & Roose, D. J.** The influence of combat on th incidence of intestinal parasites. U. S. Nav. M. Bull., 1946, **46**: 1716–8.—**Serodiagnosis** of parasitic diseases; approved 20 August 1945 in order to develop satisfactory serodiagnostic procedures for the identification of parasitic diseases. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 63; 1947, July,

89; 1948, Jan., 163.—**Takahara, B., Onoki, T.** [et al.] Tyō-kiseityū kuzyo ni kan-suru zikken-teki kenkyū [Experimental study on intestinal parasite extermination] Cun idan zassi, 1929, No. 191, 765–88, tab.

—— Survey.

HOWE, C. D., & MACDONALD, D. P. Stool survey; intestinal parasites in medical officers. [2] l. 27cm. Randolph Field, 1946.
Forms Rep. No. 1, Proj. No. 295, U. S. Air Force School Aviat. M.

Burhans, R. A. Filariasis in the Armed Forces. J. Urol., 1945, **54**: 59–61.—**Burlingame, P. L.** Survey of intestinal parasites. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, 2: No. 4, 18–31.—**Butler, C. S., & Garrison, P. E.** Notes on the parasites found at animal autopsies in the Navy Medical School laboratories during 1910. U. S. Nav. M. Bull., 1911, **5**: 159–62, pl.—**Herman, J. R.** Multiple infection with intestinal parasites on a naval vessel. Ibid., 1946, **46**: 281–4.—**Lawrence, R. L., & Hudgens, J. H.** Intestinal parasites in a prison population. Mil. Surgeon, 1949, **104**: 371–3.—**Lehman, C. L., & Moorman, R. B.** Intestinal parasitism in an infantry division. J. Mil. M. Pacific, 1945, **1**: No. 3, 91.—**MacCreary, D., & Bricker, A. G.** The incidence of intestinal parasites among civilians employed at certain Naval air bases. U. S. Nav. M. Bull., 1947, **47**: 926–9.—**Markell, E. K.** Intestinal parasitic infections in a Naval hospital in New Zealand. Ibid., 1945, **44**: 65–8.—**Perelli, C.** Sul risultato degli esami parassitologici di 627 campioni di feci effettuati nel primo semestre dell'anno 1941 nell'Ospedale militare di Genova. Gior. med. mil., 1942, **90**: 533–8.—**Russell, H. K., & Scott, J. O.** Intestinal parasites among Melanesians. U. S. Nav. M. Bull., 1945, **44**: 727.—**Sillman, E. I.** Stool survey of the Seventh Infantry Division. J. Mil. M. Pacific, 1946, 2: No. 4, 59–65.—**Williams, T. H.** Intestinal parasites in the Canadian Armed Forces. Canad. M. Ass. J., 1946, **54**: 249–52.—**Wilson, P. W.** Report of malaria and microfilaria survey of 11,000 laborers and 2,007 children in Haiti. U. S. Nav. M. Bull., 1929, **27**: 87–93.—**Zarrow, M., & Rifkin, H.** Intestinal parasites diagnosed at an Army general hospital in the South Pacific. Am. J. M. Sc., 1946, **212**: 289–93.

—— Veterans.

Glauser, F. Filariasis in returning marines. U. S. Nav. M. Bull., 1945, **44**: 21–6.—**Holmes, M. J.** Control of malaria and bilharziosis introduced into Australia by returned soldiers and sailors. Health, Melbourne, 1928, **6**: 70–5.—**Michael, P.** Intestinal parasitism; a statistical study on 1,000 patients recently returned from Pacific area duty. U. S. Nav. M. Bull., 1946, **46**: 1589–96.—**Survey** of intestinal parasites in soldiers being separated from service. Bull. U. S. Army M. Dep., 1946, **6**: 259–62.—**Tamiya, T.** Sina-zihen yori Dai-Tōa sen-ka no Tokyo-si ni okeru kisei-tyū no syōtyō ni tuite [Variations in the parasites in the city of Tokyo during the period of the fighting in Greater East Asia and from the war in China] Rinsyo keirin, 1943, **5**: 1–11.—**Wallace, F. G.** Parasite problems in veterans. Am. J. M. Techn., 1949, **15**: 30–4.—**Wartman, W. B.** Filariasis in American Armed Forces. Am. J. Path., 1946, **22**: 653.—**Wright, W. H.** Present and post-war health problems in connection with parasitic diseases. Science, 1944, **99**: 207–13.

—— in animals.

Descazeaux. Les plaies d'été. Rev. vét. mil., Par., 1935, **19**: 181–98.—**Houdemer, E.** Le problème de l'anémie vermineuse des équidés. Ibid., 409–41.

PARATHYROID.

Artamli, S. [On the parathyroid hormone] Askerî sıhhiye mecmuası, 1941, **70**: 79–86.—**Hanson, A. M.** An elementary chemical study of the parathyroid glands of cattle. Mil. Surgeon, 1923, **52**: 280; 434. ——— Notes on the hydrochloric X of the bovine parathyroid. Ibid., 434.—**Marañon.** Estado actual del problema del hiperparatiroidismo. Med. & cir. guerra, 1946, **8**: No. 17, 41.—**Peterson, L. J.** Hyperparathyroidism. Surg. Staff Semin. Minneapolis Vet. Hosp., 1946, **1**: 114–29.—**Sisto.** Malattie da lesioni delle paratiroidi. Gior. med. mil., 1933, **81**: 1020–5.—**Zagarese, F.** Come deve essere impostato il problema dell'osteosi paratiroidea e delle altre sindromi attribuite all'iperparatiroidismo. Ann. med. nav., Roma, 1934, **40**: pt 1, 277–91.

PARATROOPER.

See **Parachute troops; Parachutist.**

PARATROOPER headgear.

See under **Helmet.**

PARATYPHOID fever.

See with **Salmonellasis; Typhoid fever;** also **Morbidity; World War I.**

PARKINSONISM.

See **Paralysis agitans.**

PARONYCHIA.

See also **Nail.**

Levittoux, H. [Treatment of panaris in military hospitals] Lek. wojsk., 1934, **24**: 343–50.—**Lovejoy, J. F.** Bone felon. U. S. Nav. M. Bull., 1946, **46**: 1465.—**McLaughlin, C. W., jr.** Plaster fixation; a postoperative dressing for felon. Ibid., 1945, **45**: 971–3.—**Merz.** Traitement des panaris pulpaires. Bull. Serv. san., Par., 1944, 2: No. 3, éd. spéc., 1–3.—**Mignot & Scarbonchi.** A propos d'un faux panaris. Bull. Soc. méd. mil. fr., 1949, **43**: 26.—**Roca, C. A., & Antelo, J. N.** Tratamiento de los panadizos; directivas. Rev. san. mil., B. Air., 1944, **43**: 147–9.—**Soroko, N. K.** [Treatment of panaritium] Tr. Acad. mil. méd. Kiroff, 1935, **2**: 144–70.

PAROTID.

See also **Parotitis epidemica.**

Asis, N. Quiste hidático de la parótida. Rev. san. mil., B. Air., 1946, **45**: 1226–31.—**Cole, P. P.** Fistula of the parotid in war wounds of the face and jaws. Lancet, Lond., 1919, **1**: 971.—**Dàhi Oke** [Case of sweating, limited to the parotid region and its relation to the function of the parotid gland] Askerî sıhhiye mecmuası, 1939, **68**: No. 27, 27–9. ——— [Fistula of Steno's duct] Ibid., 1940, **69**: 9–11.—**Henderson, R. C.** Cystadenoma lymphomatosum. Med. Bull. Veterans Admin., 1941–42, **18**: 434.—**Hines, R. E.** Papillary cystadenoma lymphomatosum. Ibid., 210.—**Munaret, J.** Kyste hydatique de la parotide. Bull. Soc. méd. mil. fr., 1935, **29**: 147–9.—**Shaar, C. M.** Preservation of the facial nerve in the excision of parotid tumors; report of two cases. U. S. Nav. M. Bull., 1929, **27**: 351–60, pl.—**Solcard.** Extirpation totale de la parotide avec conservation des rameaux supérieurs du facial dans un cas de tumeur bénigne récidivante. Arch. méd. pharm. nav., 1939, **129**: 130–5.—**Trapani, P.** Un caso di occlusione del dotto di Stenone; considerazioni cliniche. Ann. med. nav., Roma, 1907, **1**: 190–6.—**Woodforde, G.** A case of parotid tumour. J. R. Army M. Corps, 1922, **39**: 134–7.

PAROTITIS.

See also under **Morbidity.**

Moszkowicz, L. Beobachtung einer sympathischen parotitis nach Schussverletzung. Militärarzt, 1915, **49**: 125–7.—**Stoian, C., & Popescu, N. G.** [Contribution to the study of post-operative parotitis] Rev. san. mil., Bucur., 1934, **33**: 26–33.

PAROTITIS epidemica.

Syn.: Mumps.

UNITED STATES. ARMED FORCES EPIDEMIOLOGICAL BOARD. COMMISSION ON MEASLES AND MUMPS. Report. Wash., 1943/44–

Alegria Garza, P. La fiebre urliana. Mem. Convenc. méd. mil. mex., 1936, 247–50.—**Brousses.** Epidémie d'oreillons et orchite ourlienne chez l'enfant et l'adolescent. Bull. Soc. méd. mil. fr., 1938, **32**: 499.—**Bruni, N.** La parotite epidemica nell'esercito. Gior. med. mil., 1929, **77**: 349–53.—**Cejtlin, B.** Przypadek dwukrotnego zapalenia przyusznic nagminnego. Lek. wojsk., 1929, **13**: 21–3, ch.—**Eagles, A. Y.** An unusual case of mumps without parotitis. Bull. U. S. Army M. Dep., 1946, **5**: 598–601.—**Enders** [et al.] Immunity in mumps. Bumed News Lett., Wash., 1944, **4**: No. 10, 10.—**Gleitsmann, H.** Parotitis epidemica. In: Kriegssan. Ber. Deut. Marine, Berl., 1935, **3**: 255–74.—**Gordon, J. E.** Mumps. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 4, 21–3.—**Haerem, A. T.** Observations on mumps in soldiers. Mil. Surgeon, 1945, **97**: 33–9.—**Hoge, S. F.** A research study of mumps. J. Arkansas M. Soc., 1922, **18**: 190–6.—**Lambert, B.** Några synpunkter på den epidemiska parotitens militärmedicinska betydelse och utbredning. Tskr. mil. hälsov., 1947, **72**: 259–67.—**MacDonald, D. G. H.** Observations during an epidemic of mumps. J. Canad. M. Serv., 1944–45, **2**: 156–8.—**Maciel, H.** O líquido céfalo-raquiano na parotidite epidêmica. Arq. brasil. med. nav., 1941, **2**: 177–83. ——— Hematologia da parotidite epidêmica. Ibid., 185–99.—**Michie, H. C.** Mumps. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 451–62.—**Mirone, G., & Reitani, U.** Contributo allo studio sull'eziologia della parotite epidemica. Ann. med. nav., Roma, 1929, **35**: pt 1, 208–11.—**Paes de Oliveira, P.** Parotidite epidêmica no meio militar. Hospital, Rio, 1948, **33**: 759–62.—**Parsons, H. H.** Eosinophilic bodies in the blood of mumps. Mil. Surgeon, 1938, **83**: 541–3.—**Sonea, O.** Parotidita epidemică este o boală anergisantă? Rev. san. mil., Bucur., 1937, **36**: 647–50.—**Valatz, A.** A propos de deux cas d'oreillons. Bull. Soc. méd. mil. fr., 1935, **29**: 121.

—— Complication.

Barondes, R. de R. Mumps and some unusual complications and possible factors depressing immunity of recently inducted troops. Mil. Surgeon, 1949, **105**: 12–9.—**Bejarano,**

J. F. R. Sublingualitis y otras localizaciones y complicaciones de la parotiditis epidémica. Rev. san. mil., B. Air., 1943, 42: 56–8.—**Bercher & Zoeller.** Les oreillons sous-maxillaires. Bull. Soc. méd. mil. fr., 1927, 21: 141–8.—**Candel, S., Wheelock, M. C.** [et al.] Erythrocyte sedimentation rate in mumps and its complications. U. S. Nav. M. Bull., 1944, 42: 571–7.—**Gallac, H. F., & Cataldi, L.** Pancreatitis urliana. Rev. san. mil., B. Air., 1936, 35: 327–31.—**Iribarren, L. A.** Complicaciones oculares de la parotiditis epidémica. Ibid., 1935, 34: 459–62.—**Rebierre.** Oreillon sub-lingual; oedème considérable de la langue et de la région sus-hyoïdienne. Bull. Soc. méd. mil. fr., 1913, 7: 356.—**Weskamp, R. L., & Bocalandro, C. A.** Complicaciones oculares de la infección urliana. Rev. san. mil., B. Air., 1939, 38: 45–54.

—— Complication, neural.

Bachman, K. P. Primary mumps meningo-encephalitis; review of literature and report of a case. U. S. Nav. M. Bull., 1948, 48: 854–64.—**Bruce, T.** [Meningitis with parotitis epidemica] Tskr. mil. hälsov., 1941, 66: 59–65.—**Bujwid, M.** [Serous meningitis in mumps] Lek. wojsk., 1932, 19: 715–32.—**Candel, S., Wheelock, M. C.** [et al.] Mumps meningitis. U. S. Nav. M. Bull., 1944, 42: 861–70.—**Carleton, W. T.** Mumps encephalitis; report of 3 cases. Ibid., 1943, 41: 1401–4.—**Dizac & Valatz, A.** Sur un cas de méningite ourlienne. Bull. Soc. méd. mil. fr., 1936, 30: 414–6.—**Dutrey, M. D.** Aspect neurologique des oreillons. Rev. Serv. san. mil., Par., 1936, 105: 25–50.—**Gasser, R. R.** Mumps with prodromata of meningo-encephalitis. U. S. Nav. M. Bull., 1935, 33: 524.—**Gedda, E.** [Case of parotitic meningitis] Tskr. mil. hälsov., 1931, 56: 99–105.—**Kirkland, H. B., & Brown, J. W.** Mumps complicated by meningo-encephalitis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 9, 9.—**Nordwall, U.** [Complications in the central nervous system in epidemic parotitis] Tskr. mil. hälsov., 1933, 58: 124–33.—**Paolillo, S.** Meningiti sierose e parotite epidemica. Gior. med. mil., 1934, 82: 351–60.—**Silwer, H.** [Meningitis with epidemic parotitis] Tskr. mil. hälsov., 1936, 61: 244–58, 3ch.—**Steinberg, C. L.** Mumps meningo-encephalitis. U. S. Nav. M. Bull., 1944, 42: 567–70.—**Urdareanu, C.** La méningite ourlienne. Caducée, Par., 1912, 12: 103.—**Vennat, H.** Contribution à l'étude de la méningite ourlienne. Arch. méd. pharm. mil., 1908, 51: 143–7.

—— Complication: Orchitis.

Bonnette, P. Mort subite au cours d'une orchite ourlienne. Arch. méd. pharm. mil., 1907, 49: 60–2.—**Candel, S., Wheelock, M. C., & Grimaldi, G. J.** Mumps orchitis; with a discussion of plasma prophylaxis. U. S. Nav. M. Bull., 1945, 45: 97–107.—**Chevat, H., & Bloch, L.** A propos d'une complication peu fréquente des oreillons; un cas de gynécomastie unilatérale post-orchitique. Bull. Soc. méd. mil. fr., 1948, 42: 113.—**Finn, H. G., & Palmberg, K. J.** Surgical treatment of severe mumps orchitis. U. S. Nav. M. Bull., 1944, 42: 1388–90.—**Huie, R. E.,** jr. Mumps orchitis treated with reactivated pooled plasma; report of five cases. Ibid., 1948, 48: 897–900.—**Lacal, F.** Tratamiento quirúrgico de la orquitis urliana; prevención de la atrofia testicular. Rev. san. mil. argent., 1947, 46: 363–7.—**Nixon, N., & Lewis, D. B.** Mumps orchitis; surgical treatment. Air Surgeon Bull., 1945, 2: 152–4.—**Rambar, A. C.** Pooled plasma treatment of mumps orchitis. U. S. Nav. M. Bull., 1944, 42: 871–3.—**Smith, R. G.** Plasma treatment of mumps orchitis; report of 5 cases. Ibid., 1945, 44: 159.

—— Incidence.

Epidemic parotitis (mumps) Rep. U. S. Surg. Gen. Navy, 1907–08, 52.—**Herson, R. N., Christopoulos, G. P., & Coghill, N. F.** Mumps in Cypriot troops. J. R. Army M. Corps, 1944, 83: 107–18.—**Kacarević, D. Z.** [Epidemic of parotitis in an engineer regiment] Voj. san. glasnik, 1940, 11: 569–78.—**Kjun, F.** Nebolšaja epidemija zaušnicy v kazarmakh Tretej polevoj artillerijskoj brigady; osloźnenija eja orkhitom. Voen. med. J., S. Peterb., 1892, 174: Unoffic. pt, 1. sect., 273–9.—**McGuinness, A. C., & Gall, E. A.** Mumps at Army camps in 1943. War Med., Chic., 1944, 5: 95–104.—**Mumps** in continental United States. Statist. Navy M., 1947, 3: No. 7, 23.—**Selsø, S.** Parotitis epidemica-epidemien vinteren 1941–42; undersøgelser over saenkingsreaktion og hormonudskillelse ved kompliceret og ukompliceret parotitis epidemica hos soldater. Militaerlaegen, 1943, 49: 15–26.—**Tarnovsky, G.** [Epidemic of mumps in a military infirmary] Voj. san. glasnik, 1940, 11: 625–55.—**Weigert.** Epidémie d'oreillons au 13e régiment de chasseurs à cheval, de février à juin 1915. Lyon méd. 1916, 125: 165.

—— Treatment.

Bailey, W. H., & Haerem, A. T. Some observations on the efficacy of convalescent mumps serum. Mil. Surgeon, 1942, 90: 134–9.—**Bejarano, J. F. R.** Suero de convaleciente en la parotiditis epidémica. Rev. san. mil., B. Air., 1941, 40: 584; 726.—**Cornejo Arias, J.** Parotiditis epidémica y rhodanato de potasio. Ibid., 1942. 41: 813–5.—**Criscuolo, E.** Estudio sobre la seroprofilaxis antiparotídea. Ibid., 1941, 40: 806–12.—**Cunha, I. A. da.** Tratamento da parotidite epidêmica. Arq. brasil. med. nav., 1946, 7: 993–9, 2 ch.—**McGuinness, A. C.** [Immunization against mumps] Annual Rep. Com. Immuniz. U. S. Army, 1949, 35–8.—**Márquez Escobedo, M. B.** Profilaxis de la parotiditis infecciosa. Bol. san. mil., Méx., 1948, 1: 180.—**Odenius, R.** [Attempt at immunization against mumps in the Royal Norrland Regiment, 1926] Tskr. mil. hälsov., 1926, 51: 177–9.—**Potter, H. W., & Bronstein, L. H.** Some clinical characteristics of mumps, and the effect of belladonna in treatment; a study made at the station hospital, Fort Meade, Maryland. Ann. Int. M., 1944, 21: 469–74.—**Teixeira, N. L.** Tratamento da parotidite epidêmica pela injeção de sangue dos convalescentes. Rev. med. mil., Rio, 1942, 31: 312–4.—**Vásquez A., A.** Seroprofilaxis de la parotiditis epidémica con suero de convaleciente. Congr. med. cir. nav. mil. Chile, 1. Congr., 1929, 675–8.—**Wesselhoeft, C., & Walcott, C. F.** Mumps as a military disease and its control. War Med., Chic., 1942, 2: 213–22.—**Zollo, M.** Contributo pratico al nuovo trattamento della parotite epidemica e delle sue complicazioni con il butirrato di n. esile con bismuto. Gior. med. mil., 1949, 96: 96–100.

PAROXYSMAL tachycardia.

See under **Heart**, Tachycardia.

PARSNIP poisoning.

See under **Dermatitis.**

PARTHENIUM.

See under **Poison**, plant.

PATELLA.

See also **Fracture**—by site: Patella; also **Knee.**

Cusack, T. S. Open reduction of patellar dislocation. U. S. Veterans Bur. M. Bull., 1930, 6: 888.—**Horwitz, T., & Lambert, R. G.** Patellectomy in the military service; a report of 19 cases. Surg. Gyn. Obst., 1946, 82: 423–6.—**Montagard.** Absence congénitale des rotules associée à d'autres malformations osseuses et à une dystrophie des ongles. Bull. Soc. méd. mil. fr., 1945, 39: 222–2.—**Paitre & Bruas.** A propos d'un cas de luxation verticale externe de la rotule. Ibid., 1924, 18: 2–5.—**Solduga.** Un nuevo método de circunvalación de la rótula. Rev. san. mil., Madr., 1911, 3. ser., 1: 451–4.

—— bipartite.

Callahan, J. J. Interesting notes on bipartite patellae. U. S. Nav. M. Bull., 1948, 48: 229–33.—**Geissendörfer, H.** Die Bedeutung der geteilten Kniescheibe für den Truppenarzt. Deut. Militärarzt, 1943, 8: 286–90.—**Girardi, G., & Picchio, C.** Rotula bipartita congenita od esito di trauma? Gior. med. mil., 1936, 84: 674–9.—**Kimura, Y., & Niinomi, Y.** Patella partita no iti rei [Ein Fall von Patella partita] Kaigun gun-ikai zassi, 1937, 26: 845–7, pl.

PATELLAR reflex.

See **Vibration.**

PATHOGENESIS.

See as subdivision under such terms as **Air-sickness; Cold injury; Neurosis; Oxygen poisoning; Peptic ulcer; Psychosis; War neurosis** (and subheadings) **War psychosis.**

PATHOLOGIST.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 208/19: Packordnung der Ausrüstung für Pathologen, vom 1. Juni 1939. 15p. 21cm. Berl., 1939.

Fishback, H. R. The pathologist's function in a world at war. Proc. Inst. M. Chicago, 1942–43, 14: 307–11.—**Illinois** Society of Pathologists protects civilian interests of pathologists who are in the Armed Services. Am. J. Clin. Path., 1943, 13: 620.—**Recommendations** of the Executive Committee concerning the status of pathologists during the war emergency. N. England J. M., 1942, 226: 248.—**Williams, T. H.** The training of residents in pathology. Treatm. Serv. Bull., Ottawa, 1950, 5: 34–6.

PATHOLOGY.

Alekseev, M. Voennaja patologia. In: Bolsh. med. encikl., 1928, 5: 531–7.—**Chemical** mechanism of inflammation. U. S. Nav. M. Bull., 1945, 45: 563.—**Gliński, L. K.** W sprawie potrzeby i znaczenia anatomii patologicznej dla wojska wraz z uwagami o prosekturach wojennych. Lek. wojsk., 1920, 1: No. 34, 1–12.—**Lovelace, W. R.,** II, & **Gagge, A. P.** Pathology. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 69–75, illust.—**Perez, G.** Impostazione nosografica delle diverse forme morbose. Gior. med. mil., 1934, 82: 110.—**Tebbutt, A. H.** Pathology in war-time. Med. J. Australia, 1918, 1: 433.

—— Congress.

GERMANY. TAGUNG DER LUFTWAFFENPATHOLOGE [1942] Bericht. 12p. 29½cm. Berl., 1942.

Forms Tagber. No. 3, Mitt. Luftfahrtmed.

Aschoff, L. Zur 20jährigen Erinnerung an die Kriegspathologische Tagung am 26. und 27. April 1916 in Berlin. Med. Klin., Berl., 1936, **32**: 476–8.—**Congrès** (IVe) international de pathologie comparée, Rome 1939. Rev. Serv. san. mil., Par., 1938, **108**: 685.—**Congrès** (V) international de pathologie comparée, Istamboul. Voj. zdrav. listy, 1948, **17**: 329.—**Maskar, U.** [Report on the German Congress of Pathology, held in Frankfurt, Sept. 16–19, 1937] Askerî sihhye mecmuası, 1938, **67**: 1–12.—**Zjazd** anatomo-patologów polskich. Lek. wojsk., 1949, **25**: 132.

—— History.

Beitzke, H. Meine Erfahrungen als Armeepathologe im Weltkrieg. Klin. Wschr., 1940, **19**: 485. Also Med. Klin., Berl., 1940, **36**: 667.—**Covas Coro, R. J. J. A.** Algunas consideraciones sobre el renacimiento de la medicina humoral. Rev. san. mil., Habana, 1943, **7**: 129–32.—**Findlay, H. T.** Advances in military pathology during the past 50 years. J. R. Army M. Corps, 1948, **90**: 257–70.—**McIntosh, J.** Experiences of a London pathologist in wartime. Middlesex Hosp. J., 1944, **44**: 61.—**Verdelet, L., & Durand, E.** Etat sanitaire des indigènes des colonies à l'Exposition maritime internationale de Bordeaux. Caducée, Par., 1907, **7**: 313.—**Weil, S. S.** [Sketch of the development of pathological anatomy in Russia and in the Soviet Union] Tr. Voen. morsk. med. akad., 1941, **1**: 21–53.

—— Institute [incl. museum]

Gordon-Taylor, G. Pathological specimens of war injuries. Brit. J. Surg., 1942–43, **30**: 281.—**Injuries** of war; a national collection. Bull. Army M. Dep., Lond., 1942, No. 15, 3.—**National** collection of war specimens. Ibid., 1944, No. 33, 9.—**Oka, H., & Kawamura, R.** Tō-Dai byōrigaku-kyōsitu ni okeru senzi-sengo no iti-ni no mondai ni tuite [A few wartime and postwar problems in the Pathological Institute of Tōkyō University] Tr. Soc. path. jap., 1946, **35**: 27.—**War** injuries; exhibition of specimens. Brit. M. J., 1945, **1**: 278.

—— Institute: Armed Forces Institute of Pathology (1947–)

UNITED STATES. ARMED FORCES INSTITUTE OF PATHOLOGY. Collected papers. Wash., 1941/45–

—— Study batch. Wash., No. 4, 1942–

—— Memorandum. Wash., No. 1, 1946–

—— Annual report. Wash., 1947–

—— Guide to the exhibit on the history of neuropathology; presented at the annual meetings of the American Psychiatric Association, Washington, D. C., May 17–20, and the American Neurological Association, Atlantic City, N. J., June 14–17; comp. by Webb Haymaker. 121p. 25cm. Wash., 1948.

—— Bulletin. Wash., v.**5**, No. 27–51, 1949.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–35: Procedure for obtaining loans of various study and review materials from the Army Institute of Pathology. [3]p. 27cm. Wash., 1947.

Army Institute of Pathology. Med. Rec., N. Y., 1947, **160**: 74. Also Bull. U. S. Army M. Dep., 1949, **9**: 435–9.—**Army** Institute of Pathology and American Registry of Pathology. Science, 1946, **104**: 272.—**Ash, J. E.** The Army Institute of Pathology. Bull. U. S. Army M. Dep., 1945, **4**: 718–23. ——— Wartime Army medical laboratory activities; general review and new developments at the Army Institute of Pathology. Am. J. Pub. Health, 1947, **37**: 815–8.—**Consultants** to Army Institute of Pathology. Mil. Surgeon, 1947, **100**: 84.—**Developments** of the Institute and Registry of Pathology. J. Am. M. Ass., 1946, **131**: 1378.—**Instituto** (O) militar de patologia dos Estados Unidos. Hospital, Rio, 1946, **30**: 529–31.—**Karsner, H. T.** The American Registry of Pathology and its relation to the Army Institute of Pathology. Mil. Surgeon, 1946, **99**: 368.—**Lucké, B.** The Army Institute of Pathology during World War II. Ibid., 364–8.—**Phalen, J. M.** Army Institute of Pathology. Ibid., 1944, **95**: 323.—**Rapaport, M.** El Instituto de Patología del Ejército Americano. Día méd., B. Air., 1947, **19**: 609.—**Registry** (The) of dental and oral pathology. J. Am. Dent. Ass., 1943, **30**: 453–7.—**Report** of the Special Committee on the Registry of Radiological Pathology. Bull. Am. Coll. Radiol., 1949, 96–100.—**Selection**, processing and shipment of materials for the registries of ophthalmic and otolaryngic pathology. Tr. Am. Acad. Ophth. Otolar., 1947–48, 52: 548–51.—**Sloan, R. A.** Wartime Army medical laboratory activities; public health aspects of wartime studies conducted at the Army Institute of Pathology. Am. J. Pub. Health, 1947, **37**: 819–28.—**Swanson, H. A.** The Army Institute of Pathology and the Registry of Dental and Oral Pathology. Am. J. Orthodont., 1946, **32**: Oral Surg., 526–30. ——— The registry of dental and oral pathology. J. Oral Surg., 1949, **7**: 346–9. ——— **& Bernier, J. L.** The Registry of Dental and Oral Pathology at the Army Institute of Pathology. Mil. Surgeon, 1946, **99**: 370.

—— Institute: Army Medical Museum (–1947)

Activities of the Museum and Library Division of the Surgeon General's Office. Rev. War Surg. & M., 1918, **1**: No. 10, 69–74.—**Dental** (The) and oral pathology registry. Bull. U. S. Army M. Dep., 1943, No. 70, 6.—**Facilities** for tissue pathology in the Army. Ibid., 1945, **4**: 337.

—— Instruction.

UNITED STATES. ARMY MEDICAL SCHOOL. Basic course in clinical pathology for laboratory technicians; enlisted personnel, Medical Department, U. S. Army, session 1938–39 [7] l. 27cm. Wash., 1938.

Forms No. 216, A. M. C. U. S. Army M. Center.

Chiurco, G. A. La patologia chirurgica di guerra nelle università. Forze san., Roma, 1936, **5**: 1430.—**Hulett, A. G.** A proposal for the training of officers of the Medical Department Reserve Corps, U. S. Army, assigned to the laboratory service, both upon active and inactive status. Mil. Surgeon, 1941, **88**: 499–504.—**Wilson, L. B.** The graduate study of morbid anatomy by the military surgeon. Ibid., 1930, **66**: 613–20.

—— Laboratory.

See also **Medical laboratory.**

GREAT BRITAIN. ARMY PATHOLOGY LABORATORY SERVICE. Current notes. No. 11. 11 l. 33cm. Lond. [?] 1944.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–47: Establishment of a central laboratory for pathology in the Veterans Administration. 4p. 27cm. Wash., 1947.

Carvalho, A. C. Laboratorios clinicos nos hospitaes de 3ª. classe e enfermarias militares. Rev. med. mil. Rio, 1934, **23**: 441–6.—**Dominguez, C. M.** Organisation du Laboratoire d'anatomie pathologique de la Santé militaire de l'Uruguay. Bull. internat. Serv. santé, Liége, 1938, **11**: 311–4.—**Gunter, F. E.** Transactions of the Pathological Laboratory, Curragh Camp, during the year 1906. J. R. Army M. Corps, 1907, **9**: 261–3.—**Kraevsky, N.** Patologo-anatomićeskie laboratorii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 364–8.—**Large, D. T. M.** Two suggestions from a laboratory in India. J. R. Army M. Corps, 1933, **61**: 377–9.—**Shanks, G.** Laboratory experiences. Canad. J. M. Techn., 1943, **5**: 171–3.

—— Methods.

See also **Prisoner of war, Autopsy; Vehicle;** also such terms as **Neuropathology; Ophthalmology,** etc.

UNITED STATES. NAVAL MEDICAL SCHOOL. Manual of pathology methods and histopathologic techniques. 83p. 27cm. Bethesda, 1943.

Ash, J. E. Technical methods in use at the Army Institute of Pathology. J. Techn. Meth., Toronto, 1946, **26**: 1–59.—**Avdeev, M., & Kraevsky, N.** Vskrytie trupa. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1051–7.—**Cordero, M.** El microscopio y la fotografía al servicio de la justicia. Gac. méd. mil., Méx., 1934–35, n. ser., **2**: 1–19.—**Dergachev, I.** Histologićeskaja tekhnika. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1280–6. ——— Preparaty patologo-anatomićeskie. Ibid., **4**: 848–51.—**Hirai, S.** Yasen ni okeru gunzin byōrigaku sagyō ni tuite [Pathological practice in army camps during field operations] Gun idan zassi, 1938, No. 303, 801–3.—**Huber.** Fixation of tissues for peripheral nerve study. Rev. War Surg. & M., 1919, **2**: No. 5, 36.—**McKnight, M. P.** Cross-index system of pathological findings. U. S. Veterans Bur. M. Bull., 1926, **2**: 773–6.—**Pathological** material, collection and shipment of specimens [form letter] Bumed News Lett., Wash., 1943, **1**: No. 5, 24.—**Robertson, H. E.** Postmortem examinations of military personnel. Surg. Gyn. Obst., 1944, **78**: 105.

—— Organization of service.

GERMANY. BERATENDER PATHOLOGE BEIM HEERESSANITÄTSINSPEKTEUR. An die Beratenden Armee- und Wehrkreispathologen. 12p. 30cm. Berl., 1943.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 19: Facilities provided for tissue pathology in United States Army. 4p. 26cm. Wash., 1944.

Carpenter, R. J. Facilities provided in the U. S. Army for histopathologic examination of tissues. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 141, 1–5.—**Jabonero Sánchez, V.** Proyecto para la organización de los servicios de anatomía patológica en el Ejército. Rev. españ. med. cir. guerra, 1945, **7**: 476–85.—**Miloslavich, E., & Weichselbaum, A.** Ueber die Organisation einer wissenschaftlichen, pathologisch-anatomischen Tätigkeit im Frontbereiche. Wien. klin. Wschr., 1917, **30**: 524–7.—**Montgomery, G. L.** Pathology in the army at war. Surgo, Glasg., 1945–46, **12**: 125–9.—**Raška, K.** [Mobile bacteriological field laboratory] Voj. zdrav. listy, 1938, **14**: 168–74.—**Schlumberger, H. G.** The scope of pathology in the German Wehrmacht. CIOS Rep., Lond., 1945, Item 24, No. XXIX–8, 1–26.—**Wilson, L. B.** The autopsy service of the American Expeditionary Forces. Tr. Ass. Am. Physicians, 1919, **34**: 291–7.—**Zenoni, C.** I servizi civili e militari della Divisione anatomo-patologico nel periodo 1916–18. Osp. maggiore, Milano, 1919, 3. ser., **7**: 148–57.

—— Research.

For specific research see also the following terms: **Aeromedicine**—by countries: Germany; **Anoxia; Atomic bomb; Burns; Cold injury; Diphtheria; Dysentery; Epidemic; Gas gangrene; Gas poisoning; Geopathology; Heat; Hepatitis, epidemic; Injury; Malaria; Nephritis; Oxygen poisoning; Wound.**

Aschoff, L. Ueber die Aufgaben der Kriegspathologie. Deut. med. Wschr., 1916, **42**: 897. ——— Aufgaben der Kriegspathologie auf Grund der Erfahrungen des Weltkrieges. Ibid., 1939, **65**: 1537.—**Goedel, A.** Kriegspathologische Beiträge. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 34–56.—**Lumsden, C. E.** The scope of morbid anatomy in the Army Medical Services. J. R. Army M. Corps, 1946, **87**: 70–7.—**Meixner, K.** Ueber anatomische Befunde im Felde. Wien. med. Wschr., 1919, **69**: 106.—**Mönckeberg, J. G.** Pathologisch-anatomische Beobachtungen aus Reservelazaretten. Münch. med. Wschr., 1915, **62**: 61–4.—**Vasiliev, A. A.** [Results of pathologico-anatomical work during military operations] Voen. san. delo, 1941, No. 12, 29–35.

—— veterinary.

Eberbeck, E., & Hemmert-Halswick, A. Jahresbericht über die im Jahre 1940 im Heeres-Veterinäruntersuchungsamt ausgeführten pathologisch-anatomischen und -histologischen Untersuchungen. Arch. wiss. prakt. Tierh., 1942–43, **78**: 326–33. ——— Jahresbericht über die im Jahre 1941 im Heeres-Veterinäruntersuchungsamt Berlin ausgeführten pathologisch-anatomischen und -histologischen Untersuchungen. Ibid., 1944, **79**: 288–98.—**Establishment** of registry of veterinary pathology at the Army Institute of Pathology, Army Medical Museum, Washington, D. C. Vet. J., Lond., 1944, **100**: 220.—**Feldman, W. H.** A new registry of pathology. J. Techn. Meth., Toronto, 1944, **24**: 73–5.—**Registry** of Veterinary Pathology. Bull. U. S. Army M. Dep., 1944, No. 81, 13.—**Registry** of Veterinary Pathology at the Army Institute of Pathology. Science, 1944, **100**: 186.—**Smith, H.** Registry of veterinary pathology. J. Am. Vet. M. Ass., 1946, **109**: 223.

PATIENT.

See also **Convalescent.**

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–190: Uniforms for employees and convalescent patients. 31p. 26cm. Wash., 1949.

Amchislavsky, I. V. [Sanitary treatment of the patient in health stations] Feldsher. Moskva, 1942, No. 4, 44–52.—**Baird, J. H.** The patient as an individual. U. S. Veterans Bur. M. Bull., 1927, **3**: 882–6.—**Banen, D. M.** Doctor-patient relationship. Mil. Surgeon, 1949, **104**: 124–8.—**Dake, J.** From a patient who slutes! Army Doctor, 1942, **1**: No. 2, 26.—**Josey, A. I.** Disposition section for ambulatory patients. Bull. U. S. Army M. Dep., 1946, **5**: 353–5.—**Martin, W. B.** The medical approach to the patient in the Army. Ibid., 52–6.—**Meyers, S. J.** The physical and mental training of convalescents at Base Hospital, Camp Zachary Taylor, Kentucky. Mil. Surgeon, 1918, **43**: 497–505.—**My** doctor told me. Bull. Army M. Dep., Lond., 1944, No. 39, 7.—**Potts, W. J.** The doctor-patient relationship in Army hospitals. Bull. U. S. Army M. Dep., 1946, **6**: 482.—**Roxo, H.** Explicações aos nervosos. Arq. brasil. med. nav., 1948, **9**: 1315–21.—**Thomas, C. H. M.,** jr. Convalescent care and the morale of patients. Mil. Surgeon, 1943, **93**: 453–7.

PATROL.

See also **Intelligence,** Combat intelligence.

MACPHERSON, R. K. The effect of combatant patrol activities on some physical characters of A. I. F. infantry personnel. 10 l. 34cm. Brisbane, 1946.

Forms No. 4, Open Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia.

Hildenskiöld, S. [Sanitary protection for night patrols] Voen. san. delo, 1937, No. 2, 11–7.—**Página** Gráfica; patrullas de infantería. Bol. clase, Lima, 1942, **10**: 170.

PEA.

See under **Vitamin.**

PEARL Harbor.

See under **World War II.**

PECTIN.

N., L. R., & G., S. T. Gelatin and pectin. Bumed News Lett., Wash., 1944, **4**: No. 6, 8.—**Santillo, T.** L'azione emostática delle pectine. Gior. med. mil., 1941, **89**: 901–16.

PECTORAL muscles.

See also **Thorax.**

Chernjavsky, V. V. Slučaj gryži i razryva bolšoj grudnoj myšcy. Voen. med. J., S. Peterb., 1913, **236**: Med. spec. pt, 564–7.—**Lepp, O. F.** Slučaj častičnogo razryva bolšoj grudnoj myšcy. Ibid., **238**: Med. spec. pt, 394.

—— Abnormity.

Akhun, I. I. K kazuistike anomalij bolšoj grudnoj myšcy. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 358.—**Cackin, A. B.** Slučaj odnostoronnego nedorazvitija bolšoj grudnoj myšcy. Ibid., 1907, **219**: Med. spec. pt, 10–3.—**Fedorov, A. I.** Ešče slučaj nedorazvitija pravoj bolšoj grudnoj myšcy. Ibid., 1912, **234**: Med. spec. pt, 197.—**Gorzowski, E.** [Congenital anomalies of the pectoral muscle] Lek. wojsk., 1937, **30**: 352–68.—**Iacobelli, G.** Un caso di mancanza congenita monolaterale dei muscoli grande e piccolo pettorale. Ann. med. nav., Roma, 1939, **45**: 451–4.—**Iizima, S.** Dai-kyōkin senten-sei kesson no iti rei [Ein Fall von angeborenem Defekt des Musculus pectoralis major] Gun idan zassi, 1912, 1947–57, pl.—**Jasinsky, B. I.** K kazuistike nedorazvitija dvukh niżnikh golovok levoj bolšoj grudnoj myšcy. Voen. med. J., S. Peterb., 1913, **238**: Med. spec. pt, 373–6.—**Kartaševsky, G. A.** Slučaj nedorazvitija bolšoj grudnoj myšcy i otsutstvija maloj. Ibid., 1911, **232**: Med. spec. pt, 197; 1912, **234**: Med. spec. pt, 193.—**Koročansky, V. A.** Po povodu nedorazvitija bolšoj grudnoj myšcy. Ibid., 1913, **236**: Med. spec. pt, 360–3.—**Kummant, A.** Brak wrodzony mięśnia piersiowego i jego powstanie. Lek. wojsk., 1920, **1**: No. 30, 1–12, illust.—**Richardson, F. M.** Congenital absence of pectoral muscles. J. R. Army M. Corps, 1940, **75**: 48.—**Roca, C. A., & Lazaroni, A. F.** Anomalías de los músculos pectorales. Rev. san. mil., B. Air., 1946, **45**: 929–37.—**Vulf, N. V.** Slučaj nedorazvitija bolšoj grudnoj myšcy i otsutstvija maloj. Voen. med. J., S. Petersb., 1910, **229**: Med. spec. pt, 1–5.

PEDIATRIC care.

See also **Dependent,** Emergency maternity and infant care.

Brescia, M. A. Pediatric viewpoint of war torn areas. Arch. Pediat., N. Y., 1944, **61**: 20–4.—**Chuchkin, A. V., & Cincinator, R. M.** [The peculiarities of the work of a children's hospital in wartime] Pediatria, Moskva, 1941, No. 11, 21–4.—**Davis, W. H.,** jr, & **Arena, J. M.** The importance of pediatric and surgical care in the prevention of selective service rejections. J. Pediat., S. Louis, 1948, **33**: 85–9.—**Dickey, L. B.** Duty of the physician toward the child in wartime. California West. M., 1942, **57**: 127.—**Drumheller, J. F.** Pediatric problems at the Bremerhaven Port. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **3**: 43–5.—**Gutkin, A. J.** [Supervision of children's institutions by a military hospital] Pediatria, Moskva, 1943, No. 5, 71–3.—**Ivanovsky, P. M.** [Fundamental problems of work of a children's hospital in wartime] Ibid., 1941, No. 11, 25–8.—**McCulloch, E. C.** The children's clinic at Fort Sam Houston, Texas. Mil. Surgeon, 1922, **51**: 94.—**Miller, W. J.** Organization of a pediatric ward. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **3**: 40–2.—**Polteva, U. K., & Edelman, Z. I.** [Results of the work of a children's hospital in wartime] Pediatria, Moskva, 1941, No. 11, 3–8.—**Semashko, N. A.** [Care of the child's health in conditions of war] Ibid., 1942, No. 5, 5–8.—**Skundina, S. I.** [Control of children's diseases in the Gorky region in wartime] Sovet. med., 1943, **7**: No. 2, 29–31.—**Weiss, M.** Emergencies in pediatric practice. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 2, 12–7.

PEDIATRICIAN.

Dobrokhotova, A. I. [Travail du pédiatre dans les conditions de la guerre] Pediatria, Moskva, 1941, No. 9, 3–5.—**Hess, J. H.** The pediatrician, his obligation to the state in time of war. Ind. J. Pediat., 1943, **10**: 73–7.

PEDIATRICS.

Aldrich, C. A. The war comes home to pediatrics. Am. J. Dis. Child., 1946, **72**: 1–5.—**Congrès** (XII) des pédiatres de langue française, Paris. Voj. zdrav. listy, 1948, **17**: 329.—**Michałowicz, M.** [New tendencies in pediatrics] Lek. wojsk., 1935, **26**: 65; 140; 229.—**Mikułowski, W.** [The relation between pediatrics and military medicine] Ibid., 1928, **11**: 118–22.

PEDICULOIDES.

Cordero Soroa, A. La sarna de los cereales. Med. & cir. guerra, 1948, **10**: 21–4.—**Epidemia** (Di un) di acariasi da grano. Gior. med. mil., 1922, **70**: 301–3.—**Feldmayer, J. E., & Perry, A. J.** Acarodermatitis urticarioides (straw mite itch) Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 83.

PEDICULOSIS.

See also **Disinfestation; Lousiness; Phthiriasis; Pyrethrine.**

Germany. Heer. Truppenentlausungskompanie 640: Anleitung zur Herstellung einer Heissluft-Entlausungskammer. MS. 4 l. 30½cm. n. p., 1942.

Barber, H. W. Pediculosis corporis. In: Med. Dis. War (Hurst, A. F.) 3. ed., Lond., 1943, 448–57, 2 pl.—**Boldyrev, T. E.** [Use of chloropicrine for disinfestation of clothes during war] Voen. med. J. Moskva, 1931, **2**: 43–52.—**Bunn, R. W., & Barrett, W. L., jr.** Dusting apparatus operated by compressed air for large scale delousing. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 21, 23–5.—**Caesar.** Infanterie im Kampf gegen Kleiderläuse. Deut. med. Wschr., 1935, **61**: 2027.—**Delousing** methods at Camp Mills. Rev. War Surg. & M., 1919, **2**: No. 5, 43.—**De Napoli, F.** Bagni a gas di anidride solforosa nella cura della scabbia e delle pediculosi. Gior. med. mil., 1918, **66**: 296–300.—**Eddy, G. W.** A treatment for head lice, crab lice and scabies. War Med., Chic., 1944, **6**: 319–22.—**Fasal, H.** Zur Pedikulosisfrage. Wien. klin. Wschr., 1915, **28**: 225–7.—**Izar, G.** Sulla profilassi del pediculus hominis. Gior. med. mil., 1916, **64**: 241–59.—**Louse** (The) problem in the United States Army. Rev. War Surg. & M., 1918, **1**: No. 8, 37–45.—**Marschalkó, T.** A férgesség (pediculosis) annak jelentősége és leküzdése a háborúban. Orvosi hetil., 1915, **69**: 193–5.—**Methyl** bromide as a fumigant for delousing clothing. Bumed News Lett., Wash., 1943, **2**: No. 9, 20.—**Pediculosis.** Med. J. Australia, 1943, **2**: Suppl., 80.—**Pediculosis** in evacuated children. Brit. M. J., 1940, **2**: 494.—**Rapćevsky, I. F.** [Results of the experiments of the application of chemicals for the extermination of clothes lice] Voen. med. J., Petrogr., 1915, **242**: Med. spec. pt, 74–80.—**Riley, W. A.** Cooties; the doughboys' pal. Nation's Health, Chic., 1925, **7**: 826.—**Rollin, H. R.** Pediculosis capitis and intelligence in W. A. A. F. recruits. Brit. M. J., 1943, **1**: 475.—**Van Auken, H. A.** Louse control. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, 107.—**Zeki Iren.** Bazi fizik şartlar karşisinda beygir ve insan bitlerinin ölüm hudutlari. Askeri vet. mecmuasi, 1945, **23**: No. 158, 20–5.

PELLAGRA.

See also **Prisoner of war, Disease; Vitamin deficiency.**

Sargent, F., II, & Sargent, V. W. Report of season, nutriture, and pellagra. 29 l. 27cm. Chic., 1949.

Forms No. 51, Rep. U. S. Army Med. Nutrit. Laborat.

Afanasjeva, E. K. Klinika i terapia khronićeskoj formy pellagry. In: Voen. med. Leningr. fronte (Russia. Glavn. voen. san. upravl.) Moskva, 1946, 315–28.—**Alexeev-Berkman, I. A.** Koprologićeskie dannye pri pellagre. Ibid., 328–34.—**Brace, R. W.** Pellagra resulting from self-imposed deficient diet U. S. Veterans Bur. M. Bull., 1929, **5**: 794–7.—**Bragaw, G. D.** Nervous and mental manifestations of pellagra. Med. Bull. Veterans Admin., 1934–35, **11**: 358–60.—**Fralic, H. B.** Pellagra; report of six cases. Ibid., 1932, **8**: 56–60.—**Fraser, H. E.** Pellagra in a soldier; a case report. Mil. Surgeon, Wash., 1934, **74**: 302–4.—**Gore, W. A.** Pellagra with associated hemochromatosis. Med. Bull. Veterans Admin., 1938–39, **15**: 319–21.—**Iles, U. G.** Psychosis with pellagra. Ibid., 1931, **7**: 937–9.—**Kennedy, J. A.** Psychosis with alcoholic pellagra. Ibid., 1933, **10**: 155–8.—**Khvilivickaja, M. I.** [Clinical observations on pellagra in Leningrad in 1942] Raboty Leningr. vrach. za god Otechest. voiny, 1943, **3**: 56–72.—**López González, G.** Consideraciones sobre un caso de pelagra. Rev. san. mil., B. Air., 1945, **44**: 84–91.—**Mills, S. R.** Alcoholism and pellagra. U. S. Nav. M. Bull., 1934, **32**: 493–7, pl.—**Nakamura, M., Hamada, T., & Oriuti, H.** Pellagra no iti bōken rei [Report of autopsy on a pellagra case] Kaigun gun-ikai zassi, 1941, **30**: 179–85, pl.—**Nichols, C. H.** Hook-worm disease and pellagra. Mil. Surgeon, 1910, **26**: 646–57.—**O'Flynn, J. A.** A case of pellagra. J. R. Nav. M. Serv., 1935, **21**: 54–7.—**Pantjukhova, O. N.** Izmenenija nervnoj sistemy pri khroničeskoj pellagre. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 334–40.—**Plunkett, O. R. L. L.** Observations and clinical notes on some cases of pellagra seen in Cyprus. J. R. Army M. Corps, 1939, **72**: 317–27.—**Vovsi, M.** Pellagra. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 368–72. **Wright, F. L.** Pellagra: Report of two cases. Med. Bull. Veterans Admin., 1934–35, **11**: 354–7.

PELLEGRINI-STIEDA disease.

See under **Knee.**

PELVIS.

See also **Fracture; Surgical technic,** Pelvis.

Sheldon, W. E. X-ray pelvimetry. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 5, 46–52.

—— Disease and abnormity.

Bacon, H. E., & Reuther, T. F. Pelvirectal abscess simulating acute appendicitis; report of 5 cases. U. S. Nav. M. Bull., 1942, **40**: 178–82.—**Brickner, W. M.** Pelvic actinomycosis in a soldier. Mil. Surgeon, 1925, **57**: 39–50, pl.—**De Giuli, G.** Interesse radiologico e medico-legale di una rara malformazione del bacino; mancato saldamento della branca ischio-pubica. Gior. med. mil., 1942, **90**: 775–81.—**Gömöry, C.** [Fall von Beckenlymphom] Militärarzt, 1904, **38**: 179.—**Horie, T.** Kanō-sei tyōyō-kin-en no iti rei [Case of suppurative abdomino-pelvic arthritis] Gun idan zassi, 1925, 99–101.—**Hosino, M.** Zakotu caries no ni tiken rei. [Two cases of successful treatment of caries of the ischium] Kaigun gun-ikai zassi, 1940, **29**: 725–30, pl.—**Knowles, E. T.** Pelvic endometriosis; a case report. U. S. Nav. M. Bull., 1942, **40**: 421–4.—**Pellet.** Abcès de la région obturatrice d'origine osseuse, avec petits séquestres, à développement latent. Bull. Soc. med. mil. fr., 1922, **16**: 47–50.—**Schaff, B., & Ivey, H. T.** Penicillin in the treatment of osteomyelitis. Med. Bull. Veterans Admin., 1943–44, **20**: 369–72.—**Tamplin, F. S.** Case of pelvic tumour of obscure origin. J. R. Army M. Corps, 1923, **41**: 376.—**Todd, F. A., & Miller, E. B.** Intrapelvic abscess in a horse. Army Vet. Bull., 1942, **36**: 268–74.—**Zaffiro, F.** L'osteomielite ematogena del pube. Gior. med. mil., 1939, **87**: 1139–57.—**Zimmerman, L. E.** Tilted pelvis. War Med., Chic., 1942, **2**: 465.

—— Injury.

See also **Fracture**—by site: Pelvis.

Adomeit, H. Beckenosteomyelitis und Kapselphlegmone des Kreuzdarmbeingelenks als Komplikationen von Beckenschussfrakturen. Deut. Militärarzt, 1944, **9**: 387–92.—**Banaitis, S. I.** Povreždenija taza i tazovykh organov. In: Kratky kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 313–28.—**Bandō, H., & Kōno, M.** Sensyōbyō-go hassei-seru kotuban keisya no gen-in-teki kōsatu narabi-ni kore ga yobō-teki taisaku ni tuite [Etiological observations on inclination of the pelvis developing after disease caused by war wounds, and measures to prevent it] Gun idan zassi, 1943, 1235–42, illust.—**Bernard, L. M. J.** Les complications urinaires des traumatismes fermés du bassin. Arch. méd. pharm. mil., 1929, **90**: 643–74.—**Colmers.** Becken. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 130.—**Gliner, T. I.** [Gunshot osteomyelitis of the pelvis] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 137–40.—**Henry, M. G.** Emergency surgical measures at an advance base; a case of crushing injury to the pelvis. U. S. Nav. M. Bull., 1945, **44**: 844.—**Koechlin.** Eclatement du bassin et du côlon par blessure de guerre. Rev. méd. Suisse rom., 1947, **67**: 138.—**Likhtenstein, E.** Taz; rentgenodiagnostika ognestrelnykh povreždenij. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 428.—**McCarthy, P. V., & Van Demark, R. E.** March fracture of the inferior pubic ramus. Mil. Surgeon, 1946, **98**: 233–5.—**Maisonnet & Merz.** Un cas de luxation du bassin avec rupture incomplète de l'urétre postérieur. Bull. Soc. méd. mil. fr., 1924, **18**: 339–43.—**Navy** doctors remove live shell from hip of wounded enlisted man. J. Am. M. Ass., 1943, **123**: 569.—**Peixoto, G.** Ferimentos da pelve. Ann. Hosp. centr. exerc., Rio, 1936, No. I, 85–92, pl.—**Phillips, J. L.** Gunshot wound of pelvis. Rep. U. S. Surg. Gen. Army, 1897, 128.—**Ramm, M. G.** Povreždenija taza. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 239–42.—**Rifat Sükrü.** Havsala kesirleri [Les fractures du bassin] Askeri tibbi baytari mecmuasi, 1929, **7**: 182–201.—**Westhues, H.** Becken. In his Fortsch. Lager. Schwerverw., Berl., 1943, 38–49, illust.

PEMMICAN.

See also **Ration,** dehydrated.

Stefansson, V. Pemmican. Mil. Surgeon, 1944, **95**: 89–98.

PEMPHIGUS.

See also **Dermatosis; Pyosis.**

Boston, J. A. Dental aspect of pemphigus vegetans. Mil. Surgeon, 1939, 84: 473–5.—**Cancellotti, E., & Tommasi, V.** Un caso di pemfigo vegetante. Gior. med. mil., 1941, 89: 111–23.—**Castro, S. de.** Fogo selvagem; pemphigus maligno. Rev. med. mil., Rio, 1936, 25: 22–6.—**Delgado Carpio, I.** Sobre algunos casos de pénfigo febril. Rev. san. mil., La Paz, 1938, 4: 638.—**Dudley, S. F.** A case of pemphigus chronicus. J. R. Nav. M. Serv., 1918, 4: 321.—**Moschella, S. L.** Pemphigus vulgaris; report of a case treated with carbarsone. U. S. Nav. M. Bull., 1949, 49: 1126–30, illust.—**Robertson, A. M.** Prickly heat and tropical pemphigus. J. R. Nav. M. Serv., 1945, 31:258–60.

PENCIL.

Lukanov, A. F. [Injuries from aniline pencils] Voen. med. J., Moskva, 1930, 1: 29–37.—**Pérez, B.** Heridas con lapiz tinta. Rev. san. mil., B. Air., 1936, 35: 30–7.

PENETRATING injury.

See under specific forms of injury as **Head injury, gunshot,** etc.

PENICILLIN.

See also **Drug supply; Gonorrhea; Ophthalmology,** Therapeutics; **Osteomyelitis; Syphilis; Venereal disease,** etc.; also **Therapeutics,** Antibiotics.

United States. Office of War Information. Penicillin [172]p. 26½cm. Wash. [?] 1944.

United States. War Department. Technical bulletin TB MED 9: Penicillin. 6p. 26cm. Wash., 1944.

Auhagen. Penicillin. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 92.—**Barondes, R. de R.** Penicillin and streptomycin precursors; their probable source and derivation. Mil. Surgeon, 1948, 102: 50–5.—**Baxter, J. P., III.** Penicillin. In his Scientists Against Time, Bost., 1946, 337–59.—**Chain, E., & Florey, H. W.** The discovery of the chemotherapeutic properties of penicillin. Bull. U. S. Army M. Dep., 1944, No. 77, 58–63.—**Curtis, F. J., Davis, F. C.** [et al.] Penicillin and dibromsalycil. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 46.—**Fleming, A.** The discovery of penicillin. Bull. U. S. Army M. Dep., 1944, No. 77, 54–8. ——— Penicillin. J. R. Nav. M. Serv., 1945, 31: 73–82. ——— El éxito [de la penicilina] Med. & cir. guerra, 1948, 10: 325–32.—**Gray, G. W.** Penicillin. In his Science at War, 3. ed., N. Y., 1943, 214–7.—**Herrmann.** Penicillin. Aerztl. Feldpost., 1945, No. 4, 9.—**Howard, W. A., Eley, R. C.** [et al.] Penicillin. CIOS Rep., Lond., 1944, Item 24, No. I–9 & 10, II–9, 3.—**Keefer, C. S.** Penicillin; a wartime achievement. In: Advance. Mil. Med., Bost., 1948, 2: 717–22.—**Kraft, K.** Penicillin. CIOS Rep., Lond., 1945, Item 24, No. XXIX–36, 8.—**Lenz.** Penicillin. Ibid., 1944, Item 24, No. X–14 & XII–23, 25.—**Marshall, G. C.** Penicillin. War Dep. Techn. Bull., 1944, No. 9, 1–6.—**Nikolaev, M., Teodori, M., & Shlakobersky, V.** Penicillin. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 372–84.—**Penicillin.** J. R. Army M. Corps, 1941, 77: 207–10. Also Bull. Army M. Dep., Lond., 1942, No. 17, 9; 1943, No. 30, 1. Also Bull. U. S. Army M. Dep., 1943, No. 69, 1–3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 64. Also Bull. U. S. Army M. Dep., 1945, 4: 304–6. Also Res. Program U. S. Army M. Res. Bd, 1946, Oct., 15; 1947, Apr., 2.—**Penicillin,** the effective but elusive. J. R. Army M. Corps, 1943, 80: 321–3.—**Penicillin** for general practice? Bull. Army M. Dep., Lond., 1945, No. 50, 5.—**Raper, K. B.** Research in the development of penicillin. In: Advance. Mil. Med., Bost., 1948, 2: 723–45.—**Rogers, J. A.** Penicillin. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 125, 1.—**Safa Karatay.** Kulak, burun, boğaz sahasinda penicillin ve tyrothricin. Askeri sihhiye mecmuasi, 1945, 74: No. 45, 17–31.—**Sholtz, J. R.** Penicillin; a brief summary of current information. Air Surgeon Bull., 1944, 1: No. 5, 1–5.—**Wymark, A.** La penicilina; último milagro de la ciencia médica. Rev. san. mil., Habana, 1943, 7: 221–6.

—— Administration.

Holland, H., Hunt, M. [et al.] Levels of penicillin obtained in the saliva through the use of penicillin-paraffin chewing wafers. 6p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–304, U. S. Nav. M. Res. Inst.

Pedrick, R. F., & Broh-Kahn, R. H. Oral administration of penicillin. 13p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 388, U. S. Air Force School Aviat. M.

Woltz, J. H. E., & Zintel, H. A. Penicillin in amniotic fluid and placental cord blood following intramuscular administration to the mother. 3p. 28cm. Wash., 1945.

Forms No. 49, Infect. Wounds & Burns Rep. (OSRD) Wash.

Baird, J. P., & Jones, D. P. A penicillin injector. J. R. Army M. Corps, 1946, 87: 91.—**Concentration** of penicillin in the aqueous humor following parenteral injection. Bumed News Lett., Wash., 1945, 5: No. 3, 13.—**Gi len, C.** The use of aerosol penicillin. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 67.—**Groszberg, D.** Individual containers of saline for penicillin. Med. Bull. North Afr. Theater U. S., 1944, 2: 88.—**Intramuscular** penicillin without pain. Bull. Army M. Dep., Lond., 1944, No. 36, 3.—**Letter** of information and instructions on the use of penicillin. Bumed News Lett., Wash., 1943, 2: No. 2, 21–4.—**Levels** of penicillin obtained in the saliva through the use of penicillin-paraffin chewing wafers. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 19.—**Lockwood, J. S.** The local use of penicillin. Bumed News Lett., Wash., 1944, 4: No. 12, 1–4.—**Methods** of parenteral administration of penicillin. Ibid., No. 11, 8–11.—**Moldavsky, L. F., & Hesselbrock, W. D.** Oral penicillin. Bull. U. S. Army M. Dep., 1945, No. 86, 54.—**Morelli, M. V., & Steinbrun Bertoni, M. A.** Empleo local de la penicilina-novocaína. Rev. san. mil. argent., 1948, 47: 270.—**Penicillin** lamellae in ophthalmic infections. Bull. Army M. Dep., Lond., 1945, No. 46, 6.—**Schneider-Green, J. E., & Houston, J. M.** The subcutaneous administration of penicillin. J. R. Army M. Corps, 1945, 85: 234–7.—**Sears, A. I.** Penicillin aerosol therapy. Hosp. Corps Q., 1947, 20: No. 3, 13–5.—**Walker, M. A., & Moore, D. C.** Apparatus for diluting penicillin. Bull. U. S. Army M. Dep., 1947, 7: 649.

—— Bioassay.

Copeland, J. R. Method of testing sensitivity of microorganisms to penicillin. Bull. U. S. Army M. Dep., 1945, 4: 596–9.—**Courtade, R.** Le contrôle biologique de la pénicilline. Rev. vét. mil., Par., 1947, 2: 306–12.—**Elwyn, H. M.** Determination of the penicillin sensitivity of bacteria. U. S. Nav. M. Bull., 1946, 46: 1879–88.—**Lumb, G. D., & Wilson, J. M.** Penicillin assay methods. J. R. Army M. Corps, 1945, 84: 247–54.—**McDaniels, H. E., Sneed, R. G., & Bryson, T. J.** Estimation of bacterial susceptibility to penicillin. Bull. U. S. Army M. Dep., 1946, 5: 225.—**McKercher, D. G.** A rapid method for the routine determination of the sensitivity of bacteria to penicillin. J. Canad. M. Serv., 1945–46, 3: 251–5.—**Penicillin** units; Oxford and Mega. Bull. Army M. Dep., Lond., 1944, No. 39, 6.—**Pennanéac'h, Morand, & Guennec.** Note sur l'application des colorants d'oxydo-réduction à la recherche rapide de la pénicillo-sensibilité des germes en aérobiose. Rev. méd. nav., Par., 1947, 2: 387–93.—**Steiner, M.** Gram-negative bacilli susceptibility to penicillin; in vitro experiments. U. S. Nav. M. Bull., 1945, 44: 486–93.

—— Evaluation.

Braithwaite, F. R. Penicillin Clinical Trials Committee, PCT 86; report. 2p. 28cm. Wash., 1944.

Forms No. 38, Infect. Wounds & Burns Rep. (OSRD) Wash.

Great Britain. Army. 21. Army Group. Medical Directorate. Penicillin therapy and control in 21. Army Group. 365p. 22cm. [n. p.] 1945.

Hudson, R. V., Parkes, T. [et al.] Penicillin; an abstract of the progress report to the Penicillin Committee of the Middlesex Hospital on the clinical work conducted during the year, June 1943–June 1944, together with the results and conclusions based upon the treatment of 103 cases. 8p. 28cm. Wash., 1944.

Forms No. 39, Infect. Wounds & Burns Rep. (OSRD) Wash.

Romansky, M. J. The current status of penicillin therapy. 13p. 27cm. Wash., 1947.

Forms Techn. Bull. TB 10–25, U. S. Veterans Admin.

Baier, G. F., III, & Pincus, J. A. The effect of a small dose of penicillin on the diagnosis of early syphilis. Mil. Surgeon, 1944, 95: 359.—**Barr, J. S.** The use of penicillin in the Navy. J. Bone Surg., 1944, 26: 380–6.—**Bernard.** Un beau succès de la pénicillothérapie. Bull. Soc. méd. mil. fr., 1945, 39: 319.—**Clinical** trials of patulin. Bull. Army M. Dep., Lond., 1944, No. 32, 6.—**Craig, W. M., Thompson, G. J.** [et al.] Penicillin; a progress report based on 1,455 cases treated at the National Naval Medical Center, Bethesda, Maryland. U. S. Nav. M. Bull., 1945, 44: 453–79.—**Efficacy** (The) in treatment of penicillin X, G and crystalline G. Med. Bull. U. S. First Army, 1947, 2: No. 4, 3.—**Ferloni, A. V. J.** Dos éxitos de penicilina ante sulfamidorresistencias. Rev. san. mil., B. Air., 1945, 44: 559–72.—**Fox, H. J.** Penicillin program at the United States Naval Hospital, Portsmouth, Va.; observations and results.

War Med., Chic., 1945, 7: 170–2.—**Green, F. H. K.** Penicillin in 21 Army group. Bull. War M., Lond., 1945–46, 6: 419–21.—**Hamilton, J. D., Roy, T. E., & Greenberg, L.** An evaluation of penicillin therapy administered in the forward area in relation to the incidence of pathogens and the penicillin resistance of staphylococci. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C. 6213, 1–9. ——— An evaluation of penicillin therapy in the forward area in relation to clinical infection. Ibid., C.6214, 1–9.—**Heinlein, J. A., Carpenter, C. C.** [et al.] Efficacy of penicillin ointments. U. S. Nav. M. Bull., 1946, 46: 1237–41.—**Jeffrey, J. S.** Penicillin in military surgery. Mil. Surgeon, 1945, 96: 320–2.—**Keefer, C. S., Blake, F. G.** [et al.] La penicilina en el tratamiento de las infecciones; reporte de 500 casos. Rev. san. mil., Habana, 1944, 8: 51–68.—**Lebailly, J.** Contribution à l'étude de la valeur de la pénicilline chez le cheval à la faveur d'un cas clinique; traitement du cheval Décamètre de l'Equipe internationale de concours hippique. Rev. vét. mil., Par., 1948, 3: 83–9.—**López y López, R. M.** Applicación de la penicilina en cirugía de guerra. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 819–25.—**Memorandum** on penicillin, prepared by the Joint Services Penicillin Committee. J. Canad. M. Serv., 1944–45, 2: 62–8.—**Michalski, E.** Penicillina, jej właściwości i zastosowanie w lecznictwie. Lek. wojsk., 1945, 36: 258–64.—**Mitchell, G. A. G.** El valor de la penicilina en la cirugía. Rev. san. mil. argent., 1949, 48: 57–68.—**Penicilina,** um relatório baseado em 1455 casos, tratados no Centro médico naval nacional de Bethesda, em Maryland (transl.) Arq. brasil. med. nav., 1946, 7: 1007–38, tab.—**Penicillin** administration in war-time surgery. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 281–8.—**Poole, L. T.** Army progress with penicillin. Brit. J. Surg., 1944–45, 32: 110.—**Portugalov, S. O.** Opyt primenenija penicillina pri tjaźelykh formakh gnojno-septičeskoj infekcii. Voen. med. J., Moskva, 1945, 29–37.—**Raaflaub, W.** Das Penicillin; ein Allheilmittel? Militärsanität, Zür., 1946, 28: 85.—**Schmitt, G. F.** Present status of penicillin. U. S. Nav. M. Bull., 1944, 42: 1047–58.

—— Indications.

See also **Burns,** Treatment: Local remedies; **Dermatology,** Therapeutics; **Diphtheria carrier; Endocarditis; Fracture,** Treatment: Methods; **Gonorrhea,** Treatment: Antibiotics; **Heart,** Pericardium; **Injury,** Treatment: Methods.

Canada. Overseas Joint Services Penicillin Committee. Penicillin; a guide for its use in the Canadian overseas forces. 35p. 18cm. Lond., 1944.

Florey, H. W., & Cairns, H. W. B. Investigation of war wounds: Penicillin. 114p. 25cm. Lond., 1943.

Great Britain. Privy Council. Medical Research Council. War memorandum No. 12: The use of penicillin in treating war wounds. 16p. 24½cm. Lond., 1944.

Hirshfeld, J. W., Pilling, M. A. [et al.] Penicillin and skin grafting [Abstract] 1 l. 28cm. Wash., 1944.

Forms No. 24, Infect. Wounds & Burns Rep. (OSRD) Wash.

Becker, A. B. Penicillin in dentistry. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 3: No. 2, 30–3.—**Bellows, J. G.** Use of penicillin in military ophthalmology. Arch. Ophth., Chic., 1945, 33: 162.—**Bentley, F. H., & Thomson, S.** The role of penicillin in war wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 22–6.—**Button, E.** Penicillin in war wounds. N. Zealand M. J., 1944, 43: 225–7.—**Cağlar, K.** Urolojide penicillin. Askerî sihhiye mecmuası, 1947, 76: No. 49, 24–8.—**Christiansen, G. W.** Penicillin in oral and maxillo-facial surgery. Mil. Surgeon, 1945, 96: 51–4.—**Duarte Cunha, B.** Emprêgo da penicilina. Rev. med. mil., Rio, 1944, 33: 67–70.—**Farquharson, R. F.** Brief recommendations for the use of penicillin. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 5, 35–8.—**Fleming.** Cómo debe usarse la penicilina. Med. & cir. guerra, 1948, 10: 309–23.—**Florey, H. W., & Jennings, M. A.** Los principios del tratamiento por la penicilina. Rev. san. mil., B. Air., 1945, 44: 3–15.—**Gündoğdu, I.** Veteriner hekimlikte muhtelif hayvanların hastalıklarında kullanılan penicillin dozlarına ait bir şema. Askerî vet. mecmuası, 1948, 26: 182–6.—**Hinsenkamp, A.** Penicillin treatment of otorhinolaryngological cases. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, 1: No. 2, 14–21.—**Hirshfeld, J. W.** The application of penicillin to surgical problems. In: Advance. Mil. Med., Bost., 1948, 1: 123–33.—**Keefer, C.** Indications and contraindications for the use of penicillin. Bull. U. S. Army M. Dep., 1944, No. 77, 1.—**Kliszowski.** Pénicilline et chirurgie de guerre. Rev. méd. fr., 1945, 26: 89–92.—**Lyons, C.** A terapéutica pela penicilina nas infecções cirúrgicas no Exército dos Estados Unidos da América. Med. contemp., Lisb., 1944, 62: 97–112.—**Ostrowski, W.** Zastosowanie penicyliny w schorzeniach chiruzgicznych. Lek. wojsk., 1949, 25: 12–6.—**Penicillin;** indications for its use and methods of administration. Bull. War M., Lond., 1944–45, 5: 613–5.—**Penicillin** in dermatologic therapy. Med. Bull. U. S. First Army, 1946, No. 6, 3.—**Penicillin** therapy. Bull. U. S. Army M. Dep., 1943, No. 70, 9. Also Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 21, 2–8.—**Penicillin** therapy for diseases of the eye. Statist. Navy M., 1947, 3: No. 11, 6.—**Penicillin** therapy in wound management, surgical disease, burns, and anaerobic infections. Circ. Lett. Surgeon North Afr. Theater Oper., 1944, No. 36, 1–5.—**Peterkin, G. A. G.** Penicillin in dermatology. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 140–2.—**Ponka, J. L.** Penicillin in septic surgery; a summary of ninety-one cases. J. Mil. M. Pacific, 1946, 2: No. 3, 46–9.—**Quadros Tejeiro, M. de.** Penicilina y cirugía de urgencia. Med. & cir. guerra, 1948, 10: 333–41.—**Sammis, A. F.,** jr. Ophthalmic disease treated with penicillin. U. S. Nav. M. Bull., 1946, 46: 912–5.—**Slater, J. K.** Medical uses of penicillin. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 136–8.—**Systemic** administration of penicillin in anterior chamber infections. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 36.—**T., A. E.** Penicillin in ophthalmology. Bumed News Lett., Wash., 1944, 3: No. 12, 14.—**Turner, R. W. D.** Medical uses of penicillin. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 139.—**Use** of penicillin. Bull. Army M. Dep., Lond., 1944, Suppl., No. 16, 1–6.—**Use** of penicillin [form letter] Bumed News Lett., Wash., 1944, 3: No. 2, 15–26.—**Velu, H.** La pénicillinothérapie et ses règles fondamentales. Rev. vét. mil., Par., 1948, 3: 139–48.

—— Pharmacology.

Mobily, S. E., Pfeiffer, C. C., & Stormont, R. T. A study of the inhibitory effect of analogues of p-aminohippuric acid on penicillin excretion. 6p. 27cm. Bethesda, 1946.

Forms Rep. No. 2, Res. Proj. X–473, U. S. Nav. M. Res. Inst.

Scobee, R. G. The effect of penicillin on experimental infections of the eyes of rabbits. 9p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 288, U. S. Air Force School Aviat. M.

Trumper, M., & Thompson, G. J. Prolonging penicillin effects by chilling. 11p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–473, U. S. Nav. M. Res. Inst.

Forte, A. Assorbimento ed eliminazione della penicillina in autosangue. Gior. med. mil., 1949, 96: 213.—**Leopold & Lamotts.** Penetration of penicillin into the eye. Bumed News Lett., Wash., 1944, 4: No. 11, 11.—**Prolonging** penicillin effects by chilling. Summaries Res. U. S. Nav. M Res. Inst., 1945, Jan.–June, 28.—**Study** (A) of the inhibitory effect of analogues of p-aminohippuric acid on penicillin excretion. Ibid., 1946, Jan.–June, 20.—**Synergism** of penicillin and sulfonamides. Bumed News Lett., Wash., 1944, 4: No. 7, 20.—**Walker & Johnson.** Convulsions from application of penicillin to the cerebrum. Ibid., 1945, 5: No. 2, 8.

—— Pharmacy.

Broh-Kahn, R. H. & Smith, P. K. The biological conversion of n-butyl penicillin into a chemotherapeutically active substance. 6p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 389, U. S. Air Force School Aviat. M.

United States. Veterans Administration. Technical bulletin TB 10–3: Recent changes in the composition of commercial penicillin. 4p. 27cm. Wash., 1946.

Agress, H., Haviland, C. H., & Schaffer, H. B. Preparation of penicillin for bulk dispensing. Med. Bull. North Afr. Theater U. S., 1944, 2: 40.—**Bartlett, P. D.** Report on the study of an iodine-reactive substance found in solutions of penicillin. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 58–62.—**Buckles, D. L.** Precipitation of sodium penicillin solutions. Bull. U. S. Army M. Dep., 1947, 7: 648.—**Cooper, H. G., & Cawker, C. A.** Interim report on the use of peniciillin in beeswax and peanut oil. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 90.—**Daniels, R. P.** Penicillin suspended in acacia powder. Hosp. Corps Q., 1949, 22: 11.—**Effect** of ophthalmic drugs on penicillin solutions. Bumed News Lett., Wash., 1945, 5: No. 8, 11.—**German** substitute for penicillin; 3065. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 37.—**Gots, J. S., & Glazer, A. M.** Stability and activity of penicillin in solution and in ointment. War Med., Chic., 1945, 7: 168.—**Hesser, F. P., & Golland, M.** The effect of procaine on the inhibitory factor of penicillin. Mil. Surgeon, 1946, 98: 47.—**Holman, C. W.** Penicillin calcium in oil and beeswax. J. Mil. M. Pacific, 1946, 2: 54.—**Izgü, E.** Penicillin in kimyası, özellikleri ve muhafazası. Askerî sihhiye mecmuası, 1947, 76: No. 49, 37–42.—**Levaditi.** Penicillium corylophilum. CIOS Rep., Lond., 1944, Item 24,

No. I–9 & 10, II–9, 4.—**Liquid** versus solid penicillin in oil and wax; the effect of particle size and type of penicillin. Res. Program U. S. Army M. Res. Bd, 1947, July, 33.—**Luijk, van.** Penicillium. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 53.—**M., K. C.** Report of penicillin stocks. Bumed News Lett., Wash., 1944, **3:** No. 10, 13.—**Martínez-Arroyo, J. M.** Penicilina y laboratorio. Med. & cir. guerra, 1948, **10:** 350–6.—**Method** (A) for determining the size and relative weight of penicillin particles and its importance in preparing adequate preparations of liquid penicillin in oil and wax. Res. Program U. S. Army M. Res. Bd, 1947, July, 33–5.—**N., L. R.** Calcium penicillin. Bumed News Lett., Wash., 1944, **3:** No. 8, 3.

——— Sodium penicillin. Ibid., 4.—**Penicillin** (calcium) in oil and wax. Circ. Chief Surgeon's Off. U. S. Army Forc. Pacific, 1947, No. 2, 8.—**Penicillin** preservation. Bumed News Lett., Wash., 1944, **3:** No. 10, 13.—**Pharmaceutical** preparations of penicillin; summary of preliminary report of Flory & Cairns on use in North Africa and Sicily. Pharm. J., Lond., 1944, **98:** 28.—**Potter, J. M.** Novocain in penicillin. J. Canad. M. Serv., 1944–45, **2:** 255–7.—**Türkay, N.** Penicilline ve streptomycine solusyonlarının konservasiyonu [Conservation of penicillin and streptomycin solutions] Askerî vet. mecmuası, 1948, **26:** 158.—**Use** (The) of penicillin in beeswax and peanut oil. Treatm. Serv. Bull., Ottawa, 1946, 1: 8.

—— Poisoning.

See also **Dermatitis.**

Barksdale, E. E., Frost, D. M., & Nolan, J. J. Reactions from penicillin with case report of one fatality. U. S. Nav. M. Bull., 1948, **48:** 883–6.—**Benkwith, K. B.** Allergy to penicillin calcium topically in blepharoconjunctivitis. Ibid., 1946, **46:** 279.—**C., J. F.** Penicillin allergy. Bumed News Lett., Wash., 1944, **4:** No. 11, 6–8.—**Cormia, F. E., Jacobsen, L. Y., & Smith, E. L.** Reactions to penicillin. Bull. U. S. Army M. Dep., 1945, **4:** 694–702.—**Davis, J. S.** An instance of possible penicillin sensitivity. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 29, 32–6.—**Gandin, J.** Réaction urticarienne sévère rappelant celle de la maladie du sérum, consécutive au traitement par la pénicilline d'un érysipèle de la face. Rev. méd. nav., Par., 1948, **3:** 319.—**Gordon, E. J.** Serum sickness reaction to penicillin. Med. Bull. Medit. Theater U. S., 1945, **3:** 123–5.—**Hanson, P. S.** Contact dermatitis caused by commercial penicillin; a case report. Med. Bull. North Afr. Theater U. S., 1944, **2:** 118.—**Heinlein, J. A., Carpenter, C. C., & Duffy, B. J.,** jr. Aggravation of bacterids by penicillin; with a theory as to causation. U. S. Nav. M. Bull., 1946, **46:** 571–5.—**Krauel, L. H.** Penicillin reaction. Ibid., 749.—**Langdon, E.** Exfoliative dermatitis following the administration of penicillin. U. S. Armed Forces M. J., 1950, **1:** 210–3.—**Loveman, A. B., Marks, P. L., & Stritzler, C.** Contact dermatitis from penicillin with ocular manifestations. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 49–52.—**Macey, H. B., & Hays, T. G.** Allergic reactions to penicillin therapy; report of cases. U. S. Nav. M. Bull., 1945, **45:** 1143–6.—**Marsh, W. C., & New, W. N.** Dermatitis due to the preparation and administration of penicillin solution. Ibid., 1948, **48:** 391–4.—**Mendell, T. H., & Prose, P. H.** Severe allergic reactions to penicillin. J. Mil. M. Pacific, 1946, **2:** No. 2, 4.—**Nelson, L. M., & Sandt, K. E.** Contact dermatitis of the eyelids as a result of penicillin. Med. Bull. North Afr. Theater U. S., 1944, **2:** 62.—**Scarcello, N. S.** Warnings in use of penicillin. U. S. Nav. M. Bull., 1945, **45:** 77–9.—**Sullens, W. E.,** jr. Simulating serum-sickness reaction to penicillin. Ibid., 752–4.—**Toxicity** of 3065. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6c, 1–3.—**Wells, J. L., & Myers, W. P. L.** Delayed reaction to penicillin; report of four cases. U. S. Nav. M. Bull., 1948, **48:** 887–92.

—— Properties.

Darby, E. M. K., & Ness, D. J. The X-ray diffraction pattern of penicillin. 11p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–534, U. S. Nav. M. Res. Inst.

Majella Bijos, G. Aspectos químicos e terapéuticos da penicilina. Rev. med. mil., Rio, 1945, **34:** 121–7.

PENIS.

See also **Genitals, Injury, Gonorrhea; Syphilis; Venereal disease.**

Forster, I. A nemiszervek epidermoid tömlőiről. Honvédorvos, 1950, **2:** 223–5, illust.—**Levy, E.** Pulmonary tuberculosis and carcinoma of the penis; remarks on association of these diseases. Med. Bull. Veterans Admin., 1936, **13:** 172–5.—**Millspaugh, J. A.** Congenital torsion of the penis associated with balanic hypospadius; report of a case. U. S. Nav. M. Bull., 1949, **49:** 1131, illust.—**Moulson, G.** Carcinoma of the penis supervening on a venereal sore. J. R. Army M. Corps, 1935, **65:** 328–32.—**Passe, E. R. G., & Barry, T.** Phagedena of penis; restoration of tissue by pedicle flaps. J. R. Nav. M. Serv., 1941, **27:** 185–9.—**Popov, K.** Lečenje traumatične hipospadije penisa neoformacijom uretre na peteljci iz neposredne okoline. Voj. san. preg., Beogr., 1947, **4:** 264–7.—**Porter, F. J. W.** Report of a case of total extirpation of the penis, with castration. J. R. Army M. Corps, 1907, **8:** 187.—**Sargent, W. S.** Cancer of the penis. U. S. Nav. M. Bull., 1937, **35:** 473–4.—**Shindelkraut, B. I.** [Case report of hemangioma of the penis] Tr. Acad. mil. méd. Kiroff., 1936, 7: 269–71.—**Sniker, P. M.** Ulcus gangrenosum glandis penis. Voen. med. J., S. Peterb., 1913, **236:** Med. spec. pt, 279–83.—**Süreyya Atamal** [Case of gangrene of the penis] Askerî sıhhiye mecmuası, 1940, **69:** No. 31, 80.

—— Injury.

See also **Surgical technic,** Penis.

Bichelonne. Plaie par balle de revolver de la verge, du périnée et du rectum; guérison. Bull. Soc. méd. mil. fr., 1910, **4:** 320–4.—**Hoopes, B. F.** Chemical burn of the penis; report of a case. U. S. Nav. M. Bull., 1945, 44: 846.—**Iglesias y De la Torre, L., & Cuervo, T.** [et al.] Pérdida traumática de la piel del pene, escroto y periné; reporte de un caso. Bol. Hosp. milit., Habana, 1949, **2:** 1–5.—**O'Connor, G. B.** Penile reconstruction after traumatic fracture. U. S. Nav. M. Bull., 1945, **45:** 147–9.

—— Priapism.

Crosby, P. T., & Parsons, R. P. Priapism with report of a case. Bull. U. S. Nav. M., 1933, **31:** 153–6.—**Scheichl, F., & Betzendahl, W.** Commotio spinalis bei Schulterschuss insbesondere mit Priapismus. Deut. Militärarzt, 1943, **8:** 350–3.—**Schönfeld, W.** Priapismus durch Fliegeralarm. Derm. Wschr., 1943, **116:** 153–7.

PENOLOGY.

See **Punishment.**

PENSION.

See also **Disability allowance; Injury,** Compensation; **Instrument; Orphan; Retirement; War victim.**

Barcellos, J. J. Proyecto para crear el fondo de la caja de pensiones militares. Rev. mil. Perú, 1946, **43:** No. 9, 3; passim.—**Billiet, G. M. E.** Le médecin militaire et la loi des pensions; quelques indications pratiques. Rev. Serv. san. mil., Par., 1939, **111:** 1047–69.—**Bonneau.** Contribution à l'étude de la revision des pensions militaires. Arch. méd. chir. province, 1932, **22:** 176–84.—**Cénac.** Présomption légale d'origine et pensions militaires. Bull. Soc. clin. méd. ment., Par., 1923, **11:** 156–8.—**Dawson, M. M.** Service pensions and pension funds. Proc. Conf. Soc. Insurance (1916) 1917, 730–41; discuss., 756–62.—**Deleuze, E.** Les examens médicaux des pensionnés de la loi du 31 mars 1926 (pensions de guerre) Presse méd., 1926, **34:** 796.—**Dercle.** Pensions de retraité et gratifications de réforme. Paris méd., 1916–17, **21:** 323–7.—**Haffner, J.** Om laegenes pensjonering. Tskr. norske laegeforen., 1946, **66:** 797–801.—**Høst, H. F.** Krigspensjonering av sivilpersoner. Ibid., 1947, **67:** 562; 622.—**Horn.** La loi sur les pensions militaires et les soins aux réformés de la guerre. Paris méd., 1920, **36:** annexe, 9.—**Josse, H.** L'incorporation des jeunes soldats et la loi du 31 mars 1919 sur les pensions militaires. Bull. Soc. méd. mil. fr., 1921, **15:** 312–4.—**Langfeldt, G.** Krigspensjonering av sivilpersoner. Tskr. Norske laegeforen., 1947, **67:** 592; 653; 1948, **68:** 27.—**Laplagne, M. C.** Aperçu général sur les droits à pension; des veuves, orphelins, ascendants de militaires ou anciens militaires; au regard de la loi du 31 mars 1919 et des lois subséquentes. Rev. Serv. san. mil., Par., 1939, **110:** 717–26.—**Laquerrière, A.** Pensions de retraités et réformés, no. 1. Presse méd., 1916, **24:** 156.—**Lefas, A.** Les pensions en France. Interall. Conf. Aftercare Disabled Men, 1918, 2. Conf., 25–30.—**Medical** (A) officer's widow's pension. Lancet, Lond., 1943, **2:** 428.—**Metzger, C.** Fédération des syndicats médicaux de Maine-et-Loire; le conflit de la loi des pensions. Arch. méd. Angers, 1921, **25:** 7–12.—**Molin de Teyssieu.** Les déséquilibrés et la loi des pensions. Gaz. sc. méd. Bordeaux, 1921, **42:** 16.—**Ohldieck.** Krigspensjonering av sivilpersoner. Tskr. Norske laegeforen., 1947, **67:** 621; 694.—**Parant, L.** Le principe de la présomption légale d'origine et les conséquences de la loi du 31 mars 1919 sur les pensions militaires. Ann. méd. psychol., Par., 1922, 12. ser., **1:** 133–40.—**Petersen, L. K.** Krigspensjonering av sivilpersoner. Tskr. Norske laegeforen., 1947, **67:** 653.—**Service** pensions. Lancet, Lond., 1943, **2:** 105.—**Trillot, J.** A propos des pensions militaires; importance de la constitution de dossiers médicaux complets dans les hôpitaux militaires. Ann. méd. lég., 1947, 155–7.

—— Veterans.

See also **Disability allowance; Retirement.**

New York, U. S. A. Assembly. Act No. 351. Jan. 19, 1900. An act to provide a pension for medical officers in the service of the state hospitals, for disabilities incurred while in active service; introd. by Mr. Post. 2p. 8° Albany, 1900.

United States. Congress. 59. Congr., 2. sess. H. R. 21378. Dec. 6, 1906. A bill granting pensions to soldiers and sailors who have lost the sight of both eyes and to soldiers and sailors who are and may become bedridden, paralytic, utterly helpless, and painfully or permanently disabled from causes not occurring while in the military or naval service of the United States; introd. by Mr. Kline. 3p. 8° Wash., 1906.

Chavigny. Les pensions aux blessés et aux invalides de la guerre. Paris méd., 1915–16, **17:** 526–33.—**Chiurco, G. A.** Necessità di riformare le leggi assistenziali per i minorati in servizio militare; rieducazione al lavoro; raffronto tra leggi italiane e germaniche. Atti Accad. fisiocr. Siena, 1942, **10:** Stud. Fac. med. senese, 419–29.—**Ferrero di Cavallerleone.** Proposta di revisione delle tabelle delle categorie ferito e infermità per le pensioni privilegiate di guerra. Zacchia, 1921, **1:** 72–5.—**Galtier.** Discussion d'un vœu relatif à une modification de la loi des pensions pour les invalidités de guerre. Gaz. sc. méd. Bordeaux, 1921, **42:** 103. ——— **de Teyssieu** [et al.] [The same] Bull. Soc. méd. chir. Bordeaux, (1921) 1922, 18–20.—**Gourdon.** Le rendement professionel des malades de guerre et le relèvement du taux des pensions. Bull. Acad. méd., Par., 1923, 3. ser., **89:** 302.—**Herhold.** Die Rentenversorgung der Kriegsbeschädigten. Aerztl. Sachverst. Ztg., 1919, **25:** 149. ——— Schwierigkeiten bei der Beurteilung der Rentenversorgung Kriegsbeschädigter. Ibid., 1920, **26:** 49.—**Hincks, W. E.** The work of local committees in administering the Naval and Military War Pensions, etc., Act, 1915. Interall. Conf. Aftercare Disabled Men, 1918, 60–70.—**Jones, A. F.** The task of a local war pensions committee. Reveille, Lond., 1918, **1:** 119–24.—**Köster.** Die Bedeutung der Obduktion für die Beurteilung von Hinterbliebenenansprüchen. Münch. med. Wschr., 1939, **86:** 479.—**Langer.** Pensions for enlisted personnel discharged for disability after 6 years service (S. 1512) Congress. Rec., 1943, **89:** 9148.—**Loi** relevant le taux des pensions militaires pour infirmités en cas de cécité absolue ou d'amputation de deux membres. Rev. philanthrop., Par., 1917, **38:** 403.—**Malleterre.** L'assistance aux invalides absolus de la guerre réformés no. 1 et pensionnés. Rapp. Conf. interall. rééduc. profess., 1917, 309–12.—**Medical** bills in Congress; pensions for all persons who served 90 days. J. Am. M. Ass., 1941, **117:** 463.—**Mondolfo, L.** L'unification des lois sur les pensions aux mutilés et la création d'un Institut international entre tous les invalides de la guerre. Rev. interall. mutil. guerre, 1919, **2:** 130–6.—**Neumann.** Dienstbeschädigung und Rentenversorgung auf Grund der Kriegserfahrung. Berl. klin. Wschr., 1920, **67:** 135.—**Notes** on war pensions; information that should be of importance to all practitioners throughout the Dominion. Nat. Health Rev., Ottawa, 1940, **8:** 24–8.—**Pellegrini, R.** Concetti moderni nella organizzazione delle pensioni di guerra. Rass. internaz. clin. ter., 1926, **7:** 253–62.—**Penaud.** Guide du médicin de la marine pour l'application de la loi des pensions militaires d'invalidité du 31 mars 1919. Arch. méd. pharm. nav., 1930, **120:** 287–402.—**Pension** exemption. Current Leg. Thought, 1944–45, **11:** 378–80.—**Rieux.** Les barèmes d'invalidité dans l'application de la loi sur les pensions (loi du 31 mars 1919) Paris méd., 1921, **41:** 46–9.—**Romans, R.** Indennizzi agli invalidi di guerra. Gior. med. mil., 1920, **68:** 702.—**Royal** Warrant of April 17, 1918, regulating the pensions of soldiers disabled, and of the families and dependents of soldiers deceased. Reveille, Lond., 1918–19, No. 3, 519–49.—**Valentino, C.** Pensioni di guerra. Gior. med. mil., 1919, **67:** 1327.—**Van Roy, R.** Quelques considérations sur le Guide-Barème des invalidités. Paris méd., 1920, **35:** 37–40.—**Walker, R. M.** War pensions. Brit. M. J., 1943, **2:** 24.—**Weil, P. L.** War pensions from a medical point of view. Med. Leg. Crim. Rev., Lond., 1944, **12:** 97–9.

PENSION rating board.

See under **Disability,** Classification.

PENTAQUINE.

See under **Malaria,** Pharmacology.

PEPTIC ulcer.

See also **Stomach,** Disease.

Arias Schreiber, M. Ulceras gástricas y duodenales. Rev. san. mil., Lima, 1941, **14:** No. 41, 7–63, 4 pl.—**Egorov, P., Teodori, M., & Makarenko, A.** Jazvennaja bolezn. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 1283–300.—**Goodman & Andresen, A. F. R.** The peptic ulcer patient. Bull. U. S. Army M. Dep., 1948, **8:** 155–60.—**Gunther, L.** Aphorisms on peptic ulcer seen in the Naval service. U. S. Nav. M. Bull., 1948, **48:** 207–25.—**Hurst, A. F.** Gastric and duodenal ulcer. In his Med. Dis. War, 3. ed., Lond., 1943, 177–84.—**Phares, W. A.** Gastric and duodenal ulcer. U. S. Veterans Bur. M. Bull., 1927, **3:** 1005–17.—**Quadros Tejeiro, M. de.** La úlcera gastroduodenal. Med. & cir. guerra, 1946, **8:** No. 22, 15; passim.—**Villafañe, M. R., & Lascalea, M. C.** Ulcus duodenal y duodenitis en el medio militar. Rev. san. mil., B. Air., 1944, **43:** 1131–43. Also Prensa méd. argent., 1945, **32:** 1164–71.—**Zoia, L.** Ulcera gastrica e duodenale. Gior. med. mil., 1935, **73:** 210–2.

—— Diagnosis.

Anderson, W. S. The diagnosis of peptic ulcer. U. S. Veterans Bur. M. Bull., 1930, **6:** 1059–66.—**Breslav, S. S.** Titr komplemenata u jazvennykh bolnykh voennogo i poslevoennogo vremeni. Klin. med., Moskva, 1947, **25:** No. 9, 72–4.—**Campanelli, L., & Murani, L.** Considerazioni radiologico-chirurgiche sulla diagnosi e sulla cura dell'ulcera duodenale; casistica clinica. Ann. med. nav., Roma, 1949, **54:** 501–8, 2 pl.—**Cassidy, F. C.** Early diagnosis of gastric and duodenal ulcer. U. S. Veterans Bur. M. Bull., 1926, **2:** 276–80.—**Chamberlin, D. T.** A plan for standardization of diagnosis and treatment of peptic ulcer. Mil. Surgeon, 1943, **93:** 157–64.—**Del Río, A.** Sintomatología típica y atípica del ulcus gastroduodenal. Rev. san. mil., Madr., 1936, **26:** 230–42.—**Fernández Gervas, D.** Diagnóstico diferencial radiológico del ulcus duodenal. Med. & cir. guerra, 1948, **10:** 493.—**Fitzsimmons, C. E.** Roentgenological diagnosis of gastric and duodenal ulcer. U. S. Veterans Bur. M. Bull., 1926, **2:** 270–5.—**Hall, J. W.,** jr. Benign peptic ulcer as a diagnostic problem. Mil. Surgeon, 1946, **98:** 119–25.—**Hernandez Bermejo, F.** Algo sobre la búsqueda de los nichos. Rev. méd. mil., Méx., 1938, **1:** No. 5, 23–30.—**Kress, C. C.** Gastric retention in peptic ulcer. U. S. Nav. M. Bull., 1935, **33:** 35–44.—**Madranges & Chevat, H.** Un diagnostic trop facile, celui d'ulcère gastro-duodénal. Bull. Soc. méd. mil. fr., 1949, **43:** 145.—**Magruder, C. L.** The diagnosis of ulcers of the stomach and of the duodenum. U. S. Veterans Bur. M. Bull., 1930, **6:** 580–3.—**Molinier, Rescanières & Pédoya.** Un diagnostic trop facile, celui d'ulcère gastro-duodénal. Bull. Soc. méd. mil. fr., 1948, **42:** 54–6.—**Nicholson, J. H.** Diagnosis of duodenal ulcer at station hospitals. Air Surgeon Bull., 1945, **2:** 114.—**Paladino, P.** La sintomatologia dell'ulcera peptica postoperatoria; rilievi su 50 casi. Gior. med. mil., 1939, **87:** 687–709.—**Rybinsky, A. D.** Klassifikacija jazvennoj bolezni. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 474–509.—**Santiago, P.** Considerações sobre o diagnóstico radiológico das úlceras do estômago e do duodeno. Rev. med. mil., Rio, 1947, **36:** 169–74.—**Uffreduzzi, O.** Diagnosi e terapia dell'ulcera gastro-duodenale. Gior. med. mil., 1933, **81:** 822–9.

—— Disability.

Ruoss, E. *Die Beurteilung der Magenleiden, speziell des Ulcus ventriculi, durch die Eidgenössischen Militärversicherung [Zürich] 20p. 8° Bern, 1927.

Also Schweiz. Zschr. Unfallk., 1927.

Albery, I. Duodenal ulcers in invalided men. Brit. M. J., 1942, **2:** 502.—**Disposition** of peptic ulcer cases. Statist. Navy M., 1947, **3:** No. 10, 6–10.—**Gutzeit.** Ulcus ventriculi und duodeni und seine Behandlung unter dem Gesichtspunkt der Wehreinsatzfähigkeit. Deut. med. Wschr., 1944, **70:** 80. ——— **Kalk** [et al.] [The same] Klin. Wschr., 1943, **22:** 765.—**Katsch.** Einsatzmöglichkeit Ulcuskranker. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 134–42. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 157–66.—**Stein.** Einsatzmöglichkeiten Ulcuskranker. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 130–4. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 152–6.—**Tidow, R.** Die Wehrdienstfähigkeit von Ulkusträgern im allgemeinen und die Bordverwendungsfähigkeit im speziellen unter Berücksichtigung der Aktivität des Krankheitsprozesses; die Möglichkeiten therapeutischer Massnahmen im Rahmen der Kriegsernährung. Veröff. Marine San., 1943, H. 35, 3–58.

—— Forensic aspect.

See also subheadings (Pathogenesis—in wartime)

Hauser, G. Duodenalgeschwür mit Perforation als Kriegsdienstfolge? Aerztl. Sachverst. Ztg, 1934, **40:** 299–303.—**Kalk, H.** Zur Frage der Kriegsdienstbeschädigung beim Geschwür des Magens und Zwölffingerdarmes. Ibid., 1933, **39:** 325–34. ——— Duodenalgeschwür mit Perforation als Kriegsdienstfolge. Ibid., 1934, **40:** 331.—**Schlosser.** Magen und Darmulkuskrankheit in Beziehung zur Wehrdienstbeschädigung. Münch. med. Wschr., 1943, **90:** 371–3.

—— Incidence.

Baumgartner, M. M. Peptic ulcer in naval personnel. U. S. Nav. M. Bull., 1945, **44:** 995–9.—**Brown, F. R.** Duodenal ulcer battalions. Brit. M. J., 1942, **2:** 530.—**Chamberlin, D. T.** Peptic ulcer and irritable colon in the Army. Am. J. Digest. Dis., 1942, **9:** 245–8.—**Crohn, B. B.** Inequities of the Selective Service. Gastroenterology, 1943, **1:** 115.—**Djukitch, N.** [Ulcer of the stomach and duodenum in the Yugoslavian Army] Voj. san. glasnik, 1931, **2:** 86–107.—**Factors** influencing the incidence of peptic ulcer. Statist. Navy M., 1947, **3:** No. 11, 8–10.—**Friedman, M. H.** Peptic ulcer and functional dyspepsia in the Armed Forces. Gastroenterology, 1948, **10:** 586–606.—**Garland, L. H.** Peptic ulcer in a Naval hospital, 1944; some

roentgenologic findings. Stanford M. Bull., 1945, 3: 114–20.—**Incidence** of peptic ulcers in the Navy. Statist. Navy M., 1947, 3: No. 9, 2–5.—**Kirk, R. C.** Peptic ulcer as it occurred at a station hospital; a report of 207 consecutive cases. Ohio M. J., 1945, 41: 532.—**Loder, H. B., & Kornblum, S. A.** Duodenal ulcer in a large army camp; incidence and statistical analysis. Mil. Surgeon, 1945, 96: 492–7.—**Peptic** ulcer and the recruiting boards. Brit. J. Radiol., 1942, 15: 268.—**Thomas, H. M.,** jr. Peptic ulcer in the Army. South. M. J., 1943, 36: 287–91.—**Tidy, H.** Peptic ulcer and dyspepsia in the Army. Brit. M. J., 1943, 2: 473–7.—**Walters, W., & Butt, H. R.** Gastric and duodenal ulcers in the Naval personnel. Surgery, 1943, 14: 473 (Abstr.)

—— Pathogenesis.

See also other subheadings (Forensic aspect—in wartime)

RUESCH, J., CHRISTIANSEN, C. [et al.] Duodenal ulcer; a sociopsychological study of naval enlisted personnel and civilians. 118p. 27cm. Berkeley, 1948.

Alatorre y Padilla, C. Algunos casos de hiperclorhidria y de ulcera gastro-duodenal. Mem. Convenc. méd. mil. mex., 1936, 274–6.—**Cheney, G.** Peptic ulcer and nutrition. Mil. Surgeon, 1944, 95: 446–54.—**Erőss, J.** A gyomorhurut-fekélybetegség kérdése honvédorvosi szemmel. Honvédorvos, 1950, 3: 390–401.—**Kratzer, H.** The anti-ulcer factor. Project Rep. Com. Food Res. Quartermast. Gen., 1945, NU–7, Rep. 3, 1–9. ——— & **Vance, A. M.** The anti-ulcer factor. Ibid., 1.—**Majocchi, A.** Das Drama des Magengeschwürs. In his Nachtwachen, Frauenfeld, 1946, 76–93.—**Manni, G.** Sull'eziopatogenesi dell'ulcera gastro-duodenale. Gior. med. mil., 1938, 86: 467–78.—**Rush, A.** Gastrointestinal disturbances in the combat area; preliminary observations on peptic ulcer. J. Am. M. Ass., 1943, 123: 389–91.—**Vejar Lacave, C., & González Reina, C.** Medicina psicosomática y úlcera péptica. Bol. san. mil., Méx., 1949, 2: 397–407.

—— Pathology.

Cummins, G. M., jr, **Grossman, M. I., & Ivy, A. C.** Healing time in peptic ulcer. Bull. U. S. Army M. Dep., 1946, 6: 288–301.—**Kahlstrom, S. C.** Giant ulcer of the duodenum. Med. Bull. Veterans Admin., 1943–44, 20: 451.—**Picardi, G.** Le ulcere di frontiera. Arch. ital. chir., 1936, 44: 29–42.

—— perforated.

Anderson, N. W. Surgical management of perforated duodenal ulcer; three case reports. Circ. M. Sect. Far East Command, 1947, No. 12, 8–16.—**Bell, L. G., Owens, J. C., & MacMurtrie, W. J.,** jr. Dual perforated peptic ulcer and duodenal fistula. U. S. Nav. M. Bull., 1947, 47: 937–44.—**Chamberlin, D. T., & Wallace, W. C.** Perforated peptic ulcer in an Army General Hospital. Mil. Surgeon, 1943, 92: 193–6.—**Crandon, J. H.** Perforated peptic ulcer. U. S. Nav. M. Bull., 1942, 40: 908–14.—**Dimitrescu Popovici.** Dificultăţi şi erori in diagnosticul ulcerului digestiv perforat. Rev. san. mil., Bucur., 1934, 33: 386–93.—**Efectos** de los fuertes bombardeos aéreos, sobre la incidencia en la perforación de la úlcera gastro-duodenal. Bol. Sanat. Rafael Lavista, Veracruz, 1942–43, 3: No. 7, 7.—**Heim, W.** Vermehrung der Magengeschwürsdurchbrüche im Kriege. Zbl. Chir., 1944, 71: 1106–23.—**Johnson, F. H., & Kearney, E. A.** Rapid healing of a perforating peptic ulcer following vagotomy; report of a case. U. S. Nav. M. Bull., 1948, 48: 792–4.—**Mayr, S.** Zunahme der Magengeschwürsdurchbrüche im Kriege? Wien. med. Wschr., 1948, 98: 205–7.—**Olivares Bel, R.** Dos gastroectomías de urgencia por ulcus perforado gastro-duodenal. Rev. san. mil., Madr., 1934, 24: 129–40.—**Perforated** peptic ulcers. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 1, 37–9. Also In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 247.—**Perrignon de Troyes & Robine.** La radiologie d'urgence dans les perforations d'ulcères gastro-duodénaux. Bull. Soc. méd. mil. fr., 1938, 32: 522.—**Quadros Tejeiro, M. de.** Resumen crítico de las perforaciones gastroduodenales. Med. & cir. guerra, 1949, 11: 165–70.—**Riley, I. D.** Perforated peptic ulcer in war-time. Lancet, Lond., 1942, 2: 485.—**Rogers, L.** Perforated gastric and duodenal ulcers. J. R. Nav. M. Serv. 1929, 15: 1–6.—**Seeley, S. F., Hogan, E.** [et al.] Nonoperative treatment of perforated duodenal ulcer. Bull. U. S. Army M. Dep., 1949, 9: 124–30.—**Slany, A.** Häufung der Ulkusperforationen seit Kriegsbeginn. Bull. War M., Lond., 1942–43, 3: 219 (Abstr.)—**Volpi, J. P.** Ulcus perforado gastrointestinal; sesenta y dos observaciones, dieciséis personales. Rev. san. mil., B. Air., 1938, 37: 1008–19. ——— Ulcus perforado gastrointestinal. Ibid., 1945, 44: 393–403.

—— Problems.

Berk, J. E., & Frediani, A. W. The peptic ulcer problem in the Army. Gastroenterology, 1944, 3: 435–42.—**Bethea, J. M.** The problem of peptic ulcer in the military service. Memphis M. J., 1946, 21: 152.—**Garbat, A. L.** Problems of peptic ulcer in the Armed Forces and in the returned soldiers. N. York State J. M., 1946, 46: 894–901.—**Hook, F. R., & Keane, R. H.** The plight of the ulcer patient in military service; study of 306 enlisted personnel with duodenal ulcer. U. S. Nav. M. Bull., 1945, 44: 519–29.—**Hussar, A. E.** The ulcer problem among military personnel during World War II and its postwar sequels. Mil. Surgeon, 1948, 103: 392–6.—**Mancke, R., & Tidow, R.** Das Problem des magenkranken Soldaten. Münch. med. Wschr., 1944, 91: 168–71.

—— Surgery.

See also subheading (perforated)

RUFFIN, J. M. Vagotomy in the treatment of peptic ulcer. 8p. 27cm. Wash., 1947.
Forms Techn. Bull. TB 10-39, U. S. Veterans Admin.

Andrieu, H. Les indications du drainage au Mickulicz après les interventions chirurgicales dans les ulcères perforés gastro-duodénaux. Arch. méd. pharm. mil., 1934, 100: 55–78.—**Bergman, P. A., French, S. W.,** III, & **Seeley, S. F.** Experience with vagotomy in the treatment of peptic ulcer. Mil. Surgeon, 1949, 104: 331–6.—**Canto, N.** La intervención operatoria en las hemorragías graves por ulcus. Rev. españ. med. cir. guerra, 1945, 7: 111–3.—**Davis, D. D.** Vagotomy; resection of vagus nerves for peptic ulcer. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, 4: 78–108.—**Dimković, D.** Hirurško lečenje ulkusa ventrikuli i duodeni. Voj. san. pregl., Beogr., 1948, 5: 363–70.—**Gardner, C.** Review of results of surgical treatment of peptic ulcer with special reference to vagotomies. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 4, 13–7.—**González, A.** Terapéutica quirúrgica de las úlceras gastro-duodenales. Rev. san. mil., Habana, 1937, 1: No. 2, 51–7.—**Haugseth, K.** [Investigations on gastro-duodenal ulcers operated in the naval hospital for the period of 1919–31] Norsk mag. laegevid., 1932, 93: 1060–6.—**Huggard, R.** Review of results of surgical treatment of peptic ulcer with special reference to vagotomies. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 4, 18–28.—**Johnson, F. H., & Kearney, E. A.** Vagus neurectomy in peptic ulcer; analyses of 60 cases. U. S. Nav. M. Bull., 1949, 49: 475–87.—**Judin.** El tratamiento quirúrgico de la úlcera de estómago y duodeno, en el Instituto de cirugía de urgencia Klifosovski, de Moscú. Rev. san. mil. argent., 1948, 47: 516–8.—**Lowe, E. S.** Vagotomy in the treatment of peptic ulcers. U. S. Nav. M. Bull., 1947, 47: 785–95.—**MacKinnon, D. C.** The surgical management of massive hemorrhage from gastric and duodenal ulcers. Surg. Staff Semin. Minneapolis Veterans Hosp., 1949, 6: 149–73.—**McNamara, W. E.** Surgical aspects of peptic ulcer. Med. Bull. Europ. Command, 1948, 5: No. 7, 19–24.—**Nefedova, L. A.** K voprosu o prigodnosti k voennoj službe lic, perenesšikh operativnoe vmešatelstvo po povodu jazvennoj bolezni. Voen. med. J., Moskva, 1945, March, 21–30.—**Owens, E. R.** Surgical treatment of the peptic ulcer. Med. Bull. Europ. Command, 1949, 6: No. 7, 45–9.—**Standard, S.** The surgical management of peptic ulcers. Bull. U. S. Army M. Dep., 1948, 8: 310–5.—**Ticuşan, P.** Consideraţiuni asupra rezecţiilor largi de stomac in ulcerul gastro-duodenal. Rev. san. mil., Bucur., 1937, 36: 723–9.

—— Treatment.

Anderson, W. S. Cevitamic acid in the treatment of peptic ulcer with hemorrhage. Med. Bull. Veterans Admin., 1939–40, 16: 351. ——— The treatment of gastric and duodenal ulcers by the aluminum hydroxide drip. Ibid., 1942–43, 19: 419–23.—**Ballesteros Altamirano, G.** Pautas de tratamiento de la úlcera péptica seguidas en el Hospital central militar. San. mil., Méx., 1948, 1: 112–7.—**Benedict, M. M.** Peptic ulcer and the larostidin treatment; a report on its use in 132 cases. Mil. Surgeon, 1938, 83: 401–20.—**Boller, R., & Ehrlich, H.** Die Behandlung von ulkuskranken Soldaten. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 357–67.—**Borgard, W.** Beitrag zum Ulcusproblem und über Grenzen der konservativen Geschwürsbehandlung. Deut. Militärarzt, 1943, 8: 322–7.—**Brühl, W.** Die Diätbehandlung des Ulkus und der Gastritis im Kriege. Deut. med. Wschr., 1942, 68: 1166–8. ——— Die Behandlung des Ulcus und der Gastritis im Kriege. Klin. Wschr., 1942, 21: 951–4.—**Brunschwig, A. E.** Sippy treatment for peptic ulcer in naval hospitals. U. S. Nav. M. Bull., 1927, 25: 871–4.—**Denning.** Die Behandlung des Ulcus ventriculi und Ulcus duodeni in den Heimatlazaretten. Vjschr. schweiz. Sanitätsoff., 1943, 20: 128 (Abstr.)—**Domínguez Navarro, L.** Aminoácidos y ulcus gastroduodenal. Med. & cir. guerra, 1949, 11: 259–66.—**Fotheringham, J. B.** Medical treatment of gastric and duodenal ulcers and post-ulcer regime. J. R. Army M. Corps, 1932, 59: 416–27.—**Freed, H., & Butzke, E. J.** Treatment of gastroduodenal hemorrhages due to peptic ulcer. Med. Bull. Veterans Admin., 1940–41, 17: 229–31.—**Gianelli, V. J., & Bellafiore, V.** The fundamental importance of diet in the treatment of peptic ulcer in an Army general hospital; with special reference to vitamin U therapy. Med. Clin. N. America, 1945, 29: 706–13.—**Gunther, L.** A clinical note on the use of desoxycorticosterone acetate in the treatment of duodenal ulcer. U. S. Nav. M. Bull., 1946, 46: 1743–5.—**Hardy, T. L., & Hurst, A.** Wartime diet for peptic ulcer. Brit. M. J., 1943, 2: 725.—**Hinricsson, H.** [Larostidin in treatment of gastroduodenal ulcer] Tskr. mil. hälsov., 1937, 62: 11–7.—**Hurst, A.** Wartime diet for peptic ulcer patients. Brit. M. J., 1943, 2: 523.—**Ismet.** Case of peptic ulcer treated by Roentgen rays. Askerî sihhiye mecmuası, 1935, 64: 19–29.—**Judd, M. H., & Brown, P. F.** The treatment of intractable bleeding duodenal ulcer. Med. Bull. Veterans Admin., 1939–40, 16: 70–2.—**Liebowitz, H. R.** Newer aspects of treatment of peptic ulcer.

Bull. U. S. Army M. Dep., 1948, **8**: 402–8.—**Overstreet, S. A.** Medical treatment of peptic ulcers. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 6, 18; No. 7, 7.—**Ramsay, F. G.** The management of peptic ulcer. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 48–53.—**Reeser, R.**, jr, & **Guthrie, M. B.** The management of Army personnel with peptic ulcer; an analysis of 200 cases. Mil. Surgeon, 1946, **98**: 125–31.—**Ricen, E.** An evaluation of recent trends in the medical treatment of peptic ulcer. U. S. Nav. M. Bull., 1937, **35**: 460–7.—**Rowe, J. B. W.** Wartime diet for peptic ulcer patients. Brit. M. J., 1943, **2**: 464; 619.—**Walters, W., & Butt, H. R.** Management of ulcers among Naval personnel. Ann. Surg., 1943, **118**: 489–98. Also Tr. Am. Surg. Ass., 1943, **61**: 489–98.

——— The treatment of Naval personnel with peptic ulcer. U. S. Nav. M. Bull., 1943, **41**: 1679–82.—**Zetzel, L.** Experiences with peptic ulcer in an Army station hospital. Gastroenterology, 1944, **3**: 472–9.

—— in wartime.

See also other subheadings.

KALK, H. Das Magen- und Zwolffingerdarmgeschwür im Kriege. 69p. 21cm. Lpz., 1945.

De Witte, J. L'influence de la guerre mondiale sur la fréquence et la localisation des ulcères gastro-duodénaux. Acta gastroenter. belg., 1946, **9**: 396–406; Disc., 351–3.—**Fogarasi, D.** Ein anatomischer Beitrag zur Häufigkeit des Ulcus pepticum in den Kriegsjahren 1941–43. Mitt. Grenzgeb. Med. Chir., 1944, **47**: 20–47.—**Géronne, A.** Ueber das Ulcus pepticum im Kriege mit Bemerkungen zu seiner Pathogenese und Therapie. Deut. med. Wschr., 1943, **69**: 121–6.—**Haak, A.** Het veelvuldig voorkomen van maagzweren gedurende de oorlogsjaren. Geneesk. gids, 1947, **25**: 299–309.—**Henning.** Ueber eine neue kriegsbedingte Form des Ulcus pepticum. Deut. med. Wschr., 1944, **70**: 81. ——— & **Czerwensky, A.** Das Kriegsulkus, eine neue und kriegsbedingte Form des Ulcus pepticum. Ibid., 439–42.—**Jordans, G. H. W.** Acute maagzweer in oorlogstijd. Ned. tschr. geneesk., 1946, **90**: 87–9.—**Kogan-Jasny, V. M.** [Some peculiarities of clinical aspect and therapeutics of ulcerous disease of wartime] Klin. med., Moskva, 1944, **22**: No. 4, 12–5. Also English transl., Am. Rev. Soviet M., 1944–45, **2**: 233–7.—**Mirault-Kretchmar, M.** Recrudescence des ulcères gastro-duodénaux au cours des années 1939–44 et alimentation en période de guerre. Gastroenterologia, Basel, 1945, **70**: 225–69.—**Nikolaev, P. N.** [Gastric ulcers in wartime] Klin. med., Moskva, 1943, **21**: No. 3, 3–8.—**Rothe H.** Zunahme der Magen- und Zwölffingerdarmgeschwüre im Kriege? Deut. med. Wschr., 1941, **67**: 810–4.—**Sällström, T.** The ulcer and wartime; a study of the Serafimer Hospital's ulcer cases in recent years. Acta med. scand., 1945, **120**: 288–304.—**Schwartz, L. S., & Abeshaus, M. A.** [Ulcerous disease of wartime] Klin. med., Moskva, 1944, **22**: No. 4, 74–7.—**Stolte, J. B., & Beaumont, P.** L'ulcère peptique en temps de guerre. Schweiz. med. Wschr., 1944, **74**: 1058.—**Tecoz, R. M.** L'ulcus gastro-duodénal a-t-il augmenté de fréquence depuis le début de la guerre et par suite des restrictions alimentaires? Praxis, Bern, 1944, **33**: 212–5.—**Zaicev, M. G.** [Certain characteristics of peptic ulcer in war time] Sovet. med., 1943, **7**: No. 7, 15–7.

PERCAINE.

See also **Novocain; Surgical technic,** Anesthetization.

Brahu, C., Popa, V., & Piuaru, C. [Percain in spinal anesthesia] Rev. san. mil., Bucur., 1934, **33**: 596–600.—**Brugeas.** Remarques au sujet de l'emploi de la percaïne en rachi-anesthésie. Arch. méd. pharm. nav., 1934, **124**: 15–21.—**Hunter, J. H. G.** Percaine spinal anaesthesia. J. R. Army M. Corps, 1933, **61**: 26–30.—**Mackenzie, K. P., & Pinkerton, J. M.** Percaine spinal anaesthesia. Ibid., 31–6.—**Sinovitch, I. M.** Local anaesthesia by sovcaine infiltration; preliminary communication. Bull. War M., Lond., 1941–42, **2**: 305 (Abstr.)

PERCEPTION.

See also **Depth perception.**

NOBLE, C. E. The perception of the vertical; the visual vertical as a function of centrifugal and gravitational forces. 19 l. 27cm. Pensacola, 1949.

Forms Jt Proj. Rep. No. 7, Res. Proj. No. NM 001 037, U. S. Nav. School Aviat. M.

PASSEY, G. E., & GUEDRY, F. E., jr. The perception of the vertical; adaptation effects in four planes. 11 l. 26½cm. Pensacola, 1949.

Forms Rep. No. 6, Proj. No. NM 001 037, Res. Rep. U. S. Nav. School Aviat. M.

VERNON, M. D. The assessment of perceptual ability. 8 l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 665, Gr. Britain Flying Pers. Res. Com.

——— Further experiments on the assessment of perceptual ability. 7 l. 29cm. Lond., 1946.

Forms F. P. R. C. No. 665a, Gr. Britain Flying Pers. Res. Com.

Breton, W. K. D. A brief consideration of the importance of a precise knowledge of the simpler mental processes in higher gunnery ratings and with special reference to reaction time and perception efficiency. J. R. Nav. M. Serv., 1922, **8**: 191; 269.—**Killian, F., & Buel, J.** Personnel selection and classification procedures; perceptual tests. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 25.

PERFORMANCE.

See such terms as **Acceleration; Altitude; Anoxia; Aviator,** Performance test; **Fitness,** Tests. For performance of equipment see such terms as **Oxygen equipment; Oxygen mask,** etc.

PERIARTERITIS nodosa.

See **Polyarteritis.**

PERICARDIUM.

See under **Heart.**

PERINEPHRIC abscess.

See under **Kidney,** Disease.

PERIODICALS.

See **Journals.**

PERIODIC equine ophthalmia.

See under **Ophthalmia.**

PERIODICITY.

See under **Physiology.**

PERIODONTIUM.

See also **Paradentosis.**

Hilak, V. E. [Suppurative affections of the soft periodontal parts] Voj. san. glasnik, 1938, **9**: 519–23.—**Mosher, D.** Nutrition as a factor in periodontal conditions. Mil. Surgeon, 1939, **85**: 506–8.—**Roff, F. S., & Glazebrook, A. J.** The therapeutic application of vitamin C in peridental disease. J. R. Nav. M. Serv., 1939, **25**: 340–8.—**Schlack, C. A.** Rate of occurrence of epithelial tissue in periapical lesions. U. S. Nav. M. Bull., 1944, **42**: 158–9.—**Studies** on the etiology of periodontitis. Res. Program U. S. Army M. Res. Bd, 1947, July, 94; 1948, Jan., 171.

PERIPHERAL nerve.

See **Nerve; Neurosurgery,** Methods: Peripheral nerve.

PERISCOPE.

UNITED STATES. ARMORED MEDICAL RESEARCH LABORATORY. Project No. 6: Vision in tanks; partial report on Sub-Project No. 6–1: Determination of the visual requirements for various tasks in armored vehicles, spotting, gunnery, driving, etc.; eye cups, head-rests and head clearances. v. p. 28cm. Fort Knox, 1944.

——— Project No. 6: Vision in tanks; partial report on Sub-Project No. 6–6: Investigation of periscopic binocular spotters; eye cups, head-rests and head clearances. v. p. 28cm. Fort Knox, 1944.

——— Project No. 48: Report on Project No. 48: Report on periscopic sight T8 and mount T105. v. p. 28cm. Fort Knox, 1944.

PERISTON.

See **Blood transfusion,** Material: Substitutes of blood: Periston.

PERITONEAL cavity.

See also subsequent headings; also **Pneumoperitoneum; Surgical technic,** Abdominal surgery.

Blanchard, P. A. La laparoscopie. Bull. internat. Serv. santé, Liége, 1948, **21**: 161–72.—**La Terza, E.** Ricerche sulla funzione protettrice della iperleucocitosi della cavità peritoneale. Ann. med. nav., Roma, 1932, **38**: 178–89, 4 ch.—**Morrison, O. B., jr, & Griswold, W. R.** Intraperitoneal hemorrhage following appendectomy; report of a case. U. S. Nav. M. Bull., 1943, **41**: 505–7.—**Naulleau, J.** L'autotransfusion dans les hémorragies intra-péritonéales pures. Bull. War M., Lond., 1942–43, **3**: 616 (Abstr.)—**Pérez Vázquez, S.** Derrames sanguíneos en relación con el peritoneo. Rev. san. guerra, 1937, **1**: 240–5.—**Velasco, R. N., Torrassa, O. A., & Antelo, J. N.** Cuerpo extraño (compresa de gasa) migratorio, en cavidad peritoneal. Rev. san. mil., B. Air., 1942, **41**: 821 (Abstr.)

PERITONEUM.

See also **Peritoneal cavity.**

Aoki, K. Kaihuku-syuzyutu, hukukō-nai kūki mata-wa syokuen-sui tyūnyū, hukubu roentgensen hōsya oyobi kanzō kinō no saikin-kansen ni tai-suru hukukō no teikō-ryoku ni oyobosu eikyō ni kan-suru zikken-teki kenkyū [Experimental studies on the effect of laparotomy, injection of air or saline solution into the abdominal cavity, roentgen irradiation of the abdominal wall, and liver function upon peritoneal resistance to infection] [137]p. 26cm. Tōkyō, 1931.

Gun idan zassi, 1931, 2175; 2410.

Béraud. Y a-t-il un péritoine indigène? Bull. Soc. méd mil. fr., 1925, **19**: 101–6.—**Bonnet.** Phlegmons de l'espace pelvi-rectal supérieur. Bull. Soc. méd. mil. fr., 1938, **32**: 344–8.—**Hamilton, W. M.** A case of ascites in the Atlantic [i. e., from metastatic cancer] J. R. Nav. M. Serv., 1943, **29**: 71.—**Maeda, K.** Hukumaku yūtyaku ni oyobosu kōzyōsen no eikyō ni kan-suru zikken-teki kenkyū [Experimental research on the effect of the thyroid gland on peritoneal adhesion] Kaigun gun-ikai zassi, 1928–29, **17**: 96–105.—**Smith, B. H., jr.** Mesothelioma of the peritoneum. U. S. Nav. M. Bull., 1948, **48**: 787–91.—**Stalnaker, P. R., & Shepard, G. W.** Tolerance of the peritoneum rarely seen. Ibid., 1911, **5**: 489.—**Trehair, E. B.** A case presenting an abnormal peritoneal layer covering the small bowel. J. R. Army M. Corps, 1944, **82**: 185.

PERITONITIS.

Casella, D. Le peritoniti acute nella pratica ospedaliera militare. p.373–477. 24cm. Roma, 1933.

Arch. Soc. ital. chir., 1933, **39**:

Fauley, G. B., Duggan, T. L. [et al.] The use of penicillin in the treatment of peritonitis; an experimental study. 9p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–332, U. S. Nav. M. Res. Inst.

Bejarano, J. F. R. La quimioterapia moderna en el tratamiento de las infecciones peritoneales sépticas a cocos y bacilos. Rev. san. mil., B. Air., 1942, **41**: 238–63.—**Câpruciu, G.** Consideraţiuni generale asupra plăgilor multiple intestinale, intr'un caz de plagă abdominală prin înţepare cu baioneta, cu perforatii intestinale multiple şi peritonita supra-acută. Rev. san. mil., Bucur., 1937, **36**: 417–20.—**Casella, D.** Le peritoniti acute nella pratica ospedaliera militare. Gazz. osp., 1932, **53**: 1588–98. Also Gior. med. mil., 1932, **80**: 1009–25. Also Arch. ital. chir., 1933, **33**: 846–63.—**Caviglia, A.** Peritonitis aguda; su tratamiento. Rev. san. mil., B. Air., 1942, **41**: 854–7.—**Chambers, W. E.** General peritonitis: report of an unusual case. Med. Bull. Veterans Admin., 1934, **10**: 247.—**Chemotherapy** in posttraumatic peritonitis; extract from report by P. R. Imes. Bull. U. S. Army M. Dep., 1945, No. 87, 11.—**Cleave, H. L.** Report of a successful operation for general peritonitis, the sequela of a 36 hours previous perforation of a pelvic diverticulitis. J. R. Nav. M. Serv., 1942, **28**: 184.—**Crosnier, Boron & Scarbonchi.** Un cas de péritonite par perforation de pathogénie douteuse. Bull. Soc. méd. mil. fr., 1949, **43**: 73.—**Dackevich, A. P.** K etiologii probodnogo peritonita. Voen. med. J., S. Peterb., 1909; **225**: Med. spec. pt, 656–65.—**Girgolav, S.** Peritonit. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 468–75.—**Gömöry, K.** Ein Fall von Pneumokokken-Peritonitis. Militärarzt, 1908, **42**: 230.—**Goez, Y.** Remarques sur les affections aiguës abdominales constatées chez les Malgaches et Sénégalais du corps d'occupation de la côte française des Somalis; appendicites; péritonites à pneumocoques. Méd. trop., Marseille, 1941, **1**: 488–99.—**Hejduk, B.** [Origin and treatment of traumatic peritonitis in war] Voj. zdrav. listy, 1938, **14**: 2–35. ——— Contribution to the treatment of traumatic peritonitis. Mil. Surgeon, 1944, **94**: 250–4.—**Karwacki, L., & Naskrecki, S.** [Case of latent streptococcal peritonitis] Lek. wojsk., 1926, **8**: 17–22.—**Kliszowski, Léculée & Duchesne.** Utilité de la streptomycine dans un cas de péritonite généralisée d'origine appendiculaire. Bull. Soc. méd. mil. fr., 1949, **43**: 24.—**Korczakowski, J.** [Acute intestinal occlusion due to chronic fibrous peritonitis with cystic tendency] Lek. wojsk., 1932, **19**: 134–40.—**Morton, H. S.** Streptomycin in peritonitis and in pre-operative preparations for bowel surgery. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 6, 21–3.—**Nores, A.** Las peritonitis del postoperatorio en los heridos de abdomen. Rev. san. mil., B. Air., 1939, **38**: 493–504.—**Opresecu, D., & Sonea, O.** [Case of primary pneumococcic peritonitis in a child] Rev. san. mil., Bucur., 1932, **31**: 195–8.—**Penicillin** therapy for peritonitis. Statist. Navy M., 1947, **3**: No. 5, 8.—**Penicillin** in the treatment of generalized peritonitis. Bumed News Lett., Wash., 1944, **4**: No. 3, 9.—**Peritonitis,** acute. Statist. Navy M., 1948, **4**: 6–8.—**Piana, G.** La sieroterapia specifica nelle peritoniti acute. Ann. med. nav., Roma, 1947, **52**: 87–94.—**Raymond, G. H.** Pneumococcal peritonitis with perforation of duodenum. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 8, 70–2.—**Streptomycin** therapy in peritonitis. Ibid., 1948, **3**: No. 6, 13.—**Thomas, J. R., & Thompson, F. G.,** jr. Penicillin in treatment of fulminating general peritonitis; report of a confirmed case. U. S. Nav. M. Bull., 1946, **46**: 1113–6.—**Tokunō, R.** Kyū-sei hanpatu-sei hukumaku-en banki no syuzyutu-teki ryōhō [Die operative Behandlungsweise im Spätstadium der akuten, diffusen Bauchfellentzündung] Gun idan zassi, 1931, 237–46.—**Wilson, J. W.** An unusual case of sensitivity to T. A. B. T. simulating acute peritonitis. J. Canad. M. Serv., 1945–46, **3**: 281–5.

—— in animals.

Fethi Noyan. 29–5–944 günü kliniğimize gönderilen bir peritonitis exsudativa vak'asinin prontosil ve prontalbin'le tedavisi. Askeri vet. mecmuasi, 1945, **23**: No. 158, 16–9.—**Homutov, P.** [Case of purulent peritonitis in a cat] Rev. vet. mil., Bucur., 1933, **4**: 90–4.—**Parlebas.** Observations sur un cas de péritonite chez une jument. Rev. vét. mil., Par., 1938, **22**: 163–6.

PERMAFROST area.

See under **Arctic service,** Medical aspect.

PERMASEPTIC.

See also under **Disinfectant.**

Frappier, A., & Marois, P. In vivo studies of the antiseptic value of the substance called perm-aseptic and similar substances. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 3, C. 6133 [1]—**Lloyd, F. P.** Final reports of field trials on the effect of blankets treated with perm-aseptic upon the incidence of respiratory disease. Ibid., C. 6115, 1–3.

PERMUTIT.

Consolazio, W. V. Test on permutit desalting briquets containing de-acidite. 3p. 26½cm. Bethesda, 1945.

Forms Rep. No. 10, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

—— Performance of permutit desalting kit in cold. 2p. 26½cm. Bethesda, 1945.

Forms Rep. No. 11 of preceding project.

—— Effect of storage for at least a year under various fleet conditions on the demineralizing efficiency of the Navy issue permutit desalting kit. 3 l. 26½cm. Bethesda, 1945.

Forms Rep. No. 14 of preceding project.

—— & Ottes, R. T. Effects of storage at elevated temperatures of various types of permutit desalting briquets on their demineralizing efficiency. 4p. 26½cm. Bethesda, 1945.

Forms Rep. No. 13 of preceding project.

Consolazio, W. V., Pecora, L. J. [et al.] Chemical studies on the possible toxicity of the permutit BaH desalting briquet. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 9 of preceding project.

Pfeiffer, C. C., Consolazio, W. V., & Williams, H. L. Studies on the possible toxicity of sea water desalinated with permutit BaH briquets. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 12 of preceding project.

Chemical studies on the possible toxicity of the permutit BaH desalting briquet. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 3.

PERNIO.

See **Cold injury.**

PERONEAL nerve.

See also **Leg,** Injury.

Laird, G. J., & Mueller, M. J. Bombardier's palsy. Air Surgeon Bull., 1944, **1**: No. 9, 19.—**Pusitz, M. E., & Lusignan, F. W.** Dissociated peroneal nerve lesions. Bull. U. S. Army M. Dep., 1947, **7**: 733–8.—**Schrader, E.** Die Peroneuslähmung. Deut. Militärarzt, 1942, **7**: 36–8.

PERSIAN Gulf Command.

See under **World War II.**

PERSONAL history.

See **Neuropsychiatric examination,** Methods.

PERSONAL hygiene.

See **Health; Hospital service,** Personal hygiene; **Hygiene,** personal.

PERSONALITY.

See also **Neuropsychiatric examination; Neurotic; Psychopath; Unfit.**

BENEDEK, T. F. Insight and personality adjustment; a study of the psychological effects of war. 307p. 22cm. N. Y., 1946.

MASHBURN, N. C. Personality study; arranged and compiled under the direction of the Commandant, School of Aviation Medicine. 103p. 26cm. Randolph Field, 1938.

Kahn, B. I. Some endocrine aspects of personality. U. S. Nav. M. Bull., 1942, **40**: 330–40.—**McNeel, B. H., & Dancey, T. E.** The personality of the successful soldier. Am. J. Psychiat., 1945–46, **102**: 337–42.—**Menninger, W. C.** The personality of the soldier. In his Psychiat. in a Troubled World, N. Y., 1948, 43–55.—**Meyers, G. E.** Personality change in the course of general medical and surgical disorders. U. S. Veterans Bur. M. Bull., 1929, **5**: 925–36.

—— Disorder.

SMALL, S. M. Symptoms of personality disorder; prepared for the use of medical field agents in Selective Service screening. 59p. 23cm. N. Y., 1944.

Brodman, K., Mittelmann, B. [et al.] The incidence of personality disturbances and their relation to age, rank and duration of hospitalization in patients with medical and surgical disorders in a military hospital. Psychosomat. M., 1947, **9**: 45–9.—**Ford, H.** The recognition of maladjusted personalities by draft boards. Dis. Nerv. Syst., 1941, **2**: 212–8.—**Pearce, J. D. W.** The problem of the inadequate personality. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 127.—**Segal, M. E.** Military qualifications of egoistic type. Mil. Surgeon, 1942, **91**: 577.

PERSONALITY inventory.

See also **Officer candidate; Personality test.**

WENGER, M. A. Psychophysiological studies: the relationship of the tests and factors to personality inventory factors. 10p. 27cm. Randolph Field, 1945.

Forms Rep. No. 3, Proj. No. 421, U. S. Air Force School Aviat. M.

Abramson, H. A. The Minnesota Personality Test in relation to selection of specialized military personnel. Psychosomat. M., 1945, **7**: 178–84.—**Conrad, H. S., & Ellis, A.** Reply to the Humms' notes on the validity of personality inventories in military practice. Psychol. Bull., 1949, **46**: 307.—**Eimicke, V. W., & Fish, H. L.** A preliminary study of the relationships between the Bernreuter personality inventory and performances on the Army alpha examination and the George Washington social intelligence test. J. Psychol., Provincet., 1948, **25**: 381–7.—**Ellis, A., & Conrad, H. S.** The validity of personality inventories in military practice. Psychol. Bull., 1948, **45**: 385–426.—**Humm, D. G., & Humm, K. A.** Notes on the validity of personality inventories in military practice, by Ellis and Conrad. Ibid., 1949, **46**: 303–6.—**Item-analysis** of the multiphasic personality inventory, based on data collected at Camp Stewart under project 4030. Pers. Res. Rep. U. S. Adjutant Gen., 1945, No. 700, 1–18.—**Leverenz, C. W.** Minnesota multiphasic personality inventory; an evaluation of its usefulness in the psychiatric service of a station hospital. War Med., Chic., 1943, **4**: 618–29.—**Rubin, H.** The Minnesota multiphasic personality inventory as a diagnostic aid in a Veterans Hospital. J. Consult. Psychol., 1948, **12**: 251–4.—**Teicher, M. I., & Singer, E.** A report on the use of the Wechsler-Bellevue scales in an overseas general hospital. Am. J. Psychiat., 1946–47, **103**: 91–3.

PERSONALITY test.

See also **Aviator,** Personality test; **Life,** Adjustment; **Nail biting; Officer,** Selection: Test; **Personality inventory.**

WILLIAMS, S. B., LEAVITT, H. J., & BLAIR, C. L. The development and validation of the MFRL confidential questionnaire. 15 l. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X–615, U. S. Nav. M. Field Res. Laborat.

Altus, W. D. The validity of the Terman vocabulary for Army illiterates. J. Consult. Psychol., 1946, **10**: 268–76.—**Bortin, A. W., & Brill, I.** Psychiatric studies based on new personality test. Mil. Surgeon, 1945, **96**: 497–503.—**Cofer, C. N.** Malingering on personality tests. Research Rev. (U. S. Navy) 1949, May, 18–20.—**Hecker, C. H.** Diagnosis of personality on a psychodynamic basis. Med. Bull. Veterans Admin., 1937–38, **14**: 253–9.—**Hutt, M. L.** The use of projective methods of personality measurement in Army medical installations. J. Clin. Psychol., 1945, **1**: 134–40. ——— Some notes on research on personality testing. Bull. Mil. Clin. Psychologists, 1946, **1**: 105–9.—**Killian, F., & Buel, J.** Personnel selection and classification procedures; personality tests. Q. Res. Rep. U. S. School Aviat .M., 1947, Sept. 30, 25.—**Research** on personality testing. Bull. Mil. Clin. Psychologists, 1946, **1**: 33–41.—**Weider, A., Brodman, K.** [et al.] Cornell Service Index; a method for quickly assaying personality and psychosomatic disturbances in men in the Armed Forces. War Med., Chic., 1945, **7**: 209–13.

PERSONNEL.

See also **Aircrew; Conscientious objector; Flight personnel; Fuze stripping personnel; Matériel; Medical soldier; Medical troops; Negro; Occupational specialty; Officer; Seaman; Soldier;** etc.

PALMER, R. R. The procurement of enlisted personnel; the problem of quality. p.1–86. 25½cm. Wash., 1948.

In: U. S. Army in World War II, Wash., 1948, AGF 2:

UNITED STATES. WAR DEPARTMENT. Lecture outlines for officers on personnel adjustment problems. 15p. 27cm. Wash., 1944.

Forms TB MED 12, Techn. Bull. U. S. War Dep.

Flanagan, J. C. Problems of personnel psychology in the Armed Forces. Bull. U. S. Army M. Dep., 1949, **9**: 173–80.—**Grosby, E. J.** The old Army game. Personnel J., 1941–42, **20**: 350–2.—**Malmgren, R.** Några synnerligen behövliga upplysningar angående intyg för militärpersonal. Sven. läk tidn., 1941, **38**: 1228–30.—**Personnel** failures. In: Summary Activ, Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 40.

—— Age aspect.

Carmichael, L. The value of the older mind in national defense. Pub. Health Rep., Wash., 1942, Suppl. No. 168, 98–103.

—— medical.

See also **Medical officer,** Procurement and assignment; **Medical Service Corps; Medical soldier; Medical troops; Nurse Corps; Veterinary Corps,** etc.

Armstrong, G. E. Current personnel problems. Mil. Surgeon, 1948, **102**: 100–2.—**Darnall, J. R.** The need for trained medical personnel to care for the health of the military. J. Am. M. Ass., 1942, **118**: 901–4.—**Epperly, J. M.** Dental personnel problems. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 96–100.—**Maley, A. A.** Nurse personnel problems. Ibid., 101–6.—**Robinson, P. I.** General discussion of personnel situation. Ibid., 84–7.

—— Relief Act.

See **Civil Relief Act.**

PERSONNEL selection.

See also **Aviator** subheadings (Psychophysical test; Selection) **Navigator; Neuropsychiatric examination,** Psychological test; **Occupational**

specialty; Personality test; also Classification, Tests.

Applied psychology in the Army. Brit. M. J., 1942, **2**: 74.—**Directions** for the selection of flying personnel. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 8b, 1–9.—**Gerathewohl, S.** The personal aptitude testing committee of the German Air Force. Ibid., App. 7L, 26p.—**Heath, C. W., Woods, W. L.** [et al.] Personnel selection; a short method for selection of combat officers. Ann. Int. M., 1943, **19**: 415–26.—**Killian, F., & Buel, J.** Personnel selection and classification procedures; intellectual tests. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 24.—**Lawshe, C. H., jr, & Thornton, G. R.** A test battery for identifying potentially successful Naval electrical trainees. J. Appl. Psychol., 1943, **27**: 399–406.—**Line, W., & Griffin, J. D. M.** Personnel selection in the Army. Canad. M. Ass. J., 1943, **48**: 394–9.—**Mata, L.** Examen psíquico-funcional en la orientación y selección profesional. Rev. san. mil., B. Air., 1938, **37**: 234–41.—**Pilot** selection. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 7i, 1.—**Rodger, A.** Personnel selection in the Royal Navy. Brit. M. Bull., 1947, **5**: 37.—**Selection.** In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 13.—**Selection** of aircrew candidates. Ibid., 42.—**Selection** is important. Bull. Army M. Dir., Lond., 1941, No. 6, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 65.—**Selection** standards for gunners. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 14.

—— Organization.

Garrett, R. H. Personnel Division; Section of Enlisted Personnel. Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 170–5.—**Medical** officer and the personnel selection officer. Bull. Army M. Dep., Lond., 1942, No. 18, 5–7. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 65–7.—**Myers, C. S.** The selection of Army personnel; a short history of the development of the Directorate of Selection of Personnel. Occup. Psychol., Lond., 1943, **17**: 1–5. Also Lancet, Lond., 1942, **2**: 591.

PERSPIRATION.

Palmes, E. D. An apparatus and method for the continuous measurement of evaporative water loss from human subjects. 25 l. 29cm. Fort Knox, 1947.

Forms Proj. No. 55–1, U. S. Army M. Dep. Field Res. Laborat.

—— & Albert, R. E. Pulsatile evaporative rates from small skin areas as measured by an infrared gas analyzer. 13 l. 29cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–06–(7) U. S. Army M. Dep. Field Res. Laborat.

Apparatus (An) and method for the continuous measurement of evaporative water loss from human subjects. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 136.—**Chakravarti, D. N., & Tyagi, N.** A case of hemi-anhidrosis. J. R. Army M. Corps, 1939, **72**: 336.—**Cordier, D.** Pertes d'eau et de sel causées par la sudation. In his Probl. méd. guerre, Montréal, 1943, 25–9.—**Hirota, S., & Miyake, S.** [Clinico-statistical observation of osmidorosis and soft cerumen] Kaigun gun-ikai zassi, 1936, **25**: 685–91.—**James-Levi, D. E.** Leċenie potlivosti nog urotropinom. Voen. med. J., Moskva, 1945, April, 38.—**Mackay-Dick, J.** Notes on an interesting case. J. R. Army M. Corps, 1940, **75**: 182–9.—**Mashkilleison, L.** Pot, potlivost. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 781–4.—**Minor, V. L.** [Methods in examination of sweat secretion in wounds of the extremities] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 358–65.—**Ovsiannikov, V. F.** K voprosu o leċenii potlivosti nog. Voen. san. delo, 1940, No. 6, 95.—**Palmes, E. D., Albert, R. E., & Hart, J. J.** A modification of the infrared gas analyzer for measurement of sweat rates over localized skin areas. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 1, No. 15, 1.—**Parrilla, M., & Jiménez, F.** Un caso de hemihiperdiaforesis por virus. Med. & cir. guerra, 1950, **12**: 35–41.—**Silverman, J. J., & Powell, V. E.** Studies on palmar sweating; palmar sweating in an Army general hospital. Psychosomat. M., 1944, **6**: 243–9. ——— A simple technic for outlining the sweat pattern. War Med., Chic., 1945, **7**: 178–80.—**Terekado, M.** [A case of unilateral sweating accompanied by mydriasis] Kaigun gun-ikai zassi, 1935, **24**: 553–7, pl.—**Test** for salt depletion. Bull. Army M. Dep., Lond., 1943, No. 23, 8.

PERTUSSIS.

Blotner, C. Sauer's pertussis vaccine in bronchial asthma. Med.Bull. Veterans Admin., 1939–40, **16**: 381.—**Opizzi, J., & Crivellari, C. A.** La sal yódica de bismuto para el tratamiento de la coqueluche. Rev. san. mil., B. Air., 1943, **42**: 59.

PERU.

For references to this country see the following headings: **Hospital report; Medical service; Pharmacy**—by countries; **Ration; Recruiting statistics; Sanitation; Surgery**—by countries; **Tuberculosis.**

PEST control.

See also **Fumigant; Insect control; Rodent control.**

American Cyanamid and Chemical Corporation. Military fumigation manual; zyklon discoids for fumigating barracks, mess halls and other military structures; cyanogas, calcium cyanide, for control of rats and other pests. 48p. 17½cm. N. Y., 1943.

Schmidt-Ries, H. Vom unbekannten Kampf unserer Soldaten gegen Plagegeister und Schmarotzer; biologisch-parasitologische Beobachtungen an der Balkanfront und in der Athener Ebene. Biologe, Münch., 1943, **12**: 1–11.

PETROLATUM.

See also **Cold exposure,** Immersion in water.

Spealman, C. R. Body cooling in water and effectiveness of petrolatum in retarding heat loss. 6p. 26½cm. Bethesda, 1945.

Forms Rep. No. 4, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

PETROUS bone.

See also **Ear,** Disease.

Ferreri, G. Osteomielite purulenta acuta del temporale da proiettile rimasto infisso nella rocca per 18 anni (estrazione) Ann. med. nav., Roma, 1927, **1**: 153–62.—**Folly.** Hémisyndrôme sympathique avec alopécie, après une fracture ancienne du rocher. Bull. Soc. méd. mil. fr., 1926, **20**: 149.—**Gritti, P.** Contributo allo studio delle petrositi. Gior. med. mil., 1943, **91**: 28–32.—**Vahdettin Ozan** [Petrositis; pathology and treatment] Askerî sıhhiye mecmuası, 1940, **69**: No. 31, 33–46.

PF_3

See **Fluorophosphate.**

PHAGE.

See **Dysentery,** Treatment: Phage.

PHAGEDENA.

See **Tropical ulcer.**

PHARMACEUTICAL industry.

See **Drug industry.**

PHARMACEUTICAL service.

See also **Hospital service,** Pharmacological service; **Prescription.**

Barthet, G. Organisation de la pharmacie militaire en Europe. C. rend. Congr. internat. pharm., 1935, 12. Congr., 855–8.—**Sevket Artamli** [Organization of chemical-pharmaceutic service in the European armies] Askerî sıhhiye mecmuası, 1940, **69**: No. 31, 30–2.—**Waterhouse, F. H.** The new service afloat scale of medicine, &c. J. R. Nav. M. Serv., 1930, **16**: 126–31.

—— Veterans.

Briggs, W. P. Pharmacy service in the Veterans Administration. Bull. Am. Soc. Hosp. Pharm., 1946, **3**: 184–7. ——— Pharmacy service in the medical care of the veteran. Papers Annual Convent. Am. Hosp. Ass., 1946, **48**: 369–73.

—— by countries.

See also **Pharmacist**—by countries.

Belgique; organisation et fonctionnement du Service pharmaceutique. Arch. méd. belges, 1936, **89**: Bull. internat., 163–8.—**[Delivery** of medicines to military posts] Pharm. tid., Kbh., 1863–64, **3**: 178–82.—**Gatica G., S.** Farmacia social y servicio farmacéutico de la Armada. Rev. san. nav., Valparaiso, 1939, **9**: 43–50, 2 ch.—**González Puccini, A.** Servicio de farmacia militar. Rev. san. mil., Carácas, 1942, **1**: 169–80.—**Grinţescu, G.** Realizări in serviciul farmaceutic al armatei dela 1928 până la 1937. Rev. san. mil., Bucur., 1937, **36**: 109–12.—

Janda, J. Le service pharmaceutique dans l'Armée tchécoslovaque. Off. Rep. internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 229–33; Disc., Proc., 188–205.—**Organisation** et fonctionnement du service pharmaceutique dans les armées de terre et de mer; Pays-bas; Sucde. Arch. méd. belges, 1936, **89:** Bull. internat., 470; 473.—**Portugal;** organisation et fonctionnement du service pharmaceutique (Armée de terre) Ibid., 1935, **88:** Bull. internat., 319.

—— by countries: Argentina.

Medinaceli, M., & Pedrazzini, A. Evolución y perfeccionamiento del servicio farmacéutico del Ejército. Rev. san. mil., B. Air., 1932, **31:** 309–37.—**Vega Herrera, A. M.** El servicio de farmacia en el Ejército; ideas sobre su instalación, organización y funcionamiento. Rev. mil., B. Air., 1938, **38:** pt 1, 1455–8.

—— by countries: Australia.

Buchler, W. Dispensing on the high seas. Australas. J. Pharm., 1937, n. ser., 18: 918.—**Thompson, L. J.** Dispensing for returned soldiers. Ibid., 1929, n. ser., **10:** 700.

—— by countries: France.

Legris, P. *Le service pharmaceutique aux Armées revolutionnaires du Nord et de l'Est [Strasbourg] 120p. 23½cm. Par., 1944.

Borel, F. Nouvelle réglementation des pharmacies à bord des navires du commerce. Caducée, Par., 1908, 8: 118–20.—**Kerny.** Organisation et fonctionnement du service pharmaceutique des armées de terre et de mer. Arch. méd. belges, 1935, **88:** Bull. internat., 603–11.—**López Pérez, L.** Los servicios farmacéuticos en la Armada Francesa. Bol. farm. mil., Madr., 1930, 8: 65–84.—**Muffang.** Les améliorations à apporter aux infirmeries; organisation de la pharmacie dans une infirmerie régimentaire. Bull. Soc. méd. mil. fr., 1938, **32:** 517–9.

—— by countries: Germany.

Germany. Oberkommando des Heeres Heeres-Druckvorschrift] H. Dv. 193-6: Wehrmacht-Sanitäts-Vorschrift. Teil 6: Pharmazeutisch-chemischer Dienst. 65 l. 21cm. Berl., 1935.

Patzsch. Pharmazeutische Erfahrungen bei der 6. Armee. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 212.—**Reichert.** Arzneimittelversorgung der Wehrmacht. Med. Klin., Berl., 1940, **36:** 574 (Abstr.)—**Thomann, J.** Die Arzneimittelversorgung der Armee. Deut. Militärarzt, 1940, **5:** 561 (Abstr.)

—— by countries: Great Britain.

Great Britain. Socialist Medical Association. Pharmaceutical services in wartime. 11p. 20cm. Northwood [after 1936]

Army (An) pharmaceutical service. Pharm. J., Lond., 1943, **97:** 181.

—— by countries: Italy.

Giordano, M. Considerazioni sul servizio chimico-farmaceutico militare in base all'attuale organamento dell'esercito. Gior. farm. chim., Tor., 1872, **21:** 515–28.—**Pagniello, A.** El servicio químico-farmacéutico de campaña en el Ejército italiano. Bol. farm. mil., Madr., 1929, **7:** 97–114.

—— by countries: Russia.

Položenie o pravakh i objazannostjakh defektara apteki evakohospitalia. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 38.—**Položenie** o pravakh i objazannostiakh receptara apteki evakohospitalja. Ibid., 39.—**Sorokin, A. I.** [Pharmaceutic service to evacuation hospitals] Farmacia, Moskva, 1943, No. 4, 6.

—— by countries: Spain.

Fernández de Rojas y Cedrun, E. Organización sanitaria-farmacéutica en caso de guerra. p.79–122; p.209–12. 24cm. Madr., 1933.

Congr. internat. med. pharm. mil., Madr., 1933, 7. Congr., **1:**

Alcaráz, R. A. Organización del servicio químico-farmacéutico en el Ejército. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 211–25; Disc., Proc., 188–205.—**Roldán, R.** Sobre contabilidad administrativa en las dependencias farmacéuticas del ramo de guerra. Bol. farm. mil., Madr., 1933, **11:** 401–9.

—— by countries: Switzerland.

Hotz. Ueber den pharmazeutischen Dienst bei der Armee und über fachtechnische Weiterbildung der Militärapotheker. Vjschr. schweiz. Sanitätsoff., 1930, **7:** 34–7.—**Thomann, J.** Le service militaire pharmaceutique et la formation des pharmaciens militaires dans l'armée suisse. Arch. méd. belges, 1935, **88:** Bull. internat., 599–602.

—— by countries: United States.

Souza, R. C. de. Reorganização do Serviço farmacêutico no Exército Norte-americano. Rev. brasil. farm., 1943, **24:** 70–3. Also Rev. med. mil., Rio, 1943, **32:** 83–7.

PHARMACIST.

See also **Hospital Corps;** also **Civilian defense worker**—by occupations.

Pharmaceutical (The) Journal. War-time information for pharmacists. 2. ed. 63p. 18½cm. Lond., 1943. Also 3. ed. 81p. 18½cm. Lond., 1944.

Board of Pharmacy announcements; qualifications for the registered pharmacist examination during the war emergency. N. Jersey J. Pharm., 1942, **15:** No. 3, 9–11.—**East, F. A.** War and the retail pharmacist. Mask, Menasha, 1943, **40:** 33.—**OCD** issues recommendations to pharmacists in civilian defense. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1941, **2:** 429.—**Pillar, O.** Farmacéuticos militares. Rev. quím. farm., Rio, 1946, **11:** No. 11, 5–7.—**Status** of pharmacists in war-time England. South. Pharm. J., 1941–42, **34:** No. 3, 30.—**Vescio, F., & Knabe, M.** Women and wartime pharmacy. Merck Rep., 1943, **52:** No. 3, 8.

—— Commission.

See also **Pharmacy Corps,** United States.

Army changes requirements of commissions for pharmacists. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1941, **2:** 238.—**Berkowitz, M. E.** Should Congress provide commissions for all pharmacists in the Government service? Druggist Circ., N. Y., 1927, **71:** 329, &c.—**Cook, E. F.** Commissions for pharmacists in the Reserve Army. J. Am. Pharm. Ass., 1927, **16:** 1024–7.—**Fitzsimonds, G. E.** Why Congress should provide commissions for pharmacists in the Government service. Druggist Circ., N. Y., 1927, **71:** 117.—**Rudd, W. F.** Pharmacy left out again. Am. J. Pharm. Educ., 1942, **6:** 368–72.

—— Deferment.

Deferment of the calling-up of pharmacists and dispensers. Pharm. J., Lond., 1941, **92:** 197.—**Deferment** of pharmacists. Ibid., 104.—**Haskins, E. C.** The deferment of pharmacists. Ibid., 1942, **94:** 83.—**Linstead.** Pharmacists and military service; call-up and deferment. Ibid., 1941, **92:** 232.—**Walsh, H.** The deferment of pharmacists. Ibid., 1942, **94:** 54.

—— Duties and functions.

Burston, S. R. The work of the pharmaceutical chemist in wartime. Australas. J. Pharm., 1943, **24:** 66–8.—**Cook, R. B.** War activities of pharmacists. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, **3:** 334–8.—**Dar Juan, T.** The flexibility of a pharmacist and its relation to national defense. Rev. filip. med., 1941, **32:** 115–9.—**District** of Columbia mobilizes pharmacists in civilian defense. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1941, **2:** 391.—**Hunziker, E.** Samariterdienst im Luftschutz. Schweiz. Apoth. Ztg, 1936, **74:** 314–6.—**Onrubia, F. A.** Los farmacéuticos y los modernos agresivos de guerra. Resum. Congr. hisp. portug. farm., 1948, 1. Congr., 136.—**Pharmacist** (The) in civil defense. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1949, **10:** 20–3.—**Poplawski, W.** Le rôle des officiers chimiques-pharmaceutiques au guerre. Atti Congr. internaz. med. farm. mil., 1923, 2. Congr., **2:** 561.—**Roldan y Guerrero, D. R.** Mision del farmacéutico militar en los ejércitos modernos derivada de las enseñanzas de la pasada guerra europea. Bol. farm. mil., Madr., **7:** 1929, No. 75, Suppl., 3–31. —— Quelques idées sur le rôle du pharmacien militaire et sur l'organisation du fonctionnement de ses services en campagne. Arch. méd. belges, 1934, **87:** Bull. Internat., 287–95.—**Spengler, H.** Die Aufgaben der Militärapotheker. Vjschr. schweiz. Sanitätsoff., 1945, **22:** 66; 111.—**Thomann, J.** Luftschutz und Gasschutz. Schweiz. Apoth. Ztg, 1936, **74:** 537; passim.—**Tucker, W. G.** The pharmacist; how he may best serve the nation in war. Am. Druggist, 1918, **66:** 27–30.—**War** time problems for pharmacists. Australas. J. Pharm., 1942, **23:** 2.—**Wester, D. H.** Die Rolle des Apothekers beim zivilen Luftschutz. Schweiz. Apoth. Ztg, 1936, **74:** 305–14.—**Women** pharmacists aid war effort; voluntary workers give valuable service. Australas. J. Pharm., 1942, **23:** 542.

—— Military service.

See also **Pharmacy Corps.**

Army's (The) need for pharmacists. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, **3:** 18.—**Brown, F. J.** The problems of Selective Service as they affect students of pharmacy. Am. J. Pharm. Educ., 1941, **5:** 473–83.—**Davis, G., & Davis, K.** They're in the Army now. Am. Druggist, 1941, **104:** 33, &c.—**Farmacêutico** (O) na guerra. Impr. med., Rio, 1943, **18:** No. 349, 121.—**Farmacêutico** (O) nas fôrças armadas. Tribuna farm., Curitiba, 1945, **13:** 265–8.—**Further** man-power considerations. Pharm. J., Lond., 1942, **94:** 19.—**Kaufer, S.** A phase of pharmacy in the war program. N. Jersey J. Pharm., 1943, **16:** No. 8, 2–4.—**Kendig, H. E.** Status of pharmacists in the Government service and under Selective Service. Am. J.

Pharm. Educ., 1941, 5: 97–105.—**McAfee, L. B.** Pharmacists in the Armed Forces. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, 3: 52.—[**Military** conscription of pharmacists] Pharm. tid., Kbh., 1863–64, 3: 181.—**O., T. E.** The pharmacist in the Army. Druggist Circ., N. Y., 1917, 61: 395.—**Pharmaceutical** man-power. Pharm. J., Lond., 1941, 93: 200.—**Pharmaceutical** students and military service. Nature, Lond., 1941, 147: 232.—**Pharmacist** (The) goes to war. Med. Soc. Rep., Scranton, 1943, 37: No. 4, 16.—**Pharmacists** on the firing line. Mod. Pharm., Detr., 1943, 27: No. 3, 6.—**Problems** of demobilization. Pharm. J., Lond., 1943, 96: 125.—**Schwehm, P. E.** Pharmacists and Selective Service. N. Jersey J. Pharm., 1942, 15: No. 8, 2; 18.—**Silva Araujo, C. da.** O farmacêutico civil e sua indústria a serviço da guerra. Laborat. clin., Rio, 1942, 22: 232–8. ——— O farmacêutico na guerra. Rev. brasil. farm., 1942, 23: 557–9.—**Taylor, J. M.** The need for the pharmacist in the Army. Am. Druggist, 1918, 66: No. 4, 29.—**Verlaine.** Programme des connaissance paraissant indispensables pour tout pharmacien mobilisé. Arch. méd. belges, 1937, 90: 322–7.—**War** Emergency Committee, American Association of Colleges of Pharmacy; review of work of the Committee up to January 27, 1944. Am. J. Pharm. Educ., 1944, 8: 122–4.

—— Veterans.

United States. Veterans Administration. Technical bulletin TB 10A–9: Functions of the pharmacist in branch offices. 2p. 27cm. Wash., 1946. Also Change 1. 1p. 1947.

Briggs, W. P. Your profession in the Veterans Administration. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1948, 9: 42–7.

—— by countries.

See also **Pharmaceutical service**—by countries.

Förteckning över personlig utrustning i fält för läkare, tandläkare och apotekare [tab.] In: Fältmed. vademecum, Stockh., 1940, 144–8.—**Hada, M.** The pharmacist in the Japanese army. Am. Druggist, 1918, 66: No. 7, 25.—**Hermans, A. H. W. M.** De positie der militaire apothekers in Nederlandsch-Indië ten opzichte van die der officieren van gezondheid. Pharm. tschr. Ned. Indië, 1929, 6: 336–41.—**Pharmacists** (The) of Arnhem; how they met battle and evacuation. Pharm. J., Lond., 1947, 104: 227.—**Popescu, F.** [Observations on the occasion of the opening of the first session of pharmaceutical officers of the Bucharest garrison] Rev. san. mil., Bucur., 1939, 38: 107–9.—**Spelkens, E.** L'Amicale des officiers de réserve du S. S. du Brabant aux Etablissements Meurice. Dioscorides, Brux., 1939–40, 3: 9–18.—**Villaret.** Inconvénients de la suppression des pharmaciens militaires dans les armées modernes. Caducée, Par., 1908, 8: 159.

—— by countries: Australia.

Army pharmaceutical service. Australas. J. Pharm., 1941, 22: 757.—**Army** pharmacists. Ibid., 1942, 23: 604; 1943, 24: 418.—**Butchers, C. L.** Pharmacists and the Army. Ibid., 1941, 22: 645.—**Cossar, D. A.** The pharmacist in the Australian army. Am. Druggist, 1918, 66: 25.—**Pharmacists** and the Forces. Australas J. Pharm., 1940, 21: 418–22.—**Status** (The) of Army pharmacists. Ibid., 1948, 29: 1027. —**Townley, R. C.** Pharmacists in the Australian Army. Pharm. J., Lond., 1944, 98: 232.

—— by countries: France.

Balland, J. A. F. Notices biographiques sur les anciens pharmaciens inspecteurs de l'Armée. 40p. 23½cm. Par., 1892.

Balland. Les pharmaciens militaires tués ou morts en campagne de maladies épidémiques. J. pharm. chir., Par., 1908, 6. ser., 28: 503; 543.—**Boulaye, G.** L'utilisation des pharmaciens en temps de guerre. Bull. sc. pharm., Par., 1940, 47: Prof., 5–8.—**Cartier.** Les pharmacien dans l'armée. J. méd. Bordeaux, 1935, 112: 20–6.—**Cazé, M.** Apothicaires militaires. In his Coll. pharm. Paris, Strasb., 1943, 114–6.—**Concours** pour les emplois de pharmaciens élèves du service de santé militaire. J. chim. méd., Par., 1866, 5. sér., 2: 313; 1867, 5. sér., 3: 348.—**Devin, G.** Die Militärapotheker im französischen Heere. Apothekerzeitung, 1926, 41: 1391–3.—**Hanslian, R.** Die französischen Militärapotheker im Weltkriege. Ibid., 416.—**L., H.** Pharmaciens militaires. Ann. pharm., Louvain, 1897, 3: 202–4.—**Military** (The) pharmacist in France. Am. Druggist, 1917, 65: 25–8.—**Nominations** et promotions de pharmaciens militaires. Bull. sc. pharm., Par., 1940, 47: Prof., 69–72.—**R., F.** Pharmaciens militaires. Ann. pharm., Louvain, 1899, 5: 273–6.—**Saint-Sernin.** François-Jean-Baptiste Gesnouin, premier pharmacien en chef de la marine. Arch. méd. pharm. nav., 1936, 126: 457–71.—**White, F. A.** The Chief Pharmacist of the French Army. Am. Druggist, 1927, 75: No. 5, 9–12.

—— by countries: Germany.

Zabler, P. Der Dienst des deutschen Wehrmachtapothekers im Heere, in der Kriegsmarine und in der Luftwaffe. 371p. 22cm. Berl., 1942. Also 2. Aufl. 387p. 22cm. Berl., 1944.

Klein. Tätigkeit und besondere Aufgaben des Korpsapothekers im Osten. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 213.—**Kroeber, L.** Pharmazie und Hygiene; hygienische Streiflichter aus der Tätigkeit des Militärapothekers. Pharm. Zhalle, 1920, 61: 191; 205.—**L., R.** Der deutsche Apotheker im Weltkrieg. Schweiz. Apoth. Ztg, 1921, 59: 484; 494.—**Richter, A.** Die Stellung der deutschen Heeresapotheker während der letzten 50 Jahre. Deut. Apoth. Ztg, 1939, 54: 795; 810.—**Thomann, J.** Der Dienst des deutschen Wehrmachtapothekers im Heere, in der Kriegsmarine und in der Luftwaffe. Schweiz. Apoth. Ztg, 1942, 80: 404–7.—**Zabler, P.** Die Ausbildung als Heeresapotheker des Beurlaubtenstandes. Deut. Apoth. Ztg, 1939, 54: 37.

—— by countries: Great Britain.

Central and Scottish pharmaceutical war committees. Pharm. J., Lond., 1941, 92: 267.—**Fitch, W. K.** Pharmacists with the B. L. A. Ibid., 1945, 100: 144–6.—**Hargreaves, H.** A pharmacist at sea. Ibid., 1944, 98: 254.—**Linstead, H. N.** The Central Pharmaceutical War Committee. Ibid., 1941, 93: 222.—**Pharmacists** in the Army. Lancet, Lond., 1943, 2: 647.—**Pharmacists** in the Forces. Pharm. J., Lond., 1943, 96: 125.—**Slater, R.** An Army pharmacist's campaigning experience. Ibid., 1919, 102: 406.

—— by countries: Italy.

Giordano, M. Il personale farmaceutico militare nel nuovo progetto di organamento dell'Esercito. Gior. farm. chim., Tor., 1872, 21: 83–95. ——— I farmacisti ed i medici militari in Francia e in Italia. Ibid., 1874, 23: 33; 70.—**Pagniello, A.** Gli ufficiali chimici farmacisti del R. esercito. Atti Ist. ital. stor. chim., 1940–41, 4: 119–22.—**Tergolina, U.** Istruzioni per farmacisti militari del Regno delle due Sicilie (1808) Farm. ital., 1942, 10: 109–13.

—— by countries: Mexico.

Alcazar Ojeda, A. Importancia del farmacéutico en el Ejército. Mem. Convenc. méd. mil. mex., 1936, 221.—**Cordero Cañas, M.** Importancia del químico en el Ejército. Gac. méd. mil., Méx., 1933–34, 1: 509–18.

—— by countries: Russia.

Kalashnikov, V. Farmacevt voennyj. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 719.—**Položenie** o pravakh i objazannostjakh assistenta apteki evakohospitalja. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 41.—**Položenie** o pravakh i objazannostjakh kontrolera apteki evakohospitalja. Ibid., 40.—**Položenie** o pravakh i objazannostjakh zavedujuščego aptekoj evakohospitalja. Ibid., 37.—**Sorokin, A. I.** [The work of the Leningrad pharmacy workers during wartime] Farmacia, Moskva, 1942, 5: No. 4, 6–8.—[**Urgent** tasks in the manning of pharmaceutical cadres] Ibid., 1944, 7: No. 4, 1–6.

—— by countries: Spain.

Landa, G. R. The military pharmacist in Spain. Am. Druggist, 1917, 65: 25; 1918, 66: No. 5, 52.—**López Pérez, L.** Notas de Espanha; os farmacêuticos da Armada. Notíc. farm., Coimbra, 1945–46, 12: 271–82.—**Mas y Guindal, J.** Farmacéuticos españoles que cultivaron la botánica. Bol. farm. mil., Madr., 1923, 1: 99–107.—**Roldán y Guerrero, R.** La evolución del uniforme de los farmacéuticos militares españoles. Ibid., 1932, 10: 33; passim.—**Vega Herrera, A. M.** La contribución del farmacéutico militar en la defensa nacional. Rev. san. mil., B. Air., 1939, 38: 699–701.

—— by countries: Switzerland.

Berger, F. Kriegssanitätswesen und Feldapotheker in der Vergangenheit. Schweiz. Apoth. Ztg, 1914, 52: 663; 675.—**Burckhardt-Socin, O.** Anrechnung von Militärdienst während des Praktikums und des Assistentenjahres. Ibid., 1939, 77: 685.—**Hotz, H.** Ueber den pharmazeutischen Dienst bei der Armee und über fachtechnische Weiterbildung der Militärapotheker. Ibid., 1930, 68: 73–5.—**Thomann, J.** Die Stellung des Armeeapothekers, seine ihm zur Verfügung stehenden Mittel. In his Ausgew. Kap. Milit. Pharm., Bern, 1940, 27–9.

—— by countries: United States.

Armstrong, G. E. Your profession in the U. S. Army. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1948, 9: 32–5.—**Brown, T. V.** Recollections of a military pharmacist. Bull. Pharm., Detr., 1908, 22: 23–5.—**Jones, H. W.** Medical purveyors yesterday and today. Am. Profes. Pharmacist, 1943, 9: 228–30.—**Shearer, O.** The work of an Army pharmacist; a glimpse of the pharmacy, Walter Reed General Hospital, Washington, D. C. Druggist Circ., N. Y., 1928, 72: 451, &c.—**Waugh, W. F.** Army pharmacists. South. Clinic, Richmond, 1917, 40: 293–7.

—— by countries: United States—Navy.

Connely, W. Pharmacists and the Hospital Corps of the Navy. Am. Druggist, 1918, 66: No. 6, 29–32. ——— The training of our naval pharmacists. Druggist Circ., N. Y.,

1918, 62: 290–2.—**Dennis, E. G.** Pharmacy and the Navy pharmacist. Hosp. Corps Q., 1944, 17: No. 4, 103–8.—**Holden, J.** The qualifications, duties and status of pharmacists in the naval service. Druggist Circ., N. Y., 1927, 71: 442.—**Setterstrom, C. A.** The pharmacist in the United States Navy. Am. Druggist, 1927, 75: No. 6, 15–9.—**Shea, F. J.** The naval pharmacist afloat. U. S. Nav. M. Bull., 1920, Suppl. No. 1, 44.—**Swanson, C. A.** Your profession in the U. S. Navy. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1948, 9: 36–8.—**Weaver, R. E.** Commissary work at the U. S. Naval Hospital, Mare Island, Cal. Am. Druggist, 1918, 66: No. 6, 27.—**Youngken, H. W.,** jr. Functions of pharmacists in the Navy. Merck Rep., 1945, 54: No. 2, 4–7.

PHARMACIST'S mate.

Halsey, W. H. The training of pharmacist's mates at Hampton Roads, Va. U. S. Nav. M. Bull., 1918, Suppl. No. 6, 7–10, 3 pl.—**Independent** duty. Hosp. Corps Q., 1945, 18: No. 2, 1–24.—**Shilling, C. W., & Kohl, J. W.** School for pharmacist's mates entering the submarine service. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 32–4.—**Stillwell, G. B.** Training pharmacist's mates for independent duty. Hosp. Corps Q., 1945, 18: No. 2, 25–8.—**Zander, A. F.** Psychobiology for the purser-pharmacist's mate at sea. In: Psychobiol. Progr. (Killinger, G. G.) Stanford Univ., 1947, 253–9.

PHARMACOLOGICAL service.

See **Pharmaceutical service**; also under **Hospital service.**

PHARMACOLOGY.

See also **Altitude,** Pharmacological aspect; **Malaria; Pharmacotherapy; Therapeutics.**

Carr, C. J. Activities of the Department of Pharmacology during the war years. Bull. School M. Univ. Maryland, 1945–46, 30: 150–2.—**Fanlo, F.** La enseñanza de la farmacodinamia. Bol. farm. mil., Madr., 1935, 13: 225–30.—**Sollmann, T.** Pharmacology in the war. N. York M. J., 1918, 107: 1192.

PHARMACOPOEIA.

See also **Formulary.**

Formolario farmaceutico ad uso delle infermerie de' cavalli del Regio esercito. 118p. 21½cm. Tor., 1846.

France. Ministère de la guerre. Service de santé. Formulaire pharmaceutique des hôpitaux militaires. 384p. 21½cm. Par., 1908.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 183: Arzneiheft für Heer und Luftwaffe. 105 l. 15cm. Berl., 1939.

Great Britain. War Office. Army Council. Pharmacopoeia for use in military hospitals, 1940. 39p. 14cm. Lond., 1940.

Isihuku, K., & Iso, Y. Rikugun yakkyokuhōgai imu-kyoku tyō syōnin yaku yōran [Survey of drugs not in the military pharmacopoeia that are approved by the chief of the medical bureau] [65] 21½cm. Tōkyō, 1927–29.

Gun idan zassi, 1927, 1065; 1929, 1067.

[Italy] Codice farmaceutico militare 333p. 21½cm. Tor., 1838.

Japan. Rikugun-syō. Rikugun yakkyokuhō. 4. han [The Army pharmacopoeia. 4. ed.] 550 [96]p. 21½cm. Tōkyō, 1935.

Pharmacopoea castrensis Austriaca. 223p. 8° Wien, 1841.

Adaptation of the British Pharmacopeia to war conditions. J. Am. M. Ass., 1939, 113: 1975.—**Briggs, W. P.** Notes on some of the new additions to the U. S. P. XII. Hosp. Corps Q., 1943, 16: No. 2, 49–53.—**Del Caño, C. B.** La farmacopea soviética. Bol. farm. mil., Madr., 1926, 4: 296–304. ——— La farmacopea mejicana. Ibid., 1927, 5: 102–14.—**Farmakopei** voennye. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 718.—**First** wartime [British] Pharmacopeia. J. Am. M. Ass., 1940, 115: 230.—**K.** [pseud.] The Government medical service and the pharmacopoeia of the United States of America. Mil. Surgeon, 1909, 25: 711–7.—**LaWall, C. H.** The United States Pharmacopoeia. U. S. Nav. M. Bull., 1920, Suppl. No. 13, 7–10.—**Mas y Guindal, J.** La pharmacopée de la flotte espagnole par Leandro de Vega, 1760. Rev. hist. pharm., Par., 1932, 20: 137–41.—**Naci Caglar** [The French code of 1937] Askerî sihhiye mecmuası, 1939, 68: No. 28, 117–23.—**Noticia** de alguns preparados pharmaceuticos, e aguas medicinaes, que se vendem na pharmacia do Hospital militar de Pangim. J. pharm. sc. med. India Portug., 1862–63, 142.—**Page, G. F. B.** Suggested reconstruction of the Service Afloat pharmacopoeia. J. R. Nav. M. Serv., 1919, 5: 215–7.—**Pappworth, M. H.** A wartime pharmacopœia. Lancet, Lond., 1941, 1: 3.—**Rossijsky, L. M.** Pervaja morskaja farmakopeja. Voen. med. J., Moskva, 1947, No. 5, 48–54.—**Sarkhin, I. B.** Russkaja morskaja farmakopeja. Ibid., 55.—**Smith, E. F.** The story of the British Pharmacopœia. J. R. Army M. Corps, 1928, 50: 261–74. ——— An Imperial Pharmacopœia; review of the report submitted to Parliament by the Sub-Committee of the Committee of Civil Research, on the British Pharmacopœia. Ibid., 1929, 52: 113–9.—**War** emergency formulas: an addendum to the British Pharmaceutical Codex 1911. Lancet, Lond., 1917, 2: 766.—**War** formulary. Ibid., 1941, 2: 13.—**Witt, E.** The 12th decennial revision of the United States Pharmacopœia. Med. Bull. Veterans Admin., 1942–43, 19: 319–22.

PHARMACOTHERAPY.

See also such headings as **Narcotic; Neurosis;** Treatment: Drug; **Quinine; Sulfonamide; Therapeutics;** also names of drugs.

Knebel, R., & Willecke, W. Arzneiverordnungen für den Truppenarzt. 5. Aufl. 55p. 17cm. Lpz., 1944.

Banzer, G. Arzneiversorgung im Kriege. Deut. med. Wschr., 1942, 68: 237–40.—**Changes** in medical prescribing in Great Britain. Science, 1940, 92: 373.—**Gilbert, E. W.** Drugs and their administration. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 266–73.—**Martínez, J. L.** A propósito de las medicinas de patente. Rev. Esc. méd. mil., Méx., 1943, 2: No. 7, 11–3.—**Mass-observation** on proprietaries; effects of the war on medicine-taking. Pharm. J., Lond., 1943, 97: 6.—**S., W.** Drugs in ancient wars. Australas. J. Pharm., 1942, 23: 87.—**Schmidt, J.** Câteva consideraţiuni generale asupra tincturilor şi drogurilor intrebuinţate la prepararea lor. Rev. san. mil., Bucur., 1937, 36: 125–9.—**Soehring, K.** Arzneitherapie im Felde. Med. Klin., Berl., 1943, 39: 548–51.—**Spengler.** Vorschriften für kriegswichtige Arzneimittel der Armee. Schweiz. Apoth. Ztg, 1943, 81: 149–56.—**Tice, L. F.** Life-saving medicines. In: Science in War (Philadelphia Coll. Pharm.) 1942, 36–45.—**Walter, C. W.** The basis of successful parental therapy. U. S. Nav. M. Bull., 1941, 39: 249–62, 4 pl.—**Wirth, W., Anthony & Orzechowski.** Concerning the question of the use of potent drugs in the armed forces without control by the surgeon. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 250–3.—**Wüst, A.** Ueber neuere Desinfektionsmittel. Militärsanität, Zür., 1945, 27: 9.

—— Economy.

See also **Drug supply,** Conservation; **Prescription.**

Great Britain. Privy Council. Medical Research Council. War memorandum No. 3: Economy in the use of drugs in war-time. With an appendix on economy in the use of bactericides. 2. rev. ed. 15p. 25cm. Lond., 1944.

Great Britain. Privy Council. Medical Research Council. Therapeutics Requirements Committee. Economy in the use of drugs in war-time. 18p. 24½cm. Lond., 1941.

Austausch ärztlich verschriebener Arzneimittel. Klin. Wschr., 1943, 22: 24.—**Brauner, H.** Austausch ärztlich verschriebener Arzneimittel in den Apotheken. Wien. med. Wschr., 1943, 93: 166–8.—**Caplan, A.** Indiscriminate drug therapy; a plea for war-time drug economy. Ind. M. Gaz., 1942, 77: 472–5.—**Control** of drugs and medicinal preparations; summary of restrictions. Med. J. Australia, 1942, 2: 387.—**Dedman, J. J.** War legislation; a summary of regulations issued during the month. Australas. J. Pharm., 1942, 23: 162.—**Drugs;** economy in the use of. Bull. Army M. Dir., Lond., 1941, No. 7, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 32.—**Economical** use of drugs; decisions by the Medical Research Council. Pharm. J., Lond., 1941, 93: 171.—**Economy** advice to doctors. Australas. J. Pharm., 1942, 23: 106.—**Economy** of drugs. Bull. Army M. Dep., Lond., 1944, No. 32, 7.—**Economy** of drugs in wartime; memorandum by Therapeutic Requirements Committee, Medical Research Council. Brit. M. J., 1941, 1: Suppl., 33–7.—**Economy** in essential drugs. Lancet, Lond., 1940, 2: 432.—**Economy** in prescribing. Pharm. J., Lond., 1942, 94: 101.—**Economy** in the use of bactericides; memorandum by the Therapeutic Requirements Committee of the Medical Research Council. Vet. Rec., Lond., 1942, 54: 160.—**Economy** in use of drugs. Med. Off., Lond., 1941, 66: 186.—**Economy** in the use of drugs. Med. J. Australia, 1942, 1: 121.—**Economy** in use of drugs; the medicine cupboard in wartime. Brit. M. J., 1940, 2: 499.—**Economy** in the use of drugs in war-time. Australas. J. Pharm., 1942, 23: 14–8. Also Med. J. Australia, 1942, 1: 148–52.—**Economy** in the use of drugs in war time; Medical Research Council; Therapeutic Requirements Committee. Ind. M. Gaz., 1941, 76:

551–4.—**Economy** in the use of drugs in war-time; Medical Research Council War Memorandum No. 3, 1941. Canad. J. Comp. M., 1941, **5**: 326–9. Also J. R. Army Vet. Corps, 1940–41, **12**: 146–50. Also Postgrad. M. J., Lond., 1941, **17**: 123. Also Bull. War. M., Lond., 1941–42, **2**: 229 (Abstr.)—**Economy** of use of nonstandard drugs and supplies. Month. Health Rep. Mil. Distr. Washington, 1948, **1**: No. 2, 15.—**Fischelis, R. P., & Mordell, J. S.** Effect of War Production Board orders on hospital pharmacy. Hospitals, 1943, **17**: 58–61.—**Fonseca, M., jr.** Economia no uso de medicamentos. Hospital, Rio, 1943, **23**: 615–25. Also Rev. med. mil., Rio, 1943, **32**: 3–14.—**Fritz, G. B.** Adequate supply of drugs now available for physicians. Med. Econom., 1942–43, **20**: 41; 144.—**Kontrol,** khranenie i rasfasovka efira i khloroforma dlja narkoza. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 34–6.—**Linstead, H. N.** Prescribing in war time. Practitioner, Lond., 1940, **144**: 506–11.—**Loeper, M.** Sur les exigences thérapeutiques et les obligations d'économie. Bull. Acad. méd., Par., 1941, 3. sér., **124**: 465–72. Also J. méd. Lyon, 1941, **22**: 436–8.—**Medical** equipment in war time; economy in prescribing. Australas. J. Pharm., 1940, **21**: 733–5.—**Pappworth, M. H.** Saving on drugs. Lancet, Lond., 1941, 1: 162.—**Restrictions** on supplies and businesses. Pharm. J., Lond., 1941, **93**: 213.—**Schweder, M. F.** Arzneimittelverschreibung im Kriege. Wien. klin. Wschr., 1943, **56**: 722–4.—**Steiner, B. F.** Maximum price regulations. N. Jersey J. Pharm., 1942, **15**: No. 9, 8–10—**Supplement** on economy in drugs. Lancet, Lond., 1941, **2**: 614.—**War-time** prescribing. Bull. War M., Lond., 1941–42, **2**: 439–41.

—— Preparations.

Vinogradov, M. I., Vorobjeva, V. S. [et al.] Бензедрин (фенамин) как средство повышения работоспособности при длительном бодрствовании. p.39–74. 25½cm. Moskva, 1944.

Voen. med. sborn., 1944, **1**:

Aleksanjan, A. M., & Mikhaleva, O. A. Vlijanie benzedrina (fenamina) na čuvstvitelnost zritelnogo pribora v processe temnovatoj adaptacii. Voen. med. sborn., 1944, 1: 105–8.—**Ginecinsky, A. G., Samter, J. F., & Natanson, N. V.** O primenenii benzedrina (fenamina) dlja borby s utomleniem letnogo sostava. Ibid., 75–80.—**Ionescu Matiu, A., & Popescu, C.** Contribuţiune la studiul dozării taninurilor şi derivatelor lor. Rev. san. mil., Bucur., 1937, **36**: 403–7.—**Kalbermatten, de.** La coramine, la calcio-coramine et leur application pratique à l'armée. Vjschr. schweiz. Sanitätsoff., 1936, **13**: 76–8.—**Medicinal** herb crops. Pharm. J., Lond., 1942, **95**: 26.—**Orgakinine.** J. R. Army M. Corps, 1941, **77**: 60.—**Rogers, J. A.** Benzedrine. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 58, 1–3.—**Sheiniuk, K.** [Effect of pantocrin on the constitution of chauffeurs] Voen. san. delo, 1936, No. 8, 35–7.—**Suhăţeanu, C., & Obogeanu, E.** Asupra unei aplicaţiuni speciale a acţiunei sterilizante oligodinamice a argintului. Rev. san. mil., Bucur., 1937, **36**: 595–606, illust.—**Tomescu, D.** Consideraţiuni asupra soluţiunilor de adrenalină. Ibid., 122–4.—**Torjescu, V.** Gluconatul de calciu; prepararea soluţiunilor injectabile. Ibid., 943–51.—**Volokhov, A. A., Zagorulko, L. T.** Vlijanie benzedrina (fenamina) na motornuju khronaksiju v uslovijakh ponižennogo barometrićeskogo davlenija. Voen. med. sborn., 1944, 1: 81–90. ——— Vlijanie benzedrina (fenamina) na elektrićeskuju vozbudimost glaza v uslovijakh ponižennogo barometrićeskogo davlenija. Ibid., 91–7. ——— Vlijanie benzedrina (fenamina) na tećenie zritelnogo posledovatelnogo obraza Purkyně v uslovijakh ponižennogo barometrićeskogo davlenija. Ibid., 98–104.

PHARMACY.

See also preceding headings; also **Chemistry; Drug; Drug industry; Drug resources; Drug supply** (and subdivisions) **Gas warfare,** Medical aspects; **Hospital Corps,** U. S. Navy; **Hospital service,** Pharmacological service; **Journals; Therapeutics.**

Bracaloni, L. Preparazione delle fiale di estratto d'uovo (lecitina e luteina) per uso endovenoso destinate ai paesi tropicali. Gior. med. mil., 1942, **90**: 218–25.—**Brumby, H. V.** Opportunity in pharmacy. Mil. Surgeon, 1946, **98**: 424–6.—**D.** Kriegsbotanik. Schweiz. Apoth. Ztg, 1917, **55**: 114–8.—**Gerstner, R. R.** Pharmacy and the defense program. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 67–9.—**Ihsan Sönmez** [Inspection of compressed tablets and pastilles] Askerî sihhiye mecmuası, 1940, **69**: 149–51.—**Kollo, C., Negoiţa, G.** Observaţiuni asupra cercetărei clorurilor in salicilatul de sodiu medicinal. Rev. san. mil., Bucur., 1937, **36**: 205–8. ——— O modificare a reacţiunei taleiochinice şi aplicarea ei la recunoaşterea cojilor de china. Ibid., 383–8.—**Leoveanu, E.** Aplicaţiune tactica sanitara şi farmaceutica. Ibid., 24–31.—**Spengler, M. M.:** Materia medica militaris [Bk. rev.] Schweiz. Apoth. Ztg, 1943, **81**: 258–61.—**Thomann, J.** Pharmacie militaire. Ibid., 1916, **54**: 29–31. ——— Militärhygiene und Militärpharmazie. In his Ausgew. Kap. Milit. Pharm., Bern, 1940, 107–20.—**Vance, J.** How important is military pharmacy? Am. Profes. Pharmacist, 1947, **13**: 262–4.—**Verda.** Pharmacie militaire. Schweiz. Apoth. Ztg, 1914, **52**: 540; passim.

—— Congress.

See also **Military medicine,** Congress.

Agramonte y Guzman, G. E. El décimo Congreso internacional de medicina y farmacia militares de 1939. Rev. san. mil., Habana, 1939, **3**: 232–41.—**Balanescu, I.** Impresiuni din Belgia; Congresul internaţional de medicina şi farmacie militare. Rev. san. mil., Bucur., 1935, **34**: 380–5.—**Congrès** (XII) international de médecine et de pharmacie militaire, Mexico, 23–29 octobre 1949. Ann. belg. méd. mil., 1949, **102**: 20–2.—**Congrès** (20.) international de médecine et de pharmacie militaires. Voj. zdrav. listy, 1949, **18**: 146.—**Thomann, J.** Internationaler (V.) Kongress für Militärmedizin und -Pharmazie. Schweiz. Apoth. Ztg, 1929, **67**: 464–6. ——— La science pharmaceutique dans les Congrès internationaux de médecine et de pharmacie militaires. Arch. méd. belges, 1935, **88**: Bull. internat., 83–91. Also Congr. pharm. Liége (1934) 1935, 238–42. Also Schweiz. Apoth. Ztg, 1935, **73**: 61; 77. ——— Internationaler (X.) Kongress für Militärmedizin und -Pharmazie 1939. Ibid., 1939, **77**: 412–5. ——— Die Tätigkeit der Militärapotheker an den Internationalen Kongressen für Militärmedizin und -Pharmazie. Ibid., 423–6.

—— History.

Dragomir, S. Istoricul farmaciei militare în ţara noastră. Rev. san. mil., Bucur., 1936, **35**: 448; 570. ——— Din istoricul farmaciei militare in România. Ibid., 1937, **36**: 285; 677; 1045. ——— **Ionescu-Matiu, A., & Cerbulescu, C.** L'historique et évolution de la pharmacie militaire en Roumanie. Ibid., 526–31.—**Mas y Guindal, J.** Farmacognosia y terapéutica mora. Bol. farm. mil., Madr., 1931, **9**: 327; passim; 1932, **10**: 1; passim; 1934, **12**: 100.—**P., W. K.** Early history of pharmacy; development of pharmacy in the United States. Hosp. Corps Q., 1944, **17**: No. 4, 19–25.—**Roldán y Guerrero, R.** La farmacia del monasterio de San Lorenzo del Escorial. Bol. farm. mil., Madr., 1934, **12**: 67–75.—**Sevket Artamli.** Ilâç keşifleri nasil doğdu. Askerî sihhiye mecmuası, 1944, **73**: No. 42, 59–61.—**Skladkowski, S.** Apteka polowa pulku piechoty Województwa Krakowskiego. Lek. wojsk., 1921, **2**: 1141.

—— Institutes.

García Porras-Pita, E. El Laboratorio de especialidades farmacéuticas; una fabrica de economias en la Sección de sanidad de la Policia nacional. Rev. san. mil., Habana, 1943, 7: 61–70.—**Pagniello, A.** L'Istituto chimico farmaceutico militare. Atti Ist. ital. stor. chim., 1940–41, **4**: 82–5.—**Panzer, H., & Rohmann.** Anstalt für Pharmazie und Lebensmittelchemie der Universität Jena. CIOS Rep., Lond., 1945, Item 24, No. XXVI–23, 28a–31.

—— Instruction.

Correspondence course for pharmacists. U. S. Nav. M. Bull., 1918, Suppl. No. 6, 37–45, 2 plan.—**Curso** de farmácia militar para farmacêuticos civis. Rev. brasil. farm., 1942, **23**: 479–84.—**Derosne.** La pharmacie militaire au cours d'instruction du Service de santé de Lyon. Caducée, Par., 1911, **11**: 193.—**Downes.** Commencement day; Victorian College of Pharmacy. Australas. J. Pharm., 1940, n. ser., **21**: 140–3.—**Instrucción** (La) pre-militar superior en la Escuela de farmacia. An. Esc. farm. Univ. San Marcos, 1940, **2**: 102–13.—**Rangel Filho, A.** Curso de emergência de farmácia militar para farmacêuticos civis. Rev. brasil. farm., 1942, **23**: 540.—**Shavcov, S. I.** [Courses for increasing the qualifications of pharmacy workers] Voen. san. delo, 1943, No. 10, 57.—**Smith, G. K.** Training Army pharmacy technicians. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1940. **1**: 296–8.

—— Logistics.

See also **Drug supply;** also **Pharmaceutical service.**

Damasio, A. J., Luna Freire do Pilar, O., & Magela Bijos, G. A mobilisação na industria quimico-farmacêutica brasileira. Rev. med. mil., Rio, 1939, **28**: 295–301.—**Dunaev, E. K.** [Production of pharmaceuticals under wartime conditions] Farmacia, Moskva, 1943, **6**: No. 5, 1–6.—**Haas, W.** Kriegswirtschaft und Apotheken. Schweiz. Apoth. Ztg, 1941, **79**: 160–2.—[**Medicine** supply to the army veterinarian] Pharm. tid., Kbh., 1862–63, **2**: 388.—**Natradze, A. G.** [Chemo-pharmaceutical industry in wartime] Farmacia, Moskva, 1944, No. 2, 1–8.—**Thomann, J.** Wirtschaftliche Massnahmen zur Sicherstellung der Arzneimittelversorgung im Kriegsfall. Schweiz. Apoth. Ztg, 1937, **75**: 512–8. ——— Die Arzneimittelversorgung der Armee. Ibid., 1939, **77**: 136; 157; 173.—**W.** Arzneimittelversorgung und Krieg. Schweiz. med. Wschr., 1940, **70**: 737.

—— Manual.

Gemeinhardt, K. Einführung in die Wehrpharmazie. 115p. 8° Stuttg., 1936.

Thomann, J. Ausgewählte Kapitel der Militärpharmazie. 155p. 21cm. Bern, 1940.

United States. Army. Enlisted Technician's School. Letterman General Hospital. Pharmacy, Galenical, for pharmacy technicians. 2 v.; 38 l. 254p. 26½cm. S. Franc., 1942.

—— Arithmetic for pharmacy technicians. 79p. 27cm. S. Franc., 1942.

United States. Army. School for Medical Department Enlisted Technicians. Fitzsimons General Hospital. Pharmacy section: Instructors guide. v. p. 26cm. Denver, 1943.

United States. Navy. Bureau of Medicine and Surgery. Pharmacy and materia medica. 177p. 25½cm. Wash., 1950.

United States. War Department. Technical manual, TM 8-233: Methods for pharmacy technicians. 202p. 23cm. Wash., 1941.

—— Veterans.

See also the same subdivision under **Pharmaceutical service**; also **Pharmacist.**

United States. Veterans Administration. Technical bulletin TB 10-11: Minimum required books for pharmacies; daily working references. 3p. 27cm. Wash., 1946.

—— TB 10A-23: Instructions for preparation of the Monthly Pharmacy Operations report. 4p. 27cm. Wash., 1947.

—— TB 10A-163: Minimum required books for pharmacies (daily working references) 3p. 27cm. Wash., 1948.

—— by countries.

See also **Pharmaceutical service**—by countries; **Pharmacist**—by countries.

Börje. The organization of military pharmacy in the Swedish Defense Forces. Bull. internat. Serv. santé, Liége, 1949, **22**: 159-65.—**Bredenberg, A., & Erhardt, R.** [Military pharmacies] Tskr. mil. hälsov., 1928, **53**: 15-39.—**British** military dispensers; an unexpected danger to Australian pharmacy. Chemist &c. Australasia, 1915, **30**: 164.—**Browne, J. B. W.** Pharmacy in Japanese P. O. W. camps. Australas. J. Pharm., 1946, **27**: 897.—**Cedergren, A.** [Nature of military pharmacies in certain countries] Tskr. mil. hälsov., 1938, **63**: 11-21.—**Edwards, F. S.** Pharmacy with the Army in India. Pharm. J., Lond., 1945, **101**: 55.—**Ferreira dos Santos, A. M.** Apontamentos sôbre a farmácia naval portuguêsa. An. Acad. farm., Madr., 1948, **14**: 345.—**Godínez, T.** La farmacia en el Ejército. Rev. san. mil., Lima, 1938, **11**: 91-9.—**Militärapoteket.** Farm. rev., Stockh., 1947, **46**: 566-71.—**Pinkus Vargas, C. O.** La ciencia farmacéutica como una necesidad en el Ejército nacional. Mem. Convenc. méd. mil. mex., 1936, 311-3.—**Rahm, N.** Anvisningar för användning av vissa läkemedel [tab.] In: Fältmed. vademecum, Stockh., 1940, 123-35.—**Richter, A.** Die Militärpharmazie jenseits der Grenzen. Deut. Apoth. Ztg, 1939, **54**: 14.

—— by countries: Belgium.

Nouvelle (Une) pharmacie militaire à Bruxelles. Dioscorides, Brux., 1939, **2**: 82.—**Pharmacy** in the Belgian Army. Am. J. Pharm., 1919, **91**: 674-8.

—— by countries: Brazil.

Brandão Gomes. Novos rumos a farmacia militar. Rev. med. mil., Rio, 1934, **23**: 107-10.—**Ramoa, F.** Laboratorio pharmacêutico militar. Bol. Ass. brasil. farm., 1926, **7**: 45-8.—**Tourinho, A. C.** O novo laboratorio quimico farmacêutico militar. Rev. med. mil., Rio, 1939, **28**: 241-5.—**Vieira da Fonseca Júnior, M.** A utilidade econômica do L. Q. F. E. baseada no 1. semestre de 1943. Ibid., 1943, **32**: 456-63.

—— by countries: France.

Blaessinger, E. La pharmacie militaire française des origines à nos jours. In his Quelq. grand. fig. pharm. mil., Par., 1948, 9-45, illust.—**Cazé, M.** Charges militaires. In his Coll. pharm. Paris, Strasb., 1943, 104-8.—**Chevallier, A.** Sur la suppression de la pharmacie militaire. J. chim. méd., Par., 1867, 5. sér., **3**: 344-8.—**French** Army pharmacy. Am. Druggist, 1918, **66**: No. 3, 25-7.

—— by countries: Germany.

Deutsche Pharmazie im gegenwärtigen Kriege. Schweiz. Apoth. Ztg, 1943, **81**: 475-9.—**Devin, G.** Die deutsche Militärpharmazie in der Nachkriegszeit. Apothekerzeitung, 1927, **42**: 1068-71.—**Peyer, W.** Weitere Kriegsvorschriften. Deut. Apoth. Ztg, 1943, **58**: 176.—**Re.** Die Feldapotheke Friedrichs des Grossen. Schweiz. Apoth. Ztg, 1940, **78**: 401.—**Thomann, J.** Feldchirurgie und Militärpharmazie. In his Ausgew. Kap. Milit. Pharm., Bern, 1940, 71-106. —— Jetziger Bedarf an Militärapothekern unscrer Armee und deren Aufgaben; Sanitätsmaterialdepots; Organisation und Aufgaben der Militärpharmazie bei einigen andern Armecn; internationale Entwicklung der Militärpharmazie. Ibid., 133-52.—**Weidner, K.** Grundlegung und Ausgestaltung der Militärpharmazie in Bayern. Apothekerzeitung, 1928, **43**: 304-6.

—— by countries: Great Britain.

Linstead, C. Pharmacy in the Army. Pharm. J., Lond., 1945, **100**: 146.—**Pharmacy** in relation to the Royal Army Medical Corps; memorandum by the Society to the War Office. Ibid., 1943, **97**: 182-5.—**Pharmacy** in the Services. Ibid., 1946, **102**: 255.

—— by countries: Russia.

Feldsher, L. N. Аптечное дело. 49p. 22 cm. Moskva, 1942.

Forms No. 7, Sborn. instr. metod. mat. evakohosp.

Bezak, V. Apteka voennaja. In: Encikl. slovar voen. med., Moskva, 1946-48, **1**: 242-5.—**Kalashnikov, V. P.** [The specificity of military pharmacy] Farmacia, Moskva, 1943, **6**: No. 3, 4-8.—**Lukashevich, D.** Aptekarskij prikaz. In: Encikl. slovar voen. med., Moskva, 1946-48, **1**: 245-7.—**Normy** estestvennoj ubyli v aptekakh; prikaz po Narkomzdravu SSSR No. 665 ot 15 maia 1933 g. Sborn. instr. metod. mat. evakohosp., 1942, No. 7, 17-9.—**Rostotsky, J.** Pharmacies in Soviet war hospitals. Australas. J. Pharm., 1945, **26**: 650.

—— by countries: Spain.

Ubeda y Correal, J. El Laboratorio central de medicamentos de sanidad militar. 22p. 25cm. Madr., 1915.

Pérez, L. L. El farmacéutico mayor del Ejército español, Dr. José Marie de la Helguera. Bol. farm. mil., Madr., 1934, **12**: 163-6, portr.—**Salazar, M.** Defensa de las farmacias militares ante el Consejo de Sanidad. Rev. san. mil., Madr., 1933, **23**: 281-3.

—— by countries: Switzerland.

Knapp, C. Das Inventar zur Kriegszeit. Schweiz. Apoth. Ztg, 1942, **80**: 68-71.—**Lehmann, H.** Die Brieftaube im Dienste der Apotheke. Ibid., 1938, **76**: 69.—**Luftschutz-Hausapotheke.** Ibid., 1936, **74**: 317.—**Maeder, R.** Kennzeichnung der Apotheken im Luftschutz. Ibid., 1938, **76**: 67.—**Thomann, J.** Rechnungsstellung bei Arzneilieferungen an Patienten der Militärversicherung. Ibid., 1928, **66**: 172. —— Beiträge zur Geschichte des Militär-Apothekenwesens im Schweizer Heer. Pharm. acta helvet., 1934, **9**: 93-100. Also in his Ausgew. Kap. Milit. Pharm., Bern, 1940, 9-26. Also Spanish transl., Bol. farm. mil., Madr., 1935, **13**: 72; 171. —— Freiburg zur Zeit des Sonderbundes, eine militärische Reminiszenz aus der Geschichte Freiburgs. Schweiz. Apoth. Ztg, 1935, **73**: 518-22. —— Einige militärpharmazeutische Notizen. Ibid., 1937, **75**: 310-2. —— Freiburg zur Internierungszeit vor siebzig Jahren. Ibid., 1941, **79**: 550-4. —— Zur Entwicklung der Militärpharmazie unserer Armee. Ibid., 1943, **81**: 613-8.

—— by countries: United States: Army.

Bienfang, R. The history of military pharmacy in the United States. Am. J. Pharm. Educ., 1947, **11**: 154-6.—**Delahunt, J. C.** Army hospital pharmacy. Surgeon Circ. M. Sect. Far East Command, 1950, **5**: No. 2, 13-8.—**Einbeck, A. H.** Pharmacy in the Army and Navy. Merck Rep., 1947, **56**: 22-6.—**Kenner, A. W.** Pharmacy and the Army. J. Am. Pharm. Ass., 1943, **32**: 395.—**Larson, H. P.** Pharmacy in the Army. Wisconsin Druggist, 1949, **17**: No. 2, 11.—**Pharmacy** in the Army and Navy discussed by the N. P. S. A. Am. J. Pharm., 1919, **91**: 655-7.

—— by countries: United States: Navy.

Aron, E. F. Pharmacy under naval government. Hosp. Corps Q., 1927, **11**: 241-4.—**Hill, A. C.** Pharmacy at Naval Training Center, Great Lakes. Ibid., 1944, **17**: No. 4, 8-11.—**Samuelson, H.** Hospital pharmacy, San Diego. Ibid., 12-4.—**Swanson, C. A.** Navy pharmacy; past, present and future. Am. J. Pharm., 1948, **120**: 199-203. —— Pharmacy in tomorrow's Navy. Tile & Till, 1949, **35**: 2-4.—**Youngken, H. W.,** jr. Pharmacy in the Navy. Am. J. Pharm. Educ., 1944, **8**: 350-7.

—— in wartime.

Address by Dr. John Dale to members of the Pharmaceutical Society of Victoria. Australas. J. Pharm., 1942, **23**: 173.—**American** Pharmaceutical Association meeting acts on war and postwar problems. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1943, **4**: 271-8, portr.—**Bliss, R. W.** Pharmacy in peace and war. Am. J. Pharm. Educ., 1948, **12**: 463-72.—**Colle, H.** Some effects of the war on pharmacy in the United States. Australas. J. Pharm., 1942, **23**: 771. —— Further observations on the reactions of organized pharmacy in

the U. S. and the war, 1943. Ibid., 1943, **24**: 311. ——— The world of pharmacy; U. S. A. at war, 1944. Ibid., 1944, **25**: 334.—**Cook, R. B.** Address of the president of the American Pharmaceutical Association. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1943, **4**: 284–90.—**Downes, J.** Battle tasks at home. Hygeia, Chic., 1942, **20**: 894–7.—**Drugs** and the war. S. Thomas Hosp. Gaz., Lond., 1940, **38**: 97.—**Fischelis, R. P.** Pharmacy in the war effort. N. Jersey J. Pharm., 1943, **16**: 1–4. ——— The president's message. Ibid., 1944, **17**: No. 6, 17–21.—**Griffith, I.** Address of the President of the American Pharmaceutical Association. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1944, **5**: 303–15.—**Heine, H. W.** Pharmacy under war conditions. N. Jersey J. Pharm., 1942, **15**: No. 10, 2–5.—**Higger, S. F.** Drugs in wartime. Med. Ann. District of Columbia, 1942, **11**: 458.—**Kanter, L. M.** Drug standards in wartime. Month. Bull. Maryland Dep. Health, 1943–44, **15**: 77.—**Kelly, E. F.** Report of the Committee on War Activities. J. Am. Pharm. Ass., 1943, **32**: 381–7.—**Klemme, C. J.** Pharmaceutical research and the war. Mask. Menasha, 1943, **40**: 31.—**Kuever, R. A.** Address of the president of the American Association of Colleges of Pharmacy. Am. J. Pharm. Educ., 1942, **6**: 436–52. ——— Pharmacy in the war effort. Ibid., 1943, **7**: 145–50.—**Linstead, H. N.** The war and pharmacy. Pharm. J., Lond., 1942, **94**: 123.—**Parry, L. M.** Pharmacy in war-time. Ibid., 1940, **90**: 37.—**Pharmaceutical** organisations in Europe during the war. Australas. J. Pharm., 1946, **27**: 32–5.—**Pharmacy** in Germany under war conditions. Med. Rec., N. Y., 1940, **152**: 312.—**President** Crawford's address. N. Jersey J. Pharm., 1942, **15**: No. 7, 2–4.—**Reduction** of retail shops; discussion in the Commons. Pharm. J., Lond., 1942, **95**: 40.—**Schmierer.** Pharmazeutische Tagesfragen. Deut. Apoth. Ztg, 1944, **59**: 183.—**Summary** of war-time information. Pharm. J., Lond., 1941, **93**: 95–102.—**Thirty-four** states participate in conference on war problems. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1943, **4**: 99–108.—**Thirty-two** state secretaries attend conference on war problems. Ibid., 1942, **3**: 47–57.—**War** (The) aid fund and the War aid service; a statement by the President. Pharm. J., Lond., 1941, **92**: 17.—**War** insurance; the government's business scheme. Ibid., 275.—**Wuth, K.** Die Auswirkung von Kriegsschäden auf die Besteuerung. Deut. Apoth. Ztg, 1944, **59**: 42.—**Zamet, N.** British pharmacy carries on. Am. J. Pharm., 1941, **113**: 298–300.

PHARMACY Corps.

See also **Pharmaceutical service; Pharmacist.**

Giordano, M. Il corpo farmaceutico e il corpo sanitario militare in Italia. Gior. farm. chim., Tor., 1871, **20**: 24–41.

—— United States.

Adams, A. L. The Pharmacy Corps bill. Am. J. Pharm. Educ., 1943, **7**: 109.—**Army** issue circulars on Pharmacy Corps applications; first examinations for commissions expected to be held in January, 1944. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1943, **4**: 290.—**Army** Pharmacy Corps. Army Navy Reg., 1943, **64**: July 24, 7.—**Bill** introduced to establish Pharmacy Corps in the Army. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, **3**: 227.—**Briggs, W. P., DuMez, A. G.** [et al.] Report of the Committee on the establishment of a Pharmaceutical Corps in the United States Army. Proc. Am. Ass. Coll. Pharm., 1934, **35**: 78–82.—**Bryson, J. R.** Army Pharmacy Corps. Congress. Rec., 1943, **89**: A1555.—**Creation** of an Army Pharmacy Corps. Ibid., A3031.—**Einbeck, A. H.** A Pharmaceutical Corps in the Army of the United States of America. N. Jersey J. Pharm., 1942, **15**: No. 9, 2–4. ——— Report of the Committee on Pharmacy Corps legislation. Ibid., 1943, **16**: No. 6, 45–8.—**Green, L.** Need of Pharmacy Corps in Army. Congress. Rec., 1943, **89**: A2466.—**House** Committee holds Pharmacy Corps Bill hearing. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1943, **4**: 44–8.—**Kendig, H. E.** Our case for a Pharmacy Corps in the Army, as presented before the Senate Committee on Military Affairs. Ibid., 206–11.—**Kerny.** Existe-t-il cadre d'officiers pharmaciens dans l'armée des Etats-Unis d'Amérique? Rev. Corps san. mil., Par., 1948, **4**: 122–5.—**Mayo, C. A.** Why the Pharmaceutical Corps should be established. Am. Druggist, 1918, **66**: No. 4, 25–7. ——— A Pharmaceutical Corps for an army of two million men. Ibid., 28.—**Michener, E. C.** Army Pharmacy Corps. Congress. Rec., 1943, **89**: A1544.—**Mruk, J.** Canadian border restrictions and Pharmacy Corps bill. Ibid., A1851.—**Pharmaceutical** (A) Corps for the Army. Am. Druggist, 1917, **65**: 373–6.—**Pharmacy** Corps. Congress. Rec., 1943, **89**: 6273.—**Pharmacy** Corps bill reported. J. Am. Pharm. Ass. Pract. Pharm. Ed., 1943, **4**: 144–7.—**Pharmacy** Corps bill succeeds. Ibid., 174.—**Pharmacy** Corps established in Medical Department. J. Am. M. Ass., 1943, **122**: 1254.—**Pharmacy** Corps in the Regular Army. Merck Rep., 1942, **51**: No. 4, 10.—**Pharmacy** in the U. S. Army; bill introduced in Congress to establish Pharmacy Corps. Australas. J. Pharm., 1943, **24**: 205.—**Reynolds, R. R.** Pharmacy Corps bill in Senate. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, **3**: 274.—**Tice, L. F.** The Pharmacy Corps bill. Am. J. Pharm., 1942, **114**: 279.—**Urdang, G.** What about an Army Pharmacy Corps? Am. Profes. Pharmacist, 1943, **9**: 225–7.—**Van Zandt, J. E.** Creation of a Pharmacy Corps, United States Army. Congress. Rec., 1943, **89**: A1721.—**Winne, A. L. I.** Pharmacy Corps in the U. S. Army. J. Am. Pharm. Ass., 1928, **17**: 1072–4.

PHARYNX.

See also **Nasopharynx; Neck; Otorhinopharyngology.**

Coon, W. L. Adenoma of the pituitary simulated by a craniopharyngeal neoplasm. Med. Bull. Veterans Admin., 1942–43, **19**: 458.—**Emerson, A.** Treatment of acute pharyngitis and tonsillitis with and without sulfa drugs. U. S. Nav. M. Bull., 1942, **40**: 914–6.—**Krabbe, J. G.** Beitrag zur Kenntnis des Keimvorkommens an Bord eines Kreuzers unter besonderer Berücksichtigung pathogener Keime im Rachen. Veröff. Marine San., 1936, H. 28, 73–86.—**Lalung-Bonnaire, P.** Un poisson vivant, corps étranger du pharynx. Caducée, Par., 1912, **12**: 39.—**Muzzio, J. C., & Galli, L. A.** Ulcera de la faringe por decúbito o contacto; úlcera benigna de la faringe, de Heryng. Rev. san. mil., B. Air., 1941, **40**: 415–7.—**Pewters, J. T., & Bullock, L. T.** Epidemic of acute pharyngitis due to hemolytic streptococci. Bull. U. S. Army M. Dep., 1945, **4**: 579–82.—**Tumulty, P. A., & Michael, M., jr.** Monilial pharyngitis. War Med., Chic., 1945, **8**: 167–73.—**Villiers, J. M. de.** Miasis faringea. Rev. san. mil., Habana, 1941, **5**: 101–4.—**Voizard & Tournier.** Les pharyngites à spirochètes et leurs complications. Bull. Soc. méd. mil. fr., 1927, **21**: 14–8.—**Warren, S.** The pathological aspects of acute pharyngeal infections. U. S. Nav. M. Bull., 1943, **41**: 1252–7.

PHENOL.

Robinson, F. C. A case of carbolic gangrene. J. R. Nav. M. Serv., 1919, **5**: 103.—**Saka, S.** Undō-ki-kei no tōtū ni tai-suru sekitan-san no tiryō-teki kati ni tuite [Therapeutic value of phenol for motor-nerve pain] Gun idan zassi, 1933, 1211–27.—**Sheppe, W. M.** Treatment of phenol poisoning with methylene-blue. Mil. Surgeon, 1935, **76**: 30–2.

PHENOL derivatives.

Gierlach, Z. S., & Krebs, A. T. Some preliminary observations on the effects of ultraviolet light, alpha rays and X rays on 2,3,5-triphenyltetrazolium chloride solutions. 10 l. 29cm. Fort Knox, 1948.

Forms Proj. No. 6–64–12–06–(16) U. S. Army M. Dep. Field Res. Laborat.

Morey, G., Gabuzda, G. J., & Scudamore, H. H. Report of sensitization to bromosulphalein (phenoltetrabromphthalein-disodium sulfonate) 6 l. 27cm. Chic., 1948.

Forms No. 41, Rep. Med. Nutrit. Laborat. U. S. Army.

Lawrason, F. D., Eltzholts, D. C. [et al.] Observations on bone marrow regeneration and blood in chronic phenylhydrazine anemia in swine. Sympos. Mil. Physiol., Wash., 1947, 301.—**Sasida, R.** Lobeline oyobi 1- u. dl-phenyl propanal phenyl propanon Methylamin HCl. no tekisyutu kato no tyōkan (katuhei-kin) ni tai-suru yakubutugaku-teki sayō no hikaku kenkyū ni tuite [Comparative studies on the medical action of l- and dl-phenyl propanal phenyl propanon methylamin HCl. on the excised intestine of rabbits] Gun idan zassi, 1938, 1081–8.—**Yamaguti, K.** Lobeline ruizi-yaku l-(dl-)phenylpropanal phenylpropanon methylamine ensan no ippan tyūdoku sayō narabi ni kokyū oyobi ketuatu ni oyobosu sayō [General poisoning by, and the influence on respiration and blood-pressure of, l-phenylpropanal phenylpropanon methylamine HCl and dl-phenylpropanal phenylpropanon methylamine HCl, drugs resembling lobeline] Ibid., 591–612.

PHENOTHIAZINE.

See also **Helminthosis.**

Elliott, W. G. M. Phenothiazine treatment of multiple intestinal helminthic infestations. J. R. Army M. Corps, 1943, **80**: 156–9.—**Swales, W. E.** Phenothiazine, its role in the control of parasites of horses. J. R. Army Vet Corps, 1942–43, **14**: 17–21.—**Taylor, E. L.** A note on phenothiazine. Ibid., 1940–41, **12**: 66–8.

PHEOCHROMOCYTOMA.

See under **Tumor.**

PHILIPPINE Islands.

See also **Air Force; Hospital report; Medical Corps; Medical service; Morbidity; Ration; Sanitation; Tropical service; Tuberculosis; World War II.**

Copeland, E. B. War selection in the Philippines. Sc. Month., 1916, **3**: 151–4.—**Gardner, L. L.** The ascent of Piapayungan. Mil. Surgeon, 1930, **66**: 35–58.—**Horrocks, G. E.** Medical practice in Zamboanga. Ibid., 1935, **76**: 138–41.—**Lull, G. F.** Since the days of the empire. Ibid., 1931, **69**: 512–7. ——— Health conditions in the Philippine Islands. Ibid., 1933, **72**: 215–24. ——— & **Rizal, L. L.**

Causes of death among white residents of Manila. Ibid., 1931, **69:** 619–24.—**McKellar, H. R.** Disease susceptibility in Filipinos, an ethnological comparison. Ibid., 1–12.—**Maus, L. M.** Military sanitary problems in the Philippine Islands. Ibid., 1909, **24:** 1–31.—**Peak, I. F.** Philippinitis. Ibid., 1931, **69:** 595–607.—**Williamson, M. J.** Manila and a gold mine. J. R. Army M. Corps, 1937, **68:** 384–9.

PHILIPPOPOLI (1913)

See under **Ambulance service,** History.

PHIMOSIS.

See under **Surgical technic,** Penis.

PHLEBITIS.

See also **Disease**—by organs: Cardiovascular system.

Harguindeguy, E. Nuevas orientaciones en el tratamiento de la flegmasia alba dolens. Rev. san. mil., B. Air., 1942, **41:** 169–84.—**Maggio, P.** Irudinizzazione e flebite sperimentale. Gior. med. mil., 1937, **85:** 1073–83.—**Phlebitis.** Statist. Navy M., 1948, **4:** No. 8, 2.—**Robertson, H. R., Share, M., & McGovern, J. E.** Venographic studies in the post-phlebitic limb. Treatm. Serv. Bull., Ottawa, 1949, **4:** No. 8, 42–51.—**Ross, C. C.** Phlebothrombosis. Ibid., 1948, **3:** No. 5, 13–23.—**Van Langenberg, E. R.** Phlebitis migrans. J. R. Nav. M. Serv., 1942, **28:** 392.

PHLEBOTOMUS.

See also next heading.

Anderson, W. M. E. Anti-sandfly spraying with lethane and pyrethrum. J. R. Army M. Corps, 1942, **79:** 12–24.—**Cox, W. C.** [To reduce sandfly breeding] In: Prev. Med. in World War II, Wash., 1948, **11:** 43.—**Goulding, R. L., jr. Curran, R. F., & Harden, F. W.** Cooperative salt-marsh sand fly investigations. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 8, 20–3.—**Hertig, M.** Biology and taxonomy of Phlebotomus sand flies and their control. Ibid., 1948, No. 2, 24; No. 3, 46; 1949, No. 8, 34. ——— Biology, taxonomy and control with DDT of phlebotomus sandflies. Res. Program U. S. Army Med. Res. Bd, 1948, Jan., 152. ——— **& Fisher, R. A.** Control of sandflies with DDT. Bull. U. S. Army M. Dep., 1945, No. 88, 97–101.—**Lenz.** Essential facts concerning the biology and fighting of sandflies. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 228–32.—**Loughnan, W. F. M.** Phlebotomus flies in Mauritius. J. R. Army M. Corps, 1929, **53:** 202–5.—**Muehlens.** On epidemiology and control of pappataci fever. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 224–6.—**Perfiljev, P. P.** Uslovija borby s Phlebotomus papatasii v Sevastopole do i posle Vojny II. Tr. Vocn. morsk. med. akad. (1947) 1948, 381–91.—**Philip, C. B., Paul, J. R., & Sabin, A. B.** Dimethyl phthalate as a repellent in control of phlebotomus (pappataci or sandfly) fever. War Med., Chic., 1944, **6:** 27–33.—**Weyer.** Essential facts concerning the fighting of sandflies. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 227.

PHLEBOTOMUS fever.

Syn.: Pappataci fever: Sandfly fever; Three-day fever.

See also preceding heading.

United States. War Department. Technical bulletin TB MED 82: Sand-fly (Pappataci, Phlebotomus) fever. 4p. 26cm. Wash., 1944.

Anderson, W. M. E. Clinical observations on sandfly fever in the Peshawar district. J. R. Army M. Corps, 1941, **77:** 225–39.—**André & Bourgain.** La fièvre à phlébotomes dans la région toulonnaise. Bull. Soc. méd. mil. fr., 1945, **39:** 227–9.—**Berbić, S., & Bičakčić, H.** Naša epidemiološka iskustva u borbi protiv febris pappataci. Voj. san. pregl., Beogr., 1948, **5:** 427–32.—**Birt, C.** Phlebotomus fever in Malta and Crete. J. R. Army M. Corps, 1910, **14:** 236–58.—**Boehnhardt, H.** Eine eigentümliche Fiebererkrankungen in Bessarabien. Deut. Militärarzt, 1942, **7:** 291–4.—**Bruhat.** La fièvre à phlébotomes au centre marine de Beyrouth. Arch. méd. pharm. nav., 1922, **112:** 412.—**Distribution** of sandfly fever. Bull. U. S. Army M. Dep., 1944, No. 80, 15.—**Franchini, J.** Mémoire sur la fièvre dite de trois jours à Bologne, Modène et leur province; étude speciale à l'épidémie chez les militaires. Rapp. Congr. internat. hyg. méditer. (1932) 1933, 1. Congr., **2:** 49–58.—**Hartley, J. A.** Notes on an outbreak of phlebotomus fever. J. R. Army M. Corps, 1918, **31:** 317.—**Hertig, M.** Sandflies (Phlebotomus) and sandfly fever (pappataci fever, 3-day fever) Med. Bull. North Afr. Theater U. S., 1944, **2:** 16.—**Hoering.** Recent experience with pappataci fever, clinical aspects and treatment. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 226.—**Karakašević, B.** O prvoj epidemiji papatićijeve groznice na teritoriji N. R. Srbije. Voj. san. pregl., Beogr., 1947, **4:** 224–8.—**Lambert, J.** Phlebotomus fever. J. R. Nav. M. Serv., 1923, **9:** 289; 1924, **10:** 24.—**Lecercle.** Sur une affection fébrile dite fièvre à phlébotome, observée à l'armée du Levant. Bull. Soc. méd. mil. fr., 1923, **17:** 321–5.—**Less** sandfly fever among troops. Ind. M. Gaz., 1940, **75:** 563.—**Lukianchikov, M. Z.** [Clinical aspect of pappataci fever] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 552–9.—**Milne, R. I.** A note on the incidence of sandfly fever in the Naval camp at Haifa. J. R. Nav. M. Serv., 1945, **31:** 179–81.—**Rogozin, I.** Pappataći likhoradka (febris pappatasii) In: Encikl. slovar vocn. med., Moskva, 1946–48, **4:** 315–8.—**Rose.** Pappataci fever. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 223.—**Sabin, A. B., Philip, C. B., & Paul, J. R.** Phlebotomus (pappataci or sandfly) fever, a disease of military importance; summary of existing knowledge and preliminary report of original investigations. J. Am. M. Ass., 1944, **125:** 603; 693.—**Sachs, A., & Poole, L. T.** Preliminary results of an investigation into the etiology of sandfly fever. J. R. Army M. Corps, 1934, **63:** 73–9.—**Sandfly** fever (Pappataci fever) Circ. Lett. Surgeon North Afr. Theater Oper., 1944, No. 40, 1.—**Sandfly** (pappataci, Phlebotomus) fever. Bull. U. S. Army M. Dep., 1945, **4:** 291.—**Shortt, H. E., Poole, L. T., & Stephens, E. D.** Sandfly fever on the Indian frontier; a preliminary note on some laboratory investigations. J. R. Army M. Corps, 1934, **63:** 361; 1935, **64:** 17. ——— Note on some experiments with sandfly fever blood and serum. Ibid., 1936, **67:** 246–50.—**Simić, T.** [A contribution to the study of Phlebotomus and pappataci fever in South Serbia] Voj. san. glasnik, 1932, **3:** 426–55.—**Van Auken, H. A.** Sandfly fever. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 123, ch.—**Warren, R. O. Y., & Johnson, J. W.** Sandfly fever in NATOUSA. Med. Bull. Medit. Theater U. S., 1945, **3:** 160–4.

PHONOCARDIOGRAPH.

See under **Heart sound.**

PHORMIA.

See also **Fly.**

Hill, D. L., Bell, V. A., & Chadwick, L. E. Rearing of the blowfly, Phormia regina Meigen, on a sterile synthetic medium. 6p. 27cm. Edgewood Arsenal, 1946.

Forms Rep. No. 91, Med. Div. Chem. Corps U. S. Army.

PHOSGEN [$CO.Cl_2$]

See also **Gas poisoning,** Tear gas; **Pressure breathing,** therapeutic.

Cahan, A. M. Intermittent positive pressure breathing and treatment of pulmonary edema resulting from exposure to gaseous lung irritants, such as phosgene. 6 l. 28½cm. Dayton, 1943.

Forms No. ENG–49–660–49–F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Galdston, M., Luetscher, J. A., & Longcope, W. T. A study of the residual effects of phosgene poisoning in human subjects. 82p. 27cm. Edgewood Arsenal, 1945.

Forms No. 49, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Karel, L., Weston, R. E. [et al.] Studies on the toxicology of phosgene; the determination of the retained median lethal dose and the respiratory response in unanesthetized, normal dogs, goats, monkeys, and rabbits, exposed by dosimetric gassing. 37p. 27cm. Edgewood Arsenal 1946.

Forms No. 70, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

——— The determination of the retained median lethal dose and the respiratory response in unanesthetized, tracheotomized dogs and rabbits exposed by the method of dosimetric gassing. 16p. 27cm. Edgewood Arsenal, 1946.

Forms No. 75, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Karel, L., Weston, R. E., & Gogins, P. A. A re-evaluation of the prophylactic effect of hexamethylenctetramine in dogs exposed to phosgene. 13p. 27cm. Edgewood Arsenal, 1946.

Forms No. 78, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Longcope, W. T., Luetscher, J. A., jr, & Galdston, M. Residual effects of phosgene poisoning. 2p. 28cm. Wash., 1944.
Forms No. 9, Rep. Com. Treatm. Gas Casual. U. S. Nat. Res. Counc.

Barcroft, J. The delayed effects of phosgene in rabbits, with special reference to the influence of muscular contraction. Rep. Chem. Warf. M. Com. Gr. Britain, 1918, No. 14, 1–28, 15 tab.—**Boycott, A. E., & Hunt, G. H.** Experiments to determine whether venesection had any therapeutic value in goats gassed with small doses of chloropicrin and phosgene. Ibid., No. 13, 15.—**Dunn, J. S.** Report on pathological changes in the lungs of goats resulting from inhalation of phosgene. Ibid., No. 9, 4–34, illust.—**H., J. R.** Phosgene from freon. Bumed News Lett., Wash., 1944, 4: No. 5, 8.—**Kroeber.** Phosgene oxide. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 287.—**Lange, G.** Phosgenforgiftningen og dens behandling. Norsk tskr. mil. med., 1931, 35: 24–62.—**Lustig, A.** Intorno alle dottrine sul meccanismo d'azione del fosgene ($CO Cl_2$) trattamento dei fosgenati. Gior. med. mil., 1937, 85: 801–5.—**Postel, S., Tobias, J. M.** [et al.] The effect of exercise on mortality of animals poisoned with diphosgene. Proc. Soc. Exp. Biol., N. Y., 1946, 63: 432–6.—**Rothlin, E.** Sur la thérapeutique de l'intoxication par le phosgène. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., 2: 290–9.—**Tobias, J. M., Postel, S.** [et al.] Localization of the site of action of a pulmonary irritant, diphosgene. Am. J. Physiol., 1949, 158: 173–83.—**Treatment** of casualties from phosgene. Bull. Army M. Dep., Lond., 1944, No. 38, 6–8.

PHOSPHATE.

See **Fluorophosphate; Phosphorus; Strength.**

PHOSPHENE.

See **Poison.**

PHOSPHOROUS bullet.

See under **Bullet.**

PHOSPHORUS.

Flury. Phosphor. Deut. Militärarzt, 1944, 9: 113–7.—**Jensen, H. F., Cagan, R. N., & Gray, J. L.** Study of the effects of subnormal temperatures on the metabolism of various phosphorous compounds in rats. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 1, No. 4, 1; Proj. 2, No. 3, 1.—**Jensen, H. F., Cagan, R. N.** [et al.] [The same] Ibid., Proj. 3, No. 2, 1; Proj. 4, No. 2, 1.—**Study** of the effects of subnormal temperatures on the metabolism of various phosphorous compounds in rats. Res. Program U. S. Army M. Res. Bd, 1947, July, 100.

PHOSPHORUS bomb [incl. burns]

See also under **Incendiary.**

Walker, J., jr, Galdston, M. [et al.] WP casualties at Edgewood Arsenal, Maryland, 1945. 140p. 27cm. Edgewood Arsenal, 1946.
Forms No. 103, Rep. Med. Div. Chem. Corps U. S. Army.

Walker, J., jr, Wexler, J., & Hill, M. L. Quantitative analysis of phosphorus-containing compounds formed in WP burns. 20p. 27cm. Edgewood Arsenal, 1945.
Forms No. 37, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Case of phosphorus burns in the dairy cow. J. R. Army Vet. Corps, 1945–46, 17: 21–3.—**Copper** sulfate pad for white phosphorus contamination. Bull. U. S. Army M. Dep., 1945, 4: 37.—**Dostrovsky, A., Kaplan, S., & Tas, J.** Burns by phosphor bombs. Harefuah, Tel Aviv, 1949, 36: 9–11.—**Kondō, Y.** Ohrin sōsyō ni kan-suru zikken-teki kenkyū [Experimental study on wounds caused by yellow phosphorus] Kaigun gun-ikai zassi, 1940, 29: 307–43, 2 pl.—**Raymond, G.** Phosphorus burns. J. Canad. M. Serv., 1943–44, 1: 520–4.—**Szablowski.** Burns caused to the skin of horses by phosphorus. J. R. Army Vet. Corps, 1939, 10: 23.—**Treatment** of phosphorus burns. Bull. Army M. Dep., Lond., 1944, No. 35, 1–3.—**Walton, D. D.** A treatment for white phosphorus burns. Chem. Warf. Bull., 1942, 28: 141–3.—**White** phosphorus burns. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 19.

PHOTIC driving.

See also **Electroencephalography.**

Boston, Mass. Massachusetts General Hospital. Electroencephalographic Laboratory. Technical report on photic driving. 3 l., 2 l. 28cm. Bost., 1949.
Forms: ONR Contract N5-ori-76, Project VIII, NR-152-040.

PHOTOGRAPHY.

See also such terms as **Bombardment; Identification; Intelligence; Mouth,** Photography.

—— clinical.

Colour photography. Bull. Army M. Dep., Lond., 1943, No. 19, 7.—**Creer, R. P.** Clinical photography in the United States Army. Mil. Surgeon, 1939, 84: 232–5.—**Dittmann, S. P.** Medical photography in the Army. J. Biol. Photogr. Ass., 1946–47, 15: 19–22.—**Fitch, H. B.** Clinical photography. Med. Bull. Europ. Command, 1950, 7: 57–68, illust.—**Harris, G. S.** Standardized clinical photography. U. S. Nav. M. Bull., 1945, 45: 277–86.—**Long, H. F. A.** Problems in clinical photography. Mil. Surgeon, 1947, 101: 27–32.—**Reeve, R. M.** Recent advances in three-color photography at the Army Medical Museum. J. Techn. Meth., Toronto, 1936, No. 15; 53–5.—**Richter, J. W.** Maxillofacial kodachrome photography. U. S. Nav. M. Bull., 1944, 43: 495–501.—**Thrower, A. H.** Colour photography as an aid to medicine. J. R. Army M. Corps, 1945, 84: 236.—**U. S.** Army medical photography helps save lives of fighting men. Radiogr. Clin. Photogr., 1945, 21: 16.

—— Equipment.

Gunn, E. M. Clinical photographic laboratories. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 138–41.—**Hodes, P. J.** Contact printer for film identification. Bull. U. S. Army M. Dep., 1945, 4: 241–3.—**Kuga, K., & Tomiie, M.** Roentgen-syasin ingasi tyokusetu satuei-hō [Method of roentgen photography directly onto positive-print paper] Gun idan zassi, 1929, 1411–6, 2pl.—**Patterson, R. H., Anderson, F. M., & Aitken, G. T.** Shadow box. Bull. U. S. Army M. Dep., 1944, No. 80, 26.—**Use** of sea water for washing films and papers. Bumed News Lett., Wash., 1943, 2: 14.—**White, H. R.** Development of medical research camera. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 30; July, 40.

PHOTOPLANATOR.

Carpenter, A. Laboratory photoplanator. 18 l. 29cm. Fort Knox, 1948.
Forms Proj. No. 6-64-12-05-(1), U. S. Army M. Dep. Field Res. Laborat.

Carpenter, A. W. Photoplanator. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 1, No. 1, 1, illust.; 1948, App. A, No. 3, 1–4, illust.—**Photoplanator.** Res. Program U. S. Army M. Res. Bd, 1946, Oct., 142.

PHOTOSENSITIZATION.

See also **Dermatosis; Disease**—by specific type: Allergy.

Sugino, K. Keikō-sei sikiso no seitai-nai ketueki syo-seibun ni tai-suru kōrikigaku-teki sayō no umu ni tuite [Photodynamic action of various constituents of the blood in vivo] p.1443–506. 22cm. Tōkyō, 1929.
Gun idan zassi, 1929.

Pratt, S. W. Two cases of light sensitization due to sulphanilamide used in the treatment of gonorrhoea. J. R. Nav. M. Serv., 1941, 27: 69.

PHOTOTHERAPY.

See **Physical therapy.**

PHRENIC nerve.

Brooks, J. D. Phrenicotomy; report of thirteen cases. U. S. Veterans Bur. M. Bull., 1930, 6: 1042–8, 8 pl.—**Hughens, H. V.** Phrenic exeresis. U. S. Nav. M. Bull., 1936, 34: 519–23.—**Martin, A.** Phrenic surgery in intrapulmonary disease. Med. Bull. Veterans Admin., 1931, 7: 851–7.—**Nalty, W. C.** A 2-year review of results in phrenic nerve operations. Ibid., 1939–40, 16: 215.—**Walker, A. G.** Phrenic exeresis. Ibid., 1932, 8: 431–4, 9 pl.

PHTHALATE.

See under **Poison.**

PHTHIRIASIS.

See also **Pediculosis.**

Daniels, R. P. DDT in the control of pubic lice. Hosp. Corps Q., 1949, 22: 21.—**Gordon, J. E.** Crab lice. In: Prev. Med. in World War II, Wash., 1948, 2: pt 9, 39.—**Schiller, F.** A case of phthiriasis palpebarum. Med. Bull. Europ. Command, 1949, 6: No. 8, 20.—**Sutton, R. L., jr.** Pediculosis pubis; treatment with DDT in cold cream. Bull. U. S. Army M. Dep., 1945, 4: 480.

PHTHISIOLOGY.

See **Tuberculosis.**

PHYSICAL conditioning.

See **Physical training.**

PHYSICAL defect.

See under **Aviator,** Defects; **Officer,** Defects; **Recruit,** Health and disease.

PHYSICAL examination.

See related material under **Aviator; Dental examination; Heart,** Examination; **Injury,** Examination; **Medical examination; Musculoskeletal system; National Guard,** etc.

PHYSICAL fitness.

See under **Fitness.**

PHYSICAL medicine.

See **Physical therapy.**

PHYSICAL standards.

See **Aviator,** Physical standards; **Dental examination,** Standards; **Medical examination; National Guard; Regulation; Vision,** Standards.

PHYSICAL therapist.

See also **Occupational therapist; Physical therapy aide.**

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A-50: Preparation of theses and projects by student social workers and physical therapists [1] p. 27cm. Wash., 1947.

VOGEL, E. The role of physical therapists in the Army Medical Department. 4p. 27cm. Wash., 1948.

Cotton, F. J. The need for war-trained physiotherapy experts in the hospital. Mod. Hosp., 1920, **14:** 101.—**Coulter, J. S., & Carter, H. A.** Need for physical therapy technicians. War Med., Chic., 1942, **2:** 824-9.—**Educational** plans for returning physical therapy veterans. Physiother. Rev., 1946, **26:** 24-30.—**Krusen, F. H.** The need for trained personnel in Army departments of physical therapy. Surg. Gyn. Obst., 1942, **74:** 1160.—**Need** (The) for physical and occupational therapy technicians in wartime physical reconstruction. J. Am. M. Ass., 1943, **123:** 639.—**Programma** kratkogo kursa po lečebnoj fizkulture pri travmakh voennogo vremeni dlja instruktorov fizkultury, rabotajuščikh v hospitale. Sborn. prikaz. instruke. Narkomzdr., 1942, No. 2, 9-13.—**Vogel, E. E.** The status of Medical Department physical therapists from World War I to V-J day. Physiother. Rev., 1946, **26:** 259-61.—**War** (The) service record of the members of the Society of Physical Therapy Physicians. Arch. Phys. Ther., 1943, **24:** 105.

PHYSICAL therapy.

See also **Hydrotherapy; Injury,** Treatment: Physical therapy; **Kinesiology; Massage; Occupational therapy; Radiotherapy; Therapeutics; War neurosis,** Treatment: Occupational and physical therapy; **Wound,** Treatment: Physicotherapy.

Bierman, W. Physical therapy in war medicine. Hebrew M. J., N. Y., 1943, **2:** 187-92.—**Broderson, B. M.** [Importance of physiotherapy during military operations] Sovet. vrach. J., 1939, **43:** 165-74.—**Coffey, T. H.** Physical medicine. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 48-52.—**Gorinevskaja, V.** Lečebnaja fizičeskaja kultura. In: Encikl. slovar voen. med., Moskva, 1946-48, **3:** 487-96.—**Knapp, M. E.** The scope of physical medicine. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, **3:** 172-203.—**Physical** medicine, orthopaedics, and the services. Brit. M. J., 1941, **1:** 633.—**Physical** medicine and reconditioning. Bull. U. S. Army M. Dep., 1946, **6:** 399-401.—**Piersol, G. M.** The value of physical therapy in internal medicine. Ibid., 1947, **7:** 674-86.—**Remenji-Sarić, S., & Radojević, L.** Značaj i primena terapeutske fizkulturne. Voj. san. pregl., Beogr., 1945, **2:** No. 8, 20-30.—**Rudolph, H. L.** Salient observations on physical medicine in the service. Arch. Phys. M., 1947, **28:** 636-44.—**Spence, M. B.** Physiotherapy. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 53-5.—**Strickland, B. A., jr.** Physical medicine. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 61-5.—**Weiser, M. I.** The physical treatment in the military medicine. Harefuah, Tel Aviv, 1943, **24:** 7.

—— Congress.

Ivanov, S. M. [Conference at the front on physical therapy] Voen. san. delo, 1943, No. 11, 76.—**Krusen, F. H.** Introduction to the symposium on military physical medicine. Med. Clin. N. America, 1943, **27:** 1024.—**Sarkizov-Serazini, I. M.** [Results and resolutions of the 1st Pan-union Conference of therapeutic physical culture in war trauma] Sovet. med., 1942, **6:** No. 9, 29.

—— field.

Amrhein, I. J. Home-made exercise devices for physical therapy; with an evaluation for field use. Physiother. Rev., 1944, **24:** 91-5.—**Bleich, A. R.** Physiotherapy in the field. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 28, 15.—**Health** shacks. Bumed News Lett., Wash., 1943, **2:** No. 11, 22.—**Physiotherapy** clinic in the jungle. Am. J. Nurs., 1944, **44:** 574.—**Robertson, B.** Physical therapy in the Marianas. Physiother. Rev., 1945, **25:** 80.—**Weeden, W. M., & Stein, H. D.** Physiotherapy in a combat zone. Field M. Bull. U. S. Army, N. Delhi, 1944, **3:** 84-9.

—— Institutes and departments.

Andring, P. V. [Basic principles in the organization and methods of physical therapy in evacuation hospitals] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 452-8.—**Bond, D. E.** Post-war physiotherapy in military hospitals. J. Chart. Soc. Physiother., Lond., 1944-45, **30:** 132.—**Burci, E.** Ospedale militare speciale per cure fisiche in Firenze. Boll. Fed. naz. mil. mutil., 1916, **1:** 89-92.—**Eighth** (The) Army gets fit again; physiotherapy at an Army hospital [Illust.] Nurs. Times, Lond., 1943, **39:** 481.—**Ely, E. J.** The place and value of physiotherapy departments in the R. C. A. M. C. J. Canad. M. Serv., 1945-46, **3:** 125; 1946-47, **4:** 158.—**Gerner, M. S.** [Therapeutic physical culture in evacuation hospitals] Feldsher, Moskva, 1942, 9-12.—**Grace, J. J.** Convalescent hospital treatment in England. Am. J. Electrother., 1918, **36:** 62-4.—**Greenhill, F.** Physiotherapy in an emergency hospital. Nurs. Times, Lond., 1943, **39:** 668.—**Herner, M. S.** [Therapeutic physical culture in evacuation hospitals] Sovet. med., 1942, **6:** No. 9, 30.—**Hicks, C.** Physical medicine in Army hospitals. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 6, 14-7.—**Hirtz.** Le service de physiothérapie de l'Hôpital militaire du Dey (Alger) Arch. méd. pharm. mil., 1912, **60:** 559-71.—**Korobkov, A. N.** Opyt primenenija lečebnoj fizkultury v evakohospitaljakh Zabajkalskogo voennogo okruga. Voen. san. delo, 1940, No. 8, 105-7.—**Lowman, E. W.** Physical medicine in the isolated military dispensary. Arch. Phys. Ther., 1943, **24:** 517-23.—**McMillan, C. W.** Physical therapy in military hospitals. Med. Herald, 1931, **50:** 92.—**Müller, E.** Die neue physikalisch-therapeutische Anstalt des k. Garnisonlazarethes München. Mschr. phys. diät. Heilmeth., 1910, **2:** 35-9.—**Patterson, R. U.** Physical therapy in Army hospitals. Proc. Ann. Congr. M. Educ., 1932, 117-9.—**Reiger, A.** Station hospital physical therapy. Arch. Phys. M., 1945, **26:** 104-9.—**Retelskaja, L. V.** [Application of therapeutic physical culture in evacuation hospitals] Khirurgia, Moskva, 1941, No. 9, 53-7.—**Rose, D. L.** High lights of physical medicine at Walter Reed General Hospital, 1941-46. Arch. Phys. M., 1947, **28:** 99-108.—**Rusk, H. A., & Voldeng, K. E.** Physical medicine in the Army Air Forces convalescent hospital. Ibid., 1945, **26:** 766-9.—**Sabatucci, F.** Il reparto di elettrologia e terapia fisica dell'Ospedale militare del Celio. Policlinico, 1944, **51:** sez. prat., 433-47.—**Smart, M., & Kiernander, B.** Physical medicine in the Royal Air Force; the Central Medical Establishment. Brit. J. Phys. M., 1945, **8:** 126-30.—**Tichy.** Aufgaben eines Reserve-Kurlazaretts im Heilplan für Rheumakranke und bewegungsgestörte Soldaten. Med. Klin., Berl., 1940, **36:** 1375 (Abstr.)—**Titus, N. E.** Organization and equipment of a physical therapy department for convalescent and general hospitals during war. Mil. Surgeon, 1942, **91:** 177-81.—**Wacker, T.** Travail de l'Institut universitaire de physiothérapie de l'Hôpital cantonal de Genève. Vjschr. schweiz. Sanitätsoff., 1940, **17:** 6-13.—**Weeden, W. M., & Stein, H. D.** Physical medicine in an evacuation hospital. Arch. Phys. M., 1945, **26:** 272-5. Also Bull. U. S. Army M. Dep., 1945, No. 84, 85-9.

—— Instruction.

Krusen, F. H., & Elkins, E. C. Teaching of physical medicine in relation to the war effort. Arch. Phys Ther., 1943, **24:** 543-56. Also War Med., Chic., 1943, **3:** 367-85.

—— Manual.

HECHT, V. Leitfaden der physikalisch-therapeutischen Nachbehandlung Kriegsverwundeter: Massage, Heilgymnastik, Apparatbehandlung, Thermo-, Hydro- und Elektrotherapie. 260p. 22cm. Wien, 1916.

UNITED STATES. NAVAL HOSPITAL. Physical therapy technique. 87p. 27cm. Bethesda, 1944.

Weed, L. H., Fishbein, M. [et al.] Physical therapy; a manual prepared by the Council on Physical Therapy of the American Medical Association. Army M. Bull., 1942, **64**: 140–78.

—— Mechanotherapy.

BURMEISTER, R. Eine mediko-mechanische Abteilung, von Leichtverwundeten kostenlos hergestellt. 128p. 8° Berl., 1918.

Forms H. 67, Veröff. Mil. San.

FROSTELL, G. Kriegsmechanotherapie. 176p. 19cm. Berl., 1917.

Calder, C. E. Physical therapy equipment limited by War Production Board. J. Am. Osteopath. Ass., 1942–43, **42**: 335.—**Davidov, V. G.** Prostejšie apparaty mekhanoterapii dlja sodružestvennykh dviženij konečnostej. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 149–53.—**Freifeld, J. A.** Posobie dlia mekhanoterapii verkhnikh i niżnikh konečnostej. Ibid., 153–5, 2 pl.—**Gukov, A. P., & Gurshman, A. M.** [Results of the application of the Stern-Vasilkov physiotherapeutic apparatus in the Navy] Tr. Voen. morsk. med. akad., 1941, **1**: 252–60.—**Obrosov, A. N.** Komplekt peredviżnoj fizioterapevtičeskoj apparatury. Voen. med. J., Moskva, 1945, April, 38–41.

—— Methods.

See also **Nerve injury, Treatment: Physiotherapy; Wound, Treatment: Physiotherapy.**

Adam, H. Die Nachbehandlung Kriegsverletzter mit physikalischen Mitteln. Deut. med. Wschr., 1940, **66**: 819–21. Also Klin. Wschr., 1940, **19**: 429. Also Med. Klin., Berl., 1940, **36**: 365. Also Münch. med. Wschr., 1940, **87**: 736.—**Barron, N.** Physical education. Reveille, Lond., 1918, **1**: 125–33.—**Broderson, B. M.** [Physiotherapy of wounds and injuries] Voen. san. delo, 1935, No. 11, 5–15. ——— [Significance of urticariogenous substances in physiotherapy] Tr. Acad. mil. méd. Kiroff, 1936, **5**: 193–201.—**Bykhovsky, S.** Treatment of military traumatic lesions. Brit. J. Phys. M., 1942, **5**: 175.—**Ebel, S.** Einige Bemerkungen über physikalische Therapie der Kriegskrankheiten. Zschr. phys. diät. Ther., 1915, **19**: 182–90.—**Elson, M., Coulter, J. S.** [et al.] War injuries. Discuss. Conf. Am. Physiother. Ass. (1942) 1943, **21**: 127–58.—**Gantkowski, P.** [Helio- and aerotherapy in general and in sanatoriums in particular] Lek. wojsk., 1935, **26**: 392–416.—**Hills, F. R.** Physical therapy for the wounded soldier. Trained Nurse, 1943, **110**: 339–42.—**Increased** interest in physiotherapy awakened by its use in war hospitals. Am. J. Electrother., 1918, **36**: 322.—**Increase** of interest of medical officials in the employment of electricity and other physical measures in the treatment of the wounded soldiers. Ibid., 297.—**Kahane, M.** Ueber die Anwendung der physikalischen Heilmethoden bei Kriegskrankheiten. Militärarzt, Wien, 1914, **48**: 545–7.—**Kefauver, H. J.** Physiotherapy and occupational therapy. Med. Bull. Veterans Admin., 1932, **9**: 95.—**Laquer, A.** Ueber die Anwendung der physikalischen Therapie bei verwundeten und erkrankten Kriegern. Zschr. phys. diät. Ther., 1915, **19**: 53–9.—**Leece, R. H.** Little used but highly effective physiotherapy. Med. Bull. Veterans Admin., 1937–38, **14**: 362–4.—**Lindenbaum, L. M., & Umanskaja, S. B.** Opyt primenenija fizioterapii iod-iontoforezom i lampoj Bakha pri lečenii osložnenij posle ognestrelnykh ranenij čeljustno-licevoj oblasti. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 216–20.—**McKenzie, R. T.** The treatment of convalescent soldiers by physical means. Proc. R. Soc. M., Lond., 1915–16, **9**: Surg. Sect., 31–70.—**Parfenov, A. P.** [Physiotherapy as method of prevention of neurosis in the army] Vrach. gaz., 1930, **34**: 43–6.—**Pemberton, R.** The rôle of physical therapy in the rehabilitation of disabled soldiers. Am. J. M. Sc., 1942, **204**: 846–56.—**Physical** therapy helps cure Russia's wounded. Pharm. Advance, 1942, **14**: No. 158, 25.—**Physical** (The) treatment of wounded. Guy's Hosp. Gaz., Lond., 1917, **21**: 144–8.—**Recognition** of physical treatment for the war wounded. Am. J. Electrother., 1918, **36**: 113.—**Riza Remzi** [War diseases treated by hydrotherapy, physical treatment of the wounded] Askerî sihhiye mecmuasi, 1933, **62**: 42–52.—**Rozanova, N. M.** [Role of physical culture in treatment of wounded] Sovet. med., 1943, **7**: No. 7, 27–9.—[**Therapeutic** exercises in after-care of war wounds] Geneesk. gids, 1940, **18**: 879.—**Tindall, W. J.** Fundamental principles of physical therapy. Mil. Surgeon, 1930, **67**: 575–81.

—— naval.

Drewyer, G. E. Physical rehabilitation and the department of physical medicine in a Naval Convalescent Hospital. Arch. Phys. Ther., 1944, **25**: 408, &c.—**Newman, L. B.** Organization, management and operation of a Navy physical therapy department. Ibid., 73–81.—**Rudd, J. L.** Physical therapy units and methods used by the Naval Medical Department (Philadelphia) Med. Rec., N. Y., 1945, **158**: 92; 155.—**Sheldon, L.**, jr. Naval medicine with special reference to physical therapy. Arch. Phys. Ther., 1944, **25**: 522–4.—**Waugh, R. L.** Physical medicine in a Marine hospital. Mil. Surgeon, 1948, **102**: 24–6.

—— Organization.

Ben Dure, M. L. Physical therapy in EUCOM. Med. Bull. Europ. Command, 1949, **6**: No. 8, 51.—**Brustein, S. A.** [Organization of physio-therapeutic aid to sick and wounded soldiers] Vest. Carskoselsk. Rajona, 1916, **2**: No. 2, 22–8.—**Coulter, J. S.** Physical therapy in the military service. J. Am. M. Ass., 1940, **115**: 864–6. ——— Physical therapy in the Army. Physiother. Rev., 1941, **21**: 190–3.—**Dear, R. H. B.** Physical medicine in Army hospitals. Arch. Phys. M., 1949, **30**: 720–6.—**Emergency** physical therapy unit. Physiother. Rev., 1945, **25**: 62.—**García Santandreu, F.** Los servicios de fisioterapia en la ciudad de Lisboas. Rev. san. mil., Madr., 1935, **25**: 357–63.—**Goldberg, N. G.** Organizaciia fizioterapevticheskoi pomoshchi v voenno-sanitarnykh poezdakh. Voen. med. J., Moskva, 1945, March, 37–9.—**Hellebrandt, F. A.** Analysis of the WAC emergency physical therapy training program. Arch. Phys. M., 1945, **26**: 502–14.—**Kuitert, J. H.** Physical therapy in relation to military medicine; its use in a general hospital. Texas Rep. Biol. M., 1947, **5**: 273–87.—**Mikrin, S.** [Organization of physiotherapeutic aid in Army medical centers] Voen. san. delo, 1936, No. 6, 51–4.—**Northrup, B. W., Makel, H. P., & Martin, S. J.** Organization of a physiotherapy section at an Army hospital. Mil. Surgeon, 1942, **91**: 90–3.—**Patterson, J. W. T.** Physical medicine in the Army; its effect on civil practice. Brit. J. Phys. M., 1945, 8: 158–63. Also Proc. R. Soc. M., Lond., 1945–46, **39**: 149.—**Physical** therapy in the Army. Phys. Ther. Rev., N. Y., 1950, **30**: 52.—**Primenenii** (O) lečebnoj fizkultury pri lečenii travm voennogo vremeni; prikaz po Narkomzdravu SSSR ot 3. VII 1941 g. No. 305. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 6.—**Rose, D. L.** The role of physical therapy and occupational therapy in the Army reconditioning program. Physiother. Rev., 1945, **25**: 107–9.—**Smitt, W.** Massage und Gymnastik im Dienste der Kriegsbeschädigtenfürsorge. In: Ausstell. Kriegsbeschäd. Fürs. Deutschland, Dresd., 1917, 17–20.—**Spitzy, H.** Arbeitstherapie und Invalidenschulen. In: Kriegsmechanotherapie (Frostell, G.) Berl., 1917, 157–70.—**Strickland, B. A.**, jr. Physical medicine in the Army. Arch. Phys. M., 1947, **28**: 229–36.—**Wilson, R.** Physical therapeutic measures in the Canadian Army Medical Corps. Am. J. Electrother., 1919, **37**: 279–87.

—— Phototherapy.

Riza Remzi [Phototherapy in practical medicine; indications for and against] Askerî sihhiye mecmuasi, 1933, **62**: 58–82.—**Sloiko, M. I., & Shabaltina, E. G.** [Rationalization in helio- and thermotherapy] Voen. san. delo, 1943, 78.

—— Progress.

Bainbridge, W. S. The forward march of physical medicine. Mil. Surgeon, 1943, **92**: 365–72.—**Krusen, F. H.** The future of physical medicine. Bull. U. S. Army M. Dep., 1946, **5**: 301–5. ——— The development of physical medicine as observed during the past two decades. Ibid., 1947, **7**: 563–70.—**Letunov, S. P.** [The further development of physical therapy] Voen. san. delo, 1943, No. 11, 24–9.—**Mead, S.** Present trends in research in physical medicine. Mil. Surgeon, 1948, **102**: 217–9.—**Resume** of recent important moves for the proper utilization of physiotherapy in treating war casualties. Brit. J. Phys. M., 1940, n. ser., **3**: 132–6.—**Scholz.** Ergebnisse und Fortschritte auf dem Gebiete der physiotherapie. Deut. mil. ärztl. Zschr., 1913, **42**: 417–27.—**Trends** in physical medicine caused by war. Arch. Phys. Ther., 1940, **21**: 689.

—— Veterans.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–164: Physical therapy in VA hospitals and centers, regional and VA offices. 6p. 27cm. Wash., 1948.

——— TB 10A–187: Instructions for preparation of Monthly Report of Physical Medicine Rehabilitation Service, VA Form 10–7391. 5p. 26½cm. Wash., 1949.

Antoine, H. E. S. Physiotherapy. U. S. Veterans Bur. M. Bull., 1926, **2**: 1153–8.—**Baker, A.** Physical therapy in the Veterans Administration program. Physiother. Rev., 1944, **24**: 191–3.—**Brooke, C. R.** Physical measures in the treatment of veterans. Arch. Phys. Ther., 1942, **23**: 353–6. ——— The practice of physical therapy in hospitals of the Veterans' Administration. Med. Bull. Veterans Admin., 1942–43, **19**: 307–11.—**Dawson, A. R.** Physical medicine in the Veterans Administration. Arch. Phys. M., 1948, **29**: 491–5. ——— & **Knudson, A. B. C.** The importance of physical medicine rehabilitation as demonstrated by the experience of the Veterans Administration. South. M. J., 1948, **41**: 455–60.—**Fowlks, E. W.** Physical medicine in a general facility. Arch. Phys. Ther., 1944, **25**: 734, &c.—**Griffith, C. M.** Physical therapy in the Veterans Administration. Ibid., 265–7.—**Grossman, M.** Coordinating occupational therapy and physical medicine in the Veterans Administration hospitals. Occup. Ther. Rehabil., 1946, **25**: 118–22.—**Knudson, A. B. C.** Dynamic aspects of physical medicine in the Veterans Administration. Arch. Phys. M., 1948, **29**: 29–36.—**Mitchell, H. C.** Physical medicine in the rehabilitation of the veteran of the World War II. Ibid.,

1945, 26: 227–32.—**Physical** therapy in the Veterans Administration. Physiother. Rev., 1946, 26: 248–50.—**Samberg, H. H.** Some aspects of physical medicine at the Veterans Administration Center, Des Moines, Iowa. J. Iowa M. Soc., 1948, 38: 219.

—— in wartime.

Beaumont, W. Physical therapy in wartime Britain. Arch. phys. Ther., 1941, 22: 591–4.—**Gunzburg, I.** La physiothérapie de guerre. Bruxelles méd., 1939–40, 20: 696–700. ——— Physical medicine in industry and war. Brit. J. Phys. M., 1940, n. ser., 3: 168–71.—**Gutman, J.** The role of physical therapy during and after the war. Med. Rec., N. Y., 1944, 157: 100–2.—**Hansson, K. G.** Physical therapy in war times. Arch. Phys. Ther., 1943, 24: 581–5. Also N. England J. M., 1944, 231: 619.—**Has** the War preparedness committee forgotten physical therapy? Arch. Phys. Ther., 1940, 21: 425–7.—**Hindley-Smith, J. D.** Remedial treatment in war time and after. Brit. J. Phys. M., 1940, n. ser., 3: 2–5.—**Kovács, R.** Physical therapy in war; a primer on indications and technic. Arch. Phys. Ther., 1943, 24: 197–210.—**Lowman, C. L.** Physical therapy in the next war. Mil. Surgeon, 1938, 83: 63–70.—**Phillips, K., & Phillips, A. M.** The role of physical medicine in national defense and during active warfare. J. Florida M. Ass., 1942–43, 29: 266–70.—**Piatigorsky, I. V.** [The rôle of physiotherapy in war traumatology] Khirurgia, Moskva, 1944, No. 4, 42–7.—**Smart, M.** Physical medicine in war time. Brit. J. Phys. M., 1940, n. ser., 3: 42.—**Syracuse, J. A. E.** The role of physical medicine in treatment of war casualties. N. York State J. M., 1944, 44: 500.—**Trial, R. L.** Le bilan d'un an de physiothérapie de guerre; données statistiques et résultats thérapeutiques. Bull. Serv. san., Par., 1944, 2: 164–97.—**Troup, W. A.** Physical medicine and the war. Brit. J. Phys. M., 1941, 4: 166.—**War** preparations for physical therapeutics. Am. J. Electrother., 1918, 36: 80.—**Wilbur, R. L.** Physical medicine and the war. Norfolk M. News, 1944, 4: No. 6, 1.

PHYSICAL therapy aide.

See also **Physical therapist.**

Attractions for a physical therapy aide in the Army. Physiother. Rev., 1943, 23: 157–60.—**Female** physical therapy aides in Medical Department of Army. Arch. Phys. Ther., 1943, 24: 409.—**Need** (The) for physical therapy aides in the war effort. Ibid., 1942, 23: 680–4.

PHYSICAL training.

See also **Health education; Kinesiology; National defense,** Educational problems; **Physical therapy; Sport; Training.**

Address by Hon. Newton D. Baker, Secretary of War. Am. Phys. Educ. Rev., 1920, 25: 106–11.—**Alfurno.** Sulla ginnastica. Gior. med. mil., 1851–52, 1: 50.—**Bell, K. D.** Physical training and the medical profession. J. R. Army M. Corps, 1909, 12: 639–54.—**Beyer, H. G.** Military physical training. Proc. Ass. Mil. Surgeons U. S. 1897, 265–310.—**Borghelli, S. T.** El Ejército y la educación física. Rev. mil., B. Air., 1944, 44: pt 2, 627–33.—**Brownell, C. L.** We learned about fitness from them. J. Health Phys. Educ., 1944, 15: 182–4.—**Bunkin, N.** Fizićeskaja podgotovka. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 739–52.—**Covaciu-Ulmeanu, F.** Educaţia fizică şi medicina. Rev. san. mil., Bucur., 1934, 33: 489–91.—**García Vargas, G.** Compendio de cultura física. Rev. mil., La Paz, 1948, No. 127, 71–4.—**Govaerts, A.** Recherches sur l'entraînement musculaire chez l'homme. Arch. belg. Serv. san. armée, 1938, 91: 281–9.—**Hill, H. B.** Physical training and its progress, past and future. J. R. Nav. M. Serv., 1926, 12: 113–20.—**Howitt, F. D.** The correlation of medical science and physical education. J. R. Army M. Corps, 1945, 84: 85.—**Klouček, J.** Tělovýchovné lékařství. Voj. zdrav. listy, 1948, 17: 157.—**Martínez Zuviría, E.** El conscripto debil constitucional no debe ser eliminado sino robustecido. Rev. san. mil., B. Air., 1921, 20: 543–66.—**Monteiro, O.** A educação fisica sob a dependencia das increções. Rev. med. mil., Rio, 1936, 25: 157–71.—**Olguín, V. V.** Capacidad vital y educación física. Rev. san. mil., B. Air., 1941, 40: 495–507.—**Schuschny, H.** A testi nevelés és a katonai gyakorlatok. Közegészs. és törv. orvostud. szemle, 1906, 10.—**Swift, I. P.** La preparación física y moral del combatiente. Rev. mil. Peru, 1943, 40: pt 3, 13–23.

—— Evaluation.

See also **Rehabilitation.**

Behnke, A. R., Pace, N., & Nuzie, S. The step-up test as a measure of the progress of physical conditioning. 8p. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–134, U. S. Nav. M. Res. Inst.

Elbel, E. R. Effect of various physical training programs upon the physical fitness of AAF personnel; influence of selection of physical training activities upon physical fitness of personnel in the Central Flying Training Command. 4p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 307, U. S. Air. Force School Aviat. M.

Karpovich, P. V. The effect of forward and reverse grips on chinning at various performance levels. 5 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 189, U. S. Air Force School Aviat. M.

Weiss, R. A., & Kemp, A. Effect of various physical training programs upon the physical fitness of AAF personnel; influence of selection of physical training activities upon physical fitness of personnel in the Air Technical Service Command. 7p. 27cm. Randolph Field, 1945.

Forms Rep. No. 3, Proj. No. 307, U. S. Air Force School Aviat. M.

Alves de Sousa, A. A educação física na preparação do soldado. Bol. Dir. serv. saúde mil., 1943, 5: 85–108.—**Bellot, R.** L'examen physiologique dans les corps de troupe; l'entraînement physique; sa surveillance pratique. Arch. méd. pharm. mil., 1933, 99: 131–67.—**Bunkin, N.** Povysit uroven raboty medicinskoj služby v oblasti fizićeskoj podgotovki. Voen. med. J., Moskva, 1947, No. 7, 3–9.—**Cantan, H. T.** Physical training and its advantages. J. R. Unit. Serv. Inst., 1907, 51: 949–83, pl.—**Chaidron.** Quelques remarques au sujet de l'état de santé des élèves de l'Ecole d'éducation physique. Arch. Serv. san. Armée belge, 1946, 99: 21–4.—**Czubalski, F.** [Principles of physical education and sports from the physiological view-point] Lek. wojsk., 1935, 25: 1–15.—**Davis, J. E.** What can physical education contribute to mental hygiene? Ment. Hyg., Alb., 1933, 17: 235–45.—**Douglas, L. N.** Some results of an AST program in physical education. J. Health Phys. Educ., 1944, 15: 254, &c.—**Hanson, H.** Some physiological effects of exercise and training. Hosp. Corps Q., 1943, 16: No. 3, 47–51.—**Kennedy, T. F.** Report on an investigation of energy expended on the exercises of the physical training tables for recruits of all arms. J. R. Army M. Corps, 1933, 61: 1; passim.—**Lamb, A. S.** Man power. J. Health Phys. Educ., 1941, 12: 291.—**Larson, L. A.** Some findings resulting from the Army Air Forces physical training program. Res. Q. Am. Ass. Health, 1946, 17: 144–64, ch.—**Medical** recategorisation in physical development centres. Month. Bull. Health Statist. (Gr. Britain War Off.) 1944–45, No. 10, 41.—**Missiuro, W.** [Physiological criteria as directives in physical culture] Lek. wojsk., 1939, 34: 37–44.—**Mydlarski, J.** [Effect of physical exercises on the development of the body] Ibid., 1935, 25: 192–214.—**Schneider, D. M.** The social dynamics of physical disability in Army basic training. Psychiatry, 1947, 10: 323–33.—**Trèves.** Sélection des jeunes soldats et résultats obtenus en rééducation physique. Bull. Soc. méd. mil. fr., 1923, 17: 126–31.

—— Health hazards.

Bastard, J. A. L. Contrôle médical de l'éducation physique. Rev. Corps san. mil., Par., 1947, 3: 437–70.—**Colas, J.** L'entraînement physique militaire et son contrôle médical dans un camp léger d'instruction. Presse méd., 1948, 56: 634.—**Mair, G. B.** Frequency of micturition and albuminuria in service patients. Lancet, Lond., 1943, 1: 427.—**Pissemsky, P.** [Traumatism in the Red Army in relation to physical culture] Voen. san. delo, 1931, No. 2, 21–7.—**Woods, R. S.** Two rare sequelae of organized exercise in the Army. J. R. Army M. Corps, 1945, 84: 274.

—— Instruction.

United States. Air Force. Non-Commissioned Officers Physical Training Instructors School. Class 43–7 [Class book] 60p. 28cm. Miami, 1943.

Aranaz, J. L. La Escuela central de educación física. Ejército, 1942, No. 30, 3–6.—**Cobb, L. S., & Landreth, V. S.** War emergency teacher certification in physical education in the United States. Res. Q. Am. Ass. Health, 1943, 14: 342–55.—**Du Coteau, M. B.** The physical education of the fighting man; method in use in the National Military School of St. Cyr, France. Am. Phys. Educ. Rev., 1917, 22: 521; 1918, 23: 1; &c.—**Giovaneli, J. A.** La instrucción física en Francia. Rev. mil., B. Air., 1941, 41: pt 2, 275–84.—**Martins Rocha, J.** Educação fisica militar; modelo de lição de educação fisica, 40 minutos, turma de 26 soldados selecionados. Educ. fis., Rio, 1941, No. 60, 56.

—— Manual.

Butts, E. L. Manual of physical drill; United States Army. 175p. 19½cm. N. Y., 1900.

California. Department of Education. Women's Advisory Committee on Physical Education. Physical education; a wartime and

peacetime program for girls; a report of the Women's Advisory Committee appointed in August, 1942, submitted December 10, 1942. 241p. 23cm. Stanford Univ., 1943.

D'Eliscu, F. How to prepare for military fitness. 216p. 19½cm. N. Y., 1943.

Great Britain. Air Ministry. W. A. A. F. physical training tables and recreational handbook. 70p. 15½cm. Lond., 1941.

Great Britain. War Office. Manual of physical training. 194p. 8° Lond., 1931.

—— Physical and recreational training. 74p. 18cm. Lond., 1940.

México. Ministerio de la guerra y marina. Decreto e instrucción para la enseñanza de la gimnástica en los cuerpos del Ejército y Guardia nacional. 104p. 28½cm. Méx., 1850.

New York. Military Training Commission. Manual of physical training. Pt 1–4 [37]p. fol. Albany, 1918 [?]

New York. Military Training Commission. Bureau of Physical Training [Publications] Issue A–C, E–M. 12v. in 1. 23cm. Albany, 1918–20.

United States. Army Air Forces. Air forces manual, No. 26: Introducing Joe Flight Gremlin. 26p. 15cm. N. Y., 1944.

United States. Education Office. Committee on Wartime Physical Education for High School. Victory corps series, Pamphlet No. 2: Physical fitness through physical education for the victory corps. 102p. 25½cm. Wash. 1942.

United States. War Department. Basic field manual FM 21–20: Physical training. 211p. 19cm. Wash., 1941. Also Rev. ed. 392p. 23cm. Wash., 1946.

—— Field manual FM 35–20: W. A. C. field manual; physical training. 131p. 23cm. Wash., 1943.

Kennedy, T. F. The evolution of the new physical training tables. J. R. Army M. Corps, 1931, **56**: 281–3.

—— naval.

Great Britain. Admiralty. Handbook of physical and recreational training, for the use of the Royal Navy, 1923. v.**1**: Physical training. 485p. 24½cm. Lond., 1940.

United States. Naval Academy. Department of Physical Training. Physical training manual. 312p. 23½cm. Annapolis, 1942.

United States. Navy. Bureau of Medicine and Surgery & Bureau of Naval Personnel. Handbook of physical training for use in rehabilitation program of the Medical Department, U. S. Navy. 145p. 26cm. Wash., 1946.

Burnett, R. L. Physical training in the Royal Navy. J. R. Nav. M. Serv., 1935, **21**: 8–16.—**Hesnard, A.** L'état actuel de l'éducation physique au point de vue médical avec application à la marine. Arch. méd. pharm. nav., 1921, **111**: 387–417.—**Medina, D. S.** Manual de educação física para a marinha dos Estados Unidos. Arq. brasil. med. nav., 1946, **7**: 985–91.—**Murphy, J. A.** Physical training in the United States Naval Service. Tr. Internat. Congr. Hyg. Demog. (1912) 1913, 15. Congr., **2**: 659–67. Also U. S. Nav. M. Bull., 1913, **7**: 20–8. ——— The new method of physical training in the United States Navy. Ibid., 1914, **8**: 368–80, 5 pl.—**Scărlătescu, M.** Proect-program de educaţie fizică, ce ar putea contribui la întărirea organismului şi prin aceasta mărind şi întretinând capacitatea de aptitudine la sbor a personalului navigant. Rev. san. mil., Bucur., 1937, **36**: 853–6.—**Serra, S.** L'educazione fisica nella Regia Marina. Ann. med. nav., Roma, 1925, **1**: 314–28.—**Taylor, E. B.** Physical development of midshipmen. Nation's Health, Chic., 1921, **3**: 527–32. Also U. S. Nav. M. Bull., 1922, **16**: 239–50, 2 pl.—**Tunney, J. J.** The physical fitness program of the U. S. Navy. J. Health Phys. Educ., 1942, **13**: 571–3.

—— Organization.

Army specialized training program; general information on professional and preprofessional training of veterinary and other medical students and procedures for selection of personnel. J. Am. Vet. M. Ass., 1943, **102**: 498–500.—**Bank, T. P.** The Army physical conditioning program. J. Health Phys. Educ., 1943, **14**: 195–7.—**Boniface, J. J.** Physical training for officers. J. Mil. Serv. Inst. U. S., 1909, **45**: 201–5.—**Clark, J. T.** Free physical training for rejected recruits. Phys. Training, 1917–18, **15**: 18–20.—**Farrand, R. F.** Training at St John's Military Academy. Nation's Health, Chic., 1921, **3**: 372–4.—**Fisher, G. J.** Physical training in the Army. Phys. Training, 1917–18, **15**: 98–105.—**Howitt, F., & Wesson, A.** Army physical development centre. Lancet, Lond., 1942, **1**: 373–6.—**Improving** physical education in schools and colleges; a report by representatives of the military services. J. Health Phys. Educ., 1944, **15**: 371, &c.—**Kent, W.** How the Army is making a new man of me. Phys. Cult., N. Y., 1941, **85**: No. 5, 10–3, &c.—**Kiphuth, R. J. H.** Yale builds bodies; comprehensive program prepares students for combat. Yale Sc. Mag., 1942–43, **17**: No. 5, 10–2.—**Leibesübungen** (Die) in einer Kompanie. Mil. Wbl., Berl., 1938–39, **123**: 25.—**Leibesübungen** (Die) in der Wehrmacht. Ibid., 1935–36, **120**: 1902.—**McCord, C. P.** Statewide physical training. Am. Phys. Educ. Rev., 1917, **22**: 1–6.—**Murphy, T. W., & Wickens, J. S.** Yale University completes one year of its wartime physical training program. Res. Q. Am. Ass. Health, 1943, **14**: 333–40.—**Niles, D. I.** Physical fitness and the Women's Army Corps. J. Health Phys. Educ., 1943, **14**: 408–11.—**O'Neil, W.** Buildup for 1–B's. Hygeia, Chic., 1943, **21**: 188.—**Physical** development centers. J. R. Army M. Corps, 1943, **81**: 183–5.—**Physical** training in the Women's Army Corps. Hygeia, Chic., 1943, **21**: 782–7.—**Rarick, L.** College and university physical education programs after one year of war. Res. Q. Am. Ass. Health, 1943, **14**: 167–74.—**Ross, A. R.** Physical training in the Army. J. R. Inst. Pub. Health, 1939, **2**: 230–7.—**Stansbury, E. B.** The physical fitness program of the Army Air Forces. J. Health Phys. Educ., 1943, **14**: 463–5.—**Turnbull, J. E.** The physical training program of the W. A. V. E. S. Ibid., 470–2.—**You're** in the Army now! Phys. Cult., N. Y., 1941, **85**: No. 4, 14.

—— Veterans.

Bucher, C. A. The organization of a veterans' physical education program. Res. Q. Am. Ass. Health, 1947, **18**: 62–7.—**Phillips, B. E.** The Veterans Administration athletic program. J. Health Phys. Educ., 1947, **18**: 368; 421.

—— by countries.

Olivier, M. *Organisation et contrôle médical de l'éducation physique dans quelques armées européennes pendant la préparation militaire et le service actif. 260p. 8° Lyon, 1934.

Strauch, C. Körperschule in der deutschen Wehrmacht. 111p. 8° Berl., 1935.

Baird, J. A. Some medical aspects of physical training in Brazil. Mil. Surgeon, 1941, **89**: 94–7.—**Basov, A. V.** Fizičeskaja podgotovka v Sovetskoj Armii. Teor. prakt. fiz. kult., Moskva, 1947, **10**: 51–7.—**Bellet, M., & Enver, B.** [Physiological examination, supervision and physical training of the soldiers] Askerî sıhhiye mecmuası, 1933, **62**: 123–43.—**Bunkin, N., & Gorinevsky, V.** Gimnastika v Krasnoj Armii. In: Bolsh. med. encikl., 1929, **7**: 26.—**Cioch, R.** [Physical education of the aviation personnel in aviation regiments] Lek. wojsk., 1935, **26**: 720–5.—**Cotton, F. W.** Physical training in the Army. J. R. Army M. Corps, 1921, **36**: 399.—**Gelderen, S. van.** [Physical training in our camps; could it be improved?] Mil. spectator, Gravenh., 1937, **106**: 190.—**Nágera, J. M.** La gimnasia militar actual. Rev. san. mil. argent., 1948, **47**: 108–10.—**Read, C. E.** Rotarians aid Canada's war effort; organize Ontario youth into fitness battalions. Health, Toronto, 1941, **9**: 16.—**Ryncki.** Nos Alpins et leur contrôle biologique. Vjschr. schweiz. Sanitätsoff., 1945, **22**: 49–54.—**Smodlaka, V.** Promena visine fiskulturnika u toku dana. Voj. san. pregl., Beogr., 1948, **5**: 41–3.

—— by countries: Belgium.

De Marneffe, A. L'éducation physique et l'armée. Dioscorides, Brux., 1937–38, 99–104.—**Evrard.** L'éducation physique à l'aviation. Arch. belg. Serv. san. armée, 1939, **92**: 21–45.—**Macar, J.** Rapport médical sur l'entraînement sportif d'une compagnie de fusilliers. Arch. Serv. san. Armée belge, 1945, No. 11, 23–7.

—— by countries: France.

Arnould, E. A propos d'un projet de loi sur l'education physique et la préparation militaire. Rev. hyg., Par., 1922, **44**: 699–709.—**Castaing, H.** L'éducation physique dans l'armée. Bull. Soc. méd. mil. fr., 1920, **14**: 103–9.—**Champtassin, P., Boigey, & Bourguignon, R.** Méthodes de gymnastiques utilisables dans l'armée. Ibid., 1911, **5**: 441; 1912, **6**: 134; 159; 227.—**Cheyrou-Lagreze.** La culture physique chez les militaires de carrière. Marseille méd., 1932, **69**: 369–76.—**Dano, L.** L'éducation physique dans les troupes indigènes. Presse méd., 1922, **30**: Annexe, 1043.—**Emerson, K.** The work of the physical directors with the Armies in France. Phys. Training, 1917–18, **15**: 452–5.—**Epaulard.** Education physique dans l'armée. Bull. Soc. méd. mil. fr., 1911, **5**: 602–8.—**Monteux.** La rééducation physique du soldat indigène en Algérie. Arch. méd.

pharm. mil., 1922, 77: 331.—**Tissié, P.** L'éducation physique dans l'armée. Rev. sc., Par., 1902, 4. ser., 18: 321; 363.—**Vallery-Radot, P.** Le Camp léger de Frileuse. Presse méd., 1948, 56: 570–2.

—— in wartime.

See also **Preparedness.**

Arthur, W. H. Physical education for young men in wartime. J. Phys. Educ., N. Y., 1942–43, 40: 86.—**Building** physical fitness in war. J. Am. Osteopath. Ass., 1941–42, 41: 233.—**Fisher, G. J.** The influence of the war upon physical training in the Young Men's Christian Association. Phys. Training, 1917–18, 340–3.—**Friermood, H. T.** Wartime physical education in the Y. M. C. A. J. Health Phys. Educ., 1944, 15: 185; 231.—**Moulton, G. E.** Physical education in the war and in the peace. Ibid., 1943, 14: 74.—**Russell, L.** Wartime influences on YMCA physical education. J. Phys. Educ., N. Y., 1942–43, 40: 44.—**Schuck, F.** The physical education for girls for the war effort. J. Health Phys. Educ., 1943, 14: 301.—**Surgeon-General** Parran's health campaign. Good Health, 1941, 76: 115.—**War-time** curtailment of physical training. Med. Off., Lond., 1941, 66: 152.

PHYSICIAN.

See also **Emergency medical service; Manpower, medical; Practice.**

Recent tributes to physicians. J. Am. M. Ass., 1942, 120: 699.

—— Allocation.

Allocation of physicians. J. M. Soc. N. Jersey, 1942, 39: 631–3.—**Medical** man-power; allocation between civilian and military services. Brit. M. J., 1941, 1: Suppl., 43. Also Pub. Health, Lond., 1940–41, 54: 146.—**Munger, C. W.** Allocating doctors in war time. Mod. Hosp., 1942, 59: 49.

—— Attitude toward war.

Beach, W. M. Spirit of the physician in war and peace. J. Am. M. Ass., 1919, 73: 237.—**Blome, K.** Ueber Arzttum in Krieg und Frieden. Deut. Aerztebl., 1943, 73: 158.—**Boberg, M.** Der Arzt under zivilen und militärischen Verhältnissen. Upsala läk. fören. förh., 1938–39, 44: H. 5, bil., 11.—**Bonnet-Roy, F.** Médecins soviétiques à la guerre. Bull. méd., Par., 1947, 61: 171.—**Burn-Murdoch, T. M.** The relation of the medical profession to war. Brit. M. J., 1906, 1: 472.—**Cheever, D.** An American doctor on the war. Canad. M. Ass. J., 1941, 45: 563.—**Devèze, A.** Les médecins devant la guerre. Bruxelles méd., 1938–39, 19: No. spéc., 31–7, portr.—**Doctor's** (The) view of war. J. Am. M. Ass., 1938, 111: 1310.—**Doctors** and war. West Virginia M. J., 1942, 38: 37.—**Hobson, J. J.** Modern warfare and the doctor. Memphis M. J., 1943, 18: 161.—**Is** the medical profession overmilitarized? North Carolina M. J., 1942, 3: 605.—**Lockhart, L. P.** The doctor and the next war. Brit. M. J., 1929, 1: 73.—**Lull, G. F., McIntire, R. T., & Parran, T.** Medicine and the war. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1943, 39. Congr., 15–21.—**Medical** (The) profession and peace. Lancet, Lond., 1937, 2: 1037.—**Noel.** Médecins civils et médecins militaires. Bull. méd., Par., 1906, 20: 56.—**Rankin, F. W.** Medicine looks at war. South. M. J., 1943, 36: 101–4.—**Roberts, H.** The war and the doctor. Britain Today, Lond., 1941, No. 63, 12–6.—**Training** for war and for peace. Lancet, Lond., 1940, 2: 77.—**Trend** of opinion in medical societies. Med. Care, 1943, 3: 64–70.—**Zuckermann, C.** El médico y la guerra. Rev. mex. cirug., 1942, 10: 39.

—— Civilian affairs.

Assessments waived for members in military service. J. Arkansas M. Soc., 1940–41, 37: 199.—**Bickerich, W.** Steuerermässigungsanträge bei Einberufung zur Wehrmacht. Med. Welt, 1939, 13: 1321.—**Donaldson, W. F.** Remitting county and state society dues of members absent in military service. Pennsylvania M. J., 1940–41, 44: 501.—**Downer, E. C.** The medical officer of health and family allowances. Pub. Health, Lond., 1939–40, 53: 202–4.—**Dues** (1941) waived for members inducted into military service. Bull. Chicago M. Soc., 1940–41, 43: 539.—**Kitchen** front. Med. Press & Circ., Lond., 1943, 209: 49.—**Life** insurance and the physician in service. Wisconsin M. J., 1942, 41: 917–20; 1945, 44: 126–9.—**O'Sheel, P.** If you're joining the colors. Med. Econom., 1941–42, 19: No. 7, 53; 84.—**Pearce, J. C.** Insurance practice and a war bonus. Brit. M. J., 1942, 1: Suppl., 10.—**Peart, H. F.** Concerning leases of physicians entering military service. California West. M., 1942, 57: 338.—**Relief** from war indebtedness. Lancet, Lond., 1942, 1: 269.

—— Civilian medical care.

See also other subheadings (Allocation; Distribution; Relocation, etc.)

United States. Office of War Information. OWI report No. 2: The doctor shortage and medical care of civilians in wartime. 46p. 13½cm. Wash., 1943.

Adson, A. W. The physician and medical care. J. Missouri M. Ass., 1943, 40: 336.—**Barker, C.** Physicians for civilians. J. Am. M. Ass., 1942, 120: 1230. Also Med. Soc. Rep., Scranton, 1943, 37: No. 1, 12–4.—**Benedict, A. L.** War depletion of the American medical profession. N. York M. J., 1917, 106: 690–2.—**Ciocco, A., & Altman, I.** Statistics on the patient load of physicians in private practice. J. Am. M. Ass., 1943, 121: 506–13. ——— The patient load of physicians in private practice; a comparative statistical study of 3 areas. Pub. Health Rep., Wash., 1943, 58: 1329–54.—**Conservation** of local medical care. Wisconsin M. J., 1943, 42: 330.—**Diehl, H. S.** The doctor's service at home, in industry and at war. In: Doctors at War (Fishbein, M.) N. Y., 1945, 59–89.—**Elliott, J.** Doctors: black coats or uniforms? Guy's Hosp. Gaz., Lond., 1942, 56: 215.—**Falk, L.** Home front jobs for doctors. Interne, N. Y., 1943, 9: 227.—**Frame, T. W.** Statistics on the patient load of physicians in private practice. J. Am. M. Ass., 1943, 121: 1109.—**Gilliland, O. S.** Doctors on the home front. Kansas City M. J., 1943, 19: No. 3, 9.—**Hauss, A. P.** An 8-point plan of boot training for the home guard of American medicine. J. Indiana M. Ass., 1944, 37: 624–6.—**McCormick, E. J.** Adjustment of the physician to civilian needs in wartime. Ohio M. J., 1943, 39: 459–63.—**Medical** care in war times. Nassau M. News, 1942, 16: No. 3, 2.—**Medical** officers needed for Federal civilian war service. J. Iowa M. Soc., 1943, 33: 399.—**No** breakdown in medicine. Bull. San Diego Co. M. Soc., 1943, 29: 183–5.—**Pickens, M. I.** The effects of the war on medical service in 12 South Carolina counties with limited medical personnel. J. S. Carolina M. Ass., 1942, 38: 245.—**Watson, E. R.** The physician on active duty at home. J. M. Ass. Georgia, 1942, 31: 372.—**Wilbur, R. Y.** Medical care of the civilian population during war. Fed. Bull., Chic., 1942, 28: 339–44.

—— Classification.

A. M. A. questionnaires. North Carolina M. J., 1940, 1: 558.—**Assistance** of the American Medical Association in classification and procurement of physicians for military service. J. Am. M. Ass., 1941, 116: 709.—**Criteria** for determination of essentiality of public health physicians. Health News, Albany, 1942, 19: 161.—**Defense** (The) status. N. Orleans M. & S. J., 1941–42, 94: 394.—**Important** announcement. J. Am. M. Ass., 1940, 115: 1366.—**Newcomb, J. R.** One in one hundred and twelve. J. Indiana M. Ass., 1943, 36: 159–61.—**Questionnaires** returned. J. Am. M. Ass., 1940, 115: 539.—**Reappraisal** of Ohio physicians to classify those deemed available for military service is begun; rulings on interns, residents and students are issued. Ohio M. J., 1943, 39: 160–3.—**What** constitutes essentiality? the criteria employed in determining whether or not a physician can be spared from civilian life for military service. Med. Econom., 1941–42, 19: No. 9, 33–6.

—— Defense role.

See also **Preparedness,** medical.

Barradas, A. O médico a guerra actual. Portugal méd., 1919, 5: 234–8.—**Beasley, B. T.** The doctor and the national emergency. South. Surgeon, 1942, 11: 142.—**Bier, R. A.** The physician in national defense. Rocky Mountain M. J., 1941, 38: 961–8. Also J. Michigan M. Soc., 1942, 41: 43–8.—**Bloodgood, J. C.** The duty of the medical man in the present crisis. South. Clin., Richmond, 1917, 40: 304–7.—**Bowyer, C. B.** Physicians, wake up. Virginia M. Month., 1944, 71: 557–61.—**Caudill, W. C.** Our duty as physicians in the present emergency, from a patriotic standpoint. Ibid., 1943, 70: 78–80.—**Coburn, H. C.,** jr. The responsibilities of the civilian physician in the present war emergency. North Carolina M. J., 1942, 3: 270–5.—**Cohen, S. A.** The recent medical graduate and national defense. Diplomate, 1942, 14: 59–63.—**Cutter, W. D.** Status of the interns and residents in the National Defense Program. Tr. Am. Hosp. Ass., 1941, 43: 460–3 (Abstr.) Also Hospitals, 1942, 16: 13–7.—**Denny, R. B.** The medical profession in wartime. J. Missouri M. Ass., 1942, 39: 159–61.—**Doctor** (The) and patriotism. J. Tennessee M. Ass., 1942, 35: 69.—**Doctor** (The) and the war. West Virginia M. J., 1942, 38: 81–3.—**Doctors** for defense; a discussion of the New York State Medical Society's radio programs. Westchester M. Bull., 1941, 9: 9.—**Gregory, J. R.** The medical profession and the war. East Afr. M. J., 1940–41, 17: 2–13.—**Griffith, F. W.** President's address; the doctor and the emergency. North Carolina M. J., 1942, 3: 265–70.—**Hargrove, M. D.** Doctors and the war. Tristate M. J., 1942, 14: 2685.—**Ivanissevich, O.** Los cirujanos y los médicos en la guerra. Bol. Inst. clín. quir., B. Air., 1943, 19: 558.—**Jackson, F. W.** What more can we do? presidential address. Proc. Conf. Health Author. N. America, 1942, 57. meet., 164–9.—**Kopetzky, S. J.** The role of the doctor in the defense program. Milwaukee M. Times, 1941, 14: No. 9, 25–8. Also N. York State J. M., 1941, 41: 1487–91.—**Love. A. G.** The physicians in the national defense. J. Tennessee M. Ass., 1941, 34: 178–83.—**McNutt, P. V.** The urgent need for doctors. J. Am. M. Ass., 1942, 119: 605–7.—**Medical** (The) profession in an emergency. Brit. M. J., 1939, 1: Suppl., 277.—**Medical** (The) profession and war service. S. Afr. M. J., 1940, 14: 311.—**Naples, J. D.** The part of the civilian physician in the defense program. N. York State J. M.,

1941, 41: 1163.—**Phalen, J. M.** The profession's war responsibility. J. Laborat. Clin. M., 1942–43, 28: 381.—**Rankin, F. W.** The responsibilities of medicine in wartime. Science, 1942, 95: 611–4. ——— A watchful gaze on the horizon. Med. Ann. District of Columbia, 1943, 12: 249–52.—**Recommendations** to all physicians with reference to the national emergency. Delaware M. J., 1942, 14: 1. Also Week. Roster, Phila., 1941–42, 37: 722–5. Also Wisconsin M. J., 1942, 41: 129–31.—**Roberts, H.** The war and the doctor. Pittsburgh M. Bull., 1942, 31: 290.—**Rogers, E. S.** The relationship between the medical profession and government. Westchester M. Bull., 1944, 12: No. 2, 9.—**Rowntree, L. G.** The medical needs of the war and the Selective Service system. J. Am. M. Ass., 1942, 120: 1226–30. ——— How can the medical profession augment national efficiency during war time? South. Surgeon, 1942, 11: 245–53.—**Sarfatty, I. J.** The doctor in national defense. Milwaukee M. Times, 1940, 13: No. 10, 15.—**Sharp, J. F.** The physician's place in national defense. Rocky Mountain M. J., 1941, 38: 860–2.—**Sheppe, W. M.** The rôle of the civilian physician in the program for national defense. W. Virginia M. J., 1935, 31: 367–71.—**Skinner, G. A.** The great importance of the medical profession in the scheme of national defense. J. Iowa M. Soc., 1933, 23: 1–6.—**Straight** thinking. N. York State J. M., 1942, 42: 312.—**Straub, E. F.** Rational contribution to national defense by the medical profession. J. Indiana M. Ass., 1940, 33: 441.—**Towne, G. S.** The doctor's role in the defense program. Yearb. N. York N. England Ass. Railw. Surg., 1941, 51: 7–11.—**Trice, E. T.** The physicians' responsibility in local and national defense. Virginia M. Month., 1942, 69: 137.—**Vaughan, V. C.** Responsibilities of the medical profession in this war. Oral Hyg., Pittsb., 1918, 8: 255–61.—**Wark, D. L.** Medical defense in action. Med. Econom., 1941–42, 19: No. 4, 48; 108.—**War** medicine and the medical profession. Texas J. M., 1941–42, 37: 639–41.—**War** (The) obligation of the individual doctor. Ibid., 1942–43, 38: 2–4.

—— Deferment.

See also **Selective service,** Deferment.

Deferred military service. Brit. M. J., 1941, 2: Suppl., 39.—**Doctors** and postponement of service. Ibid., 1940, 1: 1000.—**Hershey, L. B.** Occupational deferments of physicians, dentists and doctors of veterinary medicine. J. Am. M. Ass., 1942, 118: 462; 119: 268. Also N. York J. Dent., 1942, 12: 113. Also N. York State J. M., 1942, 42: 371.—**Ruddock, J. C.** You are available. Bull. Los Angeles Co. M. Ass., 1943, 73: 250.—**Selective** Service deferment of physicians, medical students and premedical students. J. M. Ass. Alabama, 1942–43, 12: 238.

—— Distribution in wartime.

See also **National defense,** Defense area: Hygiene, medical care and sanitation.

Barker, C. A study of distribution of physicians in Connecticut in wartime. Connecticut M. J., 1945, 9: 190–3.—**Brown & Lyle, L.** Distribution of medical man-power. Brit. M. J., 1941, 1: 423.—**Lapham, M. E.** Distribution of doctors in war-time. Med. Care, 1943, 3: 36.—**Perrott, G. St. J., & Davis, B. M.** War's effect on physician distribution for period to 1950. Hospitals, 1943, 17: No. 12, 71–74. ——— The war and the distribution of physicians. Pub. Health Rep., Wash., 1943, 58: 1545–54.—**Some** statistics related to military medicine. California West M., 1942, 57: 285.

—— female.

See also **Medical officer,** female; **Woman.**

Medical care of Auxiliary Territorial Service. Brit. M. J., 1941, 1: 575.—**Mosher, E. M.** War work of American medical women. J. Florida M. Ass., 1917, 4: 159–61. Also Maryland M. J., 1917, 60: 289–93. Also Atlanta J. Rec. Med., 1917–18, 64: 221–7. Also Charlotte M. J., 1918, 77: 57–9.—**Spencer, R. R.** Opportunities for women in war medicine. Fed. Bull., Chic., 1942, 28: 271–6. Also War Med., Chic., 1942, 2: 574–9.—We request admission to the Medical Reserve Corps. Women in Med., 1942, No. 75, 8.—**Women** doctors in the Army. Lancet, Lond., 1939, 2: 795; 1940, 2: 58.—**Women** doctors seek Army rank. Med. Woman J., 1941, 48: 117.—**Women** physicians. Mil. Surgeon, 1942, 91: 361.—**Women** physicians and National defense. Med. Woman J., 1940, 47: 222.

—— homoeopath.

Homoeopathist's (A) hardship. Med. Leg. Crim. Rev., Lond., 1944, 12: 1.—**Homeopath's** attempt to avoid national service. J. Am. M. Ass., 1944, 125: 76.—**Pearson, W. A.** Sons of Hahnemann in World War II. Hahneman. Month., 1943, 78: 114.—**Sutherland, A. D.** Homoeopaths at war. Homoeop. Rec., 1941–42, 57: 569–72.

—— Induction.

See also **Induction station.**

Borden, D. L. From civilian practice to military service. Med. Ann. District of Columbia, 1942, 11: 125–30.—**C., A. N.** The doctor in service. Minnesota M., 1942, 25: 652.—**Call** (A) to the medical profession. J. Am. M. Ass., 1941, 117: 2254. Also Nebraska M. J., 1942, 27: 9.—**Call** (A) to service. N. England J. M., 1942, 226: 31.—**Conscription** and the young doctor. N. Orleans M. & S. J., 1940–41, 93: 265.—**Defoug, G.** La réquisition et la mobilisation des médecins. Gaz. méd. France, 1945, 52: 187.—**Doctors** (The) dilemma. Med. Rec., Houston, 1942, 36: 231.—**Doctor** (The) serves his country. Hygeia, Chic., 1940, 18: 855.—**Downs, T. M.** A civilian physician in uniform. War Med., Chic., 1944, 5: 133–8.—**Drafted** doctors may apply for commissions. Rocky Mountain M. J., 1940, 37: 987.—**Draft** every doctor! Med. Econom., 1942–43, 20: No. 11, 6–8.—**Fargo, W. C.** Active military duty for physicians. Bull. Acad. M. Cleveland, 1940, 25: No. 12, 9.—**Final** draft of enabling act on medical service plans is about ready; intensive educational campaign started. Ohio M. J., 1940, 36: 1111.—**Fishbein, M.** Doctors at war. In his Doctors at War, N. Y., 1945, 3–27.—**Fitts, F. M.** Directors of affiliated units urged to encourage immediate active duty on individual members. J. Am. M. Ass., 1942, 119: 34.—**Fox, L. A.** The doctor in war. Mil. Surgeon, 1942, 91: 283–92.—**French, S. W.** The doctor in the war effort. J. Florida M. Ass., 1943–44, 30: 145–8.—**Future** (The) of medical practitioners and medical students on active service. S. Afr. M. J., 1943, 17: 248.—**Greene, S.** Radio appeals used to speed medical recruiting rate; news and morale programs urge M. D.'s to volunteer in increased numbers. Med. Econom., 1942–43, 20: 67.—**Ireland, M. W.** Military obligations of the medical profession. Surg. Gyn. Obst., 1931, 52: 485–7.—**King, P.** The doctor under the revised Selective Service Law. Med. Econom., 1941–42, 19: No. 12, 38.—**Kirk, N. T.** The role of the medical man in war. Lect. to the Laity (N. Y. Acad. M.) (1947) 1948, 12: 3–17.—**Lawrence, G. P.** The doctor in war. Clin. M. & S., 1935, 42: 170–3.—**Leigh, T. F.** I'm in the Army now! Med. Econom., 1941–42, 19: 70–8.—**Lowe, R. M.** The transition. Delaware M. J., 1942, 14: 210–2.—**Magee, J. C.** Accolade. J. M. Soc. Co. New York, 1942, 1: No. 23, 7.—**Military** questions and answers. Med. Econom., 1941–42, 19: No. 10, 43; 48.—**Mobilizing** doctors in an emergency. Brit. M. J., 1941, 1: Suppl., 21.—**Nation** (The) is at war; a call to the medical profession. Med. Soc. Rep., Scranton, 1942, 36: 14.—**Newton, G. D.** The role of the physician in mobilization. Week. Bull. S. Louis M. Soc., 1939–40, 34: 535.—**Nine** thousand one hundred doctors for U. S. Army will be required by next spring. J. Med., Cincin., 1940–41, 21: 515–7.—**Noble, R. E.** Relation of the medical profession to the Army. Tr. M. Soc. N. Carolina, 1918, 65: 289–98.—**On** active military duty. South. Surgeon, 1942, 11: 51.—**O'Sheel, P.** M-day nears for doctors. Med. Econom., 1941–42, 19: No. 3, 36. ——— Twelve thousand doctors face Army, Navy call in 1942. Ibid., No. 5, 64, &c. ——— Once you're in the Army. Ibid., No. 8, 46–52.—**Phalen, J. M.** Doctors' dilemmas. Mil. Surgeon, 1942, 90: 202.—**Phillips, J. R.** Doctors watch the ramparts, too; a few notes for those who will serve. J. Indiana M. Ass., 1941, 34: 251–6.—**Physician** (The) and the draft. J. Am. M. Ass., 1940, 115: 936.—**Physicians** called into the military service. Week. Roster, Phila., 1940–41, 36: 645.—**Procedure** for physicians called by local draft boards. California West. M., 1942, 57: 147.—**Radio** broadcasts: Doctors at War. J. Am. M. Ass., 1942, 120: 925. Also Bull. Fulton Co. M. Soc., 1943, 17: 11.—**Recruitment** of physicians. Mil. Surgeon, 1941, 88: 429.—**Ritzhaupt, L. H.** What can I do? J. Oklahoma M. Ass., 1942, 35: 29.—**Rowntree, L. G., & Baggs, A. N.** The physician in Selective Service and the Army. Med. Clin. N. America, 1941, 25: 1511–26.—**Rowsome, F. H.,** jr. Check list for doctors entering service. Med. Econom., 1941–42, 19: No. 9, 57.—**Young** (The) doctor and the draft. J. Tennessee M. Ass., 1941, 34: 449.—**Zollinger, R. M., & Freedman, M. A.** The physician prepares to enter the Army. N. England J. M., 1942, 227: 370–3.

—— killed or mutilated in action.

Berger, H. Kriegsbeschädigte Aerzte und literarische Hilfsarbeit. Münch. med. Wschr., 1916, 63: 1584.—**Breitner, B.** Gedenkrede für die im Weltkrieg gefallenen Aerzte. Wien. klin. Wschr., 1937, 50: 1137.—**Háborús** orvosveszteségek. Népegészségügy, 1942, 23: 949–51.—**Holzmeister, C.** Das Denkmal für die im Weltkriege gefallenen Aerzte. Wien. med. Wschr., 1937, 87: 539.—**Menier.** Médecins combattants. Chron. méd., Par., 1918, 25: 153.—**Segaud.** Projet de souscription pour élever un monument à la mémoire des médecins, chirurgiens et pharmaciens morts aux armées. Observ. sc. méd., 1823, 5: 61–9.—**Textoris.** Rapport sur le projet d'élever un monument à la mémoire des médecins, chirurgiens et pharmaciens morts glorieusement aux armées, fait au nom d'une Commission. Ibid., 115–20.—**Wortis, S. B.** [Extermination of medical men and destruction of hospital facilities] In: Med. Miss. Poland (Am. Unitar. Serv.) N. Y.. 1949. 43–8.

—— Military experience.

See also **Military medicine,** Experiences; **Surgery,** Experiences.

Bayly, H. W. Triple challenge; or, War, whirligigs and windmills; a doctor's memoirs of the years 1914 to 1929. 396p. 8° Lond., 1935.

Byrne, B. J. A frontier army surgeon; an authentic description of Colorado in the eighties. 160p. 8° Cranford, N. J., 1935.

Hume, E. E. The medical book of merit; United States Army and Navy decorations awarded to medical officers for distinguished service in the World War; compiled by order of the Surgeon Generals of the Army and Navy. 69p. 8° Wash., 1925.

Jeans, T. T. Reminiscences of a naval surgeon. 310p. 8° Lond., 1927.

Wilson, W. L. The value of a physician in war; address. 10 l. 32cm. Wash., 1949.

Abderhalden, E. Aerzte en die Front. Med. Rdsch., Mainz, 1947, **1**: 313.—**Altman, L. L.** Another letter from a colleague in military service. Westchester M. Bull., 1942, **10**: No. 3, 18.—**Army** experience for physicians. J. Maine M. Ass., 1940, **31**: 166.—**Crook, J. L.** The contribution of the medical profession to the war effort. J. Tennessee M. Ass., 1944, **37**: 186–9.—**Dimas-Aruti, C. M. de.** Medical ambassadors. War Doctor, 1942–43, **1**: No. 12, 23.—**Jones, S.** The doctor I remember best. Ibid., 1943–44, **2**: No. 6, 8.—**Letters** from members in the Armed Forces. Connecticut M. J., 1943, **7**: 839–54.—**Letters** from members in military service. Westchester M. Bull., 1942, **10**: No. 4, 15; No. 7, 8.—**Letters** from physicians in the services. Med. Ann. District of Columbia, 1943, **12**: 123–5.—**MacDonald, J. K.** Greetings from a member in military service. Westchester M. Bull., 1942, **10**: No. 3, 13.—**Podolsky, E.** The doctor as soldier. Med. Rec., N. Y., 1940, **152**: 71–4.—**Riely, L. A.** Doctors in armor. Surg. Gyn. Obst., 1948, **86**: 633–5.—**Roller, P.** What's different about it? Army Doctor, 1942, **1**: No. 2, 9–11.

—— Negro.

Cobb, W. M. Medico-Chi and the National Selective Service. J. Nat. M. Ass., 1945, **37**: 192–7.—**D., A. W.** The Negro physician and national defense. Ibid., 1942, **34**: 36.—**Giles, R. C.** The National Medical Association in national defense. Ibid., 116.—**Lee, H. E.** The President's annual address; the status of the physician in the war effort. Ibid., 178–80.

—— Preparedness.

See also **Preparedness,** medical.

Announcements by the Surgeon Generals of the Army, Navy and Public Health Service. J. Am. M. Ass., 1940, **115**: 1891.—**Are** you a procrastinator? Pennsylvania M. J., 1940–41, **44**: 217.—**Ashford, M.** The American doctor and preparedness. N. York M. J., 1917, **105**: 679.—**Borden, D. L.** Stand by! Med. Ann. District of Columbia, 1941, **10**: 205–11.—**Clase** (La) médica ante el momento actual. Bol. As. méd. Puerto Rico, 1941, **33**: 518.—**Fouts, R. W.** The role of the physician in medical preparedness. J. Omaha Clin. Soc., 1942, **3**: 18–23.—**Hulett, A. G.** Medical preparedness; every doctor's responsibility. Mil. Surgeon, 1938, **83**: 439–41.—**McBride, G. A.** The civilian doctor's part in a national military emergency. Ibid., 1935, **76**: 191; 266.—**MacLelland, R. M.** Medical convention programs to be geared to war needs. Med. Econom., 1942–43, **20**: 59.—**Mason, J. B.** The Philadelphia doctor and medical preparedness. Week. Roster, Phila., 1940–41, **36**: 75–9.—**Medical** service for our military training program. Texas J. M., 1940–41, **36**: 527.—**Medicine's** present job. Nassau M. News, 1941, **15**: No. 6, 1.—**Monat, H. A.** The civilian doctor's part in a national military emergency. U. S. Nav. M. Bull., 1936, **34**: 64–7.—**Percentages** by counties in which, as of Oct. 21, Pennsylvania physicians had returned the American medical association medical preparedness questionnaire. Pennsylvania M. J., 1940–41, **44**: 369.—**Pfaff, R. A.** Professional preparedness. California West. M., 1941, **55**: 295–8.—**Physicians** are ready to meet any demands on them. J. Missouri M. Ass., 1942, **39**: 22.—**R., N. P.** The national emergency. Brooklyn Hosp. J., 1941, **3**: 129–31.—**Robinson, C. M.** President's address. Tr. N. England Surg. Soc., 1940, **23**: 13–22.—**Skipp, W. M.** A job for every member! will you do your part? Ohio M. J., 1941, **37**: 383.—**Tosti, A.** Il medico e la guerra. Forze san., Roma, 1934, **3**: 1989–93.—**Truluck, G. M.** Presidential address. J. S. Carolina M. Ass., 1942, **38**: 137–40.

—— Procurement and assignment.

See under **Medical officer.**

—— Protection of income.

Boudin, P. Le médecin démobilisé doit récupérer ses clients. Concours méd., 1940, **62**: 644.—**Carter, D. Y.** The absentee doctor's share. Brit. M. J., 1942, **2**: Suppl., 55.—**Concerning** an opinion from the Attorney-General on exemption of dues of California licentiates in military service of a foreign power. California West. M., 1941, **55**: 333.—**Doctors'** insurance cover for war risks. Brit. M. J., 1942, **1**: Suppl., 29.—**Doctors** and the war damage act. Ibid., 1941, **1**: Suppl., 47.—**Douriez, P.** Les droits des médecins victimes de faits de guerre. Concours méd., 1943, **65**: 897–9.—**Fitzpatrick, E. B.** Protection of practices schemes and taxation. Med. J. Australia, 1942, **1**: 58.—**Liebster, L. B.** The absentee doctor. Brit. M. J., 1942, **2**: Suppl., 37.—**Peart, H. F.** Physicians leaving practice during present war, status on return as to former practice. California West. M., 1942, **57**: 275.—**Protection** of the incomes and practices of physicians in military service. Westchester M. Bull., 1942, **10**: No. 3, 7.—**Protection** of practices scheme in Liverpool. Brit. M. J., 1941, **2**: Suppl., 29.—**Protection** of professional incomes during military service [Australia] J. Am. M. Ass., 1939, **113**: 2437.—**Rogers, A. T.** War bonus for panel doctors. Brit. M. J., 1942, **1**: Suppl., 97.—**War** service plan for physicians and dentists entering military service; the Physicians' Business Bureau, Inc. Cincinnati J. M., 1942–43, **23**: 300.

—— Regimentation and organization.

Bennett, M. J. Regimentation. J. Am. Inst. Homeop., 1942, **35**: 497.—**Federal** medical reorganization. Med. Care, 1943, **3**: 45–9.—**Mead, J. M.** Doctors in a nation at war. Hygeia, Chic., 1942, **20**: 908; 920.

—— Registration.

Conscript doctors of medicine without conscripting others? never. South. M. & S., 1942, **104**: 638.—**Physician** war-age survey. Northwest M., 1942, **41**: 177.—**Problem** (The) of medical mobilization; value of the war emergency register. Brit. M. J., 1938, **2**: Suppl., 233.—**Registration** of women for war work. Lancet, Lond., 1941, **1**: 428.—**Temporary** registration for Canadian and U. S. A. doctors. Brit. M. J., 1940, **2**: 425.

—— Release.

Graham, W. H. Reconversion of the doctor from war to peace. South. M. J., 1946, **39**: 15–8.—**Lahey, F. H.** Medicine today; in and out of the service and after the war. Kansas City M. J., 1945, **21**: 5–11.—**Release** and resettlement. Lancet, Lond., 1945, **1**: 668–70.

—— Relief fund.

See also **Relief.**

Analysis of the Federal Soldiers' and Sailors' Civil Relief Act. Wisconsin M. J., 1941, **40**: 1170.—**Day, H. F.** Protection for physicians in the Armed Forces. N. England J. M., 1942, 226; 838.—**Doctors** hard hit by the war; help from Medical War Relief Fund. Nova Scotia M. Bull., 1941, **20**: 320–2. Also Pub. Health, Lond., 1940–41, **54**: 144.—**Legal** relief for physicians in military service. Wisconsin M. J., 1942, **41**: 230–2.—**Medical** War Relief Fund. Lancet, Lond., 1941, **2**: 647.—**Physicians'** rights under Soldiers and Sailors' Relief Act. Rocky Mountain M. J., 1942, **39**: 214.—**Providence** Medical Association to help members in military service. J. Am. M. Ass., 1942, **119**: 895.

—— Relocation and rationing.

See also subheading (Distribution)

Federal funds for relocation of physicians. J. Am. M. Ass., 1943, **123**: 420.—**Fletcher, H. A.** Where should physicians available for civilian practice, locate themselves? California West. M., 1943, **58**: 241.—**Gardner, S.** New plans laid for relocation and procurement of M. D.'s. Med. Econom., 1942–43, **20**: No. 5, 46, &c.—**House** Committee denies funds for relocated physicians. J. Am. M. Ass., 1943, **123**: 709.—**Kerry, D.** Doctors' war status scrutinized in the manpower controversy; recruiting and relocation under fire as new Federal steps are suggested. Med. Econom., 1942–43, **20**: No. 4, 40, &c.—**Kirkpatrick, H. J.** Rationed distribution of doctors? Brit. M. J., 1943, **1**: 23.—**Leys, D.** Rationed distribution of doctors? Ibid., 1942, **2**: 709.—**Obstacles** still hinder the relocation of doctors; nevertheless, more than 1,500 have moved into critical areas. Med. Econom., 1943–44, **21**: 125–36.—**Priorities** in physicians as well as in materials. Science News Lett., 1941, **40**: 159.—**Rankin, F. W.** The problems of production and distribution of physicians which face the medical profession. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 208–11.—**Ratio** of effective physicians to population by counties; military status of male physicians under 45; March 15, 1944. Wisconsin M. J., 1944, **43**: 540.—**Rational** rationing of medical care. West. J. Surg., 1942, **50**: 592.—**Rationed** medical care. Nassau M. News, 1942, **16**: No. 5, 1.—**Rationing** medical care. Westchester M. Bull., 1942, **10**: No. 6, 7.—**Ratio** of physicians for war and home front. J. Indiana M. Ass., 1942, **35**: 27.—**Relocations** of physicians. J. Am. M. Ass., 1943, **122**: 182.—**Supply** source for military personnel. California West. M., 1942, **57**: 285.—**Voluntary** rationing of medical care. Nassau M. News, 1942, **16**: No. 6, 1.

—— Responsibility.

See also subheading (Defense role)

Responsabilidad médica. Rev. san. mil. argent., 1947, **46**: 212–8.—**Varshavsky, K. M.** [Practical significance of medical responsibility] Voen. san. delo, 1941, No. 12, 24–8.

—— Salaries and economic problems.

See also other subheadings.

Ellis, M. E. M. S. salaries. Lancet, Lond., 1940, **2**: 469.—**Fenniman, W. C.** A doctor's financial problems while in

military service. Connecticut M. J., 1942, **6**: 894.—**Goodman, H.** Medical economics and the aftermath of the war. N. York Physician, 1942, **18**: No. 4, 44–6.—**Salaries** of physicians in military service. Rocky Mountain M. J., 1942, **39**: 214.—**Souza Ferreira, J.** Alguns aspectos das tarefas dos médicos e cirurgiões em tempo de guerra. Rev. med. cir. S. Paulo, 1942, **2**: 147–56.

—— Shortage and supply.

See also **Manpower.**

Are our doctors overworked? Texas J M., 1942–43, **38**: 585.—**Bauer, W. W.** Doctors will be scarce. Health, Mount. View, 1942, **9**: No. 12, 6.—**C., A. B.** The shortage of doctors. Lancet, Lond., 1941, **1**: 833.—**Congressional** committee asks over-all survey of doctor supply. J. Am. Osteopath. Ass., 1942–43, **42**: 199.—**Conservation** of medical resources. J. Am. M. Ass., 1940, **115**: 1282.—**Davis, M. M.** The doctor shortage and how to meet it. Harpers Mag., 1942, Nov., 602–7. ——— The supply of doctors. Med. Care, 1942, **2**: 314–21.—**Dentists** in training to aid physicians. Fed. Bull., Chic., 1942, **28**: 368.—**DePuy, C. A., & Maffly, A. E.** Doctor shortage in East Bay hospitals; San Francisco Bay Area. California West. M., 1943, **59**: 136–8.—**Doctor** shortage. Minnesota M., 1941, **24**: 678.—**Doctor** shortage and civilian health in wartime. J. Am. M. Ass., 1943, **123**: 214–9.—**Fishbein, M.** The supply of physicians. Hygeia, Chic., 1942, **20**: 892. ——— American medicine meets the challenge. Proc. Am. Drug Manuf. Ass., 1942, 31. meet., 89–95.—**Graham, A.** Medicine on guard; film dramatizes doctor shortage in war-industry community. Med. Econom., 1942–43, **20**: No. 10, 53–7.—**Hale, R. L.** Physician shortage becomes issue on Capitol Hill. Ibid., No. 3, 32–4, &c.—**Hannon, R. R.** Errors in article on doctor shortage from Office of War Information. J. Am. M. Ass., 1943, **123**: 654.—**Hertzog, L. S.** Medicine and Mars face shortages. J. Am. Inst. Homeop., 1941, **34**: 422.—**Hollander, A. R.** Civilian needs in relation to provision and supply of physicians. Dis. Eye &c. Throat, 1942, **2**: 257.—**Holloway, R. Y.** How the British are handling medical personnel problems. Med. Econom., 1942–43, **20**: No. 6, 77.—**McCurrich, H. J.** Economy of medical man-power. Brit. M. J., 1941, **2**: 826.—**Mitchell, A. M.** The medical front; a digest of the doctors' situation. J. Indiana M. Ass., 1941, **34**: 541.—**Mountin, J. W.** The medical manpower shortage. Interne, N. Y., 1943, **9**: 60–3.—**OWI** implies need of action to avert medical crisis. Med. Econom., 1942–43, **20**: No. 8, 44–6, &c.—**Paullin, J. E.** Presidential address; present needs and future requirements. Med. Ann. District of Columbia, 1943, **12**: 327–32.—**Physician** shortage. South. Surgeon, 1942, **11**: 803.—**Physician** supply for Armed Services and civilian communities. California West. M., 1942, **57**: 319.—**Pickens, M. I.** The effects of the war on the medical service in 38 North Carolina counties with limited personnel. North Carolina M. J., 1942, **3**: 570–2.—**Rose, H. N.** Medical overwork. Brit. M. J., 1942, **1**: Suppl., 64.—**Rowsome, F. H.,** jr. Are pools an answer to the growing night-call load? Med. Econom., 1942–43, **20**: No. 8, 36–8.—**Schwalbe, J.** Die ärztlichen Not- und Kriegsprüfungen. Deut. med. Wschr., 1915, **41**: 1403.—**Shortage** (The) of doctors. Lancet, Lond., 1941, **1**: 603.—**Spane, A.** Army faces M. D. shortage. Med. Econom., 1941–42, **19**: No. 2, 53.—**Statements** concerning procurement of more physicians to meet nation's military and civilian needs. J. Iowa M. Soc., 1943, **33**: 270–2.—**States** supply quotas of M. D.'s. Med. Econom., 1941–42, **19**: No. 10, 35.—**Supply** and demand, by Physician. Lancet, Lond., 1940, **1**: 1063.—**Supply** (The) of physicians. J. Am. M. Ass., 1942, **120**: 766; 1943, **121**: 1158.—**Supply** (The) of physicians; an official release from the Office of War Information. Ibid., 1943, **121**: 1160–4.—**Supply** (The) of physicians in wartime [Great Britain] Ibid., 1941, **117**: 548.—**Thrush, R. W.** How does the shortage of doctors affect the home? Health, Mount. View, 1943, **10**: No. 8, 4.—**United** States Civil Service Commission appeal for 600 civilian medical officers. J. Am. M. Ass., 1940, **115**: 939.—**Wake, S. C.** Pooling of practices. Brit. M. J., 1942, **1**: Suppl., 43.

—— Utilization.

Doctors and fire prevention duties. Brit. M. J., 1941, **1**: Suppl., 57.—**Lueth, H. C.** Distribution and utilization of physicians in total war. Proc. Inst. M. Chicago, 1942–43, **14**: 445.—**Peart, H. F.** Governmental agencies and medical practice. Delaware M. J., 1942, **14**: 217–9.—**Rowsome, F. H.,** jr. Are G. P.'s carrying more than their share of the load? Med. Econom., 1942–43, **20**: No. 9, 34–6.—**War** service. S. Afr. M. J., 1940, **14**: 291.

—— Wartime problems.

Abell, I. Relationship of public and physicians in war. Kentucky M. J., 1943, **41**: 187–92.—**Aikins, W. H. B.** The medical profession and the war. Canad. J. M. & S., 1915, **38**: 157–62.—**Anders, J. M.** The medical conditions and developments in previously recognized complaints due to war emergency. Pennsylvania M. J., 1918–19, **22**: 225–33.—**Conard, R.** Discussion of some of the problems and readjustments confronting the medical profession during the war. Ohio M. J., 1942, **38**: 474.—**Dilemma** (The) of medical men under 45 years of age. Med. Rec., N. Y., 1942, **155**: 194.—**Doctors'** (The) dilemma. N. York State J. M., 1942, **42**: 858. Also Virginia M. Month., 1942, **69**: 165.—**Grice, G. D.** The physician in social whirl. J. S. Carolina M. Ass., 1943, **39**: 113–7.—**Kern** County Medical Society studies doctors' problems in wartime. California West. M., 1942, **56**: 267.—**Kretschmer, H. L.** War problems faced by the medical profession. J. Indiana M. Ass., 1943, **36**: 633–7.—**Mamlock, G.** Aerztliches Standesleben im Kriege. Deut. med. Wschr., 1916, **42**: 1357; 1917, **43**: 595; 1918, **44**: 525.—**Thygesen, P.** Krigsforbrydelser og World medical association. Ugeskr. laeger, 1947, **109**: 416–8.

—— by countries.

Arzt im Kriege. Praxis, Bern, 1941, **30**: 712.—**Fitness** of Swedish doctors for Army service. J. Am. M. Ass., 1940, **115**: 69.—**Hume, E. E.** Collaborazione fra medici civili e militari in caso di guerra. Gior. med. mil., 1949, **96**: 129–37.—**Wanted** doctors. J. Ind. M. Ass., 1942–43, **12**: 18.

—— by countries: Australia.

Australian medical practitioners and the war. Med. J. Australia, 1940, **2**: 65.—**Cuthbert, N. M.** Appreciation of medical man power of Western Australia, with special reference to economy of personnel. Ibid., 1941, **2**: 293–8.—**Emergency** Civil Medical Practitioner Service. Australas. J. Pharm., 1942, **23**: 309.—**Extension** (The) of contract medical practice. Med. J. Australia, 1942, **2**: 445.—**Featonby, H. N.** The general organization of the profession in a national emergency. Ibid., 1939, **2**: 586.—**Liability** of medical men for military service. Ibid., 1941, **1**: 705.—**Medical** profession of Australia and war; emergency preparations. Ibid., 1939, **2**: 71–3.

—— by countries: Canada.

Canadian Medical Procurement and Assignment Board. Facts about your medical career on demobilization; information for medical officers. 59p. 22cm. Ottawa, 1945. Appendix I, 4p., 1945, laid in.

Canadian doctors for Britain. J. Am. M. Ass., 1941, **117**: 375.—**Hunter, J. E.** Medical civilian practice in wartime. Canad. Doctor, 1943, **9**: No. 10, 19–22.

—— by countries: France.

Boudin, P. Médecins mobilisés et assurances sociales. Concours méd., 1940, **62**: 463–5. ——— Ligue de défense professionnelle; le Sou médical. Ibid., 745–7.—**Clavelier.** Confédération des syndicats médicaux français; conseil d'administration du 7 janvier 1940. Presse méd., 1940, **48**: 198.—**Décret** concernant l'utilisation des médecins étrangers en temps de guerre. Ibid., 567.—**Documentation** du temps de guerre; la question du logement du médecin requis hors de son domicile. J. méd. Paris, 1940, **60**: 100; 112.—**Laignel-Lavastine.** Quelques livres pour les médecins mobilisés. Médecine, Par., 1940, **21**: 91–103.—**Landry.** La défense passive et les médecins français. Union méd. nordest, 1939, **62**: 65–73.—**Médecin** (Le) et l'armée. J. sc. méd. Lille, 1923, **41**: pt 2, 152; 165.—**Noir, J.** Au sujet des récriminations des médecins mobilisés; la mobilisation des inaptes et l'utilisation des compétences. Concours méd., 1940, **62**: 111.—**Trémolières, F.** La préparation médicale des décisions des Commissions de réforme. Bull. Acad. méd., Par., 1939, 3. ser., **122**: 481–6.—**Vanlande.** Le médecin pendant la guerre; même conscience professionnelle, avec rendement maximum; moins particulariste au point de vue scientifique; technicien, mais aussi administrateur. Maroc méd., 1939, **19**: 385–9.

—— by countries: Germany.

Behles, J. Als Hilfskassenarzt im Kriege. Deut. Aerztebl., 1942, **72**: 381.—**Conti.** Leistung und Aufgabe des deutschen Arztes im Kriege. Ausländ. Deut. Medizinertreffen (1942) 1944, 1. Congr., 15–26.—**Hecker, H.** Ueber militärische Verhältnisse der Mediziner. Strassb. med. Ztg, 1909, **6**: 216.—**Löllke, H.** Die Tätigkeit des Arztes in der Heimat als kriegsentscheidender Faktor. Deut. Aerztebl., 1943, **73**: 82–4.—**Schmidt, W.** Arzt und Wehrmacht. Med. Welt, 1935, **9**: 1495.

—— by countries: Great Britain.

American doctors for Britain. Brit. M. J., 1941, **1**: 716.—**Artificial** shortage of doctors. Lancet, Lond., 1941, **1**: 363.—**Arzt** und Krieg in England. Deut. med. Wschr., 1940, **66**: 18.—**Bayly, H. W.** Medical memories of war service by land and sea; sea service in the Royal and Merchant Navies. S. George Hosp. Gaz., Lond., 1943–44, **33**: 72–6.—**Bishop, P. M. F.** Guy's and the German War. Guy's Hosp. Gaz., Lond., 1945, **59**: 172–9.—**Bland, H. W.** Wartime medical certification. Brit. M. J., 1941, **2**: Suppl., 87.—[**Central** Medical War Committee] Recruitment for the services. Ibid., 1940, **1**: Suppl., 53.—**Compulsory** service for R practitioners. Ibid., **2**: Suppl., 5.—**Doctors** for Britain. Mil. Surgeon, 1941, **88**: 687.—**Emergency** notices; issued by the Central Emergency Committee of the British Medical Association. Lancet, Lond., 1939, **2**: 572.—**Employment** of alien doctors. Brit. M. J., 1941, **1**: 735.—**Knight, R.** America asks doctors for Britain. Red Cross Courier, 1940–41, **20**: No. 11, 3.—**Liability** of doctors for service with H. M. forces. Med. Times, Lond., 1940, **68**: 233.—**Medical** practitioners and military service. Lancet,

Lond., 1940, 1: 1068.—**Medical** register and friendly aliens. Ibid., 2: 763.—**Mobilization** of physicians for war. J. Am. M. Ass., 1939, 113: 1045.—**More** doctors for the services; meeting of Local Medical War Committees. Brit. M. J., 1942, 1: Suppl., 89.—**More** doctors wanted for the fighting forces. J. Am. M. Ass., 1942, 119: 1213.—**No** war bonus for panel practitioners [question in Parliament] Lancet, Lond., 1942, 2: 713.—**Physicians** requested for service in Great Britain. J. Am. M. Ass., 1941, 116: 1913–5.—**Recruiting** for Army from medical staffs of hospitals [Gr. Britain] Ibid., 1943, 121: 142.—**Recruitment** of medical men in a national emergency. Brit. M. J., 1936, 1: 723.—**Reinstatement** refused after war service; case of Leicestershire police surgeon. Ibid., 1943, 3: 49.—**Scott, J. B.** Recruitment of medical men in a national emergency. Ibid., 1936, 1: 609.—**War** bonus for insurance practitioners. Ibid., 1942, 2: Suppl., 1.—**War** notice; young practitioners. Ibid., 1940, 1: Suppl., 83.

—— **by countries: United States.**

MAXSON, C. W. Maryland physicians in peace and war. 10 l. 27cm. [n. p.] 1948.

Bearse, C., Emmons, H. M. [et al.] Physicians must volunteer from large cities. J. Am. M. Ass., 1943, 121: 1304.—**Final** request made for immediate return of A. M. A. preparedness questionnaires; more Ohio physicians called to service. Ohio M. J., 1941, 37: 165–7.—**Greene, E. H.** The increasing individual opportunity and responsibility of doctors and hospitals for service in relation to the accelerated war program J. M. Ass. Georgia, 1943, 43: 262–5.—**Hundreds** of Ohio physicians volunteer to examine draftees; many others on active duty at training camps; medical phases of the selective service system are analyzed. Ohio M. J., 1940, 36: 1314–26.—**Indiana** physicians on active duty with Uncle Sam. J. Indiana M. Ass., 1941, 34: 404–6.—**Just** how many are really needed? Rocky Mountain M. J., 1942, 39: 126.—**Kantor, J. L.** The place of the civilian physician in the expansion of the United States Army. N. York State J. M., 1940, 40: 1675–8.—**Lahey, F. H.** The increasing individual opportunity and responsibility of doctors and hospitals for service in relation to the accelerated war program. Bull. Am. Coll. Surgeons, 1943, 28: 168.—**Medical** mobilization and the war; Wisconsin commissions accepted October 1st, 1918. Wisconsin M. J., 1942, 41: 61–3.—**Nichtern, S.** The Murray Bill. Q. Chicago M. School, 1940–41, 1: No. 3, 22.—**Ninety** percent of South Carolina physicians have returned the questionnaires. J. S. Carolina M. Ass., 1941, 37: 39.—**Notas** del Ejército; el Ejército necesita 20,000 doctores más. Bol. As. méd. Puerto Rico, 1942, 34: 295–7.—**Ohio** asked to furnish additional medical officers in 1943; re-appraisal to classify availables started; needs of civilians will be analyzed carefully. Ohio M. J., 1943, 39: 67.—**Ohio** faces heavy draft quota in March; more physicians called for active duty; 700 questionnaires still out. Ibid., 1941, 37: 268.—**Ohio** physicians totaling 8,208, or 88 percent, have filed A. M. A. questionnaire. Ibid., 59.—**Ohio** physicians with Armed Forces as of April 17 number 734. Ibid., 1942, 38: 480–4.—**Our** doctors in war service. Northwest M., 1942, 41: 259–61.—**Personnel** needs of the Army Medical Corps. Westchester M. Bull., 1942, 10: No. 3, 5.—**Physicians** must volunteer from large cities. J. Am. M. Ass., 1943, 121: 1092.—**Physicians** needed for Army service. J. M. Soc. N. Jersey, 1940, 37: 429.—**Rawls, J. L.** The medical profession in the South in time of war. South. Surgeon, 1942, 11: 290–7.—**Roster** of Nebraska physicians in military service, as of July 15, 1943. Nebraska M. J., 1943, 28: 271.—**Stokes, J. H.** The young doctor and the war. Diplomate, 1942, 14: 17–23.—**Tennessee** doctors and the military service. J. Tennessee M. Ass., 1942, 35: 439; 1943, 36: 180.—**Tennessee** doctors and the military service; list. Ibid., 1944, 37: 24–9.—**Townsend, T. M.** The American doctor in wartime. Westchester M. Bull., 1939, 7: No. 10, 9.—**War** and American physicians. Med. Ann. District of Columbia, 1939, 8: 305.—**West** Virginia doctors called to military duty. West Virginia M. J., 1941, 37: 34.—**Wisconsin** physicians in service. Wisconsin M. J., 1944, 43: 165–9.—**Young** doctors wanted by the Army. Connecticut M. J., 1940, 4: 624.—**Young** physicians urged to volunteer from larger cities. Diplomate, 1943, 15: 158.

PHYSIOLOGY.

See also **Arctic service; Aviation physiology; Flight; Mountain; Nutrition; Tropical service.**

LADELL, W. S. S. A visit to Germany to investigate wartime advances in certain branches of applied physiology, February 7th to March 13th, 1946. 27p. 25cm. Lond., 1947.

Forms Rep. No. 566, Item No. 24, BIOS Final Rep., Lond.

STONE, W. S., BLISS, R. W. [et al.] Highlights of physiological research in military laboratories. p.5–69. 27cm. Wash., 1947.

Sympos. Mil. Physiol., Wash., 1947.

SYMPOSIUM ON MILITARY PHYSIOLOGY. 310p. 27cm. Wash., 1947.

Forms Digest Ser. No. 4, U. S. Nat. Mil. Establish. Res. & Develop. Bd.

VORDER BRUEGGE, C. F. Anatomy and physiology. 8 l. 32cm. West Point [?] 1948.

Forms Lect. 1, Dep. Mil. Hyg. U. S. Mil. Acad.

Araujo, J. O. Noções de anatomia e fisiologia. In: Mansocor. guerra, S. Paulo, 1943, 18–29, 6 pl.—**Beyne, P. J. E.** La physiologie et la médecine. Rev. Serv. san. mil., Par., 1939, 110: 367–71.—**Egorov, P., & Stern, R.** Krovetvorenie, hemopoez. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 123–32.—**Eigengesetzlichkeit** (Die) der Lebensvorgänge; ein Beitrag zur Periodenlehre. Militärsanität, Zür., 1947, 29: 69; passim.—**Equilibrium** and bodily orientation. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 141–53.—**Ginecinsky, A., Skrypin, V., & Shulcev, G.** Krovoobraśćenie. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 140–71.—**Gorovoj-Shaltan, V.** Psikhofiziologia truda. Ibid., 4: 984–6.—**Jung, A.** Récentes observations sur la physiologie des muscles et de la nutrition. Vjschr. schweiz. Sanitätsoff., 1936, 13: 78–81.—**Kravchinsky, B.** Piśćevarenie. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 538–44.—**Lebedinsky, A., & Simkin, N.** Fiziologia voennaja. Ibid., 5: 724–34.—**McCarthy, C. L., & Henze, C.** Practical industrial physiology. CIOS Rep., Lond., 1945, Item 24, No. XXVI–36, 6.—**Nathanson, A.** Energetiśćeskie traty bojca. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1188–95.—**Pankratov, M., Podkopaev, N.** [et al.] Refleks. Ibid., 4: 1121–36.—**Rabinović, M.** Kapiljary, kapiljaroskopija. Ibid., 2: 1113–23.—**Schattenstein., D.** Psikhofiziologija voennogo truda. In: Bolsh. med. encikl., 1933, 27: 841–5.—**Skrypin, V.** Utomlenie. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 678–88.—**Veselkin, P.** Termoregulacija. Ibid. 476–81.—**Vladimirov, G.** Obmen veśćestv (metabolizm) Ibid., 3: 1403–11.—**Vojaće, V.** Zvuk. Ibid., 2: 782–4.—**Volokhov, A.** Zhaźda. Ibid., 603–8.—**Woodcock, H. M.** Hæmatophagy and hæmetaboly as a normal function of various types of tissue-cell. J. R. Army M. Corps, 1922, 38: 403; 39: 14.

PHYSIOPATHOLOGY.

See under such terms as **Anoxia; Cold exposure; Cold injury; Gas poisoning; Injury; Wounded; Wound infection,** etc.

PHYSIQUE.

See under **Fitness,** Constitution.

PHYTOTHERAPY.

See also **Pharmacotherapy.**

Léon, R. Quelle est la valeur thérapeutique de nos plantes? Caducée, Port-au-Prince, 1948, No. 35, 11; passim.—**Más y Guindal, J.** Fitoterapia musulmana. Rev. san. mil., Madr., 1929, 19: 165; passim.—**Scerbo, F.** Prodotti sintetici e fitoterapia. Gior. med. mil., 1940, 88: 64–7.—**Schunck de Goldfiem, J.** La phytothérapie de guerre. Rev. path. comp., Par., 1940–41, 41: 185–7.

PICRIC acid.

See under **Nitrophenol.**

PIGEON.

See also **Ornithosis.**

Cudic, S. Z. [Pigeon diseases] Voj. san. glasnik, 1940, 11: 331–59.—**Iizima, H.** Gun-yō hato no ketueki seibun ni kansuru kenkyū hoi [Supplementary studies on the constituents of the blood of carrier pigeons used in the army] Acta Soc. ophth. jap., 1944, 48: 727–34.—**Lesbouyries.** Le pigeon voyageur; ses principales maladies. Rev. vét. mil., Par., 1935, 19: 443–53.—**Nakane, T.** Gun-yō hato ni tuite [Pigeons used by the Army] Hokuetu igakkai zassi, 1942, 57: 631; 849.—**Rosenwald, A. S.** Veterinary problems in a signal pigeon company. J. Am. Vet. M. Ass., 1944, 104: 141–3.—**Yager, R. H., & Gleiser, C. A.** Trichomonas and Hemoproteus infections and the experimental use of DDT in the control of ectoparasites in a flock of Signal Corps pigeons in the territory of Hawaii. Ibid., 1946, 109: 204–7.

PIGMENT nephropathy.

See under **Nephrosis.**

PIGNET index.

See under **Medical examination,** Pignet index.

PILONIDAL cyst [and sinus]

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 89: Pilonidal cyst and sinus. 2p. 26cm. Wash., 1944.

Buie, L. A. Jeep disease (pilonidal disease of mechanized warfare) Collect. Papers Mayo Clin. (1943) 1944, 35: 500–8.—**Byrne, R. V.** Pilonidal cysts. U. S. Nav. M. Bull., 1944, 42:

386–90.—**Casberg, M. A.** Infected pilonidal cysts and sinuses. Bull. U. S. Army M. Dep., 1949, **9:** 493–6.—**Cupp, H. B.** Pilonidal sinus. Med. Bull. Veterans Admin., 1938–39, **15:** 291–3.—**Ferguson, C.** Pilonidal cysts; their hospitalization. Mil. Surgeon, 1946, **98:** 307–9.—**Granet, E., & Ferguson, L. K.** Pilonidal disease; management of cysts, sinuses and abscesses in naval personnel. Am. J. Surg., 1945, **70:** 139–52.—**Jackes, H. L.** Pilonidal cysts and sinuses. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 3, 38–43.—**Jacobs, R. G.** Observations on pilonidal cysts. U. S. Nav. M. Bull., 1943, **41:** 1296–8.—**Kennard, H. E.** A method to shorten hospitalization of patients with pilonidal cysts. Mil. Surgeon, 1945, **97:** 132–5.—**Kleitsch, W. P.** Pilonidal cyst and sinus; a preliminary report. Ibid., 1949, **105:** 234–7.—**Kline, L. B.** Pilonidal cyst. Med. Bull. Veterans Admin., 1934–35, **11:** 241–6.—**Lane, W. Z.** Pilonidal cysts and sinuses in the Navy. U. S. Nav. M. Bull., 1943, **41:** 1284–95.—**Moir, H.** Pilonidal cyst and sinus. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 3, 34–7.—**Pickett, W. J., & Beatty, A. J.** Pilonidal cysts in the Army; a report of 30 cases occurring in 97 days at Fort Sill, Oklahoma. Am. J. Surg., 1942, **56:** 375–8.—**Pickett, W. J., & Meyers, M. P.** Further experience with pilonidal cysts at Fort Sill, Oklahoma. Ibid., 1943, **62:** 387–91.—**Pilonidal** cysts. U. S. Nav. M. Bull., 1943, **41:** 859.—**Pilonidal** cyst and sinus. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 169, 1.—**Spangler, P. E.** Some observations on pilonidal sinus. Mil. Surgeon, 1949, **104:** 175–9.—**Webber, R. J.** Pilonidal disease. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, **2:** 37–50.—**Young, V. T.** Experience with a series of 450 caess of pilonidal disease at a naval hospital. Med. Ann. District of Columbia, 1947, **16:** 6–9.

—— Treatment.

Alley, R. C., & Richey, C. O. Pilonidal cyst; excision and primary wound closure. Mil. Surgeon, 1945, **96:** 422.—**Barber, P. S., & Poteat, H. M.,** jr. Pilonidal cyst; treatment and cure afloat. U. S. Nav. M. Bull., 1944, **42:** 930–3.—**Barker, V. L., & Clark, G. H.** Treatment of pilonidal cysts by excision and primary closure. Mil. Surgeon, 1944, **95:** 27–30.—**Berger, H.** Tyrothricin therapy in postoperative pilonidal cysts. U. S. Nav. M. Bull., 1945, **44:** 952–6.—**Brown, J. S.,** jr. Pilonidal cysts; an operative technique. Mil. Surgeon, 1945, **96:** 504–6.—**Coffey, R. J.** Marsupialization of pilonidal cysts. U. S. Nav. M. Bull., 1944, **42:** 1326–9.—**DePrizio, C. J.** Pilonidal cyst and new improved type operation. Mil. Surgeon, 1942, **91:** 292–8.—**Franseen, C. C.** Treatment of pilonidal cysts at the 249th General Hospital at Clark Field, Luzon, P. I. J. Mil. M. Pacific, 1946, **2:** 75–8.—**Glauser, F.** Medical treatment of pilonidal cyst. U. S. Nav. M. Bull., 1944, **42:** 447.—**Henning, B. H., & Dempsey, T. F.** The Buie operation for the cure of infected pilonidal cysts. Mil. Surgeon, 1946, **99:** 23–5.—**Johnson, F. H., & Gorham, S. J.** Pilonidal cyst; removal by transverse incision; preliminary report. U. S. Nav. M. Bull., 1944, **42:** 1330–3.—**Miscall, L., & Holder, J. S.** Pilonidal sinus; a method of closure by musculo-fascial flaps. Mil. Surgeon, 1943, **93:** 457–61.—**Rogers, H.** Pilonidal sinus; the indications for treatment in the military service in time of war. Ibid., 1944, **95:** 454–7. Also Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 2, 8.—**Salyer, J. M., & Forsee, J. H.** Pilonidal cysts and sinuses; an acceptable method for the eradication by block excision with primary closure. Mil. Surgeon, 1949, **105:** 364–8.—**Sawyer, M. H., & Kast, D. H.** Pilonidal cysts; observations on their surgical treatment and postoperative convalescence. Ibid., 1944, **95:** 398–402.—**Sher, J. J.** X-ray treatment of pilonidal cysts. U. S. Nav. M. Bull., 1944, **42:** 391.—**Van Dyke, P. B.** Management of pilonidal disease. Mil. Surgeon, 1945, **96:** 420–2.

PINTO.

Allen, R. F., & Goodale, R. H. Pinta-like lesions among natives of Guam. U. S. Nav. M. Bull., 1946, **46:** 653–62.—**Bejarano, J. F. R.** Mal de pinto o carate. Rev. san. mil., B. Air., 1944, **43:** 1638–51.—**Cataldi, L., & Rossi, E.** Mal del pinto. Rev. san. mil. argent., 1947, **46:** 557–61.—**Gómez Farías, R.** El mal del pinto. Rev. méd. mil., Méx., 1939, **2:** No. 8, 5–18. ——— Investigación del treponema en las lesiones de 500 casos del mal del pinto. Ibid., 32–6.—**Holcomb, R. C.** Pinta, a treponematosis; a review of literature. U. S. Nav. M. Bull., 1942, **40:** 517–52.—**León y Blanco, F.** El treponema del mal del pinto. Rev. méd. mil., Méx., 1939, **2:** No. 8, 19–31. ——— Las lesiones de principio del mal del pinto. Ibid., 37–74.—**Viguri Rodriguez, H.** El mal del pinto en Zirándaro, Guerrero. Ibid., 1938, **1:** No. 5, 35–51.

PIROPLASMOSIS.

Ali Oektem, M. Pyroplazma caballi, beygir pyroplazmoz'un, de sublimee, ichtargan, acaprine zerkiyatile tedavi ve neticeleri. Askerî vet. mecmuası, 1941, **19:** 123–5.—**Ali Uenal, M.** Bcygir piroplasmosunun süblime ile tedavisi. Ibid., 1945, **23:** No. 158, 8–11.—**Gosset.** Contribution à l'étude de la piroplasmose équine en Syrie. Rev. vét. mil., Par., 1929, **13:** 436–63.—**K., R. H.** Treatment of piroplasmosis of horses with pirevan. J. R. Army Vet. Corps, 1942–43, **14:** 25.—**Kikuth, W.** Piroplasmosis. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 82–5.—**Steevenson, G. F.** Piroplasmosis in ponies and donkeys imported into India from South Africa. J. R. Army Vet. Corps, 1943–44, **15:** 97–9.—**Wilmot-Smith, J. P.** Acute piroplasmosis. Ibid., 1945–46, **17:** 145–7.

PIT latrine.

See **Latrine.**

PITUITARY.

See also **Endocrine system,** Disease.

BUNNEMANN, G. *Ein Fall von Cushingschem Syndrom aus einem Kriegslazarett der Westfront; ein Beitrag zur Entstehung der Striae cutis distensae [Berlin] 19p. 23cm. Charlottenb., 1940.

Bockoven, S. The relation of the sphenoid sinus to dysfunction of pituitary gland. Med. Bull. Veterans Admin., 1932, **8:** 43.—**Chiucini, G.** Contributo anatomo-clinico alla conoscenza della cachessia ipofisaria; malattia di Simmonds da infarto necrobiotico dell'ipofisi. Gior. med. mil., 1949, **96:** 17–40.—**Excessive** use of pitressin. Bull. U. S. Army M. Dep., 1945, **4:** 6.—**Haynes, G. O.** Eosinophilic pituitary adenoma. Med. Bull. Veterans Admin., 1943–44, **20:** 80.—**Lichtenstein, S.** Adamantinoma of the pituitary. U. S. Veterans Bur. M. Bull., 1928, **4:** 458–62, 2 pl.—**Love, J.** Tumor of the pituitary body with positive Aschheim-Zondek test; report of case. U. S. Nav. M. Bull., 1932, **30:** 205–7.—**McArthur, N. H.** Cushing's syndrome, eunuchoidism. J. R. Nav. M. Serv., 1941, **27:** 202–5.—**Monbrun, A., & Fual, M.** [Prognostic and surgical treatment of tumors of the pituitary body] Askerî sihhiye mecmuası, 1933, **62:** 166–72.—**Murakami, S.** Nōkasuitai-bu syuyō ni tai-suru re-sen syðsya no iti rei. [Cure by roentgenological treatment of a case of tumor in the region of the hypophysis] Kaigun gun-ikai zassi, 1938, **27:** 930–3, pl.—**Poe, D. L.** The clinico-pathological aspect of the pituitary gland. U. S. Nav. M. Bull., 1932, **30:** 321–50.—**Pomfret, A. A.** Ophthalmic signs and symptoms in pituitary disease. J. R. Nav. M. Serv., 1936, **22:** 114–21.—**Watkins, P. B., Pollock, B. E., & Leedham, C. L.** Hypopituitarism. Bull. U. S. Army M. Dep., 1949, **9:** 739–49.

PITYRIASIS rosea.

See under **Skin.**

PLAGUE.

See also **World War II,** Dakar.

HALLIDAY, C. H. Plague, a potential hazard during mobilization. 33p. 27½cm. n. p., 1938.

UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Plague. 8p. 27cm. Orlando, 1944.

Forms Pt 10, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F. U. S.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 124: Plague. 4p. 26cm. Wash., 1944.

Birt, C. Plague. J. R. Army M. Corps, 1908, **10:** 51; 627.—**Crossfill, J. W. L.** Plague in Shakespeare and Pepys. J. R. Nav. M. Serv., 1948, **34:** 22–8.—**Fox, C.** The flea in its relation to plague, with a synopsis of the rat fleas. Mil. Surgeon, 1909, **24:** 528–37. ——— Symptomatology and pathology of plague. Ibid., 545–52.—**Gessner, F. E.** Report of a case of plague. Ibid., 1929, **64:** 95–7.—**Gordon, J. E.** Plague. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 5, No. 2, 22–4.—**Hegler, C.** Pest. In: Wehrhygiene (Handloser, S.) Berl., 1944, 129–31.—**Johnson, F. H.** Report of a case of septicemic plague in which practically the only symptom was an elevated temperature. U. S. Nav. M. Bull., 1933, **31:** 311.—**Loss, L.** A case of bubonic plague. J. R. Nav. M. Serv., 1919, **5:** 430–2.—**MacArthur, W. P.** The surgeon and old-time plague. J. R. Army M. Corps, 1932, **58:** 321–35.—**McCoy, G. W.** Bacteriology of plague. Mil. Surgeon, 1909, **24:** 519–27. ——— The examination of rats for plague infection. Ibid., 538–44.—**Patanè, C.** Alcune osservazioni e ricerche su la presenza del bacillo della peste nel latte di donna e di cavia infette. Gior. med. mil., 1930, **78:** 106–8.—**Plague.** Rep. Surg. Gen. U. S. Navy, 1907–08, 54.—**Plague;** War Department technical bulletin TB Med 124. War Med., Chic., 1945, **7:** 40–3.—**Pöch, R.** Ueber Pest. Militärarzt, Wien, 1914, **48:** 521–6.—**Rudnev, G.** Chuma (pestis) In: Enciklˈ slovar voen. med., Moskva, 1946–48, **5:** 1004–16.—**Severn, A. G. M.** Infective diseases of war; plague. Med. Press & Circ., Lond., 1941, **206:** 74–7.—**Sommerville, D.** The transmission of plague by fleas. J. R. Army M. Corps, 1908, **10:** 281.—**Williams, C. L.** Modern trends of plague epidemiologic research. Mil. Surgeon, 1926, **59:** 155–64.—**Willoughby, W. M.** Diagnostic and other experiences with special reference to plague. J. R. Nav. M. Serv., 1935. **21:** 110–20.

—— Control and prevention.

REPORT OF COMMISSION APPOINTED BY THE SECRETARY OF THE TREASURY for the investiga-

tion of plague in San Francisco, under instructions from the Surgeon-General, Marine Hospital Service. 23p. 8°. Wash., 1901.
In: Papers & Addresses (Barker, L. F.) Wash.

Russia. "Ministry of War. Położenie o meroprijatijakh protiv zanosa i rasprostranenija čumy v vojskakh. 28p. 8°. S. Peterb., 1911.

Curtis, J. K. Plague; preventive medicine and therapy. Bumed News Lett., Wash., 1945, 5: No. 3, 6.—**Interdepartmental** conferences on plague control. Mil. Surgeon, 1942, **90**: 98.—**Jakobkiewicz, J.** [Prophylaxis of the plague in Italian sea ports] Lek. wojsk., 1937, **30**: 160; 224.—**Jenkinson, S.** On plague and quarantine. J. R. Nav. M. Serv., 1938, **24**: 271–80.—**McCreery, B.** Inoculation with Yersin's plague serum; a personal experience. J. R. Army M. Corps, 1908, **10**: 214.—**Martín Rascón, I., & Aránguez, M. E.** La peste y la vacuna. Rev. san. mil., Madr., 1924, 3. ser., **14**: 369–73.—**Plague-infected** rats aboard ships give cause for concern to port officials. Bumed News Lett., Wash., 1943, **1**: No. 7, 12–4.—**Plague** in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, July 15–December 25, 1908. Pub. Health Rep., Wash., 1908, **18**: 1877–9.—**Plague** work in Hawaii. Mil. Surgeon, 1942, **90**: 594.—**Popov, P. P.** K voprosu o meroprijatijakh dlja borby s legočnoj čumoj. Voen. med. J., S. Peterb., 1912, **234**: Med. spec. pt, 268; 436.—**Redondo Flores, A.** La peste, la vacuna y la desinsectación. Rev. san. mil., Madr., 1924, 3. ser., **14**: 313–21.—**Rucker, W. C.** Report of the Surgeon General in charge of the campaign [against the plague in New Orleans] Panamer. S. & M. J., 1914, **19**: 77.

—— Incidence.

Campbell, A. E. Plague in Secunderabad, 1934–35. J. R. Army M. Corps, 1936, **67**: 372–80.—**Dargein.** D'un foyer latent de peste sur un transport de guerre à Toulon. Marseille méd., 1927, **64**: 670–4.—**Di Giura, G. L.** Sull'epidemia di peste in Manciuria. Ann. med. nav., Roma, 1911, **17**: 319–37, map.—**Farner, D. S.** Plague; epidemiology. Bumed. News Lett, Wash., 1945, **5**: No. 3, 1–6.—**Geiger, J. C.** War and the spread of epidemic diseases. J. Am. M. Ass., 1943, **121**: 70.—**Gelonesi, G.** La seconda epidemia di peste verificatasi nella regione dello Scidle (Somalia italiana) Ann. med. nav., Roma, 1925, **2**: 159–78.—**Jude, L. V. R., & Lubet, J. V. H.** A propos d'une petite épidémie de peste à Beyrouth en 1932; tentative d'une dératisation intensive; résultats. Arch. méd. pharm. mil., 1934, **100**: 255–68.—**Klimenko, V. S.** O čumnykh epidemijakh v Rossii. Voen. med. J., S. Peterb., 1910, **219**: Med. spec. pt, 659–63.—**MacArthur, W. P.** Old-time plague in Britain. J. R. Army M. Corps, 1926, **47**: 401–18.—**Marras, F. M.** Osservazioni ed esperienze sulla peste nelle Indie inglesi. Ann. med. nav., Roma, 1929, **35**: 301–35, 7 pl.—**Pech.** Epidémiologie d'armée; la peste de Jaffa. Caducée, Par., 1913, **13**: 299.—**Plague** epidemic is possible for U. S. under war stress. Science News Lett., 1941, **40**: 83.—**Plagues** to come in war's wake microbiologist predicts. Ibid., 1939, **36**: 182.—**Rotman, C. M. H.** Bubonic plague in Dakar. J. R. Nav. M. Serv., 1945, **31**: 155–8.—**Sinisi, G.** Di un'epidemia petosa in Somalia. Gior. med. mil., 1922, **70**: 326–30.—**Stuart, R. D.** Plague in Nigeria. J. R. Nav. M. Serv., 1930, **16**: 42–4.—**Townsend, S. L.** Plague (bubonic and pneumonic) in Port Said. Ibid., 1944, **30**: 25–9.—**Vine, R. S.** Plague in the Nilgiris. J. R. Army M. Corps, 1938, **71**: 382–95.—**Zembrzuski, L.** Mór w dawnej Polsce i sposoby jego zwalczania. Lek. wojsk., 1933, **21**: 97–109.

—— Treatment.

Hurley, J. R. The management of a plague campaign within the provisional plague district. Mil. Surgeon, 1909, **24**: 553–86.—**Ibañez, A.** Diagnostico y tratamiento de la peste bubónica en la Casa de Aislamiento. Bol. san. mil., B. Air., 1909, **8**: 422–9.—**Mackay-Dick, J.** Report on reactions to anti-plague serum. J. R. Army M. Corps, 1945, **84**: 33. —— A brief report on twenty-six cases of bubonic plague with the results of treatment. Ibid., **85**: 105–8.—**Platzer, R. F.** Evaluation of therapeutic agents in plague; a review of the literature. U. S. Nav. M. Bull., 1946, **46**: 1674–89.—**Use** of plague vaccine [form letter] Bumed News Lett., Wash., 1943, **2**: No. 5, 21.

PLANE.

See **Combat plane; Jet plane.**

PLANKTON.

Miller, M. R. An investigation of the Alaskan coastal plankton as a food. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, Jan., 16.—**Polunin, N.** Some proposals for the war-time use of plankton. Chron. Bot., Waltham, 1942–43, **7**: 133–5.

PLANNING.

See also **Civilian defense,** Organization and planning; **Emergency medical service,** Organization and planning; **Militarism,** Postwar planning; **Postwar planning.**

Agnew, W. J. C. Naval medical planning. Mil. Surgeon, 1946, **99**: 752–4.—**Cameron, R. D.** Medical planning. J. R. Army M. Corps, 1947, **88**: 73–88.—**Pooler, H. W., Gibson, C. R., & Savage, T.** Medical planning commission. Brit. M. J., 1941, **1**: 171.—**Vadász, G.** A munkamozgalom az egészségügyi intézetekben; az egészséges néphadseregért. Honvédorvos, 1950, **2**: 400–3.—**Welsh, A. B.** Military medicine; plans and operations. Proc. Am. Drug Manuf. Ass., 1943, 32. Meet., 101–10.

PLANT, edible.

See under **Arctic service; Food.**

PLANT (industrial)

See **Industrial plant; Munitions plant.**

PLASMA.

See **Blood transfusion,** Material: Plasma (and subdivisions)

PLASMA bank.

See **Blood bank.**

PLASMOCHIN.

See also **Malaria,** Pharmacology.

Raşit, A., & Nuri, O. [On plasmochin] Askerî sıhhiye mecmuası, 1932, **61**: 17–9.—**West, J. B., & Henderson, A. B.** Plasmochin intoxication. Bull. U. S. Army M. Dep., 1944, No. 82, 87–99.

PLASMOCYTOMA.

See **Myeloma;** also **Tumor.**

PLASMODIUM.

See also **Malaria,** Type.

Billet. Les parasites du paludisme. Caducée, Par., 1906, **6**: 6.—**Calmette, E.** Du paludisme et de son hématozoaire. Ibid., 1902, **2**: 181.—**Serra, S.** Ancora a proposito della forma caratteristica di certi parassiti malarici extraglobulari. Ann. med. nav., Roma, 1926, **2**: 341.—**Speck & Evans,** jr. Biochemical activity of the malaria parasite. Bumed News Lett., Wash., 1945, **5**: 16.—**Taliaferro, W. H.** The biology and biochemistry of the malarial parasites. In: Advance. Mil. Med., Bost., 1948, **2**: 678–90.—**Terzian, L. A., Stahler, N., & Weathersby, A. B.** Studies on the life cycles of plasmodia in relation to anti-malarial drugs. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 75.

—— P. falciparum.

See also **Malaria,** Type: Falciparum.

Terzian, L. A., & Weathersby, A. B. The action of antimalarial drugs in mosquitoes infected with Plasmodium falciparum. 5p. 26½cm. Bethesda. 1948.
Forms Rep. No. 7, Res. Proj. NM 007 007 (or, X-539) U. S. Nav. M. Res. Inst.

—— P. gallinaceum.

See also **Malaria,** Type: Gallinaceum.

Miller, Z. B., Eakin, R. E. [et al.] The influence of diet on the growth of Plasmodium gallinaceum in the chick. 13p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X-334, U. S. Nav. M. Res. Inst.

Terzian, L. A., Saxe, L. H., & Lally, H. The effect of increased oxygen tension on Plasmodium gallinaceum malaria in chicks. 7p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X-150, U. S. Nav. M. Res. Inst.

Terzian, L. A., Stahler, N., & Weathersby, A. B. The action of antimalarial drugs in mosquitoes infected with Plasmodium gallinaceum. 15p. 26½cm. Bethesda, 1948.
Forms Rep. No. 8, Res. Proj. NM 007 007 (or, X-539) U. S. Nav. M. Res. Inst.

Action (The) of antimalarial drugs in mosquitoes infected with Plasmodium gallinaceum. Summaries Res. U. S. Nav. M.

Res. Inst., 1948, July, 6.—**Distribution** (The) of exoerythrocytic parasites and the tissue reaction caused by blood-induced Plasmodium gallinaceum infection in chicks. Ibid., 1945, July–Dec., 33.—**Influence** (The) of diet on the growth of plasmodium gallinaceum in the chick. Ibid., Jan.–June, 19.

—— P. ovale.

Irfan, M. [Plasmodium ovale] Askerî sıhhiye mecmuası, 1935, **64**: 38–45.—**Plasmodium** ovale in New Guinea. Bull. U. S. Army M. Dep., 1944, No. 81, 35.

—— Staining.

See also **Malaria,** Diagnosis.

Benjamin, H. B. Staining method for the determination of malarial parasites. Hosp. Corps Q., 1944, **17**: 60.—**Chernoff, A. H.** A rapid staining technique for the malarial parasites. Mil. Surgeon, 1943, **93**: 480.—**Fenton, J. C. B.,** & **Innes, J.** A staining method for malaria parasites in thick blood-films. J. Canad. M. Serv., 1945–46, **3**: 147–9.—**Fischer, W. J. H.,** jr. Rapid method for staining malarial parasites in thick and thin films simultaneously. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 98.—**Van Scyoc, G. P.** Modified rapid staining technic for malaria. Hosp. Corps Q., 1945, **18**: 47.—**Watson, R. B.** The enumeration of malaria parasites. Bull. U. S. Army M. Dep., 1944, No. 81, 99–101.—**Watt, J. Y. C.,** & **Blackburn, C. C.** Combination of Giemsa's and Field's stains for malaria parasites. Ibid., 1945, **4**: 601.

PLASTER of Paris [incl. dressing]

See also **Splint; Wound,** Treatment: Dressing.

Barbarin, P. La transformation de nos appareils plâtrés en chirurgie de guerre. Progr. méd., Par., 1916, 3. ser., **31**: 140.—**Bom, G.** Gipsovaja poviazka. In: Enciklˈ slovar voen. med., Moskva, 1946–48, **1**: 1271–80.—**Dekleva, D.** Zatvoreni gips i niegova namena. Voj. san. pregl., Beogr., 1945, **2**: No. 8, 30–4, 3 pl.—**Kulikova, A. I.** [The re-use of plaster bandages] Voen. san. delo, 1942, No. 10, 83.—**Romadina, A. P.** [Re-use of plaster bandages] Ibid., 1943, 74.—**Shibanova, K. A.** [Silt and plaster bandages] Ibid., 1942, No. 10, 81.—**Trouble** from tight plasters. Bull. Army M. Dep., Lond., 1943, No. 30, 5.

—— Apparatus, and devices.

See also **Fracture table; Orthopedics,** Apparatus; **Orthopedic table.**

Cleland, G. J. A plaster bandage-making machine. J. R. Army M. Corps, 1942, **79**: 101.—**Cozen, L.** A tautner for Kirschner wires in casts. Mil. Surgeon, 1939, **84**: 609.—**D'Abreu, F. A.** Apparatus for making plaster of Paris slabs. J. R. Army M. Corps, 1943, **80**: 327.—**Farrington, J. D.** Adoption of portable fracture table for application of shoulder spica casts. Mil. Surgeon, 1945, **96**: 96.—**Ferrell, B. E.** A walking appliance for plaster casts. U. S. Nav. M. Bull., 1941, **39**: 413–5, pl.—**Goeringer, C. F.** An aid to the handling of patients in hip spica casts; report of a case. Mil. Surgeon, 1946, **99**: 130–2.—**Harvey, R. K.** Device for making plaster of Paris reinforcements. Bull. U. S. Army M. Dep., 1945, No. 89, 118.—**Hipps, H. E.** Portable, simply-constructed plaster table for ship and advanced base use. Bumed News Lett., Wash., 1944, **3**: No. 9, 17.—**Levey, A.** Apparatus for making plaster of Paris bandages. J. R. Army M. Corps, 1944, **83**: 152–4.—**Modification** of the Telson rocker. Bull. U. S. Army M. Dep., 1944, No. 80, 5.—**O'Donnell, D.** Practical walking slipper for plaster cast. U. S. Nav. M. Bull., 1945, **45**: 360.—**Plaster** (The) cart. Bull. U. S. Army M. Dep., 1944, No. 74, 120.—**Sharpe, N. W.** A dependable bandage roller. Mil. Surgeon, 1919, **45**: 608.—**Walder, H. J., Knepper, P. A.,** & **Cook, R. L.** A machine for rolling plaster of Paris bandage. Bull. U. S. Army M. Dep., 1946, **6**: 198.—**Williams, A. L.** A simple and efficient plaster bandage roller. Hosp. Corps Q., 1943, **16**: No. 4, 82–5.

—— Indications and evaluation.

Bergeron, L. *Le pansement plâtré dans les plaies de guerre. 164p. 24cm. Par., 1940.

Dalmas, H. *Traitement des plaies et fractures de guerre par le plâtre fermé; étude critique à propos des observations recueillies sur les blessés de la guerre d'Espagne. 75p. 24cm. Marseille, 1939.

Perron, J. M. C. *Contribution à l'étude du traitement des fractures de guerre par les plâtres occlusifs. 31p. 24cm. Par., 1940.

Baillat, G. Le traitement des fractures de guerre par l'appareil plâtré occlusif. Rev. orthop., Par., 1939–40, 3. ser., **26**: 656–63.—**Bankart, A. S. B.** On the use of plaster of Paris for air-raid and other casualties. Practitioner, Lond., 1941, **146**: 154–61.—**Gasné, A.** A propos de l'emploi des appareils plâtrés totalement circulaires dans le traitement des blessures de guerre. Mém. Acad. chir., Par., 1940, **66**: 146–55.—**Kalachnikov, B. P.** Prostoj sposob vosstanovlenija otrabotannykh gipsovykh povjazok. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 261–8.—**Killian.** Ueber das Distraktionsgipsverfahren zur Behandlung von Knochenbrüchen mit Berücksichtigung der Feldversorgung. Med. Klin., Berl., 1940, **36**: 1264.—**Kravchenko, P. V.** Glukhaja gipsovaja povjazka pri lečenii ognestrelnykh perelomov bedra. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 194–202.—**Kreglinger, G.** Kriegschirurgische Erfahrungen über den Gipsverband im Felde und in den Heimat. In: Kriegschir. Ratgeber, Berl., 1941, 128–35. illust.—**Maitland, A. I. L.** The use of plaster of Paris in first aid or emergency treatment. J. R. Nav. M. Serv., 1943, **29**: 122–5.—**Meissner, P.** Die Bedeutung des Gipsverbandes für die vorderen Sanitätseinrichtungen. Münch. med. Wschr., 1943, **90**: 347–9.—**Plâtre** (Le) fermé et les fractures de guerre. Bull. internat. Serv. santé, Liége, 1940, **13**: 196–8.—**Zoltán, J.,** & **Wald, B.** Csonttörések functionalis kezelése a gipszrögzítés idején. Honvédorvos, 1950, **2**: 323–37, illust.

—— Splint.

See also **Splint.**

Gurevich, N. A. [Glycerine-plaster-of-Paris immovable bandages (splints), their preparation beforehand and application in time of war] Voen. med. J., Petrogr., 1915, **243**: Med. spec. pt, 25–8.—**Kazunin, F. A.** [A porous plaster splint for transport immobilization] Voen. san. delo, 1943, No. 11, 72.—**Luck, J. V.** Plaster of Paris casts and splints. Bull. U. S. Army M. Dep., 1944, No. 79, 44–9.—**Plaster** of Paris splinting. Bull. Army M. Dep., Lond., 1943, No. 21, 4.

—— Technic.

Rostock, P. Gipsverbandtechnik im Kriege. 52p. 22cm. Lpz., 1945.

Andre, H. Preparation of plaster of Paris bandages. Mil. Surgeon, 1945, **96**: 356–9.—**Arakawa, H.** Senzi Gips-hôtai daiyô-hin tokuni Gips-zinken ni tuite [The substitute in wartime for plaster bandages, especially the rayon plaster bandages] Ika-kikaigaku zassi, 1938–39, **16**: 225–32.—**Brittain, H. A.** The modern application of plaster of Paris. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 409–34. Also 2. ed., Balt., 1942, **2**: 591–616.—**Dorfman, L. L.** [Preparation of immobilization casts for evacuation hospitals] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 308–10. ——— [Rationalization of plaster bandages] Voen. med. J., Moskva, 1944, 83.—**Fitzpatrick, W. G. C.** A simple and economical method of preparing plaster of Paris bandages. J. R. Nav. M. Serv., 1936, **22**: 350.—**Neff, G.** Der Beckengipsverband; seine Improvisation im Felde. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 12–7.—**Padded** or unpadded plaster casts. Bull. Army M. Dep., Lond., 1944, No. 39, 3.—**Puckett, H. L.** A new bivalve plaster cast. U. S. Nav. M. Bull., 1934, **32**: 195–7, 2 pl.—**Sinadsky, N. E.** [Plaster casts in the hospital train] Voen. san. delo, 1942, No. 11, 28–32.—**Sullivan, C. R.** Hot or cold plaster casts with temperature control. Hosp. Corps Q., 1949, **22**: 32–4.—**Teischinger, R.** Technik des Gipsverbandes unter Frontverhältnissen. Deut. Militärarzt, 1942, **7**: 140–6.—**Trueta, J.** Plaster-of-Paris technique. In his Principl. & Pract. War Surg., S. Louis, 1943, 250–83, illust.—**Weddell, J. M.** The unpadded plaster cast. J. R. Army M. Corps, 1936, **67**: 217–21.—**Zohlen, E.** Beckengips in Gurtschwebe; zur Statik des Gipsverbandes. Deut. Militärarzt, 1943, **8**: 76–81.

—— Tobruk plaster.

Improved Tobruk plaster (Mark III) Bull. Army M. Dep. Lond., 1944, No. 39, 4.—**Marnham, R.** The Tobruk plaster. J. R. Army M. Corps, 1945, **85**: 281.

PLASTIC eye.

See **Eye,** artificial.

PLASTIC material.

See also **Denture,** Bridge.

Blum, G. Plastics for bone grafts, bone support and fracture pinning. Bumed News Lett., Wash., 1945, **5**: 12.—**Frantz, V. K.** New surgical plastics and hemostatics. In: Advance. Mil. Med., Bost., 1948, **1**: 182–5.—**Plastics** evaluation. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 157.

PLASTIC paint.

See under **Paint.**

PLASTIC surgery.

See also **Needle holder; Neurosurgery,** Methods; **Ophthalmology,** surgical; **Surgical technic,** reconstructive.

Alfredo, J. A cirurgia plástica aplicada às feridas de guerra. Rev. méd. Pernambuco, 1943, **13**: 1–10.—**Aufricht, G.** Reconstructive plastic surgery in war and peace. Tr. Soc. Plast. Surg., 1940, 9. meet., 17–20. ——— The rehabilitation program and plastic surgery. Plastic & Reconstr. Surg., 1946, **1**: 249–54.—**Blair, V. P.** The role of the plastic surgeon in the care

of war injuries. Ann. Surg., 1941, **113**: 697–704. Also Tr. South. Surg. Ass. (1940) 1941, **53**: 56–63.—**Brown, G. V. I.** Plastic surgical reconstruction in times of war and peace. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 63–6.—**Brown, J. B.** The plastic surgery of war wounds and burns. Delaware M. J., 1944, **16**: 35–8. ——— & **Cannon, B.** Military plastic surgery and its association witb orthopaedic surgery. In: Lect. Reconstr. Surg. (Am. Acad. Orthop. Surgeons) Ann. Arb., 1944, 212–6.—**Burian, F.** Uloha plastické chirurgie ve válce. Voj. zdrav. listy, 1949, **18**: 9–32.—**Burstein, T.** Plastic surgery in warfare. N. York Pbysician, 1940, **14**: No. 2, 42–5.—**Castañedo, J. A.** Cirurgía plástica veterinaria. Rev. san. mil., Habana, 1943, **7**: 231–3.—**Castillo Angulo, J. del.** La cirugía plástica, su relación con la cirugía de guerra. Mem. Convenc. méd. mil. mex., 1936, 372–5.—**Fernandes, A. P.** Breves considerações sôbre cirurgia plástica e reconstrutiva. Arq. brasil. med. nav., 1949, **10**: 1561–9.—**Friedman, G. A.** War time problems in plastic surgery. Proc. Rudolf Virchow M. Soc. N. York, 1947, **6**: 125–8.—**Gerrie, J. W.** Plastic surgery. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 8, 36–41.—**Greeley, P. W.** Current experiences in plastic surgery among naval personnel. Am. J. Surg., 1945, **67**: 401–11.—**Ivy, R. H.** Plastic surgery in combat and civilian casualties. Med. Ann. District of Columbia, 1944, **13**: 45–9. ——— & **Miller, H. A.** Plastic surgery. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 160–76.—**Kazanjian, V. H.** Plastic surgery. Bull. Am. Coll. Surgeons, 1943, **28**: 140.—**Kirkham, H. L. D., Mills, J. T., & Potter, L. E.** Plastic surgery as related to war surgery. Surg. Clin. N. America, 1943, **23**: 1603–11.—**Letterman, G. S., & Meloy, W. C.** Recent advances in plastic surgery. U. S. Armed Forces M. J., 1950, **1**: 165–72.—**Maeda, T.** Sensyō-sya no seikei-syuzyutu ni tuite [Plastic surgery on the war-wounded] Iryō, 1946–48, **1**: No. 2, 1–5.—**Maliniac, J. W.** Plastic surgery in war; preparedness of the profession at large. Tr. Soc. Plast. Surg., 1940, 9. meet., 21–3.—**Marino, H.** Cirugía plástica en la guerra actual. Bol. Soc. cir. Uruguay, 1945, **16**: 311–21. Also Arch. urug. med., 1946, **28**: 197–207. ——— Cirugía plástica de guerra. Rev. As. méd. argent., 1945, **59**: 1373–6.—**Mazzi, L.** Un anno di chirurgia plastica di guerra; osservazioni e considerazioni. Gior. med. mil., 1942, **90**: 197–206.—**Plastic** surgery. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 24, 12. Also Hosp. Corps Q., 1946, **19**: No. 3, 14–7.—**Prudente, A.** Cirurgia plástica e guerra. Impr. méd., Rio, 1943, **19**: No. 357, 39–58.—**Straatsma, C. R.** Plastic and reconstructive surgery. Mil. Surgeon, 1945, **96**: 255–7.—**Updegraff, H. L.** Emergency plastic surgery. Ibid., 1938, 82: 315–21.—**Zwanck, T.** Cirugía plástica; su interés médico-militar. Rev. mil., B. Air., 1942, **42**: pt 2, 719–26.

—— Congress.

[Europe] Congresso europeo di chirurgia plastica di guerra [Roma, 1942] Atti. 481p. 25cm. Roma, 1943.

Europäischer Kongress für plastiscbe Kriegschirurgie. Klin. Wschr., 1942, **21**: 1092.

—— History.

Blair, V. P. Experiences in plastic surgery during the World War. Tr. Soc. Plast. Surg., 1940, 9. meet., 14–6.—**Brown, G. V. I.** Problems that confronted a plastic surgeon in tbis country during the first World War. Ibid., 24–7.—**Davis, J. S.** Plastic surgery in World War I and in World War II. Ann. Surg., 1946, **123**: 610–21. Also Plastic & Reconstr. Surg., 1946, **1**: 255–64. Also Tr. South. Surg. Ass. (1945) 1946, **57**: 141–52.—**Galeazzi-Lisi, R.** La cirugía plástica estética en Italia. Rev. españ. med. cir. guerra, 1939, **2**: 414–7.—**Johnson, L. W.** Plastic surgery in relation to tbe Armed Forces; past, present and future. Mil. Surg., 1936, **79**: 90–102.

—— Material.

Nunn, L. L. Cartilage banks. Bull. U. S. Army M. Dep., 1944, No. 74, 99–101.—**O'Connor, G. B.** Establishment of cartilage depots for military and civilian use. Am. J. Surg., 1942, **58**: 313.

—— Organization of service.

United States. Veterans Administration. Technical bulletin TB 10A–64: Designated plastic surgery centers. 2p. 27cm. Wash., 1947.

——— Technical bulletin TB 10A–119: Designated plastic surgery centers. 2p. 27cm. Wash., 1948.

Brown, J. B. Plastic surgery for war wounds. Bull. Johns Hopkins Hosp., 1944, **74**: 268.—**Gordon, R. A.** Anaesthesia in the Plastic Surgery Unit Canadian Army overseas. Bull. Acad. M. Toronto, 1945–46, **19**: 233–7.—**History** of the R. C. A. F. Plastic Surgery and Jaw Injury Unit. J. Canad. M. Serv., 1946–47, **4**: 90–4.—**Ivy, R. H., Kirkham, H. L. D.** [et al.] Plastic and reconstruction surgery. Clinics, 1943–44, **2**: 1165–93.—**Kirk, N. T.** A correction to the editorial, War organization of plastic surgery by J. W. Maliniac; a division of plastic surgery in the Army. Am. J. Surg., 1943, **62**: 2.—**Maliniac, J. W.** Plastic surgery in war; preparedness of tbe profession at large. Med. Rec., N. Y., 1941, **154**: 325. ——— War organization of plastic surgery. Tr. Am. Soc. Plastic Surg., 1942, 11. meet., 115–8. Also Am. J. Surg., 1943, **61**: 313–5.—**Novachenko, N. P.** Osnovnye voprosy vosstanovitelnoj khirurgii organov opory i dviženija na sovremennom etape. Vracb. delo, 1945, **25**: 587–92.—**Tanzer, R. C.** Plastic surgcry in a military bospital. N. England J. M., 1946, **235**: 852–5.

—— Technic.

See also **Surgical technic.**

Aschan, P. E. Plastisch-chirurgische Operationen bei Kriegsverletzungen. Deut. Militärarzt, 1944, **9**: 142–6. ——— Plastikkirurgi vid krigsskador. Nord. med., 1944, **22**: 933–9, illust. ——— Plastisk kirurgi vid krigsskador. Ibid., 1132, illust.—**Balkin, S. G.** Principles of plastic surgery. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, **2**: 219–29.—**Betelman, A. I.** Formirujuśćie apparaty pri plastike mjagkikh tkanej podborodoćnoj oblasti. In: Tr. Konf. rabot cheliust. khir. evakohosp., Moskva, 1945, 69–73.—**Bogoraz, N., & Kolen, A.** Plastićeskie operacii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 569–79.—**Butikova, N. I.** Plastika bolśikh defektov prirotovoj oblasti filatovskim steblem. In: Tr. Konf. rabot. cheliust. kbir. evakohosp., Moskva, 1945, 73–8.—**Chambers, J. V.** Plastic reconstruction of lip following gunshot wound. U. S. Nav. M. Bull., 1946, **46**: 588–90.—**Converse, J. M.** Orthopaedic aspects of plastic surgery; tbe early replacement of skin losses in war injuries of the extremities. Proc. R. Soc. M., Lond., 1940–41, **34**: 791–800.—**Erczy, M.** Filatov-féle lebenyplasztikák. Honvédorvos, 1950, **2**: 53–67, illust.—**Evdokimov, A. I.** Plastika gub. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 48–51.—**Gabarro, P.** Cirugía plástica; la apreciación del defecto real en el tratamiento reparador de las cicatrices. Rev. san. mil., B. Air., 1941, **40**: 923–6.—**Gordon, J.** Hair-line suturing in casualty work. Lancet, Lond., 1941, **1**: 788.—**Herlyn, K. E.** Zur plastischen Behandlung von Kriegsverletzungen. Med. Klin., Berl., 1943, **39**: 747.—**Ivanov, A. F.** Filatovskij stebel v plastike obśirnykh defektov podborodka. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 63–9.—**Ivy, R. H.** Plastic and maxillofacial surgery. Surg. Clin. N. America, 1941, **21**: 1583–92.—**Johnson, L. W.** Cases illustrating maxillo-facial and plastic surgery. U. S. Nav. M. Bull., 1928, **26**: 843–61, 22 pl.—**Kosykh, S. F.** Metody vosstanovitelnoj khirurgii pri stojkikh izmenenijakh lica i éeljustej posle ognestrelnykh ranenij. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 10.—**Kubányi, E.** Fagyott végtagu katonák lágyrészhiányainak pótlása nyeles-lebeny áltültetéssel. Orv. hetil., 1944, **88**: 169.—**Limberg, A. A.** Teoria planirovanija mestno-plastićeskikh operacij na kože primenitelno k ispravleniju rubcovykh iskaženij. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 36–43.—**Longard.** Ueber Plastiken. Deut. mil. ärztl. Zschr., 1917, **46**: 335–47.—**Lumière, A.** Application des lois de la cicatrisation des plaies cutanées à l'étude des réparations des blessures de guerre. Ann. Laborat. A. Lumière pbysiol., 1939, 100–2.—**McIndoe, A. H.** Skin grafting in wounds involving skin loss. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 171–82.—**Marziani, R.** Trapianti di cute negli esiti del congelamento di III grado ai piedi. Atti Congr. europ. chir. plast. guerra (1942) 1943, 377–90.—**Matuki, M.** Sensyō-sei izyō kōgō seihuku syuzyutu ni kansuru kenkyū [Studies on plastic operation (surgery) for abnormal occlusion due to war wounds] Kōkūbyōgakkai zassi, 1941, **15**: 487–9.—**Matumoto, H., Matuki, M., & Nakamura, H.** Indo-bō no yoru sensyō kyōsin-bu kesson seikei syuzyutu seiseki [Results in plastic operation by the Indian metbod on war wounds resulting in lack of cheek or lip] Ibid., 1939, **13**: 515.—**May, H.** The correction of scars. In: Rehabil. War Injured (Doberty, W. B., & Runes, D. D.) N. Y., 1943, 200–9.—**Mykhin, M. V.** Sravnitelnaja ocenka metodov plastićeskogo vosstanovlenija defektov podborodoćnoj oblasti. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 43–8.—**New** faces for the shell-torn faces of soldiers. Sc. American, 1918, **118**: 383.—**Oberdorfer, A. Z.** Primary skin graft for repair of traumatic skin loss; report of a case. U. S. Nav. M. Bull., 1944, **42**: 695.—**Parin, B. V.** [Skin plastics in war injuries] Sovet. med., 1944, 8: No. 7, 4–8.—**Prudente, A.** Transplante músculo-cutâneo e sua importancia em cirurgia de guerra. Rev. paul. med., 1943, **22**: 435. ——— Transplante livre de músculo e sua aplicação em cirurgia de guerra. Ibid., **23**: 344.—**Rebêlo Neto, J.** A cirurgia plástica em tempo de guerra; como manejá-la, nos ferimentos da face, pescoço e cabeça? An. paul. med. cir., 1944, **47**: 334–8.—**Ross, M.** New faces for old; how a Boston sculptor is putting life into copper features for soldiers. Survey, N. Y., 1918, **39**: 707.—**Sanvenero-Rosselli.** Mutilati del viso e chirurgia plastica in tempo di guerra. Boll. mal. orecchio, 1941, **59**: 151. ——— Chirurgia plastica del viso di pace e di guerra. Rass. internaz. clin. ter., 1942, **23**: 321.—**Schimka, V.** Classifica sommaria delle lesioni di guerra suscettibili d'interventi di chirurgia plastica. Chir. plast., Roma, 1939, **5**: 174–6.—**Schneider, S. L.** Loskut-sito v soćetanii s drugimi metodami kožnoj plastiki, kombinirovannaja metodika. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 87–90, illust.—**Shatunovskaja, E. G.** Ustrancnie obśirnykh defektov lica Filatovskim steblem. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 60–3.—**Snejder, A. L.** Ajak-plasztika lövési sérülés után. Honvédorvos, 1950, **2**: 448 (Abstr.)—**Sovena, E.** Sul trattamento di esiti di congelamento di terzo grado dei piedi con autoplastica all'italiana. Atti Congr. europ. chir. plast. guerra (1942) 1943,

395–9.—**Sutton, L. E.** Plastic surgery in the treatment of war casualties. Am. J. Surg., 1943, **61**: 239–43.—**Tikhomirov, P. E.** Plastika vek. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 194–8.—**Velikanova, M. M.** Plastićeskoe vosstanovlenie ognestrelnykh defektov i deformacii lica. Ibid., 55–60.—**Voronov, N. S.** Opyt svobodnoj peresadki kožži na svežerassećennye ognestrelnye rany. Vest. khir., 1946, **66**: No. 5, 51.—**Zsuhovickij, M. S.** Lövéses eredetű csonthiányok csontplasztikájának kérdéséhez. Honvédorvos, 1950, **2**: 176 (Abstr.)

PLATE, acrylic.

See **Neurosurgery, Methods: Brain and cranium.**

PLETHYSMOGRAPHY.

See **Centrifugal force, Biological effect; Pulse.**

PLEURA.

See also **Lung; Thorax.**

Criep, L. H. Primary pleural mesothelioma; with report of a case. U. S. Veterans Bur. M. Bull., 1927, **3**: 919–24, 6 pl.—**D'Alessandro, R.** Le pleuropatie nell'esercito. Ann. med. nav., Roma, 1934, **40**: pt 2, 696–703. Also Gazz. osp., 1934, **55**: 1470–5. Also Gior. med. mil., 1934, **72**: 1132–44. Also Morgagni, 1934, **76**: 1465–8. Also Policlinico, 1934, **41**: sez. prat., 1818.—**Farrell, D. F., Blumberg, J. M.** [et al.] [Malignancy of the pleura] Bull. U. S. Army M. Dep., 1949, **9**: 688–94.—**Kuznecova, S. M.** [Wounds of the thorax which involve the pleura] Voen. san. delo, 1941, No. 12, 50–3.—**Lebedev, V. A.** Gryźa plevry. Voen. med. J., S. Peterb., 1912, **234**: Med. spec. pt, 408.—**Massone, G.** Diagnostica radiologica delle sclerosi pleuriche. Gior. med. mil., 1927, **75**: 423–33.—**Ontaneda, L. E., & Pasqualini, R. Q.** La sifilis de la pleura. Rev. san. mil., B. Air., 1934, **33**: 241–51.—**Ravich-Shcherbo, V., & Velikorecky, A.** Plevra. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 579–83, pl.—**Savič, V.** [Pleural adhesions and their clinical significance] Voj. san. glasnik, 1935, **6**: 303–26, 5 pl.

—— Calcification.

Beverly, S. S. Calcareous pleurisy. Med. Bull. Veterans Admin., 1936, **13**: 277.—**Boswell, J. R., & Dredge, T. E.** Calcification of the pleura; two cases. Ibid., 1940–41, **17**: 75–7.—**Cace, M.** Contributo allo studio radiologico delle calcificazioni pleuriche e importanza medico-legale del referto. Ann. med. nav., Roma, 1938, **44**: 549–56, 2 pl.—**Coic, A.** Calcifications de la plèvre. Arch. méd. pharm. mil., 1933, **99**: 677–86, 4 pl.—**Huraux, C.** Sur deux cas de calcification pleurale. Rev. méd. nav., Par., 1948, **3**: 311–5.

PLEURAL cavity.

Brock, R. C. Drainage of the pleura. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 295–301.—**Halperin, A. J.** Slučaj ekhinokokka plevralnoj polosti. Voen. med. J., S. Peterb., 1908, **221**: Med. spec. pt, 21–30.—**Jacobson, J.** Penicillin in intrapleural infection. U. S. Nav. M. Bull., 1946, **46**: 97–102.—**Maeda, K.** Rokumaku-kō no kyūsyū ni kan-suru zikken-teki kenkyū [Experimental study on absorption of fluid in the pleural cavity] Kaigun gun-ikai zassi, 1928, **17**: 212; 264.—**Mowrey, F. H.** Thoracic inlet tumor (Pancoast syndrome) a case report and review. Bull. U. S. Army M. Dep., 1949, **9**: 755–9.—**Velasco, R. N.** Drenaje irreversible de la cavidad pleural. Rev. san. mil., B. Air., 1938, **37**: 500–8.

—— Empyema.

Dunham, E. K. Empyema; epidemiology. p.48–141. 26cm. Wash., 1924.

In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2.

Levitt, A. M., & Levitt, E. M. Эмпиема плевры при огнестрельных ранениях груди. p.13–87. 26½cm. Moskva, 1950.

In: Opyt sovet. med. Velik. otečestv. vojne, Moskva, 1950, **10**:

Schumm, W. *Ueber Pleuraempyeme nach Kriegsverletzungen [Berlin] 15p. 21cm. Günzburg, 1938.

Stevens, F. A. The rôle of the Roentgen-ray laboratory in the study and treatment of empyema. p.206–60. 26cm. Wash., 1924.

In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2.

United States. Army. Camp Custer. Empyema Board. Empyema at Camp Custer, September 1917, to June, 1918. p.1–33. 23cm. Wash., 1918.

Rev. War Surg. & M., 1918, **1**: No. 9.

United States. Army. Empyema Commission. Preliminary report on cases of empyema at Camp Lee, Va., June 28, 1918. p.3–40. 23cm. Wash., 1918.

Rev. War Surg. & M., 1918, **1**: No. 6.

Abeken, F. G. A case of empyæma. U. S. Nav. M. Bull., 1907, **1**: 161; 1908, **2**: No. 3, 38, pl.—**Brooks, H., & Cecil, R. L.** A study of the empyemas at Camp Upton. Med. Rec., N. Y., 1918, **93**: 1066. ——— A study of eighty cases of empyemas at Camp Upton. Tr. Ass. Am. Physicians, 1918, **33**: 83–107.—**Campbell, W. F.** The empyema problem. Long Island M. J., 1920, **14**: 1–5; Disc., 50–3.—**Cases** of empyema at Camp Lee, Va.; preliminary report by The Empyema Commission. J. Am. M. Ass., 1918, **71**: 366; 443.—**Cuono, J. D.** The prevention of chronic empyema. U. S. Nav. M. Bull., 1944, **42**: 879–83.—**Cvitanović, D., & Javanović, B.** [Pleural empyema; study of 130 cases] Voj. san. glasnik, 1933, **4**: 77–106.—**Dunham, E. K.** The collection and utilization of special data concerning empyema in the Army within the United States. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 34–47. ——— Empyema; pathology. Ibid., 142–69, 4 pl., 2 tab.—**Empyema.** Rev. War Surg. & M., 1919, **2**: 1–15.—**McDonald, L. E.** Thoracic empyema. U. S. Nav. M. Bull., 1929, **27**: 339–43.—**Michael, W. H.** Postpneumonia empyema. Mil. Surgeon, 1931, **69**: 413–8.—**Pailloz.** Résultats de 20 empyèmes pour pleurésie purulente. Bull. Soc. méd. mil. fr., 1909, **3**: 381; 459.—**Rosenfeld, S. S.** Observations on empyema thoracis in Camp Hospital No. 26, 1918–19. Med. Rec., N. Y., 1919, **96**: 505.

—— Empyema: Treatment.

See also **Pleurisy.**

Keller, W. L. The surgical treatment of the refractory empyema cavities. p.320–92. 26cm. Wash., 1924.

In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2.

Bartolomey, R., & Beitz, J. Zur Empyembehandlung. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 157–62.—**Battaglia, B.** Treatment of empyema. U. S. Nav. M. Bull., 1945, **44**: 763–72.—**Brock, R. C.** Some points in the treatment of empyema. J. R. Nav. M. Serv., 1934, **20**: 136–63. ——— Chest surgery in war; drainage of the pleura. Brompton Hosp. Rep., Lond., 1941, **10**: 1–7.—**Brown, R. B., & Moxon, R. K.** The nonoperative treatment of acute empyema thoracis with penicillin; a discussion of its limitations and subsequent surgical management of its failures. U. S. Nav. M. Bull., 1948, **48**: 513–27.—**Carrel-Dakin** (The) technique in the treatment of empyema. Ibid., 1920, **14**: 527–36, 16 pl.—**Casella, D.** Il metodo Delorme-Donati (decorticazione e pneumopessia totale) nella cura dell'empiema cronico fistolizzato. Gior. med. mil., 1926, **74**: 79–86.—**Dunham, E. K.** Treatment of empyema cavities with antiseptic solutions. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 170–205, 4 pl.—**Ellis, C. J., & Churney, O. L.** The surgical treatment of thoracic empyema. Army M. Bull., 1942, No. 64, 98–103.—**Flynn, S. E.** Penicillin in the treatment of empyema following lobar pneumonia. U. S. Nav. M. Bull., 1944, **43**: 353.—**Freed, H., Haley, S. W., & Stephenson, W. O.** Thoracotomy for empyema complicating pneumonia; analysis of end results in 100 consecutive cases. U. S. Veterans Bur. M. Bull., 1928, **4**: 22–6.—**Gonejero, A.** Cirugía de los derrames purulentos pleurales. Rev. san. mil., Madr., 1920, 3. ser., **10**: 394–400.—**Graham, E. A.** The surgical treatment of empyema in the acute and chronic stages. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 285–319.—**Hebraud, Y.** Réalisation pratique de l'aspiration forcée continue dans le traitement des pyothorax. Rev. méd. nav., Par., 1946, **1**: 329–37, pl.—**Local** injection of penicillin in treatment of pneumococcal empyema. Bumed News Lett., Wash., 1945, **5**: No. 3, 15.—**McGraw, A. B., & Jackson, H. C.** Penicillin-sterile empyema. U. S. Nav. M. Bull., 1946, **46**: 1429–38.—**Metcalf, C. J.** Penicillin in the treatment of streptococcal empyema. Ibid., 1945, **45**: 926–9.—**Nehmann, F.** Zur Frage der Drainage bei Thoraxschussempyemen. Deut. Militärarzt, 1943, **8**: 665.—**Palmer, I.** [Certain view points on the diagnosis and therapy of pleural empyema] Tskr. mil. hälsov., 1936, **61**: 187–96.—**Soler y Garde, F.** Empiema izquierdo; pleurotomía con resección costal; curación. Med. mil. españ., 1897–98, **4**: 153–5.—**Squirru, C. M.** Pioneumotorax maligno; postneumotórax terapéutico, infiltrado precoz tuberculoso. Rev. san. mil., B. Air., 1940, **39**: 113–33.—**Streptomycin** therapy in chronic non-tuberculous empyema. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 6, 11.—**Voloshin, J. M.** [Surgical tactics in gunshot chronic empyemas] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 189–98.—**Ward, G. L.** Sulphonamide resistant pneumococcal loculated empyema treated with penicillin. J. R. Nav. M. Serv., 1946, **32**: 132–6.—**White.** Penicillin in prevention of postoperative empyema following lung resection. Bumed News Lett., Wash., 1945, **5**: 7.

PLEURISY.

See also **Pneumonia; Tuberculosis.**

Halkett, N. M., & Sanders, J. L. Final report on study of pleurisy with effusion in war pensioners. Treatm. Serv. Bull.,

Ottawa, 1949, 4: No. 8, 10.—**Trail, R. R.** The significance of pleurisy and pleural effusion with particular reference to the fighting services. Tubercle, Lond., 1942, 23: 182.

—— Clinical aspect.

Alfano, V. Dell'orticaria pleuritica. Ann. med. nav., Roma, 1935, 41: pt 2, 887–96.—**Blan, P.** Pleurésies silencieuses. Bull. Soc. méd. mil. fr., 1947, 41: 102–5.—**Hauchman, S. L.** [Clinical peculiarities of exudative pleurisy in Leningrad in 1942] Raboty Leningr. vrach. za god Otechest. voiny, 1943, 3: 73–8.—**Haulon, J.** Sur un cas de pleurésie contractée pseudotumorale. Rev. méd. nav., Par., 1948, 3: 97–100.—**Noma, N.** Sekkekkyū-tinkō-sokudo yori mitaru kyōmakuen no rinsyō keika [Die Blutsenkungsreaktion und der klinische Verlauf der Pleuritis] Kaigun gun-ikai zassi, 1937, 26: 193–203.—**Ors Pérez, J. P. d'.** Algia abdominal que simula apendicitis, en una pleuritis; nota clínica médica. Med. & cir. guerra, 1949, 11: 43.—**Pilod, Boidé, & Henri.** Epanchement pleural séro-fibrineux lymphocytaire au début d'une pneumopathie aiguë. Bull. Soc. méd. mil. fr., 1935, 29: 51–4.

—— Diagnosis.

Hatakeyama, I. Kyōmakuen kyōeki saihō-zō no igi ni kansuru rinsyō-teki narabi-ni zikken-teki kenkyū [Clinical and experimental studies on the significance of the cells in the pleural liquid in pleurisy] Kaigun gun-ikai zassi, 1939, 28: 539–54.—**Motillon.** A propos d'une particularité de certaines images d'épanchement pleural en radioscopie. Bull. Soc. méd. mil. fr., 1947, 41: 133.—**Nosaka, K.** Kyōmakuen sensi-eki no kin-sol hannō ni tuite [Ueber Goldsolreaktion im pleuritischen Exsudate] Gun idan zassi, 1932, 99–116.—**Ricci, A.** Un sintomo rivelatore di versamento pleurico nel seno costo-diaframmatico. Gior. med. mil., 1939, 87: 906.—**Sakurai, T., & Nagasige, E.** Hai-kekkaku narabi-ni kyōmakuen no syūdan-teki sōki hakken ni tuite; hu, kaigun kyōmakuen hassei no kiten wo ronzu [The discovery of early cases of pulmonary tuberculosis and pleurisy in a mass existence; appendix, development of pleurisy among sailors in the Navy] Kaigun gun-ikai zassi, 1938, 27: 363–8, pl.—**Teti, D.** Diagnosi e terapia precoce della pleurite; influenza del cloruro di calcio sul potere assorbente della pleura. Gior. med. mil., 1937, 85: 399–407.

—— Disposition.

Disposal of cases of pleurisy with effusion. Bull. Army M. Dir., Lond., 1941, No. 5, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 33.—**Disposition** of pleurisy cases. Statist. Navy M., 1948, 4: No. 10, 2–5.

—— Etiology.

See also **Tuberculosis.**

Schneitter, G. *Ueber die Pleuritis und ihre Beurteilung durch die cidgenössische Militärversicherung [Zürich] 35p. 21cm. Bascl, 1944.

Uzie, K. Tuberculin hannō to kyōbu x-sen-zō to no kenkyū; hu, kaigun kyōmaku-en no hassei ni tuite [Studies on tuberculin reaction and roentgenograms of the chest; supplement, development of pleurisy in the Navy] [57]p. 25½cm. Tokyo, 1933.

Zissen irigaku, 1933, 3: 375; 464; 569.

Aujaleu & Chon. Pleurésie séro-fibrineuse à frigore non tuberculeuse. Bull. Soc. méd. mil. fr., 1939, 33: 248–51.—**Bogdan, G.** [Pleural rheumatism with extra systolic arrhythmia] Rev. san. mil., Bucur., 1931, 30: 197–204.—**Hatakeyama, I.** Vitamin B_1 ketubō no kyōmakuen hassei ni oyobosu eikyō ni kan-suru zikken-teki kenkyū [Experimental studies on the effect of Vitamin B_1 deficiency on the development of pleurisy] Kaigun gun-ikai zassi, 1939, 28: 291; 390, 3 pl.—**Hatch, E. D.** Pleurisy with effusion and its relation to tuberculosis. Med. Bull. Veterans Admin., 1933, 10: 133–7.—**Hukada, K.** Kyōmakuen kanzya no taikaku ni kan-suru kenkyū [Contribution to the study of physical constitution in pleurisy patients in the Navy] Kaigun gun-ikai zassi, 1932, 21: 187–96.—**Katō, S.** Guntai kyōmakuen hassei to heigyō to no kankei ni tuite no tōkei-teki kenkyū [Statistische Untersuchungen über den Zusammenhang zwischen Militärdienst und Pleuritis] Gun idan zassi, 1933, 155–96, 2 tab.—**Lafont, M.** Pleuritis reumática; enfermedad de Bouillaud. Rev. san. mil., Madr., 1935, 25: 215–22.—**Maeda, S.** Taihei no tuberculin hi-nai hannō to kyōmakuen to no kankei ni tuite [On the relation between the intracutaneous tuberculin reaction and the pleurisy of soldiers] Gun idan zassi, 1931, 2385–404.—**Masselot, I.** La pleurésie séro-fibrineuse dans les antécédents des tuberculeux pulmonaires. Rev. Corps san. mil., Par., 1946, 2: 107–21.—**Ontaneda, L. E., & Rottjer, E. A.** La pleuresia sero-fibrinosa en el estadio sub-primario de la tuberculosis. Rev. san. mil., B. Air., 1934, 33: 519–35.—**Schreiber, M. G.** Anaerobnyj plevrit posle ognestrelnykh ranenij grudi. In: Opyt sovet. med. Velik. otec. vojne, Moskva, 1950, 10: 88–100.—**Vraćević, M.** [Significance of exudative pleurisy in early diagnosis of pulmonary tuberculosis] Voj. san. glasnik, 1936, 7: 141–3.

—— Incidence.

Garofali, F. Le pleuriti essudative nei militari e l'opera di prevenzione nei premilitari. Gior. med. mil., 1937, 85: 297–301.—**Huzigawa, K., Hara, S., & Ogawa, M.** Taisyō zyūiti nen hohei dai gozyū-iti rentai ni okeru tahatu-kyōmakuen tyōsa hōkoku [Report on the investigation on double pleurisy among the infantry troops of the 51st regiment in 1922] Gun idan zassi, 1924, 161–205.—**Incidence** of pleurisy. Statist. Navy M., 1948, 4: No. 9, 2–5.—**Katō, S.** Kyōmakuen no tōkei-teki kansatu [Statistical observations on pleurisy] Kaigun gun-ikai zassi, 1937, 26: 1–13.—**Momose, B.** Guntai kyōmakuen no gen-in oyobi yogo ni kan-suru kenkyū [Studies in causes and after-effects of pleurisy in army regiments] Gun idan zassi, 1928, 984–91.—**Noda, T.** Sasebo kaihei-dan ni hassci-sitaru kyōmakuen no tōkei-teki kansatu [Statistical observation of pleurisy cases in Sasebo Naval Barracks] Kaigun gun-ikai zassi, 1935, 24: 276–84.—**Pasqualini, R. Q., Lascalea, M. C.** [et al.] Brote epidémico de pleuresia serofibrinosa. Rev. san. mil., B. Air., 1944, 43: 999–1009.

—— Pathology.

Japan. Rikugun. Guntai Kyōmaku-en tyōsa-kai. Guntai Kyōmaku-en tyōsa-kai kiso tyōsa-han dai-iti-nendo sagyō hōkoku [First annual report of the basic investigation squad of the Army Society for the Investigation of Pleurisy] 220p. 26cm. Tōkyō, 1927.

Tanaka, G. Kyōmakuen sinsyutu-eki oyobi-kenkō-sya kyōkō-eki no kesseigaku-teki kenkyū [Serological studies on the exudate of pleurisy and the thoracic fluid of the healthy person] p.1–69. 22cm. Tōkyō, 1924.

Gun idan zassi, 1924.

Asaka, S. Kyōmakuen no eikyū-teki yogo ni tuite [Ueber den wahren Ausgang der Pleuritis] Gun idan zassi, 1913, 392–403.—**Becherescu, Capruciu, G., & Ionescu.** Asupra unui caz de pleurezic putridă operație-vindecare. Rev. san. mil., Bucur., 1935, 34: 362–6.—**Hatakeyama, I.** Tyomei no kekkōsyōgai wo tomonaeru zyūkaku-tō kyōmakuen no iti rei [A case of mediastinal pleurisy complicated by an unusual circulatory disturbance] Kaigun gun-ikai zassi, 1940, 29: 614–9, 2 pl.—**Iwahasi, T.** Kyōmakuen (hutū-kei) no ketueki zō [Condition of the blood in pleurisy (ordinary type)] Gun idan zassi, 1925, 703–27.—**Kutukake, A.** Sinsyutu-sei kyōmakuen no iti bōken rei tuika [Appendix to report on an autopsy case of exudative pleurisy] Kaigun gun-ikai zassi, 1938, 27: 357–62, pl.—**Morelli, M.** Sulla eosinofilia dei versamenti pleurici. Gior. med. mil., 1935, 83: 434–50.—**Pezzi, G.** La morte improvvisa nei pleuritici. Ann. med. nav., Roma, 1946, 51: 144–8.—**Sōma, D.** Sōtei ni okeru kyōmakuen keika-sya no tōkei-teki kansatu [Statistical observations on the progress of pleurisy in conscripts] Gun idan zassi, 1929, 419–32.—**Yosida, K.** Kyōmakuen ni okeru syokubutu-sei sinkei-keitō no kinō ni tuite [The function of the vegetative nervous system in pleurisy] Kaigun gun-ikai zassi, 1931, 20: 337–43.

—— suppurative and/or putrid.

See also **Pleural cavity,** Empyema.

Baur, F. Le traitement des pleurésies purulentes. Bull. Soc. méd. mil. fr., 1922, 16: 45–7.—**Brouard.** Myélite aiguë transverse au cours d'une pleurésie purulente à pneumocoques. Ibid., 1935, 29: 283–7.—**Delaborde.** Pleurésie purulente à streptocoques traitée par les injections intra-pleurales de collargol. Ibid., 1910, 4: 231.—**Dubujadoux.** Un cas de pleurésie purulente bilatérale. Ibid., 360–6.—**Eyssèric.** Le traitement des pleurésies purulentes. Ibid., 1922, 16: 133.—**Février, L.** Pleurésie purulente double; épanchement volumineux à gauche traité par la pleurotomie; épanchement modéré à droite traité par la thoracentèse; guérison. Arch. méd. pharm. mil., 1909, 53: 33–9.—**Gary, T.** Étude sur la pleurésie purulente interlobaire métapneumonique. Ibid., 1910, 56: 81–107.—**Gauthier, A.** Traitement de la pleurésie purulente. Bull. Soc. méd. mil. fr., 1910, 4: 225–30.—**Gourmy & Ouin.** Abcès sous-diaphragmatique droit, extrapéritonéal, à staphylocoque blanc; évolution thoracique, avec vomique et pleurésie purulente enkystée de la base; pleurotomie suivie d'incision lombaire; drainage; guérison. Ibid., 1912, 6: 668–70.—**Gruët, E., & Bressot, E.** La pleurotomie simple dans la pleurésie purulente. Caducée, Par., 1910, 10: 6.—**Heuraux & Delatour.** Pleurésies à streptocoque et sérothérapic. Bull. Soc. méd. mil. fr., 1938, 32: 493–7.—**Le Mer, G., & Liscoët, R.** Pleurésies purulentes à streptocoques traitées par le rubazol. Ibid., 1937, 31: 237–41.—**Moty.** Traitement de la pleurésie purulente; pleurotomie par incision verticale postérieure. Ibid., 1910, 4: 297–304.—**Mourron, E.** Un cas de suppuration chronique de la plèvre interlobaire; guérison sans intervention chirurgicale, au moyen d'injections modificatrices. Arch. méd. nav., Par., 1910, 94: 197–204.—**Paitre & Germain.** Un cas de phrénicectomie pour comblement de la poche d'une pleurésie purulente enkystée et fistulisée. Bull. Soc. méd. mil. fr., 1929, 23: 46.—**Plisson, L.** Note au sujet du traitement des pleurésies purulentes aiguës d'origine médicale non tuberculeuses et des fistules pleurales consécutives à l'empyème comme traitement de ces lésions.

Ibid., 1926, **20**: 218–29.—**Ruotte.** Sur le traitement de la pleurésie purulente. Ibid., 1910, **4**: 271–3.—**Sant Arius, K.** [Treatment of purulent pleurisy] Lek. wojsk., 1936, **27**: 679–85.—**Vascoboinic, H.** [Treatment of acute purulent pleurisy] Rev. san. mil., Bucur., 1933, **32**: 154–62.—**Vidal.** Pleurésie purulente; pleurotomie; mort subite après l'intervention. Bull. Soc. méd. mil. fr., 1910, **4**: 366–70.—**Vincent, H.** Traitement curatif de la pleurésie purulente à streptocoques par les injections intra-pleurales d'argent colloidal. Ibid., 1909, **3**: 50–5.—**Wavelet.** Traitement de la pleurésie purulente. Ibid., 1910, **4**: 356–60.—**Worms, G.** Du traitement des pleurésies purulentes. Ibid., 1924, **18**: 139.—**Zielinski, L., & Puszkiewicz, R.** [Data on purulent pleurisy from regional Military Hospitals for 1932–34] Lek. wojsk., 1936, **27**: 664–70.—**Zoeller, C., & Gauch.** Sur trois cas de pleurésie purulente à streptocoques guéris sans pleurotomie. Bull. Soc. méd. mil. fr., 1927, **21**: 116–27.

—— Treatment.

Bates, C. The treatment of pleuritic pains by galvanism. U. S. Veterans Bur. M. Bull., 1929, **5**: 961–3.—**Billet, T., & Bressot, E.** De l'autosérothérapie dans le traitement de la pleurésie séro-fibrineuse. Bull. Soc. méd. mil. fr., 1910, **4**: 220–5.—**Eytinge, E. O. J., & McGuire, L. W.** A case of autoserotherapy. U. S. Nav. M. Bull., 1911, **5**: 351.—**Huzihira, Y.** Saikin ni okeru kyōmakuen no tiryō-hō ni tuite [Recent methods of treatment of pleurisy] Gun idan zassi, 1924, 96.—**Kurita, A., & Hukazawa, J.** Kyōmakuen no tiryō-hō toku-ni sissei-kyōmakuen no zinkō-kikyō ryōhō ni tuite [Ueber Heilverfahren der Pleuritis und zwar künstliche Pneumothorax-Therapie der Pleuritis exsudativa] Ibid., 1931, 1601–18, incl. 4 pl.—**Lewis, J. L.** The treatment of pleurisy with effusion in pulmonary tuberculosis. Med. Bull. Veterans Admin., 1933, **10**: 138–40.—**Murakami, S.** Sissei-kyōmakuen ni tai-suru zinkō-kōzan taiyō-tō ryōhō [Treatment of exudative pleurisy by means of artificial sunlight] Kaigun gun-ikai zassi, 1936, **25**: 720–38.—**Radosavljević, A.** [Treatment of sero-fibrinous pleurisy] Voj. san. glasnik, 1934, **5**: 621–40.—**Reichel, I. W., & Zimmerl, C. H.** Beobachtungen und Behandlungsergebnisse von Pleuritiskranken. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 210–25.—**Yano, G.** Ether no yakuri sayō hoi; hu, guntai kyōmakuen no ether ryōhō ni tuite [Supplementary information on the pharmacological action of ether; the use of ether in the cure of pleurisy among soldiers] Gun idan zassi, 1938, 1311–28.

—— Types.

See also **Pleural cavity,** Empyema.

Durham, W. R., & Diamond, S. Cholesterol pleurisy. Med. Bull. Veterans Admin., 1939–40, **16**: 12–5.—**Lascalea, M. C., & Mosto, O. V.** Pleuresia hemorrágica parabronquítica a eosinófilos. Rev. san. mil., B. Air., 1939, **38**: 180–9. ——— Consideraciones acerca de un caso de pleuresia hemorrágica tuberculosa. Ibid., 1940, **39**: 72–9.—**Piccoli, G.** Il tipo morfologico predominante nei pleuritici. Gior. med. mil., 1934, **72**: 1214–8.—**Vâja, G.** Consideraţiuni asupra pleureziilor sero-fibrinoase secundare. Rev. san. mil., Bucur., 1934, **33**: 662–70.

PLEURODYNIA.

See **Myalgia.**

PLEUROPNEUMONIA.

Süreyya Tahsin. Sarî zatürreei muhitî veya sarî Zatülcenp verree [Péripneumonie contagieuse ou pleuro-pneumonie contagieuse] p.451–528. 24cm. Istambul, 1932.

Askerî tibbi baytarî mecmuası, 1932–33, **10**:

Infectious pleuropneumonia of the goat. J. R. Army Vet. Corps, 1945–46, **17**: 4; passim.—**Malfroy.** Etude sur la peste bovine. Rev. vét. mil., Par., 1926, **10**: 39; 117.—**Shirlaw, J. F.** Infectious pleuropneumonia of the goat. J. R. Army Vet. Corps, 1945–46, **17**: 45–52.

PLUG.

See **Ear plug.**

PLUMBING.

Gerstein, H. H. Cross connections at Army installations. Bull. U. S. Army M. Dep., 1945, **4**: 203–9.—**McMahon, M.** Health hazards and war accidents in plumbing trades. Indust. Hyg., Alb., 1943, **22**: No. 7, 1–4.

PLYWOOD.

Johnson, C. A. Dermatitis from the synthetic resins used in the manufacture of plywood gliders and planes. 2 l. 25½cm. Dayton, 1943.

Forms No. ENG–49–698–15, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Illman, V. I., Walker, A. R., & Ledingham, G. A. Effects of high air humidity and mould growth on pack-boards of plywood. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 5, C. 6152, 1, 3 pl.

PNEUMATIC suit.

See under **Acceleration,** Protection: Clothing; also **Gravitation,** Protection.

PNEUMOARTHROGRAPHY.

See under **Joint.**

PNEUMOCEPHALUS.

See under **Disease**—by organs: Brain.

PNEUMOCOCCUS.

See also **Pneumonia.**

Białosuknia, W. [Research of diverse malignant groups of pneumococci and their changeability] Lek. wojsk., 1926, **7**: 147–60.

—— Immunology.

Vollmer, E. P., & Gillmore, J. D. Increased resistance to pneumococcus infection in mice treated with whole adrenal cortical extract. 5p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. X–759, U. S. Nav. M. Res. Inst.

Vollmer, E. P., & Samsell, J. E. Failure of adrenocortical extract to modify the immunity acquired by intact mice through the use of pneumococcal vaccine. 8p. 27cm. Bethesda, 1949.

Forms Rep. No. 5, Proj. NM 007 024, U. S. Nav. M. Res. Inst.

Ferguson, D. Studies of active pneumococcus immunity; the duration of type I pneumococcus immunity. U. S. Nav. M. Bull., 1935, **33**: 219–25. ——— The duration of types I and II pneumococcus immunity. Ibid., 1936, **34**: 213–20. ——— & **Dilburn, J. H.** A reinvestigation of the value of active pneumococcus immunity: preliminary report. Ibid., 1932, **30**: 409–33.—**MacLeod, C. M.** An antigen from rough pneumococci giving rise to protective antibodies in rabbits and mice. Rep. Com. Pneumonia U. S. Army, 1945–46, 5. ——— Occurrence of antibodies to Pneumococcus type 7 in the serum of normal people. Ibid., 5.

—— Infection.

See also **Pneumonia.**

Battistig, A. La chemioterapia delle infezioni pneumococciche col piridene Lepetit; lavoro premiato al concorso nazionale per i medici condotti. Milizia san., 1940, **39**: No. 24, 4–8.—**Cianci, V., & Vitielli, M.** La glicemia del coniglio nella infezione sperimentale da pneumococco. Ann. med. nav., Roma, 1933, **39**: pt 1, 311–5.—**Mackay-Dick, J.** A case of pneumococcal septicaemia. J. R. Army M. Corps, 1948, **90**: 170.—**MacLeod, C. M.** The effect of penicillin on experimental infections of mice with pneumococcus types I, II, and III. Rep. Pneumonia Com. U. S. Army, 1943–44, 12–5, tab.—**Morisson, R., & Jausion.** Pneumococcie à foyers extrapulmonaires, abcès-cutané et péricardite, péricardotomie suivie de succès. Bull. Soc. méd. mil. fr., 1922, **16**: 140.—**Singer, E. O. A.** A case of pneumococcus septicaemia. J. R. Army M. Corps, 1927, **48**: 451–4.

—— Typing.

Reiss, H. The typing of pneumococci. Med. Bull. Veterans Admin., 1936, **13**: 251.—**Sosa, H., & Franzani, O. F.** Determinación del tipo de neumococo en el esputo. Rev. san. mil., B. Air., 1936, **35**: 935–8.—**White, S.** Sabin's immediate pneumococcus typing and its value to small station hospitals. Mil. Surgeon, 1935, **76**: 72.

—— Vaccine.

Anti-pneumonia vaccination. Army M. Bull., 1922, No. 4, 126–31.—**Ferguson, D.** The human response to immunization with type I pneumococcus vaccine. U. S. Nav. M. Bull., 1934, **32**: 155–62.—**Mökay, F., & Razi Maner** [Preparation of anti-pneumococcal vaccine and result of its therapeutic application in Germany] Askerî sıhhiye mecmuası, 1941, **70**: 9–13.

PNEUMODYNAMIC suit.

See **Clothing,** Air Force.

PNEUMOKONIOSIS.

See also **Dust; Lung disease.**

Arntzen, J. L. Pneumoconiosis. U. S. Veterans Bur. M. Bull., 1929, **5**: 31–5.—**Cavallini, E.** Un caso di pneumo-coniosi polmonare. Ann. med. nav., Roma, 1929, **35**: pt 2, 193–6.—**Channell, G. D.** Working conditions of boiler cleaning parties with special reference to dust inhalation. J. R. Nav. M. Serv., 1945, **31**: 146–50.—**Iliescu, C. N.** Considerațiuni radiologice asupra pneumoconiozelor cu ocazia intalnirei unui cas de antracoza. Rev. san. mil., Bucur, 1935, **34**: 308–11.—**Munoz, E. A.** Pneumoconiosis; with report of cases. U. S. Veterans Bur. M. Bull., 1929, **5**: 36–9.—**Nesbitt, R. W.** Two cases of pneumokoniosis. J. R. Nav. M. Serv., 1939, **25**: 173.—**Williams, H. B.** Pneumoconiosis; a study of 379 cases. Med. Bull. Veterans Admin., 1941–42, **18**: 250–3.

PNEUMOLATOR.

See under **Pressure breathing,** Apparatus.

PNEUMOLYSIS.

Aujaleu. Présentation de quelques tuberculeux traités récemment par pneumothorax et section de brides; méthodes de Jacobeus. Bull. Soc. méd. mil. fr., 1938, **32**: 165–9.—**Dubau, R., & Bourdet, P.** L'opération de Delorme; est-ce un souvenir du passé rajeuni par une vogue éphémère? est-ce, au contraire, l'opération de demain? Ibid., 1946, **40**: 96–100.—**Nogués, C., & Miranda, J.** Neumolisis intrapleural. Rev. san. mil., Asunción, 1936, **8**: 213–20.

PNEUMONIA.

See also **Influenza; Lung disease; Pneumococcus.**

United States. Army Epidemiological Board. Commission on Pneumonia. Report of the activities of the Pneumonia Commission. Wash., 1943/44–

Adamson, W. B. Lobar pneumonia. Air Surgeon Bull., 1944, **1**: No. 11, 21.—**Cole, C. S.** Pneumonia: an addendum to a pneumonia study. Mil. Surgeon, 1927, **60**: 37–41.—**Knopf, S. A.** Pneumonia among soldiers in camps, cantonments, and at the front; causes, prevention, treatment, and after care. N. York M. J., 1918, **107**: 165–72.—**Pneumonia** study. Med. Bull. Continent. Air Command, 1949, **1**: No. 3, 12–5.—**Smith, S.** Pneumonia. J. R. Army Corps, 1935, **65**: 145–58.—**Vovsi, M., Blagman, G., & Molchanov, N.** Pnevmonia. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 619–31.

—— atypical.

See subheading (Virus pneumonia)

—— Bacteriology.

See also **Pneumococcus.**

Aviss, W. G. The infectivity of lobar pneumonia. J. R. Army M. Corps, 1908, **10**: 286.—**Bacterial** pneumonia. Med. Bull. U. S. First Army, 1948, **3**: No. 12, 8–18.—**Duroux & Copin.** Pneumopathie grippale avec image radiologique curieuse de miliaire unilatérale très transitoire. Bull. Soc. méd. mil. fr., 1949, **43**: 101.—**Gunter, R. A.** Pneumonitis: due to mixed spirochetal and mycelial infections. Med. Bull. Veterans Admin., 1937–38, **14**: 184.—**Peirce, C. B., & Dso, L. L.** The Friedländer bacillus in pulmonary disease. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 4, 13–9.—**Roberg, N. B.** Meningococcic pneumonia. Bull. U. S. Army M. Dep., 1945, **4**: 97–9.—**Schiavone, E. L.** Mosaico antigenico glucidico del Diplococcus pneumoniae. Rev. san. mil., B. Air., 1937, **36**: 1081–90.—**Swartz, E., & Rohde, P. A.** Klebsiella (Friedländer's bacillus) infections in an Army hospital. Am. J. Clin. Path., 1946, **16**: 88–97.—**Whitehead, N. T.** Some investigations on thirty-five cases of pneumonia in Khartoum [Bacterial typing and serology] J. R. Army M. Corps, 1927, **49**: 440.

—— Bronchopneumonia.

Anagnosti, V. D. [Case of bronchopneumonia with clinical symptoms of typhoid fever] Voj. san. glasnik, 1936, **7**: 741–4.—**Bloedorn, W. A.** Broncho-pneumonia, with special reference to incidence and diagnosis. Mil. Surgeon, 1922, **51**: 646–56.—**Cazalas.** Broncho-pneumonie avec épanchement puriforme aseptique de la plèvre, résorbé spontanément en deux jours. Bull. Soc. méd. mil. fr., 1921, **15**: 157–60.—**Espinosa, O. H., & Frattini, J. F.** Anemia arregenerativa progresiva e inundación leucemoide final en una bronconeumonía; valor pronóstico del cuadro hemático. Rev. san. mil., B. Air., 1941, **40**: 326–56.—**Jacobs, I. W.** Broncho-pneumonia and bronchostenosis following appendectomy. U. S. Nav. M. Bull., 1922, **16**: 57.—**Kikuth, W.** Bronchopneumonia of mice. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 42.—**Lascalea, M. C., & Matera, R. F.** Bronconeumonías miliares gripales. Rev. san. mil., B. Air., 1944, **43**: 853–71.—**Maslova, M. S.** [Etiology, pathogenesis and prophylaxis of bronchopneumonia in infants] Tr. Acad. mil. méd. Kiroff, 1934, **1**: 431–5.—**Meade, S. V.** A diagnostic problem; bilateral bronchopneumonia with coexisting mediastinal effusion, transient pleural effusion, pathological rib fracture and metastatic nodules in the lungs. Med. Bull. Veterans Admin., 1943–44, **20**: 335–8.—**Mørch Christensen, A., & Nexmand, B.** [Investigation on the origin of broncho-pneumonia and febris catarrhalis among soldiers] Militaerlaegen, 1941, **47**: 16–23.—**Riza, N.** [Broncho-pulmonary, lipiodol by tube] Askerî sıhhiye mecmuası, 1933, **62**: 38.—**Vogelin, A.** Broncho-pneumonie à pneumobacilles de Friedländer, compliquée de septicémie; traitement par la vaccinothérapie. Bull. Soc. méd. mil. fr., 1923, **17**: 81–5.

—— Clinical aspect.

Barker, E. M. A case of pneumonia with an eosinophilia developing after M & B 693. J. R. Army M. Corps, 1940, **75**: 123.—**Cardelle, B., & Valle, J. de.** A propósito de un caso de neumonía del lóbulo infra-cardíaco. Rev. san. mil., Habana, 1940, **4**: 124–31.—**Dubrow, J. L.** Type 1 pneumococcus pneumonia simulating acute coronary thrombosis. Med. Bull. Veterans Admin., 1942–43, **19**: 100–2.—**Greco, A. J., & Kehoe, E. J.** Walking pneumonia. Ibid., 1932, **9**: 88–91.—**Jeffrey, J. R.** Twenty-eight cases of pneumonia. U. S. Nav. M. Bull., 1921, **15**: 825–9.—**Marot & Teil.** Les zonites; à propos de trois observations. Bull. Soc. méd. mil. fr., 1945, **39**: 272–5.—**Nechaev, A. A.** [Characteristics of non-tuberculous inflammatory pulmonary affections according to data of evacuation hospitals] Sovet. med., 1944, **8**: No. 4, 8.

—— Complication.

See also **Pleural cavity,** Empyema.

Amy, A. C., & O'Farrell, W. R. A case of lobar pneumonia with delayed resolution. J. R. Army M. Corps, 1920, **35**: 409–12.—**Bennett, R. A.** An unusual complication of lobar pneumonia. Ibid., 1935, **65**: 49.—**Bochkovski, P. I.** [Case of gangrene of the lungs in croupous pneumonia produced by spindle-shaped bacteria] Voen. med. J., Petrogr., 1914, **241**: Med. spec. pt, 360–3.—**Mackay-Dick, J.** Massive and generalized oedema occurring in two cases of lobar pneumonia under sulphonamide and penicillin therapy. J. R. Army M. Corps, 1949, **92**: 214–8.—**Palacio, C. A., & Noguera, O. F.** Infarto anémico con autolisis en el curso de una neumonia. Rev. san. mil., B. Air., 1939, **38**: 625–9.—**Thomas, I.** Spontaneous pneumothorax in pneumonia; report of cases. Med. Bull. Veterans Admin., 1941–42, **18**: 20–5.

—— Control.

See also **Pneumococcus,** Immunology.

Cole, R. Possibilities for pneumonia control as indicated by present scientific knowledge. Mil. Surgeon, 1937, **81**: 241–54.—**Sound** (A) attack upon the pneumonia problem in camp. N. York M. J., 1918, **107**: 319.

—— Diagnosis.

Blomberg, M. M. The blood count in pneumonia. Med. Bull. Veterans Admin., 1936, **13**: 253–6.—**Hare, H. A.** Further observations on the value of studying the pulse rate with the blood pressure in croupous pneumonia. U. S. Nav. M. Bull., 1913, **7**: 218.—**Merlo Gómez, J. F.** La evolución de la imagen radiológia en la neumonia. Rev. san. mil., B. Air., 1939, **38**: 97–110.—**Morphew, E. M.** Exceptional initial symptoms in a case of pneumonia. J. R. Army M. Corps, 1914, **22**: 440.

—— Etiology.

See also subheading (Bacteriology; Types)

Florian, M. Problema pneumoniilor in armată; factorii cauzali, măsuri preventive, rolul frigului in pneumonii, concepții actuale de tratament. Rev. san. mil., Bucur., 1937, **36**: 701–9.—**Sakai, T., & Ohne, I.** Iwayuru aen-gasu haien no iti rei [A case of so-called zinc-gas pneumonia] Kaigun gun-ikai zassi, 1940, **29**: 407–12, pl., ch.

—— experimental.

Wilson, C. E., Byrne, A. F. [et al.] The control of experimental pneumonia with penicillin. 19p. 27cm. Edgewood Arsenal, 1945.

Forms No. 42, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Wilson, C. E., Hammond, C. W. [et al.] The control of experimental pneumonia; treatment of pneumococcal pneumonia in rats with oral penicillin and sulfadiazine. 12p. 27cm. Edgewood Arsenal, 1946.

Forms No. 85, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

—— The effect of prolonged treatment with penicillin aerosols of low concentration. 9p. 27cm. Edgewood Arsenal, 1946.

Forms No. 87, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

Kikuth, W., & Bock, M. Zur Inhalationstherapie der experimentellen Bronchopneumonie mit Sulfathioharnstoff, Badional. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 104–11a.

—— Incidence.

See also **Morbidity,** United States: Army.

Pavlovich, V. G. Појава и значај акутног плућног запаљења у војсци. p.465–627. 23cm. Beograd, 1936.
Voj. san. glasnik, 1936, 7:

Templier, H. E. *Observations étiologiques, cliniques, pronostiques et thérapeutiques sur la pneumonie des noirs de l'Afrique occidentale française. 43p. 8° Bord., 1917.

Viéron, L. L. M. S. *Quelques réflexions sur la pneumonie des troupes noires et son traitement. 37p. 8° Bord., 1917.

Yanagihasi, M. Tōkei-zyō yori kansatu-sitaru Minami Mansyū no croup-sei haien. [Statistik über die croupöse Pneumonie in Südmandschurei] p.239–343. 21½cm. Tōkyō, 1920.
Gun idan zassi, 1920.

Allen, E. V., & Baird, L. W. Pneumonia in the Army. N. Orleans M. & S. J., 1943–44, **96:** 177–84.—**Asserson, F. A., & Rathbun, W. L.** Diagnosis and treatment of pneumonia and empyema at the United States Naval Hospital, Newport, R. I. U. S. Nav. M. Bull., 1919, **13:** 26–34.—**Cole, R.** Pneumonia in Army camps. Med. Rec., N. Y., 1918, **94:** 173. Also N. York M. J., 1918, **108:** 484. ——— Pneumonia in the Army. Proc. Conf. Health Author. N. America, 1918, **33:** 48–55. ——— **& MacCallum, W. G.** Pneumonia at a base hospital. Tr. Ass. Am. Physicians, 1918, **33:** 229–60. Also J. Am. M. Ass., 1918, **70:** 1146.—**Fetter, F.** Pneumonia; a review of 388 cases at the Philadelphia Naval Hospital. U. S. Nav. M. Bull., 1943, **41:** 653–65.—**Gard, S., & Löfström, G.** [Investigations of two barrack epidemics of colds with special reference to the nature of pneumonia] Tskr. mil. hälsov., 1938, **63:** 145–78.—**Grieco, E. H., Cove, A. M.** [et al.] Pneumonia; a survey of 106 cases. Mil. Surgeon, 1943, **93:** 364–7.—**Johnston, R. N.** Some aspects of pneumonia among African troops in the Gold Coast and the response of this disease to sulphamerazine. J. R. Army M. Corps, 1947, **89:** 38–43.—**MacCallum, W. G.** Pneumonia in Army camps. N. York M. J., 1918, **108:** 46.—**Malard, M., & Ballan.** Pneumonie et tuberculose chez les tirailleurs sénégalais à La Rochelle. Rev. Serv. san. mil., Par., 1936, **104:** 595–639.—**Malloch, A.** Notes on lobar pneumonia in France. Canad. M. Ass. J., 1921, **11:** 625–32.—**Medalia, L. S., & Schiff, N. S.** Lobar pneumonia at a Base Hospital laboratory and clinical study of fifty cases. J. Am. M. Ass., 1918, **71:** 1821.—**Messina, M. C.** Lobar pneumonia; analysis of 49 cases. Med. Bull. Veterans Admin., 1937–38, **14:** 157–60.—**Noyan, A.** [War epidemics; lobar pneumonia] Askerî sıhhiye mecmuası, 1940, **69:** No. 32, p. i–xii.—**O'Meara, F. J.** A warning; disseminated focal pneumonia. J. R. Army M. Corps, 1939, **72:** 52–4.—**Patrovitch, A.** La pneumonie dans l'Armée yougoslave. Rev. Corps san. mil., Par., 1946, **2:** 156.—**Pneumonia.** Statist. Navy M., 1947, **3:** No. 6, 6–8.—**Small, A. A.** Pneumonia at a Base hospital; observations on one thousand one hundred cases at Camp Pike, Ark. J. Am. M. Ass., 1918, **71:** 700–2.—**Smiley, D. F., & Raskin, H. A.** Pneumonia in the U. S. Navy, 1882–1942; as cause of incapacitation and mortality. U. S. Nav. M. Bull., 1945, **44:** 1245–61.—**Stone, W. J., Phillips, B. G., & Bliss, W. P.** A clinical study of pneumonia based on eight hundred and seventy-one cases. Arch. Int. M., 1918, **22:** 409–39.—**Tosić, S.** Kretanje pneumoničnih oboljenja na unutrašnjem odeljenju Glavne vojne bolnice u 1947 godini. Voj. san. pregl., Beogr., 1949, **6:** 457–63.

—— interstitial.

Beams, A. J., & Harmos, O. Diffuse progressive interstitial fibrosis of the lungs. Mil. Surgeon, 1948, **103:** 364.—**Bruce, P. C.** Extensive pulmonary fibrosis with slight physical findings and obscure etiology. Med. Bull. Veterans Admin., 1936, **13:** 94.—**Colton, W. A.** Chronic interstitial pneumonitis or bronchiolitis. U. S. Veterans Bur. M. Bull., 1927, **3:** 581–6, pl.—**Golden, A., & Tullis, I. F.,** jr. Diffuse interstitial fibrosis of the lungs. Mil. Surgeon, 1949, **105:** 130–7.—**Krotkov, S. F.** [Symptomatology of fibrous pneumonia] Voen. med. J. Petrogr., 1914, **241:** Med. spec. pt, 346–59.

—— Pathology.

Hobby, A. W. Lobar, broncho-, and atypical pneumonia; a study of 500 cases. U. S. Nav. M. Bull., 1944, **43:** 438–49.—**King, H. H.** A summary of recent work on lobar pneumonia. J. R. Army M. Corps, 1926, **47:** 349–63.—**Olguin, V. V., & Celaya, M.** El concepto actual de las neumonitis cronicas. Rev. san. mil., B. Air., 1939, **38:** 574–601.—**Yosiba, S.** Haienkanzya nyō no Vitamin C ni tuite [Vitamin C excreted in the urine of pneumonia patients] Kaigun gun-ikai zassi, 1939, **28:** 721–5.

—— Prognosis.

Broglum, F. L. Nineteen cases of pneumonia in members of the Civilian Conservation Corps with no deaths. Med. Bull. Veterans Admin., 1934–35, **11:** 258–61.—**Hollins, A. S.** Benign pneumonia in West African soldiers. Lancet, Lond., 1947, **2:** 235–9.—**Kaske, G. J.** 1,265 pneumonia cases with no deaths. U. S. Nav. M. Bull., 1946, **46:** 731–5.

—— streptococcic.

Erskine, E. B. Streptococcic pneumonia. U. S. Nav. M. Bull., 1945, **44:** 985–7.—**Hemolytic** streptococcus pneumonia. Bull. U. S. Army M. Dep., 1945, No. 85, 88–91.—**Wallace, A. W.** Streptococcus pneumonia. News Lett. AAF Rheum. Fever Control, 1945, **2:** No. 9, 3–6.

—— traumatic.

Crow, G. B., Johnson, L. W. [et al.] Pneumonia following an injury. U. S. Nav. M. Bull., 1912, **6:** 580.—**Lieux & Crosnier.** Pneumonie traumatique. Bull. Soc. méd. mil. fr., 1939, **33:** 317–25.—**Sterne, C. F.** A case of traumatic pneumonia. U. S. Nav. M. Bull., 1909, **3:** 252–4.—**Vyšegorodceva, V. D.** Pnevmonii u ranennykh v grudj. In: Opyt sovet. med. Velik. otеč. vojne, 1950, **10:** 279–306, pl.

—— Treatment.

Andrada, E. M., & Lascalea, M. C. Neumonias y neumopatias agudas; consideraciones sobre tratamiento; comentario basado en la observación de 137 neumonias. Rev. san. mil., B. Air., 1939, **38:** 1019–39.—**Antony.** Remarques sur le traitement de la pneumonie. Bull. Soc. méd. mil. fr., 1921, **15:** 310–2.—**Berenberg, A. L.** Analysis of pneumonias treated at the 28th Station Hospital in eight month period. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 8, 13–6.—**Boswell, J. R., & Dredge, T. E.** Treatment of pneumonia. Med. Bull. Veterans Admin., 1940–41, **17:** 145–9.—**Dietlen, H.** Ueber Lungenentzündung und ihre Behandlung. Deut. Militärarzt, 1941, **6:** 23–6.—**Heggie, R. M.** The treatment of pneumonia. J. R. Nav. M. Serv., 1941, **27:** 267–73.—**Irfan Titiz** [On treatment of pneumonia] Askerî sıhhiye mecmuası, 1936, **65:** 57–69.—**Jurado y Gama, E.** Brief study of lobar pneumonia, with especial reference to treatment, accompanied by condensed statistics of the Military Hospital, San Luis Potosi. Mil. Surgeon, 1910, **27:** 614–30.—**Kuyer, A.** [Treatment of 100 cases of croupous pneumonia in soldiers] Geneesk. tschr. Ned. Indië, 1930, **70:** 343–62.—**Lowman, K. E.** Lobar pneumonia, recent advances in therapy. U. S. Nav. M. Bull., 1940, **38:** 74–80.—**McClintic, J. K.** Sixty cases of pneumonia treated at Whipple from January 1, 1936 to April 1, 1939. Med. Bull. Veterans Admin., 1939–40, **16:** 1–7.—**Mella, H.** Treatment of 43 cases of lobar pneumonia. Ibid., 1936, **13:** 247–50.—**Pedraza, E.** Tratamiento de la pneumonia. Rev. san. mil., Madr., 1908, **2:** 11; 30.—**Sadullah Nutku** [Most efficient methods in treatment of pneumonia] Askerî sıhhiye mecmuası, 1941, **70:** 62–4.—**Scott, T. E., & Nielsen, E. M.** Eighteen years of pneumonia at William Beaumont General Hospital, El Paso, Texas. Mil. Surgeon, 1940, **86:** 241–50.

—— Treatment: Methods.

Agranat, A. L. Some problems in the chemotherapy of pneumonia. J. R. Army M. Corps, 1943, **80:** 227–36.—**Bocalandro, C. A.** Quimioterapia de las neumonias. Rev. san. mil., B. Air., 1941, **40:** 966–76.—**Boswell, J. R.** Diathermy in the treatment of lobar pneumonia. Med. Bull. Veterans Admin., 1936, **13:** 52–5.—**Faget, G. H., & Martin, W. B.** Oxygen therapy in pneumonia; five years' experience at the U. S. Marine Hospital, Norfolk, Va. Hosp. News, Wash., 1937, **4:** No. 20, 4–16. Also Ann. Int. M., 1938–39, **12:** 32–8. Also Med. Clarion, Manila, 1940, **6:** No. 6, 5–17.—**Hirschberg, L.** [Treatment of pneumonia with a combination of calcium and digitalis] Voen. san. delo, 1935, 50.—**Lueck, A. G.** Penicillin in pneumonia. Bumed News Lett., Wash., 1945, **5:** No. 9, 10. ——— **& Edge, C. O.** Penicillin in pneumonia. U. S. Nav. M. Bull., 1945, **44:** 480–5.—**Mark, R., & Veuhoff, K. H.** Zur Frage der Pneumoniebehandlung: Eubasin, Chinin-Calcium. Deut. Militärarzt, 1941, **6:** 262–5.—**Müller, P.** Ueber Pneumoniebehandlung mit Eubasinum. Ibid., 1940, **5:** 409.—**Oribe, J. A., & Delucchi, J. R.** La fleboclisis en la neumonia. Rev. san. mil., B. Air., 1936, **35:** 38–43.—**Schwarz, F. W.** Diathermy in the treatment of pneumonia. Med. Bull. Veterans Admin., 1935, **12:** 167.—**Stein, W.** The role of vitamins and adrenal cortex hormone in the treatment of pneumococcal pneumonias. Ibid., 1941–42, **18:** 156–60.—**Villafañe, M. R.** Neumonias tratadas con alcohol, calcio y quinina; endovenosa. Rev. san. mil., B. Air., 1937, **36:** 864–7.

—— Treatment: Serum.

Campbell, E. P., & Campbell, E. P. Serum treatment in lobar pneumonia. Mil. Surgeon, 1937, **80:** 280–5.—**Free, R. M.** Delayed serum reaction in pneumonia. Med. Bull. Veterans Admin., 1939–40, **16:** 299–301.—**Helm, J. B., & Noble, H. J.** X-ray observations of pneumonia treated with specific antisera. U. S. Nav. M. Bull., 1934, **32:** 147–51, 2 pl.—**Marvin, H. P., & Campbell, E. P.** The treatment of lobar pneumonia with serum and sulfanilamide. Mil. Surgeon, 1939, **85:** 224–31.—**Priest, R.** Notes on the treatment of acute

pneumonia by a convalescent serum. J. R. Army M. Corps, 1935, 64: 121–4.—**Redden, W. R.** Development of specific serum therapy in pneumonia. U. S. Nav. M. Bull., 1919, 13: 35–43.—**Siraiwa, R., & Iseki, K.** Haien tiryō-kessei no tiken ni tuite [Ueber die Wirkung des Heilserums gegen Pneumonie] Gun idan zassi, 1919, 165–200, 13 ch.

—— Treatment: Sulfonamides.

Brownfield, O. D. Prontosil in pneumonia. J. R. Nav. M. Serv., 1939, 25: 70–2.—**Butzke, E. J., & Balter, A. M.** Striking recovery in pneumonia following use of sulfapyridine; case report. Med. Bull. Veterans Admin., 1939–40, 16: 67–9.—**Canada, R. O.** Sulfapyridine treatment of pneumonia; employed alone and combined with serum. U. S. Nav. M. Bull., 1941, 39: 108–14.—**Cockrell, B. A.** Spectacular response of a pneumonic patient to sulfapyridine sodium monohydrate. Med. Bull. Veterans Admin., 1940–41, 17: 175–7.—**Flippin, H. F., Rose, S. B.** [et al.] Treatment of pneumococcic pneumonia with sulfadiazine and sodium sulfadiazine. War Med., Chic., 1942, 2: 284–94.—**Frisk, A. R.** The behaviour of sulphapyridine in blood and urine, particularly in pneumonia. Bull. War M., Lond., 1941–42, 2: 141 (Abstr.) ——— Sulphathiazole treatment in pneumonia; blood concentration and excretion. Ibid., 142 (Abstr.)—**Marvin, H. P., Bradford, A. L., & Ketchum, W. H.** Sulfapyridine therapy in pneumonia. Mil. Surgeon, 1940, 86: 554–60.—**Marvin, H. P., Owings, F. D., & Edelson, E. K.** Pneumonia therapy with sulfathiazole in military practice. Ibid., 1942, 91: 55–8.—**Matusov, P. M.** Lečenie krupoznoj pnevmonii sulfidinom. Voen. san. delo, 1940, No. 5, 87–92.—**Mella, H.** Report of 92 cases of pneumonia treated with sulfapyridine. Med. Bull. Veterans Admin., 1939–40, 16: 197–209.—**Nissen, K.** Neue Erkenntnisse zur Pneumonietherapie; kritische Bemerkungen zur Chinin- und Sulfonamid-Therapie. Deut. Militärarzt, 1944, 9: 118–22.—**Opizzi, J.** Sulfamidoterapia a dosis continua en las neumonías. Rev. san. mil., B. Air., 1940, 39: 239–48.—**Pasqualini, R. Q.** Aplicaciones clínicas de las sulfanilamidas; tratamiento de la neumonía. Ibid., 663–77.—**Schmitt, G. F., & Hinshaw, H. C.** Practical treatment of pneumonia with sulfapyridine. U. S. Nav. M. Bull., 1941, 39: 116–9.

—— Types.

See also subheading (Bacteriology)

Cardelle, B. Neumonia a neumococo tipo VII. Rev. san. mil., Habana, 1938, 2: 276–82.—**Eosinophilic** pneumonia. Bull. U. S. Army M. Dep., 1944, No. 77, 27.—**Faingold, J. E.** The typing, prophylaxis, and treatment of pneumonia. Med. Bull. Veterans Admin., 1940–41, 17: 150–7.—**Levine, M. H., & DeAngelis, C. E.** Lipoid pneumonitis. Ibid., 1941–42, 18: 379–85.—**MacLeod, C. M.** Epidemiology and prevention of pneumococcal pneumonia. Rep. Com. Pneumonia U. S. Army 1945–46, 1–7.

—— Virus pneumonia.

Horster, H. Klinische, epidemiologische und ätiologische Beobachtungen bei der sogenannten Viruspneumonie. 13p. 29cm. n.p., 1944 [?]

Morhouse, C. H., Morrill, E. E., & Hansen, C. L. A study of the incidence of primary atypical pneumonia for a period of one year at the Indoctrination Center, Lackland Air Force Base. 9p. 27cm. Randolph Field, 1949.

Forms Proj. No. 21-02-122, U. S. Air Force School Aviat M.

Allison, S. T. Penicillin in primary atypical pneumonia; report of twenty-eight cases. U. S. Nav. M. Bull., 1945, 45: 930–2.—**Atypical** pneumonia in Belgium. Bull. Army M. Dep., Lond., 1943, No. 23, 5.—**Campbell, E. T.** Primary atypical pneumonia and malaria. War Med., Chic., 1943, 3: 249–55.—**Correll, H. L., & Cowan, I. L.** Primary atypical pneumonia; an analysis of therapeutic results in 155 cases. U. S. Nav. M. Bull., 1943, 41: 980–7.—**Dingle, J. H., Abernethy, T. J.** [et al.] Primary atypical pneumonia, etiology unknown. War Med., Chic., 1943, 3: 223–48. ——— Epidemiology of atypical pneumonia and acute respiratory disease at Fort Bragg, North Carolina. Am. J. Pub. Health, 1944, 34: 335–46.—**Duggan, L. B., & Powers, W. L.** An acute respiratory infection resembling so-called acute pneumonitis; a report of 40 cases. U. S. Nav. M. Bull., 1942, 40: 651–9.—**Fraser, P. K.** Primary atypical pneumonia of unknown aetiology. J. R. Nav. M. Serv., 1944, 30: 175–82.—**Frohman, I. G., & Elkins, M.** Aureomycin in near fatal atypical pneumonia; case report. Mil. Surgeon, 1949, 105: 386–9.—**Fuertes Franco, S.** Consideraciones sobre pneumonías de terminación atípica; empiemas metapneumónicos; su tratamiento y resultados. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 436–45.—**Furth, J.** Studies on pneumotropic viruses. Rep. Com. Pneumonia U. S. Army, 1945–46, 6. ——— & **De Gara, P. F.** Studies on the etiology of primary atypical pneumonia. Ibid., 1943–44, 5. ——— Studies on the etiology of atypical pneumonia. Ibid., 1944–45, 33–5.—**Golden, A.** Pathology of atypical pneumonia. Bull. U. S. Army M. Dep., 1944, No. 81, 64–8.—**Gordon, J. E.** Primary atypical pneumonia, etiology unknown. In: Prev. Med. in World War II, Wash., 1948, I: pt 3, Sect. 3, No. 3, 1–14, 9 tab.—**Green, D. M., & Eldridge, F. G.** Primary atypical pneumonia, etiology unknown. Mil. Surgeon, 1942, 91: 503–17.—**Hafkenschiel, J. H.** Atypical pneumonia at an air base in India during the winter of 1944–45. Ibid., 1945, 97: 377–80.—**Haight, W. L., & Trolinger, J. H.** Primary atypical pneumonia, etiology unknown. U. S. Nav. M. Bull., 1943, 41: 988–1000.—**Hardman, G. L.** Atypical primary pneumonia of the apical segments of the lower lobes. J. R. Nav. M. Serv., 1947, 33: 220–2.—**Heintzelman, J. H. L., & Seligmann, A. W.,** jr. Evaluation of the cold agglutination test in primary atypical pneumonia. U. S. Nav. M. Bull., 1944, 43: 433–7.—**Higley, C. S., Warren, H. A., & Harrison, R. S.** Complications of primary atypical pneumonia. Bull. U. S. Army M. Dep., 1944, No. 83, 67–73.—**Holmes, J. G.** Primary atypical pneumonia. J. R. Nav. M. Serv., 1944, 30: 49.—**Horsfall, F. L.,** jr. Studies in the etiology of primary atypical pneumonia. Bumed News Lett., Wash., 1944, 4: No. 12, 14–8.—**Humphrey, A. A.** Cold hemagglutination test in diagnosis of primary atypical pneumonia. U. S. Nav. M. Bull., 1944, 43: 1117–27.—**Idstrom, L. G., & Rosenberg, B.** Primary atypical pneumonia. Bull. U. S. Army M. Dep., 1944, No. 81, 88–92.—**Laboratory** aids in diagnosis of primary atypical pneumonia. Ibid., 1946, 5: 10–2.—**Leake, W. H., & Blachford, F. W.,** jr. Primary atypical pneumonia; experience at U. S. Naval Base Hospital–. U. S. Nav. M. Bull., 1943, 41: 1624–6.—**Levin, S. L.** Primary atypical pneumonia, etiology unknown; report of 35 cases. Med. Bull. Veterans Admin., 1943–44, 20: 122–40.—**McLellan, W. A.** A case of virus pneumonia. Med. Bull. Europ. Command, 1949, 6: No. 7, 39–44.—**Moore, G. B.,** jr, **Tannenbaum, A. J., & Smaha, T. G.** Atypical pneumonia in an Army camp. War Med., Chic., 1942, 2: 615–22.—**Morhouse, C. H., Morrill, E. E.,** jr. & **Hansen, C. L.** A study of the incidence of primary atypical pneumonia for a period of one year at the Indoctrination Center, Lackland Air Force Base, Texas. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 29.—**Norris, J. C., McLaughlin, R. F., & Williams, S. F.** Primary atypical pneumonia, virus type; a brief review; necropsy case presentation. Mil. Surgeon, 1946, 98: 299–304.—**Orens, M. H., Kelley, R. W., & Agress, H.** Abnormal blood picture of atypical pneumonia. Med. Bull. North Afr. Theater U. S., 1944, 2: 56.—**Parry, A. A.** Primary atypical pneumonia. Med. Bull. Medit. Theater U. S., 1945, 3: 21–3.—**Pasqualini, R. Q., & Lascalea, M. C.** Neumonitis hemoptóica aguda. Rev. san. mil., B. Air., 1941, 40: 781–8.—**Petrovsky, G. A.** K klinike atipičnykh form pnevmonij. Voen. med. J., Moskva, 1945, No. 10, 12–5.—**Pneumonia,** primary, atypical, etiology unknown No. 826 [form letter] Bumed News Lett., Wash., 1943, 1: 15.—**Present** status of etiology of primary atypical pneumonia. Bull. U. S. Army M. Dep., 1945, 4: 494–6.—**Primary** atypical pneumonia. Mil. Surgeon, 1942, 90: 588.—**Primary** atypical pneumonia, etiology unknown. Army M. Bull., 1942, No. 61, 31–5. Also War Med., Chic., 1942, 2: 330–3. Also Bull. Army M. Dep., Lond., 1943, No. 20, 4.—**Radke, R. A.** Epidemiology of primary atypical pneumonia; analysis of 6 months experience at Fort Lewis, Washington. Mil. Surgeon, 1949, 104: 113–8.—**Royce, B. F., & Victor, R. G.** Bronchiectasis following atypical pneumonia. Bull. U. S. Army M. Dep., 1948, 8: 61–8.—**Short, J. J.** Penicillin in the treatment of primary atypical pneumonia; report of 9 cases. U. S. Nav. M. Bull., 1944, 43: 974–80.—**Suttenfield, F. D.** Primary atypical pneumonia (virus pneumonia) Mil. Surgeon, 1943, 93: 360–4.—**Theodos, P. A., & Zwickel, R. E.** Clinical aspects of primary atypical pneumonia; an abstract. Med. Bull. North Afr. Theater U. S., 1944, 2: 104–9.—**Transmission** of primary atypical pneumonia to human volunteers. Bumed News Lett., Wash., 1945, 5: No. 4, 12.—**Value** of anterior-oblique roentgenograms in diagnosis of primary atypical pneumonia. Bull. U. S. Army M. Dep., 1945, 4: 641.—**Whiteley, J. H., Bernstein, A., & Goldman, M.** Primary atypical pneumonia; a report of 25 cases. Mil. Surgeon, 1942, 91: 499–502.—**Willcox, A.** Three cases of atypical pneumonia. J. R. Army M. Corps, 1943, 80: 21–5.—**Wolfson, S. A.** The value of sedimentation rate determinations in the management of primary atypical pneumonia, etiology unknown. Mil. Surgeon, 1944, 94: 370–3.

—— in wounded.

See also subheading (traumatic)

Egorov, P. I. [Pneumonia in the wounded] Voen. san. delo, 1943, No. 7, 24–7.—**Molchanov, M. S.** [Clinical aspects and pathogenesis of pneumonia in the wounded] Klin. med., Moskva, 1943, 21: No. 7, 3–9.—**Zheltonozhskaia, U. A.** [Pneumonia in the wounded] Ibid., 49–51.

PNEUMOPERITONEUM.

See also **Tuberculous,** Treatment.

Brian, E. G., & Ricen, E. Pulmonary tuberculosis; the role of pneumoperitoneum in the collapse therapy; a preliminary report. U. S. Nav. M. Bull., 1939, 37: 591–5. ——— Collapse therapy of pulmonary tuberculosis; results with pneumoperitoneum. Ibid., 1941, 39: 391–6, 6 pl.—**Bruce, P. C.** Pneumoperitoneum in the treatment of pulmonary tuberculosis. Med. Bull. Veterans Admin., 1939–40, 16: 138–42.—**Ricen, E.** Collapse therapy of pulmonary tuberculosis; the advantage of helium as a substitute for air in artificial pneumoperitoneum; a preliminary report. U. S. Nav. M. Bull., 1942, 40: 853–5, 2 pl.

PNEUMOTHORAX.

See also **Oleothorax; Oxygen poisoning,** Pathology; **Tuberculosis.**

Beardsley, L. G. Factors relating to artificial pneumothorax. U. S. Veterans Bur. M. Bull., 1926, **2**: 253–7.—**De la Puerta Chávarri, R.** El neumotórax como causa artificial de inutilidad total provocada en soldados completamente sanos; su importancia en el Ejército desde el punto de vista de las inutilidades. Rev. españ. med. cir. guerra, 1940, **4**: 344–52.—**Di Pietro, S.** Pneumotorace curativo o pneumotorace praticato a scopo di simulazione per esenzione dal servizio militare? Ann. clin. med., Pal., 1916, **7**: 43–63.—**Disney, E. K.** Artificial pneumothorax. Med. Bull. Veterans Admin., 1942–43, **19**: 37–41.—**Fingerhut, S., & Teil, P.** Le pneumothorax artificiel et la pleuroscopie, techniques d'actualité dans l'exploration des affections thoraciques. Rev. corps san. mil., Par., 1945, **1**: 499–503.—**Guinard, U.** Les tributaires du pneumothorax artificiel et la guerre. Rev. tuberc., Par., 1939–40, 5. ser., **5**: 1114–6.—**Haynes, G. O.** A study in artificial pneumothorax. U. S. Veterans Bur. M. Bull., 1929, **5**: 768–72.—**Martin, A.** Artificial pneumothorax; more than twelve years without development of pleural effusion. Med. Bull. Veterans Admin., 1935–36, **12**: 310–4.—**Matz, P. B.** Artificial pneumothorax in the United States Veterans' Bureau. U. S. Veterans Bur. M. Bull., 1928, **4**: 587–95.—**Moore, C. L.** The value of pneumothorax therapy in veterans' hospital. Ibid., 306–8.—**Murphy, J. D.** Results of pneumothorax therapy over a 2-year period. Med. Bull. Veterans Admin., 1939–40, **16**: 217–9.—**Rist, E.** Un cas de pneumothorax artificiel ayant subi l'épreuve de la guerre. Bull. Soc. méd. hôp. Paris, 1914, **38**: 358–60.—**Shamaskin, A.** Some observations on the value of early and liberal use of artificial pneumothorax. U. S. Veterans Bur. M. Bull., 1926, **2**: 258–65.

—— Apparatus.

Iliescu, C. N. Un nou aparat de pneumotorace. Rev. san. mil., Bucur., 1935, **34**: 191–3.—**Kosanovic, F.** A study of apparatus for induction of artificial pneumothorax. Med. Bull. Veterans Admin., 1941–42, **18**: 4–10.—**Mazza, M. A.** Aparato sencillo para el neumotórax. Rev. san. mil., B. Air., 1937, **36**: 580.—**Puskás, A.** Magasnyomású pneumothorax-készülék. Honvédorvos, 1950, **2**: 98.—**Sânzio, C.** Algumas considerações sobre a manometria do pneumotórax. Rev. med. mil., Rio, 1942, **31**: 17–20.—**Stuppell, R.** An improvised artificial pneumothorax apparatus. J. R. Army M. Corps, 1942, **78**: 163–5.—**Telatycki, M.** [Author's portable apparatus for artificial pneumothorax] Lek. wojsk., 1938, **32**: 471–81.

—— Complication.

See also **Pneumonia,** Complication.

Carmelo, P. Sulla patogenesi dei versamenti pleurici in corso di pneumotorace terapeutico. Gior. med. mil., 1947, **94**: 308–12.—**De Witt, F. B.** Artificial pneumothorax with recurrent spontaneous pneumothorax. Med. Bull. Veterans Admin., 1932–33, **9**: 319–21.—**Gatterdam, E. A.** Effects of changes in altitude on pneumothorax cases. U. S. Veterans Bur. M. Bull., 1928, **4**: 596–8.—**Ivey, H. T.** The treatment of complications in artificial pneumothorax. Med. Bull. Veterans Admin., 1932, **8**: 20–5.—**O'Meara, F. J.** A case of sudden unexpected death due to bilateral pneumothorax. J. R. Army M. Corps, 1939, **73**: 309.—**Tanguy, R. O. L.** Fièvre de création de P. N. O. et des premières insufflations d'allure inhabituelle; discussion de l'étiologie. Bull. Soc. méd. mil. fr., 1948, **42**: 75.—**Taylor, S. T.** The influence of pneumothorax on the electrocardiographic findings. U. S. Veterans Bur. M. Bull., 1929, **5**: 850–6, 2 pl.—**Van Horne, H.** Intrathoracic pressure and pleural exudate in artificial pneumothorax. Ibid., 1928, **4**: 604–9.

—— Indication.

Allen, J. H. Artificial pneumothorax in the treatment of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 266–9.—**Billon, L.** Trois observations de tuberculeux traités par la piésithérapie (pneumothorax artificiel) en 1912 et 1913, ayant été soldats et combattants. Marseille méd., 1920, **57**: 1233–47.—**Burnand, R.** Phtisie caséeuse guérie par un pneumothorax artificiel; neuf mois de service dans une bataillon alpin; blessures; trépanation; pas de récidive pulmonaire. Paris méd., 1916–17, **21**: 168–70.—**Hazen, C. M.** The rôle of artificial pneumothorax in the treatment of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1927, **3**: 990–3.—**Head, J. R.** Collapse therapy for pulmonary tuberculosis in veterans of the World War. Rep. Conf. Veterans Admin. Physicians, 1938, 6–13.—**Lacaux & Petchot-Bacqué.** Choc traumatique grave par pneumothorax. Bull. Soc. méd. mil. fr., 1937, **31**: 588–94.—**Pilod, M. L. E.** Le pneumothorax artificiel dans le traitement de la tuberoulose pulmonaire: les conditions de son application dans l'armée. Arch. méd. pharm. mil., 1926, **84**: 103–18.—**Poust, L. R.** Pneumothorax and its application to the tuberculous Filipino. Mil. Surgeon, 1930, **67**: 49–59.—**Riggs, L. D.** Artificial pneumothorax in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6**: 780–3.—**Shamaskin, A.** The choice between partial thoracoplasty and pneumothorax. Med. Bull. Veterans Admin., 1944–45, **21**: 23–6.—**Simington, A. D.** Artificial pneumothorax treatment of pulmonary tuberculosis in Negroes. Ibid., 1934–35, **11**: 29.—**Spence, G. S.** Collapse therapy in pulmonary tuberculosis. Ibid., 1938–39, **15**: 349.—**Spuzić, V.** [Pneumothorax in pulmonary tuberculosis] Voj. san. glasnik, 1933, **4**: 331–48, 12 pl.—**Wolff-Eisner.** Fall von operativem Pneumothorax als Kriegsteilnehmer. Berl. klin. Wschr., 1917, **54**: 120.

—— spontaneous.

Bacchialoni, A., & Castellaneta, V. Il pneumotoracc spontaneo nelle affezioni acute polmonari. Gior. med. mil., 1935, **83**: 560–8.—**Bellon, J. G. F. E.** Pneumo-hémothorax spontané. Arch. méd. pharm. mil., 1934, **100**: 305–13.—**Benedict, C. C.** Pneumothorax, spontaneous bilateral, with report of three cases. U. S. Veterans Bur. M. Bull., 1928, **4**: 599–604.—**Castro García, L., & Remolina Pardo, R. L.** Comentarios a un caso de neumotórax espontáneo por goma sifilítico subpleural. Rev. españ. med. cir. guerra, 1941, **6**: 139–66.—**Filibeck, G.** Sul pneumotorace spontaneo benigno; contributo casistico. Gior. med. mil., 1939, **87**: 457–68.—**Fine, H. M.** Spontaneous pneumothorax without evidence of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1929, **5**: 461.—**Ginsberg, S. T., Sollod, B. W., & Adams, C. C.** Primary spontaneous pneumothorax; report of a case and review of the literature. Med. Bull. Veterans Admin., 1941–42, **18**: 26–9.—**Hope, J. W., & Surber, A. C.,** jr. Spontaneous pneumothorax. U. S. Nav. M. Bull., 1946, **46**: 1600–3.—**Kesterson, W. J.** Spontaneous pneumothorax, nontuberculous, with recovery. U. S. Veterans Bur. M. Bull., 1929, **5**: 463.—**Knetsch.** Der idiopathische Spontanpneumothorax. Deut. Militärarzt, 1939, **4**: 84–9.—**Kukliński, I.** [Spontaneous pneumothorax from radiological viewpoint] Lek. wojsk., 1932, **20**: 65–72.—**Lewis, J. L.** Idiopathic spontaneous pneumothorax. Med. Bull. Veterans Admin., 1934, **10**: 243–5.—**Lipscomb, H. R.** Spontaneous pneumothorax. U. S. Veterans Bur. M. Bull., 1927, **3**: 1045–7.—**Loving, R. S.** Spontaneous pneumothorax. Mil. Surgeon, 1929, **44**: 533–8.—**Miorcec.** Un cas de pneumothorax spontané observé chez une jeune conscrit. Bull. Soc. méd. mil. fr., 1929, **23**: 52–5.—**Payn, S. B., & Lief, V. F.** Spontaneous hemopneumothorax; report of a case. Bull. U. S. Army M. Dep., 1945, No. 84, 94–9.—**Pease, P. P., Steuer, L. G., & Chapman, A. S.** Spontaneous pneumothorax in soldiers. Ibid., 1944, No. 82, 102–7.—**Pupek, B. S.** Spontaneous pneumothorax; with report of case. U. S. Nav. M. Bull., 1926, **24**: 914–8.—**Richmond, P.** Spontaneous pneumothorax in the apparently healthy. Ibid., 1940, **38**: 306–8.—**Rudolf, O.** Spontani pneumotoraks. Voj. san. pregl., Beogr., 1948, **5**: 29–32.—**Schlomovitz, B. H., Glickman, L. G., & Wolff, M.** Simultaneous bilateral spontaneous pneumothorax in pneumoconiosis. Med. Bull. Veterans Admin., 1934–35, **11**: 153–8.—**Schomer, A., & Ehrlich, D. E.** Spontaneous pneumothorax. Ibid., 206–16.—**Sprague, J. S.** Spontaneous, nonsimultaneous bilateral pneumothorax. Ibid., 262–5.—**Tucaković, M.** [Spontaneous pneumothorax] Voj. san. glasnik, 1940, **11**: 171–4.—**Volf, Brouard & Paraire.** Pneumothorax spontané latent, non tuberculeux. Bull. Soc. méd. mil. fr., 1935, **29**: 241–3.—**Watterson, W. H.** Deflation of the pleural cavity in the treatment of spontaneous pneumothorax. U. S. Veterans Bur. M. Bull., 1926, **2**: 467–73, 8 pl.—**Weinstein, L. J.** Simultaneous bilateral spontaneous pneumothorax. Mil. Surgeon, 1938, **72**: 453–8.

—— Technic.

Cardelie, B., & Arias Avellan, J. Un caso de crisoterapia intra-pleural por neumotórax ineficaz. Rev. san. mil., Habana, 1939, **3**: 266–73.—**Groves, D. G.** Management of patients in whom artificial pneumothorax has been induced. Med. Bull. Veterans Admin., 1935–36, **12**: 251.—**Ruvidić, Z., & Pavlović, V.** [Artificial pneumothorax] Voj. san. glasnik, 1931. **2**: 267–303.—**Thomas, I.** Indications, contraindications, and technique of artificial pneumothorax. U. S. Veterans Bur. M. Bull., 1930, **6**: 956–8.—**Van Horne, H.** The later stages of artificial pneumothorax. Ibid., 1929, **5**: 507–11.

—— traumatic.

See also **Thoracic injury.**

Aranda de Rojas, M. Neumotórax espontáneo consecutivo a onda explosiva. Rev. españ. med. cir. guerra, 1943–44, **6**: 310–8.—**Dean, J. P.** Bilateral pneumothorax; report of a case following trauma of abdomen. Mil. Surgeon, 1933, **72**: 388–91.—**Dundee, J. C.** The post-operative treatment of battle casualtics having hemopneumothorax in the evacuation hospital. Med. Bull. North Afr. Theater U. S., 1944, **1**: 27–9.—**Girgolav, S. S.** [Primary surgical aid in open pneumothorax] Voen. san. delo, 1943, No. 8, 38–40.—**Holt.** Pneumothorax. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 138.—**Kulazhenko, V. I.** [Primary valve bandage in wounds with open pneumothorax] Voen. san. delo, 1942, No. 11, 72.—**Pagés, F.** Sobre la existencia de un espacio paravertebral hipersonoro en los pneumotórax de tensión. Rev. san. mil., Madr., 1923, 3. ser., **13**: 265; 298.—**Souza, F. de.** Pneumotórax traumático esquerdo total por contusão torácica, sem fratura nem lesões externas. Rev. med. mil., Rio, 1944, **33**: 59–66.

PODIATRY.

See under **Chiropody; Foot.**

POISON.

See also **Poisoning**; also names of poisonous substances.

United States. Navy Department. General safety rules (United States Navy yards and naval stations) Section 4: Industrial poisons and dangerous substances, 1931. 39p. 18cm. Wash., 1931.

Chlorinated solvents, methyl chloride and methyl bromide, health hazards of (Form letter) Bumed News Lett., Wash., 1944, **4**: No. 6, 41–7.—**Fabre, R.** Toxicologia arsenicului. Rev. san. mil., Bucur., 1936, **35**: 877–83.—**Glebovich, A.** Antifriz. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 217–22.—**Heubner.** Liver damaging poisons. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 296–8.—**Noble, R. L.** Report on the toxicity of V–12. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 5, C.6145, 1–4.—**Rice, J. C.** Toxicology in relation to war industries. Merck Rep., 1944, **53**: No. 2, 28–30.—**Shronts, J. F.** The toxicity of sodium arsenite (penite) Bumed News Lett., Wash., 1945, **5**: No. 3, 24.—**Toxicity** of industrial materials. Med. Bull. U. S. First Army, 1948, **3**: No. 11, 21–3.—**Toxicity** of proposed insect repellents, miticides, and lousicides; Food and Drug Administration. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 66.

—— animal.

See also **Poisoning**—by animals.

Hartinger, A. O. A neutralizing solution for the venom of snake and black widow spider bites. Med. Bull. Veterans Admin., 1944–45, **21**: 216.—**Pavlovsky, E.** Vtoričnо jadovitye ryby. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1278. ——— **& Petrovsky, K.** Jadovitye životnye. Ibid., 1270–9.—**Ramzin, S.** Otrovni pauk Lathrodectes tredecimguttatus. Voj. san. pregl., Beogr., 1947, **4**: 267.

—— gas.

See also subheading (war) also **Gas; Gas poisoning; Gas warfare.**

Friedrich, F. Chemische Kampfstoffe und sonstige Giftgase, Industriegase, und ihre Therapie. 23p. 20cm. Münch., 1939[?]

Mohler, H. Rotkreuze (Nesselstoffe) Schweiz. Apoth. Ztg, 1941, **79**: 13–5.—**Orbeli, L. A., Brestkin, M. P.** [et al.] Toksičeskoe dejstvie azota i helija na životnykh pri povyšennom atmosferičeskom davlenii. Voen. med. sborn., 1944, **1**: 109–18.—**Rahm, N.** Schema för gasbehandling [tab.] In: Fältmed. vademecum, Stockh., 1940, 136–9.—**Rei, H.** Gase als Kriegsmittel in der Weltgeschichte. Schweiz. Apoth. Ztg. 1939, **77**: 461.—**Wie** schützt man sich gegen Kampfgase? Ibid., 1940, **78**: 77.

—— plant.

See also under **Dermatitis; Poisoning**—by plants.

Turner, J. M. Papaya and banana decomposition as possible source of noxious vapor. 10p. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–207, U. S. Nav. M. Res. Inst.

Eşref, Oytun [Toxicology of native plants; rhubarb] Askerî tibbi baytarî mecmuası, 1936, **13**: 389–93. ——— [Toxicology of native plants; Euphorbia] Ibid., 1938, **15**: 307–12.—**Petrovsky, K.** Jadovitye rastenija. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1279–83, pl.

—— war.

See also other subheadings; also **Chemical warfare; Gas warfare.**

Brunois, M. *Notions élémentaires et pratiques sur les toxiques de guerre. 114p. 24cm. Par., 1939.

Kämpf, P. Chemische Kampfstoffe, ihre Darstellung, Wirkung und Entgiftung. Schweiz. Apoth. Ztg. 1936, **74**: 61; 73.—**Kaiser, H.** Die Rezeptur bei Kampfstoffvergiftungen. In his Pharm. Taschenb., 2. Aufl., Stuttg., 1943, **1**: 512–30.—**Lehmann, H.** Eine Vorlesung über Kampfstoffe für Apotheker und Chemiker. Schweiz. Apoth. Ztg, 1939, **77**: 367.—**Oltramare, J. H.** Les toxiques de guerre. In his Chir. guerre, Lausanne, 1944, 411–23.—**S., E.** Neues über Kampfstoffe. Schweiz. Apoth. Ztg, 1940, **78**: 130–2.—**S., W.** Poison as war weapon in history. Australas. J. Pharm., 1941, **22**: 822.—**Thomann, J.** Luftschutz und Gasschutz; eine Vorlesung über Kampfstoffe für Apotheker und Chemiker. Schweiz. Apoth. Ztg, 1939, **77**: 441–4. ——— Luftschutz und Gasschutz; die toxikologische Reichweite der chemischen Kampfstoffe. Ibid., 1940, **78**: 269.

POISON antidote.

Blackwood, J. D., jr. A poison antidote box. U. S. Nav. M. Bull., 1937, **35**: 489.—**Contents** of emergency cabinet for the treatment of poisoning. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 3, 7.—**Zur-Linden, W.** Antidoting some common poisons with chemicals listed on the United States Navy Medical Supply Table. U. S. Nav. M. Bull., 1929, **27**: 343–50.

POISONING.

See also **Casualty; Chemical agent,** Toxicology; **Chemical warfare; Explosive,** Toxicity; **Food poisoning; Gas poisoning; Injury,** chemical; **Munition worker,** Poisoning; also names of toxic compounds as **Carbon monoxide,** Poisoning; **Carbon tetrachloride; D D T; Gallium; Mustard gas; Oxygen poisoning,** etc.

Lange, G. Phosgenforgiftningen og dens behandling. p.127–82. 23cm. Kbh., 1931.

Militaerlaegen, 1931, **37**:

Bayr, G. Seltene Muskelkontrakturen an der Hand nach Vergiftung mit Kohlenoxydgas, Phosphor und Bleibenzin. Deut. Militärarzt, 1943, **8**: 623–32.—**Chambon, M.** Incidence de la guerre actuelle sur quelques types d'intoxications. J. méd. Lyon, 1945, **26**: 85–91.—**Dimethylphthalate** poisoning. Bull. U. S. Army M. Dep., 1944, No. 81, 12.—**Goulart Bueno, E.** Síndromos de origem peçonhenta. Rev. med. mil., Rio, 1941, **30**: 3–22.—**Greene, O.** Sodium fluoride poisoning; report of case. U. S. Nav. M. Bull., 1944, **43**: 551.—**Kuprijanov, P. A.** Kombinirovannye povreždenija; ranenija i poraženija stojkimi i nestojkimi otravljajuśćimi veśćestvami. In: Kratkij kurs voen. polev. khir. (Kuprijanov, P. A., & Banaitis, S. I.) Moskva, 1942, 227–31.—**Lendle, L.** Ueber Vergiftungen bei der Truppe. Deut. Militärarzt, 1943, **8**: 109–14.—**Matusov, P.** Otravlenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 223–50.—**Nikulina, M. M., & Liberman, V. B.** Hematologićeskie osobennosti pri khronićeskom vozdejstvii nekotorykh promyślennykh jadov v Leningrade v 1943–44gg. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 89–108.—**Poisonings,** therapeutic and prophylactic. Statist. Navy M., 1947, **3**: No. 9, 10.—**Prado, F. C. do.** Intoxicações e envenenamentos. In: Man. socor. guerra, S. Paulo, 1943, 96–109, 2 pl.—**Soehring, K.** Vergiftungen im Kriege. Med. Klin., Berl., 1944, **40**: 482–6.—**Volfovskaja, R. N.** Nekotorye voprosy kliniki i terapii otravlenij jadami uduśajuśćego dejstvija. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 118–30.—**Wirth, W.** Vergiftungen bei der Wehrmacht. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 568–84.—**Yamanoi, A.** Ni-san no tyūdoku-syō ni tuite [Regarding several diseases due to poisoning] Gun idan zassi, 1925, 1263–92.—**Zipf, K.** Vergiftungen im Kriege. Klin. Wschr., 1943, **22**: 131.

—— by animals.

See also **Snake bite; Poison,** animal.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Medical series 1, No. 4: Poisoning by snakes, plants and fish. 16p. 27cm. Orlando, 1944.

Petrovsky, K. Jadovitye životnye, vyzyvajuśćie piśćevye otravlenija. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1277.

—— by gas.

See **Chemical warfare; Gas poisoning; Gas warfare.**

—— by plants.

See also **Poison,** Plant.

Eads, J. T., & Kash, R. M. Favism; report of a case. U. S. Nav. M. Bull., 1943, **41**: 1720–4.—**French, S. W.** A case of skin sensitivity to Parthenium hysterophorus. Mil. Surgeon, 1930, **66**: 673–6.—**Lascalea, M. C., Avogadro, A., & Cabo, H.** Latirismo. Rev. san. mil., B. Air., 1945, **44**: 1764–70.—**Walsh, F. C.** Bitter apple poisoning. U. S. Veterans Bur. M. Bull., 1929, **5**: 212.—**Winter, H. E.** Notes on a case of muscarine poisoning, complicated by malaria. J. R. Army M. Corps, 1912, **18**: 445.

POISONOUS snake.

See **Snake bite.**

POISON plant dermatitis.

See under **Dermatitis.**

POLAND.

For appropriate references to this country see the following subject headings: **Aeromedicine; Air Force Medical Service; Hospital report; Medical officer**—by countries; **Medical organization**—by countries; **Medical service; Morbidity; Nutrition service; Psychiatry; Ration; Recruiting; Reserve officer; Sanitation; Surgery; Surgical organization; Tuberculosis geography; Venereal disease; World War I; World War II.**

POLAR area.

See under **Arctic service.**

POLARIMETER.

Development of a photoelectric polarimeter with variable electric field. Res. Program U. S. Army M. Res. Bd, 1947, July, 104.—**Development** of a polarographic flowmeter. Ibid., 1946, Oct., 135.—**Durrum, E. L.** Development of a photoelectric polarimeter with variable electrical field. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 3, No. 14, 1.

POLAROID goggles.

See under **Eyeglass.**

POLIOENCEPHALITIS.

See also **Encephalitis.**

Goldstein, D. M., Hammon, W. M., & Viets, H. R. An outbreak of polioencephalitis among Navy cadets, possibly food borne. J. Am. M. Ass., 1946, **131:** 569–73.

POLIOMYELITIS.

See also **Nervous system,** Disease.

United States. War Department. Technical bulletin TB MED 193: Poliomyelitis. 8p. 26cm. Wash., 1945.

Argüello Rufilanchas, F., & Villalonga Guerra, M. Profilaxis y tratamiento de la enfermedad de Heine-Medin. Med. & cir. guerra, 1947, **9:** 387–91.—**Barnum, G. L., & Bower, A. G.** Response of acute poliomyelitis to large doses of plasma. U. S. Nav. M. Bull., 1944, **42:** 730.—**Brainerd, H.** Acute anterior poliomyelitis. California West. M., 1944, **61:** 242–4.—**Cannata, S.** Morbo di Heine Medin. Gior. med. mil., 1937, **85:** 459.—**Conzett, D. C.** Device for making hot packs. Bull. U. S. Army M. Dep., 1943, No. 70, 87.—**Doinikov, B.** Poliomielit. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 730–4.—**Ferrabouc, L.** La transmission de la poliomyélite. Arch. méd. pharm. mil., 1932, **96:** 53–64.—**Frankel, C. J.** The Kenny method for the treatment of poliomyelitis. Mil. Surgeon, 1943, **93:** 60–2.—**Frazier, V. E.** Acute poliomyelitis case transported by air. J. Aviat. M., 1944, **15:** 195.—**Illingworth, R. S.** Poliomyelitis and meningismus; a hundred cases. J. R. Army M. Corps, 1945, **84:** 210–7.—**Kaul, S.** Poliomyelitis; some recent developments. J. Ind. Army M. Corps, 1949, **5:** 24–8.—**Madrid, D.** The poliomyelitis patient. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 2, 16.—**Magalhaes, A.** La poliomielitis. Rev. san. mil., B. Air., 1943, **42:** 47; 117.—**Management** of poliomyelitis [Circ. Letter No. 175, U. S. War Dep., Surgeon General's Office] J. Am. M. Ass., 1943, **123:** 841.—**Morgan, I. M.** Report from Dr Morgan's laboratory at Poliomyelitis Research Center, Johns Hopkins University. Annual Rep. Com. Immuniz. U. S. Army, 1949, 14–7.—**Nase, H.** Poliomyelitis acuta anterior und Wehrdienstbeschädigung. Münch. med. Wschr., 1941, **88:** 293–5.—**Poliomyelitis.** Med. Bull. U. S. First Army, 1949, **4:** No. 8, 9.—**Poliomyelitis,** Lansing strain. Res. Program U. S. Army M. Res. Bd, 1947, July, 81.—**Short, D. S.** Disorders of micturition in poliomyelitis; some observations on pathology and treatment. J. R. Army M. Corps, 1949, **93:** 34–42.—**Transmission** of poliomyelitis. Bull. U. S. Army M. Dep., 1946, **6:** 668–70.—**Zeiss, H.** Spinale Kinderlähmung. In: Wehrhygiene (Handloser, S.) Berl., 1944, 97–9.

—— Incidence.

See also **Morbidity,** United States; **World War II** subheadings (Great Britain; Middle East)

Argüello, F., & Villalonga, M. Estudio epidemiológico de la parálisis infantil. Med. & cir. guerra, 1947, **9:** 117–29.—**Blan, P.** Remarques à propos d'une épidémie de poliomyélite antérieure aiguë. Bull. Soc. méd. mil. fr., 1948, **42:** 56–9.—**Davis, W. D., & Silverstein, C. M.** Poliomyelitis; study of an epidemic of forty cases, Key West, Florida, May–August 1946. U. S. Nav. M. Bull., 1947, **47:** 910; 1102.—**Epidemic** of poliomyelitis in a regiment. J. Am. M. Ass., 1938, **111:** 74.—**Findlay, G. M., Anderson, J. R., & Haggie, M. H. K.** Poliomyelitis in West Africa. J. R. Army M. Corps, 1946, **86:** 20–5.—**Hillman, C. C.** Poliomyelitis in the Philippine Islands. Mil. Surgeon, 1936, **79:** 48–58.—**Jack, D. B.** Outbreak of anterior poliomyelitis in H. M. S. Jamaica. J. R. Nav. M. Serv., 1946, **32:** 289–91.—**Jackson, F. W.** Poliomyelitis in Manitoba, 1936. Mil. Surgeon, 1938, **82:** 42–52.—**MacFarlan, A. M.** Poliomyelitis in Singapore. J. R. Army M. Corps, 1946, **87:** 37–9.—**Mayer, F. J.** Poliomyelitis summary, 361st Hospital. Circ. M. Sect. Far East Command, 1947, No. 11, 15–9.—**Paine, R. S.** Poliomyelitis in Berlin. Med. Bull. Europ. Command, 1949, **6:** No. 8, 3–9.—**Pfister, H. O.** Die sanitätsdienstlichen Massnahmen während der Kinderlähmungsepidemie des Gebirgs-Schützen-Bataillons 11 im Wiederholungskurs 1937 in Erstfeld. Schweiz. med. Wschr., 1938, **68:** 429.—**Poliomyelitis** in 1946. Statist. Navy M., 1947, **3:** No. 6, 4.—**Vollenweider, P.** Ueber Massnahmen in der Armee gegen die epidemische Kinderlähmung in den Jahren 1936 und 1937. Vjschr. schweiz. Sanitätsoff., 1938, **15:** 62–6.

—— Virus.

Hurlbut, H. S. Inability of mosquitoes to transmit the Lansing strain of poliomyelitis virus to mice. 7p. 26½cm. Bethesda, 1948.

Forms Rep. No. 3, Res. Proj. NM 005 007, U. S. Nav. M. Res. Inst.

—— The recovery of poliomyelitis virus after parenteral introduction into cockroaches and houseflies. 4p. 26½cm. Bethesda, 1949.

Forms Rep. No. 8, Res. Proj. NM 005 007, U. S. Nav. M. Res. Inst.

Another virus by mouth. Bull. Army M. Dep., Lond., 1945, No. 46, 2.—**Barondes, R. D.** Extrahuman sources of poliovirus; new concept on the pathogenetics of the viruses. Mil. Surgeon, 1949, **105:** 400–8.—**Inability** of mosquitoes to transmit the Lansing strain of poliomyelitis virus to mice. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 7.—**Virus** of poliomyelitis. Bull. U. S. Army M. Dep., 1945, **4:** 630.

POLISH insurrection [1863–64]

See under **Wars and campaigns.**

POLYARTERITIS.

Syn.: Periarteritis nodosa.

Hunter, R. C., Edger, H. D. [et al.] [Periarteritis nodosa] Bull. U. S. Army M. Dep., 1949, **9:** 852–9.—**Solomon & Clark, E.** A case of malignant hypertension [due to p.] Ibid., 1947, **7:** 977–84.—**Thompson, C. M.** Periarteritis nodosa; report of a case. U. S. Nav. M. Bull., 1944, **43:** 1220–7.

POLYARTHRITIS.

See also **Rheumatic fever.**

Kuzell, W. C., & Hanzlik, P. J. Gold arrests polyarthritis, but? Research Rev. (U. S. Navy) 1949, Apr., 7–9.

—— Reiter's type.

See also **Dysentery.**

Lockwood, J. H. Reiter's disease, Behcet's syndrome, and Stevens-Johnson disease; a study and comparison. U. S. Nav. M. Bull., 1949, **49:** 41–9.—**Magiera, S. L.** Reiter's disease; a review with presentation of a case. Ibid., 1948, **48:** 463–7.—**Olenick, E. J., & Sargent, J. W.** Urologic and ophthalmologic observations in two cases of Reiter's syndrome. Ibid., 1947, **47:** 657–62.—**Pinck, B. D.** Reiter's syndrome. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 4, 8–15.—**Rosenblum, H. H.** So-called Reiter's diseasc; the triad of acute arthritis, conjunctivitis, and urethritis. U. S. Nav. M. Bull., 1945, **44:** 375–8.—**Swanson, C. A., & Delaney, A. J.** A discussion of Reiter's syndrome with report of a case. Ibid., 1948, **48:** 503–9.—**Throm, U. L.,** II. Reiter's disease with keratosis blennorrhagica. Mil. Surgeon, 1949, **105:** 287–92.

POLYCYSTIC disease.

See also **Pancreas.**

Silva y Ruiz, F. E., Prats Canalejo, A. I., & Pérez Ara, A. Enfermedad poliquística del hígado; reporte de un caso. Bol. Hosp. milit., Habana, 1949, **2:** 55–70.

POLYCYTHEMIA.

See **Erythremia.**

POLYGRAPH.

See under **Radiodiagnostics.**

POLYMER.

See under **Plastic material.**

POLYNEURITIS.

See also **Diphtheria,** Pathology; **Nervous system,** Disease; **Neuritis.**

DesRochers, J. B. Polyneuritis: a study of certain types. Med. Bull. Veterans Admin., 1937–38, **14:** 262–6.—**Erps, B.** Polyneuritis complicated by temporal arteritis. Ibid., 1942–43, **19:** 355.—**Fitzgerald, P. J., & Wood, H.** Acute ascending paralysis (Guillain-Barré syndrome) U. S. Nav. M. Bull., 1944, **43:** 4–12.—**Goode, D.** Multiple neuritis. U. S. Veterans Bur. M. Bull., 1928, **4:** 616–9.—**Johnson, J. W., jr.** Infectious polyneuritis; diagnostic criteria and military implications; report of 15 cases. Med. Bull. Medit. Theater U. S., 1944, **2:** 149–59.

——— Infectious polyneuritis. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 109–18.—**Meluzov, V. V.** Slućaj ostrago mnożestvennago nevrita s diplegia facialis. Voen. med. J., S. Peterb., 1914, **239:** Med. spec. pt, 53–5.—**Noica & Bagdasar, D.** Sur un cas de polynévrite datant de l'enfance. Rev. neur., Par., 1926, **33:** pt 2, 445–7.—**Sanford, H.** Polyneuritis associated with cutaneous diphtheria. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 170–3.—**Scharff, O.** Zum Krankheitsbild der Polyradikuloneuritis. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 698–702.—**Sprügel, W.** Postserotherapeutische Polyneuritis und Lähmung. Deut. Militärarzt, 1941, **6:** 275–7.—**Stearns, A. W., & Harris, H. I.** Infectious polyneuritis; a report of 4 cases. U. S. Nav. M. Bull., 1944, **43:** 13–6.

POLYPUS.

See under **Nose,** Disease.

POLYRADICULONEURITIS.

See with **Polyneuritis.**

POLYSCLEROSIS.

Syn.: Multiple (disseminated) sclerosis.

Saegesser, M. *Multiple Sklerose und Militärdienst. 22p. 8° Basel, 1928.
Also Schweiz. med. Wschr., 1928, **58:** 794–9.

Bowley, B. B. The ocular manifestations of multiple sclerosis. U. S. Veterans Bur. M. Bull., 1926, **2:** 481–4.—**Crouch, E. L.** Multiple sclerosis. Ibid., 1928, **4:** 839–45.—**Dussik, C. T.** [Multiple sclerosis] CIOS Rep., Lond., 1945, Item 24, No. XXVIII–49, 115.—**Folly.** Sclérose en plaques à forme quadriplégique. Bull. Soc. méd. mil. fr., 1926, **20:** 8–11.—**Hawe, D. W.** A case of disseminated sclerosis. Med. Bull. Europ. Command, 1949, **6:** No. 9, 13.—**Jackson, C. R.** Multiple sclerosis. Med. Bull. Veterans Admin., 1937–38, **14:** 105–12.—**Malone, W. H.** Psychosis with multiple sclerosis. Ibid., 113–7.—**Orr, E. H.** Multiple sclerosis with marked cerebral arteriosclerosis and small multiple areas of cerebral softening. Ibid., 1941–42, **18:** 326.—**Wayne, G. J., & Beare, W. K.** Hysteria or multiple sclerosis. Air Surgeon Bull. 1945, **2:** 234.

POLYSEROSITIS.

See under **Rheumatic fever.**

POPULATION.

See **National defense,** Defense area.

PORPHYRIA.

Acute porphyria, a seldom recognized clinical entity. Med. Bull. U. S. First Army, 1946, No. 5, 8.—**Campbell, R. E., Webb, W. M.** [et al.] [Acute porphyria] Bull. U. S. Army M. Dep., 1949, **9:** 511–8.—**Hendin, A.** Acute porphyria. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4:** No. 3, 11–3.

PORT.

See also **Airport.** For port hospital see under **Hospital.**

D'Onofrio, R. Los médicos de sanidad de puertos. Rev. pub. nav., B. Air., 1948, **1:** 37–48.—**Emden, H.** Organisation des zivilen Luftschutzes in Häfen. Gasschutz, 1934, **4:** 253–7.—**Gordon, J. E.** Sanitary control of ports. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 8, 1–3.—**Home** port; the Red Cross and the sailor. Red Cross Courier, 1939–40, **19:** No. 12, 12–5.—**Robarts, C. J.** Observations on small ports. J. R. Nav. M. Serv., 1945, **31:** 99–103.

PORTABLE surgical hospital.

See under **Hospital.**

PORTAL vein.

See also **Liver disease.**

Walker, F. I. Матеріалы к вопросу о тромбозе v. portae. p. 155–205. 8° S. Peterb., 1912.
Raboty Proped khir. klin. Imp. Voen. med. akad. Oppel, S. Peterb., 1912, **4:**

PORTUGAL.

For appropriate references see the following headings of the Military Section: **Hospital report; Medical organization**—by countries; **Medical service; Morbidity; Pharmaceutical service; Pharmacy; Psychiatry; Sanitation; Tuberculosis geography; Venereal disease; World War I; World War II.**

PORTUGUESE War of Restoration [1640–1755]

See under **Wars and Campaigns.**

POSITION [of body]

See under **Acceleration,** Protection: Position; **Aircraft,** Prone position; **Posture.**

POSTOPERATIVE care.

See also next heading; also **Surgical technic.**

Anderson, N. W. Nursing requirements of the surgical patient. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 6, 10–3.—**Goriunov, E. A.** Lećebnaja fizkultura v posleoperacionnom periode. Voen. san. delo, 1940, No. 5. 94–8.—**Khromov, B. M.** Do-i posleoperacionnyj period u poražennykh BOV. Ibid., No. 6, 37–47.—**Kniazkov, E. D.** [Duration of exemption from duties in the Red Army following operations for appendicitis and hernia] Tr. Acad. mil. méd. Kiroff, 1936, **7:** 137–9.—**Koufman, W. B.** Control of postoperative atonic intestinal states with prostigmin. Mil. Surgeon, 1943, **93:** 187–90.—**Moutinho dos Reis, E.** Post-operatório na guerra. Hospital, Rio, 1946, **30:** 663–72. Also Rev. med. mil., Rio, 1946, **35:** 173–83.—**Pacheco, L. P. de A.** Consideracões sobre o pós-operatório. Ibid., 1949, **38:** 273–8.—**Plasma** amino nitrogen following surgery. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 15.—**Saegesser, M.** Sind Traubenzuckerinfusionen in der postoperativen Phase zweckmässig? Deut. Militärarzt, 1940, **5:** 566 (Abstr.)—**Thorndike, A.** Rehabilitation of the surgical patient in Army hospitals in World War II. Am. J. Surg., 1946, **72:** 404–13.—**Willan, R. J.** Notes on post-operative treatment; abridgment of clinical lectures to students at the Royal Victoria Infirmary, Newcastle-on-Tyne. J. R. Nav. M. Serv., 1933, **19:** 262–9.

POSTOPERATIVE period.

See also **Surgical technic.**

United States. Veterans Administration. Technical bulletin TB 10A–182: Establishment of period constituting first and subsequent days after operation. [1]p. 27cm. Wash., 1949.

Badelon, P., & Morvan. La maladie post-opératoire. Arch. méd. pharm. nav., 1936, **126:** 777–95.—**Bird, H. M., Kilner, S. D., & Martin, D. J.** Post-operative respiratory complications in service cases. Brit. M. J., 1943, **1:** 754.—**Harris, T. A. B.** Post-operative pulmonary complications in troops. Brit. J. Anaesth., 1942–43, **18:** 11–26.—**Santucci, G.** Le perturbazioni umorali post-operatorie. Gior. med. mil., 1939, **87:** 179; 297.—**Shafit** [Postoperative pulmonary complications] Tr. Acad. mil. méd. Kiroff, 1935, **3:** 231–50.—**Tejerina González, F., & Botella Llusiá, J.** La hiperazotemia postoperatoria y su mecanismo de producción. Actas Congr. méd mil. (Spain) 1939, 1. Congr., 309–16.—**Tikhomirov, D.** [The postoperative period in the surgical ward of the military hospital] Voen. san. delo, 1935, No. 9, 15.—**Zagarese, F.** Studio sperimentale della ipocloremia post-operatoria. Ann. med. nav., Roma, 1934, **40:** pt 2, 505–28.

POSTURE.

Knowlton, G. C. Postural fatigue on long range fighter missions. 2 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–696–75B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Mettert, M. T. Women's effective war work requires good posture, 6p. 23½cm. Wash., 1943.

Rice, H. V., & Feldsted, E. T. A study of the relation of posture to the cardiovascular system and volume of the lower extremities. 27p. 28cm. Ottawa, 1945.

Forms No. C-6229, Rep. Com. Army M. Res. Nat. Res. Counc. Canada.

Andrews, B. Posture wears a uniform. J. Health Phys. Educ., 1944, **15**: 486.—**Benson, R. A.** The penalties of upright posture. U. S. Nav. M. Bull., 1938, **36**: 563–8.—**Lange, M.** Die Bedeutung von Fehlhaltungen und Fehlformen für die Beurteilung der Leistungsfähigkeit des Rumpfes. Deut. Militärarzt, 1938, **3**: 406–13.—**Lo Monaco Croce, T., Tagliamonte, B., & Forti, L.** Influenza di alcune posizioni corporee sul rendimento respiratorio. Riv. med. aeronaut., 1948, **11**: 337–50.—**Mott, G. E.** Posture. U. S. Nav. M. Bull., 1927, **25**: 1–19, 10 pl.

POST-VACCINAL encephalitis.

See **Encephalomyelitis,** post-vaccinal.

POSTWAR planning.

See also **Food supply,** postwar; also under **Militarism; Planning; Repatriation; Veteran,** Problems.

Fishbein, M., & Roberts, K. The medical profession in postwar society. p.201–28. 21cm. N. Y., 1944.

Forms No. 9, ser. 3, Conf. Inst. Postwar Reconstruct. N. York Univ.

National (The) Conference on Planning for War and Postwar Medical Services. J. Am. M. Ass., 1943, **121**: 764. Also Science, 1943, **97**: 281.—**Postwar** planning; results of an A. M. A. pilot questionnaire. Pennsylvania M. J., 1943–44, **47**: 1046–9.—**Sutton, L. E.,** jr. After the war, what next? South. M. J., 1943, **36**: 105–8.—**Utzinger, O. E.** Post war medicine. Southwest. M., 1943, **27**: 116–8.

POTASSIUM.

Baldwin, D., Kahana, E. M., & Clarke, R. W. The renal excretion of sodium and potassium in the dog. 22 l. 29cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–06–(17) U. S. Army M. Dep. Field Res. Laborat.

Hoff, H. E. Peripheral regulation of autonomic balance by serum potassium. 7p. 28cm. Ottawa [?] 1944 [?]

Forms No. C–6083, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Kierz, J. Poziom potasu w osoczu konserwowanej krwi jako sprawdzian zdatności jej do transfuzji. Lek. wojsk., 1946, 39–41.

POTATO.

Germany. Luftwaffe [Luftwaffen-Druckvorschrift] L. Dv. 43a: Die Verwaltung der Truppenküchen bei der Luftwaffe. Beiheft 3: Die Kartoffel in der Soldatenernährung, insbesondere im Winter. 16p. 21cm. Lpz., 1942.

Lauersen, F. Die Speisekartoffel; die wissenschaftlichen Grundlagen ihrer rationellen Verwendung in der Grossküche. 183p. 23½cm. Dresd., 1944.

Forms v.3, Wehrmacht Verpfleg., Dresd., 1944.

Samcevich, S. A. Ispolzovanie morożenogo kartofelja· Voen. med. J., Moskva, 1945, 52.—**Vitamin C** (ascorbic acid) in potatoes. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 35.

POUCH.

See **Burial pouch.**

POWDER.

See **Gunpowder.**

POWDERED egg.

See under **Egg.**

PRACTICE.

See also **Military medicine,** Practice; **Physician; Postwar planning.**

Allied Forces. Supreme Headquarters. Report on Nazi laws in the field of public health. 73 l. 28cm. n.p., 1944.

Bainbridge, W. S. Les rapports de la médecine, de la chirurgie et de la dentisterie dans la pratique militaire et civile. Bull. internat. Serv. santé, Liége, 1938, **11**: 566–82.—**Farkas.** Die Ausdehnung der internationalen ärztlichen Tätigkeit in Kriegszeiten. C. rend. Congr. internat. méd., (1909) 1910, 16. Congr., Sect. XX, 340–5.—**H., A. R.** On readjustment of medical practice. Dis. Eye &c. Throat, 1942, **2**: 227.—**Lavalée, G.** Mutualité familiale du Corps médical français. Concours méd., 1940, **62**: 749.—**Medical** (The) practitioner and his motor car in war time. Practitioner, Lond., 1940, **144**: 512–5.—**Nedelec.** Note sur une expérience de médecine civile par des médecins mobilisés dans la zone des armées. Concours méd., 1940, **62**: 841.

—— Protection.

See also under **Dental Reserve; Physician,** Protection of income.

B., W. H. The war; its problems and your practice. Week. Bull. Jackson Co. M. Soc., 1941–42, **36**: 706.—**Leis** de proteção e de defesa do trabalho do médico. Rev. méd. cir. Brasil, 1944, **52**: 611–8.—**Need** the war communize medicine? Nassau M. News, 1942, **16**: No. 11, 1.

—— Psychological aspect.

See also **Patient.**

Emotional attitude towards patients. Bull. Army M. Dep., Lond., 1944, No. 36, 4.—**Galvin, J. A.** Patient-doctor anxiety. Med. Bull. Europ. Command, 1949, **6**: No. 7, 13–6.—**Successful** (The) physician. U. S. Nav. M. Bull., 1939, **37**: 317.

—— in wartime.

See also **Preparedness,** medical.

C., R. La vie médicale à Bordeaux pendant la guerre. J. méd. Bordeaux, 1940, **117**: pt 1, 58.—**Carey, E. J.** Effect of current trends in the control of medicine. West Virginia M. J., 1943, **39**: 146–51.—**Chaney, W. C.** Medical practice in war time. Bull. Am. Coll. Surgeons, 1943, **28**: 190. Also J. Tennessee M. Ass., 1943, **36**: 210.—**Civilian** medical practice. Brit. M. J., 1942, **1**: 540.—**Coordination** of medical services; the profession and the public. Med. J. Australia, 1941, **1**: 617.—**Dumphy, J. J.** Civilian medical practice in wartime. N. England J. M., 1943, **228**: 6–8.—**England** (In) now; a running commentary by peripatetic correspondents. Lancet, Lond., 1940, **2**: 694; passim.—**Greene, T. M.** Medicine in peace and war. Virginia M. Month., 1941, **68**: 437–40.—**Hammond, Neal** [et al.] Medical care of civilians in war time. Illinois M. J., 1943, **84**: 158.—**Hogue, D. W.** Current thoughts on medical service. Ohio M. J., 1943, **39**: 369–71.—**K., M.** Die Betätigung der in Berlin zurückgebliebenen Aerzte während des Krieges. Münch. med. Wschr., 1914, **61**: 1862.—**Lara, C. B.** Reminiscences of war-time civilian medical practice. Month. Bull. Bur. Health, Manila, 1946, **22**: No. 2, 9–26.—**Leighton, A. P.** Present day difficulties of medical practice and licensure. J. Maine M. Ass., 1943, **34**: 231–5.—**McClellan, G. L.** An open letter. Detroit M. News, 1942–43, **34**: No. 33, 6.—**MacEachern, M. T.** Medical and hospital service in war time. Bull. Am. Coll. Surgeons, 1943, **28**: 95–108.—**McNutt, P. V.** Upgrading of medical services. J. Iowa M. Soc., 1942, **32**: 561–3. —— War and medical service. South. Surgeon, 1942, **11**: 227–34.—**Magee, J. C.** Medical activities in time of emergency. Proc. Interst. Postgrad. M. Ass. N. America, 1939, 230–5.—**Maintenance** of minimum standards. Bull. Am. Coll. Surgeons, 1943, **28**: 224–6.—**Medical** service for the civilian population. J. Am. M. Ass., 1939, **113**: 1425.—**Miller, W. N.** Personnel problems of dental practice in war time. Washington Dent. J., 1943, **10**: No. 3, 6–8.—**Molony, W. R.,** sr. Hospitals and medical practice; how physicians and hospitals may render best service during the duration. California West. M., 1943, **58**: 220–3.—**O'Brien, H. R.** Full-time health services urgent. Connecticut Health Bull., 1942, **56**: 247.—**Parran, T.** Civilian medical care in total war. South. M. J., 1943, **36**: 204–9.—**Phifer, C. H.** The influence of war on the practice of medicine; president's address. Illinois M. J., 1942, **81**: 448–53.—**Physicians'** practices in case of a national emergency. J. Am. M. Ass., 1939, **112**: 345.—**Pioneer** medicine for the duration. Texas J. M., 1942–43, **38**: 419–21.—**Pollock, H. C.** Practice dislocations. Am. J. Orthodont., 1942, **28**: 664.—**Professional** problems in war-time; representative body of the British Medical Association. Lancet, Lond., 1941, **2**: 347–9.—**Provision** of medical service in critical areas. Fed. Bull., Chic., 1943, **29**: 152–4. Also J. Am. M. Ass., 1943, **122**: 115.—**Pugh, D. L.** Co-ordination of civil defense medical services. Brit. M. J., 1941, **1**: Suppl., 50.—**Rationing** medical service. Med. Rec., N. Y., 1943, **156**: 70.—**Raulston, B. O.** Civilian medical practice during war time. Bull. Am. Coll. Surgeons, 1943, **28**: 191.—**Stephan, J.** The effects of the present war on the practice of medicine in the British Isles. Phi Chi Q., 1942, **39**: 289–92.—**Sturgis, C. C.** Hickey Memorial Lecture; changes

in the care of civilian patients due to war conditions. Detroit M. News, 1942–43, 34: No. 35, 5.—**United States** medical unit in England. J. Am. M. Ass., 1940, 115: 1469.—**War** has increased dentists income, work, hours. Dent. Surv., 1943, 19: 1535.—**Wilbur, R. L.** Medical care of civilian population during war. J. Am. M. Ass., 1942, 119: 206.—**Winters, C.** American Medical Association Council promises action on crucial problems. Med. Econom., 1942–43, 20: No. 12, 25.

PREFABRICATED hospital.

See **Hospital construction,** packed (&c.)

PREFRONTAL lobotomy.

See **Neurosurgery; Pain,** Surgery; **Psychosurgery.**

PREGNANCY certification.

See under **Discharge.**

PREINDUCTION test.

See under **Neuropsychiatric examination.**

PREMATURE.

See under **War,** Effect.

PREPARATION [surgical]

See under **Surgical technic.**

PREPAREDNESS.

See also **Defense.**

Clausen, W. Van B. Better safe than sorry. Red Cross Courier, 1941–42, 21: No. 6, 9.—**Eliot, M. M.** Children in the defense program. J. Pediat., S. Louis, 1941, 19: 740–7.—**Heidbreder, E.** The orientation of college women toward war needs. J. Consult. Psychol., 1943, 7: 289–95.—**Lasswell, H. D.** The garrison state. Am. J. Sociol., 1940–41, 46: 455–68.—**Marsh, C. J.** Interests in wartime problems as expressed by college women. J. Psychol., Provincet., 1943, 16: 203–7.—**Nation** (The) at war. J. Am. M. Ass., 1941, 117: 2074.—**Peak, H.** A conference on domestic problems of a democracy at war. Psychol. Bull., 1943, 40: 141.—**War** (The) situation. J. Indiana M. Ass., 1940, 33: 370.

—— dental.

See also **Dentist,** Defense role.

Bradley, A. B. Should dental service be rationed? Oral Hyg., Pittsb., 1943, 33: 632.—**Dental** preparedness. N. York J. Dent., 1940, 10: 470.—**Fairbank, L. C.** The mobilization of dentistry for National defense. Ann. Dent., 1939, 6: 187–200.—**Kobrin, N.** The stay-at-homes. Dent. Outlook, N. Y., 1943, 30: 149.—**McCauley, D. J.** The role of the dental school in the war program. J. Dent. Soc. N. York, 1941–42, 8: No. 11, 3–10.—**Mills, R. H.** Dentistry and the war. J. Am. Dent. Ass., 1942, 29: 1754–9.—**Minnesota** dentistry in wartime. Northwest Dent., 1944, 23: 204–7.—**Oliver, O. A.** Some problems of organized dentistry in the present emergency. Bull. Virginia Dent. Ass., 1942–43, 19: 43–9.—**Peden, R. L.** Dental health and defense. Month. Bull. Bd Health Indiana, 1941, 44: 59.—**Senior, W. G.** British Dental Association reports its war experience. Dent. Outlook, N. Y., 1943, 30: 166.—**Swank, E. R.** Don't be an average dentist; superior service is demanded of every dentist in this emergency. Oral Hyg., Pittsb., 1942, 32: 1491–3.—**Timmons, G. D.** Dentistry in the war effort. Proc. Am. Ass. Dent. Schools, 1943, 20: 226–50.—**Walsh, A. L.** Dental education in Canada during war time. Ibid., 1941, 18: 190–204.—**Why** must the government take over the dental schools? Oral Hyg., Pittsb., 1943, 33: 660.

—— Fitness.

See also **Fitness; Manpower,** National health aspect; **Physical training,** Organization.

Benjamin, H. Are you a war-time asset or liability? Health Cult., N. Y., 1941, 47: No. 12, 30.—**Boynton, R. E.** The health of college students and national defense. J. Lancet, 1941, 61: 74.—**Calver, G. W.** Is America physically fit to go to war? Mil. Surgeon, 1939, 84: 299–308.—**Cassidy, R.,** & **Kozman, H. C.** Trends in state wartime physical fitness programs. J. Health Phys. Educ., 1943, 14: 357.—**Cathcart, E. P., Porritt, E. A.** [et al.] Basis (The) of national fitness. Lancet, Lond., 1938, 2: 570–2.—**Collins, L. B.,** & **Blanchard, V. S.** Working conference at New Orleans; national fitness through health, physical education, and recreation. J. Health Phys. Educ., 1942, 13: 178.—**Crampton, C. W.** Military values. Ibid., 472.—**Elvehjem, C. A.** Diet, health and defense. Ohio M. J., 1941, 37: 741–6.—**Fitness** for National defense stressed by recreation experts. Science News Lett., 1940, 38: 231.—**Jones, H. A.** Report on national fitness; a program through schools and colleges. J. Health Phys. Educ., 1942, 13: 133; 193.—**MacFadden, B.** Physical preparedness an imperative duty. Phys. Cult., N. Y., 1941, 85: 4.—**Magee, J. C.** Relationship of the health of civilians to efficiency of the Army. Am. J. Pub. Health, 1940, 30: 1283–90.—**Mosiman, R. E.** Health defense. Wisconsin M. J., 1941, 40: 1068.—**Physical** preparedness. Week. Bull. California Dep. Pub. Health, 1941–42, 20: 97.—**Rice, J. L.** Health preparedness. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 107–11.—**Stafford, F. S.** National preparedness through health, physical education and recreation. Month. Bull. Bd Health Indiana, 1941, 44: 6; 18.—**Van Etten, N. B.** Preparedness through fitness. Westchester M. Bull., 1940, 8: No. 12, 1. ——— Preparedness through fitness. Med. Bull., Wichita, 1941, 10: 5–7. Also Med. Care, 1941, 1: 39–45.—**Vilares, A.** Alimentação, edução física e defesa nacional. Hora med., Rio, 1942, No. 50, 11–9.

—— Hospitals and health resorts.

See also **Hospital,** Preparedness.

A., K. F. We are prepared; St Bartholomew's hospital. Nurs. Times, Lond., 1939, 35: 1306. ——— Brookwood Casualty Hospital, Woking. Ibid., 1394–6.—**Defense** courses at the hospital. Child. Hosp. Arrow, Wash., 1941–42, 47: 4.—**Emch, A. F.** The role of voluntary hospitals in a National emergency. Rocky Mountain M. J., 1940, 37: 948–55.—**Hoffman, C. S.** Chicago hospitals are preparing for war emergencies. Hosp. Counc. Bull., 1942, 5: No. 8, 11–3.—**Hospital** preparedness. Tr. Am. Hosp. Ass., 1940, 42: 119–24.—**Hospitals** in defense program stressed at annual standardization conference. Mod. Hosp., 1941, 57: No. 6, 108.—**Hospitals** and preparedness. Hosp. Topics, 1940, 18: No. 10, 24–6.—**MacLean, B. C.** Preparedness. Tr. Am. Hosp. Ass., 1941, 43: 514–6.—**McClellan, W. S.** The role of spas in medical preparedness. Arch. Phys. Ther., 1941, 22: 656–61.—**Reynolds, C. R.** The importance of health resorts and their facilities in medical preparedness. J. Am. M. Ass., 1943, 123: 832–6.—**Richards, T. H.** A message to the nurses of California. Pacific Coast J. Nurs., 1941, 37: 661.—**Smith, W. H.** Role of civilian hospital in the program of preparedness. Tr. Am. Hosp. Ass. 1940, 42: 984–93. ——— Preparedness of the hospital. Ibid. 1941, 43: 499–502 (Abstr.)—**Training** of subsidiary workers will aid defense program. Hosp. Management, 1941, 52: No. 4, 31.—**We** are prepared; the Middlesex hospital. Nurs. Times, Lond., 1939, 35: 1416–8.—**Wilinsky, C. F.** Hospital preparedness. N. England J. M., 1942, 227: 15–7.—**Zimmerman, R. H.** Additional appropriations for defense center construction appear probable. Mod. Hosp., 1941, 57: No. 6, 100.

—— industrial medical.

See also **Industrial medicine.**

Peterson, C. M. The relation of the problems of industrial medicine to medical preparedness. Rocky Mountain M. J., 1941, 38: 856–9.—**Russell, J. P.** Industrial hygiene and the National defense program. Week. Bull. California Dep. Pub. Health, 1940–41, 19: 149–51.—**Scott, R. M.** The industrial nurse's place in the mobilization program. Month. Bull. Bd Health Indiana, 1941, 44: 4; 16.—**Spolyar, L. W.** Industrial hygiene and the National defense. Ibid., 5; 17.

—— Laws.

Dritte Verordnung des Beauftragten für den Vierjahresplan zur Sicherstellung des Kräftebedarfs für Aufgaben von besonders staatspolitischer Bedeutung, Notdienstverordnung. Reichsgesundhbl., 1938, 13: 897.—**[France]** Ley sobre la organización general de la nación para el tiempo de guerra; 13 julio 1938. Rev. mil., B. Air., 1938, 38: Suppl., No. 9, 3–28.—**Heagerty, J. J.** The National Physical Fitness Act. Canad. J. Pub. Health, 1943, 34: 465–9.—**Kriegswirtschaftsverordnung** (Die) Deut. Apoth. Ztg. 1939, 54: 956.

—— medical.

See also **Dentist,** Defense role; **Physician,** Preparedness; also under names of specialists; also **Emergency medical service.**

Abell, I. The medical profession and medical preparedness. J. Am. M. Ass., 1941, 117: 177–9. Also Mil. Surgeon, 1942, 90: 225–31. Also Tr. Am. Acad. Ophth. Otolar. (1941) 1942, 46: No. 3, Suppl., 48–54. Also Spanish transl., Rev. san. mil., Habana, 1942, 6: 190–5.—**Abell's** (Dr) comments on medical preparedness. J. Indiana M. Ass., 1941, 34: 44.—**Albany** (The) idea. Med. Rec., N. Y., 1917, 91: 636.—**Anderson, W. H.** The challenge to medicine. Mississippi Doctor, 1941–42, 19: 18–22.—**Andrews, A.** Medical preparedness; Navy personnel. N. York State J. M., 1941, 41: 2357.—**Baker, J. N.** Medical preparedness. J. M. Ass. Alabama, 1940–41, 10: 19–27.—**Barker, C.** Medical preparedness in Connecticut. Connecticut M. J., 1940, 4: 513. ——— Progress in preparedness. Ibid., 1941, 5: 36–40.—**Baylis, J. E.** Medical preparedness. J. M. Ass. Georgia, 1941, 30: 434–8.—**Bloodgood, J. C.** Medical preparedness in the great drive for democracy. South. M. J., 1917, 10: 746–52. Also West. M. Rev., 1917, 22: 541–50. Also Dominion M. Month., 1918, 1: 17–26. Also Maryland M. J., 1918, 61: 1–9.—**Borden, D. L.** Medical progress in the war effort. Pennsylvania M. J., 1943–44, 47: 783–9.—**Bracken-**

bury, B. A. If war should come. Illinois M. J., 1938, **74**: 259–62.—**Casey, D. N.** The American way. Mil. Surgeon, 1939, **85**: 326–9.—**Cohen, S. A.** Exhibits and medico-military preparedness. Ibid., 1940, **86**: 341–8.—**Conference** on problems of medical preparedness. J. Am. M. Ass., 1941, **116**: 841.—**Corbusier, H. D.** Program for medico-military preparedness. Mil. Surgeon, 1941, **88**: 556. ——— Medical preparedness. Southwest. M., 1941, **25**: 197–202.—**Cousins, W. L.** Medical preparedness. J. Maine M. Ass., 1917–18, **8**: 43–54.—**Coventry, W. A.** Resolutions establishing a Committee on Medical Service. J. Am. M. Ass., 1943, **122**: 545.—**Cragin, D. B.** Medical preparedness. Proc. Ass. Life Insur. Presid., 1940, **34**: 166–78.—**Davis, J. W.** Medical preparedness. South. M. & S., 1940, **102**: 712–5.—**Fishbein, M.** American medicine prepares. J. Missouri M. Ass., 1941, **38**: 287–90.—**Geiger, A. J.** Medicine joins the big parade. Med. Econom., 1939–40, **17**: No. 3, 31–3.—**Gilchrist, H. L.** Preparedness. Mil. Surgeon, 1939, **85**: 332.—**Hackel, J. P.** Medical movies and clinical photography; the medical profession's contribution to preparedness for war. Med. Rec., N. Y., 1941, **153**: No. 10, 16.—**Henninger, C. H.** Localizing Pennsylvania's medical preparedness. Pennsylvania M. J., 1940–41, **44**: 919.—**Hertzog, L. S.** Medical preparedness. J. Am. Inst. Homeop., 1941, **34**: 478–81.—**Hutter, C. H.** Medical preparedness and military defense. Interne, N. Y., 1942, **8**: 12.—**Ijams, G. E.** America's problem. Mil. Surgeon, 1938, **83**: 517–25.—**Jones, E. W.** Ten steps toward preparedness. Mod. Hosp., 1940, **55**: No. 6, 46.—**Josephi, M. G.** Medical preparedness for national emergency. Med. Woman J., 1940, **47**: 255.—**Kreider, G. N.** Military preparedness from a surgical standpoint. Illinois M. J., 1916, **30**: 1–5.—**Larkey, S. V.** The National Research Council and medical preparedness. War Med., Chic., 1941, **1**: 77–94.—**Leland, R. G.** Medicine prepares. Rocky Mountain M. J., 1941, **38**: 954–7. ——— A census of physicians for military preparedness. War Med., Chic., 1941, **1**: 95–101.—**Licensure** and medical preparedness. Fed. Bull., Chic., 1940, **26**: 193–5.—**Linde, J. I.** Medical preparedness for national defense. Health, N. Haven, 1941, **68**: No. 4, 4.—**M., L. J.** Medical preparedness. J. Oklahoma M. Ass., 1940, **33**: No. 7, 20.—**McIntire, R. T.** Medical preparedness for National defense. Med. Ann. District of Columbia, 1940, **9**: 407–9.—**Magee, J. C.** Medical preparation for the present emergency. Mississippi Doctor, 1940–41, **18**: 546–50. ——— Procurement of medical personnel and matériel in the present emergency. J. Am. M. Ass., 1941, **117**: 253–5. ——— The military emergency and the medical profession. Ibid., 681.—**Mattison, J. A.** Some contributions to medicine and surgery which have helped to make possible the present state of medical preparedness. Mil. Surgeon, 1943, **92**: 4–12.—**Medical** preparedness. Pennsylvania M. J., 1917, **20**: 511–4. Also Illinois M. J., 1940, **78**: 105. Also J. Am. M. Ass., 1940, **114**: 2556; **115**: 2286. Also J. M. Ass. Georgia, 1940, **29**: 372. Also J. Missouri M. Ass., 1940, **37**: 363. Also J. M. Soc. N. Jersey, 1940, **37**: No. 10, 1–8 [insert.] Also Minnesota M., 1940, **23**: 487. Also N. York State J. M., 1940, **40**: 1613–6. Also West Virginia M. J., 1940, **36**: 426.—**Medical** preparedness; how it is to work. J. Iowa M. Soc., 1940, **30**: 495–7.—**Medical** preparedness; the listing of those concerned with medical care. N. England J. M., 1940, **223**: 300.—**Medical** preparedness; plans for total war. Ibid., 386.—**Medical** preparedness; questionnaires. Week. Roster, Phila., 1940–41, **36**: 457.—**Medical** preparedness activity in Hawaii. Hawaii M. J., 1941, **1**: 43.—**Medical** preparedness and the A. M. A. questionnaire. Illinois M. J., 1940, **78**: 478.—**Medical** preparedness and how it is to work. Delaware M. J., 1940, **12**: 216–8.—**Medical** preparedness lagging in Texas. Texas J. M., 1940–41, **36**: 343–7.—**Medical** preparedness for National emergency. Nebraska M. J., 1940, **25**: 272.—**Medical** preparedness news. Med. Ann. District of Columbia, 1941, **10**: 73.—**Medical** preparedness in Philadelphia. J. Am. M. Ass., 1940, **115**: 788.—**Medical** preparedness plans forge ahead; all U. S. doctors asked if they will volunteer for military service in event of war. Mod. Med., Minneap., 1940, **8**: No. 8, 68–73.—**Medical** preparedness program. Illinois M. J., 1940, **78**: 296–8.—**Medical** preparedness questionnaire. Week. Bull. S. Louis M. Soc., 1940–41, **35**: 3.—**Medical** preparedness in the U. S. A. Brit. M. J., 1940, **2**: 637.—**Medical** profession prepared for the new conscription act. Connecticut M. J., 1940, **4**: 625.—**Medicine** and medical care in the defense program; a memorandum prepared for His Excellency Governor Raymond E. Baldwin by the Connecticut state medical society, September 1940. Ibid., 586.—**Medicine** and the social order. Fed. Bull., Chic., 1941, **27**: 321.—**Military** medicine and progress in medical preparedness. Pennsylvania Health, 1941–42, **2**: No. 3, 38–48.—**Morris, W. B.** Medical preparedness and home defense. J. M. Soc. N. Jersey, 1941, **38**: 109.—**Munson, E. L.** The time factor and preparedness. Mil. Surgeon, 1917, **40**: 211–3.—**National** conference on medical service. Minnesota M., 1941, **24**: 126.—**National** (The) research council and medical preparedness. J. Am. M. Ass., 1940, **115**: 1640–3.—**Norton, J. W. R.** Medical preparedness in national defense. North Carolina M. J., 1942, **3**: 275–7.—**O'Sheel, P.** Medical war effort lagging. Med. Econom., 1940–41, **18**: No. 11, 34; 60.—**Paullin, J. E.** Medical preparedness. J. S. Carolina M. Ass., 1941, **37**: 133–7.—**Philadelphia's** preparedness plans. J. Am. M. Ass., 1940, **115**: 940.—**Pinkerton, F. J.** Medical preparedness on the mainland. Hawaii M. J., 1942–43, **2**: 171–3.—**Post, L. T.** Medical preparedness for war. Am. J. Ophth., 1940, 3. ser., **23**: 1054–6.—**Preparation** for medical defense. Minnesota M., 1940, **23**: 587.—**Preparedness.** J. Am. Diet. Ass., 1940, **16**: 683.—**Preparedness** spells annoyance and sacrifice. Med. Soc. Rep., Scranton, 1941, **35**: No. 5, 9.—**Problems** of preparedness and discussions of medical service plans feature conference in Chicago. Ohio M. J., 1941, **37**: 272.—**Rankin, F. W.** Medical preparedness in relation to national preparedness. Kentucky M. J., 1940, **38**: 359. ——— Address. J. Indiana M. Ass., 1941, **34**: 581. ——— The responsibilities of medicine in wartime. J. Am. M. Ass., 1942, **119**: 537–40.—**Report** on medical preparedness. J. Ass. M. Students, 1941–42, **6**: 5.—**Reynolds, C. R.** Our medical preparedness for modern war. Mil. Surgeon, 1940, **87**: 499–509.—**Rhode** Island State Department of Health cooperates with the Armed Forces in this area. Rhode Island M. J., 1941, **24**: 46–8.—**Rippey, S.** If war comes. Med. Econom., 1935–36, **13**: No. 6, 15–8.—**Ruddell, K. R.** World affairs and medicine. J. Indiana M. Ass., 1940, **33**: 603.—**Sánchez, J. A.** A plan for military medical preparedness. J. Philippine M. Ass., 1941, **21**: 279–90.—**Schlichter, C. H.** Medical preparedness. J. M. Soc. N. Jersey, 1941, **38**: 141; 1942, **39**: 213.—**Seymour, G.** Medicine mobilized. Survey, N. Y., 1917–18, **38**: 87–90.—**Shadows** cast by coming events. Mil. Surgeon, 1937, **80**: 205–10.—**Shuman, J. W.** Military medical preparedness. J. Med. Pract., 1936, **1**: 128–31.—**Simpson, F. F.** Medical preparedness for national defense. South. M. J., 1917, **10**: 951–5.—**Skipp, W. M.** The crisis is not over; it is just beginning. Ohio M. J., 1940, **36**: 1332.—**Stafford, J.** Medicine goes to war; Europe's conflict finds physicians and surgeons ready with mighty offensive against disease and death. Science News Lett., 1939, **36**: 314–6.—**Stone, E.** The Rhode Island Hospital's army unit. Rhode Island M. J., 1942, **25**: 89.—**Suchomel, T. F.** Medical preparedness; how it is to work. Bull. Linn Co. M. Soc., 1940–41, 9: No. 2, 9.—**Taft, C. P.** Medical care and hospital service in the war effort. Hospitals, 1942, **16**: No. 11, 24–7.—**War** participation. N. York State J. M., 1943, **43**: 630–2.

—— medical: Committees.

WHAT THE ST. LOUIS MEDICAL SOCIETY IS DOING TO WIN THE WAR. 12p. 8° S. Louis, 1917.

Abell, I. The Committee on Medical Preparedness of the American Medical Association. J. Am. M. Ass., 1942, **119**: 212.—**Baker, J. N.** Medical preparedness; committee on medical preparedness for Alabama. J. M. Ass. Alabama, 1940–41, **10**: 63–6.—**California** Committee on Medical Preparedness. California West. M., 1940, **53**: 134; passim.—**Committee** to coordinate Minnesota's defense efforts. J. Am. M. Ass., 1940, **115**: 866.—**Committee** on Medical Preparedness considers establishment of procurement and assignment agency. Ibid., 1941, **117**: 796.—**Committee** on Military and Naval Affairs and Civilian Defense. Bull. M. Soc. Co. Kings, 1942, **21**: 6–8.—**Conference** on medical preparedness; held at American Medical Association headquarters, Sept. 20, 1940. J. Am. M. Ass., 1940, **115**: 1201–7.—**Coordinating** (The) Committee for Medical Preparedness. Ibid., 1102.—**Cushing, E. H.** The Health and Medical Committee. War Med., Chic., 1941, **1**: 66–8.—**DeWolf, H., Kingman, L. C., & Wells, G. W.** State committee on medical preparedness. Rhode Island M. J., 1940, **23**: 154.—**Donaldson, W. F.** Functions of War Participation Committee. J. Am. M. Ass., 1942, **120**: 1231–5. ——— Effective war participation. J. Indiana M. Ass., 1943, **36**: 123.—**Excerpts** from the addresses of President Van Etten and President-elect Lahey before the House of delegates at the New York Session of the A. M. A. Ibid., 1940, **33**: 378.—**Fitzgerald, R. E.** Report of Committee on Medical Defense to Council, January 10. Wisconsin M. J., 1942, **41**: 132.—**General** (The) Medical Board of the Council of National Defence. Boston M. & S. J., 1918, **178**: 689–91.—**Goldwater, S. S.** The Committee on Hospital and Medical Facilities of the Mayor's Committee for National Defense. N. York M. J., 1917, **106**: 126.—**Haywood, H. B.** Report of Committee on Medical Preparedness. North Carolina M. J., 1943, **4**: 299–301.—**Health** (The) and medical committee of the Council on National Defense. Hospitals, 1940, **14**: No. 11, 69.—**Henninger, C. H.** Pennsylvania Committee on medical preparedness; circular. Pennsylvania M. J., 1940–41, **44**: 624.—**Martin, F.** The Council of National Defense. Am. J. Pub. Health, 1917, **7**: 733–6.—**M-day** resolution [of A. M. A.] J. Indiana M. Ass., 1940, **33**: 376.—**Medical** preparedness; coordinating committee appoints subcommittees. J. Am. M. Ass., 1940, **115**: 1551.—**Medical** preparedness committee. J. M. Soc. N. Jersey, 1940, **37**: 427–9.—**Medical** preparedness section. Connecticut M. J., 1941, **5**: 218–20.—**Meeting** of the General Medical Board of the Council of National Defence held in connection with the dedication of the Warren McLean Auditorium at Camp Greenlief, Chickamauga Park, Ga. South. Pract., 1918, **40**: 127–37.—**Minutes** of the second meeting of the War and Defense Committee of the National Medical Association. J. Nat. M. Ass., 1942, **34**: 211–5.—**[Ohio]** Committee on medical preparedness meets; drive to get in questionnaires started. Ohio M. J., 1940, **36**: 980.—**Order** establishing the Health and Medical Committee in the Council of National Defense. Pub. Health Rep., Wash., 1940, **55**: 1759.—**Report;** Committee on Medical Preparedness. California West. M., 1942, **57**: 65.—**Report** of the Committee on Medicine and the War. Illinois M. J., 1943, **84**: 68.—**Report** of the Committee on Preparedness of the Association of American Medical Colleges; plans for augmenting medical corps of defense forces. Q. Phi Beta Pi M., 1942, **39**: 109–11.—**Report** of delegate on proceedings of the House of Delegates of the

American Medical Association at the New York convention, June 10–14, 1940. Med. Ann. District of Columbia, 1940, **9**: 255.—**Report** of the War Committee of the American Medical Association. J. Am. M. Ass., 1919, **72**: 1762.—**Schlichter, C. M.** Report of the Special Committee on Medical Preparedness. J. M. Soc. N. Jersey, 1941, **38**: 256–62.—**Seeley, S. F.** California Committee on Participation of the Medical Profession in the War Effort. California West. M., 1942, **57**: 91.—**Smith, F. L.** Report of the state chairman Committee on Medical Preparedness of the American Medical Association. Minnesota M., 1941, **24**: 1043–5.—**Some** of the activities and interests of the General Medical Board of the Council of National Defence, April, 1917–April, 1918, as reported at the annual meeting, Sunday, May 5, 1918. Boston M. & S. J., 1918, **178**: 685–9.—**Spilman, H. A., Whitaker, B. T., & Shane, R. S.** Report of the Committee on Military Affairs. J. Iowa M. Soc., 1939, **29**: 335.—**State** committees of National Defense, Medical Section. J. Am. M. Ass., 1917, **68**: 1635–8.—**Stimson, P. M.** The Academy and national defense. J. Pediat., S. Louis, 1941, **19**: 731–5.—**War** Participation Committee, A. M. A. J. Am. M. Ass., 1943, **121**: 134–6.

—— Organization.

Potous, J. Principios generales que deben presidir la organización sanitaria de una nación en caso de guerra. p.19–69. 24½cm. Madr., 1933.

Congr. internat. med. farm. mil., 1933, 7. Congr., **1**:

Cabot, H. Russian medicine organized for war. In: Science in Soviet Russia (U. S. Nat. Counc. Amer. Soviet Friendship) Lanc., 1944, 62–5.—**Hamilton, J. A.** Sabotage, an immediate hazard; New Haven's preparedness plan. Mod. Hosp., 1941, **56**: No. 6, 43.—**War** emergency organization. Med. J. Australia, 1943, **1**: 56.

—— Pharmacy.

See also **Drug supply**—in wartime; **Pharmaceutical service; Pharmacotherapy,** Economy.

Clough, S. DeW. Preparedness with drugs and medicinal products. N. Jersey J. Pharm., 1941, **14**: No. 3, 3–5. ——— Preparedness with drugs and medicinal chemicals. War Med., Chic., 1941, **1**: 102–6. Also Hosp. Management, 1941, **52**: No. 4, 71.—**McNutt, P. V.** Drugs and defense. Proc. Am. Drug Manuf. Ass., 1941, 30. meet., 147–56.

—— Public health aspect.

See **Public health.**

—— Science.

See under **Science; Scientist.**

—— by countries.

See also under such terms as **Emergency medical service; First-aid; Gas warfare,** Defense: Organization, etc.

China. National Defense Medical Center. Bulletin. Shanghai, No. 2, 1947–

A., K. F. A casualty clearing station at University College Hospital. Nurs. Times, Lond., 1939, **35**: 1144–6.—**Abascal, H.** Comunicación sobre el Comité de preparación médica para la guerra. An. Acad. cienc. méd. Habana, 1941–42, **80**: 106.—**Additional** war measures [Switzerland] J. Am. M. Ass., 1940, **115**: 145.—**Brunton, T. L.** The military needs of Great Britain. In his Collect. Papers, Lond., 1893–1914, **2**: No. 50, 1–3.—**Defence** medical services of Australia and the war; a review. Med. J. Australia, 1940, **2**: 701–4.—**Emergency** (The) medical service. Cath. M. Guard., Lond., 1939, **17**: 55–7.—**Fernández Rozas, F.** Interés e importancia de la enseñanza de la asignatura, defensa nacional y calamidades públicas, en las escuelas de enfermeras y colegios secundarios. Día méd., B. Air., 1949, **21**: 2912–4.—**Fulton, J. F.** Aspects of medical defense in England. Connecticut M. J., 1941, **5**: 10–2.—**García Vicente, S.** La previsión médica nacional, factor sagrado de nuestra retaguardia. Rev. españ. med. cir. guerra, 1939, **2**: 193–8.—**Heidecke, O.** Die Kriegsarbeit der Technischen Nothilfe in Mittel- und Kleinstädten. Techn. Gemeindebl., 1940, **43**: 126–8.—**Hizyō-zi** ni tai-suru warera kokumin no kakugo [Determination of the people of our country in the face of war] Yūseigaku, 1935, **12**: No. 6, 11–23.—**Kriegseinsatz** (Der) der deutschen Frau. Aerztebl. Hessen, 1940, **8**: 163.—**Medical** profession prepared for an emergency [Great Britain] J. Am. M. Ass., 1939, **112**: 2545.—**Morris, J. N.** Emergency organization of the medical profession. Med. J. Australia, 1939, **2**: 622–4.—**National** emergency service. S. Afr. M. J., 1941, **15**: 1.—**R., O.** Zur Frage der Luftschutzunterstände. Schweiz. Apoth. Ztg, 1939, **77**: 575.—**Reorganization** of the E. M. S. and in the staffing of first-aid posts. Lancet, Lond., 1939, **2**: 1151.—**Routley, T. C.** The Canadian Medical Association and the national emergency. Canad. M. Ass. J., 1939, **41**: 493.—**Sainz Trejo, A.** Estamos preparados para la guerra? Rev. méd. veracruz., 1942, **22**: 3802.—**Soziale** (Der) Einsatz des weiblichen Arbeitsdienstes. Aerztebl. Hessen, 1940, **8**: 164.—**Statlig** uppmuntran till försvarsvetenskaplig författarverksamhet. Tskr. mil. hälsov., 1947, **72**: 42.—**Vega Herrera, A. M.** Servicio de abastecimiento de material sanitario en tiempo de paz. Rev. san. mil., B. Air., 1938, **37**: 117–21.—**Von den Velden, R.** Anmarsch. Deut. med. Wschr., 1934, **60**: 1216.—**Walton, J.** The E. M. S. today and tomorrow. Lancet, Lond., 1940, **1**: 514.—**War** and the medical services, by Twenty-Seven. Brit. M. J., 1940, **1**: 671.—**War** emergency organization. Med. J. Australia, 1942, **1**: 24.—**War** time measures in Australia. J. Am. M. Ass., 1939, **113**: 2074.—**Whitton, C.** War and the social services in Canada. Proc. Nat. Conf. Social Work., 1941, **68**: 24–31.

—— by countries: United States.

See also specific subheadings.

California. State War Council. Manual for disaster preparedness planning. 41p. 23cm. Sacramento, 1945.

United States. Office of Civilian Defense. OCD publication 2022: Waterworks engineering in disaster. 146p. 23cm. Wash., 1943.

Conant, J. B. Harvard and the national emergency; President Conant's address at the Alumni dinner. Harvard Alumni Bull., 1940, **43**: 335–8.—**Gardner, L. L.** It pays dividends. Army M. Bull., 1939, **47**: 64–70.—**Health** education consultants to be assigned to key defense areas. California West. M., 1941, **55**: 312.—**Hickey, M. A.** Role of women in the war effort. J. Am. Diet. Ass., 1942, **18**: 745.—**Hillman, C. C.** A contribuição dos cientistas da medicina civil dos Estados Unidos da América e a atual situação militar. Rev. med. cir. Brasil, 1943, **51**: 579–83.—**Kenney, J. A.** A plea for equality in our national preparedness program. J. Nat. M. Ass., 1940, **32**: 170. ——— National Defense and the Negro. Ibid., 1941, **33**: 273–5.—**Overton, F.** Preparedness for defense in Suffolk County, N. Y. News Lett. Suffolk Co. M. Soc., 1941, **19**: No. 12, 1–8.—**Randall, J. W.** The Travelers helps in the defense program. Travelers Stand., 1941, **29**: 35–8.—**Tinsley, W. W.** The American preparedness movement, 1913–16. Abstr. Diss. Stanford Univ. (1939–40) 1940, **15**: 146–51.

PRESCRIPTION.

See also **Drug supply**—in wartime; **Formulary; Pharmacotherapy.**

Knebel, R., & Willecke, W. Arzneiverordnungen für den Truppenarzt. 2. Aufl. 51p. 16½cm. Lpz., 1941. Also 4. Aufl. 55p. 16½cm. Lpz., 1943.

United States. Army. Enlisted Technician's School. Letterman General Hospital. Corrected prescriptions for pharmacy technicians. 100 l. 26½cm. S. Franc., 1942.

Burton, H. H. Prescriptions. Hosp. Corps Q., 1943, **16**: No. 2, 68–70.

PRESERVER.

See **Life preserver.**

PRESS.

See **Psychological warfare,** Press.

PRESSBOARD stretcher cot.

See under **Litter.**

PRESSURE.

See also **Aircraft,** Pressure; **Blood pressure; Centrifugal force; Pressure suit.**

Barach, A. L., Besson, G. I. [et al.] Effect of positive pressure on arterial blood gases at high altitude. 5p. 28cm. Wash., 1943.

Forms No. 124, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Bierman, H. R., & Hellems, H. K. A wire resistance strain gage for measuring physiological pressure phenomena. 6p. 27cm. Bethesda, 1946.

Forms Rep. No. 9, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

Wittern, W. W. von, & Oestreicher, H. A special purpose pressure meter [for determining the pressure exerted on the body surface by a partial pressure suit] 10 l. 27cm. Dayton, 1948.

Forms No. MCREXD–116B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Behnke, A. R., jr. Investigations concerned with problems of high altitude flying and deep diving; application of certain findings pertaining to physical fitness to the general military service. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 406–29.—**Quigley, J. P.** Aviation physiology; problems involving pressure equalization. Clin. Bull. School M. West. Reserve Univ., 1943, 7: 3–7.—**Rainsford, S. G.** The more recent additions to our knowledge of the effects of compression and decompression on man and the application of this knowledge to the practical problems connected with high flying and deep diving. J. R. Nav. M. Serv., 1942, 28: 326–32.—**Reissmann, K., Fancher, J. A., & Flickinger, D. D.** The dynamics of blood flow in the large vessels of the thorax under abnormal pressures. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 3.

PRESSURE bag.

See also **Air ambulance; Altitude,** Aeroembolism: Prevention.

Gagge, A. P. Altitude pressure bag. 5p. 28cm. Wash., 1943.
Forms No. 186, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

King, B. G., & Futcher, P. H. Evaluation of the altitude pressure bag. 2 l. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–303, U. S. Nav. M. Res. Inst.

Tobias, C. A., Lyons, W. R. [et al.] Evaluation of the Aero Medical Laboratory Altitude Pressure Bag in airplane flights. 9p. 28cm. Wash., 1944.
Forms No. 277, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

PRESSURE belt.

See under **Belt.**

PRESSURE breathing.

See also **Aircraft,** Oxygen installation; **Aircrew,** Oxygen supply; **Oxygen; Oxygen mask; Oxygen poisoning.**

Allen, S. C. Pressure breathing. 4 pts. 28cm. Dayton, 1943.
Form Nos. ENG–49–695–1 (I, W, X, Y) Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— & Gagge, A. P. Pressure breathing. 3 l. 28½cm. Dayton, 1943.
Forms No. ENG–49–695–1–0, of same project series.

Allen, S. C., & Patt, D. I. Pressure breathing. 12 l. 28½cm. Dayton, 1943.
Forms No. ENG–49–695–1–P of same project series.

—— Pressure breathing. 7p. 28cm. Wash., 1943.
Forms No. 226, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— [et al.] Pressure breathing. 10 l. 28cm. Dayton, 1944.
Forms No. ENG–49–695–1–Z, Memo. Rep. Aero M. Laborat. U. S. Air. Force.

Barach, A. L., Besson, G. [et al.] Studies on positive pressure respiration at sea level and at various simulated altitudes. 21p. 28cm. Wash., 1943.
Forms No. 150, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Behnke, A. R., White, W. A., jr [et al.] Pressure breathing of air at simulated high altitude. 12, 14 l. 26½cm. Bethesda, 1943.
Forms Rep. No. 2, Res. Proj. X–116, U. S. Nav. M. Res. Inst.
Also forms No. 189, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Kaufman, S. S., Nims, L. F. [et al.] The value of carbon dioxide in intermittent pressure breathing. 5p. 28cm. Wash., 1944.
Forms Rep. No. 321, Com. Aviat. M. U. S. Nat. Res. Counc. Also forms No. 33, Rep. Yale Aeromed. Res. Unit.

King, B. G., Goldman, D. E. [et al.] Evaluation of the emergency breathing procedure (voluntary pressure breathing) 25p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1, Res. Proj X–291, U. S. Nav. M. Res Inst.

Lovelace, W. R., II. Aviation medical problems in the European and Mediterranean theatres of operation. 117p. 26½cm. Dayton, 1944.
Forms No. TSEAL–5B–697–8, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Gagge, A. P., & Molomut, N. Pressure breathing. 13 l. 28cm. Dayton, 1942.
Forms No. ENG–M–49–695–1E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Fenn, W. O. Pressure breathing. Rep. M. Div. U. S. Chem. Corps, 1950, No. 236, 3–8.—**Müller, C.** Om surstoffovertrykksrespirasjon ved høydeflyging. Norsk tskr. mil. med., 1949, 3–12.—**Sozi, J. I.** [Use of air form high pressure compressors for respiration] Voen. san. delo, 1937, No. 5, 31–6.

—— Apparatus and equipment.

Allen, S. C. Service test of pressure breathing equipment for 315th Bomb Wing (VH) 22 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–695–1HH, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Bonner, J. T. Mechanical leakage tester for pressure breathing equipment. 3 l. 27cm. Dayton, 1944.
Forms No. ENG–49–696–7H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Chatham, J. D. Connector, Combination (Mask Hose and Bailout) as a pressure breathing device. 12 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–88, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Fraser, A. M. Service trials and further development of pressure breathing equipment. v. l. [49] l. 29cm. Lond., 1945.
Forms F. P. R. C. No. 628, Gr. Britain Flying Pers. Res. Com.

Hall, F. G. Oxygen economy with pressure-breathing equipment. 6p. 28cm. Wash., 1944.
Forms No. 331, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Ivy, A. C., Behnke, A. R., & Consolazio, W. V. Pressure breathing; the pneumolator; modified F. W. B. recirculator; cyclic pulmonary inflation (experimental) 35p. 26½cm. Bethesda, 1943.
Forms Rep. No. 1, Res. Proj. X–116, U. S. Nav. M. Res. Inst.

Taylor, C. B. An elastic vest to be used with pressure breathing equipment. 3p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 302, U. S. Air Force School Aviat. M.

—— The effect of the elastic vest on the descent and collapse rate of aviation students breathing eight inches of water positive pressure at 38,000 feet. 9p. 27cm. Randolph Field, 1944.
Forms Rep. No. 2 of preceeding project.

Wilson, J. W., Finkel, A., & Jordan, C. D. Oxygen economy with pressure-breathing equipment. 7 l. 27cm. Dayton, 1944.
Forms No. ENG–49–696–42D, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Garrard, H. F., & Rupp, E. V. Pressure breathing mask for aviation. U. S. Patent Off., 1949, No. 2,473,518.—**Holmes, B. B.** Pressure breathing regulator. Ibid., 1951, No. 2,544,991.

—— Physiology.

Barach, A. L., Bloom, W. [et al.] Effects of positive pressure respiration at a simulated altitude of 45,000 feet. 15p. 28cm. Wash., 1943.
Forms No. 199, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— Studies of positive pressure breathing; subjective, clinical and psychological effects of breathing 100% oxygen at a pressure of 15 mm. Hg at a simulated altitude of 42,300 feet (126 mm. Hg) 3p. 28cm. Wash., 1944.
Forms No. 280, Rep. of same project series.

—— Effects of exercise with positive pressure breathing and anoxia. 5p. 28cm. Wash., 1944.
Forms No. 293 of preceding project series.

Bateman, J. B., & Sheard, C. The effect of pressure breathing upon the skin temperatures of the extremities. 8p. 28cm. Wash., 1945.
Forms No. 428 of preceding project series.

Bloom, W. L., Kaufman, S. S. [et al.] The effect of positive pressure breathing at sea level on peripheral blood flow and cardiac output. 7 l. 28cm. N. Haven, 1944.
Forms No. 23, Rep. Yale Aeromed. Res. Unit.
Also forms No. 246, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Chadwick, L. E., Fenn, W. O. [et al.] The physiology of pressure breathing. 3p. 28cm. Wash., 1943.
Forms No. 249 Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Drury, D. R., Henry, J. P. [et al.] The effect of continuous and of intermittent pressure breathing on kidney function [1] l. 28cm. Wash., 1945.
Forms No. 501, of preceding research project.

Fenn, W. O., Chadwick, L. E. [et al.] Physiological effects of pressure breathing. 38p. 28cm. Wash., 1943.
Forms No. 111 of preceding research project.

Gray, J. S. The effects of pressure breathing on decompression sickness and circulatory reaction in cadets. 10p. 28cm. Wash., 1944.
Forms No. 287 of preceding research project.

Henry, J. P. A determination of the mechanical limits to safe pressurization of the mammalian lung. 13p. 28cm. Wash., 1945.
Forms No. 463 of preceding research project.

—— Hendrickson, I. [et al.] Estimations of the decrease in effective blood volume when pressure breathing at sea level. 16p. 28cm. Wash., 1945.
Forms No. 452 of preceding research project.

Ivy, J. H., Adler, H. F. [et al.] The effect of pressure breathing on intracranial pressure. 17p. 26cm. Randolph Field, 1949.
Forms Proj. No. 21–02–018, U. S. Air Force School Aviat. M.

Jacobs, H., Karstens, A. I., & Henry, J. P. The effect of pressure breathing on circulating blood volume; distention of the venous reservoirs. 14p. 27cm. Dayton, 1948.
Forms No. MCREXD–690–104K, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Larrabee, M. G., Hodes, R., & Pappenheimer, J. R. Psychomotor performance and arterial oxygen saturation during positive pressure breathing in an altitude chamber. 12p. 28cm. Wash., 1944.
Forms No. 342, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Mahady, S. C. F. The effect of positive pressure breathing upon the blood and cardiovascular system. 18 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 253, U. S. Air Force School Aviat. M.

—— & Masland, R. L. The increase in blood oxygen saturation obtained at high altitude by breathing 100% oxygen under positive pressure. 13p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 309, U. S. Air Force School Aviat. M.

Nims, L. F. Measurement of performance by subjects using pressure breathing equipment; objective criteria; subjective criteria. 5 l. 28cm. N. Haven, Conn., 1944.
Forms No. 39, Rep. Yale Aeromed. Res. Unit.

Rahn, H., Otis, A. B. [et al.] The physiology of pressure breathing. 83p. 28cm. Wash., 1945.
Forms No. 430, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Rushmer, R. F. Physiology of increased intrathoracic pressure in relation to the effect of centrifugal forces; arterial pressure, venous pressure, and finger volume during increased intrapulmonic pressure. 13p. 28cm. Wash., 1943.
Forms No. 233 of preceding research project.

—— Physiology of increased intrathoracic pressure in relation to the effect of centrifugal forces. 7p. 28cm. Wash., 1943.
Forms No. 234 of preceding research project.

Starr, I., Pappenheimer, J. R., & Millikan, G. A. The effect of P. B. on cardiac output and pulse rate during anoxemia and especially at high altitude. 9p. 28cm. Wash., 1943.
Forms No. 151, of preceding research project.

Taylor, C. B., & Hass, G. M. The effect on dogs of repeated exposures to pressure breathing and high altitude. 15p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 174, U. S. Air Force School Aviat. M.

Wilson, J. W. Fluid loss during pressure breathing. 16p. 26½cm. Dayton, 1946.
Forms No. TSEAA–696–104, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Adler, H. F. The effect of pressure breathing on intracranial pressure. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 22; Oct., 20.—**Barach, A. L., Eckman, M.** [et al.] Studies on positive pressure respiration; subjective, clinical and psychological effects of continuous positive pressure breathing at high altitudes. J. Aviat. M., 1947, **18**: 252–8.—**Bateman, J. B., & Sheard, C.** The effect of pressure breathing on the cutaneous temperatures of the extremities. Ibid., 1946, **17**: 568–78.—**Behnke, A. R., Johnson, F. S.** [et al.] The effect of oxygen on man at pressures from 1 to 4 atmospheres. Am. J. Physiol., 1934–35, **110**: 565–72.—**Burkhardt, W. L., & Adler, H. F.** Effects of explosive decompression on dogs during pressure breathing. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 15.—**Flickinger, D., & Adler, H. F.** The effect of pressure breathing on intracranial pressure. Sympos. Mil. Physiol., Wash., 1947, 55.—**Heck, E.** Wirkung hoher Sauerstoffteildrucke auf die Atmung. Luftfahrtmedizin, 1941–42, **6**: 104–18. —— & **Loeschcke, H. H.** Die Lage der die Atmung regulierenden Zellgebiete im arteriovenösen Kohlensäuredruckgefälle. Ibid., 114–8. Also Bull. War M., Lond., 1942–43, **3**: 410 (Abstr.)—**Ivy, J. H., Adler, H. F.** [et al.] The effect of pressure breathing on intracranial pressure. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 22; July, 19; Oct., 13; 1949, Jan., 20. —— The relation between intracranial pressure and intermittent positive pressure breathing. Ibid., 1948, Apr., 29.—**Maloney, J. V.,** jr. The dilemma of pressure breathing; effects on the circulation. Rep. M. Div. U. S. Chem. Corps, 1950, No. 236, 15–26.—**Motley, H. L.** Clinical aspects of pressure breathing. Ibid., 27–48, illust. —— **Lang, L. P., & Gordon, B.** Total lung volume and maximal breathing capacity in pulmonary emphysema after repeated periods of intermittent positive pressure breathing. J. Aviat. M., 1948, **19**: 346–54.—**Whittenberger, J. L.** The dilemma of pressure breathing; pulmonary effects of pressure breathing. Rep. M. Div. U. S. Chem. Corps, 1950, No. 236, 9–14.

—— Sequelae.

Bateman, J. B. The reduction of alveolar carbon dioxide pressure during pressure breathing and its relation to hyperventilation, together with a new method of representing the effects of hyperventilation. 12p. 28cm. Wash., 1944.
Forms No. 381, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Loucks, R. B. Impairment in psychomotor performance with the Type A–13 pressure demand oxygen system at 45,600 feet simulated altitude. 5p. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 308, U. S. Air Force School Aviat. M.

—— therapeutic.

Cahan, A. M. Intermittent positive pressure breathing and treatment of pulmonary edema resulting from exposure to gaseous lung irritants, such as phosgene. 6 l. 28½cm. Dayton, 1943.
Forms No. ENG–49–660–49–F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Steele, J. M. Pressure breathing; certain aspects of its military and therapeutic significance. Bumed News Lett., Wash., 1944, **4**: No. 13, 1–5.

PRESSURE cabin [and chamber]

See also **Aircraft** subheadings (Altitude cabin; Pressure) also **Atmospheric chamber.**

Altitude-pressure-temperature relationships [tab.] In: Human Factors in Air Transp. Design (McFarland, R. A.) N. Y., 1946, 640.—**Boaz, T. D.** Low pressure chamber installed at the Naval Air Station, Pensacola, Florida. U. S. Nav. M. Bull., 1942, **40:** 429, pl.—**Interrogation** of Messerschmitt personnel on hydraulic systems and pressure cabins. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1L, 1.—**Pressurized** cabins for German high-altitude aircraft. Ibid., App. 1k, 1–3.—**Wiesehöfer, H.** Mobile low pressure chamber for testing and instruction of airplane crews in high altitude atmospheric conditions. J. Aviat. M., 1942, **13:** 90–2 (Abstr.)

PRESSURE sprayer.

See under **Insecticide,** Equipment.

PRESSURE suit.

See also under **Acceleration,** Protection: Clothing.

Lambert, E. H., Wood, E. H. [et al.] Comparison of protection against the effects of positive acceleration afforded by the standard gradient pressure suit (G. P. S.) and a simplified single pressure suit. 16p. 28cm. Wash., 1944.

Forms No. 308, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Hollmann, F. Pressure suits. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 30.—**Pressure** suits. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1h, 5.

PRESSURE vest.

See **Clothing,** Air Force.

PREVENTABLE disease.

See **Disease,** preventable.

PREVENTION.

See also appropriate references under **Airsickness; Alcoholism; Anoxia; Blind; Casualty; Cold exposure; Cold injury; Diphtheria; Eye injury; Fatigue; Gas gangrene; Gonorrhea; Malaria; Militarism,** Prevention of war; **Neurosis; Psychosis; Syphilis; Tuberculosis; Venereal disease; War neurosis; Wound infection;** see also **Preventive medicine; Sanitation.**

Blacklock, D. B. An epitome of the prevention of certain diseases and infections occurring in man. J. R. Nav. M. Serv., 1942, **28:** 262–84.—**Clerc.** Prophylaxie militaire. Bull. Soc. méd. mil. fr., 1908, **2:** 325–7.—**Disease** prevention in the services. Mil. Surgeon, 1941, **89:** 697.—**Goodwin, T. H. J. C.** The prevention of disease on active service. Med. Off., Lond., 1919, **22:** 229.—**Gussynin, V. A.** [Therapeuto-prophylactic lessons of the world war and certain problems of prevention for the present] Sovet. khir., 1932, **3:** 196–202.—**Kleinschmidt, E. E.** Prevention is the keynote of clinic service in war time. Mod. Hosp., 1942, **59:** No. 6, 47.—**McCormack, M. W.** The Army that fights disease. Life & Health, 1946, **61:** No. 5, 18.—**Shavzis, E. I.** [Prophylaxis of iatrogenous diseases among recruits and soldiers] Vrach. delo, 1941, **23:** 111–4.—**Solmon.** Désinfection et prophylaxie militaire. Bull. Soc. méd. mil. fr., 1908, **2:** 298–304.—**Walker, K.** The protection of the soldier. Cath. M. Guard., Lond., 1939–40, **17:** 227–31.—**Williams, A. H.** Prophylactic selection of Indian troops. J. R. Army M. Corps, 1946, **87:** 1–9.

PREVENTIVE medicine.

See also **Blind,** Prevention; **Dentistry,** preventive; **Prevention; Psychiatry,** preventive.

Babione, R. W., Sessions, H. K. [et al.] Recent advances in preventive medicine, 1947–48. U. S. Nav. M. Bull., 1949, **49:** 371–86.—**Chester, C.** Medicina militar preventiva. Rev. mil., La Paz, 1949, 75–80.—**Foote, F. M.** Need for wider knowledge of preventive medicine. Bull. U. S. Army M. Dep., 1947, **7:** 887–92.—**Jameson, W. W.** War-time progress in preventive medicine. Med. Off., Lond., 1946, **75:** 234–6.—**Janeway, C. A.** Military medicine; its preventive aspects. Med. Clin. N. America, 1941, **25:** 1459–76.—**Krotkov, F.** Higiena voennaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1199–216.—**Nelson, H.** Military preventive medicine. S. Afr. M. J., 1942, **16:** 283–7.—**Strong, P. S.** Preventive medicine. Bull. U. S. Army M. Dep., 1946, **6:** 174–6.

—— Aviation medicine.

Great Britain. Air Ministry. Air publication, 1269B: Handbook of preventive medicine. 213p. 23cm. Lond., 1947.

Grant, D. N. W. Aviation preventive medicine. Med. Ann. District of Columbia, 1945, **14:** 18–21.—**Whittingham, H. E.** Preventive medicine in relation to aviation. J. R. Army M. Corps, 1939, **73:** 217; 277. Also J. R. Nav. M. Serv., 1939, **25:** 317–39. Also Deut. Militärarzt, 1940, **5:** 441 (Abstr.) ——— Preventive medicine in the Royal Air Force. J. R. Inst. Pub. Health, 1944, **7:** 279; 306. ——— Preventive medicine in the R. A. F. during the war years 1939–45. In: Interallied Conf. War Med. (1942–45) 1947, 519–24.

—— Congresses.

Conference on preventive medicine, School of Hygiene and Public Health, Johns Hopkins University, Baltimore, February 14 to 16, 1945. Bull. U. S. Army M. Dep., 1945, No. 88, 34.

—— Essays.

Cox, W. C. Preventive medicine in the atomic age. Bull. U. S. Army M. Dep., 1948, **8:** 862–76.—**Cumming, H. S.** The importance of preventive medicine from the standpoint of a medical officer of the United States Army. Mil. Surgeon, 1936, **78:** 161–8.—**Gordon, J. E.** Preventive medicine in military and civilian practice. Med. Bull. U. S. First Army, 1949, **4:** No. 7, 3–9. Also Mil. Surgeon, 1949, **104:** 38–48.—**Hall, J. R.,** jr. Salesmanship and military preventive medicine. Ibid., 425–7.—**On** the prevention of plagues. Ibid., 1942, **90:** 325.—**Ross, S.** Military preventive medicine and the environmental hygiene of the war effort. Pacific Coast J. Nurs., 1942, **38:** 716–20.—**Werneck, L.** Importância da medicina preventiva para as fôrças armadas. Rev. med. mil., Rio, 1948, **37:** 47–58.

—— Instruction.

See also **Health education; Hygiene,** Instruction.

Training of enlisted personnel in personal hygiene and preventive medicine. In: Prev. Med. in World War II, Wash., 1948, **6:** 33–7.

—— Manual.

Dunham, G. C. Military preventive medicine. 1051p. 8° Carlisle Barracks, 1930. Also 2. ed. 1062p. 8° 1931. Also 3. ed. 1198p. 23½cm. 1938.

—— Methods.

Cron, K., & Hochmann, E. Ueber Krankenstände im Felde und ihre vorherige Abschätzung. 68p. 8° Wien, 1908.

Black, A. P. Measures of preventive medicine recommended by the federal medical services to insure the maximum improvement of the selectee of 1961 over him of 1941. Mil. Surgeon, 1942, **91:** 619–37.—**Cantlie, N.** Health discipline. U. S. Armed Forces M. J., 1950, **1:** 232–7.—**Froilano de Melo.** Doenças da tropa e a maneira de as combater. Arq. Esc. med. cir. Nova Gôa, 1930, ser. B, 407–16.—**Norton, J. W. R.** Observations on improved disease control methods among troops. West Virginia M. J., 1944, **40:** 382–5.—**Ullman, V.** Research in preventive medicine. Hosp. Corps Q., 1945, **18:** No. 4, 4–6.—**Welge, O.** Nutzbarmachung militärärztlicher Untersuchungen für die Durchführung der vorbeugenden Krankenpflege und der Heilbehandlung. Soziale Med. & Hyg., 1907, **2:** 350–2.

—— naval.

Ayres, P. B., Arioli, P. E. [et al.] Preventive medicine and public health organization and facilities in the Japanese Navy. 20p. 25½cm. [n. p.] 1945.

Forms No. M–09, Med. Targets.

Cock, S. S. Communicable disease control. p.73–126. 23cm. Wash., 1934.

U. S. Nav. M. Bull., 1934, **32:**

Morev, V. Higiena voenno-morskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1216–23.—**Preventive** medicine organization in Seventh Fleet. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 13, App. A, 11.

—— Organization.

Burnett, T. W. The practical application of preventive medicine to an army at war, including emphasis on venereal disease control. Virginia M. Month., 1942, **69:** 356–62.—**Gordon, J. E.** The integration of preventive medicine with other military and civilian activities. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 11, 1–15, 5 pl.—**Lišku tín, J.** Systém

preventivního lékařství. Voj. zdrav. listy, 1949, **18**: 187–97.—**Muxó y Torres, C.** Campañas profilácticas libradas por el Servicio de sanidad del Ejército. In: San. milit. cubana (Cuba. Ejére. Secc. san.) Habana, 1928, 151–63, illust.—**Van Auken, H. A.** Development of theater-wide preventive medicine service. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 1, 1–37.

—— by countries.

Preventive medicine in Medical Section GHQ prior to organization of Army Ground Forces. In: Prev. Med. in World War II, Wash., 1948, **9**: 1–9, 7 tab.—**Recent** contributions of the Preventive Medicine Service of the U. S. Army. Science, 1944, **100**: 45.—**Simmons, J. S.** The preventive medicine program of the United States Army. Am. J. Pub. Health, 1943, **33**: 931–40. Also Phi Delta Epsilon News, 1943, **34**: 103–15. ——— Preventive medicine in the United States Army. Dedicatory Addresses (Michigan Univ. School Pub. Health) 1943–44, 28–43. ——— Preventive medicine at the front. Mil. Surgeon, 1944, **94**: 85–9. ——— Preventive medicine in the Army. In: Doctors at War (Fishbein, M.) N. Y., 1945, 137–71, 4 pl.—**Skundina, S.** [Preventive medical work in the Gorky region during the first years of the war] Hig. & san., Moskva, 1944, **9**: No. 7, 42–5.—**Whayne, T. F.** Preventive medicine in the postwar Army. Mil. Surgeon, 1948, **102**: 274–8.

PREVENTOL.

United States. Armored Medical Research Laboratory. Project No. 22: Report on Project No. 22: Test of hammock, jungle, impregnated with preventol G–4. v. p. 28cm. Fort Knox, 1943.

PRIAPISM.

See under **Penis.**

PRIMARY suture.

See under **Wound,** Surgery: Primary suture.

PRINTER.

See under **Photography,** Equipment.

PRISON.

See also **Detention; Disciplinary barracks; Punishment.**

Andersonville Prison, Georgia; north view; lithograph by Anton Hohenstein, 1865; also south view. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 252; 253.—**Boegey.** Rôle du médecin militaire dans les établissements pénitentiaires. Bull. Soc. méd. mil. fr., 1910, **4**: 309–14.—**Crosby, P. T.** The United States Naval Prison, Portsmouth, N. H., from the aspect of the medical officer. U. S. Nav. M. Bull., 1925, **22**: 553–62.—**Del Giudice, F.** Riflessioni di pubblica igiene ed economia politica sulla pénitentière militaire à St-Germain. Gazz. toscana sc. med. fis., 1849, **7**: 190; 202; 221.—**Kangoku** [Statistics on military prisons] In: Dai Nippon Teikoku Rikugun-syō zyūni-kai tōkei nenpō (Japan. Rikugun-syō) Tōkyō, 1899, 305–10.—**Kerrick, H. S.** The United States disciplinary barracks; its history, methods and results. J. Mil. Serv. Inst. U. S., 1916, **59**: 361–77, pl.—**Leiser, C.** A director of a Nazi prison speaks out. J. Crim., Chic., 1938–39, **29**: 345–52.—**Martins, A.** Ligeiras notas sobre o penitenciaro militar alienado necessidade da organização do presidio militar. Rev. med. mil., Rio, 1934, **23**: 425–32.—**Moniz de Aragão, J.** Nova orientação do serviço nas penitenciarias militares. Brasil med., 1909, **23**: 388.—**Pactet.** Pénitenciers militaires. Arch. internat. neur., Par., 1910, **2**: 30–5.—**Prison** statistics show inmate population less than year ago; post war period always time of apprehension; the war state. Welf. Bull., Springf., 1942, **33**: No. 6, 6.—**Rouyer, E., Niclot** [et al.] Du rôle du médecin militaire dans les établissements pénitentiaires. Bull. Soc. méd. mil. fr., 1910, **4**: 467–81.—**Simonin, Jenny** [et al.] Rôle du médecin militaire dans les établissements pénitentiaires. Ibid., 503–21.—**Toussaint.** Rôle du médecin militaire dans les établissements pénitentiaires. Ibid., 325–8.

PRISONER.

See also **Disciplinary barracks; Prison.**

Pfeiffer, H. *Ueber Lagerhygiene; Erfahrungen aus den Strafgefangenenlagern bei Papenburg [Bonn] 28p. 24cm. Börgermoor, 1935.

Bertrand, G. Les pénitenciers militaires. Caduceé, Par., 1910, **10**: 118.—**Borione, G.** Gli ufficiali medici italiani in prigionia. Minerva med., Tor., 1935, **26**: pt 1, 744–7.—**Karpman, B.** Sex life in prison. J. Crim., Chic., 1947–48, **38**: 475–86.—**King, E.** Clinical studies in military delinquency; the garrison prisoner. Mil. Surgeon, 1927, **61**: 549–59.—**Koposov, V. P.** Vlijanie voennoj tjurmy na ves i zdorovje zaključ̌ennykh. Voen. med. J., S. Peterb., 1910, **228**: Med. spec. pt, 87–102.—**Krüger.** Einige Gesichtspunkte, die Behandlung von Militärgefangenen bzw. Arbeitssoldaten betreffend. Deut. mil. ärztl. Zschr., 1911, **40**: 265–72.—**Lipton, H. R.** Notes on the military prisoner. Mil. Surgeon, 1946, **99**: 103–5.—**Manson, M. P., & Grayson, H. M.** The Shipley-Hartford retreat scale as a measure of intellectual impairment for military prisoners. J. Appl. Psychol., 1947, **31**: 67–81.—**Weiss, I. I.** Homosexuality; with special reference to military prisoners. Psychiat. Q., 1946, **20**: 485–523.

—— Disease.

Anderson, N. S. Neuropsychiatric examination of prisoners at Fort Knox. Bull. U. S. Army M. Dep., 1948, **8**: 790–6.—**Manson, M. P., & Grayson, H. M.** The sick book rider in an overseas military prison. Psychosomat. M., 1946, **8**: 414–6.—**Pargen, T. H.** Psychiatry in a naval prison. J. Nerv. Ment. Dis., 1944, **100**: 402–6.—**Vallejo Nágera, A.** Las psicosis de prisión. In his Locura & guerra, Vallad., 1939, 143–56.—**Watson, W.** The diseases incident to military prisons and the influences by which they are modified, as illustrated by the study of nearly 15,000 cases occurring at Rock Island Barracks, Illinois, from Dec. 1863, to June, 1865. Tr. Iowa M. Soc. (1881–82) 1882, **5**: 60–83.—**Weiss, I. I.** Psychoses in military prisoners. J. Clin. Psychopath., 1946–47, **8**: 689; passim.—**Will, O. A., jr.** The psychotic naval prisoner. U. S. Nav. M. Bull., 1946, **46**: 680–9.

—— Rehabilitation.

Goldberg, S. The rehabilitation of general prisoners in the Army. J. Clin. Psychol., 1945, **1**: 126–9.—**Hutt, M. L.** Contribution of the clinical psychologist in the rehabilitation of general prisoners. Bull. Mil. Clin. Psychologists, 1946, **1**: 6–12.—**Portsmouth** Naval Prison; rehabilitation. Bumed News Lett., Wash., 1944, **3**: No. 5, 13.

PRISONER of war.

See also **Internee; Repatriation.**

Ashburn, P. M. Prisoners of war. Mil. Surgeon, 1929, **64**: 659–86.—**Ceconi. A.** Dei prigionieri di guerra. Minerva med., Tor., 1935, **26**: pt 1, 748–50.—**Maslinkovsky, T.** Voennoplennye. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 939–41.—**News** from prisoners of war. Pharm. J., Lond., 1942, **94**: 20.—**Our** men in prison camps. Mil. Surgeon, 1943, **93**: 205. Also Philadelphia M., 1943–44, **39**: 146.—**Prisoners** of war. Annual Rep. Am. Nat. Red Cross, 1941–42, 109–11.—**Raabl-Werner, H.** Für unsere Kriegsgefangenen. Wien. med. Wschr., 1919, **69**: 2001–7.—**Routil, R.** Das Erscheinungsbild gefangener Polen aus dem Weltkrieg. Mitt. Anthrop. Ges. Wien, 1940, **70**: 129–43, 4 pl.

—— Accidents.

Des Gouttes, P. Responsabilité du patron en cas d'accident survenu à son ouvrier, prisonnier de guerre. Rev. internat. Croix Rouge, 1942, **24**: 631–3.—**G., R. A.** Les assurances-accidents en faveur des militaires internés en Suisse. Ibid., 1943, **25**: 917–9.—**Ordonnance** allemande d'avril 1943 relative aux accidents professionnels frappant des prisonniers de guerre. Ibid., 486–8.—**P., J.** Prisonniers de guerre victimes d'accidents de travail. Ibid., 849–53.

—— Activities.

Expositions d'oeuvres d'art exécutées par des prisonniers de guerre. Rev. internat. Croix Rouge, 1943, **25**: 828.—**Exposition** organisée par les prisonniers de guerre au Kénya. Ibid., 1944, **26**: 379.—**Mustardé, J. C.** Butterflies and boredom. In his The Sun Stood Still, Lond., 1945, 4. impr., 194–214.—**Willshaw, R. G. H.** Improvised biochemical work of a prisoner of war. Pharm. J., Lond., 1946, **103**: 122.

—— Agents and intermediaries.

P., J. Le problème de l'homme de confiance dans les camps d'officiers. Rev. internat. Croix Rouge, 1943, **25**: 853–5.

—— Autopsy.

See also **War criminal.**

Pellegrini, R. Contributo alla conoscenza della patologia del prigionieri di guerra; reperti cadaverici nei prigionieri di guerra e loro importanza medico-legale. Gior. med. mil., 1920, **68**: 32–56.

—— Bibliography.

Liste des principaux articles consacrés au Comité international et à l'Agence des prisonniers de guerre. Rev. internat. Croix Rouge, 1942, **24**: 933.

—— Camps and work detachments.

See also subheading (Work) also **Internee.**

Breitner, B. Kriegsgefangenlager. Münch. med. Wschr., 1934, **81**: 1215–8.—**Notes** on prison camps. Prison. War Bull.,

1943, 1: No. 7, 4.—**Rossi, R. P.** Come un parco buoi militare diventò una azienda agricola. Gior. med. vet., 1921, **70**: 497; passim.—**Tanganika;** visites de détachements de travail. Rev. internat. Croix Rouge, 1943, **25**: 875–7.—**Visites** faites en Allemagne par le Dr Rübli: Détachement de travail E 27, Stalag VIII B., Britanniques. Ibid., 1942, **24**: 100–2.—**Wasmer, H.** Moving supplies to prison camps. Prison. War Bull., 1945, **3**: 1, &c.—**Wenger, O.** Indes britanniques; visites de détachements de travail. Rev. internat. Croix Rouge, 1945, **27**: 107–11.

—— Care.

Fision des services militaires et civils en services nationaux. Rev. internat. Croix Rouge, 1943, **25**: 19–21.—**Sollicitude** du Saint-Père envers les prisonniers de guerre. Ibid., 1941, **23**: 368.

—— Civilian status and rights.

Des Gouttes, P. Un interné militaire en Suisse peut-il y contracter mariage? Rev. internat. Croix Rouge, 1942, **24**: 301–5.—**Imer, F.** Le mariage d'un interné militaire ou d'un réfugié civil étranger en Suisse est-il possible? Ibid., 1945, **27**: 226–34.—**Life** insurance for prisoners of war. Prison. War Bull., 1943, **1**: No. 2, 3.—**Rights** (The) of prisoners of war. Ibid., 2.

—— Correspondence and mail.

Associations (Les) de femmes de prisonniers de guerre en France. Rev. internat. Croix Rouge, 1944, **26**: 483.—**Christmas** (1944) package. Prison. War Bull., 1944, **2**: No. 12, 1.—**Droin, D.** Le tri du courrier à l'Agence centrale des prisonniers de guerre. Rev. internat. Croix Rouge, 1942, **24**: 160–5, pl.—**L., N.** Correspondence des prisonniers de guerre. Ibid., 1944, **26**: 131–8.—**Lossier, J. G.** De la question des messages familiaux à celle de la protection des civils. Ibid., 1943, **25**: 888–913.—**Paquets** (Des) pour les femmes et les enfants internés allemands. Ibid., 1942, **27**: 935.—**Sept** millions et demi de lettres. Ibid., 1941, **23**: 837.—**Special** Red Cross parcels. Prison. War Bull., 1943, **1**: No. 3, 1.—**Tisdall, F. F.** Canadian Red Cross food parcels for British prisoners-of-war in Germany. Canad. M. Ass. J., 1941, **44**: 77. ——— Further report on the Canadian Red Cross food parcels for British prisoners-of-war. Ibid., 1944, **50**: 135–8. ——— **Wilson, M.** [et al.] Final report on the Canadian Red Cross food parcels for prisoners-of-war. Ibid., 1949, **60**: 279–86.

—— Dental care.

Arkush, D. Dentistry in a P. O. W. camp in the Far East. Brit. Dent. J., 1946, **81**: 128.—**Casalis.** Résultats obtenus dans le traitement et l'appareillage dentaires des prisonniers de guerre rapatriés. Rev. stomat., Par., 1943, **44**: 131.—**Crabb, H. F.** Survey of a prisoner of war dental centre, 1940–45. Brit. Dent. J., 1945, **79**: 162–5.—**Dentistry** in a Jap prison camp. Bull. U. S. Army M. Dep., 1946, **5**: 508–10.—**Fields, A.** Dentistry at Cabanatuan War Prison Camp No. 1, in the Philippine Islands. J. Am. Dent. Ass., 1946, **33**: 1271–8.—**Irons, A. L.** Dentistry in a Japanese prison camp. Mil. Surgeon, 1947, **100**: 24–31.—**Raymond, M.** Dental treatment in a prisoners' camp in Germany. Oral Hyg., Pittsb., 1918, **8**: 7–9.—**Rogge, F.** Zahntechniker in der Kriegsgefangenschaft. Zahntechniker, Basel, 1949, **15**: No. 2, 5.—**Rubra, C. H.** A dental centre in an Italian P. O. W. Camp. Brit. Dent. J., 1944, **77**: 171.—**Trays, W. N.** Teeth of Italian prisoners-of-war. Ibid., 1945, **78**: 80. ——— The dental condition of German prisoners-of-war. Ibid., 109.

—— Discharge.

Medical discharge of ex-prisoners of war. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 11–3.—**Relative** discharge rates; non-prisoners compared with ex-prisoners of war [tab.] Ibid., 13.

—— Discipline.

International Red Cross Committee. Reprisals against prisoners of war. 12p. 16° Lond., 1916.

—— Disease.

See also **Neuropsychiatry,** Experiences; **Neurosis.**

Dibra-Menzelxhiu, H. *Psychoses dans les camps de concentration. 84p. 24cm. Par., 1941.

Alexander, J. S. Inanition and avitaminosis; experience in a prisoner-of-war hospital in Italy. S. Afr. M. J., 1944, **18**: 159.—**Alvarez, W. C.** What starvation did to the nervous system of thousands of prisoners of war. Gastroenterology, 1948, **11**: 757–60.—**Angermayer, E.** Auffallende Häufung an Ulkusleiden bei kriegsgefangenen Russen. Wien. klin. Wschr., 1947, **59**: 77.—**Bacillary** dysentery in prisoners of war. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1942, **1**: March, 2–4. Also Bull. Hyg., Lond., 1942, **17**: 393 (Abstr.) Also Bull. War M., Lond., 1944–42, 2: 496 (Abstr.)—**Bastenie.** Présentation du travail de Kowalewski; étude de l'acidité gastrique chez des prisonniers de guerre présentant différents troubles gastrointestinaux. Bruxelles méd., 1948, **28**: 99.—**Bloom, H.** Dysentery in British prisoners of war. Lancet, Lond., 1944, **2**: 558–60. ——— **Merz, E. H., & Taylor, W. W.** Nutritional amblyopia in American prisoners of war liberated from the Japanese. Am. J. Ophth., 1946, **29**: 1248–57.—**Brennan, D. J.** The burning feet syndrome; observations of cases among prisoners of war in Manchuria. Med. J. Australia, 1946, **2**: 232–4.—**Burridge, W.** Pellagra among the prisoners in Egypt. Lancet, Lond., 1920, **2**: 764.—**Churchill, M. H.** Dietary deficiency diseases among prisoners of war. J. R. Army M. Corps, 1945, **85**: 294–8.—**Clarke, C. A., & Sneddon, I. B.** Nutritional neuropathy in prisoners-of-war and internees from Hong-Kong. Lancet, Lond., 1946, **1**: 734–7.—**Dekking, H. M.** Tropical nutritional amblyopia (camp eyes) Ophthalmologica, Basel, 1947, **113**: 65–92.—**Dunlop, E. E.** Surgical treatment of dysenteric lesions of the bowel among allied prisoners of war in Burma and Thailand. Brit. M. J., 1946, **1**: 124–7.—**Dysentery** carriers in a prisoners-of-war camp. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1942, **1**: June, 9. Also Bull. Hyg., Lond., 1942, **17**: 835 (Abstr.) Also Bull. War M., Lond., 1942–43, **3**: 100 (Abstr.)—**Edge, J. R., & Spillane, J. D.** Partial starvation in prisoners-of-war. Lancet, Lond., 1945, **2**: 317.—**Eisentraut, M.** Wurmbefall bei Kriegsgefangenen verschiedener Nationalität. Oeff. Gesundhdienst., 1943, **9**: B, 240.—**Everts, W. H.** Nutritional disorders in allied repatriates and Japanese prisoners of war. Tr. Am. Neur. Ass., 1947, **72**: 225.—**Fleck, S., Kellam, J. W., & Klippen, A. J.** Diphtheria among German prisoners of war. Bull. U. S. Army M. Dep., 1944, No. 74, 80–9.—**Fleischhacker, H., Holler, G., & Mathis, A.** Bericht über eine Kropfendemie unter kriegsgefangenen Russen. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 525–41.—**Gordon, J. E.** Diarrheal disease among prisoners of war. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 2, No. 1, 17–20. ——— Diphtheria among prisoners of war. Ibid., Sect. 4, 9.—**Haughwout, F. G.** Intestinal diseases in the Japanese prison camps in the Philippines. J. Techn. Meth., Toronto, 1945, **25**: 123–47.—**Himmel, W.** Dreijährige Erfahrungen über die Mangelnährschäden in einem Gefangenenlazarett im Osten. Prakt. Arzt, Wien, 1948, **2**: 513–22.—**Hirsch, F.** Sur certains troubles digestifs chez les prisonniers politiques rapatriés. Acta gastroenter. belg., 1946, **9**: 195–201.—**Hobbs, H. E., & Forbes, F. A.** Visual defects in prisoners-of-war, from the Far East. Lancet, Lond., 1946, **2**: 149–53.—**Hörmann.** Traumatische Neurosen bei Kriegsgefangenen. Med. Klin., 1917, **13**: 707.—**Hughs, A. G.** Behind the wire. Broad Way, Lond., 1948–49, **R.12**: 44–6.—**Kenny, S.** Diet for malnourished prisoners of war. Brit. M. J., 1945, **1**: 777.—**Kowalewski, K.** Etude de l'acidité gastrique chez des prisonniers de guerre présentant différents troubles gastro-intestinaux. Acta gastroenter. belg., 1947, **10**: 503–13.—**Landor, J. V.** The effect of nutritional disorders on the skin and mucous membranes as observed in the civilian internment camp, Singapore, during the Japanese occupation of Malaya. Brit. J. Derm. Syph., 1948, **60**: 1–9.—**Laplace, L. B.** Tuberculosis at a prisoner of war hospital. Bull. U. S. Army M. Dep., 1947, **7**: 398.—**Lendvai, J., & Lőrincz, L.** A hadifogolymaláría. Orvosok lap., 1948, **4**: 1045–9.—**Lewis, R. B.** Painful feet in American prisoners of war. U. S. Armed Forces M. J., 1950, **1**: 146–57.—**Lust, F.** Kriegsneurosen und Kriegsgefangene. Münch. med. Wschr., 1916, **63**: 1829.—**Manen, J. G. van.** De behandeling van kampoogen (deficiëntie-amblyopie) Ned. tschr. geneesk., 1946, **90**: 733–5.—**Meienberg, L. J., & Snell, A. M.** Nutritional deficiency as a probable cause of hepatic damage in repatriated prisoners of war. Gastroenterology, 1946, **7**: 430–41.—**Mitchell, J. B., & Black, J. A.** Malnutrition in released prisoners-of-war and internees at Singapore. Lancet, Lond., 1946, **2**: 855–62.—**Mörchen.** Traumatische Neurosen und Kriegsgefangene. Münch. med. Wschr., 1916, **63**: 1188–91.—**Musselman, M. M.** Pellagra in Americans in a Japanese prison. Bull. U. S. Army M. Dep., 1946, **5**: 403–11.—**Mustardé, J. C.** Dirt and disease. In his The Sun Stood Still, Lond., 1945, 4. impr., 107–31.—**Olenick, E. J.** Persisting ocular defects in Pacific war prisoners. U. S. Nav. M. Bull., 1948, **48**: 538–46.—**Orr, R., Houwer, A. W. M.** [et al.] Discussion on blindness in prisoners of war. Brit. J. Ophth., 1946, **30**: 631–6.—**Page, J. A.** Painful-feet syndrome among prisoners of war in the Far East. Brit. M. J., 1946, **2**: 260–2.—**Perry, A.** Enteric fever among prisoners of war in Ceylon. Ibid., 1902, **1**: 679.—**Prisonniers** (Les) de guerre aveugles. Rev. internat. Croix Rouge, 1944, **26**: 321.—**Report** of a Committee of inquiry regarding the prevalence of pellagra among Turkish prisoners of war. J. R. Army M. Corps, 1919, **33**: 426; passim.—**Rollier, M. L., & Rollier, R.** Pseudo-urémie des prisonniers de guerre après leur rapatriement. Progr. méd., Par., 1947, **75**: 153–7.—**Simpson, J.** Burning feet in British prisoners-of-war in the Far East. Lancet, Lond., 1946, **1**: 959–61.—**Slesinger, H. A., & Elrod, R. P.** Survey of dysentery in prisoners of war. Ann. Int. M., 1946, **24**: 1014–24.—**Spillane, J. D., & Scott, G. I.** Obscure neuropathy in the Middle East; report on 112 cases in prisoners-of-war. Lancet, Lond., 1945, **2**: 261–4.—**Vallejo Nágera, A.** Biopsiquismo del fanatismo marxista; investigaciones biopsicológicas en prisioneros internacionales. Rev. españ. med. cir. guerra, 1938, **1**: 267; passim.—**Walters, J. H., Rossiter, R. J., & Lehmann, H.** Malnutrition in Indian prisoners-of-war in the Far East; a survey of 2000 cases. Lancet, Lond., 1947, **1**: 205–10.—**Wijn, J. F. de.** Het polydeficiëntie-syndroom in de kampen op

Java en in Japan in het algemeen, de bevindingen van het bloedbeeld in het bijzonder. Ned. tschr. geneesk., 1946, **90**: 1288.—**Wortmann, H.** Vorläufige Mitteilungen über Beobachtungen bei Heimkehrern mit Oedemneigung in bezug auf Rheuma und Fokalherde. Deut. med. Wschr., 1949, **74**: 174.—**Wylie, P. E.** Incidence of x-ray evidence of upper gastrointestinal pathology in German prisoners of war. Mil. Surgeon, 1946, **98**: 131–4.

—— Educational service.

Adair, A. Scientific journals for enemy prisoners of war. Brit. M. J., 1942, **2**: 469.—**Aid** to prisoners of war. Bull. M. Libr. Ass., 1941–42, **30**: 214.—**Baker, J. R.** Scientific journals for enemy prisoners of war. Brit. M. J., 1942, **2**: 768. ——— Scientific literature for enemy prisoners of war. Nature, Lond., 1942, **150**: 408.—**Examens** universitaires et professionnels passés dans les camps de prisonniers de guerre. Rev. internat. Croix Rouge, 1943, **25**: 171–5.—**Medical** education in German prison camps. J. Am. M. Ass., 1944, **124**: 51.—**Secours** intellectuels aux prisonniers de guerre. Rev. internat. Croix Rouge, 1941, **23**: 894–8.—**Service** d'aide intellectuelle aux prisonniers de guerre. Ibid., 1943, **25**: 251.—**Service** des secours intellectuels du Comité international de la Croix-Rouge. Ibid., 815–21.—**Studious** (For) prisoners of war. Lancet, Lond., 1943, **2**: 272.—**Universités** (Les) et lycées dans les camps d'internés en Suisse. Rev. internat. Croix Rouge, 1942, **24**: 920–4.

—— Employment.

Great Britain. Foreign Office. Misc. No. (1916) Correspondence respecting the employment of British and German prisoners of war in Poland and France respectively. 4p. f° Lond., 1916.

Conditions of employment of prisoners of war. Month. Labor Rev., 1943, **56**: 891–5.—**Policies** for employment of prisoners of war. Ibid., 1944, **59**: 93.—**War** prisoners barred from hospital work, other resources are considered. Hospitals, 1943, **17**: No. 12, 83.

—— Escape.

Wyss, G. Die Rechtsstellung des entwichenen Kriegsgefangenen im neutralen Staat. 104p. 23cm. Bern, 1945.

Jeffrey, M., & Bradford, E. J. G. Neurosis in escaped prisoners of war. Brit. J. M. Psychol., 1944–46, **20**: 422–35.—**Kirwan, W. E.** Escape tactics of German war prisoners. J. Crim., Chic., 1944–45, **35**: 357–66.—**Martin, P. E.** Note sur les prisonniers de guerre évadés sur le territoire d'une puissance neutre. Rev. internat. Croix Rouge, 1944, **26**: 62–9.

—— Exchange.

American nationals in Japanese custody; repatriation negotiations. Prison. War Bull., 1943, **1**: No. 2, 4.—**Boots, J. L.** Delayed return. Dent. Rays, Pittsb., 1944, **19**: 78–83.—**Cadbury, W. W.** Doctors on board the motorship Gripsholm. Tr. Coll. Physicians Philadelphia, 1944–45, **12**: 26–8.—**Gimmestad, E.** Red Cross nursing service and the Gripsholm. Am. J. Nurs., 1944, **44**: 31.—**Harris, V.** We met the Gripsholm. Red Cross Courier, 1943–44, **23**: No. 7, 3.—**Wildbolz.** Echange des otages civils et des prisonniers de guerre gréco-turcs (rapport complémentaire sur l'activité de la Commission d'échange du 15 mai au 15 septembre 1923) Rev. internat. Croix Rouge, 1923, **5**: 1097–101.

—— Experiences.

Bolton, J. H. Personal experiences as a prisoner of war, with special reference to dietetics. In: Interallied Conf. War Med. (1942–45) 1947, 370–2.—**Eagle, G. F.** Experiences as a prisoner-of-war. Proc. Transvaal Mine M. Off. Ass., 1945–46, **25**: 85–90.—**Forrester, G. P.** Over four years in a prison camp. Am. Druggist, 1919, **67**: 25.—**Fyfe, A. J.** The happy Gefangenen. Radiography, Lond., 1947, **13**: 122–4.—**Hall, J. N.** Experiences of a prisoner in World War I. Prison. War Bull. 1943, **1**: No. 7, 2.—**Kleemann, E.** Kriegserfahrungen im Gefängnis. Arch. Krim., 1916, **67**: 1–24.—**Mustardé, J. C.** Exit the flesh-pots. In his The Sun Stood Still, Lond., 1945, 4. impr., 7–11. ——— Prisoner of war. Ibid., 32–45. ——— Full circle. Ibid., 230–40.—**Newman, P. H.** Experiences of a Dunkirk prisoner of war. In: Interallied Conf. War Med. (1942–45) 1947, 359.—**Roussel, P.** J'étais un prisonnier ... Maroc méd., 1941, **21**: 119.

—— Food and rations.

Cazalbou, L. A propos de la ration de nos prisonniers de guerre. Rev. path. comp., Par., 1915, **15**: 413.—**Cerveny, C. C.** Supplementary rations for prisoners of war. Prison. War Bull., 1945, **3**: No. 4, 4.—**Griffith, W. H.** The nutrition of prisoners of war, allied nationals, and others. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 4, 41–4.—**Law, R. K.** Dietary of British prisoners of war. Lancet, Lond., 1941, **1**: 364.—**McDonald, W. C.** Food packaging for prisoners of war. Prison. War Bull., 1943, **1**: 6.—**Rations** (The) of enemy prisoners. J. Am. M. Ass., 1942, **119**: 511.—**Ribadeau-Dumas, L.** Les conséquences de l'alimentation actuelle imposée à nos prisonniers de guerre. Bull. Acad. méd., Par., 1945, **129**: 42–4.

—— Health and hygiene.

Dibowski, C. Hygiene in Gefangenenlagern. In: Wehrhygiene (Handloser, S.) Berl., 1944, 332–6.—**Health** of the prisoners of war. Bull. U. S. Army M. Dep., 1945, No. 88, 61.—**McWalter, J. E.** The hygiene of prisoners of war. Pub. Health, Lond., 1916–17, **30**: 5–7.—**Prisonniers** (Les) de guerre et l'hygiène. Ann. hyg., Par., 1915, 4. ser., **23**: 157–64.—**Wiener.** Die Kriegsgefangennahme vom hygienischen Standpunkte. Wien. klin. Wschr., 1915, **28**: 359.

—— History.

Roach, A. C. The prisoner of war, and how treated. 244p. 8° Indianap., 1865.

Virginia (A) confederate. In vinculis; or, The prisoner of war. 216p. 19cm. Petersburg, Va., 1866.

—— Hospital.

See also **Hospital.**

Barbwire hospital; how six medical officers fought Germany behind the German line. Hospitals, 1945, **19**: No. 12, 52.—**Blue** Cross pays hospital bill for American held by Japanese. Ibid., 1944, **18**: No. 2, 65.—**Brettner.** Kriegsgefangenenlazarett Alexandrinenstrasse. Berl. klin. Wschr., 1914, **51**: 1698.—**Burkhard, P., Luvini, A., & Wolf de Salis, H.** Italie du Sud; visites d'hôpitaux, de camps d'évacuation pour prisonniers de guerre et internés civils et d'un camp d'internés civils. Rev. internat. Croix Rouge, 1945, **27**: 21–8.—**Conod, E.** Maroc; visites d'hôpitaux militaires, de cimetières et d'un détachement de travail. Ibid., 1944, **26**: 536.—**German** prisoner-of-war hospital opened. Bull. U. S. Army M. Dep., 1944, No. 81, 27.—**Hewer, A. G.** Organization and treatment in German military hospitals for prisoners of war. In: Interallied Conf. War Med. (1942–45) 1947, 391–4.—**Hôpital** de Rumeila pour prisonniers de guerre. Rev. internat. Croix Rouge, 1942, **24**: 585.—**Hospital** staffed by German doctors opened in Oklahoma. J. Am. M. Ass., 1944, **126**: 240.—**Huber, C.** Visite du General Hospital Poona, Italiens. Rev. internat. Croix Rouge, 1942, **24**: 337.—**Italie;** Hôpital militaire d'Ascoli-Piceno; Britanniques. Ibid., 1943, **25**: 199.—**Italie;** visite de l'Hôpital militaire Al Celio (Rome) Ibid., 952.—**Pryn, R. H. C.** Axis prisoners of war in a Brisith hospital. In: Interallied Conf. War Med. (1942–45) 1947, 401–3.—**Salis, H. W. de, & Luvini, A.** Italie du Sud; visites d'un hôpital et de quelques cimetières. Rev. internat. Croix Rouge, 1944, **26**: 841–5.—**Visite** de l'annexe de l'hôpital militaire 99; section pour maladies mentales; Allemands et Italiens. Ibid., 1943, **25**: 444–6.—**Visite** du 13th General Hospital. Ibid., 452.—**Wergeland, H., Fodstad, D., & Harlem, K.** Erfaringer fra et norsk feltsykehus arbeid med russiske ekskrigsfanger i Mo i Rana sommeren 1945. Nord. med., 1946, **32**: 2353–9.

—— Information bureau.

Agence centrale des prisonniers de guerre. Rev. internat. Croix Rouge, 1940, **22**: 278; 632; 1941, **23**: 388.—**Archives** de L'Agence centrale des prisonniers de guerre et leur classement. Ibid., 1942, **24**: 93–7, 2 pl.—**Assistance** to Air Forces next of kin. Prison. War Bull., 1945, **3**: 5.—**Chronique** de l'agence centrale des prisonniers de guerre. Rev. internat. Croix Rouge, 1940, **22**: 452; passim.—**Fonctionnement** du Service des secours de l'Agence centrale des prisonniers de guerre à Genève. Ibid., 1941, **23**: 591–3, pl.—**Futur** siège de l'Agence centrale [Hôtel de la Métropole, Genève] Ibid., 1942, **24**: 48–59.—**Prisoners** of war. J. Am. M. Ass., 1943, **122**: 816.—**Service** américain de l'Agence centrale des prisonniers de guerre. Rev. internat. Croix Rouge, 1943, **25**: 305–9.—**Service** britannique de l'Agence centrale des prisonniers de guerre. Ibid., 558–64.—**Service** colonial français de l'Agence centrale des prisonniers de guerre. Ibid., 309–14.—**Service** japonais de l'Agence centrale des prisonniers de guerre. Ibid., 1944, **26**: 139–43.—**Service** (Le) des nations groupées de l'Agence centrale des prisonniers de guerre. Ibid., 946–50.—**Service** (Le) Watson de l'Agence centrale des prisonniers de guerre. Ibid., 1942, **24**: 823–6, 2 pl.

—— Inspection.

Junod, M. Omission d'un délégué du Comité international de la Croix-Rouge. Rev. internat. Croix Rouge, 1943, **25**: 268–75.—**Missions** du Comité international de la Croix-Rouge. Ibid., 1942, **24**: 165–79.—**Visites** de camps. Ibid., 877–82.

—— Internment.

See **Camp; Internee.**

—— Laws and conventions.

See also **Humanitarianism; Law; Neutrality.**

Anthouard, A. F. J. d'. Les prisonniers de

guerre; renseignements pratiques sur les moyens de retrouver les prisonniers de correspondre avec eux et les secourir; le traitement des prisonniers de guerre en France et en Allemagne; texte de la convention de la Haye avec un commentaire par E. Hecht. 119p. 19cm. Par., 1915.

DEMOLDER, P. Conférence diplomatique pour la révision de la Convention de Genève et l'élaboration d'un convention internationale relative au traitement des prisonniers de guerre. p.577–641. 22½cm. Brux., 1929.
Arch. méd. belg., 1929, **82**:

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. 38/2: Vorschrift für das Kriegsgefangenenwesen: 1: Abkommen über die Behandlung der Kriegsgefangenen vom 27. Juli 1929. 2: Genfer Abkomen zur Verbesserung des Loses der Verwundeten und Kranken der Heere im Felde vom 27. Juli 1929 [Reprint] 62p. 21cm. Berl., 1940.

GREAT BRITAIN. FOREIGN OFFICE. Misc. No. 10 (1918): Agreement between the British and Ottoman governments respecting prisoners of war and civilians. 13p. f° Lond., 1918.

Activité du Comité international de la Croix-Rouge, en faveur des prisonniers de guerre et internés civils, du 1. juillet 1947 au 30 juin 1948. Rev. internat. Croix Rouge, 1948, **30**: 527–51.—**Brabner-Smith, J. W.** Legal aspects of treatment of prisoners of war. Mil. Rev., Fort Leavenw., 1942–44, **23**: No. 11, 44–6.—**Buschenhagen, W.** Die völkerrechtlichen Bestimmungen über Kriegsgefangenen, ihre Befolgung im Weltkriege, ihre Fortentwickelung durch den Weltkrieg. Ausz. Diss. Jurist. Fak. Giessen, 1924, **4**: 160–2.—**Convention** relative au traitement des prisonniers de guerre du 27 juillet 1929. Rev. internat. Croix Rouge, 1929, **11**: 563–92.—**Cramer, A.** Le service médical de l'Agence des prisonniers de guerre du Comité international de la Croix-Rouge. Méd. & hyg., Genève, 1947, **5**: 192.—**Documents** législatifs concernant les prisonniers de guerre, internés civils et civils ennemis. Rev. internat. Croix Rouge, 1943, **25**: 913–7.—**Frick-Cramer, R. M.** Le Comité international de la Croix-Rouge et les Conventions internationales pour les prisonniers de guerre et les civils. Ibid., 386; 567. ——— Contribution à l'élaboration d'une convention sur les prisonniers, militaires ou civils, tombés au pouvoir de l'ennemi ou d'une autorité non reconnue par eux. Ibid., 1947, **29**: 228–48.—**Heflebower, R. C.** Prisoners of war; what have been the chief causes of their sufferings in the past and how can these be best prevented in the future? Mil. Surgeon, 1928, **63**: 625–42.—**Instruction** française sur les prisonniers de guerre du 6 novembre 1939. Rev. internat. Croix Rouge, 1940, **22**: 27–39.—**International** Red Cross conference on treatment of war prisoners. J. Am. M. Ass., 1942, **118**: 911.—**Lois**, ordonnances, décrets, arrêtés, règlements concernant les prisonniers de guerre, internés civils et civils ennemis. Rev. internat. Croix Rouge, 1942, **24**: 904; 1944, **26**: 962.—**Prisonniers** de guerre. Ibid., 1943, **25**: 137–44.—**Projet** de Code des prisonniers de guerre, déportés, évacués et réfugiés; rapport sur la réalisation de la résolution xv de la X^me^ Conférence internationale de la Croix-Rouge, suivi d'un Avant-projet de Convention relative au traitement des prisonniers de guerre. Ibid., 1923, **5**: 771–814.—**Roussel, P.** Le Code international des prisonniers de guerre. Rev. Serv. san. mil., Par., 1936, **104**: 1033–75.—**Traitement** des prisonniers de guerre; Art. 27, al. 4 de la Convention relative au traitement des prisonniers de guerre du 27 juillet 1929. Rev. internat. Croix Rouge, 1941, **23**: 787–807.—**Werner, G.** Rapport présenté à la Conférence diplomatique au nom de la II^me^ Commission, chargée de l'élaboration du Code des prisonniers de guerre. Ibid., 1929, **11**: 523–41.

—— Life.

Abbott, J. S. Prison life in retrospect. Tr. Ass. Physicians Mayo Clin., 1923, **4**: 103–15.—**Chandler, G. C. H.** One aspect of prisoner of war life. S. Barth. Hosp. J., Lond., 1945–46, **49**: 146.—**Saga** of John Kriegy. Prison. War Bull., 1945, **3**: No. 3, 6, &c.

—— medical.

Medical-dental officers in P. O. W. camps. Med. Off., Lond., 1945, **73**: 102.—**Miyanaga, S.** Huryo no isi to Russia no kanzya [Captive doctors and Russian patients] Jap. J. Nurs., 1948, **3**: No. 5, 41–6.—**Mukherjee, H. C.** Scope of a medical man while a prisoner of war. Antiseptic, Madras, 1946, **43**: 635–9.—**Traitement** du personnel sanitaire au pouvoir de l'ennemi. Rev. internat. Croix Rouge, 1942, **24**: 385.—**Voncken, J.** Le principe de non-captivité des médecins en temps de guerre. Bull. internat. Serv. santé, Liége, 1949, **22**: 115–22.

—— Medical care, and nursing.

GERMANY. OBERKOMMANDO DES HEERES [HEERES-DRUCKVORSCHRIFT] H. Dv. 38/9: Vorschrift für das Kriegsgefangenenwesen; Dienstanweisung für den Lagerarzt eines Kriegsgefangenenlagers und Chefarzt des Kriegsgefangenenlagerlazaretts. 26p. 21cm. Berl., 1940.

Army provides medical kits for prisoners held by Japanese. J. Am. M. Ass., 1944, **125**: 711.—**Bezançon, F.** Sur l'urgence d'organiser les examens radiologiques systématiques dans les camps de prisonniers. Bull. Acad. méd., Par., 1940, **123**: 570.—**Breitner, B.** Gefangenenlagerchirurgie. Wien. med. Wschr., 1921, **71**: 418.—**Comment** (A) on the work of the service for eye-glasses section, Prisoners' Relief Department, International Red Cross Committee, Geneva, Switzerland. Am. J. Optometr., 1944, **21**: 64.—**Cooper, W. E.** Prison period. In his Med. Dept. Activ. Philippines, Wash., 1946, 12–9.—**Davis, D. S.** Nursing in prison camps. Mil. Surgeon, 1947, **100**: 42–6.—**Dishonoured** (A) profession [Treatment of war prisoners by German physicians] Brit. M. J., 1918, **2**: 524.—**Dixon, B. F.** Manila Bay episode; postscript. Hosp. Corps Q., 1946, **19**: No. 5, 1–10.—**Dupuy, R.** L'action des médecins parmi les prisonniers. Concours méd., 1943, **65**: 60.—**Medical** kits for American prisoners of war. Bull. U. S. Army M. Dep., 1944, No. 79, 34.—**Mission** orthopédique en faveur des prisonniers britanniques en Allemagne. Rev. internat. Croix Rouge, 1944, **26**: 39–41, 4 pl.—**Mustardé, J. C.** Some medical aspects of Axis prison camps. Practitioner, Lond., 1944, **152**: 45–52.—**Sassen, P.** Vertrauensarzt und Kriegsgefangener. Vertrauensarzt, 1944, **12**: 3–5.—**Schwalbe, J.** Feindliche Anklagen gegen die Hygiene unserer Gefangenenlager. Deut. med. Wschr., 1921, **47**: 688.—**Telje, E.** Litt om tannbehandlingen av de tidligere politiske fanger (Krigspensjoneringen) Munnpleien, 1947, **30**: 3–5.

—— Medical, dental and nursing experience with.

KASSOWITZ, K. E. Around a world on fire; exploits and escapes of an Austrian World War surgeon. 197p. 8° Milwaukee, 1935.

KAUER, J. T. Medical experiences in Luzon P. O. W. Camp No. 1. MS. 12p. [After Aug. 1945]
MS. in Histor. Div. SGO U. S. Army.

MUSTARDÉ, J. C. The sun stood still. 240p. 19cm. Lond., 1945.

POISSON, H. *Guerre 1914–15; des médecins prisonniers de guerre des allemands; comment ils furent traités; ce qu'ils virent. 56p. 8° Montpel., 1915.

WEINSTEIN, A. A. Barbed-wire surgeon. 310p. 22cm. N. Y., 1948.

Clarke, A. R. 37 months as prisoners of war. Am. J. Nurs., 1945, **45**: 342–5.—**Clausen, G.** Als kriegsgefangener Dentist in Amerika und England. Deut. dent. Zschr., 1948, **2**: 171.—**Coates, A. E.** Clinical lessons from prisoner of war hospitals in the Far East (Burma and Siam) Med. J. Australia, 1946, **1**: 753–60. ——— The doctor in the jungle prison camp. Speculum, Melb., 1946, No. 150, 26–8.—**Drucquer, J. K.** Experiences as an officer in medical charge of British prisoners of war in Italy and Germany. J. R. Army M. Corps, 1945, **85**: 161–3.—**Dunlop, E. E.** Clinical lessons from prisoner of war hospitals in the Far East. Med. J. Australia, 1946, **1**: 761–6.—**Egger, M. J.** Nursing poilus in prison, 1940. Trained Nurse, 1941, **106**: 257–61.—**Esler, E. J.** P. W. camp medicine in Borneo. Trephine, Brisbane, 1946–47, **2**: No. 2, 80–8.—**Fagan, K. J.** Surgical experiences as a prisoner of war. Med. J. Australia, 1946, **1**: 775.—**Giesberger, G.** Microbiological experiences in Japanese camps for prisoners of war. Antonie van Leeuwenhoek, Amst., 1947, **12**: 267–72.—**Holton, E. C.** Two years a prisoner of war in German East Africa. S. Mary Hosp. Gaz., Lond., 1917, **23**: 33.—**Kennedy, J.** Experiences of a medical prisoner of war. Med. Press & Circ., Lond., 1946, **215**: 4–8.—**Kimbell, C. W. A.** Medical aspects of life in a prisoner of war camp. J. R. Inst. Pub. Health, 1947, **10**: 120–7.—**Markowski, B.** Some experiences of a medical prisoner of war. Brit. M. J., 1945, **2**: 361–3.—**Marsden, A. T. H.** Observations by a pathologist during three and a half years as a prisoner of war in Malaya and Thailand. Med. J. Australia, 1946, **1**: 766–9.—**Medulla, C.** Quindici mesi di pratica ospedaliera fra i nostri prigionieri di guerra residenti in Egitto. Gior. med. mil., 1942, **90**: 588–611.—**Melon, L.** Le rôle du médecin prisonnier. Bull. internat. Serv. santé, Liége, 1946, **19**: 129–32.—**Price, R. K.** R. A. P. W. I.: an impression. Brit. M. J., 1946, **1**: 647.—**Rose, N. H.** Some medical experiences as a prisoner of war. Med. J. Australia, 1946, **1**: 772.—**Sykes, W. S.** Four years in gaol. Univ. Leeds Med. Mag., 1946, **16**: 59–68.—**Valentine, C.** Nursing at Los Banos. R. N., Rutherford, 1944–45, **8**: No. 8, 30–2.—**Vernon, S.** Medical experiences of a P. O. W. Alumni Bull. Long Island Coll. M.,

1947, 3: No. 2, 10.—**Vine, R. S.** Medical officer of a prisoner of war camp. J. R. Army M. Corps, 1943, 81: 128–34.—**Walker, E. R. C.** Impressions of a repatriated medical officer. Lancet, Lond., 1944, 1: 514.

—— Mistreatment.

See also **War criminal.**

Desoille, H. Assassinat systématique de prisonniers malades par les médecins nazis. Presse méd., 1945, 53: 553.—**German** brutality to Russian prisoners. J. Am. M. Ass., 1944, 124: 790.—**Zum Busch, J. P.** Fesselung deutscher Gefangener. Deut. med. Wschr., 1943, 69: 110.

—— Officers and assimilés.

Dearlove, A. R. Enforced leisure; a study of the activities of officer prisoners of war. Brit. M. J., 1945, 1: 406–9.

—— Periodicals.

ECHO (THE) Tullahoma, Tenn., No. 8/9, 1945–

FAR EASTERN PRISONERS OF WAR BULLETIN. Wash., v.1, No. 1, 1945–

PRISONERS OF WAR BULLETIN; pub. by the American National Red Cross for the relatives of American prisoners of war and civilian internees. Wash., v.1, 1943—

—— Processing.

Davis, D. M. Processing and caring for prisoners of war. Am. J. Nurs., 1946, 46: 152.

—— Psychiatric and neuropathological aspect.

DALLA VOLTA, A. Studi di psicologia e di psichiatria sulla prigionia di guerra. 55p. 8° Fir., 1919.

DENNY-BROWN, D. E. Neurological conditions resulting from prolonged and severe dietary restriction, case reports in prisoners-of-war, and general review. p.41–113. 25½cm. Balt., 1947. Medicine, Balt., 1947, 26:

VISCHER, A. L. Barbed wire disease, a psychological study of the prisoner of war. 84p. C. 8° Lond., 1919.

Brill, N. Q. Neuropsychiatric examination of military personnel recovered from Japanese prison camps. Bull. U. S. Army M. Dep., 1946, 5: 429–38.—**Eissler, K. R.** Incidental observations during psychiatric surveys on seven German prisoners of war. Am. J. Psychother., 1948, 2: 33–63.—**Jensch, N.** Psychogene Störungen in der Kriegsgefangenschaft. Nervenarzt, 1947, 18: 476.—**Katz, C. J.** Neuropathologic manifestations found in a Japanese prison camp. J. Nerv. Ment. Dis., 1946, 103: 456–65.—**Kissmeyer, A.** [Barbed-wire disease (in prisoners of war)] Ugeskr. laeger, 1918, 80: 1882–7.—**Mallinson, W. P., & Warren, W.** Repatriation; a psychiatric study of 100 naval ex-prisoners of war. Brit. M. J., 1945, 2: 798–801.—**Moore, D. F.** Diminution of vision in returned prisoners of war. Ibid., 400.—**Poynton, O.** Some observation on the psychological and psychiatric problems encountered in a Singapore prison camp. Med. J. Australia, 1947, 2: 509–11.—**Reichner, H.** Ueber Lagerneurosen. Studium gen., Heidelb., 1950, 3: 9–21.—**Whiles, W. H.** A study of neurosis among repatriated prisoners of war. Brit. M. J., 1945, 2: 697.—**Wunnenberg, W.** Psychologische Beobachtungen in einem Kriegsgefangenenlager; ein Beitrag zum Thema Stacheldrahtpsychose. Studium gen., Heidelb., 1950, 3: 21–31.

—— Psychological aspect.

See also subheading (Repatriation)

ANSBACHER, H. L. Attitudes of German prisoners of war; a study of the dynamics of national-socialistic followership. 42p. 26cm. Wash., 1948.

Forms No. 1, v.62: (or, No. 288) Psychol. Monogr.

Arntzen, F. I. Psychological observations of prisoners of war. Am. J. Psychiat., 1947–48, 104: 446.—**Cochrane, A. L.** Notes on the psychology of prisoners of war. Brit. M. J., 1946, 1: 282–4.—**Donald, C.** Prisoner-of-war mentality. Ibid., 1945, 1: 235.—**Hassenstein, F.** Der Mensch in der Gefangenschaft. Studium gen., Heidelb., 1950, 3: 5–8.—**In der Beeck, M.** Zur Psychologie des Kriegsgefangenen. Nervenarzt, 1948, 19: 136–40.—**Katz, C. J.** Experiences in a prison camp as a brackgound for therapy. Ment. Hyg., Alb., 1950, 34: 90–6. **Krugman, M.** A study of German prisoners of war. Am. J. Orthopsychiat., 1949, 19: 525–36.—**Mentality** (The) of the war prisoner. Lancet, Lond., 1918, 2: 675.—**Mustardé, J. C.** Process of adjustment. In his The Sun Stood Still, Lond., 1945, 4. impr., 90–107.—**Sivadon, P., & Bertrand, V.** Séquelles mentales de la captivité. Ann. méd. psychol., Par., 1947, 105: pt 2, 329.—**Strong, T.** Prisoner morale in Europe. Prison. War Bull., 1944, 2: No. 11, 7.—**Stungo, E.** Prisoner-of-war mentality. Brit. M. J., 1945, 1: 306.

—— Recreation (books, games, etc.)

Breycha-Vauthier, A. C. Les lectures pour les prisonniers de guerre. Rev. internat. Croix Rouge, 1943, 25: 69–72.—**Collecte** du livre. Ibid., 1944, 26: 653.—**Comité** consultatif pour la lecture des prisonniers et internés de guerre. Ibid., 1942, 24: 826–8.—**Eschbach, H.** Noël au camp de prisonniers (1914) Arch. méd. chir. province, 1921, 11: 577–80.—**Musique** (La) dans les camps de prisonniers de guerre. Rev. internat. Croix Rouge, 1942, 24: 937.—**Service** des secours intellectuels du Comité international. Ibid., 1943, 25: 886–7.

—— Red Cross care.

See also other subheadings.

Aide de la Croix-Rouge allemande pour le perfectionnement professionnel et les études des internés civils allemands en pays ennemi. Rev. internat. Croix Rouge, 1942, 24: 864–6.—**Chronique** de l'Agence centrale des prisonniers de guerre; les sociétés nationales de la Croix Rouge et les renseignements aux familles. Ibid., 1941, 23: 360–7.—**Comité** (Le) international de la Croix-Rouge et la guerre. Ibid., 255–65.—**Comité** (Le) international et la guerre. Ibid., 955–7.—**Croix** Rouge et les prisonniers de guerre; notice historique. Ibid., 1943, 25: 743–50.—**Huber, M.** Charges financières du Comité international de la Croix-Rouge et de l'Agence centrale des prisonniers de guerre. Ibid., 1942, 24: 439–44.—**Internationales** Rotes Kreuz; Kriegsgefangene. Praxis, Bern, 1942, 31: 269.—**Libby, V. K.** Prisoners of war! Red Cross Courier, 1942–43, 22: No. 2, 9–11.—**Marti, R.** Visites d'un camp de prisonniers de guerre et d'un lazaret. Rev. internat. Croix Rouge, 1948, 30: 38–44.—**Peter, M.** Prisoners of war and the International Red Cross Committee. Prison. War Bull., 1943, 1: No. 3, 4.—**Prisoners** of war. Annual Rep. Am. Nat. Red Cross, 1941–42, 109–11.—**Prisoners-of-war** news. Red Cross Courier, 1942–43, 22: No. 11, 18.—**Schaefer, G.** El trabajo de la Cruz Roja en pro de los prisioneros de guerra y desaparecidos. Actas Ciba, B. Air., 1941, 58–61, illust.—**Visites** des camps de prisonniers. Rev. internat. Croix Rouge, 1948, 30: 167–87.—**Wagner, H. M.** Activité du Service des secours intellectuels du Comité international de la Croix Rouge. Ibid., 1944, 26: 863–77, 2 pl.

—— Relief.

AMERICAN NATIONAL RED CROSS. Relief to prisoners of war; answering eleven frequent questions about aid to war prisoners. 1 fold. l. 22cm. Wash., 1943.

Aide (L') aux prisonniers de guerre du Comité universel des Unions chrétiennes de jeunes gens. Rev. internat. Croix Rouge, 1943, 25: 492–6.—**Cotton, J.** Aid to prisoners in the Far East. Prison. War Bull., 1944, 2: No. 10, 1.—**Dunning, H. W.** How relief supplies reach prisoners of war. Ibid., 1943, 1: No. 2, 2.—**Maillart, D.** L'aide suédoise aux prisonniers de guerre d'après M. Ernest Didring. Rev. internat. Croix Rouge, 1921, 2: 129–36.—**Odlin, W. S.** Getting help through to prisoners of war. Red Cross Courier, 1942–43, 22: No. 10, 16.—**Relief** to prisoners of war in the Far East. Prison. War Bull., 1943, 1: 4.—**Relief** shipments to the Far East; distribution report. Ibid., 1944, 2: No. 5, 1.—**Réorganisation** de l'aide individuelle aux prisonniers de guerre français en captivité. Rev. internat. Croix Rouge, 1942, 24: 313–8.—**Robinson, J. T.** Medical arrangements for the contact and relief of allied prisoners of war and internees in South-East Asia. J. R. Army M. Corps, 1946, 87: 266–71.—**Service** des secours du Comité international de la Croix-Rouge. Rev. internat. Croix Rouge, 1941, 23: 967–9.—**Strong, T.** Aid for war prisoners. Prison. War Bull., 1943, 1: No. 5, 2.

—— Religious service.

Besson, M. L'activité spirituelle de la Mission catholique suisse en faveur des victimes de la guerre. Rev. internat. Croix Rouge, 1943, 25: 223–8.—**Courvoisier, J.** L'oeuvre spirituelle parmi les prisonniers de guerre; Commission oecuménique des Eglises chrétiennes non-romaines. Ibid., 51–9.—**M., R.** La Mission catholique suisse et l'aide intellectuelle en faveur des prisonniers de guerre. Ibid., 659–63.

—— Repatriation (and medical discharge)

Brooke, H. H. W. Chest x-ray survey of repatriated prisoners of war from Japanese camps. Canad. M. Ass. J., 1946, 54: 141–4.—**Cartwright, G. E., & Wintrobe, M. M.** Hematologic survey of repatriated American military personnel. J. Laborat. Clin. M., 1946, 31: 886–99.—**Davidson, S.** Notes on a group of ex-prisoners of war. Bull. Menninger Clin., 1946, 10: 90–100.—**Frick-Cramer, R. M.** Le rapatriement des prisonniers du front oriental, après la guerre de 1914–18 (1919–22) Rev. internat. Croix Rouge, 1944, 26: 700–27.—**Füsthy, O.** A hazatért hadifoglyok egészségügyi ellátása. Népegészségügy, 1948, 29: 301–10.—**Hendrix, O. C., Houghton, J. D.** [et al.] Health of liberated naval personnel; report from Luzon. U. S. Nav. M. Bull., 1945, 45: 874–84.—**Large, S. D.** Repatriation. J. R. Army M. Corps, 1944, 83: 239–43.—

McDaniel, F. L., White, B. V., jr, & Thompson, C. M. Malnutrition in repatriated prisoners of war. U. S. Nav. M. Bull., 1946, **46**: 793–810.—**Medical** discharge of ex-prisoners of war. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 6, 8–12.—**Mission** d'un délégué du Comité international de la Croix-Rouge à Berbera, Somalie britannique. Rev. internat. Croix Rouge, 1942, **24**: 651–9, 8 pl.—**Nansen, F.** Rapport lu à l'Assemblée de la Société des Nations le 18 novembre 1920, sur l'oeuvre du rapatriement des prisonniers de guerre. Ibid., 1920, **2**: 1293–304.—**Newman, P. H.** The prisoner-of-war mentality; its effect after repatriation. Brit. M. J., 1944, **1**: 8–10.—**P., D.** Le centre de rapatriement de prisonniers de guerre (C. R. P. G.) de Belfort. J. méd. Bordeaux, 1919, **49**: 60.—**P., J.** Rapatriement du personnel affecté à l'administration des formations sanitaires. Rev. internat. Croix Rouge, 1945, **27**: 1–4.—**Pether, G. C.** The returned prisoners-of-war. Lancet, Lond., 1945, **1**: 571.—**Rapatriement** de civils italiens provenant de l'Erythrée et de la Somalie italienne et distribution de médicaments à la population civile de l'Erythrée. Rev. internat. Croix Rouge, 1943, **25**: 877–9.—**Varanini, M.** Servizio di accertamento e smistamento ex prigionieri restituite dal nemico. Osp. maggiore, Milano, 1920, 3. ser., **8**: 90–8.—**West, P.** When the soldier is home. Occup. Ther. Rehabil., 1944, **23**: 26.

—— Rights.

See subheading (Civilian status)

—— Sanitation.

Cooper, W. E. Special problems in sanitation and epidemiology. In his Med. Dept. Activ. Philippines, Wash., 1946, 31–7.

—— Sex life.

Hirschfeld, M. Sex life of war prisoners. In his Sex. Hist. World War, N. Y., 1937, 245–55.—**Paradeiser, H.** War captivity as sexual experience. In: Morals Wartime (Robinson, V.) N. Y., 1943, 116–20.

—— Sick and wounded.

See also subheadings (Repatriation; Transportation)

Great Britain. British Minister [of Bern] The reception of wounded prisoner soldiers of Great Britain in Switzerland. 8p. 16° Lond., 1916.

Great Britain. Foreign Office. Misc. No 17 (1916): Correspondence with the U. S. Ambassador respecting the transfer to Switzerland of British and German wounded and sick combatant prisoners of war. 6p. f° Lond., 1916.

Brown, C., Davison, W. [et al.] Tuberculous British prisoners in Germany. Brit. M. J., 1942, **1**: 426.—**Directives** concernant l'hospitalisation en Suisse. Rev. internat. Croix Rouge, 1942, **24**: 407–11.—**Français** hospitalisés à Leysin, Suisse. Ibid., 405–7, 2 pl.—**Hauser.** L'internement en Suisse des prisonniers de guerre malades ou blessés, 1916–19.—Ibid., 1941, **23**: 513–29.—**Hospitalisation** of interned sick and wounded prisoners of war in Switzerland. Mil. Surgeon, 1916, **39**: 575–81.—New camp for war blinded British prisoners in Germany. J. Am. M. Ass., 1942, **120**: 302.—**Perrot, A., Vischer, A.** [et al.] Rapatriement de grands blessés et malades et de membres du personnel sanitaire italiens et britanniques. Rev. internat. Croix Rouge, 1942, **24**: 397–404, 6 pl.—**Rapatriement** de grands blessés britanniques et italiens. Ibid., 363.—**Rapatriement** de grands blessés et malades et de membres du personnel sanitaire allemands et britanniques. Ibid., 1944, **26**: 41–53, 8 pl.—**Rapatriement** de grands blessés et malades et de membres du personnel sanitaire, britanniques et italiens. Ibid., 1943, **25**: 455; 547; 20 pl.—**Rapatriement** pour raisons de santé de prisonniers de guerre, et autres questions connexes; mémorandum adressé aux gouvernements des états belligérants. Ibid., 1944, **26**: 192–9.—**Rapatriements** (A propos des) de grands blessés. Ibid., 1945, **27**: 71.—**Rapport** sur le rapatriement des prisonniers de guerre pour raisons de santé et leur hospitalisation en pays neutres. Ibid., 1947, **29**: 791–813.—**Sutherland, A. M.** Interned in Switzerland; a Scottish chaplain's experience amongst the British wounded prisoners of war. Red Cross Mag., 1918, **13**: 53–9.

—— Statistics.

Swoboda, W. Die Kriegsgefangenen und Vermissten Bayerns. Zschr. Bayer. statist. Landesamt., 1948, **80**: 46–73.

—— Transportation.

Great Britain. Foreign Office. Misc. No. 3 (1918) Report on the transport of British prisoners of war to Germany. 53p. f° Lond. 1918.

Barritt, J. L., Burke, P. H. [et al.] Transportation of Japanese prisoners of war. U. S. Nav. M. Bull., 1945, **45**: 1969–75.—**C., M.** Protection des prisonniers de guerre transportés par voie de mer. Rev. internat. Croix Rouge, 1944, **26**: 199–213.—**Crews, J. V., & Hostetter, R. J.** Prisoners' voyage of doom. Hosp. Corps Q., 1948, **21**: No. 3, 21–48.—**Service** des transports maritimes du Comité international de la Croix-Rouge. Rev. internat. Croix Rouge, 1944, **26**: 248–50.

—— by belligerent captor powers.

Great Britain. Foreign Office. The treatment of prisoners of war in England and Germany during the first eight months of the war. 36p. 8° Lond., 1915.

—— by belligerent captor powers: Africa.

Afrique du Sud; visite du camp de prisonniers de guerre et d'internés civils de Zonderwater (Italiens) Rev. internat. Croix Rouge, 1943, **25**: 953–6.—**Arnold, F.** Afrique Equatoriale Française et Cameroun Français; visites d'un hôpital et de camps de prisonniers de guerre et internés civils. Ibid., 1944, **26**: 845–9.—**Burnier, H. E.** Visite d'un camp de prisonniers de guerre, au Kenya. Ibid., 1941, **23**: 996–1000. ——— Visites de camps de prisonniers de guerre italiens, Kenya. Ibid., 1942, **24**: 331–4. ——— Kenya; visites de camps de prisonniers de guerre. Ibid., 1944, **26**: 465.—**Du Bois, J.** Visites de camps de prisonniers de guerre. Ibid., 1941, **23**: 747.—**Erythrée;** visites de camps de prisonniers de guerre et d'internés civils. Ibid., 1943, **25**: 872–5.—**Grasset, E.** Visite du camp de prisonniers de guerre de Sonderwater, Italiens. Ibid., 1942, **24**: 335–7.—**Internés** civils italiens en Rhodésie [Illustrations] Ibid., 1943, **25**: opp. p. 186.—**Internés** civils en Rhodésie du Sud; Allemands et Italiens [Illustration] Ibid., 1942, **24**: opp. p. 846.—**Junod, H. P.** Visites de camps de prisonniers de guerre en Ethiopie et en Afrique orientale italienne. Ibid., 1941, **23**: 748–51.—**Kenya;** visite d'un camp de prisonniers de guerre italiens. Ibid., 1943, **25**: 372–4.—**Lambert, P.** Visites du camp de prisonniers du guerre de Gargaresc et du camp de travail de Fatma (Tripolitaine) Ibid., 1941, **23**: 985–9.—**Maroc;** visites de camps de prisonniers de guerre et de travailleurs étrangers. Ibid., 1943, **25**: 783–6.—**Odier, L.** Mission en Afrique. Ibid., 730–43.—**Prisonniers** de guerre italiens en Rhodésie [Illustrations] Ibid., opp. p. 46.—**Prisonniers** de guerre libyens en Egypte [Illustrations] Ibid., opp. p. 3€.—**Rhodesie** du Sud; Camp 4, Umvuma; du 12 au 17 août 1942. Ibid., 296–8.—**Rhodésie** du Sud; visites de camps d'internés civils italiens, faites par M. G. C. Senn, Camp 5, Fort Victoria; 3 au 11 août 1942. Ibid., 293–6.—**Seidl, M.** Tripolitaine; visites de camps de prisonniers de guerre et d'internés civils. Ibid., 1944, **26**: 371–5. ——— Erythrée; visites de camps de prisonniers de guerre et d'internés civils. Ibid., 608; 926. ——— Soudan anglo-égyptien; visite d'un camp de prisonniers de guerre. Ibid., 613–5.—**Senn, G. C.** Rhodésie de Nord; visite d'un camp de prisonniers de guerre. Ibid., 771–3. ——— Rhodésie du Sud; visite d'un camp de prisonniers de guerre. Ibid., 925.—**Tunisie:** visite de l'hôpital de prisonniers de guerre allemands de Tunis (Ostslazarett Tunis) Ibid., 1943, **25**: 782.—**Vaucher, G.** Camp de prisonniers de guerre italiens de Geneiffa, Egypte. Ibid., 1941, **23**: 284–7. ——— Camp de prisonniers de guerre italiens à Alexandrie. Ibid., 288.—**Visites** de camps de prisonniers de guerre français et d'internés civils à Diego-Suarez. Ibid., 1943, **25**: 370–2.—**Vust, R.** Algérie; visites de camps de prisonniers de guerre. Ibid., 1944, **26**: 113; 1945. **27**: 105.

—— by belligerent captor powers: America.

Baumgartner, H. Uruguay; visite d'un camp d'internés militaires et civils. Rev. internat. Croix Rouge, 1944, **26**: 376.—**Canada;** visite d'un camp de prisonniers de guerre. Ibid., 1943, **25**: 792.—**Maag, E. L.** Visites de camps de prisonniers de guerre au Canada. Ibid., 1942, **24**: 40–2. ——— Canada; visites d'un camp de travail et d'un détachement de travail. Ibid., 1944, **26**: 850–2. ——— Canada; visite d'un camp de prisonniers de guerre. Ibid., 1945, **27**: 111–3.—**Pestalozzi, A.** Colombie; visite d'un camp d'internés civils. Ibid., 1944, **26**: 852.—**Vénézuela;** camp du Cuartel Naveran (marins internés mais non inculpés) Ibid., 1942, **24**: 899.—**Vénézuela;** maison d'internement de San Esteban (Casa Publica) sur Puerto-Cabello. Ibid., 901.—**Vénézuela;** visite à des marins allemands et italiens de la marine marchande, inculpés de sabotage et d'incendie volontaire de leur navire; prison de Valencia. Ibid., 898.

—— by belligerent captor powers: America—United States.

Camp de Fort Lincoln (Allemands de la marine marchande et civils japonais) 26 octobre 1942. Rev. internat. Croix Rouge, 1943, **25**: 281–3.—**Camp** de Fort-Missoula; Italiens de la marine marchande et civils japonais; 28, 29, et 30 octobre 1942. Ibid., 283–6.—**Camp** de Livingston; internés civils et prisonniers de guerre japonais; 24 novembre 1942. Ibid., 289–92.—**Cardinaux, A.** Visites de camps de prisonniers de guerre, Etats-Unis d'Amérique. Ibid., 706–17. ——— **& Schnyder, P.** Etats-

Unis; visites de camps de prisonniers de guerre et d'internés civils. Ibid., 1944, 26: 116–20, 4 pl.—**Cooper, W. E.** Camp O'Donnell, the first permanent camp. In his Med. Dept. Activ. Philippines, Wash., 1946, 106–9. ——— Bilibid Prison. Ibid., 122–5.—**Dewitt, J.** Nursing behind barbed wire. R. N., Rutherford, 1944–45, 8: 36–8.—**Etats-Unis** d'Amérique; visites de camps de prisonniers de guerre et d'internés civils. Rev. internat. Croix Rouge, 1943, 25: 787–9.—**Jay, A. N.** Resumé of medical activities at German Prisoner of War Camp, Fort Lewis, Washington, August, 1944–August, 1945. J. Indiana M. Ass., 1946, 39: 172–8.—**McGibony, J. T.** Hospitalization and disposition of PW patients in the United States. Mil. Rev., Fort Leavenw., 1947–48, 27: No. 3, 61–4.—**Peter, M.** Etats-Unis d'Amérique; visites de camps de prisonniers de guerre et de détachements de travail. Rev. internat. Croix Rouge, 1944, 26: 928–31.—**Prisoner** of war camps. Army Navy Reg., 1943, 64: No. 3334, 17.—**Schnyder, P.** Etats-Unis; visites de camps de prisonniers de guerre et d'internés civils. Rev. internat. Croix Rouge, 1944, 26: 525–36.—**Statement** by War Department on administration of prisoner-of-war camps. Congress. Rec., 1943, 89: A4830.—**Visite** d'un camp de prisonniers de guerre; Camp de Fort Devens; Allemands. Rev. internat. Croix Rouge, 1943, 25: 109.

—— by belligerent captor powers: Asia.

Arkush, D. The experiences of a dental prisoner of war in Thailand camps. Dent. Rec., Lond., 1946, 66: 131–6.—**Bennet, J.** Nutritional conditions in army prison camps in the Far East. Proc. Nutrit. Soc., Cambr., 1946, 5: 89–94.—**Burgess, R. C.** Deficiency diseases in prisoners-of-war at Changi, Singapore, February, 1942, to August, 1945. Lancet, Lond., 1946, 2: 411–8.—**Chine** libre; visites du camp de prisonniers de guerre et d'internés civils nº 2 de Chenyan (province de Kweichow) Rev. internat. Croix Rouge, 1943, 25: 957–9.—**Colaço Belmonte, A.** Ervaringen uit gevangenkampen op Java en in Japan. Ned. tschr. geneesk., 1944–45, 419–24.—**Denny-Brown, D.** Military neurology in India with especial reference to deficiency syndromes in ex-prisoners of war. Arch. Neur. Psychiat., Chic., 1947, 58: 241–4.—**Diet** of British prisoners in Far East. Lancet, Lond., 1943, 2: 555.—**Dumoulin, F. V. B.** Deficiëntieverschijnselen onder geallieerde krijgsgevangenen in Siam. Ned. tschr. geneesk., 1946, 90: 925–32.—**Durran, J.** Ocular signs in the prisoner of war from the Far East. Brit. M. J., 1946, 1: 626.—**Eddey, H. H.** Prisoner-of-war camps in Borneo. Med. J. Australia, 1946, 2: 403.—**Egle, M. E.** Chine occupée; visite d'un camp de prisonniers de guerre en Chine occupée. Rev. internat. Croix Rouge, 1943, 25: 625–7.—**Grigg, J.** British prisoners-of-war in Siam. Brit. M. J., 1945, 1: 30.—**Gupta, L. M.** Malnutrition in recovered prisoners of war and internees; report of 10 cases evacuated from Thailand. Ibid., 1946, 1: 643–6.—**Harvey, C.** Medical aspect of the Singapore captivity. Med. J. Australia, 1946, 1: 769–72.—**Huber, Ch.** Visite d'un camp de prisonniers de guerre italiens aux Indes britanniques, 1er octobre 1941. Rev. internat. Croix Rouge, 1942, 24: 105–8. ——— Indes britanniques; visites de camps de prisonniers de guerre. Ibid., 1944, 26: 773–5.—**Indes** Britanniques; visites de camps de prisonniers de guerre. Ibid., 1943, 25: 105–8.—**Prisoner** of war camps in the Far East; approximate location of camps in which American prisoners are known to be detained [map] Prison. War Bull., 1943, 1: No. 3, 7.—**Prisonniers** de guerre britanniques et américains en Chine occupée [Illustrations] Rev. internat. Croix Rouge, 1943, 25: opp. p. 438.—**Prisonniers** de guerre aux Indes britanniques [Illustrations] Ibid., opp. p. 374.—**Robinson, J. E. C.** Work and problems of a medical officer prisoner of war in the Far East. J. R. Army M. Corps, 1948, 91: 51–65.—**Selwyn-Clarke, P. S., Bennet, J.** [et al.] Nutritional experiences in prisoner of war and internment camps in the Far East. Proc. Nutrit. Soc., Cambr., 1946, 5: 85–138, 2 pl.—**Senn, E.** Chine; visites d'un camp d'internés civils et de missions catholiques. Rev. internat. Croix Rouge, 1945, 27: 28–31.—**Simons, R. D. G.** Nutritional disorders of the skin among prisoners of war in the Far East. Brit. J. Derm. Syph., 1949, 61: 210–5.—**Visite** d'un camp de prisonniers de guerre et d'internés civils à Shanghaï. Rev. internat. Croix Rouge, 1943, 25: 209.—**Visites** de camps d'internés civils et de prisonniers de guerre aux Iles Hawaï. Ibid., 210–3.—**Vries, E. de.** Oogheelkundige ervaringen uit de krijgsgevangenkampen op Java. Ned. tschr. geneesk., 1947, 91: 464–8. Also English transl., Ophthalmologica, Basel, 1947, 113: 241–7.—**White, J. G.** Administrative and clinical problems in Australian and British prisoner-of-war camps in Singapore. 1942–45. Med. J. Australia, 1946, 2: 401–3.

—— by belligerent captor powers: Asia—Japan.

See also **Neuropsychiatry**—by countries: Japan.

HEASLETT, S. From a Japanese prison. 64p. 18cm. N. Y., 1943.

PEARSON, E. F. Morbidity and mortality in Santo Tomas Internment Camp. MS. 48p. [After 1945]

MS. in Histor. Div. SGO U. S. Army.

Adolph, W. H., Greaves, A. V. [et al.] Nutritional disorders in Japanese internment camps. War Med., Chic., 1944, 5: 349–55.—**Américains** au Japon. Rev. internat. Croix Rouge, 1942, 24: 875.—**British** prisoners in Japanese hands. Brit. M. J., 1944, 1: 240.—**Butler, A. M., Ruffin, J. M.** [et al.] The nutritional status of civilians rescued from Japanese prison camps. N. England J. M., 1945, 233: 639–52.—**Cameron, J. A. P.** Surgery in a Japanese prison camp on Singapore island. Edinburgh M. J., 1947, 54: 140–50.—**Camp** (Le) d'Ube. Rev. internat. Croix Rouge, 1943, 25: 265.—**Coates, A. E.** Surgery in Japanese prison camps. Austral. N. Zealand J. Surg., 1945–46, 15: 147–58, pl. ——— The practice of surgery in Japanese prison camp hospitals in Burma and Siam. Surgery, 1946, 19: 743–7.—**Cooper, W. E.** Medical activities, Japanese prisoner of war camps. In his Med. Dept. Activ. Philippines, Wash., 1946, 100–44.—**Cotton, J.** Prisoner of war camps in Japan, Zentsuji. Prison. War Bull., 1943, 1: No. 2. 1. ——— Japanese prisoner of war camps, Taiwan, Formosa, Ibid., No. 4, 2. ——— Prisoner of war camps in Japan. Osaka. Ibid., No. 6, 1. ——— Reports from Japanese camps. Ibid., 1944, 2: No. 8, 1. ——— Report on Taiwan camps. Ibid., No. 9, 4.—**Crawford, J. N., & Reid, J. A. G.** Nutritional disease affecting Canadian troops held prisoner of war by the Japanese. Canad. J. Res., 1947, 25: E, 53–85.—**Curtin, A. P.** Imprisonment under the Japanese. Brit. M. J., 1946, 2: 585.—**Délégation** au Japon. Rev. internat. Croix Rouge, 1943, 25: 5.—**Dunlop, E. E.** Medical experiences in Japanese captivity. Brit. M. J., 1946, 2: 481–6, pl.—**Everts, W. H.** Nutritional disorders in allied repatriates and Japanese prisoners of war. J. Nerv. Ment. Dis., 1947, 106: 393–400. Also Arch. Neur. Psychiat., Chic., 1948, 59: 817–23.—**Goldblith, S. A.** Japanese scientists and the POW's. Science, 1946, 104: 302.—**Haas, G. de.** Kruidenteelt in japansche krijgsgevangenschap. Pharm. wbl., Amst., 1947, 82: 51–6.—**Haimsohn, J. S.** Avitaminoses as seen in Japanese prisoners of war, with review of two cases. Memphis M. J., 1947, 22: 196–200.—**Haughwout, F. G.** Intestinal diseases in the Japanese prison camps in the Philippines. J. Techn. Meth., Toronto, 1945, 25: 123–47. ——— Dysentery, colitis and diarrhoea in Japanese civilian prison camps in the Philippines during World War II; primary, concurrent and recurrent dysentery. Am. J. Digest. Dis., 1948, 15: 142–50. ——— The secondary colites, post-dysenteric and non-dysenteric; animal parasites. Ibid., 176–83.—**Hollander, F. C.** Experiences as a Japanese prisoner. Med. Bull. (Standard Oil Co.) N. Y., 1944–46, 6: No. 5, 133–8.—**Japanese** camp report; Hakodate. Prison. War Bull., 1945, 3: 4.—**Kark, R., Aiton, H. F., & Pease, E. D.** The nutritional status of Japanese prisoners of war, Burma 1945. Ann. Int. M., 1946, 25: 266–9.—**Kauer, J. T.** Medical experiences in Luzon P. O. W. Camp No. 1. J. Mil. M. Pacific, 1946, 2: 1–6. Also Bull. U. S. Army M. Dep., 1948, 8: 302–9.—**Kisman, M.** De geneeskundige dienst buiten de kampen in de Minahassa (N. Celebes) tijdens de Japanse bezetting. Ned. tschr. geneesk., 1947, 91: 1104–9.—**MacArthur, P.** Diet and disease in Japanese prisoner of war camps. Surgo, Glasg., 1945–46, 12: 130–5.—**Maisey, C. W.** Some observations on, and methods of, dealing with medical problems when a prisoner of war of the Japanese, 1942–45. J. R. Army M. Corps, 1949, 92: 244–64.—**Marsden, A. T. H.** Observations by a pathologist during three and a half years as a prisoner of war in Malaya and Thailand. Med. J. Australia, 1946, 1: 766–9.—**May, E. L.** Parasitologic study of 400 soldiers interned by the Japanese. Am. J. Trop. M., 1947, 27: 129.—**Pemberton, T. M.** Observations on diseases among British prisoners of war in Japanese hands in the Far East, 1942–45. N. Zealand M. J., 1949, 48: 145–50, 2 pl.—**Price, R. K.** Prisioneros de guerra e internados aliados después de su rescate (transl.) Rev. san. mil., B. Air., 1946, 45: 880–5.—**Prisoners** of war evacuated from Kyushu. Statist. Navy M., 1946, 2: No. 8, 2–6.—**Prisoners** of war in Japanese hands. Brit. M. J., 1942, 2: 652.—**Prisonniers** de guerre britanniques au Japon [Illustrations] Rev. internat. Croix Rouge, 1943, 25: opp. p. 266.—**Reed, E. P.** Experiences of a medical officer in a Japanese prison. Texas J. M., 1946–47, 42: 534–7.—**Robinson, H. L.** The war and the internment camp at Manila. Harvard M. Alumni Bull., 1944–45, 19: 17–20.—**Schnitker, M. A.** A study of malnutrition in Japanese prisoners of war. J. Mil. M. Pacific, 1946, 2: No. 3, 3–19, incl. 5 pl.—**Scrivener, C. A.** The dental condition of Japanese-held American prisoners of war. J. Am. Dent. Ass., 1946, 33: 918.—**Sommers, H. F.** Japanese war prisoner's experience. Frater, Menasha, 1942–43, 42: 99–103.—**Springer, R.** Ervaringen van een groep engelsche en nederlandsche krijgsgevangenen op het eiland haroekoe tijdens de japansche bezetting van Ned.-Indie. Geneesk. gids, 1946, 24: 201; 213.—**Stening, S. E. L.** Experiences as a prisoner of war in Japan. Med. J. Australia, 1946, 1: 773–5.—**Symes, D. H., & Hamlin, R. H. J.** Prisoners of War in Japan. N. Zealand M. J., 1946, 45: 121–3.—**Three** hundred Americans die in Japanese prison camps. J. Am. M. Ass., 1943, 122: 682.—**Veith, I.** Humane warfare and inhuman war: Japan and its treatment of war prisoners. Bull. Hist. M., 1946, 19: 355–74.—**Warrack, A. J. N.** Conditions experienced as a Japanese prisoner of war from a medical point of view. J. R. Army M. Corps, 1946, 87: 209–30.—**Weinstein, A. A.** Medical and surgical problems in a Japanese prison camp. Bull. Fulton Co. M. Soc., 1946, 20: No. 11, 15.—**Whitfield, R. G. S.** Anomalous manifestations of malnutrition in Japanese prison camps. Brit. M. J., 1947, 2: 164–8.—**Woodruffe, M. F. A.** A study in adaptation, being an account of some expcriences as a medical officer in a Japanese prisoner-of-war camp. North Wing, Sheffield, 1947, Winter, 9–16.

—— by belligerent captor powers: Asia—Middle East.

Bon, H., & Descoeudres, P. Irak; visites de camps de prisonniers de guerre. Rev. internat. Croix Rouge, 1943, **25:** 622–4.—**Formanek, F.** Unsere Kriegsgefangenen in Turkestan. Wien. med. Wschr., 1919, **69:** 1332; 1377.—**Gubler, P.** Moyen-Orient; visites de camps d'internés civils italiens. Rev. internat. Croix Rouge, 1944, **26:** 109.—**McDonald, J. R.** Medical services for prisoners of war in the Middle East. J. R. Army M. Corps, 1944, **83:** 36–8.—**Palestine;** visites de camps de prisonniers de guerre et d'internés civils. Rev. internat. Croix Rouge, 1943, **25:** 99; 1944, **26:** 294.—**Seidl, M.** Irak; visite d'un camp de prisonniers de guerre. Ibid., 1944, **26:** 768–71.—**Smith, S.** Prisoners of war camps in the Middle East and their medical problems. Tr. R. Soc. Trop. M. Hyg., Lond., 1947–48, **41:** 185.—**Strisower, R.** Meine Erlebnisse in russischer Gefangenschaft und auf der Flucht aus Turkestan. Wien. klin. Wschr., 1915, **28:** 1114–7.—**Visite** d'un délégué du Comité international de la Croix-Rouge en Arabie saoudite, Djeddah. Rev. internat. Croix Rouge, 1942, **24:** 660–5.

—— by belligerent captor powers: Australia and New Zealand.

Bossard, L. Nouvelle-Zélande; visite d'un camp de prisonniers de guerre. Rev. internat. Croix Rouge, 1943, **25:** 630–2.—**Morel, G.** Visite du groups des camps de prisonniers de guerre allemands et italiens, en Australie, 6–9 octobre 1941. Ibid., 1942, **24:** 109–12.—**Prisonniers** de guerre et internés civils italiens en Australie (Nlle. Galles du Sud) [Illustrations] Ibid., 1943, **25:** opp. p. 298.—**Règlement** australien sur les prisonnieres de guerre; du 24 juillet 1941. Ibid., 1942, **24:** 764–81.

—— by belligerent captor powers: Europe.

Sievers, K. R. Hälso-och sjukvårdsförhållandena vid fånglägren i Helsingfors, på Sveaborg, Sandhamn och Mjölö efter friheteskriget 1918. p.1–70. 22cm. Helsin., 1930.

Fin. läk. säll. handl., 1930, **72:**

Aas, K. Sykdom og helsevesen på Grini. Tskr. Norske laegeforen., 1947, **67:** 84–91.—**Amman, J. d', Hefty, F. O., & Rilliet, A.** Suisse; visites de camps de prisonniers de guerre. Rev. internat. Croix Rouge, 1944, **26:** 684–90.—**Brunel, R.** Camps de prisonniers de guerre italiens en Grèce. Ibid., 1941, **23:** 281–4, illust.—**Camps** de prisonniers de guerre et de réfugiés militaires et civils en Roumanie [Illustrations] Ibid., 1943, **25:** opp. p. 80.—**Chapuisat, M. E., & Traz, D.** Hongrie; visites de camps. Ibid., 615–9.———— Roumanie; visites de camps de prisonniers de guerre. Ibid., 619–22.—**D., L.** L'activité de la délégation du Comité international à Athènes et la libération des otages. Ibid., 1945, **27:** 120–3.—**Hug.** Kriegschirurgische Beobachtungen und Erfahrungen an den Ohren und obern Luftwegen Internierter. Korbl. Schweiz. Aerzte, 1917, **47:** 1205–7.—**Lehner, O., & Thudichum, L.** Norvège; visites d'un camp de prisonniers de guerre et d'un lazaret. Rev. internat. Croix Rouge, 1944, **26:** 765–8.—**Matavchek, K.** Epidémie de diarrhée chez les prisonniers de guerre à Osijek. Rev. Corps san. mil., Par., 1946, **2:** 150.—**Mayer, E.** Belgique; visites d'un camp d'internées civiles et d'un camp d'hébergement. Rev. internat. Croix Rouge, 1944, **26:** 463, pl.—**Norvège;** visites de camps de prisonniers de guerre. Ibid., 1943, **25:** 867–72.—**Prisoner** of war and civilian internee camps in Europe; location of camps containing Americans [map] Prison. War Bull., 1944, **2:** No. 6, 6.—**Roumanie;** visite du camp de prisonniers de guerre américains et britanniques à Timesul de Jos. Rev. internat. Croix Rouge, 1943, **25:** 952.—**Secours** aux prisonniers de guerre soviétiques en Finlande [illust.] Ibid., 1942, **24:** 2 pl. opp. p. 638.

—— by belligerent captor powers: Europe—France.

Phlelebon, R. *Histoire médicale d'un camp de prisonniers de guerre allemands en France (le Camp de Beaumont, à Tours) 87p. 8° Par., 1919.

Berthelot, J. Valeur alimentaire des envois de denrées effectués mensuellement aux prisonniers de guerre par le Gouvernement français. Bull. Serv. san., Par., 1944, **2:** 490–5.—**Burckhardt, N., & Michel, W.** France; visites de camps de prisonniers de guerre et d'un hôpital. Rev. internat. Croix Rouge, 1945, **27:** 19–21.—**Daladier, E.** Organisation du service français de renseignements sur les prisonniers de guerre. Ibid., 1939, **21:** 895.—**Visite** du camp d'internés militaires britanniques du Fort de la Revère. Ibid., 1942, **24:** 843–5.—**Zimmer, R., Weill, J., & Dubois, M.** The nutritional situation in the camps of the unoccupied zone of France in 1941 and 1942 and its consequences. N. England J. M., 1944, **230:** 303–14.

—— by belligerent captor powers: Europe—Germany.

Backhaus, A. Die Ernährung der Kriegsgefangenen im Deutschen Reiche; Bericht über den Kursus für Verpflegungsoffiziere der Gefangenenlager vom 22. bis 25. Juni 1915 in Berlin; im Auftrage des Kriegsministeriums erstattet. 167p. 21cm. Berl., 1915.

D'Elia, E. Le condizioni dei prigionieri italiani in Germania durante la Seconda guerra mondiale. p.125–78. 26cm. Roma, 1948.

Ann. statist., Roma, 1948, **2:**

Ernährung (Die) der Kriegsgefangenen im Deutschen Reiche. 167p. 21cm. Berl., 1915.

Great Britain. Committee on Alleged German Outrages. Evidence and documents laid before the committee on alleged German outrages; being an appendix to the report of the committee. 296p. 8° Lond., 1916.

Great Britain. Foreign Office. Misc. No. 10 (1916) Report by the Government Committee on the Treatment by the Enemy of British Prisoners of War, regarding the conditions obtaining at Wittenberg Camp during the typhus epidemic of 1915. 9p. f° Lond., 1916.

—— Misc. No. 34 (1916) Report on the typhus epidemic at Gardelegen by the Government Committee on the Treatment by the Enemy of British Prisoners of War during the spring and summer of 1915. 10p. f° Lond., 1916.

—— Misc. No. 7 (1918) Report on the treatment by the enemy of British prisoners of war behind the firing lines in France and Belgium. 24p. f° Lond., 1918.

Labusquière, R. *Dix-huit mois avec les prisonniers à l'infirmerie d'Andernach; l'organisation médicale du Stalag XII D. 113p. 25cm. Bord., 1945.

Seiffert, G. Hygiene der Kriegsgefangenen in Deutschland. p.166–231. 25½cm. Berl., 1917.

Erg. Hyg. Bakt., 1917, **2:**

Abbott, F. Prisoner of war camps in Germany, Stalag III B. Prison. War Bull., 1943, **1:** No. 5, 4.—**Allemagne;** visite d'un camp de prisonniers de guerre, faite par les Drs. R. Marti et A. Masset, Frontstalag 325, 16 août 1942. Rev. internat. Croix Rouge, 1942, **24:** 885–7.—**Allemagne;** visite de camps de prisonniers de guerre. Ibid., 1943, **25:** 365; 1944, **26:** 286.—**Allemagne;** visites de camps de prisonniers de guerre et de détachements de travail. Ibid., 1942, **24:** 829; 1943, **25:** 360, 8 pl.—**Assicurazione** dei prigionieri di guerra in Germania. Fol. med., Nap., 1941, **27:** 518.—**Barbaud, J. C. G.** Les rations alimentaires dans un camp de prisonniers de guerre en Allemagne de janvier 1944 à avril 1945. Rev. Corps san. mil., Par., 1947, **3:** 150–9.—**Biner, B.** Allemagne; visites de camps de prisonniers de guerre. Rev. internat. Croix Rouge, 1945, **27:** 16–8.—**Bolaffio, M.** Sindrome da fame nei prigionieri di guerra italiani in Germania. Policlinico, 1921, **28:** sez. prat., 1227–35.—**Bomhard, H.** Kriegschirurgische Erfahrungen bei den gefangenen Franzosen aus Lager Lechfeld. Münch. med. Wschr., 1915, **62:** 729.—**Borrie, J.** A New Zealand medical officer in a German prisoner of war camp. N. Zealand M. J., 1943, **42:** 140–2.—**Breton, E.** Organisation et fonctionnement du service médical dans un camp de prisonniers en Allemagne (janvier–juillet 1915) Paris méd., 1915–16, **17:** 547–51.—**Challis, J.** Some experiences and reactions as a prisoner of war in German hands. Lond. Hosp. Gaz., 1945, **48:** 218–20.—**Charters, D. L.** Medical experiences as a prisoner of war in Germany. Liverpool Med. Chir. J., 1946, **50:** 45–58, 4 pl.—**Cochrane, A. L.** The medical officer as prisoner in Germany. Lancet, Lond., 1945, **2:** 411. ———— Medical experiences as a prisoner of war in Germany. Bull. U. S. Army M. Dep., 1947, **7:** 285–90.—**Conditions** at prisoner-of-war camp in Germany. Brit. M. J., 1941, **1:** 614.—**De Palma, G.** Relazione sulle condizioni igieniche del campo di concentramento di Wietzendorf (Oflag 83) per prigionieri di guerra (ufficiali) in Germania. Riv. ital. igiene, 1949, **9:** 67–90.—**Descoeudres, P., & Roulet, L.** Visites de camps de prisonniers de guerre en Allemagne. Rev. internat. Croix Rouge, 1941, **23:** 740.—**Diet** of prisoners in Germany. Brit. M. J., 1915, **1:** 1014.—**Eschbach, H.** L'installation d'un camp de prisonniers français en Allemagne. Arch. méd. chir. province, 1927, **17:** 308–19.—**Feeding** of prisoners of war in Germany (translation) J. R. Army M. Corps, 1915, **24:** 387–94.—**Fisher, C. M.** Marlag 1941–44. Canad. M. Ass. J., 1945, **52:** 305–7.—**German** prison camps. Brit. M. J., 1916, **1:** 420–2.—**Guillaume, A. C.** L'état de santé des prisonniers et le régime hygiénoalimentaire dans les camps d'Allemagne. Rev. sc., Par., 1916, **2:** 619–24.—**How** Germany feeds prisoners of war. Am. Food J., 1918, **13:** 25–8.—**Joyeux, C., & Dalle, M.** Note sur l'état sanitaire dans un camp de prison-

niers en Allemagne. Bull. Soc. path. exot., Par., 1915, **8**: 547–53.—**Knowles, G. S. A.** Impressions from a P. O. W. camp in Germany. Lond. Hosp. Gaz., 1945, **48**: 139–41.—**Kraemer, M.** Clinical findings in American soldiers released from a German prison camp. Gastroenterology, 1946, **7**: 191–8.—**Kriegsgefangenen** Lazarett Freising, 10 mars 1942. Rev. internat. Croix Rouge, 1942, **24**: 508.—**Labor** regulations for prisoners of war in Germany. Prison. War Bull., 1943, **1**: No. 3, 2.—**Lambert, P.** Visite du camp de prisonniers de guerre yougoslaves. Rev. internat. Croix Rouge, 1942, **24**: 102–4.—**Landolt & Kleiner.** Allemagne; visites de camps de prisonniers de guerre. Ibid., 1944, **26**: 923–5.—**Ledent.** Pour servir à l'histoire du traitement des prisonniers par les médecins allemands. Paris méd., 1919, **32**: Annexe, 159.—**Lhoste.** Comment les Allemands ont traité nos malades et blessés. Ibid., 113–6.—**Lynn, I.** German camp locations. Prison. War Bull., 1944, **2**: No. 12, 5.—**Marti, R.** Visites de camps de prisonniers de guerre en Allemagne. Rev. internat. Croix Rouge, 1941, **23**: 970–6. ——— Heimkehrlager Rouen, Heillager Rouen. Ibid., 1942, **24**: 97–9. ——— **& Descoeudres, P.** [et al.] Visites de camps de prisonniers de guerre en Allemagne. Ibid., 1940, **22**: 888; 1941, **23**: 10, 16 pl.—**Marti, R., & Morsier, J. de.** Visites de camps de prisonniers de guerre en France occupée. Ibid., 1941, **23**: 740–6.—**Martin, F. R. R.** Surgical experiences in P. o. W. hospitals in Germany. Univ. Leeds Med. Mag., 1946, **16**: 35–41.—**Mayer, E., & Biner, B.** Allemagne; visites d'un camp de prisonniers de guerre, d'un lazaret, et de détachements de travail. Rev. internat. Croix Rouge, 1944, **26**: 761–5.—**Mayer, E., & Thudichum, L.** Allemagne; visites de camps de prisonniers de guerre d'internés militaires. Ibid., 456–63, 2 pl.—**Means, L. S.** Stalag Luft III; a repatriate's report. Prison. War Bull., 1944, **2**: No. 6, 4, &c.—**Nouvelles** modalités de traitement des listes de prisonniers de guerre français en Allemagne. Rev. internat. Croix Rouge, 1942, **24**: 227–9.—**Pollack, H.** Conditions in prisoner-of-war camps and hospitals in Germany. In: Interallied Conf. War Med. (1942–45) 1947, 475–8.—**Poulsson, L. T.** Omkring dødelighet og dødsårsaker blant mannlige NN fanger i Tyskland. Tskr. Norske laegeforen., 1946, **66**: 611–3.—**Prisoners** of war in Belgium and Occupied France; report of International Red Cross delegates. Brit. M. J., 1941, **1**: 60.—**Prisoner** of war cage in Rheinburg, Germany, March 1945 [illust.] In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 2, No. 1, opp. p. 18.—**Prisoner** of war camps in Europe; approximate location of camps in which American prisoners are known to be detained [map] Prison. War Bull., 1943, **1**: No. 4, 6.—**Prisonniers** en Allemagne. Rev. internat. Croix Rouge, 1941, **23**: 917–32.—**Prisonniers** de guerre en Allemagne [Illustrations] Ibid., 1943, **25**: opp. p.36; opp. p.92; opp. p.446.—**Prisonniers** de guerre et internés civils en Allemagne [Illustrations] Ibid., opp. p.96.—**Procopio, M.** Venti mesi di prigionia di un medico in Germania. Riv. med. aeronaut., 1946, **9**: 79–81.—**Rapchevski, I. F.** [Feeding of prisoners of war in Germany] Voen. med. J., Petrogr., 1915, **244**: Med. spec. pt, 614–48.—**Ravitaillement** de camps de prisonniers de guerre et d'internés civils en Allemagne. Rev. internat. Croix Rouge, 1945, **27**: 285–95, 4 pl.—**Recollections** of a prisoner of war in Germany in 1915–16. Univ. Durham Coll. M. Gaz., 1935–36, **36**: 117–23.—**Reina, G.** I maltrattamenti sistematici dei tedeschi sui nostri prigionieri di guerra in Germania (note anatomo-patologiche macroscopiche e cliniche) Boll. Soc. med. chir., Pavia, 1920, **33**: 225–53.—**Reports** from camps in Germany. Prison. War Bull., 1944, **2**: No. 9, 1–3.—**Roos, G.** L'alimentation des déportés en Allemagne. Concours méd., 1946, **68**: 13.—**Russell, J. T.** Repatriates report on German camps. Prison. War Bull., 1944, **2**: No. 11, 1, &c.—**Smith, P.** Report on the lazarett at Stalag XI B. S. Thomas Hosp. Gaz., Lond., 1945, **43**: 135–7.—**Stevenson, D. S.** Famine oedema in prisoners of war. Brit. M. J., 1944, **1**: 658–60.—**Studies** and sports in German prison camps. Prison. War Bull., 1943, **1**: No. 4, 1.—**Therapeutic** treatment of war prisoners in Germany. Ibid., 1944, **2**: No. 3, 12.—**Thudichum & Wyss, P.** Allemagne; visites de camps de prisonniers de guerre et de détachements de travail. Rev. internat. Croix Rouge, 1944, **26**: 367; 601.—**Till, A. S.** Experiences of German medical services as a prisoner of war. In: Interallied Conf. War Med. (1942–45) 1947, 389–91.—**Treatment** (The) of British prisoners of war. J. Am. M. Ass., 1941, **116**: 776.—**Treatment** of war prisoners in Germany. Ibid., 1944, **125**: 285.—**Treatment** of war prisoners in Germany and Austria; a Russian account. Ibid., 1918, **70**: 1542.—**Tucker, W. E.** Experiences as a prisoner of war in Germany. Proc. R. Soc. M., Lond., 1943–44, **37**: 397–400.—**Visites** de camps de prisonniers de guerre en Allemagne; 10–13 juin 1940. Rev. internat. Croix Rouge, 1940, **22**: 615–31.—**Visites** de camps de prisonniers de guerre en Allemagne faites par le Dr. R. Marti. Ibid., 1942, **24**: 33–7.—**Zvjagincev, G. G.** Dva s polovinoju mesjaca v germanskom plenu po lečebnym zavedenijam. Voen. med. J., S. Peterb., 1915, **242**: Med. spec. pt, 242–58.

—— by belligerent captor powers: Europe—Great Britain.

GERMAN PRISONERS IN GREAT BRITAIN [Photographs] 62p. illus. 8° Lond., 1916.

GREAT BRITAIN. FOREIGN OFFICE. [Correspondence with the United States Ambassador respecting treatment of prisoners of war and interned civilians in the United Kingdom and Germany] 5 nos. f° Lond., 1915–16.

Forms No. 5, 7, 19 (1915) & 16, 26 (1916) of Miscellaneous publ., Gr. Britain For. Off.

Dock, L. L. A moral reprisal. Brit. J. Nurs., 1942, **90**: 113.—**Haccius, R. A.** Visites de camps de prisonniers de guerre en Angleterre. Rev. internat. Croix Rouge, 1941, **23**: 112–21. ——— Visites de camps de prisonniers de guerre allemands et italiens en Grande Bretagne. Ibid., 746. ——— Visites de camps de prisonniers de guerre en Grande-Bretagne. Ibid., 979; 1942, **24**: 19. ——— Visites de camps de prisonniers de guerre allemands, 9 mars 1942. Ibid., 1942, **24**: 509–11. ——— Description d'un camp-type pour prisonniers de guerre employés aux travaux agricoles en Grande-Bretagne. Ibid., 1943, **25**: 718–20. ——— Grande-Bretagne; visites de camps de prisonniers de guerre. Ibid., 1944, **26**: 606–8. ——— **& Biéri, F.** Grande-Bretagne; visites de camps de prisonniers de guerre. Ibid., 1945, **27**: 102–4.—**Haccius, R. A., & Zimmermann, J.** Grande-Bretagne; visites de camps de prisonniers de guerre allemands et italiens. Ibid., 1942, **24**: 665–70.—**Kaye, F. L.** Cómo trata la Gran Bretaña a los prisioneros italianos. Defensa, Méx., 1943, **3**: No. 22, 30–2.—**Pourtalès, M. H.** Grande-Bretagne; visites de camps de prisonniers de guerre; Camp No. 24. Rev. internat. Croix Rouge, 1942, **24**: 889–91.—**Trays, W. N.** The dental condition of German prisoners-of-war. Brit. Dent. J., 1945, **78**: 109.—**Zimmerman, J.** Visite du camp 36, Italiens, 16 janvier 1942. Rev. internat. Croix Rouge, 1942, **24**: 511–3.

—— by belligerent captor powers: Europe—Italy.

Abbott, F. Prisoner of war camps in Italy, No. 59. Prison War Bull., 1943, 1: No. 3, 3.—**Alexander, J. S.** Inanition and avitaminosis; experience in a prisoner-of-war hospital in Italy. S. Afr. M. J., 1944, **18**: 159.—**Ganz, E. J.** Italie du Sud; visite d'un camp de prisonniers de guerre. Rev. internat. Croix Rouge, 1945, **27**: 104.—**Italie;** Camp 62; Français, Yougoslaves et hommes de couleur. Ibid., 1943, **25**: 202–4.—**Italie;** Camp 113, prisonniers de guerre yougoslaves. Ibid., 45.—**Italie;** Camp 122, prisonniers de guerre britanniques de couleur. Ibid., 41.—**Italie;** Camp 201, prisonniers de guerre britanniques blessés et malades. Ibid., 42–4.—**Italie;** visites de camps de prisonniers de guerre et d'hôpitaux militaires; Camp 145, Yougoslaves. Ibid., 198.—**Lambert, P.** Camp de prisonniers de guerre britanniques, français, et grecs de Sulmona, Italie. Ibid., 1941, **23**: 290, illust. ——— Visites de camps de prisonniers de guerre grecs en Italie. Ibid., 456–67, 2 pl. ——— Visites aux prisonniers de guerre grecs dans des hôpitaux en Italie. Ibid., 467–9.—**Mustardé, J. C.** Tripoli. In his The Sun Stood Still, Lond., 1945, 4. impr., 131–45. ——— Over to Italy. Ibid., 146–60. ——— Piacenza. Ibid., 161–93. ——— Bari. Ibid., 215–30.

—— by belligerent captor powers: Europe—Russia.

Altmann, I. [Meine Erlebnisse in russischer Kriegsgefangenschaft] Wien. med. Wschr., 1919, **69**: 1276.—**Dean, R. F. A.** Women war captives in Russia. Brit. M. J., 1949, **1**: 691–5.—**Fejér, E.** Hadifoglyok egészségügyi ellátása a Szovjetunióban. Orvosok lap., 1948, **4**: 1576–80.—**Kádár, T.** Hadifoglyok egészségügyi ellátásáról a Szovjet Unióban. Ibid., 1949, 5: 53.—**Meckel, H.** Fünfeinhalb Jahre in russischer Kriegsgefangenschaft. Deut. med. Wschr., 1934, **60**: 1482–5.—**Sgalitzer, M.** Medizinische und persönliche Erlebnisse in russischer Kriegsgefangenschaft. Med. Klin., Berl., 1916, **12**: 377.—**Spitzer, K.** Oligurie oder lipophile Dystrophie bei Russlandheimkehrern? Wien. med. Wschr., 1948, **98**: 493.

PROBABILITY.

See under **Statistics.**

PROCAINE.

See also **Novocain.**

Anton, A. T. Intravenous procaine therapy. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: 11–5.—**Brown, J. F.** Administration of procaine intravenously; in general surgery and obstetrics. U. S. Armed Forces M. J., 1950, **1**: 158–64.—**Crosland, G. N.** Preparation of procaine-epinephrine solutions for use in dentistry. U. S. Nav. M. Bull., 1942, **40**: 427.—**Dodd, R. B., & Pfeffer, J. F.** Intravenous procaine therapy. Bull. U. S. Army M. Dep., 1948, **8**: 877–81.—**Farquhar, J. C.** Procaine hydrochloride 4-percent; indications for use. U. S. Nav. M. Bull., 1944, **43**: 111–3.—**Hewson, G. F.** Procaine toxicity with report of a near fatal case. Mil. Surgeon, 1945, **97**: 489–92.—**Leamer, B. V.** Intranasal procaine anesthesia. U. S. Nav. M. Bull., 1938, **36**: 498.—**McCullough, C. P., & Llewellyn, J. S.** Procaine tolerance; a possible cause of anesthesia failure; report of a case. Ibid., 1944, **42**: 1159–61.—**Necrosis** following injection of procaine. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 42.—**Pedigo, H. K.** Administration of procaine intravenously; in medical conditions. U. S. Armed Forces M. J., 1950, **1**: 280–3.—**Zeluff, R. J. M.** Administration of procaine intravenously; in traumatic surgery. Ibid., 26–9.

PROCTOLOGY.

See also **Rectum.**

Bernstein, W. C. Organization and operation of a department of proctology in a U. S. Veterans Hospital; some experiences gained from the first year's operation. Am. J. Surg., 1948, **76**: 694–700.—**Charles, J. D.** Proctology in an advance base hospital; experiences at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41**: 1577.—**Granet, E.** The treatment of acute proctological conditions afloat. Ibid., 635–42.—**Pope, C. E.** Proctology in the U. S. Naval. Hospital. Ibid., 1946, **46**: 1658–68.

PROCUREMENT.

See under **Ration supply; Supply.**

PROJECTILE.

See also **Ballistics; Bullet.**

Delgado Roig, S. Contribución médico-legal al estudio de los llamados proyectiles explosivos. Rev. españ. med. cir. guerra, 1941, **7**: 222–8.—**Dencks, H.** Die Stereophotogrammetrie als Hilfsmittel zur Identifizierung von Schlagbolzeneindrücken auf Geschosshülsenböden. Deut. Zschr. gerichtl. Med., 1942, **36**: 193–6.—**Halpern, M., & Hickam, J. B.** The wounding effect of high-energy missiles. J. Aviat. M., 1946, **17**: 504–10.—**Oltramare, J. H.** Les projectiles et leur mode d'action. In his Chir. guerre, Lausanne, 1944, 15–25.—**Ribeiro, P.** Fenômenos acústicos dos projéteis. Arq. políc. civ., S. Paulo, 1942, **3**: 336–42.—**Teneff, S.** Proprietà fisiche dei proiettili. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 89–93. ——— Proprietà dinamiche dei proiettili. Ibid., 1940, 94–9.—**Walker, K.** Projectiles and other engines of destruction. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 3–9.

—— Deflection, drift, and trajectory.

See under **Ballistics.**

—— Extraction.

See also **Foreign body.**

Bouton. Une nouvelle méthode de localisation des projectiles se basant sur la méthode de Patte, avec instrument de mesure. Bull. Soc. méd. mil. fr., 1945, **39**: 159–62.—**Chaussé, C.** La méthode de restitution et le compas radio-lumineux appliqués au repérage et à l'extraction des projectiles. J. belge radiol., 1946–47, **30**: 8–16.—**Eichhoff, E.** Die Geschossentfernung im rückwärtigen Heeresgebiet. Zbl. Chir., 1942, **69**: 2032–5. Also Deut. med. Wschr., 1943, **69**: 406 (Abstr.)—**Giménez Gan, M.** La extracción de proyectiles alojados; boloscopio. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 484–91.—**Grandgérard, R.** Comment concevoir le repérage radioscopique et radiographique des projectiles de guerre en 1939. Arch. méd. chir. app. resp., Par., 1939, **14**: 112–23.—**Gudin, M.** Guerra e localização de projetís. Rev. med. cir. Brasil, 1942, **50**: 755–82.—**Kirschner, M.** [Injuries with retained missiles; surgical removal] Bull. War M., Lond., 1942–43, **3**: 368–70 (Abstr.) Also War Med., Chic., 1942, **2**: 1011–4 (Abstr.)—**Localization** and extraction of projectiles. Rev. War Surg. & M., 1918, **1**: No. 10, 1–15.—**Mignot & Piffaud.** Application pratique du procédé de Strohl au repérage des projectiles. Rev. Corps san. mil., Par., 1948, **4**: 144–9.—**Montserrat, S.** La extracción de proyectiles en el pasado. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 831; 913.—**Oltramare, J. H.** Repérage et extraction des projectiles de guerre. In his Chir. guerre, Lausanne, 1944, **33**–53.—**Rescanières.** Présentation d'un nouvel appareil de localisation et de guidage pour extraction des projectiles. Bull. Soc. méd. mil. fr., 1945, **39**: 239–44.—**Robbe, A.** Geschossentfernung; Erfahrungen mit dem Boloskop und dem Hochfrequenzmetallsucher. Deut. Militärarzt, 1942, **7**: 12–5. Also Bull. War M., Lond., 1941–42, **2**: 487 (Abstr.) ——— Steckschussentfernung, Erfahrungen mit dem Boloskop und dem Hochfrequenzmetallsucher. Veröff. Marine San., 1942, H. 34, 47–55.—**Ross, J. A.** Removal of projectile fragments and immobilization of wounds in forward areas. Brit. M. J., 1945, **1**: 330–2. Also Spanish transl., Rev. san. mil., B. Air., 1945, **44**: 1651–9.—**Stoney, R. A.** Methods of removing projectiles and kindred foreign bodies. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 136–40.—**Tejerina González, E., & Botella Llusiá, J.** Un método sencillo de localización de proyectiles. Rev. españ. med. cir. guerra, 1939, **3**: 115–31, illust.—**Tissot, I.** Notes sur les projectiles de guerre et leur extraction. Arch. méd. pharm. mil., 1931, **95**: 21–47.—**Torres Marty, L., & Alonso Moreno, L.** Estudios sobre localización y extracción de proyectiles de guerra. Rev. españ. med. cir. guerra, 1938, **1**: 225–52, illust.—**Usadel, W.** Zur Entfernung der Steckgeschosse; ein Beitrag zur Empfehlung der Anwendung stereoskopischer Röntgenaufnahmen. Deut. Militärarzt, 1943, **8**: 207–15.—**Viallet & Jalet.** Essai d'application de la téléradiographie à la recherche, à la localisation et à l'extraction des projectiles. Algérie méd., 1935, **39**: 837–43.

PROJECTIVE technic.

See under **Neuropsychiatric examination,** Psychological tests.

PRONE position.

See under **Acceleration** subheadings (Protection; Tolerance) **Aircraft; Altitude,** Nervous system; **Flying,** Physiology.

PROPAN [and derivatives]

HAYNES, H. A., jr. Comparative study of the fungistatic and fungicidal properties of sodium propionate and other agents. 4 l. 27cm. Camp Lejeune, 1945.
Forms Res. Proj. X-308, U. S. Nav. M. Field Res. Laborat.

SPIEGL, C. J., HOWE, R. E., & LAFRANCE, L. The toxicity of hexachlorpropylene and trichlor acrylyl chloride. 25p. 27cm. Oak Ridge, 1947.
Forms MDDC 1715, Docum. U. S. Atom. Energy Com.

TEPPERMAN, J., & BODANSKY, O. The effect of para-aminopropiophenone-induced methemoglobinemia on oxygenation of working muscle in human subjects. 17p. 27cm. Edgewood Arsenal, 1946.
Forms No. 72, Rep. Med. Div. Chem. Warfare Serv. U. S. Army.

PROPHYLAXIS.

See under **Prevention.**

PROPIONATE.

See with **Propan.**

PROSTATE.

See also **Gonorrhea,** Complications; **Urogenital apparatus.**

Adye-Curran, W. J. P. Suprapubic prostatectomy in a patient aged 71 years 5 months: recovery. J. R. Army M. Corps, 1909, **12**: 452–5.—**Curtis, M. S.** New developments in the treatment of prostatic carcinoma. U. S. Nav. M. Bull., 1943, **41**: 1022–35.—**Del Portillo, L.** La moderna cirugía de la próstata. Med. & cir. guerra, 1949, **11**: 327–31.—**Freyer, P. J.** Total enucleation of the enlarged prostate, practical observations on the operation. J. R. Army M. Corps, 1909, **13**: 657–66.—**Frumkin, A.** Predstatelnaja železa. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 845–8.—**Glickman, L. G., & Nolan, L. E.** Carcinoma of the prostate gland, with metastases. Med. Bull., Veterans Admin., 1939–40, **16**: 343–8.—**Goodwin, O. P.** Disease of the prostate gland. U. S. Veterans Bur. M. Bull., 1931, **7**: 469–75.—**Luten, J. F.** Median lobe prostatic hyperplasia with prostatic calculi; removal by transurethral resection. U. S. Nav. M. Bull., 1936, **34**: 534–5, pl.—**Martínez Gil, S.** Carcinoma de próstata. Med. & cir. guerra, 1950, **12**: 19–24.—**Miller, W. W.,** jr. A simple method of converting the standard Stern-McCarthy prostatic electrotome to a pistol-grip-trigger model. U. S. Nav. M. Bull., 1947, **47**: 717.—**Pugh, W. S.** Prostatectomy. Ibid., 1928, **26**: 647–57, 3 pl.—**Rhodes, L.** Irrigation apparatus for resections. Ibid., 1946, **46**: 764.—**Ricen, E.** Prostatitis due to chronic, catarrhal, follicular tonsillitis. Ibid., 1935, **33**: 526.—**Thompson, G. J.** Surgical treatment of the prostate gland. Mil. Surgeon, 1940, **86**: 121–4.—**Unger, A.** Treatment of carcinoma of the prostate with estrogens. Med. Bull. Veterans Admin., 1942–43, **19**: 448.—**Vintici, V.** Considerațiuni asupra taliei vezicale in hipertrofia de prostată. Rev. san. mil., Bucur., 1937, **36**: 345–8.—**Wershub, L. P.** Hematuria in benign prostatic hypertrophy. Mil. Surgeon, 1929, **65**: 241.—**Williams, R. B.** Abscess of prostate; gangrene of scrotum, pyemia, death. U. S. Nav. M. Bull., 1912, **6**: 242.

PROSTHESIS.

See also **Denture; Eye,** artificial; **Leg,** artificial; **Limb,** artificial; **Palate,** cleft; **Paraffin; Splint;** also **Prosthetic service.**

ARMOUR RESEARCH FOUNDATION. Project No. 1-424F: Subcontractor's final report on development of prosthetic devices; determination of the suitability of the dilatancy process for the molding of plaster stump replicas; covering the period

from August 1946 through February 1947. 71p. on 37 l. 28cm. Chic., 1947.

Forms a part [part 2] of No. VAm 21223, Prime Contract U. S. Veterans Admin.

CONTINI, R. Investigations with respect to the design, construction, and evaluation of prosthetic devices. 2 v. [v. p.] 27½cm. Port Washington, 1949.

Forms No. 279–1–10, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

PUDENZ, R. H., GERSH, I., & ETTER, H. S. The effects of diathermy on tissues contiguous to implanted surgical metals. 20p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–133, U. S. Nav. M. Res. Inst.

Bulbulian, A. H. Repair of facial defects with prosthesis using latex compound. Mil. Surgeon, 1941, **88:** 179–82.—**Caldwell, G. A.** Orthopedic problems and prosthetics. In: Advance. Mil. Med., Bost., 1948, **1:** 134–9.—**Canty, T. J., & Ware, R. M.** Suction socket for above knee prosthesis. U. S. Nav. M. Bull., 1949, **49:** 216–33.—**Clarke, C. D.** Facial and body prosthesis in relation to war wounds. Med. Bull. North Afr. Theater U. S., 1944, **1:** 17–24.—**Cundiff, R. D.** Production of cosmetic hands and other latex prostheses. U. S. Nav. M. Bull., 1946, **46:** Suppl., 145–9, illust.—**Effects** (The) of diathermy on tissues contiguous to implanted surgical metals. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.-June, 3.—**Emory, L.** Temporary facial prostheses as an aid in the treatment of war injuries. Mil. Surgeon, 1946, **99:** 105–9.—**Peters, B.** The manufacture of prostheses by naval personnel. U. S. Nav. M. Bull., 1946, **46:** Suppl., 105–38, illust.—**Priorov, N., & Bynin, B.** Protez. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 884–94.—**Prosthetic** devices. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 9–20.—**Velikanova, M. M.** Kratkij obzor raznovidnostej protezov i apparatov, primenjavšikhsja pri lečenii ranenij verkhnej čeljusti; licevye protezy. In: Opyt sovet. med. Velik. otečˊ. vojne, Moskva, 1950, **6:** 203.—**Volk, C.** Die Reibungsgelenke, ihre Eigenschaften und Konstruktionsbedingungen. Kriegsbeschädigtenfürsorge, 1916–17, **1:** 453–6, 4 pl.

PROSTHETIC dentistry.

See under **Dentistry.**

PROSTHETIC service.

See also **Crutch walking; Ear mold; Eye,** artificial; **Foot; Hand,** artificial; **Leg,** artificial; **Limb,** artificial; **Orthopedics,** Veterans; **Prosthesis; Splint.**

PRIOROV, N. N. Как пользоваться протезом. 32p. 14cm. Moskva, 1943.

UNITED STATES. ARMY. COMMISSION ON AMPUTATIONS AND PROSTHESES. Report of European observations. 135p. 27cm. Wash., 1946.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10–13: Procedures for issuance and use of prosthetic service card. 6p. 27cm. Wash., 1946.

—— Technical bulletin TB 10A–10: Procedure for preparation of the Monthly Report of Prosthetic Appliances. 4p. 27cm. Wash., 1946.

—— Technical bulletin TB 10A–60: Establishment and transfer for prosthetic appliances service functions. 2p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–136: Furnishing of an appliance to a beneficiary who has been discharged from a hospital or center. 2p. 27cm. Wash., 1948.

Army prosthetics program. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 3–8.—**Hancock, J. G.** The Army Dental Corps [face prosthesis] Brit. Dent. J., 1944, **77:** 169.—**Kotov, A. P.** Osnovnye zadači vraća selskogo učastka v okazanii lečebno-proteznoj pomošči invalidam Otečestvennoj voiny. Vrach. delo, 1946, **26:** 179–82.

PROSTITUTE.

See also **Gonorrhea,** chronic; **Prostitution; Venereal disease.**

Army camp with camp follower preparing food; woodcut by unknown artist about 1530 [Illust.] Clin. Excerpts, N. Y., 1943, **17:** 166.—**Carson, N. B.** The delinquent girl as a wartime problem. Pennsylvania Health, 1944, **5:** 4.—**Fonss, A. L.** Prostitutionen under Krig. Ugeskr. laeger, 1917, **79:** 1479; 1521.—**Gordon, J. E.** [Parisian women of the brothels and boulevards] In: Prev. Med. in World War II, Wash., 1948, **2:** pt 5, 21.—**Hirschfeld, M.** Hospital for prostitutes. In his Sex. Hist. World War, N. Y., 1937, 199–204.—**Meyerhof, M.** Soldatendirnen im alten und neuen Aegypten. Mitt. Gesch. Med. Naturwiss., 1915, **14:** 323–9.—**Prostitute** (The) and the Army. Texas J. M., 1919–20, **15:** 234–6.—**Putte, P. J. van.** Arbeidscontract van een prostitutée met den sicherheitsdienst voor een wehrmachtsbordeel te Ijmuiden. Ned. tschr. geneesk., 1946, **90:** 186.—**Rippin, J. D.** Work with women and girls. Social Hyg., Balt., 1919, **5:** 125–36, 4 pl.

PROSTITUTION.

See also **Prostitute; Sexual life.**

BROUGHTON, P. S. Prostitution and the war [2. print] 31p. 21½cm. N. Y., 1942. ALSO 3. ed. 32p. 21cm. N. Y., 1944.

Forms No. 65 Pub. Affairs Pamphl.

HABERLING, W. G. M. Army prostitution and its control; an historical study. p.3–90. 21cm. N. Y., 1943.

In: Morals in Wartime (Robinson, V.)

PUERTO RICO. ATTORNEY GENERAL. Special report concerning the suppression of vice and prostitution in connection with the mobilization of the National Army at Camp Las Casas. 72p. 8° S. Juan, 1919.

UNITED STATES. CONGRESS. HOUSE OF REPRESENTATIVES. COMMITTEE ON MILITARY AFFAIRS. Extension of the act to prohibit prostitution in and around military and naval establishments; hearings. 30p. 23½cm. Wash., 1945.

WOOLSTON, H. B. Prostitution in the United States. Volume 1: Prior to the entrance of the United States in the World War. 342p. 8° N. Y., 1921.

Army and Navy orders and other government documents. J. Social Hyg., 1942, **28:** 57–63.—**Baltra Gacitúa, R.** Proyecto de reglamentación de la prostitución. Prim. Congr. med. cir. nav. mil. Chile, 1929, 664–74.—**Bat.** La prostituzione del dopoguerra. Rass. giuliana med., 1945, n. ser., **1:** 84–6.—**Camerer, C., & Huth, P. E.** The social evil in Japan. U. S. Nav. M. Bull., 1943, **41:** 1189–98.—**Gordon, J. E.** [Cherbourg houses of prostitution] In: Prev. Med. in World War II, Wash., 1948, **2:** pt 5, 18.—**Hirschfeld, M.** Regulation of Army brothels. In his Sex. Hist. World War, N. Y., 1937, 155–70. ——— The military organization of sex intercourse. Ibid., 164. ——— Prostitution behind the lines. Ibid., 171–86.—**Johnson, B.** Next steps [against prostitution near military camps] Social Hyg., Balt., 1918, **4:** 9–23.—**Le Pileur.** Indications sur la prostitution vulgivague à Paris depuis le début de la guerre. Bull. Soc. fr. prophyl. san. mor., 1918, **17:** No. 1, 12–26.—**Medical** bills in Congress; prostitution. J. Am. M. Ass., 1941, **117:** 125.—**Ness, E.** The new offensive along the police front. J. Social Hyg., 1942, **28:** 365–71.—**Neumann, R. K.** Prostitution und Spionage. Zschr. Sexwiss., 1914–15, **1:** 388–90.—**Pasini, A.** Guerra, prostituzione e malattie sessuali. Gior. ital. mal. vener. 1915, **50:** 105–20. Also Osp. maggiore, Milano, 1915, 2. ser., **3:** 241–9.—**Prohibition** of prostitution in the vicinity of military establishments. Army M. Bull., 1941, No. 58, 151–3.—**Prostitutes** blamed; suppression near Army camps held essential to the control of venereal disease; cleaning up of El Paso and Juarez brings new all-time low in rate. Science News Lett., 1942, **42:** 278.—**Prostitution** is an Axis partner. Am. J. Pub. Health, 1942, **32:** 85.—**Public** Health Council advocates suppression of prostitution in vicinity of military establishments. Health News, Albany, 1941, **18:** 199.—**Red-light** districts and their relationship to the Army and Navy. Rep. U. S. Interdep. Social Hyg. Bd, 1920, 85–91.—**Repression** of commercialized prostitution. Vener. Dis. Bull., Randolph Field, 1943, No. 9, 3–6.—**Reynolds, C. R.** Prostitution as a source of infection with the venereal diseases in the Armed Forces. Am. J. Pub. Health, 1940, **30:** 1276–82.—**Rupprecht.** Die Prostitution jugendlicher Mädchen in München im Kriegsjahr 1915. Zschr. Bekämpf. Geschlkr., 1916–17, **17:** 216–21.—**Snow, W. F.** Social hygiene and national defense; the attack on commercialized prostitution. J. Social Hyg., 1941, **27:** 317–20.—**Social** biology scheme for tackling the problem of promiscuity, and its corollary of venereal disease in war-time. Lancet, Lond., 1943, **2:** 171.—**Souza Ferreira, J. A. de, & Gonsalves, B.** Estudo médico-social do meretrício. Rev. med. mil., Rio, 1942, **31:** 133–40.—**Stokes, J. H.** A statement on prostitution in venereal disease control. In: Morals Wartime (Robinson, V.) N. Y., 1943, 155–60.—**Weatherly, E. T.** Local control of prostitution in wartime. J. Social Hyg., 1942, **28:** 383–8.—**Who** is delinquent? Ibid., 481.—**Why** the Army advocates the repression of prostitution. Vener. Dis. Bull., Randolph Field, 1942, No. 5, 3–5.

PROTECTION.

See **Prevention; Safety;** also under the following headings: **Acceleration; Burns; Carbon monoxide; Civilian defense; Cold exposure; Fire protection; Gravitation; Hospital administration; Mosquito control,** Clothing; **Nurse; Physician; Psychological warfare.**

PROTECTION of civilians.

See under **Geneva Convention.**

PROTECTIVE clothing.

See under **Clothing,** protective; also **Gas warfare,** Protective clothing; **Gravitation,** Protection.

PROTECTIVE measures.

See under **Camouflage.**

PROTEIN.

See also **Nutrition,** Caloric requirement.

SAROFF, H. A., & MARK, H. J. Use of the polarograph for concentration measurements in protein solutions; analysis of the albumin-zinc and albumin-mercury complexes. 37p. 27cm. Bethesda, 1949.

Forms Rep. No. 1, Proj. NM 000 006, U. S. Nav. M. Res. Inst.

Borsook, H. Biological synthesis of protein with use of isotopes. Q. Project Sum. Off. Nav. Res., 1948, July, 411.—**Stoian, P. I.** Despre polipeptide. Rev. san. mil., Bucur., 1937, **36:** 857–9.

—— Dietetic and therapeutic aspect.

See also next heading.

FRIES, W. *Ueber die Eiweisskost während des Krieges von Mitte Oktober bis Mitte November 1940 bei der Ernährung im Familienhaushalt in Berlin [Berlin] 16p. 23cm. Charlottenb., 1941.

GORTNER, R. A., jr, & ROMAINE, M. K. Notes on some high-protein liquid diets for use in gavage or supplementary feeding. 6p. 27cm. Bethesda, 1946.

Forms Rep. No. 3, Res. Proj. X–465, U. S. Nav. M. Res. Inst.

Almquist, H. J. Addendum on proteins in practical nutrition. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 1–3.—**Bursuk, G. G.** Zamena proteinov, obosnovanie i vybor zamenitelej v uslovijakh voennogo vremeni. Vest. oft., 1945, **24:** No. 3, 32–5.—**Conner, J. F.** Amount of protein required. Bull. U. S. Army M. Dep., 1944, No. 76, 97–9.—**Co-Tui, F. W.** Clinical aspects of protein metabolism. Ibid., 1948, **8:** 136–8.—**Intravenous** administration of enzymatic protein digests. Bumed News Lett., Wash., 1945, **5:** No. 8, 3.—**Lewis, H. B.** Protein metabolism in disease. Bull. U. S. Army M. Dep., 1949, **9:** 364–70.—**Lyons.** Protein metabolism in relation to wounds, disease, infection and operative procedure. Res. Program U. S. Army M. Res. Bd, 1946, July, 10. —— Protein metabolism in disease and injury. Ibid., 1947, July, 112; 1948, Jan., 188.—**Methods** for protein reinforcement of therapeutic diets. Ibid., 26.—**Neurauter, R., Wolf, J.** [et al.] Protein digests. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 131.—**Vajnberger, M.** [Protein therapy in ophthalmology] Voj. san. glasnik, 1940, 11: 399–406.

PROTEIN deficiency.

PIETROGRANDE, V. L'edema da fame. p.53–101. 24cm. Roma, 1945.

In: Pat. tempo guerra (Ficacci, L., Marini, B., & Pietrogrande, V.)

Bell, G. O., & Learner, A. Nutritional deficiencies associated with inadequate protein diets. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 51–6.—**Berning, H.** Truppenärztlich Wichtiges über die Oedemkrankheit. Deut. Militärarzt, 1942, **7:** 733–5.—**Kubota, N.** Sensō husyu no iti rei [Case of war edema] Gun idan zassi, 1940, 181.—**Mann, W. L.** Deprivation of sunlight as a possible factor in war dropsy; prison edema. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **2:** 261–76.—**Müller, P. G.** Das Kriegsödem als Eiweissmangelzustand. Deut. Militärarzt, 1939, **4:** 367–70.—**Pallister, R. A.** Oedema in an internment camp. Q. J. Med., Oxf., 1947, **16:** 47–60.—**Plass, H. R.** Plasma proteins in returning A. A. F. personnel. Bull. U. S. Army M. Dep., 1946, **6:** 76–9.—**Stapleton, T.** Oedema in recovered prisoners-of-war. Lancet, Lond., 1946, **1:** 850.—**Svjatoslavskaja, O. G.** [Results in protein therapeutic diet in alimentary dystrophy] Raboty Leningr. vrach. za god Otechest. voiny, 1943, **3:** 36–40.—**Winkelman, M.** Detection of nutritional anemia. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 38–40.

PROTEINURIA.

See as subdivision under **Medical examination.**

PROTEUS [incl. infection]

Archer, G. T. L. Notes on the proteus group of organisms with special reference to a case of renal infection by a member of this group. J. R. Army M. Corps, 1931, **57:** 241–7. —— Proteus muar isolated from a mouse. Ibid., 1938, **71:** 106–8.—**McKinstry, W. H., & Cropper, J. W.** Memorandum on the bacteria of the proteus group. Ibid., 1919, **33:** 168–74.—**Maurizi, A.** Proteobacillosi generale e locale; loro importanza nella patologia di guerra. Gior. med. mil., 1942, **90:** 854–64.—**Sonnenschein, C.** Pseudo-Weil-Felix-Reaktion bei Proteusinfektionen. Bull. War M., Lond., 1942–43, **3:** 631 (Abstr.)

PROTHROMBIN.

LAWRENCE, G. H., & CRONKITE, E. P. A species variation in prothrombin determinations on using several thromboplastic agents. 7p. 27cm. Bethesda, 1948.

Forms Rep. No. 9, Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Page, R. C., Kleinman, A., & Preisler, P. W. Determining prothrombin clotting time using Russell's viper venom as thromboplastic substance. Bull. U. S. Army M. Dep., 1946, **5:** 242–4.—**Species** (A) variation in prothrombin determinations on using several thromboplastic agents. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 14.

PROTOZOOLOGY.

See also **Parasitology.**

UNITED STATES. NAVAL MEDICAL SCHOOL. Laboratory guide to medical protozoology and helminthology. 183p. 27cm. Bethesda, 1943[?] —— Medical protozoology and helminthology. 157p. 27cm. Bethesda, 1944.

Alli, J. H. Tannic acid fixative method for staining protozoa. Mil. Surgeon, 1944, **95:** 317–9.—**Woodcock, H. M.** Protozoological experiences during the summer and autumn of 1916. J. R. Army M. Corps, 1917, **39:** 290–300.

PROTOZOONOSIS.

See also **Parasitosis;** also under specific terms as **Giardiasis,** etc.

Ascoli, M. Lezione clinica (lambliasi ed amebiasi) Gior. med. mil., 1933, **81:** 466–71.—**Bach, F. W.** Untersuchungen in Kriegs-, Friedens- und Nachkriegszeit über die Verbreitung parasitischer Darmprotozoen, insbesondere Entamoeba histolytica, unter der einheimischen Bevölkerung. Zbl. Bakt., **1.** Abt., Orig., 1949, **153:** 4–8.—**Bacigalupo, J.** Estadística de giardiasis en los exámenes de materias fecales realizados en el laboratorio del Hospital militar central. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7:** 692.—**Bews, D. C., & Choquette, L. P. E.** A preliminary study of the incidence of the intestinal protozoa in the Canadian Armed Forces. Canad. M. Ass. J., 1943, **49:** 501–3.—**Coggeshall, L. T.** Current and postwar problems associated with the human protozoan diseases. Ann. N. York acad. Sc., 1943–44, **44:** 195–206.—**Colvin, J. W., Ruebush, T. K.** [et al.] Enteric protozoa and helminth findings as influenced in the war years. Mil. Surgeon, 1947, **100:** 229–31.—**Hauer.** Sanierung der Träger von Darmprotozoen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 115–7.—**Larraburu, R. V.** Diagnóstico de enfermedades parasitarias causadas por protozoarios. Rev. san. mil., B. Air., 1946, **45:** 513–9.—**Murga, J. F., & Latienda, R. I.** Paracoccidioideomicosis; localizaciones nasales, laríngeas, traqueales y palatinas. Rev. san. mil. argent., 1948, **47:** 496–9.—**Poliansky, J. U., & Semenov, V. E.** O rasprostranenii parazitićeskikh kišećnykh prostejšikh sredi kontingentov Leningradskogo fronta v period Velikoj otećestvennoj vojny. Klin. med., Moskva, 1947, **25:** No. 5, 61–7.

PRURITUS.

See also **Dermatitis; Poison,** plant; **Scabies.**

Amberg, S., & Brunsting, L. A. The relief of pruritus by benzoyl persulfide, especially in dermatitis from poison ivy and insect bites. Mil. Surgeon, 1941, **88:** 617–21.

PRUSSIAN war.

For the wars of Prussia with other nations see under **Wars and campaigns.**

PSEUDARTHROSIS.

See **Fracture,** Healing.

PSEUDOHEMOPHILIA.

See under **Hemophilia.**

PSEUDOMONAS.

Pichotka, J., & Lewis, R. B. The prevention of secondary infection due to Pseudomonas aeruginosa in frostbitten tissue. 3p. 26cm. Randolph Field, 1949.

Forms Rep. No. 2, Proj. No. 21-02-079, U. S. Air Force School Aviat. M.

Archer, G. T. L. Pyocyanin and allied pigments. J. R. Army M. Corps, 1936, **66:** 27-31.—**Bhatnagar, S. S.** Bacillus pyocyaneus and systemic infection. Ibid., 1934, **63:** 331-7.

PSITTACOSIS virus.

See under **Bacteriological warfare,** Weapons; **Ornithosis.**

PSORIASIS.

See also **Dermatosis,** Disability.

Cullins, J. G. Psoriasis. U. S. Veterans Bur. M. Bull., 1928, **4:** 951-3, 2 pl.—**Ferrabouc, L., Curveillé, J.,** & **Mozziconacci, P.** Psoriasis vaccinal. Bull. Soc. méd. mil. fr., 1937, **31:** 327-30.—**McLaughlin, R. R. M.** Psoriasis following prickly heat. U. S. Nav. M. Bull., 1944, **43:** 762.—**Peters, D. B.** Psoriasis nummularis; case report. Ibid., 1941, **39:** 411, pl.—**Torii, T.** Kyōsen roentgen sigeki hōsya ni yoru zinzyō-sei kansen no tiken hoi [Experiments in the cure of ordinary psoriasis through stimulation of the thymus gland by roentgen rays] Gun idan zassi, 1925, 281-94, 5 pl.

PSYCHASTHENIA.

See also **Neurasthenia.**

Bennett, W. L. Psychasthenia. J. R. Army M. Corps, 1917, **28:** 614.—**Fraser, A. C.** Psychasthenia, hysterical tremor and fits (shell shock) complicated by angio-neurotic oedema. Med. J. Australia, 1919, **2:** 436.—**Sereisky, M.** Psikhastenija. In: Encikl. slovar voen. med., Moskva, 1946-48, **4:** 947-9.

PSYCHIATRIC hospital.

See also **Neurology; Neuropsychiatry.**

Army outpatient psychiatric service. Am. J. Psychiat., 1942-43, **99:** 896.—**Bailey, P., Paton, S.,** & **Salmon, T. W.** Letter to the Surgeon General, United States Army; psychiatric hospital units. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10:** 489-96.—**Barbato, L.** Services the state hospital can render the community in war times. Yearb. Texas Soc. Ment. Hyg., 1942, 37.—**Brill, N. Q.** Psychiatry in the Army hospital. Bull. Menninger Clin., 1944, **8:** 141-4.—**Cane, B. S.** Changing complexion of neuropsychiatric hospital admissions. Med. Bull. Veterans Admin., 1939-40, **16:** 166-8.—**Cunningham, J. M.** The development of psychiatric service in the general hospital and its relation to the veteran. Am. J. Orthopsychiat., 1945, **15:** 463-71.—**De Louvain, G.** Les modes d'activité clinique en neuropsychiatrie militaire d'hôpital. Ann. méd. haïti., 1935, **12:** 5-17.—**K., W. F.** Convalescent hospitals for the treatment of psychiatric combat casualties. Bumed News Lett., Wash., 1943, **1:** No. 9, 20.—**Kielholz, A.** Militärpsychiatrie in der geschlossenen Anstalt. Schweiz. med. Wschr., 1941, **71:** 1048-53.—**Menninger, W. C.** Psychiatric problems in Army hospitals. Bull. U. S. Army M. Dep., 1943, No. 71, 31-42.—**Müller, H.** In der Irrenabteilung der Berliner Charité um 1854. Allg. Zschr. Psychiat., 1932, **97:** 415-36.—**Pacheco e Silva, A. C.** A psiquiatria e a guerra moderna; importância dos centros psiquiátricos; serviços especializados; introdução. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 9-19.—**Parsons, E. H.,** & **Overholser, W.** Saint Elizabeths hospital. Mil. Surgeon, 1938, **83:** 227-34.—**Read, H. S.** The administration of a small psychiatry center (Z. I.) in a general hospital. Ibid., 1946, **98:** 404-9.—**Reynolds, C. L.** Organization of psychiatric service in a naval hospital. Ibid., 1942, **90:** 386-90.—**Rome, H. P.** Psychiatry as seen in the advanced mobile base hospitals. Am. J. Psychiat., 1943-44, **100:** 85-9.—**Rosenberg, S. J.** The psychiatric service of an Army station hospital. Ibid., 1942-43, **99:** 864-8.—**Tureen, L. L.,** & **Stein, M.** The base section psychiatric hospital. Bull. U. S. Army M. Dep., 1949, **9:** Suppl., 105-34.—**Vicary, W. H.** An analysis of accidents at a hospital for psychotic patients. Med. Bull. Veterans Admin., 1941-42, **18:** 292-6.

—— Nursing.

Brown, M. J. Psychiatric nursing in Naval base hospitals. Am. J. Nurs., 1944, **44:** 1135-7.—**Craig, L. N.** Psychiatric nursing for Navy hospital corpsmen. Ibid., 459.—**Feldberg, T. M.,** & **Rosenberg, S. J.** The psychiatric social worker in an Army station hospital. Ment. Hyg., Alb., 1944, **28:** 586-95.

PSYCHIATRIC service.

See under **Psychiatric hospital;** also **Psychiatry,** Service organization.

PSYCHIATRIST.

See also **Consultant; Neurologist; Neuropsychiatrist.**

Baum, O. E. The field medical officer and psychiatry. Mil. Surgeon, 1946, **98:** 137-46.—**Completing** our mobilization. Psychiatry, Balt., 1942, **5:** 263-82.—**Masserman, J. H.** A report of the Committee on National Defense of the Illinois Psychiatric Society. Dis. Nerv. Syst., 1942, **3:** 127.—**Menninger, W. C.** The military psychiatrist. Bull. Menninger Clin., 1943, **7:** 129-36.—**Moacir Navarro.** Artur Ramos no Curso de psiquiatria de guerra. Rev. paul. med., 1945, **26:** 167-72.—**Timofeev, N.** Psikhiatr. In: Encikl. slovar voen. med., Moskva, 1946-48, **4:** 949-51.

—— Duties and functions.

See also **Armored Force; Division; Navy yard; Neuropsychiatric casualty.**

Abbot, E. S. The work of psychiatrists in military camps. Proc. Am. Med. Psychol. Ass., 1918, **74:** 299-308.—**Blackman, N.** Use your psychiatrist. Mil. Rev., Fort Leavenw., 1944, **24:** 57.—**Braceland, F. J.** Role of the psychiatrist in the general rehabilitation program. U. S. Nav. M. Bull., 1944, **43:** 621-7.—**Cohen, S. A.** The army medical officer looks at psychiatry. War Med., Chic., 1941, **1:** 205-12.—**Fabregues, F.** La magnitud del problema psiquiátrico en la última guerra mundial; cómo abordarlo en el futuro; la participatión de los médicos psiquiatras y de los oficiales combatientes. Rev. mil., B. Air., 1949, **49:** 1535-49.—**Fitzpatrick, G.** War Office Selection Boards and the role of the psychiatrist in them. J. R. Army M. Corps, 1945, **84:** 75-8.—**Greaves, M.** Psychiatrists and the recruit. Lancet, Lond., 1941, **2:** 812.—**Kenworthy, M. E.** A challenge to the psychiatrist. Dis. Nerv. Syst., 1943, **4:** 59-62.—**Menninger, W. C.** The psychiatrist in relation to the local Selective Service Board. J. Kansas M. Soc., 1941, **42:** 512-5. ——— & **Greenwood, E. D.** The psychiatrist in relation to the examining boards. Bull. Menninger Clin., 1941, **5:** 134-8.—**Phillips, P. B.** The psychiatrist in a dispensary. Mil. Surgeon, 1949, **104:** 207-11.—**Porter, W. C.** The military psychiatrist at work. Am. J. Psychiat., 1941-42, **98:** 317-23. ——— **Novak, J. G.,** & **Lemkau, P. V.** Therapeutic considerations for Army psychiatrists. Mil. Surgeon, 1943, **92:** 372-9.—**Tiling, E.** Der Psychiater auf der psychologischen Prüfstelle; worin unterscheidet sich seine Arbeitsweise von der des Wehrmachtspsychologen und worin ergänzt sie diese? Deut. Militärarzt, 1938, **3:** 509-14.—**Warson, S. R.** The role of the psychiatrist in the Army induction program. J. Missouri M. Ass., 1942, **39:** 318-20.

—— Education and training.

Army graduates specially trained psychiatrists. J. Am. M. Ass., 1944, **125:** 853.—**Blank, H. R.** An aid in the training of neuropsychiatric ward officers. Bull. U. S. Army M. Dep., 1947, **7:** 116-20.—**Haun, P.** Orientation of the Army psychiatrist. Am. J. M. Sc., 1944, **208:** 154-69.

—— naval.

Gardner, G. E. The role of the psychiatrist in the naval disciplinary barracks. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 129-33.—**Harris, H. J.** Functions of a psychiatrist in a Navy yard. Ibid., 44-6.—**Marsteller, A. A., Raines, G. N.** [et al.] Training the naval psychiatrist. J. Am. M. Ass., 1942, **120:** 968-70.

PSYCHIATRY.

See also **Combat psychiatry; Division; Journals,** Psychology; **Mental hygiene; Neuropsychiatry; Prisoner of war,** Psychiatric aspect; **Social service,** psychiatric.

Amo Slocker, J. Un tema de psiquiatría. Rev. san. mil., Madr., 1935, **25:** 285; 335.—**Boven.** Psychiatrie de guerre. Schweiz. med. Wschr., 1940, **70:** 739.—**Brussel, J. A.** Military psychiatry. Mil. Surgeon, 1941, **88:** 539-41.—**Caltlie, N.** Forward psychiatry. J. R. Army M. Corps, 1948, **91:** 93-5.—**Carp, E. A. D. E.** [On war psychiatry] Ned. tschr. geneesk., 1939, **83:** 5036-40.—**Dancey, T. E.** Psychiatry. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 27-31.—**Dickin, E. P.** Military psychiatry. Brit. M. J., 1943, **1:** 233.—**Drayer, C. S.** Military psychiatry. Am. J. Psychiat., 1949-50, **106:** 544.—**Edelstein, A.** Voennaja psikhiatrija. In: Bolsh. med. encikl., 1933, **27:**

678–80.—**Essen-Möller, E.** Krigspsykiatri. In: Handledn. & Försvarsmed., Stockh., 1940, 2: 308–38. Also Sven. läk. tidn., 1940, 37: 1217–47.—**Gray, G. D.** Military psychiatry. Brit. M. J., 1943, 1: 202.—**Katzoff, S. L.** Militant and military psychiatry. Nat. Eclect. M. Ass. Q., 1941–42, 33: No. 4, 33–40.—**Kirk, N. T.** Military psychiatry; foreword. Am. J. Psychiat., 1943–44, 100: 13.—**Kubie, L. S.** [Military psychiatry] Bull. Psychiat. (NRC) Wash., 1948, 22–5.—**Lobova, L.** [War psychiatry] Med. rabot., 1944, 7: No. 17, 3.—**Madigan, P. S.** Military psychiatry. Army M. Bull., 1941, 56: 61–9. Also Psychiatry, Balt., 1941, 4: 225–9.—**Meyer, A.** Psychiatry; its meaning and scope. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 5–16.—**Porter, W. C.** Military psychiatry. War Med., Chic., 1942, 2: 534–50.—**Psychiatry.** Gen. M. Interest Lett., Ottawa, 1944, No. 7, 9.—**Rylander, G.** Militärpsykiatri. Nord. med., 1944, 21: 487–93. ——— Militär psykologi och psykiatri. Tskr. mil. hälsov., 1944, 68: Suppl., 129–41.—**Smith, L. H.** Psychiatric aspects of military medicine. Med. Clin. N. America, 1941, 25: 1717–59.—**Tooth, G. C.** Psychiatry; an advertisement. J. R. Nav. M. Serv., 1942, 28: 42–7.—**Torrie, A., & Ahrenfeldt, R. H.** Psychiatry. J. R. Army M. Corps, 1948, 90: 327–33.—**Wolter, H.** Wehrpsychiatrie. Wien. klin. Wschr., 1939, 52: 4–7.

—— Aviation psychiatry.

Adams, J. C. Psychiatry in aviation. U. S. Nav. M. Bull., 1941, 39: 514–9.—**Aviation** neuropsychiatry. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 7g, 1–5.—**Aviation** psychiatry. Ibid., App. 14a, 24–7.—**Buckle, D. F.** The prevention of psychiatric disorders in flying personnel. Med. J. Australia, 1943, 2: 124–6.—**Caveny, E. L.** Psychiatry in the field of aviation medicine. Arch. Neur. Psychiat., Chic., 1944, 51: 493. ——— Aviation psychiatry. Contact, Pensacola, 1944–45, 4: 382–9. Also Mil. Surgeon, 1946, 98: 289–92.—**Disposition** of psychiatric failures. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 41.—**Kuhn, R.** Zur Stellung der Psychiatrie in der heutigen Fliegermedizin. Vjschr. schweiz. Sanitätsoff., 1949, 26: 65–75.—**Murray, J. M.** Psychiatric aspects of aviation medicine. Psychiatry, Balt., 1944, 7: 1–7. ——— The application of psychiatry in the Air Force and allied fields. Abstr. Science Libr., Hartford, 1949, 17: 130.—**Psychiatry** and psychology in the Luftwaffe. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 7a, 1–4.—**Psychology** and psychiatry. Ibid., 1945, 40.—**Reinartz, E. G.** Psychiatry in aviation. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 264–77.—**Williams, D.** Neuropsychiatric organizations in the German Air Force. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 7j, 1–11.

—— Bibliography.

Billings, E. G. The literature on military psychiatry since 1938. Am. J. M. Sc., 1941, 201: 905–18.—**Flicker, D. J.** Army psychiatric literature, factors in interpretation. Am. J. Psychiat., 1941–42, 98: 795–800.—**Hirschberg, C.** Military psychiatry, a summary of some of the literature. Am. J. M. Sc., 1943, 206: 112–27.—**Overholser, W.** Review of psychiatric progress 1942; military, forensic and military psychiatry. Am. J. Psychiat., 1942–43, 99: 589–91. ——— Administrative, forensic and military psychiatry. Ibid., 1945–46, 102: 545; 1946–47, 103: 553; 1947–48, 104: 496. ——— & **Wortis, J.** Military, aviation, administrative and forensic psychiatry. Ibid., 1943–44, 100: 558–61.

—— combat.

See **Combat psychiatry.**

—— Congresses, and committees.

[**Conference** of neuropathologists, psychiatrists and neurosurgeons at the front, Jan. 2–3, 1943] Nevropat. psikhiat., 1943, 12: No. 5, 52–67.—**Futer, D. S.** [Scientific conference of neuropathologists, neurosurgeons and psychiatrists of evacuation hospitals in the Molotov region, February 14–15, 1942] Ibid., 1942, 11: No. 3, 98–104.—**Giarroso, G.** Congresso della Società di psichiatria. Gior. med. mil., 1933, 81: 941–6.—**Khoroshko, V. K.** [Meeting of commission of the Society of neuropathologists and psychiatrists, May 20, 1942, for discussion of aid for the contused] Nevropat. psikhiat., 1942, 11: No. 5, 82.—**National** emergency a major topic at psychiatric convention. Ment. Hyg., Alb., 1941, 25: 491–8.—**Pacheco e Silva, A. C.** Estado atual da neuropsiquiatria visto através dos recentes congressos internacionais realizados em Paris e de viagens feitas a diversos paises da Europa. São Paulo méd., 1938, 11: 35–56.—**Petree, P. A., Taylor, L. K., & Straub, L. R.** Psychiatric previews. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 50–6.—**Ruggles, A. H.** A symposium on psychiatry in the Armed Forces; foreword. Am. J. Psychiat., 1943–44, 100: 11.—[**Scientific** conference of psychiatrists of Central Asia on military psychiatry, Dec. 18–20, 1942] Nevropat. psikhiat., 1943, 12: No. 5, 67–71.—[**Scientific** (XI.) session of the Ukrainian Psychoneurological Institute and II. Conference of the neurosurgeons, neuropathologists and psychiatrists of the Ural Military District dedicated to the 25. anniversary of the Red Army and Navy] Ibid., No. 4, 65–78.—**Steckel, H. A., Raphael, T.** [et al.] Report of the Committee on War Psychiatry. Am. J. Psychiat., 1943–44, 100: 280.—**Symposium** on military psychiatry. Ibid., 1942–43, 99: 897. Also Arch. Neur. Psychiat., Chic., 1943, 49: 909.

—— Essays.

See also **National defense,** Medical aspect.

Appel, J. W. Psychiatry in national and international relationships. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 286–98.—**Baer Bahia, A.** A psiquiatria a serviço da guerra. Brasil med., 1943, 57: 231–4.—**Bandeira de Mello, N.** A psiquiatria militar em tempo de paz e em campanha. An. Hosp. centr. exerc., Rio, 1943, 8: 133–50.—**Campbell, C. M.** The national emergency and psychiatry; civilian and military demands. Arch. Neur. Psychiat., Chic., 1941, 45: 897. Also J. Nerv. Ment. Dis., 1941, 93: 764. ——— The controversial in psychiatry. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 94–104.—**Campbell, J. D.** Psychiatry and military service. Kentucky M. J., 1941, 39: 110–5.—**Consiglio, P.** La medicina militare nei suoi rapporti con le dottrine lombrosiane. Atti Congr. internaz. med. farm. mil., 1923, 2: 253–5.—**Covas Coro, R. J.** Patología del alma; concepciones etio-patogénicas modernas en neuro-psiquiatría. Rev. san. mil., Habana, 1944, 8: 143–50.—**Currier, D. E.** Psychiatry in national emergency. Ment. Health Sentinel, 1940–41, 1: No. 4, 10–3.—**Cutler, E. C.** What physicians expect from psychiatry. War Med., Chic., 1941, 1: 352–7.—**Diethelm, O.** Psychiatry; its significance in internal medicine. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 29–37.—**Ebaugh, F. G.** The role of psychiatry in national defense. J. Am. M. Ass., 1941, 117: 260–4.—**Griffin, D. P.** We'd rather be bombed than bored. Connecticut M. J., 1941, 5: 927–9.—**Harrison, F. M.** Biological concepts in psychiatry; their meaning and significance. U. S. Nav. M. Bull., 1942, 40: 308–30. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 1–12.—**Hartmann, H.** Psychiatry; its relation to psychological schools of thought. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 17–28.—**Kemble, R. P.** Objectives of military psychiatry. Am. J. Orthopsychiat., 1943, 13: 626–30.—**Koontz, A. R.** Has psychiatry failed us in World War II? Mil. Surgeon, 1947, 101: 204–8.—**Lewis, N. D. C.** The future in psychiatry. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 136–45.—**McCool, D. C.** Psychiatric aspects of the war and the peace. Memphis M. J., 1943, 18: 179–84.—**Menninger, W. C.** Selective Service psychiatry. Psychiatry, Balt., 1943, 6: 215.—**Meyer, A.** The philosophy of psychiatry; presentation of the subject. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 359–77.—**Mira, E.** Observations on application of psychiatry in war. Texas Rep. Biol. M., 1943, 1: 53–8.—**Overholser, W.** Contributions of psychiatry to national defense. Am. J. Orthopsychiat., 1941, 11: 634–7.—**Porter, W. C.** Military psychiatry and the Selective Service. War Med., Chic., 1941, 1: 364–71.—**Psychiatry** in the national defense. Ment. Health Sentinel, 1940–41, 1: No. 2, 9–11.—**Psychiatry** and national defense. Ibid., No. 3, 5–7.—**Psychiatry** and the national defense; report of a Committee of the Southern Psychiatric Association. Bol. As. méd. Puerto Rico, 1941, 33: 27–33.—**Ramírez Moreno, S.** Contribución que la psiquiatría puede dar en la defensa nacional. Rev. mex. psiquiat., 1942, 9: No. 50, 5–8.—**Robbins, L. L.** Military psychiatry; a broadening clinical experience. Bull. Menninger Clin., 1945, 9: 8–11.—**Salmon** Memorial Lectures [Robert D. Gillespie, psychiatric specialist with RAF] J. Crim., Chic., 1941–42, 32: 447.—**Selective** Service psychiatry. Psychiatry, Balt., 1941, 4: 440–64.—**Smith, L. H.** Psychiatry in national defense. J. Oklahoma M. Ass., 1941, 34: 289–93.—**Steckel, H. A.** Psychiatry and national defense. Ment. Hyg. News, Alb., 1940–41, 11: No. 8, 1; passim.—**Strecker, E. A.** War psychiatry and its influence upon postwar psychiatry and upon civilization. Proc. Inst. M. Chicago, 1944–45, 15: 194–205.—**Strickland, B. A.,** jr. The importance of psychiatry in military medicine. Mil. Surgeon, 1938, 83: 83–8.—**Sullivan, H. S.** Psychiatry and the national defense. U. S. Nav. M. Bull., 1939, 37: 273–6. Also Psychiatry, Balt., 1941, 4: 201–17.—**Waggoner, R. W.** The philosophy of psychiatry; introduction. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 3.

—— Examination.

See **Neuropsychiatric examination.**

—— Experiences.

Bohn, Z. S. Observations regarding war-time psychiatry. Harper Hosp. Bull., Detr., 1946, 4: 159–63.—**Bonhoeffer, K.** Vergleichende psychopathologische Erfahrungen aus den beiden Weltkriegen. Nervenarzt, 1947, 18: 1–4.—**Braceland, F. J.** Psychiatric lessons from World War II. Am. J. Psychiat., 1946–47, 103: 587–93.—**Chambers, N. R.** Experiences in induction, medical advisory board, and draft board psychiatry. N. York State J. M., 1942, 42: 2199–202.—**Curtis, W. D.** Pages from a military psychiatric notebook. Med. J. Australia, 1946, 2: 76–80.—**Glueck, B.** A note on war psychiatry. Bull. N. York Acad. M., 1942, 18: 137–49.—**Goldstein, H. H., & Rottersman, W.** Induction psychiatry; a review and suggestions. Am. J. Psychiat., 1944–45, 101: 210–5.—**James, G. W. B.** Psychiatric lessons from active service. Lancet, Lond., 1945, 2: 801–5.—**Kelley, K.** Neuropsychiatric experiences in advance base unit. In: Phys. & Psychobiol. Standards (U. S. Navy

Bur. M. & S.) Wash., 1949, 77–80.—**McNeel, B. H.** War psychiatry in retrospect. Am. J. Psychiat., 1945–46, **102**: 500–6.—**Noehren, W. A.** Psychiatry in Hanford. Ibid., 1946–47, **103**: 200–4.—**Perk, D.** A psychiatrist's experience in the 2nd World War. S. Afr. M. J., 1947, **21**: 886–95.—**Pignataro, F. P.** Experiences in military psychiatry. Mil. Surgeon, 1942, **91**: 452–60.—**Schmitt-Halin, E.** Psychiatrische und neurologische Erfahrungen bei Angehörigen des Reichsarbeitsdienstes, der Wehrmacht und der Westfront-Arbeitslager. Med. Welt, 1940, **14**: 240; 271.—**Shaby, J. A.** Psychological medicine in war. J. R. Fac. Med. Iraq, 1946, **10**: 94–100.—**Sullivan, H. S.** Psychiatry in the emergency. Ment. Hyg., Alb., 1941, **25**: 5–10. ——— A year of Selective-Service psychiatry. Ibid., 1942, **26**: 7–15.

—— Forensic aspect.

See also **Criminal, Psychopathology; Neuropsychiatric examination; Neurosis,** Forensic aspect; **War criminal.**

Schmidt, W. Forensisch-psychiatrische Erfahrungen im Kriege. 219p. 24cm. Berl., 1918.
Forms No. 5, Abh. Neur. Psychiat.

Weyeneth, W. *Beitrag zur psychiatrischen Begutachtung von Militärpatienten (an Hand von 267 Gutachten aus der psychiatrischen Klinik, Zürich) 80p. 8° Zür., 1930.

Bonnette. L'expertise psychiatrique dans l'Armée. Caducée, Par., 1905, **5**: 313.—**Consiglio, P.** La medicina legale militare in rapporto alla esperienza neuro-psichiatrica di guerra. Gior. med. mil., 1922, **70**: 264–73.—**Feinberg, C. M.** Naučno-issledovatelskaja rabota. In his Sudeb. psihiat. exp., Moskva, 1947, 35–40.—**Flournoy, M.** Présentation de deux cas médico-légaux. Schweiz. med. Wschr., 1940, **70**: 741.—**Fribourg-Blanc, A.** Des conditions de l'expertise médico-légale psychiâtrique dans l'Armée. C. rend. Congr. alién. neur. France, 1929, 33. Congr., 297–305.—**Littmann.** Resultate psychiatrisch-neurologischer Gutachtertätigkeit im Felde. Vjschr. schweiz. Sanitätsoff., 1940, **17**: 77–80.—**Malinowski, A.** [Legal psychiatry in the Army] Lek. wojsk., 1937, **30**: 340; 416.—**Manthey, P. E.** Die militärärztliche Gutachtertätigkeit bei Durchführung des Artikels 2 des 5. Gesetzes zur Aenderung des Gesetzes über das Verfahren in Versorgungssachen vom 5. 7. 34 vom neurologisch-psychiatrischen Standpunkte. Deut. Militärarzt, 1938, **3**: 315–22.—**Porter, W. C.** Military forensic neuropsychiatry. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 122–7.—**Ranson, S. W.** Military medicolegal problems in field psychiatry. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 181–8.—**Romeyn, J. A.** Voor den krijgsraad; psychiatrische forensische expertise. Mil. geneesk. tschr., 1906, **10**: 128–36.—**Timofeev, N.** Ekspertiza sudebno-psikhiatriceskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1141–3.—**Veiga de Carvalho, H.** Perícia psiquiátrico-militar. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 251–8.—**Williams, T. A.** Military medico-legal psychiatry. Mil. Surgeon, 1931, **68**: 183; 355; 484.—**Wuth.** Hinweis auf die Fehlertabelle und auf einige forensich-psychiatrische Fragen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 217.

—— History.

Menninger, W. C. Development of psychiatry in the Army in World War II. War Med., Chic., 1945, **8**: 229–34. ——— Psychiatry in World War I and World War II. In his Psychiat. in a Troubled World, N. Y., 1948, 338–47.—**Rennie, T. A. C., & Woodward, L. E.** Outstanding developments in military psychiatry. In their Ment. Health, N. Y., 1948, 34–8.—**Tecoz, H.** La psychiatrie militaire anglo-saxonne depuis 1938. Praxis, Bern, 1942, **31**: 613–7.

—— Hospital.

See **Psychiatric hospital.**

—— Instruction.

Cathcart, J. P. S. A demonstration of newer teaching methods. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 8, 41–5.—**Graham, W. J. F.** Corpsmen get psychiatric training. Trained Nurse, 1944, **112**: 189.—**Stevenson, G. H.** Psychiatry in the training, experience and education of the individual; communities, rural and urban. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 212–7.—**Svendsen, B. B.** En kursaendring indenfor den amerikanske militaerpsykiatri. Nord. psykiat. medl., Kbh., 1949, **3**: 1–6.—**Washington** School of Psychiatry; comprehensive training and individual courses offered under the new wartime program. Psychiatry, Balt., 1943, **6**: Suppl., i–xii.—**Yoder, O. R.** Psychiatry in the training, experience and education of the individual; introduction. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 149.

—— Manual.

Chacón Giménez-Cuenca, F. Reclusión de dementes. 504p. 20½cm. Madr., 1941.

Curran, R. D., & Guttmann, E. Psychiatry associated with war conditions. p.217–46. 22cm. Edinb., 1949.
In their Psychol. M., 3. ed., Edinb., 1949.

Menninger, W. C. Psychiatry in a troubled world; yesterday's war and today's challenge. 636p. 24cm. N. Y., 1948.

Mira y López, E. Psychiatry in war. 207p. 21cm. N. Y., 1943.

São Paulo, Brazil. Universidade. Faculdade de medicina. Psiquiatria de guerra; curso de aperfeiçoamento organizado pelo Prof. A. C. Pacheco e Silva. 302p. 22½cm. S. Paulo, 1943.

Sladen, F. J. Psychiatry and the war. 505p. 23½cm. Springf., 1943.

Strecker, E. A., & Appel, K. E. Psychiatry in modern warfare. 88p. 19½cm. N. Y., 1945.

—— Methods.

See also **Psychotherapy; Psychotic.**

Barison, F. L'uso dei reattivi mentali in neuropsichiatria infantile. Milizia san., 1940, **39**: No. 11, 6.—**Bion, W. R.** The leaderless group project. Bull. Menninger Clin., 1946, **10**: 77–81.—**Coleman, J. V.** The group factor in military psychiatry. Am. J. Orthopsychiat., 1946, **16**: 222–6.—**Goode, D.** Habit training. Med. Bull. Veterans Admin., 1934–35, **11**: 237–40.—**Palmer, H. A.** Abreactive techniques; ether. J. R. Army M. Corps, 1945, **84**: 86.—**Psychiatric** therapy. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 41.—**Shulack, N. R.** Occupational-recreational programs in neuropsychiatric sections of Army station hospitals. War Med., Chic., 1944, **5**: 109–16.—**Wittkower, E. D., & Lebeaux, L.** The special transfer scheme; an experiment in military psychiatric vocational reemployment. Med. Press & Circ., Lond., 1943, **209**: 366–8.

—— naval.

See also subheading (—by countries: United States—Navy)

Braceland, F. J., & Rome, H. P. Problems of naval psychiatry. War Med., Chic., 1944, **6**: 217–20.—**Curran, D.** Some experiences amongst Naval personnel. J. Ment. Sc., Lond., 1942, **88**: 494–6.—**Dillenberg, S. M., & Locke, B.** Neuropsychiatric clinic at a naval construction training center. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 40–3.—**Dynes, J. B., Springer, N. N., & Thomas, F. H.** A psychiatric program for a naval receiving station. War Med., Chic., 1945, **8**: 337–42.—**Farnsworth, D. L., & Wigton, R. S.** Psychiatric practice aboard a hospital ship in a combat area. Am. J. Psychiat., 1944–45, **101**: 504–10.—**Hinkle, L. E., jr.** Neuropsychiatric problems on a battleship. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 71–6.—**Michael, W. H.** Men's minds and ships. N. York State J. M., 1943, **43**: 436–9.—**Raines, G. N.** Current problems in naval psychiatry. Mil. Surgeon, 1947, **100**: 113–9.—**Sutton, D. G.** Naval psychiatric problems. Am. J. Psychiat., 1940–41, **97**: 255–75. ——— Naval psychiatric accomplishments in the present emergency. Psychiatry, Balt., 1941, **4**: 219–23.—**Tenney, L. H., & Farnsworth, D. L.** Psychiatric problems in naval practice. Arch. Neur. Psychiat., Chic., 1942, **48**: 684.

—— Nomenclature.

United States. Armed Forces. Medical Service. Joint Armed Forces nomenclature and method of recording psychiatric conditions; United States Army, United States Navy [and] United States Air Force. 20p. 25cm. Wash., 1949.
Forms Spec. Reg. 40–1025–2, U. S. Dep. Army; NAVMED P–1303, U. S. Navy Bur. M. & S. & U. S. Air Force Reg. 160–13A.

United States. Veterans Administration. Technical bulletin TB 10A–78: Nomenclature of psychiatric disorders and reactions. 18p.; 10p. 27cm. Wash., 1947. Also Change 1. [1]p. 1947.

Army psychiatric nomenclature. Am. J. Orthopsychiat., 1946, **16**: 542.

—— preventive.

See also **Mental hygiene; Neuropsychiatric examination.**

Kraines, S. H. Managing men; preventive psychiatry. 194p. 20cm. Denver, 1946.

Cohen, R. R. Visual aids in preventive psychiatry. War Med., Chic., 1944, **6**: 18–23.—**Hasenbush, L. L.** Method for

practicing preventive psychiatry in a Naval Personnel Separation Center. U. S. Nav. M. Bull., 1946, **46**: 696–703. ——— & **Hasenbush, G. G.** [The same] In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 118–22.—**Kraines, S. H.** Prophylactic psychiatry in the Army. Bull. U. S. Army M. Dep., 1944, No. 75, 77–81.—**Lehrman, S. R.** Preventive military psychiatry in the light of impending military conscription. Psychiat. Q., 1948, **22**: 302–16.—**Péchoux & Hugonot.** Sélection et prophylaxie psychiatrique. Bull. Soc. méd. mil. fr., 1948, **42**: 46.—**Psychiatric** prophylaxis. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 40.—**Stevenson, G. S.** Preventive psychiatry. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 311–9.

—— Problems.

Andrada, M. B. de. Problemas de psiquiatria de guerra. Fol. med., Rio, 1942, **23**: 235–7.—**Barbato, L.** Psychiatric problems in military service. Rocky Mountain M. J., 1944, **41**: 163–7.—**Binswanger, K.** Therapeutische Probleme im Rahmen der psychiatrischen Beratungsstelle der Militärsanitätsanstalt. Schweiz. med. Wschr., 1941, **71**: 711–5.—**Knight, R. P., & Orr, D. W.** Psychiatric problems of the Armed Forces in training and in combat. Bull. Menninger Clin., 1941, **5**: 176–80.—**Michaels, J. J., & Smith, C.** An introduction to psychiatric problems. Bull. U. S. Army M. Dep., 1945, No. 87, 87–93.—**Olkon, D. M.** Psychiatric problems presented by the inductee and the soldier. Arch. Neur. Psychiat., 1945, **54**: 68.—**Rome, H. P.** The war and its psychiatric problems. Proc. Inst. M. Chicago, 1944–45, **15**: 230–2.—**Wolman, B.** The problems of mental hygiene and military psychiatry [Hebrew text] Harefuah, Tel Aviv, 1948, **35**: 39–41.—**Zilboorg, G.** Psychiatric problems in the wake of the war. Rhode Island M. J., 1944, 27: 385, &c.

—— Progress.

See also subheading (—in wartime)

Advancement (The) of psychiatry. Bull. U. S. Army M. Dep., 1946, **5**: 522.—**Anderson, E. W.** Lessons of war psychiatry. J. R. Nav. M. Serv., 1946, **32**: 15–9.—**Belmont, H., & Madow, L.** War psychiatry. In: Cyclop. Med. (Piersol–Bortz) Phila., 1945, Serv. Vol., 431–5.—**Douglas, D. B.** Post-war psychiatry in the Army; what it teaches the civilian psychiatrist. Am. J. Psychother., 1948, **2**: 306–12.—**Farrell, M. J.** Psychiatric lessons learned in the Army. Rhode Island M. J., 1947, **30**: 582–6.—**Gregg, A.** Psychiatry in World War II. Am. J. Psychiat., 1947–48, **104**: 217–20.—**Grinker, R. R.** Peacetime lessons from wartime psychiatry. J. Nerv. Ment. Dis., 1948, **107**: 279–87. Also. Neur. Psychiat., Chic., 1949, **62**: 862–7.—**Kolb, L.** Post-war psychiatric perspectives. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 299–310.—**Koontz, A. R.** Psychiatry in the next war; shall we again waste manpower? Mil. Surgeon, 1948, **103**: 197–202.—**Levy, D. M.** Military psychiatry. In his New Fields of Psychiatry, N. Y., 1947, 82–8.—**MacKeith, S. A.** Lasting lessons of overseas military psychiatry. J. Ment. Sc., Lond., 1946, **92**: 542–50.—**Menninger, W. C.** Psychiatry and the war. In: March of Med. (N. York Acad. M.) N. Y. (1945) 1946, 90–115. ——— Lessons from military psychiatry for civilian psychiatry. Ment. Hyg., Alb., 1946, **30**: 571–89. Also U. S. Army M. Dep., 1947, 7: 356–65.—**Porter, W. C.** What has psychiatry learned during present war? Am. J. Psychiat., 1942–43, **99**: 850–5.—**Soddy, K.** Some lessons of wartime psychiatry. Ment. Health, Lond., 1946, **6**: 30; 66.—**Strecker, E. A.** War psychiatry and its influence upon postwar psychiatry and upon civilization. J. Nerv. Ment. Dis., 1945, **101**: 401–13. Also J. Lancet, 1946, **66**: 357. ——— & **Appel, K. E.** Psychiatric contrasts in the two world wars. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 38–47.—**Wortis, J.** Psychiatry in wartime; some recent developments. N. York State J. M., 1945, **45**: 1651–4.

—— Service organization.

See also **Consultant; Psychiatric hospital.**

Bridger, H. The Northfield experiment. Bull. Menninger Clin., 1946, **10**: 71–6.—**Hanson, F. R.** Organization of the psychiatric services in World War II. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 33–5.—**McCartney, J. L.** Psychiatry in general practice. U. S. Armed Forces M. J., 1950, **1**: 91–106.—**Malinowski, A.** [Improvements in the functioning of the military psychiatric sections] Lek. wojsk., 1935, **25**: 455–68.—**Pinto César, E.** Organização dos serviços psiquiátricos em campanha e na retaguarda. An. paul. med. cir., 1945, **49**: 178–81.—**Psychiatric** (The) services; joint recommendations. Lancet, Lond., 1945, **1**: 763–5.—**Rees, I. R.** La psychiatrie active dans une armée moderne. Méd. & hyg., Genève, 1947, 5: No. 89, 3.—**Steckel, H. A.** The organization of psychiatry for the emergency Am. J. Psychiat., 1941–42, **98**: 791–4.

—— social.

See also **Social work.**

Cruser, R. W. Military psychiatric social work in an Army convalescent hospital. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 219–22.—**Dawley, A.** On psychiatric social work in war-time. News Lett. (Ment. Hyg.) N. Y., 1942, **12**: 53.—**Farrell, M. J., & Ross, E. H.** Military psychiatric social work. Bull. Menninger Clin., 1944, **8**: 153–5.—**Foster, F. A.** Outline for psychiatric social history. U. S. Veterans Bur. M. Bull., 1926, **2**: 1067–71.—**Garoffolo, V., & Book, H.** Reflections of the military psychiatric social worker applied to civilian-case work practices. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 223–7.—**Ginsburg, E. L.** The psychiatric social worker in a veterans service center. News Lett. Am. Ass. Psychiat. Social Work., 1946–47, **16**: 33–9.—**Glickman, E.** Red Cross psychiatric social service in a military hospital. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 212–8.—**Healy, W.** The relationship of psychiatry to sociology and criminology. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 218–33.—**Hurvitz, N., & Kramer, R. M.** The military psychiatric social worker in an AAF consultation service. News Lett. Am. Ass. Psychiat. Social Work., 1945–46, **15**: 1–6.—**Scoville, M. C.** Wartime tasks of psychiatric social workers in Great Britain. Am. J. Psychiat., 1942–43, **99**: 358–63.—**Woodcock, M. E.** Local observations by psychiatric social workers in wartime. News Lett. (Ment. Hyg.) N. Y., 1943–44, **13**: 42–5.—**Young, I. S., & Schuyler, D.** Psychiatric social work in this war. Dis. Nerv. Syst., 1944, **5**: 118–21.

—— Veterans.

Blain, D. Psychiatry for 20 million veterans. South. Hosp., 1947, **15**: No. 4, 25; 52.—**Braceland, F. J.** Psychiatry and the returning veteran. Ment. Hyg., Alb., 1946, **30**: 33–46.—**Burling, T.** Community organization for meeting problems of psychiatrically disabled veterans. Am. J. Orthopsychiat., 1944, **14**: 680–98.—**Clark, R. A.** Psychiatry in relation to the rehabilitation of the discharged soldier. Am. Scientist, 1945, **33**: 33–8.—**Cunningham, J. M.** The development of psychiatric service and its relation to the returned veteran. Connecticut M. J., 1944, **8**: 493–8.—**Dancey, T., & Hutton, G.** Psychiatric treatment in D. V. A. hospitals. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 41.—**Hawley, P. R.** The place of psychiatry in Veterans Administration medical program. Am. J. Psychiat., 1947–48, **104**: 16–9.—**New York** veterans lack of psychiatric care. N. York State J. M., 1944, **44**: 2376.—**Rothenberg, S.** A method of approach in a veterans' psychiatric clinic. Ibid., 1946, **46**: 1217–22.—**Tartakoff, S.** Serving the veterans. Dis. Nerv. Syst., 1945, **6**: 163–5.

—— by countries.

Arditi y Rocha, R., & Castro, P. R. Necesidad de crear servicios psicopatológicos en el Ejército argentino. Rev. san. mil., B. Air., 1940, **39**: 584–7.—**Fabregues, F.** Organización de la psiquiatría militar española en tiempo de paz; sus posibles aplicaciones a la nuestra. Rev. san. mil. argent., 1948, 47, 293–6.—**Furtado, D.** A assistência aos alienados militares. Clín. hig. & hidr., Lisb., 1938, **4**: 88–97.—**Sauter.** La psychiatrie dans l'Armée de milice. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 239–56. Also Bull. internat. serv. santé, Liége, 1937, **10**: 657–73.

—— by countries: Brazil.

Pinto César, E. Organização dos serviços psiquiátricos na retaguarda e nas zonas de combate. Impr. méd., Rio, 1945–46, **21**: No. 380, 72–6.—**Pires, N., & Mendes, H.** Legislação; regulamentos; exclusão do serviço militar; internação; altas e reformas dos psicopatas. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 267–84.

—— by countries: Germany.

Galvin, J. German psychiatry during the war. Am. J. Psychiat., 1949–50, **106**: 703–7.—**Heidenhain, A.** Die Psychiatrie im Dienste der Wehrmacht. Fortsch. Neur. Psychiat., 1937, **9**: 505–52.—**Stier, E.** Psychiatrie und Heer. Deut. Militärarzt, 1936, **1**: 15–20.—**Villinger, W.** Psychiatrie und Wehrmacht. Münch. med. Wschr., 1941, **88**: 437–43.

—— by countries: Great Britain.

Curran, D., & Mallinson, W. P. War-time psychiatry and economy in man-power. Lancet, Lond., 1940, **2**: 738–43.—**Field** psychiatry on the screen. Ibid., 1944, **2**: 413.—**James, G. W. B.** The future of psychiatry in the Army Medical Service. J. R. Army M. Corps, 1945, **84**: 51–3. ——— **Dudley, S.** [et al.] Service psychiatry. Lancet, Lond., 1947, **1**: 495.—**Military** (The) implications of psychiatry. J. R. Army M. Corps, 1942, **78**: 138–40.—**Military** psychiatry in Britain. Am. J. Psychiat., 1943–44, **100**: 142.—**Milligan, W. L., Harris, A.** [et al.] Psychiatry in the Services. Brit. M. J., 1945, **2**: 582.—**Pozner, H.** Some aspects of post-war army psychiatry. J. R. Army M. Corps, 1950, **94**: 38–47.—**Rees, J. R.** A brief impression of British military psychiatry. Bull. Menninger Clin., 1944, **8**: 29–35. ——— Psychiatry in the British Army. Am. J. Psychiat., 1944–45, **101**: 20–2. Also in Interallied Conf. War Med. (1942–45) 1947, 512–5. Also Spanish transl., Rev. mil., La Paz, 1945, **9**: 37–41. ——— The development of psychiatry in the British Army. Abstr. Science Libr., Hartford, 1945, **13**: 27–30. Also Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 48–53.—**Sands, D. E., & Hill, D.** War psychiatry in the Merchant Navy. Proc. R. Soc. M., Lond., 1944–45, **38**: 217–26.—**Sleter, E.** [Advances of British psychiatry in wartime] Nevropat. psikhiat., 1944, **13**: No. 5, 59–63.—**Some** recollections of Army psychiatry. J. R. Army M. Corps, 1945, **84**: 47–50.

—— by countries: Holland.

Barnhoorn, J. A. J. Psychiatrie in het leger. Ned. tschr. geneesk., 1946, **90:** 1831; 1878.—**Droogleever Fortuyn, J., & Ploegsma, W.** Psychiatrie in mobilisatie- en oorlogstijd. Psychiat. neur. bl., Amst., 1940–41, **44:** 380–405.

—— by countries: Poland.

Malinowski, A. [Psychiatry in the Army; its aims and mission] Lek. wojsk., 1936, **27:** 539–57. ——— [Organization of psychiatric service during war] Ibid., **28:** 824–41.

—— by countries: Russia.

Karanovich, G. G. [Psychiatric attendance under conditions of the Patriotic war and its tasks for the nearest years] Nevropat. psikhiat., 1944, **13:** No. 5, 3–12.—**Timofeev, N. N.** [Organization of psychiatric aid in the field medical service] Voen. san. delo, 1943, 25–34. Also Am. Rev. Soviet M., 1943–44, **1:** 264 (Abstr.)

—— by countries: Switzerland.

Binder, H. Die Zusammensetzung des psychiatrischen Materials der MSA 5. Schweiz. med. Wschr., 1941, **71:** 472; 492.—**Binswanger, H.** Praktische Psychiatrie in der M. S. A. Praxis, Bern, 1940, **29:** 193–6.—**Boss, M.** Die Funktion der psychiatrischen Beratungsstelle in den selbständigen Heereseinheiten. Vjschr. schweiz. Sanitätsoff., 1944, **21:** 85–90.—**Ey, H., & Cornavin, F.** Les événements de guerre et l'activité d'un service de psychiatrie. Schweiz. Arch. Neur. Psychiat., 1948, **61:** 405.—**Littman, J.** Psychiatric diagnosis in the Swiss army. Bull. War M., Lond., 1941–42, **2:** 133 (Abstr.)

—— by countries: United States.

Freiman, I. S., Duisberg, R., & Portman, H. A program of definitive psychiatry at Army level. Bull. U. S. Army M. Dep., 1946, **5:** 590–7.—**Hargreaves, G. R., Wittkower, E., & Wilson, A. T. M.** Psychiatric organisation in the services. In: Neuroses in War (Miller, E.) N. Y., 1940, 163–79.—**Medical** officer announces plans for psychiatry in war; elimination of psychopaths from recruits first duty; field mental hospitals and preventive service planned. Science News Lett., 1939, **35:** 165.—**Psychiatric** mobilization in the U. S. A. Bol. As. méd. Puerto Rico, 1941, **33:** 65–7.—**Strecker, E. G.** Psychiatry and the Armed Forces. Ment. Hyg., Alb., 1943, **27:** 685–7.—**Sutton, D. G.** The utilization of psychiatry in the Armed Forces. Psychiatry, Balt., 1939, **2:** 1–9. Also U. S. Nav. M. Bull., 1939, **37:** 262–73.

—— by countries: United States—Air Force.

Davis, D. B. Psychiatry in an Air Forces station hospital. Virginia M. Month., 1945, **72:** 192–7.—**Hastings, D. W.** Psychiatry in the Eighth Air Force. Air Surgeon Bull., 1944, **1:** No. 8, 4.—**Murray, J. M.** Psychiatry in the Army Air Forces. Am. J. Psychiat., 1943–44, **100:** 21–4. ——— Accomplishments of psychiatry in the Army Air Forces. Ibid., 1946–47, **103:** 594–9.

—— by countries: United States—Army.

See also **Division.**

Bick, J. W., jr. Observations on current Army psychiatric problems; a comparison of out-patient records of January 1944 and January 1946. J. Nerv. Ment. Dis., 1947, **105:** 73–6.—**Brosin, H. W.** The Army has learned these lessons. Mod. Hosp., 1945, **64:** No. 5, 45–7.—**Eisendorfer, A.** Clinical significance of extramural psychiatry in the Army. War Med., Chic., 1944, **5:** 146–9.—**Ludwig, A. O.** Psychiatry at the army level. Bull. U. S. Army M. Dep., 1949, **9:** Suppl., 74–104.—**McKerracher, D. G.** Psychiatric problems in the Army. Canad. M. Ass. J., 1943, **48:** 399–404.—**Menninger, W. C.** Psychiatric problems in the Army. J. Am. M. Ass., 1943, **123:** 751–4. ——— Psychiatry and the Army. Bull. Menninger Clin., 1944, **8:** 89–98. Also Psychiatry, Balt., 1944, **7:** 175–81. ——— Present trends of psychiatry in the Army. Virginia M. Month., 1944, **71:** 461–7. ———Psychiatric objectives in the Army. Am. J. Psychiat., 1945–46, **102:** 102–7. ———Problems confronting psychiatry in the Army convalescent hospital. Ibid., 732–4. ——— The future role of psychiatry in the Army. Mil. Surgeon, 1947, **100:** 108–13. ——— The problems arising in the further development of army psychiatry. In his Psychiat. in a Troubled World, N. Y., 1948, 25–42.—**Moersch, F. P.** Psychopathic Army work (a letter) J. Lancet, 1918, **38:** 49.—**Needles, W.** The regression of psychiatry in the Army. Psychiatry, Balt., 1946, **9:** 167–85.—**Overholser, W.** Newer phases of psychiatry in relation to Army problems. J. Ass. Am. M. Coll., 1942, **17:** 29–33.—**Pearce, J. D. W.** Clinical aspects of psychiatric problems in the Army. Practitioner, Lond., 1945, **154:** 33–8.—**Porter, W. C.** Psychiatry in the Army. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 239–46.—**Psychiatry** in the Army. South. M. & Sc., 1942, **104:** 524.—**Rosie, R.** The early days of Army psychiatry. J. R. Army M. Corps, 1948, **90:** 93–100.—**Sullivan, H. S.** Psychiatry, the Army, and the war. Psychiatry, Balt., 1942, **5:** 435–42.

—— by countries: United States—Navy.

See also subheading (naval)

Braceland, F. J. Psychiatry in the Navy. Tr. Am. Neur. Ass., 1943, **69:** 67–73. Also Q. Bull. Indiana Univ. M. Center, 1945, **7:** 27–32.—**Harrison, F. M.** Psychiatry in the Navy. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 247–63. Also War Med., Chic., 1943, **3:** 113–38.—**Helgesson, U. H.** The scope of psychiatry in military medicine with special reference to the Navy. U. S. Nav. M. Bull., 1942, **40:** 80–91. ——— Some current features of psychiatry in the United States Navy. Am. J. Psychiat., 1942–43, **99:** 633–8.—**McIntire, R. T.** Psychiatry and the United States Navy; foreword. Ibid., 1943–44, **100:** 73. ——— Psychiatry and the U. S. Navy. Ibid., 1944–45, **101:** 717–9.—**Will, O. A., jr.** Psychoses in Navy inductees with less than fifteen days active duty. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 33–9.

—— in wartime.

Chicago University. Round Table. No. 348: The psychiatric cost of war. 29p. 20cm. Chic., 1944.

Boven. Psychiatrie de guerre. Praxis, Bern, 1940, **29:** 255.—**Bumke.** Psychiatrie und Krieg. Klin. Wschr., 1943, **22:** 328.—**Ebaugh, F. G.** Psychiatry in war. Texas Rep. Biol. M., 1943, **1:** 41–51.—**Fosdick, R. B.** Psychiatry in wartime. Annual Rep. Rockefeller Found., 1942, 21–4.—**Fuentes, M.** La psiquiatría y la guerra. Prensa méd. mex., 1944, **9:** 110–4.—**Grailly, de.** La psychiatrie de guerre. J. méd. Bordeaux, 1941, **118:** 527.—**Halloran, R. D.** Psychiatry and the war; presentation of the subject. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 421–31.—**Heldt, T. J.** Psychiatry and the war; introduction. Ibid., 237.—**Larivière, P.** La psychiatrie et la guerre. Union méd. Canada, 1943, **72:** 1220.—**Mira, E.** Psychiatry at war. J. Nerv. Ment. Dis., 1943, **97:** 474.—**Moreira, J.** A psiquiatria e a guerra. Impr. méd., Rio, 1943–44, **19:** No. 361, 25.—**Psychiatry** and the war. Am. J. Psychiat., 1940–41, **97:** 972–6.—**Raphael, T.** Psychiatry and the war; introduction. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 420.—**Roxo, H.** A psiquiatria na guerra. Arq. brasil. med. nav., 1942, **3:** 971–84.—**Slight, D.** Psychiatry and the war. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 150–71.—**Sullivan, H. S.** How sweet are the uses of adversity. Psychiatry, Balt., 1943, **6:** 217–40.

PSYCHOANALYSIS.

See also **Psychotherapy;** also **Narcoanalysis; Neuropsychiatric examination.**

Foulkes, S. H. Análisis en grupos en un centro militar para neurosis. Rev. san. mil. argent., 1948, **47:** 319–25.—**Galant, I.** [Results of psychoanalysis in 335 Red Army soldiers] Voen. med. J., Moskva, 1931, **2:** 103–6.—**Lorand, S.** Psychoanalytic investigation of reaction to the war crisis of candidates for induction. Psychoanal. Rev., 1945, **32:** 25–32.—**Marín R., J.** Habría descubierto la medicina las localizaciones del inconsciente freudiano? Rev. san. nav., Valparaíso, 1937, **7:** 75–7.—**Muñiz Angulo, L.** Resumen de 23 casos tratados por el psicoanálisis. Rev. san. mil., Habana, 1944, **8:** 69–81.—**Thompson, J. C.** Psychoanalytic literature. U. S. Nav. M. Bull., 1923, **19:** 281–5. ——— The psychoanalyst and his work. Ibid., 1924, **21:** 787–97.

PSYCHODRAMA.

See also **Psychotherapy.**

Bacon, C. T. Psychodrama. Hosp. Corps Q., 1945, **18:** No. 9, 44–6.—**Bikales, V. W.** Drama therapy at Winter Veterans Administration Hospital; a preliminary report. Bull. Menninger Clin., 1949, **13:** 127–33.

PSYCHOLOGICAL examination.

See under **Aviator;** also **Neuropsychiatric examination,** Psychological test.

PSYCHOLOGICAL service.

See also **Hospital service; Neuropsychiatry,** Hospitals.

Bijou, S. W. The psychological program in AAF convalescent hospitals. 256p. 23½cm. Wash., 1947.

Forms No. 15, Res. Rep. Aviat. Psychol. U. S. Air Forces.

United States. War Department. Technical bulletin TB MED 115: Clinical psychological service in Army hospitals. 4p. 26cm. Wash., 1944. Also Rev. ed. 4p. 26cm. Wash., 1946.

—— Veterans.

Hawley, P. R. Psychological services in the Veterans Administration. J. Clin. Psychol., 1946, **2:** 107–9.

—— by countries.

Ansbacher, H. L. German military psychology. Psychol. Bull., 1941, **38:** 370–92. ——— Curtailment of military psychology in Germany. Science, 1943, **98:** 218. ——— Lasting and passing aspects of German military psychology. Sociometry, 1949, **12:** 301–12.—**Ashburner, J. V.** Psychology in the Australian Army. Med. J. Australia, 1946, **2:** 86–92.—**Boéchat, J.** La psychologie dans l'Armée. Praxis, Bern, 1943, **32:** 562.—**Cunningham, K. S.** The use of psychological methods in war-time in Australia. Occup. Psychol., Lond., 1943, **17:** 111–8.—**Grunwaldt.** Zehn Jahre deutscher Wehrmachtpsychologie. Arch. ges. Psychol., 1939, **103:** 273–5, portr.—**Puzzuti, G.** Le applicazioni della psicologia alle forze armate dell'Asse al convegno di psicologi italiani e tedeschi. Riv. med. aeronaut., 1941, **4:** 403–14.—**Schweizerische** Wehrpsychologie. Praxis, Bern, 1943, **32:** 145.—**Victoria, M.** Notas sobre el estado actual de psicología de guerra en Alemania. An. Inst. psicol., B. Air., 1941, **3:** 153–79. Also in his Estud. neur., B. Air., 1941, 3. ser., 235–52.—**Wehrpsychologie** (Die) im Deutschen Heere. Praxis, Bern, 1942, **31:** 796.—**Wehrpsychologische** (Der) Dienst der Armee. Ibid., 756.

—— by countries: United States.

BRAY, C. W. Psychology and military proficiency; a history of the Applied Psychology Panel of the National Defense Research Committee. 242p. 22cm. Princet., 1948.

Lanier, L. H. The psychological and social sciences in the National Military Establishment. Am. Psychologist, 1949, **4:** 127–47.—**Post-war** psychological services in the Armed Forces. Psychol. Bull., 1945, **42:** 396–8.—**Seidenfeld, M. A.** Psychological services for the individual in the Armed Forces. J. Clin. Psychol., 1945, **1:** 93–8.—**Yerkes, R. M.** Plan for a history of psychological services in the war. Psychol. Bull., 1945, **42:** 87–90.

—— by countries: United States— Air Force.

See also **Psychology,** Air Force.

FLANAGAN, J. C. The aviation psychology program in the Army Air Forces. 316p. 23½cm. Wash., 1948.

Forms No. 1, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Bray, C. W. Psychological research in the Army Air Forces. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 117–36. ——— Postwar psychological research in the Army Air Forces. Ibid., 136.—**Flanagan, J. C.** Psychological service in the U. S. Air Corps. J. Consult. Psychol., 1942, **6:** 153.—**Harrell, T. W.** Aviation psychology in the Army Air Forces. Psychol Bull, 1945, **42:** 386–9.—**Humphreys, L. G.** Factor analysis findings in the A. A. F. Psychological Program. Ibid., 1944, **41:** 592.—**Jenkins, J. G.** Naval aviation psychology; the field service organization. Ibid., 1945, **42:** 631–7.—**Lovelace, W. R., II, & Gagge, A. P.** Psychological research. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 66–9.—**McNeill, H. V., Heathers, G. L.** [et al.] Psychological services. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 15–51.—**Official** directives on the organization and functions of the aviation psychology program. Ibid., 1948, No. 1, 21–48.—**Present** organization, policies, and research activities of the AAF Aviation Psychology Program. Psychol. Bull., 1945, **42:** 541–52.—**Psychological** activities in the training command, Army Air Forces. Ibid., 37–54.—**Super, D. E.** Clinical research in the Aviation Psychology Program of the Army Air Forces. Ibid., 1944, **41:** 551–6.

—— by countries: United States—Army.

Bingham, W. V. Psychological services in the United States Army. J. Consult. Psychol., 1941, **5:** 221–7.—**Bliss, M. A.** Reminiscences of service in the Division of Psychology U. S. Army. J. Missouri M. Ass., 1919, **16:** 161–4.—**Mourgue, R.** La psychologie dans le recrutement et l'organisation de l'armée américaine. Ann. méd. psychol., Par., 1918, 10. ser., **9:** 354–60.—**Seidenfeld, M. A.** The scope of clinical psychological service in the Army. Bull. Menninger Clin., 1945, **9:** 94–7.

—— by countries: United States—Navy.

Hunt, W. A. Clinical psychology in the Navy. J. Clin. Psychol., 1945, **1:** 99–104.—**Lewinski, R. J.** Psychological services in the Medical Department. U. S. Nav. M. Bull., 1943, **41:** 137–42. ——— & **Galway, E. J.** Psychological services at a Naval retraining command. Psychol. Bull., 1945, **42:** 297–300.—**Mead, L. C.** Psychology at the Special Devices Center, Office of Naval Research. Am. Psychologist, 1949, **4:** 97–103.—**Psychological** test construction and research in the Bureau of Naval Personnel; measurement of achievement in Navy training. Psychol. Bull., 1945, **42:** 769–78.—**Weitzman, E., & McNamara, W. J.** Techniques used in analyzing the learning achievement of naval aviation cadets. J. Educ. Psychol., 1944, **35:** 181–5.

PSYCHOLOGICAL test.

See **Aviator,** Psychological examination; **Intelligence test; Mental test.**

PSYCHOLOGICAL warfare.

MEERLOO, A. M. Aftermath of peace; psychological essays. 218p. 21½cm. N. Y., 1946.

Alexander, F. Psychological warfare. Dis. Nerv. Syst., 1943, **4:** 223.—**Applications** of psychology in war conditions. Nature, Lond., 1940, **145:** 174–6.—**Bircher, E.** Guerre et psychologie. Praxis, Bern, 1943, **32:** 272.—**Bostock, J.** The psychology of war. Med. J. Australia, 1941, **1:** 723–8.—**Burlingame, C. C.** Bellum and cerebellum. Connecticut M. J., 1941, **5:** 83–7.—**Cartwright, D.** How do people behave in groups? Research Rev. (U. S. Navy) 1948, Mar., 21–3.—**García Albors, E.** Guerra psicológica. Rev. estud. mil., Madr., 1932, **2:** 178–96.—**Garrett, H. E.** Psychology and the war. Science, 1942, **96:** 465.—**Hall, J. K.** Psyche and Mars. South. M. & S., 1941, **103:** 385.—**Haraldsen, S.** Psychological warfare (transl.) Mil. Rev., Fort Leavenw., 1949–50, **29:** No. 10, 78–83, illust.—**Haskins, J. L.** Psychological warfare. Bull. Vancouver M. Ass., 1942, **19:** 48–52.—**Hyslop, T. B.** The psychology of warfare. West London M. J., 1917, **22:** 2–12.—**Mercier, R. G.** Batalla de las ideas. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 31.—**Morais Barros, M. J.** Psicologia e guerra. Impr méd., Rio, 1943, **18:** 132–4.—**Myers, C. S.** The uses of psychology in war-time. Nature, Lond., 1941, **147:** 564–6.—**Neumann.** Einige Beiträge zur Kriegspsychologie. Berl. klin. Wschr., 1920, **57:** 87.—**New** weapons of war. Med. Press & Circ., Lond., 1940, **204:** 451.—**Wolfle, D., Yerkes, R. M., & Marquis, D. G.** The use of psychology in war. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 1; 518.—**Yerkes, R. M.** Psychology and defense. Proc. Am. Philos. Soc., 1941, **84:** 527–42.

—— Affective life and emotions.

Allen, C. Emotional changes of war-time. Lancet, Lond., 1940, **1:** 901.—**Castro, A. de.** El drama de la guerra y la emoción médica. Rev. psiquiat. crim., B. Air., 1940, **5:** 427–30.—**Doob, L. W.** War reactions of a rural Canadian community. J. Abnorm. Psychol., 1941, **36:** 200–23.—**Dupré.** The emotions and the war. War Med., Par., 1918, **2:** 31–4.—**Fear,** distrust, and hate. Brit. M. J., 1940, **2:** 323.—**Furtado, D.** As emoções e a guerra. Impr. méd., Lisb., 1937, **3:** 413–21.—**Lang, H. B.** Emotions in the national emergency. Ment. Hyg. News, Alb., 1941–42, **12:** No. 3, 1.—**Menninger, W. C.** Emotional reactions created by the war. Ohio M. J., 1942, **38:** 733–43.—**Miller, M. L.** Some emotional problems of war-time. News Lett. (Ment. Hyg.) N. Y., 1942–43, **12:** 20–7.—**Mira, E.** La psicopatología de las reacciones de cólera y temor en los tiempos de guerra. América clín., 1943, **5:** No. 2, 98.—**Pearson, G. H. J.** Reactions of people to the war. Arch. Neur. Psychiat., Chic., 1943, **49:** 140–2.—**Stokvis, B.** [Individual and mass reactions during wartime] Psychiat. neur. bl., Amst., 1940, **44:** 44–51.—**Tucker, B. R.** Emotion and its home front reaction. Virginia M. Month., 1943, **70:** 230–2.

—— antimorale.

Fearful (A) story. Lancet, Lond., 1940, **2:** 304.—**Gardoqui, J. de.** Influencia en la guerra de las fuerzas morales. Guerra, Madr., 1925, **19:** 163–79.—**Maclay, W. S.** Effect of war on the civilian population in England. Arch. Neur. Psychiat., Chic., 1944, **52:** 245–7. Also J. Nerv. Ment. Dis., 1944, **100:** 73–7.—**Maintenance** of morale in war-time. Nature, Lond., 1940, **146:** 361.—**Matte, I.** Observations of the English in war time. J. Nerv. Ment. Dis., 1943, **97:** 447–63.—**Moral** (The) effect of the war; Britain's defence an inspiration to all. Australas. J. Pharm., 1940, **21:** 736.—**Polero, J. J.** Las fuerzas morales; deducción de principios morales y espirituales. Rev. mil., B. Air., 1942, **78:** 5–12.—**Schmeidler, G. R., & Allport, G. W.** Social psychology and the civilian war effort; May 1943–May 1944. J. Social Psychol., 1944, **20:** 145–80.

—— Ideology.

NEWMAN, K. O. Mind, sex and war. 2. ed. 82p. 18cm. Oxf., 1941.

Cronbach, L. J., & Davis, B. M. Belief and desire in wartime. J. Abnorm. Psychol., 1944, **39:** 446–58.—**Ekstein, R.** Ideologies in psychological warfare. Ibid., 1942, **37:** 369–87.—**Gray, G. W.** The war of ideas. In his Science at War, 3. ed., N. Y., 1943, 249–74.—**LeSage, A.** Notre mentalité; le citoyen; le médecin. Union méd. Canada, 1941, **70:** 2–7.

—— Methods.

See also **Panic.**

UNITED STATES. ARMY. MILITARY INTELLIGENCE DIVISION. A syllabus of psychological warfare. 45p. 26cm. Wash., 1946.

Edwards, A. L. Assessing opinion and discovering facts. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 464–84.—**Kehm, H. D.** The methods and functions of military psychological warfare. Mil. Rev., Fort Leavenw., 1946–47, **26:** No. 10, 3–15.

—— Nerve war.

See also **Panic; War neurosis.**

Azuela L., R. Los fenómenos psíquicos de la guerra. Rev. mil., La Paz, 1939, **3**: 99–106.—**Bauer, H.** Nervenkrieg mit Pestflugblättern. Deut. Aerztebl., 1944, **74**: 131–3.—**Bennett, A. E.** War nerves. Dis. Nerv. Syst., 1945, **6**: 43–8.—**Bion, W. R.** The war of nerves; civilian reaction, morale and prophylaxis. In: Neuroses in War (Miller, E.) N. Y., 1940, 180–200.—**Brown, A. A.** War on nerves. Health, Mount. View, 1943, **10**: No. 6, 12.—**Campbell, G.** War on nerves. Tr. Am. Hosp. Ass., 1939, **41**: 831–4.—**Clover, E.** Notes on the psychological effects of war conditions on the civilian population. Internat. J. Psychoanal., Lond., 1942, **23**: 17–37.—**Crichton-Miller, H.** Nervous reactions in war-time. Nurs. Times, Lond., 1942, **38**: 70.—**Dojč, J.** Rat i živci. Med. glasn., 1947–48, **2**: 77–9.—**Jacobson, E.** Radio talk given for Educational Committee; Illinois State Medical Society over Station WAAF, June 20, 1942; war nerves. Bull. Chicago M. Soc., 1942–43, **45**: 11–4.—**Katz, D.** Panic and mobs. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 445–63.—**Kennedy, F.** La guerra de nervios. Rev. mex. psiquiat., 1942, **9**: No. 52, 5–11.—**Lavalée, G.** La guerre des nerfs. Concours méd., 1940, **62**: 687.—**Majocchi, A.** I nervi e la guerra. In his Veglie in Casa di cura, Roma, 1946, 139–70.—**Mitchiner, P. H.** Some medical lessons of the recent crisis. S. Thomas Hosp. Gaz., Lond., 1939, **37**: 7–9.—**Moore, M.** War and nerves. Bull. N. England M. Center, 1946, **8**: 184–91.—**Oldfield, J.** The war and nerves. Health Cult., N. Y., 1941, **47**: No. 11, 16.—**Raphael, T., & Engel, D. S.** The war and nerves. Health, Mount. View, 1942, **9**: No. 10, 5. Also Rainbow, Detr., 1942–43, **19**: No. 10; 1.—**Rogerson, C. H.** Letter, July 18, 1940. Am. J. Psychiat., 1940–41, **97**: 969–71.—**Smart, N.** Nerves in war. Britain, N. Y., 1943–44, **2**: No. 6, 49–51.—**Stokes, A. B.** War strains and mental health. J. Nerv. Ment. Dis., 1945, **101**: 215–9.—**War** (The) on nerves [London letter] J. Am. M. Ass., 1939, **113**: 1143.—**War** stress and some of its sequels. Lancet, Lond., 1936, **2**: 93–5.—**Wilson, H.** War-time nerves. Nurs. Times, Lond., 1942, **38**: 500; 516.—**Yellowlees, H.** Mental strain in war time. J. R. Inst. Pub. Health, 1944, **7**: 37–47.

—— offensive.

See also **Offensive.**

Gray, G. W. The rape of the masses. In his Science at War, 3. ed., N. Y., 1943, 254–6.—**Watkins, J. G.** Offensive psychological warfare. J. Consult. Psychol., 1942, **6**: 117–22.

—— Organization.

Kehm, H. D. Organization for military psychological warfare in ETO. Mil. Rev., Fort Leavenw., 1946–47, **26**: No. 11, 10–5.

—— Press.

Allport, F. H. Studies of the influence of war-news headlines upon civilian morale; a contribution to war-effort research and the social psychology of news-presentation. Yearb. Am. Philos. Soc. (1943) 1944, 181–8.—**Díaz de Villegas, J.** La prensa, arma de guerra; la guerra de las noticias. Ejército, 1942, No. 32, 49–55.—**Gibbs, P.** Experiences of an official war correspondent; the psychology of war. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 54–60.—**Park, R. E.** Morale and the news. Am. J. Sociol., 1941–42, **47**: 360–77.

—— Protection against.

See also **Mental hygiene.**

Langdon-Brown, W. Mental health in war-time. Nature, Lond., 1941, **147**: 193–7.—**Lewis, A.** Mental health in war-time. Pub. Health, Lond., 1943–44, **57**: 27–30.—**Marcondes, D.** Higiene mental de guerra. Arq. neuropsiquiat., S. Paulo, 1944, **2**: 239–47.—**Morales, L. M.** La guerra de nervios y como defenderse de ella. Puerto Rico Health Bull., 1942, **6**: 215–9.—**Olinto, P.** Higiene mental nas atividades da Cruz Vermelha, na defesa passiva e no estado de guerra. Arq. brasil. hig. ment., 1943, **14**: 27–32.—**Pinto César, E.** Aspectos psicológicos da profilaxia da guerra dos nervos. An. paul. med. cir., 1945, **49**: 287–9. Also Impr. méd., Rio, 1945–46, **21**: No. 381, 69–71.—**Psychological** defense. Science News Lett., 1941, **40**: 163.—**Shor, J.** Morale cues in war communiques. Psychol. Bull., 1942, **39**: 486 (Abstr.)—**Tarumianz, M. A.** How to preserve mental health during days of unusual stress. Delaware M. J., 1943, **15**: 67–71.—**Velloso, W.** Deve-se parar a propaganda, em tempo de guerra? Hora méd., Rio, 1943, No. 64, 67–70.

—— Public opinion influence.

See also **National defense; Preparedness.**

Creel, G. Propaganda and morale. Am. J. Sociol., 1941–42, **47**: 340–51.—**Dann Obregón, E.** La instrucción pública y los problemas de la defensa nacional. Rev. mil., B. Air., 1943, **43**: pt 2, 505–20.—**Emery, W. B.** Verbal warfare. Q. J. Speech, 1944, **30**: 154–7.—**Gray, G. W.** The machinery of propaganda. In his Science at War, 3. ed., N. Y., 1943, 256–60. —— American and British propaganda. Ibid., 268–71.—**Kennedy, F.** Psychiatry and propaganda. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 341–54.—**Kris, E.** Some problems of war propaganda; a note on propaganda new and old. Psychoanal. Q., 1943, **12**: 381–99.—**Link, H. C.** A study of public opinion and morale. J. Appl. Psychol., 1941, **25**: 636–45.—**Ludwig.** Die Propaganda als Kriegsmittel. Mil. Wbl., Berl., 1942–43, **127**: 121–4.—**Masserman, J. H.** The dynamic psychology of war-time communications and morale. Dis. Nerv. Syst., 1944, **5**: 101–11. —— Some principles of group communication as exemplified in war-time propaganda. In his Principl. Dynam. Psychiat., Phila., 1946, 216–32.—**Menefee, S. C., & Granneberg, A. G.** Propaganda and opinions on foreign policy. J. Social Psychol., 1940, **11**: 393–404.—**Propaganda** and psychological warfare. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 485–500.—**White, R. K.** Hitler, Roosevelt, and the nature of war propaganda. J. Abnorm. Psychol., 1949, **44**: 157–74.

—— Rumor.

Allport, F. H., & Lepkin, M. Wartime rumors of waste and special privilege; why some people believe them. J. Abnorm. Psychol., 1945, **40**: 3–36.—**Burlingame, C. C.** Bacteria; rumors; propaganda; war. South. M. &. S, 1942, **104**: 266.—**Knapp, R. H.** Rumor. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 432–44.—**World** War No. 2 is almost over [text of propaganda leaflet dropped by Germans 1945] Lancet, Lond., 1945, **1**: 318.

—— tactical.

Gillette, F. E. The military aspect of psychological warfare. Mil. Rev., Fort Leavenw., 1942, **22**: No. 84, 13–7.—**Jones, E. L.** Fighting with words; psychological warfare in the Pacific. Atlantic Month., 1945, **176**: 47–51.—**Mecrloo, A. M.** Psychological war-experiences in a small army. Psychiat. Q. Suppl., 1947, **21**: 67–93.—**Schumacher, E.** Der Feldherr als Psychologe. Vjschr. schweiz. Sanitätsoff., 1944, **21**: 202–4.—**Táctica** (La) de las bolas. Policía secr. nac., Habana, 1942, **10**: 101.

—— Technic.

Leighton, A. H., & Opler, M. E. Psychiatry and applied anthropology in psychological warfare against Japan. Am. J. Psychoanal., 1946, **6**: 20–7.—**Mead, M.** Anthropological techniques in war psychology. Bull. Menninger Clin., 1943, **7**: 137–40.—**[Psychological** preparation] Milit. Rep., Wash., 1943, No. 5, 25–9.

—— Terror devices.

Bruner, J. S., & Fowler, G. The strategy of terror; audience response to Blitzkrieg im Westen. J. Abnorm. Psychol., 1941, **36**: 561–74.—**Gray, G. W.** The weapon of terror. In his Science at War, 3. ed., N. Y., 1943, 164.—**Mills, H.** Psychological problems of war-time; fear and anxiety. Nurs. Times, Lond., 1940, **36**: 172; 204.

—— Weapons and media.

Invasion? Westchester M. Bull., 1941, **9**: No. 3, 7.—**Krugman, M., & Silverman, S. S.** Psychological weapons of war. Ment. Hyg., Alb., 1942, **26**: 461–8.—**Nafziger, R.** The effect of media of mass impression on public attitudes and behavior. Q. Project Sum. Off. Nav. Res., 1948, July, 388.—**Psychological** aids to war. Science News Lett., 1940, **38**: 165.

—— by foreign armies.

Becker, W. H. Englische Kriegslügen. Psychiat. neur. Wschr., 1939, **41**: 501.—**Broder, S. B.** Russian psychological warfare. Dis. Nerv. Syst., 1943, **4**: 154–8.—**Bruner, J. S.** The dimensions of propaganda; German short-wave broadcasts to America. J. Abnorm. Psychol., 1941, **36**: 311–37.—**Eliasberg, W.** German philosophy and German psychological warfare. J. Psychol., Provincet., 1942, **14**: 197–216.—**Fitts, P. M.** German applied psychology during World War II. Am. Psychologist, 1946, **1**: 151–61.—**Franzen, E.** German Psychological Warfare, edited by Ladislaus Faragó, N. Y., 1941. Am. J. Sociol., 1942–43, **48**: 141.—**Germany's** psychological warfare plans revealed. Science News Lett., 1941, **39**: 355.—**Gillespie, R. D.** German psychological warfare; an American survey. Brit. M. J., 1942, **1**: 445–8.—**Gitelson, M.** German psychological warfare; a review of the survey published by the Committee for National Morale. Dis. Nerv. Syst., 1943, **4**: 125–8.—**Grotjahn, M.** Some remarks on British psychological warfare. Ibid., 251.—**Holtman, R. B.** The use of propaganda by Napoleon. Summaries Doct. Diss. Univ. Wisconsin, 1942, **6**: 145–7.—**Lindsay, G. M.** The German psychological machine and the need to combat it. Ment. Health, Lond., 1942, **3**: 54.—**National** psychiatry. S. Barth. Hosp. J. War Ed., Lond., 1940–41, **2**: 194.—**Pasqualis Politi, A. S.** La psicología en la propaganda militar. Rev. mil., B. Air., 1947, **47**: 830–5.—**Saul, L. J.** German Psychological Warfare; Survey and Bibliography; N. Y., Committee for National Morale, 1941. Psychoanal. Q., 1942, **11**: 228–30.

PSYCHOLOGIST.

Andrews, T. G., & Dreese, M. Military utilization of psychologists during World War II. Am. Psychologist, 1948, **3**: 533–8.—**Britt, S. H.** Radio broadcast on psychologists in the

war effort. Psychol. Bull., 1942, 39: 665–9. ——— & **Morgan, J. D.** Military psychologists in World War II. Am. Psychologist, 1946, 1: 423–37.—**McQuitty, L. L.** Developing military psychologists. J. Appl. Psychol., 1944, 28: 72–8.—**Pratt, C. C.** Civilian assistance to military psychologists. Psychol. Bull., 1943, 40: 217.

—— Army.

Baier, D. E. Psychologists and the Army Specialist Corps. Psychol. Bull., 1942, 39: 867–70.—**Bell, H. M., & Altus, W. D.** The work of psychologists in the 9th Service Command Special Training Center. Ibid., 1944, 41: 187–91.—**Britt, S. H.** Psychology and the war; utilization of psychologists in the Army Air Forces, and in the Army's classification program. Ibid., 1942, 39: 306–13.—**German** Army psychologists make effective use of science. Science News Lett., 1941, 39: 213.—**Gilbert, G. M.** The personnel consultant in an Army training center. Psychol. Bull., 1944, 41: 180–6.—**Henderson, R. W.** Psychological consultation service in an Army Specialized Training Program STAR unit. Ibid., 395–9.

—— clinical.

See also **Psychology,** clinical.

Bulletin of military clinical psychologists. Wash., v.1, No. 1, 1946–

United States. Veterans Administration. Technical bulletin TB 10A–146: Cooperative training program for clinical psychologists associated with part-time work in VA stations where neuropsychiatric cases are treated. 8p. 27cm. Wash., 1948.

Clinical Psychological Program. Bull. U. S. Army M. Dep., 1945, No. 85, 44.—**Functions** (The) of clinical psychologists in the E. T. O. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 46.—**History** of the Association of Military Clinical Psychologists. Bull. Mil. Clin. Psychologists, 1946, 1: 1–5.—**Holzberg, J. D.** A practical program of in-service training for military clinical psychologists. J. Clin. Psychol., 1946, 2: 341–7. ——— **Zlatchin, P. J., & Pivnick, H.** Guidance and personnel functions of the clinical psychologist in a military neuropsychiatric setting. Ment. Hyg., Alb., 1947, 31: 605–21.—**Hutt, M. L., & Milton, E. O.** The duties performed by clinical psychologists in Army medical installations. Bull. Mil. Clin. Psychologists, 1946, 1: 110–27. ——— An analysis of duties performed by clinical psychologists in the Army. Am. Psychologist, 1947, 2: 52–6.—**Layman, J. W.** Utilization of clinical psychologists in the general hospitals of the Army. Psychol. Bull., 1943, 40: 212–6.—**Patterson, C. H.** The clinical psychologist in an Army hospital. Am. J. Orthopsychiat., 1946, 16: 215–21.

—— Duties and functions.

Great Britain. Privy Council. Expert Committee on the Work of Psychologists and Psychiatrists in the Services. Report. 95p. 23½cm. Lond., 1947.

Burks, B., Horowitz, E., & Valentine, R. Comment and clearance. J. Social Psychol., 1942, 15: 187–96.—**Gamlich, F. W., & Stouffer, G. A. W.,** jr. Functions of the psychologist in the Neuropsychiatric Unit [at Farragut Naval Training Station] J. Consult. Psychol., 1943, 7: 211–5.—**Hutt, M. L.** Report of duties performed by clinical psychologists. Bull. U. S. Army M. Dep., 1947, 7: 233–7.—**Marquis, D. G.** Social psychologists in national war agencies. Psychol. Bull., 1944, 41: 115–26.—**Rein, B. D., Brown, W., & Allyn, M.** The position of the psychologist on the psychiatric team. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 185–9.—**Stevens, P.** The station hospital psychologist. J. Consult. Psychol., 1944, 8: 319–22.—**Tucker, A. C.** The role of research psychologists in the military service. Bull. U. S. Army M. Dep., 1947, 7: 727–32.—**Wolfe, D.** Psychologists' activities in the national emergency. J. Consult. Psychol., 1941, 5: 240–2.

—— female.

Bremner, M. K. Women psychologists in the Waves, Spars, and Marine Corps (W–R) Psychol. Bull., 1943, 40: 377.—**Goodenough, F. L.** Expanding opportunities for women psychologists in the post-war period of civil and military reorganization. Ibid., 1944, 41: 706–12.—**Murphy, G.** Service of women psychologists to the war. J. Consult. Psychol., 1943, 7: 249–51.—**Schweisinger, G. C.** Wartime organizational activities of women psychologists; the National Council of Women Psychologists. Ibid., 298–301.—**Tolman, R.** Subcommittee of the Emergency Committee on the services of women psychologists. Ibid., 296.

—— Military service.

Britt, S. H. Psychology and the war. Psychol. Bull., 1942, 39: 255–60. ——— Occupational deferment of psychologists and psychologists in training. Ibid., 873–9.—**Commissions** for psychologists. Bull. U. S. Army M. Dep., 1944, No. 83, 20.—**Marquis, D. G.** The mobilization of psychologists for war service. Psychol. Bull., 1944, 41: 469–73.—**Murphy, G.** Some suggestions for psychologists. Ibid., 1942, 39: 871.—

—— Navy.

Jenkins, J. G. Utilization of psychologists in the United States Navy. Psychol. Bull., 1942, 39: 371–5.—**Lewinski, R. J., & Pennington, L. A.** Professional services and training requirements of the psychologist in class H–V (S) of the Navy. Ibid., 1943, 40: 519–27.—**Louttit, C. M.** Psychologists in the Navy. Ibid., 375. ——— A study of 400 psychologists commissioned in the U. S. Naval Reserve. Ibid., 1944, 41: 253–7.—**Mitchell, M. B.** The clinical psychologist in a Naval hospital. Ibid., 561–4.—**Richards, T. W.** Psychologist in the Naval hospital. Ibid., 565–7.

—— Veterans.

United States. Veterans Administration. Technical bulletin TB 10A–84: Psychological consultants for programs under the Department of Medicine and Surgery and the Office of Vocational Rehabilitation and Education. 4p. 27cm. Wash., 1947.

Grier, N. M. Suggestions concerning the personal counselling of veterans. Ment. Health Bull., Danville, 1945, 23: No. 3, 12–7.—**Peatman, J. G.** Special training program for counselors of war veterans. Psychol. Bull., 1945, 42: 231–6.—**Schneidler, G.** The role of the psychologist in the counseling program of the Veterans Administration. Educ. Psychol. Measur., 1947, 7: 117–25.

PSYCHOLOGY.

See also **Blackout; Blind; Chemical warfare; Civilian defense; Combat; Injury; Internee; Journals; Militarism; Neuropsychiatric examination; Officer; Prisoner of war; Veteran; War.**

Bingham, W. V. Military psychology in war and peace. Science, 1947, 106: 155–60.—**Bircher, E.** Warum Wehrpsychologie? Schweiz. Zschr. Psychol., 1942, 1: 61–5.—**Bogen, D.** [Present state of psychology] Voen. med. J., Moskva, 1932, 3: 193–201.—**Bray, C. W.** The future of military psychology. In his Psychol. & Milit. Profic., Princet., 1948, 224–35.—**Fechner, K.** Wehr-Psychologie. Deut. Aerzte Ztg, 1937, 12: No. 436, p.[3]—**Fernandez España, G.** Nuevas orientaciones en la psicología. Rev. san. mil., Madr., 1924, 3. ser., 14: 61; 85.—**Haffter, C.** Wehrpsychologie. Vjschr. schweiz. Sanitätsoff., 1944, 21: 127–31.—**Hall, G. S.** Practical applications of psychology as developed by the War. Pedag. Semin., Worcester, 1919, 26: 76–89.—**Line, W.** Psychology. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 6, 31–5.—**Louttit, C. M.** Psychology during the war and afterward. J. Consult. Psychol., 1944, 8: 1–7.—**McGeoch, J. A.** Psychology and the war. Psychol. Bull., 1942, 39: 179–81.—**Marquis, D.** Psychology in the war. Tr. N. York Acad. Sc., 1944–45, Ser. 2, 7: 43.—**Mayer, E.** La psychologie militaire. Rev. philanthrop., Par., 1930, 109: 23–42.—**Mls, J.** Zájmový činitel v užité psychologii. Voj. zdrav. listy, 1949, 18: 102–7.—**Older, H. J.** In defense of military psychology. Am. Psychologist, 1947, 2: 105.—**Psychology** and the soldier. Med. Rec., N. Y., 1941, 154: 17.—**Radecki, W.** Psychologja; a wojsko. Lek. wojsk., 1920, 1: No. 13, 6–11.—**Ravn, J.** Om moderne militaerpsykologi og -psykiatri. Ugeskr. laeger, 1949, 111: 513–5.—**Sanz Gómez, F.** La psicología e el Ejército. Psicotecnia, Madr., 1944–45, 5: 71–8.—**Sylvester, R. W.** Military psychology; individual differences. Mil. Rev., Fort Leavenw., 1947–48, 27: No. 11, 55–61.—**Vlad, C.** [Psychology as continuation of physiology] Rev. san. mil., Bucur., 1939, 38: 17–20.

—— Air Force.

See also **Aeromedicine,** Relationship; **Navigator.**

Lovelace, W. R., II, Gagge, A. P., & Bray, C. W. Aviation medicine and psychology; a report prepared for the AAF Scientific Advisory Group. 137p. 27½cm. Wright Field, 1946.

Lushington, M. L. Reactions on re-test to inhibition of a learned task. 7p. 32½cm. Lond., 1948.

Forms F. P. R. C. No. 707, Gr. Britain Flying Pers. Res. Com.

Luxenburger, H. The psychology of flying. 3p. 27½cm. Wright Field, 1946.

Forms No. F–TS–596–RE, Transl. Materiel Com. U. S. A. F.

United States. War Department. Technical manual TM 8–320: Notes on psychology and personality studies in aviation medicine. 335p. 23cm. Wash., 1941.

WICKERT, F. Psychological research on problems of redistribution. 298p. 24cm. Wash., 1947.

Forms No. 14, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Bijou, S. W., & Heathers, G. L. Summary and evaluation. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 180–92.—**Fiske, D. W.** Naval aviation psychology; the Special Services Group. Am. Psychologist, 1946, **1**: 544–8.—**Historical** (An) introduction to aviation psychology. Rep. Div. Res. U. S. Civil Aeronaut. Admin., 1942, No. 4, 1–71.—**Knoepfel, H. K.** Anglo-amerikanische Fliegerpsychologie. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 185–9.—**Miles, W. R.** Psychological aspects of military aviation. Am. Scientist, 1945, **33**: 147; 232. Also Science in Progr., N. Haven, 1945, **4**: 1–48.—**Onogi, T., Yosino, A.** [et al.] Japanese Army Air Force use of aviation psychology. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 176, 1–14.

—— applied.

Carmichael, L. Psychology in modern warfare. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 244–8.—**Chmielniski, E.** Influence de la guerre sur les applications de la psychologie aux U. S. A. Enfance, Par., 1948, **1**: 176–84.—**Fahey, G. L.** Psychology in military affairs. In: Psychol. Hum. Affairs (Gray, J. S.) N. Y., 1946, 564–605.—**Harrell, T. W.** Applications of psychology in the American Army. Psychol. Bull., 1945, **42**: 453–60.—**Reed, H. B.** Some contributions of psychology toward the war effort. Tr. Kansas Acad. Sc., 1943, **46**: 298–302.—**Tuck, G. N.** The Army's use of psychology during the war. Occup. Psychol., Lond., 1946, **20**: 113–8.

—— Bibliography.

Ansbacher, H. L. The Gasiorowski bibliography of military psychology. Psychol. Bull., 1941, **38**: 505–8.—**Kornilowicz, T.** Bibliographie de psychologie militaire. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 391.

—— clinical.

See also **Psychologist,** clinical.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–16: Procedure for the preparation of Monthly Clinical Psychology Report. 4p. 27cm. Wash., 1947.

Bingham, W. V. Current activities of psychologist in the Adjutant General's Office. Bull. Mil. Clin. Psychologists, 1946, **1**: 22.—**Cofer, C. N.** Some observations on clinical method in psychology. Ibid., 42–7.—**Colvin, R. W.** Psychology in a mental hospital. Hosp. Corps Q., 1945, **18**: No. 9, 17–9.—**Goldberg, S.** Contributions of the clinical psychologist to Army training programs. Bull. Mil. Clin. Psychologists, 1946, **1**: 53–65.—**Hunt, W. A.** Clinical psychology. Hosp. Corps Q., 1945, **18**: No. 9, 11–3.—**Hutt, M. L.** Current activities of the Clinical Psychology Branch. Bull. Mil. Clin. Psychologists, 1946, **1**: 19.—**Patterson, C. H.** Clinical psychology in the Army; a bibliography. Psychol. Bull., 1945, **42**: 393–5.—**Pennington, L. A., & Timm, O. K.** Service and training in a clinical psychology unit in a Veterans Administration neuropsychiatric hospital. Am. Psychologist, 1949, **4**: 33–7.—**Rudolf, G. de M.** Psychology and clinical practice. J. R. Army M. Corps, 1940, **75**: 310–5.—**Sears, R. R.** Clinical psychology in the military services. Psychol. Bull., 1944, **41**: 502–9.—**Seidenfeld, M. A.** The clinical psychological program of the Army. Bull. Menninger Clin., 1944, 8: 145. ——— Clinical psychology in Army hospitals. Psychol. Bull., 1944, **41**: 510–4. ——— Planning for psychological services in the new Army. Bull. Mil. Clin. Psychologists, 1946, **1**: 24.

—— Examination.

See **Neuropsychiatric examination.**

—— Instruction.

Case, H. W., & Pennington, L. A. A note concerning a new course in military psychology. J. Consult. Psychol., 1942, **6**: 253.—**College** curriculum adjustments in psychology to meet war needs. Psychol. Bull., 1943, **40**: 528–35.—**Meier, N. C.** The introductory course and military psychology. Ibid., 787–90.—**Pennington, L. A., & Case, H. W.** A course in military psychology. Ibid., 1942, **39**: 377–80.—**Schreiber, J.** Psychological training and orientation of soldiers. Ment. Hyg., Alb., 1944, **28**: 537–54.—**War** work of the Department of Psychology of Yale University. Science, 1942, **95**: 296.

—— Manuals and monographs.

ABHANDLUNGEN ZUR WEHRPSYCHOLOGIE; Vorträge aus einem Fortbildungskurs beim Psychologischen Laboratorium des Reichskriegsministeriums, Berlin, März 1936. 196p. 8° Lpz., 1936.

Forms: Beih. 72, Zschr. angew. Psychol.

COPELAND, N. Psychology and the soldier. 136p. 19½cm. Harrisb., 1942.

MASHBURN, N. C. Psychology; prepared under the direction of the Commandant, School of Aviation Medicine, for official use in the instruction of students pursuing resident or extension courses. 197p. 26cm. Randolph Field, 1938.

MEIER, N. C. Military psychology. 395p. 21cm. N. Y., 1943.

RUCH, F. L. Psychology and life; a study of the thinking, feeling, and doing of people including a section of physiological backgrounds. New ed. 754p. 22cm. Chic., 1944.

Forms No. 426, Educ. Man. U. S. Armed Forces Inst.

SIMONEIT, M. Wehrpsychologie; ein Abriss ihrer Probleme und praktischen Folgerungen. 161p. 24½cm. Berl., 1933.

UNITED STATES. NATIONAL RESEARCH COUNCIL. Psychology for the fighting man. 456p. 17cm. Wash., 1943.

——— Psychology for the Armed Services. 533p. 22cm. Wash., 1945.

WEHRPSYCHOLOGISCHE ARBEITEN. Berl., No. 6, 1939–

Boring, E. G. The Subcommittee on a Textbook of Military Psychology. Psychol. Bull., 1943, **40**: 60–3. ——— Psychology for the fighting man; report of the subcommittee on a textbook of military psychology. Ibid., 591–4. ——— & **Van de Water, M.** Psychology for the fighting man [Bk Rev.] Psychiat. Q., 1943, **17**: 709–11.—**Hunter, W. S.** Psychology for the fighting man; a special review. Psychol. Bull., 1943, **40**: 595–7.

—— Organization.

See **Psychological service.**

—— Personnel psychology.

Bellows, R. M., & Richardson, M. W. Training in military personnel psychology; minimum requirements for college courses. Psychol. Bull., 1943, **40**: 39–47.—**Hall, C. S.** A course in Army personnel techniques. Ibid., 285–9.—**Wolfle, D.** The Army specialized training program course in personnel psychology. Ibid., 780–6.

—— Problems.

Bayroff, A. G. Some experimental problems in military psychology. J. Elisha Mitchell Sc. Soc., 1942, **58**: 138.—**Bingham, W. V.** Practical problems of military psychology in war and peace. Tr. N. York Acad. Sc., 1946–47, **9**: 129–32.—**Schaer, K. F.** Wehrpsychologische Fragen. Deut. Militärarzt, 1940, **5**: 439 (Abstr.)

—— Research.

LEPLEY, W. M. Psychological research in the theaters of war. 202p. 23½cm. Wash., 1947.

Forms No. 17, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Cameron, N. Psychological research in psychiatry. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 105–17.—**Straker, D.** Difficulties of psychological field research in a fighting service. Occup. Psychol., Lond., 1944, **18**: 133–41.

PSYCHOMETRIC pattern.

See under **Neuropsychiatric examination,** Psychological tests.

PSYCHOMETRY.

See **Neuropsychiatric examination,** Mental test; also **Destroyer; Mental test.**

PSYCHOMOTOR performance.

See also under **Motor ability; Performance; Psychomotor test; Reaction time.**

IVY, A. C., KRASNO, L. R. [et al.] The effect of various drugs on psychomotor performance at ground level and at simulated altitudes of 18,000 feet, decompression chamber. 4p. 28cm. Wash., 1942.

Forms No. 58, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

SMITH, P. K. The effect of some cortical stimulating drugs on intellectual and psycho-

motor performance at 18,000 feet with and without supplementary oxygen. 10p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 114, U. S. Air Force School Aviat. M.

Feisani, J. La aptitud psicofísica para el servicio militar. Rev. san. mil., Lima, 1935, **8**: 107–14.—**Gorovoi-Shaltan, V. A.** [Limitations in psychomotor reaction time] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 113–9.—**Oliveira Estéves, J. V. d'.** Interpretación de los gráficos en los tiempos de reacción psicomotrices. Rev. san. mil., B. Air., 1931, **30**: 374–95. ——— Un nuevo tipo de tiempo de reacción psicomotriz. Ibid., 1940, **39**: 940–2.

PSYCHOMOTOR test.

See also **Aviator,** Psychophysical test; **Motor system; Neuropsychiatric examination.**

Brown, J. S. A validation study of the Hoagland-Werthessen Target Meter (S. A. M. Electronic Pilot Pursuit Test, CM 815A) 10p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 270, U. S. Air Force School Aviat. M.

—— An evaluation of the Stevens Pursuit Meter (CM814A) as a psychomotor test for the selection of pilot trainees. 13p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 272, U. S. Air Force School Aviat. M.

Loucks, R. B. Measurement of smoothness of coordination in the performance of a psychomotor test. 7p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 45, U. S. Air Force School Aviat. M.

—— An improved impact counter for the measurement of smoothness of coordination in the performance of psychomotor tests. 7p. 27 cm. Randolph Field, 1942.

Forms Rep. No. 2, Proj. No. 45, U. S. Air Force School Aviat. M.

Buel, J., & Payne, R. B. Personnel selection and classification procedures; psychomotor tests. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 26; 1948, Apr., 22.

PSYCHONEUROSIS.

See with **Neurosis; War neurosis.**

PSYCHONEUROTIC.

See **Aviator,** Neuropsychiatry; **Neurotic.**

PSYCHONEUROTIC casualty.

See **Neuropsychiatric casualty.**

PSYCHOPATH.

See also **Enuresis; Homosexuality; Neuropsychiatric casualty; Neuropsychiatric examination; Neurotic; Unfit.**

Kurth, J. *Ueber Hochstapler im Kriege. 30p. 8° Bonn, 1919.

Schmidt, W. Psychopathie. p.40–137. 24½cm. Berl., 1918.

In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918.

Ansanelli, F. C. Military aspects of the psychopathic personality to aid non-medical officers. Mil. Rev., Fort Leavenw., 1945–46, **25**: 43–7.—**Baeyer, W.** Ueber psychopathische Reaktionen Wehrpflichtiger. Veröff. Heer. San., 1938, H. 105, 602–33.—**Bambaren, C. A.** Casos de psicopatología observados en el Ejército. Rev. san. mil., Lima, 1934, **7**: 21–37.—**Barker, L. F.** Psychoneurotic states and psychopathic personalities with comments upon their relation to the military and naval services. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 152–6.—**Bender.** Zur Theorie und Praxis des Psychopathienproblems. Deut. Militärarzt, 1942, **7**: 711–5.—**Benon, R.** Perversité et réforme pour maladie mentale. Gaz. hôp., 1939, **112**: 73–6.—**Blackman, N.** The psychopathic military prisoner. War Med., Chic., 1943, **4**: 508–13.—**Bullard, D. M.** Selective Service psychiatry; schizoid and related personalities; mood disorders and psychopathic personalities. Psychiatry, Balt., 1941, **4**: 231–9. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 553–65.—**Caldwell, J. M.,** jr. The constitutional psychopathic state, psychopathic personality; studies of soldiers in the U. S. Army. J. Crim. Psychopath., 1941–42, **3**: 171–9. ——— The problem soldier and the Army. Am. J. Psychiat., 1948–49, **105**: 46–51.—**Clark, J. H.** Application of the MMPI in differentiating A. W. O. L. recidivists from non-recidivists. J. Psychol., Provincet., 1948, **26**: 229–34.—**Cleckley, H.** The so-called psychopathic personality; with special emphasis on his status in the Selective Service. J. M. Ass. Georgia, 1941, **30**: 466–72.—**Donovan, R.** The story of a draftee who wasn't born for this world. J. Abnorm. Psychol., 1943, **38**: No. 2, Suppl., 185–8.—**Driest, W.** Psychopathen. In his Richtlinien ü. Menschenführ., 2. Aufl., Berl., 1944, 37–43.—**Duarte Ribeiro, G.** Constituições psycopathicas. Rev. med. mil., Rio, 1934, **23**: 421–5.—**Dunn, W. H.** The psychopath in the Armed Forces; review of the literature and comments. Psychiatry, Balt., 1941, **4**: 251–9.—**Fernández España, G.** Los caracteres semimorbidos. Rev. san. mil., Madr., 1917, 3. ser., **7**: 409; 441.—**Gauthier.** Les déséquilibrés dans l'Armée. Hyg. ment., Par., 1928, **23**: 238–56.—**Georgi, F.** Zur Frage psychopathologischer Reaktionen auf Kriegsereignisse. Schweiz. Arch. Neur. Psychiat., 1943, **51**: 54–68.—**Griswold, W. R.** Constitutional psychopathic state as related to the Navy. U. S. Nav. M. Bull., 1942, **40**: 646–51.—**Gundry, C. H.** Psychopathic personality; the use of this term in the Canadian Army overseas. Bull. Vancouver M. Ass., 1945–46, **22**: 5–8.—**Hall, R. W.** Peculiar personalities; disorders of mood; psychopathic personality. War Med., Chic., 1941, **1**: 383–6.—**Heuyer.** Psychopathologie de l'enfance victime de la guerre. Bull. Acad. nat. méd., 1948, **132**: 172–6.—**Heyde.** Die abnormen Persönlichkeiten in ihrem Verhältnis zur Gemeinschaft als ärztliche Aufgabe im Frieden und im Kriege. Klin. Wschr., 1940, **19**: 454.—**Kaplan, L. A.** Behavior problems in an Army Service Forces Training Center. Arch. Neur. Psychiat., Chic., 1946, **55**: 435–7.—**Klieneberger, O.** Betrachtungen über Wesen und Behandlung psychopathischer Heeresangehöriger in der Kriegszeit und ihre Bedeutung für die heutige Beurteilung psychopathischer Persönlickheiten. Arch. Psychiat., Berl., 1931, **94**: 145–71.—**Latham, A. D.** Naval repeat offenders; one aspect of psychiatric review. J. R. Nav. M. Serv., 1946, **32**: 38–41.—**Lipton, H. R.** The psychopath in prison. Mil. Surgeon, 1949, **104**: 119–23.—**Malamud, W.** Psychopathic personalities. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 160–79.—**Men** who break in Army life problem to Army physicians. Science News Lett., 1941, **40**: 148.—**Michaels, J. J., & Porter, R. T.** The contrast in incidence of compulsion neurosis and psychopathic personality in the Armed Forces; psychiatric and social implications. Arch. Neur. Psychiat., Chic., 1950, **63**: 168–70.—**Mira y López, E.** Psychopathic personalities and psychopathic reactions. In his Psychiatr. in War, N. Y., 1943, 76–80.—**Mosby, G. L.** Psychological factors in psychopaths. U. S. Veterans' Bur. M. Bull., 1930, **6**: 980.—**Nelken, J.** Psychopatja w wojsku podczas wojny i w czasie pokoju. Rocz. psychiat., 1929, **11**: 86–110. ——— [Psychopathy during the war] Lek. wojsk. 1935, **25**: 31–3.—**Osipov, V.** Psikhopatija. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 972–4.—**Pekelský, A.** [Psychopathic constitution] Voj. zdrav. listy, 1931, **7**: 39–46.—**Rabinowitz, A. J.** Aspects of psychopathic personality. Med. Bull. Veterans Admin., 1941–42, **18**: 179–81.—**Ripley, H. S., & Wolf, S.** Psychoses occurring among psychopathic personalities in association with inelastic situations overseas. Am. J. Psychiat., 1948–49, **105**: 52–9.—**Roback, H. N.** The emotionally unfit soldier; psychiatric study of 12,000 soldiers in an Infantry Replacement Training Center. J. Nerv. Ment. Dis., 1946, **104**: 526–32.—**Rottersman, W.** The guardhouse inmate, with a brief discussion of the psychopathic personality. War Med., Chic., 1944, **5**: 271–9.—**Rowntree, L. G.** The unfit; how to exclude them. Proc. Milit. Sess. Am. Soc. Res. Psychosomat. Probl., 1943, 2–8; Disc. 29–41.—**Silva, P. A. da.** As personalidades psicopáticas nas fôrças armadas. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 179–95.—**Stalker, H.** Masquerading in uniform; a wartime form of psychopathic behaviour. J. Ment. Sc., Lond., 1945, **91**: 188–94.—**Vallejo Nájera, A.** La asexualización de los psicópatas. Rev. san. mil., Madr., 1934, **24**: 33–6.—**Whiteridge, S. M.** Psychopathic personality. J. R. Nav. M. Serv., 1946, **32**: 219–31.—**Wuth, O.** Betrachtungen über einige Psychopathiefragen in der Wehrmacht. Deut. Militärarzt, 1937, **2**: 320–4.—**Wyrsch, J.** Psychopathen im Militärdienst. Gesundheit, Zür., 1946, **26**: 456–63.

—— Adjustment.

Holzheimer, F. Schwierige Persönlichkeiten unter den Rekruten und ihre Behandlung. 48p. 23½cm. Berl., 1940.

Forms No. 7, Wehrpsychol. Arb.

Billings, E. G. The recognition, prevention, and treatment of personality disorders in soldiers. Army M. Bull., 1941, No. 58, 1–37.—**Davidoff, E.** The prevention of maladjustment in an Army Service Forces Training Center. Dis. Nerv. Syst., 1946, **7**: 268–72.—**Deibel, A. W.** Student behavior problems. Hosp. Corps Q., 1944, **17**: 61.—**Heinichen.** Vorschläge zur rechtzeitigen Erkennung, richtigen Beurteilung und zur Führung schwererziehbarer, psychopathischer Soldaten. Veröff. Heer. San., 1938, H. 105, 591–601.—**Pederson, T. E.** Nursing aspects of habit-training. Med. Bull. Veterans Admin., 1938–39, **15**: 383–93.—**Prewer, R. R.** The management and treatment of misfits in the services. Med. Press & Circ., Lond., 1945, **213**: 247–50.—**Sandler, S. A., & Rotman, S. R.** Adjusting

the emotionally unstable soldier. Bull. U. S. Army M. Dep., 1945, No. 85, 103–7.—**Serieux, P., & Laignel-Lavastine.** Sur l'utilité de mesures speciales pour les anormaux psychiques constitutionnels en temps de guerre. Bull. méd., Par., 1917, **31**: 11.—**Vinchon, J., & Montassut, M.** Adaptation des psychasténiques aux conditions de guerre. Médecine, Par., 1940, **21**: 104–12.

—— Military service.

EKBLAD, S. M. A psychiatric and sociologic study of a series of Swedish naval conscripts. 201p. 24cm. Kbh., 1948.

Forms Suppl. 49, Acta psychiat. neur., Kbh.

Alexander, L. [Military fitness; psychopaths] CIOS Rep., Lond., 1945, Item 24, No. XXVIII–49, 25.—**Brosin, H. W.** The unfit; how to use them. Proc. Milit. Sess. Am. Soc. Res. Psychosomat. Probl., 1943, 20–41.—**Chance** for misfits. Bull. Army M. Dep., Lond., 1943, No. 30, 6.—**Consiglio, P.** Utilizzazione, dal punto di vista militare e dal punto di vista sociale, degli anormali e degenerati. Scuola posit., 1919, **29**: 145–58.—**Dunn, W. H.** The psychopath in the Armed Forces. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 534–45.—**Fribourg-Blanc, A. J.** Les constitutions psychopathiques, l'intérêt de leur connaissance au point de vue de la classification des psychoses et de l'aptitude au service militaire. Arch. méd. pharm. mil., 1927, **87**: 349–74.—**Glaus, A.** Ueber die Militärdiensttauglichkeit der infantilen Psychopathen. Vjschr. schweiz. Sanitätsoff., 1950, **27**: 1–11.—**Halloran, R. D.** The unfit; how to exclude them and how to use them. Proc. Milit. Sess. Am. Soc. Res. Psychosomat. Probl., 1943, 1; Disc., 29–41.—**Hofmann.** Ueber das Eindringen von Psychopathen in das Heer. Veröff. Heer. San., 1927, H. 81, 29–70.—**Kaplan, L. A.** The psychopath in the U. S. Army. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 46–9.—**Kittel.** Ueber das Eindringen von Psychopathen in das Reichsheer. Veröff. Heer. San., 1927, H. 81, 3–28.—**Linares Maza, A.** Personalidades psicopáticas en el Ejército. Actual. méd., Granada, 1949, **35**: 23–30. Also Med. & cir. guerra, 1949, **11**: 1–13.—**Nordman, C., & Bonhomme, J.** De l'utilisation des indisciplinés en temps de guerre. Ann. méd. psychol., Par., 1916–17, 10. ser., **7**: 490–3; Disc., 519; 525.—**Rheingold, J. C.** Constitutional pathologic state and military fitness. War Med., Chic., 1944, **5**: 361–4.—**Schneider, K.** The problem of psychopaths with the field army. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 204–15.—**Sèze, S. de, Dupré, L., & Martin, P.** Le problème de l'utilisation des pervers instinctifs dans l'Armée en temps de guerre. Bull. méd., Par., 1940, **54**: 136–40.

—— Veterans.

FRANK, J. D. Management of emotional reactions in patients with somatic disease. 11p. 27cm. Wash., 1947.

Forms Techn. Bull. TB 10–35, U. S. Veterans Admin.

Angrove, R. H. Psychopathic disorders among ex-service men. Canad. M. Ass. J., 1930, **22**: 515–7.

PSYCHOPATHOLOGY.

See also **Criminal,** Psychopathology; **Neurosis,** Psychopathology; **Psychiatry.**

Fernández Sanz. Psicopatología de la guerra. Prog. clín., Madr., 1917, **9**: 100; 209.—**Jelliffe, S. E.** The immediate and remote effects of the World War on the nervous system; psychopathology and war residuals. Rapp. Congr. internat. méd. pharm. mil., 1931, 6. Congr., **1**: 273–89.—**Rosenstein, L.** [Diagnosis and psychopathology of the contused; on the methods of studying the psycho-pathology of war] Sovrem. psikhiat., 1916, **10**: 470–93.—**Sereisky, M.** Psikhopatologićeskie sindromy. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 974–81.—**Sodre, F.** Psicopatologia de guerra. Arq. Serv. nac. doenç. ment., Rio, 1943, 413–42.—**Stockert, F. G.** Die psychopathologischen Reaktionen bei Kriegsbeginn. Münch. med. Wschr., 1940, **87**: 110.—**Vallejo Nágera, F.** Contribución al estudio de la psicopatología del soldado asalariado. Siglo méd., 1932, **89**: 181.

PSYCHOSIS.

See also **Bombardment,** Biological effect; **Neuropsychiatric casualty; War psychosis.**

NELKEN, J. W. Udawanie zaburzeń psychicznych a służba wojskowa. 24p. 24cm. Warsz., 1926.

Ackerman, N. W. Psychiatric disorders in servicemen and veterans. Am. J. Orthopsychiat., 1945, **15**: 352–60.—**Amenitsky, D.** Voennye psikhozy. In: Bolsh. med. encikl., 1928, **5**: 537–41.—**Armstrong, J.** Mental disorders in the Armed Forces. Univ. Toronto M. J., 1941–42, **19**: 147–51.—**Coon, G. P.** Principal psychoses. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 232–70.—**Crinon, J.** Les éclopés psychiques. Caducée, Par., 1916, **16**: 115.—**Gudden, H.** Geistesstörungen. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 140–57.—**Gurevich, M., & Sereisky, M.** Psikhozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 962–9.—**Klaesi.** Psychopathien und Psychosen im Militärdienst. Praxis, Bern, 1943, **32**: 306.—**Manfredini, J.** As doenças mentais e o serviço militar. Arq. brasil. med. nav., 1941, **2**: 333–72.—**Menninger, W. C.** The psychoses. In his Psychiat. in a Troubled World, N. Y., 1948, 164–74.—**Schmidt, W.** Geisteskrankheiten. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 227–35.—**Sereisky, M. J.** Psikhićeskie zabolevanija. In: Med. sprav. feldsher. (Kolesnikov, N. V.) Moskva, 1950, 164–73.—**Snezhnevsky, A., & Felinskaia, N.** Psikhićeskie bolezni. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 951–8.—**Timofeev, N.** Psikhićeskij bolnoj. Ibid., 958–60.—**Trocello, E.** Vita di guerra e malattie mentali. Rass. clin. ter., 1929, **28**: 123–7.—**Will, G. W.** An alienist's point of view. J. R. Army M. Corps, 1938, **71**: 177–81.—**Zolotow, M.** Mental diseasc. In: Science Yearb. (Ratcliff, J. D.) N. Y., 1945, 58–65.

—— acute.

Klow, S. D. Acute psychosis in selectees. Illinois M. J., 1943, **83**: 125–30.—**Mevlûd Doğantug.** Periyodik, hâd hezeyan şeklinde bir sar'a muadili vak'asi. Askerî sihhiye mecmuasi, 1942, **71**: 75–7.—**Osmond, H.** Acute mental illness at sea; a study of 50 cases. J. R. Nav. M. Serv., 1947, **33**: 80–92.—**Porter, W. C.** Acute psychotic episodes and acute confusional turmoil states in soldiers. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 225–31.—**Snezhnevsky** [Acute delirious episodes] Nevropat. psikhiat., 1943, **12**: No. 5, 53.—**Stearns, A. W.** Acute psychoses and acute confusional states in the military service. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 83–8.

—— Army.

Brill, N. Q., & Walker, E. F. Psychoses in the Army; follow-up study. Bull. U. S. Army M. Dep., 1944, No. 79, 108–15.—**Duval, A. M.** Psychoses in officers in World War II. Pennsylvania M. J., 1943–44, **47**: 712–4. Also War Med., Chic., 1944, **5**: 1–5.—**Edwards, A. T., & Henry, C.** Mental disorder among soldiers. Med. J. Australia, 1943, **1**: 448.—**Herskovitz, H. S.** Psychiatric aspects of service men transferred to the Norristown State Hospital. Ment. Health Bull., Danville, 1943, **21**: 11–4.—**Jones, W. L.** Psychogenic illness in regimental practice. Brit. M. J., 1942, **2**: 338–40.—**Roberts, W. W., & Moore, J. N. P.** Mental illness among army officers; a survey of admissions to a military psychiatric hospital. Brit. J. Social M., 1947, **1**: 135–47.—**Sinclair, A. J. M.** Psychotic states in soldiers. Proc. R. Australas. Coll. Physicians, 1946, **1**: 21–6.—**Winston, E.** Mental disease and the Army. Ment. Hyg. Bull., Alb., 1935, **19**: 281–8.

—— Classification.

Bondarev, N. I. [The classification of psychoses in the Army] Voen. san. delo, 1942, No. 7, 39–41.—**Grelinger, H.** [Classification and revision of military-mental patients with the aid of a statistical survey] Ned. tschr. geneesk., 1940, **84**: 150–9.

—— Complication.

Hansen, H. Clinical significance of pyuria and albuminuria in psychotic patients. U. S. Veterans Bur. M. Bull., 1929, **5**: 974–8.—**Huddleston, J. H.** The range of sexual normality in psychiatric case histories. Ibid., 1926, **2**: 366–8.—**Nelken, J.** [Erysipelas as complication of mental diseases] Lek. wojsk., 1932, **19**: 689–714.—**Will, G. W.** Notes on some organic conditions associated with mental disease. J. R. Army M. Corps, 1937, **69**: 318–22.

—— Dementia praecox.

SHURLEY, J. T., & BOND, E. D. Insulin shock therapy in schizophrenia. 27p. 27cm. Wash., 1948.

Forms Techn. Bull. TB 10–501, U. S. Veterans Admin.

Baganz, C. N. One year's experience with the pharmacological shock therapy of chronic schizophrenia. Med. Bull. Veterans Admin., 1938–39, **15**: 99–107. ——— The value of the shock treatment of chronic schizophrenia. Ibid., 1939–40, **16**: 326–30.—**Barker, P. P.** Insulin shock therapy in chronic schizophrenia. Ibid., 53–60.—**Bartemeier, L. H.** Schizoid personality and schizophrenia. War Med., Chic., 1941, **1**: 675–81.—**Boven, W.** Schizophrénie et assurance militaire. Rev. méd. Suisse rom., 1941, **61**: 664–7.—**Caldwell, J. M.,** jr. Schizophrenic psychoses; report of 100 cases in the U. S. Army. Am. J. Psychiat., 1940–41, **97**: 1061–72.—**Davis, J. E.** Comparison of recreational activities of dementia praecox veterans of World War One and World War Two. Occup. Ther. Rehabil., 1943, **22**: 255–61.—**Duval, A. M., & Hoffman, J. L.** Dementia praecox in military life as compared with dementia praecox in civil life. War Med., Chic., 1941, **1**: 854–62.—**Garmany, G.** Schizophrenia in the Forces. J. Ment. Sc., Lond., 1946, **92**: 801–7.—**Gurvich, B. R.** Osobennosti klinićeskoj kartiny i tećenija schizofrenii, vyjavlennoi travmami voennogo vremeni. Nevropat. psikhiat., 1947, **16**: No. 2, 62–5.—**Haynes, H. J., & Carlisle, C. L.** The treatment of schizophrenia with desoxycorticosterone acetate. Med. Bull. Veterans Admin., 1941–42, **18**: 141; 1942–43, **19**: 402.—**Hendricks, R. C.** Schizophrenia

in three brothers. U. S. Nav. M. Bull., 1944, **42**: 1097–101.—**Hill, J. M., & Hildreth, H. M.** Hidden dementia praecox. Ibid., **43**: 483–9.—**Kläsi, J., Maier, H. W.** [et al.] Schizophrenie und Militärdienst; versicherungsrechtliches Gutachten. Schweiz. Arch. Neur. Psychiat., 1939, **44**: 353–400.—**Kōtō, K.** Seisen-bunretu-byō no Cardiazol keiren ryōhō ni tuite [The method of curing schizophrenia by convulsions caused by cardiazol] Gun idan zassi, 1940, 629–36.—**Leyberg, J.** Afekt patologiczny i wpływ jego na kształtowanie się psychoz schizofrenicznych w czasie wojny. Lek. wojsk., 1941, **34**: 185.—**Lowry, E. F.** Pathology of schizophrenia. U. S. Nav. M. Bull., 1940, **38**: 193–201.—**McClintock, E. A.** Experience with the insulin therapy of schizophrenia. Med. Bull. Veterans Admin., 1939–40, **16**: 97–105.—**McDaniel, F. L., & Hogan, B. W.** Pharmacological shock therapy in the psychoses with case reports. U. S. Nav. M. Bull., 1939, **37**: 52–61.—**Malamud, W., & Malamud, I.** A socio-psychiatric investigation of schizophrenia occurring in the Armed Forces. Psychosomat. M., 1943, **5**: 364–75.—**Mascarino, E., & Goode, D.** Reading as a psychological aid in the hypoglycemic treatment of schizophrenia. Med. Bull. Veterans Admin., 1940–41, **17**: 61–5.—**Osterheld, R. G.** Metrazol therapy in schizophrenia. U. S. Nav. M. Bull., 1940, **38**: 201–6.—**Parsons, E. H., Simon, A., & Lebensohn, Z.** Treatment of dementia praecox by pharmacological shock. Mil. Surgeon, 1939, **85**: 508–14.—**Pasqualini, R. Q., & Querol, H. E.** La insulinoterapia en la esquizofrenia. Rev. san. mil., B. Air., 1938, **37**: 105–9.—**Paster, S., & Holtzman, S. C.** Experiences with insulin and electroshock treatment in an Army general hospital. J. Nerv. Ment. Dis., 1947, **105**: 382–96.—**Pera, G.** A proposito di dipendenza da causa di servizio della schizofrenia. Riv. med. aeronaut., 1948, **11**: 573–6.—**Pisenti, G.** Di una superperizia fatta per conto del Tribunale federale svizzero delle assicurazioni sui possibili rapporti fra schizofrenia e vita militare. Gior. med. mil., 1940, **88**: 679; 772.—**Simon, W.** Vasospasm of the radial arteries in schizophrenia; report of two cases. Mil. Surgeon, 1947, **101**: 290–3. ——— Schizophrenia; fundamental concepts of eight noted psychiatrists. Ibid., 1949, **105**: 375–81.—**Stockings, G. T.** Schizophrenia in military psychiatric practice. J. Ment. Sc., Lond., 1945, **91**: 110–2.—**Thom, D. A.** Schizoid and related personalities. War Med., Chic., 1941, **1**: 410–7.—**Trillot, J.** Diagnostic tardif d'un état schizophrénique chez un jeune engagé; attribution d'une pension militaire. Ann. méd. lég., 1939, **19**: 672–6.—**Villaneuva, L. F., & Pigem Serra, J. M.** Tratamiento de la esquizofrenia por el cardiazol. Rev. españ. med. cir. guerra, 1940, **4**: 285–98.—**Wahl.** Schizophrénie et expédition militaire. C. rend. Congr. alién. neur. France, 1934, 38. Congr., 462–6.—**Wyss, R.** Die schizophrenen Militärpatienten der Waldau 1939–44; Beitrag zur Frage der Bedeutung exogener Einflüsse auf Ausbruch und Verlauf der Schizophrenie. Mschr. Psychiat., 1947, **113**: 153–82.

—— depressive.

See under **Neurosis.**

—— Diagnosis.

United States. Navy. Bureau of Medicine and Surgery. Navmed 1141: Diseases of the mind; class 15 titles of the diagnostic nomenclature. 21p. 24cm. Wash., 1947.

Bondarev, N. I. [Difficulties of army physicians in cases of psychiatric diagnosis (Red Army)] Voen. med. J., Moskva, 1931, **2**: 500–6.—**Brown, L. M.** Pitfalls in psychiatric examinations. Med. Bull. Veterans Admin., 1935–36, **12**: 288–92.—**Catalano, E.** Un metodo semplice per avvalorare la diagnosi di simulazione delle malattie mentali. Gior. med. mil., 1938, **86**: 56–63.—**Dillon, F.** Simulated mental disorders among soldiers in the late war. Lancet, Lond., 1939, **2**: 706–9.—**Hyman, B. M.** The use of euphthalmine in eye examinations of psychotic patients. Med. Bull. Veterans Admin., 1942–43, **19**: 531.—**McCartney, J. L.** Principles underlying the diagnosis and treatment of psychiatric cases. U. S. Nav. M. Bull., 1937, **35**: 444–52.—**Mikulski, K.** [Vernes reaction in mental diseases] Lek. wojsk., 1931, **18**: 118–28.—**Różanski, F.** [Examination of mentally diseased] Ibid., 1929, **14**: 513–6.—**Shakin, M. I., & Skalskaia, V. V.** [Reaction to vestibular irritants in mental diseases] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 97–112.—**Simon, B.** Comparison of the initial psychotic manifestations of veterans and civilians. Psychiat. Q. Suppl., 1946, **20**: 245–52.—**Simoneit.** Der Psychiater auf der psychologischen Prüfstelle. Deut. Militärarzt, 1939, **4**: 201–5.—**Will, O. A., jr.** A consideration of the significance of hallucinations. U. S. Nav. M. Bull., 1947, **47**: 622–33.

—— Etiology.

See also **Neurosyphilis,** Clinical types.

Lowitzsch, P. Ueber Malaria-Psychosen. 7p. 30cm. n. p., 1942.

Stockings, G. T. The metabolic brain diseases and their treatment in military and civilian practice. 262p. 22cm. Lond., 1947. Also Balt., 1947.

Costedoat, A. L. D. Les recherches biologiques en psychiatrie. Arch. méd. pharm. mil., 1935, **103**: 1–47.—**Douglas-Wilson, I.** Minor psychological disturbances in the services. J. R. Army M. Corps, 1943, **81**: 283–8.—**Gordon, G. J., & Zimbler, M.** Mental illness and military service. Delaware M. J., 1943, **15**: 77–81.—**Hitschman, M., & Yarrell, Z.** Psychoses occurring in soldiers during the training period. Am. J. Psychiat., 1943–44, **100**: 301–5.—**Kirman, B. H.** Mental disorder in released prisoners of war. J. Ment. Sc., Lond., 1946, **92**: 808–13.—**Lemere, F., & Greenwood, E. D.** Ratio of voluntary enlistment to induction in the various types of neuropsychiatric disorders. Am. J. Psychiat., 1943–44, **100**: 312.—**Mergener, J. C.** Psychosis following administration of quinacrine hydrochloride for malaria; neuropsychiatric study of a case. War Med., Chic., 1945, **8**: 250–2.—**Rosenzweig, S., & Kogan, K. L.** Psychotic reaction to military service. In their Psychodiagnosis, N. Y., 1949, 271–86.—**Segal, M. E.** Alcoholic psychosis. Med. Bull. Veterans Admin., 1941–42, **18**: 297–300.—**Sutherland, G. F., & Barnes, M. E.** Furlough psychosis. Am. J. Psychiat., 1945–46, **102**: 670–3.—**Vallejo Nágera, A.** Psicosis colectiva de criminalidad. In his Locura & guerra, Vallad., 1939, 195–205.—**Wallenberg, M.** The influence of the draft on the formation of psychoses in women. Illinois M. J., 1944, **85**: 25–9.—**Wolfson, N. M.** Ob osobennostiakh teċenija maliarijnykh psikhozov v uslovijakh voennogo vremeni. Tr. Severo-Oset. gosud. med. inst., Dzaudzhikau, 1949, No. 2, 19–26.

—— Forensic aspect.

Benon, R. Asthénie et manie, médecine légale militaire, fait de service. Ann. hyg., Par., 1920, 4. ser., **34**: 346–51.—**Brand, C. E.** The issue of insanity in the administration of military justice. J. Crim., Chic., 1941–42, **32**: 331–9.—**Duarte Ribeiro, G.** Conceito de alienação mental e de paralisia na interpretação dos arts 208 e 215 do código de vencimentos e vantagens dos militares do exército. Rev. med. mil., Rio, 1940, **29**: 531–6.—**Ekblad, M.** Psykisk abnormitet hos de bestraffade bland flottans värnpliktiga. Tskr. mil. hälsov., 1945, **70**: 81–101.—**Ferrio, C.** Il quesito della pericolosità sociale nella perizia psichiatrica; con particolare riguardo ai nuovi codici penali militari. Arch. anthrop. crim., Tor., 1942, **62**: 171–201.—**Giarrusso, G.** Frenastenie e frenopatie in medicina legale militare. Gior. med. mil., 1931, **79**: 441–52.—**Reglamento para** regular la situación, sueldos y personalidad jurídica en el ejército, de los presuntos dementes. Rev. españ. med. cir. guerra, 1942, No. 42, Suppl., 1–8.—**Sacerdote, A.** Considerazioni sopra 755 perizie psichiatriche eseguite all'ospedale militare principale di Torino. Gior. med. mil., 1929, **77**: 256–69.—**Schmidt, W.** Fragen der ärztlichen Beurteilung und Begutachtung; Geisteskrankheiten. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 273–80.—**Viola, D.** Inabilità psichica al servizio militare e responsabilità penale. Gior. med. mil., 1938, **86**: 860–3.—**Weiler, K.** Zur Beurteilung der Frage der Wehrdienstbeschädigung bei den häufigsten seelischen und nervösen Störungen. Deut. Militärarzt, 1940, **5**: 353–8. Also Med. Klin., Berl., 1940, **36**: 1227 (Abstr.)

—— Incidence.

Dynes, J. B. Mental disorder in the C. C. C. camps. Ment. Hyg., Alb., 1939, **23**: 363–70.—**Sims, M.** A comparative study of disease incidence in admissions to a base psychiatric hospital in the Middle East. J. Ment. Sc., Lond., 1946, **92**: 118–27.—**Stevens, H.** Psychoses among women government workers in wartime. Am. J. Psychiat., 1945–46, **102**: 260–2.

—— manic-depressive.

See also **Neurosis,** Depressive state.

Eaton, R. G. Treatment of excited states in the mentally ill ex-soldier. U. S. Veterans Bur. M. Bull., 1926, **2**: 932–9.—**Timofeev, N.** Maniakalno-depressivnyj psikhoz. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 646–8.

—— Navy.

Aldrich, C. K., & Coffin, M. Clinical studies of psychoses in the Navy; prediction values of social histories and the Harrower-Erickson test. J. Nerv. Ment. Dis., 1948, **108**: 36; 142.—**Charpentier, P. L.** Les anormaux psychiques dans la marine. Arch. méd. pharm. nav., 1929, **119**: 169; 321.

—— Paranoia.

Carlisle, C. L. Paraphrenia; its general consideration in relation to schizophrenia. U. S. Veterans Bur. M. Bull., 1927, **3**: 676–86.—**Rosen, H., & Kiene, H. E.** The paranoiac officer and the officer paranee. Am. J. Psychiat., 1946–47, **103**: 614–21.—**Vallejo Nágera, A.** Reacción paranoide colectiva. In his Locura & guerra, Vallad., 1939, 227–31.—**Wolfson, N. M.** Depressivno-paranoidnye reakcii voennogo vremeni. Tr. Severo-oset. gosud. med. inst., Dzaudzhikau, 1948, 145–9.

—— Pathogenesis.

See also subheading (Etiology)

Amdur, M. K., & Gainsberg, S. T. Folie à deux. Med. Bull. Veterans Admin., 1938–39, **15**: 277–9.—**Barondes, R. de R., Kuhns, R. H.** [et al.] The psychotic states; correlations of biochemical and histologic changes in the brain. Mil. Surgeon,

1949, 104: 278–85.—**Costedoat, A. L. D.** L'étude des maladies mentales chez les militaires condamnés. Arch. méd. pharm. mil., 1934, 101: 1–21.—**Fridman, B. D.** O klinićeskikh osobennostiakh ekzogennykh psikhozov voennogo vremeni. Tr. Severo-oset. gosud. med. inst., Dzaudzhikau, 1949, No. 2, 5–8.—**Hamel, J., Edert & Dumont.** Psychoses chez les mobilisés. Rev. méd. Nancy, 1938, 66: 982–92.—**Markuszewicz, R.** Flucht in die Krankheit und Selbsterhaltungstrieb. Jahrb. Psychiat. Neur., Wien, 1930, 47: 149–70.—**Prout, C. T.** Psychiatric reactions to war-time stress as seen in members of the Armed Services, referred to a private mental hospital. Psychiat. Q., 1946, 20: 434–46. **Riggall.** The psychoanalytical interpretation of a mental illness. J. R. Nav. M. Serv., 1922, 8: 210–2.—**Sauter.** Psychische Störungen im Dienste. Vjschr. schweiz. Sanitätsoff., 1939, 16: 42–6.—**Sillevaerts, C.** Les psychoses chez les mobilisés. Bruxelles méd., 1939–40, 20: 525.—**Vallejo Nágera, A.** La reacción timógena y las neurosis psicotícmicas de guerra. In his Locura & guerra, Vallad., 1939, 99–111.—**Wolfson, N. M.** Ob osobennostiakh ekzogennykh psikhozov voennogo vremeni s amentivnym sindromom. Tr. Severo-oset. gosud. med. inst., Dzaudzhikau, 1949, No. 2, 27–36.

—— Prevention.

See also **Mental hygiene; Psychological service.**

Biagini, G. La profilassi per la vita associata dell'esercito; selezione degli anomali psichici. Gior. med. mil., 1933, 81: 179–89.

—— traumatic.

See also **War psychosis,** traumatic.

Denny-Brown, D. Posttraumatic syndromes. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 457–67.—**Fox, T. H.** Psychoses following trauma. Mil. Surgeon, 1940, 86: 178–84.—**Manfredini, J.** A psiquiatria traumatica; ensaio de sistematização clínica. An. Hosp. centr. exerc., Rio, 1939, 4: 89–114.—**Steinberg, M.** Traumatic psychosis. Med. Bull. Veterans Admin., 1931, 7: 826–32.

—— Treatment.

See **Psychotic,** Treatment.

—— by countries.

Costedoat, A. L. D. Les troubles mentaux des militaires indigènes musulmans de l'Afrique du Nord. Arch. méd. pharm. mil., 1934, 101: 231–52.—**Kepecs, J. G.** Psychiatric disorders in Puerto Rican troops. War Med., Chic., 1945, 8: 244–9.—**Runderlass** des Reichsministers des Innern und des Reichsarbeitsministers, betr. Betreuung geisteskrank gewordener Soldaten durch die Fürsorgeverbände. Reichsgesundhbl., 1943, 18: 75.—**Sauter.** Psychiatry in militia troops. Bull. internat. Serv. santé, Liége, 1937, 10: 670–3.

—— in wartime.

See **War psychosis.**

PSYCHOSOMATIC medicine.

See also **Neurosis; Psychosomatosis.**

American Society for Research in Psychosomatic Problems. Proceedings of the military session, May 9th, 1943. 41p. 25½cm. N. Y., 1943.

Also Psychosomat. M., 1943, 5: No. 4.

Alexander, F. Psychosomatic research in psychiatry. In: Psychiatry & War (Sladen, F. J.) Springf., 1943, 125–35.—**Bailey, A. A.** Psychosomatic medicine. J. Canad. M. Serv., 1945–46, 3: 227–34.—**Davidson, H. A.** Orientation to psychosomatics. Mil. Surgeon, 1947, 100: 47–50.—**Hamburger, W. W., jr.** Psychosomatic medicine in an Army hospital in India. Psychosomat. M., 1947, 9: 124–30.—**Hamilton, K. A.** Place of psychosomatic medicine in D. V. A. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 3, 53–7.—**Lyra, I. C. O.** Medicina psico-somática e o futuro da psiquiatria. Arq. brasil. med. nav., 1947, 8: 1229–35.—**Menninger, W. C.** Psychosomatic medicine on general medical wards. Bull. U. S. Army M. Dep., 1945, 4: 545–50.—**Moreno, M.** La doctrine psycho-somatique. Caducée, Port-au-Prince, 1948, No. 35, 9.—**Pignataro, F. P.** Psychosomatic medicine in military practice. Mil. Surgeon, 1941, 89: 632–8.—**Weiss, E.** Psychosomatic aspects of medical practice in wartime. Med. Clin. N. America, 1943, 27: 1633–40. ——— & **English, O. S.** Military medicine. In their Psychosomat. Med., Phila., 1943, 511–25.

PSYCHOSOMATOSIS.

See also **Neurosis; Psychotherapy; War neurosis;** also names of diseases of functional nature as **Peptic ulcer,** Pathogenesis; **Personality,** Disorder, etc.

Allen, E. V. Functional somatic complaints in the Army; consideration by an internist. Nebraska M. J., 1944, 29: 278–83.—**Aramă, O., & Lupulescu, I.** Considérations sur l'hystérie, les simulations et les troubles fonctionnels dans le millieu militaire. Rev. san. mil., Bucur., 1937, 36: 563.—**Barnacle, C. H.** Functional somatic complaints in the Army; consideration by a psychiatrist. Nebraska M. J., 1944, 29: 274–8.—**Caveny, E. L.** Emotion, the etiologic relation to illness. U. S. Nav. M. Bull., 1947, 47: 421–8.—**Chapman, A. S.** Psychosomatic disorders. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 98–101.—**Freeman, H., Rodnick, E. H.** [et al.] The carbohydrate tolerance of mentally disturbed soldiers. Psychosomat. M., 1944, 6: 311–7.—**Johnson, M. E.** Psychosomatic problems in an Army general hospital. J. Oklahoma M. Ass., 1946, 39: 201–8.—**Miller, H., & Baruch, D. W.** Psychosomatic symptoms resulting from the impact of war; observations in civilian medical practice. Am. J. Dis. Child., 1949, 77: 703–8.—**Myerson, A.** Psychosomatic disorders. War Med., Chic., 1941, 1: 404–9.—**Parland, O.** Shock therapy for soldiers suffering from psycho-somatic disturbances during the war. Acta psychiat. neur., Kbh., 1947, Suppl. 47, 511–23.—**Rowntree, L. G.** Psychosomatic disorders as revealed by 13,000,000 examinations of selective service registrants. Psychosomat. M., 1945, 7: 27–30.—**Shoemaker, D.** War and psychosomatic disease. Q. Chicago M. School, 1944–45, 6: No. 3, 6.—**Smith, L. H.** Selective service psychiatry; psychosomatic disorders. Psychiatry, Balt., 1941, 4: 241–9.—**Somatization** reactions. Bull. U. S. Army M. Dep., 1946, 5: 640–2.—**Study** of psychosomatic dermatological syndromes. Ibid., 18–20.—**Torrie, A.** Psychosomatic casualties in the Middle East. Lancet, Lond., 1944, 1: 139–43.

PSYCHOSURGERY.

See also **Neurosurgery.**

United States. Veterans Administration. Technical bulletin TB 10A–30: Operation of prefrontal leukotomy [1] p. 27cm. Wash., 1947.

Elliott, H., Albert, S., & Bremmer, W. Criteria to guide in selection of patients for prefrontal leukotomy. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 3, 32–5.—**Freeman, W., & Watts, J. W.** Psychosurgery. Bull. U. S. Army M. Dep., 1948, 8: 434.—**Ventura, V. E.** La cura chirurgica di alcune psicosi con la leucotomia prefrontale alla Moniz. Gior. med. mil., 1938, 86: 730–6.—**Waugh, O. S., Cameron, H. F.** [et al.] Prefrontal leucotomy for intractable pain. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 3, 5–12.

PSYCHOTECHNICS.

See also **Motor system; Psychomotor test.**

Cassinis, U. La psicotecnica al servizio dell'esercito. Gior. med. mil., 1941, 89: 424–30. Also Schweiz. med. Wschr., 1941, 71: 1629 (Abstr.)—**Furtado, D.** Psicotécnica na arte militar. Bol. Dir. serv. saúde mil., 1941, 4: 23–41.—**Jesinghaus, C.** La psicotecnia militar en el Congreso de psicologia de Tuebingen. Rev. mil., B. Air., 1935, 35: pt 2, 93–7.—**Jivkovich, J.** [Psychotechnique in the Army, Navy and Air Force] Voj. san. glasnik, 1937, 8: 13–43.—**Mls, J.** Emploi de la psychotechnique dans l'Armée. Sess. Off. internat. docum. méd. mil., 1937, 7. Sess., 175–91.—**Rodríguez Cano, A.** Psicotecnia; algunas observaciones de orden prático. Ejército, Madr., 1943, No. 40, 31–7.—**Silva Brêtas, A. da.** Psicotécnica no exército. Rev. med. mil., Rio, 1940, 29: 337–45.

PSYCHOTHERAPY.

See also **Disciplinary barracks; Narcoanalysis; Narcosynthesis; Neurosis,** Treatment; **Psychoanalysis; Psychodrama; Psychosomatic medicine; War neurosis,** Treatment.

Huddleson, J. H. Psychotherapy in two hundred cases of psychoneurosis. Mil. Surgeon, 1927, 60: 161–70.—**Konstorum, S.** Psikhoterapija. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 981–4.—**Stekel, W.** Active psychotherapy in wartime. In: Individ. Psychol. M. Pamphl., Lond., 1943, No. 23, 21–7.—**Straker, M.** The meaning of psychotherapy. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 5, 21–7.—**Whitehorn, J. C.** Individual issues in postmilitary psychotherapy. Arch. Neur. Psychiat., Chic., 1944, 51: 580.

—— group.

United States. War Department. Technical bulletin TB MED 103: Group psychotherapy. 7p. 26cm. Wash., 1944.

Abrahams, J., & McCorkle, L. W. Group psychotherapy at an Army Rehabilitation Center. Dis. Nerv. Syst., 1947, 8: 50–62.—**Ackerman, N. W.** Group psychotherapy with veterans. Psychosomat. M., 1946, 8: 118.—**Albert, S., & Moll, A. E.** Group psychotherapy; preliminary report. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 7, 38–40.—**Cohen, R. A.** Military group psychotherapy. Ment. Hyg., Alb., 1947, 31: 94–102.—**Cohen, R. R.** Factors in adjustment to Army life; a plan for preventive psychiatry by mass psychotherapy. War Med., Chic., 1944, 5: 83–91.—**Dynes, J. B., & Hamilton, F. J.**

Group therapy of psychiatric war casualties. U. S. Nav. M. Bull., 1945, 44: 549–57.—**Friend, M. R., & Olinick, S. L.** Therapy through a group of neurotic soldiers in an experimental military setting. Am. J. Orthopsychiat., 1945, 15: 483–8. ——— Indirect group therapy of psychoneurotic soldiers. Psychiatry, Balt., 1945, 8: 147–53.—**Friend, M. R., & Sullivan, W. F.** Group psychotherapy in an Army general hospital relating to civilian readjustment. Am. J. Orthopsychiat., 1947, 17: 254–65.—**Grossman, M.** A group therapy program in a neuropsychiatric hospital. Med. Bull. Veterans Admin., 1944–45, 21: 149–70.—**Grotjahn, M.** Experience with group psychotherapy as a method of treatment for veterans. Am. J. Psychiat., 1946–47, 103: 637–43.—**Group** psychotherapy. Bull. U. S. Army M. Dep., 1945, 4: 347.—**Hadden, S. B.** Post-military group psychotherapy with psychoneurotics. Ment. Hyg., Alb., 1947, 31: 89–93.—**Hamilton, F. J.** Group psychotherapy in military medicine. Northwest M., 1944, 43: 247–52.—**Hulse, W. C.** Group psychotherapy during and after the war. Proc. Rudolf Virchow M. Soc. N. York, 1947, 6: 106–16. ——— Group psychotherapy with soldiers and veterans. Mil. Surgeon, 1948, 103: 116–21.—**Johnson, N. B.** Group therapy in a hospital library. Med. Bull. Veterans Admin., 1943–44, 20: 207–9.—**Kline, N. S., & Dreyfus, A.** Group psychotherapy in Veterans Administration hospitals. Am. J. Psychiat., 1947–48, 104: 618–22.—**Klopfer, W. G.** The efficacy of a group therapy as indicated by group Rorschach records; effect of a convalescent hospital's neuro-psychiatric treatment program on a group of soldiers in an anxiety state. Rorschach Res. Exch., 1945, 9: 207–9.—**Paster, S.** Group psychotherapy in an Army general hospital. Ment. Hyg., Alb., 1944, 28: 529–36.—**Perlman, B.** Group work with psychotic veterans. Am. J. Orthopsychiat., 1949, 19: 69–78.—**Rew, K. G.** The patient's evaluation of group therapy. Mil. Surgeon, 1949, 105: 389–95.—**Robinson, J. T.** Group therapy and its application in the British Army to-day. J. R. Army M. Corps, 1948, 91: 66–79.—**Rome, H. P.** Military group psychotherapy. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 562–9. Also Am. J. Psychiat., 1944–45, 101: 494–7.—**Shaskan, D. A.** The development of group psychotherapy in a military setting. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, 25: 311–5. ——— & **Jolesch, M.** War and group psychotherapy. Am. J. Orthopsychiat., 1944, 14: 571–7.—**Stein, M. I.** Visual aids in group psychotherapy for veterans with psychosomatic complaints. J. Clin. Psychol., 1948, 4: 206–11.—**Teicher, J. D.** Experiences with group psychotherapy. U. S. Nav. M. Bull., 1945, 44: 753–5.—**Weinberg, J.** Group psychotherapy as developed in a military setting; its application to civilian therapy. Psychiat. Q., 1946, 20: 470–84.

—— Methods.

Closson, J. H., & Hildreth, H. M. Experiment in psychotherapy during selection examining. U. S. Nav. M. Bull., 1944, 43: 39–43.—**Exton, P., & Nelson, B.** Marionettes in an Army general hospital. Occup. Ther. Rehabil., 1946, 25: 5.—**Flatau, G.** Psychotherapie unter Berücksichtigung von Kriegserfahrungen. Med. Klin., Berl., 1917, 13: 96–9.—**Ireland, G. O.** Bibliotherapy; the use of books as a form of treatment in a neuropsychiatric hospital. U. S. Veterans Bur. M. Bull., 1929, 5: 440–5.—**Kemble, R. P.** Some uses of military authority as psychotherapy. Am. J. Orthopsychiat., 1942, 12: 462–5.—**Knapp, J. L., & Weitzen, F.** A total psychotherapeutic push method as practiced in the Fifth Service Command Rehabilitation Center, Fort Knox, Kentucky. Am. J. Psychiat., 1945–46, 102: 362–6.—**Millar, F. G. A.** Philately as a phase of bibliotherapy. Med. Bull. Veterans Admin., 1934, 10: 352–6.—**Prugh, D. G., & Brody, B.** Brief relationship therapy in the military setting. Am. J. Orthopsychiat., 1946, 16: 707–21.—**Steinau-Steinrück.** Ueber die Verwertung psychotherapeutischer Kriegserfahrungen, insbesondere über Hypnose. Zschr. ges. Neur. psychiat., 1921, 69: 209–19.

—— Organization of service.

See also **Psychological service.**

Carlson, C. C. First experiences with psychotherapy in a station hospital. Dis. Nerv. Syst., 1944, 5: 229–32.—**Crowley, R. M.** Psychotherapy; potentialities for psychotherapy on Navy hospital wards. Psychiatry, Balt., 1945, 8: 63–8.—**Cruvant, B. A.** Pragmatic psychotherapy in military training centers. Am. J. Psychiat., 1946–47, 103: 622–9.—**Langdon-Brown, W.** Planned psychotherapy in war time. Brit. M. J., 1939, 2: 783.—**Miller, M. L.** Brief psychotherapy in a preflight training center of the Air Corps. Proc. Brief Psychother. Counc., 1944, 2. Counc., 1: 20–8.—**Murray, J. M.** Some special aspects of psychotherapy in the Army Air Forces. Ibid., 1–5. Also Psychosomat. M., 1944, 6: 119–22.—**Pearson, M. M., & Cohen, R. A.** Psychotherapy in a naval convalescent hospital. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, 25: 181–7.—**Stone, B. H.** The role of the unit surgeon, with a note on the value of brief psychotherapy at sick call. Bull. U. S. Army M. Dep., 1947, 7: 845–56.

—— Veterans.

Blackman, N. Psychotherapy in a Veterans Administration mental hygiene clinic. Psychiat. Q., 1948, 22: 89–102.—**Bloomberg, W., Silverman, S.** [et al.] An intensive neuropsychiatric treatment program in a Veterans Hospital. Am. J. Psychiat., 1948–49, 105: 204–10.—**Rodier, R. E.** Prescribed reading in a Veterans' Administration hospital. Med. Bull. Veterans Admin., 1941–42, 18: 80–2.

PSYCHOTIC.

See also **Air evacuation; Neuropsychiatric examination,** Findings; **Psychosis; War psychosis.**

Bluemel, C. S. War, politics, and insanity. 121p. 21cm. Denver, 1948.

Billings, E. G., Ebaugh, F. G. [et al.] Comparison of 100 Army psychiatric patients and 100 enlisted men. War Med., Chic., 1943, 4: 283–98.—**Dickerson, D. G.** Neurological studies in psychotic cases. U. S. Veterans Bur. M. Bull., 1926, 2: 223–9.—**Lucena, J.** Algumas reações psicóticas registradas em reservistas incorporados ao exército. Neurobiologia, Recife, 1947, 10: 22–36.—**Moore, G. S.** Introduction to a study of neuropsychiatric problems among negroes. U. S. Veterans Bur. M. Bull., 1926, 2: 1042–5.—**Psychiatric** out-patients in the U. K.; analysis by diagnosis, percentages of total examined; British Army, 1943–44 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 225.—**Whitmire, C. L.** The psychotic heredity of psychotics. U. S. Veterans Bur. M. Bull., 1927, 3: 439–47.—**Will, O. A., jr.** The psychotic naval prisoner. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 166–70.—**Williams, J. N.** Analysis of psychiatric patients transferred to the United States from an overseas base. U. S. Nav. M. Bull., 1944, 43: 311–5.

—— Care.

Amdur, M. K. Ground parole or freedom-therapy. Med. Bull. Veterans Admin., 1936, 13: 161–6.—**Brill, N. Q.** Army experience proves that psychiatric patients belong in a general hospital. Mod. Hosp., 1947, 68: 56.—**Brumsen, S. A. G.** [On admittance to mental institutions during war-time] Ned. tschr. geneesk., 1940, 84: 4801–4.—**Caplan, H.** An open ward in the management of psychotics. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 5, 37–43.—**Condell, L.** The library as a road to reeducation in responsibility for neuropsychiatric patients. Med. Bull. Veterans Admin., 1936, 13: 77–84.—**Dalma, G.** L'assistenza ai malati di mente durante la guerra. Notiz. ammin. san., 1948, 1: 81.—**Dancey, T. E.** The awarding of pensions on psychiatric grounds. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 2, 25–30.—**Leader, S. A.** The hospital management of the tuberculous psychotic. Rep. Conf. Veterans Admin. Physicians, 1938, 30–7.—**Leslie, F. E.** Extramural care of the mentally sick. U. S. Veterans Bur. M. Bull., 1930, 6: 943–9.—**Nouvilas, P. A.** Organización necesaria en la asistencia al enfermo mental. Rev. san. mil., Madr., 1932, 22: 5–13.—**Pollack, M.** The hospital management of the tuberculous psychotic. Rep. Conf. Veterans Admin. Physicians, 1938, 19–29.—**Rademaeker, A.** The Colony of Gheel; effects of war and present problems. Ment. Health, Lond., 1948, 8: 13–6.—**Reorganisação** da Assistencia a psychopathas no Districto Federal. Rev. med. hyg. mil., Rio, 1927, 16: 51–7.—**Robins, S. A.** Precautions in the care of psychotic patients. Med. Bull. Veterans Admin., 1943–44, 20: 202–6.—**Sleeper, F. H.** Custodial care and management of psychotic soldiers. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 584–604.—**Smith, A. C., & Chrisman, A. S.** Transportation of insane patients from Mare Island, Calif., to Washington, D. C. U. S. Nav. M. Bull., 1936, 34: 204–10.—**Smith, B. E.** Aftercare work with mental patients. U. S. Veterans Bur. M. Bull., 1930, 6: 233–8.

—— Case histories.

Deibel, A. W., & Rowe, H. R. The clinical records of mental patients. Hosp. Corps Q., 1944, 17: No. 5, 72–4.—**Reznikoff, L.** Study of case histories of 15 soldiers admitted to a mental hospital after discharge from United States Army. J. M. Soc. N. Jersey, 1943, 40: 391–5.

—— Disposition.

Alexander, L. Documents concerning the killing of adult patients of the Heil- und Pflegeanstalt, cure and care institution, i. e. State Hospital for Mental and Nervous Diseases, at Eglfing-Haar. CIOS Rep., Lond., 1945, Item 24, No. XXVIII–50, 11–5. ——— Documents concerning expert opinions which Dr Pfannmüller gave on patients selected for killing in other institutions. Ibid., 15.—**Braunmühl, A. E., Pfannmüller, H.** [et al] Execution of patients suffering from nervous or mental disease. Ibid., 7–42.—**Folly.** Nécessité de la déclaration obligatoire de tout internement antérieur avant l'entrée dans l'Armée. C. rend. Congr. alién. neur. France, 1927, 31, Congr., 473–8.—**Gray, R. C.** Minnesota soldiers discharged for mental disability. Minnesota M., 1943, 26: 791–5.—**Kleist, K.** [The extermination program of the insane] CIOS Rep., Lond., 1945, Item 24, No. XXVIII–50, 39.—**Koontz, A. R.** Keeping men with psychiatric records out of the Army. Mil. Surgeon, 1942, 91: 313.—**Liber, B.** The psychotic patient and his induction into the Army. Med. Rec., N. Y., 1943, 156: 159–

64.—**Rogers, J. A.** Disposition of insane. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 110, 1.—**Steckel, H. A., Cameron, D. E.** [et al.] Report of the Committee on Military Mobilization. Am. J. Psychiat., 1941–42, **98**: 295–8.—**Will, O. A.**, jr. Psychoses in Naval inductees with less than 15 days' active duty; need for early elimination of potentially psychotic. U. S. Nav. M. Bull., 1944, **43**: 909–21.—**Williams, F. E.** Disposition of mental cases. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 139–49.

—— Rehabilitation.

Barbato, L. Closed ward psychiatric reconditioning. Bull. U. S. Army M. Dep., 1946, **5**: 210–4.—**Carr, B. W.** Occupational therapy for psychotics. U. S. Veterans Bur. M. Bull., 1926, **2**: 362–5.—**Davis, J. E.** Exercise for the regressed types of the mentally ill. Ibid., 1929, **5**: 601–3.—**Gurari, A. L.** [Use of general physical culture therapy in mental diseases] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 249–58.—**Kepner, R. D.** Rehabilitation from the psychiatric point of view. Hawaii M. J., 1944–45, **4**: 33–5.—**Komora, P. A.** Rehabilitation of mentally wounded soldier is national problem. Welf. Bull., Springf., 1943, **34**: No. 4, 4–6.—**Leslie, F. E.** Occupational therapy for psychotic patients in midlife. Med. Bull. Veterans Admin., 1938–39, **15**: 60–4.—**Macdowel, F. L. H.** Occupation therapy in mental illness. J. R. Nav. M. Serv., 1936, **22**: 104–14.—**Miller, E.** Psychiatric aspects of rehabilitation. J. R. Army M. Corps, 1945, **84**: 54–65.—**Mosby, G. L.** Resocialization; the aim of therapy for psychotic patients. Med. Bull. Veterans Admin., 1941–42, **18**: 290. Also In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 135.—**Nouvilas, P. A.** La curación social en psiquiatria. Rev. san. mil., Madr., 1933, **23**: 132–8.—**Paster, S.** Rehabilitation of the mentally-ill veteran. Dis. Nerv. Syst., 1947, **8**: 205–11.—**Podall, H. C.** Prognosis in mental diseases, with reference to extra-mural social adjustment. U. S. Veterans Bur. Med. Bull., 1931, **7**: 39–49.—**Program** to rehabilitate men discharged for mental illness [New York City] J. Am. M. Ass., 1943, **123**: 104.—**Reconditioning** program for neuropsychiatric patients. Bull. U. S. Army M. Dep., 1945, **4**: 344–7.—**Rennie, T. A. C.** Psychiatric rehabilitation resources. Tr. Am. Neur. Ass., 1944, **70**: 39–50.—**Robbins, F. C.** Habit training of psychotic patients. Med. Bull. Veterans Admin., 1936–37, **13**: 343–5.—**Scharf, L. E.** Therapeutic approach in mental disorders through physical therapy. Ibid., 338–42.—**Smith, D. S., & Hawthorne, M. E.** Psychiatric rehabilitation; a follow-up study of 200 cases. U. S. Nav. M. Bull., 1949, **49**: 655–69.—**Stanley, J.** Habit training for psychotic patients. Med. Bull. Veterans Admin., 1936, **13**: 73–6.—**Wadsworth, M. L.** Rehabilitation problems presented by returning service men who seek psychiatric help. Ment. Hyg., 1946, **30**: 65–73.—**Woolley, L. F.** Mental disabilities resulting from war; the need for a rehabilitation program. South. M. & S., 1943, **105**: 251–4.

—— Treatment.

OZARIN, L. D. An integrated treatment program for psychiatric patients. 8p. 27cm. Wash., 1949.

Forms TB 10-504, Veterans Admin. Techn. Bull.

UNITED STATES. WAR DEPARTMENT. Technical bulletin MED 28: Treatment program for psychiatric patients in station and general hospitals. 5p. 26cm. Wash., 1944.

—— Technical bulletin MED 32: Treatment program for psychiatric patients in station and general hospitals (correction) l. 26cm. Wash., 1944.

—— Technical bulletin TB MED 84: Treatment program for psychiatric patients in station and general hospitals. 10p. 26cm. Wash., 1944. ALSO Change 1. 2p. 26cm. Wash., 1947.

Clarke, C. K. Psychiatric treatment. Spec. Bull. Mil. Hosp. Com. Canada, Ottawa, 1916, 101.—**Cullen, W.** Notes on recent advances in the treatment of psychiatric cases. J. R. Nav. M. Serv., 1947, **33**: 305–12.—**Davis, R. B.** Treatment of psychosis in Indian troops. J. Ind. Army M. Corps, 1947, **3**: 13–20.—**Dewan, J. G., & Owen, T.** Mental illness and the principles of medicine. J. Canad. M. Serv., 1944–45, **2**: 437–54.—**Gates, P. H., & Cohen, S.** Management of psychotic patients in a general hospital overseas. Bull. U. S. Army M. Dep., 1947, **7**: 484.—**Hall, J. F.** Mental Treatment Act of 1930 with application to service cases. J. R. Nav. M. Serv., 1937, **23**: 208–15.—**Malinowski, A.** [Management of mentally ill soldiers in the Army] Lek. wojsk., 1939, **33**: 39–64.—**Moore, M., & MacLean, P. D.** Treatment of mentally disturbed soldiers overseas. Bull. U. S. Army M. Dep., 1944, No. 80, 113–8.—**Psychiatric** disorders treated as in-patients in the U. K. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 221–3.—**Rennie, T. A. C., & Woodward, L. E.** Treatment of psychiatric disabilities. In their Ment. Health, N. Y., 1948, 25–34.—**Treatment** program for psychiatric patients in station and general hospitals [TB Med 84] Bull. Menninger Clin., 1944, **8**: 156–65. Also Bull. U. S. Army M. Dep., 1945, **4**: 343.

—— Treatment: Methods.

See also other subheadings (Care; Rehabilitation)

PASTER, S. Shock therapies of the psychoses. 10p. 27cm. Wash., 1948.

Forms Techn. Bull. TB 10–42, U. S. Veterans Admin.

Brown, C. P., & Borden, P. G. The effect of feeding Bacillus acidophilus in psychotic cases. U. S. Veterans Bur. M. Bull., 1929, **5**: 583.—**Brunner, R. A., & Owen, J. W.** Insulin as a sedative in treatment of psychotic patients in a tropical hospital. U. S. Nav. M. Bull., 1946, **46**: 1088.—**Charbonneau, L. O.** Care in insulin therapy. Hosp. Corps Q., 1945, **18**: No. 9, 42.—**Charlin, Gardien & Rigal.** Convulsivothérapie par électro-chocs chez les arythmiques. Bull. Soc. méd. mil. fr., 1945, **39**: 302.—**Dwyer, F., & Silver, P. M.** Optimum temperatures of the continuous bath for psychotic patients. Med. Bull. Veterans Admin., 1939–40, **16**: 268.—**Fabregues, F.** Tratamiento de urgencia de la alienación mental. Rev. san. mil. argent., 1948, **47**: 137–40.—**Fox, H. M.** Insulin for rehabilitation. Bull. U. S. Army M. Dep., 1945, **4**: 447–52.—**Funkhouser, J. B.** The symptomatic use of electric convulsive therapy for acute psychoses of military personnel. Psychiat. Q., 1948, **22**: 204–12.—**Goldfarb, W., Dorsey, J. F.** [et al.] Experiences with the pharmacologic shock therapies in the psychoses in military personnel. Am. J. Psychiat., 1945–46, **102**: 602–8.—**King, L. H.** Sakel's hypoglycemic insulin treatment of psychoses. Med. Bull. Veterans Admin., 1938–39, **15**: 141–50.—**Levy, E. M., & Zellin, M.** Treatment of psychoses by theelin. Ibid., 1940–41, **17**: 227.—**Meduna, L. J.** Shock therapies (psychotics) and shock therapy in combat syndrome; discussion. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 76–97.—**Mella, H., & O'Neil, R. T.** Intravenous administration of sodium amytal in acute psychotic episodes. Med. Bull. Veterans Admin., 1932–33, **9**: 271–5.—**Rogers, J. A.** Shock therapy in the treatment of psychiatric conditions. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 88, 1.—**Smith, L. H.** Treatment activities in war psychiatry. Am. J. Psychiat., 1944–45, **101**: 303–9.—**Solomon, H. C.** Shock therapy in the military services. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 581–4.—**Stockings, G. T.** Shock-therapy in psychoses; a possible rational basis and its clinical applications, based on three years' experience of its use in military psychiatry. J. Ment. Sc., Lond., 1944, **90**: 550–3.—**Tredgold, R.** Shock therapy in the Army. Ind. Physician, 1944, **3**: 69–75.—**Zeifert, M.** Convulsive shock therapy in an Army general hospital. Dis. Nerv. Syst., 1946, **7**: 112–5.

—— Veterans.

Blackman, N. Sequelae of military service and their treatment in a Veterans Administration mental hygiene clinic. J. Missouri M. Ass., 1948, **45**: 579–82.—**Blain, D.** Priorities in psychiatric treatment of veterans. Mil. Surgeon, 1948, **102**: 85–97.—**Burton, I. F., Eaton, M. T.**, jr, **& McMahan, H. G.** Incidence of neuropsychiatric disease in the demobilized veteran; a study of 10,000 Army separates. Am. J. Psychiat., 1946–47, **103**: 165–71.—**Campbell, J. A.** From VJ; mental disorder following service discharge. Psychiat. Q., 1946, **20**: 375–80.—**Davis, J. E.** Practical factors of the physical program for the mentally ill. U. S. Veterans Bur. M. Bull., 1930, **6**: 893–6.—**Ebaugh, F. G.** A community plan for the psychiatric treatment of veterans. Am. Practitioner, 1946–47, **1**: 41–4.—**Edwards, A. T.** Some remarks on psychotic ex-servicemen. Med. J. Australia, 1946, **1**: 738.—**Hansen, A. V.**, jr. A study of 50 veterans of World War II admitted to the Philadelphia General Hospital Psychiatric Building. Dis. Nerv. Syst., 1945, **6**: 348–50.—**Henderson, D. K., & Gillespie, R. D.** A review of service patients in a mental hospital. Glasgow M. J., 1922, **98**: 375–89.—**Hughes, J., & McLaughlin, B. E.** Psychiatric treatment of the veteran outpatient. Am. J. Psychiat., 1947–48, **104**: No. 9, 549–53.—**Malinowski, A.** [Treatment of mental diseases of retired Army men] Lek. wojsk., 1939, **33**: 296–304.—**Matz, P. B.** Outcome of hospital treatment of ex-service patients with nervous and mental disease in the United States Veterans' Bureau. U. S. Veterans Bur. M. Bull., 1929, **5**: 829–42.—**Menninger, W. C.** The mentally or emotionally handicapped veteran. Ann. Am. Acad. Polit. Social Sc., 1945. **239**: 20–8.—**Metcalfe, E. V.** Shock therapy from the D. V. A. aspect. Treatm. Serv. Bull., Ottawa, 1948, **3**: 15–22.—**Nussbaum, K., & Charen, S.** Out-patient treatment of pre-psychotic and post-psychotic veterans in a mental hygiene clinic. Psychiat. Q., 1948, **22**: 516–35.—**Paster, S., & Holtzman, S. C.** A study of 1000 psychotic veterans treated with insulin and electric shock. Am. J. Psychiat., 1948–49, **105**: 811–4.—**Simon, A., Hagan, M., & Hall, R. W.** A study of specific data in the lives of 183 veterans admitted to St. Elizabeths Hospital. War Med., Chic., 1941, **1**: 387–91.—**Sommer, C. S., & Weinberg, J.** Discharged veterans of World War II, in state hospitals and in the community. Arch. Neur. Psychiat., Chic., 1943, **50**: 105–7. Also Dis. Nerv. Syst., 1943, **4**: 70–4.—**Stalker, H.** Psychiatric states in 130 ex-service patients. J. Ment. Sc., Lond., 1944, **90**: 727–38.—**Terhune, W. B.** The psychiatric problems of the returning soldier and their medical management. Connecticut M. J., 1945, **9**: 29–36.

PTEROYLGLUTAMIC acid.

See also **Vitamin.**

Wolcott, G. The use of taka-diastase and papain in the determination of folic acid. 3p. 26½cm. Bethesda, 1948.

Forms Rep. No. 6, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Hitchcock, F. A. Metabolic effects of folic acid. Sympos. Mil. Physiol., Wash., 1947, 209–13.—**Use** (The) of taka-diastase and papain in the determination of folic acid. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 13.

PTERYGIUM.

Angius, T. Breve nota pratica sull'epitarso. Ann. med. nav., Roma, 1949, **54:** 90–2.—**Bullwinkel, H. G.** Pterygium; a simple efficient method of treatment. U. S. Nav. M. Bull., 1948, **48:** 395–8.—**Farina, F.** Eziologia e cura medica dello pterigio. Gior. med. mil., 1948, **95:** 323–30.—**Gurley, L. M.,** jr. Pterygium transplantation by simplified method. U. S. Nav. M. Bull., 1944, **43:** 1114–6.—**Pelayo y Martín del Hierro, M.** El pterigión; técnica quirúrgica personal. Rev. españ. med. cir. guerra, 1940, **5:** 263–8.—**Vicario, C.** Alterazioni anatomo-patologiche nello pterigio con particolare riguardo all'epitelio ed ai vasi. Gior. med. mil., 1936, **84:** 152–62.

PTOMAINE.

See also **Food poisoning.**

Kenny, F. H. Ptomaine poisoning on a warship. Med. J. Australia, 1915, **1:** 101.—**Koçtürk, O.** Kokuşma biyoşimisinde ptomainlerin yeri. Askerî vet. mecmuası, 1948, **26:** 21–8.

PUBIC louse.

See **Phthiriasis.**

PUBIS.

See **Pelvis.**

PUBLICATION.

Field publications. Hosp. Corps Q., 1944, **17:** 165–70.—**McAfee, L.** Board of Publications, Surgeon General's office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1:** 520–2.—**Publication** of professional papers. Army M. Bull., 1942, No. 63, 171.—**Pullmann, E. H.** Board of Publications; General Publicity Board; Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1:** 522–4.—**United** States Army publications pertaining to the Medical Department. Current List M. Liter., 1941, **1:** No. 30, 2.—**War** difficulties of medical publications. J. Am. M. Ass., 1944, **124:** 51.

PUBLIC health.

See also **Emergency medical service; Health; Health service; Manpower,** National health aspect; **National defense; Preparedness; Venereal disease,** National aspect.

Bliss, R. W. Military responsibility for civilian health in war. 4 l. 27cm. Wash., 1949.

United States. Congress. Senate. Committee on Education and Labor. Subcommittee on Wartime Health and Education. Hearings before a Subcommittee of the Committee on Education and Labor, United States Senate, Seventy-eighth Congress, second session, pursuant to S. Res. 74, a resolution authorizing an investigation of the educational and physical fitness of the civilian population as related to national defense. Pts 4–7. 4 pts. 23cm. Wash., 1944.

Wilson, W. L. Military responsibility in civil public health; civil defense; occupation. 14p. 32cm. West Point [?] 1948.

Forms Lect. 5, Dep. Mil. Hyg. U. S. Mil. Acad.

—— Current civil health affairs in the Army. l. 80–98. 27cm. Wash., 1949.

Extracted from Conference of the Surgeon General with Commanders of Medical Centers and Named General Hospitals and Army Surgeons, Wash., 1949.

—— Integration of military and civil health administration in war. 8 l. 32cm. Wash., 1949.

—— Military and civil health affairs in war. 9 l. 32cm. Wash., 1949.

—— Notes on civil defense planning. 19 l. 32cm. Wash., 1949.

—— Progress report on integration of military and civil administration of health affairs in war. 11 l. 27cm. Wash., 1950.

—— Relationships between military and civil groups; some public health aspects of war. 11 l. 32cm. Wash., 1950.

Bejarano, J. F. R. La defensa de la salud pública y la defense nacional. Rev. san. mil., B. Air., 1945, **44:** 25; passim.—**Bowman, G. W.** Social hygiene and National defense. Month. Bull. Bd Health Indiana, 1941, **44:** 7; 18.—**Coil, E. J.** Quality of population as necessary for national defense. Eugen. News, 1941, **26:** 5–7.—**Council** of national defense; coordination of health, welfare and related defense activities. J. Am. M. Ass., 1940, **115:** 2090.—**Cross, R. R.** Civilian and military health defense. Bull. Dep. Health Lincoln, 1941, July, 3–5.—**Defective** health hampers national defense. Social Secur., 1941, **15:** No. 6, 1.—**Defensa** (La) de las Américas y la salud humana. Reforma méd., Lima, 1942, **28:** 589–607.—**Division** of Social Protection announces program. J. Social Hyg., 1941, **27:** 433–5.—**Draper, W. F.** Public health and national defense. Med. Ann. District of Columbia, 1941, **10:** 429–32, &c.—**Executive** Order establishing the Office of Defense Health and Welfare Services in the Executive Office of the President and defining its functions and duties. Pub. Health Rep., Wash., 1941, **56:** 1901.—**Ferree, J. W.** Indiana's public health program in national defense. Month. Bull. Bd Health Indiana, 1941, **44:** 55; 66.—**Goldwater, S. S.** National health is defense item number one. Hospitals, 1941, **15:** No. 12, 27–9.—**Health** defense. Med. Care, 1942, **2:** 66–8.—**Health** and medical facilities being mobilized. J. M. Ass. Georgia, 1940, **29:** 544.—**Heller, J. R.,** jr. Public health in national defense. Nat. Negro Health News, 1942, **10:** No. 2, 9–12.—**Hutchins, W. J.** Health and national defense. Hygeia, Chic., 1941, **19:** 91–3.—**Mackenzie, G. M.** What the advisory health preparedness committees of the counties can contribute to total preparedness. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 121–3.—**McNutt, P. V.** Special problems in our health defenses. Pub. Health Rep., Wash., 1941, **56:** 988–92. Also Tr. Conf. State Terr. Health Off., 1941, 39. Conf., 11–8.—**Miller, K. E.** Civilian health as a factor in national defense. Am. Rev. Tuberc., 1941, **44:** 637–50.—**Mountin, J. W.** Adaptation of public health programs to defense needs. Am. J. Pub. Health, 1942, **32:** 1–8.—**Mustard, H. S.** Public health and national defense. Illinois Health Mess., 1941, **13:** 19.—**Parran, T.** Health and medical preparedness. Am. J. Pub. Health, 1940, **30:** 1348–50. Also J. Am. M. Ass., 1940, **115:** 49–51. Also J. Am. Osteopath. Ass., 1939–40, **39:** 565–7. Also Michigan Pub. Health, 1940, **28:** 123–8. Also Week. Bull. California Dep. Pub. Health, 1940–41, **19:** 129; 133. —— Teamwork on the health front. Mil. Surgeon, 1944, **94:** 76–80.—**Plunkett, R. E.** Health and defense. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 97–9.—**Problems** in public health. Week. Bull. California Dep. Pub. Health, 1941–42, **20:** 165.—**Public** health aids preparations for defense. Ibid., 1940–41, **19:** 97.—**Public** health at the crossroads. Health News, Alb., 1941, **18:** 175.—**Public** health in the national defense program. Pub. Health Rep., Wash., 1940, **55:** 1760–76.—**Ramos, D. F.** Public health as an important part of Pan American defense. Am. J. Pub. Health, 1942, **32:** 627–30.—**Ramsey, G. H.** The work of the Westchester County Health Preparedness Committee. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 117–20.—**Rice, S. A.** Vital statistics and national defense. Am. J. Pub. Health, 1941, **31:** 251–6.—**Román y Carrillo, G.** Defensa continental y salud pública. Reforma méd., Lima, 1942, **28:** 597–606.—**Rosenau, M. J.** Public health and national defense. North Carolina M. J., 1941, **2:** 537–9.—**Safay, F. A.** Preparedness. Health Notes, Jacksonville, 1937, **29:** 119.—**Taft, C. P.** Coordination of health, welfare, and related activities in national defense. Tr. Conf. State Terr. Health Off., 1941, 39. Conf., 32–47.—**U. S.** Public Health Service orientation course for personnel to serve in health and sanitation activities in connection with national defense. Pub. Health Rep., Wash., 1941, **56:** 662.—**Wagner, R. F.,** jr. Some health problems in national defense. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 91.

PUERTO Rico.

See under **Morbidity; Tuberculosis; Venereal disease; World War II.**

PUGILISM.

See also **Sport.**

Bremner, W. V. Traumatic cerebral arteriovenous aneurysm, associated with a punch-drunk syndrome. J. R. Nav. M. Serv., 1944, **30:** 51–3.—**Cervera Cencio.** El boxeo como deporte militar de combate. Ejército, 1942, No. 32, 15–8.—**Squirru, C. M.** Dispositivo en puño de boxeador (con travesaño de madera) para fracturas del 2., 3., 4. y 5. metacarpianos.

Rev. san. mil., B. Air., 1935, **34**: 151–7, illust.—**Tokarski, S.** [Treatment of injuries of the hand in boxers] Lek. wojsk., 1939, **34**: 77–82.—**Will, G. W.** Punch drunk. J. R. Army M. Corps, 1939, **72**: 389–92.

PULHEMS.

See as subdivision under **Medical examination.**

PULICIDAE.

See also **Insect.**

Busvine, J. R. Eradication of fleas in war-time. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 171–5. Also Pharm. J., Lond., 1945, **100**: 11.—**Carpenter, S. J., Chamberlain, R. W., & Baker, R.** Flea collections at Army installations in the Fourth Service Command. J. Econom. Entom., 1945, **38**: 600–2.—**Tests** with fleas. Res. Program U. S. Army M. Res. Bd, 1947, July, 114.

PULMONARY artery.

See also **Cardiovascular system.**

Anderson, W. S. Venous thrombosis with pulmonary embolism; report of two cases. J. Canad. M. Serv., 1944–45, **2**: 707–11.—**Cañedo, R.** Dilatación aneurismática de la arteria pulmonar. Rev. san. mil., Habana, 1943, **7**: 121–8.—**Cavallini, E.** Infarto emorragico polmonare da embolo dell'arteria polmonare. Ann. med. nav., Roma, 1925, **1**: 59–62.—**Goode, C. D.** A case of pulmonary embolism treated with anticoagulants. J. R. Nav. M. Serv., 1948, **34**: 154–62.—**Hamilton, T. R., & Angevine, D. M.** Fatal pulmonary embolism in 100 battle casualties. Mil. Surgeon, 1946, **99**: 450–8.—**Higgins, A. R.** Aneurysm of sinus of Valsalva with rupture into right auricle and death. U. S. Nav. M. Bull., 1934, **32**: 47–9.—**Kates, S. R.** Aneurysm of the pulmonary artery perforating into the pleural cavity, with recovery. Med. Bull. Veterans Admin., 1940–41, **17**: 390–5.—**Manaugh, H. C.** Pulmonary thrombosis. Ibid., 1938–39, **15**: 310–2.—**Molinier, Duranceau & Tabusse.** Dilatation congénitale de la branche gauche de l'artére pulmonaire et primo-infection bacillaire. Bull. Soc. méd. mil. fr., 1947, **41**: 97.—**Nelson, E. C.** Acute cor pulmonale. Med. Bull. Veterans Admin., 1939–40, **16**: 290–4.—**Nichita, V., & Balaceanu, V.** [Latent form of secondary sclerosis of the pulmonary artery] Rev. san. mil., Bucur., 1934, **33**: 323–7.—**Nusret Karasu & Hakki Arsal** [Case of congenital atresia of the pulmonary artery] Askerî sıhhiye mecmuası, 1940, **69**: No. 31, 99–101.—**Pilod.** Insuffisance de l'orifice pulmonaire au cours d'une cardiopathie mitrale. Bull. Soc. méd. mil. fr., 1927, **21**: 18–21. ——— **Tourniaire & Passa.** Rétrécissement congénital de l'artère pulmonaire. Ibid., 1934, **28**: 110–8.—**Pulmonary** fat embolism. Bull. Army M. Dep., Lond., 1943, No. 20, 1.—**Tompkins, R. D.** Sudden death from occlusion of the right pulmonary artery following mild thrombophlebitis in the right leg; collection of double indemnity benefit under an insurance policy. Med. Bull. Veterans Admin., 1943–44, **20**: 74.—**Tschuschner.** Zur Symptomatologie der Lungenembolie und Appendicitis. Deut. Militärarzt, 1943, **8**: 86–9.

PULMONARY edema.

See under **Oxygen poisoning,** Pathology; **Pressure breathing,** therapeutic.

PULPA.

See also **Tooth.**

Restarski, J. S. Effect of aviation conditions on the dental pulp and periosteum; vibration. 6p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X-91, U. S. Nav. M. Res. Inst.

——— & Gersh, I. Effects of aviation conditions on the dental pulp and periosteum. 7 p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-91, U. S. Nav. M. Res. Inst.

Cambiaggi, J. E. Tratamiento de las caries en dos sesiones; método de la pulpectomía coronaria. Rev. san. mil., B. Air., 1945, **44**: 112–9.—**Green, H. G.** Aids in diagnosing dental pulp diseases. U. S. Nav. M. Bull., 1946, **46**: 262–4.—**Taylor, R. W.** Apicoectomy; general considerations and subsequent root-canal therapy. Ibid., 1938, **36**: 511–3.

PULSE.

See also **Plethysmography.**

Cuesta Inclán, J. M. Investigaciones sobre la posibilidad de un papel activo en las arterias de la onda del pulso. Med. & cir. guerra, 1946, **8**: No. 21, 37–43.—**Kotuka, I.** Myakuhaku yori kanzi-taru hogo-hei ni tuite [The protection of soldiers by observation of the pulse] Gun idan zassi, 1927, 367–80, tab., ch.—**Pulse** rates of recruits. Statist. Navy M., 1949, **5**: No. 12, 7–9.—**Stevenson, C. J.** A slow pulse. J. R. Nav. M. Serv., 1948, **34**: 167–9.

PUNCHED card.

See **Record.**

PUNISHMENT.

See also **Criminal; Delinquent; Detention; Discipline.**

Army crime and the medical officer. Bull. Army M. Dir., Lond., 1941, No. 5, 1.—**Casey, J. F.** Disciplinary problems in a military neuropsychiatric hospital. Mil. Surgeon, 1945, **97**: 312–7.—**Cigolini, F.** La precedente condanna a pena militare come ostacolo legale alla condanna condizionale. Scuola posit., 1922, **32**: 251–7.—**Ferencz, B. B.** Rehabilitation of Army offenders. J. Crim., Chic., 1943–44, **34**: 245–7.—**Glueck, S., & Glueck, E. T.** Successes and failures during various forms of intramural treatment; Army and Navy. In their Crim. Careers, N. Y., 1943, 202–5.—**Hare, J. S.** Military punishments in the War of 1812. J. Am. Mil. Inst., 1940, **4**: 225–39.—**Keibatu** [Punishment] In: Dai Nippon Teikoku Rikugun-syō zyūni-kai tōkei nenpō (Japan. Rikugun-syō) Tōkyō, 1899, 251–304.—**Mann, W. L.** A few remarks on the detention and probation system of punishment, and a classification of the offences of the personnel of the United States naval disciplinary barracks. U. S. Nav. M. Bull., 1913, **7**: 174–82.—**Prewer, R. R.** Abnormal reactions to punishment. J. R. Nav. M. Serv., 1944, **30**: 13–8.—**Rutzick, M. A.** Function of the Disciplinary Barracks' psychologist in the development of a therapeutic atmosphere. Bull. Mil. Clin. Psychologists, 1946, **1**: 82–6. ——— The psychologist in the employment office of a disciplinary barrack. Ibid., 99–104.—**Siple, H. L.** The clinical psychologist assigned to a disciplinary barracks hospital. Ibid., 94–8.—**Solomon, J. C.** Psychodynamics of confinement of wartime military offenders. Am. J. Psychiat., 1945–46, **102**: 650–7.—**Wagley, P. V.** Some criminologic implications of the returning soldier. J. Crim., Chic., 1943–44, **34**: 311–4.—**Weiler, K.** Kriegsgerichtspsychiatrische Erfahrungen und ihre Verwertung für die Strafrechtspflege im Allgemeinen. Mschr. Kriminalpsych., 1921–22, **12**: 282; 1922, **13**: 165.—**Willbach, H.** Recent crimes and the veterans. J. Crim., Chic., 1947–48, **38**: 501–8.—**Willerman, B.** The clinical psychologist as correctional classification officer. Bull. Mil. Clin. Psychologists, 1946, **1**: 87–93.

PUPIL.

See under **Iris;** also **Night vision,** Physiology.

PURCHASING.

See **Hospital administration,** Supply.

PURIFIER.

See under **Water supply.**

PURPURA.

See also **Hemorrhagic diathesis; Radiation injury,** Treatment.

Bastard. A propos d'un cas de purpura infectieux secondaire à un phlegmon de l'amygdale, et guéri rapidement par la pénicilline à doses moyennes. Bull. Soc. méd. mil. fr., 1948, **42**: 92–4.—**Ferrabouc, L., & Cantegrit, M.** Purpura hémorragique du à l'ingestion d'arséniate de calcium. Ibid., 1946, **40**: 62.

PURSUIT confusion test.

See **Aviator,** Fitness.

PURSUIT test.

See also **Motor system.**

Brown, J. S. The S. A. M. Two-Hand Pursuit Test, Model B (CM810B) v. p. [13]p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 271, U. S. Air Force School Aviat. M.

——— & Melton, A. W. The S. A. M. Rotary Pursuit Test for the classification of aviation cadets; apparatus and procedures. 35p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 125, U. S. Air Force School Aviat. M.

——— & Buel, J. The S. A. M. Rotary Pursuit Test, Model B, with and without the divided attention attachment. 28p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 350, U. S. Air Force School Aviat. M.

Loucks, R. B. Development of a multi-dimensional pursuit test. 7 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 98, U. S. Air Force School Aviat. M.

—— Development of a simplified table model of the S. A. M. Multidimensional Pursuit Test. 8 l. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 214, U. S. Air Force School Aviat. M.

PYELOGRAPHY.

See **Radiography; Urogenital apparatus.**

PYELONEPHRITIS.

See also **Kidney,** Disease.
Fitzgerald, P. J. Pyelonephritis; its newer concept and clinical significance; with a review of the literature. U. S. Nav. M. Bull., 1945, 45: 108–25.—**Núñez Landa, V.** Pielonefritis crónica derecha con hidronefrosis. Rev. san. mil., Lima, 1942, 15: 102–4.

PYEMIA.

See under **Sepsis.**

PYLORUS.

See also **Stomach.**
Chamberlin, D. T. A method for relief of pyloric obstruction. Mil. Surgeon, 1942, 90: 407–9.—**Chrisman, A. S., & Loizeaux, T.** Pyloric stenosis in binovular twin boys. U. S. Nav. M. Bull., 1949, 49: 727–9.—**Colver, T.** Pylorospasm in gastro-duodenal disease. J. R. Nav. M. Serv., 1941, 27: 349–58.—**Hays, T. G., & Walters, W.** Hemorrhagic ulcerative gastrojejunitis thirty years after gastro-enterostomy for congenital pyloric stenosis. U. S. Nav. M. Bull., 1947, 47: 330–3.—**Lindeman, S. J. L.** A case of congenital hypertrophic stenosis of the pylorus. J. R. Army M. Corps, 1929, 52: 453.—**Malkiewicz, Z.** Wrodzone zwężenie odźwiernika u niemowląt. Lek. wojsk., 1941, 34: 181.—**Perrignon de Troyes.** Syndrome de perforation couverte gastro-duodénale: existence d'un ulcère pylorique non perforé; enfouissement gastro-entérostomie. Bull. Soc. méd. mil. fr., 1937, 31: 490–3.—**Plisson.** Parasitisme intestinal et syndrome d'obstruction pylorique totale. Ibid., 1926, 20: 250–2.—**Ruzie.** Sténose du pylore du nourrisson. Ibid., 1948, 42: 47.—**Williams, L. H.** Pylorospasm on division of the pyloric ring. U. S. Nav. M. Bull., 1924, 21: 659.

PYOCYANEUS.

See **Pseudomonas.**

PYODERMA.

See also under **Dermatosis; Streptococcosis.**
Aliavdin, A. A. (Carbohydrate metabolism in suppurative affections of the skin) Voen. med. J., Moskva, 1933, 4: 267–74.—**Alperovich, B. G.** Leĉenie piodermitov lakovoj krovju po metodu docenta V. Y. Arutjunova v boevykh uslovijakh. Voen. san. delo, 1941, No. 4, 58.—**Arutjunov, V. Y.** Mestnoe primenenie lakovoj krovi dlja leĉenija jazvennykh piodermitov. Ibid., 1940, No. 6, 94.—**Ceccarini, F.** Espressioni reattive del S. R. I. nelle piococcosi esaminate col metodo del doppio arricchimento. Ann. med. nav., Roma, 1949, 54: 127–34.—**Cormia, F. E., & Maschmeyer, R. H.** Local penicillin therapy in resistant pyodermas. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 23, 1–5.—**Covisa, J. S.** Las dermatosis de guerra; las piodermitis. Rev. san. guerra, 1937, 1: 81–6.—**Funk, C. F.** Die chronisch-ulcerösen flächenhaften Pyodermien: Ecthyma simplex, Pyodermia papillaris vegetans et exulcerans, sowie das Ulcus cruris ohne Ulcus varicosum. Deut. Militärarzt, 1944, 9: 401–4. Also English transl., Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 125–7.—**Harper, A. R.** Pyodermia in the tropics; with a description of three cases. J. R. Nav. M. Serv., 1945, 31: 170–2.—**Mgebrov, M. G., Kugusheva, N. I., & Santalov, N. V.** [Treatment of staphylococcic and streptococcic affections of the skin with rivanol, brilliant green and other bactericidal stains] Tr. Acad. mil. méd. Kiroff, 1935, 3: 139–46.—**Tramazaygues, M., & Lascalea, M. C.** Tratamiento de la piodermitis por las sulfamidas. Rev. san. mil., B. Air., 1940, 39: 187–95.—**Vedia, E. B. de.** La piodermitis; la màs frecuente de las dermatosis del soldado. Ibid., 1939, 38: 263–81.—**Volkov, V. P.** [The treatment of pyodermia with liquid B_1 and B_2 ointments in an Army unit] Voen. san. delo, 1943, No. 10, 25–32.—**Waisman, M.** Topical penicillin treatment of pyogenic infections of skin. Bull. U. S. Army M. Dep., 1945, 4: 516.—**Zieler, K.** Die eiterigen Hautentzündungen (Pyodermien) Deut. Militärarzt, 1941, 6: 100–3.

PYOGENIC infection.

See **Wound infection,** pyogenic.

PYONEPHROSIS.

See **Nephrosis.**

PYORRHEA alveolaris.

See **Paradentosis.**

PYOSIS.

See also **Pemphigus.**
Buist, T. P., Bhatnagar, S. S., & Carr, L. H. Pyosis mansoni and allied infections of the skin in India. J. R. Army M. Corps, 1934, 62: 47–50.—**Eccles, C. E., & Dorling, R.** Cases of pyosis mansoni. Ibid., 1932, 58: 47–9.

PYRENE.

See also **Poisoning.**
Rowan-Robinson, L. C. A case of pyrene poisoning. J. R. Nav. M. Serv., 1919, 5: 325.

PYRETHRINE.

See also **Insecticide.**
C., T. J. Pyrethrum-Freon-insecticide. Bumed News Lett., Wash., 1943, 1: No. 9, 17.—**Jones, H. A., McAlister, L. C., jr [et al.]** Experimental impregnation of underwear with pyrethrum extract for control of body lice. War Med., Chic., 1944, 6: 323–6.—**Symes, C. B.** Use of pyrethrum powder for insect control. Ibid., 1942, 2: 340.

PYRIDOXINE.

See with **Vitamin.**

PYROGEN.

See also **Infection.**
Lequire, V. S. Augmentation of the thermogenic effects of pyrogens by homologous plasma in rabbits. 21p. 27cm. Bethesda, 1949.
Forms Rep. No. 6, Proj. NM 007 047, U. S. Nav. M. Res. Inst.

Relationship (The) between the fever caused by bacterial pyrogens and the fever of acute infections. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 14.—**Relationship** (The) between the fever caused by bacterial pyrogens and the fever produced by the intravenous injection of acute sterile exudates. Ibid., 14.

PYROTECHNICS.

See under **Explosive.**

PYTHIUM.

Luijk, van. Pythium test. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 60.

PYURIA.

See also **Urogenital apparatus.**
Johnson, S., & Wolfe, H. E., jr. Amicrobic pyuria. U. S. Armed Forces M. J., 1950, 1: 205–9.—**Landes, R. R., & Kinnaird, R.** Amicrobic pyuria. Mil. Surgeon, 1949, 105: 1–4.

Q fever.

See **Rickettsiasis (burneti)**

QUADRICEPS.

See under **Thigh.**

QUARANTINE.

See also **Aircraft,** Sanitation; **Air travel,** Safety and Sanitation; **Isolation; Plague,** Control and prevention.
Cushing, R. W. A survey of the activities of the Military Isolation Hospital, Aldershot, 1939–45. J. R. Army M. Corps, 1946, 86: 12–9.—**Deak, A.** [Military baths and quarantine] Voj. san. glasnik, 1939, 10: 277–92.—**Gordon, J. E.** Quarantine of personnel. In: Prev. Med. in World War II, Wash., 1948, 2: pt 3, Sect. 8, 18.—**Knies, P. T.** Quarantine and disinsectization of aircraft. Air Surgeon Bull., 1944, 1: No. 10, 16–8.—**Quarantine** Branch established in Preventive Medicine Service. J. Am. M. Ass., 1944, 126: 965.—**Quarantine** and man power. Lancet, Lond., 1941, 2: 733.—**Quarantine** with reference to aircraft and passengers [Form letter] Bumed News Lett., Wash., 1944, 4: No. 7, 40–6.—**Rogozin, I., & Rozanov, P.** Karantin. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1123–7.

—— animal.

United States. War Department. Army regulations No. 40–2275, Medical Department: Quarantine and physical survey of public animals and private mounts shipped from outside the continental limits of the United States or from infected areas. 1p. 8° Wash., 1928.

Derrick, J. D., & Kester, W. O. Territorial animal quarantine station and the Army section. Vet. Bull., Wash., 1941, **35:** 163–8.—**Gordon, J. E.** Quarantine of plants, animals, and their products. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 8, 20–2.—**Quarantine** and disinfection. Vet. Med., Chic., 1942, **37:** 552–4.

—— Cordon sanitaire.

Brody, A. Collective security, the Atlantic Charter and the Cordon sanitaire. Soviet Russia Today, 1943, **12:** No. 8, 9; 32.—**Gordon, J. E.** Cordon sanitaire. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 5, No. 1, 11.—**Liberated** French and Belgians wait for transportation to a displaced persons camp; delousing is required before crossing the Rhine River (cordon sanitaire) Cologne, Germany, April 1945 [illust.] Ibid., after p. 46.

—— foreign.

Cox, W. C. Foreign quarantine. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 3, 11.—**Foreign** quarantine. Mil. Surgeon, 1941, **89:** 937; 1942, **91:** 710; 1943, **92:** 336. Also in Prev. Med. in World War II, Wash., 1948, **8:** 259.—**Foreign** quarantine in international Army traffic. Bull. U. S. Army M. Dep., 1945, No. 85, 18.—**Gordon, J. E.** Foreign quarantine. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 3, Sect. 8, 1–27, 6 pl.—**Knies, P. T.** Foreign quarantine in military traffic. Am. J. Trop. M., 1946, **26:** 145–8.—**Magath, T. B., & Knies, P. T.** Modern concepts of international quarantine with special reference to military traffic. Mil. Surgeon, 1945, **96:** 209–22.—**Morowitz, B. F.** The military quarantine stations of Hungary. Med. Rec., N. Y., 1916, **90:** 852–4.—**Spence, B. H. H.** The Wadi Halfa quarantine. J. R. Army M. Corps, 1924, **43:** 321–40.

—— maritime.

See also **Isolation; Port.**

Magath, T. B. Maritime quarantine with reference to naval vessels. Bumed News Lett., Wash., 1945, **5:** No. 5, 23–5.—**Parsons, U.** Remarks on quarantine systems. Naval Mag., N. Y., 1836, **1:** 244; 356.—**Pomfret, A. A.** An account of Kamaran Quarantine Station. J. R. Nav. M. Serv., 1927, **13:** 223–5.—**Quarantine,** bills of health and disinfection. In: Manual M. Dep. U. S. Navy, Wash., 1942, 333–64.—**Sibata, T.** Kaigun ni okeru kōwan no bōeki ni tuite. Nippon igakkai kaisi, 1938, 10. Conf., 259–64.—**Willoughby, H. M.** Hints for ships' surgeons. J. R. Nav. M. Serv., 1934, **20:** 324.—**Wilson, R. L.** Maritime quarantine. J. S. Carolina M. Ass., 1913, **9:** 110–6.

—— maritime: Laws and regulations.

United States. Congress. 55. Congr., 2. sess., S. 2680. A bill amending "An act granting additional quarantine power and imposing additional duties upon the Marine-Hospital Service," approved February fifteenth, eighteen hundred and ninety-three; introd. by Mr. Gaffery. 16p. 8° Wash. 1897.

—— Amendment intended to be proposed by Mr. Spooner to the bill (S. 2680) "An act granting additional quarantine power and imposing additional duties upon the Marine-Hospital Service." 24p. 8° Wash., 1898.

United States. Congress. 56. Congr., 1. sess., S. 4171. An act to amend "An act granting additional quarantine powers and imposing additional duties upon the Marine-Hospital Service," approved February fifteenth, eighteen hundred and ninety-three (May 28, 1900) 3p. 8° Wash., 1900.

United States. Treasury Department. Circular, relating to the labeling of baggage and the issue of inspection cards to steerage and cabin passengers, Marine Hospital Service, Circular No. 65, 1893. 2 l. 8° Wash., 1893.

—— Laws and regulations for the maritime quarantines of the United States, April 4, 1893. 17p. 8° Wash., 1893.

QUARANTINE camp.

See under **Camp.**

QUARTERMASTER Food and Container Institute.

See also under **Research.**

Gelman, G. Military physiology in the Quartermaster Food and Container Institute for the Armed Forces. Sympos. Mil. Physiol., Wash., 1947, 23–33.

QUARTERS [and quartering]

See also **Barracks; Bed** [and bedding]; **Bivouac; Camp,** etc.

Asgafjev, A. Postelnye prinadleźnosti soldata Sovetskoj Armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 780.

QUESTIONNAIRE.

See under **Neuropsychiatric examination.**

QUINACRINE.

See also **Malaria,** Pharmacology.

Pfeiffer, C. C., & Tusing, T. W. The oral administration of phenolsulfonephthalein as a trace dye to prove quinacrine ingestion. 6p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–430. U. S. Nav. M. Res. Inst.

Allegretti, N. Kvalitativno i kvantitativno dokazivanje atebrina u mokraći, krvi i organima. Voj. san. pregl., Beogr., 1948, **5:** 384–6.—**Oral** (The) administration of phenolsulfonephthalein as a trace dye to prove quinacrine ingestion. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 25.—**Van Auken, H. A.** Atabrine. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 55–65, map.

—— Evaluation.

Terzian, L. A., & Stormont, R. T. A study of the comparative therapeutic effects of quinine, quinacrine, and SN–6911 on Plasmodium gallinaceum malaria. 10p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–539, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. 18: Final report on Project No. 18, Investigation of the effects of activity and environment on atabrine therapy. v. p. 28cm. Fort Knox, 1943.

Billiottet. A propos de la posologie de la quinacrine préventive. Rev. méd. nav., Par., 1948, **3:** 109–13.—**Goldner, J. L., & Berger, M.** An experience with atabrine aboard a troop transport. U. S. Nav. M. Bull., 1946, **46:** 895–7.

—— Pharmacology.

Hill, A. H., & Smith, P. K. The influence on cortical activity of large doses of atabrine dihydrochloride. 5 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 232, U. S. Air Force School Aviat. M.

Jeremy, W. H. R., & Holt, R. Investigation of effects of a course of mepacrine on vision. 1 l. 32cm. Lond., 1944.

Forms F. P. R. C. No. 578a, Gr. Britain Flying Pers. Res. Com.

Smith, P. K. Blood plasma levels obtained with several suppressive doses of atabrine dihydrochloride. 4 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 2, Proj. No. 176, U. S. Air Force School Aviat. M.

Snyder, R., Eakin, R. E. [et al.] The comparative distribution in the body of quinacrine and 3-methoxyquinacrine; a relatively non-effective antimalarial. 12p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–310, U. S. Nav. M. Res. Inst.

Annegers, J. H., Snapp, F. E. [et al.] Retention of atabrine in animal body; excretion in bile and urine and effect on cholic acid output. War Med., Chic., 1943, 4: 176–86.—**Cvetojević, M.** Imbibicija rožnjačinog epitela i vežnjače žutom bojom posle upotrebe atebrina. Voj. san. pregl., Beogr., 1948, 5: 220.—**Effect** of ammonium ion on plasma atabrine (quinacrine) levels. Bumed News Lett., Wash., 1944, 4: No. 10, 3.—**Effect** of atabrine (quinacrine) on the bacterial flora of the feces. Ibid., 4.—**Effect** of atabrine (quinacrine) on the gastrointestinal tract of rats. Ibidem.—**Factors** affecting excretion of atabrine (quinacrine) in the urine. Ibid., 3.—**H., E. G.** Malaria, suppressive treatment; atabrine concentration in plasma. Ibid., 1943, 2: No. 3, 5.—**Renal** excretion of atabrine (quinacrine) Ibid., 1944, 4: No. 10, 1–3.

—— Toxicity.

PFEIFFER, C. C., & SNYDER, R. The effect of riboflavin and niacinamide on the plasma level and acute and chronic toxicity of quinacrine. 5p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–428, U. S. Nav. M. Res. Inst.

SMITH, P. K. The toxic effects of prophylactic doses of atabrine. 3p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 73, U. S. Air Force School Aviat. M.

—— Toxicity of suppressive doses of atabrine dihydrochloride. 11p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 176, of same school.

—— Influence on the absorption and toxicity of atabrine dihydrochloride, of sodium bicarbonate and of ethyl alcohol. 4 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 229 of same school.

—— Comparative toxicity of suppressive doses of SN–6911 bisulfate and atabrine dihydrochloride. 2 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 298 of same school.

Burnham, R. C. Acute atabrine intoxication. U. S. Nav. M. Bull., 1946, 46: 434–8.—**Crawford, R. C.** Atabrine psychosis. Air Surgeon Bull., 1945, 2: 21.—**Effect** (The) of riboflavin and niacinamide on the plasma level and acute and chronic toxicity of quinacrine. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 35.—**Evaluation** of the untoward reactions attributable to atabrine. Bull. U. S. Army M. Dep., 1945, 4: 653–9.—**Gaskill, H. S., & Fitz-Hugh, T.,** jr. Toxic psychoses following atabrine. Ibid., No. 86, 63–9.—**Gottfried, S. P., & Levine, A. C.** Liver function studies on soldiers under prolonged atabrine administration. J. Laborat. Clin. M., 1945, 30: 853–5.—**Hansen, G.** Ueber die Vortäuschung von Gelbsucht, insbesondere durch Atebrin. Deut. Militärarzt, 1941, 6: 272–4. **Hayman, J. M.,** jr. Atabrine pigmentation of the sclera. Bull. U. S. Army M. Dep., 1944, No. 82, 120.—**Lerro, S. J.** Report of two cases of toxicity to atabrine. Mil. Surgeon, 1941, 89: 668–70.—**London, I. M.** Failure of atabrine to cause eosinophilia. Bull. U. S. Army M. Dep., 1947, 7: 399–401.—**Loughlin, E. H., Bennett, R. H.** [et al.] Clinical toxicity of atabrin dihydrochloride (quinacrine hydrochloride U. S. P. XII) a controlled comparative study of the toxicity of American and of foreign atabrine when administered in doses commonly employed in the prophylaxis of malaria. War Med., Chic., 1943, 4: 272–9.—**McCorkle, J. K.** Hippuric acid liver function test in relation to malaria and atabrin. U. S. Nav. M. Bull., 1944, 43: 1163–5.—**Nelson, L. M.** Dermatitis from atabrine. Med. Bull. North Afr. Theater U. S., 1944, 2: 37. Also Bull. U. S. Army M. Dep., 1945, 4: 725–7.—**Reactions** attributed to atabrine. J. Mil. M. Pacific, 1945, 1: No. 2, 1–4.—**Russell, H. K.** Eosinophilia caused by atabrine. U. S. Nav. M. Bull., 1945, 44: 574.—**Whitehill, R.** Skin sensitivity due to atabrine. Bull. U. S. Army M. Dep., 1945, 4: 724.

QUINACRINE dermofluorometer.

EICHER, M., & PFEIFFER, C. C. The construction of a rugged quinacrine dermofluorometer for possible field use. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–429, U. S. Nav. M. Res. Inst.

—— & SNYDER, R. The use of a quinacrine dermofluorometer to measure tissue quinacrine levels of subjects on suppressive therapy. 15p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3 of preceding project.

UNITED STATES. NAVAL MEDICAL RESEARCH INSTITUTE. Research projects, X–429: Quinacrine dermofluorometer. 3 l. 26½cm. Bethesda, 1945.

Construction (The) of a rugged quinacrine dermofluorometer for possible field use. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 24.—**Use** (The) of a commercial dermofluorometer to measure skin fluorescence of subjects on suppressive quinacrine therapy. Ibid., 1944, July, 36.—**Use** (The) of a quinacrine dermofluorometer to measure tissue quinacrine levels of subjects on suppressive therapy. Ibid., 1945, Jan.–June, 24.

QUININE [and relatives]

See also **Drug supply; Malaria,** Pharmacology; **Plasmochin; Quinacrine.**

Cornell, V. H., & Kaye, S. A simple field test to detect quinine in urine. Mil. Surgeon, 1943, 93: 133.—**Glazko, A. J.** Estimation of quinine in urine including a field test for establishing the ingestion of quinine in malarial prophylaxis. U. S. Nav. M. Bull., 1943, 41: 529–33.—**Gray, G. W.** Against malaria. In his Science at War, 3. ed., N. Y., 1943, 217–9.—**Smith, E. F.** Quinine. J. R. Army M. Corps, 1927, 49: 34–8.

—— Evaluation.

Berberian, D. A., & Dennis, E. W. Field experiments with chloroquine diphosphate. Am. J. Trop. M., 1948, 28: 755–76.—**Clinical** evaluation of chloroquine. Bull. U. S. Army M. Dep., 1947, 7: 835–7.—**Pilcher, J. T.** Quino-formol solution in war surgery. Ann. Surg., 1918, 68: 467–70.—**Trial** use of the new antimalarial drug chloroquine. Bull. U. S. Army M. Dep., 1946, 6: 9.

—— Pharmacology.

SMITH, P. K. Effects of quinine and plasmochin on hypoxia tolerance [5] l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 222, U. S. Air Force School Aviat. M.

Absorption of quinine and atabrine in patients with diarrhea. Bull. U. S. Army M. Dep., 1944, No. 82, 25.—**Bruckner, H., & Schmolke, G.** Quinine-like substances. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 170–4.—**Necip Suner.** [Dosage of quinine tablets] Askerî sıhhiye mecmuası, 1935, 64: 61–6.—**Toomey, A. G. G.** The parenteral administration of quinine and mepacrine. J. R. Nav. M. Serv., 1945, 31: 29–32.—**Weise, W.** Methode zur Bestimmung von Sontochin im Harn. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 179–90.—**Western, O. C.** Synthesis of dihydroquinines. Hosp. Corps Q., 1945, 18: No. 4, 56–75.—**Wierzchowski, J.** [Investigation of quinine tablets] Lek. wojsk., 1939, 33: 353–8.

—— Supply.

See also **Drug supply.**

Adam, G. S. The war, quinine and the medical profession in Australia. Med. J. Australia, 1942, 2: 188.—**Connery, G.** The corner druggist completes a war job; quinine from thousands of shelves is on its way to the fronts. Congress. Rec., 1943, 89: A4833.—**Covell, G.** Note on economy in the use of anti-malarial drugs. Ind. M. Gaz., 1942, 77: 643–6.—**Debayle, L. M.** El problema de la quinina. Bol. san., Managua, 1942–43, 3: No. 22, 31.—**Economy** in the use of quinine [Great Britain] J. Am. M. Ass., 1942, 119: 1213.—**Facts** on the quinine situation today. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, 3: 415–8.—**Gerald, H. F.** Quinine and the war. Bull. Creighton Univ. School M., 1942–43, 2: No. 8, 5.—**Government** (The) needs quinine at once; contribute all you can spare through the Philadelphia College of Pharmacy and Science. Am. J. Pharm., 1942, 114: 313.—**Hajla, W. J.** The National Quinine Pool. Hosp. Corps Q., 1943, 16: No. 4, 1–46.—**Jackson, R. J.** The war, quinine and the medical profession in Australia. Med. J. Australia, 1942, 2: 156.—**Malaria** and antimalarials. Current Sc., Bangalore, 1942, 11: 347–50.—**Malaria** and quinine policy of government. J. Kansas M. Soc., 1942, 43: 421.—**Mayes, B. T.** Quinine in wartime obstetrics. Med. J. Australia, 1942, 2: 250.—**Mingoja, Q.** Problemas atuais sobre os medicamentos antimalaricos. Arq. biol., S. Paulo, 1942, 26: 197–204.—**National** (The) Quinine Pool. J. Am. M. Ass., 1943, 121: 434.—**Nicol, W. D., & Shute, P. G.** Economy in quinine. Lancet, Lond., 1942, 1: 545.—**Powers, J. L.** Quinine order amended. Bull. Nat. Formulary Com. U. S., 1942, 10: 106–20.—**Quinine.** N. Orleans M. & S. J., 1942, 95: 250. Also Bumed News Lett., Wash., 1944, 3: No. 11, 1.—**Quinine** (The) problem. J. Ind. M. Ass., 1942–43, 12: 125–8.—**Quinine** for returned soldiers. Australas. J. Pharm., 1943, 24: 123.—**Quinine** and the war. Pharm. J., Lond., 1942, 95: 2.—**Quinine** for war. Science News Lett., 1943, 43: 77.—**Restrict** sale of all quinine. J. Am. M. Ass., 1942, 119: 1512.—**Send** your quinine off to war. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1942, 3: 403–5.—**Supplies** of quinine. Lancet, Lond., 1942, 1: 431.—**Taylor, N.** Quinine supplies in the United States. Med. Rec., N. Y., 1941, 154: No. 12, 8.—**Three** tons of quinine given to

Armed Forces. Illinois M. J., 1943, 84: 9.—**War** Production Board quinine order. Bull. Nat. Formulary Com. U. S., 1942, 10: 95–9.—**War-time** (The) use of quinine. Pharm. J., Lond., 1942, 94: 157.—**Weed, L. H.** The critical antimalarial problem and its solution. J. Am. M. Ass., 1942, 120: 1043. Also Memphis M. J., 1942, 17: 229–31. Also North Carolina M. J., 1942, 3: 656–8. Also N. Orleans M. & S. J., 1942–43, 95: 351–3. Also J. S. Carolina M. Ass., 1943, 39: 9.

—— Toxicity.

Livingston, P. C., Jeremy, W. H., & Gwilt, E. The visual examination of ten cadets undergoing a prophylactic course of mepacrin and quinine. 3 l. 27cm. Lond., 1944.

Forms F. P. R. C. No. 578, Gr. Brit. Flying Pers. Rcs. Com.

Pfeiffer, C. C., Turner, J. M. [et al.] Acute and chronic toxicity of dihydroquinine. 11p. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–209, U. S. Nav. M. Res. Inst.

Greene, C. C. An atypical reaction to quinine therapy. Mil. Surgeon, 1945, 97: 61–4.—**Lewis, B. S.** A case of acute quinine poisoning. J. R. Nav. M. Serv., 1950, 36: 38–40.—**Lukis, C. P.** Case of poisoning by quinine. J. R. Army M. Corps, 1912, 19: 368.—**Mühlens, P.** Chinin-Nebenwirkungen. Deut. Militärarzt, 1940, 5: 350 (Abstr.)—**Sokolow, M.** Bundle-branch block in quinine poisoning. U. S. Nav. M. Bull., 1945, 45: 737–41.

QUINN purifier.

See under **Water supply.**

QUONSET hut.

See **Dispensary.**

RABIES.

See also **Dog; Epizootic.**

Bailly, J. Les acquisitions scientifiques récentes sur la rage. Rev. vét. mil., Par., 1931, 15: 347–64.—**Berryman, H. A.** A death from hydrophobia; an extract from the diary of Frances Lady Shelley (published by John Murray) J. R. Army M. Corps, 1914, 22: 317–9.—**Boyd, J. E. M.** Some notes on canine rabies. Ibid., 1926, 46: 23–31.—**Bukh, I. V.** Kak iskat vozbuditelja beśenstva? Voen. med. J., S. Peterb., 1910, 228: Med. spec. pt, 537–40.—**Cornell, V. H., & Jones, H. W.** A case of rabies. Bull. U. S. Army M. Dep., 1948, 8: 68–70.—**Evans, W. S.** A case of hydrophobia. J. R. Army M. Corps, 1939, 73: 194.—**Fetherton, J. E., & Cooper, G. F.** Rabies; report of four deaths resulting from bites on the fingers by the same rabid animal. U. S. Nav. M. Bull., 1932, 30: 314–21.—**Fox, L. A.** Mad dogs with wings. Army M. Bull., 1942, No. 60, 122–7.—**Jermolinsky, D. A.** Sluchaj lyssae humanae. Voen. med. J., S. Peterb., 1903, 2: Med. pt, 764–75.—**Ledfors, G. E., & Seiler, W. E.** Rabies in coyotes. Mil. Surgeon, 1938, 82: 400–2.—**Lindeman, S. J. L.** Difficulties in the differential diagnosis between rabies and nervous forms of distemper. J. R. Army M. Corps, 1927, 48: 303–6.—**Markovich, U. A.** Sluchaj lyssæ humanæ. Voen. med. J., S. Peterb., 1909, 225: Med. spec. pt, 69–76.—**Palmer, P. F.** A log of human rabies. J. R. Army M. Corps, 1941, 76: 229–32.—**Reynolds, F. H. K.** Rabies. Army M. Bull., 1927, 8–15.—**Rose, G.** Tollwut (Lyssa, Rabies) In: Wehrhygiene (Handloser, S.) Berl., 1944, 131–4.—**Valdés Lambea, J.** Dos casos de rabia humana. Rev. san. mil., Madr., 1913, 3. ser., 3: 635–8.—**Webb, U. R., & Muller, F. W.** Rabies; report of two cases. U. S. Nav. M. Bull., 1929, 27: 98–111.—**Winter, H. G.** Hydrophobia. J. R. Army M. Corps, 1934, 63: 122–5.

—— Control and prevention.

Eckert. Zur Eröffnung der Wutschutzstation des ostasiatischen Feldlazaretts. Deut. mil. ärztl. Zschr., 1904, 33: 199–202.—**Hasche-Klünder, R.** Berichte über allgemeine ärztliche Beobachtungen und Erlebnisse im Kriege und im Frieden; zur Lyssa-Abwehr in der Ukraine. Deut. Militärarzt, 1944, 9: 106–11.—**Kelser, R. A.** Rabies immunization. Mil. Surgeon, 1931, 69: 34–41.—**Macpherson, W. G.** The Pasteur Institute at the German Field Hospital Tientsin. J. R. Army M. Corps, 1906, 6: 564–8.—**Millischer, P.** Etude étiologique, clinique et prophylactique de la rage; conduit à tenir en cas de morsures suspectes. Rev. Serv. san. mil., Par., 1938, 108: 857–72.—**Semple, D.** First annual report of the Pasteur Institute of India, Kasauli, from 9th August, 1900, to 9th August, 1901. Rep. Army M. Dep., Lond. (1900) 1902, 42: 455–69. ——— Second annual report of the Pasteur Institute of India, Kasauli, from August 9, 1901 to August 8, 1902. J. R. Army M. Corps, 1903, 1: 125–37.—**Treatment** of rabies. Circ. Chief Surgeon's Off. U. S. Army Forc. Pacific, 1947, No. 14, 22.—**Viti, E.** Profilassi dell'infezione rabbica. Gior. med. mil., 1940, 88: 461.

—— Incidence.

Carter, P. R. Animal rabies in Germany. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 3: No. 2, 34–8.—**Franklin, A. V.** An outbreak of rabies. J. R. Army Vet. Corps, 1941–42, 13: 121.—**Grysez & Dupuich.** La rage et sa prophylaxie dans l'armée française. Arch. méd. pharm. mil., 1911, 58: 428–46.—**Pimentel, W.** Da incidencia da raiva no Rio de Janeiro; epizootologia, epidemiologia. Rev. mil. med. vet., Rio, 1938, 1: 619–26, tab.—**Rabies.** Field M. Bull. U. S. Army, N. Delhi, 1944, 3: 70–2.—**Rabies** in the Army, 1937. Army M. Bull., 1938, No. 44, 76–8.—**Rabies** in the Army, 1939. Vet. Bull., Wash., 1940, 34: 159.—**Rabies** in the Army, 1942. Army Vet. Bull., 1943, 37: 264.—**Rage.** Statist. méd. Armée (France) (1894) 1896, 111.—**Slimon, J. G.** Rabies paralytica in Trinidad. J. R. Nav. M. Serv., 1939, 25: 142–56.—**Soldier's** death from rabies first in 40 years [District of Columbia] J. Am. M. Ass., 1943, 123: 1057.—**Sumiyosi, M.** Butai ni hassei-seru kyōken-byō no iti rei ni tuite [Rabies in the regiment] Rikugun zyūidan hō, 1942, 1262–4.—**Thomas, G. C.** Rabies in Haiti. U. S. Nav. M. Bull., 1928, 26: 315–20.—**Vampire** bat rabies in Trinidad. Bull. U. S. Army M. Dep., 1944, No. 77, 8.—**Weston, O.** Report of case of rabies at Camp Overton, Mindanao, P. I. Mil. Surgeon, 1911, 28: 331–4.

—— Pathology.

Mikhajlov, M. P. K histo-patologii beśenstva. Voen. med. J., S. Peterb., 1893, 178: Unoffic. pt, 3. sect., 197–214.

—— Vaccination.

Kikuta, K. Kyōkenbyō yobō-sessyu ni zokuhatu-seru Landry-si mahi-syō no iti rei [Case of Landry's paralysis following anti-rabies inoculation] Gun idan zassi, 1938, No. 297, 164–8.—**Koenigsfeld, E. G. H.** Neuroparalytic accident following anti-rabic vaccination. J. R. Army M. Corps, 1945, 85: 254.—**Short, G. V.** The preventive vaccination of dogs against rabies. J. R. Army Vet. Corps, 1941–42, 13: 105–16.—**Tikano, T.** Utenkow-si kyōken-doku zugaikō-nai tyūsya-hō ni kan-suru zikken-teki hihan narabi ni tiken hoi [Supplementary comments and information from an experimental point of view on methods of injection of Utenkov's rabietic ("mad-dog") poison into the cranial cavity] Gun idan zassi, 1930, No. 199, 1–28, pl.—**Velu, H., Bigot, A., & Eyraud, M. R.** Recherches sur la vaccination préventive contre la rage par injection de vaccin unique. Rev. vét. mil., Par., 1926, 10: 175–83.

RACE.

See under **Militarism;** also **Negro.**

RADAR observer.

See also **Radar operator.**

Cook, S. W. Psychological research on radar observer training. 340p. 23½cm. Wash., 1947.

Forms No. 12, Res. Rep. Aviat. Psychol. U. S. Air Froces.

Experimental studies of perceptual motor and other psychological components of visual and radar bombing. Q. Res. Rep. U. S. School Aviat. M., 1949, July, 30.—**Ford, A.** Visual problems in radar display. Minutes Army Navy Vision Com., 1947, 18. meet., 31–4.—**Hastorf, A. H.** The radar observer in the Army Air Forces. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 12, 5–10.—**Kelley, H. H.** Validation of selection tests for radar observer training. Ibid., 229–69.—**Klein, G. S.** The circular error in radar observer training. Ibid., 167–209, illust.—**Kunsman, H. F.** History of radar observer selection. Ibid., 211–28.—**Radar** observer. Ibid., No. 16, 198–208.—**VanSaun, H. R.** Factors influencing ability to identify radar targets. Minutes Army Navy Vision Com., 1947, 18. meet., 27–9.—**Williams, S. B.** Some factors affecting visibility in radar presentations. Ibid., 21–6, 2 ch.

RADAR operator.

See also under **Navigator; Radar observer.**

Brown, J. S. Psychological aptitudes involved in operating the AN/APS–15 radar equipment. 6p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 329, U. S. Air Force School Aviat. M.

Finch, G. The Langley Field, Virginia, experimental psychomotor selection battery for radar students. 4p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 355 of same school.

——— The Carlsbad Army Air Field, New Mexico, experimental psychomotor selection test battery for radar students. 6p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 464 of same school.

MATTHEWS, J. L. Physical standards for selection of radar operators. 9p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 167 of same school.

Bray, D. W. Standardized performance checks. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 12, 95–125. ——— The measurement of performance. Ibid., 127–42. ——— The selection and training of communications and radar personnel. In his Psychol. & Milit. Profic., Princet., 1948, 115–51. ——— Radar operators. Ibid., 127–38.—**Cook, S. W.** An evaluation, with suggestions for future research. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 12, 271–81.—**Craik.** Some possible causes of eye strain in radar operators. Gr. Britain Flying Pers. Res. Com., 1943, No. 560, 1.—**Graff, N., Kelley, H., & Hastorf, A.** The development of printed proficiency tests. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 12, 57–93.—**Hastorf, A. H.** Survey of research. Ibid., 11–20.—**Kelley, H.** Job description and analysis. Ibid., 21–55, illust., diagr.—**Kriedt, P. H., Johnston, R. E., & Kunsman, H. F.** Interrelations of proficiency measures. Ibid., 143–66.—**Length** of watch for radar operators. Gr. Britain Flying Pers. Res. Com., 1940–45, 50.—**Lindsley, D. B.** Radar operator fatigue; the effect of length and repetition of operating periods on efficiency of performance. Minutes Army Navy Vision Com., 1945, 9. meet., 26. ——— Visual status of ASV radar operators. Ibid., 28.—**Melton, A. W.** Special research projects; selection of radar operators. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 4, 926–34.

RADIAC instruments.

See under **Atomic energy.**

RADIAL nerve.

See also **Nerve injury,** Site; **Neurosurgery; Wrist.**

Gagliardone, C. R., & Vivar de León, E. D. Neurorrafia del radial; cura operatoria. Rev. san. mil., Asunción, 1937–38, **10:** 795–8.—**La Tour Mallett, A. E. de.** Nerve regeneration; observations on motor and sensory recovery in a case of injury to the radial nerve. J. R. Nav. M. Serv., 1946, **32:** 61; passim.—**Mayfield, F. H.** A new elastic splint for wrist drop. Bull. U. S. Army M. Dep., 1944, No. 73, 96.—**Novinsky, T. D.** [Orthopedic bandage for the hand in injuries of the radial nerve] Voen. san. delo, 1942, No. 8, 40.—**Salvini.** Sulle riparazioni chirurgiche nelle paralisi da lesioni traumatiche del nervo radiale mediante il metodo delle trasposizioni tendinee. Gior. med. mil., 1942, **90:** 841–53.—**Schneider, J.** Radialismanschette mit Einzelzug für jeden Finger. Deut. Militärarzt, 1943, **8:** 390.—**Support** of fingers and thumb in radial nerve paralysis. Bull. U. S. Army M. Dep., 1945, No. 88, 38.—**Zanello, D.** La mesoneurite nodulare di Vanleir; considerazione su di un caso di paralisi del N. radialis consequente a ferita di guerra. Riv. neur., Nap., 1942, **15:** 1–30.

RADIATION.

See also subsequent headings; also **Ultraviolet radiation.**

LAPP, R. E. Nuclear physics for the medical officer. Pt 1: X-rays and radioactivity. 10p. 27cm. Wash., 1947.

Gierlach, Z. S., & Krebs, A. T. Some preliminary observations on the effects of ultraviolet light, alpha rays and X-rays on 2,3,5-triphenyltetrazolium chloride solutions. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 7, 1–10.—**Łukaszewicz, F.** [Radium and Roentgen rays in medicine] Lek. wojsk., 1935, **25:** 681–704.—**Pezzi, G.** Radiazioni, fattori meteorici e malattie a ritmo stagionale. Ann. med. nav., Roma, 1944, 58–72.

—— Biological effect.

See under **Radiobiology.**

—— Detection.

See also under **Atomic energy; Radiometry.**

Detection instruments. Semiann. Rep. U. S. Atom. Energy Com., 1950, **7:** 74–7, illust.—**Field** instruments for the detection of ionizing radiation. In: Introduct. Radiol. Safety (U. S. Navy Bur. Med. Surg.) Wash., 1947, 35–40.—**Hazard** instrumentation. Atomic Energy Yearb., Lond., 1949, 118–21.—**Present, R. D.** Synopsis of basic ideas in the theory of radioactivity and the detection of radiation. U. S. Nav. M. Bull., 1948, **48:** Suppl., 94–9.

—— Pathological effect.

See under **Radiation injury.**

—— Protection and hazards.

See also **Radioactive material.**

MORGAN, G. W. Some practical considerations in radiation shielding. 23p. 27cm. Oak Ridge, 1948.

Forms No. B–4, Isotopes Div. Circ. U. S. Atom. Energy Com.

MORGAN, K. Z. Health physics and its control of radiation exposures at Clinton Laboratories. 6p. 27cm. Oak Ridge, 1947.

Forms MDDC 937, Docum. U. S. Atom. Energy Com.

——— Health physics and radiation protection. 17p. 26½cm. Oak Ridge, 1949.

Forms No. AECD 2217, Docum. U. S. Atom. Energy Com.

UNITED STATES. ATOMIC ENERGY COMMISSION. Document MDDC–992: Safety rules and procedures concerning activity hazards. 42p. 27cm. Oak Ridge, 1944.

Avery, R. E. X-radiation protection. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 26, 8–10.—**Eftal Recai Aşar** [Principal decisions of the International Commission for protection against the ill effects of roentgen and radium rays] Askerî sıhhiye mecmuası, 1935, **64:** 37–43.—**Ismet** [Protection of radiologists and their choice] Ibid., 1936, **65:** 34–8.—**Principles** underlying protective measures. Atomic Energy Yearb., Lond., 1949, 112.—**Protection** against radiation. BIOS Final Rep., Lond., 1947, Item 24, No. 566, 21. Also Semiann. Rep. U. S. Atom. Energy Com., 1949, **6:** 56–74, illust.—**Results** of protective measures. Ibid., 58–60.—**Wirth, J. E.** Protective clothing and devices. Docum. U. S. Atom. Energy Com., 1949, MDDC–247, 3. ——— Contamination of persons. Ibid., 4. ——— Contamination of areas. Ibid., 6. ——— Summary of responsibilities for the enforcement of radiation rules. Ibid., 12.

—— Tolerance.

See also **Radiation gamma,** Tolerance.

CANTRIL, S. T., & PARKER, H. M. The tolerance dose. 22p. 27cm. Oak Ridge, 1945.

Forms MDDC 100, Docum. U. S. Atom. Energy Com.

Cantril, S. T., & Parker, H. M. The history of the tolerance dose. Docum. U. S. Atom. Energy Com., 1948, MDDC–1100, 5–7. ——— The biological aspects of the tolerance dose. Ibid., 7–14. ——— The dependence of tolerance dose on the nature of the radiation. Ibid., 14–8. ——— The legal status of the tolerance dose. Ibid., 18. ——— The applicability of animal experimentation to tolerance dose in man. Ibid., 20.—**Dorneich, M., Jaeger, R.** [et al.] Strahlenschutz und Toleranzdosis. FIAT Rev., Wiesb., 1948, Biophysics, 177–226.—**Rajewsky, B.** Toleranzdosis für verschiedene Strahlenarten. Ibid., 220–6.

RADIATION gamma.

See also **Atomic energy; Radiation; Radiodiagnostics; Radiography; Radiology; Radiotherapy.**

Dantas Itapicurú Coelho, M. Considerações em torno das radiações de Roentgen. Arq. brasil. med. nav., 1943, **4:** 359–62.—**Goodman, C.** Neutron and gamma ray absorption studies. Q. Project Sum. Off. Nav. Res., 1948, July, 54.—**Harnwell, G. P.** [The properties of gamma rays] Ibid., 52.—**Hughes, A. L.** [Absorption of gamma rays] Ibid., 52.—**Williams, A. E.** Röntgen radiation; its production, and relation to natural phenomena. U. S. Veterans Bur. M. Bull., 1930, **6:** 177–88.

—— Biological effect.

See under **Radiobiology.**

—— Generator.

See **Radiology,** Apparatus.

—— Hard rays.

See with **Radiobiology,** Specific effects of radiation.

—— Measurement.

See **Radiometry.**

—— Pathological effect.

See **Radiation injury.**

—— Protection.

See **Radiation,** Protection and hazards.

—— Tolerance.

See also **Radiation,** Tolerance.

CRAVER, L. F. Tolerance to whole-body irradiation of patients with advanced cancer. 14p. 27cm. Oak Ridge, 1947.

Forms MDDC 993, Docum. U. S. Atom. Energy Com.

CRONKITE, E. P., SIPE, C. R. [et al.] The increased tolerance of mice to a lethal dose of X-ray radiation as a result of previous sublethal exposures. 5p. 26½cm. Bethesda, 1948.

Forms Rep. No. 15, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Increased (The) tolerance of mice to a lethal dose of X-ray radiation as a result of previous sublethal exposures. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 13.—**Raison, T. W.** Permissible radiation exposure in radiography and fluoroscopy. U. S. Nav. M. Bull., 1930, **28**: 67–74.

RADIATION injury [and sickness]

See also **Atomic bomb,** Pathological effect; **Atomic warfare,** Medical aspect; **Injury**—by weapons: Radiation injury; **Radioactivity.**

CRONKITE, E. P. The diagnosis of ionizing radiation injury by physical examination and clinical laboratory procedures. 13p. tab. diagr. 27cm. Bethesda, 1948.

Forms Rep. No. 8, Proj. NM 007 039, U. S. Nav. M. Res. Inst.

—— The clinical manifestations of acute radiation illness produced in goats by exposure to an atomic bomb, Test Able, Bikini, 1946, with comments on therapy. 40p. 27cm. Bethesda, 1948.

Forms Rep. No. 10 of preceding project.

Acute radiation burns. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 33–5.—**Acute** radiation illness. Ibid., 29–33.—**Clinical** (The) manifestations of acute radiation illness produced in goats by exposure to an atomic bomb, Test Able, Bikini, 1946, with comments on therapy. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 10.—**DeCoursey, E.** Effects of radiation on tissues. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, 5: No. 3, 12–5.—**Diagnosis** (The) of ionizing radiation injury by physical examination and clinical laboratory procedures. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 13.—**Long-term** effects of radiation. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6**: 53–5.—**Timmes, J. J.** Radiation sickness in Nagasaki; preliminary report. U. S. Nav. M. Bull., 1946, **46**: 219–24.

—— Hazards.

See also **Radiation,** Protection and hazards.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 62: Excessive X-radiation exposures during roentgenography and roentgenoscopy. 6p. 26cm. Wash., 1944.

Also published as TB 10A–79, Techn. Bull. U. S. Veterans Admin., 1947.

Behrens, C. F. Fluoroscopic hazards; including use of unprotected radiographic screens. U. S. Nav. M. Bull., 1945, **44**: 333–40.—**Didiée.** Les dangers des rayons X dans la pratique médicochirurgicale courante. Bull. Soc. méd. mil. fr., 1946, **40**: 25–9.—**Merlo Gómez, J. F.** Los peligros de las irradiaciones. Rev. san. mil., B. Air., 1934, **33**: 367–94.

—— Pathology.

BARNETT, T. B. Experimental radiation pathology. 11p. 27cm. Oak Ridge, 1949.

Forms No. AECD 2614, Docum. U. S. Atom. Energy Com.

CANTRIL, S. T., JACOBSON, L., & NICKSON, J. J. The effects of irradiation on the blood and blood forming tissues. 31p. 26½cm. Oak Ridge, 1949.

Forms No. MDDC 991 of preceding set.

MARKS, E. K. Effects of radiation exposure on the cells of the peripheral blood. 3p. 27cm. Oak Ridge, 1947.

Forms MDDC 912 of preceding set.

Krebs, A. T., & Gierlach, Z. S. Vital staining of tissues and cells as a tool for studying radiation damage. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 3, No. 18, 1; Proj. 4, No. 17, 1.—**Nègre.** Les lésions du sang et des organes hématopoïétiques par les rayons X. Rev. Corps san. mil., Par., 1948, **4**: 126–43.

—— Physiopathology.

Dutrey. Réflexions sur le sang des radiologistes. Bull. Soc. méd. mil. fr., 1937, **31**: 448–57.—**Matz, P. B.** The effect of the X-rays on the blood of Röntgen-ray workers. U. S. Veterans Bur. M. Bull., 1926, **2**: 10–6.—**Mitchell, R. B., & Keyes, G. H.** The antibody response of animals exposed to X-radiation. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 13.—**Vikentjev, A. A.** [Extensive burn during the taking of a Röntgenogramme, and its treatment] Voen. med. J., Petrogr., 1914, **241**: Med. spec. pt, 486–8.

—— Total body irradiation.

See also **Radiation gamma,** Tolerance.

ALLEN, J. G., SANDERSON, M. [et al.] Hyperheparinemia; the cause of the hemorrhagic disease produced by total-body exposure to ionizing radiations. 33p. 26½cm. Oak Ridge, 1949.

Forms No. MDDC 481, Docum. U. S. Atom. Energy Com.

BARROW, J., & TULLIS, J. L. The sequence of cellular response to injury in mice exposed to 1100 r total body X-radiation. 43p. 27cm. Bethesda, 1949.

Forms Rep. No. 23, Proj. NM 007 039, U. S. Nav. M. Res. Inst.

—— & CHAMBERS, F. W., jr. The effect of total body X-radiation, antistine, and pyribenzamine on the phagocytic function of the reticulo-endothelial system in rabbits injected intravenously with radioactive collodial gold. 29p. 27cm. Bethesda, 1949.

Forms Rep. No. 24 of preceding project.

CHAPMAN, W. H., SIPE, C. R. [et al.] A method for the simultaneous exposure of large numbers of animals to single dose high intensity total body X-ray radiation. 8p. 26½cm. Bethesda, 1948.

Forms Rep. No. 14 of preceding project.

CRONKITE, E. P., & CHAPMAN, W. H. A critical analysis of the syndrome of acute total body radiation illness; its role in atomic warfare and its influence on the future practice of military medicine. 23p. 26½cm. Bethesda, 1949.

Forms Rep. No. 19 of preceding research project.

CRONKITE, E. P., TULLIS, J. L. [et al.] The failure of folic acid to alter the clinical course and hematologic picture of fatal single total body irradiation in swine. 6p. 26½cm. Bethesda, 1948.

Forms Rep. No. 18 of preceding project.

CRONKITE, E. P., ULLRICH, F. W. [et al.] The response of the peripheral blood of swine to whole body X-ray radiation in the lethal range. 11p. 27cm. Bethesda, 1949.

Forms Rep. No. 21 of preceding project.

KOHN, H. I., ROBINETT, P. W., & CUPP, M. N. The effect of rutin upon the response of the rat to total body X-irradiation. 7p. 27cm. Oak Ridge, 1948.

Forms AECD 2176, Docum. U. S. Atom. Energy Com.

LAWRENCE, G. H. The effect of total X-radiation on 17 ketosteroid excretion in dogs. 13p. 27cm. Bethesda, 1949.

Forms Rep. No. 22, Proj. NM 007 039, U. S. Nav. M. Res. Inst.

LORENZ, E. K. F. Biologic effects of long-continued whole body irradiation with gamma rays on mice, guinea pigs, and rabbits; conclusions and applicability of results to the problem of human protection. 22p. 27cm. Oak Ridge, 1946.

Forms MDDC 656, Docum. U. S. Atom. Energy Com.

—— & HESTON, W. E. [The same] ... Preliminary experiments. 16p. 27cm. Oak Ridge, 1946.

Forms MDDC 653 of preceding set.

—— [et al.] Biological effects of whole body irradiation with gamma rays; effects on life span,

weight, blood picture, and carcinogenesis; and the role of the intensity of radiation. 115p. 27cm. Oak Ridge, 1946.
Forms MDDC 655 of preceding set.

Tullis, J. L. The response of tissue to total body irradiation. 23p. 26½cm. Bethesda, 1948.
Forms Rep. No. 11, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

—— Tessmer, C. F. [et al.] The lethal dose of total body X-ray irradiation in swine. 9p. 27cm. Bethesda, 1947.
Forms Rep. No. 3 of preceding project.

Failure (The) of folic acid to alter the clinical course and hematologic picture of fatal single total body irradiation in swine. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 15.—**Response** (The) of tissue to total body irradiation. Ibid., 11.

—— Treatment.

See also **Atomic warfare,** Medical aspect.

Chapman, W. H., Sipe, C. R. [et al.] Sulfhydryl-containing agents and the effects of ionizing radiations; beneficial effect of glutathione injection on X-ray induced mortality rate and weight loss in mice. 15p. 27cm. Bethesda, 1949.
Forms Proj. NM 006 012 08 25, U. S. Nav. M. Res. Inst.

Cronkite, E. P., Eltzholtz, D. C. [et al.] Failure of rutin to decrease the mortality of acute ionizing radiation illness in mice. 9p. 26½cm. Bethesda, 1948.
Forms Rep. No. 16, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Kohn, H. I. On the modification of the toxicity of X rays by immunization. 5p. 27cm. Oak Ridge, 1949.
Forms No. AECU 610, Docum. U. S. Atom. Energy Com.

Lawrence, J. S., Valentine, W. N., & Adams, W. S. Thrombopenic purpura; the failure of direct blood transfusion to raise the platelet level. 5p. 26½cm. Oak Ridge, 1949.
Forms No. AECD 2016, Docum. U. S. Atom. Energy Com.

Cronkite, E. P. The clinical manifestations of acute radiation illness in goats; comments on therapy. U. S. Nav. M. Bull., 1949, **49:** 199–215.—**Failure** of rutin to decrease the mortality of acute ionizing radiation illness in mice. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 14.—**Genaud.** Thérapeutique des radiolésions causées par l'explosion atomique. Sem. hôp., Par., 1949, **25:** 2391–5.—**Martínez Pazos, A.** El tratamiento del mal de rayos; modernas aportaciones a la terapéutica del cuadro sindrómico, asi denominado. Med. & cir. guerra, 1947, **9:** 183.—**Pendergrass.** Effect of sympathectomy and hyperthyroidism on extent of X-ray reaction. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 34.—**Talbot, J. M., Pickering, J. E., & Richey, E. O.** Bone marrow implants in the treatment of radiation sickness. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 11; 1949, Jan., 17.

RADIATION shielding.

See under **Radiation,** Protection.

RADIATION sickness.

See with **Radiation injury.**

RADICULITIS.

See under **Neuritis.**

RADIO.

See also **Radar observer; Radio technician; Signal Corps.**

Fitts, P. M. Discrimination of aural radio range signals. In his Psychol. Asp. Equip. Design, Dayton, 1949, 45.—**Gray, G. W.** Micro waves. In his Science at War, 3. ed., N. Y., 1943, 125–7. ——— The use of FM radio. Ibid., 127–30.—**Partridge, R. C., Fletcher, J. P., & Goodwin, J. E.** Studies on fatigue of pitch discrimination. Proc. Com. Nav. M. Nat. Res. Counc. Canada, 1945, 4. meet., 67–74, 3 ch.—**Rosengarten, G.** And the rockets' red glare. In: Science in War (Philadelphia Coll. Pharm.) 1942, 76–84.—**Shoch, D. E., Tonndorf, J.** [et al.] Effect of listening to aircraft radio for lengthy intervals on auditory acuity. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 15; Apr., 18; July, 10; Oct., 7; 1949, Jan., 12.

RADIOACTIVE material.

See also **Radioactivity; Radioisotope;** also **Radiation,** Protection and hazards.

Hempelmann, L. H. Protection of laboratory personnel handling radioactive materials. 12p. 27cm. Oak Ridge, 1947.
Forms MDDC 848 (or, LADC 395) Docum. U. S. Atom. Energy Com.

United States. War Department. Pamphlet No. 8–8: Radioactive luminous compounds; protective measures. 11p. 23cm. Wash., 1944.

Gurević, M., & Zhislin, S. Reaktivnye sostojanija. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1060–3.—**Morgan, K. Z.** Hazards presented by radioactive materials and how to cope with them. U. S. Nav. M. Bull., 1948, **48:** Suppl., 142–60.—**Tompkins, P. C.** Laboratory handling of radioactive material; protection of personnel and equipment. Ibid., 164–75.—**Wirth, J. E.** Disposal of active trash, unwanted active materials or equipment. Docum. U. S. Atom. Energy Com., 1949, MDDC–247, 10.

RADIOACTIVITY.

See also **Atomic energy,** Medical aspects; **Atomic warfare; Radiation; Radioactive material; Radioisotope; Radium.**

Beischer, D. E. Radioactive monomolecular layers. 9 l. 27cm. Pensacola, 1949.
Forms Rep. No. 1, Proj. No. NM 000 007, Res. Rep. U. S. Nav. School Aviat. M.

Siri, W. E. Handbook of radioactivity and tracer methodology. 867p. 28cm. Dayton, 1948.
Forms Techn. Rep. No. 5669, U. S. Air Force; also forms Memo. Rep. No. MCREXD–696–60, Aero M. Laborat. U. S. Air Force.

RADIOACTIVITY measuring cup.

See also **Radiometry.**

Smith, R. E., & Bronson, J. F. An improved radioactivity measuring cup. 2p. 26½cm. Bethesda, 1948.
Forms Rep. No. 6, Res. Proj. NM 011 015, U. S. Nav. M. Res. Inst.

RADIOARGON.

See under **Radioisotope.**

RADIOAUTOGRAPHY.

See also **Radiography; Radioisotope; Radium.**

Axelrod, D. J., & Hamilton, J. G. The radioautographic technique. U. S. Nav. M. Bull., 1948, **48:** Suppl., 122–41.—**Pool, M. L.** Radio autographs. Q. Project Sum. Off. Nav. Res., 1948, July, 417.—**Tomiie, M.** Hutatabi roentgen syasin ingasi tyokusetu satuei hō ni tuite [Methods of taking roentgenographs directly on the printing paper] Gun idan zassi, 1930, 549, pl.

RADIOBIOLOGY.

See also **Radiation; Radioisotope; Radiotherapy.**

Lorenz, E., Eschenbrenner, A. [et al.] Biological action of gamma and X-rays. 33p. 27cm. Oak Ridge, 1944.
Forms MDDC 907, Docum. U. S. Atom. Energy Com.

Clark, L. B. Biological effects of high voltage radiation. Q. Project Sum. Off. Nav. Res., 1948, July, 417.—**Hartsock, F. M.** Radiant energy as a factor in medicine. Mil. Surgeon, 1929, **65:** 366–70.—**Pezzi.** IV. Congresso nazionale di radiobiologia; Torino 28–29–30 maggio 1939–XVII. Ann. med. nav., Roma, 1939, **45:** 459–63.—**Radiation** and life. Semiann. Rep. U. S. Atom. Energy Com., 1949, **6:** 18–55, illust.—**Vial González, D.** Acción biológica de la radiaciones. Rev. san. nav., Valparaiso, 1938, **8:** 36–44.

—— Methods.

See also **Radioisotope,** Radiocobalt (and other subheadings)

Beadle, G. W. Biological effects of radiation on Neurospora. Q. Project Sum. Off. Nav. Res., 1948, July, 416.—**Gierlach, Z. S., & Krebs, A.** Fluorescent microscopical investigations on irradiation effects on single cells and cell groups. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 2, No. 22, 1.

—— Specific effects of radiation.

CRADDOCK, C. G., jr, & LAWRENCE, J. S. The effect of roentgen irradiation on antibody formation in rabbits. 24p. 27cm. Oak Ridge, 1948.
Forms MDDC 1698, Docum. U. S. Atom. Energy Com.

GUZMAN BARRON, E. S. Some aspects of the biological action of radiation. 6p. 27cm. Oak Ridge, 1946.
Forms MDDC 484 of preceding set.

HARVEY, R. A. The effect of acute and chronic doses of roentgen rays on monkey finger ridge detail. 16p. 27cm. Oak Ridge, 1946.
Forms MDDC 215 of preceding set.

HENSHAW, P. S., RILEY, E. F., & STAPLETON, G. E. The biologic effects of pile radiations. 26p. 27cm. Oak Ridge, 1946.
Forms MDDC 259 of preceding set.

STEARNER, S. P., SIMMONS, E. L., & JACOBSON, L. O. The effect of X irradiation on the peripheral blood and blood-forming tissues of splenectomized rats. 16p. 26½cm. Oak Ridge, 1947.
Forms AECD 2022 of preceding set.

SUTER, G. M. Response of hematopoietic system to x-rays. 8p. 26½cm. Oak Ridge, 1947.
Forms MDDC 824 of preceding set.

Behnke, A. R. Medical aspects of ionizing radiations. Sympos. Mil. Physiol., Wash., 1947, 65.—**Cantril, S. T., & Parker, H. M.** Skin effects. Docum. U. S. Atom. Energy Com., 1948, MDDC-1100, 10–2.—**Eftal Recai Aşar** [On the penetration of short rays into the blood and organs (Roentgen rays)] Askerî sıhhiye mecmuası, 1940, **69:** 66–71.—**Kandatu, K.** [The effect of hard X-ray radiation on striped muscle and its histological study] Bull. Nav. M. Ass., Tokyo, 1930–31, **19:** 1–3.—**Lawrence, J. H.** Immediate and delayed biochemical and biological effects of irradiation on animal tissues. Q. Project Sum. Off. Nav. Res., 1948, July, 412–4.—**Meigs, J. V.** Response of cells (desquamate) to deep radiation. Ibid., 417.—**Mitchell, R. B., Keyes, G. H., & Anderson, D. T.** The antibody response of animals exposed to X-radiation. Q. Res. Rep. U. S. School Aviat. M., 1949, July, 14.—**Szulc, G.** [Irradiation and metabolism] Lek. wojsk., 1938, **31:** 645–62.

RADIOCARBON.

See under **Radioisotope.**

RADIOCOBALT.

See under **Radioisotope.**

RADIODIAGNOSTICS.

See also **Gastrointestinal tract; Injury,** Examination; **Radiography;** also under names of parts and organs.

RÖNTGEN-ATLAS DER KRIEGSVERLETZUNGEN. 109p. 30½cm. Hamb., 1916.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–12: Monthly report of radiographic and fluoroscopic activities, VA Form 10–2685. 5p. 27cm. Wash., 1946.

Behrens, C. F. X-Rays in military surgery. Surg. Clin. N. America, 1941, **21:** 1783–92.—**Davis, K. S.** The limitations of the x-ray in diagnosis. U. S. Nav. M. Bull., 1942, **40:** 304–8, 4 pl.—**Henderson, N. P.** X-ray examination of service men. Brit. M. J., 1940, **2:** 431.—**Ott, P.** Rückblick über die Entwicklungen auf dem Gebiet der Röntgendiagnostik in den letzten Jahren. Deut. Militärarzt, 1936, **1:** 321–6.—**Pennington, J. H.** A method for effecting economy in X-ray examinations. Med. Bull. Veterans Admin., 1941–42, **18:** 399.—**Radiological** examination by means of screening. Bull. Army M. Dir., Lond., 1941, No. 2, 4.—**Reinberg, S., & Kopelman, S.** Rentgenodiagnostika. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1101–10.—**Stokes, C. F.** Roentgen rays in military surgery. Tr. Am. Roentg. Ray Soc., 1905–06, 203–9.—**Strauss, O.** Ueber Röntgenuntersuchungen in Garnisonlazaretten. Deut. mil. ärztl. Zschr., 1914, **43:** 575–86.—**Weve, H.** Röntgenologisch onderzoek, een onontbeerlijk diagnostisch hulpmiddel in de ongevals- en oorlogsoogheelkunde. Mil. geneesk. tschr. 1917, **21:** 269–87.

——Fluoroscopy.

See also **Medical examination,** Thoracic radiography; **Radiography.**

DUVET, M. *La radioscopie systématique dans la première région militaire. 55p. 24cm. Lille, 1939.

Alder, A. Die systematische Röntgendurchleuchtung in der Armee. Schweiz. med. Wschr., 1936, **66:** 135–7. ——— & **Rothpletz.** Zur Frage der Röntgendurchleuchtungen in der Armee. Vjschr. schweiz. Sanitätsoff., 1925, **2:** 8–15.—**Grass.** Die Organisation der Schirmbilduntersuchung in der Wehrmacht. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 234–7.—**Hutton, E. W.** A plea for routine radioscopy in military hospitals. Lancet, Lond., 1916, **2:** 658.—**Junquet, H. X. J., & Jacob, E. M. A.** Quelques considérations sur les résultats de radioscopie systématique du contingent. Rev. Serv. san. mil., Par., 1936, **104:** 641–56.—**Maupetit, G.** Il est logique de faire de la radioscopie dans les ambulances de l'avant. Rev. gén. clin. thér., Par., 1915, **29:** 506.—**Screening** fluoroscopy. Bull. Army M. Dep., Lond., 1943, No. 20, 12.—**Vasfi Yener** [Significance of systematic radioscopy and systematic radiography in military medicine] Askeri sihhiye mecmuasi, 1941, **70:** 20–32.—**Weber, H. H.** Beiträge zum Thema Röntgendurchleuchtung in der Armee. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 126 (Abstr.)

—— Fluoroscopy: Apparatus and equipment.

See also **Radiology,** Apparatus and equipment; **Radiopaque screen.**

UNITED STATES. DEPARTMENT OF THE ARMY. Technical manual, TM 8–633: X-ray field unit, fluoroscopic, foreign body localization, complete, item 9621500. 68p. 23cm. Wash., 1945.

Bonnet, W. L. New x-ray devices; fluoroscopic pressor device. Air Surgeon Bull., 1945, **2:** 7.—**Borzell, F. F.** Report on a method of fluoroscopic examination with the army bedside unit. Am. J. Roentg., 1919, n. ser., **6:** 454. Also Arch. Radiol. Electrother., Lond., 1919–20, **24:** 350.—**De Lorimier, A. A., Cowie, D. B., & White, T. N.** Protective features provided with the United States Army field roentgenoscopic equipment. Am. J. Roentg., 1943, **49:** 653–61.—**Hodes, P. J.** Protective shield for use with roentgenoscopic field unit. Bull. U. S. Army M. Dep., 1946, **6:** 477–9.—**Hodges, P. C.** Amplification of the fluoroscopic image to facilitate greater usefulness of clinical fluoroscopic procedures. Q. Project Sum. Off. Nav. Res., 1948, July, 405.—**Mashin, V. V.** [A roentgenoscope for surgeons] Voen. san. delo, 1942, No. 7, 67.—**Poindexter, W. R.** Improvised fluoroscopic equipment. Field M. Bull. U. S. Army, N. Delhi, 1943, **2:** 68.

—— Interpretation of data.

Barbacci, G. Sulle immagini opache addominali in medicina militare. Bol. Accad. med. pistoiese, 1941, **14:** 227–9.—**Borello, G.** Di alcuni reperti radiografici. Gior. med. mil., 1926, **74:** 43–6.—**Boriani, G.** Considerazioni sul primo migliaio di esami radiologici praticati. Ibid., 1942, **90:** 449–59.—**Hernández Bermeu, F.** El error en radio-diagnostico y sus causas. Mem. Convenc. méd. mil. mex., 1936, 294–8.—**Iliescu, N. C.** [Practical notes on roentgenological symptomatology] Rev. san. mil., Bucur., 1939, **38:** 91–8.—**Impallomeni, R.** Può avere significato medico-legale militare il reperto di radiologo non militare? Policlinico, 1943, **50:** sez. prat., 19–21.—**Richards, G. E.** X-ray reports. J. R. Army M. Corps, 1917, **29:** 221–4.

—— Stereoradioscopy.

Garrett, L. M. Roentgen stereoscopy; a method for increasing stereoscopic effect. Bull. U. S. Army M. Dep., 1944, No. 82, 117.—**Hirtz, E. J.** La radiostéréoscopie en chirurgie de guerre. J. radiol. électr., 1916, **2:** 98–101.—**Hutto, G. M., & Fletcher, J. C.** Stereoroentgenography. U. S. Nav. M. Bull., 1944, **42:** 1371–8.—**Lobeck, E.** Ueber behelfsmässige Geräte zur Herstellung und Betrachtung stereoskopischer Röntgenaufnahmen. Deut. Militärarzt, 1943, **8:** 353–5.—**New** portable X-ray stereoscope. U. S. Nav. M. Bull., 1949, **49:** 792–4.—**Scorse, S. W.** Stereoscopy from a flat plate. Field M. Bull. U. S. Army, N. Delhi, 1942, **1:** 43. Also Mil. Surgeon, 1943, **93:** 190–2.

—— Technic.

See also **Dentistry,** Radiology; **Medical examination,** Thoracic radiography; **Radiopaque substance.**

Behrens, C. F. Newer aspects of abdominal roentgenology. U. S. Nav. M. Bull., 1940, **38:** 47–52.—**Chatelain, J.** L'examen radiologique au lit du blessé. Paris méd., 1919, **31:** 108–10.—**Cieszynski.** Systematic method of X-ray examination of the bones of the face and jaws. Rev. War Surg. & M., 1919, **2:** No. 5, 37–42.—**Hino, K.** Roentgen-sindan ni yoru kenkō-hei ityō no keitō-teki kenkyū [Systematic studies on the gastrointestine of the healthy soldier by means of roentgen diagnosis] Gun idan zassi, 1943, 1335–45.—**Holzman, E. M.** Kratkaja rentgenodiagnostika ognestrelnykh ranenij centralnoj i perifericeskoj nervnoj sistemy. In: Osn. voen. polev. neirokhir. (Bondarčuk, A. V.) Leningr., 1942, 357–72.—**Imayosi, M.** Hukukō-nai sanso tyūnyū ni yoru hukukō-zōki no roentgenkensa ni tuite [X-ray examination of internal organs in the

abdominal cavity by introducing oxygen into the latter] Kaigun gun-ikai zassi, 1921, No. 33, 1–12, pl.—**Shulutko, L. I., & Goldstein, D. E.** Diagnostićeskaja cennost fistulografii v klinike travm voennogo vremeni. Voen. med. sborn., 1944, 1: 129–36, 6 pl.

—— in war.

See also **Radiology**—in war.

Loose, G. Röntgenuntersuchungen im Kriege. Münch. med. Wschr., 1914, 61: 2190.—**Rossi, A.** Ancora sull'uso del cartoncino radiografico in radiologia di guerra. Boll. Soc. med. Parma, 1916, 2. ser., 9: 14. Also Gazz. med. lombard., 1916, 75: 269.

RADIOGALLIUM.

See under **Radioisotope.**

RADIOGRAPH.

See also **Radiography.**

Freidin, L. M. Obrabotka rentgenogramm v polevykh uslovijakh. Voen. san. delo, 1940, No. 8, 24–6.—**Martínez Pazos, A.** Calidad de las radiografías. Med. & cir. guerra, 1949, 11: 443–54.

—— Conservation.

United States. War Department. Technical bulletin TB MED 99: Life of photoroentgen films. 3p. 26cm. Wash., 1944.

Conservation of x-ray film. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 18, 17–9.

—— Marking and filing.

Kossmann, C. E. Codification of X-rays at the AAF School of Aviation Medicine. 3p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 455, U. S. Air Force School Aviat. M.

Bardwell, H. A. Identification of x-ray films in court trials. Med. Bull. Veterans Admin., 1935, 12: 173–7.—**Bolton, V. L.** Identification of radiographs in the field. Mil. Surgeon, 1942, 90: 434.—**LaVelle, F. L.** Marking and filing of radiographs. Bull. U. S. Army M. Dep., 1948, 8: 408.—**Lemkin, S.** The identification tag, dog tag, in x-ray film identification. Army M. Bull., 1942, No. 63, 166.—**Sweet, A. P. S.** X-ray film storage. U. S. Nav. M. Bull., 1943, 41: 1159–61.—**Tainter, E. G., & Bauer, A. J.** Identification of x-ray films in the field; flash box system of marking. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 29, 28–31.—**Wood, J. P.** X-ray diagnostic file system. U. S. Nav. M. Bull., 1949, 49: 339–46.

—— Material.

United States. War Department. Technical bulletin TB MED 191: Transportation and storage of unexposed sensitized materials. 4p. 26cm. Wash., 1945.

Bergerhoff, W. Filme und Verstärkerfolien für Feld-Röntgengeräte. Deut. Militärarzt, 1944, 9: 241–5.—**Gutman, M. N., & Kirichinsky, B. R.** [Hypersensitization of film for roentgen photography] Voen. san. delo, 1942, No. 11, 68.—**Rabinersohn, A. B.** [Roentgen paper and its application during military operations] Ibid., 1941, No. 8, 86–8.—**Vilvandré, G.** The substitution of gelatine films for the usual expensive X-ray plates. J. R. Army M. Corps, 1916, 26: 108.

—— Processing.

Apparatus for transporting wet X-ray films. Bull. U. S. Army M. Dep., 1945, No. 86, 45.—**Arenson, N.** A drier-ventilator for the processing of roentgen film. Med. Bull. North Afr. Theater U. S., 1944, 2: 41.—**Carabello, N. C.** Direct duplication of roentgenograms by artificial solarization. Bull. U. S. Army M. Dep., 1945, 4: 728. Also Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 36.—**Garland, L. H., & Harris, M. T.** Wet-film X-ray viewing room. U. S. Nav. M. Bull., 1945, 44: 1288–91.—**Heisig, W.** Entwicklung von Röntgenfilmen bei Tageslicht. Deut. Militärarzt, 1942, 7: 332.—**Sachkov, I. F.** [Quick development of roentgenograms] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 311.—**Schmidt.** Ein einfacher Fixations-Apparat für Röntgenaufnamen. Deut. mil. ärztl. Zschr., 1909, 38: 540–8.—**Sweet, A. P. S.** Processing x-ray film under tropical conditions. U. S. Nav. M. Bull., 1944, 43: 160.—**Viewing** box for use with overexposed films. Bull. U. S. Army M. Dep., 1945, No. 87, 44.—**Wright, E. M., & Saeler, H. M.** A simple method of air agitation for photoroentgen film washing. Ibid., 4: 734.

RADIOGRAPHY.

See also **Jaw, Injury; Joint; Nasal sinus; Neurology, Examination methods; Radiodiagnostics; Radiology; Tuberculosis,** Radiography.

Bogućević, A. P. Основи из рентгенологије. 74p. 22½cm. Beogr., 1934.

Voj. san. glasnik, 1934, 5: Suppl.

Great Britain. War Office. Field service handbook of practical radiography. 141p. 8° Lond., 1946.

Ashwin, C. Economy in radiography; its uses and abuses. Radiography, Lond., 1942, 8: 121–5.—**Calvo-Flores.** Notas radiográficas. Rev. san. mil., Madr., 1918, 3. ser., 8: 389–93.—**Couturier.** La radiographie à l'Hôpital militaire de Beveren. In: Liv. jub. P. Derache, Brux., 1933, 11–16.—**Harris, H.** Radiography at the Australian Voluntary Hospital, Boulogne. Brit. J. Surg., 1914–15, 2: 473.—**Ivanov, I. N.** Opyt i perspektivy fljuorografii v voennoj medicine. In: Opyt sovet. med. Velik. otеć. vojne, Moskva, 1950, 25: 61–7, 5 pl.—**Khoroshilov.** Rentgenovskij kontrol pri prizve i v povsednevnoj rabote vraća. Voen. san. delo, 1940, No. 6, 47–51.—**Lighter** side of Army radiography. Radiography, Lond., 1944, 10: 85.—**Potous, J.** La radiografía en la campaña de Melilla. Rev. san. mil., Madr., 1912, 3. ser., 2: 69–71.

—— Apparatus and equipment.

See also **Radiodiagnostics,** Fluoroscopy: Apparatus; **Radiology,** Apparatus and equipment.

United States. War Department. Technical manual TM 8-634: Dental X-ray machine (items 6088005, 6088010) 44p. 23cm. Wash., 1945.

Equipamento radiológico desmontavel para uso em catástrofes naturais ou em caso de guerra. Fol. méd., Rio, 1940, 21: 349.—**Frisoni, G. P.** Modificazione ed aggiunta recentemente apportate all'apparecchio radiografico portatile Ferrero di Cavallerleone in dotazione al R. Esercito. Radiol. med., Torino, 1915, 2: 234–6.—**Haenisch, F.** Eine selbständige, transportable Feldröntgenanlage für interne und chirurgische Untersuchungen nach Prof. L. Brauer und Dr. F. Haenisch-Hamburg. Fortsch. Röntgenstrahl., 1915, 23: 38–46.—**Hardman, G. L.** The use and limitations of the portable service-afloat X-ray unit. J. R. Nav. M. Serv., 1947, 33: 67–79.—**Lorimier, A. A. de, & Dauer, M.** The Army roentgen-ray equipment problem. Am. J. Roentg., 1945, 54: 673–87.—**Molt, F. F., & Feeley, N. O.** Medical roentgenography with dental machines. Dent. Digest, 1944, 50: 65–8.—**Polygraph** (A) for X-ray work. Bull. U. S. Army M. Dep., 1945, 4: 39.—**Savci, N. O.** [Installation and use of portable roentgen apparatus in the Army] Askerî sihhiye mecmuası, 1938, 67: 125–41.—**X-ray** equipment. Res. Program U. S. Army M. Res. Bd., 1946, Oct., 4–10.—**Yasen** X-hôsen kikai ni kan-suru kenkyū gaikyō [The present situation in studies in roentgen-ray apparatus for use in field operations (for the army)] Gun idan zassi, 1930, 839–66, 4 pl.

—— Apparatus and equipment: Various devices.

See also **Radiograph,** Processing.

United States. War Department. Technical bulletin TB MED 117: Electrical requirements for X-ray apparatus in the field or in temporary installations. 13p. 26cm. Wash., 1944.

Bonnet, W. L. New x-ray devices; cassette holder. Air Surgeon Bull., 1945, 2: 7.—**Broome, A. E.** A planigraph for the Victor R-29 X-ray Table. J. Canad. M. Serv., 1943–44, 1: 476–8.—**Ciner, E.** Immobilizing device for skull radiography. Bull. U. S. Army M. Dep., 1946, 5: 356.—**Eberhard, T. P.** Extension cylinder for x-ray field unit. Ibid., 6: 192.—**Greenberg, G. A.** Adaptable grid holder. Ibid., 5: 362.—**Guthrie, J. H.** Advantages of cones in radiography. Treatm. Serv. Bull., Ottawa, 1947, 2: 28.—**Guyer, R. B.** Radiographic tube-stand for use with a field service X-ray outfit. J. R. Army M. Corps, 1940, 75: 50–2.—**Jay, B. D.** Glassless X-ray illuminator. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 50–2.—**Lang, B. T.** Aids to definition in X-ray work. J. R. Army M. Corps, 1920, 34: 35–44.—**Lightweight** film-cassette changer. U. S. Nav. M. Bull., 1949, 49: 337.—**Mammoser, L. F.** Moving grid for field X-ray unit. Bull. U. S. Army M. Dep., 1944, No. 77, 117.—**Smullen, W. C.** X-ray improvisations for an evacuation hospital. Ibid., 1946, 6: 632–4.—**Sunny, L. J.** An X-ray masking frame. Ibid., 1949, 9: 92.—**Tomšík, L.** [How to improve the secondary diaphragms in roentgenography] Voj. zdrav., listy, 1931, 7: 46–9.

—— Hazards.

See under **Radiation injury,** Hazards.

—— Kymography.

Laneri, G. Metodi radiochimografici. Gior. med. mil., 1939, 87: 1168–74.—**Meneses Hoyos, J., & Gómez del Campo, C.** La radiokimografía con rejilla móvil. Rev. méd. mil., Méx., 1939–40, 2: No. 11, 19–25.—**Villalonga, J. D.** Ensaios

de radio-quimografía linear segmentar. Rev. med. mil., Rio, 1941, **30**: 166–78.

—— Methods.

See also **Radioautography; Radiophotography.**

Bogatin, D. J. Izolirovannaja rentgenografija vek. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 194–6.—**Gershković, I. O.** [Fistulography] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 249.—**Hufnagel, V.** Die Verwendbarkeit des direkten Röntgenaufnahmeverfahrens (ohne Trockenplatten) im Felde. Deut. mil. ärztl. Zschr., 1912, **41**: 775–7.—**Navarro Cánovas, B.** Aspiración justisima; de la radiografía instantánea. Rev. san. mil., Madr., 1911, 3. ser., **1**: 273–9.—**Yokokura, S., & Takayama, K.** X-sen kansetu-satuei [Studies on indirect skiagraphy] Kaigun gun-ikai zassi, 1940, **29**: 603; 1941, **30**: 170, illust.

—— Stereoradiography.

See with Stereoradioscopy under **Radiodiagnostics.**

—— Technic.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 59/2a: Unterrichtsbuch für Sanitätsunteroffiziere und -mannschaften; die Röntgenaufnahmetechnik; allgemeiner Teil und Aufnahmeeinstellungen. 287p. 21cm. Lpz., 1944.

Bibler, L. D., & White, D. W. X-ray technic for diagnostic films with the Weber dental machine model-5. U. S. Nav. M. Bull., 1945, **44**: 170.—**Fuchs, A. W.** The optimum kilovoltage technique in military roentgenography. Am. J. Roentg., 1943, **50**: 358–65.—**Marcus, J.** Positioning for X-ray of perforating and graze fractures. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 18.—**Nižibicky, N. N.** Nekotorye uprośćenija v polućenii Rentgenovskikh snimkov. Voen. med. J., S. Peterb., 1911, **231**: Med. spec. pt, 449–506.—**Williams, R. G.** Pointers on positioning. Treatm. Serv. Bull., Ottawa, 1947, **2**: 30.

—— Tomography.

Bamberg, H. L. Eine Vereinfachung des selbstgebauten Gerätes für Körperschichtaufnahmen nach di Rienzo und Boher. Deut. Militärarzt, 1944, **9**: 123–8.—**Curčić, M.** [Roentgenological stratigraphy] Voj. san. glasnik, 1939, **10**: 331–3.—**Didiée, J.** Les résultats des méthodes radiologiques d'examen en coupe de l'organisme. J. radiol. électr., 1939, **23**: 304–9.—**Friedman, M. M., & Eberhardt, J. W.** Adaptation of standard field X-ray units for laminography. Bull. U. S. Army M. Dep., 1944, No. 73, 104–6.—**Robin, P. A.** A simple apparatus for body section radiography. Mil. Surgeon, 1945, **96**: 273–5.—**Sükrü Cangör.** Krooks'tübünden tomografiye kadar. Askerî sıhhiye mecmuası, 1944, **73**: No. 43, 48–59.—**Vial González, D.** La tomografía. Rev. san. nav., Valparaiso, 1939, **9**: 126.—**Wiener, M., White, C. M., & Lancaster, D. B.** Simple method of tomography with the standard Army field X-ray unit. Bull. U. S. Army M. Dep., 1945, **4**: 730–2.

RADIOIODINE.

See under **Radioisotope.**

RADIOISOTOPE.

See also **Atomic energy,** Medical aspects; **D D T; Radioactive material; Radioactivity; Radiotherapy; Radium.**

Siri, W. E. Handbook of radioactivity and tracer methodology. 867p. 28cm. Dayton, 1948.

Forms Techn. Rep. No. 5669, U. S. Air Force. Also forms Memo. Rep. No. MCREXD–696–60, Aero M. Laborat. U. S. Air Force.

Fernández Gervás, D. De la bomba atómica a los isótopos radioactivos. Med. & cir. guerra, 1948, **10**: 33–6.—**Malato, M. T.** Gli isotopi radioattivi. Ann. med. nav., Roma, 1949, **54**: 295–305.—**Smith, R. E.** Biological studies involving radioisotopes. Sympos. Mil. Physiol., Wash., 1947, 239–42.

—— Chemistry and physics.

See also **Radioautography.**

Cohen, K. Fundamentals of isotope separation. U. S. Nav. M. Bull., 1948, **48**: Suppl., 6–16.—**Du Vigneaud, V.** An illustration of the power of isotopes in a biochemical problem. Ibid., 176–84.—**Mitchell, A. C. G.** Nuclear spectroscopy. Research Rev. (U. S. Navy) 1949, Oct., 19–21.—**Reid, A. F.** Chemical methods of isotope separation. U. S. Nav. M. Bull., 1948, 48: Suppl., 205–9.—**Sprinson, D. B., & Rittenberg, D.** Preparation of gas samples for mass spectrometric analysis of isotope abundance. Ibid., 82–93.—**Watson, W. W.** Thermal diffusion and other physical methods of isotope separation. Ibid., 28–41.

—— Medical use.

See also **Atomic energy,** Medical aspects; **Radiotherapy.**

Dudley, H. C., Bronson, J. F., & Taylor, R. O. Shielding of syringes used for injecting radioactive solutions. 4p. 26½cm. Bethesda, 1949.

Forms Rep. No. 5, Res. Proj. NM 011 013, U. S. Nav. M. Res. Inst.

Lyon, G. M. Radioisotopes in medicine. 12p. 27cm. Wash., 1949.

Forms TB 10–50, U. S. Veterans Admin. Techn. Bull.

Behnke, A. R. Use of radioisotopes of inert gases. Sympos. Mil. Physiol., Wash., 1947, 64.—**Hastings, A. B., Aub, J. C., & Warren, S.** Isotope research and medicine. Q. Project Sum. Off. Nav. Res., 1948, July, 406–11.—**Isotope** laboratory at the Army Medical Center. Bull. U. S. Army M. Dep., 1949, **9**: 425–7. Also Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 5, 5.—**Lisco, H.** Dosage levels in administration of isotopes to animals and man. U. S. Nav. M. Bull., 1948, **48**: Suppl., 161–3.—**Lyon, G. M.** Radioisotopes in medicine. Mil. Surgeon, 1949, **104**: 171–5.—**Rhoads, C. P.** [Use of radioactive isotopes P^{32}, I^{130}, and I^{131}] Q. Project Sum. Off. Nav. Res., 1948, July, 406.—**S., J. L.** Clinical and laboratory use of isotopes. U. S. Armed Forces M. J., 1950, **1**: 367–9.—**Smith, R. E.** The application of radioisotopes to problems of naval medicine. U. S. Nav. M. Bull., 1948, **48**: Suppl., 17–27.

—— Production.

See also **Atomic energy,** Reactors.

[United States] Symposium on preparation and measurement of isotopes for use in biochemistry [1947] [Proceedings] 215p. 23½cm. Wash., 1948.

Forms Suppl. to v. **48**, U. S. Nav. M. Bull., 1948.

Cohn, W. E. Pile production of radioactive isotopes. U. S. Nav. M. Bull., 1948, **48**: Suppl., 42–51.—**Irvine, J. W., jr.** Production of radioactive isotopes by the cyclotron and other methods. Ibid., 52–9.

—— Radioargon.

Jones, H., Smith, R. [et al.] The uptake of inspired radioactive argon; a method of determining the efficiency of inert gas exchange in man. 7p. 28cm. Wash., 1942.

Forms No. 51, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— Radiocarbon.

Bloom, W., Curtis, H. J., & McLean, F. C. A note on the deposition of C^{14} in bone. 4p. 27cm. Oak Ridge, 1946.

Forms MDDC 516, Docum. U. S. Atom. Energy Com.

Boyd, G. A., Casarett, G. W. [et al.] Autoradiographs of C^{14} incorporated in individual blood cells. 3p. 26½cm. Oak Ridge, 1948.

Forms AECD 2277 of preceding set.

Heidelberger, C. The metabolic degradation of 1,2,5,6-dibenzanthracene labeled in the 9-position with carbon 14. 5p. 27cm. Oak Ridge, 1947.

Forms MDDC 1300 of preceding set.

Reid, J. C. Synthesis of tyrosine labeled with C–14. 1p. 27cm. Oak Ridge, 1946.

Forms MDDC 530 of preceding set.

White, L., jr. Determination of radioactive carbon. 6 l. 26½cm. Oak Ridge, 1947.

Forms No. A–2, Isotopes Div. Circ. U. S. Atom. Energy Com.

—— Radiocobalt.

See also **Radiobiology,** Methods.

Lawrence, J. H. Cobalt distribution [in animals] progress report for August, 1947. 4p. 27cm. Oak Ridge, 1947.

Forms MDDC 1597, Docum. U. S. Atom. Energy Com.

Quastler, S. H. Development and construction of a radiocobalt applicator for radiobiology. Q. Project Sum. Off. Nav. Res., 1948, July, 419.

—— Radiogallium.

See also **Gallium.**

DUDLEY, H. C. The biological significance of radiogallium (Ga^{72}) 15p. 27cm. Bethesda, 1949.
Forms Rep. No. 6, Proj. NM 011 013, U. S. Nav. M. Res. Inst.

—— & ENGLISH, J. A. Distribution of radioactive gallium in the teeth and jaws of experimental animals. 13p. 26½cm. Bethesda, 1949.
Forms Rep. No. 1, Proj. NM 008 009, U. S. Nav. M. Res. Inst.

—— Radioiodine.

See also **Iodine.**

Gorbman, A. Biological effects of radiation from excessive amounts of I^{131}. Q. Project Sum. Off. Nav. Res., 1948, July, 421.

—— Radiophosphorus.

See also **Fluorophosphate; Phosphorus.**

ANTHONY, D. S., & SNYDER, R. H. Acute radiotoxicity of injected P^{32} in mice; metabolism and survival. 14p. 27cm. Oak Ridge, 1947.
Forms MDDC 881, Docum. U. S. Atom. Energy Com.

JANDORF, B. J., & MCNAMARA, P. D. Distribution of radiophosphorus in rabbit tissues after injection of phosphorus-labeled diisopropyl fluorophosphate. 16p. 26½cm. Army Chem. Cent., 1949.
Forms No. 218, Rep. Med. Div. Chem. Corps U. S. Army.

LEVENSON, S. M., ADAMS, M. A. [et al.] Report of studies in phosphorus metabolism in man; methods for the determination of radioactive phosphorus (P^{32}) 10 l. 27cm. Chic., 1949.
Forms No. 47, Rep. U. S. Army M. Nutrit. Laborat.

UNITED STATES. ATOMIC ENERGY COMMISSION. ISOTOPES DIVISION. Isotopes Division circular D–2: References on therapeutic and tracer uses of P^{32}. 11 l. 27cm. Oak Ridge, 1947.

Mallet, L., & Lecamus, H. Le radio-phosphore et son utilisation biologique. In their Bombard. atom., Par., 1946, 121–36.

RADIOLOGICAL defense.

See **Atomic warfare,** Defense.

RADIOLOGIST.

See also **Radiation,** Protection and hazards; **Radiation injury,** Physiopathology; **Radiology.**

Dearing, A. H. The specialist as a naval medical officer. Radiology, 1942, **38:** 217–23.—**Hollings, C. B.** The war roentgenologist in home territory. Am. J. Roentg., 1918, n. ser., **5:** 75.—**Nemenov, M.** Rentgenolog. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1110.—**Palmer, M. B.** Cooperation of roentgenologists and other medical officers. Am. J. Roentg., 1919, n. ser., **6:** 94–8.—**Theron, C. P.** The radiologist and the medical officer. S. Afr. M. J., 1942, **16:** 413.

—— Duties and responsibilities.

Abelló Pascual, J., & Gutiérrez del Olmo, J. Situación de la radiología y misión del radiólogo en la guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 15–26.—**De Lorimier, A. A.** Responsibilities of the Army roentgenologist. J. Laborat. Clin. M., 1942–43, **28:** 628–40.—**Gil y Gil, C.** Situación actual de la radiología y misión del radiólogo en la guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., p. lxi–lxx.—**Grečiškin, S.** [The roentgenologist in the advancing Army] Med. rabot., 1944, **7:** No. 19, 2.—**Hohenner, K.** Tätigkeit und Aufgaben des Röntgenologen beim Feldheer. Röntgenpraxis, 1941, **13:** 150–3.—**Nemenov, M. I.** [Work of the physician and especially of the roentgenologist on the ships of the Navy] Vest. rentg., 1941, **25:** 52–60, pl. ——— [Work of the roentgenologist at various stages of evacuation] Ibid., 1944, **26:** 67–73.—**Teschendorf, W.** Ueber Tätigkeitsgebiete des Röntgenologen im Kriege. Deut. med. Wschr., 1939, **65:** 1845–8.

—— Instruction and training.

See under **Radiology.**

—— Military service.

See also **Radiology**—in war.

Bulletin of the American College of Radiology; radiological services during the war. Am. J. Roentg., 1942, **47:** 934–40.—**Dickinson, J. C.** What obligations do we have to the radiologist who is called into the national service? Radiology, 1942, **38:** 584–9.—**Kirklin, B. R.** Maintaining the supply of specialists during the national emergency. Ibid., 599–601.—**Menville, L. J.** How can we of radiology best serve our country? Ibid., 238.—**Radiologist** (The) and the war. Ibid., 94.—**Shearer, J. S.** Civilians in the service. Am. J. Roentg., 1918, n. ser., **5:** 389.

RADIOLOGY.

See also **Dentistry,** Radiology; also preceding and subsequent headings.

Bauer, D. D. Notes on radiology. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2:** No. 5, 15–24.—**Dausset.** Notes de pratique radiologique aux armées. Arch. électr. méd., 1917, **27:** 489–95.—**Downing, R. E.** Military roentgenology. Kentucky M. J., 1943, **41:** 57–60.—**Gosselin, J.** Radiology. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 35–7.—**Haret.** La radiologie dans le Service de Santé militaire. J. radiol. électr., 1916, **2:** 414.—**Kirklin, B. R.** Radiology in military practice. Mil. Surgeon, 1941, **89:** 81.—**McGrigor, D. B.** Radiology (in Ardius Fidelis) J. R. Army M. Corps, 1924, **42:** 351; 1924, **43:** 114; 366.—**Manges, W. F.** Military roentgenology. In: Science of Radiol. Am. Congr. Radiol., Springf., 1933, 187–97.—**Maxwell, C. L.** Roentgenology in the military service. South. M. J., 1928, **21:** 477–81.—**Rapp, R.** Basic principles of roentgenology. Med. Bull. Europ. Command, 1949, **6:** No. 5, 31–4.—**Smith-Shand, A. K.** Radiology and physico-therapeutics. J. R. Nav. M. Serv., 1920, **6:** 156.—**Soiland, A.** The military and naval use of the roentgen ray. Am. J. Roentg., 1918, n. ser., **4:** 550.

—— Apparatus and equipment.

CHAMBERS, F. W., jr, MORGAN, J. E., & ISTOCK, J. T. Output characteristics of a commercial X-ray generator at 2000 K. V. P. 21p. 27cm. Bethesda, 1949.
Forms Proj. NM 006 012 08 26, U. S. Nav. M. Res. Inst.

Aubourg & Barret. Rôle d'utilisation des divers types d'installations radiologiques aux armées. J. radiol. électr., 1916–17, **2:** 548–52.—**Didiée, J. J. A.** L'équipement radiologique du Service de santé. Rev. Serv. san. mil., Par., 1939, **111:** 3–44.—**Dmokhovsky, V., & Zedgenidze, G.** Rentgenovskie apparaty. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1093–7.—**Harris, H. A.** An improved X-ray apparatus. U. S. Nav. M. Bull., 1911, **5:** 331, pl.—**Monardo, G. D.** An improvised X-ray unit. Hosp. Corps Q., 1945, **18:** 50–5.—New type of roentgen ray unit for the fighting forces (Great Britain) J. Am. M. Ass., 1941, **116:** 1593.—**Thomas, A. R.** On the use of the Service Afloat X-ray set. J. R. Nav. M. Serv., 1939, **25:** 382–5.—**X-ray** unit designed for special use by Army. Hosp. Management, 1941, **52:** 77.—**X-ray** (The) unit for Russia. Pharm. J., Lond., 1942, **95:** 19.

—— Apparatus and equipment: Various devices.

See also the same subheading under **Radiography;** also **Radiodiagnostics,** Fluoroscopy: Apparatus and equipment.

Boyce, W. W. Note on standard pattern X-ray couch by Butt. J. R. Army M. Corps, 1923, **41:** 209–11.—**Boyer, J.** La fabrication des ampoules radiologiques durant la guerre. Rev. gén. sc. pur., 1915, **26:** 712–8.—**Grashey.** Feldmässige Improvisation röntgenologischer Hilfsgeräte Trochoskop (Untertischröhre) Münch. med. Wschr., 1918, **65:** 296.—**Havanan, R. J.** Suggested improvements for field X-ray units. Hosp. Corps Q., 1943, **16:** No. 4, 81.—**Hodges, P. C.** Improvements in X-ray devices. In: Advance. Mil. Med., Bost., 1948, **1:** 186–90, pl.—**Horsley, C. B.** X-ray equipment. CIOS Rep., Lond., 1945, Item 9, No. XXIII–22, 13.—**Johnston, H. L.** An X-ray camera for high temperature research. Research Rev. (U. S. Navy) 1948, Jan. 15, 13–5.—**Kochanowski, J.** Nowe urządzenia z zakresu techniki rentgenowskiej. Lek. wojsk., 1941, **34:** 167.—**Martin, J., & Jolly, R. H. H.** A simple X-ray couch for use afloat. J. R. Nav. M. Serv., 1917, **3:** 235–7.—**Miramond de Laroquette.** Balance radiologique. Bull. Soc. méd. mil. fr., 1922, **16:** 127.—**Nemenov, M., & Zedgenidze, G.** Rentgenovskij kabinet. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1097–101.—**Smullen, W. C.** X-ray improvisations for an evacuation hospital. Bull. U. S. Army M. Dep., 1946, **6:** 632–4.—**Yorke, H. E. P.** Description of an X-ray couch, designed for use on field service, incorporating a new type of localizing device. J. R. Army M. Corps, 1936, **67:** 251–6.

—— Apparatus and equipment: Vehicles, and portable units.

Army Medical Corps develops mobile X-ray units for invasion. Hosp. Management, 1944, **58:** No. 2, 84.—**Asis, R. F.** Automóvil radiológico de campaña. Rev. filip. med., 1917, **8:** 324–31.—**Boidi-Trotti, G.** Il servizio radiologico in guerra; un tipo di automobile radiologico. Radiol. med., Torino, 1916, **3:** 96–102.—**Coleman, H. R.** The Army bedside

X-ray unit. U. S. Nav. M. Bull., 1919, **13**: 866–9, 3 pl.—**De Luca, U.** Sulla necessitá di fornire il nostro esercito di automobili radiologiche munite di apparecchi potenti e completi. Policlinico, 1915, **22**: sez. prat., 993–5.——— & **Ghilarducci, F.** Alcune esperienze sull'apparecchio portatile radiologico della sanità militare. Ibid., 992.—**Foveau de Courmelles.** Les automobiles radiologiques. Caducée, Par., 1916, **16**: 88.—**Haret.** Le rôle de la voiture radiologique du service de santé aux armées. J. radiol. électr., 1914–15, **1**: 497–9.—**Head, H. C.** A mobile X-ray wagon unit. Proc. R. Soc. M., Lond., 1917–18, **11**: Sect. Electro-Ther., 56.—**Heuser, C.** Ambulancia radiológica. Rev. As. méd. argent., 1918, **29**: 212–45. Also Sem. méd., B. Air., 1918, **25**: 583–5. ——— Presentación de una ambulancia radiológica. Ibid., 221. Also Prensa méd. argent., 1918–19, **5**: 155.—**Lobligeois, F.** Quelques réflexions sur les voitures radiologiques automobiles à propos du fonctionnement de l'une d'entre elles. J. radiol. électr., 1914–15, **1**: 561–4.—**Magini, U.** Apparecchio Röntgen portatile a mano, ed autonomo, per uso di guerra. Atti Congr. ital. radiol. med. (1913) 1914, **1**: 119.—**Mobile** X-ray units for invasion. J. Am. M. Ass., 1944, **125**: 711.—**Perussia, F.** La prima automobile radiologica italiana. Pensiero med., 1915, **5**: 449–51. Also Radiol. med., Torino, 1915, **2**: 279–85.—**Portable** X-ray machine presented to the A. M. C. Australas. J. Pharm., 1941, **22**: 172.—**Portable** (A) X-ray set for field service. Mod. Hosp., 1918, **10**: 383.—**Serona, M.** L'apparecchio portatile radiologico della sanità militare. Policlinico, 1915, **22**: sez. prat., 964.—**Thirion & Touraille.** Trois ans de radiologie à l'autochir 2. Arch. méd. pharm. mil., 1921, **741**: 601–17, ch.—**Thunström, S.** (Portable Roentgen apparatus in the registration of conscripts) Tskr. mil. hälsov., 1934, **59**: 332–45.—**Yasen** ni okeru keikō-roentgen-kikai un-yō no gaiyō [Summary of the use of the portable roentgen-machine in the field] Rikugun zyūidan hō, 1942, 100–2.

—— Bibliography.

[**Brief** summaries of unpublished articles on field roentgenology] Vest. rentg., 1944, **26**: 91.—**Holzknecht, G.** Vier Stellen aus der kriegschirurgischen Literatur der letzten zweihundert Jahre. In his Röntgenologie, Berl., 1918, **1**: 520.

—— Congress.

Phelps, J. R. Report of the fourteenth annual meeting of the American Roentgen Ray Society, held at Boston, Mass., October 1 to 4, 1913. p.171–237. 22cm. Wash., 1914.

U. S. Nav. M. Bull., 1914, **8**:

Bowen, A. The fifth International congress of radiology. Mil. Surgeon, 1938, **82**: 120–6.—**Crespellani, C., & Cogliati-Dezza, G.** XI Congresso italiano di radiologia medica (Perugia, 20–24 settembre 1934) Gior. med. mil., 1934, **72**: 1117–9.—**Crespellani, C., Felsani, G., & Calcagni, A.** Il Congresso italiano di radio-neuro-chirurgia (Milano, 30–31 ottobre 1934) Ibid., 1935, **73**: 101–9.—**Nowacki, W.** X-ray analysis during the war years, 1946 conference. Experientia, Basel, 1946, **2**: 378–80.—**Pimm, G.** The fifth International congress of radiology, Chicago, September, 1937. J. R. Nav. M. Serv., 1938, **24**: 206–13.—**Primer** Congreso interamericano de radiología; 17 al 22 de octubre, 1943, Buenos Aires. Rev. san. mil., B. Air., 1943, **42**: 440.—**Sexto** Congreso internacional de radiología. Rev. san. mil. argent., 1949, **48**: 181.

—— field.

See also subheading (Apparatus and equipment: Vehicles)

Cossu, A. Radiologia da campo. Policlinico, 1915, **22**: sez. prat., 1300.—**De Lorimier, A. A.** Requirements for roentgenological services in the field of combat. Radiology, 1942, **38**: 590–8.—**Dietrich, M.** Der Röntgenapparat im Felde und seine Anwendung. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 35–48. Also 6. Aufl., Dresd., 1943, 38–51. Also 9. Aufl., Dresd., 1944, 38–52, illust.—**Foveau de Courmelles.** Courtes notes de radiologie de campagne. Caducée, Par., 1916, **6**: 22.—**Kreuzfuchs, S.** Ueber Röntgenologie bei der Armee im Felde. Wien. klin. Wschr., 1918, **31**: 1192.—**Laborde, A.** La radiologie de guerre dans les formations chirurgicales avancées. Afrique fr. chir., 1944, **2**: 145–55.—**Lenk, R.** Röntgenologie im Frontspital. In: Röntgenologie (Holzknecht, G.) Berl., 1918, **1**: 551–76.—**Morais, V. de.** A radiologia no serviço de saude em campanha. Rev. méd. cir. Brasil, 1944, **52**: 731–40.—**Nikishin, K. E.** [Military-field problems of roentgenology] J. profil. subtrop. klin. med., Tashkent, 1934, **4**: 45–57.—**Pantoli, F.** Alcune osservazioni pratiche sul tema dei servizi radiologici da campo. Radiol. med., Torino, 1915, **2**: 124–6.—**Perussia, F.** Servizi radiologici da campo. Ibid., 21–5.—**Sabat, B.** O badaniach rentgenologicznych w polu. Lek. wojsk., 1921, **2**: 1293–1319, illust.—**Santos, C.** A radiologia em campanha. Med. contemp., Lisb., 1915, **33**: 17–21.—**Schinz, H. R.** Aufgaben der Feldröntgenologie. Praxis, Bern, 1936, **25**: 445–51. ——— Feldröntgenologie. Vjschr. schweiz. Sanitätsoff., 1942, **19**: 45–63.—**Ziv, M. V.** [Application of the X-ray on the battlefield] Vest. Carskoselsk. raiona, 1916, **2**: 66–77.

—— History.

See also **Wars and campaigns, 1898–1900: Spanish-American War.**

Didiée. A propos du cinquantenaire de la découverte des rayons X par Roentgen. Bull. Soc. méd. mil. fr., 1945, **39**: 289–92.—**McGrigor, D. B.** Radiology, 1898–1948. J. R. Army M. Corps, 1948, **90**: 334–8.—**Reynolds, L.** The history of the use of the roentgen ray in warfare. Am. J. Roentg., 1945, **54**: 649–72.

—— Institutes and departments.

Ashbury, H. E. Annual report of Roentgen Ray Department, Army Medical School, Washington, D. C., 1917–18. Am. J. Roentg., 1918, n. ser., **5**: 520–5.—**Aylward, B. H. S.** X-ray work in a base hospital in France; a few observations of a practical nature. J. R. Army M. Corps, 1918, **30**: 493–9.—**Birkbeck, N. J.** Experiences in the X-ray Department of U. S. Naval Base Hospital ———. U. S. Nav. M. Bull., 1943, **41**: 1646–8.—**Boriani, G.** Un anno di funzionamento del reparto radiologico dell'Ospedale militare della Somalia [1° ottobre 1935–30 settembre 1936] Gior. med. mil., 1938, **86**: 295–307.—**Crespellani, C.** Rendiconto tecnico-statistico del lavoro compiuto nel gabinetto radiologico dell'Ospedale militare di Firenze dall'anno 1929 al 31 maggio 1935. Ibid., 1935, **83**: 1007–17.—**Diemer, F. E.** Report of the Department of Roentgenology, U. S. Army Base Hospital, Camp Lewis, Wash. J. Roentg., Iowa City, 1919, **2**: 34–41.—**Gutiérrez del Olmo, J.** Instalaciones radiológicas en hospitales de vanguardia. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 212–20. Also Rev. españ. med. cir. guerra, 1939, **2**: 418–30, illust.—**Hammond, R.** Roentgen-ray problems in an overseas Navy Base Hospital. Am. J. Roentg., 1919, n. ser., **6**: 92–4.—**Lindgren, E.** Om röntgenavdelningen och dess arbete i krigstid. In: Handledn. & Försvarsmed., Stockh., 1940, **2**: 339–59.—**Martins da Silva.** Hospital militar da Terceira; relatório da actividade dos serviços de radiologia e fisioterapia no ano de 1944. Bol. Dir. serv. saúde mil., 1947, **10**: 48–63, ch.—**Merlo Gómez, J. F.** El Servicio de electrorradiología del Hospital militar central en la Exposición de Primeras jornadas radiológicas. Rev. san. mil., B. Air., 1940, **39**: 1025–8.—**Millstein, H.** X-Ray Department at a redistribution center. Air Surgeon Bull., 1945, **2**: 404.—**Natale, E.** Materiale radiologico trovato all'Ospedale militare marittimo di Pola. Atti Congr. ital. radiol. med. (1919) 1920, 2. Congr., 81–3.—**Pirie, A. H.** The organization of the X-ray Department of a General Hospital in France. Arch. Radiol. Electrother., Lond., 1915–16, **20**: 332–5.—**Savès.** Le nouveau service d'électro-radiologie de l'Hôpital maritime de Brest. Arch. électr. méd., 1937, **45**: 324–36. Also Arch. méd. pharm. nav., 1937, **127**: 737–49.—**Singh, J. D.** X-ray work in an Indian General Hospital in Mesopotamia. Ind. M. Gaz., 1918, **53**: 417–9.—**Uglov, V. A.** Obzor po rentgenovskomu kabinetu Khabarovskago mestnago lazareta za 1909–10 i polovinu 1911 goda. Voen. med. J., S. Peterb., 1912, **235**: Med. spec. pt, 686–96.—**Verré.** Le service électro-radiologique de l'Hôpital de Lorient. Arch. méd. pharm. nav., 1937, **127**: 282–91.

—— Instruction.

United States. Army. School for Medical Department Technicians. Fitzsimons General Hospital. Instructors guide covering course for X-ray technicians. Rev. ed. 1v. 26½cm. Denver, 1944.

United States. Army. Enlisted Technician's School. Army and Navy General Hospital. Text, X-ray section. 203p. 26½cm. Hot Springs, 1943.

United States. Army Medical School. Enlisted specialists course for X-ray technicians, enlisted personnel, Medical Department, U. S. Army. 33p. 26½cm. Wash., 1938.

Forms No. 215, A. M. C. U. S. Army M. Center.

Beaver, L. Royal Air Force radiographer. Radiography, Lond., 1942, **8**: 109.—**Lehman, J. S.** Instruction in roentgenology for officers in the United States Navy. Hahneman. Month., 1943, **78**: 392–5.—**McGrigor, D. B.** The training of the military radiologist. Brit. J. Radiol., 1945, **18**: 92–4.—**Moehring, H. G.** Military roentgenological training. Am. J. Roentg., 1944, **52**: 203.—**S., E. H.** Schools for military roentgenology. Ibid., 1918, n. ser., **4**: 532.—**Scott, W. G.** Suggested outline for the training of radiologists at qualified United States naval hospitals. Ibid., 1948, **60**: 90–5.

—— Logistics.

See also subheadings of **Radiograph; Radiography.**

United States. War Department. Preventive maintenance services for X-ray field unit generator (Item No. 9606000-Onan models

No. OTC–38 and OTC–38S) 5p. 27cm. Wash., 1945.

Forms TB MED 127, Techn. Bull. U. S. War Dep.

Call for unused X-ray equipment. J. Am. M. Ass., 1943, 122: 683.—**Geise, G. E.** Wartime servicing of X-ray apparatus. Hosp. Progr., 1943, **24**: 294.—**Myers, R. K.** Federal regulations affecting allocation of X-ray equipment and supplies. Radiology, 1943, **41**: 288–90.—**Poindexter, W. R.** X-ray notations in the absence of adequate supplies. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 1–3.—**Storage** and shelf life of certain X-ray supplies. Bumed News Lett., Wash., 1944, **4**: No. 6, 38.—**X-ray** equipment and supplies, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 579–603.

—— Manual.

See also **Radiodiagnostics; Radiography; Radiotherapy.**

Pillsbury, H. C. United States Army X-ray manual. 2. ed. 482p. 8° N. Y., 1932.

United States. Army. Enlisted Technician's School. Letterman General Hospital. X-ray manual. 168p. 27cm. S. Franc., 1942.

United States. Army. Surgeon-General's Office. United States Army X-ray manual. 506p. 19cm. N. Y., 1918.

—— [The same] Extract from the United States Army X-ray manual. p.15–201. 19cm. N. Y., 1918.

United States. Naval Medical School. Fundamentals of X-ray physics and technique. 180p. 27cm. Bethesda, 1942. Also another ed. 247p. 27cm. Bethesda, 1944.

United States. War Department. Technical manual, TM 8–275: Military roentgenology. 153p. 23cm. Wash., 1942.

—— Methods.

Darby, E. M. K., & Draeger, R. H. The application of recent developments in X-ray diffraction technique to chemical analysis. 14p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–281, U. S. Nav. M. Res. Inst.

Reif, M. L. Spectral roentgenology. Mil. Surgeon, 1937, 80: 369–71.—**Reynolds, R. J.** Methods employed in the X-ray department of a military hospital, with a few notes on one or two cases of interest, and on the treatment of trench foot adopted there. J. R. Army M. Corps, 1917, **39**: 323–8, 2 pl.

—— Organization of service.

See also **Radiology,** field.

Boguićević, A. [Organization and activity of roentgen stations at the front during war] Voj. san. glasnik, 1931, **2**: 615–9.—**Brailsford, J. F.** X-ray flying squads. Lancet, Lond., 1940, **1**: 1143.—**Busi, A.** Appunti critici per un ordinamento razionale in Italia dei servizi radiologici di guerra. Radiol. med., Torino, 1915, **2**: 337–49.—**Cristofanetti, P.** Impressioni sul servizio radiologico in A. O. I. Gior. med. mil., 1938, **86**: 1205–7.—**De Giuli, G.** Relazione sul funzionamento di un complesso radiologico da campo. Ibid., 1941, **89**: 775–9.—**Hirtz.** Remarques sur le fonctionnement des services radiologiques pendant les périodes de grande activité. J. radiol. électr., 1918, **3**: 122–4.—**Massa, F.** Il servizio radiologico in guerra e l'apparecchio U. Magini modificato per l'uso delle navi-ospedale e sulle navi da battaglia. Ann. med. nav., Roma, 1916, **22**: 229–42.—**Nemenov, M.** Rentgenologićeskoe obsluživanie Sovetskoj Armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1111–3.—**Nurettin Savci** [Military radiologic service as related to the clinic] Askeri sihhiye mecmuasi, 1936, 65: 22–32.—**Overloop.** Organisation, but et fonctionnement du Service radiophotographique mobile de l'armée. Ann. belg. méd. mil., 1948, **101**: 90–9.—**Pontano.** I servizi radiologici in guerra. Policlinico, 1915, **22**: sez. prat., 1059.—**Posse, E. V., & Wachtel, V. S.** [Organization of roentgen work in military operations] Vest. rentg., 1944, **26**: 74–82.—**Sgobbo, F. P.** Sul funzionamento del servizio roentgenologico in guerra e sulla necessità di ben regolare questo servizio anche fuori la zona di guerra. Gior. internaz. sc. med., 1915, n. ser., **37**: 769–74. Also Radiol. med. Torino, 1915, **2**: 349–54. ——— Necessità di provvedere utilmente al servizio Röntgenologico nell'Esercito, e specialmente in guerra. Gior. internaz. sc. med., 1915, n. ser., **37**: 405–18. Also Idr. clim., 1915, **26**: 138–54. ——— Ancora sul servizio radiologico in guerra. Ibid., 375–7. ——— Servizio radiologico in guerra. Radiol. med., Milano, 1918, **5**: 49–51.—**Teneff, S.** Impianto radiologico. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 82–4, illust.—**Tunematu, T., & Kikuti, B.** Konoe hohei dai yon rentai ni okeru roentgen setubi no unyō ni tuite [Practical use of the roentgen equipment of the 4th Konoe Infantry Regiment] Gun idan zassi, 1938, No. 305, 1199–206, 2 pl.—**Weiser.** Die Röntgenuntersuchungen und die Strahlenbehandlung von Kriegsverletzten. Ausstell. Kriegsbeschäd. Fürs. Deutschland, Dresd., 1917, 20–32.—**X-ray** work in war, developments in practical applications as now used in the field and in hospitals. Sc. Am. [ddns. N. Y., 1915, **79**: 120.

—— Organization of service: United States.

Behrens, C. F. Some considerations of wartime radiology in the Navy. Radiology, 1943, **41**: 284–7.—**Development** (The) of the X-ray service of the United States Army. Rev. War Surg. & M., 1918, **1**: No. 10, 16–28.—**Duncan, W. A.** The X-ray equipment and work in the Army at the present time. Am. J. Roentg., 1913–14, n. ser., **1**: 268–75.—**Jacobs, I. W.** X-ray organization and problems in the United States Navy. Bull. U. S. Nav. M., 1934, **32**: 133–47.—**Le Wald, L. T.** Development of a military roentgenological service in New York City. Med. Rec., N. Y., 1918, **94**: 66.—**McCaw, W. W.** Radiology in the United States Army. Am. J. Roentg., 1941, **45**: 733–6.—**Pillsbury, H. C.** The progress of roentgenology in the Army. Radiology, 1929, **13**: 413–6.—**Sheldon, L.,** jr. Medical preparedness in the Navy; with special reference to radiology. Ibid., 1941, **36**: 404–8.

—— in wartime.

Bancalari, P. Radiologia di guerra con tavole e proiezioni. Cron. clin. med. Genova, 1917, **23**: 167–82.—**Cahal, M. F.** Radiological services during the war. Hospitals, 1942, **16**: No. 6, 39–43. Also Radiology, 1942, **38**: 736–9.—**Christie, A. C.** Our preparation for the X-ray work of the war. Am. J. Roentg., 1918, n. ser., **5**: 1–5. ——— Preparation for X-ray work in the war. N. York M. J., 1918, **107**: 172.—**De Lorimier, A. A.** Wartime military roentgenology. Radiology, 1941, **36**: 391–403. ——— Symposium on war-time roentgenology. Surgery, 1941, **9**: 326.—**Grashey, R.** Kriegs-Röntgenologie. Münch. med. Wschr., 1934, **81**: 1189.—**Haret.** La radiologie pendant la guerre. Bull. méd., Par., 1916, **30**: 329.—**Hernaman-Johnson, F.** Radiology and electro-therapeutics in war-time. Practitioner, Lond., 1915, **94**: 396–403.—**Kirklin, B. R.** War-time radiology and peacetime problems. Am. J. Roentg., 1945, **54**: 302–6.—**Lamarque, P.** La radiologie américaine pendant la guerre. Rev. méd. fr., 1946, **27**: 196–8.—**Lemon, F.** X-rays in war. Arch. Roentg. Ray, Lond., 1914–15, **19**: 200–3.—**McGrigor, D. B., & Weddell, J.** Discussion on radiology in wartime. Proc. R. Soc. M., Lond., 1938–39, **32**: Sect. Radiol., 399–404.—**Ponzio, M.** La radiologia in guerra. Minerva med., Tor., 1935, **26**: pt 1, 720.—**Révész, V.** Hadi röntgenologiai tapasztalatok. Gyógyászat, 1915, **55**: 280; 294, 2pl.—**Roentgenology** in war, how modern science is brought to the field of action in war. Sc. Am. Suppl., N. Y., 1915, **79**: 68.—**Shenton, E. W. H.** X-rays in war time. Lancet, Lond., 1915, **1**: 13.—**War** radiology in Great Britain. Am. J. Roentg., 1941, **45**: 111–4.—**Weil, A.** Die Bedeutung des Röntgenverfahrens für die kriegsärztliche Tätigkeit. Strassb. med. Ztg, 1915, **12**: 102–7.—**X-rays** and the war. Nature, Lond., 1918, **100**: 435–8.—**Zimmer, E. A.** Röntgenologische Beobachtungen im Kriege. Radiol. Clin., Basel, 1944, **13**: 70.

RADIOMETER.

See also **Heat; Heat regulation.**

Benzinger, T. H., & Kitzinger, C. Black body radiometer, a 4π receiver for measurement of total radiated heat output. 35p. 27cm. Bethesda, 1949.

Forms Proj. NM 004 006 01 02, U. S. Nav. M. Res. Inst.

Van Dilla, M., & Bochinski, J. Radiometer; improved microradiometers for the measurement of the surface temperature of human skin. 28 l. 29cm. Lawrence, 1945.

Forms Rep. No. R–252, Climatic Res. Laborat. U. S. Army.

RADIOMETRY.

See also under **Atomic energy; Radioactivity; Radioactivity measuring cup.**

Hoffman, J. G. The assessment of gamma radiation dosage by means of radioisotopes in mock-ups. 2p. 27cm. Oak Ridge, 1947.

Forms MDDC 1590 (or, LADC 476) Docum. U. S. Atom. Energy Com.

Bale, W. F. Determination of hard radiation, including preparation of samples. U. S. Nav. M. Bull., 1948, **48**: Suppl., 100–3.—**Hofstadter, R.** Scintillation counters. Research Rev. (U. S. Navy) 1949, Sept., 4–8.—**Solomon, A. K.** Determination of soft radiation, including preparation of samples. U. S. Nav. M. Bull., 1948, **48**: Suppl., 104–14.—**Whitehead, E. L.** A chart for determination of the erythema dose in X-ray therapy. Ibid., 1926, **24**: 68–71.

RADIO operator.

See **Radio technician.**

RADIOPAQUE screen.

See also **Radiography,** Fluoroscopy: Apparatus.

Downs, T. M., & Haskins, C. H. An improvised fluoroscopic screen. U. S. Nav. M. Bull., 1944, **42:** 208.—**Rabin, B. I.** Method of making radiopaque screen used in taking X-ray films. Ibid., 1945, **44:** 625.

RADIOPAQUE substance.

See also **Radiodiagnostics,** Technic.

United States. Veterans Administration. Technical bulletin TB 10A–100: Barium opaques [1] l. 27cm. Wash., 1947.

Moxness, B. A. The influence of contrast media in the development of radiologic diagnoses. Mil. Surgeon, 1936, **78:** 124–30.—**Sur** l'emploi du lipiodol pour le radio diagnostic. Arch. méd. pharm. mil., 1928, **88:** 797–809.

RADIOPHOSPHORUS.

See under **Radioisotope.**

RADIOPHOTOGRAPHY.

See **Medical examination,** Thoracic radiography; **Radiography.**

RADIO technician.

See also **Radio.**

Kafka, M. M. Code problems in ear, nose and throat diseases in the radio school of the Army Air Corps. Med. Rec., N. Y., 1942, **155:** 369.—**Pavlov, S. T., & Kargin, V. A.** [Diseases of skin and auricles among radio operators in Red Army] Voen. med. J., Moskva, 1931, **2:** 479–83.—**Personnel** research in the Army; the selection of radiotelegraph operators. Psychol. Bull., 1943, **40:** 357–71.—**Psychological** test construction and research in the Bureau of Naval Personnel; Navy radio technician training program. Am. Psychologist, 1946, **1:** 80–90.

RADIOTELEGRAPH operator.

See with **Radio technician.**

RADIOTHERAPY.

See also **Dermatology,** Organization; **Radiobiology;** also **Physical therapy.**

Barner, J. L. X-ray therapy in the Army. Radiology, 1943, **41:** 483–5.—**Bertram, D. R. F.** Radiotherapy in the Royal Navy. J. R. Nav. M. Serv., 1949, **35:** 20–6.—**Chaumet.** Rayon X et physiothérapie dans l'armée. Arch. méd. pharm. mil., 1933, **99:** 61–88.—**Ewald.** Die Strahlentherapie im Einsatz der Wehrmacht. Strahlentherapie, 1942–43, **72:** 543–61.—**Henkel, K.** Die Röntgenentzündungsbestrahlung zur Wiederherstellung der Dienstfähigkeit. Deut. Militärarzt, 1942, **7:** 397–9.—**Lewenfisz, M.** Pryzczynek do rentgenoterapji schorzen krwi. Lek. wojsk., 1941, **34:** 163.—**Pape, R.** Röntgentherapie an verwundeten und kranken Soldaten. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 549–65.—**Podliashuk, L.** Rentgenoterapija. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1113–7.—**Shapiro, W.** X-ray and its relation to reduction of military disability. Bol. As. méd. Puerto Rico, 1942, **34:** 29–31.—**Spalding, O. B.** A summary of the present status of radiation therapy. U. S. Nav. M. Bull., 1932, **30:** 193–9.—**Winchell, A. V.** X-ray therapy at a foreign shore station. Ibid., 1944, **42:** 587–91.

—— Apparatus and instruments.

Bachman, A. L. Radiation characteristics of the field X-ray unit used for superficial therapy. Bull. U. S. Army M. Dep., 1946, **5:** 103–9.—**Egbert, E. W.** Roentgen therapy with the Army X-ray Field Unit. Mil. Surgeon, 1944, **95:** 30–3.

—— Dosage of radiation.

See **Radiometry.**

—— Hazards.

See under **Radiation injury,** Hazards.

—— Technic.

See also **Radiobiology** and subheadings.

Bertram, D. R. F. Some observations on superficial and medium X-ray therapy. J. R. Nav. M. Serv., 1945, **31:** 91–9.—**Friedman, M.** Supervoltage (one million volt) roentgen therapy at Walter Reed General Hospital. Surg. Clin. N. America, 1944, **24:** 1424–32. Also Spanish transl., Rev. radiol. fisioter., Chic., 1946, **13:** 1–6.—**Pillsbury.** Grenz-ray therapy. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 28.—**Trial & Hébrard.** A propos de la radiothérapie de contact. Bull. Soc. méd. mil. fr., 1948, **42:** 124–7.

—— in wartime.

Levitt, W., Donaldson, M. [et al.] Organisation of radiotherapy in war-time. Lancet, Lond., 1941, **1:** 348–50.—**Radiotherapy** in war-time. Ibid., 354.—**Soiland, A.** Streamling X-ray therapy for wartime service. Radiology, 1945, **44:** 225–8.—**Strauss.** Strahlentherapie im Kriege. Med. Klin., Berl., 1914, **10:** 1432–4.

RADIOULNAR synostosis.

See under Forearm.

RADIUM.

See also **Radiation; Radioactivity.**

Air raid precautions to be taken by holders and users of radium. Bull. War M., Lond., 1941–42, **2:** 389–91 (Abstr.)—**Becchini, G.** Sullo stato attuale della curieterapia. Ann. med. nav., Roma, 1931, **37:** pt 1, 188–202.—**Hoecker, F. E., & Roofe, P. G.** The metabolism and distribution of radium in bone. Research Rev. (U. S. Navy) 1949, Aug., 10–24.—**Mezernicky, P. G.** Radij i radioaktivnost. Voen. med. J., S. Peterb., 1910, **227:** Med. spec. pt, 1–13.—**Navarro Cánovas, B.** El radio y el mesotorio. Rev. san. mil., Madr., 1914, 3. ser., **4:** 605–8.—**Radium** in military surgery. Rev. War Surg. & M., 1918, **1:** No. 9, 40–3.—**Radium** in wartime. Radiology, 1942, **38:** 621.—**Scholz.** Das Radium. Deut. mil. ärztl. Zschr., 1911, **40:** 882–9.

RADIUM-PLAQUE adaptometer.

See **Night-vision tester.**

RADIUS.

See also **Fracture**—by site: Radius.

Loyer. Ostéo-myélite du radius droit; résection sous périostée de l'os. Arch. méd. pharm. nav., 1937, **127:** 120–6.—**Zaffiro, E.** Le fratture isolate del capitello del radio con speciale riguardo al loro meccanismo di produzione e al loro trattamento. Gior. med. mil., 1942, **90:** 321–61.

RAFT.

See **Life raft.**

RAILROAD.

See **Hospital train; Train; Transportation.**

RAIN-COAT.

See also **Clothing.**

United States. Armored Medical Research Laboratory. Project No. 1: Cold weather operations; Final report on Sub-Project No. 1–23, Test No. OQMG–110: Test of raincoat with parka hood; poncho; rainshirt, knee length; raincoat, synthetic resin; and tent, poncho, sectional. v. p. 28cm. Fort Knox, 1943.

RANGE finder.

Breton, W. K. D. Rangefinders and the standard of fitness required in rangetakers. J. R. Nav. M. Serv., 1920, **6:** 288–307.—**Deemer, W. L., jr, Rafferty, J. A., & Votaw, D. F., jr.** Empirical study of the restriction of range. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 14.—**Heinsius.** Experiences in the selection of range finder operators. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 352; Disc., 354–60.—**Kruemmel.** Stereoscopic methods of examination in range finder operators. Ibid., 353–60.

RANGER.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 466: Hilfskommandos bei Notständen, vom 16. März 1936. 32p. 21cm. Berl., 1936.

Levick, G. M. The physical preparation of Commandos. Proc. R. Soc. M., Lond., 1944–45, **38:** 97–100.—**Robinson, J. T.** Land forces Adriatic. J. R. Army M. Corps, 1945, **85:** 41–7.

RANK.

See also **Medical officer; Uniform.**

GREAT BRITAIN. WAR OFFICE. Medical categories for other ranks, 1944. 18p. 25cm. Lond., 1944.

Frank, J. D. Personal problems related to Army rank. Am. J. Psychiat., 1946–47, **103:** 97–104.—**Last-war** service and Gazette rank. Brit. M. J., 1942, **2:** 146.—**Lukašević, D.** Učenye zvanija, stepeni. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 707–9.—**Perkov, N.** Voinskie zvanija. Ibid., **1:** 976–85. ——— & **Firsov, Z.** Znaki različija. Ibid., **2:** 816–24, pl.—**Steiner, J.** Die Stellung und Dienstgradbezeichnungen der österreichischen Militärärzte im Wandel der Zeiten. Wien. med. Wschr., 1936, **86:** 313.

RAPE.

See under **War victim.**

RAT.

See also **Pest control; Rat control.**

Codvelle, M. F. Le rat et la dératisation. Arch. méd. pharm. mil., 1931, **15:** 451–86.—**Jakóbkiewicz, J.** [Laboratory for research on rats in Gdynia] Lek. wojsk., 1939, **33:** 613–20.—**Johnson, D. H.** The rat population of a newly established military base in the Solomon Islands. U. S. Nav. M. Bull., 1946, **46:** 1628–32.—**Kalmbach, E. R., Welch, J. F., & DeWitt, J. B.** Rat attack on barriers. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 37–41.—**Pirot, R., & Bourgain, M.** Moniliformis moniliformis, recontré à Toulon dans l'intestin des Muridés des navires de guerre. Ann. parasit., Par., 1942–43, **19:** 124–8.—**Régnier, R.** Le problème des rats en temps de guerre. Bull. sc. pharm., Par., 1940, **47:** suppl., 7.—**Reitani, U.** La questione dei ratti. Gior. med. mil., 1929, **77:** 218–22.

RAT-BITE fever.

Acanfora, G. Contributo clinico alla conoscenza della sintomatologia del sodoku. Ann. med. nav., Roma, 1942, **48:** 230–8.—**Altemeier, Snyder & Howe.** Penicillin treatment of rat-bite fever. Bumed News Lett., Wash., 1944, **4:** No. 9, 4.—**Basile, V. C.** Un caso di sodoku nella Somalia italiana. Ann. med. nav., Roma, 1927, **1:** 175–9.—**Di Loreto, O.** Su di un caso di sodoku (sokoshio; rat-bite fever; setticemia eruttiva da morso di topo) Ibid., 1925, **2:** 183–90, pl.—**Machado González, A.** Sodokú. Rev. san. mil., B. Air., 1944, **43:** 1046–54.—**Peluso, A.** Sulla spirochetosi sperimentale da morso del topo. Ann. med. nav., Roma, 1932, **38:** pt 1, 279–86.—**Rat-bite** fever. J. R. Army M. Corps, 1945, **85:** 203.—**Reuter, F. L.** Rat-bite fever. U. S. Nav. M. Bull., 1947, **47:** 333–7.—**Rudnev, G.** Sodoku. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 202–4.—**Symonds, J. W. C.** A case of rat-bite fever. J. R. Army M. Corps, 1943, **81:** 288–90.

RAT control.

See also **Rodent control; Rodenticide.**

UNITED STATES. NAVY. BUREAU of MEDICINE AND SURGERY. NAVMED 518: Manual on rat control; American mainland and Pacific region. 24p. 26½cm. Wash., 1944.

Bizzarri, M. La derattizzazione delle navi previo accertamento dell'estensione e del grado di infestazione. Ann. med. nav., Roma, 1949, **54:** 5–14.—**Busch.** Ueber Ratt-entrit. Deut. mil. ärztl. Zschr., 1913, **42:** 932–5.—**Cayrel, A.** La destruction des rats dans les tranchées, résultats d'une première campagne de dératisation dans un secteur de Corps d'Armée. Ann. hyg., Par., 1916, 4. ser., **25:** 50–63. ——— & **Lesbre** Résultats d'une campagne de destruction des rats dans un secteur de Corps d'armée sur le front. C. rend. Soc. biol., 1916, **79:** 370.—**Clark, G. A.** Rat destruction by sulphur dioxide. J. R. Nav. M. Serv., 1932, **18:** 115–8.—**Coogan, G. J.** Rat control at Fort Devens. Bull. U. S. Army M. Dep., 1945, No. 85, 64–71.—**Danysz, J.** Remarques à propos de la communication de M. M. A. Cayrel et Lesbre; résultats d'une campagne de destruction des rats dans un secteur de Corps d'armée sur le front. C. rend. Soc. biol., 1916, **79:** 470.—**Dératisation** (La) par la chloropicrine. Arch. méd. pharm. nav., 1920, **109:** 296–8.—**Dewberry, E. B.** The prevention and destruction of rats. J. R. Army M. Corps, 1920, **34:** 335; 409.—**Hayes, G. H.** Deratization as it affects the Navy (A. F. O. 606/30) J. R. Nav. M. Serv., 1930, **16:** 260–3.—**Kalabukhov, N., Vashkov, V., & Sokolov, D.** Deratizacija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 426–35.—**Kessler.** Rattenbekämpfung an der Front während des Stellungskrieges. Münch. med. Wschr., 1916, **63:** 1470.—**Le Chuiton, F.** Action du fluorosilicate de baryum dans la lutte contre les rats. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2:** 174–7.—**MacKeown, R. J.** Methods employed for the suppression of rats in Royal Naval ships and establishments at Portsmouth. J. R. San. Inst., 1920–21, **41:** 363.—**Munson, T. M.** An efficient rat-killing device for use on board ship. U. S. Nav. M. Bull., 1910, **4:** 514.—**Rat** control as a war measure. Week. Bull. California Dep. Pub. Health, 1942–43, **21:** 129.—**Rivero, P. G.** Sobre procedimientos de desratización; su aplicación en los cuarteles. Rev. san. mil., B. Air., 1914, **13:** 13–26.—**Sokolov, D.** Deratizacija v voenno-morskom flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 432–4.

RATE control test.

See **Aviator,** Fitness tests.

RATION.

See also **Desert; Nutrition; Nutrition service, field; Prisoner of war,** Food and rations; **Ration supply.** For animal ration see under **Forage.**

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 25: Classification of foods, and factors for conversion of unit packages to pounds for use in dietary analysis of rations. 14p. 26cm. Wash., 1944.

UNITED STATES. WAR DEPARTMENT. BUREAU OF PUBLIC RELATIONS. WOMEN'S INTERESTS SECTION. The soldier and his food. 27p. 23½cm. Wash., 1942.

Improving the soldiers' food. Mil. Rev. Fort Leavenw., 1947–48, **27:** 58–64.—**Petrovsky, K.** Mjaso, mjasnye produkty. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1209–18. **Queiroz da Fonseca, A.** Rações alimentares. J. Sind. nac. farm., Lisb., 1940–41, 2. sér., **1:** No. 3, 31; passim.—**Soldier's** (The) diet. Nutrit. Obs., Pittsb., 1943, **4:** 1–3.

—— Adulteration.

Aureggio, E. Les fraudes dans l'alimentation carnée des soldats et des populations; règlements sanitaires; et moyens de les réprimer et de les éviter. C. rend. Ass. fr. avance. sc., 1907, **36:** 522.—**Dixon, S.** Food adulteration in war-time. J. R. San. Inst., 1942, **62:** 137–45.

—— arctic.

See **Arctic service,** Physiology.

—— Aviators.

See also **Nutrition service,** Aviators.

KING, C. G., BICKERMAN, H. A. [et al.] Aviation nutrition studies; effects of preflight and in-flight meals of varying composition with respect to carbohydrate, protein and fat. 14p. 28cm. Wash., 1944.

Forms No. 376, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Andreev, V. V., & Trofimuk, N. A. [Food in altitude flights] Voen. san. delo, 1936, 74–9.—**Diet.** In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 33.—**Kholin, S.** [Diet regimen in aerodromes] Voen. san. delo, 1937, No. 4, 19–21.—**Kornev, A. A., & Trofimuk, N. A.** [Warm food during prolonged flights] Ibid., 1936, 79–81.—**Nutritional** analysis of the GAF ration. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 5a, 1.—**Rations** and water. Ibid., 1945, 34.—**Shavcov, S. I.** [Diet of the pilot before high altitude flight] Feldsher, Moskva, 1941, No. 7, 32.—**Warm** food on heavy bombers. Bull. U. S. Army M. Dep., 1944, No. 81, 17.

—— canned.

See also **Sausage; Tomato;** and other names of canned food.

PINE, M. B. Tests of self-heating food cans. 5 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-280, U. S. Nav. M. Res. Inst.

POMÈS, G. *Contrôle et surveillance des conserves alimentaires á l'Armée. 32p. 24½cm. Par., 1939.

Basset, J. Les conserves des armées en campagne. Rev. path. comp., Par., 1915, **15:** 107–20.—**David & Münchberg.** Betrachtungen über Wehrmachtskonserven vom tierärztlichen Standpunkt. Zschr. Veterinärk., 1943, **55:** 213–25.—**Lobanov, D.** Konservy. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1435–40.—**Merkle.** Betrachtungen über Wehrmachtskonserven vom chemischen Standpunkt aus. Zschr. Veterinärk., 1943, **55:** 226–42.—**Scherstên, B.** [On vitamin-content in the standard rations of canned foods for submarines] Tskr. mil. hälsov., 1940, **65:** 49–59.

—— combat.

JOHNSON, R. E., CROWLEY, L. V. [et al.] Test of operational ration type E, regarding accepta-

bility and nutritional adequacy; final report. 131p. 26½cm. Chic., 1947.
Forms Rep. No. 27, U. S. Army M. Nutrit. Laborat.

United States. Armored Medical Research Laboratory. Project No. 2: Operations at high temperatures; Sub-Project Nos. 2–5, 2–14: A critique of Army rations, acceptability and dietary requirements. v. p. 28cm. Fort Knox, 1944.

—— Project No. 30: Final report on Project No. 30: Test of acceptability and adequacy of U. S. Army C, K, 10-in-1 and Canadian Army mess tin rations. 259p. 28cm. Fort Knox, 1944.

—— Project No. 30: First supplementary report on Project No. 30: Field test of acceptability and adequacy of U. S. Army C, K, 10-in-1 and Canadian Army mess tin rations; numerical requirements for statistically valid results in field test of acceptability of rations. v. p. 28cm. Fort Knox, 1945.

Army's new K ration for paratroops may be authorized for other units. Diplomate, 1942, **14**: 206.—**Boyd, E. M., Copeand, J., & Carruthers, N.** The effect of diets of type C and various K2 biscuits and of baked whole and skim milk upon albino rats. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6120, 1–12.—**Brown, W. H., & McCreary, J. F.** U. S. K ration. In their Field Test Trials of Rations, Ottawa, 1943, 48; 97.—**Chemical** heating of combat rations. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 193.—**Griffith, W. H.** Combat rations. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 4, 14.—**Register, U. D., Lewis, U. J.** [et al.] Studies on the nutritional adequacy of Army combat rations. J. Nutrit., 1950, **40**: 281–94.—**Sporn, E. M., & Elvehjem, C. A.** Growth and reproduction of rats fed Army combat rations Ibid., 1948, **35**: 549–58. ——— **& Ruegamer, W. R.** Studies with monkeys fed Army combat rations. Ibid., 559–75.—**Tyler, D. B.** Study of reactions of men subsisting on combat rations under conditions of induced fatigue. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–25, 1.

—— compact.

Brown, W. H., & McCreary, J. F. The compact rations. p.41–106. 18½cm. Ottawa, 1943.
In their Field Test Trials of Rations, Ottawa, 1943.

Cunningham, R. M., jr. Fighting foods. Hygeia, Chic., 1943, **21**: 118–20.—**Kark, J. M., McCreary, J. F., & Johnson, R. E.** Methods of evaluation of compact rations. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6132, 1–9.—**Kreyberg, L.** Konsentrerte militaerrasjoner for lang tids bruk. Nord. med., 1948, **40**: 2171. ——— Konsentrerte rasjoner for lang tids bruk ved små avdelinger. Tskr. Norske laegeforen., 1948, **68**: 372–4.—**Lobanov, D.** Koncentraty piśćevye. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 48–51.

—— Dairy products.

See as main heading.

—— dehydrated.

See also **Pemmican.**

Army specifications for dehydrated foods. Food Indust., 1943, **15**: No. 5, 58.—**DeEds, F.** Dehydrated food in war and peace. California West. M., 1944, **60**: 250–3.—**Dehydration** (The) industry in war-time. Brit. Food J., 1943, **45**: 31; passim.—**Highlands, M. E.** Dehydrated foods in the Army ration. J. Am. Diet. Ass., 1943, **19**: 349–51.—**Howe, P. E., & Cajori, F. A.** Dehydrated foods for the Army. J. Home Econom., 1943, **35**: 8–14.—**Kintner, J. H., & DeLay, P. D.** Sanitation aspects of vegetable dehydration plants. Mil. Surgeon, 1943, **92**: 520–5.—**McClendon, J. F.** Dehydrated food and Army morale. Hahneman. Month., 1943, **78**: 200–2.

—— emergency.

See also **Life raft.**

[United States] Conference on Survival and Emergency Rations [1947] Conference reports. 81p. 26½cm. Chic., 1947.

Davis, E. C. Streamlined rations; for emergency use, Army research has prepared new concentrated foods for quick, intensive energy. Science News Lett., 1940, **37**: 394.—**Kark, R. M., Johnson, R. E., & Lewis, J. S.** Defects of pemmican as an emergency ration for infantry troops. War Med., 1945, **7**: 345–52.—**Nutrition** from emergency rations. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 132.

—— meat.

See **Meat.**

—— Medical and veterinary inspection.

See **Food inspection; Meat inspection;** also **Veterinarian, Duties.**

—— non-perishable (Type B)

Berryman, G. H., Henderson, C. R. [et al.] Nutritional evaluation of overseas rations. Mil. Surgeon, 1944, **95**: 391–6.—**B ration.** In: Prev. Med. in World War II, Wash., 1948, **3**: 41.—**Griffith, W. H.** Type B ration. Ibid., **2**: pt 4, 15–7.—**Nonperishable** food for the Army. J. Am. M. Ass., 1941, **117**: 375.—**Wodicka, V. O.** Nutritional problems of Army overseas rations. J. Am. Diet. Ass., 1943, **19**: 828–31.

—— overseas.

See preceding subheading.

—— packaged.

See also under subheading (Value)

Crowley, L. V., Johnson, R. E., & Anderson, G. V. Medical nutritional aspects of troops allowed free choice of any quantity of any item in a packaged ration. Fed. Proc., Balt., 1947, **6**: 404.—**Nutritional** value of packaged rations. Bull. U. S. Army M. Dep., 1945, **4**: 335.

—— Preparation.

See also **Cooking.**

McCay, C. M., & Gortner, R. A., jr. Observation and suggestions concerning food preparation at twenty-five Naval shore stations. 13p. 26½cm. Bethesda, 1945.
Forms Rep. No. 10, Res. Proj. X–184, U. S. Nav. M. Res. Inst.

Pijoan, M., & McCay, C. M. Losses of vitamin C in the preparation of certain foods. 9p. 26½cm. Bethesda, 1943.
Forms Rep. No. 1 of preceding research project.

Strof, M. K. De re culinaria; la importancia de tener estómago; estrategía, táctica culinarias y otras finezas. Rev. mil. Perú, 1942, **29**: pt 3, 137–43.—**Taubkens, H. F.** Physical processes in the preparation of food. Hosp. Corps Q., 1944, **17**: No. 6, 104–31.

—— Problems.

Adams, W. L., & Beavers, A. J. Rations as a nutritional problem. Air Surgeon Bull., 1945, **2**: 131–4.—**Murlin, J. R.** Technical and scientific studies relative to food problems. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 206–21.

—— Research.

See with **Research,** Food research.

—— Spoilage.

See also **Food infection; Food poisoning.**

Comploier, F. C., & Gillmore, J. D. Bacteriological examination of Maxson sky plates submitted by COMNATS, 11 January 1946. 8p. 27cm. Bethesda, 1946.
Forms Rep. No. 3, Res. Proj. X–169, U. S. Nav. M. Res. Inst.

Anderson, S. M. Salvaging of damaged foods in a military disaster. Sanitarian, Los Ang., 1942, **5**: 167, &c.—**Beveridge, W. W. O.** On the use of potassium nitrate as a food preservative; with some methods of analysis. J. R. Army M. Corps, 1908, **10**: 124–32.—**Eckert, J. W.** The Army conserves its food. Mod. Hosp., 1943, **61**: No. 5, 94.—**Hardy, E.** Preventing spoilage in wartime storage. Food Indust., 1942, **14**: No. 8, 44.—**Microbiological** aspects of health hazards in foods. Activit. Rep. U. S. Quartermast. Food & Cont. Inst., 1949, **2**: 14; 133; 237.—**Stille, B.** Mikrobiologie. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 339–44.

—— Storage.

See also **Ration supply.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 61/5: Lagerkunde für verderbliche Lebensmittel. 134p. 21cm. Berl., 1941.

Heiss, R. Fortschritte der Lebensmittel-

forschung; Arbeitsbericht über Lebensmittelfrischhaltung. 209p. 23½cm. Dresd., 1942.
Form v. 2, Wehrmacht Verpfleg., Dresd., 1942.

Food storage boxes. Air Surgeon Bull., 1944, 1: No. 12, 25.—**Fullaway, D. T.** Food storage problems under war conditions. Proc. Hawaii. Acad. Sc. (1940–43) 1945, 16–18. meet., 20.—**Gordon, J. E.** Protection of stored basic foods. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 2, No. 2, 27. ——— Long storage at room temperature. Ibid., 29.—**Smallman, B. N.** Relation of insect damage to thiamine content of biscuits. J. Econom. Entom., 1945, 38: 106–10.—**Sochilova, A.** Ispytanie pitatelnykh sred posle prodolźitelnogo sroka ikh khranenija. Voen. san. delo, 1940, No. 4, 51–3.—**Storage** and preparation of frozen foods. Hosp. Corps Q., 1944, 17: No. 6, 47–51.—**Stowage** and preservation of commissary stores. Ibid., 52–6.

—— Taste and odor.

Bean, W. B., Henderson, C. R. [et al.] Ration acceptability. In: Prev. Med. in World War II, Wash., 1948, 10: 193.—**McCready, M. S.** Flavouring tests for a special high protein milk shake. Proc. Com. Army M. Res. (Canada) 1945, 7. meet., 2: C–6197.—**Psychophysiological** studies. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 343.—**Psychophysical** studies in taste and odor perception. Ibid., 351.

—— Value.

Great Britain. Privy Council. Medical Research Council. Accessory Food Factors Committee. Nutritive values of wartime foods; tables compiled for the Accessory Food Factors Committee. 59p. 24½cm. Lond., 1945.
Forms War Mem. No. 14, Med. Res. Counc. Gr. Britain.

United States. War Department. Technical bulletin TB MED 141: Nutritional value and characteristics of certain expeditionary and packaged rations. 4p. 26cm. Wash., 1945.

Bergren, W. R. Nutritional evaluation of the ration. J. Mil. M. Pacific, 1946, 2: No. 4, 31–43.—**Elvehjem, C. A., & Cooperman, J.** Studies on the nutritional value of Army rations as determined by experiments on monkeys. Project Abstr. Com. Food Res. Quartermast. Gen., 1945, NU–12, 1.—**Grlić, L.** O novim metodama za brzo odredivanje kaloriične vrijednosti hrane. Voj. san. pregl., Beogr., 1948, 5: 221–4. ——— Jednostavna terenska metoda za odredivanje kaloriične vrijednosti hrane. Ibid., 1949, 6: 489–93.—**Chapman, D. G., & Lusena, C. V.** The nutritional value of the ration as influenced by heating, presence of antioxidants and the amount and melting point of the fat. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6118, 1–19, 4 tab.—**Nutritional** studies on low caloric intake rations. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 331–3.—**Ration** evaluation. Ibid., 329.

—— Value: Testing.

See also **Nutrition,** Caloric and other requirements.

Johnson, R. E., & Kark, R. M. Feeding problems in man as related to environment; an analysis of United States and Canadian army ration trials and surveys, 1941–46. 94p. 27cm. Chic., 1947.

Swain, H. L., Tóth, F. M. [et al.] Final report of three nutrition surveys at Fort Churchill, Manitoba, Canada, 1947–48. 10p. 27cm. Chic., 1948.
Forms No. 40, Rep. Med. Nutrit. Laborat. U. S. Army.

Bean, W. B. Field testing of Army rations. J. Appl. Physiol., 1948, 1: 448–57.—**Controlled** ration test. J. Am. M. Ass., 1944, 126: 439.—**Field** test of rations. Bull. U. S. Army M. Dep., 1945, No. 85, 17.—**Verma, O. P., Dilwali, C. K., & Thomson, A. M.** A feeding experiment on Indian Army pioneer recruits, with special reference to the relative value of meat and milk rations. Ind. J. M. Res., 1947, 35: 41–57.

—— Vitamin content.

See also **Vitamin.**

Lyle, T. K., Macrae, T. F. [et al.] Effects of administration of vitamin A, ascorbic acid and riboflavin to R. A. F. personnel. 20, 12 l. 30cm. Lond., 1942.
Forms F. P. R. C. No. 473, Gr. Britain Flying Pers. Res. Com.

Vitaminversorgung (Die) der Truppe; Vorträge gehalten anlässlich der Arbeitstagung am 30. September 1942 im Institut für Ernährung und Heilpflanzenkunde in Dachau vor Vertretern des Heeres, der Reichsgesundheitsführung und der Waffen–SS. 136p. 20cm. Berl., 1942.

Eddy, W. H. Diet insurance. Mil. Surgeon, 1936, 79: 215–9.—**Food.** J. R. Army M. Corps, 1940, 75: 178–81.—**Heiss, R.** Ueberblick über die Vitaminerhaltung. In: Wehrmachtverpflegung, Dresd., 1942, 1: 61–6.—**Hosse, R.** Fleisch und Wurst als Vitaminträger. Ibid., 74–84.—**Kafka, M. M.** Vitamins for the pilot; or, The importance to the pilot of a balanced diet. Mil. Surgeon, 1940, 86: 167–70.—**Keys, A., & Henschel, A. F.** Vitamin supplementation of U. S. Army rations in relation to fatigue and the ability to do muscular work. J. Nutrit., 1942, 23: 259–69.—**Krotkov, F. G.** Rol vitaminov v pitanii sovremennykh armij. Voen. san. delo, 1941, No. 4, 60; 1942, No. 11, 59; 1943, No. 2, 45.—**Lemmerich, E.** Herstellung von nativen Vitamin-Anreicherungen Verbesserung und Steigerung durch Keimung. In: Wehrmachtverpflegung, Dresd., 1942, 1: 66–74.—**Naidus, D. I.** Rol i znaćenie vitaminov v vojskovoj časti. Voen. san. delo, 1940, No. 6, 54–7.—**Nutrition** and vitamins. Field M. Bull. U. S. Army, N. Delhi, 1943, 2: 108–12.—**Starfinger, W.** Vitamin C in der Truppenverpflegung. Deut. Militärarzt, 1938, 3: 108–12.—**Thomann, J.** Vitamin C und seine Bedeutung für die Ernährung; Nutzanwendung für die Soldatenkost. Schweiz. Apoth. Ztg, 1938, 76: 413–8.—**Varshavsky, K. M.** K voprosu o profilaktićeskom i lećebnom znaćenii vitamina C i rol vojskovogo vraća v dele sokhranenija vitaminov v pitanii bojca. Voen. san. delo, 1940, No. 6, 57–61.—**Wierzchowski, J. M.** Oznaczenie witaminy B_1 oraz kwasu nikotynowego w polskich i brytyjskich sucharach wojskowych. Lek. wojsk., 1943–44, 35: 259–61.—**Zeller, E. A.** Beiträge zur Kenntnis der Vitaminversorgung der Schweizerischen Armee und Zivilbevölkerung; der Vitamin B_1-Gehalt des schweizerischen Einheitsbrotes. Schweiz. med. Wschr., 1941, 71: 228.—**Ziegelmayer, W.** Vitaminhaltige Lebensmittel beim Feld- und Heimatheer. In: Wehrmachtverpflegung, Dresd., 1942, 1: 59–61.

—— by countries.

Carmo, P. L. do, Machado Faria, F. J. [et al.] Estudo das rações para praças europeias e indígenas. Bol. Dir. serv. saúde mil., 1942, 5: 37–70.—**Crocco, C.** Análisis de substancias alimenticias y bebidas en las unidades de la division de Ejército y en la división de caballería en campaña. Rev. san. mil., B. Air., 1936, 35: 93–115.—**Merlo González, J. A.** Proyecto de Código de análisis bromatológico. Rev. san. mil., Habana, 1940, 4: 332; 1941, 5: 142, tab.

—— by countries: Canada.

Brown, W. H., & McCreary, J. F. Field test trials of rations, Camp Penobsquis, N. B., September 2–11, 1942. 203p. 18½cm. Ottawa, 1943.

Branion, H. D., Roberts, J. S. [et al.] The nutritive value of food served in Royal Canadian Air Force messes. Canad. J. Pub. Health, 1947, 38: 220–31.—**Campbell, J.** Dietary survey at the upper and lower cafeterias, H. M. C. S. Avalon. Proc. Com. Nav. M. Nat. Res. Counc. Canada, 1945, 4. meet., 77–81.—**Cook, A. B.** Standard Canadian army ration. In: Field Test Trials of Rations (Brown, W. H.) Ottawa, 1943, 54–9.—**Downing, G. M.** Proposed Canadian mess tin ration. Ibid., 60–75, illust.—**Hopkins, J. W., Marshall, J. B., & Creasy, J. C.** Statistical estimation of vitamin C intake of troops on Canadian Army garrison rations. Canad. J. Pub. Health, 1944, 35: 384–91.—**Tice, J. W., Tidsall, F. F., & McCreary, J. F.** Nutritional control of foods served in the Royal Canadian Air Force. J. Aviat. M., 1945, 16: 181–6.

—— by countries: France.

Dubois. Notice sur le menu type décompté appliqué à l'alimentation des militaires coloniaux. 28p. 21cm. Par., 1937.

Pilorgé, D. A. *Considérations sur la ration alimentaire du soldat. 68p. 25½cm. Bord., 1940.

Des Cilleuls, J., & Crosnier, R. Observations relatives à la ration dans ses rapports avec l'état d'entretien de la troupe. Bull. Acad. méd., Par., 1943, 127: 200–4.—**Leroy, P.** Les rations conditionnées françaises et étrangères. Rev. vét. mil. Par., 1948, 3: 268; passim.

—— by countries: Germany.

See also under **Nutrition service.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 43a: Vorschrift für die Verwaltung der Truppenküchen (Heer) Beiheft: Uebersicht über den Nährstoffgehalt

und den Nährwert, Kalorien, der wichtigsten Nahrungsmittel. 12p. 21cm. Berl., 1937.

Army ration [Germany] J. Am. M. Ass., 1938, **110**: 1684.—**Bircher, R.** Soldatenkost. Wendepunkt, Zür., 1934–35, **12**: 466; 626; 1935–36, **13**: 146.—**Daily** allowances of rationed foods in Germany from 1939 to 1945 [tab.] In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 365–71.—**Gemeinhardt, K.** Analysen und Nährstoffgehalt der Wehrmachtverpflegungsmittel. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 233–41.—**Modern** army rations [German] Mil. Rev., Fort Leavenw., 1942–44, **23**: No. 12, 86.—**Rations** used in German services. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6m, 2.—**Regulation** governing the ration system for food for the 74th ration period from 2 April–29 April 1945, with supplements for the 73rd ration period. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 353–6.—**Rugo, H. J.** Food control and rationing system. Ibid., 273–82.—**Starfinger.** Ist der Kaloriengehalt und der Vitamingehalt der Truppenverpflegung ausreichend? Med. Klin., Berl., 1940, **36**: 1010 (Abstr.)—**Stutz, L.** Die Herstellung und Beurteilung der Dosenkonserven vom militär-hygienischen Standpunkte. Deut. Militärarzt, 1940, **5**: 549–58.—**Ungerer.** Nahrungsmittelkonzentrate. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 214. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 260.—**Vitaminreiche** Ernährung unserer Soldaten; die Wissenschaft im Dienste der Wehrmacht. Deut. Aerztebl., 1940, **70**: 59.

—— by countries: Great Britain.

Anderson, T. F. The diet of the African soldier. East Afr. M. J., 1943, **20**: 207–13. Also J. Trop. M. Hyg., Lond., 1943, **46**: 59–62.—**Biochemist** to study the food of the Air Force [Great Britain] J. Am. M. Ass., 1941, **117**: 548.—**M., I.** Green vegetables. Brit. J. Nurs., 1940, **88**: 129.—**Macrae, T. F., Barton-Wright, E. C., & Copping, A. M.** The riboflavin content of food served in Royal Air Force messes. Biochem. J., Lond., 1944, **38**: 132–5.—**Squires, A. H.** British mess tin ration. In: Field Test Trials of Rations (Brown, W. H.) Ottawa, 1943, 79–87, illust.

—— by countries: India.

Verma, O. P. A diet survey. J. Ind. Army M. Corps, 1947, **3**: 24–7.

—— by countries: Italy.

Giusti, D. G. Norme pratiche per dichiarare accettabili i viveri per parte delle Commissioni della Regia Marina. 49p. 8° Spezia, 1905.

Belli, C. M. La riforma della razione alimentare del marinaio militare. Q. nutriz., Bologna, 1934–35, **1**: 87–98.—**Moleschott, J.** Sulla razione giornaliera di viveri ordinata per le truppe italiane sul piede di guerra. Gior. farm. chim., Tor., 1866, **15**: 317–22.

—— by countries: Japan.

See also Japan under **Nutrition service.**

Mori, R., Oi, G., & Ihisima, S. Untersuchungen über die Kost der Japanischen Soldaten. p.1–84. 26cm. Tokyo, 1892.

In: Arb. Jap. milit. ärztl. Lehranst., Tokyo, 1892, **1**:

Also in Japan & seine Gesundhpfl. (Mori, R.) Tokyo, 1911, 77–166.

Captured Japanese rations may be eaten. Intell. Bull., Wash., 1944–45, **3**: No. 2, 73–82.—**Hanada, M.** Rations for aircrews of the JAAF. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 230, 1.—**Japanese** army rations. Intell. Bull., Wash., 1943–45, **2**: No. 9, 48–53.—**Mori, R.** Japanische Soldatenkost vom Voit'schen Standpunkte. Arb. Jap. milit. ärztl. Lehranst., Tokyo, 1892, **1**: 91–105.—**Odazima, S.** Kaigun heisyoku no genzyō [Present conditions regarding the diet of sailors in the Navy] Nippon igakkai kaisi, 1938, 10. Conf., 228–31.—**Oi, G.** Ueber die Kost japanischer Militärkrankenwärter. Arb. Jap. milit. ärztl. Lehranst., Tokyo, 1892, **1**: 110–2.—**Taniguti, K.** Einige Versuche mit der japanischen Reiskost. Ibid., 85–90.—**Wang, N. K.** Nanrei kihei butai no heisyoku ni kan-suru ni-san no kōsatu [A few observations on the Army food with the Nan-ling cavalry force (in Manchuria)] Gun idan zassi, 1938, No. 303, 969.

—— by countries: Jugoslavia.

Košuta, E. Kako smo riješili problem zaštite od crijevnih zaraza u garnizonu N. Voj. san. pregl., Beogr., 1948, **5**: 387.

—— by countries: Mexico.

See also **Nutrition service.**

González F. de Jauregui, J. Alimentación actual de Ejército en las distintes regiones del país, en el cuartel y en los campámentos. Mem. Convenc. méd. mil. mex., 1936, 96–114, 8 map.—**Ración** en el Ejército mexicano. Bol. Of. san. panamer., 1943, **22**: 818.

—— by countries: Norway.

Dyme, H. C. Norwegian emergency food concentrate, KG–12. 9p. 27cm. Dayton, 1949.

Forms No. MCREXD–691–3K, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— by countries: Peru.

Galván Negrón, G. Estudio de la ración de reserva para el soldado peruano. An. Esc. farm. Univ. San Marcos, 1939, **1**: 5–48.

—— by countries: Philippine Islands.

Concepcion, I. The nutritive value and cost of the constabulary ration. Bull. Nat. Res. Counc. Philippine Islands, 1936, No. 11, 28–31. Also Philippine J. Sc., 1937, **62**: 89–114.

—— by countries: Poland.

Dolatkowski, A. [Investigations on the content of vitamin C in the Army rations] Lek. wojsk., 1938, **32**: 343–51.—**Kopec, A.** [Analysis of the annual, alimentary ration of a soldier in one of the units] Ibid., 1939, **33**: 169–93.—**Krzywiec, J.** [Analysis of the army diet and vitamines] Ibid., 1936, **27**: 439–42.—**Wierzchowski, J.** Polish and British Army biscuits; vitamin B, and nicotinic acid contents. Pharm. J., Lond., 1945, **100**: 167.

—— by countries: Russia.

See also this country under **Nutrition service.**

Kholin, S. Paek. In: Bolsh. med. encikl., 1932, **23**: 531–3.—**Krotkov, F., & Sokolov, M.** Paek piśćevoj. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 291–7.—**Molchanova, O.** The standard ration of food of the commanders of the Red Army] Vopr. pitan., 1935, **4**: No. 2, 1–4. ——— [Rations and food regime of the Red Army in subtropical climatic conditions] Ibid., 4–7.—**Sokolov, M.** Paek piśćevoj v Voenno-Morskom Flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 294–6.—**Zinovjev, K. N.** Piśćevoe dovolstvie v russkom flote. Morsk. viach, 1914, 1; passim; 1915, 1; passim; 1916, 18; passim.

—— by countries: Spain.

González de la Peña, E. Bromatología castrense. Ejército, 1942, No. 29, 39–42.

—— by countries: Sweden.

Rahm, N. Krigssjukportion för fördelnings- och etappsjukhus (dietkost) In: Fältmed. vademecum, Stockh., 1940, 95–107.—**Scherstén, B.** [Report of the medical investigation in reference to the amount of calories and vitamins supplied in the meals at the Karlskrona Naval Station] Tskr. mil. hälsov., 1939, **64**: 84–107.

—— by countries: Switzerland.

See also under **Nutrition service.**

Saner, L. *Le régime alimentaire de l'Armée suisse; ses avantages et ses inconvénients. 80p. 8° Strasb., 1949.

—— by countries: United States.

See also **Nutrition service.**

Changes in federal specifications. Vet. Bull., Carlisle, 1941, **35**: 279.—**Howe, P. E.** The dietaries of our military forces. Ann. Am. Acad. Polit. Social Sc., 1943, **225**: 72–9.—**Ration** kits for USSAF in Europe. J. Am. M. Ass., 1944, **125**: 498.

—— by countries: United States—Air Force.

See also **Nutrition service,** Aviators; **Ration,** Aviators.

Jackson, M. M., & Robinson, T. W. Packet, Assault, Type G. 40p. 27cm. Dayton, 1949.

Forms No. MCREXD–691–2C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Melnick, D. Development of ration units for the Air Force emergency ration. 19, xvi p. 26½cm. Chic., 1949.

Forms Rep. No. 1, Proj. 7–84–07–02, Res. Rep. U. S. Quartermast. Food & Contain. Inst. Armed Forces.

Stefansson, V. [Combat flying, diet] In his Not by Bread Alone, N. Y., 1946, 265.

—— by countries: United States—Army.

See also **Nutrition service,** History.

Brown, W. C. The Army ration, old and new. 12p. 19cm. Jeffersonville, 1921.

United States. War Department. Technical manual, TM 10–412: Army recipes. 268p. 23½cm. Wash., 1944.

Anderson, I. A. Rations for the Army in the field. In: Interallied Conf. War Med. (1942–45) 1947, 36–41.—**Army** rations as baby food. Quartermaster Rev., 1943, **23**: No. 2, 115.—**Bergholz, E. A.** Can a vitalist eat the Army diet. Health Cult., N. Y., 1941, **47**: No. 9, 24; 48.—**Davis, E. C.** Los alimentos de bolsillo son vitales para la defensa norteamericana. Rev. mil. Perú, 1944, **41**: 259–62.—**Food** and nutrition. In: Prev. Med. in World War II, Wash., 1948, **6**: 108–13.—**Howe, P. E.** Food, nutrition, and the Army. Army M. Bull., 1941, No. 58, 72–97. ——— The effect of recent developments in nutrition on the rationing of the Army. Connecticut M. J., 1942, **6**: 157–61.—**Jones, H. W.** Rations. Current List M. Liter., 1943, **4**: No. 10, 1.—**Murlin, J. R.** The Army ration. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 186–90.—**Osmun, R. A.** Army food and the future. J. Am. Diet. Ass., 1942, **18**: 27.—**Que** come o Exército norte-americano. Impr. méd., Rio, 1943, **18**: No. 352, 142.—**Soldiers** thrive on Army's new light-weight ration. Diplomate, 1942, **14**: 84.—**U. S.** (The) Army diet. Bull. U. S. Army M. Dep., 1946, **5**: 377.—**White, J. H.** Army needs 13 new foods. Food Indust., 1942, **14**: No. 3, 38.

—— by countries: United States—Navy.

See also **Nutrition service.**

Food, inspection, preparation, and preservation of [form letter] Bumed News Lett., Wash., 1943, **1**: No. 2, 14.—**McCay, C. M., Davis, F. H.** [et al.] The nutritive value of Naval food. U. S. Nav. M. Bull., 1945, **45**: 903–9.—**McCay, C. M., Pine, M. B.** [et al.] Nutritive value of food served in some large naval messes. J. Am. Diet. Ass., 1945, **21**: 88–91.—**Mann, W. L.** Vitamins and the evolution of the Navy ration. U. S. Nav. M. Bull., 1935, **33**: 421–7.—**Phelps, J. R.** The Navy ration from the viewpoints of nutritional science and practical administration. Ibid., 1926, **24**: 381; 633; 955.

RATIONING.

See **Drug supply,** Control and rationing; **Food rationing; Physician,** Relocation and rationing.

RATION supply.

See also **Food supply.**

Army estimates requirements for canned fruit, vegetables. Food Indust., 1941, **13**: No. 4, 67.—**Berryman, G. H., & Chambers, W. H.** Military nutrition and problems of supply. Gastroenterology, 1943, **1**: 335–46.—**Food** selection and identification. Hosp. Corps Q., 1944, **17**: No. 6, 36–46.—**Griffith, W. H.** Planning for rations in combat. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 4, 13.—**Zinovjev, K. P.** K voprosu o snabżenii maslom Baltijskago flota. Med. pribav. k morsk. sborniku, 1909, pt 2, 364–74.

—— Distribution.

See also **Canteen; Hospital service,** Food supply and diet; **Mess.**

Court, A. Climatic zones for ration issue. 11 l. 26cm. Wash., 1948.

Forms No. 138, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Castex, M. R., Orosco, G., & Capdehourat, E. L. Importance of providing fresh food for the Army during maneuvers by means of great tonnage airplanes. War Med., Chic., 1942, **2**: 525 (Abstr.)—**Kaess, G.** Abteilung Zusatzverfahren und Verpackung. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 333–8.—**Werres, E.** Die Lieferungs- und Abnahme-Bedingungen der Heeresverwaltung für Lebensmittel. Ibid., 303–9

—— Food consumption.

Schor, H. C., & Swain, H. L. Report of simultaneous surveys of food consumption in various camps of the United States Army, 22–28 May 1945. 18 l. 27cm. Chic., 1948.

Forms Rep. No. 36, Med. Nutrit. Laborat. U. S. Army.

Howe, P. E., & Berryman, G. H. Average food consumption in the training camps of the United States Army, 1941–43. Am. J. Physiol., 1945, **144**: 588–94.—**Schor, H. C., & Swain, H. L.** Simultaneous surveys of food consumption in various camps of the United States Army. J. Nutrit., 1949, **38**: 51–62.

—— Master menu.

See also **Nutrition service,** Meals.

Ziegelmayer, W. Die Bedeutung des Speisenplanes für die Truppen- und Gemeinschaftsverpflegung. p.89–232. 24cm. Dresd., 1942.

In: Wehrmachtverpflegung, Dresd., 1942, **1**:

Caloric value of the March master menu. Med. Bull. U. S. First Army, 1948, **3**: No. 3, 10.

—— Procurement.

See also **Ration,** Storage.

Griffith, W. H. Local procurement of foodstuffs. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 4, 37.—**Living** off the land. Gen. M. Interest Lett., Ottawa, 1944, No. 7, 6–8.—**Sureyya Endik** [The question of food and water in areas occupied by the Army] Askerî sıhhiye mecmuası, 1939, **68**: 90–2

—— for animals.

Weiss. Ueber die Aufbewahrung des Rauhfutters im Felde. Berl. tierärztl. Wschr., 1942, 263–6.

RAT mite.

See also **Pediculoides.**

Blount, R. E., & Barron, E. M. Straw mattress dermatitis in Britain associated with rat mite. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 59–61.

RATTAN litter.

See **Litter.**

RAVENSBRUCK.

See **Internee,** Medical experiences.

RAY index.

See under **Fitness,** Tests.

RAYNAUD'S disease.

See also **Scleroderma; Vasomotor nerves.**

Amenta, A. Cangrena simmetrica delle estremità (malattia di Raynaud) Gior. med. mil., 1913, **61**: 460–3.—**Bassères, F.** Sur un cas d'asphyxie locale paroxystique des extrémités. Arch. méd. pharm. mil., 1910, **55**: 189–200.—**Brooke, C. R.** Physical therapy in Raynaud's disease. Med. Bull. Veterans Admin., 1931, **7**: 1174–8.—**Brugeas.** Traitement d'un cas de maladie de Raynaud par la résection de la chaîne sympathique cervicale. Arch. méd. pharm. nav., 1934, **124**: 39–41.—**Cook, A. H.** The diagnosis of Raynaud's disease. Mil. Surgeon, 1939, **85**: 528.—**Geissler.** Ueber symmetrische Gangrän der Extremitäten (Raynaudsche Krankheit) Deut. mil. ärztl. Zschr., 1909, **38**: 629–32.—**Kawasaki, H.** Malaria ni in-suru Raynaudsi byō no iti rei [Case of Raynaud's disease caused by malaria (following malaria)] Gun idan zassi, 1928, No. 185, 1445.—**Oprescu, D., & Vasilescu, C.** Un caz de maladie Raynaud asociată cu sclerodermie în plăci. Rev. san. mil., Bucur., 1937, **36**: 887–91.

REACTION time.

See also **Nerve injury,** Diagnosis; **Psychomotor test.**

Birren, J. E., & Eicher, M. The use of an electronic time delay circuit in reaction time apparatus. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 4, Res. Proj. X-293, U. S. Nav. M. Res. Inst.

Brown, J. S. The S. A. M. Self-Pacing Discrimination Reaction Time Test (CP611E) 9p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 275, U. S. Air Force School Aviat. M.

Forlano, G., Barmack, J. E., & Coakley, J. D. The effect of ambient and body temperatures upon reaction time. 34 l. 28cm. Port Washington, 1948.

Forms No. 151-1-13, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Melton, A. W. The S. A. M. Discrimination Reaction Time Test for the classification of aviation cadets. 23p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 49, U. S. Air Force School Aviat. M.

Thorne, F. H. A simple apparatus for measuring and recording reaction time periods. Mil. Surgeon, 1927, **60**: 555–61, 2 pl.

READING.

See also **Vision.**

Spragg, S. D. S., & Rock, M. L. Dial reading performance as related to illumination variables;

spectral distribution. 26 l. 26½cm. Dayton, 1948.
Forms No. MCREXD-694-21A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

READY room.

See under **Night vision,** Effect of various factors.

REAGENT.

See **Laboratory,** Equipment.

REANIMATION.

See **Resuscitation;** also **Blood transfusion,** Reanimation.

REBREATHING apparatus.

See **Oxygen equipment; Respirator.**

RECATEGORIZATION.

See under **Medical examination.**

RECEIVING ward.

See under **Hospital service.**

RECEPTION.

See **Casualty,** Reception.

RECEPTION station.

See also **Foreign service; Induction station.**
Alley, R. C. Processing at a reception center. Kentucky M. J., 1943, **41:** 164–6.—**Saslaw, M. S., & Oliver, E. B.** Medical care at a reception center. Mil. Surgeon, 1942, **90:** 57–9.

RECIRCULATOR.

See **Aircrew,** Oxygen supply.

RECONDITIONING.

See also **Disabled,** Rehabilitation; **Neuropsychiatric casualty; Neuropsychiatry**—by countries: United States Army; **Neurotic,** Rehabilitation.

United States. Department of the Army. Technical manual, TM 8–292: Physical reconditioning. 290p. 23cm. Wash., 1945.
Blaine, B. C. The Army proves the value of reconditioning. Mod. Hosp., 1944, **63:** No. 5, 69–71.—**Hillman, C. C.** Objectives of reconditioning. Recondit. Conf. (9. Serv. Com.) 1944, 4–7.—**Huddelson, O. L.** Principles of reconditioning in certain medical and surgical conditions (cardiac and chest) Treatm. Serv. Bull., Ottawa, 1946, **1:** 6.—**Krusen, F. H.** Wartime physical reconstruction. Collect. Papers Mayo Clin. (1943) 1944, **35:** 687–99.—**Mueller, V. A.,** jr. Analysis of advanced reconditioning cases. Bull. U. S. Army M. Dep., 1946, **5:** 116–9.—**Reconditioning** of patients. Ibid., 1944, No. 79, 23.—**Strickland, B. A.,** jr, & **Morgan, C. W.** Physical reconditioning. Ibid., 1947, **7:** 768–75.—**Thorndike, A.** Reconditioning in military medicine. Physiother. Rev., 1944, **24:** 190. ——— Reconditioning the soldier patient. Rocky Mountain M. J., 1944, **41:** 718–20.

—— Congress.

Reconditioning Conference [1944] Proceedings, Reconditioning Conference, classes I and II trainees. 42p. 27cm. Atlantic City, 1944.

Reconditioning Conference on the Convalescent Hospital Reconditioning Program [1945] Proceedings. 86p. 32cm. Lexington, 1945.

United States. Army Service Forces. Fifth Service Command, & Sixth Service Command. Reconditioning conference, Fifth and Sixth Service Commands, 10–11 April 1944, Nichols General Hospital, Louisville, Ky. 85p. 27cm. Louisville, 1944.

United States. Army Service Forces. Ninth Service Command. Reconditioning conference held at Hammond General Hospital, Modesto, California, June, 16–17, 1944. 82 l. 33cm. Modesto, 1944.

—— Organization.

See also **Physical therapy,** Organization; **Physical training,** Organization.
Address of Donald A. Covalt, M. D., Assistant Medical Director, Medical Rehabilitation and Physical Medicine, Veterans Administration. Arch. Phys. M., 1946, **27:** 639–41.—**Address** of Howard H. Montgomery, Capt. (MC), U. S. Navy, Medical Officer in Command, U. S. Naval Hospital, Philadelphia. Ibid., 638.—**Address** of Major General Norman T. Kirk, the Surgeon General, United States Army. Ibid., 636–8.—**Barton, W. E.** Reconditioning program in Army hospitals. Occup. Ther. Rehabil., 1944, **23:** 174–8. ——— The psychiatric patient in the reconditioning program. Recondit. Conf. (9. Serv. Com.) 1944, 30–6.—**Bilik, S. E.** Reconditioning program at Welch Convalescent Hospital. Hosp. Topics, 1944, **22:** No. 9, 24.—**Boeckman, F. P.** The reconditioning program; the Army's answer to the manpower shortage. J. Am. M. Ass., 1944, **125:** 280–2.—**Briscoe, W. S.** Educational reconditioning activities. Recondit. Conf. (9. Serv. Com.) 1944, 20–9.—**Cheney, G.** Reconditioning program, general medical and malaria wards, Hammond General Hospital. Ibid., 49–51.—**Esslinger, A. A.** Physical reconditioning in convalescent classes III and II. Ibid., 14–20.—**Huddleston, O. L.** Physical therapy and reconditioning therapy at Fitzsimons General Hospital, Denver. Arch. Phys. M., 1946, **27:** 11–7.—**Kunkel, P.** Reconditioning program in an overseas general hospital. Physiother. Rev., 1946, **26:** 21–3.—**Layman, J. W.** Reconditioning Program; Army General Hospitals. Psychol. Bull., 1944, **41:** 515–8.—**McCloy, C. H.** Physical reconditioning in the Army Service Forces. J. Health Phys. Educ., 1944, **15:** 365, &c.—**Petree, N. H.** Physical reconditioning in Japan. Bull. U. S. Army M. Dep., 1948, **8:** 547–9.—**Piazza, F.** The reconditioning program at Moore General Hospital. Mil. Surgeon, 1945, **96:** 81–4.—**Rathauser, F., & Ulfelder, H.** Reconditioning program in a station hospital. Bull. U. S. Army M. Dep., 1946, **5:** 178–81.—**Reconditioning** (The) program. Ibid., 1943, No. 71, 27–30.—**Shaeffer, J. R.** Reconditioning program, surgical and orthopedic service, Hammond General Hospital. Recondit. Conf. (9. Serv. Com.) 1944, 52–4.—**Thorndike, A.** Planning the program for reconditioning. Ibid., 7–10.—**Zeifert, M.** Neuropsychiatric reconditioning. Ibid., 47–9.

RECONDITIONING center.

EUCOM Medical Reconditioning Center. Med. Bull. Europ. Command, 1949, **6:** No. 9, 6–12.

RECONNAISSANCE.

See also **Armored Cavalry; Intelligence,** Combat intelligence; **Radar observer.**

Peeters, H. *Militair-hygienische verkenningsproblemen (hoofdzakelijk aan de hand van ervaringen opgedaan bij eene verkenning ten dienste van de in Zuid-Limburg gehouden manoeuvres in 1928) v. p. 8° Utrecht, 1929.
Boldyrev, T. Medicinskaja razvedka; sanitarno-epidemiologićeskaja razvedka. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 940–5, pl. ——— **Krichevsky, J., & Shemiakin, A.** Medicinskaja razvedka. Ibid., 938–46, pl.—**Meringer, J.** Truppenärztlicher Dienst bei einem Aufklärungsregiment. Deut. Militärarzt, 1940, **5:** 281.—**Petrov, A.** Razvedka. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1010–2.—**Shemiakin, A.** Medicinskaia służba; sanitarno-khimićeskaja razvedka. Ibid., **3:** 945.—**Trifonov, P. I.** [Hearing capacity during night reconnoitering in the service of the border regiments] Vest. otorinolar., 1939, No. 4, 76–81.

RECONSTRUCTION.

See **Reconditioning; Surgical technic,** reconstructive; also **War reconstruction.**

RECORD.

See also **Dispensary; File system; Health card; Injury** subheadings (Certificate; Record) **Instrument; Records administration; Statistics.**
Burmistrov, M. Prokhoždenie služby (voennoj) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 932.—**Childs, H. G.,** jr. Company administration and personnel records. In: Med. Cadet Corps Train. Man. (Courville, C. B. &c.) 2. ed., Glendale, 1943, 111–20.—**Compiling** war records. Pennsylvania M. J., 1942–43, **46:** 843.—**Simon, G. B., & Berwick, L.** Considerations for the establishment and use of machine records systems.

Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 18, 57–72. ——— Dissemination of data. Ibid., 265–72. ——— Analysis of data. Ibid., 273–306, 3 ch.—**Williams, G. D.** The use of vital records in military service, the Army. Am. J. Pub. Health, 1943, **33**: 235–8.

—— medical.

See also **Casualty, Reporting; Fitness; Morbidity; Report; Statistics.**

United States. War Department. Army regulations No. 40–1070; Medical Department: Clinical records and indexes. 4p. 8°. Wash., 1924.

—— Medical field manual FM 8–45: Records of morbidity and mortality. 168p. 18½cm. Wash., 1940.

Ambrogi. Intérêt de la tenue d'un registre médical d'incorporation auxiliaire. Bull. Soc. méd. mil. fr., 1938, **32**: 446–8. ——— Nécessité de la tenue d'un fichier dans certains corps de troupe. Ibid., 449.—**Anderson, B. M.** Field medical records; front line to base hospital. Mil. Surgeon, 1940, **86**: 376.—**Army** medical records. Brit. M. J., 1918, **1**: 209.—**Arnold, W. C.** The soldier's documents; their value to the soldier. Canad. M. Ass. J., 1940, **43**: 210–2.—**Ashhurst, A. P. C.** The method of recording surgical operations at the front. M. & S. Rep. Episc. Hosp., Phila., 1920, **5**: 79–90.—**Avdeev, M.** Dokumentacija sudebno-medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 559–62.—**Benjaminson, E.** Dokumentacija sanitarno-epidemiologićeskaja. Ibid., 550.—**Cairns, H.** Clinical records in surgery. J. R. Army M. Corps, 1949, **93**: 218; passim.—**Committee** on the medical records of the Federal Government in the war. J. Am. M. Ass., 1944, **124**: 1067.—**Comyn, K.** The medical history of each soldier. J. R. Army M. Corps, 1942, **78**: 71. ——— Statistical side of military medical service. Ibid., 66–8. ——— The safeguarding of the state and the individual. Ibid., 72–6.—**Conway, W. E.** Medical records in the Army. Ibid., 1949, **93**: 217; passim.—**Fondaminsky, F. I.** Medicinskaja dokumentacija v vojskovom rajone. Voen. san. delo, 1940, No. 6, 15–24.—**Friend, D. G., & Reid, H. S.** A system of records for the hospital clearing station. Mil. Surgeon, 1941, **88**: 163–9.—**Gordon, J. E.** Medical records for epidemiologic use. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 1, 7.—**Guerrier, O. C. P. P.** Quelques remarques sur les fiches médicales utilisées aux armées; leur but, leur utilité et leur importance. Rev. Serv. san. mil., Par., 1940, **112**: 83–92.—**Hamilton, E. L.** The future of medical records in Army hospitals. J. Am. Ass. M. Rec. Librarians, 1948, **19**: 5–8.—**Hyde, F. S.** U. S. soldiers and Women's Army Corps learn why and how of medical records. Hosp. Management, 1943, **56**: No. 3, 82–6.—**Kaminsky, L.** Otćetnost medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 255–60.—**Love, A. G.** The importance of adequate records of the sick and wounded in the military services in time of war, and the best methods for obtaining them. Mil. Surgeon, 1939, **85**: 461–81.—**McGill, D. P.** Preparation and submission of medical records and reports. Med. Bull. Europ. Command, 1949, **6**: No. 4, 51–4.—**Medical** machine records. In: Prev. Med. in World War II, Wash., 1948, **3**: 33–9.—**Medical** records. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 1, 50.—**Pasqualini, R. Q., & Lascalea, M. C.** Normas para la ejecución de historias clínicas. Rev. san. mil., B. Air., 1945, **44**: 834–51.—**Rakhmanov, A.** Svidetelstvo o bolezni. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 4–7.—**Roulin.** Le fichier-statistique des infirmiers régimentaires. Bull. Soc. méd. mil. fr., 1947, **41**: 182.—**Satre, A., & Pallut, S.** Nécessité de l'adjonction au livret militaire d'une fiche médicale individuelle. J. méd. Paris, 1918, **37**: 47–50.—**Sheen, A. W.** The case recording of wounds in war. Clin. J., Lond., 1916, **45**: 109–11. Also J. R. Army M. Corps, 1916, **26**: 396–401.—**Voitenko, M.** Dokumentacija operativno-štabnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 551–5.—**White, N. W.** A method for recording flight surgeons' data. Flight Surgeon Topics, 1939, **3**: 106, tab. ——— Suggested changes in the preparation and distribution of medical records. Mil. Surgeon, 1940, **87**: 133–6.—**Zertuche, A.** La ficha médica individual. Mem. Convenc. méd. mil. mex., 1936, 189.

—— medical: Maintenance.

See also **Records administration.**

India. Army. Medical Directorate. Hospital record card (A. F. I. 1220) p.3. 25cm. Delhi, 1945.

Forms No. 259, Admin. Instr. M. Dir. Army India.

United States. War Department. Army regulations No. 40–1075, Medical Department: Index to regulations regarding records of sick and wounded. 8p. 8°. Wash., 1925.

Disposition of dental records. Bull. U. S. Army M. Dep., 1946, **6**: 368.—**Hepple, R. A.** A card index system for office records in general hospitals. J. R. Army M. Corps, 1941, **76**: 43–5.—**Krichevsky, J., & Fedotov, I.** Medicinskaja kartoćka peredovogo rajona. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 931–3, pl.—**Mazur, M. M.** O sisteme medicinskogo ućeta i otćetnosti. Voen. med. J., Moskva, 1945, No. 10, 28–30.—**Santo Cardoso, E.** Instruções reguladoras dos documentos sanitários de origem. Rev. med. mil., Rio, 1934, **23**: 267–79.—**Smyth, E. A.** A suggested simplification of in-patient clinical records. J. R. Army M. Corps, 1948, **90**: 90.—**Ustinova, K.** Medicinskaja knižka. In: Encikl. slovar voen. 1946–48, **3**: 933–6.—**Wangeman, C. P.** An experiment in the recording of surgical and anesthetic data in military service; the adaptation of Hollerith punch cards, used at 2nd Army maneuvers, 1940. Anesthesiology, 1941, **2**: 179–85.

—— medical: U. S. Navy.

Banker, M. A. Card indexing of health records. U. S. Nav. M. Bull., 1919, **13**: Suppl., 80–2.—**Bindler, S.** Card index file of inoculations due. Hosp. Corps Q., 1944, **17**: 54.—**Cancelmo, J. J.** Clinical chart made by a rubber stamp. U. S. Nav. M. Bull., 1919, **13**: 287–9.—**Clinical** records of patients transferred to Naval convalescent hospitals. Hosp. Corps Q., 1943, **16**: No. 3, 274.—**Eaton, W. E.** The new Hospital Corps forms. U. S. Nav. M. Bull., 1916, **10**: 300–4.—**Edrington, H. G., Kieley, J. M., & Rowland, R.** Omitting rules lined on medical history sheet. Hosp. Corps Q., 1943, **16**: No. 3, 131.—**Gallenstein, L. J., & Dorsey, E. G.** Health records, a priority assignment. Ibid., No. 4, 67–9.—**Health** records [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 237–58.—**Henry, H. B.** A card index of specific cases. U. S. Nav. M. Bull., 1915, **9**: 113.—**James, R. W.** Typewriting of medical history in health records. Ibid., 1921, n. ser., **5**: Suppl., No. 4, 45–7.—**Mink, O. J., & McCormack, J. A.** A move to standardize the quarterly marks of the Hospital Corps, United States Navy. Ibid., **21**: 35–41.—**Potts, W. T., & Woelkerding, H. A.** Immunization record card. Hosp. Corps Q., 1945, **18**: 62.—**Procedure** for the preparation and submission of medical records and reports of Army patients in oversea Navy medical units and Navy patients in oversea Army medical units [form letter] Bumed News Lett., Wash., 1944, **3**: No. 8, 27–9.—**Rueber, E. C.** Common errors found in health records. Hosp. Corps Q., 1944, **17**: 79.—**Stephenson, C. S., & Churchill, C. W.** The use of vital records in military service, the Navy. Am. J. Pub. Health, 1943, **33**: 231–4.—**Sticker** (A) for loose leaves in health records. U. S. Nav. M. Bull., 1919, **13**: Suppl., 80.—**Stiller, J.** Record control of mass admissions of patients. Hosp. Corps Q., 1944, **17**: No. 3, 40–2.—**Ware, R. L.** The future of hospital records in the Navy. J. Am. Ass. M. Rec. Librarians, 1948, **19**: 9.—**Yanchul, S.** Care of health records. Hosp. Corps Q., 1947, **20**: No. 3, 17–9.

—— medical: Veterans.

United States. Veterans Administration. Technical bulletin TB 10A–52: Establishment of weekly history meetings. 2p. 27cm. Wash., 1947.

—— TB 10A–86: Instructions for the preparation of VA Form 10–2614a, Clinical record, brief. 5p. 27cm. Wash., 1947.

—— TB 10A–87: Instructions for the preparation of VA Form 10–2593A, Record of Domiciliary Care. 4p. 27cm. Wash., 1947.

—— TB 10A–99: A guide to be used in the preparation of Final Summary, History (parts 1 and 2) and Physical Examination forms of the Clinical Records Series. 15p. 27cm. Wash., 1947.

—— TB 10A–159: Loan of VA hospital clinical records [1] l. 27cm. Wash., 1948.

—— TB 10A–172: Inspection of clinical and medical files by accredited representatives (interpretation of R&P R–525 (B) (4) 2p. 27cm. Wash., 1949.

—— TB 10A177: Release of copy of VA Form 10–2614, Clinical Record—Final Summary, to personal physicians of veterans. 2p. 27cm. Wash., 1949.

—— TB 10A–204: Use of standard forms for medical records. 3p. 26½cm. Wash., 1949.

Densen, P. M. The future of medical records in Veterans hospitals. J. Am. Ass. M. Rec. Librarians, 1948, **19**: 11–3.

RECORD book.

See **Civilian defense,** Centers.

RECORDS administration.

See also **File system; Record, medical:** Maintenance.

SIMON, G. B., & BERWICK, L. Collection and maintenance of records. p.329–79. 8°. Wash., 1947.

Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 18.

Emch, A. F. Medical records administration in the Navy. Bull. Am. Ass. M. Rec. Librarians, 1943–44, **15**: 6–10.—**Leahy, E. J.** Records administration and the war. Mil. Affairs, 1942, **6**: 97–108.—**Messmore, I. L.** Description of modern Army medical records, their uses and how they are kept. Hospitals, 1943, **17**: No. 8, 26–8.—**Salter, W. S., & Thompson, J. E.** Medical records section. Hosp. Corps Q., 1945, **18**: No. 12, 31–3.—**Wilson, J. L.** Advantages and disadvantages of the unit record system for the Marine hospitals. Mil. Surgeon, 1948, **102**: 208–10.

RECOVERY room.

See with **Operating room.**

RECREATIONAL service.

See also **Hospital service,** recreational; **Occupational therapy; Prisoner of war,** Recreation.

Adams, G. J. Dollars for morale. Red Cross Courier, 1941–42, **21**: No. 2, 5.—**Barrett, J. W.** Recreation in wartime. Med. J. Australia, 1942, **2**: 389.—**Bettica, R.** Les lectures des mobilisés et la littérature italienne. Presse méd., 1940, **48**: 565.—**Commission** on Training Camp Activities, War Department. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 581–4.—**Dunn, B. S.** Recreation as a moral force in Army life. Am. Med., 1919, n. ser., **14**: 418–20.—**Jayne, I. W.** Community war time recreation needs. Am. Phys. Educ. Rev., 1918, **23**: 479.—**Lindeman, E. C.** Recreation and morale. Am. J. Sociol., 1941–42, **47**: 394–405.—**Maruya, S., Isikawa, T., & Suzuki, Y.** Senzi-ka kokumin no seikatu kankyō ni kansuru tyōsa; dai ni hō, seikatu zikan ni kansuru tyōsa seiseki [Surveys on the life-environment of the Japanese people during war time; (2) report, results of surveys of their leisure time (activities)] Kōsei kagaku, 1942, **3**: 602.—**New** Jersey takes steps to insure the welfare of Army recruits. J. Social Hyg., 1941, **27**: 16–21.—**Per** ardua ad astra. Med. J. Australia, 1942, **2**: 301.—**Reading** matter for troops in Iceland. Vet. Rec., Lond., 1941, **53**: 641.—**Recreational** centers for soldiers. J. Am. M. Ass., 1941, **116**: 2601.

RECREATIONAL therapy.

See also **Recreational service.**

GREAT BRITAIN. ADMIRALTY. Handbook of physical and recreational training for the use of the Royal Navy, 1940. v.2: Recreational training. 182p. 24cm. Lond., 1940.

GREAT BRITAIN. WAR OFFICE. Physical and recreational training, 1941. 142p. 18cm. Lond., 1941.

Barnes, J. H. Red Cross recreation in military hospitals. Crippled Child., 1943–44, **21**: 2–4.—**Leslie, F. E.** Recreational therapy for the mentally ill. Med. Bull. Veterans Admin., 1932, **8**: 233–6.—**Michaels, J. J., & Thornton, M. K.** Recreation work as a therapeutic adjunct on a neuropsychiatric service in an Army general hospital. Psychiat. Q. Suppl., 1946, **20**: 253–60.

RECRUIT.

See also **Draft; Recruiting; Recruiting board; Selective Service; Service; Soldier;** also **Mobilization.**

Fröshaug, H. The young patriots. Acta psychiat. neur., Kbh., 1947, Suppl., 47, 556–67.—**Illingworth, F.** The recruit. J. Chart. Soc. Massage, Lond., 1939–40, **25**: 272.—**Stout, T. D. M.** The recruit; his selection and training. N. Zealand M. J., 1949, **48**: 556–65.—**Van Rampaey.** Celui-ci voudrait être dans une arme portée, il a des digestions laborieuses que le fatiguent (Caricature) In: Mémento thér., Par., 1946, 63.

—— Age.

Age and physical examination. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 202–11.—**Bernard, L.** L'incorporation des jeunes recrues. Rev. hyg., Par., 1921, **43**: 58.—**Classification** of recruits in 40–50 age-group. Lancet, Lond., 1942, **1**: 244.—**Extension** of the age for military service and conscription of women. J. Am. M. Ass., 1942, **118**: 660.—**Heatly-Spencer, J., & Biggam, A. G.** The examination of elderly men for fitness for an active physical life. J. R. Army M. Corps, 1936, **66**: 361–6.—**Lemoine, G. H.** Appel du contingent; âge des recrues; date d'appel; mesures hygiéniques à prendre sélection du contingent. Rev. hyg., Par., 1921, **43**: 59–73.—**Lowered** (The) draft age. Mil. Surgeon, 1942, **91**: 701.—**National** service; earlier enrolment of youths [Gt. Britain] Brit. M. J., 1942, **2**: 741.—**Nilsson, E.** [To what extent would it be advisable to reduce the conscription age with reference to individual physical development?] Tskr. mil. hälsov., 1914, **39**: 1–22.

—— Health and disease.

See also **Defect; Dental health,** Defects; **Dermatosis,** Disability; **Fitness; Manpower,** National public health aspect; **Naga sore; Rejection; Tuberculous,** Recruits; **Unfit; Venereal disease,** Recruits; also **Psychiatry,** Experiences.

Bailey, W. H. Infection among selectees. J. Oklahoma M. Ass., 1941, **34**: 481.—**Blotner, H.** Studies in glycosuria and diabetes mellitus in selectees. J. Am. M. Ass., 1946, **131**: 1109–14.—**Fox, F. G.** Eye, ear, nose and throat defects in relation to recruiting. Dis. Eye &c. Throat, 1942, **2**: 176–81.—**Galdi, F.** Da una revisione di riformati; appunti clinici. Fol. med., Nap., 1919, **5**: 728; passim.—**Giauque, C. D.** More draft revelations. J. Phys. Educ., 1941–42, **39**: 47.—**Health** problems in national defense. Week. Bull. Oregon Bd Health, 1941, **19**: No. 50, 1–4.—**Health** of trainees better than in 1917. J. Am. M. Ass., 1941, **116**: 1780.—**Health** of young men under Selective Service. Ibid., 54.—**Hershey, L. B.** Selective Service and its relation to nutrition. Proc. U. S. Nat. Nutr. Conf., 1941, 63–7.—**Hullsiek, R. B.** Physical defects of selectees. Minnesota M., 1941, **24**: 1052–4.—**Kagan, S. E.** [Deviations in physical development and correction in youths of the draft age] Hig. & zdorov., 1942, **7**: No. 8, 41–3.—**Katz, Kaplan & Diatchenko.** [Diseases of the upper respiratory tract and aural apparatus among recruits] Voen. san. delo, 1929, 86–9.—**Kearns, J. J.** Some pathological specimens from a group of supposedly robust young men. Proc. Inst. M. Chicago, 1944–45, **15**: 107.—**Klebe, H.** Der gute Soldat und seine Sippe (erbbiologische Untersuchungen an 100 Angehörigen der Kriegsmarine) Veröff. Marine San., 1936, H. 28, 41–71.—**Mace, H. F.** Physical condition of soldiers at induction; what the schools might do to overcome defects shown. J. School Health, 1944, **14**: 213–7.—**McKinlay, C. A.** Physical defects of selectees. Minnesota M., 1942, **25**: 54.—**Muñoz, I.** Higiene militar; resumen de clases del curso B de preparación. Rev. san. mil., B. Air., 1946, **45**: 610–9.—**Neuschutz, L. M.** Unfit for Army duty. Volta Rev., 1942, **44**: 29–31.—**P., H. C.** Youth physically under par. Am. J. Orthodont., 1941, **27**: 658–60.—**Parran, T.** Health deficiencies of selectees. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 17, 6701.—**Physical** defects of drafted men. J. Am. M. Ass., 1941, **116**: 1775.—**Rogers, J. F.** F. F. F. F., 2000 A. D. Yale J. Biol., 1946–47, **19**: 613–8.—**Rottersman, W.** The selectee and his complaints. Am. J. Psychiat., 1946–47, **103**: 79–86.—**Rowntree, L. G.** Is your son fit for service? Hygeia, Chic., 1942, **20**: 38.—**Simko, M. V.** Physical defects of early registrants. J. Nat. Ass. Chiropod., 1943, **33**: No. 8, 16.—**Source** of selectee ills. Med. Times, N. Y., 1941, **69**: 285.—**Val Vilares, A. do.** Os exames previos de saúde em medicina militar. Hora med., Rio, 1944, No. 74, 9–15.—**Voûte.** Rekrutierung und Lungenerkrankungen. Vjschr. schweiz. Sanitätsoff., 1924, **1**: 52.—**Wile, I. S.** Public health and the draftees. Med. Rec., N. Y., 1942, **155**: 335–9.—**Wolberg, A.** Niezwykle rzadki przypadek wady rozwojowej, stwierdzony u poborowego podczas komisji poborowej w pow. Włoszczowa. Lek. wojsk., 1927, **10**: 379.

—— Malingering.

See **Malingering.**

—— Medical aspect.

See also **Dental examination; Induction station; Medical examination; Reception station.**

Geigel. Der Kanon des jungen Soldaten. Münch. med. Wschr., 1919, **66**: 1491–3.—**Müller, H.** Welche Aufgaben bringt die Einstellung der Rekruten dem Truppenarzt? Med. Welt, 1937, **11**: 1551–4. ——— Die ärztliche Betreuung der Rekruten. Deut. Aerztebl., 1938, **68**: 43.

—— Mental and nervous defective.

See also **Criminal, Mental deficiency; Neurotic; Psychopath.**

Greene, R. A., & Raymond, C. S. Feebleminded and defective delinquents of draft age. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 195–203.—**Jackson, M. M.** Subnormal intelligence in the maladjusted naval trainee; problems in recognizing low intelligence. U. S. Nav. M. Bull., 1947, **47**: 279–86. ——— Subnormal intelligence in the maladjusted naval trainee. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 29–32.—**Menninger, W. C.** The lowest eight per cent. In his Psychiat. in a Troubled World, N. Y., 1948, 202–9.—**Mental** and nervous disabilities of selectees. Bull. Chicago M. Soc., 1940–41, **43**: 669.—**Otness, H. R.** The mental defective and the under-age man in the Navy. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 26–8.—

Weaver, T. R. The incident of maladjustment among mental defectives in military environment. Am. J. Ment. Defic., 1946–47, **51**: 238–46.

—— National Guard.

See under **National Guard.**

—— naval.

See also other subheadings.

Baganz, C. N., Mearin, R. J., & Woods, W. A. Mental mechanisms and morale factors of naval recruits in training. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 67.—**Carpenter, D. N.** Feeding and housing recruits, Newport, R. I. U. S. Nav. M. Bull., 1917, **11**: 421.—**McDaniel, F. L.** Selection and placement of the Naval recruit. Mil. Surgeon, 1948, **102**: 114–6.

—— Rehabilitation.

See under **Dental care**; also under **Rehabilitation.**

—— Requirements.

See **Medical examination,** Physical standards.

—— Selection.

See also **Electroencephalography**; **Selection board**; **Selective Service.**

Certuche, A. Nuevo sistema de reclutamiento en relación con la función social y educativa del Ejército. Mem. Convenc. méd. mil. mex., 1936, 86–90.—**Freeman, R. G.** Constitutional factors in the selection of recruits. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 13–7.—**Rees, J. R.** Selection methods in the British Army as social medicine. Acta med. leg. social., Brux., 1948, **1**: 196–213.—**Sampaio, M.** Seleção dos recrutas. Rev. med. cir. Brasil, 1942, **50**: 399–405.

RECRUITING.

See also **Recruit**; also **Aviator,** Physical examination; **Hospital staff,** Recruiting.

Circular relating to the enlistment of men for the United States Naval Service. 15p. 8° Wash., 1904.

Müller, H. Musterung, Aushebung, Einstellung; ein Wegweiser für die Tätigkeit beim Ersatzgeschäft. 145p. 8° Berl., 1936.

Ausländisches (Ein) Rekrutierungssystem. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 151–76.—**Brookes, E. A.** Recruiting for the Navy. J. Missouri M. Ass., 1918, **15**: 148.—**Edgar, W. H.** On recruiting. J. R. Nav. M. Serv., 1931, **17**: 263–7.—**Extrait** de la loi relative au recrutement de l'Armée du 31 mars 1928. J. sc. méd. Lille, 1928, **46**: pt 1, 358–61.—**Grimbly, A. F.** On real economy in recruiting. J. R. Nav. M. Serv., 1921, **7**: 135–8.—**Jacobs, J., & Horner, W. D.** Recruiting observations. California J. M., 1917, **15**: 391.—**Schwiening.** Militärersatzwesen (Rekrutierung) In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 481–97.—**Sembower, J. F.** Indiana colleges rationalize recruiting. Occupations, 1941–42, **20**: 113–5.

—— Medical aspects.

See also **Medical examination.**

Bartelheimer, H. Aus den Erfahrungen über militärärztliche Auslese. Med. Klin., Berl., 1941, **37**: 358–60.—**Carbery, A. D.** Some medical aspects of recruiting for war. Med. J. Australia, 1927, **2**: Suppl., 365–70.—**Harkness, C. A.** Experiences in the mustering office. Clinique, Chic., 1919, **40**: 209–12.—**Howe, O. H.** Lessons from the selective military draft. Boston M. & S. J., 1920, **183**: 589–96.—**Roberts, W. E.** The medical aspect of naval recruiting. Med. J. Australia, 1944, **2**: 8–10.—**Selección** de las tropas; turismo; parque; recreos y colonias; colonización y migraciónes. In: Plan analít. salud púb. (Argentina Secr. salud púb.) B. Air., 1947, **3**: 1478–80.—**Trombetta, E.** Ancora sul reclutamento di guerra. Gior. med. mil., 1917, **65**: 796–802.—**Wilde, A. G.** A few recruiting difficulties. Mil. Surgeon, 1930–31, **67**: 435–40.

RECRUITING board.

See also **Selection board.**

Andrews, C. F. More about drafts and defense boards. Nebraska M. J., 1940, **25**: 424.—**Barber, J. R.** The work of the draft boards. Colorado M., 1918, **15**: 267–71.—**Fetterman, J. L.** A day at the induction board. Bull. Acad. M. Cleveland, 1942, **27**: No. 9, 5.—**Mabbott, J. M.** Comment on exemption boards. N. York M. J., 1917, **106**: 318–21.—**Porter, W. C.** Experiences of the Canadian-American Military Board. Army M. Bull., 1942, No. 64, 117–9.—**Recruiting** boards; sulfanilamide; studies of world areas. J. Am. M. Ass., 1942, **119**: 1029.—**Work** of the induction boards. Ibid., 1940, **115**: 1370.

—— Medical members.

See also **Medical examination**; **Psychiatrist,** Duties.

India. Army. Medical Directorate. Medical boards. p.l. 25cm. Delhi, 1945.

Forms No. 290, Admin. Instr. M. Dir. Army India.

Appointments; physicians and dentists. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 262–70.—**Axtell, J. T.** District board work from a doctor's standpoint. J. Kansas M. Soc., 1919, **19**: 103–7.—**Brooks, C. G., Bruening, E. H.** [et al.] Dentists assigned to local draft boards. J. Am. Dent. Ass., 1941, **28**: 813.—**Brown, C. P.** Co-operation between the soliciting agent and the local medical examiner. Med. Insur., 1917–18, **27**: 505–8.—**Charge** of assisting men to evade military service [England] Brit. M. J., 1944, **1**: Suppl., 44.—**Cooper, E. L.** The place of the medical man in the preparation of an army for war. Med. J. Australia, 1939, **2**: 893–9.—**Costill, H. B.** Observations of the work of the physicians in the selective draft of the State of New Jersey. J. M. Soc. N. Jersey, 1920, **17**: 5–9.—**District** medical advisory boards for Georgia's selective service administration. J. M. Ass. Georgia, 1940, **29**: 555.—**Dowd, C. M.** Medical advisory boards. N. York M. J., 1918, **108**: 703.—**Draft** board physicians. J. Maine M. Ass., 1940, **31**: 309.—**Dunham, E. S.** Experience and impressions of a rural examining physician. Kentucky M. J., 1942, **40**: 181–3.—**Efficiency** of medical boards. Lancet, Lond., 1942, **1**: 245.—**Examining** physicians on local boards. Virginia M. Month., 1941, **68**: 228; 414.—**Gallwey, J.** The work of the Medical Advisory Board for District Exemption Board, Division One, Northern California. California J. M. 1918, **16**: 118–25.—**Knight, S. H.** A sketch of the work of the medical advisory board. Grace Hosp. Bull., Detr., 1918–19, **3**: 1–11.—**Lipscomb, W. N.** Experiences of a state medical officer. Kentucky M. J., 1942, **40**: 180.—**Mayo, W. J.** Medical advisory boards. Minnesota M., 1918, **1**: 66.—**Medical** advisory boards. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 258–61.—**Medical** Advisory Council to Selective Service. Med. Ann. District of Columbia, 1941, **10**: 147.—**Medical** personnel for the operation of the Selective Service. Connecticut M. J., 1940, **4**: 679.—**Medical** preparedness. Rhode Island M. J., 1940, **23**: 200. Also Week. Roster, Phila., 1940–41, **36**: 739–41.—**Medical** preparedness news. Med. Ann. District of Columbia, 1940, **9**: 359; 1941, **10**: 194.—**Meeting** of Selective Service physicians. Connecticut M. J., 1942, **6**: 48.—**Millet, J. A. P.** The place of the medical practitioner in the Selective Service System. N. York State J. M., 1945, **45**: 528–32.—**Moren, J. J.** Eighteen months experience on the induction board. Kentucky M. J., 1944, **42**: 200–5.—**O'Sheel, P.** Ohio pays draft examiners. Med. Econom., 1941–42, **19**: 45.—**Physician** denied appeal in draft bribery. J. Am. M. Ass., 1942, **119**: 659.—**Pierce, A. H.** Plan for assisting examining physicians on medical induction boards in Pennsylvania. Ment. Health Bull., Danville, 1943–44, **21**: No. 4, 3–8.—**Psychiatry** and the draft board physician. Psychiat. Q., 1942, **16**: 193.—**Robie, T.** The draft board physician's responsibility in national defense. J. M. Soc. N. Jersey, 1941, **38**: 398–400.—**Sexton, L.** Exemption boards and the medical men in making and keeping up an army. Charlotte M. J., 1918, **78**: 59–61.—**Spafford, F. A.** Selective draft regulations and Medical Advisory Boards. J. Lancet. 1918, **38**: 599–601.—**Toll, J. L.** The relationship between the local board examining physician and the registrant with reference to the initial examination. Kentucky M. J., 1943, **41**: 154.—**Vacation** over for draft board examining physicians; stepped-up program needs help of local doctors to make screening examination of registrants. Ohio M. J., 1942, **38**: 158.

RECRUITING statistics.

See also **Rejection,** Statistics.

Bowerbank, F. T. The physical efficiency of recruits for the New Zealand permanent forces. Med. J. Australia, 1938, **1**: 841–6.—**Cseh, P.** Beszámoló az idei fősorozások tapasztalatairól. Honvédorvos, 1950, **2**: 677–81.—**Datos** sobre la aptitud física en el servicio militar, por el Dr. Fr. Messerli de Lausania. Siglo méd., 1916, **63**: 231–4.—**Fierro del Río, L.** Examen médico a los conscriptos de la clase 1926 en la Quinta Delegación del Distrito Federal. Sugestiones, Méx., 1943–45, **9**: No. 115, 100–11.—**Handloser, S.** Musterung und Volksgesundheit. Wien. klin. Wschr., 1939, **52**: 606–9.—**Kanitu, M.** Geneki tuwamono syokugyō to taikaku [Physique and occupations of soldiers in active service] Gun idan zassi, 1927, 709–20.—**Koning, J. W.** Enkele statistische gegevens omtrent den uitslag van het geneeskundig onderzoek van de ingeschrevenen voor de militie bij den eersten keuringsraad in Overijssel in 1914. Mil. geneesk. tschr., 1917, **21**: 251–60.—**Kurihara, H.** Statistical investigations of the physique of the applicants for recruits for Manchoukuo Army; observations on the physique of the applicants in Chinchow province. J. Orient. M., Dairen, 1938, **28**: 87.—**Montagné.** Rapport sur le recrutement dans la province de Maevatanana (Madagascar) Ann. méd. pharm. col. Par., 1926, **24**: 556–62.—**Second** Australian Imperial force and its recruits. Med. J. Australia, 1940, **1**: 487.—**Stamenković, K. T.** [Author's observations on defective vision and eye diseases at the Tuzla Military District during the recruiting in 1938] Voj. san. glasnik, 1940, **11**: 393–8.—**Waga, F.** [Statis-

tics on the state of health of conscripts] Lek. wojsk., 1934, **23**: 407; 541.

—— Argentina.

Andrada, E. M., & Peñalva Torino, T. D. de. El resultado de los reconocimientos médicos de las clases 1917 y 1918 en la 5. división; clasificación de las causas físicas de las excepciones y su distribución. Rev. san. mil., B. Air., 1939, **38**: 602–24.—**Torrent, J. F.** Informe sobre el reconocimiento de conscriptos del Distrito Militar No. 35. Ibid., 1919, **18**: 176–86.

—— Austria.

Stracker, O. Der Körperzustand einiger Altersklassen der Wiener Bevö kerung im Spiegel einer militärischen Musterung. Wien. klin. Wschr., 1939, **52**: 889–92.

—— Brazil.

Castro Carvalho, A. de. Reflexões sôbre inspeções de saúda de sorteados. Rev. med. mil., Rio, 1934, **23**: 186–9.—**Fadigas de Souza Junior, J., Cobas Costa, L., & Carvalho Melo, J. de.** A margem de seleção de saúde para a F. E. B. na 6.ª região militar. Ibid., 1946, **35**: 3–32.—**Ponce, G. de O.** Inquérito sôbre o regime alimentar e estado de nutrição dos convocados na fase anterior à sua apresentação ao Exército. Ibid., 1948, **37**: 443–54. ——— **& Moura, J. M.** Estatística das inspeções de convocados correspondentes à 2. época de 1946 e realizadas no 1. trimestre de 1947. Ibid., 19–44.

—— Canada.

KARK, R. M., HUNTER, M. E. F. [et al.] A nutritional survey and environmental study of newly enlisted draftees; a preliminary report of the biochemical aspects of the study. 3p. 28cm. Ottawa, 1944.

Forms No. C–6069, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Gerin-Lajoie, L. La santé de notre jeunesse est-elle ce qu'elle devrait être? Union méd. Canada, 1941, **70**: 524.

—— Czechoslovakia.

Tomšík, L. O výsledcích a významu všeobecného roentgenování nováčku v roce 1935. Voj. zdrav. listy, 1936, **12**: 188–204. ——— Výsledky systematické skiaskopie nováčku v roce 1936. Ibid., 1937, **13**: 312–7.

—— Denmark.

Frederiksen, E. [Physical state of recruits] Militaerlaegen, 1935, **41**: 58–83.—**Knudsen, K. A.** [Physical state of young recruits] Ibid., 52–7.—**Rørdam, H.** [Physical condition of youths subject to conscription] Ibid., 1934, **40**: 220–35.

—— France.

DUMAS, P. P. *La classe 1917 à la caserne Bernadotte à Pau. 58p. 8° Bord., 1916.

Candiotti & Niviere. Les opérations d'incorporation au Ve dépôt des équipages de la flotte (1925–27) Arch. méd. pharm. nav., 1929, **119**: 5–43.—**Huot.** Valeur physique du recrutement indigène dans les colonies du Gabon, du Moyen-Congo, de l'Oubangui-Chari et dans les territoires du Tchad. Ann. méd. pharm. col., Par., 1922, **20**: 361–85.—**Millet, A. H.** L'incorporation du contingent français en 1921. Arch. méd. pharm. mil., 1922, **77**: 307–15.—**Moreau Defarges.** Examen, classement, entraînement, des jeunes soldats de la classe 1917. J. méd. chir., Par., 1916, **87**: 242–9.

—— Germany.

WACHHOLDER, R. *Die Ergebnisse der Untersuchungen von SA-Mannschaften der Standarte 83. 22p. 8° Marb., 1935.

Erste Ergebnisse bei den deutschen Musterungen für den Heeresdienst. Schweiz. med. Wschr., 1936, **66**: 788.—**Fürst, T.** Vergleiche militärärztlicher Musterungsergebnisse des Jahres 1935 mit der Vorkriegszeit in einigen oberbayerischen Musterungsbezirken. Münch. med. Wschr., 1936, **83**: 398–400.—**Hieber.** Winke für die Ausbildung der Rekruten in der Gasabwehr. Gasschutz, 1937, **7**: 293–5. ——— Rekrutenbesichtigung auch im Gasabwehrdienst? Ibid., 1938, **8**: 47–9.—**Müller, H.** Musterung und Statistik. Allg. statist. Arch., 1936, **26**: 1–12. ——— Die Ergebnisse der Musterung im Sommer 1935. Deut. Aerztebl., 1936, **66**: 367–9. ——— Die Ergebnisse der Musterung im Jahre 1936. Ibid., 1937, **67**: 74–6. ——— Die Musterung der Wehrmacht, ein Einblick in die Volksgesundheit. Oeff. Gesundhdienst., 1936–37, **2**: A, 409–30.—**Warning, H.** Ueber den Gesundheitszustand von 885 Mitgliedern des deutschen Jungvolkes in der Hitlerjugend. Deut. Militärarzt, 1940, **5**: 348 (Abstr.)

—— Great Britain.

Beggs, S. T. An investigation to determine certain characteristics in the physical equivalents of Lancashire recruits. J. R. Army M. Corps, 1912, **19**: 214–9.—**Comrie, J. D.** An analysis of physical defects among the general male population, based upon 10,000 recruit examinations. Lancet, Lond., 1919, **2**: 957–60.—**Drinkwater, H.** Functional heart disease and recruiting. Brit. M. J., 1918, **1**: 494.—**Facts** revealed by the physical examination of men of military age. Med. Off., Lond., 1920, **23**: Suppl., 105.—**Find** a high rate of physical fitness among British men called to service. Diplomate, 1942, **14**: 63.—**Fitness** of men examined for the Armed Forces. J. Am. M. Ass., 1941, **117**: 2266.—**Health** grades of recruits. Brit. M. J., 1940, **1**: 513.—**Kenny, E. B.** Statistical reports of the health of the Navy, with special reference to the examination of recruits. J. R. Nav. M. Serv., 1930, **16**: 89–101.—**Turner, G. G.** Cardiac trauma in recruits. Med. Press & Circ., Lond., 1942, **208**: 196–200. Also Mod. Treat. Yearb., Lond., 1943, **9**: 238–46.—**Unfit** Army recruits in 1922. Lancet, Lond., 1923, **1**: 571.

—— Italy.

Baldovino, C. Osservando e meditando (note sugli inscritti di leva della classe 1905) Ann. med. nav., Roma, 1925, **1**: 257–67.—**Carvaglio, E.** La deficienza di statura, nei limiti stabiliti dagli articoli 75 e 79 del testo unico delle leggi sul reclutamento del Regio Esercito. In his Med. leg. mil., 2. ed., Milano, 1942, **2**: 8–12. ——— L'obesità, di grado elevato soprattutto se è associata a bassa statura; quando produca gravi disturbi circolatori e respiratori e sia accompagnata da notevole prevalenza del perimetro addominale sul perimetro toracico. Ibid., 27–43.—**Fongoli, L.** Note statistiche sulla revisione dei riformati e rivedibili delle classi 1874–99 al Consiglio di leva di Foggia (25 settembre–11 diciembre 1917) Gior. med. mil., 1919, **67**: 1115–25.—**Galeazzi, L.** Le riforme militari delle reclute provenienti da zone industriali in confronto di quelle provenienti da zone agricole e montane, 1900–30. Med. lavoro, 1938, **29**: 79–85.

—— Norway.

BRYN, H., & SCHREINER, K. E. Die Somatologie der Norweger nach Untersuchungen an Rekruten. 608p. 27cm. Oslo, 1929.

Forms No. 1, Skr. Norske vidensk. akad. Oslo, mat. natur. kl., 1929.

NORWAY. STATISTISKE SENTRALBYRÅ. Rekruttering for haeren. Oslo (1922–37) 1926–39.

Title varies: Rekruttering for den Norske haer, 1922–29
Forms Nos of Norges off. statist.

Daae, H. [Military-medical contribution to Norwegian anthropology] Norsk tskr. mil. med., 1922, **26**: 151; 1923, **27**: Bilag.—**Holst, H. B.** Rekrutteringsstatistikken 1927. Ibid., 1932, **36**: 65–70.

—— Peru.

FERNÁNDEZ DAVILA, G. Selección médica de los contingentes (resultado del reconocimiento de conscriptos de los años 1911, 1912 y 1913) 127p. 24cm. Lima, 1913.

Pérez Araníbar, E. Resultados obtenidos en le último examen de contingentes. Rev. san. mil., Lima, 1948–49, 21–22: 63–9.

—— Russia.

GORSKI, P. A. *K kharakteristike fizićeskago razvitija naselenija Bobrujskago uezda Minskoj gubernii; po dannym prizyvnykh spiskov voinskago prisutstvija za 1874–99 gg. 145p. 8° S. Peterb., 1910.

Aminev, A. [Results with the new health enquête for recruits] Voen. san. delo, 1936, No. 8, 37–41.—**Berezovskaja, B.** [Diseases of Odessa district, city and rural, population of conscription age, according to recruiting data for 1926] Profil. med., Kharkov, 1927, **6**: No. 11, 30–41.—**Lieberman, L. B.** [Material for evaluation of the physical condition and general qualifications of recruits of the regiments of the G. P. U. in 1929] Voen. med. J., Moskva, 1931, **2**: 162–9.—**Osipov, V. P.** O primenenii statej 1–9, raspisanija o godnosti k voennoj službe. Nevropat. psikhiat., 1946, **15**: 7–14.—**Romanov, K. I.** Physical development and state of health of recruits, according to the data of the Irkutsk Military Commission for the years 1932–36 inclusive] Med. biul., Irkutsk, 1939, 106–27.—**U. S. S. R.** Army recruits. Army M. Bull., 1937, No. 38, 107–10.—**Wolfkovich, M. I., Feldman, S. P.** [et al.] [State of the ears and upper respiratory tract among the recruits in Moscow, deferred due to oto-rhino-laryngological diseases in 1940] J. ushn. nosov. gorlov. bolez., 1941, **18**: 211–9.—**Zaicev, V. M.** [Physical development of the recruits of Izhevsk] Hig. & san., Moskva, 1944, **9**: No. 7, 29–33.

—— Switzerland.

Alder, A. Ziffer 49 susp. Vjschr. schweiz. Sanitätsoff., 1925, **2**: 42–5.—**Karrer, J. P.** Ergebnisse der sanitarischen Untersuchungen bei der Rekrutenaushebung im Kanton

Graubünden 1930–45. Praxis, Bern, 1947, **36:** 407–9.—**Vollenweider, P.** Sanitarische Rekrutierungs- und Armeesanitätsstatistik. Schweiz. med. Wschr., 1941, **71:** 1392.

—— United States.

See also **Rejection.**

HAWKES, E. W. How Texas stood in the First Draft; an analysis of the physical condition of our young men. 62p. 22½cm. Austin, 1920.
Forms No. 1913, Univ. Texas Bull.

UNITED STATES. SELECTIVE SERVICE SYSTEM. Medical statistics bulletin No. 1: Analysis of reports of physical examination. 31p. 26½cm. Wash., 1941.

—— Statistics; periodic reports of physical examination. 25 vol. 4° Wash., 1946.

—— Special monograph, No. 15: Physical examination of Selective Service registrants. 3v. 23cm. Wash., 1948.

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. MEDICAL STATISTICS DIVISION. STATISTICAL ANALYSIS BRANCH. Report No. 16–ID: Induction data: Results of examination of selectees April, May and June, 1943. 31p. 27cm. Wash., 1943.

Analysis of results of physical examination. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 149–83.—**Armstrong, P. G.** Study of 18,738 selected men from Cook County medically examined at Chicago Induction Station from Nov. 1940 to April, 1941, incl. Bull. M. Soc., 1940–41, **43:** 703.—**Atkinson, W. B.** Findings in the examination of Kentucky selectees. Bull. Dep. Health Kentucky, 1943–44, **16:** 259–61.—**Brewer, I. W.** The physical condition of American men of military age. N. York M. J., 1918, **107:** 216.—**Britten, R. H., & Perrott, G. S.** Summary of physical findings on men drafted in the World War. Pub. Health Rep., Wash., 1941, **56:** 41–62.—**Classification** of various defects found at Army induction stations of registrants from local boards in Georgia, Dec. 1940–Dec. 1941. Bull. Fulton Co. M. Soc., 1943, **17:** No. 18, opp. p. 8, ch.—**Clopper, E. N.** The draft as a test of the nation's physical stamina. Med. Critic, 1918, **21:** 183.—**Davenport, C. B., & Love, A. G.** Defects found in drafted men. Sc. Month., 1920, **10:** 125–41.—**Davenport, G. C.** Defects found in drafted men. Good Health, 1920, **55:** 283–90.—**Davis, W. T., & Meisenbach, A. E.,** jr. Ophthalmologic findings on draftees from the Washington, D. C., military area; preliminary report. Am. J. Ophth., 1942, **25:** 181–3.—**Downing, A. H.** Ocular defects in 60,000 selectees. Arch. Ophth., Chic., 1945, **33:** 137–43.—**Drysdale, H. H.** Medical Selective Service; brief analysis of the first 1000 selectees re-checked by the Cleveland induction board. Bull. Acad. M. Cleveland, 1941, **26:** No. 3, 8.—**DSS** Form 220, list of defects, January 1, 1942. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 249–57.—**DSS** Form 220, list of defects (revision as of August 15, 1942) Ibid., 258–65.—**DSS** Form 220, list of defects (revision as of January 16, 1943) Ibid., 266–74.—**DSS** Form 220, list of defects (revision as of March 9, 1945) Ibid., 275–82.—**Edgren, H. D.** The Selective Service examination tells us. J. Phys. Educ., 1941–42, **39:** 96.—**Edwards, T. I., & Hellman, L. P.** Methods used in processing data from the physical examination reports of the Selective Service System. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 285–98.—**Estimated** number of men 18–37 years of age on August 1, 1945 who had been physically examined for induction or enlistment and number accepted and rejected, by state [tab.] Ibid., **3:** 360.—**Fitness** for military service in the United States. Nature, Lond., 1942, **149:** 388.—**General** service acceptance rates by age group and race, Continental United States (tab.) In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **3:** 22–6.—**General** service acceptance rates in relation to changes in age groups subject to induction, by race and region, November 1940–December 1943; continental United States (tab.) Ibid., 20.—**General** service rejection rates on preinduction examination by state, race, and examination status, August 1944–August 1945; September 1945–March 1946 [tab.] Ibid., 362; 364.—**Glover, L. P., & Brewer, W. R.** An ophthalmologic review of more than 20,000 men at the Altoona induction center. Am. J. Ophth., 1944, **27:** 346–8.—**Graham, J. C.** Draft board examinations in 1917–18 and in 1940–41. Kentucky M. J., 1942, **40:** 183–9.—**Greene, E. H.** The physical condition of Georgia's manpower as revealed by Selective Service. J. M. Ass. Georgia, 1942, **31:** 151–6.—**Hammond, F. C.** A resume of certificates issued by physicians in connection with the selective service. N. York M. J., 1918, **107:** 311.—**Harrell, C. L.** Selective Service as applied to the city of Norfolk. Virginia M. Month., 1942, **69:** 146–50.—**Health** aspects of the draft. Statist. Bull. Metrop. Life Insur., 1940, **21:** No. 10, 1–4. Also J. Oklahoma M. Ass., 1941, **34:** 28.—**Herpel, F. K.** Medical examination at an Armed Forces induction station; observations of a medical examining physician. Mil. Surgeon, 1944, **94:** 345–50.—**Hofheimer, J. A.** A resumé of the results obtained by one of the Local Selective Boards. Internat. J. Surg., 1918, **31:** 189–91.—**Holmes, C. D.** Some observations by the Army doctor on the physical and mental defects found in the Selective Service men sent for duty at Fort Knox. Kentucky M. J., 1942, **40:** 176–9.—**Induction** examinations. Bull. U. S. Army M. Dep., 1945, No. 87, 54–60.—**Interesting** health facts revealed in Selective Service statistics; status of students, interns and residents discussed; more Ohio physicians ordered to duty. Ohio M. J., 1941, **37:** 368–70.—**Karpinos, B. D.** Induction experience of 1945. Bull. U. S. Army M. Dep., 1946, **6:** 263–75.—**Koontz, A. R.** Our selectees are healthier. Hygeia, Chic., 1941, **19:** 954; 1007.—**Lew, E. A.** Interpreting the statistics of medical examinations of selectees. J. Am. Statist. Ass., 1944, **39:** 345–56.—**List** of Congressional hearings containing physical examination data on Selective Service registrants. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 312.—**McGlannan, A., Requardt, W. W., & Hutchins, E. H.** Some notes from the examination of five thousand selective service registrants. South M. J., 1919, **12:** 97–102.—**McMaster, P. E.** Orthopedic conditions requiring medical survey among Marine recruits. U. S. Nav. M. Bull., 1943, **41:** 1041–3.—**Map** of the United States showing the four geographical regions used in Selective Service medical data. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **3:** 1.—**Maynard, E. P.,** jr. Examination of draftees at the Brooklyn Hospital. Brooklyn Hosp. J., 1941, **3:** 177–80.—**Medical** findings of induction boards in New York City. J. Am. M. Ass., 1941, **117:** 459.—**Medical** statistics program. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 147.—**Men** of military age. Statist. Bull. Metrop. Life Insur., 1941, **22:** No. 2, 1–3.—**Mental** and physical qualifications of recruits; statistics for the quarter ending Mar. 31, 1940. U. S. Nav. M. Bull., 1940, **38:** 605–7.—**Month** of examination of Selective Service registrants, by race and result of examination; continental United States (tab.) In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **3:** 3–7.—**Month** of examination of Selective Service registrants inducted or rejected, by race, January 1944–December 1944; continental United States (tab.) Ibid., 8.—**Moore, R. C.** Ocular pathology in the Selective Service examinations. Philadelphia M., 1941–42, **37:** 1603–5.—**Morris, S. J.** Otolaryngology in the United States; examination of recruits. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11:** pt 2, 742.—**Murdock, W. G., Van Sickle, F. L.** [et al.] Physical findings of Pennsylvania men in the draft. N. York M. J., 1919, **110:** 1093.—**Myll, N., & Schwartz, J. W.** Mental and physical disabilities in recruits; causes for discharge during a three-year period at Fort Slocum, N. Y. Mil. Surgeon, 1932, **71:** 144–51.—**National** war services; table of statistics relative to the medical examination of recruits. Canad. M. Ass. J., 1941, **44:** 525.—**New York** induction boards pass 76 percent for military service. J. Am. M. Ass., 1941, **116:** 1228.—**Number** of Selective Service registrants in the Research sample study, by race, age group, and result of examination, in selected time periods, November 1940–December 1943; continental United States (tab.) [Also Reg. I, II, III, IV] In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **3:** 10; 12; 14; 16; 18.—**Peasley, E. D.** The physical status of the Selective Service draftees. North Carolina M. J., 1941, **2:** 472–6.—**Percentage** of Selective Service registrants in the Research sample study, by race, age group, and result of examination, in selected time periods, November 1940–December 1943; continental United States (tab.) [Also Reg. I, II, III, IV] In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **3:** 11; 13; 15; 17; 19.—**Percent** distribution of principal causes for rejection of registrants not previously examined, January 1945–August 1945; September 1945–March 1946 [tab.] Ibid., 372; 374.—**Percent** distribution of principal defects within broad defect groups, among registrants acceptable for limited service, by race and age group, November 1940–December 1943, continental United States [tab.] Ibid., 58–61.—**Percent** distribution of principal defects within broad defect groups, among registrants disqualified for military service, by race and age group, November 1940–December 1943, continental United States [tab.] Ibid., 62–5.—**Percent** distribution of principal defects of registrants who were reexamined by race and result of examination, April 1942–September 1943, continental United States [tab.] Ibid., 66.—**Perrott, G. S.** Findings of Selective Service examinations. Milbank Mem. Fund Q., 1944, **22:** 358–66. Also Proc. Annual Conf. Milbank Mem. Fund (1944) 1945, 22. Conf., 22–30.—**Physical** defects among drafted men in World war. J. Am. M. Ass., 1941, **116:** 316.—**Physical** defects in selectees. Week. Bull. California Dep. Pub. Health, 1942–43, 69–71.—**Physical** fitness of American youth. Nat. Negro Health News, 1941, **9:** 31–3.—**Physical** fitness of draftees. Statist. Bull. Metrop. Life Insur., 1940, **21:** No. 11, 1. Also Med. Soc. Rep., Scranton, 1941, **35:** No. 5, 19.—**Results** of induction board examinations during the 6-month period March 1, 1941, to August 31, 1941. Army M. Bull., 1942, No. 61, 78–81.—**Results** of induction station examinations. Bull. U. S. Army M. Dep., 1944, No. 78, 27.—**Results** of physical examination, 1917–18. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 51–71.—**Reynolds, H. B.** The Army medical examinations of the first draft. California J. M., 1918, **16:** 70.—**Rowntree, L. G.** The health of the nation as revealed by Selective Service. Med. Ann. District of Columbia, 1941, **10:** 425–8. ——— The health needs of the nation as reflected by Selective Service. J. Michigan M. Soc., 1944, **43:** 769–77. ——— Rheu-

matic heart disease and the physical fitness of the nation as seen by Selective Service. J. Pediat., S. Louis, 1945, **26:** 220–9.
——— **McGill, K. H., & Folk, O. H.** Health of Selective Service registrants. Diplomate, 1942, **14:** 169–75. Also J. Am. M. Ass., 1942, **118:** 1223–7.—**Selection** of samples for research data. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 303.—**Sibley, E.** Statistics in Selective Service. Vital Statist. Spec. Rep. U. S. 1940–41, **12:** 353–5.—**Sources** of medical data in 1945 and 1946. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1:** 305.—**Tracy, E. T.** Selective Service points up health problems. Connecticut Health Bull., 1947, **61:** 31–3.—**Williams, G. D.** U. S. Army Induction Board experience November 1940–September 1942. Army M. Bull., 1943, No. 65, 105–35.—**Wisconsin** inductees; mentally and physically fit. Milwaukee M. Times, 1943, **16:** No. 5, 15–7.

—— United States: Navy.

Ammerman, C. C. Record of the Navy Recruiting Station, Pittsburgh, Pa. U. S. Nav. M. Bull., 1919, **13:** 171.—**Physical** characteristics of recruits. Statist. Navy M., 1949, **5:** No. 5, 6–10.—**Statistics;** mental and physical qualifications of recruits [Navy] Statistics for quarter ending June 30. U. S. Nav. M. Bull., 1941, **39:** 161.—**Templeton, H. D.** A thousand applicants. Ibid., 1936, **34:** 22–7.

RECTUM.

See also **Hemorrhoid; Proctology.**

Cook, A. H. Rectal examinations. Mil. Surgeon, 1940, **86:** 240.—**Velasco Sanfuentes, A.** Recto-sigmoidoscopia. Rev. san. mil. (Chile) 1936, **4:** 209–16.

—— Disease, and tumor.

Albuquerque, E. T. de. Retite infiltrante e estenosante Arq. brasil. med. nav., 1945, **6:** 933–42.—**Alford, J. E.** Observation of anorectal disease and pilonidal cysts in an Army hospital. N. York State J. M., 1944, **44:** 1997–2000.—**Berlatcky, G. B.** [Fascial plastic surgery in prolapsus ani et recti] Voen. med. J., Petrogr., 1915, **244:** Med. spec. pt, 518–46.—**Canto, N.** Cancer del recto operado con supervivencia de cuatro años y medio. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 844–8.—**Cornet.** Adenocarcinome du rectum. Arch. Serv. san. Armée belge, 1946, **99:** 94.—**Johnson, P. E.** Cancer of the rectum. Med. Bull. Veterans Admin., 1938–39, **15:** 218–23.—**Jones, H. W.** Adenocarcinoma of the rectum; case report. Mil. Surgeon, 1931, **69:** 51–3.—**McLaughlin, E. F.** Complete rectal prolapse; report of case. Bull. U. S. Army M. Dep., 1947, **7:** 152–5.—**Mel-Ogly, B. M.** [Causes and therapy of prolapse of rectum] Voen. med. J., Moskva, 1931, **2:** 483–91.—**Milligan, E. T. C.** The treatment of haemorrhoids in recruits. Med. Press & Circ., Lond., 1943, **210:** 84.—**Peña y de la Peña, E.** Abscesos anorrectales. Bol. san. mil., Méx., 1949, **2:** 411–7.—**Penn, W. F.** Stricture of the rectum. U. S. Veterans Bur. M. Bull., 1931, **7:** 373–8.—**Shucksmith, H. S.** Common anorectal conditions in the Army. J. R. Army M. Corps, 1943, **81:** 269–77.—**Stamatiu, C.** Tratamentul prolapsului rectal total al adultului, prin procedeul Delorme-Juvara modificat. Rev. san. mil., Bucur., 1937, **36:** 421–32, illust.—**Stephens, H. E. R.** An interesting case of carcinoma of the rectum. J. R. Nav. M. Serv., 1935, **21:** 50.—**Wright, F. S., & Hall, M. W.** Myoma malignum of the rectum; a case report. Mil. Surgeon, 1932, **71:** 527–31.—**Yamamoto, N.** Heisotu ni hassei-seru tyōkutyō-gan no iti rei ni tuite [A case of cancer of the rectum in a private soldier] Gun idan zassi, 1928, No. 182, 977–80.

—— Injury.

See also **Gastrointestinal tract,** Injury; **Injury**—by organs: Buttocks; **Intestine,** Injury.

Bronstein, B. L. K voprosu ob ognestrelnykh ranenijakh vne briušinnogo otrezka prjamoj kiški. Vest. khir., 1946, **66:** No. 4, 88.—**Croce, E. J., Johnson, V. S., & Wiper, T. B.** The management of war injuries of the extraperitoneal rectum. Ann. Surg., 1945, **122:** 408–31.—**Feder, I. A.** Wounds of the buttocks and rectum, with special emphasis on proctoscopy. Mil. Surgeon, 1950, **106:** 125–30.—**Georgijevszkaja, V. S.** A végbél lövési sérülései. Honvédorvos, 1950, **2:** 303 (Abstr.)—**Gomziakov, G. A.** Ognestrelnye ranenija prjamoj kiški. Vest. khir., 1946, **66:** No. 4, 88–91.—**Gordon-Watson, C.** Wounds of the rectum and buttocks. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 231–7; Also 2. ed., Balt., 1942, **1:** 426–32. ——— **& Morgan, C. N.** Wounds of the rectum and buttocks. Ibid., 3. ed., Edinb., 1944, 911–20.—**Greco, A.** Sul trattamento di alcune ferite isolate del retto extraperitoneale in guerra. Gior. med. mil., 1948, **95:** 46–53.—**Hartzell, J. B.** Restoration of the rectum. U. S. Nav. M. Bull., 1944, **42:** 1151–5.—**Kleitsch, W. P.** Foreign bodies in the rectum; a case report. Mil. Surgeon, 1949, **105:** 215–7.—**McCune, W. S.** War wounds of the rectum and anal sphincter. Surgery, 1948, **23:** 653–64.—**Mummery, J. P. L.** Injuries of the rectum resulting from the war. Proc. R. Soc. M., Lond., 1915–16, **9:** Surg. Sect., Subsect. Proctol., 26–8.—**Sarlin, E.** Les plaies de guerre du rectum. France méd., 1949, **12:** No. 7, 3–8.—**Steele-Perkins, D. D.** Foreign body in the rectum. J. R. Nav. M. Serv., 1949, **35:** 40.—**Terrell, R. V.** Penetrating shrapnel wound of the rectum; case report. Tr. Am. Proct. Soc., 1944, **44:** 261–4. Also Clinics, Phila., 1944–45, **3:** 1062–5.

RECTUS muscle (of abdomen)

Bisset, R. D. N. Traumatic rupture of the left rectus abdominis. J. R. Nav. M. Serv., 1946, **32:** 47.—**Bowers, W. F., & Richard, N. F.** Rectus muscle strain simulating acute appendicitis. Mil. Surgeon, 1943, **92:** 645–8.—**Fruin, R. L., & McLaughlin, C. W.** Rectus muscle strains simulating acute intraperitoneal disease; 51 cases at a Naval training station. U. S. Nav. M. Bull., 1944, **42:** 172–7.—**Pugh, H. L., & Robnett, A. H.** Sarcoma of rectus muscle; surgical management; report of a case. Ibid., 1945, **45:** 729–32, 4 pl.

RED cell.

See **Blood Transfusion,** Material: Red cells; **Erythrocyte.**

RED Cross.

See also **Ambulance service,** Red Cross; also subsequent headings.

O'Connor, B. [The Red Cross] under which all men may serve. [20]p. 19cm. Wash., 1946.

Boner, A. J. Major Boner reports on the respect shown Red Cross installations. Wisconsin M. J., 1944, **43:** 1159.—**Grant, D. N. W.** A tribute to the Red Cross. Mil. Surgeon, 1944, **94:** 243–6.—**Gumpert, M.** Red Cross in war and peace. Ciba Symposia, 1942–43, **4:** 1390–2.—**Huber, M.** La Croix-Rouge et la prévention de la guerre. Rev. internat. Croix Rouge, 1940, **22:** 284–301.—**Lukashevich, D., & Finkler, J.** Krasnyj Krest i Krasnyj Polumesjac. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 87–95.—**Red** (The) Cross. Mil. Surgeon, 1917, **41:** 721–5.—**Salute** to the Red Cross. Ibid., 1943, **92:** 74.

—— Budget, and financing.

American National Red Cross. Fund requirements, war fund campaign, March 1945; financial report for the war period January 1, 1942, to February 28, 1945. 18p. 23cm. Wash., 1945.

——— ARC circular 1139: Fund requirements; the American National Red Cross Fund campaign, March 1946; financial report for the war period January 1, 1942, to June 30, 1946. 15p. 23cm. Wash., 1946.

—— Congresses, conventions, and conferences.

See also **Geneva Convention; Humanitarianism; International Law.**

France. Croix Rouge Française. Rapport présenté au nom de la Société française de secours aux blessés militaires des armées de terre et de mer. Question. 3 nos. 4° S. Peterb., 1902.

C. rend. Conf. internat. Soc. Croix Rouge, 1902, 7. Conf.

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No. 2. Les Sociétes de secours aux blessés peuvent-elles et doivent-elles se charger des soins à donner aux prissoniers de guerre dans les termes du reglement de La Haye. p.46–8.

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[International] Conférence internationale pour étudier les moyens de pourvoir à l'insuffisance du service sanitaire dans les armées en campagne [3. Conf., 1929] [Articles] 22p.; 29p. 24½cm. Cairo, 1933.

League of Red Cross Societies. Convention de Genève pour l'amélioration du sort des blessés et des malades dans les armées en campagne du 27 juillet 1929. 56p. 21cm. Genève, 1931.

Spain. Cruz Roja Española. Convenios internacionales para mejorar la suerte de los heridos y enfermos en campaña y trato de los prisioneros de guerra. 96p. 12° Madr., 1931.

United States. Navy. Bureau of Medicine and Surgery. NAVMED 903: Manual on the Geneva Convention and Naval Medical

Liaison with the American Red Cross. 38p. 23cm. Wash., 1945.

Voncken, J. La révision des grandes conventions humanitaires (2e étude) 15p. 8°. Liége, 1938.

—— Réalisation des zones sanitaires. 7p. 24cm. Liége, 1939.

Boeri, G. Vantaggi igienici delle controsanzioni. Morgagni, 1935, **77**: 1267–9.—**Campos-Hugueney.** Estudio crítico de un proyecto de revisión de la Convención de Ginebra. Med. mil. españ., 1904–05, **11**: 170; 217.—**Cannes**; scene of the I. Conference of the League of Red Cross Societies, April, 1919. J. R. Army M. Corps, 1944, **83**: 143.—**Cawadias, A. P.** The Red Cross. Lancet, Lond., 1943, **1**: 664.—**Colemberg, E. v.** Rotes Kreuz und Luftschutz; zum 70. Jahrestage der Genfer Konvention. Gasschutz, 1934, **4**: 231–3.—**Convenio** para mejorar la suerte de los heridos y enfermos de los ejércitos en campaña de 6 de Julio de 1906. Rev. san. mil., Madr., 1906, **20**: 391–9.—**Convention** de Genève pour l'amélioration du sort des blessés et des malades dans les armées en campagne du 27 juillet 1929. Rev. internat. Croix Rouge, 1929, **11**: 551–62.—**Des Cilleuls, J.** Au sujet des Conventions de Genève et la nécessité de leur vulgarisation. Bull. Soc. méd. mil. fr., 1947, **41**: 226–9. —— Coup d'oeil sur la Convention de Genève du 12 août 1949 relative à la protection des personnes civiles en temps de guerre. Paris méd., 1949, **39**: 487–9.—**Des Gouttes, P.** Contribution à la révision de la Convention de Genève, du 27 juillet 1929, pour l'amélioration du sort des blessés et des malades dans les armées en campagne. Rev. internat. Croix Rouge, 1942, **24**: 588–615.—**Dunant, H.** La charité sur les champs de bataille; insuffisance du personnel médical des armées; Comité international de Genève; comités nationaux de secours; neutralisation des blessés sanctionnée par le traité de Genève. Année sc. indust., Par. (1865) 1866, **10**: 303–20.—**Fawcus, H.** The fifteenth International Red Cross Conference at Tokyo, October 20–29, 1934. J. R. Army M. Corps, 1935, **64**: 145–52.—**Fonck.** Neue völkerrechtliche Abkommen über Verwundeten- und Kriegsgefangenenbehandlung. Mil. Wbl., Berl., 1933–34, **118**: 1472–4.—**Geneva** Convention for the amelioration of the condition of the wounded and sick in Armed Forces in the field, of August 12, 1949. Rev. internat. Croix Rouge, Suppl., 1949, **2**: 299–326.—**Geneva** Convention for the amelioration of the condition of wounded, sick and shipwrecked members of Armed Forces at sea, of August 12, 1949. Ibid., 327–49.—**Geneva** (The) Convention and modern warfare. J. R. Army M. Corps, 1937, **68**: 160–3.—**Geneva** and Hague Conventions and American National Red Cross. In: Manual M. Dep. U. S. Navy, Wash., 1942, App. C, 1–22.—**Johnson, L. W.** Revision of the Hague Convention. U. S. Nav. M. Bull., 1939, **37**: 399–415.—**Mustardé, J. C.** The practice of the Geneva Convention in time of war. Surgo, Glasg., 1944–45, **11**: 24–7.—**Palasciano.** De la neutralisation des blessés en temps de guerre et de ses conséquences thérapeutiques. Presse méd. belge, 1863–64, **16**: 389–92.—**Réunion** de Sociétés de la Croix-Rouge de pays non-belligérants. Rev. internat. Croix Rouge, 1940, **22**: 424.—**Schickelé, M. J. A.** La Convention de Genève et la guerre moderne. Bull. Soc. méd. mil. fr., 1927, **21**: 56–68. —— La Convention de Genève et la guerre moderne. Off. internat. docum. méd. mil., 1936, 6. sess., 49–77. Also Rev. Serv. san. mil., Par., 1936, **104**: 991–1031. Also Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 49–77. Also Bull. internat. Serv. santé, Liège, 1937, **10**: 5–30.—**Sick** and wounded in warfare; new International Convention. Brit. M. J., 1931, **1**: 597.—**Some** aspects of the Hague Convention. Kansas City M. J., 1940, **16**: No. 4, 18.—**Stahl, O.** Fünfundsiebzig Jahre Genfer Konvention, 22. 8. 1864 bis 22. 8. 1939. Deut. Militärarzt, 1939, **4**: 393–7.—**Toubert.** Au sujet d'une future révision éventuelle de la Convention de Genève. Bull. Soc. méd. mil. fr., 1947, **41**: 230–8.—**Union** internationale le secours; réunion tenue à Genève de 10 octobre 1939. Rev. internat. Croix Rouge, 1940, **22**: 116–23.

—— History.

See also names of wars and campaigns.

American National Red Cross. ARC [circular] 541: Red Cross service record; accomplishments of seven years, July 1, 1939–June 30, 1946. 105p. 27cm. Wash., 1946.

American National Red Cross. War Council. The work in Europe of the American Red Cross. 68p. 22½cm. Wash., 1917.

—— The work of the American Red Cross during the war; a statement of finances and accomplishments for the period July 1, 1917, to February 28, 1919. 90p. 23cm. Wash., 1919.

Bicknell, E. P. With the Red Cross in Europe, 1917–22. 506p. 23cm. Wash., 1938.

Boardman, M. T. Under the Red Cross flag at home and abroad. 333p. 8° Phila., 1915.

Foucault, A. Croix-Rouge Française; la Société de Secours aux Blessés Militaires, 1864–1934. 235p. 20cm. Par., 1936.

France. Croix Rouge Française. La Société de secours aux blessés militaires des armées de terre et de mer en Chine 1900–01. 136p. 8° Par., 1901.

Germany. Deutsches Rotes Kreuz. Rapport sur l'activité de la Société Allemande pendant les guerres greco-turque et sud-africaine et pendant expédition en Chine. p.59–67. 4° S. Peterb., 1902.

C. rend. Conf. internat. Soc. Croix Rouge, 1902, 7. Conf.

Great Britain. Reports by the Joint War Committee and the Joint War Finance Committee of the British Red Cross Society and the Order of St. John in England on Voluntary aid rendered to the sick and wounded at home and abroad and to British prisoners of war, 1914–19, with appendices. 823p. fol. Lond., 1921.

Hunt, E. T. E. The Red Cross on the front line in the great battle of 1918. 16p. 21cm. Par., 1918.

Korson, G. G. At his side; the story of the American Red Cross overseas in World war II. 322p. 21cm. N. Y., 1945.

Unwin, S. The work of V. A. D., London 1, during the war. 96p. 8° Lond., 1920.

Duprat, J. Sous le drapeau de la Croix-Rouge au cours des deux guerres franco-allemande (1870, 1914–18) Rev. internat. Croix Rouge, 1932, **14**: 743–65.—**First** (The) picture of first-aid men with the Red Cross on their arm bands; this imaginative drawing appeared in L'Illustration, Paris, December 12, 1863, and shows Swiss volunteers caring for wounded soldiers [Illust.] Ciba Symposia, 1942–43, **4**: 1381.—**Fulton, J. F.** Origins of the Red Cross and the neutrality of wartime medical services. Connecticut M. J., 1943, **7**: 253–9.—**Gilčenko, N. V.** Vystavka Krasnago Kresta v Berline [1–16 okt., 1898 g.] Voen. med. J., S. Peterb., 1899, **194**: Med. spec. pt, 249–87.—**West, R. M.** The Red Cross, and the World War. In her Hist. Nurs. Pennsylvania, 1939, 30–2.—**Young, A.** The story of the St. John Ambulance Brigade and The British Red Cross Society. J. R. Nav. M. Serv., 1948, **34**: 86–91.

—— International relations.

Red Cross. International Red Cross Committee. Rapport du Comité internationale de Genève; du secours international en temps de guerre. p.52–6. 4° S. Peterb., 1902.

C. rend. Conf. internat. Soc. Croix Rouge, 1902, 7. Conf.

Comité international de la Croix-Rouge et la guerre. Rev. internat. Croix Rouge, 1940, **22**: 7; passim; 1941, **23**: 1; passim.—**Des Cilleuls, J.** L'oeuvre du Comité international de la Croix-Rouge au cours de la seconde Guerre mondiale, 1939–46. Bull. Soc. méd. mil. fr., 1948, **42**: 170–5.—**G., P. D.** Le comité international de la Croix-Rouge et la guerre. Rev. internat. Croix Rouge, 1942, **24**: 151–7.—**Huber, M.** Principes d'action et fondements de l'oeuvre du Comité international de la Croix-Rouge, 1939–46. Ibid., 1947, **29**: 45–80.—**Mémorandum** du Comité international de la Croix-Rouge sur les activités respectives des Puissances protectrices et du Comité international de la Croix-Rouge, du 15 novembre 1939. Ibid., 1940, **22**: 237–45.—**Missions** du Comité international de la Croix-Rouge; mission du Dr. Junod à Paris, 10 au 24 août 1940. Ibid., 802–4.—**Missions** du Comité international de la Croix-Rouge; visites de camps, par des délégués du Comité international de la Croix-Rouge, en pays belligérants et en pays ayant rompu les relations diplomatiques avec certains Etats. Ibid., 1939, **21**: 961–74, 8 pl.—**Noyes, C. D.** League of Red Cross Societies. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 1136.—**Oeuvre** du Comité international de la Croix-Rouge pendant la seconde Guerre mondiale. Rev. internat. Croix Rouge, 1947, **29**: 293; passim.—**Ryan, P. E.** News from the International Red Cross. Red Cross Courier, 1940–41, **20**: No. 4, 21.

—— National aspects.

American National Red Cross. The American Red Cross reports to the people: Since Pearl Harbor. 22p. 16½cm. Wash., 1941.

Canadian Red Cross Society. Canadian Red Cross in war and peace. 30p. 23cm. Toronto, after 1941.

Rossijskoe obščestvo Krasnogo Kresta. Rapport du Comité central russe. 3 nos. 4°. S. Peterb., 1902.

C. rend. Conf. internat. Soc. Croix Rouge, 1902, 7. Conf.

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Satzung der freiwilligen Krieger- Sanitatskolonne vom Roten Kreuz. 15p. 12°. Berl., 1909.

Boland, G. W. Langs den hervormingsweg van ons Roode Kruis. Mil. geneesk. tschr., 1917, **21**: 15–7.—**Des Gouttes, P.** Note sur l'indépendance des sociétés nationales de la Croix-Rouge. Rev. internat. Croix Rouge, 1943, **25**: 521–3.—**Lyautey.** Exposé de l'action hors de France de la Société de secours aux blessés militaires (Croix-Rouge française) Ibid., 1933, **15**: 723–44, 6 pl.—**Maniobras** y revista de la Cruz Roja en Granada; se efectuaron en la tarde del Domingo en los campos de Armilla. Cruz roja, Madr., 1932, **34**: 274.

—— Organization of service.

See also **Blood transfusion service,** Organization.

Bondy, R. E., Ryan, P. E., & Nicholson, J. T. War programs of the American Red Cross. Proc. Nat. Conf. Social Work., 1944, **71**: 170–80.—**Called** to order; call to service. Red Cross Courier, 1940–41, **20**: No. 12, 3.—**Constitution** et situations particulières de sociétés de Croix Rouge en temps de guerre. Rev. internat. Croix Rouge, 1941, **23**: 763–6.—**Davis, N. H., & Huber, M.** Collaboration des sociétés nationales de la Croix-Rouge en cas de conflit armé. Ibid., 1939, **21**: 839–41.—**Junior** (The) Red Cross and the war. Bull. League Red Cross Soc., 1942, **23**: 24–7.—**Kingsbury, S.** Keene's dog sled motor corps. Red Cross Courier, 1941–42, **21**: No. 6, 15.—**Komiyama, T.** Doitu Sekizyūzi Sigan Eisei Dan no sosiki narabi-ni sono un-yō ni tuite [Organization and operation of the German Volunteer Red Cross Sanitation Group] Gun idan zassi, 1927, 171–85.—**Patry, G.** Collaboration des sociétés nationales de la Croix-Rouge avec les pouvoirs publics de leurs pays respectifs, en vue de l'action en temps de guerre. Rev. internat. Croix Rouge, 1938, **20**: 777–801. —— La solidarité des sociétés nationales en cas de conflit. Ibid., 1939, **21**: 658–71, pl.—**Rapport** du Comité international de la Croix-Rouge et de la Ligue des Sociétés de la Croix-Rouge sur les travaux de la Commission réunie à Genève les 17–19 janvier 1939, pour étudier la collaboration des sociétés nationales de la Croix-Rouge en cas de conflit armé. Ibid., 357–91.

—— Periodicals.

Cruz Roja española. Madr., v.**49**, No. 489-91, 1949–

DRK-Arbeitsbrief. Potsdam, v.**3**, 1944–

France Croix-Rouge. Par., n. ser., v.**2–3**, 1947–48.

International health bulletin of the League of Red Cross Societies. Genève, v.**1**, 1949–

League of Red Cross Societies. Boletín de la Liga de sociedades de la Cruz Roja. Genève, v.**25**, No. 10-12, 1944–

Revue internationale de la Croix-Rouge et Bulletin international des Sociétés de la Croix-Rouge. Supplement. Genève, v.**1**, 1948–

Rote (Das) Kreuz. Solothurn, v.**27**, 1919–

Rotkreuz-Freund (Der) Basel, v.**30**, 1946–

Vers la santé. v.**4–9**, 11. 7v. 27cm. Par., 1923–30.

Vie et bonté. Par., n. ser., No. 1, 1948–

Volunteer (The) Wash., v.**2**, 1949–

World-wide. Wash., v.**1**, 1947–

Zvesti Červeného Kríža. Bratisl., v.**5**, 1949–

—— Relations of military.

United States. War Department. Regulations governing the employment of the American Red Cross in time of war. 18p. 19½cm. Wash., 1917. Also Changes 1–2, 1918–19.

Assignment of Red Cross personnel with Medical Department in overseas service. Bumed News Lett., Wash., 1944, **4**: No. 4, 28.—**Boardman, M. T.** Can the Japanese Red Cross help our prisoners? Prison. War Bull., 1944, 2: No. 4, 2.—**Fischer, R. F.** Das Rote Kreuz. In: Sanitätstruppen, Zür., 1942, 68–72, illust.—**Kean, J. R.** The new role of the American Red Cross. Mil. Surgeon, 1916, **38**: 539–44. —— Development of Red Cross Medical Department Units. In: Med. Dep. U. S. Army in the World War, Wash., 1923, 1: 92–105.—**Lynch, C.** What is the most effective organization of the American National Red Cross for war and what should be its relations with the Medical Departments of the Army and Navy. Mil. Surgeon, 1907, **21**: 397–426.—**Myrdacz.** Militärsanität und Rotes Kreuz. Militärarzt, Wien, 1913, **47**: 65–7.—**Raymond, H. I.** The hospital Red Cross unit and the Base Hospital, National Army, from the viewpoint of a medical officer of the regular army. Chicago M. Rec., 1918, **40**: 59–61.—**Red** Cross personnel assigned to Navy, Marine Corps and Coast Guard activities; official status of (Form letter) Bumed News Lett., Wash., 1945, **5**: No. 9, 27–30.—**Rehsteiner, R.** Der Sanitätsoffizier und das Rote Kreuz. Vjschr. schweiz. Sanitätsoff., 1945, **22**: 63–5.—**Romeyn, D.** Gedachten over den Militairen Geneeskundigen Dienst en het Roode Kruis in het algemeen, in tijd van oorlog. Mil. geneesk. tschr., 1917, **21**: 90–105.—**Rucker, W. C.** What is the most effective organization of the American National Red Cross for war and what should be its relation to the medical departments of the Army and Navy. Mil. Surgeon, 1910, **26**: 395–411.

—— Services.

See also **Ambulance service** subheadings (History; Red Cross) also **Prisoner of war,** Red Cross care; **Red Cross hospital; Red Cross nursing.**

Chronique de l'Agence centrale des prisonniers de guerre. Rev. internat. Croix Rouge, 1940, **22**: 21–5, pl.—**Davis, N. H., & Landis, J. M.** Joint statement by Office of Civilian Defense and American Red Cross. J. Am. M. Ass., 1942, **119**: 353.—**Kolesnikov, S. A.** [Red Cross and Red Crescent societies in the present war] Sovet. med., 1942, **6**: No. 10, 23–8.—**McNutt, P. V., & Davis, N. H.** Joint statement of the Office of Defense Health and Welfare Services and the American Red Cross concerning disaster, relief and civilian war aid. Southwest. M., 1942, **26**: 274–6.—**Red** Cross (A) trouble shooter makes the rounds. Red Cross Courier, 1940–41, **20**: No. 8, 16.—**Wilson, J. E.** Life at an Army post in the sage brush. Ibid., 1937, **16**: No. 8, 13.

—— Services: Armed Forces.

See also **Red Cross hospital; Red Cross nursing.**

American National Red Cross. ARC circular 296: Services to the Armed Forces; how the American Red Cross helps to meet the human needs of service men and their families. Rev. ed. 48p. 23cm. Wash., 1942.

—— ARC circular 1214: Home service; services to the Armed Forces and to veterans. Rev. ed. 5p. 23cm. Wash., 1945.

—— The handbook for services to the Armed Forces and services to veterans. Rev. ed. [v. p.] 24cm. Wash., 1945.

Amat, C. L'assistance médicale aux armées; la récente convention de Genève. Bull. gén. thér., Par., 1909, **154**: 526–42.—**Army** (The) and the Red Cross. Japan Times, 1934, Oct., 14–7.—**Assistenza** ai soldati in Germania. Minerva med., Tor., 1941, **32**: varia, pt 1, 432.—**Blake, K.** Red Cross services to the Armed Forces; Cairo. Red Cross Courier, 1943–44, **23**: No. 5, 22–4.—**Buckram, E. C.** War's legacies of our soldiers recorded by Red Cross. Ibid., 1927, **6**: No. 4, 14–6.—**Curb** service for Tunis foxholes. Ibid., 1942–43, **22**: No. 10, 5.—**Davis, N. H.** They are doing a magnificent job. Ibid., 1943-44, **23**: No. 5, 3–6.—**For** the Armed Forces. Ibid., 1941–42, **21**: No. 7, 16.—**Frankel, M.** Education, the soldier, and the home. J. Social Hyg., 1944, **30**: 325–8.—**Hocheisen & Weineck.** Wehrmacht und Rotes Kreuz. Deut. Militärarzt, 1936, **1**: 101–6.—**Kellogg, P. U.** Four months in France; an interpretation of the American Red Cross; the work for soldiers. Survey, N. Y., 1917–18, **39**: 282–6.—**Kelly, L.** Red Cross services to the Armed Forces. Red Cross Courier, 1942–43, **22**: 20; passim.—**Military** and naval welfare. Annual Rep. Am. Nat. Red Cross, 1939–40, 21–9.—**Military** and Naval Welfare Service. Summary Proc. Am. Red Cross, 1941, 128–33.—**Moorad, G. L.** Helping make life easier for allied fighting men. Red Cross Courier, 1942–43, **22**: No. 11, 16.—**Prins, C. J.** Wat kan het Roode Kruis in tijd van vrede voor de militairen doen? Mil. geneesk. tschr., 1912, **16**: 101–8.—**Red** Cross (The) in Alaska and Italy [illustr.] Red Cross Courier, 1943–44, **23**: 16.—**Red** Cross plans to expand aid to Armed Forces. Mil. Surgeon, 1941, **88**: 84.—**Red** Cross services to the Armed Forces. Red Cross Courier, 1941–42, **21**: No. 5, 20; 1942–43,

22: No. 3, 20; 1943–44, 23: No. 3, 22.—**Red** Cross workers get around. Ibid., 1943–44, 23: No. 5, 16.—**Rotkreuz-Schiffahrt** (Die) Praxis, Bern, 1943, 32: 342.—**Services** to the Armed Forces. Annual Rep. Am. Nat. Red Cross, 1940–41, 23. Also Red Cross Courier, 1941–42, 21: No. 7, 20; passim.—**Service** to military and naval forces. Annual Rep. Am. Nat. Red Cross, 1939–40, 25–7.—**Serving** the Armed Forces and veterans. Ibid., 1946–47, 23–56.—**Smith, D. C.** Relationship of Red Cross to the Army; welfare service rendered hospitals and troops in the field. Mil. Surgeon, 1940, 86: 425–34.—**Waters, L. R.** Medical social service in wartime with the Army and Navy. Hospitals, 1943, 17: No. 2, 58–61.

—— Services, hospital.

See also **Red Cross hospital.**

Berman, L. H. Red Cross services in an evacuation hospital. Mil. Surgeon, 1944, 95: 107–10.—**Lober, L. W.** Scope and functions of the Red Cross program in an Army general hospital. Occup. Ther. Rehabil., 1945, 24: 91–4.

—— Services, medical.

Bergs, A. How Latvia trains medical personnel for war or disaster. Month. Bull. League Red Cross Soc., 1936, 17: 195.—**DeKleine, W.** Red Cross participation in medical defense. Week. Roster, Phila., 1940–41, 36: 587; 615.—**Morris, J. N.** Medical aspects of Red Cross in the second World war. Med. J. Australia, 1946, 1: 169–76.—**Robinson, G. C.** Wartime medical activities of the American Red Cross. In: Doctors at War (Fishbein, M.) N. Y., 1945, 337–60, 6 pl.—**Schmidt, B.** Der Rettungsdienst in Japan und das Japanische Rote Kreuz. Deut. Militärarzt, 1939, 4: 397–402.

—— Services: Rehabilitation.

Harper, G. S. What the American Red Cross is doing to aid in French reeducational work. Rev. interall. mutil. guerre, 1918, 1: 45–7.—**Wells, B. A., Counts, G. M.** [et al.] The Red Cross in rehabilitation. U. S. Nav. M. Bull., 1946, Suppl., 332–40.

—— Services: Relief.

See under **Relief.**

—— Services: Social service.

See also **Social service.**

American Red Cross. Canteen service and hospital hut service in France. 2p. 8° Wash., 1918.

Hamid, A. From warfare to welfare; being an exposition of the social services of the Red Cross in commemoration of its 75th birthday. Ind. M. Gaz., 1939, 74: 753–8.—**Marshall, G. C.** Address. Summary Proc. Am. Red Cross, 1941, 90–3.

—— Services: Veterans.

American National Red Cross. ARC circular 1244: When you return. Rev. ed. [8]p. 17cm. Wash., 1945.

—— ARC circular 1270: Services to veterans and their dependents. Rev. Sept. 1946 [8]p. 23cm. Wash., 1946.

Service in veterans hospitals. Annual Rep. Am. Nat. Red Cross, 1946–47, 52–6.

—— Services: Wounded and sick.

Rapisardi-Mirabelli, A. La Croce Rossa; feriti e malati e prigionieri di guerra. 178p. 16½cm. Milano, 1941.

Duprat, J. 70 ans d'activité de la Société française de secours aux blessés militaires. Rev. internat. Croix Rouge, 1936, 18: 623–40.—**Gisel, A.** Unfallhilfsstellen und Krankentransport des Deutschen Roten Kreuzes. Wien. med. Wschr., 1944, 94: 369.—**Laftchieff, S.** L'oeuvre de la Croix-Rouge bulgare pour l'assistance des blessés et des malades pendant les guerres. Rev. internat. Croix Rouge, 1934, 16: 97–119, 2 pl.—**Provisions** of the American Red Cross for the care of casualties caused by enemy action. J. Am. M. Ass., 1942, 119: 715.—**Respect** du blessé et la guerre actuelle, [par] le Comité de La Presse Médicale. Laval méd., 1940, 5: 336.

—— in wartime.

American Red Cross and the European war. Red Cross Courier, 1939–40, 19: No. 4, 3.—**Annual** meeting most vital since days of World War I. Ibid., 1940–41, 20: No. 7, 8; passim.—**Bicknell, E. P.** Beleaguered Belgium. Ibid., 1935, 15: 17–20.—**Burnand, R.** Une lumière sur le monde. Rev. méd. Suisse rom., 1940, 60: 890–4.—**Cremer, J. D., jr.** American Red Cross in the war emergency. Bull. Acad. M. Cleveland, 1940, 25: No. 8, 8.—**Ford, C. S.** Red Cross problems in time of war. N. York M. J., 1915, 101: 1099–107.—**Frost, W. H.** The Red Cross and the War. Am. J. Pub. Health, 1918, 8: 8–10.—**Gibson, H. D.** The Red Cross in war; what America's great volunteer organization is doing here and abroad. Sc. American, N. Y., 1917, 117: 420.—**Gordon, R. F.** A Red Cross observer covers a war game. Red Cross Courier, 1939–40, 19: No. 10, 8–10.—**International** Red Cross and alleged bombing outrages. Brit. M. J., 1936, 1: 921.—**Irvin, W.** Red Cross war work as seen from Geneva. Red Cross Courier, 1939–40, 19: No. 10, 3–5.—**Kellogg, P. U.** Four months in France; an interpretation of the American Red Cross; here to work. Survey, N. Y., 1917–18, 39: 181–5.—**Libby, V. K.** Piece work in war time. Red Cross Courier, 1940–41, 20: No. 12, 9–11.—**Opitz.** Das Rote Kreuz im Kriege. Zschr. Medbeamte, 1915, 28: 253–68.—**Peverelli, P.** [The work of the Red Cross during war] Geneesk. tschr. Ned. Indië, 1935, 75: 718–28.—**Preparedness** in the Pacific. Red Cross Courier, 1941–42, 21: No. 7, 9.—**Prochaska, B.** Das Deutsche Rote Kreuz im gegenwärtigen Kriege. Wien. med. Wschr., 1944, 94: 366–8.—**Red** (The) Cross goes on maneuvers [illust.] Red Cross Courier, 1942–43, 22: No. 12, 16.—**Red** Cross war diary. Ibid., No. 9, 27; No. 11, 27; No. 12, 27.—**Red** (The) Cross in war times. J. Am. Dent. Ass., 1943, 30: 425–7.—**Ressel & Friedmann.** Die Tätigkeit der Eisenbahn-Abteilungen vom Roten Kreuz im Kriege. Zschr. Bahnärzte, 1915, 10: 60–5.—**Ross, M.** The Red Cross at La Courneuve. Survey, N. Y., 1918, 40: 62. —— Reconstruction under fire. Ibid., 127–9.—**Solbrig.** Organisation und Leistungen des Roten Kreuzes im jetzigen Kriege, besonders in Ostpreussen. Deut. med. Wschr., 1915, 41: 440–3.—**St., J.** Aus der jüngsten Tätigkeit einiger ausländischer Rotkreuzgesellschaften. Wien. med. Wschr., 1944, 94: 383.—**Weber-Wenzlitzke, J.** Von der Leidenschaft des Helfens. Ibid., 382.

RED Cross hospital.

See also **Red Cross,** Services: Wounded and sick.

Harvard University. The American Red Cross-Harvard Field Hospital unit. 46p. 23cm. Cambr., 1943.

Italy. Croce Rossa Italiana. Comitato centrale. Composizione ed inventario di uno spedale di guerra da 50 letti, someggiabile, modello 1891, modificato. 44p. 8° Roma, 1897.

Baer, A. Die Kriegerheilstätte Wienerwald des Patriotischen Hilfsvereines vom Roten Kreuze für Niederösterreich bei Pernitz. Wien. klin. Wschr., 1916, 29: 1652–4.—**Ciplijauskas, J.** [Report on the activity of the hospitals of the Red Cross in Klaipedos for the period of 1933–38] Medicina, Kaunas, 1940, 21: 128–37.—**Genham, A. M.** Experiences with a Red Cross hospital in Belgium. Mag. London School M. Women, 1915, 10: 74–9.—**Lewis, R. E.** Desert hospital intangibles. Red Cross Courier, 1942–43, 22: No. 11, 19.—**Red** Cross-Harvard Hospital. Mil. Surgeon, 1941, 88: 330.—**Sand, R.** Les hôpitaux de la Croix-Rouge. Nosokomeion, Stuttg., 1931, 2: 205–12.—**Steiner, J.** The field hospitals of the Austrian Red Cross. Mil. Surgeon, 1909, 24: 130.

RED Cross nursing.

See also **Red Cross,** Services, medical.

Dock, L. L. Affiliation of the American Red Cross with the Nurses' Association. p.67–138. 22½cm. N. Y., 1922.

In her Hist. Am. Red Cross Nurs., N. Y.

—— & Clement, F. F. From rural nursing to the public health nursing service. p.1211–92. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

Dock, L. L., & Pickett, S. E. Mobilization. p.229–309. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

—— [et al.] History of American Red Cross nursing. 1562p. 22½cm. N. Y., 1922.

Eichenberger, E. Als Rotkreuzschwester an der Ostfront; Erlebnisbericht. 234p. 20cm. Zür., 1945.

Fox, E. G. Red Cross Public Health Nursing after the war. p.1293–351. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

Noyes, C. D. Participation in international nursing education. p.1133–210. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

Pickett, S. E. Relation of the Nursing Service to the Army. p.310–86. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

—— Service with the Navy. p.685–755. 22½cm. N. Y., 1922.
In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

—— Nursing service to the civilian population of the Allies. p.756–952. 22½cm. N. Y., 1922.
In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

—— Demobilization. p.982–1076. 22½cm. N. Y., 1922.
In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y.

Anglade, M. La chirurgie de guerre et les dames infirmières de la Croix-Rouge. Rev. sc., Par., 1913, **2**: 555–61.—**Burgar, D. G.** In Gleiwitz, Unit I, American Red Cross, at work. Am. J. Nurs., 1915, **15**: 1093–9.—**Considérations** sur la préparation des infirmières et des auxillaires-volontaires de la Croix-Rouge, et sur leur activité en temps de guerre. Rev. internat. Croix Rouge, 1949, **31**: 98–126.—**Dock, L. L.** Early growth. In her Hist. Am. Red Cross Nurs., N. Y., 1922, 1–24. —— Class instruction for women. Ibid., 1352–74, pl.—**Drigalski, W. v.** Die freiwillige Krankenpflege und das Rote Kreuz. In his Aufstieg d. San. Korps, Oldenb., 1939, 136–41.—**Excerpts** from news letters sent out by the American Red Cross nursing service. Johns Hopkins Nurs. Alumnae Mag., 1943, **42**: 63–8.—**Minnegerode, L.** The Red Cross; experiences of Unit C (Red Cross) at Kief, Russia. Am. J. Nurs., 1915, **16**: 220–6.—**Nimitz, C. W.** Address. Summary Proc. Am. Red Cross, 1941, 85–90.—**Perduca, L. M.** Infermiere volontarie; sosta alla casa di riposo delle infermiere della Croce Rossa italiana. Riv. Soc. ital. igiene, 1940, **62**: 86.—**Pickett, S. E.** Uniforms and insignia. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 694. —— Navy nursing service at foreign stations. Ibid., 718. —— At National Headquarters. Ibid., 953–82.—**Red Cross** nursing and the Navy. Am. J. Nurs., 1940, **40**: 981–4.

REDEPLOYMENT.

See also **Rotation.**

United States. War Department. Technical bulletin TB MED 170: Medical problems of redeployment. 3p. 26cm. Wash., 1945.

Wiley, B. I. Reorganizing for redeployment. p.435–504. 25½cm. Wash., 1947.
In: U. S. Army in World War II, Wash., 1947, AGF 1.

Medical (The) preparation of troops for redeployment through the Assembly Area Command. Med. Bull. U. S. Chief Surg Europ. Theatre, 1945, No. 32, 7.—**Stouffer, S. A.** The point system for redeployment and discharge. In his Amer. Soldier, Princet., 1949, **2**: 520–48.—**Wiley, B. I.** Redeployment training, plans and problems. In: U. S. Army in World War II, Wash., 1948, AGF 2: 619–47.

REDUCING.

See under **Diet.**

REEDUCATION.

See **Paralysis,** Treatment; also **Reconditioning; Rehabilitation.**

REEMPLOYMENT.

See under **Veteran;** also **Rehabilitation,** Veterans.

REEXAMINATION.

See **Aviator,** Re-examination; **Medical examination,** annual.

REFRACTION.

See under **Vision.**

REFRIGERATION anesthesia.

See under **Surgical technic,** Anesthetization.

REFRIGERATOR.

Doherty, D. G., & Consolazio, W. V. Evaluation of Kem Air as a meat refrigerator deodorant. 5p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X-533, U. S. Nav. M. Res. Inst.

Heiman, V. A food cooler for field use. Mil. Surgeon, 1944, **95**: 422.—**Navires** frigorifiques; transport et conservation à bord des vivres frigorifiés. Arch. méd. pharm. nav., 1918, **106**: 364–87.—**Penhallow, D. P.** A trailer refrigerator for the protection of food on the march and in the field. Mil. Surgeon, 1942, **90**: 130–4.

REFUSAL of treatment.

See under **Treatment.**

REFUSE.

See also **Garbage; Waste.**

Spencer, C. C. Recommended wartime refuse disposal practice; with particular reference to the sanitary landfill method of disposal for mixed refuse. 19p. 23cm. Wash., 1943.
Forms Suppl. No. 173, Pub. Health Rep., Wash.

Beatty, M. C. Disposal of rubbish. J. R. Army M. Corps, 1928, **51**: 59–61.—**Eliassen, R.** War conditions favor landfill refuse disposal. Engin. News Rec., 1942, **128**: 912; No. 23, 72.—**Instructions** for refuse disposal in populated places during war. Hig. & zdorov., 1942, 7: No. 3, 59–64.—**Morris, A. E.** An improved form of improvised refuse destructor for cantonments and camps. J. R. Army M. Corps, 1908, **11**: 304–6.—**Trash** dumps and garbage dumps. In: Prev. Med. in World War II, Wash., 1948, **5**: Chapt. 7, Mem. 2, 1–4, 2 pl.—**Wartime** problems in refuse collection and disposal. Pub. Works, N. Y., 1942, **73**: No. 12, 16.—**Wescott, O. D.** The disposal of hospital refuse and waste. U. S. Veterans Bur. M. Bull., 1929, **5**: 777–81, pl.

REGENERATION [nerve]

See under **Nerve degeneration.**

REGIMENT.

See also **Division, airborne; Medical battalion.**

—— Evacuation.

See **Ambulance service,** motor; **Evacuation; Transportation.**

—— Medical service.

See also **Regimental medical officer.**

Ariev, T. J. [Surgical work in regimental and Army zones and at the front] Voen. san. delo, 1942, No. 7, 27–38.—**Blecher.** Truppen-Kriegsgeschichte; seelische Belastung und Verantwortlichkeit des Regimentskommandeurs im Krieg. Mil. Wbl., Berl., 1937–38, **122**: 2955.—**Burdenko, N. N.** [Surgical work in the regimental districts] Voen. san. delo, 1937, No. 6, 3–11.—**Danilov, V.** Polkovoj mediciniskij punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 741–9.—**Esteves, J. R.** Algunos aspectos del funcionamiento del servicio de sanidad del regimiento de infantería en campaña. Rev. san. mil. argent., 1947, **46**: 169–207.—**Margiewicz, A.** Służba zdrowia pułku piechoty w polu. Lek. wojsk., 1948, **24**: 234–60, diagr.—**Muffang.** De quelque améliorations à apporter aux plans des infirmeries régimentaires. Bull. Soc. méd. mil. fr., 1937, **31**: 642–7.—**Nimier, H.** Fonctionnement du service médical régimentaire pendant la bataille. J. sc. méd. Lille, 1913, **36**: pt 1, 489–91.—**Pozner, H.** Regimental medical practice. Brit. M. J., 1941, **1**: 412.—**Rónai, B.** Az ezred eü. szolgálat fontosabb kérdései a ho. eü. gyakorlaton. Honvédorvos, 1950, **3**: 462–5.—**Suárez Torres, G.** Funcionamiento del servicio de sanidad en un regimiento de infantería en campaña. Mem. Sem. méd. mil., Méx., 1937, 1. Congr., 71–88.—**Williams, R. P.** The new regimental medical detachment. Mil. Surgeon, 1940, **86**: 9–26.

REGIMENTAL aid station.

See **Aid station.**

REGIMENTAL dispensary.

See under **Dispensary.**

REGIMENTAL hospital.

See **Hospital,** regimental; also **Regiment,** Medical service.

REGIMENTAL medical officer.

See also **Directory; Medical officer; Regiment,** Medical service.

Burges, R. C. L'E. Impressions of a regimental medical officer. Brit. M. J., 1941, **2**: 816.—**Challis, A. W. H.** Peregrinations of a regimental medical officer. Univ. Coll. Hosp. Mag., Lond., 1944, **29**: 110–6.—**Dowse, J. C. A.** The regimental medical officer. S. Barth. Hosp. J. War Ed., Lond., 1942–43, **4**: 21–3.—**Ekwurzel, G. M.** Observations of a regimental surgeon with the maneuver division. Mil. Surgeon, 1912, **31**: 52–60.—**Middleton, D. S.** The work of a regimental medical officer. Edinburgh M. J., 1940, **47**: 717–26.—**Tidy, H. L.** Regimental medical officers. Brit. M. J., 1942, **1**: 52. Also Lancet, Lond., 1942, **1**: 57.

REGIMENTATION.

See under **Physician.**

REGIONAL hospital.

See under **Hospital.**

REGIONAL ileitis.

See as subheading under **Ileum.**

REGISTER.

See also **Directory.**

General register of the United States Navy and Marine Corps, arranged in alphabetical order, for one hundred years, 1782 to 1882 (ed. T. H. S. Hamersley) 942p. 24cm. Wash., 1882.

United States. Department of the Army Adjutant General's Office. Official Army register. Wash., 1943–

Register for 1948 has title Official Army and Air Force register.

REGISTRANT.

See **Recruit;** also **Fitness,** Medical judgment; **Rejection.**

REGISTRAR.

See also **Hospitalization,** Admittance (etc.)

Blackham, R. J. Reflections of a former military registrar. J. R. Army M. Corps, 1944, **82:** 224–31.—**MacDonald, H.** The non-medical registrar. J. Canad. M. Serv., 1944–45, **2:** 549–54.—**Martineau, H. M.** Some impressions from a military registrar of a transit hospital in southern England. J. R. Army M. Corps, 1945, **84:** 237–9.

REGISTRATION.

See under **Physician.**

REGISTRY of Pathology.

See under **Pathology.**

REGULATION.

See also **Disabled,** Laws and regulations; **Hospital administration,** Rules and regulations.

Germany. Oberkommando des Heeres. [Heeres-Druckvorschrift] H. Dv. Berl., No. 1a, 1942–

—— [Heeres-Druckvorschrift] H. Dv. 1a: Verzeichnis der planmässigen Heeres-Druckvorschriften. 355p. 31cm. Berl., 1942.

—— [Heeres-Druckvorschrift] H. Dv. 1a: Anh. 2. Merkblatt 53/2: Anweisungen für die Sanitätsoffiziere zum D. U.-Verfahren im Heere und in der Luftwaffe. 66p. 21cm. Berl., 1940.

—— [Heeres-Druckvorschrift] H. Dv. 1a: Anh. 2. Verzeichnis der Merkblätter, Richtlinien usw. des Heeres; offen und N. f. D. 143p. 29cm. Berl., 1943.

—— [Heeres-Druckvorschrift] H. Dv. 5: Vorschrift für die Behandlung der Sanitätsausrüstung und für die Herstellung von Verband- und Arzneimitteln. 153p. 21cm. Berl., 1935.

—— [Heeres-Druckvorschrift] H. Dv. 21: Kriegssanitätsvorschrift (Heer) 2. Teil. 148p. 15cm. Berl., 1939.

—— [Heeres-Druckvorschrift] H. Dv. 21-1: Kriegssanitätsvorschrift (Heer) [Reprint] 158p. 15cm. Berl. 1941.

—— [Heeres-Druckvorschrift] H. Dv. 21-2: Kriegssanitätsvorschrift (Heer) 96p. 15cm. Berl., 1939 [?]

—— [Heeres-Druckvorschrift] H. Dv. 75: Bestimmungen für die Erhaltung des Heeres im Kriegszustand; Sinngemäss gültig für besonderen Einfass. 109p. 21cm. Berl., 1939.

—— [Heeres-Druckvorschrift] H. Dv. 82-5b: Bestimmungen für Entlassung von Unteroffizieren und Mannschaften des Heeres während des Krieges. 78p. 21cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 193-2: Reichswehr-Sanitäts-Vorschrift. Teil 2: Heilfürsorge mit Kurbestimmungen. 40p. 21cm. Berl., 1933.

—— [Heeres-Druckvorschrift] H. Dv. 193-3: Reichswehr-Sanitäts-Vorschrift. Teil 3: Gesundheitsdienst. 84p. 21cm. Berl., 1934.

—— [Heeres-Druckvorschrift] H. Dv. 193/8: Wehrmacht-Sanitäts-Vorschrift. Teil 8: Aerztliche Berichtanweisung [Reprint] 224p. 21cm. Berl., 1939.

—— [Heeres-Druckvorschrift] H. Dv. 208/2: Uebersicht der Feldsanitätsausrüstung [Reprint] 143p. 21cm. Berl., 1940.

—— [Heeres-Druckvorschrift] H. Dv. 208/3: Uebersicht der wirtschaftlichen Sanitätsausrüstung der Sanitätseinheiten [Reprint] 36p. 21cm. Berl., 1937.

—— [Heeres-Druckvorschrift] H. Dv. 208/6: Packordnung der Sanitätsausrüstung, Satz a; Truppensanitätsausrüstung. 16p. 21cm. Berl. 1941.

—— [Heeres-Druckvorschrift] H. Dv. 208/8: Packordnung der Sanitätsausrüstung, Satz c und der Sanitätsausrüstung Ergänzungssatz a. 24p. 21cm. Berl., 1941.

—— [Heeres-Druckvorschrift] H. Dv. 209: Sammelheft Merkblätter für den Sanitätsdienst, vom 1. August 1939. 450p. 21cm. Berl., 1939–44.

—— [Heeres-Druckvorschrift] H. Dv. 209/2: Sammelheft Richtlinien und Merkblätter für den Heeres-Sanitätsdienst, vom 1. Februar 1942. [v. p.] 21cm. Berl., 1942–44.

Germany. Oberkommando der Kriegsmarine. [Marine-Druckvorschrift] M. Dv. 271-1: Soll der Sanitätsausrüstungen. Teil 1: Allgemeine Bestimmungen [Reprint] 32p. 22cm. Berl., 1941.

Great Britain. War Office. Regulations for the Army Medical Service, 1906; reprinted with Amendments, up to 30 September, 1914. 183p. 18½cm. Lond., 1914.

—— Regulations for the Medical Services of the Army, 1938. Amendments No. 15. 19 numb. l. 18cm. Lond., 1941.

—— Regulations for the medical services of the Army, 1938. 457p. 17½cm. Lond., 1943.

Japan. Rikugun. Regulations for the Medical Service of the Japanese Army in time of war. 50 l. 27cm. n. p., after 1895.

Typewritten.

Netherlands. Departement van Defensie. Voorschriften betreffende den geneeskundigen dienst bij de koninklijke landmacht op voet van oorlog. Deel 1. 134p. 16° Breda, 1938.

Red Cross. International Red Cross Committee. Inter arma caritas; the work of the International Committee of the Red Cross during the Second World War. 135p. 23cm. Genève, 1947.

Wehrmachtfürsorge- und -versorgungsbestimmungen. Berl., v.4–8, 1940–44.

Cramer, H. Die Kriegs-Sanitätsordnung vom 27. Januar 1907, nebst der Dienstvorschrift für die freiwillige Krankenpflege vom 12. März 1907. Zschr. Krankenpfl., 1908, **30:** 1–8.—**Maslinkovsky, T., & Komissarov, M.** Ustavy i nastavlenija. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 675–8.—**Reglamento** general para el Servicio de sanidad militar; en tiempos de guerra. Rev. Esc. méd. mil., Méx., 1943, **2:** No. 10, 17; 23.—**Schmidt, G.** Traindepot-Ordnung (T. O.) vom 7. 8. 07. Deut. mil. ärztl. Zschr., 1907, **36:** 1057–62.

—— United States Army.

UNITED STATES. WAR DEPARTMENT. Revised regulations for the Army of the United States, 1861. With a full index. 559p. 22cm. Phila., 1861.

—— Special regulations No. 65. Standards of physical examination for entrance into the United States Army. Rev. Nov. 8, 1918. 56p. 195mm. Wash., 1919.

—— Army regulations No. 40–5: Medical Department: General provisions. 8p. 8°. Wash. 1926.

—— Army regulations No. 40–245: Medical Department: The prevention of communicable diseases of man; management of cases in hospitals and dispensaries. 5p. 8°. Wash., 1923.

REGULATOR.

See **Oxygen regulator.**

REHABILITATION.

See also **Blind; Convalescent; Deaf; Dental care; Dental health,** Defects; **Disabled; Fracture,** Treatment: Methods; **Hearing; Neuropsychiatric casualty,** psychiatric; **Neurotic; Occupational therapy; Ophthalmology,** Technic; **Paralysis,** Treatment; **Paraplegia,** Care; **Physical therapy; Prisoner; Psychotic; Reconditioning; Rejection; Vision; Wounded.**

BARUCH COMMITTEE ON PHYSICAL MEDICINE. War and postwar rehabilitation and reconditioning; a bulletin of information. 28p. 21½cm. N. Y., 1944.

UNITED STATES. WAR DEPARTMENT. Pamphlet. No. 8–7: Helpful hints to those who have lost limbs. 15p. 17½cm. Wash., 1944.

Dynes, J. B. Rehabilitation of war casualties. War Med., Chic., 1945, **7**: 32–5.—**Getting** down to cases. Carry On, Wash., 1919, **1**: 25–8.—**Howitt, F. D.** Rehabilitation and the war. Brit. J. Phys. M., 1942, **5**: 81–4. Also Canad. J. Occup. Ther., 1943, **10**: 6–10.—**Kolodnaia, A. I.** Trudoustrojstvo. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 551–8, pl.—**Kovács, R.** Rehabilitating the war injured. Tr. Am. Ther. Soc. (1943) 1944, **44**: 66–71.—**Kuhn, F. D.** Bibliography on the rehabilitation of servicemen. Occup. Ther. Rehabil., 1945, **24**: 99–108.—**Lebrun, A.** Le médecin d'usine et la réadaptation de l'invalide. Ann. belg. méd. mil., 1949, **102**: 55–72.—**Rusk, H. A.** Convalescence and rehabilitation. In: Doctors at War (Fishbein, M.) N. Y., 1945, 303–18, 4 pl. —— Rehabilitation; wartime lessons applied to peacetime needs. Ann. Int. M., 1947, **26**: 386–92.—**Shepard, C. F.** Analysis of rehabilitation cases. Optometr. Week., 1944–45, **35**: 1333; passim.—**Thomas, E. D.** Rehabilitating our servicemen and women. Am. J. Nurs., 1944, **44**: 729–31.

—— Disabled.

See **Disabled;** also **Surgical technic,** Amputation.

—— Hospital technic.

See also subheadings (U. S. Army; U. S. Navy) also **Hospital service; Rehabilitation center.**

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 137: Physical reconditioning for bed and ward patients. 9p. 26cm. Wash., 1945.

Goodnow, M. Reconstruction work in a military hospital. Trained Nurse, 1919, **63**: 61–5.—**Organizational** charts, rehabilitation. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 9, 55.—**Sentinels** of the East; rehabilitation at a Moscow hospital. Nurs. Times, Lond., 1943, **39**: 670.—**Temple, A. D.** A scheme for rehabilitation in a sanatorium. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 2, 28–33.

—— Logistics.

Albee, F. H. Rehabilitation, or the salvaging of manpower. J. Internat. Coll. Surgeons, 1944, **7**: 337–42.—**Chester, E. P.** Rehabilitation and the war effort. Connecticut M. J., 1943, **7**: 66.—**O'Keefe, D. E.** A rehabilitation program; in a theatre of operations. News Lett. Am. Ass. Psychiat. Social Work., 1944–45, **14**: 72–4.—**Prehabilitation,** rehabilitation, and revocation in the Army. Brit. M. J., 1946, **1**: Suppl., 192–7.—**Preston, G. H.** Remobilization versus demobilization. Ment. Hyg., Alb., 1942, **26**: 33–8.—**Rehabilitation,** streamlined to duty. Lawson News, 1943, **4**: No. 3, 6.—**Russians** return 70 percent of wounded to active service. Bull. U. S. Army M. Dep., 1944, No. 76, 11.—**Taft, E.** Rehabilitation; the problems of a returning Army. Milwaukee M. Times, 1945, **16**: No. 8, 15; passim.

—— Methods.

See also **Physical therapy; Physical training; Reconditioning; Surgical technic,** reconstructive.

Bell, M. The pathway to the immediate correction of remedial defects. J. Health Phys. Educ., 1943, **14**: 198.—**Chant, S. N. F.** R. C. A. F. personnel counseling as preparation for rehabilitation. Occupations, 1944–45, **23**: 19–22.—**Dabelstein, D. H.** Counseling in the rehabilitation service. J. Clin. Psychol., 1946, **2**: 116–22.—**Imbert, A.** Le travail professionnel agent de la rééducation physique. Rapp. Conf. interall. rééduc. profess., 1917, 85–90.—**Lemere, F.** Some psychologic principles of rehabilitation. War Med., Chic., 1945, **7**: 360–4.—**Naegeli, T.** Die Bedeutung der Wiederherstellung und Anpassung, insbesondere in der Chirurgie. Schweiz. med. Wschr., 1943, **73**: 29; 61.—**Royle, N. D.** The neuro-muscular re-education of the soldier. Med. J. Australia, 1917, **2**: 453–6.—**Rudd, J. L., Margolin, R. J.,** & **Rose, C. L.** Corrective physical rehabilitation; an effective approach. Mil. Surgeon, 1948, **103**: 125–35.

—— Problems.

BOATE, G. A. The relation of the short, intensive industrial survey to the problem of soldier re-education. 5p. 28cm. N. Y., 1918. Forms No. 10, ser. 1, Pub. Red Cross Inst. Crippled, N. Y.

Gregg, A. Some problems of relief and rehabilitation. Mil. Surgeon, 1944, **94**: 140–3.—**Numainville, L. J.,** & **Kohn, E.** Rehabilitation problems. Ibid., **95**: 205–9.

—— Recruits.

See also **Physical training; Rehabilitation center; Rejection,** Rehabilitation.

Auerbach, M. A. Selective service for health. Month. Bull. Bd. Health Indiana, 1940, **43**: 247, &c.—**Baehr, G., Allen, A. W.** [et al.] Report of the Commission on Physical Rehabilitation. J. Am. Dent. Ass., 1941, **28**: 1362–4.—**Brooksher, W. R.** Federal rehabilitation program. J. Arkansas M. Soc., 1941–42, **38**: 149.—**Case, R. A. M.** A study of the haematology of 663 substandard recruits under training at an Army physical development centre. Brit. J. Social M., 1947, **1**: 51–72.—**Cheyne, D. G.** Man-power; medical aspects in a world Army today. Proc. R. Soc. M., Lond., 1941–42, **35**: 427–30.—**Cost** (A) study of rehabilitation of Selective Service registrants in the District of Columbia. Med. Ann. District of Columbia, 1942, **11**: 73–7.—**Davis, J. J.** Rehabilitation of the physically handicapped. Congressional Rec., 1943, **89**: A1784.—**Dental** preparedness; 1917 and 1941. Illinois Dent. J., 1941, **10**: 247–60.—**E., R. V.** Our greatest national waste. J. Lancet, 1942, **62**: 271.—**Hershey, L. B.** Physical rehabilitation of registrants. J. Am. M. Ass., 1942, **118**: 383–5.—**Making** our man-power fit. Med. Care, 1941, **1**: 256.—**Medical** costs and rehabilitation. Med. Ann. District of Columbia, 1942, **11**: 66.—**O'Sheel, P.** Rehabilitation heralds federal health program. Med. Econom., 1941–42, **19**: No. 2, 40.—**Parker, L. O.,** & **Kaess, K. V.** Segregated training for recruits with minor orthopedic disabilities and complaints. U. S. Nav. M. Bull., 1946, **46**: 676–9.—**Physical** rehabilitation of draftees. Detroit M. News, 1941–42, **33**: No. 25, 5 (Abstr.)—**Prehabilitation** of registrants. J. Am. M. Ass., 1941, **117**: 116.—**Prehabilitation** (The) of registrants; a plan for rendering registrants fit for examination and service, offered by Selective Service headquarters. Ibid., **116**: 1777.—**Prehabilitation** of registrants; rid yourself of minor defects. Hygeia, Chic., 1941, **19**: 695.—**Rehabilitation** of registrants. Ibid., 626; 695; 801. Also J. Iowa M. Soc., 1942, **32**: 266.—**Remedial** (The) treatment of military recruits. N. Zealand M. J., 1941, **40**: 341.—**Report** of Commission on Physical Rehabilitation. J. Am. M. Ass., 1941, **117**: 199.—**Robinson, W. H.** Information on the rehabilitation of inductees. J. Am. Dent. Ass., 1941, **28**: 1515–7.—**Rowntree, L. G.** Results of examination of selectees and their rehabilitation. Week. Roster, Phila., 1941–42, **37**: 848–51. ——— Rehabilitation and prehabilitation. J. Am. M. Ass., 1942, **119**: 1171–5. ——— National rehabilitation. J. Health Phys. Educ., 1942, **13**: 223; 264. ——— Correctible defects at selective service age. Med. Ann. District of Columbia, 1944, **13**: 170–7.—**Rules** as to procedure for physical rehabilitation of registrants issued; plan no immediate action in Ohio. Ohio M. J., 1942, **38**: 254–8.—**Terrizzano, V. M.,** & **Giangrande, M.** Profilaxis de múltiples inhabilitaciones militares. Rev. san. mil., B. Air., 1941, **40**: 989–93.

—— Veterans.

See also subheading (United States: Veterans Administration)

Bowman, K. M. Psychiatry and the rehabilitation of the returning serviceman. 10p. 23cm. N. Y., 1945.

California Conference on Social Work [1943] Kindred group program on rehabilitation of handicapped children, and disabled ex-service men and women workers, and civilians. 30p. 23cm. Los Ang. [?] 1943 [?]

Andrews, J. N. Demobilization, rehabilitation, and re-employment of veterans. In: Putting the Disabled Veteran Back to Work, (C. D. Selby, et al.) Pittsb., 1943, 2–9. Also J. Am. Insur., 1944, **21**: No. 10, 6, &c.—**Braceland, F. J.** Essentials of veterans' rehabilitation. Dis. Nerv. Syst., 1945, **6**: 101–5.—**Brooke, C. R.** Physical rehabilitation of veterans. Med. Ann. District of Columbia, 1945, **14**: 6, &c.—**Condon, M. E.** A follow-up study of one hundred veterans. J. Rehabil., Des Moines, 1947, **13**: No. 6, 27–31.—**Dabelstein, D. H.** Vocational rehabilitation, a state-federal program. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 117–23.—**Drumm, R. M.** The rehabilitation problem in the veterans home. J. Rehabil., Des Moines, 1948, **14**: No. 2, 19–23.—**Dunlop, E.** Report on the vocational rehabilitation of disabled veterans as at January 31, 1948. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 5, 39–42.—**Fisk, M. K.** Medical and vocational rehabilitation for veterans. In: Sympos. Processes Rehabil. (U. S. Nat. Conf. Social Work) 1944, 10–7.—**Haynes, H. J.** The reconstruction service in neuropsychiatric hospitals. Med. Bull. Veterans Admin., 1942–43, **19**: 312–5.—**Hohman, L. B.** Rehabilitation of veterans. Progr. Neur. Psychiat., N. Y., 1947, **2**: 518–24.—**Hostetler, C. E.** Vocational training and rehabilitation of the veteran. J. Am. Insur., 1944, **21**: No. 5, 15, &c.—**Howe, F. C.** Reconstruction and rehabilitation of the returning soldier. N. York M. J., 1918, **108**: 1014.—**Johnson, J. F., & Hoffman, H. V.** Role of industrial medicine in the rehabilitation of veterans. J. Am. M. Ass., 1944, **126**: 1073–7.—**Krusen, F. H.** A rehabilitation program for military veterans. J. Michigan M. Soc., 1945, **44**: 484–9.—**Liber, B.** Rehabilitation of discharged soldiers. N. York State J. M., 1945, **45**: 1101–4.—**McGonegal, C.** Our responsibilities. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 6–8.—**Mueller, V. A., jr, & Silverman, L. K.** Experiment in physical reconditioning at Camp Crowder. War Med., Chic., 1945, **7**: 365–70.—**Newcomb, T., & Hawley, A. H.** Rehabilitation services of veterans organizations. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 160–4.—**Orner, A. T., & Gates, L. W.** A private agency serves veterans. Crippled Child, 1945–46, **23**: 146–9.—**Philbin, P. J.** Rehabilitation of veterans. Congressional Rec., 1943, **89**: A5677.—**Rehabilitating** veterans of World War II. Surg. Business, 1943, **6**: No. 8, 14.—**Roland, P.** The importance of the family in rehabilitation. Occup. Ther. Rehabil., 1945, **24**: 253–5.—**Rusk, H. A.** Rehabilitation in operation. South. M. J., 1948, **41**: 57–62.—**Selby, C. D.** The job of the medical profession in the rehabilitation of veterans. Westchester M. Bull., 1945, **13**: 8.—**Stickney, H. L.** Rehabilitation; an aftermath of the World War. Cincinnati J. M., 1921–22, **2**: 2–6.—**Thom, D. A.** Transition from soldier to civilian. Med. Q., Ottawa, 1919, **1**: 342–7, 1 pl.—**Veteran** (A) uses general semantics for rehabilitation. Am. J. Psychiat., 1946–47, **103**: 113–5.—**Wolf, R. E.** A veteran looks at rehabilitation. Illinois Psychiat. J., 1944, **4**: 28–36. Also Ment. Hyg., Alb., 1945, **29**: 46–60.—**Zabriskie, E. G.** The problem of rehabilitation of demobilized veterans. Tr. Am. Neur. Ass., 1944, **70**: 1–9.

—— by countries.

Andrew, G. Rehabilitation as seen in the Royal Australian Air Force; some therapeutic and occupational aspects. Med. J. Australia, 1945, **1**: 577–83.—**Laufer, M. P.** The rehabilitation of the injured in war and peace. Notes Czech. M. Ass. Gr. Britain, 1944, 44–54.—**Rehabilitation** of ex-service personnel. Austral. Hosp., 1946, **13**: No. 3, 18.—**Rehabilitation** of service personnel; a summary of the benefits available under Commonwealth legislation. Australas. J. Pharm., 1945, **26**: 644–6.

—— by countries: Belgium.

Evrard. Une expérience d'unité de réadaptation physique; la Compagnie belge de réadaptation physique de Cricchieth (Grande-Bretagne 1943) Arch. Serv. san. Armée belge, 1947, **100**: 16–25.

—— by countries: Canada.

Bigger, J. L. The rehabilitation of the ex-service man in Canada. Proc. Nat. Conf. Social Work., 1924, **51**: 238–44.—**Connell, W. T.** The returned soldier. Canad. M. Ass. J., 1918, 8: 797–804.—**Jamieson, H. W.** Canada plans for veterans' training. Occupations, 1943–44, **22**: 17–9.—**Kennedy, H. A.** Reconstructing in Canada. Reveille, Lond., 1918–19, No. 3, 405–9.—**Khaki** (The) University of Canada. N. York M. J., 1918, **108**: 561.—**Matheson, J. R.** Recovery and rehabilitation. Camsi, Montréal, 1945, **4**: No. 2, 16–9.—**Mustard, R.** Rehabilitation. J. Canad. M. Serv., 1944–45, **2**: 69–77.—**Taillefer, R. E.** The rehabilitation and welfare group. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 2, 24–7.—**Woods, W. S.** Canada's rehabilitation program. Ibid., 1948, **3**: No. 5, 3–12.

—— by countries: France.

Bittard, A. L. Documentation et propagande. Rapp. Conf. interall. rééduc. profess., 1917, 379–87.—**Borne.** Propagande. Ibid., 389–95.—**Janniaux, A.** Une expérience intéressante: établissement de petits éleveurs. Rev. interall. mutil. guerre, 1918, **1**: 563–8.—**Keogh,** Sir A. Rapport. Rapp. Conf. interall. rééduc. profess., 1917, 397–433.—**Lois** et projets de lois. Rev. interall. mutil. guerre, 1918, 1: 203; 306; 620.

—— by countries: Great Britain.

Burrows, H. J. Rehabilitation in a naval hospital. Lancet, Lond., 1945, **1**: 370–2.—**Clark, H. L.** Rehabilitating the British ex-service man. Rehabil. Rev., N. Y., 1932, **6**: 1–6.—**Duthie, J. J. R.** Rehabilitation in the Army. Edinburgh M. J., 1944, **51**: 367–80.—**Emergency** hospital scheme; disabled persons; vocational training and employment. Bull. War M., Lond., 1941–42, **2**: 244 (Abstr.)—**Fairbank, H. A. T.** Rehabilitation of the injured in this war and the last. Lancet, Lond., 1944, **2**: 131–4.—**Gillespie, F. S.** Rehabilitation in the British Army. Physiother. Rev., 1944, **24**: 3–5.—**Goodwin.** What the War Office is doing. Reveille, Lond., 1918, 1: 220–4.—**Henderson, R. G.** Rehabilitation at an EMS hospital. Lancet, Lond., 1944, **1**: 733.—**Howitt, F. D., & Norris, D. C.** Rehabilitation and the war. Tr. M. Soc. London, 1940–43, **63**: 121–8.—**Jens, J.** The retraining of the injured in a naval depot. J. R. Nav. M. Serv., 1944, **30**: 92–5.—**Jokl, E., Cluver, E. H.** [et al.] Training and efficiency; an experiment in physical and economic rehabilitation. Bull. War M., Lond., 1941–42, **2**: 154.—**Kersley, G. D.** Post-war rehabilitation and resettlement. Brit. M. J., 1944, **2**: 632.—**Large, S. D.** Rehabilitation. J. R. Army M. Corps, 1943, **80**: 115; 167.—**Myers, D. B.** Roehampton and its lessons. Reveille, Lond., 1918, **1**: 251–9.—**Preparing** the sick and injured for return to work. Bull. War M., Lond., 1941–42, **2**: 431 (Abstr.)—**Rehabilitation** of the soldier. Bull. Army M. Dir., Lond., 1941, No. 4, 2.—**Slack, C. C.** Rehabilitation at war and at peace. Sphincter, Liverp., 1946–47, **9**: No. 2, 24.—**Ward, F. G.** Rehabilitation. J. R. Nav. M. Serv., 1944, **30**: 37–45.—**Wilson, E. H.** Rehabilitation in wartime Britain. Arch. Surg., 1943, **46**: 788–92.—**Woods, R. S.** Rehabilitation in the E. M. S. Brit. M. J., 1942, **2**: 89.

—— by countries: Great Britain—Air Force.

Burniston, G. G. Medical rehabilitation; its organization in the Royal Air Force and the Royal Australian Air Force. Med. J. Australia, 1946, **1**: 620–6.—**Clarke, H. O.** Orthopaedic and rehabilitation service of the Royal Air Force. Lancet, Lond., 1946, **1**: 721–3.—**Houlding, R. N.** Rehabilitation of injured air crews in Great Britain. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 440–53.—**O'Malley, C. J. S.** Man-power conservation; rehabilitation and re-classification in the R. A. F. In: Interallied Conf. War Med. (1942–45) 1947, 53–7.—**Rehabilitation** in the RAF; a new concept of ordinary medicine and surgery. Lancet, Lond., 1944, **1**: 608.—**Tippett, G. O.** Active rehabilitation in the R. A. F. Brit. M. J., 1942, **2**: 81.—**Watson-Jones, R.** Rehabilitation in the Royal Air Force. Ibid., **1**: 403–7. Also In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 424–39.

—— by countries: Japan.

Ayres, P. B., Gilbert, F., & McCauley, W. Rehabilitation in the Japanese Navy. 19p. 25½cm. n. p., 1945.
Forms No. M–E, Med. Targets.

—— by countries: New Zealand.

Caughey, J. E. Occupational therapy and rehabilitation at N. 2 N. Z. General Hospital, Middle East. N. Zealand M. J., 1943, **42**: 205–8.—**Veterans'** rehabilitation in New Zealand. Month. Labor Rev., 1945, **60**: 64–9.

—— by countries: Russia.

Carjkov, V. M. Remontnoe obsluživanie polevoj sanitarnoj tekhniki v period Otečestvennoj vojny i očerednye zadači po organizacii remontnogo dela. Voen. med. J., Moskva, 1947, No. 5, 42–6.—**Sukhov, A. N.** Rehabilitation of the war wounded in the Soviet Union. Am. Rev. Soviet M., 1943–44, **1**: 293–9.

—— by countries: United States.

United States. Federal Board for Vocational Education. Vocational rehabilitation in rural communities. 13p. 8° Wash., 1922.
Forms its Bull. No. 72, & its Indust. Rehabil. Ser. No. 4.

Baehr, G., Allen, A. W. [et al.] Report of the Health and Medical Committee, Commission on Physical Rehabilitation. War Med., Chic., 1941, **1**: 571–3.—**Hudson, H.** Congress looks at rehabilitation; legislative hopper gets many bills for military and civilian service; all propose expansion but differ on provisions. Bull. Nat. Tuberc. Ass., 1942, **28**: 147. ——— Problems of rehabilitation legislation. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 631–9.—**Krusen, F. H.** Wartime physical rehabilitation. Proc. Mayo

Clin., 1943, 18: 320; 344. ——— Wartime physical reconstruction. Mil. Surgeon, 1944, 94: 147–56.—**McCormick, D. W.** Physical reconstruction and vocational education in the World War of 1914 to 1918. Arch. Phys. Ther., 1942, 23: 348–53.—**Seidenfeld, M. A.** Rehabilitation in the Armed Forces. Crippled Child, 1942–43, 20: 58.—**Vaughn, S. J.** The organization and progress of reconstruction. Carry On, Wash., 1919, 1: 18–21.

—— by countries: United States Air Force.

United States. Air Force. Air Forces manual No. 23: Handbook of recovery. 24p. 28cm. N. Y., 1944.

Covalt, D. A. Rehabilitation in the Army Air Forces. N. York Med., 1945, 1: No. 2, 13–7.—**Griffiths, J.** War-smashed airmen made whole. Occup. Ther. Rehabil., 1943, 22: 140–2.—**Rehabilitation** of rejected candidates for the Air Corps. Med. Rec., N. Y., 1942, 155: 391.—**Rusk, H. A.** Rehabilitation in the Army Air Forces. Crippled Child, 1944–45, 22: 4, &c.—**Taylor, E. J.** Pre-discharge rehabilitation program of the Army Air Force. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 24–6.

—— by countries: United States Army.

United States. War Department. Technical bulletin TB MED 145: Film programs for educational reconditioning in ASF hospitals. 8p. 26cm. Wash., 1945.

—— Technical bulletin TB MED 166: Films for reconditioning for bed and ward patients in ASF hospitals. 10p. 26cm. Wash., 1945.

—— Technical bulletin TB MED 207: Ward officer and reconditioning in ASF hospital. 5p. 27cm. Wash., 1945.

Barton, W. E. The reconditioning and rehabilitating program in Army hospitals. Am. J. Psychiat., 1944–45, 101: 608–13.—**Bilik, S. E.** Reconditioning problem at Oliver General Hospital. Bull. U. S. Army M. Dep., 1944, No. 78, 81–93.—**Evans, H. M.** Physical reconstruction in United States Army hospitals. Mil. Surgeon, 1920, 46: 33–9.—**Films** for reconditioning for bed and war patients in ASF hospitals. War. Dep. Techn. Bull., 1945, No. 166, 1–10.—**Gorman, C. E.** Army rehabilitation. J. Internat. Coll. Surgeons, 1944, 7: 370–6.—**Granger, F. B.** Physical reconstruction in the Medical Department, United States Army. Am. J. Electrother., 1918, 36: 233–6.—**Hillman, C. C.** The reconditioning program in Army Service Forces hospitals. Mil. Rev., Fort Leavenw., 1944, 24: 10–2.—**Huddleston, O. L.** Aspects of physical therapy and reconditioning in some of the Army hospitals. Clinics, 1945–46, 4: 1574–613.—**Kunkel, P.** Reconditioning program in an overseas general hospital. Bull. U. S. Army M. Dep., 1945, 4: 586–90.—**Marietta, S. U.** Reconditioning of military personnel as carried out in the Army. Dis. Chest, 1945, 11: 156–60.—**Rankin, F. W., & Barton, W. E.** Present status of rehabilitation in the United States Army. J. Am. M. Ass., 1944, 125: 256–8.—**Thorndike, A.** The reconditioning program in the United States Army. Mil. Surgeon, 1945, 96: 227–9.—**Tindall, W. J.** Reconstruction work in the United States Army hospitals. Ibid., 1921, 48: 503–10.—**Titus, N. E.** Rehabilitation program at Lawson General Hospital. Bull. U. S. Army M. Dep., 1944, No. 75, 88–93.—**Titus'** (Lieut. Col.) rehabilitation program. Arch. Phys. Ther., 1943, 24: 498.—**War** Department fact sheet reconditioning and rehabilitation of United States soldiers. Med. Times, N. Y., 194x, 72: 172–8.

—— by countries: United States Navy.

United States. Navy. Bureau of Medicine and Surgery. The rehabilitation program of the Medical Department, United States Navy. 28p. 23cm. Wash., 1945.

—— Rehabilitation at the U. S. Naval Hospital, Philadelphia. 340p. 23cm. Wash., 1946.
Forms Suppl., U. S. Nav. M. Bull., March, 1946.

United States. Navy. Bureau of Medicine and Surgery and Bureau of Naval Personnel. Manual of educational and vocational counseling for use in rehabilitation program of the Medical Department, U. S. Navy. 23p. 26cm. Wash., 1945.

Mann, G. C. The Navy rehabilitation program. Ann. Am. Acad. Polit. Social Sc., 1945, 239: 66–72.—**Montgomery, H. H.** Rehabilitation in the Medical Department of the Navy. Occupations, 1944–45, 23: 443–6. ——— Rehabilitation in the Navy. Arch. Phys. M., 1945, 26: 214–9. ——— Rehabilitation; the first year as an organized feature of naval hospital routine. Hosp. Corps Q., 1945, 18: No. 3, 1–4. ——— Navy pre-discharge rehabilitation program. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 18–23. ——— Rehabilitation in the Navy. J. Internat. Coll. Surgeons, 1946, 9: 328–31.—**Patton, W. K., & Ullman, V.** First-hand view of rehabilitation. Hosp. Corps Q., 1945, 18: No. 3, 5–16.—**Rehabilitation;** reports from naval hospitals. . Ibid., 23–75.—**Rudd, J. L.** Observations on the rehabilitation of war wounded in a Navy physical medicine department. Arch. Phys. Ther., 1944, 25: 268–72.—**Sheldon, L.,** jr. Rehabilitation program of the Medical Department of the U. S. Navy. Bumed News Lett., Wash., 1944, 3: No. 10, 27–9.—**Warner, N., Raymond, G. A., & Jones, H. M.** The responses of patients in a naval hospital to occupational outlets. Occup. Ther. Rehabil., 1946, 25: 67–72.

—— by countries: United States Veterans Administration.

See also subheading (Veterans) also **Veterans Administration.**

United States. Veterans Administration. Technical bulletin TB 10A–3: Corrective physical rehabilitation in GMS hospitals. 2p. 27cm. Wash., 1946.

—— Technical bulletin TB 10A–20: General educational development tests; high school level, in medical rehabilitation programs, VA hospitals. 6p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–157: Instructions for the preparation and maintenance of the Medical Rehabilitation Summary record series, VA Forms 10–2528, 10–2528a. and 10–2528b. 10p. 27cm. Wash., 1948.

Bayer, C. F. Medical rehabilitation in the Veterans Administration. Arch. Phys. Ther., 1943, 24: 713–7.—**Brooke, C. R.** The rehabilitation program of the Veterans Administration. In: Princip. Occup. Ther. (Willard, H. S.) Phila., 1947, 399–407.—**Campbell, J. F.** Veterans Administration rehabilitation program. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 34–7.—**Cooley, M.** Rehabilitation activities of the Veterans Administration. Tr. Am. Neur. Ass., 1944, 70: 33–6.—**Covalt, D. A.** The medical rehabilitation program in the Veterans Administration. Occup. Ther. Rehabil., 1946, 25: 123–7. ——— Physical medicine and rehabilitation in the Veterans Administration. Arch. Phys. M., 1947, 28: 327–33.—**Hawley, P. R.** Newer concepts of medical rehabilitation in Veterans Administration hospitals. Bull. Am. Coll. Surgeons, 1947, 32: 275.—**Hines, F. T.** Vocational rehabilitation program of the Veterans Administration. Ann. Am. Acad. Polit. Social Sc., 1945, 239: 93–100.—**Knudson, A. B. C.** Activities of the Veterans Administration in rehabilitation. Occup. Ther. Rehabil., 1946, 25: 191–5. ——— The medical rehabilitation program of the Veterans Administration. Mil. Surgeon, 1947, 100: 323–9. ——— The need for physical medicine rehabilitation in general practice as indicated by the experience of the Veterans Administration. Texas Rep. Biol. M., 1948, 6: 302–20.—**Vocational** rehabilitation becomes a responsibility of the Veterans' Administration. Med. Bull. Veterans Admin., 1943–44, 20: 112.

REHABILITATION board.

United States. Veterans Administration. Technical bulletin TB 10A–13: Establishment of rehabilitation boards in VA general medical and surgical hospitals and tuberculosis hospitals. 4p. 27cm. Wash., 1946. Also Change 1 [1]p. 1947. Also Change 2 [1]p. 1947. Also Change 3 [1]p. 1947. Also Change 5 [1]l. 27cm. Wash., 1948.

REHABILITATION center.

See also **Rehabilitation,** Hospital technic.

United States. Army. Rehabilitation Center. Annual report. Fort Sheridan, 1943–

United States. Army Service Forces. Sixth Service Command. Rehabilitation Center. Annual report. Fort Sheridan [?] 1943–

Aitken, A. P. The rehabilitation centre. Rhode Island M. J., 1943, 26: 286–9.—**Bailey, L. D.** The rehabilitation unit. S. Barth. Hosp. J., Lond., 1944–45, 48: 55.—**Crawford, J. A.** The work at the Recruits' Physical Development Depot, Canterbury; the undersized recruit. J. R. Army M. Corps, 1939, 73: 1–39.—**Established** veterans rehabilitation centers. J. Am. M. Ass., 1944, 125: 795.—**Henderson, W. H.** Reconstruction at Fort McHenry. Carry On, Wash., 1919, 1: No. 10, 23–5.—**Manning, I. H., jr, & Milam, D. F.** Medical and nutritional survey of 800 N. Y. A. youths; experience at National Youth Administration Work Center in physical rehabilitation

of youths of draft age. South. M. J., 1943, **36**: 373–80.—**Norris, H. R.** The Testing and Advisement Center. N. York Univ. Med. Q., 1947–48, No. 3, 4.—**Rehabilitation** clinic for service men. N. York State J. M., 1943, **43**: 1772.—**Reys, J. H. O.** [The Recruits physical development depot at Canterbury] Mil. spectator, Haag, 1938, **107**: 319–23.—**Utilization** (The) of health resorts for military reconstruction. J. Am. M. Ass., 1943, **123**: 564.—**Veterans** Rehabilitation Center. Ibid., 1944, **126**: 1034.

REITER'S disease.

See under **Polyarthritis,** Reiter's type; also **Dysentery,** Manifestation.

REJECTION.

See also **Aviator,** Physical examination; **Disability; Height and weight; Neurocirculatory asthenia; Neuropsychiatric examination** (many subheadings) also **Fitness; Medical examination; Recruit.**

Edwards, H. R. The examination of rejectees. J. Lancet, 1943, **63**: 104–8.—**Information** and counselling service for rejectees. Dis. Nerv. Syst., 1944, **5**: 309–12.—**Nation's** (The) physical unfitness. N. York M. J., 1919, **109**: 646.—**Rosenzweig, S.** Emotional implications of military rejection and discharge. Psychiat. Q. Suppl., 1945, **19**: 11–9.—**Strohl, E. L.** The rejected draftee and his medical and social problems as they relate to the community. Illinois M. J., 1943, **83**: 263–5.

—— Causes.

See also **Aviator,** Physical examination: Findings; **Neurotic,** Discharge.

United States. Selective Service System. Medical statistics bulletin No. 2: Causes of rejection and incidence of defects. 41p. 26½cm. Wash., 1943.

Algunas afecciones quirúrgicas que hacen inútiles a los ciudadanos para el servicio; modificación de su reglamentación. Rev. san. mil., B. Air., 1921, **20**: 787–91.—**Britten, R. H., & Perrott, G. St. J.** Causes of physical disqualification under the Selective Service Law; early indications. Pub. Health Rep., Wash., 1941, **56**: 1017–21.—**Causes** of rejections of selectees at Army induction station. Am. M. Ass. News, 1942, Feb. 8, 1.—**Coulliaux, L.** L'articolo 56 nell'elenco delle infermità ed imperfezioni che sono causa di invalidità assoluta o temporanea al servizio militare. Ann. odont., Roma, 1917, **2**: 16–20.—**Fiske, C. N.** Rejection of accepted recruits. U. S. Nav. M. Bull., 1917, **11**: 427.—**Gazzera, P.** L'inabilità al servizio militare; le nuove tabelle. Italia san., 1930, **22**: No. 23, 3–13.—**Harries, C. V.** Résumé of causes for non-acceptance of, and for operative treatment considered necessary on new entries already passed as fit by civilian medical boards. J. R. Nav. M. Serv., 1947, **33**: 288–90.—**Hough, J. S.** Causes of rejections in selectees in relation to physical status in childhood. J. M. Ass. Alabama, 1941–42, **11**: 280.—**Lehman, E.** Why induction doctors rejected more than 20%. Bull. Onondaga Co. M. Soc., 1940–41, **5**: No. 5, 5.—**Leone, G. E.** Causes for rejection for entrance into the regular Army due to physical defects. Washington Univ. Dent. J., 1940–41, **7**: 47–50. Also J. Am. M. Ass., 1940, **115**: 1283.—**Mabbott, J. M.** Rejections of registrants at camp for physical causes. Ibid., 1918, **71**: 766.—**McKinlay, C. A.** Medical causes of rejection in Selective Service registrants. Minnesota M., 1942, **25**: 255–7.—**Park, F. S.** Causes of rejection from the Army and incidence of defects in recruits. Canad. M. Ass. J., 1944, **51**: 412–6.—**Physical** causes for rejection of registrants. J. Am. M. Ass., 1918, **70**: 171.—**Physical** rejections under Selective Service. Army M. Bull., 1941, No. 57, 10–2.—**Pleasants, H.,** jr. Forty-three percent, and why? Pennsylvania Health, 1942, **3**: No. 5, 22–7.—**Rejections** for military service. Med. Rec., N. Y., 1941, **154**: 83.—**Rowntree, L. G., McGill, K. H., & Edwards, T. I.** Causes of rejection and the incidence of defects among 18 and 19 year old Selective Service registrants. J. Am. M. Ass., 1943, **123**: 181–5.—**Ruiz Huidobro, R.** Causas de ineptitud para el servicio militar; su influencia en el desempeño en la vida civil: los porcentajes de ineptos en los últimos 5 años en la 5ª Región militar; el mejoramiento físico de los ciudadanos. Rev. san. mil., B. Air., 1944, **43**: 51–69.—**Solomon, A. P.** A follow-up study of selectees rejected for psychiatric reasons. Dis. Nerv. Syst., 1943, **4**: 78–81.—**Vervaeck, L.** La révision des tableaux des infirmités et des maladies qui exemptent du service militaire au point de vue anthropologique. Bull. Soc. anthrop. Bruxelles, 1914, **33**: 205–20.

—— Rehabilitation.

See also **Rehabilitation,** Recruits.

Coffey, E. R. Physical rehabilitation of registrants disqualified for duty with the Armed Forces; correction of general remediable physical defects. Tr. Conf. State Terr. Health Off., 1940, Spec., 111–3.—**D., D.** Rehabilitation of Selective Service rejectees. N. York J. Dent., 1942, **12**: 66.—**Director** of Selective Service asks for program to cut draft rejections. Illinois Dent. J., 1941, **10**: 487–90.—**Educational** qualifications and rehabilitation of rejected men. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 218–26.—**Hershey, L. B.** Physical rehabilitation of rejectees. Pennsylvania M. J., 1941–42, **45**: 504–7.—**Important** legal decision affecting hospital treatment of persons discharged from the draft. Med. Bull. Veterans Admin., 1940–41, **17**: 106.—**Levine, H.** The prospect of ocular rehabilitation of a group of rejected draftees. Optic. J., N. Y., 1941, **78**: No. 23, 29.—**One** out of 4 in draft unfit; Yale public health expert offers program. Mississippi Doctor, 1940–41, **18**: 640.—**Orr, D. W.** The rejected [Selective Service] registrant in the community. Bull. Menninger Clin., 1941, **5**: 184–7.—**Paull, D., Gregory, J. L., & Woodward, L. E.** Psychiatric rehabilitation of rejectees and men discharged from the Armed Forces. Ment. Hyg., Alb., 1945, **29**: 248–68.—**Perrott, G. St. J.** Physical rehabilitation of registrants disqualified for duty with the Armed Forces. Tr. Conf. State Terr. Health Off., 1940, Spec., 102–10.—**Physical** rehabilitation of rejected draftees. J. Iowa M. Soc., 1941, **31**: 549.—**Plan** to rehabilitate men rejected by Army because of physical defects announced; Ohio officials await instructions as to how program will operate. Ohio M. J., 1941, **37**: 1091–4.—**Plans** for rehabilitation of rejected draftees. J. Am. Dent. Ass., 1941, **28**: 1884. Also J. Am. M. Ass., 1941, **117**: 1364.—**Program** for rehabilitation of registrants rejected for dental defects under the Selective Act. Bull. Virginia Dent. Ass., 1941–42, **18**: 28.—**Quayle, J. H.** Reclamation of the rejected candidate for the Army. Mod. Hosp., 1917, **9**: 415–7. Also Tr. Am. Hosp. Ass., 1917, 186–9. ——— Reclamation of men rejected by the draft and its relation to life insurance. Proc. Ass. Life Insur. Presid., 1917, 152–62.—**Rehabilitation** [youths who have been rejected for military service] N. York State J. M., 1941, **41**: 2201.—**Rehabilitation** of rejected selectees. Ibid., 1942, **42**: 405.—**Rehabilitation** of rejectees. Optometr. Week., 1941–42, **32**: 1077.—**Rehabilitation** of selectees predicted at conference; men unqualified physically for military service will be put into camps to be doctored and fed. Science News Lett., 1941, **39**: 358.—**Repair** for defense; 400,000 out of 1,000,000 young men rejected from Army service because of disease or defect. Med. Care, 1941, **1**: 205–12.—**Reynolds, C. R.** The follow-up of men rejected for military service; the Pennsylvania Plan. Pennsylvania Health, 1941–42, **2**: No. 3, 35. ——— Rehabilitation and follow-up of Selective Service men rejected for military service. Mil. Surgeon, 1942, **90**: 232–7. ——— The medical and epidemiological management of Selective Service men rejected for military service. Ibid., 1943, **92**: 140–8.—**Rowntree, L. G., & Baggs, A. N.** Health of registrants and rehabilitation of rejectees. Annals, 1942, **220**: March, 81–8.—**Sheldon, W. H.** Rehabilitation of the rejected. N. York M. J., 1918, **107**: 1080; **108**: 703.—**Stover, E. M.** Helping 4-F's to vocational adjustment. Occupations, 1942–43, **21**: 519–21.—**Walker, E. T.** A health program for rejectees. Pub. Health Nurs., Utica, 1942, **34**: 97.—**Wark, D. L.** Rehabilitation gets first test; practical aspects of the federal program to pay M. D.'s for treating rejected draftees. Med. Econom., 1941–42, **19**: No. 6, 56.—**Woodward, L. E.** Social case-work in relation to Selective Service and the rejectee. Ment. Hyg., Alb., 1943, **27**: 370–89. ——— State and local planning in the light of federal provisions and clinical experience. Ibid., 1945, **29**: 261–8.

—— Statistics.

See also subheading (Causes) also **Recruiting statistics.**

Hoffman, F. L. Army anthropometry and medical rejection statistics. 114p. 8° Newark, 1918.

About 15 trainees in each 1,000 are rejected. J. Am. M. Ass., 1941, **117**: 941.—**Bauer, W. W.** An interpretation of draft rejection figures. Pennsylvania M. J., 1942–43, **46**: 204–7. Also J. Tennessee M. Ass., 1943, **36**: 61–5.—**Belot, M. L.** Problems of induction. J. Oklahoma M. Ass., 1943, **36**: 511–7.—**Bowley, A. J.** High rejection rate for North Carolina boys as seen at Fort Bragg. Tr. M. Soc. N. Carolina, 1924, **71**: 107–13.—**Cohen, L. H., & Challman, R. C.** A national survey of rejections for military service. Connecticut M. J., 1944, 8: 179–82.—**Draft** rejections statistics and the nation's health [A. M. A. Public Relations release] Nebraska M. J., 1944, **29**: 356–60.—**Fifteen** trainees in each 100 rejected. J. Am. M. Ass., 1941, **117**: 1109.—**Friedman, M. H.** New draft rejection study refutes shocking national health. Med. Econom., 1946–47, **24**: No. 12, 83–7.—**Koontz, A. R.** Are Selective Service rejections an index of the state of our national health? Tr. South. Surg. Ass. (1941) 1942, **54**: 411–20.—**Menninger, W. C.** The number of men rejected. In his Psychiat. in a Troubled World, N. Y., 1948, 281–3.—**O'Neil, W.** 750,000 unwanted men. Hygeia, Chic., 1943, **21**: 650; 692.—**One** third of Army applicants rejected for physical reasons. Connecticut M. J., 1940, **4**: 765.—**One** third of our defenders. Nassau M. News, 1941, **15**: 1.—**Perrott, G. S.** Selective Service rejection statistics and some of their implications. Am. J. Pub. Health, 1946, **36**: 336–42.—**Preliminary** findings on examinations of selectees; sample analysis shows why 50 percent of first 2,000,000 men were rejected for general military service. California West. M., 1942, **56**: 362.—**Reading** the rejection rate. J. M. Soc. N. Jersey, 1942, **39**: 58.

RELAPSING fever.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Relapsing fever. 6p. 27cm. Orlando, 1944.
Forms Pt 11, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F. U. S.

Billet, A. Un cas de typhus récurrent à Constantine. Arch. méd. pharm. mil., 1902, **39:** 228–36.—**Boldyrev, T.** Vozvratnyj tif (typhus recurrens) In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 959–68.—**Dillon, J. A., & Fischer, W. J. H.,** jr. Observations on relapsing fever. Field M. Bull. U. S. Army, N. Delhi, 1944, **3:** 92–5.—**Fisher, D. W., & Edelman, M. H.** Tick-borne relapsing fever; a case report. Bull. U. S. Army M. Dep., 1947, **7:** 901–3.—**Folly.** Note sur un cas de fièvre récurrente. Bull. Soc. méd. mil. fr., 1914, **8:** 441–3.—**Martoglio, F.** Febbre ricorrente africana. Gior. med. mil., 1931, **79:** 53–70.—**Rallo Colandrea, T.** Un caso de fiebre recurrente africana. Rev. san. mil., Madr., 1918, 3. ser., **8:** 255–61.—**Ruge, H.** Rückfallfieber. In: Wehrhygiene (Handloser, S.) Berl., 1944, 61.—**Taft, W. C., & Pike, J. B.** Relapsing fever. Air Surgeon Bull., 1945, **2:** 413.—**Valdivieso Conde, L.** Estudio clínico de la fiebre recurrente. Med. & cir. guerra, 1949, **11:** 379–88.—**Werner, H.** Das Rückfallfieber als Kriegsseuche. Med. Welt, 1939, **13:** 1478–80.—**Wright, H. W.** Relapsing fever. In: Prev. Med. in World War II, Wash., 1948, **8:** 207.

—— Incidence.

Coghill, N. F. Clinical manifestations of tick-borne relapsing fever with special reference to the disease in Cyprus. J. R. Army M. Corps, 1949, **93:** 2–33.—**Cohen, A. G.** Relapsing fever in Panama; report of 6 cases. War Med., Chic., 1945, **7:** 19–22.—**Confalone, R.** Cenni epidemiologici sul tifo ricorrente Obermeyer in Eritrea. Gior. med. mil., 1936, **84:** 640–2.—**Costa, F.** Epidemia di febbre ricorrente africana constatata nel Tigre settentrionale (Adua e Axum) Ibid., 1928, **76:** 633–7.—**Friant, H., & Cornet, P.** Quelques cas de fièvre récurrente dans le département de Constantine. Arch. méd. pharm. mil., 1904, **44:** 421–35.—**Greaves, F. C., Gezon, H. M., & Alston, W. F.** Studies on louse-borne relapsing fever in Tunisia. U. S. Nav. M. Bull., 1945, **45:** 1029–48.—**Madon.** Remarques cliniques sur la fièvre récurrente mondiale au Maroc. Bull. Soc. méd. mil. fr., 1946, **40:** 157–61.—**Massa, F.** Episodio epidemico di febbre ricorrente nella Somalia italiana. Gior. med. mil., 1936, **84:** 107–13.—**Mattei, A.** La febbre ricorrente nella Somalia Italiana. Ann. med. nav., Roma, 1933, **39:** pt 1, 49–75, ch.—**Morrison, R. J. G.** Some cases of relapsing fever in Palestine. J. R. Army M. Corps, 1937, **68:** 86–94.—**Nicolle, C., Anderson, C., & Le Chuiton, F.** Sur l'existence, en Tunisie, de la fièvre recurrente espagnole. Arch. méd. pharm. nav., 1931, **121:** 225–7.—**Ohhasi, S.** Tyū-Si ni okeru kaikinetu ni tuite [Recurrent fever in Central China] Gun idan zassi, 1943, 1101–7.—**Provost, C., & Flandrin, J.** Trois nouveaux cas de fièvre récurrente hispano-africaine en Tunisie (complications neuro-oculaires) Rev. méd. nav., Par., 1947, **2:** 139–45.—**Vallana, A.** Un'epidemia di febbre ricorrente nei prigionieri austriaci del distaccamento di Salussola. Gior. med. mil., 1919, **67:** 610.—**Vivaldi, G.** Di un caso di febbre ricorrente da spirochete osservato in Sardegna. Ann. med. nav., Roma, 1946, **51:** 149–54.—**Yersin, A.** Note sur un cas de fièvre récurrente observé en Indo-Chine. Caducée, Par., 1906, **6:** 202.

—— Pathology.

Angelini, G. Insufficienza di metodi biopsici (puntura del midollo osseo, della milza e del fegato) per la diagnosi di febbre ricorrente. Gior. med. mil., 1937, **85:** 273–9.—**Balfour, A.** The spirochæte of Egyptian relapsing fever; is it a specific entity? J. R. Army M. Corps, 1910, **15:** 454–66.—**Golubov, G. V.** Izmenenie morfologićeskago sostava krovi pri vozvratnom tife. Voen. med. J., S. Peterb., 1910, **221:** Med. spec. pt, 26–35.—**Legerton, C. W., & Chambers, W. L.** Spontaneous rupture of the spleen in relapsing fever. U. S. Armed Forces M. J., 1950, **1:** 88–90.—**Moise, R.** Ricerche epidemiologiche e sperimentali sulla trasmissione e patologia della febbre ricorrente in Somalia, 1932–37.—Ann. med. nav., Roma, 1938, **44:** 315–27.—**Patanè, C.** La febbre ricorrente da Spirochaeta Duttoni. Gior. med. mil., 1931, **79:** 71–85.

—— Treatment.

Ingraham, H. S., & Lapenta, R. G. Penicillin in the treatment of louse-borne relapsing fever. U. S. Nav. M. Bull., 1946, **46:** 1719–23.—**Kovaleff, M. O.** Five cases of relapsing fever treated with penicillin, March 1944. Field M. Bull. U. S. Army, N. Delhi, 1944, **3:** 124.—**Shaul, J. F., & Saferstein, T. H.** Penicillin therapy in relapsing fever; report of four cases. U. S. Nav. M. Bull., 1947, **47:** 238–43.—**Tollefsen, A. D.** Relapsing fever. Med. Bull. Veterans Admin., 1935, **12:** 84.—**Wanhill.** Relapsing fever; a rough but effective method of dealing with the louse in India. J. R. Army M. Corps, 1919, **33:** 178–80.

RELEASE.

See under **Physician.**

RELIEF.

See also **Civil rights; Dependent; Food supply,** postwar; **Occupied area; Physician,** Relief fund; **Prisoner of war,** Relief; **War relief.**

Flanner, P. D. The effect of the defense program on our relief needs. Alabama Social Welf., 1941, **6:** No. 7, 6–8. ——— The defense program and relief needs. Proc. Nat. Conf. Social Work., 1941, **68:** 357–64.—**Granjux.** Le secours de guerre à la famille médicale. J. méd. chir., Par., 1915, **86:** 491–5.—**Kettle, F. C.** War activities and public assistance. Welf. Bull., Springf., 1942, **33:** No. 2, 17.—**Office** of foreign relief and rehabilitation operations. J. R. Army M. Corps, 1944, **82:** 48.—**Problemáticos** (Los) beneficios de la guerra. Bol. Of. san. panamer., 1943, **22:** 642–4.—**Smith, C. M.** War civilian security program. Northwest M., 1943, **42:** 165–7.—**Social** expenditure and the war. J. Am. M. Ass., 1942, **119:** 1382.—**War** (The) Charities Act, 1939. Bull. Vancouver M. Ass., 1940–41, **17:** 294.—**War** (The) work of the Society of Friends. J. Am. M. Ass., 1943, **121:** 534.—**Woofter, T. J.,** jr. Civilian war aid. Social Work Yearb., N. Y., 1943, **7:** 125–30.

—— Europe.

See also subheadings (medical; Red Cross) **United Nations Relief and Rehabilitation Administration** (UNRRA)

Cathala. For European relief; France of to-day. Nurs. Times, Lond., 1944, **40:** 284.—**Ellis, A. R.** For European relief; organization of relief in the field. Ibid., 348.—**Godlowska, I.** For European relief; Polish testimony. Ibid., 4; 27.—**Jansens.** For European relief; Belgium, the buffer state. Ibid., 40–2.—**Joles, S.** For European relief; Holland, the land scalloped from the sea. Ibid., 116, &c. ——— For European relief; Holland under German occupation. Ibid., 232–4.—**Kodicek, E.** Post-war relief as a starting point to post-war world reconstruction. Advance. Sc., Lond., 1942, **2:** 91.—**Koo, W., Noel-Baker, P.** [et al.] Science and post-war relief. Ibid., 80–93.—**Marrack, J. R.** Relief and rehabilitation. London Hosp. Gaz., 1943–44, **47:** 10–3. ——— **Evang, K.** [et al.] Relief in Europe. Lancet, Lond., 1943, **2:** 646.—**Murphy, A.** For European relief; Yugoslavia. Nurs. Times, Lond., 1944, **40:** 202.—**Noll, A.** Family health and post-war relief. Advance. Sc., Lond., 1942, **2:** 90.—**Organization** of post-war relief in Europe. Nature, Lond., 1942, **150:** 305–7.—**Paskuszova, M.** For European relief; where East meets West. Nurs. Times, Lond., 1944, **40:** 60; 80.—**Preparations** for the relief of Europe after the war [Great Britain] J. Am. M. Ass., 1943, **122:** 53.—**Pye, E. M.** For European relief; past experience and points for the future. Nurs. Times, Lond., 1944, **40:** 214–6.—**Relief** of distress in the professions. Brit. M. J., 1943, **2:** 277.—**Relief** in Europe after the War of 1914–18. Nature, Lond., 1943, **152:** 194.—**Relief** and reconstruction in Europe. Brit. M. J., 1944, **2:** 566.—**Russian** War Relief, Inc. J. Am. M. Ass., 1944, **124:** 582.—**Schweizerische** Hilfe für das notleidende Griechenvolk. Praxis, Bern, 1943, **32:** 291.—**Science** and post-war relief. Nature, Lond., 1941, **148:** 456.—**Struthers, R. R.** Post-war child relief in Europe. Canad. M. Ass. J., 1943, **48:** 15o.—**Women's** Medical Association sends funds to England. J. Am. M. Ass., 1941, **116:** 844.

—— medical.

See also other subheadings.

Mackenzie, M. D. Medical relief in Europe. 2. impr. 67p. 20cm. Lond., 1942.
Also Lancet, Lond., 1943, **1:** 183.

American Women's Hospitals; report of the War and Medical Service Committee. Women in Med., 1943, No. 81, 22–4.—**Arnstein, M. G., & Kerze, T.** Nursing in foreign relief and rehabilitation. Pub. Health Nurs., Utica, 1943, **35:** 655–8.—**Goodman, N. M.** Medical relief in Europe. S. Thomas Hosp. Gaz., Lond., 1944, **42:** 97. ——— Medical relief for Europe. Pharm. J., Lond., 1945, **100:** 174.—**Mackenzie, M. D.** Medical relief in Europe. Lancet, Lond., 1943, **1:** 183. ——— Problems of medical relief in the immediate post-war phases. Dent. Rec., Lond., 1944, **64:** 88. ——— A study of the potentialities of international collaboration in medicine in the post-war world; in the immediate post-war phases, problems of medical relief. J. R. Inst. Pub. Health, 1944, **7:** 90–101. ——— Some problems of European medical relief. Middlesex Hosp. J., 1944, **44:** 5.—**Marteau, A., Kruta, V.** [et al.] Medical relief in freed Europe. Lancet, Lond., 1943, **2:** 461.—**Medical** supplies for Britain. Med. Ann. District of Columbia, 1941, **10:** 71.—**Medical** supplies for England. J. Am. M. Ass., 1940, **115:** 1806.—**Medical** and Surgical Relief Committee of America. Med. Woman J., 1941, **48:** 286.—**Medical** war relief fund; twentieth list. Brit. M. J., 1941, **2:** Suppl., 30.—**Stone, R. F.** Cleveland's role in medical war relief. Cleveland M. J., 1917, **16:** 259–71.—**White, N.** Mackenzie, M. D.: Medical relief in Europe; questions for immediate study [Bk. Rev.] Bull. Hyg., Lond., 1943, **18:** 262.—**Winters, C.** U. S. sending medical teams to liberated countries; administrators will help native doctors re-establish services. Med. Econom., 1943–44, **21:** No. 2, 55.

—— **nutritional.**

See also **Nutrition survey.**

SCHONFELD, M. Nutrition problems in relief and rehabilitation planning for the post-war era. 30p. 22½cm. N. Y., 1944.

SURFACE, F. M., & BLAND, R. L. American food in the World War and reconstruction period. 1033p. 4° Stanford Univ., 1931.

Feeding liberated countries and nutrition education. Bull. U. S. Nat. Res. Counc., 1943, No. 108, 162–4.—**Gorvin, J. H.** Some aspects of the post-war feeding of Europe. Proc. R. Inst. Gr. Britain, 1941–42, **32:** 153–80.—**Hammond, J.** Problems of production in relation to post-war nutritional relief. Proc. Nutrit. Soc., Cambr., 1944, **2:** 190–6.—**Hendrickson, R. F.** The problem of relief in liberated countries. J. Am. Diet. Ass., 1944, **20:** 763–5.—**Holman, B.** Experiences of an American dietitian and nutritionist in post-war work in Warsaw, Poland [1922–23] Med. Woman J., 1943, **50:** 310–3.—**Marrack, J. R., & Hammond, J.** Nutritional relief after the war. Brit. M. J., 1943, **2:** 758.—**Mitchell, H. S.** Planning foods for foreign relief. J. Am. Diet. Ass., 1943, **19:** 820–3.—**Nutrition** Council; postwar relief of the devastated countries. J. Am. M. Ass., 1942, **120:** 855.—**Post-war** nutritional relief in Europe. Nature, Lond., 1943, **152:** 615–7.—**Powers, E. H.** To 26 Exchange Place. Red Cross Courier, 1940–41, **20:** No. 7, 23; passim.

—— **Red Cross.**

AMERICAN NATIONAL RED CROSS. War relief abroad. 38p. 23cm. Wash., 1941.

—— Red Cross reports on third anniversary of war on aid to 20,000,000 foreign war victims. 3 numb. l. 28cm. Wash., 1942.

—— ARC [circular] 314: Foreign war relief; September 1, 1939–December 31, 1942. 32p. 22cm. Wash., 1943.

—— Five war years of civilian war relief by and through American Red Cross, September 1, 1939 to January 1, 1945. Rev. Dec. 1944. 8p. 23cm. Wash., 1944.

—— ARC circular 319: Overseas emergency relief, September 1, 1939 to June 1, 1946. Rev. ed. 14p. 23cm. Wash., 1946.

AMERICAN NATIONAL RED CROSS. COMMISSION FOR BELGIUM. Croix-Rouge américaine; l'oeuvre pour la Belgique; sommaire des activités de la Commission pour la Belgique. 57p. 8° Brux., 1918.

AMERICAN NATIONAL RED CROSS. COMMISSION TO GREECE. Final report Department of civilian relief; exclusive of the districts of the Aegean Islands and Eastern Macedonia. 28p. 8° Athens, 1919.

—— Relief work among the Aegean Islands. 34p. 8° Athens, 1919.

BICKNELL, E. P. In war's wake, 1914–15; the Rockefeller Foundation and the American Red Cross join in civilian relief. 276p. 20cm. Wash., 1936.

PICKETT, S. E. The close of the Foreign Emergency Relief Program. p.1077–132. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922.

Action de la Commission mixte de secours de la Croix Rouge internationale en faveur des femmes et des enfants victimes de la guerre. Rev. internat. Croix Rouge, 1941, **23:** 659–71.—**Action** de la Commission mixte de secours de la Croix-Rouge internationale en faveur des populations civiles, notamment des femmes et des enfants victimes de la guerre. Ibid., 1942, **24:** 563–70.—**Action** en faveur des femmes et des enfants victimes de la guerre. Ibid., 234–42.—**Action** by the Joint Relief Commission of the International Red Cross for the benefit of women and children victims of the war. Bull. League Red Cross Soc., 1941, **22:** 54; 1942, **23:** 3.—**Activité** de la Commission mixte de secours de la Croix-Rouge internationale en faveur de la Grèce; des vêtements et des chaussures pour les enfants grecs. Rev. internat. Croix Rouge, 1944, **26:** 697–9.—**Activité** de la Croix-Rouge française dans les régions soumises aux risques des bombardements. Ibid., 1941, **23:** 772–7.—**Activité** générale de la Commission mixte de secours de la Croix-Rouge internationale et son action en Yougoslavie. Ibid., 1945, **27:** 194–210.—**Allen, R.** Red Cross relief in Europe. Advance. Sc., Lond., 1942, **2:** 85.—**America** helps England. Red Cross Courier, 1940–41, **20:** No. 7, 16.—**Britten, M. H.** Joint relief plans for Far East. Ibid., 1943–44, **23:** No. 7, 19.—**Civilian** war aid. Annual Rep. Am. Nat. Red Cross, 1941–42, 42–4.—**Commission** mixte de secours de la Croix-Rouge internationale. Rev. internat. Croix Rouge, 1943, **25:** 320–5.—**Commission** mixte de secours de la Croix-Rouge internationale; action de secours en faveur de la Norvège, novembre 1943–mars 1944. Ibid., 1944, **26:** 398–409.—**Commission** mixte de secours de la Croix-Rouge internationale; secours aux enfants en Serbie. Ibid., 1943, **25:** 978–90.—**Co-operation** between the national Red Cross societies for the benefit of civilian war victims. Bull. League Red Cross Soc., 1942, **23:** 35–45.—**Dons** pour les réfugiés et les évacués en France. Rev. internat. Croix Rouge, 1940, **22:** 665–8.—**European** war relief. Red Cross Courier, 1940–41, **20:** No. 3, 18; No. 7, 19.—**First-hand** report on war relief in Europe. Ibid., 1939–40, **19:** No. 8, 3–8.—**Foreign** war relief. Annual Rep. Am. Nat. Red Cross, 1939–40, 91; 1941–42, 76.—**Kean, J. R.** Europe's lesson in war relief. Am. Red Cross Mag., 1916, **11:** 111–3.—**Kellogg, P. U.** Four months in France; an interpretation of the American Red Cross; the sinews of war relief. Survey, N. Y., 1917–18, **39:** 320–2.—**Knight, R.** Mercy ship sails for Europe. Red Cross Courier, 1940–41, **20:** 3–5.—**Libby, V. K.** Civilian relief abroad. Ibid., 1943–44, **23:** No. 7, 6; 12.—**Lucas, W. P.** Work of the Children's Bureau, Department of Civil Affairs, American Red Cross, France. J. Am. M. Ass., 1918, **71:** 359–65.—**Mission** du Comité international de la Croix-Rouge dans les pays danubiens. Rev. internat. Croix Rouge, 1943, **25:** 530–6.—**Note** sur l'activité de la Commission mixte de secours de la Croix-Rouge internationale. Ibid., 1941, **23:** 899–901.—**Oeuvre** de secours en faveur de la population civile hellénique. Ibid., 1942, **24:** 570–5, 8 pl.—**Oeuvre** de secours en faveur de la population des îles grecques de Chios, Inoussai, Samos, Furni et Icaria. Ibid., 1943, **25:** 960–5.—**Oeuvre** de secours en faveur de la population des îles grecques de Chios, Samos, Nicaria et Mytilène. Ibid., 1942, **24:** 741–6, 8 pl.—**Powell, J. B., & Gould, G.** What our Red Cross dollars do for China. Red Cross Courier, 1939–40, **19:** No. 8, 13–7.—**Red Cross** diary; a chronological summary of American Red Cross effort to allay war suffering. Ibid., 1942–43, **22:** No. 8, 27.—**Red Cross** gifts from U. S. A. Brit. M. J., 1940, **2:** 500.—**Red Cross** ships ten ambulances to Finland. Red Cross Courier, 1939–40, **19:** No. 8, 23.—**Relief** for civilian war victims; relief work carried on by national Red Cross societies. Bull. League Red Cross Soc., 1942, **23:** 6–10.—**Relief** for countries at war. Ibid., 1941, **22:** 71.—**Relief** for women and children in European countries affected by the war. Ibid., 19–21.—**Relief** work undertaken by the national Red Cross societies. Ibid., 61.—**Report** of Committee on Dental and Oral Red Cross Relief Work in Europe. Proc. Am. Inst. Dent. Teachers, 1916, **23:** 105–9.—**Ryan, P. E.** News from the International Red Cross. Red Cross Courier, 1940–41, **20:** No. 6, 23.—**Service** des secours du Comite international [Illustr.] Rev. internat. Croix Rouge, 1943, **25:** opp. p. 384.—**Suisse;** oeuvre de secours en faveur des enfants grecs. Ibid., 421, 4 pl.—**Swift, E. J.** A summary of Red Cross war relief abroad. Red Cross Courier, 1940–41, **20:** No. 10, 5–8.———— Address; Red Cross foreign war relief. Summary Proc. Am. Red Cross, 1941, 22–7.—**Teleky, P.** L'assistance aux victimes de la guerre en Hongrie. Rev. internat. Croix Rouge, **1:** 23–36.—**War** relief abroad. Red Cross Courier, 1941–42, **21:** No. 5, 25; No. 7, 25.—**War** relief abroad; for 30-day period ending March 15th. Ibid., 1940–41, **20:** No. 10, 27.—**War** relief production. Annual Rep. Am. Nat. Red Cross, 1939–40, 68–71.

RELIEF Act.

See **Civilian Relief Act.**

RELIGIOUS order.

See **Nursing order.**

RELIGIOUS service.

See also **Chaplain; Hospital service; Prisoner of war.**

Festividad (La) de Nuestra Señora de la Merced; su celebración en el Hospital militar central, Buenos Aires. Rev. san. mil., B. Air., 1942, **41:** 613.—**Hörler.** Ueber die Tätigkeit des Feldpredigers im Feldlazarett im Kriege. Militärsanität, Zür., 1944, **26:** 57.—**Johnson, F. E.** The impact of the war on religion in America. Am. J. Sociol., 1942–43, **48:** 353–60.

RELOCATION.

See **Physician.**

REMOUNT.

See also **Horse; Remount service.**

Franklin, A. V. A temporary remount depot. Army Vet. Bull., 1942, **36:** 136–41.—**Newport, G. T.** A remount depot in Italy. J. R. Army Vet. Corps, 1944–45, **16:** 148–51.—**Spassky, V., Poliakov, N., & Bogin, L.** Remontnye masterskie. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1090–3.

REMOUNT service.

See also **Remount; Transportation,** Animals.

Conreur, C. Cavalos para o exercito; serviço de remonta; registros genealogicos. Bol. Soc. brasil. med. vet., 1938, **8:** 270–5.—**Indian** Army remount and veterinary services. Ind. Vet. J., 1949–50, **26:** 94–103.

RENAL function.

See **Kidney;** also under **Cold environment.**

REPAIR.

See **Denture,** Repair.

REPAIR shop.

See under **Equipment laboratory.**

REPAIR unit.

See under **Optical unit.**

REPATRIATION.

See also subheadings of **Prisoner of war** (Psychiatric aspect; Repatriation) also **Malaria,** Veterans.

Charvát, J. Některé lékařské zkušenosti s repatrianty, Cas. lék. česk., 1946, **85:** 1763–5.—**Denéchau.** Un centre de rapatriement maritime, le centre de Cherbourg. Paris méd., 1919, **32:** annexe, 103–5.—**Fischbach, W. M.** Cardiac and electrocardiographic observations on American prisoners of war repatriated from Japan. U. S. Nav. M. Bull., 1948, **48:** 69–75.—**Jones, M., & Tanner, J. M.** The clinical characteristics, treatment, and rehabilitation of repatriated prisoners of war with neurosis. J. Neur., Lond., 1948, **11:** 53–60.—**Love, W. G.** Repatriation of wounded in West Africa. J. R. Army M. Corps, 1945, **84:** 270.—**Murray, F. J.** War time experiences on land and ocean. Nova Scotia M. Bull., 1943, **22:** 12–8.—**Rodenwaldt.** Malariagefährdung der deutschen Bevölkerung durch heimkehrende Soldaten. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 117–9.—**Tanner, J. M., & Jones, M.** The psychological symptoms and the physiological response to exercise of repatriated prisoners of war with neurosis. J. Neur., Lond., 1948, **11:** 61–71.—**Van Bergen, T. M.** Eye findings in repatriated prisoners of war from the Far West. Rocky Mountain M. J., 1947, **44:** 818.

REPELLENT.

See **Insecticide,** Repellent; **Leech repellent; Mosquito control; Rodenticide** [and repellent]

REPLACEMENT depot [incl. training center]

See also **Neuropsychiatric examination,** Screening; **Physical training; Training.**

Halloran, R. D., & Farrell, M. J. Neuropsychiatrists in the U. S. Army; their functions in general and in relation to replacement training centers. Army M. Bull., 1943, No. 65, 151–6.—**Marder, S. H., & Maloney, R. M.** Replacement depot for fighter pilots. Air Surgeon Bull., 1945, **2:** 56.—**Stilwell, L. E., & Schreiber, J.** Neuropsychiatric program for a replacement training center. War Med., Chic., 1943, **3:** 20–9.

REPORT.

See also **Casualty,** Reporting; **Medical examination,** Reporting; **Record;** also **Hospitalization.**

United States. Navy. Medical Field Service School. A guide to the preparation of sanitary reports and regulations. 57p. 28cm. N. River, 1944.

United States. Veterans Administration. Technical bulletin TB 10A–36: Instructions for preparation of Monthly Report of Out-Patient Medical Activities, VA Form 10–7305 (Mar. 1947) 16p. 27cm. Wash., 1947.

—— Technical bulletin TB 10A–68: Revised instructions for the reporting on recurring medical reports of man-hours worked. 2p. 27cm. Wash. 1947.

United States. War Department. Army Regulations No. 40–1005; Medical Department: Reports, returns, and records. 8p. 8°. Wash., 1925. Also another edition. 2p. 8°. Wash., 1930.

—— No. 40–1010: Dental reports, returns, and records. 7p. 8°. Wash., 1925.

Buckner, J. F. Hospital Corps reports and returns. Hosp. Corps Q., 1944, **17:** 67–76.—**How** war bulletins may affect clinical reports. War Doctor, 1943–44, **2:** No. 2, 7.—**Lipscomb, T. H., & Carey, J. H.** Time saving procedure in writing multiple copy reports. Hosp. Corps Q., 1943, **16:** No. 4, 97.—**Medical** reporting system of the G. A. F. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 11c, 1–49.—**Plummer, R. W.** A form for daily sanitary reports. U. S. Nav. M. Bull., 1918, **12:** 255.—**Reports** and returns [U. S. Navy] In: Manual M. Dep. U. S. Navy, Wash., 1942, 487–507.—**Wade, E. W., & Deane, H. R.** A medical appreciation. J. R. Army M. Corps, 1929, **53:** 351–60.

REQUIREMENT.

See such terms as **Nutrition,** Caloric and other requirements; **Oxygen requirement,** etc.

RESCUE.

See also **Aircraft crashing; Cold exposure,** Immersion in water; **Crashing; Diver; Operation,** arctic; **Shipwreck.**

Pecora, J. S., & Bollerud, J. A method of preventing the freezing of fluids during Arctic field rescue work. 4 l. 27cm. Ladd Air Force Base, 1948.

Forms Proj. 13, U. S. Air Force Arct. Aeromed. Laborat.

United States. National Defense Office. Medical Division. Rescue Section. Publication No. 2216: A technical manual for the rescue service. 142p. 23½cm. Wash., 1943.

Berry, H. M. Search and rescue in China. Air Surgeon Bull., 1945, **2:** 354.—**Gabel, G.** The miraculous rescue of children; the O. S. E. under the German occupation in France, 1940–44. Am. OSE Rev., 1948, **5:** 30–9.—**German, E., & Savichev, I.** Spasanie na more. In: Encikl slovar voen. med., Moskva, 1946–48, **5:** 240–8.—**Henry, C. D., & Coble, H. L.** Crash-rescue procedures. Air Surgeon Bull., 1944, **1:** No. 9, 10.—**Lafontaine, W. L.** Greenland rescue of soldiers. Hosp. Corps Q., 1944, **17:** No. 5, 65.—**Office** of Civilian Defense expands rescue service. Press Release Med. Div. U. S. Off. Civ. Defense, 1943, May, 1.—**Preliminary** instructions for procedure when making emergency landings in the desert. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 9e, 1–9.—**Savichev, I.** Spasanie na more; spasanie ljudej s zatonuvšej podvodnoj lodki. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 246–8.

—— Air-sea rescue.

Harrison, R. W. An analysis of a random sample of Navy air-sea rescues. 44p. 27cm. Pensacola, 1946.

Forms Rep. No. 1, Proj. No. X–695, Res. Rep. U. S. Nav. School Aviat. M.

Rupp, E. V. Oxygen and air-sea rescue equipment in the European Theatre of Operations. 15 l. 28cm. Dayton, 1944.

Forms No. ENG–49–660–14–A–10, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Air-sea rescue. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 54–9.—**Care** of rescued personnel at the Staffel airdrome. Ibid., App. 3d, 1.—**Craig, P. E.** Physical and psychological aspects of ditching. Air Surgeon Bull., 1945, **2:** 41.—**Dohrman, H.** Air-sea search and rescue. Ibid., 40.—**German** air-sea rescue; procedures. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 9c, 1–10.—**Improvised** Stokes stretcher floats for air-sea rescue. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 3.—**Instructions** for the use of the rescue buoy of the Inspector General of Equipment. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 9f, 1–4.—**Introductory** instructions for maintenance in sea distress accidents; Air publication 1203. Ibid., App. 9d, 1–15.—**Jacobs, W. R.** Rescue program in the Alaskan Division, ATC. Air Surgeon Bull., 1945, **2:** 340.—**Kintner, M. Q.** Air-sea rescue operations. Contact, Pensacola, 1944–45, **4:** 352–60.—**Mazer, M.** Medical problems in air-sea rescue. Air Surgeon Bull., 1945, **2:** 348.—**Medical** service to the Seenotdienst, Air-sea rescue service. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 3d, 1.—**Rescue** methods employed by the Seenotdienst-staffel, air-sea rescue Staffel. Ibid., 1.—**Smith, J. J.** Medical aspects of air-sea. rescue. In: Interallied Conf. War Med. (1942–45) 1947, 42- 4.—**Special** protective garment for aviators;

Seenotschutzgerät. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 3h, 1–3.—**Steiner, M.** Treatment of survivors. Hosp. Corps Q., 1945, **18**: No. 5, 11–3.—**Use** of air-sea and air-ground rescue equipment. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 44.

RESCUE kit.

See **Emergency kit.**

RESCUE ship.

McNee, J. W. Convoy rescue ships. J. R. Nav. M. Serv., 1945, **31**: 1–7.—**Wilkins, R. D.** Convoy rescue ships. In: Interallied Conf. War Med. (1942–45) 1947, 320–6.

RESEARCH.

See also **Office of Scientific Research and Development; Science; Systems research.**

—— aeromedical.

See also **Acceleration,** Research methods; **Altitude; Aviator,** Neuropsychiatry; also under specific aeronautical terms.

Lovelace, W. R., II, & Gagge, A. P. Future trends of research in aviation medicine. p.1–114. 27½cm. Wright Field, 1946.

In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946.

Lovelace, W. R., II, & Wulff, V. J. Summary of German aviation medical research. 50p. 27cm. Dayton, 1946.

Forms No. TSEAA–660–99, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Air Force. Medical Service [Research and development in aviation medicine] MS. 1v. in 4. 1663p. [Before Nov. 1948]

In Histor. Div. SGO U. S. Army.

Aviation medical research. Hosp. Corps Q., 1945, **18**: No. 10, 13–8.—**Developmental** projects of Dr Ing. F. Hollmann. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1h, 5.—**Evaluation** of targets investigated and summary of information obtained pertaining to research in aviation medicine for the German Air Force. Ibid., App. 14b, 1–43.—**Flight** research. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 100.—**Grow, M. C.** Research in aero-medicine. Mil. Surgeon, 1947, **100**: 123–5. —— Future research in aviation medicine. Ibid., 205–7.—**Haber, H.** Validation of prism divergence measurement at the distance of thirteen inches; plan of research. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 40.—**Incidence** and treatment of infectious diseases; bacteriological warfare; aviation medicine and psychiatry. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14c, 1–15.—**Index** of German aeromedical research workers. Ibid., App. 12a, 1–8.—**Ivy, A. C.** The future of research in aviation medicine. J. Aviat. M., 1946, **17**: 280–9.—**Japanese** aviation medicine. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14k, 3.—**List** of Japanese Aero-Medical Research Publications; content and disposition. Rep. Air Techn. Intellig. U. S., Tokyo, 1945, No. 241, 1–7.—**Lovelace, W. R., II, & Gagge, A. P.** Aero medical research today and tomorrow; a summary and review. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 1–4. —— Research in clinical medicine and dentistry. Ibid., 76–83, illust.—**Medical** research in the AAF. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 11, No. 1, 1.—**Medical** research on problems of equipment. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 27.—**Otological** research in the R. C. A. F. J. Canad. M. Serv., 1946–47, **4**: 22–32.—**Pilot** candidate selection research program. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 32; 1948, Jan., 17.—**Research** in aviation medicine. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 45.—**Researches** in blinding by instrument-light. Ibid., App. 14d, 11.—**Researches** in capillary system essentially considering pilot's fatigue and nutrition. Ibid., 12.—**Research** on medical aspects of aircraft design and on development and application of prosthetic appliances. Ibid., App. 14e, 1–3.—**Sheeley, W. F., Adler, H. F.** [et al.] Selection of appropriate terminology for aeromedical resea ch reporting. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 25; passim; 1949, Jan., 23.—**Walbank, A.** British medical research in aviation. Mil. Surgeon, 1945, **96**: 322–5.—**Whittingham, H. E.** Medical research and aviation. Proc. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 95–103. Also J. R. Nav. M. Serv., 1940, **26**: 15–24.

—— aeromedical: Organization.

See also **Research board; Research institute; Research laboratory.**

Great Britain. Flying Personnel Research Committee. FPRC [reports] Lond., No. 2, 1939–

Great Britain. Flying Personnel Research Committee. Otological Committee. Minutes of the meeting. Lond., 1., 1943–

Forms numbers of the F. P. R. C. Reports.

United States. Air Force. School of Aviation Medicine. Project. Randolph Field, No. 4, 1942–

—— Summaries of project reports, January 1, 1942–June 30, 1943. 56p. 27cm. Randolph Field, 1943.

—— Summaries of research reports. Supplement. Randolph Field, No. 1, 1943–

—— Quarterly research report. Randolph Field, Oct./Dec. 1947——

United States. Air Forces in Europe. Office of the Surgeon. Aero-Medical Research Section. Summary of the activities, 1 February to 15 October 1945 [v. p.] 35cm. n. p., 1945.

United States. Naval School of Aviation Medicine and Research, & Kenyon College of Gambier. Joint project report ... Project No. NR 782 004. Pensacola, No. 1, 1949–

United States. Navy. Commander Fleet Air. Research project. Quonset Point, No. X–685, 1945–

German scientific organization relative to air forces. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 11g, 1.—**Lovelace, W. R., II, & Gagge, A. P.** Aero medical research facilities and personnel. In: Aviat. M. & Psychol. (Lovelace, W. R., II) Wright Field, 1946, 84–93.—**Medizinische** Facultät der Christian Albrechts Universität. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 3f, 1.—**New** facilities for research in aviation medicine. J. Am. M. Ass., 1941, **117**: 2265.—**Roff, M.** Psychological research at the AAF School of Aviation Medicine. J. Aviat. M., 1948, **19**: 20–3.—**Würfler, P.** Aufbau der Luftfahrtmedizinischen Forschung und Lehre in Deutschland. Deut. Militärarzt, 1940, **5**: 501 (Abstr.)

—— Aviation psychology.

See also **Psychology,** Air Force.

United States. Air Force. Aviation Psychology Program. Research report. Wash. No. 7, 1947–

Fiske, D. W. Naval aviation psychology; the central research groups. Am. Psychologist, 1947, **2**: 67–72.—**Flanagan, J. C.** Research reports of the AAF aviation psychology program. Ibid., 374.—**History,** organization, and procedures; Psychological Research Unit No. 1, Army Air Forces. Psychol. Bull., 1944, **41**: 103–14.—**Organization** and research activities; Psychological Research Unit No. 3, Army Air Forces. Ibid., 237–45.

—— chemical.

See under **Bacteriological warfare; Biological warfare; Gas warfare.**

—— dental.

See also various subheadings of **Dentistry;** also **Office of Naval Research.**

Berzinskas, V. J., & Mullins, C. E. Rodents used in dental research. Hosp. Corps Q., 1949, **22**: 15–21.—**Chandler, A. W.** Dental education and research in the Navy. Mil. Surgeon, 1948, **102**: 265–8.—**Fischer, T. E.** The U. S. Army dental program at the National Bureau of Standards. Bull. U. S. Army M. Dep., 1949, **9**: 35.—**Schlack, C. A.** Essentials for dental research in the Navy. J. Dent. Educ., 1942, **7**: 123–5.

—— Food research.

See also **Research institute.**

United States. Army. Office of the Quartermaster General. Committee on

FOOD RESEARCH. Project abstract. Nu[trition] Wash., No. 6, 1946–

Committee (The) on Food Composition of the National Research Council. Science, 1943, **97**: 197.—**Further** progress in food research. Bull. U. S. Army M. Dep., 1947, **7**: 159–61.—**Isker, R. A.** Research in Army subsistence. J. Am. Diet. Ass., 1942, **18**: 20–2.—**Preservation** of bread and pastries at −15°C. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 13.—**Verzár, F.** Switzerland's contribution to war-time food research. Proc. Nutrit. Soc., Cambr., 1946–47, **5**: 311–6.

—— medical.

See also **Hospital service,** educational; **Pathology; Psychology;** also under many medical terms.

BELLAIRS, A. d'A. Some aspects of medical research and policy in U. K., U. S. A. and Canada. 35p. 37cm. n. p., 1945.

—— Report on liaison visit of Major A. d'A. Bellairs to U. K., U. S. A. and Canada, July 21–Oct. 14 '45. 25p. 37cm. n. p., 1945.

HAMBURGER, J., comp. [Recherches médicales en France pendant la guerre (1939–45)] Medical research in France during the war (1939–45) 306p. 25½cm. Par., 1947.

JOHNSON, J. B., jr, & WILSON, G. H. A history of wartime research and development of medical field equipment. 2v. 731p. 27½cm. Wash., 1946.

Artz, C. P. Army medical research. Centaur, Menasha, 1949–50, **55**: 124–7.—**Benzecry, I.** Investigaciones médicas en Francia durante la guerra, 1939–45. Rev. méd. Costa Rica, 1948–49, **8**: 317–28. Also Rev. méd. dominic., 1949, **4**: 112–24.—**Brown, W. H.** Medical research in the Canadian Army. J. R. Army M. Corps, 1947, **88**: 141–52.—**Drigalski, W. v.** Forschung und Fortschritt. In his Aufstieg d. San. Korps, Oldenb., 1939, 42–61.—**Hume, E. E.** Scientific accomplishments of the United States Army Medical Corps. Tr. Coll. Physicians Philadelphia, 1942–43, **10**: 25; 95.—**Hussarek, P.** [Prisoners who were used for malaria experiments] CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 45.—**Knoblauch, F. J.** Past history of research medicine in U. S. Army. Annual Rep. Armored M. Res. Laborat., 1946, App. D, No. 1, 1. ——— Present and future military medical research program for the U. S. Army. Ibid., No. 2, 1–4, 2 ch.—**Lapage, G.** Medical research during war-time. Nature, Lond., 1948, **161**: 998.—**Medical** (The) officer as scientist. Bull. Army M. Dep., Lond., 1944, No. 38, 2.—**Medical** research of the Armed Forces. Rep. Com. M. & Hosp. Serv. U. S. Dep. Defense, 1949, Sect. H, 8p.—**Medical** research in the Army [Gr. Britain] J. Am. M. Ass., 1943, **121**: 1299.—**Piédrola Gil, G.** En defensa de la investigación y de los futuros investigadores. Med. & cir. guerra, 1946, **8**: No. 22, 10–2.—**Report** on malarial research resulting from interrogation of Professor Claus Schilling. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6d, 1–3.—**Report** on use and development of insecticides in the GAF. Ibid., App. 6g, 1.—**Research** in the Army, by Col. Sedativus. Army Doctor, 1942, **1**: No. 2, 15.—**Research** and the medical officer. Bull. Army M. Dep., Lond., 1942, No. 17, 1.—[**Research** on anti-malarials] In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6e, 1–3.—**S., G.** Medical Department contacts with professional and scientific groups. Army M. Bull., 1942, No. 60, 128–41.—**Sundin, C.** Om frysförsök med i försvarets utrustning ingående lösningar. Tskr. mil. hälsov., 1945, **70**: 28–35.—**Ujitómozgalom.** Honvédorvos, 1952, **4**: 78–80.—**Vollenweider, P.** Unsere Aerzte im Felde. Militärsanität, Zür., 1944, **26**: 25–7.

—— medical: Organization.

See also subheading (Organization) also **Research board; Research institute; Research laboratory.**

CANADA. NATIONAL RESEARCH COUNCIL. ASSOCIATE COMMITTEE ON ARMY MEDICAL RESEARCH. Report. Ottawa. No. C–6046A, 1943–

UNITED STATES. ARMED SERVICES MEDICAL PROCUREMENT AGENCY. ENGINEERING DEVELOPMENT DIVISION. Research and development periodic technical progress report. Fort Totten, N. Y., April-June, 1948–

UNITED STATES. ARMY FORCES, WESTERN PACIFIC. Monthly progress report. Section 5: Medical. n. p., June 1945–

UNITED STATES. ARMY SERVICES OF SUPPLY. S. W. P. A. Progress report. Section 5: Medical. January 1944–March 1945. 13 nos. 27cm. n. p., 1944–45.

For further reports see Monthly progress report; United States Army Forces, Western Pacific.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. Quarterly report on Bureau of Medicine and Surgery research projects. Wash., July–Sept., 1948–

UNITED STATES. OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT. COMMITTEE ON MEDICAL RESEARCH. Anesthesis report. Wash., No. 2, 1944–

Chetverikov, V. S. [Scientific investigations by the hygienic institutes during the present war] Hig. & zdorov., 1942, **7**: No. 10, 37–9.—**Chute, L.** A field medical research unit. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C. 6228, 1.—**Drugov, J.** Uchenyj Medicinskij Sovet. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 710.—**Gray, G. W.** The Committee on Medical Research. In his Science at War, 3. ed., N. Y., 1943, 206–8.—**Longfellow, D.** Medical research and development program. Mil. Rev., Fort Leavenw., 1948–49, **28**: 53–5.—**MacFarlane, J. A.** Field research in the Canadian Army Medical Services. J. Canad. M. Serv., 1944–45, **2**: 53–9.—**Research** program and budget estimates for fiscal year 1950 in connection with investigations of insects and other arthropods of importance to the Armed Services. Bull. Insect Contr. (NRC) Wash., 1948, 19–27.—**Stone, W. S.** The research and development program of the Medical Department. Bull. U. S. Army M. Dep., 1947, **7**: 49–55.—**Syōzi, Y.** Senzi ganka-igaku kensyūkai [The wartime ophthalmological medical research societies] Sogo ganka zassi, 1944, **39**: 671–5.—**Van Slyke, C. J.** The research grants program of the United States Public Health Service. Mil. Surgeon, 1948, **102**: 102–6.

—— naval medical.

See also **Office of Naval Research; Office of Scientific Research and Development; Research board; Research institute; Research laboratory.**

Hildreth, H. M. Research in the naval hospital. U. S. Nav. M. Bull., 1947, **47**: 52–8.—**Mann, W. L.** Naval medical research in wartime. J. Internat. Coll. Surgeons, 1944, **7**: 349–52. ——— Some aspects of Naval medical research in wartime. Texas J. M., 1947–48, **43**: 362–4.—**Murdock, G. P., & Coolidge, H. J.** A coordinated investigation of Micronesian anthropology and human and economic geography. Q. Project Summary Off. Nav. Res., 1948, July, 245.—**Pemberton, C. E.** Insect control problem in the Micronesian area. Ibid., 404.—**Rixey, P. M.** The relation of the Navy to the study of tropical diseases. J. Cutan. Dis., 1908, **26**: 63–6.—**Schlack, C. A.** Naval research in oral pathology. Mil. Surgeon, 1947, **100**: 313–8.—**Smith, H. W.** Medical research in the Navy. Kentucky M. J., 1943, **41**: 148–54.—**Ullman, V.** Research, the hard way. Hosp. Corps Q., 1945, **18**: No. 10, 7–12.

—— naval medical: Organization.

See also **Research institute; Research laboratory.**

CANADA. NATIONAL RESEARCH COUNCIL OF CANADA. ASSOCIATE COMMITTEE ON NAVAL MEDICAL RESEARCH. Proceedings of the meeting. Ottawa, **4.**, 1945–

GREAT BRITAIN. ROYAL NAVAL PERSONNEL RESEARCH COMMITTEE. R. N. P. [report] Lond., No. 497, 1948–

[UNITED STATES] NATIONAL RESEARCH COUNCIL. DIVISION OF MEDICAL SCIENCES. Formal report to the Office of Naval Research under Task Order XIII, Contract N7onr–291, year ending 30 June 1949. 46p. tab. 27½cm. Wash., 1949.

Amberson, J. M. Navy medical science group in Africa. Mil. Surgeon, 1950, **106**: 115–7.—**Best, C. H., & Solandt, D. Y.** The activities of the Royal Canadian Navy Medical Research Unit. Canad. M. Ass., J., 1943, **48**: 96–9. ——— Progress report of the Royal Canadian Navy Medical Research Unit. Ibid., **49**: 520–2. ——— Royal Canadian Navy Medical Research Unit; progress report. J. Canad. M. Serv., 1943–44, **1**: 9–12.—**Research** Division. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 2, 68–71.

—— Organization.

See also **Office of Naval Research; Research board; Research institute; Research laboratory; Science Mobilization Act.**

HEINDEL, R. H. The integration of federal and non-federal research as a war problem. 122p. 27cm. Wash., 1942.

THIESMEYER, L. R. History of the Office of Field Service. p.1–333. 22cm. Bost., 1947.
In his Combat Scientists, Bost., 1947.

UNITED STATES. CONGRESS. HOUSE OF REPRESENTATIVES. COMMITTEE ON MILITARY AFFAIRS. Research and development; hearings before the Committee on Military Affairs, House of Representatives, Seventy-ninth Congress, first Session, on H. R. 2946, an Act authorizing appropriations for a permanent program of scientific research in the interest of national security, May 22, 23, and 29, 1945. 81p. 23cm. Wash., 1945.

UNITED STATES. CONGRESS. SENATE. COMMITTEE ON MILITARY AFFAIRS. National Science Foundation. Report ... pursuant to S. 1850, a Bill to promote the progress of science and the useful arts, to secure the national defense, to advance the national health and welfare, and for other purposes. 56p. 23cm. Wash., 1946.

UNITED STATES NATIONAL RESEARCH COUNCIL. Organization and members. Wash., 1919/20–

Compton, K. T. Organization of American scientists for the war. Proc. R. Soc., Lond., Ser. B, 1942–43, **131**: 297–313.—**Dewey, B.** Role of organized research in our national defense. Food Indust., 1945, **17**: 88.—**Gardner, N. E.** Mobilization of Columbia University, New York City. Med. Rec., N. Y., 1917, **91**: 771.—**Gray, G. W.** The National Academy of Sciences. his Science at War, 3. ed., N. Y., 1943, 43–6. ——— The National Research Council. Ibid., 46–9. ——— Other agencies for the collaboration of science in war. Ibid., 61–3. ——— The liaison between British and American science. Ibid., 65–7.—**Le Chatelier, H.** Le Conseil national de recherches aux Etats-Unis. C. rend. Acad. sc., 1917, **164**: 559–62.—**Lukashev, K. I.** Soviet war science. Science News Lett., 1942, **42**: 250–2.—**McDonald, P. B.** Scientific knowledge in historical crises. Sc. Month., 1941, **53**: 454–63.—**Meeting** of General Medical Board of Council of National Defense, held in connection with dedication of Warden McLean auditorium at Camp Greenleaf, Chickamauga Park, Ga. Boston M. & S. J., 1918, **178**: 539–43.—**Movilización** (La) de las ciencias en los Estados Unidos. Bol. Ejérc., Habana, 1921, **11**: 371–85.—**Organization** of science for war. Nature, Lond., 1942, **150**: 301–5.—**Ridenour, L. N., Einstein, A.** [et al.] Military support of American science, a danger? Bull. Atomic Scientists, 1947, **3**: 221–30.—**Rosebury, T.** The fuller utilization of scientific resources for total war. Science, 1942, **96**: 571–5.—**Scientific** utilization of resources and man-power. Nature, Lond., 1941, **147**: 365–7.—**Swann, E. D.** The organisation of science for war production. Advance. Sc., Lond., 1942, **2**: 77.—**Tolpin, J. G.** Scientific research and the war effort of U. S. S. R. Science, 1944, **99**: 7–9.—**Whitmore, F. C.** The utilization of scientific resources. Ibid., 1943, **97**: 68.—**Wright, Q.** Co-operative research on war. In his Study of War, Chic., 1942, **1**: 414–22.

—— personnel.

See also **Personnel selection.**

BRAY, C. W. Research on classification. p.41–91. 22cm. Princet., 1948.
In his Psychol. & Milit. Profic., Princet., 1948.

UNITED STATES. DEPARTMENT OF THE ARMY. ADJUTANT GENERAL'S OFFICE P[ersonnel] R[esearch] S[ection] reports. Wash., No. 056, 1941–

Flanagan, J. C. Personnel research and test development in the Bureau of Naval Personnel; a special review. Psychol. Bull., 1948, **45**: 144–50.—**Military** (The) Personnel Research Committee. Rep. M. Res. Counc., Lond. (1939–45) 1948, 134–47.—**Mussen, R. W.** Some aspects of personnel research in North America. J. R. Nav. M. Serv., 1946, **32**: 89–97.—**Personnel** research in the Army. Personnel J., 1942–43, **21**: 349–55.—**Personnel** research in the Army; background and organization. Psychol. Bull., 1943, **40**: 129–35.—**Personnel** research in the Army; some factors affecting research in the Army. Ibid., 271–8.—**Personnel** Research Section, the Adjutant General's Office; development and current status. Ibid., 1945, **42**: 445–52.—**Some** aspects of the relationship between personnel research and clinical psychology in the Army. J. Clin. Psychol., 1945, **1**: 105–12.—**Vernon, P. E.** Research on personnel selection in the Royal Navy and the British Army. Am. Psychologist, 1947, **2**: 35–51.

—— quartermaster.

See also subheading (Food research) also **Research board; Research institute.**

UNITED STATES. ARMY. OFFICE OF THE QUARTERMASTER GENERAL. Research and development; progress report. Wash., Nov./Dec. 1947–

——— Research and development program. Wash., 1948–

—— surgical.

See also **Burns; Injury; Wound.**

Committee on War Wounds. Brit. M. J., 1940, **2**: 127.—**Herrera B. Sotolongo, J. L.** Contribución al estudio de las heridas de guerra. Rev. san. mil., Habana, 1943, **7**: 4–20.—**Laugier, H., & Dugal, L. P.** Research on the healing of war wounds and the repairing of tissues. Yearb. Am. Philos. Soc. (1943) 1944, 200.—**Lockwood, J. S.** War-time activities of the National Research Council and the Committee on Medical Research; with particular reference to team-work on studies of wounds and burns. Ann. Surg., 1946, **124**: 314–27.—**Meleney, F. L.** A plan for the study of war wounds. Ibid., 1941, **114**: 283–92.—**Spooner, E. T. C.** War-time research into bacteriology of wounds. Nurs. Times, Lond., 1941, **37**: 542; 560.

—— veterinary.

Hill, A. V. Science and war. Vet. Rec., Lond., 1942, **54**: 280.—**Kelser, R. A.** Veterinary research and public health. Mil. Surgeon, 1941, **88**: 509–19.—**Science** and the central direction of the war. Vet. Rec., Lond., 1942, **54**: 375.

—— in wartime.

See also **Scientist.**

MONOGRAPHS on the progress of research in Holland during the war. Amst., No. 4, 1946–

MOULTON, J. F. Science and war; the Rede lecture, 1919. 59p. 8° Cambr., 1919.

SCIENCE IN WAR. 140p. 18cm. Harmondsworth, 1940.

Baitsell, G. A., & Dunning, J. R. Science and war. Am. Scientist, 1942, **30**: 299–303.—**Burgess, G. K.** Applications of science to warfare in France. Sc. Month., 1917, **5**: 289–97.—**Ciencia** (A) e a guerra. Impr. méd., Rio, 1941, **17**: No. 328, 137.—**Clark, A. H.** Science and war. J. Washington Acad. Sc., 1942, **32**: 33–40. Also Nature, Lond., 1942, **149**: 570–3.—**Collip, J. B.** Science and war. Canad. M. Ass. J., 1943, **49**: 206–9.—**Condon, E. U.** Science and security. Science, 1948, **107**: 659–65.—**Conference** on science and the war effort. Nature, Lond., 1942, **149**: 71.—**Coq** (Le) d'Or. Rev. Sc. Instrum., 1942, **13**: 199–201.—**Cullis, W.** Science in wartime. Nurs. Times, Lond., 1946, **42**: 718; 744.—**Dale, H.** Science in war and peace. Advance. Sc., Lond., 1946–47, **4**: 151–6. ——— Science in war and peace. Pharm. J., Lond., 1947, **105**: 167.—**Davis, W.** Science in peace and war. Nature, Lond., 1942, **150**: 310.—**Fleming, J. A.** Science in the war and after the war. Ibid., 1915, **96**: 180–5.—**Fox, D. L.** International democracy of science during war and reconstruction. Ibid., 1941, **147**: 640.—**Gray, G. W.** The physicists' war. In his Science at War, 3. ed., N. Y., 1943, 10–26. ——— How war has influenced science. Ibid., 37–41. ——— Mathematics in war. Ibid., 147–9.—**Kaempffert, W.** Science, technology, and war. Yale Rev., 1941–42, **31**: 492–502. ——— Science and war. Science, 1943, **97**: 532.—**Lammasch.** Die Wissenschaft und der Krieg. Deut. Rev., 1914, **4**: 197–203.—**Nicholas, J. S.** Wartime maintenance of scientific production. Science, 1942, **96**: 393–5.—**Nikolayev, B.** The role of intellectual effort in the struggle for victory. Gradwohl Laborat. Digest, 1943–44, **7**: No. 4, 1.—**Olpin, A. R.** Science and the war. Ohio J. Sc., 1942, **42**: 159–61.—**Penfield, W.** Orientation of scientific research to war. Advance. Sc., Lond., 1942, **2**: 33–5. Also Am. Scientist, 1942, **30**: 116, &c.—**Research** in war-time. Pharm. J., Lond., 1941, **93**: 177.—**Results** (The) of war-time research. Med. J. Australia, 1946, **2**: 138.—**Rogers, H. H.** Scientific intelligence in modern warfare. Mil. Rev., Fort Leavenw., 1948–49, **28**: No. 2, 27–31.—**Ross, C.** War, a plea for scientific research. Sc. Progr., Lond., 1918–19, **13**: 659; 1919–20, **14**: 133.—**Science,** complacency and war. Med. J. Australia, 1941, **1**: 733.—**Science** and the national war effort. Nature, Lond., 1940, **146**: 469.—**Science** and war [Question in Parliament; Government scientific bodies] Brit. M. J., 1941, **1**: 575.—**Science** and the war effort. J. Am. M. Ass., 1941, **116**: 2709. Also Nature, Lond., 1941, **148**: 657; 1942, **150**: 641.—**Simons, J. H.** Research in wartime. Science, 1943, **97**: 390–2.—**Stern, C.** Peacetime research in wartime; a report. Ibid., 1944, **99**: 278–80.—**War** research. In: Science Yearb. (Ratcliff, J. D.) N. Y., 1945, 83–9.—**War,** science, civilization. J. Hered., 1916, **7**: 186–9.—**Wichelhaus, H.** Wissenschaft und Kriegsführung. Deut. Rev., 1915, **3**: 369–74.—**Wood, F. W.** The war status of Australian science. Science, 1943, **97**: 224.

RESEARCH board.

See also various subheadings of **Research.**

UNITED STATES. ARMY MEDICAL RESEARCH AND DEVELOPMENT BOARD. Medical Department research and development program. Wash., Sep. 1945–

United States. National Military Establishment Research and Development Board. Digest series. Wash., No. 4, 1947–

Vedder, E. B. A synopsis of the work of the Army Medical Research Boards in the Philippines. 179p. 22½cm. Carlisle Barracks, 1929.
Forms 1929 number of Army Med. Bull.

Army (The) Medical Research and Development Board. Science, 1945, **102**: 440–3.—**Medical** Research Boards, Army Medical Department. Army M. Bull., 1940, **51**: 65–70.

RESEARCH institute.

See also **Research,** Organization.

United States. Armed Forces. Quartermaster Food and Container Institute for the Armed Forces. Activities report. Chic., v. **1**, 1948–

United States. Naval Medical Research Institute. Research project. Bethesda, 1944–

—— Summaries of research. Bethesda, Jul./Dec. 1944–

—— Project NM. Bethesda, NM 007 026, 1948–

Brief (A) statement relative to some of the more important research and developments drawn up by the Naval Medical Research Institute. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 10, 84–8.—**Hamburg, M. L.** [Work of NIICI of the Red Army during winter] Voen. san. delo, 1941, No. 10, 38–41.—**Heiss, R.** Orientierender Bericht über die vom Reichsinstitut für Lebensmittelfrischhaltung, Karlsruhe, seit Kriegsbeginn in Angriff genommenen Forschungsarbeiten. In: Wehrmachtverpflegung, Dresd., 1942, 1: 310–55.—**Hüster.** Organisation und Aufgaben der Prüf- und Versuchsabteilung in der Reichsanstalt für Luftschutz. Gasschutz, 1938, 8: 61–4.—**Institut** für Luftfahrtmedizin, München. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 3b, 1.—**Institut** für Schiffs- und Tropenkrankheiten. Ibid., App. 6f, 1.—**Japanese** Institute for Research in Military Aviation Medicine. Science, 1939, **89**: 9.—**Luftfahrtmedizinischen** Forschungs-Institut des RIM (attached to Helmholtz Institut) In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 2b, 1–3.—**Naval** Medical Research Institute, National Naval Medical Center. U. S. Nav. M. Bull., 1943, **41**: 240.—**O'Kelley, W. R.** Naval Medical Research Institute. Hosp. Corps Q., 1945, **18**: No. 10, 2–6.—**Research** institution on Mount Fuji. J. Am. M. Ass., 1938, **111**: 1394.—**Summary** of activities at Forschungsanstalt Graf Zeppelin. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 13a, 1.—**Weinberg, I. S., Fridland, I. G., & Garvin, L. I.** Leningradskij GIDUV v dni Otechestvennoj vojny. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 387–95.

RESEARCH laboratory.

See also **Research,** Organization.

United States. Armored Medical Research Laboratory. Annual historical report. Fort Knox, 3 (1945) 1946–

United States. Naval Medical Field Research Laboratory. Progress report. Camp Lejeune, Jan./June 1944–

—— Research project. Camp Lejeune, No. X–108B, 1944–

United States. Naval Medical Research Laboratory. BuMed research project. N. Lond., No. X–382, 1944——

—— Summaries of research reported on during calendar year. N. Lond., 1948——

United States. Naval Research Laboratory. Report. Wash., No. P–2914, 1946–

Heim, J. W. Notes from the Aero-Medical Research Laboratory, Air Corps, Material Division, Wright Field, Dayton, Ohio. Flight Surgeon Topics, 1939, **3**: 107.—**Knoblauch, F. J.** Re-evaluation of program for Medical Department Field Research Laboratory, Fort Knox, Kentucky. Annual Rep. Armored M. Res. Laborat., 1946, App. C. 1–17.—**Medical** Field Research Laboratory accomplishments. Bumed News Lett., Wash., 1945, **5**: No. 4, 18–20.—**Naval** (The) Research Laboratory. In: Science & Pub. Policy (U. S. President Sc. Res. Bd) Wash., 1947, **2**: 59.—**Pasqualini, R. Q.** El Laboratorio de investigaciones médicas de las fuerzas blindadas, de Fort Knox, Kentucky (Estados Unidos) Rev. mil., B. Air., 1947, 47: 226–9.

RESERVE.

For tactical reserve see under **Defense; Operation; Tactics.** For personnel in the reserve see **Reserve Corps; Reserve officer; Reserve Officers Training Corps.**

RESERVE Corps.

See also **Dental reserve; Medical student,** Reserve functions; **Nurse,** reserve; **Veterinarian,** reserve.

Boldyrev, T., & Maslinkovsky, T. Zapasnye vojskovye časti. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 753–8.—**Organized** (The) reserve program. In: Scientists in Uniform, Wash., 1948, 89.

—— medical.

See also **Reserve officer,** medical.

Baylis, J. E. The medical department reserve. 13p. 8° Carlisle Barracks, 1931.
Army M. Bull., 1931, **2**: No. 1.

—— [Memorandum on the Medical Department Reserve of the U. S. Army] 3p. 8° Wash., 1938.

Correspondence. N. York State J. M., 1941, **41**: 222.—**Evatt, G.** Trained medical reserves for war. Lancet, Lond., 1906, **1**: 1638.—**Falk, H. S.** The Medical Department of the Reserves. Memphis M. J., 1936, **11**: No. 3, 23.—**Friedlaender, B.** The Medical Reserve Corps. Mil. Surgeon, 1936, **78**: 387–9.—**Glocker, R. K.** The proceedings of the eleventh annual medico-military inactive status training unit, Mayo Foundation, Rochester, Minnesota. Ibid., 1940, **86**: 170–3.—**Interns,** residents and the Reserve Corps. J. Am. M. Ass., 1941, **116**: 235.—**Kantor, J. L.** The Medical Reserve Corps of the United States and the R. O. T. C. Phi Delta Epsilon News, 1932, **23**: 72–5.—**Krichevsky, J.** Rezerv medicinskoj služby. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1084–6.—**Maddox, R. D.** The medical reserve. J. Med., Cincin., 1937–38, **18**: 247–9.—**Medical** preparedness; vacancies in the Medical Corps Reserve. N. York State J. M., 1941, **41**: 1007.—**Reynolds, R. B.** Military policy of the United States. Week. Roster, Phila., 1940–41, **36**: 427; 459.—**Voegtly, J. H.** Organized Reserve Corps program of Medical Department. Mil. Surgeon, 1948, **102**: 496–501.

—— volunteer.

Sheppe, W. M. Problems affecting the volunteer reserve organizations and suggestions for meeting them. Mil. Surgeon, 1950, **106**: 102–6.

RESERVE officer.

See also **Chemical Corps,** Reserve officer; **Medical officer; Scientist,** Military service.

Assignment of reserve officers. In: Scientists in Uniform, Wash., 1948, 66–8.—**Coe, H. C.** The first reserve officers' camp. Mil. Surgeon, 1936, **78**: 267–73.—**Reserve** officers; Sec. V, Circular 127, Department of the Army, 1948. In: Scientists in Uniform, Wash., 1948, 95–8.—**Utilization** of reserve officers. Ibid., 55.

—— medical.

See also **Reserve Corps,** medical.

Wilson, W. L. National security and the Medical Department reserve officer; a problem in integrated administration of military-civil health affairs. 13 l. 32cm. Wash., 1950.

Appointments in the Medical Corps, United States Naval Reserve. J. Med., Cincin., 1941–42, **22**: 300.—**Appointment** in Reserve Corps of graduates of approved schools. J. Am. M. Ass., 1941, **116**: 1228.—**Army** reserve officers ordered to active duty. Ibid., 316–8.—**Brooks, M.** Volunteer reserve component of the Medical Corps, U. S. Navy, in the Third Naval District. Mil. Surgeon, 1948, **103**: 449–52.—**Brussel, J. A.** A Medical Reserve program in a rural community. Bull. U. S. Army M. Dep., 1949, **9**: 845–8.—**Enrollment** of Reserve Officers in U. S. Public Health Service for civilian defense. Med. Div. Mem. U. S. Off. Civ. Defense, 1942, No. 10, 1–3.—**Graduates** of foreign medical schools eligible for commission in Medical Department reserve. J. Am. M. Ass., 1941, **116**: 844.—**Holmes, C. K.** Progress made in solving Medical Department reserve problems. Bull. U. S. Army M. Dep., 1949, **9**: 584–8.—**Medical** reserve officers holding key civilian positions. J. Am. M. Ass., 1942, **118**: 983.—**Reserve** officers ordered to active duty. Ibid., 1940, **115**: 1727.—**Serious** problem confronting medical reserve officers. Med. Soc. Rep., Scranton, 1942, **36**: 13.—**White, E. C.** Medical preparedness in the Navy. N. York State J. M., 1941, **41**: 500–3.

—— by countries.

Advice to students about to join the Medical Corps (Gt. Britain) J. Am. M. Ass., 1942, **120**: 465.—**C., M.** Six months in general practice. Brit. M. J., 1940, **1**: Suppl., 93.—**Kapel, O.** Reservekirurgernes ansættelsesproblem. Ugeskr. laeger, 1947, **109**: 621.—**Leopold, R.** [Instructions for reserve physicians for preparedness in case of war] Lek. wojsk., 1934, **23**: 302–8.—**Loi** accordant une majoration d'ancienneté de grade aux militaires des réserves nommés aux grades de médecin ou de pharmacien aide-major de 2e classe de réserve. J. Sc. méd. Lille, 1927, **45**: pt 1, 443.—**Rijen, P. P. C. v.** [On the organization of reserve health officers] Mil. spectator, Haag, 1938, **107**: 365–8.—**Secher, K.** Aktuelle ansættelsesproblemer. Ugeskr. laeger, 1947, **109**: 622.—**Souza Ferreira, J. A. de.** Relações entre as medicinas civil e militar e o médico da reserva. Rev. med. mil., Rio, 1941, **30**: 463–74.

RESERVE Officers Training Corps.

Abercrombie, R. T. The Hopkins army. Johns Hopkins Alumni Mag., 1941–42, **30**: 6–9.—**Loosely** (A) run cantonment with a few educational decorations. Oral Hyg., Pittsb., 1919, **9**: 10–3.—**Reestablishment** of medical R. O. T. C. units. J. Am. M. Ass., 1936, **106**: 1093.—**Welch, J. M.** The medical R. O. T. C. Army M. Bull., 1937, No. 39, 26–9.

RESIDENCY.

See under **Intern.**

RESIN.

See also **Plywood.** For acrylic resin see also **Denture,** Technic.

Black, A. P., & Trumper, M. Skin reactions to devex resin. 2p. 26½cm. Bethesda, 1943.

Forms Rep. No. 2, Res. Proj. X–180, U. S. Nav. M. Res. Inst.

RESISTANCE.

See also under subheadings of **Occupied area**—by regions (France; Holland) also **World War II,** France.

Arène. Le Service de santé de la résistance. Sud méd. chir., 1945, **77**: 199.—**Bourde, Y.** Le Comité médical de la résistance dans notre département. Ibid., 221–5.—**Lena, A.** Le Service de santé de la résistance pendant l'insurrection dans le secteur de Marseille-Aubagne. Ibid., 225–9.—**Milliez, P.** La résistance médicale et les médecins. Gaz. méd. France, 1944–45, **52**: Spec. No., 19–21.—**Mire, A.** Chronique de la résistance médicale. Progr. méd., Par., 1945, **73**: 141.—**Parker, G.** Surgeon with the Maquis. Broad Way, Lond., 1948–49, R. 12: 133.—**Roux-Delimal, J.** Résistance et rénovation pharmaceutique. Gaz. méd. France, 1944–45, **52**: Spec. No., 21–3.—**Saint-Albin.** Souvenirs de la résistance. Sud méd. chir., 1945, **77**: 230–3.

RESPIRATION.

See also related literature under **Altitude; Anoxia; Oxygen saturation.**

Gray, J. S. The multiple factor theory of respiratory regulation; the isolation and quantification of the independent effects of H ion, CO_2, and O_2 on respiratory ventilation. 54p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 386, U. S. Air Force School Aviat. M.

—— The multiple factor theory of respiratory regulation; uncompensated metabolic disturbances of acid-base balance. 17p. 27cm. Randolph Field, 1945.

Forms Rep. No. 2 of preceding project.

Riley, R. L. The measurement of pulmonary function. 10p. 26½cm. Wash., 1949.

Forms TB 10–58, Veterans Admin. Techn. Bull.

Draper, W. B., Whitehead, R. W. [et al.] The phenomenon of diffusion respiration. Sympos. Mil. Physiol., Wash., 1947, 123–32.—**Du Bois, E. F.** Physiology of respiration in relationship to the problems of naval medicine. U. S. Nav. M. Bull., 1928, **26**: 1; passim.—**Fischbeck.** Physiochemical problems of respiration. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 252.—**Kravchinsky, B.** Dykhanie. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 592–600.—**Maruyama, T.** Kaku-rui sin-kokyū oyobi dōseki sayō no kekkō ni oyobosu eikyō ni tuite [Effect of all types of deep breathing and associated action on the circulation] Gun idan zassi, 1927, 381–8, illust.—**Nadezhdin, V. A.** [Study of respiratory function in man] Voen. med., J., Moskva, 1930, **1**: 54–61.—**Suzuki, O.** Sin-kokyū-zi ken-kōsa ni kan-suru seitai-sokuteigaku-teki kenkyū [Biometrical studies on the vertical movement of the acromion in deep respiration] Kaigun gun-ikai zassi, 1939, **28**: 779; 1940, **29**: 41, pl.

—— Air.

Fugitt, C. H., & Riley, R. L. Determination of aqueous vapor tension in expired air. 10 l. 27cm. Pensacola, 1946.

Forms Rep. No. 1, Res. Proj. X–475 (Av–252–t) U. S. Naval School Aviat. M.

Consolazio, W. V. Relationship between ambient and alveolar gas pressures under various respiratory conditions. Sympos. Mil. Physiol., Wash., 1947, 99–105.

—— artificial.

See also **Respirator; Resuscitation.**

Artificial respiration. Bull. Army M. Dep., Lond., 1945, No. 48, 4.—**Ashley, P.** Modified Stokes stretcher for resuscitation by the Eve method. U. S. Nav. M. Bull., 1945, **44**: 848.—**Carson, L. D., & Pinto, J. C.** The Eve method of resuscitation. Ibid., 1947, **47**: 650–6.—**Cordier, D.** Les méthodes manuelles de respiration artificielle. In his Probl. méd. guerre, Montréal, 1943, 59–86. ——— Méthode de Sylvester [de ranimation] Ibid., 60–6. ——— Méthode de Schaefer [de ranimation] Ibid., 67–75. ——— Exécution de la méthode de Schaefer combinée avec l'élévation des coudes. Ibid., 73–5.—**Eve, F. C.** Une nouvelle méthode de respiration artificielle. Arch. Serv. san. Armée belge, 1946, **99**: 25–9.—**Eve** method. Bumed News Lett., Wash., 1944, **3**: No. 10, 9.—**Héderer.** La respiration artificielle; étude critique et expérimentale. Arch. méd. pharm. nav., 1934, **124**: 427–70. ——— Sur une nouvelle manoeuvre de respiration artificielle combinée avec la méthode de Schaefer pour corriger les défauts et en augmenter la valeur physiologique Ibid., 1935, **125**: 371–81.—**Hurd, P. V., jr.** Artificial respiration in life rafts. Hosp. Corps Q., 1944, **17**: No. 5, 85–7.—**Johannsen, E. W.** [On artificial respiration] Militaerlaegen, 1934, **40**: 109–33.—**Johnson, F. S.** The relation of carbon dioxide to artificial respiration. U. S. Nav. M. Bull., 1937, **35**: 380–7. ——— **Hawkins, J. A., & Yarbrough, O. D.** An evaluation of a modified Schäfer method of artificial respiration. Ibid., 60, pl.—**Keevil, J. J.** Note on the diaphragm-gravity method of artificial respiration. J. R. Nav. M. Serv., 1934, **20**: 367.—**Krogh, A.** [A see-saw board for artificial respiration] Militaerlaegen, 1934, **40**: 107.—**Künstliche** (Ueber) Atmung mit und ohne Zufuhr hochprozentigen Sauerstoffes. Deut. mil. ärztl. Zschr., 1918, **47**: 311–7.—**Lapin, S. B.** Modification of the Eve method of resuscitation. Bull. U. S. Army M. Dep., 1945, No. 89, 110.—**Manual** methods for artificial respiration are preferred over mechanical devices. Bumed News Lett., Wash., 1943, **2**: No. 3, 25.—**Murray, S. D.** Application of the Eve rocking method of resuscitation on shipboard. U. S. Nav. M. Bull., 1945, **44**: 161–5.—**Puddy, E. I.** Improvisation of Eve's rocking stretcher ashore. J. R. Nav. M. Serv., 1945, **31**: 33–5.—**Simada, N.** Zinkō-kokyūhō sidō yōryō [The main points in artificial respiration methods] Gun idan zassi, 1929, 1543–74, illust., tab.—**Stepansky, G. A.** [Indications for artificial respiration in the battalions at the front] Voen. san. delo, 1941, No. 8, 58–64.

—— Basal metabolism.

See also **Flying,** Gas metabolism; also subheading (Variation)

Ames, A., III, & Goldthwait, D. A. Influence of cold climate on basal metabolism. 13 l. 29½cm. Wash., 1948.

Forms No. 136, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

Lawrence, J. H., Jones, H. B. [et al.] Studies on gas exchange. 224p. 27cm. Dayton, 1948.

Forms No. MCREXD–696–114, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Bennetts, R. W. Carbon paper as a substitute for basal metabolism wax charts. Med. Bull. Medit. Theater U. S., 1945, **3**: 276.—**Galambos, J., Megyesi, Z., & Bornemisza, G.** Az alapanyagcsere-vizsgálatok sebészi vonatkozásai. Honvédorvos, 1950, **2**: 261–78, illust.—**Grau, M. L.** Methods in determining basal metabolism. Med. Bull. Veterans Admin., 1941–42, **18**: 289.—**Mutel, I. T.** Confronto semiológico hemoquímico e metabolismo basal. Rev. med. mil., Rio, 1943, **32**: 464–7?.—**Nores Martínez, A.** La influencia del trabajo muscular en el metabolismo basal. Rev. san. mil., B. Air., 1945 **44**: 239–42.—**Roncato, A.** Recenti conquiste sui fondamenti chimici dei processi ossidativi negli organismi. Gior. med. mil., 1935, **83**: 311–5.—**Smeliansky, I.** [Reid's method in determination of basal metabolism] Voen. san delo, 1936, 46–8.—**Tasker, A. N., & Curtis, E. F.** A simple protractor for use with the Sanborn metabolism apparatus. Mil. Surgeon, 1936, **79**: 127–9.—**Uglov, V., Martishenia, A., & Goldberg, A.** [Effect of various transportations on gaseous metabolism] Tr. Acad. mil. méd. Kiroff, 1935, 2: 272–80.—**Vidal Rios, O.** Significación clínica del metabolismo basal y causas de error en su determinación. Med. & cir. guerra, 1946, **8**: No. 15, 9–22.

—— Disorders.

See also **Hyperventilation; Pressure breathing,** Sequelae.

Barbàra, M. Sopra un caso di nevrosi respiratoria mista di origine traumatica (respiro dissociato, tachipnea, dispnea) osservata in un militare. Ann. Clin. med., Pal., 1916, **7**: 202–16, pl.—**Campbell, J. F. M.** An unusual case of paroxysmal dyspnoea. J. R. Nav. M. Serv., 1942, **28**: 386–8.—**Cuono, J. D.** Paradoxical respiration. U. S. Nav. M. Bull., 1944, **42**: 136–9.—**Day, G. H.** Diaphragmatic dyspnoea. J. R. Army M. Corps, 1943, **81**: 290.—**Quinn, R. W.** Hyperventilation and hyperventilation syndrome. U. S. Nav. M. Bull., 1943, **41**: 769–76.

—— Variation.

See also **Altitude,** Respiratory aspect; **Anoxia; Flying,** Gas metabolism.

Goldie, F. A. On respiration rate during a bomber sortie. 4 l. 24cm. Lond., 1943.

Forms F. P. R. C. No. 552, Gr. Brit. Flying Pers. Res. Com.

Great Britain. Flying Personnel Research Committee. FPRC No. 178: Loss of carbon dioxide at low pressure. 8 l. 22½cm. Lond., 1940.

—— FPRC 524: The effects of decreased atmospheric pressures on the oxygen and carbon dioxide tensions in the lungs. 5 l. 17cm. Lond., 1943.

Lovelace, W. R., II, Carlson, L. D., & Wulff, V. J. Pulmonary ventilation of flyers. 15 l. 28cm. Dayton, 1944.

Forms No. ENG–49–660–50–H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Riley, R. L., & Houston, C. S. Composition of alveolar air and rate of pulmonary ventilation during long exposure to high altitude. 12 l. 26cm. Pensacola, 1948.

Forms Rep. No. 7, Proj. No. NM 001 013, (or, X–720) Res. Rep. U. S. Nav. School Aviat. M.

Smith, R. E., & Morales, M. F. Measurements of gaseous exchange in connection with aviation and deep-sea diving by techniques employing radioactive substances; on the theory of blood-tissue exchanges of inert gases. 14p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–43, U. S. Nav. M. Res. Inst.

—— [The same] ... Circulation and inert gas exchanges at the lung. 6p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2 of preceding research project.

Cassinis, U. L'intensità di alcuni esercizi fisici comparata colla ricerca della produzione di CO_2 e della durata massima dell'apnea volontaria. Gior. med. mil., 1926, **74**: 355–60.—**Chadwick, L. E.** The respiratory exchange in Drosophila during flight. Sympos. Mil. Physiol., Wash., 1947, 107.—**DuBois, E. F.** Physiology and respiration in relationship to the problems of naval medicine; deep diving. U. S. Nav. M. Bull., 1929, **27**: 311–31.—**Fegler, J.** Observations on the phenomena of excitation and inhibition of respiration during chemical irritation of the upper and lower respiratory tracts. Lek. wojsk., 1935, **25**: 129; 215.—**Missiuro, W.** [Respiratory phenomena during rest after prolonged physical efforts] Ibid., 1936, **28**: 613–24.—**Specht, H., Marshall, L. H., & Spicknall, B. H.** Some effects of changes in the density of respired gases on the velocity patterns of the breath. Sympos. Mil. Physiol., Wash., 1947, 79–82.

RESPIRATOR.

See also **Civilian defense,** Measures; **Gas mask.**

Blockley, W. V. Respirators, anti-dust. 5p. 28cm. Ottawa, 1944.

Forms No. C–6072, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Great Britain. Ministry of Home Security. Air Raid Precautions Department. Air raid precautions memorandum No. 13: Care and repair of respirators. 15p. 24½cm. Lond., 1940.

—— [The same] Inspection and repair of respirators and oilskin clothing. 3. ed. 22p. 25cm. Lond., 1942.

—— Home security circular No. 40, 1940: Inspection of civilian respirators held by the public. 4p. 24½cm. Lond., 1940.

Motley, H. L. Physiological and clinical studies of intermittent pressure respirators and manual methods for producing artificial respiration in man. 156p. 26½cm. Dayton, 1946.

Forms No. TSEAA–696–79–F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Shelesnyak, M. C., & Whaley, R. V. Physiological appraisal of MSA rebreather employing experimental models of pump type autovent devices: type II and III D. 6p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–249, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. T–3: Partial report on Project No. T–3, test of expendable dust respirator, E5. 4p. 28cm. Fort Knox, 1945.

Vollmer, E. P., & Snowden, D. J. Appraisal of a new pneumatic balance respirator, the M. S. A. pneophore. 8p. 26½cm. Bethesda, 1948.

Forms Rep. No. 9, Res. Proj. X–486, U. S. Nav. M. Res. Inst.

Appraisal of a new pneumatic balance respirator, the M. S. A. pneophore. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 1.—**Buie, E. D.** German rescue breathing apparatus. CIOS Rep., Lond., 1944, Item 27, No. X–28, 1–4.—**Calderwood, C.** Care of the respirator machine. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 5, 6.—**Davies, A. A.** Demonstration and manipulation of the respirator. Ibid., No. 2, 19.—**Fanconi, G.** Orientierung über die eiserne Lunge. Militärsanität, Zür., 1948, **30**: 17.—**Kessler, F.** Die Aufbewahrung der C-Maske der Zivilbevölkerung. Schweiz. Apoth. Ztg, 1939, **77**: 54.—**Lipscomb, F. M., & Harvey, A. C.** Breathing machine service in the Northern Command, India. J. R. Army M. Corps, 1942, **79**: 57–68.—**Nathan, P. W.** A simple artificial respirator. Ibid., 1944, **82**: 22–5.—**Neue** (Eine) schweizerische C-Gasmaske. Schweiz. Apoth. Ztg, 1938, **76**: 52.—**Pitton, R. D., Schlack, C. A., & Restarski, J. S.** Double-grooved mouthpiece for oral respiration in low and high barometric breathing; a preliminary report. U. S. Nav. M. Bull., 1943, **41**: 1420–4.—**Rocco, A.** Modello semplificato di scatola filtro per maschera respiratoria utilizzabile nelle pratiche di disinfezione. Gior. med. mil., 1948, **95**: 199–206.—**Stannard, J. N., & Russ, E. M.** Estimation of critical dead space in respiratory protective devices. Sympos. Mil. Physiol., Wash., 1947, 71–7.—**Yates, A. C. K.** Iron lung improvised in a warship. Brit. M. J., 1943, **1**: 256.

RESPIRATORY irritant.

See **Gas poisoning,** Asphyxiating gas.

RESPIRATORY system [and tract]

See also **Lung; Nose; Trachea;** also **Medical examination,** Respiratory system; **Respiration.**

Galli, E. A. Pectoriloquia áfona o fenómeno vocal de Bacelli; su importancia. Rev. san. mil., B. Air., 1915, **14**: 406–15.—**Ocaranza, F.** Plan para el estudio de la función respiratoria en el soldado, el obrero y el campesino mexicanos. Gac. méd. México, 1939, **69**: 280–5.—**Penny** wise and pound foolish; an Australian Army failure. Med. J. Australia, 1941, **2**: 35.—**Redding, R. W.** The respiratory system of the pigeon. Sympos. Mil. Physiol., Wash., 1947, 109–12.

—— Disease.

See also **Disease**—by specific types: Allergy; **Dust; Epidemic,** Types: Common cold; **Hay fever; Influenza; Pleurisy; Pneumonia, Tuberculosis.**

Feasby, W. R. Respiratory disease studies, including airborne infection. 6p. 28cm. Ottawa, 1944.

Forms No. C–6055, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Hall, M. W. Inflammatory diseases of the respiratory tract, bronchitis, influenza, bronchopneumonia, lobar pneumonia. p.61–169. 26cm. Wash., 1928.

In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**:

United States. Army Epidemiological Board. Commission on Acute Respiratory

DISEASES. Annual report. Wash. (1946/47) 1947–

—— Quarterly progress report. Wash., No. 8, 1948–

Baccarani, C. Insufficenza respiratoria nasale e apparato respiratorio. Gior. med. mil., 1942, **90:** 577–84.—**Ball, F. E., & Berry, C. D.** A study of upper respiratory infections. J. Indiana M. Ass., 1944, **37:** 427–9.—**Clinical** patterns of undifferentiated and other acute respiratory diseases in Army recruits. Medicine, Balt., 1947, **26:** 441–64.—**Dingle, J. H.** Acute respiratory infections; contributions made during World War II. Cincinnati J. M., 1949, **30:** 117–30. ——— **Rantz** [et al.] Commission on acute respiratory diseases. Res. Program U. S. Army M. Res. Bd, 1947, July, 65; 1948, Jan., 133.—**Finland, M.** Communicable respiratory diseases in wartime. N. England J. M., 1942, **227:** 528.—**Giovetti & Impallomeni.** Risultati di ricerche sistematiche sull'apparato respiratorio nei militari. Radiol. med., Milano, 1935, **22:** 50.—**Gordon, J. E.** Common upper respiratory infection. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 3, No. 1, 1–19, 4 pl., 17 tab., 9 ch.—**Hall, M. W.** The respiratory group of diseases as they affect soldiers and sailors. Mil. Surgeon, 1927, **60:** 1–30.—**Jürgens, A.** [Diseases caused by colds in the Army] Militaerlaegen, 1939, **45:** 1–13.—**Ludwick, J. E., & Jones, B. C.,** jr. Observations on catarrhal fever. U. S. Nav. M. Bull., 1943, **41:** 573–5.—**Macpherson, I., & Seed, G. S.** Chronic and recurrent respiratory infection. J. R. Army M. Corps, 1942, **78:** 166–74.—**Mastery** of the air. N. England J. M., 1943, **228:** 837–9.—**Ressmann, A. C.** A study of upper respiratory infections. News Lett. AAF Rheum. Fever Control, 1945, **2:** No. 8, 6–13.—**Szerreiks, E.** Atmungsapparat (ohne Tbc.) In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 150–4. ——— Akute Infektionen der oberen Luftwege. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 111–30.

—— Disease: Control and prevention.

LLOYD, F. P. Organization of a large scale set-up for testing effect of control agents on respiratory disease. 5p. 28cm. Ottawa, 1944.

Forms No. C–6054A, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

—— CIPRIANI, A. J., & HUGHES, E. O. Progress report of field trials on the effect of blankets treated with perm-aseptic upon the incidence of respiratory disease [v. p.] 28cm. Ottawa, 1944.

Forms No. C–6054B of preceding project.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. NAVMED 284: The prevention of respiratory tract bacterial infections by sulfadiazine prophylaxis in the United States Navy. 162p. 23cm. Wash., 1944.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 47: Control of diseases of respiratory system and other diseases transmitted by discharge from respiratory tract. 25p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 112: Sulfadiazine prophylaxis of acute respiratory diseases. 4p. 26cm. Wash., 1944.

Anderson, P. H. R., Buchanan, J. A., & MacPartland, J. J. Oiled floors to control respiratory infection; an Army experiment. Brit. M. J., 1944, **1:** 616.—**Arnold, C. H.** The control of respiratory disease. Mil. Surgeon, 1930, **67:** 22–45.—**Beveridge, W. W. O.** Considerations in the prevention of respiratory affections. War Med., Par., 1918, **2:** 300–6.—**Coburn, A. F.** The prevention of bacterial respiratory tract infections by sulfadiazine prophylaxis. Bumed News Lett., Wash., 1944, **3:** No. 12, 1–9. ——— The prevention of respiratory tract bacterial infections by sulfadiazine prophylaxis in the United States Navy. J. Am. M. Ass., 1944, **126:** 88–93. ——— Mass sulfadiazine prophylaxis of respiratory diseases in the U. S. Navy. Bull. N. York Acad. M., 1945, **21:** 281–301.—**Control** of respiratory disease. Month. Health Rep. Mil. Distr. Washington, 1948, **1:** No. 4, 8.—**Control** of upper respiratory diseases. Bull. U. S. Army M. Dep., 1946, **6:** 675–8.—**Failure** of type specific Streptococcus pyogenes vaccine to prevent respiratory infections. U. S. Nav. M. Bull., 1946, **46:** 709–18.—**Gordon, J. E.** Control of common respiratory infections. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 3, No. 1, 12–6. ——— Chemoprophylaxis of respiratory infections. Ibid., 16–9.—**Loosli, C. G., Lemon, H. M.** [et al.] Studies on the transmission and control of respiratory disease within Army barracks; hemolytic streptococcal contamination of the environment. J. Infect. Dis., 1948, **82:** 59–71.—**MacLeod, C.** Newer concepts of control of respiratory diseases. Bull. U. S. Army M. Dep., 1947, **7:** 746.—**Mankin, G. H.** Compressed air as a possible factor in the prevention of respiratory disease. U. S. Nav. M. Bull., 1929, **27:** 73, pl.—**Prevention** of bacterial respiratory diseases at Naval training centers with sulfadiazine. Bull. Lederle Laborat., 1944, **12:** No. 2, 37–45.—**Prónay, G.** Felsőlégúti fertőzések és tonsillitis rheumás lázhoz való viszonyáról és megelőzésének lehetőségeiről. Honvédorvos, 1950, **2:** 665–9.—**Research** on prevention of respiratory diseases. Bull. U. S. Army M. Dep., 1944, No. 78, 1.—**Robertson, O. H., Hamburger, M.,** jr. [et al.] A study of the nature and control of air-borne infection in Army camps. J. Am. M. Ass., 1944, **126:** 993–1000.—**Sulfadiazine** in the prevention of respiratory diseases. Bull. U. S. Army M. Dep., 1944, No. 83, 5–7.—**Trapani, P.** Il trattamento arsenicale della mucosa del naso come misura profilattica. Ann. med. nav., Roma, 1930, **36:** 273–8.—**Warren, H. A.** Sulfonamide prophylaxis of common respiratory diseases. News Lett. AAF Rheumat. Fever Control, 1945, **2:** No. 8, 13–8.—**Wilson, O. G.** Sulfadiazine prophylaxis program at Lowry Field. Ibid., 18–28.

—— Disease: Etiology.

Bauer, F. K., & Watkins, J. H. Influenza and pneumonia. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 63.—**Breese, B. B., Stanbury, J.** [et al.] Influence of crowding on respiratory illness in a large naval training station. War Med., Chic., 1945, **7:** 143–6.—**Dingle, J. H.** Etiology of common respiratory disease, entailing human volunteers. Q. Progr. Rep. Com. Resp. Dis. U. S. Army, 1948, No. 9, 4–6.—**Effect** of the environment on respiratory diseases in the Army. Bull. U. S. Army M. Dep., 1946, **5:** 123–6.—**Francis, J.** The aetiology of respiratory diseases. J. R. Army Vet. Corps, 1943–44, **15:** 9.—**Infectious** diseases of respiratory tract. Bull. U. S. Army M. Dep., 1945, **4:** 332.—**Kehoe, E. J.** Nontuberculous respiratory diseases. Med. Bull. Veterans Admin., 1938–39, **15:** 155–9.—**MacLeod, C. M., & Wright, I. S.** Factors influencing the spread of respiratory infections at Truax Field, Wis., Chanute Field, Ill., and Scott Field, Ill. Rep. Pneumonia Com. U. S. Army, 1944–45, 22–5.—**Norris, R. F.** Observations on the epidemiology and bacteriology of acute respiratory tract infections among the Armed Forces of the tropical South Pacific. Med. Clin. N. America, 1944, **28:** 1418–27. ——— **Kern, R. A., & Musgrave, A. J.** Observations on bacteriology and epidemiology of acute respiratory tract infections in the tropics. U. S. Nav. M. Bull., 1944, **42:** 1039–46.—**Respiratory** allergies; bronchial asthma and hay fever. Res. Serv. M., 1946, No. 13, 2–20.

—— Disease: Incidence.

Acute respiratory disease among new recruits. Am. J. Pub. Health, 1946, **36:** 439–50.—**Biörck, G., & Wrange, G.** En anhopning av luftvägsinfektioner, i flera fall komplicerade av lungförändringar, på Sjökrigsskolavdelningen sommaren 1948. Tskr. mil. hälsov., 1949, **74:** 11–20.—**Common** respiratory disease and influenza. Health U. S. Army, 1950, **5:** 3–5.—**Infections** of the respiratory tract and infections transmitted by discharge from the respiratory tract. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 2, 7–10.—**Effect** (The) of the Christmas holiday on the reported respiratory disease incidence rate. Health U. S. Army, 1947, **2:** No. 9, 6.—**Feasby, W. R.** Acute respiratory disease in the Canadian Army. J. Clin. Invest., 1944, **23:** 949.—**Hare, R., Hamilton, J., & Feasby, W. R.** Influenza and similar respiratory infections in a military camp over a period of 3 years. Canad. J. Pub. Health, 1943, **34:** 453–64.—**Harmonic** analysis of respiratory disease incidence in the United States. Health U. S. Army, 1947, **2:** No. 8, 2–4.—**Infections** of the respiratory tract and infections transmitted by discharges from the respiratory tract. In: Prev. Med. in World War II, Wash., 1948, **8:** 197–201, ch.—**Jennings, C. G., Shott, K. V., & Martin, A. G.** The relative frequency of respiratory diseases and rheumatic fever at Kearns, Utah. News Lett. AAF Rheumat. Fever Control, 1945, **2:** No. 5, 6–11.—**Kuznecov, Z. G.** [Disease of the respiratory organs and prevalence of tuberculosis among the enlisted men of natives of the Caucasus] Voen. med. J., Petrogr., 1914, **241:** Med. spec. pt, 676–86.—**Leach, J. E.** Diseases and defects in aircrew trainees; pulmonary system. War Med., Chic., 1945, **8:** 5–8.—**MacLeod, C. M.** Survey of factors influencing the spread of respiratory infections at technical training command schools. News Lett. AAF Rheumat. Fever Control, 1945, **2:** No. 3, 3–8.—**MacNaught, W. W., & Murray-Lyon, R. M.** An analysis of acute respiratory conditions in African soldiers. Brit. M. J., 1943, **2:** 324.—**Prag, A. R.** [Frequency of infections of the respiratory tract in recruits on training ships in Karlskrona] Tskr. mil. hälsov., 1936, **61:** 232–43.—**Recent** (The) incidence of common respiratory disease and influenza. Health U. S. Army, 1949, **4:** 7–9.—**Respiratory** disease. Ibid., 1947, **2:** No. 3, 6–9.—**Respiratory** diseases. In: Prev. Med. in World War II, Wash., 1948, **3:** 11–4, ch.—**Schneierson, S. J., & Wilson, W. A.** Unusual feature of respiratory infections in a South Pacific area. U. S. Nav. M. Bull., 1945, **44:** 1010–2.—**Semour, S. L.** Infection of the upper respiratory tract in recruits in south Australia; Woodside throat, dogs' disease. Med. J. Australia, 1941, **1:** 5–7.—**Smiley, D. F.** The incidence of acute respiratory infections; the experience of the U. S. Navy since 1881. U. S. Nav. M. Bull., 1944, **42:** 17–26.—**Studies** on respiratory infection in barracks. Rep. Com. Airborne Infect. U. S. Army, 1944, 10–4, 2 ch.—**Studies** of respiratory infections in barracks at Camp Carson. Ibid., 1945, 4–9, tab.—**Uncorrected** (The) annual cycle of respiratory disease incidence. Health U. S. Army, 1947, **2:** No. 5, 2–5.—**Watt, J. G.** Upper respiratory

infections at the R. C. N. Hospital, Halifax. J. Canad. M. Serv., 1943–44, **1**: 449–52.

—— Disease: Pathology.

CALLENDER, G. R. Pathology of the acute respiratory diseases. p.1–405. 26cm. Wash., 1929.
In: Med. Dep. U. S. Army in the World War, 1929, **12**:

—— Pathological anatomy. p.196–387. 26cm. Wash., 1929.
In: Med. Dep. U. S. Army in the World War, 1929, **12**:

Bronchitis. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 33.—**Callender, G. R.** Lesions in organs outside of the respiratory tract. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **12**: 388–98. —— Pathology of the acute respiratory diseases; bacteriology. Ibid., 399–405.—**Chiara, G.** Contributo allo studio di patologia otorinolaringologica delle razze; malattie delle prime vie respiratorie e conformazione esterna della faccia. Gior. med. mil., 1942, **90**: 44–54.—**Constantinescu, C. D., Manu, N., & Ramniceanu, R.** Bronhectazia; considerata din punct de vedere medico-militar. Rev. san. mil., Bucur., 1936, **35**: 194–204.—**Freedman, A. M., & Mirsky, I. A.** Cold agglutinins in respiratory disease. Mil. Surgeon, 1944, **95**: 512–5.—**Meyer, F.** Bronchiektasie und das Syndrom Kartageners. Deut. Militärarzt, 1943, **8**: 197.—**Schreuder, M.** Enkele ziekelijke afwijkingen der eerste luchtwegen. Mil. geneesk. tschr., 1917, **21**: 429–43.—**Wiingaard, P.** Uspecifik Wassermann-reaktion og luftvejslidelser. Militaerlaegen, 1943, **49**: 101–7.

—— Disease: Treatment.

SZMURŁO, J. Alergiczne schorzenia górnego odcinka dróg oddechowych i najnowsze metody leczenia z uwzględnieniem leczenia zdrojowiskowego. [33]p. 24cm. Warsz., 1935.
Lek. wojsk., 1935, **26**: 1; 88.

Barach, A. L., & Brooks, J. W. Physiologic therapy in diseases of the respiratory system. Bull. U. S. Army M. Dep., 1948, **8**: 524; passim.—**Barach, A. L., Oppenheimer, E. T., & Forman, J.** Inhalation of penicillin in broncho-pulmonary infection. News Lett. AAF Rheumat. Fever Control., 1945, **2**: No. 3, 10–21.—**Espach, W. C., & Wildman, O.** Use of chlorine gas at the Naval Training Station, Hampton Roads, Va. U. S. Nav. M. Bull., 1925, **23**: 373–6.—**Judson, W. E.** Treatment of streptococcal upper respiratory infections. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 8, 2–6.—**Massa, M. A.** A propósito del tratamiento de Villafañe. Rev. san. mil., B. Air., 1938, **37**: 937–9.—**Rusk, H. A., & Van Ravenswaay, A. C.** Sulfadiazine in respiratory tract infections; its value in treatment during winter of 1942–43 at Jefferson Barracks. Missouri. J. Am. M. Ass., 1943, **122**: 495.—**Segal, M. S., Levinson, L., & Miller, D.** Terapêutica das infecções do aparelho respiratório pela inalação de penicilina (transl.) Arq. brasil. med. nav., 1947, **8**: 1271–89.—**Smith, W. A., & Baier, G. F.**, III. The therapeutic value of castor oil and magnesium sulphate in the treatment of acute upper respiratory disease. Mil. Surgeon, 1939, **84**: 16–23.—**Terry, L. L., & Friedman, M.** Oral penicillin in the treatment of acute respiratory infections; a preliminary report. Ibid., 1948, **103**: 377.

—— Injury.

See also **Injury**—by organs: Respiratory tract; also **Thoracic injury.**

Brewer, L. A., Burbank, B. [et al.] The wet lung in war casualties. Ann. Surg., 1946, **123**: 343–62.—**Joly & Idrac.** Un curieux cas de migration d'un corps étranger des voies aériennes chez un enfant. Bull. Soc. méd. mil. fr., 1932, **26**: 213–5.—**Negus, V. E.** Wounds of the air passages and air sinuses. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 654–69; 2. ed., Balt., 1942, **2**: 801–17; 3. ed., Edinb., 1944, 776–92.—**Sandiford, H. A.** An additional case of denture impacted in the air passages. J. R. Army M. Corps, 1936, **67**: 267.—**Szerreiks, E.** Fragen der ärztlichen Beurteilung und Begutachtung; Atmungsapparat (ohne Tbc.) In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 166–9.—**Tersen & Talbot.** Au sumet des fausses hémoptysies dues à la présence d'une sangsue dans les voies aériennes supérieures. Bull. Soc. méd. mil. fr., 1926, **20**: 142–4.—**Woods, S. H.** Five army cases of a denture impacted in the food or air passages. J. R. Army M. Corps, 1936, **66**: 240–8.—**Zagradsky, N. N.** K kazuistike ranenij verkhnikh dykhatelnykh putej. Voen. med. J., S. Peterb., 1913, **238**: Med. spec. pt, 377–86.

REST.

See also **Aviator**, Hygiene; **Flight personnel**, Hygiene.

Harris, R. I. Nephrolithiasis resulting from prolonged recumbency. J. Canad. M. Serv., 1944–45, **2**: 420–31.—**Keys.** Effects of bed rest on healthy young men. Bumed News Lett., Wash., 1945, **5**: 14.

RESTAURANT.

See also **Food handler.**

Carte (A la) vs table d'hôte meals in wartime. J. Am. Diet. Ass., 1943, **19**: 438.—**National** Restaurant Association wartime emergency conference. Ibid., 121.—**Restaurant** hygiene near military establishments. Health Bull., Richmond, 1941–42, **6**: 1.—**Restaurant** sanitation. Mil. Surgeon, 1942, **90**: 708.—**Van Auken, H. A.** Civilian eating establishments. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, 87–9. —— History of restaurant sanitation in the Calcutta area. Ibid., Suppl., 1–43, 8 pl. —— Calcutta's restaurants. Ibid., 7. —— Army efforts to control restaurant sanitation. Ibid., 9–11. —— Rules of hygiene for public eating places; revised October 1945. Ibid., 20–7.

RESTRAINING harness.

See under **Harness.**

RESTRICTED nutrition.

See under **Nutrition survey.**

RESUSCITATION.

See also **Heart; Oxygen therapy; Respiration**, artificial; **Wounded.**

GREAT BRITAIN. WAR OFFICE. Resuscitation; equipment, organization, training and procedures. 56p. 18cm. Lond., 1941. Also ed. 1942. Also another ed. 84p. Lond., 1944.

SWANN, H. G. Studies in resuscitation. 128p 27cm. Dayton, 1948.
Forms No. MCREXD-696-79G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Studies in resuscitation. 89p. 27cm. Dayton, 1949.
Forms No. MCREXD-696-79J of preceding project.

Beecher, H. K. Notes on the history of resuscitation in the Mediterranean Theater of Operations. Surg. Gyn. Obst., 1947, **84**: 989–96.—**Bolot & Dausset.** Chirurgie d'armée et réanimation. Marec méd., 1944, **23**: 243–6.—**Hoche, O.** Wiederbelebung. Med. Klin., Berl., 1940, **36**: 612.—**Hyman, A. S.** Resuscitation of the stopped heart by intracardial therapy; further use of the artificial pacemaker. U. S. Nav. M. Bull., 1935, **33**: 205–14, 4 pl.—**King, B. G., & Stannard, J. N.** Resuscitation methods for asphyxia. Bumed News Lett., Wash., 1945, **5**: No. 7, 1–5.—**Markowitz, J.** Resuscitation under spinal anaesthesia without drugs. J. R. Army M. Corps, 1946, **85**: 147–9.—**Müller, W.** Vergleichende experimentelle Untersuchungen über die Wirksamkeit von Wiederbelebungsmitteln. Veröff. Heer. San., 1936, H. 100, 37–43.—**Něgovski, V. A.** Obnovení životních funkcí organismu ve stavu agonie nebo v době klinické smrti. Voj. zdrav. listy, 1948, **17**: 266–76.—**Priest, R.** The treatment of suspended animation in 1824. J. R. Army M. Corps, 1932, **59**: 298–92.—**Resuscitation.** Hosp. Corps Q., 1943, **16**: No. 3, 133.—**Transfusion** and resuscitation. Bull. Army M. Dir., Lond., 1941, 3.

—— of wounded.

See also **Blood transfusion; Shock**, Treatment: Reanimation.

Benhamou, E. L'organisation de la réanimation-transfusion en Afrique française pendant la guerre. Bull. Acad. méd., Par., 1945, **129**: 195–8.—**Chute, A. L.** Resuscitation of the severely wounded. Bumed News Lett., Wash., 1945, **5**: No. 1, 13–8.—**Dick, D. S.** Resuscitation of battle casualties. Lancet, Lond., 1944, **2**: 170–2.—**Duchesne, G.** Les méthodes de réanimation des blessés. France méd., 1947, **10**: No. 4, 12.—**Fettes, D.** Methods of resuscitation of wounded. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., **1**: 52–71.—**Johnston, R. B.** Resuscitation of wounded. Brit. M. J., 1918, **1**: 231.—**Julliard, J., Pasquié, & Fettes, D.** Les méthodes de réanimation des blessés. Praxis, Bern, 1947, **36**: 455.—**Lalich, J. J., & Mason, J. M.**, III. Resuscitation of severely wounded casualties. Surgery, 1945, **18**: 741–53.—**Lathe, G. H., & Cameron, K. G.** Biochemical studies on wounded men; biochemical changes following resuscitation of wounded men. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C. 6243c, 1–6, 2 ch.—**Masseboeuf.** Eléments de statistique de l'organe de réanimation; transfusion dans l'armée. Réun. méd. chir. Armée fr., 1946, Num. spéc., 29.—**Miles, J. A. R.** The resuscitation of the severe air-raid casualty. S. Thomas Hosp. Gaz., Lond., 1942, **40**: 136–40.—**Milne, A. D.** Resuscitation of limb and abdominal wound cases in the field. J. R. Army M. Corps, 1948, **90**: 72–84.—**Page, A. P. M.** The resuscitation of war casualties. Nurs. Times, Lond., 1941, **37**: 968.—**Pasquié.** Les méthodes de réanimation chez les blessés. Rapp. Congr. internat. méd. pharm. mil., 1947, 11. Congr., **1**: 26–51.—**Ricard & Fanjeaux.** La réanimation-transfusion au cours des offensives d'Italie du

11 mai au 27 juillet 1944. Bull. internat. Serv. santé, Liége, 1946, 19: 7; 51; 94.—**Sevileano, E.** Faits précis acquis par la pratique de la réanimation aux armées. Med. Press Egypt, 1946, 38: 201–6.—**Tzanck, R.** Remarques sur la réanimation-transfusion au bataillon médical. Paris méd., 1945, 164–6.—**Wilson, T. S.** Resuscitation in battle casualties. J. Canad. M. Serv., 1944–45, 2: 520–30.

RESUSCITATOR.

See also **Respirator; Resuscitation.**

Cahan, A. M. Modification of Resuscitator and Inhalator, Item No. 37261. 9 l. 28cm. Dayton, 1944.
Forms No. ENG–49–660–49–G, Memo. Rep. Aero M. Laborat. U. S. Air Force.

King, B. G., Vollmer, E. P. [et al.] Evaluation of the Heidbrink Model-70 and Army Item No. 37261 positive pressure resuscitators and Kreiselman hand bellows resuscitator with field tests in collaboration with Naval Air Station, Lakehurst, N. J. 21p. 26½cm. Bethesda, 1945.
Forms Rep. No. 2, Res. Proj. X–486, U. S. Nav. M. Res. Inst.

Motley, H. L. Physiological and clinical studies on man with the pneumatic balance resuscitator Burns model. 10 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–49–0, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Naval Medical Research Institute. Evaluation of an improved Burns pneumatic balance resuscitator. 4p. 26½cm. Bethesda, 1946.
Forms Rep. No. 8, Res. Project X–486, U. S. Nav. M. Res. Inst.

Vollmer, E. P. Appraisal of two resuscitation devices made up of obsolete oxygen equipment. 5p. 26½cm. Bethesda, 1945.
Forms Rep. No. 4 of preceding project.

—— Evaluation of an improved Burns pneumatic balance resuscitator. 5p. 26½cm. Bethesda, 1946.
Forms Rep. No. 8 of preceding project.

—— & King, B. G. Some tests on the characteristics and performance of a Heidbrink positive pressure resuscitator. 5p. 26½cm. Bethesda, 1944.
Forms Rep. No. 1 of preceding project.

—— & Peck, J. A. Evaluation of the Burns pneumatic balance resuscitator. 10p. 26½cm. Bethesda, 1945.
Forms Rep. No. 5 of preceding project.

—— Evaluation of the Emerson automatic positive pressure resuscitator and inhalator assembly, defense model. 10p. 26½cm. Bethesda, 1945.
Forms Rep. No. 7 of preceding project.

Vollmer, E. P., Whaley, R. V., & Perkins, T. Appraisal of the University of California (Tobias Weitbrecht) manual resuscitator. 4p. 26½cm. Bethesda, 1945.
Forms Rep. No. 6 of preceding project.

Wulff, V. J. Resuscitation of dogs using the pneumatic balance resuscitator. 17 l. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–49–I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Burns, H. L. Pneumatic balance resuscitator. Air Surgeon Bull., 1945, 2: 306.—**Evaluation** of the Burns pneumatic balance resuscitator. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 27.—**Evaluation** of the Emerson automatic positive pressure resuscitator and inhalator assembly. Ibid., 29.—**Evaluation** of the Heidbrink model–70 and Army item No. 37261 positive pressure resuscitators and Kreiselman hand bellows resuscitator with field tests. Ibid., Jan.–June, 29.—**Improved** (An) positive pressure resuscitator-inhalator assembly designed for general Navy use. Ibid., 30.—**Jacobs, H. J.** Artificial respiration and the pneumatic balance, resuscitator. Bull. U. S. Army M. Dep., 1947, 7: 707–17.—**Portable** resuscitator. Ibid., 1945, No. 87, 7.—**Some** tests on the characteristics and performance of a Heidbrink positive pressure resuscitator; preliminary report. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 38.

RETENTION of missile.

See under **Foreign body,** gunshot.

RETICULOCYTE.

Guzman, S. [Effect of military exercises on the reticulocyte curve in the blood] Lek. wojsk., 1936, 27: 213–23.—**Mitrović, B.** [Study in the determination of reticulocytes in horses, dogs, and cats] Voj. san. glasnik, 1934, 5: 457–81.—**Taylor, T. W.** Staining reticulocytes. Hosp. Corps Q., 1943, 16: No. 4, 85.

RETICULOCYTOTOXIC serum.

See under **Serum.**

RETICULOENDOTHELIAL system.

Harada, H. Mōzyōsiki-naihi-saihō keitō kinō no kenkyū [Studies on the function of the reticulo-endothelial system] Kaigun gun-ikai zassi, 1929–30, 18: 392–410.—**Migunov, B.** Retikulo-endotelialnaja sistema. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1117–21.—**Pepper, O. H. P.** Reticulo-endothelial system in clinical medicine. Army M. Bull., 1941, 56: 11–8.—**Takano, Y.** Sosiki-baiyō-hō ni yoru mōzyōsiki-naihi-saihō keitō kinō no kenkyū [Studies on the function of the reticulo-endothelial system by means of tissue culture methods] Gun idan zassi, 1929, 113–44, pl.

—— Disease.

See also **Granuloma malignum.**

Hastings, E. V., & Thompson, R. M. A case of concurrent Boeck's sarcoid and Hodgkin's disease. Bull. U. S. Army M. Dep., 1949, 9: 593–8.—**Lev, M., & Hinkle, C. L.** Sarcoidosis; report of two cases. Ibid., 1946, 6: 617–22.—**Meneses Hoyos, J.** Algunas consideraciones acerca de la patología del sistema reticuloendotelial; las reticuloendoteliosis. Gac. méd. mil., Méx., 1930, 1: 18–24.—**Norman, I. L., & Shoemaker, W.** Sarcoidosis; report of six cases. U. S. Nav. M. Bull., 1949, 49: 407–22.—**Sabatier, Quillec & Debois.** A propos d'un cas de maladie de Besnier-Boeck-Schaumann à localisation pulmonaire. Bull. Soc. méd. mil. fr., 1948, 42: 91.—**Schwartz, R., & Levine, J.** Boeck's sarcoid. Med. Bull. Veterans Admin., 1943–44, 20: 445–8.—**Sidal, S., & Colpan, N.** Hummai racia âmilinin reticulo-endothelial şekilleri. Askerî sıhhiye mecmuası, 1947, 76: No. 50, 57–61.—**Strandberg, B.** [Two cases of benign lymphogranulomatosis] Tskr. mil. hälsov., 1941, 66: 68–76.—**Vickers, H. R.** A case of benign lymphogranulomatosis (Boeck's sarcoid) J. R. Nav. M. Serv., 1941, 27: 189–94.—**Vivas, J. R., Smith, H. A., & Jacobs, E. C.** Sarcoidosis; a review of 20 cases. Bull. U. S. Army M. Dep., 1949, 9: 829–37.—**Wilkins, J. H.** A case of equine sarcoid. J. R. Army Vet. Corps, 1949, 20: 80.

RETINA.

See also **Eye; Optic fascicle; Vision.**

Lucic, H. L. Retina and vitreous. p.816–78. 25cm. Chic., 1946.
In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1:
Also in Ophthalm. in the War Years (Wiener, M.) Chic., 1948, 2: 703–35.

Noell, W., & Chinn, H. I. The effect of anoxia on the neural mechanism of the retina. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 2; 1949, Jan., 7.—**Studnitz, G. v.** Research on structure of retina. Minutes Army Navy Vision Com., 1947, 18. meet., 97–9.

—— Disease.

See also **Blind; Eye,** disease; **Retinal detachment; Retinitis.**

Boyden, R. C., & Kettering, H. A. Occlusion of the central retinal vein; report of a case treated with heparin. U. S. Nav. M. Bull., 1948, 48: 912.—**Delaney, A. J., & Rhoades, A. L.** Angioid streaks of the retina; report of a case. Ibid., 1949, 49: 296; 572.—**Papagno, M.** Sull'angiospasmo retinico cronico negli arteriosclerotici. Gior. med. mil., 1940, 88: 737–49.—**Rajčević, N.** Embolia arteriae centralis retinae. Voj. san. pregl., Beogr., 1948, 5: 258–60.—**Schweinitz, G. E. de.** Congenital multilocular cysts in relation with the retina. In: Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 614, pl.—**Simazaki, S.** Gaisyō-sei mōmaku tyūsindōmyaku sensoku-go ni mitaru kōhan-bu kōketu keisei-syō no iti rei [A case of perforation of the macula lutea as a sequel of traumatic embolism of the central artery of the retina] Kaigun gun-ikai zassi, 1936, 25: 123–9, 2 pl.—**Zeligs, M. A.** Central angiospastic retinopathy; a psychosomatic study of its occurrence in military personnel. Tr. Am. Neur. Ass., 1946, 71: 23–8. Also Psychosomat. M., 1947, 9: 110–7.

—— Injury.

See also **Eye injury.**

Kola, C. *Lésions chorio-rétiniennes indirectes par blessures de guerre. 44p. 24cm. Par., 1939.

Clamann, H. G. Ueber Netzhautschädigungen bei Fliegern. Luftfahrtmedizin, 1937–38, **2**: 314–6.—**Dollfus, M. A.** Un caso de fototraumatismo retiniano bilateral, grave, por herida de guerra. Arch. Soc. oft. hisp. amer., 1946, **6**: 1116.—**Greenwood, A.** Injuries and diseases; retina and choroid. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 685.

RETINAL detachment.

Arruga, H. Encuesta acerca del tratamiento actual del desprendimiento de la retina. Rev. españ. med. cir. guerra, 1940, **5**: 341–50, 4 pl.—**Belot.** Les traitements modernes du décollement rétinien. Arch. méd. pharm. nav., 1931, **121**: 22–6.—**Croll, L. J.** End results in the treatment of retinal detachments at Crille General Hospital. Proc. Mil. Ophth. Meet., 1945, 56–66.—**Diathermy** tip for retinal operations. Bull. U. S. Army M. Dep., 1945, **4**: 10.—**Dickson, R. M.** Treatment of detachment of the retina. J. R. Army M. Corps, 1931, **57**: 129–31.—**Esteban, M.** Sobre los diversos tratamientos del desprendimiento retiniano. Rev. san. mil., Madr., 1930, **20**: 257–64.—**Goede.** Netzhautablösung und Tauglichkeit. Deut. Militärarzt, 1937, **2**: 458–60.—**Guillermin, M. G., & Pesme, J. L.** Le traitement chirurgical du décollement de la rétine. Rev. Serv. san. mil., Par., 1938, **108**: 421–62.—**Lacat.** Décollement de la rétine guéri. Bull. Soc. méd. mil. fr., 1928, **22**: 15–9.—**Mata López, P.** Encuesta sobre el actual tratamiento del desprendimiento de la retina. Rev. españ. med. cir. guerra, 1941, **6**: 85–95.—**Maxwell, H. C.** Detachment of the retina; the new surgical diathermic treatment. Mil. Surgeon, 1935, **76**: 259–61.—**Monterisi.** Distacco con vasta lacerazione della pars ciliaris retinae; e lussazione del cristallino, da causa traumatica. Ann. med. nav., Roma, 1910, **16**: 6–20.—**Neblett, H. C.** A case of retinal detachment in a pilot of the Air Service U. S. Army. Mil. Surgeon, 1923, **53**: 605–7.—**Pelayo y Martín del Hierro, M.** Encuesta acerca del tratamiento actual del desprendimiento de la retina. Rev. españ. med. cir. guerra, 1941, **6**: 1. ——— Tratamiento del desprendimiento no tumoral de la retina. Ibid., 339–44.—**Retinal** detachment apparatus. Bull. U. S. Army M. Dep., 1945, No. 84, 33.—**Süreyya Gördüren** [Detachment of the retina and trauma] Askerî sıhhiye mecmuası, 1939, **68**: No. 28, 48–52.—**Soria Escudero, M.** Tratamiento operatorio del desprendimiento de la retina. Rev. españ. med. cir. guerra, 1941, **6**: 2–9.—**Stallard, H. B.** Retinal detachment; a series of 78 cases in the Middle East Force. Brit. M. J., 1944, **2**: 329–33.—**Urbanek, J.** Spontane und traumatische Netzhautablösung (Transport) In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 393–400.—**Wilson, G. C.** The surgical treatment of retinal detachment. U. S. Nav. M. Bull., 1935, **33**: 379–86, pl.

RETINITIS.

See also **Night blindness,** Treatment.

Borley, W. E., McAlester, A. W., & Lower, R. A. Central macular chorioretinitis in naval personnel. U. S. Nav. M. Bull., 1945, **45**: 511–6.—**Bullwinkel, H. G.** Chorioretinitis juxtapapillaris, Jensen's disease. Ibid., 1948, **48**: 610–3.—**Denison, W. C.** Retinitis proliferans (Eales' disease) Ibid., 1944, **42**: 180–3.—**Harner, C. E.** Observations upon the apparent increased incidence of central retino-choroiditis. Ibid., 668.—**Kobal, R.** [Case of neuroretinitis albuminurica] Voj. san. glasnik, 1937, 8: 484–6.—**Koyama, A.** Itigan ni nomi sikiso no arawaretaru sikiso-sei mōmakuen no ni rei ni tuite [Unilateral retinitis pigmentosa] Gun idan zassi, 1928, 218–22, 2 pl.—**Kuboia, S.** Oguti-si-byō no tukite [Oguchi's disease] Ibid., 1927, 825–31, diagr.—**Lustig, S.** [The form of retinitis during the war] Allatorv. lap., 1917, **40**: 265.

RETRACTOR.

See under **Surgical instrument.**

RETRAINING.

See **Reconditioning; Rehabilitation; Training.**

RETROBULBAR neuritis.

See under **Optic fascicle.**

RETROPERITONEUM.

See also names of retroperitoneal organs as **Kidney; Pancreas,** etc.

Hines, R. E. Hypoglycemia apparently due to retroperitoneal sarcoma. Med. Bull. Veterans Admin., 1943–44, **20**: 102–5.—**Kates, S. R.** Retroperitoneal sarcoma. Ibid., 1941–42, **18**: 401–5.—**Sprinz, H., & Hall, J.** A case of retroperitoneal tumor. Bull. U. S. Army M. Dep., 1947, **7**: 391–5.

REVOLUTIONARY War (1775–83)

See under **Wars and campaigns.**

REVOLUTION in France (1780-1799)

See under **Wars and campaigns.**

REWARMING.

See under **Cold exposure.**

RHESUS factor.

See Rh factor.

RHEUMATIC fever.

See also **Heart,** Rheumatism; also **Polyarthritis.**

Sée, G. *Etude synthétique du rhumatisme articulaire aigu, maladie de Bouillaud, aux armées. 36p. 24½cm. Par., 1939.

United States. Medical Department. Technical bulletin TB MED 97: Rheumatic fever. 9p. 26cm. Wash., 1944.

Gray, J. A. C. Rheumatic fever. U. S. Nav. M. Bull., 1949, **49**: 1088–95.—**Green, C. A.** Acute rheumatism in the recruit. Med. Press & Circ., Lond., 1941, **205**: 523–6.—**Holbrook, W. P., & Van Ravenswaay, A. C.** The military aspects of acute rheumatic fever. Mil. Surgeon, 1945, **96**: 388–91.—**Jacobsson, E.** Den reumatiska feberns betydelse ur militär-medicinsk synpunkt. Tskr. mil. hälsov., 1948, **73**: 177–81.—**Kelson, S. R.** Information for the rheumatic fever patient in a military hospital. Mil. Surgeon, 1948, **102**: 219–21.—**Labarthe.** Sur le rhumatisme articulaire aigu (maladie contagieuse et épidémique) Bull. Soc. méd. mil. fr., 1936, **30**: 119–21.—**Maroon, J. L.** Patriot plus, mitral minus. Health, Mount. View, 1941, **8**: No. 10, 5.—**Massell, B. F., & Jones, T. D.** Some practical aspects of the rheumatic fever problem which have an important bearing in military medicine. Am. Heart J., 1944, **27**: 575–87.—**Rheumatic** fever. Bull. U. S. Army M. Dep., 1944, No. 76, 3–5.—**Rogers, J. A.** Rheumatic fever. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 144, 1.—**Stajić, A.** [Rheumatic polyarthritis in soldiers and cadets] Voj. san. glasnik, 1932, **3**: 122–39.—**Wendkos, M.** Rheumatic fever in the Army from the pediatrician's point of view. Am. J. Dis. Child., 1944, **68**: 222.—**Wyman, A. C.** Special problems in acute rheumatic fever. U. S. Nav. M. Bull., 1945, **44**: 316–27.

—— Clinical aspect.

Bradford & Webers, M. W. Case of rheumatic fever. Bull. U. S. Army M. Dep., 1947, **7**: 64–73.—**Ferrajoli, F.** Il reumatismo articolare acuto e i suoi esiti nell'esercito. Gior. med. mil., 1949, **96**: 56–88.—**Gardner, S.** Acute rheumatic fever; a review of 80 cases. U. S. Nav. M. Bull., 1942, **40**: 659–63.—**Kuznecova, V. N.** Osobennosti tečenija revmatizma u detej v gody Otečestvennoj vojny. Pediatria, Moskva, 1947, No. 4, 19–22.—**Millet & Mathey.** Observation d'une ataxie aiguë à rechutes survenue après un rhumatisme articulaire aigu. Bull. Soc. méd. mil. fr., 1937, **31**: 357–62.—**Nénon, J., & Picout-Laforêt, A.** Deux observations de formes atypiques de rhumatisme polyarticulaire aigu. Arch. méd. pharm. mil., 1935, **103**: 1045–9.—**Ors, J. P. d'.** Pancarditis y poliserositis reumática; nota clínica médica. Med. & cir. guerra, 1948, **10**: 235–7.—**Scotti Douglas, R., & Tucci, L.** Sulla polisierosite reumatica; osservazione di due casi personali. Gior. med. mil., 1940, **88**: 848–58.

—— Control and prevention.

Grand, M. J. H., Stanbury, J. B. [et al.] Rheumatic fever; a statistical analysis of incidence during sulfadiazine prophylaxis. U. S. Nav. M. Bull., 1946, **46**: 1793–801.—**Hirschberg, L.** [Preventive treatment in acute rheumatism in the Red Army] Voen. san., delo, 1931, 34–8.—**Holbrook, W. P.** The Army Air Forces Rheumatic Fever Control Program. J. Am. M. Ass., 1944, **126**: 84–7.

—— Diagnosis.

Castañeda Azcárate, R. La prueba de eritro-sedimentación en la infección reumática. Rev. méd. mil., Méx., 1939–40, 2: No. 11, 13–8.—**Nusret Karasu & Hakki Arsal** [Significance of the sedimentation reaction for diagnosis and treatment of acute, polyarthritic rheumatism] Askerî sıhhiye mecmuası, 1941, **70**: 66–9.

—— Etiology.

Bonnette. Rhumatisme poly-articulaire aigu provoqué par une contusion légère du gros orteil droit. Arch. méd. pharm. mil., 1908, **51**: 212–5.—**Ferrabouc, L., & Jude, A.** Rhumatisme articulaire aigu chez deux époux. Bull. Soc. méd. mil. fr., 1934, **28**: 261–4.—**Green, C. A.** Some observations on the possible streptococcal aetiology of acute rheumatism. J. R. Nav. M. Serv., 1939, **25**: 218–32.—**Jennings, C. G., Shott, K. V., &**

Martin, A. G. The relation between group A streptococcal infections and rheumatic fever. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 6, 8–14.—**Moore, M. R., & Hemphill, R. B.** Rheumatic fever like syndrome caused by microaerophilic streptococcus with favorable results on penicillin therapy; report of case. Mil. Surgeon, 1946, **98**: 27–35.—**Natali, C.** Il problema etiologico del reumatismo articolare acuto. Ann. med. nav., Roma, 1928, **34**: pt 2, 234–58.

—— Incidence.

See also **Respiratory system,** Disease: Incidence.

Connor, C. A. R. Experiences with rheumatic fever in the Army Air Forces. Am. J. Pub. Health, 1946, **36**: 236–43. Also Rev. cubana pediat., 1946, **18**: 320–4.—**Costedoat & Jeannest.** Le rhumatisme articulaire aigu dans l'armée. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., **53**: 1173–83.—**Feasby, W. R.** Rheumatic fever in the Canadian Army. War Med., Chic., 1944, **6**: 139–43.—**Ferguson, G. C.** Acute (febrile) polyarthritis in the Army. Canad. M. Ass. J., 1943, **49**: 492–6.—**Foster, R. F.** Rheumatic fever here and in the European Theatre of Operations. Northwest M., 1946, **45**: 503–6.—**Glover, J. A.** War-time decline of acute rheumatism. Lancet, Lond., 1943, **2**: 51.—**Green, C. A.** Epidemiology of haemolytic streptococcal infection in relation to acute rheumatism: haemolytic streptococcal epidemic and first appearance of rheumatism in a training centre. J. Hyg., Lond., 1942, **42**: 365–70. ——— Comparative incidence of various infections and acute rheumatism in certain training centres. Ibid., 380–92.—**Lhamon, R. M., Huntington, R. H.** [et al.] An epidemic of hemolytic streptococcus infection and rheumatic fever among naval trainees. Ann. Int. M., 1943, **19**: 107–11.—**Lundberg, V. L.** [Acute rheumatism of the joints in the Swedish Navy according to reports of the last ten years] Tskr. mil. hälsov., 1932, **57**: 1–12.—**Master, A. M.** Rheumatic fever in the Navy. U. S. Nav. M. Bull., 1943, **41**: 1019–21. ——— The problem of rheumatic fever in the Navy. Am. Heart J., 1944, **27**: 634–40.—**Meersseman, F., Duval, M., & Lacroix, J.** Quelques commentaires à propos de cent quatre-vingt-dix observations de rhumatisme articulaire aigu recueillies en milieu militaire. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., **53**: 1580–6.—**Mitchell, R. B., & Ravenswaay, A. C. v.** Infectious diseases; hemolytic streptococcic diseases and acute rheumatic fever in the AAF. Air Surgeon Bull., 1945, **2**: 311–4.—**Pasqualini, R. Q., Lascalea, M. C., & Franco, M. J.** La fiebre reumática en el Ejército argentino. Rev. san. mil. argent., 1948, **47**: 239–52.—**Plaveitch.** Les polyarthrites rhumatismales aiguës dans l'armée yougoslave. Rev. Corps san. mil., Par., 1946, **2**: 157.—**Rheumatic** fever in the Army Air Forces. Air Surgeon Bull., 1944, **1**: No. 8, 6–8.—**Rheumatic** fever in the postwar period. Statist. Navy M., 1950, **6**: No. 3, 9.—**Sprague, H. B., & McGinn, S.** Rheumatic fever and acute arthritis as causes for evacuation from South Pacific area. U. S. Nav. M. Bull., 1944, **43**: 1–3.—**Vesey, J. M.** Rheumatic fever in the Negro. Ibid., 1947, **47**: 805–9.—**Wartime** trends in rheumatic fever. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 9, 9.—**Wendkos, M. H., & Noll, J.,** jr. A survey of rheumatic fever in a large station hospital. Med. Clin. N. America, 1944, **28**: 124–47.—**Wheeler, S. M., & Ingraham, H. S.** Rheumatic fever outbreak at a technical training school. U. S. Nav. M. Bull., 1945, **45**: 253–63.—**Wilson, M. G., Payson, J. W., & Lubschez, R.** Experience of rheumatic patients who served in the armed forces, 1942–46. Am. J. Pub. Health, 1948, **38**: 398–402.—**Wright, I. S.** Experiences with rheumatic fever in the Army. Bull. N. York Acad. M., 1945, **21**: 419–32.

—— Pathology.

Bingham, C. T., Griffith, G. C. [et al.] Problem of recurrence in rheumatic fever. U. S. Nav. M. Bull., 1946, **46**: 367.—**Campbell, A. D., Griffith, G. C., & Leake, W. H.** Skin lesions of rheumatic fever. Ibid., 360–6.—**Kernan, F. M.** Electrocardiographic changes in rheumatic fever and scarlet fever. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 7, 10.—**Montgomery, H.** Capillary fragility in rheumatic fever. U. S. Nav. M. Bull., 1946, **46**: 1708–10.—**Pease, P. P., Steuer, L. G., & Peters, C. H.** The value of the electrocardiogram in acute rheumatic fever; report of three cases. Mil. Surgeon, 1944, **95**: 287–91.—**Pilod.** A propos de deux cas de rhumatisme articulaire aigu ayant débuté par des localisations pleurale et péritonéale. Bull. Soc. méd. mil. fr., 1928, **22**: 121–6.—**Tanay, A.** [Essential, acute rheumatism (specific, infectious rheumatism) and its pathological anatomy] Askeri sihhiye mecmuasi, 1937, **66**: 18–34.

—— Treatment.

Nelson, H. G. Studies on rheumatic fever; observations on the effect of tonsillectomy and the administration of penicillin on rheumatic and nonrheumatic fever patients. 29p. 27cm. Dublin, Ga., 1948.

Forms No. X–758 (Gen. 167) Res. Project U. S. Naval M. Res. Unit No. 4.

C., A. F. Plan for the care of patients with rheumatic fever. Bumed News Lett., Wash., 1944, **3**: No. 9, 7–9.—**Coburn, A. F.** The management of Navy personnel with rheumatic fever. U. S. Nav. M. Bull., 1943, **41**: 1324–8.—**Hartleben, H.** Die klinische Behandlung des akuten Gelenkrheumatismus. Deut. Militärarzt, 1936, **1**: 194–7.—**Levitt, L. M.** Development of acute rheumatic polyarthritis while under penicillin therapy. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 63–5.—**McEachern, G. C.** Use of oral and intravenous salicylates in acute rheumatic fever. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 4, 1–8.—**Manchester, R. C.** Rheumatic fever in naval enlisted personnel; effectiveness of intensive salicylate therapy in cases of acute infection. Arch. Int. M., 1946, **78**: 170–80.—**Martin, K. E.** Intravenous salicylates in rheumatic fever. U. S. Nav. M. Bull., 1945, **44**: 1000.—**Observations** on the efficacy of benadryl in the therapy of rheumatic fever. Ibid., 1948, **48**: 380–5.—**Ontaneda, L. E., & Argibay Molina, M.** Resultado del ensayo del tratamiento del reumatismo articular agudo por medio de soluciones diluidas de altas dosis de salicilato, administradas gota a gota, por vía endovenosa (por fleboclisis) Rev. san. mil., B. Air. 1935, **34**: 3–30. ——— & **García del Rio, J.** Modificaciones circulatorias consecutivas al tratamiento del reumatismo articular agudo, por medio del salicilato de sodio endovenoso (fleboclisis) a altas dosis. Ibid., 79–85.—**Penicillin** in active rheumatic fever. Bumed News Lett., Wash., 1944, **4**: No. 9, 4.—**Treatment** of rheumatic fever patients [form letter] Ibid., **3**: No. 8, 31.—**Twiss, J. R.** Penicillin in treatment of rheumatic fever and gonococcal infections. U. S. Nav. M. Bull., 1944, **43**: 1001–9.—**Varshavsky, K.** [Treatment of acute rheumatism] Voen. san. delo, 1937, No. 11, 90–3.—**Warren, H. A., Higley, C. S., & Coombs, F. S.** The treatment of acute rheumatic fever. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 10, 27–9.

—— Treatment: Convalescence.

Karpovich, P. V. Physical fitness tests for convalescents; a study of convalescing rheumatic fever patients. 13p. 27cm. Randolph Field, 1945.

Forms Rep. No. 4, Proj. No. 224, U. S. Air Force School Aviat. M.

Weiss, R. A. Physical training program for convalescent medical patients; program for patients recovering from rheumatic fever. v. p. [30]p. 27cm. Randolph Field, 1945.

Forms Rep. No. 3, Proj. No. 246, U. S. Air Force School Aviat. M.

Barber, H. S. Rheumatic fever in the R. A. F.; results of treatment at a convalescent centre. Brit. M. J., 1946, **2**: 83.—**Karpovich, P. V.** Physical reconditioning of rheumatic fever patients. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 4, 14–6.—**Miller, J. H.** Rheumatic fever at a convalescent center from March, 1944 to March, 1945. Ibid., No. 10, 30–4

RHEUMATISM.

See also **Disability,** Classification; **Heart,** Rheumatism; **Rheumatic fever.**

Congrès de la Ligue internationale contre le rhumatisme. Voj. zdrav. listy, 1948, **17**: 329.—**Constantinescu, C. D., & Manu, N.** [Rheumatic diseases] Rev. san. mil., Bucur., 1934, **33**: 3–21.—**Crowe, H. W., Irvine, L. C. D., & Coke, H.** Rheumatism. J. R. Nav. M. Serv., 1939, **25**: 232–49.—**Ferreira Chaves.** A propósito de um caso de reumatismo crônico. Rev. med. mil., Rio, 1934, **23**: 7–14.—**Fiessinger.** Reumatismo di guerra. Bibliogr. ortop., Bologna, 1940, **23**: 298.—**Françon, F.** Notes pratiques de rhumatologie militaire. Rev. rhumat., Par., 1940, **7**: 123–34.—**Guerrieri, P., & Lelong, M.** Quelques observations de rhumatisme des tranchées. Paris méd., 1915–16, **17**: 387.—**Heinemann, V.** Beurteilung rheumatischer Leiden im Militärdienst. Schweiz. med. Wschr., 1941, **71**: 1454–8.—**Hurst, A.** Rheumatism, sciatica, and hysterical postures and gaits. In his Med. Dis. War, 2. ed., Lond., 1941, 43–53.—**Hutchison, J. H.** Non-articular rheumatism in the Army; symptomatology, aetiology, treatment. Glasgow M. J., 1942, **137**: 33–42.—**Kushelevsky, B.** Revmatizm. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1074–8.—**Łukasiewicz, E.** [Rheumatic diseases in the Army] Lek. wojsk., 1935, **26**: 589–98.—**Mátyás, M.** Ueber Kriegsrheumatismus. Münch. med. Wschr., 1916, **63**: 259.—**Mester, A. J.** Rheumatism in the Army and the rational campaign against it. J. R. Army M. Corps, 1941, **77**: 24–8. ——— Walka z gośćcem, reumatyzmem, na terenie W. Brytanii. Lek. wojsk., 1942, **34**: 225–8. ——— The actual problems of rheumatism. Ibid., 1943, **35**: 56–64.—**Newby, G.** Rheumatism and the recruit. Med. Press & Circ., Lond., 1942, **208**: 87–90.—**Pemberton, R.** The importance of arthritis and rheumatoid conditions from the military standpoint. Mil. Surgeon, 1921, **48**: 681–9.—**Rihoux.** Les maladies rhumatismales devant les commissions de réparation. Ann. belg. méd. mil., 1948, **101**: 51–7.—**Savage, O.** Observations on rheumatic diseases under war conditions. Ann. Rheumat. Dis., Lond., 1940–41, 2: 211–5.—**Sowinski, K.** [Modern view-point on rheumatic affections] Lek. wojsk., 1935, **25**: 297–306.—**Weissenbach, R. J., & Françon, F.** Service de santé militaire et rhumatismes. Rev. rhumat., Par., 1939, **6**: 428–43.

—— Diagnosis.

Brousses, A. Pseudo-appendicite au début de la maladie rhumatismale. Bull. Soc. méd. mil. fr., 1938, **32:** 76–8.—**Gordon, R. G., & Kersley, G. D.** A note on the diagnosis and treatment of chronic rheumatic diseases in soldiers. J. R. Army M. Corps, 1942, **79:** 133–9.—**Hench, P. S., Osgood, R. B., & Wainwright, C. W.** An outline of the diagnosis and treatment of the common rheumatic diseases. Army M. Bull., 1942, No. 60, 1–23.—**Maliwa, E.** Zur Objektivierung der klinischen Befunde in der Rheumatologie. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 499–508.—**Rosen, C. D.** Diagnosis and treatment of fibrositis. Army M. Bull., 1942, No. 63, 128–31.

—— Incidence.

Chernoruckij, M. V. Revmatizmy v gody Velikoj otečestvennoj vojny i v poslevoennyj period. Klin. med., Moskva, 1947, **25:** No. 11, 66–72.—**Dundas-Irvine, L. C.** Rheumatism in the Navy. Rheumatism, Lond., 1946, **3:** 10–2.—**Korobov, D. M.** [Study of rheumatic diseases in the Red Army] Voen. med. Moskva, 1931, **2:** 66–76.—**Pohle, F.** Ueber Rheumatismus in der Kriegsmarine. Deut. Militärarzt, 1936, **1:** 106–16.—**Wilson, M. G., Payson, J. W., & Lubschez, R.** Rheumatic patients in the Armed Forces. Ann. Rheumat. Dis., Lond., 1948–49, 7: 38.

—— Pathology.

Barraux, A. A propos d'un cas de cellulo-cervico-brachialite. Bull. Soc. méd. mil. fr., 1935, **29:** 32–6.—**Gryboski, J. S.** Palindromic rheumatism. Bull. U. S. Army M. Dep., 1948, **8:** 550–3.—**Häufigsten** (Die) Rheumaformen im Militärdienst. Schweiz. med. Wschr., 1942, **72:** 799.—**Hennes, H.** Der Rheumatismus der unteren Gliedmassen, seine Erkennung und Beurteilung. Deut. Militärarzt, 1938, **3:** 311–5.—**Hill, N. G.** Observations on the aetiology of rheumatism. J. R. Army M. Corps, 1933, **61:** 350–5.—**Niculescu, S., & Ramniceanu, R.** Reumatismul cardiac solitar. Rev. san. mil., Bucur., 1937, **36:** 51–4.—**Oprescu, D., & Nichita, V.** Pericardita uscată reumatismală abarticulară. Ibid., 409.—**Panea, A., & Arsenie, M.** Reumatismul cerebral. Ibid., 307–10. ——— Două cazuri de reumatism visceral pur; pleuro-pericardită hemoragică primitivă. Ibid., 615–20.—**Puerto, V. S.** Inflamaciones reumáticas de la membrana vascular del ojo. Rev. san mil., Madr., 1909, **3:** 207; 233.—**Pugh, L. G. C., & Christie, T. A.** A study of rheumatism in a group of soldiers with reference to the incidence of trigger points and fibrositic nodules. Ann. Rheumat. Dis., Lond., 1945–46, **5:** 8–10.—**Repetti, L. P.** Reumatismo ocronotico. Rev. san. mil., B. Air., 1937, **36:** 92–4.—**Roca, C. A., & Lazaroni, A. F.** Traumatismo y reumatismo. Rev. san. mil. argent., 1948, **47:** 229–37.—**Uzawa, S.** Kinrheumatism (kintū-syō) ni tuite [Muscular rheumatism] Gun idan zassi, 1928, 1423–42.

—— Treatment.

Beckmann & Panse. Concerning the treatment and evaluation of rheumatism and neuritis; aggravation and psychic fixation. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 3, 243–7.—**Cianciara, H.** [Paul's cutivacciu in treatment of rheumatic affections] Lek. wojsk., 1930, **15:** 13–27.—**Coburn, A. F.** The disposition of patients stigmatized with rheumatic disease. U. S. Nav. M. Bull., 1943, **41:** 1695–701.—**Comment** combattre les atteintes rhumatismales chez les hommes en campagne. Gaz. méd. Paris, 1915, **86:** 7.—**Copeman, W. S. C.** Notes on treatment of the rheumatic diseases in the B. E. F. J. R. Army M. Corps, 1940, **74:** 277–85. ——— Treatment of the rheumatic diseases in the field. Brit. J. Phys. M., 1942, **5:** 161–5.—**Drag, J.** Physical therapy in rheumatism] Lek. wojsk., 1935, **25:** 307–26.—**Dumitrescu-Mante, & Ciorapciu, S.** Consideraţiuni asupra nefritei reumatismale şi tratamentul său prin salicitat de sodă. Rev. san. mil., Bucur., 1937, **36:** 149–55.—**Djakov, N. N.** Atofan pri lećenii revmatizma. Voen. med. J., S. Peterb., 1913, **237:** Med. spec. pt, 434–8.—**Fritz, W.** Rheuma-Fürsorge für Wehrmachtsangehörige und Kriegsbeschädigte. Zschr. Rheumaforsch., 1938, **1:** 431–6.—**Gsell, O.** Diätetik bei rheumatischen Erkrankungen und ihre Anwendung in Militärsanitätsanstalten. Schweiz. med. Wschr., 1942, **72:** 1029–32.—**Hare, R.** Memorandum on possible methods for the prevention of rheumatic manifestations in the Armed Forces. Canad. M. Ass. J., 1943, **48:** 116–21.—**Hench, P. S., & Boland, E. W.** The management of chronic arthritis and other rheumatic diseases among soldiers of the United States Army. Ann. Rheumat. Dis., Lond., 1945–46, **5:** 106–14.—**Henri.** Les conditions de la thérapeutique antirhumatismale d'entretien dans la pratique régimentaire. Bull. Soc. méd. mil. fr., 1935, **29:** 94–6.—**Lange.** Das Kriegslazarett als Rheumatikerbad. Zschr. phys. diät. Ther., 1917, **21:** 4–16.—**Neergaard, K. v.** Zur Pathologie und Therapie des Rheumatismus im Militär-Sanitäts-Dienst. Schweiz. med. Wschr., 1942, **72:** 774.—**Nikulin, N.** [Subsequent effect of balneotherapy on rheumatism] Voen. san. delo, 1935, No. 7, 8–12.—**Pelczár, K.** [Balneotherapy in rheumatism of adults] Lek. wojsk., 1936, **27:** 65–87.—**Savage, O.** Management of rheumatic disease in the Forces. Brit. M. J., 1942, **2:** 336–8.—**Schlichting, H.** Stangerbäder zur Behandlung des Rheumatismus. Deut. Militärarzt, 1936, **1:** 388–90.—**Shimshelevich, B., Nechaev, A., & Suchkova, Z.** [Application of physical culture in treatment of rheumatism] Voen. san. delo, 1935, No. 6, 31–43.—**Treatment** and disposal of rheumatic patients. Bull. Army M. Dep., Lond., 1943, Suppl. No. 3, 1–6.—**Turner, R.** Treatment of fibrositis by local injection. J. R. Army M. Corps, 1942, **78:** 77–85.—**Wiesinger, K.** Die Behandlung der Rheumatiker im Truppenkrankenzimmer und die Beurteilung ihrer Diensttauglichkeit. Schweiz. med. Wschr., 1942, **72:** 800.

RHEUMATISM center.

Army (The) rheumatism centers. Bull. U. S. Army M. Dep., 1946, **5:** 655–62.

RH factor.

See also **Blood group.**

Badré, R. Les groups sanguins et le facteur Rhésus. Rev. méd. nav., Par., 1948, **3:** 43; 167.—**Berendt de Oliveira, O.** Transfusão de sangue e fator Rh. Rev. med. mil., Rio, 1947, **36:** 9–13.—**Dahr, P.** Die bisherigen Untersuchungen über die Vererbung der neuen agglutinablen Blutkörpercheneigenschaft Rh. Bull. War M., Lond., 1942–43, **3:** 448 (Abstr.)—**Engelfried, J. J., & Henry, F. R.** Production of anti-Rh sera from placental tissue of sensitized women. U. S. Nav. M. Bull., 1948, **48:** 370–2.—**Herszenhorn, B.** O czynniku Rh i jego znaczeniu w klinice. Lek. wojsk., 1946, **37:** 57–60.—**Howell, R. P., & Hobbs, R. E.** A hemolytic transfusion reaction due to the Rh factor. Mil. Surgeon, 1944, **94:** 269.—**Hunt, W.** The Rh factor. U. S. Nav. M. Bull., 1947, **47:** 663–71.—**Levine, P.** Clinical importance of Rh factor. Bull. U. S. Army M. Dep., 1948, **8:** 139–45.—**Rh** antibody titers. Med. Bull. U. S. First Army, 1948, **3:** 7.—**Rh** testing in pregnancy. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 8, 10.—**Sadettin Yarar, Y.** Rhesus faktörü. Askerî vet. mecmuası, 1948, **26:** 141–3.—**Schrader, E. F.** The Rh factor. Hosp. Corps Q., 1949, **22:** No. 4, 20.—**Wiener, A. S.** Diagrammatic representation of the Rh blood types. Bull. U. S. Army M. Dep., 1946, **6:** 311–20.

RHINITIS.

See **Nose,** Disease.

RHINOSPORIDIOSIS.

See under **Nose,** Disease.

RHUS.

See also **Poison,** plant.

Hinman, F., jr. Contact dermatitis from Japanese rifles. Ann. Allergy, 1946, **4:** 384–7.—**Lazell, E. W.** The treatment of hay fever and ivy poisoning by local desensitization with sodium oleate and salts of other unsaturated fatty acids. Med. Bull. Veterans Admin., 1937–38, **14:** 216–9.—**Manlove, W. R.,** jr. Ivy poisoning (rhus dermatitis) U. S. Nav. M. Bull., 1935, **33:** 183–7.—**Poison-ivy** cure. Time, 1942, **40:** October 19, No. 16, p. 56.—**Sulzberger** [et al.] Protection against poison ivy. Bumed News Lett., Wash., 1944, **4:** No. 10, 13.

RIB.

See also **Thorax.**

Acharya, B. S. S. Two cases of Tietze's disease. J. R. Army M. Corps, 1944, **83:** 148–50.—**Ayres, W. W.** [Chondroma of rib] U. S. Nav. M. Bull., 1948, **48:** 941–7.—**Kōno, S.** Gasu-eso, hasyōhū, oyobi kyōmi-aru sinkō-sei nankotu-esi wo keika-seru sensyō-kanzya no tiken rei [Successful treatment of a war wound case of progressive costal cartilage necrosis, complicated by gas gangrene and tetanus] Kaigun gun-ikai zassi, 1940, **29:** 285–91.—**Somerville, I. F.** Case of congenital rib deformity. J. R. Army M. Corps, 1941, **76:** 350.—**Yosida, H.** Kakotu-sei rokkotu-rokunankotumakucn ni tuite; hu, iwayuru rokunankotu isyuku-syō no iti rei [Periostitis ossificans of the ribs and the rib cartilages; supplement, a case of the socalled rib cartilage atrophy] Kaigun gun-ikai zassi, 1938, 27: 394–405, pl.

—— cervical.

Douglas, J. H. Another interesting case from an out station. J. R. Army M. Corps, 1923, **40:** 299.—**Faraone, V.** Un caso di costola cervicale. Gior. med. mil., 1927, **75:** 245–51.

—— Fracture.

See **Fracture**—by site: Rib; also **March fracture.**

RIBOFLAVIN.

See under **Vitamin.**

RICIN.

United States. Army. Chemical Corps. Medical Division. The quantitative determination of ricin by hemagglutination. 15 l. 28½cm. Edgewood Arsenal, 1945.
Typewritten.

RICKETS.

See also **Malnutrition; Vitamin deficiency.**

Gedda, E. [Measures against national hygienic defects; postrachitic deformities; struma; struma heart; amblyopia ex anopsia] Tskr. mil. hälsov., 1935, **60**: 249–94.—**Lèri, A., & Beck, T.** Le petit rachitisme; leurs caractères physiques et mentaux; leur importance; leur origine; leur valeur au point de vie militaire et social. Ann. méd., Par., 1919, **6**: 449–68.

RICKETTSIA.

New rickettsia-like agent. Res. Program U. S. Army M. Res. Bd, 1947, Apr., 47.—**Tigertt, W. D.** Isolation of viruses and rickettsiae. Circ. M. Sect. Far East Command, 1947, No. 6, 17.—**Zwierz, J** [Investigation of the virus of exanthematous fever in wild rats] Lek. wojsk., 1936, **28**: 677–92.

—— R. conorii.

See **Rickettsiasis** (conorii)

—— R. (Coxiella) burnetii.

See **Rickettsiasis** (**burnetii**)

—— R. melophagi.

Katic, R. V. [Rickettsia melophagi and its spread among sheep and ectoparasites] Voj. san. glasnik, 1940, **11**: 523–7.

—— R. mooseri.

See **Rickettsiasis,** murine.

—— R. orientalis.

See also **Rickettsiasis** (**orientalis**)

Diercks, F. H., & Tibbs, R. O. A rapid method for the staining of Rickettsia orientalis. 3p. 27cm. Bethesda, 1946.
Forms Rep. No. 8, Res. Proj. X–222, U. S. Nav. M. Res. Inst.

Hayakawa, K., & Hokari, K. Comparative studies on tropical tsutsugamushi disease and Japanese tsutsugamushi disease (tropical tsutsugamushi disease pathogenic agent: Rickettsia orientalis var. tropica) 22 l. 27cm. n. p., 1945.
Forms No. 100, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

Hokari, K. On the tropical tsutsugamushi disease occurring in the suburbs of Singapore in June 1944. pt 2: Study of the pathogen host and the tropical tsutsugamushi disease virus isolated from the wild rat. 13 l. 27cm. [n. p.] 1945.
Forms No. 108 of preceding project.

Takegawa, S. Research concerning infection process of tropical tsutsugamushi disease in Java. pt 2: Animal hosts of tsutsugamushi disease in Java. 9 l. 27cm. [n. p.] 1945.
Forms No. 102 of preceding project.

—— [The same] ... Pt 4: Isolation and test of Rickettsia virus taken from kedani vector of tropical tsutsugamushi disease in Java. 19 l. 27cm. [n. p.] 1945.
Forms No. 104 of preeeding project.

—— [The same ... Pt 5: On the new kedani larva found in Java. 13 l. 27cm. [n. p.] 1945.
Forms No. 126 of preceding project.

—— R. prowazekii.

See also **Rickettsiasis,** louseborne.

Ciuca [et al.] Contributions to the study of the virulence of Rickettsia prowazeki. Bull. War M., Lond., 1942–43, **3**: 569 (Abstr.)

—— R. prowazekii var. mooseri.

See **Rickettsiasis,** murine.

—— R. quintana.

See also **Rickettsiasis** (**quintana**)

Unger. Ueber Rickettsien, Nachweis im Blut und im Liquor cerebrospinalis bei Wolhynischem Fieber. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 153–5. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 180–3.

—— R. rickettsii.

See also **Rickettsiasis,** tickborne; **Rickettsiasis** (**rickettsii**)

Faby, J. E. The Rocky Mountain fever tick. U. S. Veterans Bur. M. Bull., 1931, **7**: 33–8.

—— R. rocha-limae.

Weigl, R. Rickettsia rocha-limae; nova species. Lek. wojsk., 1921, **2**: 257–64.

—— R. tsutsugamushi.

See **Rickettsia,** orientalis.

RICKETTSIASIS.

Syn.: Exanthematic typhus; Typhus fever.

Germany. Oberkommando des Heeres. H. Dv. 1a. Anh. 2. Merkblatt 53c/55: Das Fleckfieber; Vorbeugung, Erkennung, Behandlung. 14p. 21cm. Berl., 1942.

Jame, L. E. P. G., & Aujaleu, E. J. Y. Les fièvres typho-exanthématiques ou rickettsioses. p.445–98. 24cm. Par., 1935.
Arch. méd. pharm. mil., 1935, **102**:

Boldyrev, T. Sypnoj tif (typhus exanthematicus) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 406–16.—**Burnett, W.** An account of a contagious fever; typhus. J. R. Nav. M. Serv., 1940, **26**: 6–15.—**Dauthuile.** Quelques réflexions au sujet de l'état actuel de nos connaissances sur le typhus exanthématique. Bull. Soc. méd. mil. fr., 1910, **4**: 280–8.—**Eyer, H.** Fleckfieber. In: Wehrhygiene (Handloser, S.) Berl., 1944, 49–57.—**Folena, U.** Il tifo esantematico. Gior. med. mil., 1941, **89**: 641–58.—**Giroud.** Typhus. CIOS Rep., Lond., 1944, Item 24, No. I–9&10, II–9, 4.—**Gray, G. H.,** jr. A review of rickettsial diseases and report of a typhus epidemic. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 6, 8–10.—**Harvey, D.** Typhus fevers. J. R. Army M. Corps, 1935, **65**: 1–8.—**Hume, E. E.** Rickettsial diseases. Mil. Surgeon, 1943, **93**: 237–51.—**Kemal Hüseyin Plevnelioğlu.** Lekeli humma aşisi. Askerî sıhhiye mecmuası, 1945, **74**: No. 44, 18–24.—**Lafforgue.** A propos du typhus exanthématique. Bull. Soc. méd. mil. fr., 1909, **3**: 355–9.—**Maner, R., & Koç, K.** Birleşik devletlerde ve amerikan ordusunda tifo. Askerî sıhhiye mecmuası, 1947, **76**: No. 50, 12–4.—**Myers, D. W.** Typhus fever, war fever, prison fever, Brill's disease, tabardillo. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, **2**: 1704–6.—**Stephenson, C. S.** Epidemic typhus fever and other rickettsial diseases of military importance. N. England J. M., 1944, **231**: 407–13.—**Stimpert, F.** Rickettsial infections in war. J. Bact., Balt., 1943, **45**: 63 (Abstr.)—**Suhateanu, C.** Le danger du typhus exanthématique. Sess. Off. internat. docum. méd. mil., 1937, **7**. Sess., 141–55.—**Sylla, A.** Fleckfieberbeobachtungen. Deut. Militärarzt, 1944, **9**: 263–72.—**Tifus** exantemático. Rev. san mil., Madr., 1910, **4**: 8; passim.—**Typhus** exanthematicus. Bull. Army M. Dir., Lond., 1942, No. 12, 1–7. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 40–3.—**Typhus** group of fevers. J. R. Army M. Corps, 1935, **64**: 187.—**Wohlrab, R.** Die Fleckfieber. Veröff. Marine San., 1942, H. 34, 102–4.—**Zdrodovsky, P.** Rikketsiozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1145–51.

—— Clinical aspect.

Chulkov, P. S. Tonus ven i venoznoe davlenie pri sypnom tife. Sborn. tr. Voen. med. akad. Kirov, 1949, **43**: 170–84.—**Cleave, T. L.** A case of typhus fever. J. R. Nav. M. Serv., 1939, **25**: 72. —— Two cases of typhus fever. Ibid., 418–21.—**Davide, H.** Fläckfeberns klinik, epidemiologie och bekämpande. Tskr. mil. hälsov., 1944, **68**: Suppl., 142–64.—**Ipatova, N. N.** Klinićeskaja kharakteristika sypnogo tifa v period Velikoj otećestvennoj vojny. Sovet. med., 1948, **12**: No. 3, 21–3.—**Kuhlmann, F., & Heinrich, K.** Ueber Kreislaufstörungen beim Fleckfieber. Deut. Militärarzt, 1943, **8**: 679–83.—**Lewicki, E.** Ein Beitrag zur Klinik und Diagnose des Fleckfiebers. Bull. War M., Lond., 1942–43, **3**: 630 (Abstr.)—**Lewis, B. S.** An anomalous case of typhus. J. R. Nav. M. Serv., 1936, **22**: 345.—**Liebau, G.** Einige Beobachtungen zur Klinik des Fleckfiebers. Bull. War M., Lond., 1942–43, **3**: 285 (Abstr.)—**Mustafa Kurtaran** [Clinical data on Oriental rat typhus and exanthematous fever] Askerî sıhhiye mecmuası, 1940, **69**: 88–100.—**Rigler, R.** Physiologisch-chemische Untersuchungen bei Fleckfieberkranken. Deut. Militärarzt, 1944, **9**: 377–80.—**Rudolf, A.** Śmiertelność w durze plamistym w

szpitalu polowym 303. Lek. wojsk., 1920, 1: No. 31, 11–3.—**Sadullah Nutku** [Case of typhus with the course of typhoid] Askerî sıhhiye mecmuası, 1940, 69: 101, ch.—**Stanescu, M.** [Case of exanthematic typhus] Rev. san. mil., Bucur., 1934, 33: 604–5.

—— Complications.

Claus, G. Ueber Mittelohr- und Warzenfortsatzentzündung bei Fleckfieber. Deut. Militärarzt, 1944, 9: 366–70.—**Fanta, H.** Konvergenzstörungen nach Fleckfieber. Ibid., 1943, 8: 20–5.—**Jents, E.** Beitrag zur Otologie des Fleckfiebers. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 1: 426–32.—**Müller, H. K.** Bericht über augenärztliche Befunde bei Fleckfieberkranken. Deut. Militärarzt, 1943, 8: 179–82.—**Raven, R. W.** The surgical complications of typhus fever. J. R. Army M. Corps, 1944, 83: 119–22.—**Sautter, H.** Fleckfieber und Auge. Vjschr. schweiz. Sanitätsoff., 1943, 20: 78 (Abstr.)—**Tikhomirov, V. V.** Ob osloźnenijakh i neblagoprijatnykh posledstvijakh sypnogo tifa. Voen. med. J., S. Peterb., 1894, 179: Unoff. pt, 1. sect., 369–76.

—— Control.

See also **Disinfestation; Lousiness;** also subheading (Immunization and vaccination)

Brauer, L., & Moldovan, J. Die Erkennung und Verhütung des Fleckfiebers und Rückfallfiebers; nebst, Vorschriften zur Bekämpfung der Läuseplage bei der Truppe. 2. Aufl. 43p. 8° Würzb., 1916.

Luzzatto, A. M. La difesa contro il tifo esantematico o petecchiale. 16p. 16° Milano, 1915.

Forms No. 14, Probl. san. guerra.

Wolter, F. Ueber das Fleckfieber als Kriegsseuche; mit besonderer Berücksichtigung der Prophylaxe. 89p. 21cm. Berl., 1943.

Alarco, G. Programa general para la lucha contra el tifus exantemático. Rev. san. mil., Lima, 1928, 1: 36–41.—**Babecki, J.** [Exanthematic fever and its prevention] Lek. wojsk., 1937, 30: 201; 271.—**Bass, R.** Die sanitätspolizeiliche Bekämpfung des Fleckfiebers im Felde. Münch. med. Wschr., 1917, 64: 1088.—**Brunet, F.** Protection sanitaire maritime contre le typhus exanthématique par les savons parasiticides servant également à l'eau douce et à l'eau de mer. Arch. méd. pharm. nav., 1924, 114: 350–6.—**Conseils** aux médecins pour la lutte contre le typhus exanthématique et pour leur protection quand ils soignent cette maladie. Rev. internat. Croix Rouge, 1941, 23: 834.—**Eyer, H.** Die vorbeugende Fleckfieberbekämpfung beim deutschen Heer. Illustrierte Ztg, 1941, Mai 1, p. 444.—**Gordon, J. E.** Field operations in typhus control, ETOUSA. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 5, No. 1, 20.—**Instructions** for the campaign against typhus; circular of the Reichs-Minister of the Interior, dated 13th February, 1942. Bull. War M., Lond., 1942–43, 3: 335 (Abstr.)—**Instructions** pour l'épouillage dans le typhus exanthématique. Rev. internat. Croix Rouge, 1941, 23: 834.—**Jakobson, L. A.** O borbe s sypnym tifom na teatre voennykh dejstvij. Russ. vrach, 1905, 4: 1381–83.—**Kikuta, K.** Syōwa zyūiti-nen si-gatu Mansyūkoku Kōkyō-ken Kōkyō syubi-tai haken bōekihan sagyō hōkoku [Report on the work of the prophylactic unit sent by the garrison in Hsing-ching, Hsing-ching Province, Manchuria, in April 1936] Gun idan zassi, 1938, 328–36.—**Malinowski, A.** [Exanthematic fever and its prevention] Lek. wojsk., 1937, 30: 652–66.—**Mariani, G.** La profilassi e lo studio delle rickettsiosi nell'A. O. I. Gior. med. mil., 1940, 88: 645–51.—**Moser, H.** A propos de la lutte contre le typhus exanthématique et la fièvre récurrente épidémiques. Militärsanität, Zür., 1942, 24: 41; passim.—**Nicolesco, P.** La prophylaxie du typhus exanthématique dans le Corps médical. Bull. Acad. méd. Roumanie, 1939, 4: 513–5.—**Nicolle, C., & Conseil, E.** Nécessité des mesures à prendre pour préserver nos armées en campagne du typhus exanthématique et du typhus récurrent. Rev. hyg., Par., 1915, 37: 18–20.—**Prevention** of typhus fever. J. R. Army M. Corps, 1937, 69: 261–5.—**Przesmycki, F.** [Activity of the State Hygienic Institute for prevention of exanthematic fever in Poland] Lek. wojsk., 1937, 29: 461–6.—**Ryžov, A. A.** [Subterranean chambers for the fight against typhus fever in the village] Bull. War M., Lond., 1943–44, 4: 95 (Abstr.)—**Skvorcov, V. V.** [Prophylaxis of typhus at evacuation stages] Voen. san. delo, 1943, No. 2, 41–3.—**Suhaţeanu, C. S.** [Prevention of exanthematic typhus by military surgeons] Rev. san. mil., Bucur., 1934, 33: 715–9.—**Sulima, K. P.** K voprosu o sanitarnykh merakh protiv razvitija sypnogo tifa v dejstvujuśćej armii. Tr. Vrem. med. obść. Daln. Vost., Kharbin, 1904, 1: 54–63.—**Treatment** of vessels carrying prisoners of war or other persons from ports or places known or suspected of having typhus [form letter] Bumed News Lett., Wash., 1944, 3: No. 8, 25.—**Typhus** control. Mil. Surgeon, 1942, 90: 711; 91: 117. Also in: Malaria Control in War Areas, Atlanta, 1945–46, 19–24.—**Typhus** investigations. Ibid., 75.—**Wiley, J. S.** Typhus control program of the U. S. Public Health Service. Malaria Contr. in War Areas, 1945, July, 1–11.

—— Diagnosis.

See also **Weil-Felix reaction.**

Hokari, K., & Itikawa, R. On a precipitation reaction kit for rickettsiosis diagnosis. 8 l. 27cm. [n. p.] 1945.

Forms No. 116, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

Barbolin, A., & Polonskaja, V. O sposobe vzjatija krovi dlja reakcii Vidal i Weil-Felix v polevykh uslovijakh. Voen. san. delo, 1940, No. 4, 58–61.—**Bearcroft, W. G. C.** Typhus Rickettsial agglutination tests in the Middle East Forces and Egypt. Edinburgh M. J., 1943, 50: 257–72.—**Canova, F.** Il liquor cefalo-rachidiano nel tifo esantematico. Ann. med. nav., Roma, 1939, 45: 261–5.—**Cheney, G. C., & Denenholz, E. J.** The diagnosis of rickettsial diseases; report of an unusual case with jaundice. Mil. Surgeon, 1944, 94: 9–20.—**Ding, E.** Zur serologischen und mikrobiologischen Diagnostik des Fleckfiebers. Bull. War M., Lond., 1942–43, 3: 675 (Abstr.)—**Eyer, H.** Die serologische Fleckfieberdiagnose unter Feldverhältnissen. Wien. med. Wschr., 1943, 93: 489. ——— **& Brix, W.** Die orientierende Probeagglutination als diagnostischer Schnelltest; die serologische Fleckfieberdiagnose unter Feldverhältnissen. Deut. Militärarzt, 1943, 8: 193. Also English transl., CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 191–3.—**Giacanelli, V. U.** Note pratiche di diagnostica differenziale del tifo esantematico. Gior. med. mil., 1942, 90: 174–86.—**Hallmann, L.** Serologische Schnellreaktion zur Fleckfieberdiagnose am Krankenbett. Deut. Militärarzt, 1942, 7: 196–8.—**Hoff, F., & Brunn, E. v.** Krankheitsbild und Differentialdiagnose des Fleckfiebers. Bull. War M., Lond., 1942–43, 3: 454 (Abstr.)—**Maly, G.** Die Bedeutung der Weil-Felixschen Reaktion beim Fleckfieber und die Behandlung desselben mit Rekonvaleszentenblut. Ibid., 397 (Abstr.)—**Oprescu, D., & Sonea.** [Importance of clinica and bacteriologic diagnosis in primary cases of exanthematic typhus] Rev. san. mil., Bucur., 1931, 30: 321–3.—**Osokin, V. N.** O vnutrikoźnoj probe dlja diagnostiki sypnogo tifa. Voen. med. J., Moskva, 1945, No. 7, 31–3.—**Raettig, H.** Die Blutsenkung bei Fleckfieber; ein Beitrag zur Frühdiagnose. Deut. Militärarzt, 1944, 9: 5–7.—**Schäfer, W.** Ueber eine Methode zur Schnelldiagnose des Fleckfiebers am Krankenbett. Bull. War M., Lond., 1942–43, 3: 631 (Abstr.)—**Steuer, W.** The dry-blood agglutination test in infectious diseases, and its application in the control of typhus fever ocurring in epidemic and endemic form. Ibid., 1941–42, 2: 397 (Abstr.)—**Tietz & Carlé.** Fleckfieber-Schnellreaktion mit Trockendiagnosticum Krakau. Deut. Militärarzt, 1942, 7: 399. Also CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 194–6.

—— endemic.

See subheading (murine)

—— Etiology.

See **Rickettsia.**

—— flea-borne.

See **Rickettsiasis,** murine.

—— Immunization and vaccination.

American soldiers escape typhus. J. Am. M. Ass., 1943, 122: 236.—**Burkamin, A. V., & Osadčaja.** [Clinical characteristics of typhus in those vaccinated by Krontovskaja's method] Voen. med. J., Moskva, 1944, June, 39.—**Clauberg, K. W., & Sartorius, F.** Weitere experimentelle Untersuchungen über aktive Schutzimpfung gegen Ruhr und Typhus, zugleich ein Beitrag zur Frage der einzeitigen Typhusprophylaxe. Bull. War M., Lond., 1942–43, 3: 215 (Abstr.)—**Criado Cardona, R.** Profilaxis del tifus exantemático. Rev. españ. med. cir. guerra, 1941, 6: 193–210.—**Danielopolu, D., Lupu, N.** [et al.] Sur le typhus exanthématique de guerre et sur l'utilité de la vaccination antiexanthématique. Gaz. hôp., 1940, 113: 81. Also Monaco méditer. méd., 1940, 7: 42.—**Eyer, H.** Typhus fever vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXIX–35, 14–6.—**Fernández Vázquez, L.** Resultados de una campaña vacunal anti-exantemática. Rev. españ. med. cir. guerra, 1943, No. 54, 138–49.—**Gordon, J. E.** Immunization against typhus fever. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 5, No. 1, 8.—**Graciân, M.** La profilaxis del tifus exantemático por medio de la vacunación. Rev. españ. cir. guerra, 1941, 387–99.—**Haas, R.** Typhus vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXII–13, 8–10.—**Immunization** against typhus. J. R. Army M. Corps, 1942, 79: 143.—**Krontovskaja, M. K.** Vakcinacija protiv sypnogo tifa. In: Dost. sovet. med. Otec. vojny, 1943, 1: 17–26.—**Laurens, J. R., Fort, P. C. L., & Bernier, G. L.** La vaccination contre le typhus exanthématique; l'expérience marocaine (1937–38) application en milieu militaire à Casablanca. Rev. Serv. san. mil., Par., 1939, 110: 157–95.—**Mathews, G. B.** Schutzimpfung gegen Fleckfieber nach Weigl. Deut. Militärarzt, 1928, 3: 362.—**Mikhelson, G. A.** Vakcinacija protiv sypnogo tifa. Voen. san. delo, 1941, No. 3, 45–9.—**Mückter, H.** Typhus fever vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXIX–35, 17.—**Nauck.** Results of a trial with a variety of typhus vaccines against

North and West African forms of typhus. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 124–8.—**Nicolle, C.** La inmunidad y la inmuñización contra el tifus exantemático. Rev. san. nav., Valparaiso, 1935, **5**: No. 20, 19–41.—**Otto, R., & Bickhardt, R.** Weitere experimentelle Untersuchungen über Schutzimpfstoffe gegen Flecktyphus; Impfstoffe aus rickettsienhaltigen Mäuselungen. Bull. War M., Lond., 1942–43, **3**: 398 (Abstr.)—**Park, J. H., & Offenkrantz, F. M.** Immunologic reactions following typhus vaccination in Army personnel. J. Laborat. Clin. M., 1942–43, **28**: 1859–63.—**Patanè, C.** Comportamento delle agglutinine anti-Proteus X_{19} durante l'invecchiamento dei sieri variamente conservati di dermo-tifosi. Gior. med. mil., 1930, **78**: 104.—**Pérez Ara, A. O., Rodríguez, B. O., & Machado Cardenas, P.** Informe sobre la vacuna anti-tífica. Rev. san. mil., Habana, 1940, **4**: 295–307.—**Roth, V. E.** Reactions to typhus vaccine. Bull. U. S. Army M. Dep., 1945, No. 88, 111–3.—**Sadusk, J. F., jr.** Typhus fever in the United States Army following immunization; incidence, severity of the disease, modification of the clinical course and serologic diagnosis. J. Am. M. Ass., 1947, **133**: 1192–9. ——— The immunization of troops with typhus vaccine and the characteristics of typhus in immunized individuals. Yale J. Biol., 1948–49, **21**: 211–32.—**Schlumberger, H. E., Soles, E. P., & Smadel, J. E.** Analysis of typhus vaccine prepared at the Institut für Fleckfieber- und Virus-Forschung. CIOS Rep., Lond., 1945, Item 24, No. XXIV–5, 13.—**Shulkin, E. S.** [The course of typhus in those inoculated with M. K. Krontovskaja's vaccine] Voen. med. J., Moskva, 1944, June, 38.—**Smadel, J. E.** [Typhus vaccines] CIOS Rep., Lond., 1945, Item 24, No. XXIX–14, 3.—**Smorodincev, A. A.** Specifičeskaja profilaktika i rannjaja diagnostika sypnogo tifa. In: Dost. sovet. med. Oteč. vojny, 1943, **1**: 27–40.—**Typhus** fever inoculation; Canadian Army Routine Order, 1943. J. Canad. M. Serv., 1943–44, **1**: 276.—**Typhus** no longer imperils U. S. soldiers. J. Am. M. Ass., 1944, **125**: 711.—**Use** of typhus fever vaccine (Form letter) Bumed News Lett., Wash., 1944, **4**: No. 3, 32.—**Walker, R. H.** Fatal anaphylaxis following typhus vaccine injection. U. S. Nav. M. Bull., 1948, **48**: 303–5.—**Weigl, R.** Immunization against typhus fever in Poland during World War II. Texas Rep. Biol. M., 1947, **5**: 177–9.—**Werner, H.** Neuzeitliche Schutzimpfungsmethoden gegen Fleckfieber. Deut. Militärarzt, 1939, **4**: 481–3.—**Wohlrab, R.** Immunisierungen gegen Flecktyphus. Bull. War M., Lond., 1942–43, **3**: 31 (Abstr.)

—— Incidence and epidemiology.

DORNIER, C. M. M. Une épidémie de typhus exanthématique à Aïn-Beïda; installation et fonctionnement d'une ambulance provisoire de typhiques. p.401–65. 23cm. Par., 1910.
Arch. méd. pharm. mil., 1910, **55**:

KELLER, H. *Zur Kasuistik des Typhus exanthematicus (Aus dem während des russisch-japanischen Krieges 1904–05 in Charbin in der Mandschurei errichteten Lazarett der Deutschen Vereine vom Roten Kreuz) 29p. 8° Berl., 1907.

Amberson, J. M. Typhus in Egypt during World War II. U. S. Nav. M. Bull., 1946, **46**: 1482–5.—**Bauer, F. K., & Watkins, J. H.** Typhus fever. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 30–5.—**Bayne-Jones, S.** Epidemic typhus in the Mediterranean area during World War II with special reference to the control of the epidemic in Naples in the winter of 1943–44. In: Ricketts. Dis. Sympos., Wash., 1948, 1–15.—**Boyer, J.** Etude épidémiologique des cas de typhus exanthématique observés dans la région parisienne au retour des prisonniers et déportés. Arch. méd. sociale, Par., 1946, **2**: 98–105.—**Briaud, Y.** La ménace actuelle du typhus exanthématique en Europe et les possibilités d'y parer. Maroc méd., 1943, 70.—**British** doctor dies of typhus in German camp. J. Am. M. Ass., 1942, **119**: 200.—**Costedoat, A., & Robert.** Deux épidémies de typhus. Arch. méd. pharm. mil., 1922, **75**: 40–8.—**Curschmann, H.** Ueber Typhus im Kriege. Med. Welt, 1939, **13**: 1351–3.—Dimitrijević, M. V. [Epidemic of typhus in Srem in 1933–34, and the significance of endemic foci] Voj. san. glasnik, 1935, **6**: 67–73.—**Dommartin.** Une épidémie de typhus exanthématique à Sétif; étiologie, clinique, traitement et prophylaxie. Arch. méd. pharm. mil., 1900, **35**: 329–60.—**Dupouy.** Renseignements sur le typhus exanthématique au Maroc et à Casablanca. Arch. méd. pharm. nav., 1938, **128**: 706–33.—**Erzin, N.** Ikinci Dünya savaşı yıllarında yurdumuzun tifüs durumu [Typhus fever in Turkey in years of World War II] Türk ijiyen & tecr. biyol. dergisi, 1948, **8**: 5–12.—**Eyer, H.** Zur Epidemiologie des Fleckfiebers. Deut. Militärarzt, 1942, **7**: 333–7.—**Findlay, G. M., Reid, R. D.,& Maegraith, B. G.** Typhus in the Gold Coast. J. R. Amy M. Corps, 1943, **80**: 134–41.—**Fischer, G.** Le typhus dans les armées en campagne. Concours méd., 1940, **62**: 781–4.—**G.** Un cas de typhus récurrent à Constantine. Caducée, Par., 1902, **2**: 270.—**Gardner, F., & Brown, A. K.** Typhus fever along the Rio Grande in the United States in 1924 and 1925. Mil. Surgeon, 1926, **58**: 165–9.—**Gauthier, M. G. E.** Notes sur le typhus exanthématique en Algérie; diagnostic, séro-reaction de Weil-Felix; prophylaxie. Arch. méd. pharm. mil., 1928, **78**: 131–45.—**Gil, F.** El tifus exantemático en Casablanca (Marruecos) Rev. san. mil., Madr., 1912, 3. ser., **2**: 299–303.—**Gonnet, C.** Conduite tenue par les Services de santé allemand et alliés contre l'épidémie de typhus du camp de Dachau de 1944–45. Presse méd., 1946, **54**: 32.—**Gordon, J. E.** Typhus in camps for prisoners of war, refugees and displaced persons. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 5, No. 1, 14. ——— Aachen outbreak. Ibid., 23. ——— München-Gladbach outbreak. Ibid., 24–7. ——— Cologne outbreak. Ibid., 27. ——— General course of the epidemic in the inner Reich. Ibid., 37–9. ——— Typhus in U. S. military forces. Ibid., 48–54.—**Hlava, J.** Typhus exanthematicus [in the Army] Lék. rozhledy, 1914, **21**: 580–93.—**Julliard, J.** L'épidémie de typhus à Marrakech; novembre 1937–juillet 1938. Rev. Serv. san. mil., Par., 1939, **110**: 951–95.—**Kaup, J.** Zur Frage des Flecktyphus auf dem galizischen Kriegsschauplatze. Wien. klin. Wschr., 1916, **29**: 217–21.—**Klose, H.** Zur Epidemiologie des Fleckfiebers. Bull. War M., Lond., 1942–43, **3**: 285 (Abstr.)—**Kulka, W.** Zur Epidemiologie des Flecktyphus in den nordöstlichen Grenzgebieten Oesterreichs. Militärmed. ärztl. Kriegswiss., Wien, 1914, 215–29.—**Lemierre.** Note sur des épidémies localisées de typhus exanthématique en France survenues chez des prisonniers de guerre. Bull. Off. internat. hyg. pub., Par., 1946, **38**: 255–63.—**L'Heureux.** Notes sur la pandémie roumaine de l'hiver 1917. Arch. méd. pharm. mil., 1921, **75**: 390.—**MacArthur, W. P.** Old-time typhus in Britain. J. R. Army M. Corps, 1927, **48**: 401–18.—**Merewether, E. R. A.** A report on the late medical conditions in Serbia, with special reference to the typhus fever epidemic. J. R. Nav. M. Serv., 1916, **2**: 58–64.—**Mosing, H.** [Epidemiology of typhus] Lek. wojsk., 1939, **33**: 305–16.—**Nikolaev, I. I.** [Epidemiology and prophylaxis of typhus during the present war] J. mikrob., Moskva, 1944, No. 7, 40–4.—**Olmer, D., & Pieri, J.** Sur les cas de fièvre exanthématique observés en période de guerre. Marseille méd., 1940, **77**: pt 1, 18–21.—**Owczarewicz, L.** W sprawie epidemiologji duru plamistego w Polsce i Rosji. Lek. wojsk., 1942, **34**: 204–22.—**Petrovitch.** Considérations épidémiologiques et cliniques sur l'épidémie de typhus exanthématique au cours de la guerre actuelle en Serbie. Rev. hyg., Par., 1916, **38**: 849–64.—**Plazy, Germain & Marçon.** Le typhus endémique bénin de la région toulonnaise. Arch. méd. pharm. nav., 1933, **123**: 25–30.—**Quérangel des Essarts, J., & Prade, J. V.** Un cas de fièvre exanthématique observé à Brest. Ibid., 1932, **122**: 140–6.—**Ramsin.** Epidémiologie, allure clinique et anatomie pathologique du typhus exanthématique observé en Bosnie. Rev. Corps san. mil., 1946, **2**: 151–3.—**Raymond.** Epidémiologie et prophylaxie du typhus exanthématique. Rev. Serv. san. mil., Par., 1940, **112**: 335–47.—**Sachs, A.** Typhus fever in Iran and Iraq, 1942–43; a report on 2,859 cases. J. R. Army M. Corps, 1946, **86**: 1; passim.—**Santos Rubiano.** Apuntes clínicos de una epidemia de tifus exantemático. Med. mil. españ., 1904–05, **11**: 84; 97; 120.—**Sayers, M. H. P., & Hill, I. G. W.** The occurrence and identification of the typhus group of fevers in Southeast Asia Command. J. R. Army M. Corps, 1948, **90**: 6–22.—**Schlossberger, H.** Denis-Auguste-Marie Raffet (1804–60) Das Fleckfieber unter den französischen Truppen in Mainz im Jahre 1813 (Le typhus à Mayence); lithographie, verkleinert. In his Kriegsseuchen, Jena, 1945, 40.—**Schulze, H. A.** Typhus on the Western Front in World War II. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 4, 2–17. Also Mil. Surgeon, 1947, **101**: 489–98.—**Sherry, S.** Typhus in lower Bavaria. Bull. U. S. Army M. Dep., 1946, **5**: 141.—**Snyder, J. C.** Typhus fever in the second World War. California M., 1947, **66**: 3–10.—**Sonnenschein, C.** Das Fleckfieber als Kriegsseuche. Klin. Wschr., 1942, **21**: 803. Also Med. Klin., Berl., 1942, **38**: 766. Also Trop. Dis. Bull., Lond., 1943, **40**: 125 (Abstr.)—**Soto Moreno, J.** El tifus exantemático en el año 1934, en Valparaíso. Rev. san. nav., Valparaiso, 1935, **5**: 47–9.—**Spät, W.** Zur Frage des Flecktyphus auf dem galizischen Kriegsschauplatze. Wien. klin. Wschr., 1915, **28**: 1348–51.—**Stowman, K.** Typhus during the war. Epidem. Inform. Bull., 1945, **1**: 289–310.—**Stuart-Harris, C. H.** Typhus fever; clinical features of the Naples epidemic. In: Interallied Conf. War Med. (1942–45) 1947, 108–10.—**Szulc, G.** [Exanthematic fever in Poland] Lek. wojsk., 1937, **29**: 449–60.—**Typhus** in Eire. Bull. Army M. Dep., Lond., 1943, No. 23, 1.—**Typhus** fever in civilians in Italy. Bull. U. S. Army M. Dep., 1944, No. 76, 13–6.—**Typhus** in Germany. Health (U. S. War Dep. Surg. Gen. Off.) 1945, June, 25.—**Villalonga Guerra, M.** Estudio sobre un brote epidémico de 193 casos de tifus exantemático asistidos en 1942 en la enfermería militar de Peñaranda de Bracamonte (Salamanca) Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 465–79.—**Violle, H., & Calamet, L.** Sur une épidémie de typhus survenue à Marseille au camp d'hospitalisation des prisonniers allemands. Bull. Acad. méd., Par., 1946, **130**: 229–31.—**War** may bring typhus spread over Europe. California West. M., 1942, **56**: 92.

—— louse-borne.

See also subheading (Control)

MCALLISTER, W. B., jr. The pathology of louse-borne typhus fever from the epidemic of 1943–45 in Egypt. 13p. 27cm. Bethesda, 1949.
Forms Rep. No. 1, Proj. NM 007 017 (or, X–696) U. S. Nav. M. Res. Inst.

Adler-Herzmark, J. Fleckfieberfälle und Entlausungsmethoden. Militärarzt, Wien., 1915, **49**: 257–62.—**Alessan-**

drini, G. I pidocchi nella profilassi del tifo esantematico. Gior. med. mil., 1935, 73: 118–22.—**Evans, A. S.** Observations on typhus in Okayama, Japan. Bull. U. S. Army M. Dep., 1948, 8: 733–41.—**Fraenkel, E. M.** Louse-borne typhus fever. Med. Press & Circ., Lond., 1942, 207: 343–8.—**Fülleborn.** Ueber Entlausung und Fleckfieher-Vorheugung (nehst einem Anhang über die Differentialdiagnose des Fleckfiehers) Veröff. Heer. San., 1935, No. 99, 84–112.—**Gordon, J. E.** Louse-borne typhus fever in the European Theater of Operations, U. S. Army, 1945. In: Ricketts. Dis. Sympos., Wash., 1948, 16–27.—**Mackenzie, M. D.** Louse-horne typhus fever. In: Med. Dis. War (Hurst, A. F.) 3. ed., Lond., 1943, 229–54.—**Memorandum** on louse-borne typhus fever. Bull. War M., Lond., 1941–42, 2: 209–11 (Abstr.)—**Schlumberger, H. E., Soles, E. P., & Smadel, J. E.** Louse typhus vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXIV–5, 6.—**Vaccine** protects soldiers against cootie-horne typhus. Science News Lett., 1940, 37: 35.

—— Mediterranean.

See **Rickettsiasis (conorii)**

—— mite-borne.

See **Rickettsiasis (orientalis)**

—— murine.

Syn.: Brill's disease; Mexican typhus; Tabardillo.

Julliard, J., & Hénaff, C. J. R. J. Troubles du métabolisme hydro-chloruré au cours des typhus épidémique et murin; chloropexie vasculaire et système réticulo-endothélial. p.197–266. 8° Par., 1939.

Rev. Serv. san. mil., Par., 1939, 110:

Smith, P. K. The use of para-aminobenzoic acid in endemic (murine) typhus fever. 15p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 395, U. S. Air Force School Aviat. M.

Endemic typhus fever in 1943. Bull. U. S. Army M. Dep., 1944, No. 78, 24.—**Evans, E. F.** Endemic typhus of the Southeastern States. U. S. Nav. M. Bull., 1940, 38: 210–8.—**Guay, J., Dore, G.** [et al.] Sur cinq cas de typhus hénin exanthématique observés sur le croiseur Strasbourg revenant d'une campagne au Pôle Nord. Bull. Soc. path. exot., Par., 1929, 22: 303–7.—**Janbon, M., Seillan** [et al.] Un cas de typhus nautique; réactions sérologiques et inoculations négatives. Arch. Soc. sc. méd. hiol. Montpellier, 1938, 19: 326.—**Le Chuiton, F., Pirot, R.** [et al.] La voie digestive dans la transmission du typhus murin à hord des hâtiments de guerre. Bull. Acad. méd., Par., 1938, 3. ser., 119: 175–8.—**Marcandier, Bideau & Pirot, R.** Rôle possible du rat et de ses ectoparasites dans la transmission d'une forme attenuée du typhus exanthématique observée à hord des navires de guerre à Toulon. Rev. méd. hyg. trop., Par., 1931, 23: 299–306. Also Arch.méd. pharm. nav., 1932, 122: 58–66.—**Nicolle, Ch. & Sparrow, H.** [Mexican exanthematic fever] Lek wojsk., 1932, 19: 473–85.—**Quérangal des Essarts, J.** Au sujet d'un nouveau cas de typhus endémique hénin observé sur un navire de guerre, au port de Brest. Bull. Soc. path. exot., Par., 1934, 27: 108–11.—**Ruge, H.** Zur Frage des sogenannten Schiffsfleckfiebers. Deut. Militärarzt, 1939, 4: 224–7.—**Sweeney, A. R.** Rat-proofing in relation to military operations and endemic typhus fever. Mil. Surgeon, 1936, 78: 32–8.—**Transmission** of murine typhus. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 78.—**Williams, C. L.** The control of murine typhus with DDT. Mil. Surgeon, 1949, 104: 163–7.—**Zwierz, J.** [Significance of rats in the epidemiology of exanthematic fever] Lek. wojsk., 1937, 30: 641–51.

—— Nervous system.

Cochois, V. Typhus exanthématique à forme adynamique avec névrite périphérique. Arch. méd. pharm. mil., 1903, 42: 367–71.—**Hallervorden, J.** Die pathologisch-anatomischen Veränderungen im Zentralnervensystem beim Fleckfieber. Deut. Militärarzt, 1943, 8: 26–30.—**Herrmann, G.** Rückenmarkschädigung nach Fleckfieber. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 59–61.—**Stockert.** Die neuropathologischen Syndrome des Fleckfiehers. Deut. Militärarzt, 1943, 8: 327–30.

—— Pathology.

Boehne. Pathological anatomy of typhus. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 115–9.—**Bogendörfer.** Beitrag zum Krankheitshild des Fleckfiebers. Deut. Militärarzt, 1942, 7: 455–7.—**Brinkmann & Schulze.** Typhus; variations in the clinical course, clinical prognosis, late damages, subsequent sequelae, typhus-encephalitis, Weil-Felix reaction, Otto- and Weigl-vaccines, dust from fecal matter of lice; Reko-serum, time of administration; therapy. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 9, 42–54; Disc., 63–72.—**Gorokhova, V. A.** Oh osobennostijakh izmenenij poćek pri sypnom tife v voennoe vremja. Vrach. delo, 1946, 26: 517.—**Jaubert.** Etude clinique et anatomo-pathologique sur le typhus exanthématique. Bull. Soc. méd. mil. fr., 1909, 3: 276; 297.—**Randerath, E.** Pathologisch-anatomische Erfahrungen bei Fleckfiehersektionen. Deut. Militärarzt, 1943, 8: 376–80.

—— Research.

Award of Typhus Commission Medal. Bull. U. S. Army M. Dep., 1944, No. 82, 40.—**Curran, E. J.** Some observations on fever of the typhus group (vector unknown) J. R. Army M. Corps, 1936, 66: 94–101.—**Holt, R. L.** Progress in virus and rickettsial diseases. Mil. Surgeon, 1949, 104: 167–70.—**Rickettsial** diseases. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 74–87.—**Schlumberger, H. E., Soles, E. P., & Smadel, J. E.** Institut für Fleckfieher- und Virusforschung des Oherkommandos des Heeres at Roth, Bavaria. CIOS Rep., Lond., 1945, Item 24, No. XXIV–5, 3–10.—**Typhus** Commission. Mil. Surgeon, 1943, 92: 99.—**Typhus** medal awards. Ibid., 1945, 96: 370–2.

—— tick-borne.

See also **Rickettsiasis (burnetii) Rickettsiasis (conorii) Rickettsiasis (rickettsii)**

Arnold, W. T., & Van Noate, H. F. Bullis fever; report of a case treated with para-aminohenzoic acid. Bull. U. S. Army M. Dep., 1949, 9: 218–23.—**Christian, C. R.** A case of typhus due to tick hite. J. R. Army M. Corps, 1932, 59: 445–50.—**Collins, J. D.** Colorado tick fever; report of 39 cases. Bull. U. S. Army M. Dep., 1944, No. 80, 81–5.—**Massa, F.** Febbre esantematica da zecche, a Mogadiscio. Gior. med. mil., 1936, 84: 873–7.—**Siberian** tick typhus. Res. Program U. S. Army M. Res. Bd, 1947, Apr., 49.

—— Treatment.

United States. Army. Surgeon General's Office. Chloromycetin; the role of the Army Medical Department in its use in rickettsial diseases and typhoid fever. 11 l. 27cm. Wash., 1949.

Chemotherapy in rickettsial diseases. Res. Program U. S. Army M. Res. Bd, 1947, July, 74.—**Freed, H.** Use of atabrin in two cases of typhus fever. Med. Bull. Veterans Admin., 1942–43, 19: 446. —— The use of atabrin in typhus fever; a supplementary report. Ihid., 1943–44, 20: 119–21.—**Labzin, M. M.** K terapii vozvratnago tifa. Voen. med. J., S. Peterb., 1905, 1: Med. spec. pt, 67–80.—**Meerendonk, P.** Erfahrungen über Fleckfieherhehandlung mit Atebrin und Plasmochin. Deut. Militärarzt, 1942, 7: 283. —— Erfahrungen über Fleckfieherhehandlung mit Atebrin und Calcium. Ibid., 541.—**Michel & Michel-Lauriat.** Essais de traitement curatif et préventif du typhus exanthématique par la carhoxy-sulfamidochrysoïdine. Bull. Soc. méd. mil. fr., 1938, 32: 374–88.—**Rickettsial** diseases. Res. Program U. S. Army M. Res. Bd, 1946, July, 77–87.—**Sadusk, J. F., jr.** Recent advances in the treatment and control of typhus fever. J. Mil. M. Pacific, 1945, 1: No. 3, 39–43.—**Schmidt, W.** Erfahrungen zur Therapie des Fleckfiehers. Deut. Militärarzt, 1944, 9: 273–6.—**Schönbrunner, E.** Strophanthin und Digitalistherapie bei Fleckfieher. Ihid., 412–5.—**Smadel, J. E.** Chloromycetin in the treatment of typhus fevers. Bull. U. S. Army M. Dep., 1949, 9: 117–23.—**Zupnik, D.** Fleckfieberbehandlung mit Plurazol, Sulfapyridin: Vorläufige Mitteilung. Bull. War. M., Lond., 1942–43, 3: 217 (Abstr.)—**Zur, G.** Ueher die Behandlung Fleckfieberkranker; Erfahrungen aus einem Feldlazarett. Med.Klin., Berl., 1944, 40: 130–4.

—— Types.

See also other subheadings; also the subsequent main headings.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Louse- and flea-borne typhus fever. 7p. 27cm. Orlando, Fla., 1944.

Forms Pt 15, Notes Trop. Dis. Arctic Desert Trop. Br. A. A. F. U. S.

Perry, T., jr, & Cutts, F. B. Report of an unknown epidemic fever probahly in the rickettsial group. Field M. Bull. U. S. Army, N. Delhi, 1944, 3: 74–9.

RICKETTSIASIS (burnetii)

See also **Rickettsiasis,** tick-borne.

Syn.: Queensland (or Q) fever.

Robbins, F. C., Ragan, C. A. [et al.] Q fever in the Mediterranean area; report of its occurrence in allied troops. p.6–71. 26cm. Lancaster, 1946.

Am. J. Hyg., 1946, 44:

Brawley, R. W., & Modern, F. W. S. Q fever in a veterans' hospital. Arch. Int. M., 1949, 84: 917–32.—**Dingle, J. H.**

Outbreak of Q fever during World War II. In: Ricketts. Dis. Sympos., Wash., 1948, 47–50.—**Epidemics** of Q fever among troops returning from Italy in the spring of 1945; epidemiological studies; etiological studies. Am. J. Hyg., 1946, **44**: 88–109.—**Feinstein, M., Yesner, R., & Marks, J. L.** Epidemics of Q fever among troops returning from Italy in the spring of 1945; clinical aspects of the epidemic at Camp Patrick Henry, Virginia. Ibid., 72–87.—**Outbreaks** of a rickettsial disease related to Q fever. Bull. U. S. Army M. Dep., 1946, **5**: 245.—**Rich, A. B., & Robertson, D. S.** Q fever, a problem to the milk industry. Mil. Surgeon, 1949, **104**: 276.—**Schulze, H. A., & Gauld, R. L.** A probable outbreak of Q fever in Munich, Germany. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: No. 4, 20–3.

RICKETTSIASIS (conorii)

Syn.: Boutonneuse fever; Coxiellasis; Kenya typhus; Marseilles fever; Mediterranean typhus fever.

Berri, N. Sulla febbre esantematica del litorale Mediterraneo. Ann. med. nav., Roma, 1936, **42**: pt 2, 155–62.—**Cankat, N., & Ergene, N. O.** [Case of fièvre boutonneuse de Tunisie with complications] Askerî sıhhiye mecmuası, 1938, **67**: 13–21.—**Marcandier & Pirot.** Recherches expérimentales sur la fièvre boutonneuse observée à Toulon. Arch. méd. pharm. nav., 1933, **123**: 706.—**Montel, E. L.** Sur les différentes formes de fièvres typho-exanthématiques que l'on peut rencontrer sur le littoral méditerranéen dans les milieu militaire. Bull. Soc. méd. mil. fr., 1935, **29**: 350–3.—**Plazy, Marcander & Pirot.** Fièvre boutonneuse dans le milieu maritime à Toulon. Arch. méd. pharm. nav., 1934, **124**: 80–92.—**Reilly, W. A.** Fièvre boutonneuse. Med. Bull. North Afr. Theater U. S., 1944, **2**: 78–80.—**Sachelarie, N. E.** Febra butonoasă mediteraneană. Rev. san. mil., Bucur., 1937, **36**: 453–7.

RICKETTSIASIS (orientalis)

See also **Rickettsia,** orientalis.

Syn.: Bush typhus; Indian typhus; Japanese river fever; Mite typhus; Rural tropical typhus; Scrub typhus; Sumatra mite fever; Tropical typhus; Tsutsugamushi disease.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Mite-borne typhus, tsutsugamushi disease. Rev. 6p. 27cm. Orlando, Fla., 1944.

Forms Pt 7, Notes Trop. Dis. Arctic Desert Trop. Br. A. A. F. U. S.

United States. War Department. Technical bulletin MED 31: Scrub typhus fever (tsutsugamushi disease) 7p. 27cm. Wash., 1944. Also Rev. ed. 10p. 26cm. Wash., 1948.

B., F. A. Tsutsugamushi disease (scrub typhus) Bumed News Lett., Wash., 1944, **4**: No. 8, 1–4.—**Birt, C. H.** Scrub typhus. J. R. Nav. M. Serv., 1945, **31**: 186.—**Boyd, J. E. M.** Indian typhus; a patient's views. J. R. Army M. Corps, 1934, **63**: 394–8.—**Duncan, G. G.** Scrub or mite typhus; Tsutsugamushi disease, bush typhus, Japanese river fever, Sumatra mite fever, rural tropical typhus, etc. Med. Clin. N. America, 1944, **28**: 1464–70.—**Farner, D. S., & Katsampes, C. P.** Tsutsugamushi disease. U. S. Nav. M. Bull., 1944, **43**: 800–36.—**Hay, C. P.** Scrub typhus. In: Interallied Conf. War Med. (1942–45) 1947, 111–3.—**Jones, H. L.,** jr, **& King, J. A.** Tsutsugamushi disease; report of a case. U. S. Nav. M. Bull., 1949, **49**: 724–6.—**K., C. P.** Tsutsugamushi disease. Bumed News Lett., Wash., 1944, **3**: No. 11, 2–4.—**Little, J. L.** Tsutsugamushi typhus. J. Canad. M. Serv., 1944–45, **2**: 41–3.—**M., D. R., Mc L., W., & F., D. S.** Scrub typhus. Bumed News Lett., Wash., 1943, **2**: No. 13, 1–3.—**Sather, R. O., & Silberstein, J. S.** Scrub typhus. Bull. U. S. Army M. Dep., 1945, **4**: 68–75.—**Scrub** typhus. Ibid., 1944, No. 76, 52–61.—**Scrub** typhus fever (tsutsugamushi disease) Ibid., 1945, **4**: 289–91.—**Tsutsugamushi** disease in military operations. Bull. Army M. Dep., Lond., 1944, No. 34, 6.—**Van Auken, H. A.** Scrub typhus. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 115–20, 2 ch.—**Zair, A. H.** Scrub typhus. J. R. Nav. M. Serv., 1944, **30**: 135–7.

—— Clinical aspect.

Agress, C. M., & Evans, E. R. Clinical survey of 86 cases of scrub typhus. Bull. U. S. Army M. Dep., 1946, **5**: 163–9.—**Anderson, W. L., & Wing, W. M.** Tsutsugamushi disease (scrub typhus) a clinical study of 49 cases. War Med., Chic., 1945, **8**: 163–6.—**Benjamin, J. E., Porter, R. R., & Dreisbach, R. H.** Sudden death in patient supposed to have myocarditis following scrub typhus. Bull. U. S. Army M. Dep., 1945, **4**: 235–8.—**Berry, M. G., Johnson, A. S., jr, & Warshauer, S. E.** Tsutsugamushi fever; clinical observation in 195 cases. War Med., Chic., 1945, **7**: 71–5.—**Beveridge, A. J., & Underhill, E.** Notes on a case of Japanese river fever (tsutsugamushi disease) and a case of tropical typhus fever. J. R. Army M. Corps, 1936, **67**: 400–5.—**Fischbach, W. M., & Howell, D. E.** Observations on tsutsugamushi disease. U. S. Nav. M. Bull., 1945, **45**: 423–8.—**Lipman, B. L., Byron, R. A., & Casey, A. V.** Clinical survey of scrub typhus fever. Bull. U. S. Army M. Dep., 1944, No. 72, 63–70.—**Romeo, B. J.** Convalescence from scrub typhus. Ibid., 1946, **6**: 167–73.—**Sachs, A.** Notes on seven cases of the Indian typhus-like fevers. J. R. Army M. Corps, 1935, **64**: 163–73.

—— Complications.

Dame, L. R. Eye and ear sequelae of scrub typhus fever. Bull. U. S. Army M. Dep., 1945, **4**: 554–7.—**Levine, H. D.** Cardiac complications of tsutsugamushi fever (scrub typhus) an investigation of their persistency. War Med., Chic., 1945, **7**: 76–81.—**Scheie, H. G.** Ocular changes in scrub typhus. Proc. Mil. Ophth. Meet., 1945, 112–6. ——— Ocular changes in scrub typhus; a study of 451 patients. Bull. U. S. Army M. Dep., 1946, **5**: 423–7.—**Sokolow, M., & Garland, L. H.** Cardiovascular disturbances in tsutsugamushi disease. U. S. Nav. M. Bull., 1945, **45**: 1054–68.

—— Control and prevention.

Utiike, K., & Yosii, S. Test report on the effects of the Army Medical College's mosquito repellent solution No. 5 in the prevention of tsutsugamushi disease (prevention of tsutsugamushi larva bites) 10 l. 27cm. [n. p.] 1944.

Forms No. 93, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

Audy, J. R. Practical notes on scrub typhus in the field. J. R. Army M. Corps, 1949, **93**: 273–88, illust.—**Bushland, R. C.** New Guinea field tests of uniforms impregnated with laundry-resistant miticides. J. Mil. M. Pacific, 1945, **1**: No. 4, 64–6.—**McCulloch, R. N.** The adaptation of military scrub typhus mite control to civilian needs. Med. J. Australia, 1947, **1**: 449–52—**Prevention** (The) of scrub typhus. Bull. U. S. Army M. Dep., 1944, No. 83, 1.—**Scrub** typhus. Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 5, 91.—**Welt, L. G.** Use of dimethylphthalate impregnated clothing as protection against scrub typhus. J. Mil. M. Pacific, 1945, **1**: No. 2, 22–5.—**Woodward, T., Philip, C. B.** [et al.] Chloromycetin in the chemoprophylaxis of scrub typhus (tsutsugamushi disease) Q. Progr. Rep. Com. Immuniz. U. S. Army, 1948, No. 6, App. 1, 1–32, pl.

—— Diagnosis.

Hokari, K., & Itikawa, R. On the diagnostic method employing the serum of tropical tsutsugamushi disease patients and infected animal materials. 6 l. 27cm. [n. p.] 1945.

Forms No. 134, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

Bridges, R. F. Tropical typhus and the Weil-Felix reaction. J. R. Army M. Corps, 1934, **62**: 102–6.—**Irons, E. N., & Armbrust, C. A.,** jr. Relation of the Weil-Felix reaction to the clinical course of tsutsugamushi disease. Bull. U. S. Army M. Dep., 1946, **5**: 85–94.

—— Etiology.

See **Rickettsia,** orientalis; also **Trombicula.**

—— Immunization and vaccination.

Bailey, C. A., Diercks, F. H., & Proffitt, J. E. Preparation of a serological antigen and a vaccine for experimental tsutsugamushi disease (scrub typhus) 15p. 27cm. Bethesda, 1948.

Forms Rep. No. 9, Proj. NM 005 002 (or, X 222) U. S. Nav. Med. Res. Inst.

Bailey, C. A., & Diercks, F. H. Preparation of a serological antigen and a vaccine for experimental tsutsugamushi disease. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 2, 43.—[**Evaluation** (The) of a scrub typhus vaccine] Res. Program U. S. Army M. Res. Bd, 1947, July, 87.—**Preparation** of a serological antigen and a vaccine for experimental tsutsugamushi disease (scrub typhus) Summaries Res. U. S. Nav. M. Res. Inst., 1948, 4.—**Prevention** of scrub typhus. J. R. Army M. Corps, 1945, **84**: 272.—**Scrub** typhus vaccine. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 161.—**Subproject** on scrub typhus vaccine. Ibid., 1946, Oct., 88–99.—**Subproject** on scrub typhus vaccine; field trial of scrub typhus vaccine. Ibid., 1947, July, 75.—**Woodward, T. E.** Scrub typhus patients, Kuala Lumpur, 1948, [tab.] Annual Rep. Com. Immuniz. U. S. Army, 1949, 22A. ——— Jungle scrub typhus. Q. Progr. Rep. Com. Immuniz. U. S. Army, 1949, No. 10, 3.

—— Incidence and epidemiology.

Hayakawa, K. The so-called K type tropical typhus (tropical tsutsugamushi disease) and the eruptive fevers prevalent among Southern Army

Japanese troops in Malaya, Burma and Sumatra. 22 l. 27cm. n. p., 1944.

Forms No. 82, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

—— Hokari, K. [et al.] On the tropical tsutsugamushi disease occurring in the suburbs of Singapore in June 1944. pt 1. 14 l. 27cm. n. p., 1945.

Forms No. 107 of preceding report.

Hayakawa, K., Takegawa, S. [et al.] Research concerning infection process of tropical tsutsugamushi disease in Java. pt 1: Tropical tsutsugamushi disease epidemic among the Imperial troops stationed in Soekaboemi. 19 l. 27cm. [n. p.] 1945.

Forms No. 101 of preceding report.

Ahlm, C. E., & Lipshutz, J. Tsutsugamushi fever in the Southwest Pacific theater. J. Am. M. Ass., 1944, **124:** 1095–100.—**Biggam, J.** Three cases of tropical typhus occurring in Bangalore, India. J. R. Army M. Corps, 1932, **59:** 96–109.—**Blewitt, B.** Review of fevers of the typhus group (vector unknown) occurring at Ahmednagar during 1933. Ibid., 1934, **63:** 313; 379.—**Boyd, J. S. K.** Fevers of the typhus group in India; an analysis of one hundred and ten cases reported in 1934. Ibid., 1935, **65:** 289; 361.—**Bush, F. K.** Typhus fever in the Simla Hills. Ibid., 1936, **67:** 158–72.—**Errington, A. F., King, A. N.** [et al.] Tsutsugamushi disease on Samar, Philippine Islands. U. S. Nav. M. Bull., 1946, **46:** 1669–73.—**Kalra, S. L.** Report on the distribution of typhus fever in the Army in India, 1943–46. Rep. Sc. Adv. Bd Ind. Res. Fund Ass., 1946, 170–3.—**Klein, H. S.** An epidemic of scrub typhus. J. R. Army M. Corps, 1945, **85:** 187–90.—**Lusk, J. W.** One hundred and fourteen cases of typhus fever seen in an Indian military hospital in Calcutta. Ind. M. Gaz., 1945, **80:** 437–45.—**Macnamara, C. V.** An epidemic of typhus (vector unknown) in the Simla Hills. J. R. Army M. Corps, 1935, **64:** 174–83.—**Maxcy, K. F.** Scrub typhus in the U. S. Army during World War II. In: Ricketts. Dis. Sympos., Wash., 1948, 36–46.—**Megaw, J. W. D.** Scrub typhus as a war disease. Brit. M. J., 1945, **2:** 109–12.—**Morehead, J. F.** Scrub typhus from an epidemiological viewpoint. Bull. U. S. Army M. Dep., 1945, No. 88, 95–7.—**Philip, C. B., & Woodward, T. E.** The foci of tsutsugamushi disease (scrub typhus) in the Philippine Islands as encountered by American military forces. J. Mil. M. Pacific, 1945, **1:** No. 4, 67–9. —— & **Sullivan, R. R.** Tsutsugamushi disease (scrub or mite-borne typhus) in the Philippine Islands during American re-occupation in 1944–45. Am. J. Trop. M., 1946, **26:** 229–42.—**Scrub** typhus. Health (U. S. War Dep. Surg. Gen. Off.) 1944, Mar. 10; Aug., 18.—**Sharma, L. R.** Non-epidemic typhus fever in the civil population of Bangalore, Civil and Military station. Ind. M. Gaz., 1940, **75:** 398–401.—**Summers, D. H.** An outbreak of scrub typhus among Air Force troops in the Southwest Pacific area. Air Surgeon Bull., 1945, **2:** 371–3.—**Templeton, W. C.** Scrub typhus in Malaya. J. R. Army M. Corps, 1947, **88:** 153–61.—**Thompson, A. H.** A new endemic area of scrub typhus in Japan. Bull. U. S. Army M. Dep., 1949, **9:** 871–9.

—— Pathology and pathogenesis.

Tullis, J. L., Gersh, I. [et al.] Studies in tsutsugamushi disease; the comparative tissue pathology of tsutsugamushi disease in mice, monkeys, and man. 28p. 26½cm. Bethesda, 1945.

Forms Rep. No. 4, Res. Proj. X–222, U. S. Nav. M. Res. Inst.

Comparative (The) tissue pathology of tsutsugamushi disease in mice, monkeys, and man. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 14.—**Fluid** balance in scrub typhus. Bull. Army M. Dep., Lond., 1944, No. 41, 1.—**Heart** (The) in scrub typhus. Ibid., 1945, No. 49, 1.—**Scrub** typhus not a cause of chronic heart disease. Bull. U. S. Army M. Dep., 1945, No. 84, 21.—**Wedd, S.** Lymphocytes speckled and plain; an unrecorded blood change in scrub typhus. J. R. Nav. M. Serv., 1944, **30:** 137–44.—**Wilson, D. A. O.** A case of tropical typhus, complicated by malaria. J. R. Army M. Corps, 1935, **65:** 193–5.

—— Research.

Japan. Rikugun. Nanpō-gun. Project Report C of the Southern Army Hygiene and Water Supply Section: A collection of researches on tropical tsutsugamushi disease. 17 nos. in 1 v. 27cm. n. p., 1944–45.

United States. Naval Medical Research Institute. Studies in tsutsugamushi disease; a study of experimental tsutsugamushi disease (scrub typhus) in Swiss mice. 22p. 27cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Project X–222, U. S. Nav. Med. Res. Inst.

Vinson, J. W. Studies in tsutsugamushi disease (scrub typhus) a mouse protection test for tsutsugamushi disease. 9p. 27cm. Berhesda, 1946.

Forms Rep. No. 7, Res. Proj X–222, U. S. Nav. M. Res. Inst.

Johnson, D. H., & Wharton, G. W. Tsutsugamushi disease; epidemiology and methods of survey and control. U. S. Nav. M. Bull., 1946, **46:** 459–72.—**Studies** in tsutsugamushi disease; a study of experimental tsutsugamushi disease (scrub typhus) in Swiss mice. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 20.

—— Treatment.

McLimans, W. F., & Grant, C. W. Studies in tsutsugamushi disease (scrub typhus) experimental therapy of the infection in Swiss mice. 6p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X–222, U. S. Nav. M. Res. Inst.

—— Further studies on therapy of the infection in Swiss mice. 19p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3 of preceding research project.

Steele, J. M., McLimans, W. F. [et al.] The effect of methylthionine chloride (methylene blue) on tsutsugamushi disease in man. 22p. 27cm. Bethesda, 1946.

Forms Rep. No. 6 of preceding research project.

Effect (The) of heparin administration on the course of experimental Rickettsia tsutsugamushi infection in mice. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 13.—**Effect** (The) of methylthionine chloride on tsutsugamushi disease in man. Ibid., 1946, Jan.–June, 11.—**Smadel, J. E., Woodward, T. E.** [et al.] Chloromycetin in the treament of scrub typhus. Med. Bull. Europ. Command, 1948, **5:** No. 6, 32.—**Studies** in tsutsugamushi disease; experimental therapy of the infection in Swiss mice. Bumed News Lett., Wash., 1944, **4:** No. 11, 19–21.—**Worden, I.** Scrub typhus fever; nursing of scrub typhus patients in a combat zone. Am. J. Nurs., 1944, **44:** 942–4.

RICKETTSIASIS (prowazekii)

See **Rickettsiasis,** louse-borne.

RICKETTSIASIS (quintana)

Syn.: Five-day fever; Shin-bone fever; Trench fever; Wolhynian fever.

Barr, D. P. Trench fever, quintan fever, shin-bone fever, Wolhynian fever, His-Werner disease. In his Modern Med. Ther., Balt., 1940, **2:** 1708.—**Bernsdorf, W.** Grundsätzliche Gedanken zum Wolhynischen Fieber. Deut. Militärarzt, 1943, **8:** 254–8.—**Davies, F. C., & Weldon, R. P.** A preliminary contribution on P. U. O. (Trench fever) J. R. Army M. Corps, 1918, **30:** 92–4.—**Domeneh Marti, J.** Contribución al estudio de la fiebre de trincheras. Rev. españ. med. cir. guerra, 1942, No. 46, 343–7.—**Gordon, J. E.** Trench fever. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 5, No. 2, 25.—**Hegglin, R.** Das Trench-fever (Wolhynisches Fieber) Vjschr. schweiz. Sanitätsoff., 1944, **21:** 175–80.—**Hurst, A.** Trench fever. In his Med. Dis. War, 2. ed., Lond., 1941, 161–78. Also 3. ed., Lond., 1943, 210–28. Also Brit. M. J., 1942, **2:** 318–21.—**Interim** report of the War Office Committee for the study of trench fever. J. R. Army M. Corps, 1918, **30:** 351–3.—**Megaw, J.** Trench fever. In: Brit. Encycl. M. Pract. (Rolleston, H.) 1939, **12:** 236–40.—**Rudnev, T.** Okopnaja likhoradka (trench fever) In: Enciklopedicheskij slovar voen. med., Moskva, 1946–48, **3:** 1483–5.—**Ruge, H.** Fünftagefieber oder Wolhynisches Fieber. In: Wehrhygiene (Handloser, S.) Berl., 1944, 57.—**Schulten.** Wolhynienfieber. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 146–8.' Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 172; Disc., 175–80.—**Strong, R. P.** Trench fever. In: Oxford Med. (Christian, H. A.) N. Y., 1940, **5:** 423–37.—**Tasker, A. N.** Trench fever. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9:** 483–92.—**Trench** fever. J. R. Army M. Corps, 1940, **74:** 216–22.

—— Clinical aspects.

Beuchel, M. Erwiderung auf Prof. von Bormanns: Erfahrungen über Febris neuralgica periodica. Deut. Militärarzt, 1944, **9:** 345.—**Bormann, F. v.** Erfahrungen über Febris neuralgica periodica (Fünftagefieber) bei einem Truppenteil. Ibid., 1943, **8:** 457–63.—**Kerger, H.** Ueber verschiedene

Verlaufsformen des Wolhynischen Fiebers. Bull. War M., Lond., 1942–43, **3**: 336 (Abstr.)—**Magerl, J. F.** Five-day fever, Wolhynian fever, symptomatology and treatment with eubasinum. Ibid., 1941–42, **2**: 211 (Abstr.)—**Windörfer, A.** Ueber besondere Verlaufsform des Wolhynienfiebers bei der Truppe. Deut. med. Wschr., 1942, **48**: 1144–6. Also Bull. War M., Lond., 1942–43, **3**: 631 (Abstr.)

—— Diagnosis.

See also **Rickettsia**, quintana.

Alcantara Pessoa de Mello, P. de. A febre de trincheira sera uma spirochoetosis? Bol. Soc. med. cir. mil., Rio, 1917–18, **3**: 75–7.—**Jacobi, J.** Neue Beobachtung ueber Fünftagefieber mit besonderer Berücksichtigung der Differentialdiagnose und Therapie. Bull. War M., Lond., 1942–43, **3**: 217 (Abstr.)—**Kibler, M.** Vom Fünftagefieber und seiner Bedeutung für die Differentialdiagnose. Deut. Militärarzt, 1943, **8**: 100–4.—**Schulze, K.** Zur Epidemiologie und Differentialdiagnose des Wolhynischen Fiebers. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 148–53. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 174–80.—**Werner, H.** Zur Diagnose des Fünftagefiebers. Bull. War M., Lond., 1942–43, **3**: 570 (Abstr.)

—— Incidence.

Arneth, J. Periodisches Fieber (Wolhynisches Fieber, Fünftagefieber) im Felde. Klin. Wsch:., 1942, **21**: 998.—**Blanco de la Plaza, V., & Diez Melchor, F.** Fiebre de las trincheras; importancia epidemiológica en los momentos actuales y clínica de la misma. Rev. españ. med. cir. guerra, 1939, **3**: 204–13.—**Bogendoerfer.** Trench fever; differences as opposed to the experience of World War I; measures against it; therapy. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 9, 72–8.—**Butt, H. T. H.** Trench fever in Salonica and France; observations on an outbreak of trench fever in the Salonica command. Med. J. S. Africa, 1919–20, **15**: 33–50.—**Codina Suque, J.** La febbre delle trincee della guerra di Spagna. Rinasc. med., 1938, **15**: 593.—**Trench** fever again? Bull. Army M. Dep., Lond., 1942, No. 17, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 43.—**Werner, H.** Das Fünftagefieber als Kriegsseuche. Med. Welt, 1939, **13**: 1403–5.

—— Treatment.

Pechtel, C. The effect of eubasin, sulphapyridine, in a case of Wolhynian 5-day fever, trench fever. Trop. Dis. Bull., Lond., 1942, **39**: 386 (Abstr.)—**Peña Yañez, A.** The use of antimony salts in trench fever. Ibidem (Abstr.)—**Prevention** of trench fever among hospital personnel; successful method applied in a base hospital in France. Mil. Surgeon, 1919, **44**: 370–5.

RICKETTSIASIS (rickettsii)

See also **Rickettsiasis**, tick-borne.

Syn.: Rocky Mountain spotted fever.

Topping, N. H. Rocky Mountain spotted fever. 8p. 27cm. Wash., 1947.

Forms Techn. Bull. TB 10–40, U. S. Veterans Admin.

Baker, R. E. A terminal case of Rocky Mountain spotted fever. U. S. Veterans Bur. M. Bull., 1926, **2**: 868–73, pl.—**Bennett, T. W.** Typical Rocky Mountain spotted fever. Med. Bull. Veterans Admin., 1940–41, **17**: 425.—**Dyer, R. E.** Typhus and Rocky mountain spotted fever in the United States. Mil. Surgeon, 1933, **72**: 421–39.—**Gasser, R. R.** Rocky mountain spotted fever (Eastern type); report of case. U. S. Nav. M. Bull., 1932, **30**: 513–6.—**Palatucci, O. A., & Marangoni, B. A.** Rocky Mountain spotted fever. Bull. U. S. Army M. Dep., 1944, No. 79, 116–20.—**Plotz, H., Wertman, K., & Reagan, R. L.** Laboratory aids in diagnosis of Rocky Mountain spotted fever. Ibid., 40–4.—**Roberts, F. J.** Rocky mountain spotted fever. Med. Bull. Veterans Admin., 1938–39, **15**: 418–21, pl.—**Rocky** Mountain spotted fever. Med. Bull. U. S. First Army, 1949, **4**: No. 5, 7–12.—**Sheehan, G. A.**, jr. Rocky Mountain spotted fever treated with aureomycin. Ibid., 1950, **5**: No. 2, 12–7.—**Wright, H. E.** Rocky Mountain spotted fever. In: Prev. Med. in World War II, Wash., 1948, **8**: 211–4.

RIF.

See under **World War II.**

RING injury.

See also **Finger.**

Arbuckle, M. F. The string method of removing a tight ring from a swollen finger. Mil. Surgeon, 1942, **90**: 184.—**Simon, H. E., & Alban, H.** Ring injuries. Ibid., 1945, **97**: 506–8.—**Thompson, C. M.** Danger of finger rings. U. S. Nav. M. Bull., 1946, **46**: 1273.

RINSE.

See under **Kitchen.**

RIVER crossing.

See also **Defensive; Offensive; Operation.**

Anagnosti, V. D. [Organization of sanitary service during forced crossings of rivers by the infantry] Voj. san. glasnik, 1938, **9**: 447–69.—**Boyce, R. A.** A river crossing with Troop F, 26th Cavalry (PS) Vet. Bull., Wash., 1936, **30**: No. 4, 304–6.—**Love, W. G., & Hogarth, J. A.** An improvised method of evacuation of casualties across rivers. J. R. Army M. Corps, 1943, **80**: 28–30.—**Low, A.** Field training; river crossing. Ibid., 1944, **82**: 44.—**Shuman, C. S.** Emergency barge made with aid station equipment. Bull. U. S. Army M. Dep., 1944, No. 75, 93–5.—**Voitenko, M.** Forsirovanie reki. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 786–91.

ROCKET launcher.

See also **Burns,** Etiology.

United States. Armored Medical Research Laboratory. Project No. T–4: Report on test of injuries and burns from rocket launchers. v. p. 28cm. Fort Knox, 1944.

ROCKING method.

See **Respiration,** artificial.

ROCKY Mountain spotted fever.

See **Rickettsiasis** (rickettsii)

RODENT.

See also **Rat.**

Harrison, L. J. Rodents in relation to disease and their control. J. R. Army M. Corps, 1949, **92**: 273–83.—**Lunkevich, M. V.** K biologii bacilli typhi murium Loeffler'a i ego virulentnosti dlja polevykh i domaśnikh myśej. Voen. med. J., S. Peterb., 1894, **179**: Unoff. pt, 3. sect., 48–54.

RODENT control.

See also with **Insect control; Lousiness; Rat control.**

Armed (The) Services research and development report on insect and rodent control. Wash., No. 1, 1948——

United States. Army. Chemical Corps. CML C quarterly progress report on insect and rodent control. No. 1–14. 14 Nos. 26½cm. Wash., 1945–47.

United States. Army Committee for Insect and Rodent Control. Minutes of the ... meeting. Wash., 2. meet., 1945–

United States. Army Committee for Insect and Rodent Control. Subcommittee on Field Uses. Minutes of meeting. Wash., 1., 1944–

United States. Army Committee on Insect and Rodent Control. Subcommittee on Research and Development. Minutes. Wash., 1., 1944–

United States. War Department. Rodent control. 34p. 26cm. Wash., 1945.

Forms TB MED 144, Techn. Bull. U. S. War Dep.

Army Chemical Corps; studies relating to insect and rodent control. Armed Serv. Res. Rep. Insect & Rodent, 1948, 35–53.—**Control** of rodents. Med. Bull. U. S. First Army, 1948, **3**: No. 7, 3–6. Also in: Prev. Med. in World War II, Wash., 1948, **6**: 125.—**Cox, W. C.** Control of rodents. Ibid., **11**: 47–54.—**Crabb, W. D., & Nicholson, A. J.** Rodent control at a South Pacific base. U. S. Nav. M. Bull., 1945, **44**: 208–17.—**Goldman, E. A.** Rodent eradication; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 1071–89.—**Gordon, J. E.** Rodent control. In: Prev. Med. In World War II, Wash., 1948, **2**: pt 9, 32.—**Insect** and rodent control. Med. Bull. U. S. First Army, 1949, **4**: No. 8, 4. Also Res. Program U. S. Army M. Res. Bd, 1947, July, 113; 1948, Jan., 190.—**Insect** and rodent control; Bureau of Entomology and Plant Quarantine. Ibid., 1946, Oct., 67.—**Johnson, M. S.** Rodent control on Midway Islands. U. S. Nav. M. Bull., 1945, **45**: 384–98.—**Jones, K. E.** Rodent control with 1080. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 2, 6.—**Kalabukhov, N. I.** [Control of mouse-like rodents as the basis for prophylaxis of tularemia] Voen. san. delo, 1943, No. 10, 41–8.—**Latham, J. K.** Rodents and their control. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 9, 12.—**Murray, T. B.** Rodent control, U. S. Navy, Pacific Occan areas, World War II. U. S. Nav. M. Bull., 1946, **46**: 1312–41.—**Rodent** control. Bull. U. S. Army M. Dep., 1945,

4: 321.—**Rukke, G. V.** Rodent destruction. Mil. Surgeon, 1930, 67: 592–9.—**Shunaev, V. V.** Aviametod v borbe s gryzunami. Voen. med. J., Moskva, 1945, Apr., 42.—**Studies** relating to insect and rodent control. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 2, 27–33.—**Van Auken, H. A.** Rodent control. In: Prev. Med. in World War II, Wash., 1948, 4: pt 2, 109.

RODENTICIDE (incl. repellent)

See also **Rat control; Rodent control.**

FUHR, I., & SILVER, S. D. Development of a rodenticide cartridge; biological and chemical studies. 38p. 27cm. Edgewood Arsenal, 1946.
Forms Rep. No. 97, Med. Div. Chem. Corps U. S. Army.

Army adopts new rodenticides. Bull. U. S. Army M. Dep., 1945, No. 87, 38.—**Compound** 1080, rodent poison. Circ. M. Sect. Far East Command, 1947, No. 12, 16.—**Crews, A. K.** Field test using 1080 rodenticide at Navy one forty and Navy one three one. Abstr. Bull. Insect Control Com., 1944–45, Ser. A, 334.—**Kalmbach, E. R., DeWitt, J. B., & Welch, J. F.** Rodenticides and rodent repellents. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 55; passim; 1949, No. 6, 33, passim.—**Ormsbee, R. A.** The development of new rodenticides. In: Advance. Mil. Med., Bost., 1948, 2: 652–7.—**Rodenticides,** rodent repellents and deterrents. Armed Serv. Res. Rep. Insect & Rodent, 1948, 26; No. 2, 31.—**Toxicity,** mechanism of action and therapeutic measures. Ibid., No. 2, 35.

RODENT mite dermatitis.

See **Dermatitis.**

ROENTGEN.

For all references to roentgenologist, roentgenology, roentgen ray, roentgen therapy see **Radiologist; Radiology; Radiotherapy;** also **Radiation gamma.**

ROMANIA.

For references to this country see the following headings in the Military Section: **Hospital report; Medical organization; Morbidity; Nutrition service; Sanitation; Surgery; Technical bulletin; Tuberculosis; Venereal disease; Veterinary Corps; Veterinary Service; Wars and campaigns,** 1854 (Crimean War) **World War II.**

ROOM.

See **Hospital construction,** Rooms and wards; **Operating room.**

RORSCHACH test.

See also **Officer candidate.**

Abt, L. E. The efficiency of the group Rorschach test in the psychiatric screening of Marine Corps recruits. J. Psychol., Provincet., 1947, 23: 205–17.—**Beck, S. J.** The Rorschach test in men discharged from the Armed Forces. Proc. Brief Psychother. Counc., 1944, 2. Counc., 1: 32–7.—**Brussel, J. A., & Hitch, K. S.** The Rorschach method and its uses in military psychiatry. Psychiat. Q., 1942, 16: 3–29. 4 pl.—**Due, F. O., Wright, M. E., & Wright, B. A.** The multiple choice Rorschach test in military psychiatric differentiation. In: Large Scale Rorschach Techn. (Harrower-Erickson, M. R., & Steiner, M. E.) Springf., 1945, 195–239.—**Harrower-Erickson, M. R.** A multiple choice test for screening purposes for use with the Rorschach cards or slides. Proc. Milit. Sess. Am. Soc. Res. Psychosomat. Probl., 1943, 9–19; Disc. 29–41. Also Psychosomat. M., 1943, 5: 331–41. ——— The use of the Multiple Choice Test (Rorschach) in the military services. Proc. Brief Psychother. Counc., 1944, 2. Counc., 1: 37–41.—**Koff, S. A.** The Rorschach test in the differential diagnosis of cerebral concussion and psychoneurosis. Bull. U. S. Army M. Dep., 1946, 5: 170–3.—**Pearlman, S., & Lotsof, E. J.** Some general considerations on the Rorschach test in an Army general hospital. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 199–203.—**Richards, T. W.** The appraisal of naval psychiatric casualties by the Rorschach method. U. S. Nav. M. Bull., 1943, 41: 788–99.—**Springer, N. N.** The validity of the Multiple Choice Group Rorschach test in the screening of naval personnel. J. Gen. Psychol., 1946, 35: 27–32.—**Wilkins, W. L., & Adams, A. J.** The use of the Rorschach test under hypnosis and under sodium amytal in military psychiatry. Ibid., 1947, 36: 131–8.—**Winfield, M. C.** The use of the Harrower-Erickson Multiple Choice Rorschach Test with a selected group of women in military service. J. Appl. Psychol., 1946, 30: 481–7.—**Wittson, C. L., Hunt, W. A., & Older, H. J.** The use of the Multiple Choice Group Rorschach Test in military screening. J. Psychol., Provincet., 1944, 17: 91–4.

ROSENEATH.

See under **World War II.**

ROSTOV.

See under **World War II.**

ROTARY acceleration.

See under **Acceleration.**

ROTATION.

See also **Acceleration,** rotary; also **Nystagmus.**

GUEDRY, F. E., jr. The effect of visual stimulation on the duration of postrotational apparent motion effects. 11 l. 27cm. Pensacola, 1949.
Forms Jt Proj. Rep. No. 8, Proj. No. NM 001 037, Res. Rep. U. S. Nav. School Aviat. M.

R O T C

See under **Reserve Officers Training Corps;** also **Medical student,** Training.

RUBBER.

RUPP, E. V. Effect of rubber curing temperature on a leak-tight valve core assembly [of life vest] 4p. 27cm. Dayton, 1945.
Forms No. TSEAL–3–660–54J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

RUBBER goods.

See also **Dental equipment; Equipment; Glove,** etc.

Alarcón Puertas, E. Analisis fisico y químico de los objetos de vidrio y caucho empleados por el servicio medico. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 110.—**Becker, H.** [Contribution to the chemical analysis of rubber objects] Lek. wojsk., 1926, 7: 460–6.—**Bruère.** Conservation du caoutchouc manufacturé et assouplissement des objets en voie de durcissement. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 112.—**Diénot.** Au sujet d'un procédé peu connu pour la conservation des objets en caoutchouc. Arch. méd. pharm. mil., 1922, 76: 728.—**Methods** for sterilization of rubber eyeguards of optical instruments. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 38.—**Mnacakanov, I. I.** [The cold sterilization of rubber gloves with monosept] Voen. med. J., Moskva, 1945, June, 45.—**Moreau, P. L. C.** Considérations sur l'établissement d'un cahier des charges relatif à la réception des objets en caoutchouc manufacturés. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 111. ——— Considérations sur les qualités analytiques à exiger des objets en caoutchouc manufacturé. Arch. méd. pharm. mil., 1930, 92: 689–711.—**Naci Cağlar** [Preservation of sanitary articles made of rubber and silk] Askerî sıhhiye mecmuası, 1941, 70: 93–6.—**Sagajllo & Pikulski, A.** Les méthodes d'analyse physique et chimique des objets en caoutchouc vulcanisé. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 115–7.—**Saint-Sernin, A.** Analyse physique et chimique des objets en caoutchouc utilisés par les Services de santé. Ibid., 104–7.—**Thomas, R. B., & Smith, T. W.** Sensitivity to rubber earpieces on headphones. Air Surgeon Bull. 1944, 1: No. 5, 11.—**Watters, A. L.** Storage cabinet for rubber goods. Bull. U. S. Army M. Dep., 1946, 6: 631.

RUBELLA.

Gordon, J. E. German measles. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 4, 20.—**Jack, R. D. S.** A rare complication of German measles. S. Barth. Hosp. J. War Bull., Lond., 1939–40, 1: 135.—**Measles,** German (rubella) Med. Bull. U. S. First Army, 1948, 3: 6.—**Michie, H. C.** German measles. In: Med. Dep. U. S. Army in the World War, Wash., 1928, 9: 463–72.—**Murray, I.** Rheumatic manifestations following rubella. J. R. Army M. Corps, 1941, 76: 48.—**Otto, F.** Erfahrungen bei der Rötelnepidemie in Wilhelmshaven während des Winters 1939–40. Deut. Militärarzt, 1941, 6: 97–100.—**Wingo, S. M.** Encephalomyelitis complicating rubella; report of a case. U. S. Nav. M. Bull., 1945, 45: 546.

RUBEOLA.

Bonnefoy, A. Notes sur l'épidémie de rubéole de la Bretagne (janvier, février et mars 1912); contribution à l'étude des rubéoles. Arch. méd. nav., Par., 1912, 98: 436; 1913, 99: 40.—**Lacal, F.** Rubeola; contribución a su estudio. Rev. san. mil., B. Air., 1938, 37: 315–20.—**Thomas, H. P.,** jr. Immune serum globulin in the prophylaxis of rubeola. Bull. U. S. Army M. Dep., 1949, 9: 231–4.

RUMOR.

See also under **Psychological warfare.**

Blum, J. M. Tumulty and Leavenworth; a case study of rumor. J. Abnorm. Psychol., 1949, **44**: 411–3.—**Driest, W.** Der Offizier im Kampf gegen das Gerücht. In his Richtlinien ü. Menschenführ., 2. Aufl., Berl., 1944, 21–4.—**Kelly, F. K., & Rossman, M.** The GI and the rumor. Infantry J., 1944, **54**: No. 2, 37.

RUNNER.

See also **Physical training; Sport.**

Klein, E., Miamlin, S., & Lysenko, N. [Physiology of marathon races] Voen. san. delo, 1937, No. 3, 26–9.—**Koch, A., & Härting, F.** Ueber Untersuchungen an Marathonläufern. Deut. Militärarzt, 1939, **4**: 22–8.—**Kotov, G.** [Training for marathons] Voen. san. delo, 1937, No. 7, 45–51.—**Schmidt, L. M.** Runner's cramp; a peculiar occupation neurosis. U. S. Nav. M. Bull., 1910, **4**: 25–7.

RUNWAY.

See also **Airfield; Airport.**

Jennings, A. L. A study of runway markings as to color and pattern to determine maximal visual perception and orientation through fog and haze. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 35.

RURAL medicine.

See also **Emergency medical service,** rural.

Werneck, L. Contribuição do Exército aos serviços de medicina preventiva e curativa para o pessoal da zona rural. Rev. med. mil., Rio, 1948, **37**: 489–501.

RURAL tropical typhus.

See **Rickettsiasis (orientalis)**

RUSSIA.

For references to this country see also under all subjects in the Military Section, especially under the following headings: **Aeromedicine; Dental care; Hospital report;** headings beginning with **Medical** (as care; Corps; Department; examination; officer; organization; service) **Military medicine,** Congresses; **Morbidity; Navy Medical Service; Neuropsychiatric examination; Neuropsychiatry; Nursing service; Nutrition service; Occupied area; Ophthalmology; Pharmaceutical service; Pharmacist; Prisoner of war; Psychiatry; Ration; Recruiting; Rehabilitation; Sanitation; Surgery; Surgical organization; Surgical service; Tuberculosis; Venereal disease; Veterinary service; World War I; World War II.**

Uchowski, S. *Les grandes épidémies en Russie depuis la guerre mondiale. 103p. 25cm. Lyon, 1933.

United States. War Department. Technical bulletin TB MED 88: Medical and sanitary data on Khabarovsk Krai and Maritime Krai (Far Eastern Territory) U. S. S. R. (Excluding Kamchatka Oblast) 39p. 26cm. Wash., 1944.

Dear, W. R. The A. R. A. in Russia. Mil. Surgeon, 1931, **69**: 499–511.—**Dimković, D.** Sovjetska klinika. Voj. san. pregl., Beogr., 1948, **5**: 213–7.—**Medicine** behind the iron curtain; the experiences of a Russian-speaking German medical officer as a P. O. W. in Russia, 1945–48. Med. World, Lond., 1949, **70**: 834–8.—**Russian** medical service. Mil. Surgeon, 1942, **91**: 467.—**Zembrzuski, L.** [Medicine in ancient Russia] Lek wojsk., 1935, **25**: 567–82.

RUSSIAN Civil War (1917–20)

See under **Wars and campaigns.**

RUSSO-GERMAN War (1941–45)

See under **World War II.**

RUSSO-JAPANESE War (1904–05)

See under **Wars and campaigns.**

RUSSO-TURKISH wars.

See under **Wars and campaigns.**

RUTIN.

See under **Radiation injury** subheadings (Total body irradiation; Treatment)

RYUKYU.

See also **Occupied area.**

Ryūkyū Islands. United States Army Military Government. Summation; United States Army Military Government activities in the Ryūkyūs [n.p.] No. 24, 1948——

United States. War Department. Technical bulletin TB MED 108: Medical and sanitary data on the Ryūkyū Islands. 31p. 26cm. Wash., 1944.

SACROCOCCYGEAL region.

See also **Pilonidal cyst.**

Adams, J. F. Treatment of acute sacrococcygeal cyst teratoma. U. S. Nav. M. Bull., 1948, **48**: 250–2.—**Buie, L. A.** Jeep disease; pilonidal disease of mechanized warfare. South. M. J., 1944, **37**: 103–9.—**Cooper, C. N.** Primary healing following excision of a cyst, teratoma. U. S. Nav. M. Bull., 1945, **45**: 474–8.—**Cristian & Giurea.** Un nou caz de agenezie sacrococcigiană cu turburări urinare (distrofie cruro-vesico-fesieră) Rev. san. mil., Bucur., 1928, **27**: 171–4.—**Notti, R. A., Zenón Alascio, R., & Ventura Martínez, D.** Quistes dermoideos sacrococcígeos; su tratamiento quirúrgico. Rev. san. mil., B. Air., 1945, **44**: 1618–24.—**Oldham, J. B.** Coccygeal sinus. J. R. Nav. M. Serv., 1941, **27**: 34–43.—**Pugh, H. L., Crile, G., jr, & Robnett, A. H.** Exostosis of sacrum; report of a case. U. S. Nav. M. Bull., 1946, **46**: 269–72, pl.—**Ruggieri, E.** Qualche osservazione sulla flogosi delle cisti e delle fistole congenite della regione coccigea. Ann. med. nav., Roma, 1943, **49**: 347–58, tab.—**Volpi, J. P.** Tratamiento de los quistes dermoideos sacrocoxígeos; consideraciones sobre 89 enfermos operados. Rev. san. mil. argent., 1948, **47**: 510–4.—**Weeks, R. B., & Young, G. G.** Sacrococcygeal cysts; report of 200 cases in an Army hospital. Am. J. Surg., 1943, **60**: 260–3.—**Wharton, D. J.** Pilonidal cysts. U. S. Nav. M. Bull., 1932, **30**: 350–5, pl.

SADDLE sore.

Edwards, J. B. The surgical treatment of chronic scarred backs in pack animals. J. R. Army Vet. Corps, 1945–46, **17**: 131–4.

SAFETY.

See also under **Air travel; Blackout; Industrial hygiene.**

Breyer. Die Zusammenarbeit der Werkluftschutz-Dienststellen mit den Befehlsstellen des Sicherheits- und Hilfsdienstes. Gasschutz, 1938, **8**: 155–8.—**Flying** safety in the Japanese Air Forces. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 251. 1–44.—**Gelbert.** Verwendung der Kraftfahrleiter im Sicherheits- und Hilfsdienst. Gasschutz, 1938, **8**: 158–63, illust.—**Information** on flying safety. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 11d, 1.—**Nicholson, H. C.** Relationship between aviation medicine and flying safety. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 293, 1.—**Technical** flying-safety records. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 31.—**Winkel, N. C.** Safety work in the Netherlands during the war. Indust. Safety Surv., Genève, 1946, **22**: 121–5.

—— Devices.

See also names of such devices; also **Oxygen safety device.**

Measurements of the loads required to break commercial aviation safety belts as an indication of the ability of the human body to withstand high impact forces. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 3.—**Safety** devices. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 47–51.—**Shimoda, M.** Harnesses and belts for aircrewmen's safety, JAAF. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 231, 1.—**Static** loading tests of lap safety belts and shoulder harnesses. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 36.

SAFETY belt.

See **Belt; Harness;** also preceding heading.

SAILOR.

See **Seaman.**

ST Croix.

Lowman, K. E. Health conditions in St. Croix. Mil. Surgeon, 1929, **44**: 539–43.—**St. Croix.** In: Prev. Med. in World War II, Wash., 1948, **7**: 109–14.

SAIPAN.

See **World War II.**

SALERNO.

See under **World War II.**

SALICYLATE.

SMITH, P. K. Studies on the pharmacology of salicylates. 34p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 332, U. S. Air Force School Aviat. M.

Butt, H. R., Leake, W. H. [et al.] Physiological effects of salicylates. Bumed News Lett., Wash., 1945, **5**: No. 3, 9–13.—**Dargein.** Note sur l'action de la salicairine dans les diarrhées et les dysenteries. Arch. méd. pharm. nav., 1920, **110**: 298–303.—**Sapozhkov, V. P.** K lećeniju furunkulov, karbunkulov i tonzillitov salicilovym natrom. Voen. med. J., S. Peterb., 1911. **232**: Med. spec. pt, 334–7.

SALINE.

See under **Therapeutics,** Infusion.

SALIVA ejector.

See also **Dental equipment.**

Carson, J. E. Improvised saliva ejector. U. S. Nav. M. Bull., 1944, **42**: 463.—**Libbin, S. S.** Construction of a simple saliva ejector apparatus in the field. Mil. Surgeon, 1943, **92**: 435.

SALIVA test.

Castillon. Resistivité vitale et ptyalo-pronostics; la réaction de Faust Zambrini. Bull. Soc. méd. mil. fr., 1935, **29**: 251–8.—**Panagia, A.** La ptialo-reazione di Zambrini. Gior. med. mil., 1935, **83**: 1088–104.—**Salisbury, E.** Method of obtaining saliva for the saliva test. J. R. Army Vet. Corps, 1939–40, **11**: 9–13.

SALIVARY gland.

See also **Parotid.**

Christiansen, G. W., & Bradley, J. L. Treatment of salivary gland obstructions; report of two cases. U. S. Nav. M. Bull., 1945, **45**: 960–4.—**Monti, L.** Sull' alcolizzazione del nervo auriculo-temporale nella cura della fistola salivare del dotto di Stenonc. Gior. med. mil., 1943, **91**: 445–51.—**Page, J. A.** Report of a case of mixed salivary tumour. J. R. Nav. M. Serv., 1947, **33**: 217–20.—**Salivary** fistulae [resulting from war wounds] Rev. War Surg. & M., 1918, **1**: No. 4, 31–8.—**Walker, V. G.** The treatment of the diseases of the salivary glands and ducts. Mil. Surgeon, 1941, **89**: 656–60.—**Yosida, H.** Daeki-sen no iwayuru kongō-syuyō ni tuite [So-called mixed tumor of the salivary glands] Kaigun gun-ikai zassi, 1934, **23**: 506–15, 2pl.

—— Calculus.

Cahill, W. F. Salivary calculus in the submaxillary duct and its removal. U. S. Nav. M. Bull., 1947, **47**: 519–21.—**Esquier.** Calcul du canal de Wharton. Arch. méd. pharm. nav., 1929, **119**: 113.—**Hillebrand, R. J.** Salivary calculi; a case report. Med. Bull. Europ. Command, 1948, **5**: No. 7, 25.—**Hurst, R. L.** Submaxillary salivary calculus. J. R. Nav. M. Serv., 1942, **28**: 287.—**Labarthe.** Un cas de lithiase salivaire ayant donné lieu à l'extraction d'un énorme calcul. Bull. Soc. méd. mil. fr., 1935, **29**: 339–41.—**Pesme.** Calcul du canal de Wharton. Ibid., 1924, **18**: 85.—**Townsend, F. M.** Multiple calculi; Stenson's duct and parotid gland; with report of case. U. S. Nav. M. Bull., 1926, **24**: 909–13.—**Underhill, E.** Spontaneous extrusion of a salivary calculus. J. R. Army M. Corps, 1926, **47**: 135–7.—**Varriale, R.** La litiasi salivare (a proposito d'un caso di calcolosi del dotto di Wharton) Ann. med. nav., Roma, 1922, **2**: 205–40. ——— Un calcolo della glandula salivare sotto-mascellare. Ibid., 1927, **2**: 35–8. ——— Un nuovo caso di scialolitiasi sottomascellare. Ibid., 1931, **37**: pt 1, 12–23, pl.—**Vasta, G.** Un caso di calcolosi del dotto di Wharton. Gior. med. mil., 1933, **81**: 285–90.

SALMON.

See also **Fish.**

Rust, J. H., III, & Abshire, D. L. Canned salmon examination. Army Vet. Bull., 1942, **36**: 220–36. Also Mil. Surgeon, 1943, **92**: 281–94.

SALMONELLA.

See also **Typhoid.**

Barnes, L. A. Pathogenic enteric bacilli; the Salmonella group. U. S. Nav. M. Bull., 1944, **43**: 939–49.

—— Culture.

Archer, G. T. L. A modification of the method usually employed to obtain specific cultures from Salmonella group variants. J. R. Army M. Corps, 1941, **76**: 143–6.—**Arima, S., Kariya, K., & Nisida, N.** Saikin-sei syokuhin-tyūdoku-syō kiin-kin no sōki kenti hō [Glucose bouillon with brom-thymol-blue as indicator used for the proof of bacilli belonging to the Salmonella group in foodstuffs] Kaigun gun-ikai zassi, 1938, **27**: 87–103.—**Barnes, L. A.** The identification of Salmonella cultures. U. S. Nav. M. Bull., 1943, **41**: 1184–8.—**Jandásek, L., & Dvořáček, C.** Naše zkušenosti s Kristensenovou půdou při isolování salmonel. Voj. zdrav. listy, 1949, **18**: 197–9.—**Sćensnović, S. L.** Material k voprosu o sposobakh differencialnago razpoznavanija brjušno-tifoznoj i kišećnoj paloček. Izvest. Voen. med. akad., S. Peterb., 1903, **6**: 438–46.—**Tidy, H. L., & Dunn, I. P. S.** On the differential bactericidal values of malachite and brilliant green for the typhoid-coli group. J. R. Army M. Corps, 1916, **27**: 482–94.

—— Serology.

BROH-KAHN, R. H., BARCUS, W. D., & MITCHELL, R. B. The use of polyvalent sera for the rapid identification of Salmonella cultures. 16p. 27cm. Randolph Field, 1946.
Forms Rep. No. 1, Proj. No. 473, U. S. Air Force School Aviat. M.

EDWARDS, P. R., & BROH-KAHN, R. H. The serological identification of Salmonella cultures. 15p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 451, U. S. Air Force School Aviat. M.

Archer, G. T. L. Some observations on Salmonella flagellar antigens. J. R. Army M. Corps, 1938, **71**: 235–43. ——— Further observations on Salmonella flagellar antigens. Ibid., 1941, **77**: 188–97.—**Bensted, H. J.** Experiments in agglutination and absorption with the Salmonella group of organisms. Ibid., 1925, **44**: 11–22.

—— Types.

See also **Salmonellasis** (paratyphoid)

YOSIM, S. J., BROH-KAHN, R. H., & MITCHELL, R. B. Salmonella types isolated from presumably healthy AAF combat returnees. 6p. 27cm. Randolph Field, 1946.
Forms Rep. No. 1, Proj. No. 475, U. S. Air Force School Aviat. M.

Barnes, L. A. Salmonellae; animal source. Bumed News Lett., Wash., 1945, **5**: No. 5, 20.—**Bridges, R. F., & Dunbar, L.** Bact. kirkee: a new salmonella type. J. R. Army M. Corps, 1936, **67**: 289–94.—**Bridges, R. F., & Scott, W. M.** A new organism causing paratyphoid fever in India, Salmonella type Bareilly. Ibid., 1931, **56**: 241–9.—**Bruner, D. W.** Salmonella types encountered in the Mediterranean Theater [of war] Mil. Surgeon, 1945, **97**: 324–7.—**Carlquist, P. R., & Conte, L. M.** A new type of Salmonella. Bull. U. S. Army M. Dep., 1946, **6**: 343.—**Ewing, W. H. & Bruner, D. W.** Selection of salmonella and shigella cultures for typing. Med. Bull. Medit. Theater U. S., 1945, **3**: 155–60.—**Hayes, W., & Freeman, F.** A report on two permanently non-motile Salmonella variants. J. R. Army M. Corps, 1946, **87**: 118–23.—**Heinemann, B.** Incidence of shigellas and salmonellas isolated from American military personnel in Egypt; a bacteriologic analysis. War Med., Chic., 1945, **8**: 105–8.—**Hudec, I.** [Prevention of ptomaine poisoning by meat and the international system and diagnosis of the microbes of the Salmonella group] Voj. zdrav. listy, 1938, **14**: 195–200.—**Ikuma, K.** Naka Sina ni oite bunri-sitaru typhus-kin narabi-ni A-kei paratyphus-kin ni tuite; hu, Gärtner-si-kin oyobi C-kei paratyphus-kin ni tuite [Typhoid microorganisms and paratyphus A-type bacilli in Central China; supplement, Gärtner's bacillus and paratyphus C-type bacilli] Gun idan zassi, 1943, 1173–88.—**Kariya, K.** Salmonella enteritidis Gärtner yori tyūsyutu-seru yōketu-doku no kenkyū [Study on a hemolytic toxin extracted from Salmonella enteritidis Gaertner] Kaigun gun-ikai zassi, 1939, **28**: 316–33.—**Kisigami, S.** So-typhus-kin no seibutugaku-teki narabi-ni men-eki-kesscigaku-teki kenkyū [Biologische und serologische Untersuchungen der Mäusetyphusbazillen] Ibid., 1938, **27**: 915–70. ——— So-typhus-kin no nen-eki-tutumi sansei-nō siken [An experimental study of the ability to produce a Schleimwall of S. typhi murium (Löffler)] Ibid., 1939, **28**: 36–42, pl. ——— Kure gun-kō-nai ho-so yori bunri-sitaru Gärtner-kin ni tuite [Gaertner's bacilli isolated from rats caught in the Kure Naval Port] Ibid., 1940, **29**: 45–50.—**Nakaguro, H., & Yamasita, K.** Issin Salmonella-kin kei S. narasino. Gun idan zassi, 1938, 1241–5.—**Schneider, M. D.** Isolation of Salmonella tennessee from frozen whole and powdered egg. Bu . U. S. Army M. Dep., 1945, **4**: 477.

—— Types: S. typhi.

See **Salmonellasis (paratyphoid)** also **Typhoid bacillus.**

SALMONELLASIS (paratyphoid)

See also **Enteric fever; Enteritis; Food infection; Gastroenteritis; Typhoid;** also **Morbidity; World War I.**

Advier, M., & Moustardier, G. M. P. Les salmonelloses humaines; revue générale. Rev. Serv. san. mil., Par., 1939, **111:** 833–69.—**Bauer, F. K., & Watkins, J. H.** The bombing experience and case incidence of paratyphoid fever in nine German cities [ch.] In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 76.—**Bjurström, E.** [Practical principles in investigation of infection foci in paratyphoid] Tskr. mil. hälsov. 1937, **62:** 223–8.—**Cole, G. M.** Recent outbreak of Salmonella food infection. U. S. Nav. M. Bull., 1944, **42:** 1448–51.—**Deane, D.** Poultry, a source of Salmonella infection. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 3, 48–50.—**Evers, R., & Mühlens, P.** Cholelithiasis paratyphosa und Paratyphus erkrankung, ein Beitrag zur Frage der Bazillenträger. Deut. mil. ärztl. Zschr., 1909, **38:** 366–75.—**Firth, R. H.** The paratyphoid problem in India. J. R. Army M. Corps, 1911, **17:** 136–42.—**Gordon, J. E.** Food poisoning from Salmonella. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 2, No. 2, 7. ——— Paratyphoid fever. Ibid., No. 3, 8.—**Greenblatt, A. P., Delay, P. D.** [et al.] Salmonella epidemic from commercially prepared sandwiches. Bull. U. S. Army M. Dep., 1946, **5:** 345–8.—**Habs, H.** Infektionskrankheiten; die wichtigsten Infektionskrankheiten, ihre Verhütung und Bekämpfung; Paratyphus und akute Gastroenteritis. In: Wehrhygiene (Handloser, S.) Berl,. 1944, 35–8.—**Koricky, A. M.** K voprosu o klinićeskoj kartine massovykh tifo-podohnykh paratifoznykh zabolevanij. Voen. med. J., S. Peterh., 1914, **240:** Med. spec. pt, 445–74.—**Lohde, H.** Paratyphusepidemie und Vorkrankheit an Bord eines Kreuzers der Deutschen Kriegsmarine. Arch. Hyg., Münch., 1943, **131:** 150–60.—**McNaught, J. G.** Paratyphoid fevers in South Africa. J. R. Army M. Corps, 1911, **16:** 505–14.—**Peirce, E. R.** An outbreak of paratyphoid and dysentery in a training-ship. Brit. M. J., 1938, **1:** 217–21.—**Rajewska, E., & Kalinowski, W.** [Study of paratyphoid diseases] Lek. wojsk., 1931, **17:** 293–313.—**Sachs-Müke.** Ein klinisch interessanter Paratyphusfall. Deut. mil. ärztl. Zschr., 1907, **36:** 750–61.—**Samut, R.** Paratyphoid simulating Malta fever. J. R. Army M. Corps, 1909, **13:** 297–9. ——— Paratyphoid fever in Malta. Ibid., 442–8.—**Smith, L. A.** Salmonellosis; experiences in military and civilian practice. Gastroenterology, 1947, **9:** 551–6.—**Stewart, J. K., & Slack, J. M.** Salmonella food poisoning. Bull. U. S. Army M. Dep., 1945, No. 88, 120–2.—**Sussman, R.** Paratyphoid infections in a North African station hospital. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 5, 17–9.—**Typhoid** and paratyphoid in the Canal Zone. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, 116.—**Viskovsky, S.** Paratifoznye zabolevanija (salmonelez, ahdominalnyj paratif, paratifoznyj gastroenterit) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 328–36.

—— Bacteriology.

See also **Salmonella.**

Mitchell, R. B., & Broh-Kahn, R. H. An outbreak of food-borne gastroenteritis presumably caused by Salmonella pullorum. 8p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 450, U. S. Air Force School Aviat. M.

Takita, S. Paratyphus no issyu ni tuite [A variety of paratyphus] p.1–52. 22cm. Tōkyō, 1925.

Gun idan zassi, 1925.

Baar, H. Ueber eine Epidemie von Enteritis Gärtner und das Phänomen der Gruppenagglutination bei deren serologischer Untersuchung. Deut. Militärarzt, 1937, **2:** 482–5.—**Blumenthal, N. L.** [Food poisoning hy a culture of rat typhoid in connection with the question on identification of the causative agent] Tr. Acad. mil. méd. Kiroff, 1934, **1:** 369–83.—**Bridges, R. F.** A case of infection with Salmonella, type Duhlin. J. R. Army M. Corps, 1934, **62:** 385–90.—**Gregg, R. G. S., & Hayes, P.** A case of continued fever due to Bacillus enteritidis Gärtner coincident with a gunshot wound of the chest. Ibid., 1921, **37:** 64–7.—**Greifinger, W., & Silberstein, J. K.** Salmonella food infection in military personnel; an outbreak caused hy S. oranienburg, S. typhi murium, and S. anatum. J. Laborat. Clin. M., 1944, **29:** 1042–53.—**Jelinek, B.** Hidrična epidemija tifusa i paratifusa B u Splitu 1948 godine. Voj. san. pregl., Beogr., 1949, **6:** 333–48.—**Lavergne, V., & Accoyer, H.** Septicémie à bacille de Gärtner avec localisation hépato-hiliaire. Bull. Soc. méd. mil. fr., 1934, **28:** 59–62.—**McNaught, J. G.** A note on two cases of paratyphoid fever in which a new variety of paratyphoid bacillus was found in the hlood. J. R. Army M. Corps, 1908, **10:** 171–4.—**Myers, W. A., & Eckles, L. E.** Epidemic of food infection caused by Salmonella montevideo. U. S. Nav. M. Bull., 1944, **43:** 1067–73.—**Ohtani, G., & Tanaka, H.** K-kei paratyphus-kin hoyū-syō ni tuite [A passive carrier of the K-type paratyphoid bacillus] Gun idan zassi, 1940, 421–6.—**Outbreaks** of food poisoning in England and Wales, 1923–19 Octoher 1943, hy type of Salmonella isolated [tah. 7] In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 2, No. 2, after p. 39.—**Randall, C. C., & Marks, L. M.** A salmonella outhreak involving three types of the genus. Mil. Surgeon, 1945, **97:** 144–6.

—— Type A.

Barnes, L. A., Edwards, P. R., & Babcock, M. C. The natural occurrence of phase 2 of Salmonella paratyphi A. 2p. 27cm. Bethesda, 1949.

Forms Rep. No. 9, Proj. NM 005 010 (or, X–756) U. S. Nav. M. Res. Inst.

Blackwell, W. R. A fatal case of paratyphoid fever A. J. R. Army M. Corps, 1911, **17:** 277–9.—**Bru.** A propos d'un foyer épidémique de fièvre parathyphoïde A. Bull. Soc. méd. mil. fr., 1948, **42:** 96–100.—**Cope, S., & Bennett, R. A.** Notes on a small epidemic of paratyphoid A fever. J. R. Army M. Corps, 1949, **92:** 44–8.—**Dive, G. H.** A case of paratyphoid A fever. Ibid., 1922, **38:** 306–8.—**Goodwin, W. R. P.** A case of paratyphoid fever A with relapse. Ibid., 1914, **23:** 205–7.—**Hiki, Y.** Paratyphoid A in the Japanese Navy; hiological and immunological properties of the bacillus and clinical observation of the disease. Kaigun gun-ikai zassi, 1931, **20:** Suppl. 2, 1–14, tah.—**Hukada, M.** Nekka-syō Sekiho tyūryū-tyū tahatu-seru kihei dai ------ rentai no A-kei paratyphus, dō-kin hoyū-syō ni tuite [The A-type paratyphoid fever that was wide-spread among the memhers of Cavalry Regiment No. ----, and the carriers of the bacillus, while the regiment was stationed at Ch'ih-fên in Jê-hol province] Gun idan zassi, 1938, 31–48.—**Kanno, M.** A-kei paratyphus no iti rei [Ein Fall von Paratyphus Typus A] Ibid., 1925, 1720–44.—**Miura, H.** Syōwa 14-nendo Sasebo Kaigun Byōin ni syūyō-seru A-kei paratyphus kanzya no rinsyōgaku-teki kansatu narahi-ni bunri-kinsyu no kōgen tokusyusei ni tuite [Clinical ohservations on paratyphoid A patients admitted to Saseho Naval Hospital in 1939, and the antigenic specificity of the strains isolated from the patients] Kaigun gun-ikai zassi, 1940, **29:** 634–9.—**Ohtake, K.** Issyu no A-kei paratyphus-kin ni tukite [An atypical strain of paratyphoid A bacillus] Ibid., 1931, **20:** 105–25.—**Peloquin & Vogelin.** Un cas d'ostéite sterno-costale à paratyphique A; échec du traitement vaccinothérapique; pneumopathie à paratyphique A compliquée d'une infection secondaire à streptocoque mortelle. Bull. Soc. méd. mil. fr., 1923, **17:** 261–8.—**Perricone, G.** Il paratifo A come agente piogene. Gior. med. mil. 1926, **74:** 432–5.—**Sasiziku, S., Hirotuzi, S.** [et al.] Taisyō zyūni-nen Tainan hutai ni ryūkōseru A-kei paratyphus ni tuite [Concerning the epidemic of A-type paratyphoid fever in the regiment in Tainan (a city in Formosa) in 1923] Gun idan zassi, 1925, 225–62, 2 pl.—**Ueda, H.** Shōwa san-nen rengō kantai ni tahatu-seru kei-yobō sessyu-sya no paratyphus A ni tuite [Observation of para-typhoid A prevalent in the vaccinated of the combined fleet during 1928] Kaigun gun-ikai zassi, 1930, **19:** 73–96.

—— Type B.

Abrams, R. C., & Gaensien, F. G. Salmonella osteomyelitis; report of a case with Salmonella schottmülleri as the etiologic agent. U. S. Nav. M. Bull., 1948, **48:** 306–11.—**Endō, K., Masuda, T., & Nakatome, K.** Kiyū-naru B-kei paratyphus-sei tannōen ni tuite [The rare B-type paratyphoid cholecystitis] Gun idan zassi, 1930, 811–4.—**Guerbet & Parnet, M. F.** Une intoxication alimentaire collective due au bacille paratyphique B (un cuisinier porteur de germes paraît en être responsable) Arch. méd. pharm. mil., 1933, **99:** 673–5.—**Ogawa, T.** Naka Sina ni oite bunri-seru gasu-nan sansei paratyphus B-kin [Isolation in Central China of the paratyphoid hacillus that hardly produces gas] Gun idan zassi, 1943, 1084–92.—**Renkonen, K. O.** Erfahrungen hetreffs des Vorkommens von Schottmüller-Bazillen im Stuhl während einer kleinen Paratyphus-Epidemie in einem finnischen Militärlazarett. Acta Soc. med. Duodecim, Ser. A, 1947, **23:** No. 2, 103–7.—**Schad.** Eine Paratyphusepidemie (Schottmüller) von der Quelle his zum Ahschluss. Deut. Militärarzt, 1937, **2:** 206–11.—**Shaw, A. B., & Handfield-Jones, R. P. C.** Paratyphoid B fever; an epidemic remarkahle for its mildness. J. R. Army M. Corps, 1948, **91:** 189–202.—**Urbain, A. C., Stocanne, M., & Chaillot, L.** Etude d'une épidémie à hacilles paratyphiques B chez le cheval; essais de vaccination. Rev. vét. mil., Par., 1929, **13:** 176–82.—**Yosida, K.** Teikoku kaigun ni okeru B-kei paratyphus-kin no seizyō ni tuite [Characteristics of paratyphoid B hacilli isolated from cases in the Japanese Navy] Kaigun gun-ikai zassi, 1930, **19:** 97–119.

—— Type C.

Bieling, R. Erkrankungen durch Paratyphus C-Bacillen; Erfahrungen aus der Ukraine, aus Serbien und Kroatien. Deut. Militärarzt, 1944, **9:** 371–7.—**Fricker, J. M.** Les infections à hacilles paratyphiques C. Arch. méd. pharm. mil., 1931, **94:** 201–10.—**Habs & Bader.** Paratyphoid C. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 121.—**Kurita, A.** Mansyū ni okeru C-kei paratyphus-kin wo

syōmei-seru sikkan narabi ni gai-kin ni kan-suru kenkyū [Studies in diseases known to be caused by Salmonella hirschfeldii and in the bacillus itself] Gun idan zassi, 1938, 479; 659; pl.—**Owczarewicz, L.** [Numerous cases of meat poisoning in the Polish army due to the paratyphoid bacillus C] Lek. wojsk., 1927, **10**: 216–33.—**Sohier, R., & Henry, R.** [Paratyphoid C infections in man] Askerî sihhiye mecmuası, 1940, **69**: No. 31, 59–69.

—— in animals.

Bingel. Die Durchlässigkeit der Eischale für Bakterien der Enteritis-(Salmonella) Gruppe und ihre epidemiologische Bedeutung. Veröff. Heer. San., 1938, H. 105, 182–91.—**Rao, S. B. V.** Salmonellosis in ducks in Army development farm. Ind. Vet. J., 1945–46, **22**: 279. Also J. R. Army Vet. Corps, 1945–46, **17**: 107.—**Walker, W.** Bacillus aertrycke; the possible causative bacillus of canine typhus. Ibid., 1929, **52**: 317.

SALONICA.

See under **World War I.**

SALT.

See also **Heat,** Dehydration.

Catchpole, H. R., & Pine, M. B. Self selection of diets in rats rendered anoxic by decompression to altitude; salt appetite. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X-316, U. S. Nav. M. Res. Inst.

Consolazio, W. V., Pecora, L. J., & Pfeiffer, C. C. A new salt tablet for use in hot environments. 11p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-214, U. S. Nav. M. Res. Inst.

SALT depletion.

See under **Heat stroke; Perspiration.**

SALT tablet.

See **Heat,** Hygienic measures.

SALT-WATER ulcer.

See **Leg,** Ulcer.

SALWEEN Campaign.

See under **World War II.**

SAMOA.

See under **World War I; World War II.**

SAMPLING.

See also **Statistics.**

Deemer, W. L., jr. The power of the T test and the estimation of required sample size. 13p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 495, U. S. Air Force School Aviat. M.

Votaw, D. F., jr. Calculation of probability tables for new multivariate tests; computational procedures for determining per cent points of certain sampling distributions. 12p. 27cm. Randolph Field, 1949.

Forms Rep. No. 1, Proj. No. 21-02-033, U. S. Air Force School Aviat. M.

Deemer, W. L., jr, Rafferty, J. A., & Votaw, D. F., jr. Empirical study of the restriction of range. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 15.—**Luykx, H. M. C.** Biostatistics in medical research; probabilities in small samples. U. S. Nav. M. Bull., 1945, **44**: 125–33. ——— Biostatistics in medical research; samples which are 100% positive. Ibid., 370–4.

S A M test.

For the various tests in this series of examinations see under **Aviator** subheadings (Fitness tests; Psychological examination)

SANATORIUM.

See also **Hospital; Therapeutics,** Balneotherapy; **Tuberculous,** Treatment.

Ceitlin, A. Sanatornyj lager. In: Bolsh. med. encikl., 1934, **29**: 563.—**Jakovlev, G.** [Organization of kitchens in sanatoriums by Wirth' method] Voen. san. delo, 1935, 35–40, 4ch.—**Personal** (A) experience of life in a sanatorium. J. R. Army M. Corps, 1911, **17**: 584–95.—**Saidac, I., & Parvulescu, N.** Hôpitaux et sanatoriums militaires roumains. Rev. san. mil., Bucur., 1937, **36**: 492–507, illust.—**Voute.** La cure en sanatorium des militaires de carrière. Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 269–95.

SANDFLY fever.

See **Phlebotomus fever.**

SAN Domingo (1801)

See under **Wars and campaigns.**

SAN Francisco.

See under **Sanitation,** History.

SANITARIAN [and sanitary engineer]

See also subsequent headings.

Blew, M. J. A sanitary engineer views the post-war world. Mil. Surgeon, 1947, **100**: 407–14.—**Gwin, L. L.** Duties of post sanitary engineer. Bull. U. S. Army M. Dep., 1945, **4**: 120–2.—**Klassen, C. W.** The procurement and assignment of sanitary engineers by the War Manpower Commission. Water Works & Sewer., 1943, **90**: 165.—**Kossuth, L. C.** Utilization of sanitary engineers in the USAF. Bull. San. Engin. (NRC) Wash., 1949, 16. meet., 182.—**Messier, H. L.** Sanitarians rendered service to the United States Army. Sanitarian, Los Ang., 1942, **5**: 209, &c.—**Procurement** of sanitary engineers. J. Am. M. Ass., 1943, **121**: 1289.

SANITARY Corps.

See also **Medical Service Corps.**

Birand, I. [Sanitary organization during war] Askerî sihhiye mecmuası, 1936, **65**: 151–62.—**Corpo** de saúde e sua eficiencia. Rev. med. mil., Rio, 1938, **27**: 3–6.—**Fishman, F.** Sanitary service during attacks] Voen. san. delo, 1936, No. 4, 29–35.—**Martins Pereira, H. A.** Serviço de saúde da divisão de infantaria. Rev. méd. brasil., 1947, **22**: 251–69. Also Rev. med. mil., Rio, 1947, **36**: 138–48.—**Nordlander, O.** [Changes in service regulations for recruits and students of the Sanitary Corps after entry into preliminary service in 1935] Tskr. mil. hälsov., 1936, **61**: 197–213.—**Popov, G. M.** [Problems of sanitary service doctors in the defense of the country] Hig. & san., Moskva, 1940, **5**: No. 5, 4–6.—**Wolff, A.** Der Beruf des Sanitätsoffiziers. Deut. Aerztebl., 1942, **72**: 266, &c.

—— United States.

Carlquist, P. R. The Sanitary Corps officer in the laboratory. Mil. Surgeon, 1947, **101**: 130–3.—**Clark, L. K.** The Sanitary Corps in forward areas. Ibid., 32–5.—**Commissions** in Sanitary Corps. Ibid., 1942, **91**: 107.—**Hardenbergh, W. A.** Sanitary engineering activities of the Sanitary Corps, United States Army. Am. J. Pub. Health, 1941, **31**: 1285–8. ——— The Sanitary Corps of the United States Army. Illinois Health Mess., 1942, **14**: 33–5. ——— Sanitary Corps functions and organization. Mil. Surgeon, 1947, **100**: 222–4.—**Over** and short listing of Sanitary Corps personnel in POA. In: Prev. Med. in World War II, Wash., 1948, **10**: 43.—**Rogers, J. A.** The Sanitary Corps; qualifications and assignment of its officers. Circ. Letter Off. Surg. Gen. War Dep., 1943, No. 2, 1.—**Sanitary** Corps. Bull. U. S. Army M. Dep., 1945, No. 85, 47.

SANITARY engineering.

See also **Sanitation.**

United States. Office of Civilian Defense. Medical Division. Sanitary engineering bulletin. Wash., No. 1942–

Baty, J. B. Special sanitary engineering problems. Mil. Surgeon, 1945, **97**: 51–5.—**Hardenbergh, W. A.** Meeting the public health engineering problems of the Army overseas. Am. J. Pub. Health, 1944, **34**: 155–8. ——— Overseas sanitary engineering organization. Mil. Surgeon, 1945, **96**: 314–6.—**Man** and his environment; the role of the public health engineer. Med. Bull. U. S. First Army, 1949, **4**: No. 6, 18–20.—**Old, H. N.** Sanitary engineering activities of the United States Public Health Service. Mil. Surgeon, 1945, **96**: 316–20.—**Poole, B. A.** Sanitary engineering activities of the Corps of Engineers. Ibid., **97**: 44–50.—**Turner, C. M.** The role of the sanitary engineer in the Army Medical Department. Ibid., 1949, **104**: 380.—**Wolman, A.** Algunos desenvolvimientos en ingeniería sanitaria durante la guerra. Bol. Of. San. panamer., 1946, **25**: 305–13. ——— Some sanitary engineering developments during the war. Ibid., 320–6.

SANITARY equipment.

See under **Equipment.**

SANITARY fill.

See also **Fecal matter.**

Sanitary fill on the island of Efate. Bull. U. S. Army M. Dep., 1945, No. 89, 12.

SANITARY inspection.

See **Inspection.**

SANITARY troops.

See also **Medical troops.**

Albescu, V., & Tomşa, G. Contributions to the study of the recruiting and training of the subordinate sanitary military staff of the Roumanian Army. Rev. san. mil., Bucur., 1937, **36**: 565–8.—**Blech, G. M.** Drill regulations and service manual for sanitary troops U. S. Army 1914. Mil. Surgeon, 1915, **36**: 18–20.—**Gruber, G.** Der Luftschutzsanitätstrupp. Gasschutz, 1937, **7**: 29–33.—**Mäder, H.** Der Sanitätsschütze. Militärsanität, Zür., 1945, **27**: 55.—**Rozhdestvensky, V. M.** [The importance of the sanitary platoon in antiepidemic work among troops in the field] Voen. san. delo, 1942, No. 11, 56–8.—**Shluger, N., & Komissarov, M.** Sanitarnyj instruktor. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1428–31.—**Timofeevsky, P., & Komissarov, M.** Sanitar. Ibid., 1316–21.—**Voitenko, M.** Sanitarnyj vzvod. Ibid., 1427.—**Vollenweider, P.** Ueber den Waffeneinsatz bei den Sanitätstruppen. Militärsanität. Zür., 1945, **27**: 53–5.

SANITATION.

See also **Aircraft; Air Force Medical Service:** United States; **Airport; Air travel,** Safety and sanitation; **Battlefield; Battleship; Camp,** Hygiene and sanitation; **Disinfection; Disinfestation; Disinsectation; Dust; Equipment,** sanitary; **Health; Hospital administration,** Sanitation; **Maneuvers; Mess; Munitions plant; National defense,** Defense area; **Occupied area; Prisoner of war; Rodent control; School; Ship; Tropical service,** etc.

Gorgas. W. C. Thrift in health; application of lessons of military sanitation to peace times. 6p. 23cm. N. Y., 1918.

Morton, D. Some practical points in military sanitation; flies and mosquitoes as disseminators of disease. 24p. 18cm. S. Joseph, 1909.

Akkerman, A. Sanitarnaja podgotovka vojsk. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1326–31.—**Barbieri, P.** Estrategia sanitaria. Rev. san. mil., B. Air., 1946, **45**: 455–65.—**Boldyrev, T.** Sanitarnaja obrabotka. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1321–5.—**Counter, C. E.** Military sanitation. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 98–110.—**Dhondy, B. S.** Observations on military sanitation. J. R. Army M. Corps, 1943, **80**: 100–4.—**Ferrari, R. P.** Aus dem Sanitätswesen fremder Heere. Deut. med. Wschr., 1938, **64**: 1082–5.—**Giger, E.** Schnelle Sanität. In: Sanitätstruppen, Zür., 1942, 25–9, illust.—**González Puccini, A.** Trascendencia de la sanidad militar. Rev. san. mil., Carácas, 1942, **1**: 5–17.—**Holmquist, C. A.** Sanitation in the defense program. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 43–7.—**Hurley, J. R.** The sanitation of public buildings. Mil. Surgeon, 1917, **40**: 183–94.—**Levene, A.** La sanidad militar y el problema de economía humana. Prensa méd. argent., 1934–35, **21**: 460–5.—**McGee, R.** The Filth Column and the war emergency. Bull. Dep. Health Kentucky, 1942–43, **15**: 89.—**MacMillen, H. N.** Military sanitation. Sanitarian, Los Ang., 1944, **6**: 429, &c.—**Morgan, C. V.** Sanitation. Med. Bull. Europ. Command, 1949, **6**: No. 4, 48.—**Sanchez Zorrilla, T.** Rol de la sanidad militar. Rev. san. mil., Asunción, 1938–39, **12**: 895–902.—**Suhaţeanu, C. S.** Captarea şi purificarea apei la armată. Rev. san. mil., Bucur., 1936, **35**: 949–58.—**Sysin, A.** Sanitarija. In: Bolsh. med. encikl., 1934, **29**: 570.

—— Air conditioning.

See **Ventilation.**

—— Aviation aspect.

Abe, T. Sanitation facilities aboard [JNAF] aircraft. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 221, 1.—**Control** of sanitation. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 12.—**General** medicine and sanitation. Ibid., 1945, 35–9.—**Hirayama, S.** Sanitation facilities aboard aircraft, JAAF. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 234, 1.—**Marinucci, M.** L'impiego dell'aviazione nell'assistenza sanitaria in guerra. In: Tratt. med. aeronaut., Roma, 1942, **3**: 349–67.—**Simonetti, M.** L'organizzazione della sanità militare aeronautica. Ibid., 329–48.—**Vespermann.** Der Luftschutzsanitätsdienst. Gasschutz, 1937, **7**: 127; 130.

—— Control.

See **Food inspection; Meat inspection;** also next subheading.

—— Field sanitation.

See also other subheadings (Manual; naval)

Havard, V. Field sanitary service. 25p. 8° [n.p.] 1902 [?]

Davide, H. Bekämpande av epidemiska sjukdomar i fält. In: Fältmed. vademecum, Stockh., 1940, 78–92.—**Fraser, G. M.** Sanitation in the field. Canad. Pub. Health J., 1943, **34**: 112–20.—**Gorbov, V. A.** [Cleansing of populated localities during military operations] Hig. & zdorov., 1941, **6**: No. 11, 6–10.—**Hardenbergh, W. A.** Military field sanitation. War Med., Chic., 1941, **1**: 479–85.—**Jakubowski, W.** Zastosowanie chloru cieklego w warunkach polowych. Lek. wojsk., 1933, **21**: 420–5.—**Muñiz y Angulo, L.** Sanidad en campaña. Rev. san. mil., Habana, 1943, **7**: No. 3, Suppl., 1–47.—**Osipenko, K.** Polevaja sanitarija. In: Bolsh. med. encikl., 1933, **26**: 186–90.—**Pico Navarro, R.** Sanidad en campaña; algo que todo jefe debe conocer. Rev. méd. mil., Méx., 1939–40, **2**: No. 11, 33–40.—**Sanitation** in the field. Bull. U. S. Army M. Dep., 1944, No. 83, 14.—**Smallhorst, D. F.** A field sanitation demonstration area built without cost. Army M. Bull., 1943, No. 68: 166–72.—**Thompson, T. O.** The disposal of animal litter in the field. J. R. Army M. Corps, 1932, **58**: 24–30.—**Wooders, M. A., & Curtis, D. A.** Field sanitary measures. In their Emergency Care, Phila., 1942, 456–65.

—— History.

United States. Army. Chief Sanitary Officer for the City of San Francisco [Medical Department reports, memoranda & orders on sanitation in San Francisco following the earthquake and fire, April 18, 1906] 4v. 20cm. S. Franc., 1906.

United States. Army. Headquarters of Officer in Charge of Sanitary Arrangements for the Presidio [Reports, memoranda, orders] 4v. 26½cm. Presidio of S. Franc., 1906.

History of military sanitation. Clin. Excerpts, 1943, **17**: 163–72, illust.—**Markowe, M., & Thompson, A. W. S.** A hygiene visit to the ancient world. J. R. Army M. Corps, 1944, **82**: 51–7.—**Schäfer, K. H.** Zur Geschichte des Feldsanitätswesens im Mittelalter. Med. Welt. 1947, **11**: 1593.

—— Improvisations.

Balfour, A. Sanitary and insanitary makeshifts in the Eastern war areas. p.99–142. 25cm. Lond., 1921.

In his War against Trop. Dis., 2. ed., Lond., 1921.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Improvised combat sanitation. 24p. 27cm. Orlando, 1944.

Forms Pt 13, Notes Trop. Dis. Arctic Desert Trop. Br. A. A. F. U. S.

Emergency sanitation projects. Mil. Surgeon, 1942, **91**: 709.—**Kraus, L.** O sanitetskim improvizacijama. Voj. san. pregl., Beogr., 1948, **5**: 263–7.—**Martine, W. R.** Improvisations. J. R. Army M. Corps, 1949, **92**: 173–82.—**Messerli, F. M.** L'improvisation de la désinfection. Militärsanität, Zür., 1944, **26**: 88.

—— Manual.

See also subheading (Field)

Finkler, I. M., & Speranskaia, S. M. Учебник для санитарных дружинниц. 280p. 20cm. Moskva, 1944.

Great Britain. War Office. Manual of sanitation in its application to military life. 64p. 18½cm. Lond., 1920.

—— Army manual of hygiene and sanitation, 1934. 296p. 18cm. Lond., 1939.

United States. Army. Enlisted Technicians' School. Letterman General Hospital. Hygiene and sanitation for medical technicians. 166p. 27cm. S. Franc., 1944.

United States. Army. Medical Field Service School. Essentials of field sanitation. 127p. 15cm. Carlisle Barracks, 1933. Also Rev. ed. 180p. 15½cm. Carlisle Barracks, 1940.

United States. War Department. Medical field manual; field sanitation. 172p. 19cm. Wash., 1940.

—— Field manual FM 21–10: Military sanitation, July 1945. 249p. 17cm. Wash., 1945.

Wilson, J. S. Field sanitation; a manual for noncommissioned officers. 4. ed. 123p. 18°. Menasha, 1917.

—— naval.

See also subheadings (—by countries: France; Great Britain; Italy; Russia; United States)

Mann, W. L., jr. Field sanitation. p.327–412. 8°. Wash., 1938.

U. S. Nav. M. Bull., 1938, **36**:

McWilliams, W. H. Field sanitation. Hosp. Corps Q., 1928, **12**: 165–88, pl.—**Sanitarnaja** tekhnika korabelnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1345.—**Sanitarnyj** patent. Ibid., 1433.

—— veterinary.

See under **Veterinary service.**

—— by countries.

Gören, S. Ordumuzda sağlik problemi ile ilgili işler. Askerî vet. dergisi, 1949, **25**: 145–53.—**Jorge, R.** Sanidade em campanha. Portugal méd., 1918, **4**: 236–47.—**Philippine** Army extra cantonment health and sanitary regulations. Month. Bull. Bur. Health Philippines, 1939, **19**: 251–74.—**Sanidad** militar argentina. Rev. med. hyg. mil., Rio, 1925, **14**: 312; passim.

—— by countries: France.

See also this country under the headings **Medical Corps; Medical Department; Medical organization; Medical service.**

Poncin, A. C. *Le règne de Louis XIV et l'organisation du Service de santé militaire. 135p. 25cm. Lyon, 1944.

Grollet, C. Service de santé et service sanitaire aux armées. Rev. path. comp., Par., 1916, **16**: 252.—**Provost.** Hygiène et habitabilité du prototype des avisos pour campagnes lointaines; le Dumont-d'Urville. Arch. méd. pharm. nav., 1935, **125**: 610–20.—**Saint-Sernin.** La chimie au service de l'hygiène dans la marine française. Arch. méd. belg., Bull. internat., 1934, **87**: 344–62.

—— by countries: Germany.

See also this country under the headings **Medical Corps; Medical department; Medical organization; Medical service.**

Gaudlitz, G. Geländedienst der Sanitätseinheiten. 4. Aufl. 110p. 17cm. Lpz., 1940.

Germany. Heer. Südwest. Heeresgruppenarzt C. Malaria-Abwehrstab. Richtlinien für den mechanischen Mückenschutz der Unterkünfte. 4p. 25cm. n. p., 1944.

Germany. Oberkommando der Wehrmacht. Chef des Wehrmachtsanitätswesens. H S In-Wi G IaI: Anweisung zur Anwendung des insektentötenden Mittels Giz. [2]p. 30cm. n. p., ca. 1944.

Musehold, P., Schmidt, G. [et al.] Militärsanitätswesen. p.447–654. 27cm. Berl., 1910.

In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**:

Güth. Einige praktische Erfahrungen bei Sanitätsunterständen. Münch. med. Wschr., 1916, **63**: 1746.—**Haubold, H.** Friedrich der Grosse und das Gesundheitswesen; Verpflegungswesen und andere Massnahmen der vorbeugenden Gesundheitsführung in der fridrizianischen Armee. Deut. Aerztebl., 1938, **68**: 82.—**Schmidt, G.** Gliederung des Militärsanitätsdienstes und Sanitätsausrüstung. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 447–64.—**Schwerz, F.** Das Sanitätswesen im Heere Friedrichs des Grossen. Ciba Zschr., Basel, 1938–39, **6**: 2366–70.

—— by countries: Great Britain.

Chambers, J., & Buckeridge, G. L. Hygiene in the Royal Navy. Practitioner, Lond., 1926, **117**: 1–11.—**Holtom, E. C.** Aspects of hygiene and sanitation in the Royal Navy. J. R. San. Inst., 1946, **66**: 7–11.—**MacNalty, A. S.** Improvement in military hygiene. In his Hist. State Med. England, Lond., 1948, 26.—**Zhigan, A.** [War sanitary organization in the British Army] Voj. san. glasnik, 1940, **11**: 413–22.

—— by countries: Italy.

Igiene navale e flotta da guerra. Minerva med., Tor., 1940, **31**: pt 1, varia, 584–6.—**Pasquale, A.** Assetto sanitario ed igienico su navi da battaglia di 1ª classe. Ann. med. nav., Roma, 1906, **1**: 5–48.—**Teneff, S.** Sezione di sanità. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 27. ——— Unità sanitarie specializzate. Ibid., 30–3.

—— by countries: Japan.

Tazaki, T. Gunzin eiseigaku. 201p. 22½cm. Tōkyō, 1940.

Forms No. 13, Zyukō-kyō.

Koike, M. Nippon Rikugun eisei-zyō no gaikyō [... sanitation in the Japanese Army] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 160–78. ——— Nippon Rengō Igakkai ni okeru sen-eki eisei seiseki no happyō [Report to the united medical societies of Japan on the results of sanitary measures during the war] Ibid., 655–67.—**Suzuki, S.** The sanitation of Japan's navy. Med. Leg. J., 1905–06, **23**: 395–404.

—— by countries: Jugoslavia.

Jugoslavia. Ministarstvo vojske. Vojnosanitetski statistichki godishniak. Beograd, 1926–33.

Deák, A. P. [New hygienic methods in the Army] Voj. san. glasnik, 1938, **9**: 333–43.—**Fajgelj, I.** Metodika nedeljne sanitetske smotre. Voj. san. pregl., Beogr., 1949, **6**: 433–5.

—— by countries: Mexico.

Gomez Azcarate, G. Organización de la sección sanitaria en campaña. Mem. Convenc. méd. mil. mex., 1936, 53–76, 4 pl.—**Márquez Escobedo, M. B.** Programa mínimo de trabajos de las secciones sanitarias del Ejército mexicano. San. mil., Méx., 1948, **1**: 108–11.—**Mayoral Pardo, D.** Notas acerca de la historia y evolución de la sanidad militar en México. Sugestiones, Méx., 1943–45, **9**: No. 115, 3–29. ——— Historia y evolución de la sanidad militar en México. Rev. san. mil. argent., 1948, **47**: 32–44, ch.—**Notas** para la historia de la sanidad militar. Gac. méd. mil., Méx., 1933–34, n. ser., **1**: 429–56.—**Suárez Torres, G.** Algunos problemas de sanidad militar. Sugestiones, Méx., 1943–45, **9**: No. 115, 51–6.

—— by countries: Peru.

Año (Un) mas en la historia de la sanidad militar, 1937–38. Rev. san. mil., Lima, 1938, **11**: 176–87.—**Expedition** al Peru y Chile. Bol. farm. mil., Madr., 1934, **12**: Suppl., 54–64.—**Jornadas** médico-quirúrgicas, 1942. Rev. san. mil., Lima, 1942, **15**: 113.—**Kuczynski-Godard, M. H.** Campaña sanitaria en el Oriente Peruano. Rev. mil. Perú, 1943, **40**: pt 3, 165–80.—**Pérez Aranibar, E.** Organización y funcionamiento del servicio de sanidad en campaña en las unidades de tropa. Rev. san. mil., Lima, 1936, **9**: 64–96, pl.

—— by countries: Poland.

Polak, J. [The problem of improving hygienic conditions in Polish cities] Lek. wojsk., 1928, **11**: 275–9.—**Zaliński, B.** Co to sa wojska sanitarne? Ibid., 1921, **2**: 814–23.

—— by countries: Romania.

Cerbulescu, C. Mijloacele de cercetarea calităţilor produselor alimentare intrebuinţate in armată. Rev. san. mil., Bucur., 1937, **36**: 113–21.—**Marinescu, N.** Aperçu sur l'histoire du Service de santé de l'Armée roumaine. Ibid., 508–19.—**Saidac, I.** Planul de intrebuinţare al serviciului sanitar in războiu. Ibid., 11–6.

—— by countries: Russia.

Akkerman, A. Sanitarnoe prosveśćenie v Sovetskoj Armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1417–24.—**Amstislavsky, M. A., Hamburg, M., & Gagolin, K. A.** [New types of sanitary technic in the Red Army] Voen. san. delo, 1943, 52–61.—**Barabanov, A. J.** Sanitarnoe obespećenie strelkovoj roty v oborone. Ibid., 1941, No. 2, 53–60. ——— & **Solodilov, E. V.** Sanitarnoe obespećenie bataliona, dejstvujušćego v avangarde, pri preodolenii polosy inženernokhimićeskikh zagraždenij. Ibid., No. 4, 9–18.—**Georgievsky, A. S.** Osnovy organizacii sanitarnogo obespećenija ešelona razvitija proryva udarnoj armii. Ibid., 1–9. ——— Organizacija i provedenie polevogo sanitarno-taktićeskogo zanjatija na temu Sanitarnoe obespećenie bataliona v nastuplenij. Ibid., No. 5, 7–20.—**Gotz, L.** Za sistematićeskoe izućenie voenno-istorićeskikh materialov sanitarnoj služby. Ibid., 1936, No. 9, 3–5.—**Grigorjev, A.** Sanitarno-taktićeskaja podgotovka. In:

Encikl. slovar voen. med., Moskva, 1946–48, 4: 1393–5.—**Krotkov, F.** Sanitarno-higienićeskoe obespećenie vojsk. Ibid., 1382–5. ——— & **Dernov, A.** Sanitarnyj nadzor. Ibid., 1431–3.—**Minkevich, I.** Sanitarno-bakteriologićeskoe issledovanie poćvy. Ibid., 1348. ——— **Belikov, L., & Siroko, A.** Sanitarno-bakteriologićeskie issledovanija. Ibid., 1345–65.—**Pashkov, V. N.** Mediko-sanitarnoe obsluživanie topografićeskikh ćastej. Voen. san. delo, 1941, No. 3, 66–70.—**Perkov, N.** Sanitarnoe otdelenie strelkovoj roty. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1414–7.—**Petrovsky, K.** Sanitarno-piśćevoj nadzor. Ibid., 1391–3.—**Preobrazhensky, A. F.** Polevye zanjatija na temu Organizacija sanitarnogo obespećenija strelkovogo bataliona v oborone. Voen. san. delo, 1941, No. 5, 20–31.—**Rogosin, I., & Stanishevsky, A.** [Sanitary conditions in water supply and removal of refuse from military camps in Soviet Russia] Voen. med. J., Moskva, 1931, 2: 115–21.—**Salkind, I. A.** [Sanitary service for the past 20 years] Voen. san. delo, 1937, No. 11, 5–21.—**Semashko, N. A.** [Hygiene and hygienic science at the rear] Feldsher, Moskva, 1941, No. 11, 3–7.—**Siroko, A.** Sanitarno-bakteriologićeskie issledovanija; pitatelnye sredy. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1362–4.—**Smirnov, E. I.** Sanitarnoe obespećenie boevykh dejstvij vojsk v sovremennoj vojne. Voen. san. delo, 1940, No. 10, 1–7.—**Spassky, V., & Morev, V.** Otoplenie. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 215–20.—**Spassky, V., Vavilin, P.** [et al.] Sanitarno-higienićeskie issledovanija. Ibid., 1365–82.—**Troicky, D., & Korostelev, V.** Sanitarno-kontrolnyj punkt. Ibid., 1389–91.—**Zelenev, N.** Voenno-sanitarnoe delo. In: Bolsh. med. encikl., 1928, 5: 409–52. ——— Voenno-sanitarnoe delo; istorija. Ibid., 409–16. ——— Istorija voenno-sanitarnogo dela v Rossii. Ibid., 419–44, 5 ch. ——— Skhema organizacii voenno-sanitarnoj służby RKKA po mironomu vremeni (chart) Ibid., 421.—**Zoĭov, B. A.** Rabota sanitarnoj sluzby v svjazi s novym kompleksom GTO. Voen. san. delo, 1940, No. 5, 93.

—— by countries: Spain.

Barreiro, M. Contribución al mejor servicio de higiene en las agrupaciones de sanidad militar. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 775–9.—**Gandullo Solsona, L.** Servicios divisionarios de sanidad; sanidad de vanguardia. Ibid., 1939, 3: 104–14, illust.—**Gómez Arroyo, F.** Lo que orgánicamente debe ser la Sanidad militar. Ibid., 1943–44, 2. época, 6: 585; 657.—**Sanidad** militar. Botica, Barcel., 1852–53, 1: 166.—**Van-Baumberghen, A.** La Sanidad militar. In: Estud. cien. esp. siglo XVII (As. nac. histor.) Madr., 1935, 577–95.

—— by countries: Switzerland.

Eder-Schwyzer, R., & Eder-Schwyzer, J. Vorschläge für Proviant und Sanitätsmaterial bei einer eventuellen Evakuierung. Schweiz. Apoth. Ztg, 1940, 78: 293–6.—**Hauser, O.** Militärsanität. Ibid., 1920, 58: 258.—**Lehmann, H.** Das Hygiene-Detachement im schweizerischen Sanitätsdienst. Ibid., 1940, 78: 97–101.—**Wüst, A.** Das Hygiene-Detachement im Aktivdienst 1939–1945. Militärsanität, Zür., 1946, 28: 27; 37.

—— by countries: United States.

Gills, W. A. The crew or the cruiser? 261p. 8° Richmond, 1933.

Clarkson, L. M. Sanitation in the national defense program. J. M. Ass. Georgia, 1941, 30: 485.—**Control** of insects; Tinian. In: Prev. Med. in World War II, Wash., 1948, 5: 20.—**Geyer, J. C.** Sanitation in the United States Navy. Mil. Surgeon, 1945, 96: 344–8.—**Harris, R. R.** Sanitation in cantonment and war industry areas in Kentucky. Bull. Dep. Health Kentucky, 1942–43, 15: 24–7.—**Laird, A.** Some domestic problems in military sanitation. Mil. Surgeon, 1944, 94: 20–6.—**Preventive** medicine and sanitation. In: Manual M. Dep. U. S. Navy, Wash., 1942, 287–332.

—— in wartime.

See also **War hygiene.**

Di Aichelburg, U. Problemi sanitari di guerra. 244p. 21cm. Milano, 1943.

Forms v 44, Avventure del pensiero.

Tanski, J. [Sanitation in view of the war] 31p. 8° S. Peterb., 1904.

United States. Office of Civilian Defense. Medical Division. Sanitary Engineering Bulletin No. 2: Municipal sanitation under war conditions. 26p. 27cm. Wash., 1942.

Cox, W. C. Extra-military sanitation and liaison activities; U. S. P. H. S. In: Prev. Med. in World War II, Wash., 1948, 11: pt 3, 1–3.—**Darcey, H. J.** Sanitation in war time. J. Oklahoma M. Ass., 1943, 36: 423–5.—**F., A.** Problemi sanitari della Germania in tempo di guerra. Ann. igiene, 1941, 51: 720.—**Fleming, A. G.** The public health engineer in the emergency. Am. J. Pub. Health, 1942, 32: 33–8.—**G., J.** L'état sanitaire des populations civiles dans quelques pays européens éprouvés par le guerre. Sem. hôp., Par., 1949, 25: 267.—**Gran, M., Alekseev, M., & Amenitsky, D.** Vojna. In: Bolsh. med. encikl., 1928, 5: 523–41.—**Herrera, J. L.** Notas de sanidad de guerra. Bol. Col. méd. Habana, 1942, 5: No. 2, 5; 24.—**Hope, E. W.** Civil sanitation and the war. Liverpool Med. Chir. J., 1916, 36: 1–12.—**Kost, N. A.** [Cleansing of populated localities in wartime] Sovet. med., 1943, 7: No. 2, 31.—**Krawczyk, E.** [Cooperation in sanitary service during war] Lek. wojsk., 1937, 30: 430–41.—**Nikitin, A. V.** [Cleansing of cities during conditions of war] Vodosnab. san. tekhn., 1942, 17: No. 3, 3–7.—**Piguta, D. V.** [Sanitation of populated localities under wartime conditions] Hig. & san., Moskva, 1943, 8: No. 7, 12–9.—**Poole, B. A.** Problems in environmental sanitation as a result of the war. Month. Bull. Bd. Health Indiana, 1942, 45: 145.—**Schickele, A.** Les villes sanitaires dans la guerre moderne. Bull. internat. Serv. santé, Liége, 1946, 19: 351–61.—**Shephard, W. F.** Wartime sanitary problems of a State health department. Sewage Works J., 1943, 15: 190–6.—**War** problems engage sanitary engineers. Sewage Works Engin., 1942, 13: 148–51.

SANTA Cruz Islands.

See **World War II.**

SANTO Tomás.

See **Internee.**

SARCOID.

See **Tumor.**

SARCOIDOSIS.

See **Reticuloendothelial system,** Disease.

SARCOMA.

See also **Tumor.**

Goldin, A., Goldberg, B. [et al.] The effectiveness of nitrogen mustards in retarding the growth of Sarcoma 180 with reference to route of administration, age of tumors, food intake and weight loss of the mice. 29p. 27cm. Army Chem. Center, 1949.

Forms Rep. No. 212, Med. Div. Chem. Corps U. S. Army.

——— Reversal of aminopterin induced inhibition of sarcoma 180 by folic acid. 17p. 26½cm. Army Chem. Center, 1949.

Forms Rep. No. 214, Med. Div. Chem. Corps U. S. Army.

Helmreich, W. Sarkom und Kriegsverletzung. Deut. med. Wschr., 1948, 73: 91–4.—**Holleb, A. I.** Sarcoma of the soft tissues; discussion and report of eight cases. U. S. Nav. M. Bull., 1947, 47: 1005–13.—**Kondō, Y., & Manabe, K.** Embryonales Adenosarcom taisei-sei sennai-syu no iti rei [A case of embryonal adenosarcoma] Kaigun gun-ikai zassi, 1941, 30: 166–9, pl.—**Melzner, E.** Ueber Sarkomentstehung nach Kriegsverletzung. Arch. klin. Chir., 1927, 147: 153–61.

SARCOSPORIDIOSIS.

Vanni, V. Ricerche sulla sarcosporidiosi. Ann. med. nav., Roma, 1935, 41: pt 1, 145–81, 5 pl.

SARDINE.

See also Fish.

Gamo, E., & Comenge, M. La ración de previsión del soldado; análisis de las conservas de sardinas. Bol. farm. mil., Madr., 1935, 13: 257; 298.

SATURATION.

See with **Solution.**

SATURATION with oxygen.

See **Oxygen saturation.**

SAUNA.

See also **Cold exposure,** Protection and prevention; **Physical training; Therapeutics,** Balneotherapy.

Henggeler, K. Bau einer Feldsauna. Vjschr. schweiz. Sanitätsoff., 1944, 21: 149–52. Also Militärsanität, Zür., 1947, 29: 37.—**Piderman, G.** Die finnische Sauna. Vjschr. schweiz. Sanitätsoff., 1944, 21: 142–9.—**Sauna,** Finnish steam bath. Spec. Ser. U. S. Mil. Intell. Serv., 1943, No. 18. 146–8.

SAUSAGE.

See also **Meat inspection.**

United States. War Department. Army regulations No. 40–2205; Medical Department: Veterinary products inspections, sausages, etc. 3p. 8°. Wash., 1922. Also another edition. 1p. 8°. Wash., 1926.

Karaffa-Korbutt, K. V. Khimićeskoe izsledovanie nekotorykh sortov kolbas Peterburgskago rynka. Voen. med. J., S. Peterb., 1913, **237**: Med. spec. pt, 446–9.—**Martin.** Eine Wurstfabrik der Wehrmacht im Nordabschnitt der Ostfront. Zschr. Veterinärk., 1943, **55**: 300–5.—**Posudzevsky, N. Z.** K voprosu o proniknovenii nekotorykh mikroorganizmov izvne v kolbasnye produkty. Voen. med. J., S. Peterb., 1913, **237**: Med. spec. pt, 439–45.—**Rasenack & Meyer.** Ueber Herstellung von Rohwurst aus reinem Rinderfrisch- und Gefrierfleisch in klimatisch ungünstigen Gegenden bei Schlächterei-Einheiten im Felde. Zschr. Fleisch Milchhyg., 1943–44, **54**: 101–8.—**Schönberg, F.** Die Normierung von Würsten und Wurstkonserven; ihre Möglichkeiten und ihre Grenzen. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 271–9. ——— Zur richtigen Bezeichnung der Wurstsorten im Kriege. Zschr. Fleisch Milchhyg., 1943–44, **54**: 96.

SAVU Island.

See under **World War II.**

SAWDUST.

See **Dressing.**

SCABIES.

Friedman, R. Scabies civil and military; its prevalence, prevention and treatment. 288p. 24cm. N. Y., 1941.

——— The story of scabies. v.**1**: The prevalence, civil and military, prevention and treatment of scabies, and the biology of Acarus scabiei, from the earliest times to the beginning of World War II. 468p. 23½cm. N. Y., 1947.

Barber, H. W. Scabies. In: Med. Dis. War (Hurst, A. F.) 3. ed., Lond., 1943, 436–48.—**Bolam, M.** Scabies in peace and war. Newcastle M. J., 1940, **20**: 1–5, pl.—**Coleman, P. N.** Scabies in an Army unit. Brit. M. J., 1942, **2**: 40.—**Covisa, J. S.** Las dermatosis de guerra; la sarna. Rev. san. guerra, Barcel., 1937, **1**: 267–74.—**Lydon, F. L.** Scabies. J. R. Army M. Corps, 1941, **76**: 23–9.—**Paes de Oliveira, P.** Escabiose e o meio militar. Rev. brasil. med., 1947, **4**: 155. Also Rev. med. mil., Rio, 1947, **36**: 206.—**S., J. M.** The common skin diseases; scabies. Bumed News Lett., Wash., 1944, **4**: No. 6, 17–9.—**Scabies.** Med. J. Australia, 1943, **2**: Suppl., 78–80.—**Scabies** in the Army. Lancet, Lond., 1942, **1**: 518.—**Vedia, E. B. de.** La sarna en el Ejercito. Rev. san. mil., B. Air., 1937, **36**: 439–61.

—— Clinical aspect.

Goldman, L. Complications of scabies. War Med., Chic., 1944, **5**: 294–8.—**Libmann, W. M.** Complications of scabies. Mil. Surgeon, 1946, **99**: 116–26.

—— Control and prevention.

Buchanan, R. N., jr. Some notes on the prevention and treatment of scabies. Med. Bull. Medit. Theater U. S., 1945, **3**: 209–12.—**Burcev, V. I.** [Control of scabies in the active Army] Vest. Obšč. vet., 1916, **28**: 448–50.—**Control** and treatment of scabies. Circ. Letter Surgeon Mediterr. Theater U. S. Army, 1946, No. 2, 1–6.—**Dixon, C. W.** Scabies, a golden opportunity. Pub. Health, Lond., 1941–42, **55**: 10–4.—**Gordon, J. E.** Scabies. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 3, Sect. 6, 53.—**Paul, H.** The scabies order, 1941. Med. Off., Lond., 1942, **67**: 95.

—— Diagnosis.

Carpenter, C. C. A rapid technique for the diagnosis of scabies. U. S. Nav. M. Bull., 1948, **48**: 566–8.—**Hand, E. A.** Diagnosis of infestation with Sarcoptes scabiei var. hominis. Ibid., 1946, **46**: 834–44.—**Lunn, H. F.** The recognition of scabies by the Army medical officer. J. R. Army M. Corps, 1942, **79**: 203–6.—**Proppe, A.** Zur truppenärztlichen Diagnostik und Therapie der Skabies. Münch. med. Wschr., 1944, **91**: 352–5.—**Rabe, E. F.** Diagnosis and control of scabies. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 4, 55–8.

—— Incidence.

Eddy, G. W. A report on scabies in the Mediterranean Theater of Operations with results obtained with some new formulas. 16p. 28cm. Wash., 1945.

Forms No. 143, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Arakawa, T., Isii, Y. [et al.] Kurume I-Dai hi-hituka 19-nenkan no tōkei kara mitaru sensō to kaisen [The relation between war and scabies as seen from the statistics of the dermatological and urological clinics of the Kurume Medical College] Rinsyō & kenkyu, 1946, **23**: 618–20.—**Computation** of the seasonal cycle in the scabies incidence rate. Health U. S. Army, 1947, **2**: No. 7, 56.—**Hodgson, G. A.** The incidence of scabies and its apparent dependence upon subnormal intelligence. Brit. M. J., 1941, **1**: 316.—**Scabies.** In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 264.—**Smyth, J.** Jats and scabies. Ind. M. Gaz., 1915, **50**: 234.

—— Treatment.

Aliavdin, A. A. [Popular remedy for scabies] Voen. san. delo, 1943, No. 10, 54.—**Barre.** Fonctionnement du dispensaire dermato-vénéréologique des navires-hôpitaux de Marseille; traitement de la gâle par le benzoate de benzyle. Marseille méd., 1939, **76**: pt 2, 336–9.—**Bassi, G.** Per la cura rapida della scabbia nell'ambiente militare, a proposito del nuovo metodo di Ehlers. Ann. med. nav., Roma, 1915, **1**: 345–52.—**Belbin, E. D.** Treatment of scabies with benzyl benzoate. J. R. Army M. Corps, 1942, **79**: 207.—**Bifano, A.** Il trattamento della scabbia nell'esercito. Gior. med. mil. 1928, **76**: 512–7.—**Birnbaum.** A rapid form of treatment for scabies. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 176.—**Chiapponi & Solves.** Du traitement de la gale par la solution de Vleminckx améliorée. Bull. Soc. méd. mil. fr., 1945, **39**: 308.—**Conde y López, M.** Contribución al tratamiento de la sarna en el Ejército. Congr. internac. med. farm. mil., 1933, **2**: tema 4, 288–300, pl. Also Med. ibera, 1933, **27**: pt 2, 341–6.—**Demianovich, M. P.** [Fourth modification of the Demianovich method of treatment of scabies] Voen. san. delo, 1942, No. 9, 28–31. ——— Pjataja modifikacija metoda Prof. Demianovicha. Voen. med. J., Moskva, 1945, April, 32–4.—**De Simone, S., & Zanettini, E.** Su un nuovo metodo di cura della scabbia. Gior. med. mil., 1943, **91**: 213–6.—**Flodén, C. H.** Examination of results of single-application treatment of itch obtained at Out-patient Department of Dermatology and Venerology, Military Hospital. Acta derm. vener., Helsin., 1946–47, **27**: 76–8.—**French, H. C.** Report on balsam of Peru as contrasted with unguentum sulphuris and other methods in the treatment of scabies in the Army. J. R. Army M. Corps, 1909, **13**: 682–6.—**Henriques, C. V. A.** An experiment in the treatment of scabies with Derris root powder. Ibid., 1943, **81**: 186–8.—**Hopkins, J. G.** Treatment of scabies by means of benzyl benzoate. Bumed News Lett., Wash., 1943, **2**: No. 2, 17.—**Jame, L., & Mauvais.** Le traitement de la gâle par le benzoate de benzyle. Bull. Soc. méd. mil. fr., 1936, **30**: 40–2.—**Kaufman, J. B.** Scabies treated with the Danish treatment; report of 60 cases. U. S. Nav. M. Bull., 1928, **26**: 639–43.—**Křeček, J.** Otázka účinnosti desinfekce šatstva při léčeni svrabu. Voj. zdrav. listy, 1949, **18**: 202–4.—**Livingood, C. S.** Benzyl benzoate in the treatment of scabies. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 122.—**Loza, J. C., & Despouy, J. G.** Tratamiento rápido de la sarna. Rev. san. mil., B. Air., 1942, **41**: 189.—**Lunn, H. F.** The regimental treatment of scabies. J. R. Army M. Corps, 1943, **81**: 247–9.—**Maire, G.** Le traitement de la gâle par la créoline. Bull. soc. méd. mil. fr., 1932, **26**: 56–8.—**Memduh.** Uyuz hakkında tedabir, korunma şeraiti ile zabıtai sıhhiyesi [Maladies parasitaires; gâle] Askerî tibbi baytari mecmuası, 1929, **7**: 221–46.—**Nolan, R. A.** A new method of treating scabies. Mil. Surgeon, 1938, **82**: 52–5.—**Pfister, E.** Ueber verschiedene Anwendungsformen des Schwefels bei der Krätzebehandlung mit besonderer Berücksichtigung des Natriumthiosulfates. Deut. Militärarzt, 1939, **4**: 371.—**Ratcliffe, C.** Treatment of scabies with benzyl benzoate. J. R. Nav. M. Serv., 1937, **23**: 341.—**Rubin, S. S., & Blank, H.** The effective 3-hour treatment of the scabietic patient. Mil. Surgeon, 1945, **96**: 271–3.—**Scabies** treatment. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 132.—**Simons, R. D. G. P.** Scabiesbehandeling van krijgsgevangenen in Indië. Ned. tschr. geneesk., 1946, **90**: 1307.—**Success** or failure in scabies treatment? Bull. Army M. Dep., Lond., 1945, No. 46, 6.—**Thomas, G. E.** Treatment of scabies. U. S. Nav. M. Bull., 1939, **37**: 137.—**Treatment** of scabies. Ibid., 1936, **34**: 558–61.—**Treatment** of scabies. Circ. Lett. Surgeon Mediterr. Theater U. S. Army, 1945, No. 12, 1–3. Also Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 56.—**Treatment** (The) of scabies with sulfur powder. U. S. Nav. M. Bull., 1942, **40**: 195.—**Vedrov, N. S., & Nolle, J. H.** [Treatment of scabies with polysulphides] Voen. san. delo, 1943, No. 8, 41–5.

SCALENUS syndrome.

Barnes, H. A. Scalenus anticus syndrome, with reference to injuries of the thoracic duct; report of a case. U. S. Nav. M. Bull., 1945, **44**: 773–6.—**Brown, M. H.** Secondary scalenus anticus syndrome. Ibid., 1944, **42**: 1164.—**Cárdenas, M. de.** Síndrome traumático de escaleno anterior. Rev. españ. med. cir. guerra, 1939, **3**: 165–72.—**Scholz, W.** Zur Frage des sogenannten Scalenus-anticus-Syndroms. Deut. Militärarzt, 1941, **6**: 46–8.

SCALP.

See also **Head injury; Mycosis; Tinea.**

Frenkel, R. A. Redkij slučaj nasledstvennoj anomalii kožі golovy. Voen. med. J., S. Peterb., 1913, **236:** Med. spec. pt, 190.—**Gillingham, F. J.** Wounds of the scalp. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 26–8.—**Morton, H. M.** A scalp wound and its sequelae. J. R. Army M. Corps, 1936, **66:** 267–71.—**Stevenson, W. F.** Gunshot scalp wounds and contusions; 18 cases. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 14–6.—**Watt, A. C.** A case of vascular headache after missile wound of the scalp. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 265.—**Zienkiewicz, W.** [Scalp wounds during war] Lek. wojsk., 1934, **24:** 309–20.

SCANDINAVIA.

See under **Hospital report; Medical officer.**

SCAPHOID.

See **Fracture**—by site: Carpus.

SCAPULA.

See also **Fracture**—by site: Scapula.

Besfamilnaia, Z. Lopatka (scapula) In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 578–88.—**Billiotet, J. C.** Sur un cas de scapulalgie traité par le venin de cobra. Rev. méd. nav., Par., 1947, **2:** 65–7.—**Graham, W. T.** Bilateral displacement of the scapulae. J. R. Army M. Corps, 1926, **46:** 305–8.—**Hauser, C. U., & Martin, W. F.** Two additional cases of traumatic winged scapula occurring in the Armed Forces. J. Am. M. Ass., 1943, **121:** 667.—**Ilfeld, F. W., & Holder, H. G.** Winged scapula; case occurring in soldier from knapsack. Ibid., 1942, **120:** 448.—**Vahdi.** Ortasından basit ve tam olarak kırılan kitif kemigi [Fracture simple et complete, siégeante à la partie moyenne de l'omoplate] Askerî tibbi baytari mecmuası, 1929, **7:** 260–2.

SCAR.

See **Injury,** Sequelae.

SCARLET fever.

Novogrodsky, M. [Scarlatina] Voj. san. glasnik, 1937, **8:** 559–606.—**Scholz, W.** Scharlach, Masern, Röteln, Mumps (ansteckende Ohrspeicheldrüsenentzündung) In: Wehrhygiene (Handloser, S.) Berl., 1944, 83–93.—**Tkachev, P.** Skarlatina. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 133–7.

—— Etiology.

Bertrand, J., & Lecoq, R. La scarlatine est-elle une maladie autonome? Gaz. hôp., 1934, **107:** 1169.—**Bormann.** Scarlet fever and hemolytic streptococci. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 124–7.—**Murakami, S.** Syōkōnetu no ryūkō-zi ni bunri-seru yōketu-sei rensazyō-kyūkin no kenkyū [Study of the hemolytic streptococcus isolated during the scarlet fever epidemic] Kaigun gunikai zassi, 1936, **25:** 568–601.—**Streptococcosis,** streptococcal fever and scarlet fever. Connecticut M. J., 1942, **6:** 118.

—— Immunization and prevention.

Albescu, V. Incercări de vaccinare antiscarlatinoasă in armată. Rev. san. mil., Bucur., 1936, **35:** 614–20.—**Carmel, P. D.** Sulfadiazine prophylaxis against scarlet fever. U. S. Nav. M. Bull., 1944, **42:** 1274.—**De Feo, H. F.** Scarlet fever; its management and prevention in the CCC. Mil. Surgeon, 1936, **78:** 187–93.—**Drobinsky, I.** Skarlatina v armijakh i borba s neju. Voen. san. delo, 1940, No. 4, 41–6.—**Eddy, B., & Mitchell, A. G.** Studies in immunity; the effect of diseases other than scarlet fever on the Dick test. Am. J. Dis. Child., 1930, **40:** 988–92.—**Loza, J. C.** Vacunación antiescarlatinosa; anatoxina. Rev. san. mil., B. Air., 1939, **38:** 947; 1940, **39:** 911; 1942, **41:** 443. ——— Prevención de la escarlatina. Rev. san. mil. argent., 1948, **47:** 119–25.—**Maceira, J.** Profilaxis antiescarlatinosa; estudio estadístico. Rev. pub. nav., B. Air., 1948, **1:** 558–77.—**Mann, U.** Ueber eine Scharlachepidemie im Kasernenbereich des Halbregiment Rostock und ihre Bekämpfung, insbesondere über die Verwendung von Scharlachschutzimpfstoff Behring. Münch. med. Wschr., 1936, **83:** 182–4.—**Panea, A., & Mitran, I.** Procedeu nou in profilaxia scarlatinei. Rev. san. mil., Bucur., 1937, **36:** 219–21.—**R., T. M.** Report on the use of sulfadiazine in controlling an outbreak of scarlet fever at a U. S. Naval activity. Bumed News Lett., Wash., 1943, **1:** No. 8, 17.—**Sanmartino, R. O.** Vacunación antiescarlatinosa por la anatoxina. Rev. san. mil., B. Air., 1942, **41:** 817.—**Wickström, J.** [Results from extensive Dick and immunization examinations in the Army for prevention of scarlet fever] Fin. läk. säll. hand., 1936, **79:** 1029–50. ——— Dick-investigations and immunization attempts against scarlet fever in the Army of Finland. Acta paediat., Upps., 1937, **21:** 465–72.

—— Incidence.

Bauer, F. K., & Watkins, J. H. Scarlet fever. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 43. ——— The bombing experience and case incidence of scarlet fever in nine German cities [ch.] Ibid., 45.—**Belloni, L.** Gli insegnamenti di una epidemia di scarlattina. Gior. med. mil., 1941, **89:** 443–54.—**Ferrabouc, Placidi** [et al.] Remarques sur l'évolution anormale d'une épidémie de scarlatine. Bull. Soc. méd. mil. fr., 1936, **30:** 87–91.—**Gladky, B.** Slučáj zabolevanija skarlatinoj na posylnom sudne Asia. Med. pribav. morsk. sborn., 1911, 192.—**Goodrich, B. E., & Hoopes, B. F.** Clinical study of an outbreak of scarlet fever. U. S. Nav. M. Bull., 1943, **41:** 273–8.—**Grand, M. J. H., & Purvis, J. D.,** jr. Positive Dick-test reactors; relation of incidence to habitat. Ibid., 1945, **44:** 734–9.—**Hara, H., & Komiyama, S.** Kutikukan Hubuki ni tahatu-seru syōkōnetu no ryūkō zyōkyō narabi-ni rinsyō-teki kansatu. [Epidemic conditions and clinical observations on the scarlet fever that spread in the torpedo destroyer Hubuki] Kaigun gun-ikai zassi, 1937, **26:** 204–14.—**Herzog.** Ocherk epidemii skarlatiny v porte Imperatora Alexandra III v 1908–09, g. g. Med. pribav. morsk. sborn., 1910, pt 2, 378–90.—**Kaplan, E. M., & Chumaevskaja, O. A.** Klinika skarlatiny v voennye gody. Pediatria, Moskva, 1945, No. 4, 43–9.—**Koniakhina, M. A., Ioffe, R. F.** [et al.] Osobennosti kliniki skarlatiny u detej v poslevoennyj period, 1945–47 gg. Vopr. pediat., 1949, **17:** No. 2, 58.—**Kruidenier, H. B.** [The outbreak of scarlatina aboard the Insulinde] Ned. tschr. geneesk., 1929, **73:** pt 1, 93.—**Loza, J. C.** Estado actual de la escarlatina en el Sur de América. Rev. san. mil. argent., 1949, **48:** 117–9.—**McMillan, J. C.,** jr. Seventy-eight hundred scarlet fever patients. U. S. Nav. M. Bull., 1946, **46:** 89–91.—**Miyake, S., & Yosida, T.** Yokosuka Gunkō ni tahatu-sesi syōkōnetu ni okeru zibiinkō-ka-teki kensaku [Otorhinolaryngological examination of the scarlet fever patients in the epidemic at Yokosuka Naval Base] Kaigun gun-ikai zassi, 1935, **24:** 200–7.—**Ravikovich, E. M., & Mauerman, O. E.** [Some data on epidemiology of diphtheria and scarlet fever in the years of the Patriotic War] J. mikrob., Moskva, 1945, No. 1, 15–20.—**Scarlatine.** Statist. méd. Armée (France) (1894) 1896, 85–93.—**Scarlet** fever. Statist. Navy M., 1948, **4:** No. 3, 3–5.—**Tidow, R.** Klinische Beobachtung einer Scharlachepidemie in einem Fliegerhorst. Deut. Militärarzt, 1941, **6:** 28–35. Also Spanish transl., Rev. san. mil., B. Air., 1942, **41:** 413–27.—**Tyson, R. R.** Outbreak of scarlet fever and sore throats aboard the U. S. S. Oregon City. U. S. Nav. M. Bull., 1948, **48:** 643–8.

—— Pathology.

Accoyer. Scarlatine; adénopathie tardive et réitération de l'exanthème. Bull. Soc. méd. mil. fr., 1938, **32:** 436–40.—**Vasilevsky, A. L.** [Case of phlegmonous gastritis following scarlatina] Voen. med. J., Petrogr., 1915, **243:** Med. spec. pt, 408–14.

—— Treatment.

Candel, S., & Burwell, W. B. Sulfadiazine and penicillin in the treatment of scarlet fever. U. S. Nav. M. Bull., 1946, **46:** 1423–8.—**Fox, J. C., & Fisher, D.** Human convalescent serum in the treatment of scarlet fever. Mil. Surgeon, 1937, **81:** 356–64.—**Loza, J. C.** Tratamiento de la escarlatina por la sulfamidopiridina. Rev. san.mil., B. Air., 1942, **41:** 732–8.—**Therapeutic** trials; scarlet fever. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 5, 37.

SCHAEFER method.

See under **Respiration,** artificial.

SCHICK test.

See under **Diphtheria,** Prevention.

SCHISTOSOMA.

Evans, A. S., Kuntz, R. E., & Stirewalt, M. A. The albino mouse as a laboratory definitive host for Schistosoma mansoni. 11p. 27cm. Bethesda, 1949.

Forms Rep. No. 23, Proj. NM 005 004 (or, X–535) U. S. Nav. M. Res. Inst.

McNaughton, R. A. Studies on the oxygen consumption of Schistosoma mansoni. 10p. 27cm. Bethesda, 1947.

Forms Rep. No. 12, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

—— Metabolic changes of male and female Schistosoma mansoni during growth. 6p. 26½cm Bethesda, 1948.

Forms Rep. No. 16, Res. Proj. NM 005 004 (or, X–535) U. S. Nav. M. Res. Inst.

—— A rapid method for the determination of the effect of drugs on the metabolism of Schisto-

soma mansoni using Warburg technic. 6p. 26½cm. Bethesda, 1948.

Forms Rep. No. 17 of preceding research project.

Metabolic changes of male and female Schistosoma mansoni during growth. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 5.—**Rapid** (A) method for the determination of the effect of drugs on the metabolism of Schistosoma mansoni using Warburg technic. Ibid., 5.

—— Cercariae.

Evans, A. S., & Stirewalt, M. A. Variations in infectivity of cercariae of Schistosoma mansoni. 12p. 27cm. Bethesda, 1949.

Forms Rep. No. 22, Proj. NM 005 004 (or, X–535) U. S. Nav. M. Res. Inst.

United States. Naval Medical Research Institute. Research project X–535. 7 nos. 27cm. Bethesda, 1945–48.

CONTENTS

No. 2. The resistance of selected fabrics to penetration by the cercariae of Schistosoma mansoni. Hill, C. H. 8p.

No. 3. Further tests on the resistance of selected fabrics to penetration by cercariae of Schistosoma mansoni. Kuntz, R. E., & Stirewalt, M. A. [1]p.

No. 5. The influence of inorganic salts and glucose on the oxygen consumption of Schistosoma mansoni cercariae. Pijoan, M., Kozloff, L., & Kuntz, R. E. 9p.

No. 6. Effect of DDT on cercariae of Schistosoma mansoni. Kuntz, R. E., & Stirewalt, M. A. 22p.

No. 7. Effect of light and temperature on shedding of Schistosoma mansoni cercariae. Kuntz, R. E. 16p.

No. 9. Method for testing ointments and fabrics to determine their effectiveness as barriers to schistosome cercariae. Kuntz, R. E., Stirewalt, M. A., & Buchheit, J. R. 8p.

No. 14. On the demonstration of hyaluronidase in cercariae of Schistosoma mansoni. Levine, M. D., Garzoli, F. R. [et al.] 7p.

Ceyer, J. C. The survival of schistosoma cercariae in sea water and in chlorinated water. Bumed News Lett., Wash., 1945, **5**: No. 12, 6–8.—**Demonstration** (On the) of hyaluronidase in cercariae of Schistosoma mansoni. Summaries Res. U. S. Nav. M. Res. Inst., Jan.–June, 1948, 4.—**Effect** of DDT on cercariae of Schistosoma mansoni. Ibid., 1946, Jan.–June, 23.—**Effect** of light and temperature on shedding of Schistosoma mansoni cercariae. Ibid., 23.—**Influence** (The) of inorganic salts and glucose on the oxygen consumption of Schistosoma mansoni cercariae. Ibid., 1945, July–Dec., 33.—**Resistance** (The) of selected fabrics to penetration by the cercariae of Schistosoma mansoni. Ibid., Jan.–June, 33.

—— Control.

Jachowski, L. A., jr, Stirewalt, M. A., & Kuntz, R. E. Laboratory tests to determine the toxicity of some organic chemicals to the snail Australorbis glabratus (Say) 5p. 27cm. Bethesda, 1947.

Forms Rep. No. 13, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

Wilson, C. S., Kuntz, R. E., & Green, R. W. Suggestions for combined control of schistosomes and mosquitoes with materials available in the field. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 4, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

Blackmore, H. S. Preliminary note on the sterilization of bilharzia-infected water. J. R. Army M. Corps, 1928, **51**: 262–4.—**Cawston, F. G.** Mechanical safeguard against bilharzia; destroying the parasites. Ibid., 1946, **87**: 177–9.—**Control** (The) of the snail vectors of bilharzia by benzene hexachloride. Armed Serv. Res. Rep. Insect & Rodent, 1948, 81–5.—**Evans, A. S., & Stirewalt, M. A.** Bionomics and control of human schistosomes. Ibid., 1949, No. 6, 58.

SCHISTOSOMIASIS.

United States. Department of the Army. Technical bulletin TB MED 167: Schistosomiasis japonica. 10p. 26cm. Wash., 1945. Also Change 1. 3p. 26cm. Wash., 1948.

United States. Naval Medical School. Department of Tropical Medicine. Asiatic schistosomiasis. 16p. 27cm. Wash., 1945.

Navmed 642.

Abbott, R. T. Mollusks and medicine in World War II. Annual Rep. Smithson. Inst. (1947) 1948, 325–38, 3 pl.—**Bassett-Smith, P.** Bilharziosis. J. R. Nav. M. Serv., 1924, **10**: 40–2.—**Cox, W. C.** Schistosomiasis. In: Prev. Med. in World War II, Wash., 1948, **11**: 74.—**Farner, D. S., & Butler, F. A.** Schistosomiasis. Bumed News Lett., Wash., 1945, **5**: No. 2, 10–9.—**Kikuth, W., Mauss & Schmidt.** Schistosomiasis. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 68–92.—**Maciel, H.** Esquitosomose e cosmologia. Arq. brasil. med. nav., 1941, **2**: 307–17.—**Peruzzi, M.** Nuovi dati e nuovi problemi nel campo delle schistosomiasi. Ann. med. nav., Roma, 1931, **37**: pt 2, 444–51.—**Schistosomiasis** japonica. Air Surgeon Bull., 1945, **2**: 379. Also Bull. U. S. Army M. Dep., 1945, **4**: 273–6. Also U. S. Nav. M. Bull., 1945, **45**: 565.—**Scott, J. A.** La esquistosomiasis o bilharziosis desde el punto de vista biológico. Bol. Min. san., Caracas, 1938, **2**: 1507–19.

—— Clinical aspect.

Brusset & Burollet, P. A. Quelques réflexions au sujet d'un cas de bilharziose. Arch. méd. pharm. mil., 1923, **78**: 287–9.—**Frank, J. D.** Emotional reactions of American soldiers to an unfamiliar disease. J. Mil. M. Pacific, 1945, **1**: No. 4, 36–45.—**Graham-Yooll, M. A.** Notes on Schistosomiasis japonica. J. R. Nav. M. Serv., 1934, **20**: 63–8.—**Johnson, A. S.**, jr, & **Berry, M. G.** Asiatic schistosomiasis; clinical features, sigmoidoscopic picture and treatment of early infections. War Med., Chic., 1945, **8**: 156–62.—**Love, R. J. M.** Schistosomiasis. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 879–82.—**McEachern, G. C., & Wine, M. B.** Oriental schistosomiasis; a clinical report. Air Surgeon Bull., 1945, **2**: 381.—**Pliskin, R. R.** A clinical review of schistosomiasis with presentation of an interesting case. Mil. Surgeon, 1944, **94**: 351–8.—**Thomas, H. M.**, jr, & **Gage, D. P.** Symptomatology of early schistosomiasis japonica. Bull. U. S. Army M. Dep., 1945, **4**: 197–202.

—— Control.

See also **Schistosoma,** Control.

Amberson, J. M. Schistosomiasis and its control in Egypt. U. S. Nav. M. Bull., 1946, **46**: 977–1010.—**Bang, F. B., Graham, O. H., & Hairston, N. G.** Prevention of schistosome infection by the application of dibutylphthalate, benzyl benzoate and dimethylphthalate. J. Mil. M. Pacific, 1945, **1**: No. 3, 87–9.—**Braune, J. F.** Ueber die Verhütung der Bilharziose unter Feldzugsbedingungen, insbesondere über die Gewinnung von zerkarienfreien Wasch- und Badewasser. Bull. Inst. Pasteur, Par., 1943, **41**: 169 (Abstr.) Also Trop. Dis. Bull., Lond., 1943, **40**: 252 (Abstr.)

—— Diagnosis.

Mathieson, D. R., & Stoll, A. M. Comparison of methods for detecting eggs of Schistosoma japonicum in feces. 6p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

Comparison of methods for detecting eggs of Schistosoma japonicum in feces. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 32.—**Fairley, N. H.** The discovery of a specific complement fixation test for bilharziasis and its practical application to clinical medicine. J. R. Army M. Corps, 1919, **32**: 449–60.—**Harper, J.** Japanese schistosomiasis; report of a case in which the diagnosis was made following an appendectomy. U. S. Nav. M. Bull., 1929, **27**: 661–8, pl.—**Hunter, G. W., III, Hodges, E. P.** [et al.] Studies on schistosomiasis; summary of further studies on methods of recovering eggs of S. japonicum from stools. Bull. U. S. Army M. Dep., 1948, **8**: 128–31.—**Impallomeni, R.** Dell'indagine radiologica nella bilharziosi uro-vesicale. Gior. med. mil., 1936, **84**:849–67.—**Katzin, B., & Most, H.** Cercarcial antigen (S. mansoni) skin test in diagnosis and management of schistosomiasis japonica. Bull. U. S. Army M. Dep., 1946, **6**: 613–6.—**Laboratory** diagnosis of infection with Schistosoma japonicum. Ibid., 1945, No. 89, 73–5.—**McCorkle, J. K.** Modification of Faust-Meleney technic; feces examination for Schistosoma japonicum. U. S. Nav. M. Bull., 1945, **45**: 420–2.—**Mason, P. K., Daniels, W. B.** [et al.] Schistosomiasis japonica; diagnosis and treatment in American soldiers. N. England J. M., 1946, **235**: 179–82.—**Mathieson, D. R.** The laboratory diagnosis of oriental schistosomiasis. Bumed News Lett., Wash., 1945, **5**: No. 9, 4.—**Modification** of acid-ether method of fecal examination for intestinal schistosomiasis. Bull. U. S. Army M. Dep., 1945, **4**: 41.—**Nelson, E. C., & Bayliss, M.** Schistosomiasis japonica; laboratory diagnosis. Ibid., 1946, **5**: 673–80.—**Vermooten, V.** The diagnosis of schistosomiasis. Ibid., 1945, No. 87, 104–9.

—— Incidence.

Eisman, L. P. Preliminary survey of schistosomiasis on Vieques Island, Puerto Rico. 13 l. 28cm. Camp Lejeune, 1949.

Forms Sub-Proj. 9–48, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

Atkinson, E. L. An expedition to the Far East to investigate the spread of trematode diseases, with special reference to Schistosoma japonicum, and with a note on some protozoa as causes of dysentery. J. R. Nav. M. Serv., 1916, **2**: 485–90.—**Bang, F. B., Graham, O. H., & Hairston, N. G.** Methods used in surveying for schistosomiasis. J. Mil. M. Pacific, 1945, **1**: No.

3, 93–7.—**Blancardi, C. F. E. A.** A propos d'un nouveau foyer de bilharziose vésicale marocaine. Rev. Serv. san. mil., Par., 1936, **105**: 547–59.—**Cawston, F. G.** The problem of bilharziasis in South Africa. J. R. Army M. Corps, 1920, **34**: 439–41.—**Dakin, W. P. H., & Connellan, J. D.** Asiatic schistosomiasis; an outbreak in the Royal Australian Air Force. Med. J. Australia, 1947, **1**: 257–65.—**Egan, C. H.** An outbreak of schistosomiasis (japonicum) J. R. Nav. M. Serv., 1936, **22**: 6–18.—**Fairley, N. H.** Bilharzia in Australian Troops. Health, Melb., 1928, **6**: 75–7. ——— Observations on the clinical appearances of bilharziasis in Australian troops, and the significance of the symptoms noted. Quart. J. M., Oxf., 1918–19, **12**: 391–403.—**Fosbery, F. W. A.** Schistosomiasis in China. J. R. Nav. M. Serv., 1934, **20**: 68–70.—**Hall, A. H.** Observations on bilharziosis in Iraq. J. R. Army M. Corps, 1925, **44**: 1; 92.—**Harsant, A. G.** Bilharziasis amongst British troops in Mesopotamia; notes on the treatment of thirty-one cases by intravenous injections of tartar emetic. Ibid., 1921, **36**: 376–81.—**Hunt, A. R.** Schistosomiasis in naval personnel. U. S. Nav. M. Bull., 1945, **45**: 407–19.—**Impallomeni, R.** Di 22 casi di bilharziasi uro-vesicale osservati in Libia. Gior. med. mil., 1937, **85**: 259–72.—**Leiper, R. T.** Report of the results of the Bilharzia Mission in Egypt, 1915. J. R. Army M. Corps, 1916, **27**: 171; 1918, **30**: 235.—**Lovett-Campbell, A. C.** A note on bilharziasis in West African troops. Tr. R. Soc. Trop. M. Hyg., Lond., 1947–48, **41**: 821.—**Magath, T. B., & Mathieson, D. R.** Infection of wild rats on Leyte with Schistosoma japonicum. U. S. Nav. M. Bull., 1945, **45**: 1195–202.—**Malard.** La bilharziose vésicale et intestinale chez les tirailleurs sénégalais; stérilisation rapide par l'anthiomaline. Bull. Soc. méd. mil. fr., 1938, **32**: 368–74.—**Meidinger, F. E.** La bilharziose dans la région de Bou-Denib. Arch. méd. pharm. mil., 1931, **94**: 427–62, map.—**Parr, T.** Notes on schistosomiasis in the Sudan. J. R. Army M. Corps, 1930, **54**: 261–73.—**Patané, C.** La bilharziosi in Cirenaica; due nuove osservazioni; interesse di una locale inchiesta malacologica conforme alle esigenze delle moderne acquisizioni su l'etiologia delle schistosomiasi umane. Ann. med. nav., Roma, 1924, **2**: 1–19, 2 pl.—**Rizutti, G.** Sulla schistosomiasi in Libia. Gior. med. mil., 1930, **78**: 78–80.—**Smith, S.** Clinical notes on a case of sporadic non-imported bilharzia haematobia contracted in Bolarum Hyderabad (Deccan) J. R. Army M. Corps, 1922, **38**: 300–2.—**Sullivan, R. R., & Ferguson, M. S.** Epidemiological study of schistosomiasis japonica. Bull. U. S. Army M. Dep., 1945, **4**: 491. Also J. Mil. M. Pacific, 1945, **1**: No. 2, 57.—**Torres Bandeira, J. A., & Cortes Pires, A.** O primeiro (?) caso de doença de katayama no Brasil. Rev. mil. med. vet., Rio, 1939, **2**: 1415.

—— Pathology.

Stirewalt, M. A., Evans, A. S., & Kuntz, R. E. The susceptibility of albino rats to Schistosoma mansoni. 11p. 26½cm. Bethesda, 1948.

Forms Rep. No. 20, Res. Proj. NM 005 004 (or, X–535) U. S. Nav. M. Res. Inst.

—— The susceptibility of golden hamsters to Schistosoma mansoni. 11p. 27cm. Bethesda, 1949.

Forms Rep. No. 21 of preceding project.

Blancardi, C. Influence de la fatigue sur certaines hématuries bilharziennes. Bull. Soc. méd. mil. fr., 1935, **29**: 164–6.—**Carroll, D. G.** Cerebral involvement in schistosomiasis japonica. J. Mil. M. Pacific, 1946, **2**: 27–35.—**Fairley, N. H.** A preliminary report on an investigation of the immunity reactions in Egyptian bilharziasis. J. R. Army M. Corps, 1919, **32**: 244–67.—**França Gomes, A. da, & Castro Caiado, I. de.** Pseudo-polipose retal por schistosomose. Rev. med. mil., Rio, 1941, **30**: 179–88.—**Hugonot, G., & Sohier, R.** Splénomégalie bilharzienne. Bull. Soc. méd. mil. fr., 1935, **29**: 161–4.—**Kane, C. A., & Most, H.** Central nervous system schistosomiasis. Bull. U. S. Army M. Dep., 1946, **6**: 91–3. ——— Schistosomiasis of the central nervous system; experiences in World War II and a review of the literature. Arch. Neur. Psychiat., Chic., 1948, **59**: 141–83.—**Meleney, H.** Investigations in connection with schistosomiasis, with particular reference to its biological aspects. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 54–6.—**Podkul, T. B.** Case report; schistosomiasis and portal cirrhosis. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 9, 12–6.—**Sonoda, T.** Nippon-zyū kekkyūtyū no kansen narabi-ni hatuiku-zyō ni oyobosu ōdan no eikyō [Einfluss des Ikterus auf die Entwicklung von Schistosoma japonicum im Wirtskörper] Gun idan zassi, 1934, 499–530, illust.—**Susceptibility** (The) of albino rats to Schistosoma mansoni. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 3.

—— Treatment.

Killough, J. H. An evaluation of three clinically accepted antimonial compounds in experimental infection with Schistosoma mansoni. 11p. 26½cm. Bethesda, 1947.

Forms Rep. No. 11, Res. Proj. X–535, U. S. Nav. M. Res. Inst.

—— Three new antimonial compounds active against experimental infections with Schistosoma mansoni. 5p. 26½cm. Bethesda, 1948.

Forms Rep. No. 19, Res. Proj. NM 005 004 (or, X–535) U. S. Nav. M. Res. Inst.

Levine, M. D., & Kuntz, R. E. The effect of sodium salicylate on experimental Schistosoma mansoni infections. 4p. 26½cm. Bethesda, 1948.

Forms Rep. No. 18 of preceding project.

Smith, R. E., Cowie, D. B., & Hill, C. H. The distribution of radioactive antimony in hamsters infected with Schistosoma mansoni, with particular reference to accumulation in the thyroid. 7p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–420, U. S. Nav. M. Res. Inst.

Cawston, F. G. The use of emetine in treating bilharzia disease in the child. J. R. Army M. Corps, 1926, **46**: 57–60. ——— Some results of original research into the treatment of chronic hæmaturia caused by Schistosoma hæmatobium (Bilharz) and its associated trematode parasitic worms. Ibid., 1929, **53**: 416–27.—**Chemotherapy** (The) of schistosomiasis japonica. Bull. U. S. Army M. Dep., 1945, **4**: 178–80.—**Effect** (The) of sodium salicylate on experimental Schistosoma mansoni infections. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 6.—**Hecht.** Miracil. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 124–7.—**Kikuth, W.** Miracil bei Bilharziose. Ibid., 122.—**Marconis, J. T.** Study and treatment of 27 cases of schistosomiasis mansoni with fuadin. Mil. Surgeon, 1946, **99**: 34–9.—**Phease, R. N.** Report on the efficiency of the treatment of bilharziosis by intravenous injections of antimony tartrate, after two years. J. R. Army M. Corps, 1923, **41**: 206–9.—**Screening** of compounds for activity against Schistosoma mansoni infestation in mice. Res. Program U. S. Army M. Res. Bd, 1946, July, 47–55.—**Taylor, F. E.** Intravenous injections of antimonium tartaratum (tartar emetic) in bilharziasis. J. R. Army M. Corps, 1919, **33**: 181–90.—**Three** new antimonial compounds active against experimental infections with Schistosoma mansoni. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 6.

—— Veterans.

Most, H. Schistosomiasis in the veteran. 11p. 27cm. Wash., 1947.

Forms Techn. Bull. TB 10–36, U. S. Veterans Admin.

Pitner, G., McNamara, W. L., & Gogolak, F. M. Parasitologic studies of World War II veterans, with special reference to schistosomiasis japonica. Am. J. Clin. Path., 1948, **18**: 632–4.

SCHIZANDRA.

Rossijsky, D. M. Limonnik kitajskij (Schizandra chinensis) novoe stimulirujuščee i tonizirujuščee sredstvo. Voen. med. J., Moskva, 1947, No. 8, 41–7.

SCHNEIDER test.

See under **Medical examination,** Cardiovascular system.

SCHNORCHEL.

See under **Submarine.**

SCHOERZINGEN.

See **Internee.**

SCHOLANDER analyzer.

See **Gas analysis.**

SCHOOL.

See also **Disabled,** School and training; **National defense,** Educational problems.

—— Aviation medicine.

See also **Aeromedicine,** Instruction; **Research,** aeromedical: Organization.

United States. Air Force. School of Aviation Medicine [Photographs with typewritten explanations] 40 items. 4° Randolph Field, 1932.

See Collection in Library.

McDowell, J. R. Post-graduate training in Army Air Forces hospitals. South. M. J., 1944, **37**: 10–2.—**Rardin, T. E.,**

&Rosenow, O. F. Excellent work carried on at Medical Training Section, Robins Field, reviewed by two Columbus officers. Ohio M. J., 1943, **39**: 64–6.—**Sobennikov, I. K.** Voprosy vrachebno-letnoj ekspertizy v letnykh školakh. Voen. san. delo, 1941, No. 1, 81–4.

—— Aviation medicine, naval.

Aerial view of Naval School of Aviation Medicine at Pensacola [Illustr.] Contact, Pensacola, 1944–45, **4**: No. 1, front.—**Brief** (A) history of the Naval School of Aviation Medicine. Ibid., 1941–42, **1**: 5–7.—**Caveny, E. L.** History of the School of Aviation Medicine, U. S. Navy, U. S. Naval Air Station, Pensacola, Florida. Ibid., 1946–47, **6**: 149–52.—**Naval** (The) School of Aviation Medicine, Naval Air Training Center, Pensacola, Florida. Ibid., 1943, **3**: 204–6.

—— Aviation medicine: Randolph Field.

United States. Air Force. School of Aviation Medicine. Schedule covering basic course of instruction. 5v. in 1. 27cm. Randolph Field, 1938–40.

—— Program covering basic course of instruction. 5v. in 1. 27cm. Randolph Field, 1938–40.

—— Project. Randolph Field, No. 78, Rep. No. 1, 1945–

AAF School of Aviation Medicine, Randolph Field, Texas. Air Univ. Cat. (U. S. Air Force) 1947, **1**: 89–110.—**Brief** history of the School of Aviation Medicine. Med. Bull. Continent. Air Command, 1949, **1**: 3–6.—**Covas y Coro, R. J. de J.** La Escuela de medicina de aviación de Randolph Field. Rev. san. mil., Habana, 1942, **6**: 254–9.—**Kossman, C. E.** The school of Aviation Medicine, Randolph Field, Texas. Med. Bull., N. Y., 1941–42, **7**: 3–5. ——— Present trends in teaching the Army School of Aviation Medicine. J. Aviat. M., 1943, **14**: 216–22.—**Randolph** Field, Texas. School of Aviation Medicine. Group photograph of the class of Dec., 1935. In Collection of Library.—**Reinartz, E. G.** The School of Aviation Medicine and the war. Mil. Surgeon, 1943, **92**: 233–42.—**School** of aviation medicine, Randolph Field, Texas. J. Aviat. M., 1940, **11**: 131.—**School** of Aviation Medicine, roster (Randolph Field) Ibid., 1942, **13**: 85–7.—**Visit** to the Army School of Aviation Medicine, RandolphF ield, Texas. Contact, Pensacola, 1943, **3**: 191–3.

—— Aviation medicine: School of Applied Tactics.

White, M. S. Medical training at the AAF School of Applied Tactics. J. Aviat. M., 1945, **16**: 32–4.

—— Chemical warfare.

United States. Department of the Army. Medical aspects of chemical warfare. 1936 ed. 32p. 23cm. Wash., 1936.

Forms Spec. Text No. 57, Army Extens. Courses.

—— Coast Guard Academy.

Bobbitt, J. M., & Newman, S. H. Psychological activities at the United States Coast Guard Academy. Psychol. Bull., 1944, **41**: 568–79.—**Felix, R. H., Cameron, D. C.** [et al.] An integrated medico-psychological program at the United States Coast Guard Academy; preliminary report. Am. J. Psychiat., 1944–45, **101**: 635–42.

—— Dental school.

United States. Army Dental School. Handbook for the dental assistant and mechanic. 93p. 23cm. Wash., 1941.

Army (The) Dental Corps School of instruction. Brit. Dent. J., 1941, **70**: 138–40.—**Grieder, H.** Zum Artikel: Eine Anregung zur Reform der Wiederholungskurse der Militärzahnärzte. Vjschr. schweiz. Sanitätsoff., 1930, **7**: 24.—**Oliver, R. T.** Statement regarding application for membership of Army Dental School, Washington, D. C. Proc. Am. Inst. Dent. Teachers, 1920, **27**: 143.—**Ream, W. J.** A West Point for dentistry. Oral Hyg., Pittsb., 1942, **32**: 1206.

—— Dental school, naval.

Brief (A) outline of the curriculum of the Naval Dental School. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 10, 78–82.—**Navy** (The) Dental School. U. S. Nav. M. Bull., 1923, **19**: 1–14, 8 pl.—**Pitton, R. D., Malone, R. W.** [et al.] Functions of the Naval Dental School. Pennsylvania Dent. J., 1944–45, **12**: 305–10.—**Rault, C. V.** Postgraduate education in the United States Naval Dental School. J. Am. Dent. Ass., 1948, **36**: 311–5. ——— Postgraduate instruction at the United States Naval Dental School. Oral Surg., 1948, **1**: 419–22.—**Taylor, R. W.** Oral surgical routine at the United States Naval Dental School. U. S. Nav. M. Bull., 1942, **40**: 779–84.—**Yando, A. H.** The United States Naval Dental School, Bethesda, Md. Ibid., 267–77.

—— Dental technicians.

Sweet, A. P. S., Draye, M. F., & Hornbaker, R. W. School for dental technicians (general), U. S. Naval Training Station, Sampson, N. Y. J. Am. Dent. Ass., 1944, **31**: 1046–51.

—— Hospital Corps school [Navy]

United States. Navy Department. Medicine and Surgery Bureau. Catalog of hospital corps schools and courses. 71p. 23cm. Wash., 1942.

Bliven, E. C. W. The Hospital Corps School of the United States Marine Service. Am. J. Pharm. Educ., 1943, **7**: 150–5.—**Catalog** of Hospital Corps schools and courses. Hosp. Corps Q., 1943, **16**: No. 1, Suppl., 1–68; 1945, **18**: Suppl. A., 1–83.—**Davidson, A. B., Maxwell, J. W.** [et al.] U. S. Naval Hospital Corps School, Naval Training Station, Bainbridge, Md. Ibid., 1943, **16**: No. 3, 66–79.—**Davis, R. G.** The Hospital Corps Training School at Great Lakes. U. S. Nav. M. Bull., 1920, Suppl., 31–4, pl.—**Dickens, P. F.** The Hospital Corps Training School at San Francisco. Ibid., 1918, Suppl. No. 6, 11–6, 5 pl. ——— The Pharmacist's Mates School. Ibid., 1920, Suppl., 46–9.—**Eaton, W. E.** U. S. Naval Hospital Corps School, U. S. Naval Hospital, Great Lakes, Ill. Hosp. Corps Q., 1943, **16**: No. 3, 22–40.—**Harding, H. S.** U. S. Naval Hospital Corps School, Farragut, Idaho. Ibid., 79–85.—**Hospital** Corps School. Ibid., 1945, **18**: No. 6, 2–6.—**Hunt, D., & Schwartz, A. T.** U. S. Naval Hospital Corps School, Portsmouth, Va. Ibid., 1943, **16**: No. 3, 2–22.—**Johnston, W. M., Hanson, H.** [et al.] Articles on activities and subjects, U. S. Naval Hospital Corps School, U. S. Naval Hospital, San Diego, Calif. Ibid., 41–66.—**Parker, E. V.** Aids to teaching in a Hospital Corps school. Ibid., 64–6.—**Rhodes, R. S.** The things that count; foreword to symposium on Hospital Corps schools. Ibid., 1.—**Ryan, H. L.** The Hospital Corps Training School, Newport, R. I. U. S. Nav. M. Bull., 1918, Suppl. No. 6, 16–8, 2 pl.—**School** of instruction [Hospital Corps, the Old School] Hosp. Corps Q., 1943, **16**: No. 3, 191–209.—**Stuart, M. A.** The origin and organization of the U. S. Navy Hospital Corps School, Portsmouth, Virginia. J. Am. Pharm. Ass., 1936, **25**: 317–24.—**Trippe, A. D., & Kruglak, T. E.** U. S. Marine Service Hospital Corps School. Hosp. Corps Q., 1945, **18**: No. 6, 31–3.

—— Hygiene school.

Army School of Hygiene. Med. Off., Lond., 1943, **70**: 92.—**Celebrazione** (La) del cinquantenario della Scuola di applicazione di sanità militare; la cerimonia celebrativa. Gior. med. mil., 1933, **81**: p. iii–xxiv.—**Grixoni, G.** La Scuola di sanità militare nel dopoguerra. Ibid., 1926, **74**: 54–67.—**Kahn, S. H.** Military Health School, Lyons. Hosp. & Health Management, Lond., 1948, **11**: 149.—**Morelli, E.** La Scuola di sanità militare in Firenze. Forze san., Roma, 1934, **3**: 426.—**Piédrola Gil, G.** Concepto actual de la investigación y necesidad de la creación de este servicio para completar la labor del Instituto de higiene militar. Med. & cir. guerra, 1949, **11**: 133–42.—**Work** (The) of the Army School of Hygiene. J. R. Inst. Pub. Health, 1943, **6**: 255–7.

—— Medical Field Service School.

Flower, M. E., & Flower, L. E. This is Carlisle. 72p. 25½cm. Harrisb., 1944.

United States. Army. Field Service School for Medical Officers. Collected papers [v. p.] 18cm. Fort Leavenworth, 1914.

United States. Army Medical Department Schools. Graduation exercises; Field Service School; first class; basic course for Medical Department officers, 11 May 1946. 8p. 15½cm. Fort Sam Houston, 1946.

—— Graduation exercises; Field Service School; fifth class; Army School of Roentgenology; first class; School of Military Neuropsychiatry; first class, 7 September 1946. 8p. 15½cm. Fort Sam Houston, 1946.

—— Graduation exercises; Field Service School; sixth class and third special dental class; basic course for Medical Department officers, 11 October 1946. 12p. 15½cm. Fort Sam Houston, 1946.

United States. Army. Medical Field Service School. Pamphlet. Carlisle Barracks, No. 1, 1929–

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No. 3. Water purification. 1929.
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No. 6. The medical service of a field force. 1929.
No. 7. The medical service of the Corps and Army. 1929.
No. 8. Principles and methods of military training. 1931.
No. 9. The associated arms of the infantry division. 1932.

—— Medical detachment of an infantry regiment. 8p. 8°. Carlisle Barracks, 1933.

—— Instructional matter, noncommissioned officers course, 1936. v.p. 4°. Carlisle Barracks, 1936.

—— Program of the basic class, 1939. 26p. 26½cm. Carlisle Barracks, 1939.

—— The laying of the corner stone Hoff Hall, academic building of the Medical field service school. 20p. 29½cm. Carlisle Barracks, 1941.

—— Graduation of Refresher Class. 13 l. 27cm. Carlisle Barracks, 1941.

—— Broadcast, Thursday, Dec. 17, 1942, 8:00 PM. 16 l. 28cm. Carlisle Barracks, 1942.

—— Graduation exercises; officers' class. 29.–69., 1943–45. 9v. 15½cm. Carlisle Barracks, 1943–45.

United States. Army. Medical Field Service School [Fort Sam Houston, Tex.] Program of instruction for officers' basic course. 10 June 1947. 175p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for hospital administration course. 20 June 1947. 82p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for MC–1, Medical Department officers' basic course. 14 July 1947 (Revised) 56p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for electroencephalography course for medical officers (MO–26) 1 August 1947. 38p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for psychologist course. 15 September 1947. 62p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for associate advanced Medical Department officer's course. 25 September 1947 (Revised) 87p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for officers' basic course in military neuropsychiatry (MO–10) 24 September 1947. 55p. 8°. Fort Sam Houston, 1947. .

—— Program of instruction for associate basic Medical Department officer's course. 25 September 1947 (Revised) 121p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for psychiatric nursing course. Revised December 1947. 50p. 8°. Fort Sam Houston, 1947.

—— Program of instruction for basic Medical Department female officers' course; 8 weeks course. 117p. 8°. Fort Sam Houston, 1948.

—— Program of instruction for physical reconditioning officer course (MO–23) 1 February '48. 56p. 8°. Fort Sam Houston, 1948.

Zuver, P. E. A short history of Carlisle Barracks, 1757–1934. 157p. 8°. Carlisle Barracks, 1934.

Bleckwenh, W. J. Why Carlisle? Mil. Surgeon, 1936, **79**: 123–6.—**Dabney, A. S.** The work of the Medical Field Service School. Ibid., 1943, **92**: 178–85.—**Dedication** of Wakeman Field. Bull. U. S. Army M. Dep., 1945, No. 84, 30.—**Eight** hundred officers graduate at Carlisle Barracks, Pa. J. Am. M. Ass., 1942, **120**: 541.—**Establishment** of a Department of field medicine and surgery at the Medical Field Service School, Carlisle Barracks, Pa. Army M. Bull., 1941, No. 58, 148.—**Graduation** at Carlisle Barracks. J. Am. M. Ass., 1942, **118**: 825.—**Hoff** Hall at Army Field Service School. Ibid., 157, illust.—**Hume, E. E.** The United States Army's Medical Field Service School, Carlisle Barracks, Pennsylvania. Pennsylvania Health, 1940, **1**: n. ser., No. 6, 19–32. ——— Training of medical officers for war duty; work of the United States Army's Medical Field Service School. War Med., Chic., 1941, **1**: 624–45. ——— What they teach you at Carlisle Barracks. Pittsburgh M. Bull., 1942, **31**: 674–6. Also Army Doctor, 1942–43, **1**: No. 4, 3–5. ——— The Army's Medical Field Service School and its war training of medical officers. J. Laborat. Clin. M., 1942–43, **28**: 388–417.—**Kogel, M. D.** Description of activities of Division of Military Sanitation, Medical Field Service School, Carlisle Barracks, Pennsylvania. Proc. Conf. Prev. M. Off., Balt., 1945, 96–100.—**Largest** class at Carlisle Barracks. Bull. U. S. Army M. Dep., 1945, No. 84, 31.—**Lull, G. F.** Carlisle Barracks 1868 and 1938. Mil. Surgeon, 1939, **84**: 500–2.—**Magee, J. M.** Graduation address to the basic class; Medical Field Service School, Carlisle Barracks, Pa., June 10, 1939. Army M. Bull., 1939, **49**: 4–12.—**Medical** Field Service School. Mil. Surgeon, 1941, **88**: 313.—**Medical** Field Service School at Carlisle Barracks. J. Am. M. Ass., 1944, **126**: 711.—**New** building for Army Medical Field Service School dedicated; Surgeon-general Magee laid corner-stone on June 26, 1941. Pennsylvania Health, 1941–42, **2**: No. 5, 21.—**O'Sheel, P.** On location at Carlisle Barracks; an eyewitness report on doctors-in-training at the Army's medical Field Service School. Med. Econom., 1940–41, **18**: No. 6, 40–7.—**Sutton, R. L.,** jr. Medical Field Service School at Carlisle Barracks. Week. Bull. Jackson Co. M. Soc., 1942–43, **37**: 909.

—— Medical Field Service School, naval.

Breard, H. A. The Medical Field-Service School, Camp Lejeune. Hosp. Corps Q., 1944, **17**: No. 5, 27–31.—**Gillespie, H. E.** Medical Field Service School U. S. Marine Barracks, Quantico, Virginia. Mil. Surgeon, 1938, **83**: 343–5.—**Knowlton, D. S.** Medical Field Service School, Camp Lejeune, New River, N. C. Hosp. Corps Q., 1943, **16**: No. 3, 91–101.

—— Medical mountain-training school.

Henze, C. Medical mountain training school, St. Johann in Tyrol. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1a, 1.

—— Medical Research and Graduate School.

See also **Medical center.**

United States. Army Medical Center [Publications] A. M. C. Wash., No. 112, 1935–

United States. Army Medical Department Research and Graduate School [Publication] Wash. (1946-47) 1947–

—— Basic science notes. 5v. 27cm. Wash., 1948.

United States. Army Medical School. Basic course for officers; fortieth session; August 28, 1935 to December 28, 1935. 53 l. 27cm. Wash., 1935.

Forms No. 167, A. M. C. U. S. Army M. Center.

—— [Photographs] 11 items. Wash., 1900–10.

PHOTOS

No. 1. Staff of professors, 1901: Borden, Birmingham, Shakespeare, Torney, Back, Smart, De Witt.
No. 2. Students, ca. 1900.
No. 3. Faculty and class of student officers, 1901–02.
No. 4. Faculty and student officers, 1901–02.
No. 5. Group of students, 1901–02.
No. 6. Graduating class, 1902–03.
No. 7. Faculty and students, 1903–04.
No. 8. Faculty and students, 1908.
No. 9. Class of 1909–10: Craig, Darnall, McCaw, Arthur, La Garde, Crosby, Winter, Russell, Pipes.
No. 10. Faculty of the U. S. Army Medical School and student officers, 1909–10.
No. 11. Lecture room of the Army Medical School in Army Medical Museum and Library building, 1901–02.
For photographs see Collection in Library.

United States. War Department. Bureau of Public Relations. Press Branch. The Army Medical School. 6 numb. l. 32cm. Wash., 1942.

Army Medical Center. Army M. Bull., 1936, **34**: 42–7. **Army** Medical School. Mil. Surgeon, 1940, **87**: 74.—**Dunham, G. C.** Research problems now under way at the Army Medical School. Army M. Bull., 1937, No. 38, 1–4.—**Fiftieth** (The) anniversary of the Army Medical School. Science, 1943, **98**: 579. Also J. Am. M. Ass., 1944, **124**: 101.—**Freeman, M. E.** Biochemical research at the Army Medical Department Research and Graduate School. Mil. Surgeon, 1949, **104**: 434–7.—**Radbil Lhoumaud, A.** Escuela médico-militar norteamericana para pos-graduados. Bol. méd. Chile, 1943–44, **19**: No. 834, 5.

—— Medical school.

See also various other subdivisions; also **Medical officer,** Education; **Medical student** subheadings (Education; Training program) **Physician,** Preparedness.

Alden, C. H. Examinations for medical positions and especially for the Army Medical Staff. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2:** 1066–75.—**Armstrong, G. E.** The United States Army Medical Corps and medical education. J. Ass. Am. M. Coll., 1948, **23:** 289–96.—**Army** program for student training. Fed. Bull., Chic., 1943, **29:** 148–50.—**Arnold, H. B.** Personnel Division; Section of Medical Education, Medical Enlisted Reserve Corps [Surgeon General's Office] In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1:** 160–70.—**Dalton, J. N.** Premedical and medical education as related to the United States Army. J. Am. M. Ass., 1943, **121:** 633–5.—**Examinations** for Army Medical Corps. Ibid., 1938, **111:** 1309; 1939, **112:** 384.—**Jakovlev, G.** Medicinskaja kollegija. In: Encikl. slovar voen. med., Moskva. 1946–48, **3:** 936–8.—**Kirk, N. T.** The United States Army and medical education. J. Am. M. Ass., 1943, **122:** 1085.—**Magee, J. C.** Medical education and the war; United States Army. Ibid., 1942, **119:** 1255–7.—**Medical** department opens new school. Ibid., 503.—**Montalvão Machado, J. T.** Escola médica de Chaves. J. méd., Pôrto, 1949, **14:** 742–4.—**Moran.** The part played by the doctor in the training of the Army for war. J. R. Fac. Med. Iraq, 1948, **12:** 181–7.—**Satō, T.** Gun-i kyōiku no hōsin [Trends in Army medical education] In his Den Masanao Koike, Tōkyō, 1940, 351.—**Souza Ferreira.** Discurso do acadêmico Gen. Dr. Souza Ferreira. Rev. med. mil., Rio, 1942, **31:** 270–80.—**Vinogradov, I. P.** K voprosu o podgotovke medicinskikh kadrov. Vest. khir., 1945, **65:** No. 6, 3–9.

—— Medical school: Reserve officers' training.

See also **Training,** medical.

Great Britain. War Office. Royal Army Medical Corps training, 1911 [reprint] 453p. 18½cm. Lond., 1914.

Oven, A. K. Taktischc Ausbildung der Sanitäts-Offiziere. 2v. 64p.; 50p. 22cm. Berl., 1898–99.

United States. Army. Medical Officer's Training Camp. Provisional Instruction Company K. [Photograph] 1 item. Fort Benjamin Harrison, Ind., 1917.

For photograph see Collection in Library.

United States. Army. Surgeon-General's Office. Circular of information on the establishment and operation of medical units of the Reserve Officers' Training Corps, U. S. Army, at Class A medical schools, 1936. 17 l. 8° Wash., 1936.

—— Instructors' guide for Medical Department Mobilization Training Program 8–1; for medical units or installations and Medical Department technicians. 551p. • 24cm. Carlisle Barracks, 1942.

—— Instructors' guide for Mobilization Training Program 8–101; for Medical Department units. 560p. 22cm. Carlisle Barracks, 1944.

Aldridge, L. W. Specialist courses for service M. O.'s. Brit. M. J., 1943, **2:** 88.—**Armstrong, G. E.** Medical Department training program. Mil. Surgeon, 1948, **102:** 304–9.—**Army** doctors take intensive courses. Army Navy Reg., 1943, **64:** Jan. 9, 3.—**Banderet.** Remarques sur la course de Frauenfeld. Vjschr. schweiz. Sanitätsoff., 1944, **21:** 152.—**Brady, J. T.** Technical training facilities available in the European Command. Med. Bull. Europ. Command, 1949, **6:** No. 4, 34–8.—**Cameron, W. M.** Training the newly commissioned army medical officer. Brit. M. J., 1942, **1:** 230.—**Corps** (A) School for the R. A. M. C. Ibid., 1941, **2:** 27.—**Drac.** Sprawozdanie z kursu doksztalcającego dla lekarzy w Ciechocinku. Lek. wojsk., 1928, **12:** 262–73.—**Duke, R. E.** The training of officers in the Medical Department. Bull. U. S. Army M. Dep., 1948, **8:** 378–85. ——— Training activities of the Army Medical Department. Mil. Surgeon, 1948, **102:** 339–42. ——— Residency training program. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 68–83. ——— & **Mudgett, L. E.** Training of Medical Department officers in civil institutions. Bull. U. S. Army M. Dep., 1949, **9:** 316–8.—**Ecole** de perfectionnement des officiers de réserve du Service de Santé. J. méd. Bordeaux, 1933, **110:** 114–6.—**Grabfield, G. P.** Inactive duty training course for medical reserve officers. Mil. Surgeon, 1938, **83:** 533–6.—**Hart, W. L.** The medical education of the Eighth Service Command, U. S. Army. Texas Rep. Biol. M., 1944, **2:** 361–5.—**Heusser, H.** Ueber den Dienst in einer Sanitäts-Rekrutenschule. Vjschr. schweiz. Sanitätsoff., 1924, **1:** 66–9.—**Ibuki, K., Hirai** [et al.] Procurement and training of medical personnel. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 294, 1–8.—**Improvements** in advanced training for medical officers. Bull. U. S. Army M. Dep., 1948, **8:** 102–4.—**Lebenshon, A. N.** Medical education at the front. J. Am. M. Ass., 1943, **122:** 695.—**Leigh, T. F.** Army speeds M. D. training. Med. Econom., 1941–42, **19:** No. 4, 53–5.—**Leman.** The organisation and training of the other ranks of the medical service. Arch. méd. belges, 1936, **89:** Bull. internat., 809–15.—**Long, N. G.** The eighth annual Mayo Foundation Medico-Military Training Unit. Mil. Surgeon, 1937, **80:** 309–13.—**McCallum, A.** Professional training of medical officers in the R. C. N. during active service. Med. J. (R. Canad. Navy) 1945, **9:** No. 1, 1–7.—**Making** ready for the second front; realistic training in the American Army Medical Corps. Nurs. Times, Lond., 1942, **38:** 683.—**Margiewicz, A.** Nowsze kierunki wyszkolcnia bojowego oficerów służby zdrowia w armiach obcych, a szkolenie służby zdrowia w wojsku polskim. Lek. wojsk., 1948, **24:** 374–9.—**Martins Pereira, H. A.** O treinamento do especialista de saúde. Rev. méd. brasil., 1944, **17:** 683–94.—**Meier, E. J.** Arbeiten aus dem militärmedizinischen Bildungskurs der 5. Division. Schweiz. med. Wschr., 1940, **70:** 37–42.—**Mickus, M.** [Training of physicians and organizing hospitals for war] Medicina, Kaunas, 1935, **16:** 580–2.—**Mumford, W. B.** Refreshcr courses for service M. O.'s. Brit. M. J., 1943, **2:** 435.—**Munly, W. C.** Participation of thc Medical Department in the 1940–41 military training program. Tr. South. Surg. Ass. (1940) 1941, **53:** 240–54.—**Participation** of the Medical Department of the Army in the 1940–41 military training program. J. M. Ass. Alabama, 1940–41, **10:** 217–20.—**Preparing** the doctor for the services. Nova Scotia M. Bull., 1942, **21:** 354–8.—**Queen, F. B., & Mailer, A. R.** A plan of short period instruction designed to correct deficiencies revealed in training inspections. Mil. Surgeon, 1942, **90:** 186–9.—**Raaflaub, W.** Der freiwillige Vorunterricht und wir. Militärsanität, Zür., 1943, **25:** 117–9.—**Recruiting,** training, and advanced training of military medical officers and pharmacists. Rep. Internat. Congr. Mil. M. Pharm., 1933, 6. Congr., 33–65.—**Richardson, F. M.** The training of field medical units. J. R. Army M. Corps, 1949, **93:** 223; passim.—**Sandy, W. C.** The training of C. M. T. C. students by Reserve Corps officers. Mil. Surgeon, 1931, **68:** 471–7.—**Schitlowsky, M.** L'instruction en campagne des unités du Service de santé de l'Armée suisse. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 85–109. ——— Field training of the medical services of the Swiss army. Bull. internat. Serv. santé, Liége, 1937, **10:** 168.—**Schwab, M.** Orientierungskurse für freiwillige Kriegsärzte in Berlin. Reichs Med. Anz., 1914, **39:** 562–8.—**Séance** d'ouverture du cours de l'Ecole de perfectionnement des officiers de réserve du Service de santé de la 18e région. J. méd. Bordeaux, 1936, **113:** 42–4.—**Smith, F. L.** Résumé of the proceedings of the Medico-Military Inactive Status Training Unit, October 2–16, 1938; the Mayo Foundation, Rochester, Minnesota. Mil. Surgeon, 1939, **84:** 228–32.—**Tarasov, V.** Kursy usoverśenstvovanija medicinskogo sostava. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 302–4.—**Training;** College of Medical Sciences; American Expeditionary Forces University, Beaune, Cote D'Or, France. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 661–4.—**Training;** miscellaneous schools. Ibid., 563–8.—**Training;** professional schools in military and nonmilitary institutions. Ibid., 471–562.—**Training;** special schools. Ibid., 393–469.—**Vollenweider.** Erweiterte sanitarische Eintrittsmusterung in den Wiederholungskursen. Vjschr. schweiz. Sanitätsoff., 1930, **7:** 20–4.—**Wakeman, F. B.** Medical Department training. Army M. Bull., 1941, No. 57, 45–58.—**Welton, T. S.** Surgical training and active military duty. Am J. Surg., 1941, **51:** 309.—**Williams, R. P., & Robinson, A. F.** Medical participation in exercise Seminole. Mil. Surgeon, 1948, **103:** 440–9.—**Wszelaki, S.** [Organization of auxiliary courses for military physicians] Lek. wojsk., 1935, **26:** 129–39.

—— Medical school—in wartime.

Accelerated medical training. West Virginia M. J., 1942, **38:** 125.—**Accelerated** (The) program. J. Ass. Am. M. Coll., 1942, **17:** 123.—**Accelerated** (The) program of the medical colleges. Scalpel, N. Orl., 1942, **13:** 3–9.—**Acceleration** of medical training. Fed. Bull., Chic., 1942, **28:** 2.—**Annual** trek of medical students from Emory to Michigan interrupted by war. J. M. Ass. Georgia, 1943, **32:** 22.—**Bayne, H.** The effect of the war on medical colleges. Spec. Libr., Balt., 1943, **34:** 255–7.—**British** students carry on after bombing of S. Thomas's Medical School. J. Am. M. Ass., 1941, **116:** 347.—**Burns, B. I.** Foreword. Tristate M. J., 1942–43, **15:** 2819.—**Carpenter, C. C.** Deceleration of the teaching program. J. Ass. Am. M. Coll., 1945, **20:** 73–8.—**Chandler, L. R.** Medical schools and the war effort. Ibid., 1943, **18:** 1–5.—**Contribution** of medical schools to the war effort. J. Am. M. Ass., 1942, **119:** 1375.—**Deceleration** in medical education. N. England J. M., 1944, **231:** 811.—**Diehl, H. S.** What medical, dental, and nursing schools may do to hasten the graduation of their respective students. J. Ass. Am. M. Coll., 1942, **17:** 232–7.—**Dorst, S. E.** Effects of the accelerated program of medical schools on Faculty and students after 18 months' experience. South. M. J., 1944, **37:** 63–6.—**Johnson, V.** Four academic years in three calendar years. J. Ass. Am. M. Coll., 1942, **17:** 9–15; Disc., 23–8. ——— Effects of the accelerated program of medical schools on the curriculum, Faculty, and students. Ibid., 1944, **19:** 70–6.—**Laipply, T. C.** War and the Medical School. Clin.

Bull. School M. West. Reserve Univ., 1943, **7**: 96–8.—**Lull, G. F.** The place of the medical colleges in the national defense. J. Ass. Am. M. Coll., 1942, **17**: 1–8.—**M., R. A.** The Medical School in an all-out war. Washington Univ. M. Alumni Q., 1941–42, **5**: 114.—**MacEwen, E. M.** The accelerated program in medicine. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1944, 40. Congr., 34–6.—**MacNalty, A. S.** Medical training in wartime Britain. J. Ass. Am. M. Coll., 1944, **19**: 344–9.—**Medical** education and the war. N. England J. M., 1942, **226**: 206.—**Medical** (The) school at war. Q. Bull. Northwest. Univ. M. School, 1943, **17**: 153; 236.—**Medical** schools in raided areas; programme for the new session. Brit. M. J., 1941, **2**: 345–7.—**Medical** (The) schools after three years' war [Great Britain] J. Am. M. Ass., 1942, **120**: 1410.—**Medical** schools after three years of war; arrangements for the new session. Brit. M. J., 1942, **2**: 289–91.—**Miller, J. R.** Partial acceleration of the medical program. J. Ass. Am. M. Coll., 1945, **20**: 79–82.—**Mudd, S.** Speeding production of physicians. J. Am. M. Ass., 1942, **118**: 556.—**Rappleye, W. C.** Report of the Committee on Preparedness of the Association of American Medical Colleges; plans for augmenting Medical Corps of Defense Forces. J. Ass. Am. M. Coll., 1942, **17**: 39–42. ——— Medical schools in wartime. Papers Annual Congr. M. Educ. (Am. M. Ass.) Chic., 1943, 39. Congr., 51–5.—**Rice, T. B.** The medical campus in wartime. Month. Bull. Bd Health Indiana, 1948, **51**: 65–9.—**Speeding** production of physicians. Fed. Bull., Chic., 1942, **28**: 36–8. Also J. Am. M. Ass., 1942, **118**: 228.—**Swett, F. H., & Eadie, G. S.** Four academic years in three calendar years. J. Ass. Am. M. Coll., 1942, **17**: 16–28.—**Tresidder, D. B.** Deceleration of the teaching program. Ibid., 1945, **20**: 65–72.—**Zucker, A., Guleke, N.** [et al.] Physical status of medical schools. CIOS Rep., Lond., 1945, Item 24, No. XXVI-23. 3.

—— Medical technicians.

School for Medical Department Technicians [William Beaumont General Hospital, El Paso, Texas] J. Am. M. Ass., 1942, **120**: 769.

—— Military Academy [West Point]

Exposé of facts, concerning recent transactions, relating to the Corps of Cadets of the United States' Military Academy, at West-Point, New York. 68p. 8° Newburgh, 1819.

Day, W. H. The dental preparation of aspirants to the United States Military Academy. Am. J. Orthodont., 1941, **27**: 147–53.—**Enlistment** in order to secure an appointment to the U. S. Military Academy. Army M. Bull., 1936, **35**: 17.—**Kerns, H. N.** Cadet problems. Am. J. Psychiat., 1923–24, **3**: 555–66. Also Ment. Hyg., Alb., 1923, **7**: 688–96.—**View** from West Point, looking up the Hudson, N. Y. For photograph see Collection in Library.—**West** Point (The) Military Academy; our Democratic school of arms, whose motto is Duty, honor, country. Sc. Am., N. Y., 1924, **131**: 150; 219.

—— Military medical school.

See also subheadings (Aviation medicine; Medical Field Service School; Medical school; Naval medical school, etc.)

Diepgen, P. Die militärärztlichen Bildungsanstalten und die Medizin im Wandel der Zeiten. Veröff. Heer. San., 1935, H. 95, 14–26. Also in his Med. & Kultur, Stuttg., 1938, 197–209.—**Hasslinger.** Die militärärztlichen Bildungsstätten auf dem europäischen Festland vor und zur Zeit der Gründung der Pépinière. Veröff. Herr. San., 1938, H. 105, 43–64.—**Koike, M.** Doku-Oh gun-i kyōiku no gairyaku [Outline of military medical education in Germany and Austria] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 352–62.—**Militarmedizinischer** Fortbildungskurs der Medizinischen Fakultät der Universität Bern. Praxis, Bern, 1943, **32**: 221.—**Rardin, T. E., & Reicher, N. B.** Can military medical education offer any features applicable to civilian professional instruction? Ohio M. J., 1947, **43**: 485–9.—**Senn, N.** Military pupil class. In his Around the World, Chic., 1905, 216–9.

—— Military medical school: Austria.

Brambilla, J. A. Statuta ac constitutiones Academiae Caes. Reg. Josephinae medico-chirurgicae, adjuncta simul norma in promotione magistrorum et doctorum chirurgiae praescripta. 55p. 27½cm. Wien, 1787.

Koike, M. Joseph-Daigaku wo tuisō-su [Recollections of Josephs-Akademie] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 912–5.

—— Military medical school: Brazil.

Academia brasileira de medicina militar. Rev. med. mil., Rio, 1942, **31**: 228–38.—**Academia** brasileira de medicina militar; a inauguração de seus trabalhos. Hospital, Rio, 1942, **22**: 819–21.—**Estatutos** da Academia brasileira de medicina militar. Rev. med. mil., Rio, 1942, **31**: 377–82.—**Fundada,** nesta capital, a Academia brasileira de medicina militar. Resenha med., Rio, 1942, **9**: 321.—**Magella Bijos, G.** As atividades científicas da Academia brasileira de medicina militar. Hora méd., Rio, 1943, No. 70, 23–7.—**Regimento** interno da Academia brasileira de medicina militar. Rev. med. mil., Rio, 1942, **31**: 383–90.

—— Military medical school: France.

Buquin, R. M. J. *L'hygiène et la médecine à l'Ecole de la Flèche. 79p. 8° Par., 1937.

Ecole (L') de Val-du-Grâce, 1852–1914. 242p. 4° Val-de-Grâce, 1914.

Bercher, J. Un détail de l'histoire du dôme du Val-de-Grâce. Bull. Soc. méd. mil. fr., 1924, **18**: 75–7.—**Des Cilleuls, J.** A propos de l'Ecole militaire de chirurgie renoueuse (1778–89) Mém. Soc. fr. hist. méd., 1946, **2**: 10–6.—**Ferron, M.** L'Ecole impériale du Service de santé militaire de Strasbourg (12 juin 1856–30 septembre 1870) Strasbourg. méd., 1934, **94**: 651; passim.—**Giovanelli, J. A.** Una visita a la Escuela de aplicación del servicio de sanidad militar del Val-de-Grâce, del Ejército Francés. Rev. mil., B. Air., 1940, **74**: 375–84. ——— Escuela (La) de sanidad militar del Ejército Francés; síntesis de observaciones personales sobre el Val-de-Grâce. Rev. san. mil., B. Air., 1940, **39**: 326–9.—**Médecins** et chirurgiens en chef et médecins chefs du Val-de-Grâce depuis sa création. In: Val-de-Grâce (Monéry, A.) Par., 1937, 61–4.—**Monéry, A.** L'Ecole d'application du Service de santé. Ibid., 54–60.—**Organizacja** wyszkolenia lekarzy i aptekarzy wojskowych we Francji (transl.) Lek. wojsk., 1921, **2**: 322–31.—**Worms, G.** L'enseignement de la chirurgie spéciale au Val-de-Grâce; les spécialtés (ophtalmologie-oto-rhino-laryngologie) dans leurs rapports avec la clinique générale. Arch. méd. pharm. mil., 1928, **88**: 383–409.

—— Military medical school: Germany.

Berlin, Germany. Militärärztliche Akademie zu Berlin. Der Jahrgang 1933. 115p. 30cm. Berl., 1937.

Schmidt, H. Die Kaiser Wilhelms-Akademie für das militärärztliche Bildungswesen, von 1895 bis 1910; Festschrift zur Einweihung des Neubaues der Akademie. 166p. 26cm. Berl., 1910.

Neumann-Neurode. Aufgaben und Bedeutung der Militärärztlichen Akademie als Ausbildungsstätte des Sanitätsoffiziernachwuchses. Deut. Aerztebl., 1939, **69**: 173–5.

—— Military medical school: Great Britain.

B., R. E. An Imperial College of War Medicine for the Armed Forces of the Crown. J. R. Army M. Corps, 1945, **84**: 117.

—— Military medical school: Japan.

Japan. Rikugun gun-i gakkō. Arbeiten aus der K. Japanischen militärärztlichen Lehranstalt, v.**1**. 112p. 26½cm. Tōkyō, 1892.

Gōda, T. Rikugun gun-i gakkō gyōkō kizi [An account of the visit of the Emperor to the Army Medical School] Gun idan zassi, 1930, 129–32, 4 pl.—**Rikugun** gun-i gakkō narabi-ni Usigome Zaidan Onsi Saisei-kai Byōin sintiku kōzi gaiyō [Survey of the construction of the Army Medical School and of the Usigome Welfare Society Hospital] Ibid., 1929, 1123–6, 6 pl.—**Rikugun** gun-i gakkō sotugyōsiki [Military Medical School graduation exercises] Ibid., 1577–86, tab.—**Rikugun** gun-i gakkō sotugyōsiki no gaikyō [Summary of Military Medical School graduation exercises] Ibid., 1925, 1193–205.—**Schmidt, B.** Die Ausbildung der Sanitätsoffiziere in Japan. Deut. Militärarzt, 1939, **4**: 63–5.

—— Military medical school: Mexico.

Mayoral Pardo, D. Bodas de plata de la Escuela médico militar. 24p. 19½cm. Méx., 1942.

Contreras Rodríguez, E. El himno Escuela médico-militar. Sugestiones, Méx., 1943–45, **9**: No. 115, 30–5.—**Gómez, F.** Inauguración de los cursos de la Escuela médico-militar para el año de 1943. Rev. Esc. méd. mil., Méx., 1943, **2**: No. 8, 35.—**Mayoral Pardo, D.** La Escuela médico-militar llena una necesidad y cumple su misión. Sugestiones, Méx., 1943–45, **9**: No. 110, 39–48.—**Pico Navarro, R.** ¿La Escuela médico-militar ha cumplido la misión para la cual fué creada? Mem. Convenc. méd. mil. mex., 1936, 215–8.

—— Military medical school: Russia.

Kubanskij gosudarstvennyj medicinskij institut imeni Krasnoj Armii. Trudy. Rostov, v.**7**, 1939–

Voenno-medicinskaja akademija. Протоколы заседаний конференции 1885/86; 1887/88. 2v. [v. p.] 23cm. S. Peterb., 1886–88.

VOENNO-MEDICINSKAJA AKADEMIJA RKKA im. S. M. KIROVA. Труды. Moskva, v.1, 1946–
—— Сборник трудов. Leningr., 1937–38; v. 43, 1949–

Berlin, P. Voennyj fakultet. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 953–6.—**Feigin, N.,** & **Cutner, M.** Voenno-medicinskie učiliśća. Ibid., 888–96.—**Geselevich, A. M.** [Académie médicale militaire S. M. Kirov et les chirurgiens de celle-ci; au jubilé de 140 ans] Khirurgia, Moskva, 1940, No. 12, 14–7.—**Glavacky, A. M.** [Military medical schools in wartime] Voen. san. delo, 1942, No. 6, 56–8.—**Korneev, V. M.** Vtoraja naućnaja konferencija Kujbyśevskoj voenno-medicinskoj akademii Krasnoj Armii. Ibid., 1941, No. 3, 83.—**Lukashevich, D.** Voenno-medicinskaja Akademija. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 872–81. ——— **Epstein, O.** [et al.] Voenno-medicinskoe obrazovanie. Ibid., 900–11.—**Poljak, B. L.** A Kirovról Elnevezett Katonai Orvosi Akadémia szerepe a szovjet szemészet fejlődésében. Szemészet, 1949, **86**: 130–2.—**Shagov, M. A.** Akademićeskaja okulistiće-skaja klinika voenno-medicinskoj akademii s 1874 po 1924 g. Arkh. oft., Moskva, 1930, **7**: 303–20.—**Zeiss, H.** Das russische Militärsanitätswesen; die Militärmedizinische Akademie von 1798 zu 1838. Deut. Militärarzt, 1939, **4**: 65–8.—**Zelenev, N.** Akademija voenno-medicinskaja. In: Bolsh. med. encikl., 1928, **1**: 208–13.

—— Naval medical school.

Royal (The) Naval Medical School. Mil. Surgeon, 1948, **103**: 193–7.

—— Naval medical school: France.

LAFFITAU, M. *La thèse à l'Ecole de santé navale [Bordeaux] 107p. 24½cm. Talence, 1937.

Ecoles du Service de santé de la Marine. Presse méd., 1925, **33**: 142.—**Jan.** Le Croiseur-école d'application le Duguay-Trouin. Arch. méd. nav., Par., 1902, **77**: 321; 401.—**N., S.** L'Ecole principale du Service santé de la marine et des colonies. Presse méd., 1946, **54**: 205.—**Piétri,** Ministre de la Marine, remet solennellement la Légion d'honneur à l'Ecole principale du Service Santé de la Marine. J. méd. Bordeaux, 1935, **112**: 261–4, portr.

—— Naval medical school: Germany.

Pohle. In der Sanitätschule der Kriegsmarine. Illustrierte Ztg, 1941, January, 64.—**Stute, K.** Die Marineärztliche Akademie; Erziehung des Sanitätsoffiziernachwuchses der Kriegsmarine. Zahnärztl. Mitt., 1941, **32**: 489–92.

—— Naval medical school: Russia.

VOENNO-MORSKAJA MEDICINSKAJA AKADEMIJA. Trudy. Leningr., T. 1, 1941–

Frankel, G., & **Nikolaev, B.** Naućno-issledovatelskij morskoj medicinskij institut Vooruźennykh sil SSSR. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1264.—**Zarinsky, G.** Voenno-morskaja medicinskaja Akademija. Ibid., **1**: 911–4.

—— Naval medical school: United States.

See also **Hospital Corps**; also subheading (Hospital Corps school)

DANIELS, J., BRAISTED, W. C., & WHITE, W. A. Addresses delivered at the closing exercises, twelfth session, April 2, 1914 (United States Naval Medical School, Wash., D. C.) 19p. 23½cm. Wash., 1914.

Beyer, H. G. The U. S. Naval Medical School. Med. Rec., N. Y., 1910, **78**: 939. ——— Closing remarks to the graduating class of the Naval Medical School March 25, 1912. Mil. Surgeon, 1912, **30**: 485–8.—**Bunker, C. W. O.** The United States Naval Medical School, Bethesda, Md. U. S. Nav. M. Bull., 1942, **40**: 260–7, 2 pl.—**Danilson, H. G.** The U. S. Naval Medical School. Mil. Surgeon, 1937, **80**: 53–60.—**Ferraro, D.** La Scuola navale medica negli Stati Uniti. Forze san., Roma, 1937, **6**: 377.—**Gori, A.** La Scuola degli allievi infermieri della marina da guerra degli Stati Uniti di America. Ann. med. nav., Roma, 1905, **2**: 203–6.—**National** Naval Medical School. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 10, 33–45.—**Oborne, D.** The Naval Medical School. Hosp. Corps Q., 1943, **16**: No. 3, 86–91.—**Pugh, H. L.** The Naval Medical School in 1946. U. S. Nav. M. Bull., 1946, **46**: 1159–69.—**Quintard, E.** Commencement address at the Naval Medical School, Washington, D. C., March 23, 1910. Mil. Surgeon, 1910, **26**: 506–15. ——— An address delivered to the graduating class of the U. S. Naval Medical School, March 23, 1910. Postgraduate, N. Y., 1910, **25**: 493–502.—**Redondo, J.** La Escuela de medicina naval de Washington. Rev. méd. Sevilla, 1906, **46**: 17–25.—**Thayer, W. S.** Address delivered before the graduating class in the U. S. Naval Medical School in May, 1909. Old Dominion J. M. & S., 1910, **11**: 313–24.—**United** (The) States Naval Medical School. U. S. Nav. M. Bull., 1942, **40**: 439.

—— Neuropsychiatry.

Fabing, H. Letter from London (School of Military Neuropsychiatry) Cincinnati J. M., 1944–45, **25**: 239–43.—**Halloran, R. D., & Farrell, M. J.** School for Military Neuropsychiatry for the Army, established at Lawson General Hospital, Atlanta, Georgia. Army M. Bull., 1943, No. 68, 195–8. ——— School of Military Neuropsychiatry. J. Am. M. Ass., 1943, **121**: 1159.—**Halloran, R. D., & Yakovlev, P. I.** Course in military neuropsychiatry. Am. J. Psychiat., 1942–43, **99**: 338–47.—**Porter, W. C.** The School of Military Neuropsychiatry. Ibid., 1943–44, **100**: 25–7. Also Ment. Hyg., Alb., 1943, **27**: 324.—**School** of Military Neuropsychiatry. Arch. Neur. Psychiat., Chic., 1943, **49**: 771. Also Lawson News, 1943, **3**: No. 4, 9. Also War Med., Chic., 1943, **3**: 562.—**School** of [Military] Neuropsychiatry moved to Long Island. Bull. U. S. Army M. Dep., 1943, No. 70, 7.

—— Nursing.

See also **Nurse, Training; Nursing, Instruction.**

American (The) Army Nurse Corps School. Nurs. Times, Lond., 1943, **39**: 621.—**Crandall, E. P.** Report of the Committee on Nursing, General Medical Board, Council of National Defense. Proc. Nat. League Nurs. Educ., 1918, **25**: 250–5.—**Dock, L. L., & Pickett, S. E.** Army School of Nursing. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 295.—**Shortages;** faculties and facilities. Am. J. Nurs., 1943, **43**: 285–8.—**Sister Anne Catherine.** The sun never sets on St. Joseph nurses. Hosp. Progr., 1944, **25**: 285–92.—**Training** for active service; the United States Army nurse goes to school at the American School Center in England. Nurs. Times, Lond., 1943, **39**: 622.—**Trejo, C.** Sobre la necesidad de crear la Escuela de enfermeros militares. Sem. méd., B. Air., 1920, **27**: pt 2, 526–30.—**Yale** announces short course for nurses in the preparedness program. Connecticut M. J., 1941, **5**: 585.

—— Occupational therapy.

Army (The) School of Occupational Therapy [Gr. Britain] J. Am. M. Ass., 1942, **120**: 977.

—— Orthopedic surgery.

UNITED STATES. ARMY. SCHOOL FOR FRACTURES AND WAR SURGERY, CHARITY HOSPITAL, NEW ORLEANS, LA. Officers constituting the Eighth Class, June 3–29, 1918.
For photograph see Collection in Library.

Geist, E. S. The School of Clinical Military Orthopedic Surgery, Camp Greenleaf, Fort Oglethorpe, Ga. Am. J. Orthop. Surg., 1918, **16**: 488–92.

—— Psychology.

Army ready to start school for military psychologists. Science News Lett., 1941, **40**: 5.—**Seidenfeld, M. A.** The Adjutant General's School and the training of psychological personnel for the Army. Psychol. Bull., 1942, **39**: 381–4.

—— Sanitary engineering.

Army Sanitation School. Hygeia, Chic., 1943, **21**: 876–9.—**Training;** Army Sanitary School, A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 601–60.

—— Sanitary instructors.

Tarasov, V. Shkoly sanitarnykh instruktorov. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1053–5.

—— Specialized training program.

Beukema, H. Army Specialized Training Program for medical students. J. Am. M. Ass., 1943, **122**: 813.—**Fitts, F. M.** The Army Specialized Training Program. Ibid., 1086–9. ——— Report on training in medicine and premedicine under the Army Specialized Training Program. J. Ass. Am. M. Coll., 1944, **19**: 11–23.—**Lull, G. F.** The Army Specialized Training Program. Ibid., 8–10.—**Welcome, E. H.** The Army Specialized Training Program (medical branch) Q. Bull. Indiana Univ. M. Center, 1944, **6**: 27–9.

—— veterinary.

Centro (El) militar de veterinaria. Rev. san. mil., Habana, 1938, **2**: 217–28.—**König, W.** Ein Tag in der Heeres-Veterinärakademie. Deut. tierärztl. Wschr., 1936, **44**: 119.—**Schmaltz.** Die Einweihung der Heeres-Veterinärakademie in Hannover. Berl. tierärztl. Wschr., 1936, **52**: 176.

SCIATICA.

See also **Disease**—by specific types: Backache; **Intervertebral disc; Lumbago.**

DOBROKHOTOV, M. S. *Ishias koreškovago proiskhoždenija (Meningo-radiculitis plexus lum-

bo-sacralis) [S. Peterb.] 180p. 8° Poltava, 1913.

Sury d'Aspremont, E. *Ischias und Militärdienst [Basel] 40p. 8° Mulhouse, 1932.

Symonds, C. P. Occurrence and treatment of sciatica arising from ruptured intervertebral disc in RAF and other military personnel. 3p. 28cm. Wash., 1942.

Forms No. 45, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Anquín, C. E. de. Ciáticas y lumbagos. Rev. san. mil., B. Air., 1944, **43**: 1145; passim.—**Aranda de Rojas, M.** Puntos de vista diagnósticos en la simulación de la ciática. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 737–45.—**Campbell, J. F. M.** The sciatic syndrome. J. R. Nav. M. Serv., 1945, **31**: 24.—**Davidenkov, S.** Ishias (ischias, neuralgia) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1051–6.—**Hare, H. J., & Langs, L. W.** Low back pain and sciatica with special reference to roentgen interpretation. U. S. Nav. M. Bull., 1943, **41**: 1263–72.—**Hoffman, H. L.** Sciatic pain. J. R. Nav. M. Serv., 1943, **29**: 184–9.—**Hortling, H.** Iakttagelser över krigsischias. Nord. med., 1941, **9**: 658; 669.—**Hurst, A. F.** Sciatica in soldiers. In his Med. Dis. War, 3. ed., Lond., 1943, 45–7.—**Langmaid, C.** Sarcoma of the sciatic nerve. J. R. Nav. M. Serv., 1942, **28**: 180–2.—**Macnab, I.** The pathogenesis of the clinical picture in sciatica. J. R. Army M. Corps, 1948, **91**: 152–5.—**Maximenkov, A. N.** [Structure of the sciatic nerve in the nerve trunk] Tr. Acad. mil. méd. Kiroff, 1935, **3**: 63–9.—**Moersch, F. P.** Sciatic pains and their differentiation. Mil. Surgeon, 1927, **60**: 562–72.—**Novozhilov, D. A., & Filippov, F. A.** [Relation of lumbar sciatica to changes in the lumbosacral region of the spinal column] Voen. med. J., Moskva, 1932, **3**: 163–7.—**Phylactos, A.** Névralgie sciatique droite par suite de compression du plexus lombo-sacré par de multiples kystes hydatiques de la cavité abdominale. Bull. Soc. méd. mil. fr., 1926, **30**: 126–9.—**Rizzo, C.** Le nuove vedute sulla sciatica. Gior. med. mil., 1930, **78**: 181–96. ——— Nuovi contributi e considerazioni sulla moderna concezione patogenetica della sciatica. Ibid., 669–75.—**Rogers, L.** Sciatica. J. R. Nav. M. Serv., 1946, **32**: 209–11.—**Sciatica**; posterior crural pain. Bull. Army M. Dep., Lond., 1942, No. 16, 1–11. Also Bull. War M., Lond., 1942–43, **3**: 455 (Abstr.)—**Sciatica** and the unit medical officer. Bull. Army M. Dep., Lond., 1942, No. 14, 6. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 58.—**Timmes, J. J.** Hypertrophied ligamentum flavum. U. S. Nav. M. Bull., 1939, **37**: 538–46.

—— Treatment.

Greenfield, M. B., & Powers, G. W., jr. Ionization with mecholyl chloride solution in the treatment of acute sciatica. Med. Bull. Veterans Admin., 1941–42, **18**: 336.—**Rose, M.** Sciatica and its treatment] Lek. wojsk., 1934, **23**: 449–71.—**Stéfenini.** Névralgique sciatique consécutive à une blessure de guerre; amélioration rapide par l'intervention chirurgicale. Bull. Soc. méd. mil. fr., 1926, **20**: 295.

SCIENCE Mobilization Act.

See also **Scientist**; also **Research,** Organization.

Alexander, J. The mobilization of science. Science, 1943, **97**: 577.—**Conant, J. B.** The mobilization of science for the war effort. Am. Scientist, 1947, **35**: 195–210.—**Jewett, F. B.** The mobilization of science in national defense. Bell Teleph. Q., 1942, **21**: 48–54. Also Science, 1942, **95**: 235–41.—**Kilgore, H. M.** The Science Mobilization Bill. Ibid., 1943, **98**: 151.—**Mobilization** (The) of science. Ibid., **97**: 407–12.—**Mobilizing** science. Ibid., 488.—**Price, D.** Biology and the Kilgore bill. Ibid., 578.—**Resolution** of the Council of the American Association for the Advancement of Science on the Science Mobilization Bill (S. 702) Ibid., **98**: 135–7.—**Science** Mobilization Bill (S. 702; H. R. 2100) A. A. A. S. Bull., Lanc., 1943, **2**: 34.—**Stetson, H. T.** The mobilization of science. Science, 1943, **97**: 508–10.—**Stewart, J. Q.** The Science Mobilization Bill. Ibid., 486.—**Taylor, L. H.** The Science Mobilization Bill. Ibid., **98**: 472.

SCIENTIST.

See also **Manpower.**

Cannon, W. B. War does not dim glory of medical scientists. Science News Lett., 1941, **40**: 173.—**Cullis, W. C.** Women scientists play vital part in war effort. Bull. from Britain, 1942, No. 77, 11–3.—**Godwin-Austen, H. H.** Future treatment of German scientific men. Nature, Lond., 1918, **102**: 64.—**Hume, E. E.** Ornithologists of the United States Army Medical Corps [Bk Rev.] Brit. M. J., 1942, **2**: 247.

—— Attitude to war.

Fowler, G. J., Kirk, E. [et al.] Moral responsibility of scientists in modern warfare. Proc. Soc. Biol. Chemists, Bangalore, 1936, **1**: 16–22.—**Martyrdom** of Polish men of science. Nature, Lond., 1941, **148**: 688.—**S., E. H.** The scientific mind and this war. Kansas City M. J., 1941 ,**17**: No. 4, 5.

—— Manpower problems.

See also **Manpower.**

Army (The) needs bacteriologists, biologic chemists, sanitary engineers and entomologists. J. Am. M. Ass., 1942, **119**: 35.—**Behre, C. H., jr, Grundfest, H., & Kabat, E. A.** The full utilization of scientific personnel. Science, 1942, **96**: 16.—**Britain's** defense aided by Central Register. Science News Lett., 1941, **39**: 77.—**Carmichael, L.** The National Roster of Scientific and Specialized Personnel; third progress report. Science, 1942, **95**: 86–9. ——— The number of scientific men engaged in war work. Ibid., 1943, **98**: 144.—**Dodge, H. L.** Suggestions from the Office of Scientific Personnel of the National Research Council. Rev. Sc. Instrum., 1943, **14**: 29. Also Science, 1943, **97**: 16.—**Effective** (The) use of scientific ability. Ibid., 1942, **96**: 374.—**General** conditions which influenced allocation and utilization of scientists during World War II. In: Scientists in Uniform, Wash., 1948, 19.—**Gray, G. W.** The threatened shortage of scientists. In his Science at War, 3. ed., N. Y., 1943, 63–5.—**Grundefest, H.** The complete utilization of scientifically trained personnel. Science, 1942, **96**: 318.—**Mather, K. F.** Wartime health and education. Ibid., 1944, **99**: 244.—**Nicholas, J. S.** Wartime scientific manpower production. Ibid., 1942, **96**: 135.—**Potential** and real scientific man-power. Nature, Lond., 1940, **146**: 141–3.—**Scholz, R. F.** Dr Scott goes to Washington; our national roster and how its works. Harpers Mag., 1941, July, 139–45.—**Stewart, I.** Scientific manpower. In his Organiz. Sc. Res. War, Bost., 1948, 256–77.—**Thiesmeyer, L. R.** The search for personnel. In his Combat Scientists, Bost., 1947, 55–69.—[**Utilization** of the nation's scientific and engineering talent] Research Rev. (U. S. Navy) 1949, Oct., p. iii.— **Utilization** of scientists by the Armed Forces. In: Scientists in Uniform, Wash., 1948, 1–23.

—— Military service.

Scientists in uniform, World War II. 98p. 23cm. Wash., 1948.

Thiesmeyer, L. R., & Burchard, J. E. Combat scientists. 412p. 22cm. Bost., 1947.

Ames, J. S. The trained man of science in the war. Alumni Bull. Univ. Virginia, 1918, **11**: 225–42.—**Batchelor, G. K.** The mobilisation of scientific workers. Australas. J. Pharm., 1942, **23**: 157.—**Drafting** of scientific workers. Science, 1944, **99**: 258.—**Jewett, F. B., & Bowman, I.** Deferment from military service of scientific men. Ibid., 1940, **92**: 607.—**Kennedy, F.** A call to arms for men of science. Westchester M. Bull., 1942, **10**: No. 9, 7–10.—**Longwell, C. R.** The deferment of scientific and technical personnel. Am. J. Sc., 1943, **241**: 768–71.—**Nelson, C. J.** Scientist-soldiers train at Yale. Yale Sc. Mag., 1943, **17**: No. 3, 3.—**Principal** war work of scientists and engineers. In: Scientists in Uniform, Wash., 1948, 31–5.—**Schmidt, K. P.** Suggestion for the discharge of scientists from the Armed Forces. Science, 1945, **102**: 259.—**Scientific** men and national service. Ibid., 1917, **46**: 233.—**Sturtevant, E. H.** The scholar in wartime. Bull. Am. Ass. Univ. Professors, 1942, **28**: 605–10.—**Thiesmeyer, L. R.** The civilian specialist goes up front. In his Combat Scientists, Bost., 1947, 3–32. ——— Basic training for the field man. Ibid., 70–82. ——— Putting the scientist into uniform. Ibid., 83–98. ——— Keeping out of trouble. Ibid., 99–105.—**White, M. W.** Scientific and technical enlisted men in the Army. Sc. Month., 1948, **67**: 47–9.—**Wigodsky, H. S.** Scientists, scientific societies, and the Armed Forces. Science, 1949, **110**: 135–7.

—— Organization.

See also **Research,** Organization; **Science Mobilization Act.**

Compton, K. T. Organization of American scientists for the war. Proc. R. Soc., Lond., ser. A, 1943–44, **182**: 1–17. Also Nature, Lond., 1943, **151**: 601–6. Also Science, 1943, **98**: 71; 93.—**Lundberg, G. A.** Scientists in wartime. Sc. Month., 1944, **58**: 85–95.—**Paton, S.** Mobilizing the brains of the nation. Ment. Hyg., Concord, 1917, **1**: 334–44.—**Scientific** men in war-time. Nature, Lond., 1942, **150**: 65–7.—**Scientists** and the war effort [Parliament] Vet. Rec., Lond., 1942, **54**: 322.—**Soviet** scientists drop research for defense work. Science News Lett., 1941, **40**: 57.—**Thiesmeyer, L. R.** Scope of the Office of Field Service. In his Combat Scientists, Bost., 1947, 33–54.—**Use** of science and scientific workers in the war. Nature, Lond., 1942, **149**: 130–2.

—— Societies.

[Japan] Supreme Commander for the Allied Powers. Economic and Scientific Section. Scientific and technological societies of Japan; organization and history of activities to April 1947. Pt 1. 87 l. 8° Tokyo, 1947.

United States. National Research Council. International scientific congresses held since

1930, or announced for 1941 or later. 46p. 27cm. Wash., 1941.

Mohr, C. E. Attitudes of state academies toward wartime meetings. Science, 1943, **97**: 217.—**Scientific** societies in war time. Ibid., 1941, **93**: 84–6.

SCLERA.

See also **Eye.**

Hayman, J. M., jr. Atabrine pigmentation of the sclera. Bull. U. S. Army M. Dep., 1944, No. 82, 120.—**Huzita, H.** Syusyō ōda ni yoru myakurakumaku haretu no iti rei [Ueber einen Fall von Ruptur der Sklera durch einen Schlag] Kaigun gun-ikai zassi, 1938, **27**: 115–9, pl.—**Milenkovich, M.** [Subconjunctival migration of lens after rupture of the sclera] Voj. san. glasnik, 1931, **2**: 533–59.

SCLERODERMA.

Hoechstetter, S. Sclerodactylia, report of a case. Mil. Surgeon, 1938, **82**: 321–4.—**McLaughlin, R. R. M.** Diffuse scleroderma; a case report. U. S. Nav. M. Bull., 1944, **42**: 921.—**Rösgen, W., & Mamier.** Ueber einen Fall von Sklerodermie im Anschluss an Erfrierung. Bull. War M., Lond., 1942–43, **3**: 312 (Abstr.)—**Thompson, A. W., & Muilenburg, R. A.** Scleroderma with apparent gastric involvement. Bull. U. S. Army M. Dep., 1949, **9**: 929–33.

SCOPOLAMINE.

Keil, F. C., jr. The effect of oral doses of hyoscine (scopolamine) on visual efficiency. 6p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 157, U. S. Air Force School Aviat. M. Also Forms No. 219, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Lühr & Rietschel, H. G. Herstellung von sterilen Scopolaminampullen und ihre Untersuchung auf chemischem und pharmakologischem Wege (Scopolamin hydrobromid 0,03 g in 100 ccm) Veröff. Heer. San., 1938, H. 106, 5–27.—**Zarecky, S. G.** Rody v dremotnom sostojanii, skopolamino-morfijnyj poluson. Izvet. Voen. med. akad., S. Peterb., 1910, **20**: 249; 391.

SCORPION.

See also **Poison,** animal.

Caius, J. F., & Mhaskar, K. S. Notes on Indian scorpions. Field M. Bull. U. S. Army, N. Delhi, 1942, **1**: 38–40 (Abstr.)—**Tawara, R.** Sasori siseki no tiryō ni tuite [Treatment of the wounds caused by scorpion stings] Kaigun gun-ikai zassi, 1941, **30**: 556.

SCOTOMA.

See **Blind; Retina;** also **Vision.**

SCOTOMETER.

See **Night-vision tester.**

SCOTOPIC vision.

See **Night vision.**

SCREENING.

See **Neuropsychiatric examination,** Screening.

SCROTUM.

See also **Genitals,** Injury.

Dor, T. Notes sur un cas d'éléphantiasis du scrotum observé à Tuléar (Madagascar) Caducée, Par., 1910, **10**: 64.—**Frankland, A. W.** Deficiency scrotal dermatitis in P. O. W.'s in the Far East. Brit. M. J., 1948, **1**: 1023–6.—**Jourdran & Buffon.** Eléphantiasis du scrotum; oschéotomie par la méthode d'Ali-Bey. Arch. méd. nav., Par., 1897, **67**: 370–3.—**Laval, E.** Eléphantiasis du scrotum; oschéotomie; guérison. Caducée, Par., 1902, **2**: 76–8.—**O'Connor, G. B.** Plastic repair following scrotal gangrene; report of a case. U. S. Nav. M. Bull., 1945, **44**: 1060–2.—**Santoboni, U.** Autolesionismo; due casi di enfisema dello scroto. Gior. med. mil., 1942, **90**: 914–8.

SCRUB sink.

See under **Surgical equipment.**

SCRUB typhus.

See **Rickettsiasis (orientalis)**

SCURVY.

See also **Deficiency disease; Vitamin deficiency.**

Bofinger. Einige Mitteilungen über Skorbut. Deut. mil. ärztl. Zschr., 1910, **39**: 569–82.—**Boral, H.** Einige Bemerkungen über Skorbut und Ernährungsfragen im Kriege. Med. Klin., Berl., 1917, **13**: 89–91.—**Dimić, J., & Jocković, M.** [On the question of scurvy in the dog] Voj. san. glasnik, 1939, **10**: 695–9.—**Drenkhahn.** Bemerkungen zu dem Aufsatze des Herrn Stabsarzt Dr Bofinger: Einige Mitteilungen über den Skorbut. Deut. mil. ärztl. Zschr., 1910, **39**: 871.—**Edgar, W. H.** An early case of scurvy. J. R. Nav. M. Serv., 1917, **3**: 227.—**Faehndrich.** Scurvy. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 170–2.—**Goncharenko, D. M.** Etiologija cyngi, pričiny razvitija eja v častjakh vojsk i lečenie. Voen. med. J., S. Peterb., 1909, **226**: Med. spec. pt, 593–616.—**Krstic, J.** [Case of scurvy] Voj. san. glasnik, 1937, **8**: 493–6.—**Levine, V. E.** Scurvy, the soldier's calamity. Mil. Surgeon, 1941, **89**: 140–55.—**Nakano, Y.** Barlow-si-byō no rinsyō-teki kansatu [Clinical observations on a case of Barlow's disease] Kaigun gun-ikai zassi, 1937, **26**: 542–5, 2 pl.—**Nelson, N. C.** Low-grade scurvy. U. S. Nav. M. Bull., 1944, **42**: 909.—**Rietschel.** Zur Frage der C-Hypovitaminose im Heer. Deut. Militärarzt, 1939, **4**: 1–5.—**Roddis, L. H.** The influence of scurvy upon maritime history. Mil. Surgeon, 1940, **86**: 444–52.—**Vovsi, M.** Cynga (skorbut) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 955–60.

—— Diagnosis.

Rousselet, J. *Contribution à l'étude de l'épreuve de Rotter comme test de carence C utilisable dans l'armée. 54p. 25cm. Lyon, 1940.

Resofszki, P. C vitamin szükséglet és hiány vizsgálata a hadseregben. Honvédorvos, 1950, **3**: 724–35.—**Vukšić, L.** [Value of measuring capillary resistance in scurvy] Voj. san. glasnik, 1938, **9**: 435–46.

—— Incidence.

Abstract from Captain James Cook, by Kitson (1907) J. R. Nav. M. Serv., 1940, **26**: 329–35, portr.—**Darío Quiroz, J.** Contribución al estudio del escorbuto en el Chaco y su profilaxis. Rev. san. mil., Asunción, 1937–38, **10**: 557–62.—**Dautheville.** Quelques observations de scorbut au Sahara. Arch. méd. pharm. mil., 1910, **56**: 161–70.—**Demole, M.** A propos de la carence en vitamine C dans l'armée. Zschr. Vitaminforsch., Bern, 1941, **11**: 121–8. Also Nutrit. Abstr., Aberdeen, 1941–42, **11**: 320. ——— Deficiency of vitamin C in the Swiss Army. Bull. War M., Lond., 1941–42, **2**: 330 (Abstr.)—**Disqué, L.** Entstehung und Verlauf des Skorbuts im Jahre 1916 unter den deutsch-österreichischen Kriegsgefangenen in Taschkent (Turkestan) Med. Klin., Berl., 1918, **14**: 10–3.—**Fisichella, G. B.** Considerazioni su un focolaio epidemico di scorbuto tra gli ascari eritrei. Gior. med. mil., 1928, **76**: 518–21.—**Giugni, F.** La porpora emorragica scorbutiforme ad andamento epidemico in alcuni reparti di truppe combattenti. Riforma med., 1918, **34**: 22–9.—**Golden, W. R. C.** Vitamin C status of troops in the tropics. Bull. U. S. Army M. Dep., 1945, **4**: 710–7.—**Kramer, W.** Beitrag zur Frage des C-Vitamin-Gehaltes der Kartoffeln aus Grossküchen mit besonderer Berücksichtigung der Bedeutung der C-Hypovitaminose als ätiologischer Faktor für die Paradentose. Deut. Militärarzt, 1938, **3**: 465–73.—**Molnár, E.** [Scurvy among war-prisoners] Gyógyászat, 1919, **59**: 326–30.—**Reals, W. J.** Scurvy at Fort Atkinson, 1819–20. Bull. Hist. M., 1949, **23**: 137–54.—**Roberts, L. J.** Scurvy; report of case [at sea] U. S. Nav. M. Bull., 1927, **25**: 126–8.—**Stockman, R.** James Lind and scurvy. J. R. Nav. M. Serv., 1927, **13**: 81–98.—**Trotter, T.** Extracts from Observations on the Scurvy, 1792. Ibid., 1937, **23**: 230–5.—**Vukšić, L.** [Epidemic of scurvy in a Roumanian regiment] Voj. san. glasnik, 1937, **8**: 492.—**Wiingaard, P.** Skørbug blandt danske soldater? Militaerlaegen, 1943, **49**: 27–31.

—— Pathology.

Pirani, C. L., Bly, C. G., & Sutherland, K. Report of the mechanism, course, and pathological changes of scorbutic arthropathy in the guinea pig. 38 l. 27cm. Chic., 1949.

Forms No. 61, Rep. U. S. Army M. Nutrit. Laborat.

Adler, H. F. The effect of explosive decompression on vitamin C deficient guinea pigs. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 32.—**Anfimov, V. J.** Sluchaj skorbutičeskago polinevrita. Voen. med. J., S. Peterb., 1914, **240**: Med. spec. pt, 224–32.—**Buchanan, J. W.** Hypovitaminosis C and infective gingivitis. J. R. Nav. M. Serv., 1943, **29**: 249–55.—**Faber, F.** Die C-Hypovitaminose in ihrer Beziehung zu den entzündlichen Veränderungen des Zahnfleisches. Deut. Militärarzt, 1942, **7**: 372–7.—**Szulc, G., Kolodziejska, Z., & Duszyńska, J.** [Ulcers of the intestinal tract in experimental scurvy] Lek. wojsk., 1936, **27**: 529–38.

—— Prevention and treatment.

Demole, V. Prophylaxie de l'hypovitaminose C dans la population et l'armée. Rev. méd. Suisse rom., 1940, **60**: 953–60.—**Etiologie** et prophylaxie du scorbut; conclusions du

Royal Society Food (War) Committee, 1918. Arch. méd. pharm. nav., 1919, **107**: 144.—**Ferro-Luzzi, G., & Rosi, V. E.** Il fattore antiscorbutico nella razione alimentare delle nostre truppe di colore. Gior. med. mil., 1937, **85**: 395–8.—**Gatti, C., Méndez, P., & Knallinsky, A.** El escorbuto y la carne. Rev. san. mil., Asunción, 1935, **7**: No. 69; 3–8.—**Kadykov, B. I., & Verasko, N. V.** Profilaktićeskaja C vitaminizacija. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 369–72.—**Martishenia, A. I., & Tarkhov, V. S.** Sauerkraut as anti-scorbutic vitamine supply] Tr. Acad. mil. méd. Kiroff, 1934, **1**: 357–61.—**Priston, J. L.** The prevention of scurvy in the Navy. Proc. R. Soc. M., Lond., 1925–26, **19**: Sect. War, 7–14. Also J. R. Nav. M. Serv., 1926, **12**: 1–20.—**Reitano, U., & Morselli, G.** Ricerche sul valore antiscorbutigeno di alcuni succhi di agrumi del commercio. Gior. med. mil., 1936, **84**: 134–51.—**Stern, O.** Moja iskustva sa skorbutom. Voj. san. pregl., Beogr., 1944, **1**: No. 2, 17.—**Stutz, L.** Kurze Mitteilung über die Skorbutprophylaxe des Meisters Johann Dietz (1665–1738) Deut. Militärarzt, 1942, **7**: 285.—**Tarkhov, V. S., & Martishenia, A. I.** [Germinating peas as anti-scorbutic vitamine supply] Tr. Acad. mil. méd. Kiroff, 1934, **1**: 364–8.—**Williamson, R. T.** Sir Richard Hawkins and the treatment of scurvy in the reign of Queen Elizabeth. J. R. Nav. M. Serv., 1925, **11**: 269–71.

SEABEES.

See **Construction battalion; Hospital Corps.**

SEAMAN.

See also **Nutrition service, naval; Recruit; Uniform.**

United States. Navy. Bureau of Medicine and Surgery. Index of references to physical examinations, physical requirements and physical standards for U. S. Navy, U. S. Naval Reserve, U. S. Marine Corps, and U. S. Marine Corps Reserve, as of 26 Sept. 1945. 31p. 26cm. Wash., 1945.

Thomas, G. E. The making of a bluejacket. U. S. Nav. M. Bull., 1938, **36**: 233–5, 2 pl.

—— Health and medical aspect.

See also **Dental care; Hygiene,** naval; **Medical care; Naval medicine; Ship,** Hygiene and sanitation.

Dental care in the Navy. Statist. Navy M., 1947, **3**: 4–6.—**Jones, J. H.** Diseases incident upon seamen, and their prevention. J. R. San. Inst., 1915, **36**: 124–31.—**Kasper, S. T.** Oral diagnosis in the Navy. Am. J. Orthodont., 1942, **28**: Oral Surg., 46–8.—**Lavinder, C. H.** The seaman as a patient: remarks on certain morbid conditions and diseases from which he frequently suffers: a possible field for preventive medicine. Mil. Surgeon, 1907, **20**: 484–92.—**Parker, E. G.** Keeping in touch with cases transferred from the ship. U. S. Nav. M. Bull., 1917, **11**: 362.—**Sandberg, H. T.** Laegeundersøkelse av sjømenn. Tskr. norske laegeforen., 1947, **67**: 235–7.—**Schlosser, M.** Charakteristische Wehrdienstbeschädigung-Vorkommen in der Kriegsmarine. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 102–11.—**Sick** mariners of England. Lancet, Lond., 1943, **2**: 308.—**Willcutts, M. D.** Care of dependents in the Navy. U. S. Nav. M. Bull., 1947, **47**: 777–84.

—— Nutrition.

See also **Nutrition service,** naval.

Campbell, J. Observations on dietary conditions on H. M. C. ships. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 83–5. ——— & **Reed, E. J.** The ascorbic acid and calcium contents of the foods served on H. M. C. ships. Ibid., 87–9.—**Nutrition** survey of the mess at the Naval Training Station, Bainbridge, Maryland, 22 February to 6 March 1944. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 11.—**Nutrition** survey of the mess at the Naval Training Station, Norfolk, Virginia, 2–16 May 1944.—Ibid., 11.—**Watt, J. G., & Reed, E. J.** Clinical and laboratory studies of nutrition, H. M. C. S. Avalon, St. John's Newfoundland and other H. M. C. ships. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 101–12.

—— Psychological and psychiatric aspect.

See also **Discipline; Psychology,** Personnel psychology.

Ekblad, S. M. *A psychiatric and sociologic study of a series of Swedish naval conscripts [Karolinska inst.] 201p. 24cm. Kbh., 1948.

Also forms Suppl. 49, Acta psychiat. neur., Kbh.

Burdon, J. F. A psychiatric survey of naval personnel. J. R. Nav. M. Serv., 1945, **31**: 248–52.—**Chappell, R. A.** The treatment of naval offenders, war and postwar. J. Crim., Chic., 1947–48, **38**: 342–51.—**Gardner, G. E., & Goldman, N.** Childhood and adolescent adjustment of naval successes and failures. Am. J. Orthopsychiat., 1945, **15**: 584–96.—**Psychological** testing and research in the Bureau of Naval Personnel; work of the Navy's Test and Research Section. Psychol. Bull., 1945, **42**: 433–44.—**Rodger, A.** The work of the Admiralty psychologists. Occup. Psychol., Lond., 1945, **19**: 132–9.—**Stevenson, I.** A bibliography of naval clinical psychology. Psychol. Bull., 1945, **42**: 390–2.—**Teicher, J. D.** Psychopathology of a selected population of naval offenders. Am. J. Psychiat., 1944–45, **101**: 726–30.

SEA sickness.

See also **Air sickness; Kinetosis.**

Alfano, V. Patogenesi, prognosi e terapia del mal di mare; deduzioni semiologiche e cliniche da osservazioni personali nelle traversate oceaniche a bordo della R. Nave Urano. Ann. med. nav., Roma, 1926, **1**: 221–7.—**Benedict, E. B., & Schwab, R. S.** Gastroscopic studies in naval personnel with chronic seasickness. N. England J. M., 1945, **233**: 237.—**Bohec, J.** Mémoire sur la pathogénie du mal de mer. Arch. méd. pharm. nav., 1932, **122**: 339–73.—**Brooks, M.** Seasickness. U. S. Nav. M. Bull., 1939, **37**: 469–80.—**Ehrenfreund, E.** Due parole sulla patogenesi del mal di mare. Ann. med. nav., Roma, 1926, **2**: 342–4.—**Elder, A. V.** Notes on seasickness. J. R. Nav. M. Serv., 1931, **17**: 178–89.—**Escalier, J. A. E.** Essai psychophysiologique sur le genèse, le mécanisme et le traitement du mal de mer. Arch. méd. pharm. mil., 1929, **90**: 363–77.—**Fields, W. S.** Observation of seasickness trials off U. S. Pacific coast. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 149.—**Humphreys, L.** Seasickness. U. S. Nav. M. Bull., 1937, **35**: 293–7.—**Keevil, J. J.** Seasickness. J. R. Nav. M. Serv., 1935, **21**: 216–31.—**Mola, G.** Il mal di mare. Ann. med. nav., Roma, 1911, **17**: 121–34.—**Phalen, J. M.** On seasickness. Mil. Surgeon, 1944, **94**: 46.—**Popov, A.** Ukaćivanie. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 636–9.—**Poppen, J. R.** Seasickness; etiology and treatment. U. S. Nav. M. Bull., 1939, **37**: 463–9.—**Pumphrey, R. E., Kuh, J. R.** [et al.] Unusual conditions aggravated by seasickness; report of two cases. Ibid., 1946, **46**: 742.—**Sargent, W. S.** Seasickness from a patient's viewpoint. Ibid., 1939, **37**: 480–6.—**Schlichting.** Konstitution und Seekrankheit. Deut. Militärarzt, 1937, **2**: 119–23.—**Schwab, R. S.** Chronic seasickness; neurological, psychiatric, and naval aspects. U. S. Nav. M. Bull., 1942, **40**: 923–36.—**Trocello, E.** Etiologia patogenesi e cura del mal di mare. Ann. med. nav., Roma, 1926, **1**: 269–88.

—— Prevention.

Tyler, D. B. A comparison of the efficacy of Motion Sickness Preventative, Army Development type, Seasickness Remedy, R. C. N. type, and 0.6 mg. of hyoscine in preventing seasickness during landing craft operations. 8p. 28cm. Wash., 1944.

Forms No. 300, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

——— Preliminary studies on the efficacy of V–12 preparations and prostigmin preparations in preventing seasickness during ship-to-shore operations; the effect of administration of 4 gr. of V–12 on rapid fire marksmanship. 4p. 28cm. Wash., 1944.

Forms Rep. No. 323 of preceding research project.

——— Effect of Motion Sickness Preventative, Army Development Type, and Seasickness Remedy, RCN Type on marksmanship. 6p. 28cm. Wash., 1944.

Forms Rep. No. 336 of preceding project.

Hill, I. G. W., & Guest, A. I. Prevention of sea-sickness in assault craft; a report of experiments under tropical conditions. Brit. M. J., 1945, **2**: 6–11.—**Rukhman, A. V.** O vozdušnom ukaćivanii i merakh borby s nim. Voen. san. delo, 1941, 26–32.

—— Susceptibility.

Birren, J. E., & Fisher, M. B. Further studies on the prediction of susceptibility to seasickness by a motion sickness questionnaire. 26p. 26½cm. Bethesda, 1945.

Forms Rep. No. 6, Res. Proj. X–278, U. S. Nav. M. Res. Inst.

——— & Stormont, R. T. An evaluation of a motion sickness questionnaire in predicting susceptibility to seasickness. 12p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2 of preceding research project.

Birren, J. E., & Morales, M. F. Observations on men highly suseeptible to seasiekness with remarks on periodic motion of ships. 23p. 26½cm. Bethesda, 1945.
Forms Rep. No. 5 of preceding project.

Birren, J. E., Stormont, R. T., & Pfeiffer, C. C. Reactions to neostigmine and apomorphine as indication of susceptibility to seasiekness. 9p. 26½cm. Bethesda, 1945.
Forms Rep. No. 4 of preceding project.

Evaluation (An) of a motion sickness questionnaire in predicting susceptibility to seasickness. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 22.—**Further** studies on the prediction of susceptibility to seasickness by a motion sickness questionnaire. Ibid., 1945, July–Dec., 16.—**Observations** on men highly susceptible to seasickness with remarks on periodic motion of ships. Ibid., 14.—**Reactions** to neostigmine and apomorphine as indication of susceptibility to seasickness. Ibid., 14.

—— Treatment.

Amouroux, P. Traitement du mal de mer par les seasickness tablets. Rev. méd. nav., Par., 1947, **2**: 167.—**Keevil, J. J.** Benzedrine in sea-sickness. J. R. Nav. M. Serv., 1938, **24**: 219–22.—**New** remedies for seasickness. Milit. Rep., Wash., 1944, No. 16, 24–7.—**Rómez-Guilliez.** Contribution à l'étude du traitement préventif de la naupathie. Gaz. hôp., 1933, **106**. 1791–4.

SEAT.

See also **Aircraft** subheadings (Comfort; Design)

Darcus, H. D., & Weddell, A. G. M. Some anatomical and physiological principles concerned in the design of seats for naval war-weapons. Brit. M. Bull., 1947, **5**: 31–7.—**Oshima, M., & Otsuki.** Seating comfort problems in [JNAF] aircraft. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 222, 1.—**Takahashi, J.** Seating comfort problems in aircraft, JAAF. Ibid., No. 235, 1.

SEAT catapult.

See also **Aircraft,** Ejection seat.

Geertz, A. *[Grenzen und Sonderprobleme bei der Anwendung von Sitzkatapulten] Limits and special problems in the use of seat catapults. 56, xxxxi l. 27cm. Heidelb., 1946.
Forms No. 2, Transl. U. S. Air Force Aero M. Centr., Heidelb.

SEAT ejection.

See also **Acceleration,** vertical; **Aircraft,** Ejection seat; also preceding heading.

Ames, W. H., & Savely, H. E. Motion of the head during simulated seat ejection. 10p. 27cm. Dayton, 1948.
Forms No. MCREXD–695–66I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

SEATING safety.

See under **Air travel.**

SEA water.

For its desalination see also **Permutit.** See also **Sulfur.**

Nicholas, F., & Sissenwine, N. Dew point and sea surface temperature. 17 l. 27½cm. Wash., 1949.
Forms No. 145, Envir. Protect. Sect. Rep. U. S. Quartermast. Gen.

Huitric. Caractères physiques et chimiques de l'eau de mer. Rev. méd. nav., Par., 1948, **3**: 321–7.—**Process** for laundering with sea water. Bull. U. S. Army M. Dep., 1944, No. 81, 7.—**Sutō, S., & Dosyō, H.** Yokosuka gunkō kō-nai kaisui yori sekiri-kin wo bunri-seru iti rei [Ueber einen Fall der aus Seewasser von Yokosuka Kriegshafen isolierten Y-Typus-Dysenteriebazillen] Kaigun gun-ikai zassi, 1938, **27**: 475–8.—**Takao, R., & Kondō, Y.** Kaisui syori-sō sō zairyō narabi-ni kaisui no sōsyō tiyu ni oyobosu eikyō no kiso-teki kenkyū [Treating material for wounds prepared with sea-water, and basic studies on the effect of sea-water on the healing of incised wounds] Ibid., 1940, **29**: 238–49, 2 pl.

—— Potability.

See also **Shipwrecked,** Water; **Water supply.**

Consolazio, W. V., & Pace, N. An appraisal of some deviees for obtaining drinking water from the sea under actual eonditions on inflatable life rafts. 28p. 26½em. Bethesda, 1943.
Forms Rep. No. 2, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Hopkins, J. S., & Rohrback, J. An evaluation of the practieability of various methods of determining the potability of processed sea water on life rafts. 6p. 27cm. Bethesda, 1946.
Forms Rep. No. 15 of preceding project.

United States. Naval Medical Research Institute. Research project X–100 (Gen. 15) Potability of sea water after desalination. 14 nos. 26½em. Bethesda, 1943.

CONTENTS

1. Chemical report on D. S. (De-Salinating) Kit; drinkability of de-salinated sea water demineralized by D. S. (Goetz) Kit. Ivy, A. C., Futcher, P. H. [et al.] 16 l.
2. An improved method for chemical demineralization of sea water. Consolazio, W. V., & Spealman, C. R. 11 l.
3. A comparison of the methods now available for scouring drinking water at sea in a rubber raft. Ivy, A. C. 7 l.
4. Examination of a method for rendering sea water drinkable submitted by the National Aluminate Corporation and the Red Jacket Manufacturing Corporation. Ivy, A. C., & Davis, F. H. 7 l.
5. The effect of drinking unmodified sea water, and a comparison with the effects of drinking D–S (Goetz) water and a limited supply of fresh water. Futcher, P. H., Consolazio, W. V., & Pace, N. 21 l.
6. Minimal water and salt requirements in fasting men. Consolazio, W. V., & Pace, N. 33 l.
7. Studies on the toxicity and physiologic value of N. M. R. I. demineralized sea water. Consolazio, W. V., & Spealman, C. R. 17 l.
8. Availability of chemicals required for the Naval Medical Research method of demineralizing sea water, and an improved method for purification of uric acid. Consolazio, W. V. 5 l.
9. Desirability and selection of a liquid emergency abandon ship ration. Consolazio, W. V., & Pace, N. 19 l.
10. A procedure, and equipment for demineralizing sea water aboard life rafts. Consolazio, W. V. 8 l.
11. Recommendations regarding abandon ship rations. Consolazio, W. V., & Pace, N. 3 l.
12. The condensation of water from expired air; an evaluation of the Armbrust Cup as a means of providing water for life-rafts and floats. Rev. Fauley, G. B. 17 l.
13. The tablet life ration for the shipwrecked. Ivy, A. C. 17 l.
14. Demineralization of sea water by permutit (DeSelit) Consolazio, W. V. 9 l.

White, W. A., jr, & Consolazio, W. V. An appraisal of the drinking water kit for making drinking water from sea water (Buaer contraet No. a(s) 2460) 7p. 27cm. Bethesda, 1944.
Forms Rep. No. 6, Res. Project X–127, U. S. Nav. M. Res. Inst.

Appraisal (An) of the British permutit kit for desalination of sea water and a comparison with the U. S. Navy kit. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 7.—**Appraisal** (An) of the drinking water kit for making drinking water from sea water. Ibid., 5.—**Can** shipwreck survivors utilize sea water? U. S. Nav. M. Bull., 1943, **41**: 537.—**Consolazio, W. V., Pace, N., & Ivy, A. C.** Drinking water from sea water. Annual Rep. Smithson. Inst. (1945) 1946, 153–63, 2 pl.—**Demineralization** of sea water. Hosp. Corps Q., 1943, **16**: No. 3, 143.—**Drinking** water at sea. Air Sea Rescue Bull., 1944, 3–8.—**Elkinton, J. R., & Winkler, A. W.** Physiologic effects of drinking undiluted sea water. War Med., Chic., 1944, **6**: 241–6.—**Evaluation** (An) of the practicability of various methods of determining the potability of processed sea water on life rafts. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 2.—**Life** raft drinking water. Bumed News Lett., Wash., 1945, **5**: No. 8, 17–9.—**Mitscherlich, A., & Mielke, F.** Die Versuche zur Trinkbarmachung von Meerwasser. In: Diktat d. Menschenveracht. (Mitscherlich, A.) Heidelb., 1947, 52–60.—**Seawater** for drinking. Mil. Surgeon, 1943, **93**: 206.—**Vacino, E., & Visintin, B.** Acqua potabile mediante il congelamento dell'acqua di mare. Rendic. Ist. sup. san., Roma, 1944, 7: 308–49.—**Wrenshall, G. A.** Report on efficiency tests made with preliminary experimental model AHY–CGT; a devicc for obtaining drinking water from sea water by freezing. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 169–78.

SEA-WATER hazard.

See **Evaporator.**

SEBACEOUS gland.

Fishman, J. Treatment of infected sebaceous cysts. U. S. Nav. M. Bull., 1946, **46:** 917.—**Gray, G. A.** A case of multiple sebaceous cysts. Ibid., 1918, **12:** 722, pl.—**López González, J., & Angel Mazza, M.** Enfermedad de Balzer-Brooke. Rev. san. mil., B. Air., 1941, **40:** 144–8.

SECRECY [professional]

See also **Physician,** Responsibility; **Medical service.**

Costedoat, A. L. D. Le secret médical dans l'armée. Arch. méd. pharm. mil., 1931, **95:** 103–16.—**Crofton, G. H.** Privileged communications. Med. Bull. Veterans Admin., 1933, **9:** 400–5.—**Jeandidier.** Le secret médical dans l'armée. Bull. Soc. méd. mil. fr., 1920, **14:** 92–102.—**N.** Regrettable accusation. Bull. méd., Par., 1906, **20:** 487.—**Simonin, J.** Le secret médical dans l'armée. Bull. Soc. méd. mil. fr., 1907, **1:** 634–46; Disc., 675–81. Also J. hyg., Par., 1908, **34:** 78; passim.

SECURITY sense.

See **Aviator,** Training.

SEDATIVE.

See also **Aviator,** Drugging; **Narcotic.**

Smith, P. K. Effects of some central nervous system depressing drugs on intellectual and psychomotor performance at 18,000 feet with and without supplementary oxygen [8] l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 221, U. S. Air Force School Aviat. M.

Beecher. Investigation on sedatives. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 31–9.

SEIZURE.

See **Epilepsy.**

SELECTEE.

See also subsequent headings; also **Disease**—by specific types: Allergy; **Medical examination,** Organization; **Neuropsychiatric examination; Rehabilitation,** Recruits; **Rejection** and its subheadings.

Carp, L. The battle of Grand Central Palace; observations at an induction station. Mil. Surgeon, 1948, **102:** 285–91.—**Rioch, D. McK., Jacobsen, C. F.** [et al.] Consideration of the registrant as a person by members of the local boards. Psychiatry, Balt., 1941, **4:** 331–6.—**Sandler, H. C.** A plan to improve the physical status of selectees for military training prior to induction. N. York J. Dent., 1949, **19:** 193–6.

SELECTEE index.

See under **Neuropsychiatric examination.**

SELECTION.

See also as subheading under **Aviator; Occupational specialty; Officer; Personnel; Recruit;** also **Radar operator.**

Baxter, J. P., III. Selection and training. In his Scientists Against Time, Bost., 1946, 395–403.—**Bingham, W. V., & Harrell, T. W.** Selection of men. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 225–63.

SELECTION board.

See also **Recruiting board; Selective Service physician.**

United States. Selective Service System. Local Board memorandum No. 51, 80–A, 115, 123, 129, 141–A, 164, 164–C, 178, 181. 23 l. 23cm. Wash., 1943.

Garforth, F. I. D. War Office Selection Boards (O. C. T. U.) Occup. Psychol., Lond., 1945, **19:** 97–108.—**Rodger, T. F.** Organization and work of the War Office Selection Boards. In: Interallied Conf. War Med. (1942–45) 1947, 215–9.—**Wylie, S. M.** The work of Selective Service boards of the United States in the great war; our post-war obligations. Illinois M. J., 1919, **36:** 177–80.

SELECTIVE Service.

See also **Draft; Recruiting; Universal military training.**

United States. Selective Service System. Registration, rev. June 9, 1941. 22p. 23½cm. Wash., 1941.

—— Activity and occupation bulletin No. 1–35. 76 l. 23cm. Wash., 1943.

—— Selective Service manual. Packet 2–7 of supplementary pages containing amendment No. 126, 127, 129–146. 67 l. 23cm. Wash., 1943.

—— Transmittal memo No. 2–14. 18 l. 23cm. Wash., 1943.

B., G. H. Selective Service policies. Rev. Sc. Instrum., 1942, **13:** 315–25.—**Brain** waves and selective service. Med. Rec., N. Y., 1942, **155:** 1.—**Cronin, J. W.** Selection of prisoners for the Armed Forces. J. Am. M. Ass., 1944, **125:** 595.—**Digest** and summary of Selective Service procedure. J. Am. Osteopath. Ass., 1941–42, **41:** 343–52.—**Eanes, R. H.** The Selective Service system. Mississippi Doctor, 1941–42, **19:** 12–7.—**Hershey, L. B.** An address. J. S. Carolina M. Ass., 1942, **38:** 147–51.—**Patterson, R. P.** Selective civilian war service. Congressional Rec., 1943, **89:** A2016–8.—**Review** of the induction experience under the Selective Service Act of 1948. Health U. S. Army, 1949, **4:** No. 4, 2–9.—**Rowntree, L. G.** A more effective choice of selectees from the standpoint of National Headquarters. Pennsylvania M. J., 1941–42, **45:** 1267–70.

—— Some problems of Selective Service. Mil. Surgeon, 1942, **90:** 238–45.—**Selective** Service policies; dependency classification. Rev. Sc. Instrum., 1942, **13:** 379–83.—**Sukov, M.** The prisoner in wartime. J. Crim. Psychopath., 1942–43, **4:** 465–71.

—— Deferment.

See also **Medical student,** Deferment; **Physician,** Deferment.

United States. Selective Service System. Numerical index to Medical Defect Code; report of physical examination study [for use with DSS Form 200, DSS Form 221, and WD, AGO Form 221] 364p. 28cm. Wash., 1942.

—— Executive Order 9309: Controlling government requests for the Selective Service deferment of Federal employees. 5p. 23cm. Wash., 1943.

Adams, E. S. Cancel deferments of reserve officers who are Federal employees. Illinois M. J., 1942, **81:** 95.—**Bier, R.** The future of medicine in Selective Service. Mississippi Doctor, 1942–43, **20:** 27–31.—**Dentists** and Selective Service. J. District of Columbia Dent. Soc., 1941, **15:** No. 3, 12–4.—**Hukayama, T.** Zin-teki senryoku to isi no simei [Man-power for war purposes and the duties of medical practitioners] Nippon rinsyō, 1943, **1:** 752.—**McDermott, A. V.** Selective Service and the married man. Marriage & Family Liv., 1942, **4:** 29.—**Medicine** and the war; health and welfare services. J. M. Ass. Alabama, 1942–43, **12:** 237.—**More** men, women and physicians called up. J. Am. M. Ass., 1942, **119:** 279.—**Selective** Service bulletin on physicians, dentists, veterinarians, osteopaths, students and preprofessional students. Dent. Outlook, N. Y., 1943, **30:** 76.—**Thomann, J.** Der Militärdienst der Sanitätsoffiziere und der Studenten der Heilkunde, Schweiz. Apoth. Ztg, 1928, **66:** 159–63.—**Wells, C. R.** Selective Service and its application to dentistry. J. Am. Dent. Ass., 1943, **30:** 109–14.—**Winberg, A. O.** [Is the present individual consideration given to students in compulsory military service satisfactory?] Tskr. mil. hälsov.. 1933. **58:** 9–26.

—— Medical, health, and social problems.

See also **Defect; Recruiting statistics; Rejection.**

United States. Selective Service System. Medical circular. Wash., No. 1, 1941–

United States. War Department. Mobilization regulations, MR 1–9: Standards of physical examination during mobilization. 53p. 23cm. Wash., 1942.

Beukema, H. Social and political aspects of conscription; Europe's experience. Mil. Affairs, 1941, **5:** 21–31.—**Camara Leal.** Possivel convocação de incapazes relativos. An. Hosp. centr. exerc., Rio, 1942, **7:** 43–6. Also Rev. méd. brasil., 1944, **16:** 191–5.—**Campbell, C. M.** Selective Service system; psychiatric notes on selectees and their families. Arch. Neur. Psychiat., Chic., 1942, **47:** 1079–82.—**Currier, D. E.** Medical and psychiatric problems of Selective Service. J. Maine M. Ass., 1942, **33:** 65–71.—**DeWitt, P.** Some observations on the Selective Service system. J. Tennessee M. Ass., 1919–20, **12:**

182–4.—**Directive** for conducting screening examinations. J. Kansas M. Soc., 1941, **42**: 528.—**Folk, O. H.** Selective service's medical statistics program. J. Am. Statist. Ass., 1942, **37**: 425–9.—**Frankel, E.** Neuropsychiatric screening of Selective Service registrants in New Jersey. In: Trends of Ment. Dis. (Am. Psychopath. Ass.) N. Y., 1945, 102–14.—**Hershey, L. B.** Medicine and Selective Service. J. Am. M. Ass., 1941, **117**: 1894–7. Also Ohio M. J., 1941, **37**: 1187–91. ——— The Selective Service and its medical problems. J. Am. M. Ass., 1942, **119**: 1205.—**Jager, H. A.** Plan for locating emotionally unstable youth; secondary schools to aid Selective Service. Occupations, 1943–44, **22**: 237–42.—**Kopetzky, S. J.** Experiences in the medical aspects of Selective Service. In: Spec. Rep. State. Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 93–5.—**Long, L. W.** Benefits Mississippi has derived from the Selective Service system. Mississippi Doctor, 1943–44, **21**: 89.—**Perrott, G. S. J.** Some public health implications of selective service rejections. Bull. N. York Acad. M., 1947, **23**: 420–35.—**Rapport, V. A.** Sociological implications of Selective Service. Am. Sociol. Rev., 1941, **6**: 225–9.—**Renfrow, L. H.** Dentistry in the Selective Service System. Mil. Surgeon, 1947, **101**: 423–31.—**Rowntree, L. G.** Symposium on war medicine; medical aspects of Selective Service. J. M. Soc. Co. New York, 1942, **1**: No. 35, 5–7. ——— The medical aspects of Selective Service. N. York J. Dent., 1942, **12**: 100–6. Also Texas J. M., 1942–43, **38**: 191–5. ——— Wartime medicine and Selective Service. Pennsylvania M. J., 1942–43, **46**: 194–201. ——— The medical needs of the war and the Selective Service System. Diplomate, 1943, **15**: 45–54. ——— Wartime problems of Selective Service. Mil. Surgeon, 1943, **92**: 149–62. ——— Fit to fight; the medical side of Selective Service. In: Doctors at War (Fishbein, M.) N. Y., 1945, 29–57.—**Saslaw, M. S.** Medical aspects of the Selective Service system. War Med., Chic., 1941, **1**: 486–92. ——— & **Junkermann, C. S.** Medical aspects of the Selective Service System; follow-up study. Ibid., 1942, **2**: 99–101.—**Soule, T. H.** Medical social workers and the Selective Service. Proc. Nat. Conf. Social Work., 1942, **69**: 268–75.—**Swift, L. B.** Social aspects of Selective Service. Social Work Yearb., N. Y., 1943, **7**: 455–62.—**Watters, T. A.,** & **Thompson, W.** Experience in Selective Service work. N. Orleans M. & S. J., 1942–43, **95**: 241–8.—**Whiteley, P. W.** Medical aspects of Selective Service in Colorado. Rocky Mountain M. J., 1941, **38**: 957–60.—**Wittson, C. L.,** & **Hunt, W. A.** Three years of naval selection. War Med., Chic., 1945, **7**: 218–21.—**Woodward, L. E.** Operation of the medical survey at national and state levels. Ment. Hyg., Alb., 1944, **28**: 578–86.—**Wynne, R. E.** Facts developed by Selective Service examinations. J. Indiana M. Ass., 1945, **38**: 229.

—— Organization.

See also **Selective Service physician.**

Colaboración entre las juntas del Servicio Selectivo y el Departamento insular de sanidad. Puerto Rico Health Bull., 1941, **5**: 209.—**Dunn, L.** How welfare offices assist Selective Service. Alabama Social Welf., 1941, **6**: No. 8, 1.—**Kubie, L. S.** Special aspects of procedures and organization for induction and discharge in the Canadian Army. War Med., Chic., 1944, **5**: 373–7.—**McGill, K. H.** The statistical program of the Selective Service System. J. Am. Statist. Ass., 1944, **39**: 10–20.—**New** (The) Selective Service registration. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1941, **2**: 464–6.—**Selective** Service planning between wars. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 73.—**Social** and welfare agencies aid Selective Service. Ibid., 143–5.

—— Regulations.

United States. Selective Service System. Regulations. 5v. 8° Wash., 1940.

CONTENTS

1. Organization and administration. 32p.
2. Registration. 17p.
3. Classification and selection. 35p.
4. Delivery and induction. 11p.
5. Finance. 31p.

SELECTIVE Service Act.

See also **Neuropsychiatric examination,** Importance; **Selective Service.**

Amendment to [Federal] Selective Training and Service Act. Connecticut M. J., 1940, **4**: 671.—**Eanes, R. H.** Medical problems in the administration of the Selective Service Act. Tr. Conf. State Terr. Health Off., 1941, 39. Conf., 47–63.—**Fairbank, L. C.** The effect of the Selective Service Act on the profession of orthodontics. Am. J. Orthodont., 1941, **27**: 507–9. Also Am. Ass. Orthodont. (1941) 1942, **39**: 188–90.—**Harness, F. A.** Administration of the Selective Service Act. Congressional Rec., 1943, **89**: A5063.—**Judicial** review of classifications under the Selective Service Act. Current Leg. Thought, 1941–42, **8**: 295–8.—**McKenzie, C. E.** Administration of the Selective Service Act. Congressional Rec., 1943, **89**: A5268.—**Murray** (The) amendment to the Selective Training and Service Act of 1940, Senate bill 783. Hosp. Progr., 1941, **22**: 109–14. Also Hospitals, 1941, **15**: No. 4, 60.—**Selective** compulsory military training and service bill. J. Am. Osteopath. Ass., 1940–41, **40**: 16.—**Selective** Training and Service Act. J. Am. M. Ass., 1941, **116**: 1298.—**Spruit, C. B.** Administration of the Selective Service Act. Tr. Conf. State Terr. Health Off., 1940, Spec., 79–89.—**Sturgeon, J. H.** The physician's duties under the Selective Service Act. North Carolina M. J., 1940, **1**: 636–9.—**Vaughan, V. C.** The Selective Service Act and its lessons. J. Laborat. Clin. M., 1918–19, **4**: 511–6.

—— Violation.

Part 642: Delinquents. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 180–2.—**Part 662**: Penal institutions. Ibid., 188.—**Pescor, M. J.** A study of Selective Service Law violators. Am. J. Psychiat., 1948–49, **105**: 641–52.—**Southard, C. G.,** & **Hurley, J. R.** Selective Service violators. Ibid., 1944–45, **101**: 661–7.

SELECTIVE Service physician.

See also **Recruiting board,** Medical members; **Selection board.**

United States. Selective Service System. Report of the medical officer, New York City headquarters, Selective Service System, October 15, 1940 to May 8, 1945 (V–E day) 45p. 27½cm. Ann Arb., 1945.

Badger, E. B. Medical problems of Selective Service. Nebraska M. J., 1944, **29**: 268–73.—**Baehr, G.** Recommendations concerning reorganization of the medical work of Selective Service boards in New York and other large cities. In: Spec. Rep. State Health Prepar. Conf. (New York State Com. Health Progr.) Alb., 1941, 131–4.—[**Barnwell, E. H.**] Lieutenant Colonel E. H. Barnwell appointed medical aid to the Governor in Selective Service organization. J. S. Carolina M. Ass., 1940, **36**: 323.—**Bier, R. A.** The physician in Selective Service. Med. Ann. District of Columbia, 1941, **10**: 154–6. ——— The Selective Service System and the practice of medicine. J. Lancet, 1942, **62**: 15–8. ——— The physician and the war in relation to the Selective Service. J. Pediat., S. Louis, 1942, **20**: 768–73.—**Changing** medical functions in the wartime period. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 87–92.—**Doctor's** (The) place in Selective Service. Mississippi Doctor, 1940–41, **18**: 277.—**Eanes, R. H.** Relation of the medical profession to Selective Service. J. Lancet, 1941, **61**: 287–91.—**Hennessy, H. R.** Selective Service as it relates to the physician. J. Indiana M. Ass., 1949, **42**: 48–51.—**Hershey, L. B.** Selective Service and the medical profession. Ibid., 1942, **35**: 123–6.—**Hertzog, L. S.** Medicine's place in peace-time conscription. J. Am. Inst. Homeop., 1940, **33**: 552.—**Leigh, T. F.** I'm in the Army now! Med. Econom., 1940–41, **18**: No. 7, 40; passim.—**Lipscomb, W. N.** Some medical phases of Selective Service. Kentucky M. J., 1941, **39**: 240–5.—**Lorenz, W. F.** The physician in Selective Service. Wisconsin M. J., 1940, **39**: 861–5.—**Medical** (The) functions within Selective Service. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 1.—**Medical** (The) organization in 1917–18. Ibid., 7–30.—**Nichols, I. C.,** & **Williams, H. W.** A communication on Selective Service. Rhode Island M. J., 1941, **24**: 152.—**Origin** of the medical organization. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **1**: 3–6.—**Physician's** (The) part in the peacetime System. Ibid., 75–85.—**Recommendations** of doctors for board assignments, Selective Service in Florida. J. Florida M. Ass., 1940–41, **27**: 301.—**Rizzo, F. P.** A report from the Medical Division of the Selective Service of Louisiana. N. Orleans M. & S. J., 1941–42, **94**: 86–90.—**Rowntree, L. G.** The physician and Selective Service; the need for aid in increasing efficiency. Fed. Bull., Chic., 1941, **27**: 304–13. Also Proc. Congr. M. Educ., 1941, 13–6. ——— The physician in Selective Service. J. Am. M. Ass., 1941, **116**: 1722–5.—**Smith, W. B.** Connecticut medical Selective Service. Connecticut M. J., 1941, **5**: 221–3.—**Spruit, C. B.** Medical participation in Selective Service. J. Am. M. Ass., 1940, **115**: 1105–7. Also J. M. Ass. Alabama, 1940–41, **10**: 144–7. Also J. Tennessee M. Ass., 1940, **33**: 382–5. ——— The early development of the Medical Division, National Headquarters, Selective Service. Army M. Bull., 1941, **56**: 49–60.—**Stephenson, C. S.** Special medical service in the defense program. Ann. Int. M., 1941–42, **15**: 1–17.—**Trice, E. T.** Loyalty of Selective Service physicians. Virginia M. Month., 1942, **69**: 651.

SELFMUTILATION.

See under **Mutilation;** also **Wound,** self-inflicted.

SELLA turcica.

See under **Tumor.**

SEMECARPUS.

See also **Poison,** plant.

Hitch, J. M. Dermatitis venenata caused by Semecarpus atra. U. S. Nav. M. Bull., 1944, **42:** 1111–5.

SENEGAL.

See under **Hospital report.**

SENESCENCE.

See also **Recruit,** Age; also **Disability,** Evaluation; **Retirement.**

Age and its relation to organic efficiency. Mil. Surgeon, 1939, **85:** 530–2.—**Cahit, H.** (Aging) Askerî sıhhiye mecmuası, 1933, **62:** 148–64.—**Machado Cardenas, P.** Enfermedades de la vejez. Rev. san. mil., Habana, 1938, **2:** 34–9.—**Vokoun, F. J.** The art of growing old. Mil. Surgeon, 1936, **78:** 304–7.

SENSE organs.

See also **Acceleration,** Sense organs; **Anoxia; Perception;** also under names of sense organs as **Ear; Eye,** etc.

Bartlett, F. C. The relation of thresholds of sensory acuity to perceptual efficiency. 5 l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 636, Gr. Britain Flying Pers. Res. Com.

Dethier, V. G., & Chadwick, L. E. Chemoreception in insects; a review. 45p. 27cm. Edgewood Arsenal, 1948.

Forms Rep. No. **131,** Div. Chem. Corps, U. S. Army.

Corner, G. W. Sensory devices. In: Advance. Mil. Med., Bost., 1948, **2:** 747–54.—**Davis, H.** Symposium on the special senses in relation to military problems. Fed. Proc., Balt., 1943, **2:** 107–9.

SENSORY illusion.

See **Illusion.**

SENTENCE completion test.

See under **Neuropsychiatric examination,** Psychological tests.

SEPARATION.

See also **Medical examination,** terminal.

Jeter, H. R. Separation allowances for service men's families. Proc. Nat. Conf. Social Work., 1942, **69:** 276–89.—**Physical** examination prior to release from active duty or discharge from the Naval service [Form letter] Bumed News Lett., Wash., 1944, **4:** No. 13, 33.—**Sorum, A.** Dental treatment at a separation center. Bull. U. S. Army M. Dep., 1947, **7:** 786–9.

SEPARATION center.

See **Neuropsychiatric examination,** Organization; **Neurotic,** Discharge; **Separation.**

SEPSIS.

See also **Gonorrhea,** Complications; **Wound infection,** Sepsis.

Is focal sepsis a myth? Bull. Army M. Dep., Lond., 1944, No. 32, 8.—**Jiménez Hurtado, J.** Valor del cuadro hemático en los procesos sépticos. Med. & cir. guerra, 1948, **10:** 485–91.—**Kreps, E. M., & Chenykaeva, E. J.** Dykhatelnyj ferment ugolnaja anhidraza i ego značenie v diagnostike sepsisa. Voen. med. sborn., 1944, **1:** 14–38.—**MacCallan, A. F.** The eye as a danger signal of dental sepsis. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 121–3.—**Perlie, H. E.** A case of septicœmia. U. S. Nav. M. Bull., 1907, **1:** 160.—**Reissland.** Beachtenswertes für den truppenärztlichen Dienst (septische Krankheiten) Münch. med. Wschr., 1936, **83:** 1088–90.—**Sepsis.** In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 51–65.—**Septicemia.** Statist. Navy M., 1948, **4:** No. 6, 10–2.—**Soroko, N. K.** [Blood picture in septicemia] Tr. Acad. mil. méd. Kiroff. 1936. **7:** 23–31.

—— Etiology.

See also **Streptococcosis; Tonsillitis; Wound infection.**

Ziegler, E. Die Frühdiagnose und die operative Behandlung der tonsillogenen Sepsis. p.73–147. 23cm. Berl., 1939.

Veröff. Heer. San., 1939, **109:**

Andrieu, G., Crosnier, R., & Moutier, P. Un cas de septicémie à Bacillus foecalis alcaligenes. Bull. Soc. méd. mil. fr., 1936, **30:** 91–4.—**Bolzinger, R. L. F., & Cosserat, B. L. E.** Un cas de septicémie à entérocoque. Rev. Serv. san. mil., Par., 1936, **105:** 51–9.—**Breuil.** A propos d'un cas de septicémie à streptocoques. Arch. méd. pharm. nav., 1933, **123:** 550–7.—**Duffau.** Un cas de septicémie gonococcique. Bull. Soc. méd. mil. fr., 1922, **16:** 12.—**Fonvielle.** Deux cas de septico-pyohémie otogène streptococcique à déterminations articulaires. Ibid., 1927, **21:** 129–36.—**Gelonesi, G.** Sopra un caso di setticopiocmia di natura reumatica. Ann. med. nav., Roma, 1926, **2:** 331–41.—**Lastres, J. B., & Ruiz, A.** Un caso raro de enterococcemia. Rev. san. mil., Lima, 1942, **15:** 77–92, ch.—**McIntyre, C. A.** A case of blood stream infection with B. fecalis alkaligenes, and marked hepatitis. Mil. Surgeon, 1936, **79:** 140–3.—**Maniel & Vinzent.** Un cas de septicémie à Bacillus fundiliformis. Bull. Soc. méd. mil. fr., 1938, **32:** 45–8.—**Millet.** Un cas de septicémie à pneumobacilles de Friedländer. Ibid., 1936, **50:** 308–10.—**Mirra, G.** Su un caso di febbre a tipo setticemico, a decorso cronico, clinicamente criptogenetica, guarito con la tonsillectomia. Ann. med. nav., Roma, 1936, **42:** pt 2, 13–20.—**Moore, G. B.,** jr, **& Tannenbaum, A. J.** Streptococcus viridans Septicemia; a cure with sulfapyridine. Mil. Surgeon, 1942, **90:** 155–7.—**Moorehead, M. T.** Subacute bacterial endocarditis or streptococcus viridans septicemia. U. S. Veterans Bur. M. Bull., 1930, **6:** 5–9.—**Schulz, W.** Tonsillogene Sepsis und Mandelausschälung. Deut. Militärarzt, 1939, **4:** 13–8.—**Singer, E. O. A.** A case of combined staphylococcal and streptococcal septicaemia. J. R. Army M. Corps, 1936, **66:** 336–40.—**Stroian, N., & Popescu, D.** Considerațiuni asupra septicemiei stafilococice. Rev. san. mil., Bucur., 1937, **36:** 411–6.—**Vasilevsky, A. L.** [Etiology of haemorrhagic septicaemia (bacteriaemia] Voen. med. J., Petrogr., 1915, **244:** Med. spec. pt, 73–9.—**Weiner, J.** [Case of septicemia caused by vaccine infected with Bac. perfringens] Lek. wojsk., 1937, **30:** 623–7.

—— Pathology.

Claus, G. Tonsillogene Sepsis; Beobachtungen in einem Kriegslazarett. Deut. Militärarzt, 1940, **5:** 426–8.—**D'Arcy, T. N.** A case demonstrating an unusual and fatal ending to tonsillar sepsis. J. R. Nav. M. Serv., 1937, **23:** 346.—**Emin Burad** [Case of acute otogenous septicemia without thrombosis] Askerî sıhhiye mecmuası, 1939, **68:** No. 27, 38–42, 3 ch.—**García de la Infanta, F.** Septicemia maligna lenta endocardítica abacteriémica. Med. & cir. guerra, 1948, **10:** 507–10.—**Garden, R. S.** Plasma protein levels in chronic sepsis. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 99, ch.—**Gloggengiesser, W.** Pathologische Anatomie und Pathogenese der tonsillogenen Allgemeininfektion: Erfahrungen an 20 obduzierten Fällen. Deut. Militärarzt, 1942, **7:** 257–65.—**Manifold, J. A.** Malnutrition and chronic sepsis. J. R. Army M. Corps, 1946, **87:** 62–9.

—— Treatment.

Sohier, R. M. P. J. La chimiothérapie des pyococcies. p.417–72. 24cm. Par., 1939.

Rev. Serv. san. mil., Par., 1939, **111:**

Frank. Silbertherapie bei septischen Prozessen (Credé) Militärarzt, Wien, 1913, **47:** 24.—**Lambert, D. P.** A note on the treatment of minor sepsis. J. R. Army M. Corps, 1940, **75:** 117.—**Lamphier, T. A., & Cashman, C.** Streptomycin; its value in treating sepsis following a cranioplasty procedure; a case report. Mil. Surgeon, 1947, **101:** 505.—**Orman** [Fresh blood injections in treatment of otogenous septic pyemia] Askerî sıhhiye mecmuası, 1933, **62:** 21–8.—**Robinson, E.** Control of sepsis of minor injuries and burns on board small ships. J. R. Nav. M. Serv., 1945, **31:** 113.—**Schneyder.** Un cas de septico-toxémie grave à localisation abdominale guérie par la pénicilline. Bull. Soc. méd. mil. fr., 1946, **40:** 59.—**Soroko, N. K.** [Transfusion of immune blood in general suppurative infection] Tr. Acad. mil. méd. Kiroff, 1935, **3:** 31–48.—**Sulphadiazine** in septicaemia. Bull. Army M. Dep., Lond., 1943, No. 25, 8.

SEPTIC sore throat.

See also **Tonsillitis.**

Bloomfield, A. L., & Rantz, L. A. An outbreak of streptococcic sore throat in an Army camp; clinical and epidemiologic observations. J. Am. M. Ass., 1943, **121:** 315–9.—**Cox, W. C., & Coburn, H. C.,** jr. An outbreak of septic sore throat. Mil. Surgeon, 1931, **68:** 508–13.—**Differential** (The) diagnosis of sore throat. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, No. 2, 8–13.—**Doinikov, B. S., & Triumfov, A. V.** [Changes in the nervous system in so-called septic angina] Tr. Acad. mil. méd. Kiroff, 1936, **6:** 27–36.—**Engelhardt.** Ueber eine Anginaepidemie. Deut. Militärarzt, 1936, **1:** 57–63.—**Epidemic** of septic sore throat. Bull. U. S. Army M. Dep., 1945, **4:** 497.—**Goodale, R. H., & Lambrakis, J. G.** Food infection; septic sore throat epidemic. U. S. Nav. M. Bull., 1944, **43:** 1277–81.—**Kawana, T.** Guntai narabi-ni gakkō kisyukusya ni bakuhatuteki ryūkō wo kita-sitaru Angina oyobi gai-byōgen no kenkyū [Untersuchungen über den Erreger der in den letzten Jahren epidemisch auftretenden Angina simplex] Gun idan zassi, 1932, 1097; 1282; 1404.—**Mackenbrock, F. C.** Severe throat angina. Bull. U. S. Army M. Dep., 1947, **7:** 401–3.—**Ogden, O. S.**

Isolated outbreaks of streptococcal sore throat. Ibid., 1944, No. 83, 118.—**Ogryzlo, M. A., & Preston, F. C.** Acute streptococcal throat; report of an outbreak at an R. C. A. F. station. J. Canad. M. Serv., 1943–44, **1**: 48–51.

SERBIA.

See under **World War I.**

SERBO-TURKISH war (1876)

See under **Wars and campaigns.**

SERODIAGNOSIS.

See also **Dysentery,** Bacteriology; **Medical examination,** serological; **Serology; Wassermann test; Weil-Felix reaction.**

United States. Veterans Administration. Technical bulletin TB 10A-21: Standardization of serological work in clinical laboratories of the VA. [1]p. 27cm. Wash., 1947.

Anderson, J. B. Technique for obtaining opsonic indices. J. R. Army M. Corps, 1910, **15**: 184–9.—**Andruzzi, A.** Appunti di tecnica sierodiagnostica. Ann. med. nav., Roma, 1922, **1**: 237–41.—**Baixe, A.** Le séro-diagnostic sans laboratoire. Arch. méd. pharm. nav., 1926, **116**: 120–31.—**Berge, T. O., & Barksdale, W. L.** Interpretation of laboratory serologic tests. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 4, 9–12.—**Crawford, J. P., & Hertert, L. D.** Preservation of Wassermann sera by means of sulfanilamide. Mil. Surgeon, 1943, **93**: 274.—**Göthlin, G.** [Some sero-bacteriological observations from a study tour of Germany and Austria 1915] Tskr. mil. hälsov., 1917, **42**: 48–51.—**Rodino, N.** Sierodiagnosi. Ann. med. nav., Roma, 1930, **36**: 23–31.—**W., P. W.** Notes on the use of diagnostic antisera in clinical laboratory practice. Bumed News Lett., Wash., 1944, **4**: No. 4, 14–7.

SEROLOGY.

See also **Blood group; Dysentery,** Bacteriology and serology; **Immunology; Medical examination,** serological; **Rh factor; Serodiagnosis; Serum.**

United States. Army. Enlisted Technician's School. Letterman General Hospital. Serology. 25p. 27cm. S. Franc., 1942.

Brasil, V., & Vellard, J. Do papel dos lipoides na immunologia. Rev. med. hyg. mil., Rio, 1927, **16**: 181–98.—**Crawford, J. P., & Hertert, L. D.** Shaking methods applied to serological technic. Mil. Surgeon, 1943, **93**: 135–40.—**Doria, I.** Sistema di Goldmann e produzione di anticorpi. Ann. med. nav., Roma, 1933, **39**: pt 1, 153–8.—**Huebner, R. A.** Immunization of horses. CIOS Rep., Lond., 1945, Item 24, No. XXII–13, 24–6.—**Zagarese, F.** Influenza della narcosi eterea sui poteri immunitari degli animali tratati con thorotrast. Ann. med. nav., Roma, 1935, **41**: pt 1, 182–92.

SEROTHERAPY.

See also **Bacteriology,** Laboratory; **Dysentery,** Treatment: Phage; **Immune serum; Pneumonia,** Treatment: Serum; **Serum sickness.**

Lahillonne, P. E. Nouveaux conseils aux médecins de garde par les chefs de clinique de l'Ecole d'application; médicine générale. p.505–78. 23cm. Par., 1937.

Arch. méd. pharm. nav., 1937, **127**:

Indikationer för profylaktisk serumbehandling av sårade. In: Fältmed. vademecum, Stockh., 1940, 93.—**Linberg, B. E.** [Applications of cytotoxic antireticular serum (Bogomolec) in the treatment of certain wounds, and frostbite, at rear evacuation hospitals] Sovet. med., 1943, **7**: 4.—**Réinjections** de sérum. Arch. méd. pharm. mil., 1916–17, **66**: 480–2.—**Schmidt, H.** Bedeutung der Serumtherapie in Krieg und Frieden. Deut. med. Wschr., 1943, **69**: 408. Also Klin. Wschr., 1943, **22**: 154. Also Med. Klin., Berl., 1943, **39**: 387.—**Zembsch, L.** Advances in serum therapy. U. S. Nav. M. Bull., 1920, **14**: Suppl., No. 13, 70.

SERUM.

See also **Biology,** Institutes; **Immune serum; Serotherapy.**

Chinard, F. T., Horack, H. M. [et al.] Production of antisera. CIOS Rep., Lond., 1945, Item 24, No. XXII–13, 5. ——— Sera für die Human-Medizin. Ibid., 15–7.—**Fleishman, N. A.** Method for obtaining serum from lesions to be studied under the darkfield. Med. Bull. U. S. Chief. Surg. Europ. Theatre, 1943, No. 12, 7.—**Mello, M. T. de.** Sôro normal de cavalo; propriedades relacionadas com os fenômenos imunitários. Rev. mil. remonta vet., Rio, 1946, **8**: No. 50, 21–7.—**Pereira, J. R., Da Silva Lacaz, C., & Corbett, C. E.** Investigações experimentais sôbre substitutos do sangue; soros antitóxicos e antimicrobianos secos. Rev. med. mil., Rio, 1943, **32**: 180–4.—**Resta, C. A.** Preparación de sucros desecados de convalccientes. Rev. san. mil., B. Air., 1945, **44**: 105; passim.—**Sededdin Yarar** [Bacteriology] Askerî tibbi baytarî mecmuası, 1936, **13**: 399–413.—**Selçuk, H.** Serum konsantrasiyonunda yeni bir yöntem [A new phase in the concentration of serum] Askerî vet. mecmuası, 1948, **26**: 69–78.

SERUM albumin.

See **Blood transfusion,** Material.

SERUM hepatitis.

See under **Hepatitis.**

SERUM sickness [incl. reactions]

See also **Disease**—by specific types: Allergy; **Serotherapy.**

Bardhan, P. N. A case of serum sickness. J. R. Army M. Corps, 1940, **75**: 120–2.—**Di Giorgi, P.** Paralisi postsieroterapica. Gior. med. mil., 1942, **90**: 4; 112.—**French, S. W.** Serum reactions. Mil. Surgeon, 1929, **64**: 912–6.—**Hoagland, R. J.** Neuritis following serum administration. Ibid., 1938, **82**: 134–7.—**Hogan, B. W.** Neuritis as a serum reaction; report of 2 cases. U. S. Nav. M. Bull., 1941, **39**: 403–8, pl.—**O'Meara, F. J.** On serum reactions. J. R. Army M. Corps, 1939, **72**: 187–90.—**Pimentel, W.** Sôro anafilaxia ou doença do sôro. Rev. mil. med. vet., Rio, 1939, **2**: 1423–7.—**Robertson, H. F., & Varmus, F.** Report of a case of peripheral neuritis with hypertension following serum therapy. Mil. Surgeon, 1944, **95**: 129–32.—**Rudolph, J. A.** Serum reactions; a working classification. Ibid., 1943, **93**: 473–7.—**Sprügel, W.** Ueber Serumanaphylaxie. Deut. Militärarzt, 1940, **5**: 274–6.

SERVICE.

See also as compound term in combination with the following words: **Air transports; Air Force Medical s.; Ambulance s.; Arctic s.; Aviation s.; Blood transfusion s.; Decontamination s.; Dental s.; Detached s.; Disinfection s.; Emergency medical s.; Field s.; Field ambulance s.; Foreign s.; Health s.; Hospital s.; Limited s.; Medical s.; Motion picture s.; Navy medical s.; Nursing s.; Nutrition s.; Optical s.; Pharmaceutical s.; Prosthetic s.; Psychological s.; Recreational s.; Selective s.; Social s.; Surgical s.; Tropical s.; Veterinary s.**

See also under the following terms: **Camp,** Medical s.; **Civilian defense** subheadings (Food s.; Services) **Collecting station,** Medical s.; **Combat,** Medical s.; **Dental s.,** Air s.; **Emergency medical service** subheadings (Shelter s.; Surgical s.) **Evacuation**—of wounded; **Hospital ship,** Medical s.; **Motorized warfare,** Medical s.; **Mountain warfare,** Medical s.; **Naval medicine,** Shore s.; **Neurology,** S. organization; **Neuropsychiatry,** S. organization; **Parachute troops,** Medical s.; **Pathology,** Organization of s.; **Prisoner of war** (various subheadings) **Psychiatry,** Service organization; **Radiology,** Organization of service; **Transport;** Medical s.

Borgmann, H. W. Der Einfluss sportlicher Leistung und des militärischen Dienstes auf den Vitamin C-Spiegel im Blut. Deut. Militärarzt, 1940, **5**: 229–36.—**Cherviakov, S.** Vocnnaja služba. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 837–41.—**Climo, W. H.** Military service and national health. J. State M., Lond., 1905, **13**: 19–29.—**Czech, W.** [Effect of military service on the physical development of the soldier] Lek. wojsk., 1936, **27**: 33–41.—**Decreto-lei** No. 2.967 de 21 de janeiro de 1941; altera um dispositivo da Lei do Serviço militar. Arq. hig., S. Paulo, 1941, **6**: No. 12, 207.—**Haffter, C.** Der infantile Mensch im Militärdienst. Schweiz. Arch. Neur. Psychiat., 1941, **48**: 196–231.—**Monje, N.** La educación y militarización de la juventud boliviana. Rev. mil., La Paz, 1939, **3**: 113–7.—**Saleur, H., & Lévy, R.** Un exemple de contrôle préventif médico-physiologique des jeunes gens d'une société de préparation militaire. Rev. hyg. méd. social., 1933, **12**: 273–82.

SERVICE command.

See also **Consultant.**

United States. Army Services Forces. Ninth Service Command. Monthly progress report. Fort Douglas, Jan., 1944–

United States. Army Services Forces. Second Service Command. Medical bulletin. Governors Island, No. 1–5, 1946.

Ebaugh, F. G. Major psychiatrie considerations in a service command. Am. J. Psychiat., 1943–44, **100**: 28–33.

SERVICE Corps.

See **Medical Service Corps.**

SERVICE forces.

See also **Service command.**

United States. Army Services Forces. Annual report, **2.–5.**, 1942/43–1945/46. 4v. var. size [23½ to 26½cm] Wash., 1943–47.

—— [Proceedings of the] Semi-annual Service Command conference [n.p.] **7.**, 1945–

United States. Department of the Army. Services of Supply. Annual report. **1.**, 1941/42. 100p. 23½cm. Wash., 1942.

Spire. Organization of technical specialties in time of war. Mil. Surgeon, 1926, **58**: 1–6.

SEVASTOPOL.

See under **World War II.**

SEWAGE [and sewerage]

See also **Camp; Civilian defense,** Utilities; **National defense,** Defense area: Hygiene, etc.

Capen, C. H., & Montin, H. S. Special sewage problems at Army cantonments. Sewage Works Engin., N. Y., 1942, **13**: 197.—**Haupt, H.** Kriegswirtschaft und Abwasserfragen. Zschr. Untersuch. Nahrungsmitt.,1919, **37**: 408–14.—**Lieber, M.** Biochemical oxygen demand test. Bull. U. S. Army M. Dep., 1944, No. 77, 121.

—— Disposal.

See also **Sullage water.**

Gutschmidt. Die Abwasserbeseitigung, unter besonderer Berücksichtigung militärischer Anlagen. Deut. Militärarzt, 1936, **1**: 374–80.—**Haskins, C. A., & Craig, R. H.** Sewers, sewage, and sewage disposal. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 241–62.—**Holmes, D. P.** Chemical disposal of sewage. J. R. Army M. Corps, 1942, **79**: 42–5.—**Josten & Schultze-Gebhardt.** Ueber landwirtschaftliche Nutzung von Abwässern aus Truppenunterkünften. Deut. Militärarzt, 1937, **2**: 481.—**Klegerman, M. H.** Sewage disposal design for wartime industrial plants. Engin. News Rec., 1942, **129**: No. 15, 82–5.—**Manning, H. D.** Post-war application of war-time experience in sewage disposal. J. R. San. Inst., 1945, **65**: 191–204.—**Putnam, R. W.** Sewage disposal problems of Chicago. Mil. Surgeon, 1926, **58**: 243–58, 2 pl.—**Sewage** disposal for small installations. Bull. U. S. Army M. Dep., 1945, **4**: 108–13.—**Wartime** sewage disposal practice. Engin. News Rec., 1942, **129**: No. 15, 81–96.—**Zeliger, J. B.** [An underground absorbing cesspool for sewage] Voen. san. delo. 1942, No. 9, 65.

—— Treatment.

See also **Sewage works; Sludge.**

Duggan, T. L., & Mathieson, D. R. Antiseptícizing processes (sanitize, hygienize, permaseptic and puratize) 35 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X–122 (Gen. 25) U. S. Nav. M Res. Inst.

United States. National Research Council. Committee on Sanitary Engineering. Subcommittee on Sewage Treatment at Military Installations. Sewage treatment at military installations. p.789–1028. 25½cm. Lancaster, 1946.

In: Sewage Works J., 1946, **18**: No. 5.

—— Bulletin. Wash., 1947–

Backmann, F. Emergency treatment of Army camp sewage. Engin. News Rec., 1942, **129**: No. 3, 85.—**Cohn, M. M.** Symposium; post-war problems; the 10 year plan of sewage and waste treatment. Sewage Works J., 1943, **15**: 1043–5.—**Eliassen, R., & Schulhoff, H. B.** Grease removal at Army sewage treatment plants. Ibid., 1944, **16**: 296–317.—**Fair, G. M., Fuhrman, R. E.** [et al.] Sewage treatment at military installations. Ibid., 1948, **20**: 52–95.—**Hatch, B. F.** Sewage treatment at military installations. Ibid., 1943, **15**: 839–46.—**James, G. V.** A system of sewage treatment applicable in the field. J. R. Army M. Corps, 1941, **77**: 213–5.—**Kessler, L. H., & Norgaard, J. T.** Sewage treatment at Army posts. Sewage Works J., 1942, **14**: 757–83.—**McCaskey, A. E., jr, & Vermette, F. L.** Some observations on grease in sewage at Army camps in Southeastern U. S. Ibid., 1944, **16**: 886–92.—**Moses, H. E.** The effect of war conditions on sewage treatment in Pennsylvania. Pennsylvania Health, 1943, **4**: No. 2, 8–10.—**Ornstein, G.** Sewage treatmcnt abroad affected by war and economic conditions. Sewage Works Engin., 1941, **12**: 163–6.—**Porter, H. F.** High-degree treatment for camp sewage. Engin. News Rec., 1943, **130**: No. 2, 106–10.—**Safarewicz, A.** [Purification of sewage on the hospital grounds in Vilna] Lek. wojsk., 1929, **14**: 403–10.—**Sewage** treatment in Army camps. Sewage Works Engin., 1941, **12**: 606.—**Sewage** treatment for Army camps. Sewage Works J., 1941, **13**: 841.—**Sewage** treatment at military installations. Ibid., 1946, **18**: 789–1028.—**Sewage** treatment and national defense. Sewage Works Engin., 1941, **12**: 651.—**Stepleton, H. A.** Rotary distributors of sewage for sand filters. Pub. Works, N. Y., 1941, **72**: 11.—**Wood** Imhoff tanks serve an Army camp. Engin. News Rec., 1943, **130**: No. 14, 96–8.

SEWAGE works.

See also **Sewage,** Treatment; **Sludge; Water supply,** Installations.

United States. War Production Board [Material on priorities as applied to sewage; works construction, maintenance and operation, furnished to the Federation of Sewage Works Association] 25p. 28cm. Wash., 1943.

Bases of sewage plant design for Army cantonments; an interesting summary of design details set up for cantonment plants. Sewage Works Engin., 1942, **13**: 71.—**Caster, A. D.** Experiences in operation of Army sewage treatment plants. Sewage Works J., 1944, **16**: 1115–9.—**Cohn, M. M.** 637 sewage plants under construction during 1941; one-third of construction in defense works; 5,850 sewage plants now in service. Sewage Works Engin., 1942, **13**: 74–86.—**Depleted** plant personnel is health hazard; New York Association fears effect of military and war industry services. Ibid., 348–50.—**Eliassen, R., Milling, M. A.** [et al.] Wartime operating problems in municipal and Army sewage treatment plants. Sewage Works J., 1944, **16**: 363–72.—**Franks, J. T., & Obma, C. A.** Operating experiences at Army sewage treatment plants. Ibid., 1943, **15**: 1088–95.—**Gilliland, P. C.** The sewage disposal plant, Randolph Field, Texas. Flight Surgeon Topics, 1939, **3**: 103–5.—**Gordon, J. E.** Sewage disposal plants. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 9, 19.—**Griffin, G. E., & Snell, J. R.** Experience with high rate trickling filters at Army posts in New England. Sewage Works J., 1944, **16**: 76–9.—**Horazawa, I.** Sengo ni okeru suidō-kai no syo-mondai [The essential problems on the water works and sewerage in Japan after the war] Kōsei kagaku, 1947, **6**: 1.—**Kessler, L. H., & Norgaard, J. T.** Operation of Army sewage treatment plants. Sewage Works J., 1942, **14**: 1228–63.—**Macomb** defense area given federal grant for building sewerage system to meet serious sanitation problem. Michigan Pub. Health, 1941, **29**: 211.—**Mathews, W. W.** Problems of sewage treatment plant operation under wartime conditions. Sewage Works J., 1944, **16**: 17–24.—**Parsons, A. L.** Report on the clogging of sewer pipes by Gordiacea. Mil. Surgeon, 1923, **52**: 541.—**Pettigrew, R. L., & Peterson, E.** Salt-water carriage sewage system in Charlotte Amalie, St. Thomas, Virgin Islands of the United States. U. S. Nav. M. Bull., 1921, **15**: 481–5.—**Scott, W. J.** Operation of sewerage systems and sewage treatment works from the standpoint of national defense. Sewage Works J., 1941, **13**: 1131–48.—**Sewage** treatment plants for national defense projects. Pub. Works, N. Y., 1941, **72**: No. 2, 9; 39.—**Stanley, W. E.** Designing sewage treatment plants for Army camps. Sewage Works Engin., 1942, **13**: 240–5.

SEXUAL life.

See also **Prisoner of war,** Sex life; **Prostitution;** also **Homosexuality; Marriage; Morality; Venereal disease; War victim.**

Benjamin, H. The sex problem of the Army. Clin. Med., 1942, **49**: 364–7.—**Boone, J. T.** The sexual aspects of military personnel. J. Social Hyg., 1941, **27**: 113–24.—**Ferreira Chaves, H.** Em torno da questão sexual. Rev. med. mil., Rio, 1940, **29**: 99–124.—**Hodann, M.** The sexual problem in the Army. Voz. san. [Spain] 1937, No. 20, 13–4.—**Sex.** In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 395–409.—**Vladescu, D.** [Research on the sexual life of draft mares] Rev. vet. mil., Bucur. 1937, **8**: 157–67.—**Weissenberg, S.** Das Geschlechtsleben der Roten Armee. Zschr. Sexwiss., 1926–27, **13**: 26–8.

—— Hygiene.

See also **Gonorrhea; Neurosyphilis; Syphilis; Venereal disease.**

United States. Army. Signal Corps Replacement Training Center. BTD–4: Military sanitation and sex hygiene; instructor's

lesson plans. 25p. 26½cm. Fort Monmouth, 1942. Also another edition, 13p. 26½cm. Fort Monmouth, 1943.

United States. War Department. Surgeon General's Office. Sex hygiene and venereal disease. 16p. 18cm. Wash., 1940.

Murray, G. D. Civilian life and the social health of the Air Forces. Addresses Southeast. Reg. Conf. Social Hyg., 1943, 11–7.—**Smith, E. C.** Sex hygiene in the Navy. Rhode Island M. J., 1943, **26**: 80–2.

—— in wartime.

Hirschfeld, M. The sexual history of the World War. 375p. 24cm. N. Y., 1937.

Pugh, W. S., & Podolsky, E. Sex and this war. 64p. 20cm. N. Y., 1942.

Robinson, V. Morals in wartime. 205p. 21cm. N. Y., 1943.

Russell, G. L. Sex problems in war-time. 2. ed. 63p. 18½cm. Lond., 1943.

Scott, G. R. Sex problems and dangers in war-time. 85p. 19cm. Lond., 1940.

Bemmelen, J. F. v. Kriegsdrang ein sexueller Instinkt. Verh. Internat. Kongr. Sexforsch., 1927, **3**: 16–23.—**Benjamin, H.** Morals versus morale in wartime; the sex problem in the Armed Forces. In: Morals Wartime (Robinson, V.) N. Y., 1943, 177–203.—**Burchard, E.** Sexuelle Fragen zur Kriegszeit. Zschr. Sexwiss., 1914–15, **1**: 373–80.—**De Napoli, F.** Guerra e problema sessuale. Bull. sc. med. Bologna, 1915, 9. ser., **3**: 257–78. ——— Guerra e sesso. In his Sesso e amore, 3. ed., Milano, 1943, **1**: 337–78.—**Domínguez, H. A.** Amor a la responsabilidad en la guerra. Rev. mil., B. Air., 1938, **38**: 1025–52.—**Fehlinger, H.** Krieg und Geschlechtsleben. Zschr. Sexwiss., 1916–17, **3**: 124–7. ——— Sexualprobleme des Krieges. Ibid., 340–3.—**Futterman, S.** Changing sex patterns and the war. Marriage & Family Liv., 1946, **8**: 29.—**Hirschfeld, M.** Sensuality in the trenches. In his Sex. Hist. World War, N. Y., 1937, 76–99. ——— Sadism, rape, and other atrocities. Ibid., 326–48.—**Hubler, J.** Sex and warfare. Sexology, 1933–34, **1**: 797–9.—**Morals** and the war. Med. J. Australia, 1942, **2**: 323.—**Nachtrag** zu unseren Berichten Aus der Kriegszeit. Jahrb. sex. Zwischenst., 1918, **18**: 178–202.—**Pick, F.** Ueber Sexualstörungen im Kriege. Berl. klin. Wschr., 1917, **54**: 978. Also Wien. klin. Wschr., 1917, **30**: 1120.—**Viry, H.** L'instinct génésique et la guerre actuelle. Rev. gén. clin. thér., 1916, **30**: 355–7. ——— Army psychology; the sexual instinct and the war. Med. Press & Circ., Lond., 1917, **104**: 45.

SHANGHAI.

See **Internee; Wars and campaigns** (1937) **World War II.**

SHARK.

Baker, C. R., & Rose, C. W. A fatal case of shark bite. Mil. Surgeon, 1935, **76**: 107.—**Burden, W. D.** Development of a shark deterrent. Air Surgeon Bull., 1945, 1: 244.—**Mazet, H. S.** Man-killers of the ages. Mil. Surgeon, 1938, **83**: 238–49.—**Phalen, J. M.** Fatality from bite of shark. Ibid., 1929, **64**: 383.—**Shark** repellents. Bumed News Lett., Wash., 1943, **2**: No. 6, 9.—**Sharks.** Air Surgeon Bull., 1945, **2**: 346.

SHARK sense.

See **Aviator,** Training.

SHARPSHOOTER.

See also **Seasickness,** Prevention; **Shooting.**

Kravtchinsky, B. D., & Serebrennikov, P. I. [Tests for estimation of the energy used during the day of a Red Army sharpshooter] Voen. med. J., Moskva, 1930, **1**: 24–32.—**Schmid, A.** Schiesskunst und Auge; Untersuchungen an Wehrmännern mit Schützenauszeichnungen. Vjschr. schweiz. Sanitätsoff., 1946, **23**: 68–85.

SHELL.

See also **Ballistics; Wound**—by weapons: Shell.

Langrod, K. Danger of poisoning by artillery shells during attacks on settlements and some conclusions about its treatment and hygiene. Harefuah, Tel Aviv, 1948, **35**: 5–7.—**Logan, D. D.** Carbon monoxide poisoning from detonation of h. e. shells, bombs, and mobile charges in closed places. In: War Wounds (Brit. M. J.) Lond., 1939, 225–34.

SHELL fragment.

See under **Ballistics,** Wound ballistics.

SHELL shock.

See under **War neurosis.**

SHELTER.

See also **Air raid shelter; Arctic service,** Hygiene; **Barracks; Carbon monoxide,** Sources and hazards; **Dugout; Emergency medical service,** Shelter service; also **Heater.**

Barker, E. D. Shelter, pneumatic (12-man) 27p. 27cm. Dayton, 1949.

Forms No. MCREXD–670–2N, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Yaglou, C. P., Lee, G., & Solish, G. I. Performance of military shelters in high winds and in sub-zero temperatures. 14 l. 27cm. Wash., 1949.

Forms No. 2, Progr. Rep. Com. Envir. Hyg. U. S. Army.

Bamber, G. The treatment of shelter skin lesions. Mod. Treatm. Yearb., Lond., 1942, **8**: 275–80.—**Johnston, R. A** simple shelter. J. R. Army M. Corps, 1946, **86**: 75–7.—**Kerr, F. L.** Progress in prefabricated shelters for the Arctic. Bull. Shelter (NRC) Wash., 1948, 9.—**Koppes, W. F.** Snow houses and other forms of Arctic shelters. Ibid., 6–9.—**Krotkov, F.** Ubežišče. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 619–26.—**Perry, K. M. A.** The diseases of shelter-life. London Hosp. Gaz., 1940–41, **44**: 44–7.—**Sherman.** Heating of shelters. Bull. Shelter (NRC) Wash., 1948, **11**.—**Weed, F. W.** Troop shelter; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 565–607.—**Yaglou, C. P.** Discussion of basic requirements of multi-purpose shelters. Bull. Shelter (NRC) Wash., 1949, 53–60.

—— Gas shelter.

United States. War Department. Technical manual, TM 3–350: Gasproof shelters. 59p. 22cm. Wash., 1943.

SHIELD.

See **Eyeshield.**

SHIGELLA.

See **Dysentery,** Bacteriology.

SHIN-BONE fever.

See **Rickettsiasis (quintana)**

SHIP.

See also **Battleship; Convoy; Cruiser; Hospital ship; L S T; Rescue ship; Transport.**

Abandon ship; review of a training film. Bumed News Lett., Wash., 1944, **3**: No. 4, 17–22.—**Carr, H.** The schooner Isabella, conversion from trader to yacht. J. R. Army M. Corps, 1937, **68**: 95–101.—**Della Monica, F.** Considerazioni sul microclima dei locali macchine delle navi da guerra di superficie, con particolare riguardo agli incrociatori pesanti. Ann. med. nav., Roma, 1941, **47**: 185–208.—**Field, R. S.** Safety equipment on vessels under war conditions. Tr. Nat. Safety Counc., 1942, 31. Congr., **1**: 377–80.—**Frates, F. E.,** jr. A modified quick-action beam clamp. U. S. Nav. M. Bull., 1942, **40**: 981.—**Lee, A. E.** A record ship. Ibid., 1919, **13**: 609.—**Phalen, J. M.** The wrecking of the San Francisco, an early troop ship in the Army. Mil. Surgeon, 1940, **86**: 174–7.—**Stewart, W. C.** Methods of testing materials for use as salt water pipe lines in the naval service. Proc. Maryland Delaware Water & Sewer. Ass., 1935, **9. conf.**, 28–66.

—— Air conditioning.

See also **Ventilation.**

Birren, J. E., Morales, M. [et al.] Studies of the effects of air cooling on personnel aboard the USS Washington (BB56) 22p. 27cm. Bethesda, 1946.

Forms Rep. No. 6, Res. Proj. X–205, U. S. Nav. M. Res. Inst.

Yaglou, C. P., Consolazio, W. V. A study of mean skin temperature and comfort of a large group of naval personnel living in a simulated battleship berthing compartment. 4p. 27cm. Bethesda, 1947.

Forms Rep. No. 8, Res. Proj. X–205, U. S. Nav. M. Res. Inst.

Ellis, F. P., & Raymond, W. F. Bacterial content of the air in a cruiser and a submarine. Spec. Rep. M. Res. Counc., Lond., 1948, No. 262, 264–90, 2 pl.—**Guild, W. J. F.** Some observations on the potentialities of air conditioning for H. M. ships on tropical service. J. R. Nav. M. Serv., 1940, **26:** 262–73.—**Moteki, K.** Situ-nai kūki-tyū no sikki oyobi tansan no zyokyo-hō ni kan-suru zikken [Experiments in methods of removal of moisture and carbon dioxide from the air of a room] Kaigun gun-ikai zassi, 1926, **15:** 141–52, tab.—**Salutari, R.** Le alterazioni fisico-chimiche dell'aria respirabile sui vari tipi di navi in pace ed in guerra ed i mezzi per risanarea. Ann. med. nav., Roma, 1929, **35:** pt 2, 258–71.—**Sellers, E. A., & Parker, J. M.** Outline of proposed trials of air conditioning in frigates. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 151–7.—**Shaw, T. B.** Ventilation in H. M. ships from the earliest times to the present day. J. R. Nav. M. Serv., 1926, **12:** 175–201. ——— The maintenance of satisfactory air temperatures in living spaces and working spaces in ships of the British Navy. J. State M., Lond., 1927, **35:** 575–90. Also J. R. Nav. Serv., 1928, **14:** 1–13.—**Yates, M. T.** Construction ventilation of ships. U. S. Nav. M. Bull., 1944, **42:** 735–43.

—— Diseases aboard.

See also **Transport.**

Morales, M., & Tarver, E. The influence of weather, combat status, and overcrowding on the incidence of disease and accidents aboard naval vessels. 30p. 27cm. Bethesda, 1946.

Forms Rep. No. 5, Res. Proj. X–205, U. S. Nav. M. Res. Inst.

Fiorito, G. Consumo, carico e scarico dei medicinali di bordo. Ann. med. nav., Roma, 1916, **1:** 73–7.—**Influence** (The) of weather, combat status, and overcrowding on the incidence of disease and accidents aboard naval vessels. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 9.

—— Disinfection and disinfestation [incl. rat-proofing]

See also **Rat control; Rodent control.**

Adriani, P. Ontsmetting en asepsis onzer mailstoomers. Ned. mil. geneesk. arch., 1899, **23:** 147–51.—**Brown, E. W.** The efficiency of carboxide gas as an insecticidal fumigant for naval and merchant vessels. U. S. Nav. M. Bull., 1934, **32:** 294–317, pl.—**Craig, T. C.** The practical disinfection of ships of war. Proc. Ass. Mil. Surgeons U. S., 1897, 147–68.—**Emploi** (Sur l') de l'acide cyanhydrique pour la destruction des rats et des parasites à bord des navires. Arch. méd. pharm. nav., 1922, **120:** 491–3.—**Extracts** from the report of the quarantine commission of the Office international d'hygiene publique. J. R. Nav. M. Serv., 1934, **20:** 314–8.—**Grossi G., V.** Anotaciones al Código sanitario; técnica de la fumigación de barcos y locales por medio del zyklon B. Rev. san. nav., Valparaiso, 1936, **6:** 189–205, pl.—**Hederer.** A propos des procédés chimiques de dératisation des navires. Arch. méd. pharm. nav., 1933, **123:** 54–9.—**Jennings, H. E.** The disinfestation of ships by fumigation. U. S. Nav. M. Bull., 1943, **41:** 1477–86.—**Kurita, T.** Ogura Maru-tyū kō-tcppan syūsyoku no kentei oyobi senpaku syōdoku-yaku no sentaku [Examination of damage by rust to the armor plates of the Ogura Maru, and the selection of disinfectants for ships] Gun igakkai zassi, 1897, 225–30.—**La Terza, E.** Il rat-proofing delle navi. Ann. med. nav., Roma, 1935, **41:** pt 1, 83–7.—**Lutrario, A.** Des procédés modernes de dératisation des navires. Arch. méd. pharm. nav., 1933, **123:** 12–7.—**Nerlich, G.** Desinfektion und Entwesung an Bord. In: Wehrhygiene (Handloser, S.) Berl., 1944, 463–9.—**Nisiharu, T.** Senpaku syōdoku zissi ni tuite no gaihō [Remarks on the results obtained by the disinfection of ships] Gun igakkai zassi, 1896, 400–5.—**Williams, C. L.** Sulphur dioxide for the fumigation of ships; methods of use and prospects of improvement. J. R. Nav. N. Serv., 1934, **20:** 303–13.

—— First aid.

See **First aid,** naval.

—— Hazards.

Behnke, A. R., Pace, N. [et al.] Report on the medical aspects of carbon monoxide concentrations aboard the LST 544 during the warm-up of tank engines. 13p. 26½cm. Bethesda, 1945.

Forms Res. Proj. X–154–C, U. S. Nav. M. Res. Inst.

Gillespie, H. E., & Benson, R. C. Accident prevention aboard ship. U. S. Nav. M. Bull., 1945, **44:** 661–8.—**Injuries** due to special nautical hazards. Statist. Navy M., 1947, **3:** No. 5, 2–5.—**Moteki, K., & Ikemoto, K.** Hoken-zyō kyōyo-si-ebeki kaigun kantei-nai kūki-tyū no tansan-gasu oyobi sanso ganryō ni tuite [The minimal quantity of carbon dioxide and oxygen that can be contained in the air on board naval ships from the standpoint of hygiene] Kaigun gun-ikai zassi, 1932, **21:** 357–67.—**Parker, C. M.** Gases in sunken and damaged ships. U. S. Nav. M. Bull., 1944, **42:** 743–7.—**Rathbone, A. D.,** IV. Smoke eaters of the Navy; how selected crews are trained to fight fires at sea. Sc. Am., N. Y., 1943, **168:** 150–3.—**Witte.** Zur Frage der Lärmschädigungen des Gehörs an Bord. Deut. Militärarzt, 1937, **2:** 128–32.

—— Hospital of.

See **Hospital,** Ship hospital.

—— Hygiene and sanitation.

See also **Rat control; Rodent control.**

Rual, P. E. M. *Considérations sur l'hygiène à bord des bâtiments armés à la grande pêche. 63p. 25cm. Bord., 1939.

United States. Navy. Bureau of Ships. Manual. Chapter 36: Sanitation. 7p. 23½cm. Wash., 1943. Also Revised ed. 6p. 4° Wash., 1946.

NAVSHIPS 250–000–36.

Amouroux, P. Hygiène et habitabilité des contre-torpilleurs ex-allemands de la 1re D. C. T. Rev. méd. nav., Par., 1947, **2:** 163–5.—**Clavijo y Clavijo, S.** Concepto higiénico del dreadnought y del sumergible. Prog. clín., Madr., 1916, **7:** 301–24.—**Condizioni** per l'igiene e l'abitabilità degli equipaggi a bordo delle navi mercantili nazionali. Ann. med. nav., Roma, 1939, **45:** 464–76.—**Dumont, R., & Loir, A.** Installation des W.–C. à bord des navires. Hyg. gén. appl., Par., 1910, **5:** 577–82.—**Fiorito, G.** La combustione a naftetine a bordo delle navi da guerra; suoi pregi, suoi inconvenienti. Ann. med. nav., Roma, 1913, **19:** 139–44.—**Frazer, W. M.** Hygiene of crew quarters. Med. Off., Lond., 1946, **76:** 98.—**Gordon, J. E.** [Boarding the ship] In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 2, No. 1, 15.—**Grunske, F.** Wasserversorgung und -bereitung an Bord. In: Wehrhygiene (Handloser, S.) Berl., 1944, 436–40.—**Hillman, R. W.** Diet aboard an auxiliary ship. U. S. Nav. M. Bull., 1946, **46:** 1579–82.—**Pezzi, G.** La dotazione sanitaria di bordo negli ordinamenti navali dalle origini alla metà del secolo XIX. Ann. med. nav., Roma, 1947, **52:** 113; 215, 2 pl.

—— Lighting.

See also **Illumination.**

Cronstedt, L. Några invändningar mot professor Sven Larssons uppfattning om belysningen på flottans fartyg med hänsyn till ögats mörkeradaptation och ljusets siktbarhet. Tskr. mil. hälsov., 1946, **71:** 42–6.—**Larsson, S.** Svar till de av Dr. Louis Cronstedt framförda invändningarna mot arbetet om belysningen på flottans fartyg etc. Ibid., 107–11. ——— & **Forsström, A.** Belysningen på flottans fartyg med hänsyn till ögats mörkeradaptation och ljusets siktbarhet. Ibid., 1945, **70:** 57–80.—**Laurent.** Eclairage à bord des bâtiments de guerre. Arch. méd. pharm. nav., 1927, **117:** 130–40.—**Shaw, T. B.** Artificial lighting in H. M. ships. J. R. Nav. M. Serv., 1927, **13:** 189–96.

—— Medical department.

See also **Medical department of ship.**

Morrison, O. B., jr. Utilization of spaces aboard ship by Medical Department. U. S. Nav. M. Bull., 1942, **40:** 187–9, pl.

—— Medical equipment.

See also **Chest; Equipment.**

Germany. Oberkommando der Kriegsmarine [Marine-Druckvorschrift] M. Dv. 271/2: Soll der Sanitätsausrüstungen. Teil 2: Sanitätsausrüstungen der Schiffe mit Apothekeneinrichtung [Reprint] 53p. 22cm. Berl., 1941.

——— M. Dv. 271/3: Soll der Sanitätsausrüstungen. Teil 3: Sanitätsausrüstungen für Schiffe ohne Apothekeneinrichtung [Reprint] 40p. 22cm. Berl., 1941.

——— M. Dv. 271/7: Soll der Sanitätsausrüstungen. Teil 7: Schiffssanitätsausrüstung [Reprint] 95p. 22cm. Berl., 1941.

Ponte, E. de. *Ueber die Ausrüstung deutscher Kauffahrteischiffe mit Medikamenten, Hilfsmitteln zur Krankenpflege und Instrumenten (ein Beitrag zur Revision der diesbezüglichen Bestimmungen vom 3. Juli 1905) 47p. 8° Erlangen, 1928.

—— submarine.

See **Submarine.**

SHIPBOARD medicine.

See under **Naval medicine.**

SHIPBOARD operating table.

See **Operating table.**

SHIP hospital.

See under **Hospital.**

SHIP surgery.

See **Naval surgery,** Ship surgery.

SHIPWRECK.

See also **Emergency; Rescue ship; Sea water,** Potability.

[Clippings on drowning and marine disasters, collected by F. L. Hoffman] 163p. 4° 1883–1920.

Bostic, S. C. Abandon ship; loss of U. S. Pollux. Contact, Pensacola, 1943, **3:** 178–84.—**Eastland** (The) disaster. Rep. Dep. Health Chic. (1911–18) 1919, 239–43.—**Ehrenfreund, E.** Rilievi medici sull'affondamento della R. Nave Leonardo da Vinci. Ann. med. nav., Roma, 1926, **2:** 167–90.—**Epic** (An) in salvage. Med. J. Australia, 1943, 1: 493.

—— Precaution.

See also **Life raft.**

Breusing. Seesicherheit. Deut. Rev., 1912, **3:** 77–83.—**Clarke, B. G.** Canvas bag for life raft first-aid kit. U. S. Nav. M. Bull., 1944, **43:** 1256.—**Entwistle, M. R.** Life belt and first-aid packet. Hosp. Corps Q., 1945, **18:** 70.—**H., E. G.** Emergency ration, food and water for lifeboats, rafts and floats. Bumed News Lett., Wash., 1943, **1:** No. 8, 1. ——— New fishing kits for life-boats and rafts. Ibid., No. 2, 7.—**Holt, G. W.** Exposure suit problem. Air Sea Rescue Bull., 1944, No. 2, 12.—**Ivy, A. C., Futcher, P. H.** [et al.] A tablet emergency ration for lifeboats and rafts. U. S. Nav. M. Bull., 1944, **42:** 841–7.—**Life** raft experiment. Air Force, 1943, **26:** No. 11, 25.—**Selig, R. J.,** jr. Two-medication first-aid packet. Hosp. Corps Q., 1945, **18:** No. 2, 47.

—— Survivor.

See next heading; also **Survival.**

SHIPWRECKED.

See also preceding headings; also **Survival.**

Experience of a man who lived 130 days on a raft. J. Am. M. Ass., 1943, **122:** 555.—**Exposure** and thirst at sea. Brit. M. J., 1943, **1:** 729.—**Futcher, P. H.** The shipwrecked. Mil. Surgeon, 1944, **94:** 100–2.—**Hawkins, D. M.** Adrift in a life-boat. Canad. Nurse, 1943, **39:** 658–64.—**Hill, L.** Help for the shipwrecked. Brit. M. J., 1943, **1:** 269.—**Mitchell-Heggs, B.** Seven days adrift in a lifeboat. Canad. Nurse, 1943, **39:** 279–82.—**Pinney, R.** Nine days in an open lifeboat. Med. Econom., 1942–43, **20:** No. 6, 51, &c.—**Roéland, C.** Les naufrageurs du progrès. Rev. path. comp., Par., 1932, **32:** 675–9.—**Schwarte, J. J.** Shipwrecked! Pub. Health Nurs., 1938, **30:** 462–4.—**Smith, G. H.** Twenty days on a raft. Contact, Pensacola, 1943–44, **3:** 215–26.—**Story** (The) of two nurses returning on the torpedoed Rangitane. Australas. Nurs. J., 1942, **40:** 38; 52.

—— Casualty.

See also **Immersion blast.**

Adrift at sea; some medical problems of shipwreck. What's New, North Chic., 1943, No. 72, 10.—**Behr, C. H.** Klinische Beobachtungen bei Schiffbrüchigen. Deut. Militärarzt, 1944, **9:** 318–20.—**Blain, D.** Neuropsychiatric aspects and treatments of convoy and torpedo casualties. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 631–41.—**Good, H. S.** Fifteen days adrift on a raft; a clinical evaluation of five survivors. U. S. Nav. M. Bull., 1943, **41:** 367–73.—**Horton, A. J.** Persistent tachycardia in a survivor adrift at sea for 83 days. N. York State J. M., 1943, **43:** 1119.—**Medical** care of U. S. Merchant seamen suffering as a result of war disasters [form letter] Bumed News Lett., Wash., 1943, **1:** No. 5, 23.—**Stephenson, C. S., Mast, G. W., & Shronts, J. F.** First-aid treatment for certain conditions common among shipwreck survivors. Hosp. Corps Q., 1943, **16:** 1–13.—**Webster, D.** Depth charge injuries. Bull. Am. Coll. Surgeons, 1944, **29:** 143.—**White, J. C.** Vascular and neurologic lesions in survivors of shipwreck; immersion-foot syndrome following exposure to cold. N. England J. M., 1943, **228:** 211–22. ——— Painful swollen feet secondary to prolonged dehydration and malnutrition. Ibid., 241–7. ——— Vascular and neurologic lesions in survivors of shipwreck. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 647–83. ——— Painful edema of the extremities in shipwrecked mariners; a newly recognized syndrome occurring after prolonged dehydration, malnutrition, and vitamin deficiency in southern waters. U. S. Nav. M. Bull., 1943, **41:** 32–43.

—— Cold injury.

See also under **Cold exposure; Immersion in water.**

Blackwood, W. Studies in the pathology of human immersion foot. Brit. J. Surg., 1943–44, **31:** 329–50. ——— & **Russell, H.** Experiments in the study of immersion foot. Edinburgh M. J., 1943, **50:** 385–98, 3 pl.—**Blalock, A.** Influence of exposure to cold and of deprivation of food and water on the development of shock. Arch. Surg., 1934, **29:** 1055–68.—**Brownrigg, G. M.** Frostbite in shipwrecked mariners. Am. J. Surg., 1943, **59:** 232–47.—**Fellowes, R.** Nursing care of immersion foot. Canad. Nurse, 1943, **39:** 581.—**Friedland, C. K.** Immersion foot and allied disorders. N. England J. M., 1943, **229:** 734.—**Goldstone, B. W., & Corbett, H. V.** Aetiology of immersion foot. Brit. M. J., 1944, **1:** 218.—**Immersion** foot. Bull. U. S. Army M. Dep., 1943, No. 70, 26–33.—**Immersion** foot. Air Surgeon Bull., 1944, **1:** No. 4, 14–7.—**Johnson, A. C.** Immersion foot. Med. J., Lond., 1944, **14:** 8–13.—**Learmonth, J. R., Ungley, C. C.** [et al.] Discussion in immersion injuries and vasomotor disorders of the limbs in wartime. Proc. R. Soc. M., Lond., 1942–43, **36:** 515–22.—**Lewis, T.** Swelling of the human limbs in response to immersion in cold water. Clin. Sc., Lond., 1939–42, **4:** 349–60.—**Molnár, G. W.** Survival of hypothermia by men immersed in the ocean. J. Am. M. Ass., 1946, **131:** 1046–50.—**Müller, E., Rotter, W.** [et al.] Ueber Untersuchungsergebnisse bei Todesfällen nach allgemeiner Unterkühlung des Menschen in Seenot. Beitr. path. Anat., 1943, **108:** 551–90.—**N., L. H.** Physiological responses to immersion in cold water. Bumed News Lett., Wash., 1943, **2:** No. 5, 5.—**Schilling, V., & Wischeropp.** Ein Fall von gestörter Wärmeregulierung als Schiffbruchsfolge mit anderen vegetativen Störungen (vorläufige Mitteilung). Arch. Schiffs Tropenhyg., 1926, **30:** Beih. 1, 234–40.—**Spealman, C. R.** Temperature and blood flow in extremities immersed in water. Proc. Soc. Exp. Biol., N. Y., 1944, **56:** 38–40.—**Survival** period of men immersed in cold water. Bumed News Lett., Wash., 1945, **5:** No. 9, 17.—**Ungley, C. C.** Treatment of immersion foot by dry cooling. Lancet, Lond., 1943, **1:** 681. ——— Immersion foot and immersion hand (peripheral vasoneuropathy after chilling) Bull. War M., Lond., 1943–44, **4:** 61–5. ——— & **Blackwood, W.** Peripheral vasoneuropathy after chilling; immersion foot and immersion hand. Lancet, Lond., 1942, **2:** 447–51. Also Rev. méd., Puebla, 1943, **16:** No. 153, 34.—**W., J. C.** Warm seas immersion foot a different condition. Bumed News Lett., Wash., 1943, **1:** No. 4, 3.—**Watson-Jones, R.** Immersion foot, shelter foot, trench foot. In his Fractures, 3. ed., Edinb., 1943, **1:** 130–3.—**Webster, D. R., Woolhouse, F. M., & Johnston, J. L.** Immersion foot. J. Bone Surg., 1942, **24:** 785–94.—**White, J. C.** Thermal injury to the feet secondary to immersion in cold water. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 226–38. ——— Immersion-foot syndrome following exposure to cold. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 647–69. ——— Immersion foot. Mod. Concepts Card. Dis., 1944, **13:** No. 2, 1. ——— & **Warren, S.** Causes of pain in feet after prolonged immersion in cold water. War Med., Chic., 1944, **5:** 6–13.

—— Psychology.

See also **War neurosis.**

Anderson, E. W. Abnormal mental states in survivors, with special reference to collective hallucinations. J. R. Nav. M. Serv., 1942, **28:** 361–77.—**Bellamy, W. A.** Statistical analysis of traumatic war neurosis in merchant seamen. Am. J. Psychiat., 1943–44, **100:** 114–9.—**Blain, D.** Personal and morale factors in the etiology and prevention of traumatic war neurosis in merchant seamen. Ibid., 131–5.—**Critchley, M.** Psychologie des marins naufragés. Schweiz. Arch. Neur. Psychiat., 1948, **62:** 404–6.—**Hogan, B. W.** Psychiatric observations of senior medical officer on board aircraft carrier U. S. S. Wasp during action in combat areas, at time of torpedoing, and survivors' reaction. Am. J. Psychiat., 1943–44, **100:** 90–3.—**Margolin, S. Kubie, L. S.** [et al.] Nature and incidence of acute emotional disturbances in torpedoed seamen of the Merchant Marine who are continuing at sea. Arch. Neur. Psychiat., Chic., 1943, **50:** 211–4. Also J. Nerv. Ment. Dis., 1943, **97:** 581–6. Also War Med., Chic., 1943, **3:** 393–408.—**Parran, T.** Traumatic neuroses in merchant seamen. Am. J. Psychiat., 1943–44, **100:** 113.—**Simpson, J. F., & Wellman, M.** Emotional reactions in survivors of H. M. C. S. Valleyfield. Canad. M. Ass. J., 1944, **51:** 316–21.

—— Rescue.

See also **Rescue** and its subheading (Air-sea rescue)

Critchley, M. Shipwreck-survivors; a medical study. 119p. 19cm. Lond., 1943.

Sauerland, H. Das Rettungswesen an der See. p.36–92. 24cm. Berl., 1935.

Veröff. Marine San., 1935, **26:**

United States. Navy Department. Bureau of Medicine and Surgery. Handbook of

first aid treatment for survivors of disasters at sea. 17p. 19cm. Wash., 1943.

After shipwreck. Lancet, Lond., 1943, **1**: 122.—**Blain, D.** Medical program for torpedo survivors. Crippled Child, 1942–43, **20**: 93; 109.—**Help** for the shipwrecked; a practical guide. Brit. M. J., 1943, **1**: 168.—**Hurd, P. V.,** jr. Artificial respiration in life rafts. Hosp. Corps Q., 1944, **17**: No. 5, 85–7.—**Lafontaine, W. L.** Greenland rescue of soldiers. Ibid., 65.—**Lewis, R.** Torpedo survivors get quick help. Red Cross Courier, 1942, **21**: No. 10, 5.—**Martin, W. B.** Rescue of survivors from a burning ship. Hosp. Corps Q., 1944, **17**: No. 5, 67–71.—**Merrill, D.** Treatment of patients suffering from dietary deficiencies and prolonged exposure. N. England J. M., 1942, **227**: 85.—**Monahan, A. C.** Life saving at sea. Science News Lett., 1943, **43**: 396.—**Morkotun, K.** Obzor morskikh avarij, slučajuščikhsja s sudami, i mery spasanija v takikh slučajakh ljudej, v častnosti bolnykh i ranenykh. Med. pribav. morsk. sborn., S. Peterb., 1905, 94–108.—**Navy** (Bureau of Aeronautics) air sea rescue equipment. Air Sea Rescue Bull., 1944, No. 3, 3–8.—**Rescue** of survivors. Hosp. Corps Q., 1943, **16**: No. 2, 79.—**Saint-Sernin, A.** Cordial pour naufragés de l'air ou de la mer. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 69.—**Salvamento** de náufragos; métodos de respiración artificial. Guatemala méd., 1946, **11**: 17.

—— Survival.

See also **Survival.**

Campbell, J. A., & Hill, L. Observations concerning the preservation of life in shipwrecked individuals. Lancet, Lond., 1928, **1**: 42–4.—**Chaudhuri, R. N.** Survival after shipwreck. Ind. M. Gaz., 1944, **79**: 26–9.—**Guide** (A) to the preservation of life at sea after shipwreck. Bull. War M., Lond., 1942–43, **3**: 463 (Abstr.)—**Ivy, A. C.** Contributions to survival on a raft at sea. Proc. Inst. M. Chicago, 1944–45, **15**: 173–80.—**Survival** of men immersed in the ocean. Bull. U. S. Army M. Dep., 1946, **5**: 617.—**Tropical** food for survivors on South Pacific islands. Hosp. Corps Q., 1943, **16**: No. 2, 87.

—— Water and diet.

See also **Life raft; Sea water,** Potability.

Futcher, P. H., Consolazio, W. V., & Pace, N. Methods of reducing the amount of drinking water required by survivors of shipwreck. 5p. 26½cm. Bethesda, 1943.

Forms Suppl. to Rep. No. 3, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Bateman, J. B. Conservation and supply of fresh water during emergencies at sea. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 161–7.—**Conservation** of water on life rafts and boats. Hosp. Corps Q., 1944, **17**: No. 3, 73–6.—**F., P. H., C., W. V., & P., N.** Rationing of water and food by shipwrecked personnel. Bumed News Lett., Wash., 1944, **3**: No. 5, 10–3.—**Fetcher, E. S.,** jr. Drinking water supply on the life raft. Air Surgeon Bull., 1945, **2**: 356–8.—**Futcher, P. H., Consolazio, W. V., & Pace, N.** Water balance of survivors of shipwreck in tropical waters. War Med., Chic., 1944, **5**: 203–6.—**Gamble, J. L.** The water requirements of castaways. Proc. Am. Philos. Soc., 1944–45, **88**: 151–8. ——— Physiological information gained from studies on the life raft ration. Harvey Lect., Balt., 1946–47, **42**: 247–73.—**Ladell, W. S. S.** Lifeboat-rations. Brit. M. Bull., 1947, **5**: 10–2.—**Methods** of reducing the amount of drinking water required by survivors of shipwreck. Bumed News Lett., Wash., 1944, **3**: 16.—**Quérangal des Essarts, J.** Secours aux naufragés; l'eau douce à bord des radeaux de sauvetage. Rev. méd. nav., Par., 1947, **2**: 55–63.—**Water** (The) problem in shipwreck. J. Am. M. Ass., 1943, **122**: 246.

SHIPYARD.

See also **Electric welding; Navy yard.**

Cristol. L'assistance médicale aux ouvriers et le problème de la tuberculose dans les arsenaux. Arch. méd. pharm. nav., 1930, **120**: 403; passim.—**Hinrichs, A. F.** Shipyards constructing United States Government vessels as of December 31, 1940. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 11, 4467–9.—**Jenkinson, S.** The H. M. dockyard medical officer. J. R. Nav. M. Serv., 1943, **29**: 12–6.—**Rozanov, P.** Voennyj korabl. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 941–50, diagr.—**Wartime** industrial services with special comment on the Permanente Foundation, California Physicians' Service and Procurement and Assignment Service; some factual information. Indust. M., 1943, **12**: 174–7.

—— Disease.

Drinker, P. The health and safety program of the U. S. Maritime Commission and the U. S. Navy in contract shipyards. J. Am. M. Ass., 1943, **121**: 822, Disc., 862. ——— Health and safety in contract shipyards during the war. Occup. Med., 1947, **3**: 335–43.—**Falkemo, K.** En undersökning beträffande blypåverkan hos arbetarna vid ett medelstort svenskt varv under arbeten på örlogsfartyg. Nord. med., 1941, **12**: 2835–40.—**Fleischer, W. E., & Viles, F. J.** Lead hazard occurring during repair of a burned ship. U. S. Nav. M. Bull., 1943, **41**: 386–8.—**Hankins, F. D.** Lead poisoning as a clinical entity during the reconditioning of warships. Ibid., 1785–91.—**Lieber, H.** An analysis of toe injuries in relation to accident prevention in a Navy yard. Ibid., 1941, **39**: 433–8.—**Mücke.** Krankenstatistik bei der Kriegsmarinewerft Wilhelmshaven. Mschr. Unfallh., 1941, **48**: 339–45.—**Shipyard** cough. Mil. Surgeon, 1944, **94**: 385.

SHOCK.

See also **Burns,** Complications; **Cold exposure,** Immersion in water; **Injury; War neurosis,** Shell shock.

Blalock, A., Bard, P. [et al.] Shock. p.107–73. 24cm. Phila., 1943.

In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943.

Baird, C. L. A review of the current literature on the classification, etiology and treatment of shock. Mil. Surgeon, 1941, **89**: 24–34.—**Briquet, R.** Choque. In: Man. socor. guerra, S. Paulo, 1943, 70–80.—**Churchill, E. D.** Note on shock. Med. Bull. North Afr. Theater U. S., 1944, **1**: 5.—**Crile, G. W.** Shock. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 891–8.—**Levit, V., Pankratov, M., & Timofeev, N.** Shok (shock) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 1063–81.—**Lucadou, W. v.** Das Schock- und Kollapsproblem in seiner praktischen Auswirkung im Felde. Deut. med. Wschr., 1943, **69**: 652.—**Makel, H. P.** Shock. Mil. Surgeon, 1937, **80**: 436–47.—**Odelberg, A.** Om shock. Tskr. mil. hälsov., 1945, **70**: 251–7.—**Pinheiro Guimarães, U.** O choque em cirurgia de guerra. Rev. med. cir. Brasil, 1942, **50**: 1043–78.—**Quadros Tejeiro, M. de.** Shock. Med. & cir. guerra, 1946, **8**: No. 16, 3–20.—**Richards, D. W., jr, Fine, J., & Long, C. N. H.** Shock. In: Advance. Mil. Med., Bost., 1948, **1**: 335–63.—**Schlinck.** Shock and the control of shock. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 74–6.—**Schöneberg, G.** Kollaps und Schock. In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944, 161–9.—**Trueta, J.** Shock. In his Principl. & Pract. War Surg., S. Louis, 1943, 129–40.

—— Autonomic nervous system.

Kliszowski & Cuinet. Le sympathique dans le choc traumatique. Bull. Soc. méd. mil.f r., 1945, **39**: 219–22.—**Koskowski, W.** Wstrząsy eksperymentalne a układ nerwowy wegetatywny. Lek. wojsk., 1941, **34**: 108–10.

—— Biochemistry.

Banaitis, S. I. [Chemism of the blood in traumatic shock] Tr. Acad. mil. méd. Kiroff, 1936, **5**: 111–20.—**Borovská, B. M.** Změny krve při šokových stavech. Voj. zdrav. listy, 1948, **17**: 91–104.—**Cremer, H. D.** Physiologisch-chemische Untersuchungen beim Wundshock. Deut. Militärarzt, 1942, **7**: 79–84. Also Bull. War M., Lond., 1942–43, **3**: 150 (Abstr.) Also Schweiz. med. Wschr., 1943, **72**: 778 (Abstr.)—**Durrum, E. L., & Jensen, H.** Biochemical studies on shock. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 4, No. 9, 1. ——— & **Hamolsky, M. L.** Biochemical studies on shock. Ibid., App. C. Proj. 3, No. 15, 1.—**Durrum, E. L., McDonald, B. K., & Jensen, H.** Biochemical studies on shock. Ibid., Proj. 1, No. 19, 1; Proj. 2, No. 19, 1.—**Gutmann, H., Kroll, H. H.** [et al.] Chemical studies in traumatic shock. War Med., Chic., 1941, **1**: 824–9.—**Jensen, H., & Hamolsky, M. L.** Biochemical studies on shock. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 4, No. 14, 1.—**Ploticyna, T. G.** Některé biochemické změny krve a moku mozkomíchového při šokových stavech. Voj. zdrav. listy, 1948, **17**: 111–6.—**Studies** on the vaso-depressor principle in shock. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 13.

—— Cardiovascular system.

Chambers, R., Zweifach, B. W. [et al.] Exploratory investigations on the peripheral circulation in response to various agencies including traumatic injury and adrenal compounds. 6 l. 28cm. Wash., 1941.

Forms No. 32, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Gibson, J. G., 2d, Aub, J. C., & Evans, R. D. The circulatory response to therapeutic measures, including blood substitutes and preserved red cells, in experimental shock. 2p. 28cm. Wash., 1944.

Forms No. 35, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Richards, D. W., jr. The circulation in traumatic shock in man [1] l. 28cm. Wash., 1944.

Forms No. 31, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Olson, W. H., Gutmann, H. [et al.] Circulating time in shock. War Med., Chic., 1941, **1**: 830–42.—**Sugihara, E.**

Den-sin-zu ni yoru shock no zikken-teki kenkyū [Experimental studies in shock by means of the electrocardiograph] Rinsyo geka, 1948, 3: 408–11.—**Sulcev, G. P.** Characteristika obĕhu krevního při šokových stavech. Voj. zdrav. listy, 1948, 17: 68–91.

—— Clinical aspect.

Cassels, D. E. A clinical review of shock in battle casualties. Mil. Surgeon, 1948, 103: 458–63.—**Duesberg.** Klinisches Bild und experimentelle Untersuchungen des Schocks. Ber. Arbeitstag. Ost, 1942, 2: 57–9. Also English transl., Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 68–71.—**Hönig, J.** Klinická charakteristika šokových stavů. Voj. zdrav. listy, 1947, 16: 48–66.—**Kedrov, A., A., Urinson, A. P.** [et al.] Kliničeskie nabljudenija nad ranenymi v sostojanii shoka. Klin. med., Moskva, 1947, 25: No. 4, 38–52.—**Leander, G.** Klinik och behandling av traumatisk shock. Tskr. mil. hälsov., 1944, 68: Suppl., 101–9.—**Liebau, G.** Beobachtungen bei Schock- und Kollapszuständen. Bull. War. M., Lond., 1942–43, 3: 274 (Abstr.)—**Richards, D. W., jr.** The clinical aspects of shock. In: Advance. Mil. Med., Bost., 1948, 1: 335–41.—**Shepherd, J. A.** Clinical aspects of wound shock. J. R. Nav. M. Serv., 1947, 33: 204–17.

—— Cold exposure.

See **Cold exposure.**

—— Diagnosis.

Canada. National Research Council. Associate Committee on Medical Research. Subcommittee on Shock and Blood Substitutes. The early recognition and treatment of shock. 26p. 20½cm. Ottawa, 1943.

United States. Office of Civilian Defense. Medical Division. The clinical recognition and treatment of shock. 35p. 23½cm. Wash., 1943.

Cole, W. H. The early recognition and treatment of shock. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 282–90.—**Early** (The) recognition and treatment of shock. Canad. M. Ass. J., 1943, 48: 196–205.—**Kekwick, A., Maycock, W. d'A.** [et al.] Diagnosis and treatment of secondary shock; a study of 24 cases. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 263–77.—**Prodromal** signs of shock. Bumed News Lett., Wash., 1944, 4: No. 5, 1–5.

—— Hemodynamics.

See also other subheadings.

Evans, E. I., Cournand, A. [et al.] The effects on plasma volume of intravenous injection of concentrated human albumin solution, in shock and other clinical conditions, when given without additional fluid and when given with varying amounts of additional intravenous fluid. 12p. 28cm. Wash., 1945.

Forms No. 61, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Ricca, R. A., Fink, L. T. [et al.] The distribution of body fluids of dogs in traumatic shock [1] l. 28cm. Wash., 1944.

Forms No. 25 of preceding study.

Seligman, A. M., Frank, H. A., & Fine, J. Traumatic shock; hemodynamic effects of alterations of blood viscosity in normal dogs and in dogs in shock. 2p. 28cm. Wash., 1945.

Forms No. 55 of preceding study.

Emerson, C. P., jr, & **Ebert, R. B.** A study of shock in battle casualties; measurements of the blood volume changes occurring in response to therapy. Ann. Surg., 1945, 122: 745–72.—**Kovács, E.** A keringő vérmennyiség csökkenése traumás shockban. Honvédorvos, 1950, 3: 750–6.—**Utterback, J. A.** Fluid balance mechanism in health and in shock. Army Vet. Bull., 1943, 37: 110–21.

—— hemorrhagic.

See also **Hemorrhage.**

Frank, H. A., Seligman, A. M., & Fine, J. Traumatic shock; the treatment of hemorrhagic shock irreversible to replacement of blood volume deficiency. 2p. 28cm. Wash., 1944.

Forms No. 45, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Greig, M. E. Studies on shock induced by hemorrhage; the inactivation of the apoenzyme of amino acid oxidase and lactic dehydrogenase in anoxia [1]p. 28cm. Wash., 1944.

Forms No. 20 of preceding study.

Lamson, P. D. Shock from hemorrhage; final report. 3p. 28cm. Wash., 1944.

Forms No. 47 of preceding study.

Banaitis, S. I. Shok i krovopoterja. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 190–5.—**Hemorrhagic** and traumatic shock. Hosp. Corps Q., 1949, 22: No. 4, 31–4.—**Hornbaker, R. W.** Hemorrhage, shock, and their treatment. Ibid., 1945, 18: 27–31.—**Lambert, J.** Shock, haemorrhage, and the selection of cases for immediate operation. J. R. Nav. M. Serv., 1916, 2: 19–22.—**Sullivan, J. M.** Shock and hemorrhage. Med. Bull. North Afr. Theater U. S., 1944, 1: 2.—**Treatment** of shock resulting from loss of blood. Bull. U. S. Army M. Dep., 1944, No. 81, 4.—**Truini, F.** Shock post-emorragico ed alzata precoce. Gior. med. mil., 1948, 95: 480–5.

—— Metabolic effects.

See also **Protein deficiency.**

Conference on intermediary metabolism in shock [Proceedings] 53p. 23cm. N. Y., 1943.

Fink, R. M., Enns, T. [et al.] Plasma protein metabolism, normal and associated with shock; observations using protein labeled by heavy nitrogen in lysine [1] l. 28cm. Wash., 1944.

Forms No. 42, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Potter, V. R., & Meyer, R. K. Biological energy transformations and the shock problem. 4p. 28cm. Wash., 1944.

Forms No. 36 of preceding study.

Whipple, G. H. Labelled plasma protein studies in shock. 2p. 28cm. Wash., 1944.

Forms No. 33 of preceding study.

Cordier, D. Anoksja a wstrząs urazowy. Lek. wojsk., 1941, 34: 104–7.—**Introzzi, A. S., Manrique, J., & Raffaele, T.** Influencia de la desnutrición proteínica en el shock traumático experimental. Bol. Acad. argent. cir., 1949, 33: 32–40.—**Long, C. N. H.** Intermediary metabolism in shock. In: Advance. Mil. Med., Bost., 1948, 1: 356–63.—**Savchenko, N. I.** O diagnostiĉeskom znaĉenii nakoplenija promežutoĉnykh produktov obmena v krovi kontužennykh. Nevropat. psikhiat., 1947, 16: No. 3, 43–6.—**Sigrist, A. V.** Materiál k charakteristice poruch výměny látkové v organismu raněných stižených šokovým stavem. Voj. zdrav. listy, 1948, 17: 116–34.—**Šik, L. L.** Hlad po kyslíku při šokových stavech. Ibid., 104–11.

—— Nervous system.

Blalock, A. The utilization of oxygen by the brain in traumatic shock [1] l. 28cm. Wash., 1944.

Forms No. 46, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Evans. Physical signs of spinal cord injury in patients in shock. Bumed News Lett., Wash., 1944, 4: No. 10, 10.

—— Pathogenesis.

Mylon, E., Cashman, C. W., jr. & Winternitz, M. C. Studies on mechanisms involved in shock and its therapy [1] l. 28cm. Wash., 1944.

Forms No. 34, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Aub, J. C., Brues, A. M. [et al.] Bacteria and the toxic factor in shock. War Med., Chic., 1944, 5: 71–3.—**Bowers, W. F.** Nature and the treatment of shock. Mil. Surgeon, 1941, 89: 41–8.—**Etiology** of shock; fibrinolysin (?) U. S. Nav. M. Bull., 1945, 44: 1295–7.—**Freeman, N. E.** The mechanism of shock. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 107–30.—**Grezersen.** Nervous factor in traumatic shock. Bumed News Lett., Wash., 1944, 4: No. 13, 9.—**Gunther, L.** Venopressor mechanism in the production of shock; its treatment with nikethamide. U. S. Nav. M. Bull., 1945, 44: 300–7.—**Nores, A. (h.)** La etiopatogenia del shock en los heridos por proyectiles. Rev. san. mil., B. Air., 1939, 38: 1048–54.—**Oribe, J. M.** Ventajas del método de Phillips van Slyke en el estudio de las alteraciones de la sangre en el shock y otros estados patológicos. Ibid., 1946, 45: 67–96.—**Pasqualini, C. D. de.** El problema del shock en la guerra y en el laboratorio. Reforma méd., Lima, 1946, 32: 77–88.—**Petkun, T. J.** A toxaemia szerepéről traumás shockban. Honvédorvos, 1950, 3: 159 (Abstr.)—**Prinzmetal, M., Freed, S. C., & Kruger, H. E.** Pathogenesis and treatment of shock resulting from crushing of

muscle. War Med., Chic., 1944, 5: 74–9.—**Schwiegk.** Neue Gesichtspunkte zur Pathogenese und Therapie von Schock und Kollaps. Ber. Arbeitstag. Ost, 1942, 2: 60–2. Also English transl., Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. I, pt 7, 71–4.—**Seeley, S. F.** Shock; a graphic interpretation of its mechanism, symptoms, and treatment. Bull. U. S. Army M. Dep., 1949, 9: 300–6.—**Shorr, E., Zweifach, B. W., & Furchgott, R. F.** Further discussion of the toxic factors in shock. Tr. Conf. Metab. Aspects Convalesc., 1945, 11. meet., 106–9.—**Stefaits, G., & Kovács, E.** A traumás shock kérdésének jelenlegi állása; irodalmi összefoglalás; saját klinikai és kisérletes vizsgálatok. Honvédorvos, 1950, 3: 739–49.—**Tissue** damage, blood loss, and shock. Bull. Army M. Dep., Lond., 1945, No. 43, 1–3.—**Wheeler, D. W.** Shock, its nature and therapy. U. S. Nav. M. Bull., 1943, 41: 93–106.

—— Pathology.

Bjalik, V. L. Pathologicko-anatomický a thanatologický profil bojiště. p.410–61. 21cm. Praha, 1948.

In: Válеč. traumat. šok, Praha.

Van Slyke, D. D. Effect of shock on the kidney. 4p. 28cm. Wash., 1944.

Forms No. 43, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Cowell, E. The pathology and treatment of traumatic (wound) shock. Proc. R. Soc. M., Lond., 1927–28, 21: Sect. War, 39–46. Also J. R. Army M. Corps, 1928, 51: 81–102.—**Schallock.** Die pathologische Anatomie des Schocks. Ber. Arbeitstag. Ost, 1942, 2: 66–8. Also English transl., Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 78–80. ——— Beitrag zur pathologischen Anatomie des Wundshockes und Wundkollapses. Deut. Militärarzt, 1942, 7: 76–9. Also Bull. War M., Lond., 1942–43, 3: 150 (Abstr.)—**Usadel, W.** Schock und Kollaps. Med. Klin., Berl., 1940, 36: 313–5.

—— Pharmacology.

See also other subheadings (Treatment, etc.)

Frank, H. A., Altschule, M. D., & Zamcheck, N. Traumatic shock; pressor therapy: The effect of paredrine (p-hydroxy-α-methylphenylethylamine hydrobromide) on the circulation in hemorrhagic shock in dogs [1] l. 28cm. Wash., 1944.

Forms No. 28, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Koll. Schock und Kollaps; pharmakologische Gesichtspunkte. Ber. Arbeitstag. Ost, 1942, 2: 64–6. Also Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 76.—**Li Voti, P.** Influenza degli antistaminici sull'alterata idrofilia dei tessuti nello shock da eviscerazione. Minerva chir., Tor., 1949, 4: 596–600.—**Morphia** in shock. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 4.

—— Physiopathology.

Goldberg, M., & Fine, J. Traumatic shock; intestinal absorption in hemorrhagic shock [1] l. 28cm. Wash., 1944.

Forms No. 50, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Scholz, D. E., Schultz, J. H. [et al.] Study of the body temperature and water content in shock produced by the continuous injection of adrenalin with and without anesthesia [1] l. 28cm. Wash., 1944.

Forms No. 26 of preceding study.

Orbeli, L. A. Fiziologićeskie osnovy travmatićeskogo šoka. Voen. med. sborn., 1944, 1: 5–13.—**Shorr, E., Zweifach, C. W., & Furchgott, R. F.** Further studies on shock and hypertension. Tr. Conf. Metab. Aspects Convalesc., 1946, 12. meet., 173; 13. meet., 174.

—— Prevention.

Atamal, S. [Shock and measures of prevention] Askerî sıhhiye mecmuası, 1936, 65: 39–42.—**Beringer, J. V.** K profilaktike šokovykh sostojanij. Voen. med. J., Moskva, 1945, No. 7, 19.—**Blalock, A.** Prevention and treatment of shock. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 131–47.—**Cowell, E. M.** Prevention and treatment of shock. In: War Wounds (Brit. M. J.) Lond., 1939, 14–21. ——— & **Pasqualini, R. Q.** Prevención y tratamiento del shock. Rev. san. mil., B. Air., 1939, 38: 781–8.—**Gadzhiev, K. D.** [Prophylaxis and treatment of traumatic shock] Voen. med. J., Moskva, 1945, June, 37–42.—**Kendrick, D. B., jr.** The prevention and treatment of shock during surgical procedures. Mil. Surgeon, 1943, 92: 247–53.—**Pasqualini, C. D. de.** Profilaxis del shock con vitamina C; bases experimentales. Rev. san. mil., B. Air., 1946, 45: 554–64.—**Stecki, B.** Zapobieganie i leczenie wstrząsu u rannych. Lek. wojsk., 1949, 25: 20–7.

—— Research.

[Canada] National Research Council. Subcommittee on Shock and Blood Substitutes. Proceedings of the ... meeting. Ottawa, 8., 1944–

Prinzmetal, M. Final report on shock studies. 2p. 28cm. Wash., 1945.

Forms No. 56, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Stead, E. A., jr. Experimental and clinical studies on shock. 2p. 28cm. Wash., 1944.

Forms No. 41 of preceding study.

[United States] National Research Council. Committee on Shock and Transfusions. Bulletin on shock. Wash., 1941–

—— Minutes of the meeting. Wash., 1941–

United States. National Research Council. Division of Medical Sciences. Shock report. Wash., No. 20, 1944–

Calver, G. W. The shock problem [with extensive bibliography] U. S. Nav. M. Bull., 1944, 42: 358–80.—**Corey, E. L.** Shock. Bumed News Lett., Wash., 1945, 5: No. 9, 5–7.—**Harkins, H. N.** Conference on shock. Bull. Shock (NRC) Wash., 1944, 255–72.—**Hirose, N.** Gaisyō-sei shock ni kan-suru zikken-teki kenkyū [Research in wound shock] Gun idan zassi, 1925, 565; 728.—**Lichtenberg, J.** Z dějin bádání o šoku. Voj. zdrav. listy, 1948, 17: 65–8.—**Poupa, O., Jelínek, V., & Vajcenbacher, C. V.** Pokusné studie o šoku. Rozhl. chir., Praha, 1949, 28: 363–6, illust.—**Special** shock studies by D. Ebert & C. P. Emerson. Bull. U. S. Army M. Dep., 1945, No. 87, 4.—**Statements** of Subcommittee on Shock, Division of Medical Sciences, National Research Council. Med. Bull. North Afr. Theater U. S., 1944, 1: 2.—**Symposium** on shock. Ibid., 2–6.—**Turck, F. B.** Researches on the shock reaction before the Great War confirmed by actual experience in war. Mil. Surgeon, 1929, 64: 687–709.

—— surgical.

Austin, T. R. A consideration of the mechanism and treatment of surgical shock. U. S. Nav. M. Bull., 1937, 35: 426–34.—**Curtillet, E.** Du choc en chirurgie de guerre. Afrique fr. chir., 1946, 4: 313–21.—**Gray, H. K., & Chauncey, L. R.** Surgical shock. U. S. Nav. M. Bull., 1939, 37: 1–10.—**Jurasz, A.** O wstrząsie urazowym. Lek. wojsk., 1941, 34: 80–6.—**McQuade, G. D.** Shock and anoxia in the operating room. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 2, 31–8.—**Nores, A. (h.)** El shock de los operados por heridas del abdomen; contribución a su estudio. Rev. san. mil., B. Air., 1940, 39: 796–806.

—— therapeutic.

See **Shock therapy.**

—— Tourniquet shock.

Katzin, L. I., & Warren, S. L. Thiamine deficient diet in tourniquet shock in rats [1] l. 28cm. Wash., 1944.

Forms No. 24, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

—— & Ricca, R. A. Effects of environmental temperature and anesthesia on the survival of tourniquet shock by rabbits [1] l. 28cm. Wash., 1944.

Forms No. 27 of preceding study.

Mylon, E., & Winternitz, M. C. Factors concerned with the induction of tourniquet shock. 2p. 28cm. Wash., 1945.

Forms No. 59 of preceding study.

Potter, V. R., & Meyer, R. K. Biochemical changes in the blood of rats after reapplication of limb tourniquets. 3p. 28cm. Wash., 1944.

Forms No. 53 of preceding study.

Croxatto, H., Croxatto, R., & Rosati, S. Actividad leucilglicinásica del plasma en el shock por torniquete. Bol. Soc. biol. Santiago, 1948–49, 6: 2–5. ——— Poder antitriptásico del plasma durante el shock por torniquete. Ibid., 10.

—— traumatic.

Aub, Nathanson & Zamecnik. Traumatic shock [1] l. 28cm. Wash., 1945.

Forms No. 60, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Beecher, H. K. U., Mallory, T. B. [et al.] Physiologic effects of wounds (also called Study of severely wounded and shock study) MS. 12 Chapt. illust. After 1943.
MS. in Histor. Div. SGO U. S. Army.

British Traumatic Shock Research Team C. M. F. Investigation of war wounds; traumatic shock; interim report on the work of the British Traumatic Shock Research Team C. M. F., by R. T. Grant. 9p. 28cm. Wash., 1944.
Forms No. 52, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Cordier, D. G. E. Choc traumatique. p.121–82. 20cm. Montréal, 1943.
In his Probl. méd. guerre, Montréal.

Fine, J., Frank, H. A. [et al.] Traumatic shock [1] l. 28cm. Wash., 1944.
Forms No. 38, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Gregersen, M. I. Traumatic shock [1] l. 28cm. Wash., 1944.
Forms No. 40 of preceding study.

Harkins, H. N., Duncan, G. W. [et al.] Final report of work on traumatic shock [1] l. 28cm. Wash., 1944.
Forms No. 37 of preceding study.

Ricca, R. A., Fink, K. [et al.] Effect of environmental temperature on the control of traumatic shock in dogs [1] l. 28cm. Wash., 1944.
Forms No. 21 of preceding study.

Adkins, C. D. Traumatic shock. Surg. Staff Semin. Minneapolis Veterans Hosp., 1949, **6**: 17–40k.—**Bastos, A. de.** Choque de guerra (conceito, etiopatogenia, tratamento) Hora méd., Rio, 1943, No. 66, 63; passim.—**Bauer, F. K.** [Decompression shock] In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 17.—**Baumgartner.** Le choc traumatique; étiologie, pathogénie et traitement. Vjschr. schweiz. Sanitätsoff., 1941, **18**: 30–5.—**Belichenko, A. V.** Vlijanie endokrinnykh želez i toksičeskikh doz tireoidina na tečenie i iskhod travmatičeskogo šoka. In Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 402–13.—**Berbiela, F. F.** El shock traumático en los escalones avanzados. Rev. san. guerra, Barcel., 1937, **1**: 71–3.—**Best, C. H., & Taylor, N. B.** Wound shock; clinical and physiological considerations. In their Physiol. Basis Med. Pract., 3. ed., Balt., 1943, 432–41.—**Bornemisza, G., & Klinghoffer, L.** A traumás shock tábori eü. szempontból. Honvédorvos, 1950, **2**: 518–26.—**Borovskaja, V. M.** Izmenenija krovi pri voenno-travmatičeskom shoke. Biull. eksp. biol. med., 1945, **19**: 33–6.—**Cannon, W. B.** Wound shock. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 185–213.—**Chappoux.** Le choc traumatique en chirurgie de guerre; revue générale. Rev. sc. méd. fr. Moyen Orient, 1942, **1**: 113–51.—**Chatagnon, P. A.** Le choc traumatique de guerre. Ann. méd. psychol., Par., 1940, **98**: pt 2, 57–61.—**Couto Nobre.** Shock traumático; etiopatogenia e tratamento. Bol. Dir. serv. saúde mil., 1943, **5**: 3–36—**Duesberg, R.** Beobachtungen über den sogenannten Wundshock; zugleich ein Beitrag zur Pathophysiologie des Entblutungszustandes. Deut. Militärarzt, 1942, **7**: 69–76. Also Bull. War M., Lond., 1942–43, **3**: 149 (Abstr.) Also Schweiz. med. Wschr., 1942, **72**: 778 (Abstr.)—**Fegler, J.** Uwagi w sprawie doświadczalnego wstrząsu urazowego. Lek. wojsk., 1941, **34**: 100–4.—**Fine, J.** Experimental traumatic shock. In: Advance. Mil. Med., Bost., 1948, **1**: 341–56.—**Giacobbe, C.** Note sullo shock nella traumatologia di guerra. Gior. med. mil., 1947, **94**: 433–41. Also French transl., Bull. internat. Serv. santé, Liége, 1947, **20**: 447–52.—**Grant, R. T.** Memorandum on the observations required in cases of wound shock. Brit. M. J., 1941, **2**: 332–6—**Hirose, M. Y.** Gaisyō-sei shock ni kan-suru zikken-teki kenkyū [Experimental study concerned with traumatic shock] Gun idan zassi, 1925, 876; 997.—**Hönig, J.** Úvod k pracím skupiny 1 o šoku. Voj. zdrav. listy, 1947, **16**: 42–4. ——— Zkušenosti souborného studia sokových stavů u raněných v úseku divise. Ibid., 45–7.—**Lane, G. A., & Watt, J. G.** Secondary shock and its relation to wounds. Univ. Toronto M. J., 1939–40, **17**: 117–22.—**Lichtenberg, J.** K otázce současného nazírání na etiologii, léčení a prevenci šoku. Voj. zdrav. listy, 1948, **17**: 340–3.—**McMichael, J.** Circulatory collapse and wound shock. Edinburgh M. J., 1941, **48**: 160–72. Also Edinburgh Postgrad. Lect. (1940–41) 1942, **2**: 265–77.—**Mastrianni, M. A.** Traumatic shock. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 19–22.—**Memorandum** on wound shock. Lancet, Lond., 1940, **2**: 251.—**Merchant, J. E.** Traumatic shock. Contact Point, 1941–42, **19**: 78–80.—**Mira da Silva, A. C.** Shock traumático; diagnóstico e tratamento. Bol. Dir. serv. saúde mil., 1946, **9**: 23–38.—**Opizzi, J.** Shock traumático; estudio sintético. Rev. san. mil., B. Air., 1941, **40**: 76–8.—**Petrov, N. N.** Travmatičeskij šok. In his Lechen. ran. voine, 6. izd., Leningr., 1942, 90–3. ——— [The pathogenesis and therapy of traumatic shock] Voen. san. delo, 1942, No. 9, 3–11.—**Petrović, G., & Jovanović, I.** [Traumatic shock. Mechanism, symptomatology and treatment] Voj. san. glasnik, 1930, **1**: 192–206.—**Pinheiro Guimarães, U.** O choque em traumatologia de guerra. Impr. méd., Rio, 1943, **19**: No. 356, 73–92.—**Schöneberg, G.** Kollaps und Shock. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 138–46; 6. Aufl., Dresd., 1943, 157–65.—**Smith, G. G.** Wound shock. Univ. Toronto M. J., 1940–41, **18**: 148–52.—**Stewart, J. D., & Warner, F.** Observations on the severely wounded in forward field hospitals; with special reference to wound shock. Ann. Surg., 1945, **122**: 129–46.—**Sullivan, J. M.** Shock in forward areas. Wisconsin M. J., 1946, **45**: 213–6.—**Traumatic** and burn shock. J. Canad. M. Serv., 1945–46, **3**: 343–5.—**Tupin.** A propos du choc traumatique. Bull. Soc. méd. mil. fr., 1949, **43**: 128.—**Tzanck, A., & Chiche, P.** Le choc des blessés. Paris méd., 1945, 150–8.—**Vincent, C.** Shock from war wounds. Med. Bull., Par., 1917–18, **1**: 428.—**Wound** shock. Brit. M. J., 1918, **1**: 263.

—— Treatment.

Great Britain. Privy Council. Medical Research Council. Committee on Traumatic Shock and on Blood Transfusion. The treatment of wound shock. 20p. 24½cm. Lond., 1940. Also 2. ed. 32p. 24½cm. Lond., 1944.
Forms No. 1, War Mem. M. Res. Counc. Privy Counc. Gt Britain.

Bainbridge, W. S. The treatment of shock. C. rend. Congr internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 125–9.—**Birchall, R.** The shock of battle wounds; a review of the treatment in 2,000 casualties. Am. J. Surg., 1946, **72**: 291–9.—**Borst, J. G. G., & Veening, H. P.** [The task of the internist in treatment of the war-wounded; post-traumatic secondary shock] Ned. tschr. geneesk., 1940, **84**: 914–22.—**Crile, G., Glasser, O., & Quiring, D. P.** Shock, exhaustion and restoration: the underlying principle and practical application in war. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 157–60.—**Dunphy, J. E.** The therapy of shock; some lessons from military surgery. Postgrad. M. J., Lond., 1945, **21**: 111–6.—**Finch, E.** Shock and its treatment. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 18–25; 2. ed., Balt., 1942, **1**: 37–47.—**Graszmik, T. A.** A shock terápiája a nervizmus tanának megvilágításában. Honvédorvos, 1950, **3**: 155–9 (Abstr.)—**Hammond, T. E.** Treatment of wound shock. Brit. M. J., 1940, **2**: 468.—**Harkins, H. N.** Treatment of shock in wartime. War Med., Chic., 1941, **1**: 520–35. ——— Treatment of shock from war injuries. J. Michigan M. Soc., 1942, **41**: 287–93. Also Illinois M. J., 1943, **83**: 325–31.—**Holtzer, P. A. F. H.** Over de behandeling van shock bij luchtbombardementen. Ned. tschr. geneesk., 1944, **88**: 203–5.—**Joergenson, E. J.** Shock and its treatment. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 160.—**Kahlson, G.** Fysiologiska synpunkter på shock och dess behandling. Tskr. mil. hälsov., 1944, **68**: Suppl., 89–93.—**Lewy.** Le traitement du shock. Bull. internat. Serv. santé, Liége, 1944, **17**: No. 12, 8–15.—**McMichael, J.** The practical management of wound shock. Brit. M. J., 1942, **2**: 671–3.—**Maycock, W. d'A., & Whitby, L. E. H.** Some aspects of wound shock with experiences in treatment. J. R. Army M. Corps, 1941, **77**: 173–87. Also J. R. Nav. M. Serv., 1941, **27**: 358–71.—**Petrov, I. R.** Travmatičeskij šok i terapija pri nem. Voen. med. sborn., 1945, No. 2, 61–97.—**Popovian, I. M.** [The treatment of traumatic shock] Voen. san. delo, 1943, No. 4, 55.—**Raven, R. W.** Treatment of shock in war surgery. Brit. M. J., 1940, **1**: 950.—**Raymond, G. H.** Treatment of shock and soft tissue wounds. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 4, 3–12.—**Royer & Barbizet.** Traitement médical du choc et intervention chirurgicale chez les blessés de guerre. Mém. Acad. chir., Par., 1945, **71**: 334.—**Schlink.** Schock und Schockbekämpfung. Ber. Arbeitstag. Ost, 1942, **2**: 62–4.—**Teneff, S.** Le shock ed il suo trattamento. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 135–7.—**Treatment** of wound shock, Brit. M. J., 1940, **2**: 290. Also Clin. J., Lond., 1940, **69**: 324. Also J. Am. M. Ass., 1940, **115**: 1564. Also J. R. Army M. Corps, 1940, **75**: 243–52. Also Lancet, Lond., 1940, **2**: 300. Also Nurs. Times, Lond., 1940, **36**: 945; passim.

—— Treatment: Anesthetization.

See also **Injury,** Treatment: Anesthetization.

Beecher, H. K. Resuscitation and anesthesia for wounded men; the management of traumatic shock. 161p. 23½cm. Springf., 1949.

Ricca, R. A., Fink, K., & Warren, S. L. The effect of sulfadiazine, antitoxins, globulins, and dog plasma on dogs in traumatic shock under sodium pentobarbital anesthesia [1] l. 28cm. Wash., 1944.
Forms No. 23, Shock Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Anaesthesia with intravenous pentothal in cases of shock and haemorrhage. Bull. Army M. Dir., Lond., 1942, No. 9, 3.—**Boyle, A. K.** The value of low spinal block, lumbo-sacral,

analgesia in the treatment of shock associated with wounds of the lower extremities. J. R. Army M. Corps, 1941, **76**: 339.—**Buonomo la Rossa, B.** L'influenza dell'anestesia del seno carotideo sulla cloremia nello shock sperimentale. Gior. med. mil., 1949, **96**: 464–9.—**Cordier, D.** L'anesthésie des blessés choqués. In his Probl. méd. guerre, Montréal, 1943, 112–6.—**Pentothal** in cases of shock and haemorrhage. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 13.—**Spinadel, L.** Sok a jeho vztah k anestesii. Voj. zdrav. listy, 1948, **17**: 343–50.—**Stoddard, C. C.** Anaesthesia in shock. J. Canad. M. Serv., 1943–44, **1**: 140–6.

—— Treatment: Heat.

Avoidance of warmth for shock. Bull. Army M. Dep., Lond., 1943, No. 22, 8.—**Blalock, A., & Mason, M. F.** A comparison of the effects of heat and those of cold in the prevention and treatment of shock. Arch. Surg., 1941, **42**: 1054–9.—**Blanketing** casualties. Canad. M. Ass. J., 1943, **48**: 532.—**Brown, D. A. G.** The use of the 1 kw. lighting set in the treatment of shock. J. R. Army M. Corps, 1942, **78**: 40–3.—**Cirulnik, S. I.** Obogrevatel dlja sokovoj palaty. Voen. med. J., Moskva, 1945, 54.—**Cottle, G. F.** Diathermy in shock; report of case. U. S. Nav. M. Bull., 1927, **25**: 340–3.—**Forrest, J. A.** Heat treatment in shock. Med. Off., Lond., 1943, **70**: 128.—**Kitching, R. L.** Wound shock; a heated couch. Brit. M. J., 1941, **2**: 668.—**Newell, A. G.** Heat treatment in shock. Med. Off., Lond., 1943, **70**: 111.—**Use** of blankets for casualties (War Office Circ.) Bull. War M., Lond., 1942–43, **3**: 428 (Abstr.)—**Warmth** for shock. Bull. Army M. Dep., Lond., 1942, No. 17, 5. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 4.—**Warning** against overuse of warmth in treatment of shock. J. Am. M. Ass., 1943, **122**: 886.—**Warning** of use of warmth for treatment of shock. Ibid., 246.—**Wright, R. D.** Heat and cold in the prevention and treatment of shock. Med. J. Australia, 1942, **1**: 629.

—— Treatment: Miscellaneous methods.

Asratian, E. A. [New method in treatment of traumatic shock] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 61–77. Also Voen. san. delo, 1943, No. 8, 14–24.—**Badger, M. P.** A new wire litter frame for shock treatment. Mil. Surgeon, 1919, **44**: 652–5.—**Barrett, W. A.** Hypertensive preoperative shock treatment in war wounds; a preliminary report written in the field. Ibid., 1945, **97**: 317–21.—**Belousov, A. G.** [Treatment of shock in the regimental area by direct action on the autonomous centers] Biul. eksp. biol. med., 1944, **17**: No. 6, 15–7.—**Berkovich, E. M.** [Experiment in a medico-sanitary battalion with the treatment of traumatic shock by the method of direct chemical influence upon autonomic centers] Ibid., 18–21. ——— [Results of the application of Stern's method of treatment of traumatic shock in front-line medical sanitary battalions] Khirurgia, Moskva, 1944, No. 7, 8–12.—**Brown, H. R.,** jr. Laboratory aids in the treatment of the shock state. U. S. Nav. M. Bull., 1943, **41**: 1345–55.—**Chukichev, I. P.** Simpatomimetinovaja terapija travmatićeskogo śoka. Voen. san. delo, 1941, No. 5, 40–9.—**Creyssel, J., & Suire, P.** Sur le choc traumatique des blessés de guerre; infiltration des deux régions sinu-carotidiennes dans le traitement du choc traumatique. Mém. Acad. chir., Par., 1940, **66**: 762–5. Also Presse méd., 1940, **48**: 979.—**Eyssériс.** Injection intra-cardiaque d'adrénaline dans un cas de shok traumatique. Bull. Soc. méd. mil. fr., 1925, **19**: 206.—**Morphia** in shock. Bull. War M., Lond., 1942–43, **2**: 391 (Abstr.)—**Tramsen, H.** Nyere retningslinier for behandlingen af det posttraumatiske shock. Militaerlaegen, 1942, **48**: 41–72.

—— Treatment: Organization of service.

See also subheading (Prevention) also **Shock ward.**

Alvik, I. Sjokkbehandling i felt. Norsk tskr. mil. med., 1948, 8–23.—**Banaitis, S. I.** Borba s shokom i krovopoterej na PPM i DPM. Voen. san. delo, 1940, No. 10, 38–45. ——— Ocenka effektivnosti nekotorykh protivośokovykh meroprijatij po dannym DMP i hospitalej 1-oj linii. Voen. med. sborn., 1946, **3**: 141–9. Also Spanish transl., Rev. san. mil. argent., 1948, **47**: 303–12.—**Collinson, H.** Treatment of wound shock in first-aid posts. Brit. M. J., 1941, **2**: 750.—**Correia Neto, A., & Monteiro, J.** Tratamento do choque traumático no 32 ND Field Hospital (22 de novembro de 1944 a 22 de março de 1945) Rev. méd. cir. Brasil, 1945, **53**: 349–57.—**Edwards, F. R.** The treatment of shock in air-raid casualties. Punjab M. J. 1943, **8**: 191–6.—**Formby, R. H.** The treatment of shock in the field. Med. J. Australia, 1944, **1**: 357–68.—**Gorinevskaja, V. V.** Shok i borba s nim na etapakh evakuacii. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 55–67.—**Gusynin, V. A.** [Active-surgical aid in traumatic shock in military field surgery] Nov. khir. arkh., 1936, **35**: 566–72.—**Kendrick, D. B.,** jr. Prevention and treatment of shock in the combat zone. Army M. Bull., 1941, No. 58, 38–60. Also Mil. Surgeon, 1941, **88**: 97–113. ——— Organization of a shock service in a combat area hospital. J. Mil. M. Pacific, 1945, 1: No. 2, 14–21.—**Mattison, J. A.** Discussion of prevention and treatment of shock in the combat zone. Mil. Surgeon, 1941, 88: 114–8.—**Oleśkević, I. B.** [Treatment of shock at the front] Feldsher, Moskva, 1944, No. 3, 27–32.—**Rife, C. S.** The management of shock and hemorrhage in an evacuation hospital. Med. Bull. North Afr. Theater U. S., 1944, **1**: 3–5.—**Suraci, A. J.** Method of managing shock litters in an Army hospital of the cantonment type. Mil. Surgeon, 1942, **91**: 574–7.

—— Treatment: Reanimation.

See also **Resuscitation** of wounded.

Adams, R. C. Shock, blood transfusion and supportive treatment. Mil. Surgeon, 1941, **89**: 34–41.—**Asratian, E. A.** Sonnaja terapija travmatićeskogo śoka. Voen. med. sborn., 1945, No. 2, 32–60.—**Birguen, S.** Méthodes pour réanimer les blessés. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 131.—**Blalock, A., & Mason, M. F.** Blood and blood substitutes in the treatment and prevention of shock; with particular reference to their uses in warfare. Ann. Surg. 1941, **113**: 657–76. Also Tr. South. Surg. Ass. (1940) 1941, **53**: 16–35.—**Bolot & Dausset.** Chirurgie d'armée et réanimation; Afrique fr. chir., 1944, **2**: 39–43.—**Brunschwig, A.** Shock and blood substitutes. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 89–106.—**Ellis, F. P.** Blood transfusion in the treatment of shock in the Royal Navy. J. R. Nav. M. Serv., 1947, **33**: 177–92.—**Fanjeaux.** Le sang et les liquides de remplacement dans le traitement du choc chez le blessé de guerre. Réun. méd. chir. Armée fr. [1946] Num. spéc., 39–55.—**Faria, R.** A transfusão de sangue no estado de choque. Rev. med. mil., Rio, 1943, **32**: 61–72.—**Fehr, A.** Ueber den Shock und seine Behandlung, Bluttransfusion. Militärsanität, Zür., 1942, **24**: 125–7.—**Fettes, D.** Métodos de reanimación de heridos. Med. & cir. guerra, 1948, **10**: 3–20.—**Giacobbe, C.** Les méthodes de réanimation des blessés. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 129.—**Gum-salt** solution in shock or hemorrhage. Rev. War Surg. & M., 1918, **1**: No. 10, 33.—**Julliard, J.** Métodos de reanimación de heridos. Med. & cir. guerra, 1947, **9**: 545–58.—**Lafont Lopidana, M., & Pérez Sáenz de Miera, D.** Métodos de reanimación de heridos. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 150–2.—**Methods** of the U. S. Army for reanimation of the wounded (shock) Ibid., 153.—**Morin, E.** Le choc traumatique chez les blessés de guerre; son traitement par la transfusion de sang. Union méd. Canada, 1946, **75**: 400–4.—**Page, I. H.** Treatment of shock by intra-arterial infusion. Bull. U. S. Army M. Dep., 1947, **7**: 366–70.—**Resuscitation;** equipment, organization, training and procedures. Bull. War M., Lond., 1941–42, **2**: 244 (Abstr.)—**Selcovsky, P.** O lećenii śoka pereliyaniem krovi. Voen. san. delo, 1941, No. 4, 24–7.—**Sharp, A. C. R.** Methods of reanimation of the wounded. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 123.—**Shepherd, J. A.** Resuscitation after wound shock. Brit. M. J., 1941, 1: 493.—**Strumia, M. M.** Fluid replacement therapy in shock. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 149–73.—**Szylejko, H. W.** Plasma administration in severe shock. U. S. Nav. M. Bull., 1945, **44**: 857–9.—**Zamfir, C., Nestorescu, N.** [et al.] Note sur la réanimation des blessés. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 152.

SHOCK force.

See under **Parachute opening.**

SHOCK therapy.

See also **Psychotic,** Treatment; **Therapeutics,** Electroshock therapy; **War neurosis,** Treatment: Shock therapy.

Gherarducci, D. Osservazioni sull'efficacia dell'insulina nello shock alla Sakel durante e dopo la fine della guerra. Riv. pat. nerv., 1949, **70**: 218.—**Gordon, H. L.** Fifty shock therapy theories. Mil. Surgeon, 1948, **103**: 397–401.—**K., W. F.** Shock therapy in psychiatrie disorders. Bumed News Lett., Wash., 1944, **4**: 6–8.—**Nielson, J. M.** Insulin and metrazol treatment of psychoses. Mil. Surgeon, 1940, **86**: 298–304.—**Roberts, C. S.** Follow-up report of 74 patients treated by pharmacologic shock compared with matched controls. Med. Bull. Veterans Admin., 1942–43, **19**: 49–59.—**Shock** therapy. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 10, 11–3.

SHOCK ward.

See also **Shock,** Treatment: Organization of service.

Birchall, R. Management of the shock ward. Mil. Surgeon, 1946, **99**: 181–90.—**Castro O'Connor, R.** Shock; sala de resurrección; principios de las transfusiones; la experiencia del Ejército británico. Rev. san. mil., B. Air., 1944, **43**: 161–8.—**Setzler, L.** A shock ward in the ETO; shock ward setup and nursing personnel. Am. J. Nurs., 1944, **44**: 935–7.

SHOCK wave.

See also **Ballistics; Explosion.**

Beritov, I. S. Ob izmenenijakh v organizme ot vozdejstvija vozdušnoj udarnoj volny po nabljudeniam na ljudjakh i po opytam na životnykh. Voen. med. sborn., 1946, **3**: 15–31.

SHOE [and boot]

See also **Boot; Boot leather; Heat,** Clothing; **Ski troops.**

Draeger, R. H. Evaluation of crepe rubber sole and heel for shoes to absorb shock on steel decks. 3 l. 26½cm. Bethesda, 1945.

Forms Res. Proj. X-517 (NH6-1) U. S. Nav. M. Res. Inst.

Lindau, O. B. Des deutschen Soldaten Fuss und Fussbekleidung. 224p. 8° Berl., 1883.

Salquin, A. Die militärische Fussbekleidung. 125p. 8° Basel, 1883.

Astafjev, A. Portjanki. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 773–7.—**Effect** of low heel in Army shoes. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 8.—**Effect** of non-support in plantar arch of Army shoes. Ibid., 7.—**Gounelle.** La chaussure du soldat; avantages d'un soulier mixte à semelle de cuir et talon caoutchouté. Bull. Soc. méd. mil. fr., 1935, **29:** 44–7.—**Improved** last for military footwear. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 109–11.—**Kreglinger.** Zweckdienliche Fussbekleidung zur Steigerung der Marschleistung der Truppe. Münch. med. Wschr., 1937, **84:** 129–31.—**Lelyveld, J.** The Army shoe of 1940. J. Nat. Ass. Chiropod., 1940, **30:** No. 12, 11.—**Lossen, K.** Ein neuer Marschriemen. Deut. med. Wschr., 1916, **42:** 912.—**Mann, W. L.** Suggested modifications of the Marine shoe. U. S. Nav. M. Bull., 1919, **13:** 625–8.—**Nanni, C.** La calzatura. Gior. med. mil., 1931, **79:** 299–302.—**No** change in construction or procurement of Army shoes. J. Nat. Ass. Chiropod., 1942, **32:** No. 7, 23.—**Petrov, M.** Obuv voennaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1446–51.—**Robinson, A.** WACS and their shoes. J. Nat. Ass. Chiropod., 1943, **33:** No. 7, 9.—**Vokoun, F. J.** Shoes versus feet. Mil. Surgeon, 1936, **78:** 447.

—— anti-cold.

See under **Ski troops.**

—— Hygiene.

Magee, R. B., Davis, G. C., & Milstead, V. M. Observations on the relation of height of heel and support in arch of shoes to foot physiology in marching troops. 28 l. 29cm. Fort Knox, 1947.

Forms Proj. No. 53–1, U. S. Army M. Dep. Field Res. Laborat.

Schuster, O. N. A study of Navy and government issue work shoes and their possible modification to minimize foot dysfunction. 16p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-279, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. T-13: Survey of foot measurements and the proper fit of Army shoes; second partial report on study of sweating of the feet of marching troops. v. p. 28cm. Fort Knox, 1945.

Does her shoe pinch? Bull. Army M. Dep., Lond., 1944, No. 42, 5.—**Dolce, F. A.** Shoe dermatitis among soldiers. Mil. Surgeon, 1944, **95:** 505–7.—**Effect** of wearing sandals in reducing the incidence and severity of foot infections. Bumed News Lett., Wash., 1944, **4:** No. 9, 9.—**Magee, R. B., Davis, G. C., & Milstead, V. M.** Observations on the relation of height of heel and support in arch of shoes to foot physiology in marching troops. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 10, 1–28. ——— Relation of low-heel shoes to foot physiology in marching troops. Ibid., App. D, Proj. 1, No. 3, 1.—**Morimura, S.** Kōgun-byō to gunka to no kankei [Relationship between Army shoes and marching sickness] Gun idan zassi, 1927, 721–32, tab.—**Morisue, A.** Formaldehyde ni yoru kutu-kizu yobō-hō [The use of formaldehyde as a means of preventing shoe-sores] Ibid., 1940, 67–75.—**Relation** of support in arch of shoes to foot physiology in marching troops. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 132–5.—**Shoes** and care of the feet. Mil. Surgeon, 1918, **43:** 556–9.—**Uglov, V. A., & Kalmykova, P. E.** [Hygienic investigation of pneumatic soles] Tr. Acad. mil. méd. Kiroff, 1934, **1:** 347–56.

—— therapeutic.

See also various subheadings of **Foot; Shoe clamp.**

United States. Veterans Administration. Technical bulletin TB 10A-126: Instructions governing procurement and issue of orthopedic shoes. 10p. 27cm. Wash., 1948. Also Change 1 [1] l. 1948.

—— TB 10A-181: Orthopedic shoes. 13p. 27cm. Wash., 1949.

Dickerson, F. M. Alteration of shoes for arm amputees. Bull. U. S. Army M. Dep., 1947, **7:** 908.—**Dobrova, O.** Obuv ortopedičeskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1451–5.—**Special** shoes for soldiers with injured feet. Bull. U. S. Army M. Dep., 1945, **4:** 395.—**Substitute** (A) shoe correction. Med. Bull. U. S. Chief Surgeon Europ. Theater, 1944, No. 26, 19.

SHOE clamp.

See also **Shoe,** therapeutic.

Kissane, M. M. Removable clamp for attaching orthopedic brace to shoe. Bull. U. S. Army M. Dep., 1947, **7:** 149–51.—**Terhune, S. R.** A traction shoe clamp. Ibid., 1945, **4:** 480.

SHOE fitting.

See also **Foot,** Disease.

Schuster, O. N. Foot dimensions of 1,500 naval recruits in relation to shoe design. 9p. 26½cm. Bethesda, 1946.

Forms Rep. No. 3, Res. Proj. X-279, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. T-10: The design and fit of Army shoes. v. p. 28cm. Fort Knox, 1945.

—— Project No. T-13: Survey of foot measurements and the proper fit of Army shoes; first partial report on study of factors bearing on the establishment of size tariffs, on size designations, and on shoe fitting. v. p. 28cm. Fort Knox, 1945.

—— [The same] ... Third partial report; foot dimensions of soldiers. 164p. 26½cm. Fort Knox, 1946.

United States. Army. Office of the Quartermaster General. Army foot measuring and shoe fitting system. 57p. 15cm. Wash., 1918.

Forms No. 879, Doc. War Dep.

Cinefluorographic studies of shoe-foot relationship. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 8.—**Ferciot, C. F.** The fitting of shoes for naval personnel. U. S. Nav. M. Bull., 1944, **42:** 664–7.—**Importance** of the correctly fitted shoe, from U. S. Army manual. J. Nat. Ass. Chiropod., 1937, **27:** No. 9, 12–4.—**Knoblauch, F. J.** Survey of foot measurements and proper fit of Army shoes. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 2.—**Procedure** for shoe fitting. Bull. U. S. Army M. Dep., 1943, No. 70, 68; 1945, No. 84, 18.—**Survey** of foot measurements and proper fit of Army shoes. Res. Program U. S. Army M. Res. Bd, 1947, July, 102.

SHOOTING.

See also **Sharpshooter.**

Ross, S., & Williams, S. B. Firing tests of proposed shooting glasses. 21 l. 27cm. Camp Lejeune, 1945.

Forms Res. Proj. X-464, U. S. Nav. M. Field Res. Laborat.

Ranke, O. F. Zielen und Schiessen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 392–4.

SHORTAGE.

See under **Nurse, National defense aspect; Physician shortage.**

SHORT wave.

See also **Therapeutics; Thermotherapy.**

Badaines, N. H., & Barnard, E. Short-wave diathermy. Med. Bull. Veterans Admin., 1940–41, **17:** 31.—**Cignolini, P.** Impiego della marconiterapia negli assideramenti e nelle ipotermie traumatiche nell'Esercito in guerra. Gior. med. mil., 1939, **87:** 676–86.—**De Forest, L.** Short-wave diathermy. Mil. Surgeon, 1940, **87:** 330–6.—**Eftal Recai Aşar** [On the advantages of short-wave therapy in diseases of the blood] Askerî sıhhiye mecmuası, 1940, **69:** 72–9.—**Krusen, F. H.** Short-wave diathermy. Mil. Surgeon, 1940, **87:** 158–63.—**Owen, J. P.** Short-wave diathermy. U. S. Nav. M. Bull., 1939, **37:** 618–22.—**Remzi, H. Y.** [Application and methods of usage of short waves in therapeutics] Askerî sıhhiye mecmuası,

1933, **62**: 24–37.—**Rósa, L.** Feldprobleme in der Kurzwellentherapie. Strahlentherapie, 1938, **62**: 376–9.—**Schliephake, E.** Kurzwellentherapie im Kriege. Deut. Militärarzt, 1944, **9**: 325–30.—**Short** wave therapy. J. R. Army M. Corps, 1939, **72**: 48; 190.

SHOULDER.

See also **Extremity injury,** Upper extremity; **Fracture**—by site: Extremity, upper.

Bockoven, S. Inflammatory involvement of the bursae about the shoulder joint. U. S. Veterans Bur. M. Bull., 1930, **6**: 549.—**Laboureau.** Appareil d'immobilisation plâtrée du membre supérieur en position de fonction. Bull. Soc. méd. mil. fr., 1934, **28**: 125–7.—**Mahoney, H. O.** Radiographic study of the shoulder girdle. Treatm. Serv. Bull., Ottawa, 1947, **2**: 30.—**New** type shoulder ladder. Bull. U. S. Army M. Dep., 1945, No. 86, 29.—**Shepherd, J. A.** Loose bodies in the shoulder-joint. J. R. Nav. M. Serv., 1946, 168–72.

—— Dislocation.

See also **Surgical technic,** Shoulder.

Alvarez Alonso, A. Tratamiento de la luxación recidivante de hombro. Rev. españ. med. cir. guerra, 1945, **7**: 1–15.—**Castro, T.** Lujación habitual del hombro; su tratamiento; técnica de Putti. Rev. san. mil., Caradas, 1942, **1**: 153–68.—**Genz.** Die gewohnheitsmässige Ausrenkung des Schultergelenkes und die operative Behandlung im Reichsheer. Deut. Militärarzt, 1937, **2**: 58–62.—**Gunther, W. A., & Snell, W. E.** Treatment of acute acromioclavicular dislocations. U. S. Nav. M. Bull., 1947, **47**: 444–50.—**Lasher, W. W.** Recurrent dislocations of the shoulder. Mil. Surgeon, 1944, **95**: 263–6.—**Pervès & Badelon, P.** Étude de quelques récidives de luxation de l'épaule (variété antéro-interne) après constitution de butées coracoïdiennes. Arch. méd. pharm. nav., 1937, **127**: 60–74.—**Plisson & Clavelin.** Au sujet des luxations récidivantes de l'épaule. Bull. Soc. méd. mil. fr., 1923, **17**: 157.—**Satta, F.** Lussazione della spalla bilaterale, simultanea, da contrazione muscolare. Ann. med. nav., Roma, 1931, **37**: pt 1, 40–3.—**Wood, J. P.** Posterior dislocation of the head of the humerus and the diagnostic value of lateral and vertical views. U. S. Nav. M. Bull., 1941, **39**: 532–5, pl.

—— Injury.

See also **Surgical technic,** Shoulder.

Aïvazian, L. H. *Les arthrites suppurées post-traumatiques de l'épaule par plaies de guerre et leur traitement par la résection. 83p. 8° Lyon, 1919.

Biancardini, A. Pseudarthrose humérale consécutive à une blessure de guerre; enchevillement centrale; résultat après un an. Afrique fr. chir., 1948, 29–31.—**Chavigny.** Physiothérapie tardive des traumatismes de l'épaule. Bull. Soc. de méd. mil. fr., 1909, **3**: 534.—**Coullaud, H.** Pseudarthrose scapulo-humérale consécutive à une plaie par balle de l'épaule, ayant nécessité une résection; fistules persistantes; curettage et greffes musculaires; guérison. Ibid., 1922, **16**: 218.—**Desplas & Chevalier.** Vaste plaie par balle française (prisonnier allemand) maxillo-scapulaire droite; résection de la jugulaire interne pour ulcération secondaire; résection acromioclaviculaire pour ostéomyélite; suture secondaire de la plaie; guérison complète cinquante jours après la blessure. Presse méd., 1916, **24**: 196.—**Folly & Salinier.** Coup de feu transversal de l'épaule gauche et du thorax par balle de fusil de petit calibre. Arch. méd. pharm. mil., 1912, **60**: 530–8.—**Hart, V. L.** Immobilization of the irreparably injured shoulder joint. Bull. U. S. Army M. Dep., 1946, **5**: 366.—**Hickson, S.** Wounds of the shoulder joint. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 210–3.—**Hirtz.** Des lésions traumatiques de l'épaule; observations et résultats de traitement. Bull. Soc. méd. mil. fr., 1912, **6**: 277–84.—**Hodgkins, J. R.** Rupture of scapulo-humeral, capsular, ligaments. J. R. Army Vet. Corps, 1940–41, **12**: 121.—**Ramírez Rivas, R.** Herida por arma de fuego; orificio de entrada en la parte media triángulo supraclavicular; hemorragía; parálisis primitiva de los nervios del hombro y brazo. Rev. san. mil., Madr., 1912, 3. ser., **2**: 771–9.

SHOULDER harness.

See **Harness; Safety,** Devices.

SHOWER.

See **Bath.**

SHRAPNEL.

See **Ballistics; Orbit,** Injury; **Projectile; Rectum,** Injury; **Shell; Spinal cord,** Injury; **Urogenital apparatus,** Bladder: Injury.

SIBERIA.

See under **World War I.**

SIBERIAN Expedition (1918–22)

See under **Wars and campaigns.**

SICILY.

See under **World War II.**

SICK.

See also **Casualty,** Reporting; **Civilian defense,** Protection of the sick; **Prisoner of war,** Sick and wounded; **Wounded.**

Chalk, S. G. Royal Canadian Air Force regulation regarding sick personnel. Bull. Vancouver M. Ass., 1942, **19**: 13.—**Frank, J. D.** Emotional reactions of American soldiers to an unfamiliar disease. J. Mil. M. Pacific, 1945, **1**: No. 4, 36–45.—**Hogan, B. W.** Psychology of the sick. U. S. Nav. M. Bull., 1935, **33**: 373–8. ——— Understanding the sick. Hosp. Corps Q., 1943, **16**: No. 4, 46–52.—**Kjellström, C. B.** [Brief summary of certain regulations relative to the administration of the grant for care of sick soldiers] Tskr. mil. hälsov., 1933, **58**: 198–200.—**Löfberg.** [Organization of care for the sick; general surgical therapy; dermatoplasty] Lunds läk. säll. förh. (1917–18) 1918, 17–27.—**Modena, B.** Le tonalità affettive nei malati di guerra. Med. nuova, 1920, **11**: 54–63.—**Poppen, J. R.** A sick list without diagnoses. Hosp. Corps Q., 1949, **22**: No. 2, 6.—**Rudakov, F.** Figurno-cvetnye marki v praktike vraća-sortirovščika. Voen. med. J., Moskva, 1945, April, 41.

SICKBAY.

See also **Epidemic,** Hospital epidemic.

Andreev, V. A. Lazarety na sudakh Chernomorskago flota. Med. pribav. morsk. sborn., S. Peterb., 1909, pt 2, 265–93. ——— Glavnye perevjazočnye punkty na nekotorykh sudakh Chernomorskago flota v svjazi s voprosom o meste perevjazočnago punkta na korable. Ibid., 1910, 71–101.—**Gobel, F.** Das Krankenrevier im Kriegsgebiet. Deut. Militärarzt, 1942, **7**: 544–6.—**Holzwarth, F. K., & Thralls, W. W.** Seabee sickbay. U. S. Nav. M. Bull., 1946, **46**: 292–5.—**Lampson, R. S., & Brouillette, J. H.,** jr. Sickbay suggestions for Navy schools. Ibid., 1943, **41**: 1444–6.—**Oliver, H. G.** Improvising a sick bay in New Caledonia. Hosp. Corps Q., 1943, **16**: No. 3, 115.—**Richey, J. K.** Sickbay an emergency hospital. Ibid., 1945, **18**: 73.—**Widmeyer, R. S.** Sick bay of a sub tender. Ibid., 53–6.

SICK call.

See also **Dispensary.**

Goldman, G. S. The psychology of sick call. Bull. U. S. Army M. Dep., 1946, **6**: 71–5.

SICK leave.

See under **Leave.**

SICKNESS.

See also under names of specific diseases; also **Disease; Mountain sickness; Sea sickness; Serum sickness; Sick; Swing sickness.**

Chapman, A. L. Chronic disease. Mil. Surgeon, 1950, **106**: 106–10.—**Todd, J. W.** The chronic medical case in the Army. Brit. M. J., 1944, **1**: 19.—**Voûte.** Die Versorgung der chronisch Kranken der Armee. Schweiz. med. Wschr., 1940, **70**: 730.

SIEGE.

See also under **Wars and campaigns; World War II.**

Jones, G. C. The sanitary aspect of a besieged town. J. R. Army M. Corps, 1912, **19**: 576–8.—**Laumonier, J.** La névrose obsidionale. Gaz. hôp., 1914, **87**: 775–7.

SIERRA Leone.

See under **World War II.**

SIGHT saving.

See with **Vision.**

SIGMOID.

See also **Rectum.**

Aberastain Oro, R. L. Dólico-megasigma idiopático. Rev. san. mil., B. Air., 1946, **45**: 973–81.—**Bean, L. L.** Malignancies of the sigmoid colon. U. S. Nav. M. Bull., 1949, **49**: 685–91.—**Cope, L. F., & Weldon, S. G.** Carcinoma of the pelvic colon; perforation; peritonitis; death. J. R. Nav. M. Serv., 1925, **11**: 291.—**Huston, J.** Intensive penicillin therapy in free perforation of carcinoma of sigmoid colon. J. R. Army M. Corps, 1948,

91: 131.—**Notti, R. A., & Alascio, R.** Consideraciones sobre un caso de vólvulo del sigmoides. Rev. san. mil., B. Air., 1946, 45: 229–37.—**Staderman, A. H., & Booth, R. E.** Volvulus of the sigmoid colon; report of a case. U. S. Nav. M. Bull., 1949, 49: 75–85.

SIGMOIDOSCOPY.

See also **Proctology; Rectum;** also **Dysentery,** Diagnosis.

Taylor, N. M. Knee-shoulder position unit for sigmoidoscopy. Bull. U. S. Army M. Dep., 1946, 5: 136.—**Wertheimer, H. M.** Routine sigmoidoscopy; a review of 300 consecutive examinations. U. S. Nav. M. Bull., 1949, 49: 681–4.

SIGMOID sinus.

For its thrombosis see **Nervous system,** Disease.

SIGNAL [and signaling]

See also **Photography; Radar; Radio.**

Farnsworth, D. Proposed specifications of red and green Navy signal lights. Revised. 17 l. 28cm. N. Lond., 1948.

Forms No. 16, Col. Vision Rep. (or, Proj. X–265) U. S. Nav. M. Res. Laborat.

Rowland, L. S. Intensity as a factor in recognition of colored light signals. 7p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 37, U. S. Air Force School Aviat. M.

Baxter, J. P., III. Radar and loran. In his Scientists Against Time, Bost., 1946, 136–57. ——— Radar countermeasures. Ibid., 158–69.—**Laval, E.** Signaux à distance pendant la nuit; nouvelle lampe signal. Caducée, Par., 1912, 12: 78.—**Moore, R. S.** Signal communications. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 142–4.

SIGNAL Corps.

See also **Operation,** arctic.

Blair, E. A., & Gottschalk, C. W. Efficiency of Signal Corps operators in extreme cold. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 2, 1–17.—**Bridgman, D. S.** Skilled manpower for the Signal Corps. Bell Telephone Mag., 1943, 22: 164–77.—**Signal** Corps. In: Science & Pub. Policy (U. S. President Sc. Res. Bd) Wash., 1947, 2: 45–8.

SIGNAL troops.

Critchley, M. Aphasic disorders of signalling, constitutional and acquired, occurring in naval signalmen. J. Mount Sinai Hosp. N. York, 1942–43, 9: 363–75.—**Sickness** rates among cooks and orderlies employed with Signal Units and with other units [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 48.—**Vision** (The) of signalmen at sea. Lancet, Lond., 1919, 2: 619.

SILICA [incl. silicate]

Fourt, L., & Logan, M. A. Hydrophobic silica aerogel. 12p. 28cm. Wash., 1944.

Forms No. 403, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Iziri, M. Keisan natrium no seibutu-teki sayō [The biological effects of sodium silicate] Gun idan zassi, 1924, 366–75, 2pl.

SILICA aerogel fabric.

See under **Textile.**

SILICOSIS.

See also **Lung disease; Tuberculosis.**

Amsler, R. Un cas de silicose chez un gendarme; considérations pratiques et enseignement. Bull. Soc. méd. mil. fr., 1946, 40: 137–9.—**Brown, E. W., & Klein, W. E.** Silicosis among naval foundrymen. U. S. Nav. M. Bull., 1942, 40: 42–52.—**Cassou & Biancardi.** A propos d'un cas de silicose pulmonaire probable. Bull. Soc. méd. mil. fr., 1934, 28: 101–10.—**Ivanov, L. P., & Ivanovsky, B. D.** [Clinical aspect and pathogenesis of silicosis of the lungs] Tr. Acad. mil. méd. Kiroff, 1935, 2: 29–39.—**Lee, J. H.** Silicosis in tuberculosis. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 64–6.—**Matz, P. B.** Pathology of the lungs and other organs in silicosis. Mil. Surgeon, 1937, 81: 88–117.—**Riley, E. M., Butler, R. W., & Goren, S.** Silicosis in foundries of naval gun factory. U. S. Nav. M. Bull., 1945, 44: 653–60.—**Steen, G. A.** A case of silicosis with bilateral pneumothorax. J. R. Nav. M. Serv., 1941, 27: 295.

SILVER stain.

United States. Department of the Army. Technical bulletin MED 228: Silver or silver nitrate stains. 2p. 26cm. Wash., 1947.

Goodall, R. E. Evaluation of ammoniacal silver nitrate. U. S. Nav. M. Bull., 1944, 42: 897–901.—**Removing** stains of colloidal silver. Ibid., 1919, Suppl. No. 9, 97.—**Silver** or silver nitrate stains. Med. Bull. U. S. First Army, 1948, 3: No. 2, 7.

SINE wave.

Ellson, D. G., & Gray, F. E. Frequency responses of human operators following a sine wave input. 41p. 26½cm. Dayton, 1948.

Forms No. MCREXD–694–2N, Memo. Rep. Aero M. Laborat. U. S. Air Force.

SINGAPORE.

See **Base,** naval; **Internee; World War II.**

SINO-JAPANESE War (1894–95)

See under **Wars and campaigns.**

SINUS.

See **Nasal sinus;** also **Pilonidal cyst.**

SINUSITIS.

See **Nasal sinus,** Inflammation; also **Maxillary sinus; Sphenoid sinus.**

SITUS inversus.

See under **Heart; Viscera.**

SKELETAL system.

See also **Musculoskeletal system;** also **Extremity injury; Fracture; Head injury; Joint; Osteitis;** also names of bones and headings beginning with Osteo.

Clarke, J. B. A case of phalangeal necrosis. J. R. Army M. Corps, 1908, 10: 421.—**Ettorre, E.** A proposito del metodo chiuso di cura delle ferite osteo-articolari nella guerra di movimento. Boll. Soc. piemont. chir., 1940, 10: 185–94.—**Honecker, K.** Ueberlastungsschäden am Knochensystem. Deut. Militärarzt, 1943, 8: 234–41.—**W., J. M., & S., E.** Scheuermann's disease (osteochondritis juvenilis) J. R. Army M. Corps, 1945, 84: 187.

SKELETAL traction.

See under **Fracture,** Apparatus; **Jaw,** Injury: Fracture.

SKILL.

See also **Neuropsychiatric examination,** Psychological tests; **Psychomotor test; Psychotechnics;** also **Medical examination,** Aptitude test.

Altus, W. D. Racial and bi-lingual group differences in predictability and in mean aptitude test scores in an Army special training center. Psychol. Bull., 1945, 42: 310–20.—**Army** (The) General Classification Test. Ibid., 760–8.—**Crawford, A. B., & Burnham, P. S.** Educational aptitude testing in the Navy V–12 program at Yale. Ibid., 301–9.—**Dvorak, B. J.** The new USES General Aptitude Test Battery. J. Appl. Psychol., 1947, 31: 372–6.—**Hays, C. E.** Army instruments of individual appraisal. Occupations, 1941–42, 20: 519.—**Melton, A. W.** Standard classification tests; the Santa Ana finger dexterity test (CM116A) Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 4, 464–500.—**Stewart, N.** Relationship between military occupational specialty and Army general classification test standard score. Educ. Psychol. Measur., 1947, 7: 677–93.—**Stuit, D. B., & Wilson, J. T.** The effect of an increasingly well defined criterion on the prediction of success at Naval Training School (Tactical Radar) J. Appl. Psychol., 1946, 30: 614–23.

SKILL fatigue.

See with **Aviator,** Fatigue.

SKIN.

See also **Dermatitis; Dermatology; Dermatosis; Diphtheria,** cutaneous; **Gas poisoning,** Pathology:

Skin; also names of skin diseases as **Psoriasis,** etc.; also **Quinacrine dermofluorometer.**

PFEIFFER, C. C., & SNYDER, R. The use of a commercial dermofluorometer to measure skin fluorescence of subjects on suppressive quinacrine therapy. 13p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-429, U. S. Nav. M. Res. Inst.

TRUMPER, M. Skin irritation of one per cent pyridyl mercuric chloride. [1] l. 26½cm. Bethesda, 1944.

Forms Rep. No. 12, Res. Proj. X-180, U. S. Nav. M. Res. Inst.

Andreeva, Z. A. K voprosu o taktilnoj i bolevoj čuvstvitelnosti kožі v normalnykh i patologičeskikh uslovijakh. Voen. med. sborn., 1946, **3:** 243–61.—**Evseev, A. A.** [Contents of reducing substances in skin of various animals] Tr. Acad. mil. méd. Kiroff, 1936, **5:** 121–5.—**Milana, G.** La sopravvivenza dei germi sulla cute umana. Gior. med. mil., 1939, **87:** 710–23.—**Soldier** (The) and his skin; dermatological problems in military medicine. What's New, North Chic., 1943, No. 67, 9.—**Verrotti, G.** L'adattabilità della pelle alle vicende morbose nella funzione di difesa dell'organismo. Gior. med. mil., 1935, **83:** 418–23.—**Vierthaler, R. W.** Ueber Beziehungen zwischen Keimgestalt und physiologischer Beschaffenheit der Hautoberfläche. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 124 (Abstr.)—**Winter, H. G.** The care of the normal skin. J. R. Army M. Corps, 1930, **55:** 271–83.

—— Disease.

See also **Dermatitis; Dermatophytosis; Dermatosis; Mycosis; Tinea; Tumor,** etc.

Binazzi, M. Considerazioni su di un caso di parapsoriasi guttata. Ann. med. nav., Roma, 1942, **48:** 153–63.—**Kemal Arican** [Case of Mibelli's parakeratosis] Askerî sihhiye mecmuası, 1940, **69:** 114–7.—**Measham, J. E.** A case of seborrhoea complicated by pyogenic dermatitis. J. R. Army M. Corps, 1924, **42:** 216.—**Mgebrov, M. G., & Kugusheva, N. I.** [Clinical aspect, etiology and pathogenesis of eczematid] Tr. Acad. mil. méd. Kiroff, 1936, **5:** 303–37.—**S., J. M.** The common skin diseases; pityriasis rosea. Bumed News Lett., Wash., 1944, **4:** No. 7, 24.

—— Sterilization.

See under **Sterilization.**

SKIN detergent.

See **Detergent.**

SKIN graft.

See **Burns,** Surgery; **Plastic surgery,** Technic; **Surgical technic,** Grafting.

SKIN resistance (electrical)

See with **Nerve injury,** Physiopathology.

SKI surgery.

Watts, J. C. Ski surgery. J. R. Army M. Corps, 1944, **83:** 96–9.

SKI troops.

See also **Winter warfare.**

LIBENSKÝ, V. Mezinárodni vojenské závody lyžařské v Tatrách 1926. p.144–208. 23½cm. Praha, 1926.

Voj. zdrav. listy, 1926, **2:**

Cultrone, S. Osservazione fisio-morfologiche sugli sciatori a Passo Rolle (m. 2000) Gior. med. mil., 1933, **81:** 374–7. ——— Contributo allo studio dell'albuminuria da lavoro negli sciatori. Ibid., 853.—**Dybowski, W.** [Study on respiration in ski-runners] Lek. wojsk., 1927, **10:** 512–5. ——— [Functional state of the organs of circulation in the foremost skiers of Poland] Ibid., 1939, **34:** 45–51.—**Latarjet, A.** Résultats de quelques examens pratiqués sur des skieurs au XXII[e] concours international de la Fédération française de ski (Briançon-Mont-Genève, 13–19 février 1933) Arch. méd. pharm. mil., 1933, **99:** 219–29.—**Manufacture of** anti-cold shoes for ski troops. Med. Targets, 1945, No. M-AB, 98.—**Wacker, T.** Valeur des examens médico-sportifs pour le choix et le contrôle des skieurs militaires. Praxis, Bern, 1937, **26:** 430; 462.

—— Injury.

LIBARELLI, L. *Appareillage d'urgence des fractures de jambe par accidents de skis; évacuation en haute montagne hivernale. 50p. 24cm. Par., 1940.

Brown, W. E., jr, & Brown, M. J. Military ski fractures. Bull. U. S. Army M. Dep., 1943, No. 69, 42–5.—**Iliescu, C. N.** [Fractures acquired during ski sport] Rev. san. mil., Bucur., 1932, **31:** 137–40.—**Junet.** Les traumatismes dus à la pratique du ski. Deut. Militärarzt, 1940, **5:** 560 (Abstr.)—**Madey, J.** [Reasons for obligatory skiing courses for aviation students and the injuries resulting from it] Lek. wojsk., 1939, **33:** 546–52.

—— Medical service.

See also **Ambulance,** sleigh; **Ski surgery.**

Ivanov, G. V. [Sanitary service for the ski batallion during military operations] Tr. Voen. morsk. med. akad., 1941, **1:** 119–30.—**Schickelé, J. M. A.** L'adaptation au ski du cadre-gouttière d'immobilisation et de transport du Service de santé. Arch. méd. pharm. mil., 1926, **85:** 76–80.

—— Training.

Cornejo Garrido, G. Estudio fisiológico de un curso de esquí militar. Bol. educ. fís., Santiago, 1946–47, **13:** 7–17.—**Harvey, P. W.** Ski training. J. R. Army M. Corps, 1948, **91:** 295–7.—**Nicol, R. J. A.** The B. A. O. R. ski and snow warfare school. Ibid., 1949, **92:** 313–5.—**Villalobos R., J. C.** Nuestras razones; sobre estudio fisiológico de un curso de esquí militar. Bol. educ. fís., Santiago, 1947–48, **14:** No. 54, 18–25.

SKULL surgery.

See **Neurosurgery,** Methods: Brain and cranium.

SLED.

See also **Ambulance,** sleigh.

Johnson, J. B., jr, & Wilson, G. H. The Pico rescue sled. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 219. ——— Sleds, straight and folding. Ibid., 223.

—— arctic.

See with **Emergency kit.**

SLEEP.

See also **Narcolepsy.**

Crofton, J. W. Abnormalities of sleep. J. R. Army M. Corps, 1943, **80:** 314–20.—**Ferron, L.** Sur un cas de rythmie à la caserne. Caducée, Par., 1913, **13:** 201.—**Tokunō, R.** Suimin izyō no iti rei [Case of sleep abnormality] Gun idan zassi, 1930, 544–8.

SLEEPING bag.

HANSELMAN, N. K. Vacuum packing sleeping bags. 12p. 27cm. Dayton, 1949.

Forms No. MCREXD-670-22L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

IRVING, L., & SCHOLANDER, P. F. On the use of an artificial fiber in sleeping bags for cold climates. 3p. 28cm. Wash., 1942.

Forms No. 87, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

SCHOLANDER, P. F., EDWARDS, G. A. [et al.] Reindeer hair as compared with other insulating materials for sleeping bags. 7p. 28cm. Wash., 1942.

Forms Rep. No. 85 of preceding research project.

SCHOLANDER, P. F., EDWARDS, G. A., & IRVING, L. Comparison of bubble fill with other sleeping bag materials. 3p. 28cm. Wash., 1942.

Forms Rep. No. 86 of preceding project.

Hanselman, N. K. The development of vacuum packing for sleeping bags. Techn. Data Digest, Dayton, 1949, **14:** No. 22, 17–9, illust.—**Improvised** sleeping bag. Bull. Army M. Dep., Lond., 1944, No. 31, 7.—**Sleeping** bag for evacuation of wounded. J. Am. M. Ass., 1944, **124:** 780.

SLEEPING sickness.

See **Trypanosomosis,** African.

SLEEP paralysis.

See also **Paralysis,** periodic.

Teske, W. Zur Kenntnis cerebral bedingter schlaffer Lähmungen. Deut. Militärarzt, 1944, **9:** 82–4.—**Van der Heide, C., & Weinberg, J.** Sleep paralysis and combat fatigue. Psychosomat. M., 1945, **7:** 330–4.

SLEIGH.

See **Ambulance**, sleigh; also **Sled.**

SLING.

Arm sling improvised from ordinary shirt. Bumed News Lett., Wash., 1943, **2**: No. 9, 13.—**Blackwood, J. D.**, jr. Casualty sling. U. S. Nav. M. Bull., 1942, **40**: 186.—**Cottell, M.** A home-made carrying sling (the A. B. C. sling) J. R. Army M. Corps, 1935, **65**: 269.—**Warren, M.** Improvised arm sling. Hosp. Corps Q., 1944, **17**: No. 3, 77.

SLUDGE.

See also **Sewage.**

Koruzo, J. E. Operation of diffused air activated sludge sewage treatment plants serving Army camps. Sewage Works J., 1944, **16**: 978–85.

SMALL arms.

See **Firearm; Injury**—by weapons: Small arms; **Weapon**, Small arms; **Wound**—by weapons: Small arms.

SMALLPOX.

Ashburn, P. M. The days gone by; smallpox: the plague of Athens, 430–427 B. C. Mil. Surgeon, 1931, **69**: 188–90.—**Belikov, L.** Ospa naturalnaja (variola vera) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 104–9.—**Cleave, T. L.** A case of haemorrhagic smallpox. J. R. Nav. M. Serv., 1939, **25**: 168.—**Gins, H. A.** Pocken. In: Wehrhygiene (Handloser, S.) Berl., 1944, 135.—**Heagerty, J. J.** Smallpox once stopped a war. Health, Toronto, 1937, **5**: 74–6.

—— Alastrim.

Warner, A. Some notes on the diagnosis of mild smallpox. J. R. Nav. M. Serv., 1930, **16**: 210–20.

—— Control and prevention.

Hill, F. S. Fighting small-pox. J. R. Army M. Corps, 1928, **51**: 45–9.—**Kiyosawa, K.** Kentō ni tai-suru iti-ni no tyōsa [A few investigations regarding smallpox control] Gun idan zassi, 1929, 932–8.—**Sayan, N.** Bir çiçek salgını nasıl söndürülür. Askerî sıhhiye mecmuası, 1947, **76**: No. 49, 1–7.

—— Diagnosis.

Flocculation (The) test in the diagnosis of smallpox. J. R. Army M. Corps, 1931, **57**: 291–6.—**Laboratory** diagnosis of smallpox. Bull. Army M. Dep., Lond., 1945, No. 44, 2.—**Sturdee, E. L.** Small-pox. J. R. Nav. M. Serv., 1928, **14**: 229–40.

—— Incidence.

Agerty, H. A. An outbreak of smallpox in American military personnel in Japan. N. England J. M., 1947, **237**: 305–9.—**Bauer, F. K.**, & **Watkins, J. H.** Smallpox. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 73.—**Boeck, V. H. F.** Smallpox among U. S. soldiers in Korea. Bull. U. S. Army M. Dep., 1946, **6**: 45–58. ——— Small pox among U. S. Army forces in Korea. J. Mil. M. Pacific, 1946, **2**: No. 4, 2–16.—**D'Arcy, E. N. S., Moore, P. A. H.**, & **Whetter, C. W.** Smallpox on a New Zealand hospital ship. N. Zealand M. J., 1943, **42**: 195–9, pl.—**Fabre, J.** Evolution de la variole dans le monde pendant et après la deuxième Guerre mondiale. Rapp. épidém., Genève, 1947–48, **1**: 268–89.—**Gins, H. A.** Ueber die Verbreitung der Pocken in Deutschland und Oesterreich seit Kriegsausbruch. Deut. med. Wschr., 1919, **45**: 661.—**Gleitsmann, H.** Die Pocken. In: Kriegssan. Ber. Deut. Marine, Berl., 1935, **3**: 160–81.—**Gordon, J. E.** Smallpox. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 4, 23.—**Guilhaud.** La variole en France pendant la guerre. Médecine, Par., 1919, **1**: 162.—**Johnstone, G. G.** A short account of an outbreak of small-pox in occupied Germany. Lancet, Lond., 1920, **1**: 1105.—**Leishman, A. W. D.** An outbreak of smallpox in British troops with a note on the use of sulphathiazole in treatment. J. R. Army M. Corps, 1944, **82**: 58–62.—**Melhorn, K. C.** Smallpox in Haiti. U. S. Nav. M. Bull., 1921, **15**: 492, pl.—**Pilades Canovi.** La viruela en Entre Rios. Rev. san. mil., B. Air., 1936, **35**: 54–6.—**Randel, H. W.** A smallpox epidemic in the Galapagos Islands. Bull. U. S. Army M. Dep., 1949, **9**: 261–3.—**Rentería Beltrán, S.** La viruela endémica en el norte del país. Rev. san. mil., B. Air., 1944, **43**: 459–79.—**Rice, T. B.** Smallpox in returning servicemen. Month. Bull. Bd Health Indiana, 1946, **49**: 75.—**Schulze, H. A.** An outbreak of smallpox. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 5, 29–42.—**Shiers, L. G. P.** An account of a smallpox epidemic. J. R. Nav. M. Serv., 1947, **33**: 281–5.—**Smallpox** appears again. Bull. U. S. Army M. Dep., 1946, **5**: 254.—**Small-pox** on board. Bull. Army M. Dep., Lond., 1942, No. 18, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 39.—**Smallpox** in civilians at an air field. Bull. U. S. Army M. Dep., 1944, No. 83, 27.—**Variole.** Statist. méd. Armée (France) (1894) 1896, 73–6.—**Willoughby, H.** Two cases of variola major. J. R. Nav. M. Serv., 1938, **24**: 232–7.—**World** prevalence of smallpox during and after the second World War. Chron. World Health Org., 1948, **2**: 278–81.

—— Pathology.

Palmer, P. F. Atypical smallpox. J. R. Army M. Corps, 1941, **76**: 290–3.

—— Treatment.

Cottrell, J. D., & **Knights, H. T.** Notes on cases of smallpox treated with sulphanilamide. J. R. Army M. Corps, 1943, **81**: 7–15.—**King, C.**, & **de Rozario, K. A.** Prontosil in smallpox. Ibid., 1938, **71**: 404–6.—**Osborne, J.** The treatment of smallpox. Ibid., 1945, **85**: 87–9.—**Sulfonamides** in smallpox. Bumed News Lett., Wash., 1944, **3**: No. 10, 15.—**Vargas, F. R.** El salol en el tratamiento de la viruela. Gac. méd. mil., Méx., 1930–31, **1**: No. 5, 12–21.—**Weeks, K. D.**, & **McClelland, W. S.** Hemorrhagic smallpox; report of a case with recovery; treatment with massive doses of penicillin. U. S. Nav. M. Bull., 1947, **47**: 707–15.

—— Vaccination.

See also **Vaccination; Vaccinia.**

Gyllenswärd, C. E. Skyddskoppympningen i barnaåren i belysning av utfallet av ympningar inom svenska armén 1908–1933. p.1–104. 22cm. Lund, 1934.

Tskr. mil. hälsov., 1934, **59**:

Roddis, L. H. Edward Jenner and the discovery of smallpox vaccination. 155p. 8° Menasha, 1930.

Also Mil. Surgeon, 1929, **65**: 645; 844; 1930, **66**: 6.

Confalone, R. Ricerche sperimentali sull'influenza reciproca delle vaccinazioni antitifica e jenneriana. Gior. med. mil., 1932, **80**: 202–8, 5 pl.—**Coudray, F. E. C.** La vaccination jennerienne dans l'armée; ses origines, ses principales étapes. Arch. méd. pharm. mil., 1931, **94**: 599–618.—**Cox, W. C.** Smallpox and vaccination. In: Med. Mil. Sympos. (Kans. City S. W. Clin. Soc.) 1934, 23.—**Evans, Q. F.** A quick routine for vaccination. J. R. Army M. Corps, 1945, **85**: 138.—**Gyllenswärd, C.** [Smallpox inoculation of children and results of inoculation in the Swedish Army] Tskr. mil. hälsov., 1935, **60**: 93; 183, 7 pl.—**Human** reactions to live and heated vaccine virus. Res. Program U. S. Army Med. Res. Bd, 1946, Oct., 100–2.—**Insistent** (An) lie; the Franco-German war statistics. Vaccination, Terre Haute, 1904, **7**: No. 6, 6.—**Jenner's** work and the present position of vaccination. J. R. Army M. Corps, 1946, **86**: 226.—**Kaiser, M.** Der zweite Bericht des englischen Komitees zum Studium der Blatternschutzimpfung. Mitt. Volksgesundhamt., Wien, 1931, 17; passim. ——— Ueber die Verwendung trockener Blatternimpfstoffe im Felde. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 127–36.—**Kathe.** Die Vaccine-Immunität der Rekruten. Deut. Militärarzt, 1937, **2**: 433–6.—**Kostarczyk, S.**, & **Rosnowski, M.** [Anemia as complication of vaccination] Lek. wojsk., 1930, **16**: 49–60.—**Le Bourdelles, A. C. B.** Sur le vaccin jennérien de culture. Bull. Soc. méd. mil. fr., 1937, **31**: 141. ——— La culture du virus jennérien et ses applications vaccinales. Rev. Serv. san. mil., Par., 1937, **106**: 811–22. ——— Sur le vaccin jennérien de culture; son emploi dans la revaccination de l'adulte. Bull. Soc. méd. mil. fr., 1939, **33**: 207–17.—**Lehmann, W.** Revaccinationsergebnisse bei Rekruten. Deut. Militärarzt, 1937, **2**: 436–9.—**Lindeman, S. J. L.** Vaccination of Royal tank corps recruits. J. R. Army M. Corps, 1934, **62**: 360–2.—**Lindvall, H.** [Smallpox and revaccination] Tskr. mil. hälsov., 1928, **53**: 1–14, ch. ——— Quelques expériences sur la révaccination faites dans l'armée Suedoise au cours de l'année 1929. Arch. méd. belges, 1931, **84**: 615–9. ——— [Revaccination of recruits] Tskr. mil. hälsov., 1932, **57**: 13–23.—**Long, A. P.** Smallpox vaccination. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: 7–10.—**Mackenzie, M. D.** Notes on some preliminary observations on vaccination amongst recruits at Woolwich (Royal Artillery Depot) J. R. Army M. Corps, 1928, **51**: 161–78. ——— & **Elkington, E. H. W.** Further observations upon vaccination at Woolwich, 1926–27. Ibid., 321–33.—**Mäder, H.** Der Einfluss der Pockenschutzimpfung auf die Senkungsgeschwindigkeit der roten Blutkörperchen. Deut. Militärarzt, 1937, **2**: 204–6.—**Murillo Ubeda, R.** La vacunación antivariólica: sus problemas actuales. Rev. san. mil., Madr., 1935, **25**: 180–90.—**Orosco, G.** Vacunación intradérmica en la profilaxia de la viruela. Rev. mil., La Paz, 1938, **2**: 991–6.—**Piedrola Gil, G.** Viruela, vacuna, vacunación; algunas consideraciones de índole práctica. Med. & cir. guerra, 1947, **9**: 711–25.—**Potency** of smallpox vaccine. U. S. Nav. M. Bull., 1934, **32**: 215.—**Proper** vaccination, the only method to prevent smallpox. Bull. U. S. Army M. Dep., 1946, **5**: 651–5.—**Ramos, A.**, & **Piédrola, G.** Notas previas a la producción de vacuna antivariólica. Rev. españ. med. cir. guerra, 1943, 2. época, **6**: 17–25.—**Smallpox** vaccination. Bull. U. S. Army M. Dep., 1944, No. 79, 2.—**Tikano, H.** Syutō ga tōsō rikan oyobi sono yogo ni oyobosu eikyō ni tuite [Ueber die Pockenimpfungswirkung auf die Pockenerkrankung und deren

Prognose] Gun idan zassi, 1931, 1091–103.—**Valatx.** Les variations de la formule hémoleucocytaire au cours de la vaccination triple. Bull. Soc. méd. mil. fr., 1937, **31:** 466–8.—**Van Auken, H. A.** Smallpox. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 1–5, pl., ch.—**Ward, J. A.** Results of vaccinating 268 B. O. R.s upon their arrival from the U. K. J. R. Army M. Corps, 1945, **85:** 136–8.—**Wood, L.** A letter from Major General Leonard Wood, M. D. Boston M. & S. J., 1922, **186:** 865.

SMITH-PETERSEN nail.

See **Surgical technic,** Nailing.

SMOKE screen.

Casualties from screening smokes. Bull. Army M. Dep., Lond., 1945, No. 48, 8.—**Kulowski, J.** Accidental gas casualties; screening smoke can cause death. Hosp. Corps Q., 1949, **22:** 23–5.—**Pulmonary** damage causes by FS smoke. Bull. U. S. Army M. Dep., 1945, No. 84, 6.—**Sauer, J. S.** The need for smoke in landing operations. Chem. Warf. Bull., 1939, **25:** 69–74.—**Smoke** in the assault. Milit. Rep., Wash., 1943, No. 2, 24–8.—**Whitaker, P. H.** Radiological appearances of the chest following partial asphyxiation by a smoke screen. Brit. J. Radiol., 1945, **18:** 396.

SMOKING.

See also **Drug addiction.**

Chinn, H. I. The effect of smoking at simulated altitudes on carboxyhemoglobin formation. 3p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 231, U. S. Air Force School Aviat. M.

Atkinson, E. L. Four cases of tobacco amblyopia. J. R. Nav. M. Serv., 1924, **10:** 297.—**Crampton, C. W.** The cigarette, the soldier, and the physician; fundamental factors of the problem. Mil. Surgeon, 1941, **89:** 1–13.—**Diller.** Zigarren mit künstlichem Umblatt. Veröff. Heer. San., 1943, **15:** No. 113, 137–41.—**Fehr, O.** Die Tabaksamblyopie in der Kriegszeit. Berl. klin. Wschr., 1918, **55:** 854.—**Jongbloed, J.** Tobacco smoking; a minor problem in high altitude flying. Onderzoek. Physiol. laborat. Utrecht, 1941, **1:** No. 8, 1–6.—**Kittel, W.** Hygiene des Rauchens. In: Wehrhygiene (Handloser, S.) Berl., 1944, 242–8.—**Kress, D. H.** Does tobacco make strong soldiers? Good Health, 1941, **76:** 102.—**Kröner, H.** Zuteilung von Tabak an die Fronttruppen. Münch. med. Wschr., 1940, **87:** 523.—**Laurentius, P.** Cardiac lesions due to the misuse of tobacco. Bull. War M., Lond., 1941–42, **2:** 400 (Abstr.)—**Role** (The) of tobacco in the war. Lancet, Lond., 1914, **2:** 857.—**Roulin, G.** Le tabagisme dans l'armée. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2:** 256.—**Smith, D. F. G.** The addict [addiction to tobacco amongst camels] J. R. Army Vet. Corps, 1949, **20:** 119.—**Smoking** in wartime. J. Am. M. Ass., 1942, **119:** 823.—**Stoner, J. B.** The ill effects of smoke on health and comfort. Mil. Surgeon, 1913, **32:** 372–7.—**Tobacco-smoking** in the forces. Brit. M. J., 1942, **1:** 598.—**Weiss, F.** Beitrag zur chemischen Erkennung der Unbekömmlichkeit und Gesundheitsschädlichkeit von Zigarettentabak. Veröff. Heer. San., 1943, **15:** No. 113, 129–36.

S N–6911; S N–7618.

See under **Malaria** (Pharmacology; Type) also **Quinacrine,** Toxicity.

SNAIL.

See **Schistosoma; Schistosomosis.**

SNAKE bite.

See also **Poisoning**—by animals.

Austin, J. S. A case of snake bite. J. R. Nav. M. Serv., 1926, **12:** 310.—**Buddle, R.** Poisonous snakes found at the Singapore base. Ibid., 1929, **15:** 280–9.—**Chopra, R. N.** Poisonous snakes of India. Field M. Bull. U. S. Army, N. Delhi, 1942, **1:** 34–8 (Abstr.)—**Clark, H. C.** Venomous snakes; some Central American records; incidence of snake-bite accidents. Army M. Bull., 1942, No. 61, 103–18. ——— [Anatomical location of 104 snake bites] [tab.] In: Prev. Med. in World War II, Wash., 1948, **11:** 57.—**Cox, W. C.** Snake bites during World War II. Ibid., 55–9. ——— Species of poisonous snakes. Ibid., 55–7. ——— First aid treatment in case of snake bite. Ibid., 58.—**Crimmins, M. L.** Snake-bites and the saving of human life. Mil. Surgeon, 1934, **74:** 125–32.—**Early** treatment of snake bite. Bull. Army M. Dep., Lond., 1943, No. 24, 6.—**Goulart Bueno, E.** Síndromos peçonhentos; tanatoffdios. Rev. med. mil., Rio, 1941, **30:** 155–65.—**Magee, J. A.** Poisonous snakes of Southern California. Mil. Surgeon, 1943, **93:** 85–90.—**Metcalfe, R. F.** Treatment of poisoning by snake bite. Ibid., 1927, **60:** 577–80.—**Robertson, H. G. G.** A case of snake bite by Echis carinatus. J. R. Army M. Corps, 1935, **65:** 52–4.—**Rotman, C. M. H.** Common poisonous snakes of West Africa; first aid and general treatment of snakebite. J. R. Nav. M. Serv., 1944, **30:** 253.—**Snakes** in Hong Kong and the new territories. J. R. Army M. Corps, 1933, **61:** 457–62.—**Takaura, K.** Dokuzya kōsyō ni tai-suru tiryō no issin kōan [A new idea for the treatment of the bites of poisonous snakes] Gun idan zassi, 1940, 451–6.—**Testi, F.** Ofidi velenosi e ofidismo nelle nostre colonie. Gior. med. mil., 1930, **78:** 69–71.—**Thompson, L. M.** A snake bit me! Mil. Surgeon, 1947, **100:** 164.—**Yarrow, H. C.** Recurrence of symptoms after snake bite. Ibid., 1928, **62:** 73–6.

SOAP.

Arnoldov, J. A. [Investigation of blue glue soaps in Vilna in connection with the method of examining soaps in general] Voen. med. J., Petrogr., 1915, **242:** Med. spec. pt, 484–94.—**Debucquet, L. D. M.** Savons glycérine; acides gras; technologie et considérations analytiques. Arch. méd. pharm. mil., 1930, **92:** 257–96.—**Dizerbo, L.** Détersifs et agents mouillants; produits de remplacement des savons. Rev. méd. nav., Par., 1947, **2:** 395–406.—**Kersnovski, V. A.** [Investigation of the soaps of the Vilna factories, and of the soap furnished to the soldiers' stores and to the enlisted men of the 27th infantry division, and its relation to skin diseases] Voen. med. J., Petrogr., 1914, **241:** Med. spec. pt, 216–25.—**Reitani, U.** I saponi. Gior. med. mil., 1929, **77:** 701–6.

SOAP dispenser.

Ensey, J. E., & Robinson, W. W. The improvisation of a liquid soap dispenser and a sterile surgical hand brush dispenser. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 18, 13–6.—**Mabrey, R. E.** A dispenser for liquid soap. U. S. Nav. M. Bull., 1944, **42:** 1417.

SOCIAL service.

See also proper subheadings under **Dependent; Hospital service; Military medicine; Psychiatry; Red Cross.**

[Germany] Deutsche Arbeitsfront. amt für Betriebsgestaltung. Die Wehrmachtfürsorge und -versorgung und die Krankenkassen. 3. Aufl. 102p. 20cm. Berl., 1944.

Moynier, R., Chambon, G., & Malard, G. Les services médico-sociaux de l'armée. p. 319–406. 24cm. Par., 1947.

Rev. Corps san. mil., Par., 1947, **3:**

A., M. L'assistenza sociale della R. Marina nel 1938. Ann. med. nav., Roma, 1939, **45:** 57.—**Des Cilleuls, J., & Moynier, R.** Le service médico-social d'une région militaire. Bull. internat. Serv. santé, Liége, 1945, **18:** 30–4.—**Fenkner.** Volkswohlfahrt und Pflichtdienstjahr. Veröff. Medverwalt., 1922–23, **17:** 143–60.—**Howard, D. S.** Impacts of the war upon the social services. Proc. Nat. Conf. Social Work., 1942, **69:** 290–305.—**Richardson, E.** Medical social services. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 94–7. ——— What is medical social work? Ibid., No. 8, 8; No. 9, 49. ——— What is medical social work; medical-social clinics. Ibid., 1948, **3:** No. 5, 36–8.—**Wisner, E.** War and the social services. Proc. Nat. Conf. Social Work., 1944, **71:** 1–15.

—— Instruction.

Horwitz, R. C. Medical social work course for Red Cross staff. Bull. U. S. Army M. Dep., 1949, **9:** 849–51.—**Red Cross** offers social service scholarships. J. Am. M. Ass., 1942, **120:** 1409.—**Richardson, E.** Medical social work training programme, Vancouver district. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 8, 15.

—— Organization.

Des Cilleuls, J., & Moynier, R. Note au sujet du Service médico-social d'une Région militaire; résultats obtenus après un an et demi de fonctionnement. Bull. Acad. méd., Par., 1943, **127:** 294–7.—**Rúiz Huidobro, R., & Loza, J. C.** Organización sanitaria del servicio social. Rev. mil., B. Air., 1941, **41:** pt 2, 861–6. Also Rev. san. mil., B. Air., 1941, **40:** 826–30.

—— psychiatric.

See also **Social worker.**

United States. War Department. Technical bulletin TB MED 154: Psychiatric social work. 4p. 26cm. Wash., 1945.

Charleson, L. Psychiatric social service in the Canadian Army. News Lett. (Ment. Hyg.) N. Y., 1943–44, **13:** 97.—**Henderson, B. M., & Burke, M. M.** Psychiatric social work in Massachusetts induction stations. Ibid., 93–7.—**Segal, C.** Functional aspects of military social case work. Am. J. Orthopsychiat., 1945, **15:** 597–606.—**Slingsby, M.** Case work in a military setting. Bull. Am. Ass. M. Social Work., 1943, **16:** 82–91.—**Stoller, A.** Social work and the ex-serviceman; the psychiatric problem. Med. J. Australia, 1949, **1:** 639–46.

—— Veterans.

United States. Veterans Administration. Technical bulletin TB 10–16: Resources available to Veterans Administration social workers, chief attorneys and personal counselors through home service in American Red Cross chapters. 2p. 27cm. Wash., 1946.

—— TB 10A–32: Instructions for preparation of Monthly Report of Social Services. 6p. 27cm. Wash., 1947.

—— TB 10A–33: Instructions for use of Tally Sheet for Social Services, VA Form 10–3408a. 4p. 27cm. Wash., 1947.

—— TB 10A–45: Training program for social workers associated with part-time work in Veterans Administration. 6p. 27cm. Wash., 1947. Also Change 1. 2p. 1947.

—— TB 10A–128: Instructions for preparation of Quarterly Narrative Report of Social Service. 3p. 27cm. Wash., 1948.

—— TB 10A–185: Training program for social workers associated with part-time work in VA (social work field work positions) 5p. 27cm. Wash., 1949.

Beck, E. The development of a social work program at Winter Veterans Administration Hospital. Bull. Menninger Clin., 1947, **11**: 208–16.

SOCIAL worker.

See also **Social service**, psychiatric.

Hurvitz, N., & Kramer, R. M. The enlisted man as a psychiatric aide. Bull. U. S. Army M. Dep., 1945, No. 86, 79–81.—**Lewin, E.** The role of the psychiatric social worker in the psychiatric unit of the United States Naval Training Station. News Lett. (Ment. Hyg.) N. Y., 1942, **12**: 74–8.—**Rabinowitz, C., & Ross, E. H.** The military psychiatric social worker. Ibid., 1944–45, **14**: 14–26.

SOCIETY.

See under **Dental officer; Medical officer; Veteran.**

SOCIOLOGY.

See also related subheadings under **Militarism; Officer; War; War neurosis;** also **Life; Soldier.**

Allport, G. W., & Veltfort, H. R. Social psychology and the civilian war effort. p.165–233. 25cm. Provincet., 1943.

J. Social Psychol., 1943, **18**:

Arnekker, E. Zagadnienia psychologii społecznej w odniesieniu do życia społecznego wojska. 50p. 8°. Warsz., 1937.

May, M. A. A social psychology of war and peace. 284p. 23½cm. N. Haven, 1943.

Suchman, E. A. Social mobility in the Army. p.230–83. 24cm. Princet., 1949.

In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, pt 1.

Atkinson, J. W. The measurement of human needs. Q. Project Summary Off. Nav. Res., 1948, July, 389.—**Brotz, H., & Wilson, E.** Characteristics of military society. Am. J. Sociol., 1945–46, **51**: 371–5.—**Cabrera, V.** Aspectos generales del trabajo en Bolivia. Rev. mil., La Paz, 1945, **9**: 971–7.—**Consiglio, P.** La medicina sociale nel'esercito; studi di psicosociologia militare. Ann. Manic. Perugia, 1912, **5**: 291–312.—**Dennery, E.** Democracy and the French army. Mil. Affairs, 1941, **5**: 233–40.—**Hadley, E. E.** Military psychiatry; a note on social status. Psychiatry, Balt., 1943, **6**: 203–13.—**Hall, E. T.,** jr. Race prejudice and Negro-white relations in the Army. Am. J. Sociol., 1946–47, **52**: 401–9.—**Howard, F. E.** Department of the Army policies and practices relating to elimination of social conditions adversely affecting service personnel. J. Social Hyg., 1950, **36**: 56–60.—**Informal** social organization in the Army. Am. J. Sociol., 1945–46, **51**: 365–70.—**Porter, H. B.** How to win friends and influence people in the Army. Flight Surgeon Topics, 1938, **2**: 233–4.—**Rentería Beltrán, D. S.** Influencia médico-social del Ejército en el medio civil; acción desarrollada en la Patagonia. Rev. mil., B. Air., 1945, **45**: 59–65.—**Report** of a committee of the American Sociological Society on wartime adjustments in college sociology teaching. Am. Sociol. Rev., 1942, **7**: 849–52.—**Rose, A.** The social structure of the Army. Am. J. Sociol., 1945–46, **51**: 361–4.—**Roucek, J. S.** Social attitudes of the soldier in war time. J. Abnorm. Psychol., 1935, **30**: 164–74.—**Saenger, K.** Die Bedeutung des Heeres für den sozialen Aufstieg. Arch. Rassenb., 1936, **30**: 30–6.—**Valencia Cabrera, P.** Estudios sociales en el Ejército. Rev. mil., La Paz, 1944, **8**: 515–23.—**Wright, Q.** The application of scientific method to social problems. In his Study of War, Chic., 1942, **2**: 1355–64.

—— The relation of certain philosophic and linguistic terms to group life. Ibid., 1448–53.

SOCKET.

See under **Limb,** artificial.

SOCKS.

For contact dermatitis from socks see under **Clothing,** Hygiene.

Mayville, H. H. Medical evaluation of standard U. S. Marine Corps socks. 3 l. 28cm. Camp Lejeune, 1948.

Forms Res. Proj. NM 011 020, U. S. Nav. M. Field Res. Laborat.

Spealman, C. R., White, W. A., jr, & Duggan, T. L. A study of possible harmful effects of wearing impermeable socks. 14p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–421, U. S. Nav. M. Res. Inst.

United States. Armored Medical Research Laboratory. Project No. 32: Report on Project No. 32, letter report on test of socks, cushion sole, experimental. 2p. 28cm. Fort Knox, 1944.

Study (A) of possible harmful effects of wearing impermeable socks. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 35.

SODIUM.

Baldwin, D., Kahana, E. M., & Clarke, R. W. The renal excretion of sodium and potassium in the dog. 22 l. 29cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–06–(17) U. S. Army M. Dep. Field Res. Laborat.

Blount, R. E. Low sodium diet. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 7, 8.

SOFT tissue.

See also **Wound**—by organs and regions: Soft tissue.

Antelava, N. V. [Use of the secondary suture in wounds of the soft tissue in evacuation hospitals] Khirurgia, Moskva, 1944, No. 5, 22–5.—**Brentano.** Schussverletzungen der **Weichteile.** In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 99.—**Erczy, M., & Zoltán, J.** Sérüléses lágyrészhiányok azonnali pótlása. Honvédorvos, 1950, **2**: 478–500, illust.—**Oltramare, J. H.** Lésions des parties molles. In his Chir. guerre, Lausanne, 1944, 79–90.—**Rank, B. K.** Base hospital management of soft tissue injuries. Austral. N. Zealand J. Surg., 1941–42, **11**: 171–84, pl.—**Rawles, B. W.,** jr. Repair of soft-tissue war wounds. Ann. Surg., 1946, **123**: 209–20.

SOLDIER.

See also **Medical soldier;** also **Civil rights.**

Sexton, W. T. Soldiers in the sun. 297p. 23½cm. Harrisburg, 1939.

United States. War Department. FM 21–100: Soldier's handbook. 253p. 19cm. Wash., 1941.

Cassinis, U. Il rurale nell'esercito. Gior. med. mil., 1940, **88**: 129–36.—**Croxton, F. C.** Replacement of soldiers in civil life; the industrial aspects. Proc. Nat. Conf. Social Work., 1919, **46**: 390–4.—**Dougherty, A. J.** Advice to draftees. Chem. Warf. Bull., 1941, **27**: 48–50.—**Gilbert, E. W.** General regulations pertaining to enlisted men. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 43–8.—**Grundsätzlich** haftet der Soldat dem Reich für jeden Schaden, unmittelbaren oder mittelbaren, den er ihm durch eine schuldhafte Verletzung seiner Dienstpflicht zugeführt hat (12/4/40) In: Rechtsprech. z. Krankenversicher., 1940, 8p.—**James, G. W. B.** The soldier. S. Mary Hosp. Gaz., Lond., 1944, **50**: 98.—**Medical** bills in Congress [Economic status of soldier] J. Am. M. Ass., 1939, **112**: 2612.—**Röhm, E.** Soldatentum. Volk & Rasse, 1934, **9**: 88–90.—**Rouffiandis, E.** L'expertise médicale et l'identification des engagés volontaires à la légion étrangère. Arch. méd. pharm. mil., 1912, **60**: 61–79.—**Scott, W. C. M.** The soldier's defence and the public's attitude. Lancet, Lond., 1941, **2**: 271.—**Tuddenham, R. D.** Soldier

intelligence in World Wars I and II. Am. Psychologist, 1948, **3**: 54–6.—**Voice** (The) of the service man. Occupations, 1942–43, **21**: 369–75.—**Zimmer, A.** Das Krieger. Wien. klin. Wschr., 1943, **56**: 241.—**Zurückstellung** eines Impfpflichtigen. Reichsgesundhbl., 1938, **13**: 310.

—— Adjustment.

See also **Life,** Adjustment; **Personality,** Disorder; **Sociology.**

Bonney, M. E. Personality problems of soldiers. Marriage & Family Liv., 1944, **6**: 29–31.—**Clark, J. H.** The adjustment of Army AWOL's. J. Abnorm. Psychol., 1949, **44**: 394–401.—**Driest, W.** Psychologische Richtlinien für die Behandlung von Disziplinarvergehen. In his Richtlinien ü. Menschenführ., 2. Aufl., Berl., 1944, 33–6.—**Elinson, J.** Attitude research in the Army. J. Appl. Psychol., 1949, **33**: 1–5.—**Harrisson, T.** The British soldier; changing attitudes and ideas. Brit. J. Psychol., 1944–45, **35**: 34–9.—**Hollingshead, A. B.** Adjustment to military life. Am. J. Sociol., 1945–46, **51**: 439–47.—**Hunt, W. A., Abrams, A. L.** [et al.] Personal adjustment. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 344–71.—**Stouffer, S. A.** Studying the attitudes of soldiers. Proc. Am. Philos. Soc., 1948, **92**: 336–40.

—— Behavior.

See also various terms related to **Psychology.**

Bircher, E. Arzt und Soldat; eine psychologische Betrachtung. 59p. 25cm. Stuttg., 1940.

Forms No. 24, Vortr. prakt. Chir.

Elkin, F. The soldier's language. Am. J. Sociol., 1945–46, **51**: 414–22.—**Emotion;** fear and anger. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 372–94, illust.—**Ferrari, G. C.** Un caso tipico di simbiosi in guerra. Riv. psicol., 1916, **12**: 127–9.—**Küppers, K.** Der junge Soldat in seiner Psychologie und Psychopathologie. Med. Klin., Berl., 1940, **36**: 730. Also Münch. med. Wschr., 1940, **87**: 818.—**MacDonald, A.** The psychology of Swiss soldiers. Arms & Man, Wash., 1918, **65**: 65; 85.—**Maeder, A.** Bedeutung der Affektivität in der Truppe und Gemeinschaftsbildung. Schweiz. med. Wschr., 1940, **70**: 107.—**Maskin, M.** Something about a soldier. Psychiatry, 1946, **9**: 187–91.—**Menninger, W. C.** The environment of the soldier; its stresses and strains. In his Psychiat. in a Troubled World, N. Y., 1948, 56–80. ——— The environment of the soldier; its emotional supports. Ibid., 81–101. ——— The characteristics and attitudes of the soldier in World War II. Ibid., 572–86.—**Noir, J.** Le rêve d'un soldat. Concours méd., 1940, **62**: 1092.—**Porter, W. C.** The type of soldier who succeeds. Arch. Neur. Psychiat., Chic., 1944, **52**: 242. Also J. Nerv. Ment. Dis., 1944, **99**: 965–7.—**Rockliff, B.** Enigma of the sane. Q. Chicago M. School, 1943–44, **4**: 18.—**Stuckrab, v.** Frontkameradschaft. Mil. Wbl., Berl., 1942, **126**: 1293.—**Tomašić, D.** Personality development of the Dinaric warriors. Psychiatry, 1945, **8**: 449–93.—**Wall, L. R.** Line of duty and misconduct. Hosp. Corps Q., 1945, **18**: No. 9, 52–6.—**Ziegler, H. W.** Zur Psychologie des Soldatentums. Zschr. pädag. Psychol., 1934, **35**: 297–307.

—— Biology.

See also **Strength.**

Niederhäusern, A. de. Creatinina, glicemia e metabolismo basale in alcuni soldati del corpo di spedizione A. O. S. Boll. Soc. ital. biol. sper., 1937, **12**: 88–90.—**Roulin, G. M. P.** Quelques enseignements de la pesée mensuelle dans les corps de troupe. Bull. Soc. méd. mil. fr., 1939, **33**: 152–62.—**White, P. D.** The soldier and his heart. Army M. Bull., 1940, **53**: 21–6.

—— Disease.

See also **Disability,** Line of duty; **Disease,** Forensic aspect; **Sick; Sickness.**

Benn, G. Fragen der ärztlichen Beurteilung und Begutachtung; WDB. im Sinne der Verschlimmerung. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 102–6.—**Militärpatient** (Der) Praxis, Bern, 1946, **35**: 168.—**Musehold, P.** Militärdienstliche Gesundheitschädigungen. In: Realencycl. d. ges. Heilk., 4. ed., Berl., 1910, **9**: 519–39.

—— Racial aspect.

See also **Negro; Sociology.**

Aspinall, W. B. P. Deutsches Soldatentum. 208p. 18cm. Lond., 1943.

Liebe, G. H. T. Der Soldat in der deutschen Vergangenheit. 157p. 26½cm. Jena, 1915.

Star, S. A., Williams, R. M., jr, & Stouffer, S. A. Negro soldiers. p.486–599. 24cm. Princet., 1949.

In: Amer. Soldier (Stouffer, S. A.) Princet., 1949, pt 1.

B., C. S. Jock. Caledon. M. J., 1918–22, **11**: 209–11.—**Braun, M.** Gigerl und harte Kämpfer. Mil. Wbl., Berl., 1942–43, **127**: 173–6—**Frank, J. D.** Adjustment problems of successful Negro soldiers. J. Mil.M. Pacific, 1946, **2**: No. 2, 5–14. ——— Adjustment problems of selected Negro soldiers. J. Nerv. Ment. Dis., 1947, **105**: 647–60.—**Huot, V.** Barnavaux d'hier et d'aujourd'hui; étude médico-psychologique du soldat colonial de métier. Ann. méd. pharm. col., Par., 1935, **33**: 976–93.—**Johnson, L. S.** The American soldier. Q. Chicago M. School, 1943–44, **4**: No. 3, 9.—**M., J.H.** The British warrior as he is today. Hospital, Lond., 1918–19, **65**: 493.—**Ripley, H. S., & Wolf, S.** Mental illness among Negro troops overseas. Am. J. Psychiat., 1946–47, **103**: 499–512.—**Stevens, R. B.** Racial aspects of emotional problems of Negro soldiers. Ibid., 493–8.—**Sutter, J.** Les indigènes Nord-Africains au combat; étude psychopathologique. Cah. méd., Alger, 1947, **2**: 485–92.—**Webster, F. A. M.** El Ejército de Inglaterra es ffsicamente apto para la lucha. Medicina, Habana, 1944, **2**: No. 17, 7–9.

SOLDIERS and Sailors Civil Relief Act.

See **Civil Relief Act.**

SOLDIERS' heart.

See **Disease**—by organs: Cardiovascular system; **Heart neurosis; Neurocirculatory asthenia.**

SOLDIERS' home.

See also **Home.**

Geyerman, P. T. South Dakota State Soldiers' Home. J. Lancet, 1935, **55**: 685–7.—**Kolb, K.** Ein Heimstättengesetz für unsere Krieger. Münch. med. Wschr., 1915, **62**: 1186.—**Mead, H. L.** Solving the food service problem in a soldiers' home. Mod. Hosp., 1932, **39**: 53–7.—**Phalen, J. M.** Surgeon Benjamin King; genesis of the United States Soldiers' home. Mil. Surgeon, 1941, **88**: 187–9.

SOLFERINO (1859)

See under **Wars and campaigns.**

SOLIFUGAE.

See **Spider.**

SOLOMON Islands.

See also **World War II.**

Perry, W. J. The mosquitoes and mosquito-borne diseases of the Treasury Islands, British Solomon Islands. 21 l. 27½cm. Camp Lejeune, 1949.

Forms Res. Proj. NM 005 036, U. S. Nav. M. Field Res. Laborat.

Horack, H. M. Medical and sanitary data on British Solomon Islands Protectorate. Army M. Bull., 1943, No. 65, 1–17.

SOLUTION.

See also **Therapeutics,** Injection.

Evans, R. D., Brown, S. D. [et al.] Development of technique for measuring saturation and desaturation curves by the use of long-period radio-active argon at atmospheric pressure. 2p. 28cm. Wash., 1944.

Forms No. 347, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Harvey, E. N., Cooper, K. W. [et al.] The formation of gas bubbles in supersaturated water. 21p. 28cm. Wash., 1942.

Forms No. 77, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Firth, R. H. Solutions. J. R. Army M. Corps, 1914, **22**: 264–78.—**Frattini, J. F.** Soluciones inyectables transcutáneas; obtención de soluciones isotónicas. Rev. san. mil., B. Air., 1941, **40**: 647; 745.—**Rivas Goday, J. J.** La coloración de las soluciones de salicilato y bicarbonato sódicos. Bol. farm mil., Madr., 1935, **13**: 101–8.—**Shacky, A. V.** [Substitution of distilled water in the preparation of solutions generally used in surgical practice, and of intravenous solutions] Voen. san. delo, 1943, No. 10, 51.

SOLVENT.

See also names of organic solvents as **Carbon tetrachloride; Tetrachlorethane,** etc.

Byers, D. H. Chlorinated solvents in common wartime use. Indust. M., 1943, **12**: 440–3.—**Industrial** solvents. Med. Bull. U. S. First Army, 1949, **4**: No. 8, 18.—**Parrish, H. N., & Byram, D. H.** Industrial solvents in the AAF. Air Surgeon Bull., 1945, **2**: 195–7.

—— Hazards.

See also **Poisoning.**

United States. War Department. Technical bulletin TB MED 35: Health hazards from industrial solvents. 3p. 26cm. Wash., 1944.

Barbarin, V. I. K klinike otravlenija dikhloretanom. Voen. san. delo, 1941, No. 9, 51–5.—**Health** hazards from industrial solvents. Bull. U. S. Army M. Dep., 1945, **4**: 331.—**Pokrovsky, A.** Dikhloretan ($CH_2Cl–CH_2Cl$) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 538–40.—**Rosenbaum, N. D., & Leites, R. G.** [Hygienic problems in the use of solvents under wartime conditions] Hig. & san., Moskva, 1943, **8**: No. 11, 18–24.—**Tkachenko, E. G., & Polisadov, P. B.** Otravlenie dikhloretanom. Voen. san. delo, 1940, No. 8, 95–7.

SOMALIA (1931–37)

See under **Wars and campaigns.**

SOMATOTYPE.

See **Aviator,** Flying adaptability; **Fitness,** Constitution.

SOMME.

See under **World War I.**

SOMNAMBULISM.

Sandler, S. A. Somnambulism in the Armed Forces. Ment. Hyg., Alb., 1945, **29**: 236–47.

SONDERBUNDSKRIEG (1847)

See under **Wars and campaigns.**

SONTOCHIN.

See **Malaria,** Pharmacology.

S O P

See **Standing operating procedure.**

SORE.

See **Desert sore;** also **Ulcer.**

SORE throat.

See **Septic sore throat.**

SORTING.

See with **Casualty,** Reception.

SOUND.

See also **Noise;** also **Injury,** Blast.

Clark, B., & Graybiel, A. The effect of angular acceleration on sound localization; the audiogyral illusion. 13 l. 27cm. Pensacola, Fla., 1948.

Forms Rep. No. 21, Res. Proj. No. X–148 (Av–4–3), U. S. Nav. School Aviat. M.

Parrack, H. O., Eldredge, D. H., & Koster, H. F. Physiological effects of intense sound. 15p. 27cm. Dayton, 1948.

Forms No. MCREXD–695–71B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Ruff, S. Sound pressure measurements with the thermophone. 5 l. 27cm. Heidelb., 1946.

Forms No. U6–46–12, Transl. U. S. Air Force Aero M. Cent., Heidelb.

Casella, B. Prove di orientamento acustico. Gior. med. mil., 1935, **73**: 123–36.—**Katz, V. A.** [On the selection of military wireless operators] J. ushn. nosov. gorlov. bolez., 1940, **17**: 23–6.—**Miller, D. C.** Concussion sound waves from large guns in action; author's abstract. Laryngoscope, 1938, **48**: 720–3.—**Uffenorde.** Selection of sound locators in the Navy by medical experts. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 367–9.—**Undritz, V., & Zasosov, R.** [Sound trauma] Voen. san. delo, 1935, No. 3, 32–7.

—— Perception test.

See **Aviator,** Audiometry; **Deafness; Ear; Medical examination,** Audiometry.

SOUTH Africa.

See under **Morbidity; Prisoner of war; World War I; World War II.**

SOUTH-AFRICAN War (1899–1902)

See under **Wars and campaigns.**

SOUTH Atlantic.

See under **World War II.**

SOUTH China Sea.

See under **World War II.**

SOUTHEAST Asia.

See under **Morbidity; World War II.**

SOUTH Pacific.

See under **World War II.**

SOUTHWEST African Campaign (1904–07)

See under **Wars and campaigns.**

SOUTHWEST Pacific.

See **World War II.**

SOYBEAN.

Memmo, G., Ferri, G. [et al.] Relazione generale a S. E. il Ministro della Commissione per lo studio della soia. p.281–356. 24cm. Roma, 1927.

Gior. med. mil., 1927, **75**:

Bonne, E. F. El cultivo con fines industriales; la soja. Rev. mil., B. Air., 1942, **42**: pt 2, 71–7.—**Corrêa Leal, A.** A soja; sua importancia na alimentação; seu emprego no pão. Rev. mil. med. vet., Rio, 1942, **5**: 29–32.—**Emory, M. L.** Soybean milk-substitute as used on Okinawa. U. S. Nav. M. Bull., 1946, **46**: 616–8.

SPACE.

See also **Aircraft; Aircrew; Orientation.**

Buel, J., & Payne, B. Psychological principles involved in aiming and directing objects in space. Q. Res. Rep. U. S. School Aviat. M., 1947, Sept. 30, 27.—**Lo Monaco Croce, T.** Los viajes interplanetarios y el organismo humano. Rev. mil., La Paz, 1949, No. 138, 70–4.—**Strughold, H., & Haber, H.** Physics and physiology of space travel. Q. Res. Rep. U. S. School Aviat. M., 1948, Jan., 19; 1949, Jan., 17; Oct., 43.

SPAIN.

For references to this country see in Military Section the following headings: **Dental Corps; Dental Service; Hospital report; Medical Corps; Medical examination; Medical organization; Military medicine,** Congresses; **Morbidity; Navy Medical Corps; Neuropsychiatric examination; Pharmaceutical service; Pharmacist; Pharmacy; Ration; Recruiting; Sanitation; Surgery; Surgical organization; Surgical service; Tuberculosis; Venereal disease; Veterinary Corps; Wars and campaigns; World War I; World War II.**

SPANISH-AMERICAN War (1898–99)

See under **Wars and campaigns.**

SPANISH Civil War (1936–39)

See under **Wars and campaigns.**

SPANISH Morocco (1911)

See under **Wars and campaigns.**

S P A R S

See under **Woman.**

SPA treatment.

See under **Therapeutics,** Balneotherapy.

SPECIALIST.

See also **Women's Medical Specialist Corps.**

Bray, C. W. The selection and training of specialists. In his Psychol. & Milit. Profic., Princet., 1948, 92–114.—**Chairman** [pseud.] & **Culpin, M.** The conscripted psychopath. Lancet, Lond., 1939, **2:** 1046.—**Hall, G. I.** Enlisted specialists. Hygeia, Chic., 1941, **19:** 796–800.—**Hixon, C. E.** The Army trains its specialists. Occupations, 1943–44, **22:** 167–9.—**Zucker, A. Guleke, N.** [et al.] Training of specialists. CIOS Rep., Lond., 1945, Item 24, No. XXVI–23, 6.

—— medical.

See also **Specialization,** medical.

Army needs officers with specialized medical training. California West. M., 1943, **58:** 217.—**Blackmore, W. T. E.** Major Ether; a T. E. W. T. for specialists. J. R. Army M. Corps, 1943, **81:** 180–2.—**Blackwood, N. J.** The advisability and practicability of specialists in the Medical Corps of the Navy. Mil. Surgeon, 1915, **36:** 149–53.—**Cary, E. H.** Medicine looks forward; the role of specialists in military medicine. Texas Rep. Biol. M., 1943, **1:** 27–39.—**Key-Aaberg, H.** [ORL-(ear, nose and throat) specialists preparedness for war] Bibl. laeger, 1939, **131:** 37–51.—**Kubie, L. S.** The rôle of the specialist in military medicine. Surg. Gyn. Obst., 1945, **70:** 109.—**Part-time** specialists. Med. Press & Circ., Lond., 1941, **205:** 390.—**Richeson, V.** Army medical specialists. Vet. Bull., Wash., 1938, **32:** 77–82.—**Soiland, A.** The medical specialists units United States Naval Reserve. Mil. Surgeon, 1938, **82:** 347–50.—**Specialist** needs of the Navy at present. U. S. Nav. M. Bull., 1936, **34:** 396.—**Specialists.** Wisconsin M. J., 1942, **41:** 319.—**Specialists** in the Army. Canad. M. A.ss. J. 1943, **48:** 367.—**Titus, P.** Medical specialists in naval service, U. S. Nav. M. Bull., 1947, **47:** 438–43.

SPECIALIST Corps.

Army Specialist Corps formed. J. Am. M. Ass., 1942, **118:** 824.—**Kern, R. A.** Naval Medical Specialists Units; a proposed plan for their reorganization and continuation. U. S. Nav. M. Bull., 1947, **47:** 429–37.—**Serqueira, A.** Bases para un anteprojecto de organisação do quadro de especialistas do corpo de saúde do Exercito. Rev. med. mil., Rio, 1935, **24:** 396–40..

SPECIALIZATION.

See also **Occupational specialty; Navy Medical Corps,** United States; **Specialty.**

Peytraud, L. H. E., Rouchonnat, F. M., & Morgaut, M. E. Note sur une expérience pratique de sélection psychotechnique de spécialistes militaires. Rev. Serv. san. mil., Par., 1939, **111:** 341–55.—**Thonon.** Recrutement et specialisation dans l'armée moderne. Arch. belg. Serv. san. armée, 1939, **92:** 205–14.

—— medical.

See also names of medical specialists and specialties; also subheadings of **School; Specialist,** medical; **Specialty board.**

Andreev, F. Specializirovannaja medicinskaja pomość' v voenno-morskom flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 262.—**Bainbridge, W. S.** The interrelationship of medicine, surgery, and dentistry in military and civil practice. Mil. Surgeon, 1937, **81:** 161–75. Also French transl., Sess. Off. internat. docum. méd. mil., 1937, 7. Sess., 157–74.—**Cerqueira, A.** As especializações no Corpo de saúde. Rev. med. mil., Rio, 1935, **24:** 140–2.—**Clinicians** and special departments. Bull. Army M. Dep., Lond., 1944, No. 39, 1.—**Kubie, L. S.** The problem of specialization in the medical services of the regular Army and Navy prior to the present emergency. Bull. N. York Acad. M., 1944, **20:** 495–511.—**Leyland, E. M.** Specialist courses for service M. O.s. Brit. M. J., 1943, **2:** 466.—**Shustov, V., & Andreev, F.** Specializirovannaja medicinskaja pomość' i lečenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 254–63.—**Stafford-Clark, D.** Specialist courses for service M.O.s. Brit. M. J., 1943, **2:** 404.—**Stitt, E. R.** A plea for basic medical experience prior to specialization. U. S. Nav. M. Bull., 1925, **22:** 257–9.

SPECIALIZED hospital.

See under **Hospital; Hospital report**—United States; also under names of medical specialties.

SPECIALIZED training program.

See under **School.**

SPECIALTY.

See also **Occupational specialty; Skill; Specialization; Specialty board.**

United States. Veterans Administration. Technical bulletin TB 10A–90: Specialty categorization for full-time physicians, Department of Medicine and Surgery. 5p. 27cm. Wash., 1947.

Establishment of allergy as a recognized specialty in the Navy. Mil. Surgeon, 1942, **90:** 95.

SPECIALTY board.

See also **Specialist.**

Advisory board for medical specialties. Tr. Am. Acad. Ophth. Otolar. (1941) 1942, **46:** Suppl., 24.—**Specialty** (The) boards. Bull. U. S. Army M. Dep., 1943, No. 69, 23–5.

SPECIFIC gravity [human]

Sarkisian, S. S. The specific gravity of healthy men; a report of 835 cases. U. S. Nav. M. Bull., 1946, **46:** 1207–11.

SPECIMEN.

See also **Medical laboratory,** Manuals and methods; **Pathology,** Methods.

United States. War Department. Army regulations, No. 40–310, Medical Department: The collection and preparation of pathological and other specimens for shipment to laboratories. 14p. 8°. Wash., 1922. Also another edition, 2p. 8°. Wash., 1927.

Manso Soto, A. E. Normas para la recolección y envío de material para análisis. Rev. san. mil. argent., 1948, **47:** 178–85.—**Stopper** protection. Hosp. Corps Q., 1944, **17:** No. 3, 79.—**Tikano, T.** Yo ga kōan sitaru unpan-yō kakenbutu yōki ni tukite [A receptacle designed by the author for the transportation of things to be inspected] Gun idan zassi, 1930, 535–43.—**Tropical** specimens for R. A. M. College. Bull. Army M. Dep., Lond., 1944, Suppl., No. 19, 1–4.—**Weinstein, I. H.** Proper handling and shipment of specimens for serological examination. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 18, 21.

SPECTACLES.

See **Dermatitis; Eyeglass.**

SPECTRAL roentgenology.

See **Radiology,** Methods.

SPECTROMETER.

Schiller, A. A., & Cecchini, L. P. Fluorescence spectra of solid materials obtained by a modification of the Beckman spectrophotometer. 20p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2, Res. Proj. NM 001 008, U. S. Nav. M. Res. Inst.

Washburn, H. W. A new mass spectrometer for isotope-ratio measurements. U. S. Nav. M. Bull., 1948, **48:** Suppl., 60–81.

SPECTROSCOPY, nuclear.

See with **Radioisotope,** Chemistry; **Radiology,** Methods.

SPECULUM.

Gorman, W. F. Improvement of the issue ear speculum. Mil. Surgeon, 1944, **95:** 63.—**Hoffeld, G. D.** Improvised nasal speculum and wire applicator. Hosp. Corps Q., 1945, **18:** No. 2, 46.—**Nisbett, J. G. M.** A modification of Brunton's aural speculum. J. R. Nav. M. Serv., 1941, **27:** 94.

SPEECH.

See also **Voice.**

Black, J. W. Loudness of speaking; the effect of heard stimuli on spoken responses. 39 l. 28cm. Port Washington, 1948.

Forms No. 411–1–2, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

—— [The same] Another ed., 35 l. 27cm. Pensacola, 1949.

Forms Jt Proj. Rep. No. 2, Res. Proj. No. NM 001 053, U. S. Nav. School Aviat. M.

Harris, J. S., Draegert, G. L. [et al.] Voice communication; effect of stress on talkers; a

personality study. 9 l. 28cm. Port Washington, 1948.
Forms No. 104–2–11, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

HEMINGWAY, A. Speech intelligibility at high altitude in the cold under conditions which cause ice formation in the mask. 23p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 398, U. S. Air Force School Aviat. M.

LIGHTFOOT, C. Rate of speaking; relationship between original and repeated phrases. 25 l. 28cm. Port Washington, 1948.
Forms No. 411–1–1, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

—— [The same] Another ed., 20 l. 27cm. Pensacola, 1949.
Forms No. 1, of NR782 004, Jt Project Rep. Kenyon College Gambier, & U. S. Naval Sch. Aviat. M. & Res.

—— Rate of speaking; effects of the mode and level of transmitting messages upon the relationship between their duration and the duration of their repetition; psychological studies of training techniques. 16 l. 28cm. Port Washington, 1949.
Forms No. 411–1–9, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

—— Effects of the mode and rate of transmitting messages upon the relationships between their intensity and the intensity of repetitions of them; psychological studies of training techniques. 13 l. 28cm. Port Washington, 1949.
Forms No. 411–1–10 of preceding study.

—— Rate of speaking (responses to heard stimuli) relationship between original and repeated phrases for speakers with various normal rates. 8 l. 27cm. Pensacola, 1949.
Forms Rep. No. 2, Jt Proj. Rep. No. 3, Res. Proj. No. NM 001 053, U. S. Nav. School Aviat. M.

—— & BLACK, J. W. Rate of speaking (responses to heard stimuli) repetitions of phrases containing logical and illogical pauses. 3 l. 27cm. Pensacola, 1949.
Forms Rep. No. 1 of preceding joint project.

LIGHTFOOT, C., & MORRILL, S. N. Loudness of speaking; the effect of the intensity of side-tone upon the intensity of the speaker. 12 l. 28cm. Port Washington, 1948.
Forms No. 411–1–4, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Bohman, G. V., & Neale, J. V. What can we learn from military speech courses? Q. J. Speech, 1945, **31**: 134–42.—**Kent, H. W.** The Army and its needs in speech. Ibid., 1944, **30**: 147–50.—**Steer, M. D.** Speech intelligibility in naval aviation. J. Speech Disord., 1945, **10**: 215–9.—**Tresidder, A. J.** Speech in the military program. Q. J. Speech, 1944, **30**: 387–94.—**West, W.** Speech and the Signal Corps. Ibid., 151–4.

SPEECH disorder.

See also **Larynx, Injury; Voice.**

Arnold, G. E. Die Sprach- und Stimmstörungen bei Kriegsverletzten. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 567–96.—**Carhart, R.** Some notes on official statistics of speech disorders encountered during World War I. J. Speech Disord., 1943, **8**: 97–107.—**Hurst, A.** Disorders of speech. In his Med. Dis. War, 2. ed., Lond., 1941, 61–74.—**Johnson, W.** The status of speech defectives in military service. Q. J. Speech, 1943, **29**: 131–6.—**Loebell, H.** Voice and speech disorders in the German Army. Ibid., 1944, **30**: 259–61.—**Parrel, L. M. de.** Troubles nauséeux d'origine linguo-vélaire. Fol. phoniat., Basel, 1949, **2**: 53.—**Peacher, W. G.** Speech disorders in World War II; further studies. J. Nerv. Ment. Dis., 1945, **102**: 165–71. ——— Speech disorders in World War II. J. Speech Disord., 1945, **10**: 155–61. ——— Dysarthria. Ibid., 287–91. ——— Speech defects resulting from maxillofacial injuries. Plastic & Reconstr. Surg., 1947, **2**: 267–77. ——— & **Harris, W. E.** Speech disorders in World War II. Bull. U. S. Army M. Dep., 1946, **6**: 371–4.—**Peacher, W. G., & Peacher, G. M.** Speech disorders in World War II; dysarthria and dyslalia; methods of examination. J. Nerv. Ment. Dis., 1946, **103**: 484–93.—**Voelker, C. H.** War injuries to the speech tract. Med. Rec., N. Y., 1943, **156**: 545.

—— Correction.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–214: The management of language and speech disorders. 4p. 27cm. Wash., 1950.

Allshouse, V. Speech correction in Army aural rehabilitation program. J. Speech Disord., 1945, **10**: 106–8.—**Ansberry, M.** The Veterans Administration program in the fields of audiology and speech correction. Ibid., 1948, **13**: 115–8.—**Curry, E. T.** The speech training program for Navy fighter director officers. Q. J. Speech, 1947, **33**: 209–12.—**Pauls, M. D., Haskins, H. L., & Hardy, W. G.** Speech reading, auditory training and speech correction in the re-education program. U. S. Nav. M. Bull., 1946, **46**: Suppl., 232–48.—**Peacher, W. G.** Speech disorders in World War II; organization of a speech clinic in an Army general hospital. J. Speech Disord., 1946, **11**: 233–9. ——— Survey of speech clinics in the U. S. and British armies. J. Nerv. Ment. Dis., 1947, **106**: 52–65. ——— Treatment of dysarthria. Ibid., 66–76.—**Truex, E. H.,** jr. The Army aural rehabilitation program. J. Speech Disord., 1945, **10**: 101–5.—**Welsh, A. M.** A description of the speech clinic at the Minneapolis Veterans Hospital. Ibid., 1948, **13**: 372–5.

—— Stammering.

Anikeev, P. I. Opyt primenenija lečebnoj gimnastiki pri poslekontuzionnom rasstrojstve reči; zaikanie. Voen. med. J., Moskva, 1946, No. 4, 45–7.—**Hurst, A. F.** Hysterical stammering. In his Med. Dis. War, 3. ed., Lond., 1943, 72–6.—**Kenyon, E. L.** The stammerer and army service. J. Am. M. Ass., 1917, **69**: 664.—**Maliutin, E. N., & Artemeva, E. N.** Lečenie rasstrojstv golosa, nastupivšikh v rezultate boevoj travmy. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 48.

—— Stuttering.

Martins Ribeiro, T. Gagueira. Arq. brasil. med. nav., 1941, **2**: 296–302.—**Peacher, W. G., & Harris, W. E.** Speech disorders in World War II; stuttering. J. Speech Disord., 1946, **11**: 303–8.—**Seyfferth, F.** Stottern und ähnliche Sprachstörungen im Heeresdienst. Vox, Berl., 1919, **29**: 45–93.—**Thomann, O.** Traumatisches und Entwicklungsstottern. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 615–21.

SPEED.

See **Aviation,** Speed; **Supersonic speed.**

SPEED computation test.

See **Neuropsychiatric examination,** Psychological tests.

SPEED of manipulation test.

See **Aviator,** Fitness tests.

SPERMATIC cord.

See also **Varicocele.**

Adrio Mateo, J. A. Sobre una presunta epidemia de funiculitis posterior aguda. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 359–62.—**Dastoli, D.** Torsione del funicolo spermatico complicata con flemmone del testicolo. Gior. med. mil., 1940, **88**: 189–93.—**Derevenko, V. N.** K kazuistike lipom semennogo kanatika. Voen. med. J., S. Peterb., 1912, **234**: Med. spec. pt, 397–407.—**Gotō, R.** Seikei reiten no iti rei [Torsion of the spermatic cord] Gun idan zassi, 1929, 1103–6.—**Jens, J.** Torsion of the spermatic cord. J. R. Nav. M. Serv., 1943, **29**: 209–11.—**Rodd, M. L. B.** Recurrent torsion of spermatic cord (right) Ibid., 1921, **7**: 79.—**Violato, A.** Sulla torsione intravaginale del cordone spermatico con necrobiosi del testicolo. Ann. med. nav., Roma, 1929, **35**: 340–9.—**Yamamoto, A.** Seikei nenten-syō no ni rei [Torsion of the spermatic cord] Gun idan zassi, 1929, 1853–9, pl.

SPERMATOGENESIS.

See also **Altitude,** Urogenital apparatus.

McCRANIE, E. The effect of low barometric pressure on spermatogenesis in rats; preliminary experiment. 2 l. 27cm. Randolph Field, 1947.
Forms Rep. No. 1, Proj. No. 488, U. S. Air Force School Aviat. M.

SPHENOID.

See also next heading.

Chase, J. S. Choked disks and other brain tumor symptoms relieved by sphenoidotomy. Med. Bull. Veterans Admin., 1942–43, **19**: 8–15.—**Veloso, P.** Um caso de fratura do esfenoide. Rev. med. mil., Rio, 1941, **30**: 442. ——— Um caso interessante de fratura do esfenoide. Ibid., 1942, **31**: 455–64.

SPHENOID sinus.

See also **Nasal sinus.**

Goldman, I. B. Shrapnel in sphenoid sinus causing blindness; removal with recovery. Laryngoscope, 1943, **53**: 383–91.—**Kulakci, N.** [Acute sphenoid sinusitis] Askerî sıhhiye mecmuası, 1938, **67**: 51–3.—**Rasim Adasal** [Syndrome of the sphenoid sinus and successful treatment by pyretotherapy] Ibid., 1939, **68**: No. 27, 19.—**Smith, A. B., & Thomson, A. M. W.** Foreign body, shrapnel, in the sphenoidal sinus. J. R. Army M. Corps, 1943, **80**: 39–41.—**Ziver Berkman** [Complications of sphenoidal sinusitis; retrobulbar neuritis] Askerî sıhhiye mecmuası, 1939, **68**: 15–24.

SPICA cast.

See under **Plaster of Paris.**

SPICE.

See **Nutrition,** Physiology.

SPIDER.

See also **Poison,** animal.

Boyd, J. E. M. Short notes on the development of the Solifugae. J. R. Army M. Corps, 1923, **40**: 139.—**Marcenac.** Les galéodes du Maroc (Galéodes barbarus) précisions sur leur innocuité. Rev. vét. mil., Par., 1926, **10**: 184–9.

SPINA bifida.

Glorieux. Aptitude au service des miliciens atteints de soudure incomplète de la colonne vertébrale. Arch. méd. belges, 1933, **86**: Bull. internat., 639–51.—**Hansell, H. S.** Report of two cases of spina bifida occurring at Fort Benning, Georgia. Mil. Surgeon, 1922, **51**: 415.—**Plisson, L.** Notes au sujet des Spina bifida occulta. Bull. Soc. méd. mil. fr., 1926, **20**: 157–60.

SPINAL anesthesia.

See under **Surgical technic,** Anesthetization, spinal.

SPINAL cord.

See also **Myelitis; Nervous system; Spine.**

Berger, R. Su un caso di ematomielia dorsale. Ann. med. nav., Roma, 1939, **45**: 266–8.—**Buchstein, H. F.** Pyogenic spinal epidural infections. U. S. Nav. M. Bull., 1943, **41**: 1114–8.—**Carrot.** A propos d'une arachnoïdite spinale diffuse. Bull. Soc. méd. mil. fr., 1936, **30**: 215–21.—**Daukysys, J., & Morgan, D.** Extra-dural tumor of the cord. Med. Bull. Veterans Admin., 1937–38, **14**: 75–7.—**Dumas, A. G.** Arteriosclerosis of the spinal cord. Ibid., 1939–40, **16**: 61–4.—**Puckett, H. L., & Harris, E. M.** Acute epidural abscess of the spinal cord; report of case. U. S. Nav. M. Bull., 1933, **31**: 299–301.—**Simizu, S.** Sekizui-Neurinom no iti syuzyutu tiken rei [Eine Erfahrung mit chirurgisch behandeltem Rückenmarktumor] Kaigun gun-ikai zassi, 1937, **26**: 240–4, pl.—**Warren, V. C., & Thurston, J. A.** Tumor of the spinal cord, with successful surgical removal. Med. Bull. Veterans Admin., 1941–42, **18**: 452–4.—**Weldon, S.** A case of intramedullary tumour of the spinal cord. J. R. Nav. M. Serv., 1940, **26**: 386–90.—**Westhaysen, P.** Acute epidural abscess of the spine. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: No. 2, 5–8.

—— Cauda equina.

See also **Injury**—by organs: Nervous system.

Abrin, S. G. Klinika i lečenie travmatičeskikh povreždenij voennogo vremeni v oblasti konskogo khvosta. Hosp. delo, 1945, No. 4, 44–9. Also Khirurgia, Moskva, 1945, No. 5, 73–81. Also in Sborn. nauch. rabot evakohosp. (Tadzhik Narkomzdrav.) Stalinabad, 1945, 71–80.—**Lazarev, V. G.** [Gunshot injuries of the cauda equina] Vopr. nevrokhir., 1945, **9**: 44–6.—**Munro, D.** Two-year end-results in the total rehabilitation of veterans with spinal-cord and cauda-equina injuries. N. England J. M., 1950, **242**: 1–16.

—— Concussion.

Aronovich, G. D. [Commotional-contusional syndromes of the spinal cord in war injury] Nevropat. psikhiat., 1944, **13**: 66–70.—**Baker, G. S., & Daniels, F.,** jr. Concussion of the spinal cord in battle casualties. J. Neurosurg., 1946, **3**: 206–11.—**Brown, T. G.** A case of concussion of the spinal cord, resultant on a graze by a live shell; with especial reference to the phenomenon of heteraesthesia. J. Neur. Psychopath., Lond., 1920–21, **1**: 54–9.—**Livingston, W. K., & Newman, H. W.** Spinal cord concussion in war wounds. West. J. Surg., 1946, **54**: 131–9.—**Scheichl, F., & Betzendahl, W.** Commotio spinalis bei Schulterschuss insbesondere mit Priapismus. Deut. Militärarzt, 1943, **8**: 350–3.

—— Injury.

See also **Paraplegia; Spine,** Injury.

Bondarćuk, A. V., & Revjakin, L. P. Повреждения позвоночника и спинного мозга военного времени. p.161–258. 22½cm. Leningr., 1942.

In: Osn. voen. polev. neirokhir. (Bondarćuk, A. V.) Leningr., 1942.

Bors, E. H. J. Spinal cord injuries. 55p. 27cm. Wash., 1948.

Forms Techn. Bull. TB 10–503 U. S. Veterans Admin.

Le Coniat, L. *Les blessures de guerre de la moelle [Lille] 48p. 24½cm. Rennes, 1939.

Peiper, H. Richtlinien für die Versorgung Hirn- und Rückenmarkverletzter. MS. 6p. 30cm. n.p. [ca. 1940]

United States. Veterans Administration. Technical bulletin TB 10A–1: Procedures and techniques for corrective physical rehabilitation of patients with spinal cord injuries. 3p. 27cm. Wash., 1946.

United States. War Department. Technical bulletin TB MED 162: Convalescent care and rehabilitation of patients with spinal cord injuries. 10p. 26cm. Wash., 1945.

Carmichael, F. A., & Hinkel, C. L. Evaluation of penetrating spinal wounds. Bull. U. S. Army M. Dep., 1946, **5**: 558–61.—**Collins, J., & Craig, C. B.** Injuries to the spinal cord produced by modern warfare. Tr. Am. Neur. Ass., (1916) 1917, **42**: 268.—**Conclusions** relatives aux résultats éloignés des plaies de la moelle. C. rend. Conf. chir. interall., (1919) 1920, 9.—**Covalt, D. A.** The rehabilitation of the veteran with severe spinal cord injury. Occup. Ther. Rehabil., 1946, **25**: 187–90.—**Elkins, C. W.** Neurological aspects. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 36–8. ——— **& Wegner, W. R.** Newer concepts in the treatment of the paralyzed patient due to war-time injuries of the spine; neurosurgical complications. Tr. South. Surg. Ass. (1945) 1946, **57**: 36–42.—**Everts, W. H., & Woodhall, B.** The management of head and spinal cord injuries in the Army. J. Am. M. Ass., 1944, **126**: 145–8.—**Gorinevskaia, V. V.** Ranenija pozvonoćnika i spinnogo mozga. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 279–85. ——— Povreždenija pozvonoćnika i spinnogo mozga. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 252–70.—**Guillain, G.** Sur les plaies de la moelle épinière. Arch. méd. pharm. mil., 1919, **71**: 349.—**Harley, H. R.** Notes on war injuries of the spinal cord and cauda equina. Guy's Hosp. Gaz., Lond., 1941, **55**: 41–3.—**Haynes, W. G.** Acute war wounds of the spinal cord. Am. J. Surg., 1946, **72**: 424–33.—**Henle.** Verletzungen des Rückenmarks und der Cauda. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 350–3.—**Hinman, F.** The care of the bladder at the front when paralyzed by injuries to the spinal cord. Tr. West. Sect. Am. Urol. Ass., 1941, **10**: 69–74; Disc., 149–53.—**Kislov, V. A.** [Clinical peculiarities of war injuries of the spinal cord] Vopr. nevrokhir., 1943, **7**: No. 3, 34–40.—**Klemperer, W.** Statistical report of spinal cord injuries. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 3, 12–5.—**Krause, F.** Kriegs verletzungen des Rückenmarks. Deut. med. Wschr., 1918, **44**: 311.—**Kuprijanov, P. A.** Ranenija i zakrytye povreždenija pozvonoćnika i spinnogo mozga. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 328–37, pl.—**Leva, J.** Verletzungen des Rückenmarks im Kriege. Deut. med. Wschr., 1915, **41**: 844. Also Münch. med. Wschr., 1915, **62**: 925–9.—**Lévy, F.** Considérations sur les traumatismes médullaires par blessés de guerre. Bull. Soc. méd. hôp. Paris, 1917, 3. ser., **41**: 253–9.—**McCravey, A.** Plea for exploration of the spinal canal and cauda spina injuries. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 38.—**Marshall, G. C.** Convalescent care and rehabilitation of patients with spinal cord injuries. War Med., Chic., 1945, **8**: 199–205.—**Maupetit, G.** Les blessés de la moelle épinière dans les ambulances du front. Rev. gén. clin. thér., 1916, **30**: 22–4.—**Monteiro, A.** Traumatismos raquemedulares na guerra. Impr. méd., Rio, 1943, **19**: No. 357, 76–80.—**Munro, D.** Spinal-cord injuries. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 406–39.—**Oláh, A.** [Haemorrhage of the spinal cord, due to the distant action of a war wound] Gyógyászat, 1918, 58: 656; 673.—**Pélot.** La cystostomie dans les traumatismes médullaires. Bull. Soc. méd. mil. fr., 1949, **43**: 67–9.—**Petroff, B.** Urological aspects. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 42–6.—**Podgornaja, A. J.** [The characteristics of trauma of the spinal cord according to data of a neurological rear hospital] Vopr. nevrokhir., 1944, **8**: 56.—**Poer, D. H.** Newer concepts in the treatment of the paralyzed patients due to war-time injuries of the spinal cord; outline of plan and statistical analysis. Tr. South. Surg. Ass. (1945) 1946, **57**: 30–5. Also Ann. Surg., 1946, **123**: 510–5. ——— War experiences in the treatment of spinal cord injuries. South. Surgeon, 1947, **13**: 294–7.—**Rallo, T.** Sobre un caso de lesión traumática de la medula espinal. Rev. san. mil., Madr., 1920, 3. ser., **10**:

257–65.—**Rappaport, H.** Post-mortem findings in six cases of traumatic transverse lesions of the spinal cord. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 92–5.—**Rogers, L.** The treatment of war injuries of the spinal cord. Mod. Treat. Yearb., 1945, 182–6, pl. Also Med. Press & Circ., Lond., 1944, **211**: 148.—**Rouquès, L.** Les traumatismes de la moelle épinière; d'après l'expérience de la guerre, 1914–18. Presse méd., 1939, **47**: 1422.—**Roussy, G.** Deux cas de section de la moelle par plaie de guerre suivis d'autopsie. Rev. neur., Par., 1914, **22**: 206.—**Rugg-Gunn, M. A.** Traumatic lesions of the spinal cord. J. R. Nav. M. Serv., 1945, **31**: 228–37.—**Salvini, D.** Sulle possibilità terapeutiche delle lesioni traumatiche midollari traverse e radicolari. Gior. med. mil., 1943, **91**: 262–71.—**Schneider, R. C., Webster, J. E., & Lofstrom, J. E.** A follow-up report of spinal cord injuries in a group of World War II patients. J. Neurosurg., 1949, **6**: 118–26.—**Schum, H.** Zur Behandlung der Rückenmarksverletzungen im Felde. Münch. med. Wschr., 1915, **62**: 168.—**Spurling, R. G.** Spinal cord injuries (remarks extracted from a report) Bull. U. S. Army M. Dep., 1945, No. 87, 36.—**Thomson-Walker, J.** The treatment of the bladder in spinal injuries in war. Proc. R. Soc. M., Lond., 1936–37, **30**: 1233–40.—**Varschavskaja, D. J.** [Experience of work of a spinal department of a front evacohospital] Vopr. nevrokhir., 1945, **9**: 48–50.—**Ward, W. C., & Maltby, G. L.** Associated complication in war wounds of the spine. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 46–50.

—— Injury, gunshot.

Matson, D. D. The treatment of acute compound injuries of the spinal cord due to missiles. 64p. 22½cm. Springf., 1948.

Barré. Remarques sur quelques cas de blessures de la moelle par projectiles de guerre. Rev. neur., Par., 1914–15, **22**: 567–70.—**Baudet, R.** Plaie pénétrante du canal rachidien par coup de feu; balle de shrapnell intrarachidienne; compression de la moelle; paralysie spasmodique des membres inférieurs; laminectomie; extraction du projectile; atténuation progressive de la paraplégie. Bull. Soc. chir. Paris, 1914, **40**: 1203.—**Bec.** Ball de shrapnell extraite du canal rachidien. Gaz. méd. Paris, 1916, **87**: 46.—**Bondarćuk, A. V.** Obšćie principy etapnogo lećenija ognestrelnykh ranenij pozvonoćnika i spinnogo mozga. In his Osn. voen. polev. neirokhir., Leningr., 1942, 196–9.—**Brookhart, J. M., Groat, R. A., & Windle, W. F.** A study of the mechanics of gunshot injury to the spinal cord of the cat. Mil. Surgeon, 1948, **102**: 386–95.—**Fraenkel, E.** Zwei bemerkenswerte Fälle von Rückenmarksverletzungen durch Gewehrschüsse. Deut. med. Wschr., 1915, **41**: 551.—**Gazova, O. A.** Ognestrelnye ranenija spinnogo mozga i ikh konservativnoe lećenie v tylovykh hospitaljakh. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 331–5.—**Krondl, A.** [Gunshot wounds of the spinal cord and their possible effects in military service] Voj. zdrav. listy, 1937, **13**: 135–42.—**Langeron, P., & Denecker, J.** Les traumatismes de la moelle par projectiles de guerre. J. sc. méd. Lille, 1945, **63**: 21–8.—**Murakami, T., & Yamamoto, N.** Sekizui syasō tiryō ni okeru kasi setudan no igi ni tuite [Die Bedeutung der Amputation der Unterextremitäten bei der Behandlung der Rückenmarkschüsse] Gun idan zassi, 1934, 1–10, illust.—**Murashov, I. K.** Spinnomozgovaja ognestrelnaja travma po materialu nejrokirurgićeskoj gruppy N-skoj armii. Hosp. delo, 1947, No. 2, 15.—**Partington, C. B.** Gunshot wound of spinal cord, with syndromes of Brown-Séquard, Déjérine, Klumpke and Horner. Med. Bull. Veterans Admin., 1943–44, **20**: 82.—**Revjakin, L. P.** Evakuacija, sortirovka i sanitarnyj transport pri ognestrelnykh ranenijakh pozvonoćnika i spinnogo mozga. In: Osn. voen. polev. neirokhir. (Bondarćuk, A. V.) Leningr., 1942, 199–202.—**Solomon, H. C.** Dissolution of continuity of the spinal cord by a projectile passing near but not damaging the vertebral column. Arch. Neur. Psychiat., Chic., 1920, **4**: 113.—**Tönnis, W.** Die Behandlung der Schussverletzungen des Rückenmarks. Deut. Militärarzt, 1944, **9**: 146–8.

SPINAL fluid.

See under **Meningic space.**

SPINE.

See also **Intervertebral disc; Spinal cord.**

Browne, W. W. A brief note concerning the treatment of primary lateral curvature of the spine by means of simple exercises. J. R. Army M. Corps, 1912, **18**: 86.—**Zacepin, T.** Pozvonoćnik. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 701–9.

—— Disease.

See also **Meningic space,** Hemorrhage; **Spondylitis; Spondylolisthesis; Tuberculosis.**

Barbilian, N. Câteva consideraţiuni asupra patologiei nucleului pulpos. Rev. san. mil., Bucur., 1937, **36**: 337–44. illust.—**Biggam, A. G.** Spinal tumours; their diagnosis and localization. J. R. Army M. Corps, 1934, **62**: 337–51.—**Cameron, M. F.** Adequate positioning in radiography of lumbar spine, sacro-iliac and lumbo-sacral joints. Treatm. Serv. Bull., Ottawa, 1947, **2**: 31–3.—**Cianciara, M.** [The vertebral column and rheumatic affections] Lek. wojsk., 1935, **25**: 153–7.—**Crespellani, C.** Sulla valutazione dei segni radiologici di affezioni e lesioni della colonna in medicina legale militare. Atti Congr. ital. radiol., 1934, **11**: pt 2, 79.—**Kessel, K.** [Diagnostic value of symptoms in injuries and affections of the spinal column] Lek. wojsk., 1935, **26**: 458–66.—**Krajcwski, F.** [Affections of the internal organs and changes in the spinal column] Ibid., 1938, **31**: 47–57.—**Mosberg, W. H.** Malformation of the cervical spine. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 5, 1–9.—**Squirru, C. M.** El nuevo tratamiento del Dr. A. G. Timbrell Fisher, la movilización forzada, cirujía manipulativa o bonesetting y el masaje clásico. Rev. san. mil., B. Air., 1932, **31**: 117–49.—**Takatori, T.** Man-sei kyōtyoku-sei sekitui-kansetu-syō no iti rei [A case of chronic stiffness of the vertebral joints] Kaigun gun-ikai zassi, 1940, **29**: 810–4, pl.—**Theodor, I. G.** Contribuţiuni la studiul afecţiunilor colcanei vertebrale in armată. Rev. san. mil., Bucur., 1936, **35**: 99–114.

—— Dislocation.

See also subheading (Injury)

Fletcher-Barrett, K. A case of dislocation of the 12th dorsal vertebra. J. R. Army M. Corps, 1939, **73**: 190–4.—**Folly.** Deux cas de luxation cervicale haute latente. Bull. Soc. méd. mil. fr., 1927, **21**: 25–7.—**Gimlette, G. T.** A case of dislocation of the neck. J. R. Army M. Corps, 1940, **75**: 261–4.—**Ledbetter, R. E.** A case of fracture-dislocation of spine; laminectomy. U. S. Nav. M. Bull., 1915, **9**: 433.—**L'Heureux.** Luxation unilatérale gauche de la 3e vertèbre cervicale sur la 4e par rotation forcée. Bull. Soc. méd. mil. fr., 1923, **17**: 149–51.—**Reeves, I. S. K., & Miller, M. K.** A case of subluxation of cervical vertebra by muscular action. U. S. Nav. M. Bull., 1919, **13**: 107.—**Stephen, R. A.** A case of complete bilateral dislocation of the neck. J. R. Army M. Corps, 1938, **70**: 395–401.

—— Injury.

See also **Fracture** subheadings (—by site: Spine; Vertebra) **Injury**—by branches: Air Force; **Paraplegia; Spinal cord,** Injury; **Vertebra.**

Great Britain. Flying Personnel Research Committee. F. P. R. C. No. 274 (a) Notes of Conference on Sutton harness and prevention of spinal injuries. 1 l. 23½cm. Lond., 1941.

Uffreduzzi, O. Le ferite d'arma da fucco della colonna vertebrale e del midollo. p.714–49. 25cm. Tor., 1940.

In his Chir. guerra, Tor., 1940.

—— Le ferite della colonna con lesioni nervose. p.718–48. 25cm. Tor., 1940.

In his Chir. guerra, Tor., 1940.

Aubourg, P., & Le Go, P. Blessure de guerre; lésions du rachis et de la queue de cheval; crises subintrantes causalgiques datant de 20 ans, améliorées par des microdoses électriques. Bull. Soc. méd. Paris, 1934, 531–5.—**Biggam, A. G.** Two cases of spinal injury in the upper lumbar region showing marked improvement without surgical interference. J. R. Army M. Corps, 1929, **52**: 47–51.—**Cavalcanti, J.** Lesões do raquis e medula em cirurgia de guerra. Neurobiologia, Recife, 1943, **6**: 1–12.—**Cohen, H., & Rogers, L.** War injuries of the spine and cord. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 711–32; 2. ed., Balt., 1942, 1: 333–55.—**Dorronsoro Montes, A.** Consideraciones sobre las heridas del raquis. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 89–91. Also Rev. españ. med. cir. guerra, 1939, **2**: 431–4.—**Gesenius, H.** Der Sturz auf die Gasmaskenbüchse. Deut. med. Wschr., 1940, **66**: 1099.—**Heimanović, A. I., & Pavlonsky, J. M.** [Traumatic injuries of the spine and spinal cord during military campaign] Vopr. nevrokhir., 1940, **4**: No. 3, 13–25.—**Heineke, H.** Verletzungen der Wirbelsäule und des Rückenmarkes. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 672–99.—**Hukuyama, M.** Tokusyu no heigyō ni yoru sekitui gaisyō no kenkyū [Study of trauma of the spinal column caused by special kinds of military tasks] Gun idan zassi, 1927, 1371–82, pl. tab.—**Kerr, A. S.** Observations on the spinal injuries of this war. J. Neur. Psychiat., Lond., 1941, n. ser., **4**: 277.—**Knight, G.** War injuries of the spine and spinal cord. Postgrad. M. J., Lond., 1940, **16**: 247–55.—**Morisson.** Traumatismes rachidiens et anomalies vertébrales congénitales. Bull. Soc. méd. mil. fr., 1929, **23**: 94–101.—**Noon, C.** The story of a spinal injury; by a patient, a solicitor aged 30. J. R. Army M. Corps, 1920, **34**: 527–31.—**Oltramare, J. H.** Lésions du rachis. In his Chir. guerre, Lausanne, 1944, 272–9.—**Rapoport, B. I.** K voprosu o povreždenijakh pozvonoćnika i spinnogo mozga v voennoe vremja i ob ikh khirurgićeskom lećenii po dannym N-skogo neirokhirurgićeskogo evakohospitalja. Vopr. nevrokhir., 1947, **11**: No. 2, 58.—**Robiou García, E.** Traumatismos de la columna vertebral y de la médula por agentes bélicos. Rev. mex. cir., 1942, **10**: 27–36.—**Schmidt, K. H.** Kriegsverletzungen der Wirbelsäule und des Rückenmarks. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 359–93.—**Schönbauer, L., & Pokorny, F.** Die Kriegsverletzungen der Wirbelsäule und des

Rückenmarkes. In: Kriegschirurgie, (Zimmer, A.) Wien, 1944, **2:** 3–36.—**Stahl, O.** Die Verletzungen des Rückens, der Wirbelsäule und des Rückenmarks. In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944, 346–54.—**Takatori, T.** Gaisyō ni kiin-seru sekizui-syuyō syuzyutu tiken rei [Successful surgical treatment of tumor of the spinal cord caused by trauma] Kaigun gun-ikai zassi, 1941, **30:** 54–7, pl.—**Taylor, J., Watson-Jones, R. W., & Nissen, K. I.** War injuries of the spine. Brit. M. J., 1941, **1:** 452. ——— Discussion on war injuries of the spine. Proc. R. Soc. M., Lond., 1940–41, **34:** 447–58.—**Tregubov, S.** [Injuries of the spinal column during the war] Ortop. travmat., Kharkov, 1934, **8:** 15–23.—**Uffreduzzi, O.** Le ferite della colonna senza lesioni nervose. In his Chir. guerra, Tor., 1940, 715–8, illust.—**War** injuries of the spine. J. Am. M. Ass., 1941, **116:** 2421.—**Watson-Jones, R.** War fractures of the spine. In his Fractures 3. ed. Edinb. 1943, **1:** 322.

—— Injury: Cervical spine.

See also subheading (Dislocation)

Carney, H. J. Original traction appliance for cervical spine injuries. Med. Bull. North Afr. Theater U. S., 1944, **2:** 98–100.—**Chamberlin, F. T.** A homemade adjustable collar for fractures of the cervical vertebrae. Mil. Surgeon, 1936, **78:** 92–5.—**DeCourcy, D. M.** Diseases and injuries of the cervical spine. Med. Bull. Veterans Admin., 1943–44, **20:** 53–5.—**Eaton, E. R.** Compression fracture of cervical vertebrae with spondylitis osteo-arthritica. Mil. Surgeon, 1941, **88:** 549–53.—**Gatti, L.** La riverca del riflesso osteoradiale nelle ferite della colonna cervicale. Gior. med. mil., 1941, **89:** 618.—**Hill, R. C. J.** Fracture dislocation of the neck with transection of the spinal cord from tripping when walking. J. R. Nav. M. Serv., 1945, **31:** 35.—**Hook, F. R., & Mazet, R.** An ambulatory traction device for the treatment of fractures of the cervical spine. U. S. Nav. M. Bull., 1943, **41:** 207–13.—**Kaplan, A., & Wilson, J. D.** Cervical spine injuries; treatment by the use of Crutchfield tongs. Ibid., 1944, **42:** 443–7.—**Moxon-Browne, E.** Verbatim report of an interesting case of injury of cervical vertebrae. J. R. Nav. M. Serv., 1922, **8:** 229.—**Quigley, T. B.** Immobilization of cervical spine for transportation. Bull. U. S. Army M. Dep., 1944, No. 78, 114.

—— Injury, gunshot.

Pool, J. L. Gunshot wounds of the spine; observations from an evacuation hospital. Surg. Gyn. Obst., 1945, **81:** 617–22.—**Ruckensteiner, E.** Röntgenaufnahmen längs der Wirbelsäulenachse zur Lagebestimmung von Steckschüssen. Bull. War M., Lond., 1942–43, **3:** 622 (Abstr.)—**Shorten, J. A.** Shrapnel wound of the spine with exceptionally low temperature. Brit. M. J., 1915, **1:** 801.—**Soltysik, A.** [Gun-shot injuries of the spinal column] Lek. wojsk., 1935, **25:** 532–9.—**Stahl, O.** Die Kriegsschussverletzungen des Rückens, der Wirbelsäule und des Rückenmarks. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 314–22; 6. Aufl., Dresd., 1943, 342–50.—**Stevenson, W. F.** Gunshot injuries of the spine. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 50–66, 3 pl.—**Zimmer.** Nicht erkannte Lage eines im Wirbelkanal steckenden Gewehrgeschosses. Aerztl Sachverst. Ztg, 1927, **33:** 73–6.

—— Injury: Treatment.

See also **Spinal cord,** Injury; **Surgical technic,** Spine.

Bladder (The) in spinal injuries in war. Brit. M. J., 1937, **1:** 934–6.—**Dinken, H.** War injuries of the vertebral column and spinal cord, with special reference to physical treatment. Med. Clin. N. America, 1943, **27:** 1077–90.—**Elkins, C. W., & Wegner, W. R.** Newer concepts in the treatment of the paralyzed patient due to war-time injuries of the spine; neurosurgical complications. Ann. Surg., 1946, **123:** 516–22.—**[Instruction** for treatment of traumatic injuries of the spine and spinal cord in neurosurgical evacuation hospitals] Sovet. med., 1942, **6:** No. 10, 22.—**Jentzer, A.** Des lésions vertébrales dans la chirurgie de guerre. Rev. méd. Suisse rom., 1915, **35:** 578–84.—**Matson, D. D.** Treatment of compound spine injuries in forward Army hospitals. J. Neurosurg., 1946, **3:** 114–9.—**Novozhilov, D. A.** [Stretchers for transportation and treatment of spinal wounds] Voen. san. delo, 1941, No. 8, 90–3.—**Shelden, C. H., Pudenz, R. H.** [et al.] Late management of spinal injuries. Bumed News Lett., Wash., 1945, **5:** No. 12, 2–6.—**Thomson-Walker, J.** The treatment of the bladder in spinal injuries in war. Brit. J. Urol., 1937, **9:** 217–30.—**Ward, R. O.** The management of the bladder in spinal injuries. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 733–42; 2. ed., Balt., 1942, **1:** 356–65.—**Wilmoth, C. L.** Points in diagnosis and treatment of spinal injuries. Mil. Surgeon, 1929, **65:** 531–5.

—— Osteomyelitis.

Brown, R., & Hoffman, B. P. Osteomyelitis of the spine secondary to paravertebral block. Bull. U. S. Army M. Dep., 1948, **8:** 391–6.—**Casella, D.** Un caso di osteomielite vertebrale posteriore dorso-lombare acuta stafilococcica. Gior. med. mil., 1930, **78:** 635–49.

—— Surgery.

See **Surgical technic,** Spine.

SPINNING aircraft.

See **Acceleration,** centripetal; **Parachute escape**

SPIRILLOSIS.

See with **Spirochetosis.**

SPIROCHAETA.

See also **Treponema.**

Gowen, G. H. Pseudo-spirochaetes in blood. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 53–5.—**Kuzell, W. C.** Artifact spirochetes in infectious hepatitis. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 2, 24.—**O., W. H.** Stain for spirochetes. Bumed News Lett., Wash., 1943, **1:** No. 6, 3.

SPIROCHETOSIS.

See also **Mouth,** Disease; **Syphilis; Treponema; Vincent infection.**

Bonsfield, L. Observations on human spirochaetosis in the Sudan. J. R. Army M. Corps, 1910, **15:** 444–53.—**Gelonesi, G.** Di un strano reparto in alcune spirochetosi. Ann. med. nav., Roma, 1928, **34:** pt 2, 54–8, pl. ——— Spirocheti e spirochetosi con speciale riguardo alle spirochetosi esotiche. Ibid., 1932, **38:** pt 2, 575–99, 4 diagr.—**Gins, H.** Die Spirillose der menschlichen Mundhöhle. Deut. Militärarzt, 1942, **7:** 553–9.

SPIROMETER.

Seiler, K. Die Verwendbarkeit und Zuverlässigkeit der Spirometrie in der Sportmedizin. Deut. Militärarzt, 1938, **3:** 531–8.—**Shafranovsky, A. E.** [Dynamic spirometry as a method of examination of the functional capacity of the apparatus of blood circulation and respiration in the evaluation of work- and battle-capacity] Klin. med., Moskva, 1945, **23:** No. 1, 29–36.—**Silverman, L., Plotkin, T., & Lee, G.** A field instrument for measuring volume and instantaneous flow rate of inspired air. Rev. Sc. Instrum., 1948, **19:** 513–26.

SPITZBERGEN.

See under **World War II.**

SPITTOON.

Keenan, B. Collapsible dental cuspidor. Air Surgeon Bull., 1944, **1:** No. 8, 23.—**Paynter, F. L.** Cuspidor stand. Mil. Surgeon, 1943, **92:** 525.—**Romary.** A propos des crachoirs collectifs; le marc de café comme excipient. Caducée, Par., 1912, **12:** 173.—**Smith, F. L.** The service spit-kid; a suggested improvement. J. R. Nav. M. Serv., 1918, **4:** 328.

SPLEEN.

See also **Hematopoietic system; Reticuloendothelial system.**

Fegler, J. [Experimental research work on the role of the spleen in the regeneration of leucocytes] Lek. wojsk., 1928, **11:** 17–23.—**Is** your spleen really necessary? Bull. Army M. Dep., Lond., 1945, No. 51, 5–7.

—— Diseases.

See also **Splenomegaly.**

De Vecchi, B. Sulle splenopatie ad aree di Gamna. Ann. med. nav., Roma, 1928, **34:** pt 2, 305–15.—**Gordon, F. N.** Diffuse splenic fibrosis. Med. Bull. Veterans Admin., 1931, **7:** 847–50.—**Harsant, A. G.** Four uncommon abdominal tumours. J. R. Army M. Corps, 1946, **87:** 133–41.—**Jameson, E. M., & Smith, O. F.** Calcified cyst of the spleen; report of a case, with review of literature. U. S. Nav. M. Bull., 1945, **45:** 537–41.—**Kâmil Sokullu.** Dalak kist hidatiği. Askerî sıhhiye mecmuası, 1942, **71:** 67.—**Kjakšto, A. F.** Ekhinokokk pečeni. Voen. med. J., S. Peterb., 1912, **235:** Med. spec. pt, 246–50.—**Lavergne, V. de, & Accoyer, H.** Abcès de la rate à bacille paratyphique A. Bull. Soc. méd. mil. fr., 1934, **28:** 62–7.—**Martin, F. E.** Ruptured aneurysm of splenic artery; report of a case. U. S. Nav. M. Bull., 1945, **44:** 152.—**Sharpe, W. W. S., & Darke, E. G. C.** A fatal perisplenic abscess complicated by malaria. J. R. Army M. Corps, 1932, **59:** 294–7.

—— Injury.

See also next subheading.

García Barón, A. Heridas del bazo por arma de fuego. Rev. españ. med. cir. guerra, 1941, **7:** 73–88.—**Kallius, H. U.** Delayed haemorrhage in injuries of the spleen. Bull. War. M., Lond., 1941–42, **2:** 352 (Abstr.)—**Kazakov, M. M.** [Methods of arresting hemorrhage in injuries of the spleen] Voen. med. J.,

Moskva, 1930, 1: 11–23.—**Munhall, H.** Two cases of delayed subcapsular hemorrhage following trauma of the spleen. Med. Bull. Europ. Command. 1949, 6: No. 2, 6.—**Rémilly, A.** Séton de la rate par éclat de grenade; splénectomie; guérison. Rev. path. comp., Par., 1917, 17: 322.—**Rhame, H. E.** Splenic injury. U. S. Nav. M. Bull., 1945, 45: 342–5.—**Stevenson, W. F.** Gunshot wounds of spleen. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 105.

—— Rupture.

Bueermann, W. H. The latent period and delayed hemorrhage following traumatic rupture of the spleen. U. S. Nav. M. Bull., 1943, 41: 73–93.—**Filbry.** Ein Fall von subkutaner, querer Milzzerreissung auf dem Manöverfelde. Deut. mil., ärztl. Zschr., 1911, 40: 317–9. ——— Ein Fall von subkutaner, ausgedehnter Milzzerreissung auf dem Manöverfelde. Verh. Ges. deut. naturforsch., (1910) 1911, 82: 2. Teil, 491.—**Friant.** Contusion de l'abdomen dans le flanc gauche et rupture souscutanée de la rate. Arch. méd. pharm. mil., 1912, 60: 542–7.—**Hutton, W. A.** Report on a case of ruptured spleen. J. R. Nav. M. Serv., 1941, 27: 195.—**Jaworski, C.** [Rupture of spleen with hemorrhage into abdominal cavity in a case of typhoid fever] Lek. wojsk., 1927, 10: 271–3.—**Johnson, L. W.** Traumatic rupture of the spleen; report of case. U. S. Nav. M. Bull., 1927, 25: 336–40.—**McLure, H. M., & Pearlman, C. K.** Delayed rupture of the spleen. Med. Bull. Veterans Admin., 1943–44, 20: 330–2.—**Mervine, T. B.** Rupture of the spleen; a case report. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 4: No. 3, 17.—**Merz.** Un cas de rupture traumatique de la rate. Bull. Soc. méd. mil. fr., 1928, 22: 40–6.—**Oudard.** Deux cas de rupture traumatique de la rate a symptomatologie retardée (mécanisme et mode opératoire) Arch. méd. pharm. nav., 1926, 116: 145–53.—**Perisho, G. M., & Steiner, M.** Traumatic rupture of the spleen. U. S. Nav. M. Bull., 1944, 43: 216–22.—**Rafferty, G. W.** Traumatic rupture of the spleen. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 4: No. 3, 14–6.—**Ramos, J. de O.** Rotura traumática de baço palúdico. Rev. med. mil., Rio, 1949, 38: 79–83.—**Santini, F. J., Olechowski, L. W., & Nichols, J. E.** Delayed splenic rupture; report of case. U. S. Nav. M. Bull., 1945, 44: 395–400.—**Shand, J.** Rupture of spleen; splenectomy. J. R. Nav. M. Serv., 1917, 3: 472.—**Smith, S., & O'Farrell, W. R.** Subcapsular rupture of the spleen with delayed intraperitoneal haemorrhage; Bilharziasis. J. R. Army M. Corps, 1926, 47: 373–7.—**Spiridonović, R.** [Retarded hemorrhage following traumatic rupture of the spleen] Voj. san. glasnik, 1932: 3, 103–21.—**Steele-Perkins, D. D.** Rupture of the spleen. J. R. Nav. M. Serv., 1949, 35: 37.—**Vial Donoso, E.** Dos observaciones sobre rupturas traumáticas del bazo. Rev. san. nav., Valparaiso, 1936, 6: 23–7.

SPLENECTOMY.

See also **Malaria, Type: Gallinaceum.**

Barone, A. M. Splenectomy in blood disorders; report of cases. Med. Bull. Veterans Admin., 1942–43, 19: 273–6.—**Colombo, P.** Considerazioni clinico-ematologiche e medico-legali militari sugli splenectomizzati. Gior. med. mil., 1938, 86: 952–61.—**Donati, G.** Effetti lontani della splenectomia per trauma. Ibid., 1937, 85: 1298–318.—**Miura, T.** Ketueki sikkan ni oyobosu hi-tekisyutu no kekka, narabi-ni sono zyutusiki ni tuite [Results of splenectomy on blood diseases, and the technique] Gun idan zassi, 1927, 129–60.—**Strine, H. F.** Malarial infection complicating splenectomy. U. S. Nav. M. Bull., 1914, 8: 655.

SPLENOMEGALY.

See also **Spleen.**

Allen, W. H., & Thro, W. C. Case report; splenomegaly with eosinophilia. Mil. Surgeon, 1931, 68: 503–7.—**Collignon, M.** Diagnostic clinique des splenomégalies chroniques. Arch. méd. pharm. mil., 1930, 93: 175–203.—**Laning, R. H., & Loy, A. W.** Splenomegaly, associated with syphilis, with recovery, following splenectomy. U. S. Nav. M. Bull., 1935, 33: 261–3.—**Luccarelli, V.** Splenomegalia di guerra? Morgagni, 1919, 61: pt 1 (Arch.) 94–6.—**Mauvais, R.** La splénomégalie hémorragipare chez l'enfant. Bull. Soc. méd. mil. fr., 1947, 41: 241–3.—**Peruzzi, M.** Splenomegalie algerine (micosi spleniche?) Ann. med. nav., Roma, 1928, 34: 319–25, pl.—**Schur, H.** Eine ägyptische Splenomegalie bei einem Soldaten. Münch. med. Wschr., 1918, 65: 253. Also Wien. klin. Wschr., 1918, 31: 172.—**Smith, D. F.** Primary splenomegaly with rupture of the spleen. J. R. Army Vet. Corps, 1940–41, 12: 152–4.

SPLINT.

See also **Finger; Fracture** subheadings (Treatment: Fixation; Traction) **Jaw** subheadings (Injury; Injury: Fracture) **Nerve injury** subheadings (motor; Treatment) **Paralysis, Treatment; Plaster of Paris, Splint; Splinting.**

TURNER, J. M. Testing of cardboard splints. 2 l. 26½cm. Bethesda, 1944.
Forms Res. Proj. X–447, U. S. Nav. M. Res. Inst.

UNITED STATES. WAR DEPARTMENT. Medical field manual; splints, appliances and bandages. 90p. 19cm. Wash., 1940.

UNITED STATES. WAR DEPARTMENT. MEDICAL FIELD SERVICE SCHOOL. Splints and appliances of the U. S. Army. 3. ed. 86p. 32°. Carlisle Barracks, 1934.

Allison, N. The standardization of splints in the A. E. F. Mil. Surgeon, 1926, 58: 7; 170, pl; 259.—**Gindin, E.** Shiny, šinirovanie. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 1039–53.—**McReynolds, C. C., & Gilbert, E. W.** Splints and their application. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 206–12.—**Schrafl, A.** Man kann nie genug Festhaltungs-Material bereit stellen. Militärsanität, Zür., 1942, 24: 100.

—— Types.

Arm splint improvised from ammunition container. Bull. U. S. Army M. Dep., 1945, No. 84, 7.—**Baar, V.** Ein Wort über Strohschienen. Militärarzt, Wien, 1915, 49: 454.—**Brun, H.** Extensions- und Lagerungsschienen für den Gebrauch im Armeesanitätsdienst. Schweiz. med. Wschr., 1940, 70: 1013–5.—**Bunnell, S.** Knuckle bender splint. Bull. U. S. Army M. Dep., 1946, 5: 230.—**Cowell.** Rifle splint. In: Med. Dep. U. S. Army in the World Wqr, Wash., 1927, 7: 771.—**Cozen, L.** A new banjo splint. Mil. Surgeon, 1939, 85: 67.—**Dobnigg.** Ueber ein zusammenlegbares Universal-Hohlschienenmodell. Wien. klin. Wschr., 1914, 27: 1081.—**Donahue, C. D., & Allumbaugh, H. R.** Ladder splint with regulation litter for broken back. Mil. Surgeon, 1946, 98: 35–8.—**Dvorzhec, J. A.** [Modification and standardization of Tigerstedt's splint] Voen. san. delo, 1941, No. 8, 45–8.—**Elastic** splint for foot drop. Bull. U. S. Army M. Dep., 1945, 4: 374.—**Epstein.** Eine neue Extensionschiene. Militärarzt, Wien, 1915, 49: 326.—**Ethel, G. O.** A non-constricting traction splint. Mil. Surgeon, 1945, 96: 436.—**Fotheringham, J. B.** An improvement for the stretcher splint. J. R. Army M. Corps, 1941, 77: 99–101.—**Fritzsche, E., & Stadler, R.** Ueber eine neuartige Lagerungs- und Extensionsschiene für kriegschirurgische Zwecke. Schweiz. med. Wschr., 1939, 69: 879–81.—**Heibel, G. A.** Splints sewed in muslin. Hosp. Corps Q., 1944, 17: No. 5, 120.—**Heller, E.** Eine Leerschiene zur Extensionsbehandlung von Arm und Bein. Deut. Militärarzt, 1940, 5: 537–40.—**Henderson, R. L. V.** Acrylic resin splints. J. R. Nav. M. Serv., 1943, 29: 268.—**Hepper, J. E.** A modification of Nevelle's back splint. J. R. Army M. Corps, 1914, 23: 341.—**Heyn, W.** Die Hosenschiene. Bull. War M., Lond.s 1942–43, 3: 504 (Abstr.)—**Inaev, V. I.** [Π-shaped apparatu for giving strength to a wounded extremity, and for suspendin it] Voen. med. J., Petrogr., 1915, 243: Med. spec. pt, 211–4.—**Jenney, E. R.** The hinged box splint in emergencies. Mil. Surgeon, 1942, 91: 21–6.—**Jewett, E. L.** Different uses for the walking stirrup. U. S. Nav. M. Bull., 1944, 42: 196–200.—**Johnson, J. B., jr, & Wilson, G. H.** Zimmer Splint Company, New York, New York. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 27–9.—**Kaysen's** leg and arm traction splints as contrasted with standard Army models. For photograph see Collection in Library.—**Khlevinsky, M. I.** Neskolko slov ob aljuminievykh setkakh v kačestve čin na teatre vojny. Voen. med. J., S. Peterb., 1912, 234: Med. spec. pt, 410–9.—**Kirk, N. T., & Peterson, L. T.** Army splints. Army M. Bull., 1942, No. 64, 76–86. Also Bull. U. S. Army M. Dep., 1944, No. 72, 23–33.—**McCormick, E.** Quick repair; new type of splint, developed originally because a veterinarian wanted to make injured pets more comfortable, now saves lives of Navy men and spares them agony. Science News Lett., 1942, 42: 310.—**Matignan, J. J.** Note sur des appareils de fortune, de fabrication extemporanée, pour contention et immobilisation des membres, en campagne (Rapp. de Faure) Bull. Soc. chir. Paris, 1915, n. ser., 41: 876–88.—**Moosey, G. A., & Myer, J. C.** Multiple-purpose emergency splint. U. S. Nav. M. Bull., 1944, 42: 1187–9.—**Neff, G.** Transportschiene für Schädel- und Halsverletzungen. Schweiz. med. Wschr., 1941, 71: 1539.—**Popov, E. N.** [An improvement of Dieterich's splint] Voen. san. delo, 1943, 83.—**Romaine, F. W.** An improvement of the aeroplane splint. Mil. Surgeon, 1919, 45: 124.—**Rozen, L. A.** [1) Field foot splint. 2) Field stretcher-splints] Voen. med. J., Petrogr., 1915, 243: Med. spec. pt, 29–33.—**Scott, W. G., & Eames, C. O.** A new emergency transport splint of plyformed wood. U. S. Nav. M. Bull., 1943, 41: 1424–8.—**Tatschner, R.** Improvisation von Drahtschienen. Militärarzt, Wien, 1915, 49: 423.—**Tubby, A. H.** Malleable iron splints. J. R. Army M. Corps, 1916, 27: 97.—**Voskressensky, V. P.** Ob ispolzovanii metalličeskikh otkhodov v kačestve šin pri perelomakh kostej. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 269.—**Wagoner, G.** A transport splint for fractured spines. U. S. Nav. M. Bull., 1942, 40: 190.

—— Types: Arm splint.

See also **Extremity injury,** Upper extremity.

Grob, D. C. Adhesive splint for simple fractures of the arm. Hosp. Corps Q., 1945, 18: 68.—**Komiyayama, T.** Sisaku dai issen-siki zyōsi soegi ni tuite [Experiments in making splints for the upper arms that can be used in the first line (of battle)]

Gun idan zassi, 1936, 221–4, 2 pl.—**Rogge.** Sliding extension splint for arm. War Med., Chic., 1942, **2**: 868 (Abstr.)—**Scripp, J.,** jr. New type of plastic arm splint used in evacuation. Bumed News Lett., Wash., 1945, **5**: No. 3, 17.—**Slocum, D. B.** A simple abduction splint for the upper extremity. Mil. Surgeon, 1942, **91**: 26–9.

—— Types: Braun's.

Lloyd, E. I. The use of Braun's splint and its modifications. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 391–8; 2. ed., Balt., 1942, **2**: 635–42.

—— Types: Caliper splint.

Clarke, C. The caliper splint. J. R. Army M. Corps, 1927, **49**: 283–6.—**Gibson, P. L.** An adjustable walking caliper splint. J. R. Nav. M. Serv., 1930, **16**: 36–8.

—— Types: Cramer wire.

Fitzgerald, F. P. The use of Cramer wire. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 399–408.

—— Types: Finger splint.

See also **Finger.**

Charbonneau, L. O. An improved finger splint. Hosp. Corps Q., 1945, **18**: No. 12, 57.—**Packard, J. W.,** jr. Metal finger splint. U. S. Nav. M. Bull., 1945, **45**: 769.

—— Types: Hayes's.

Hunt, E. A. The Hayes' splint. J. Canad. M. Serv., 1944–45, **2**: 563–6.

—— Types: Hodgen's.

United States. War Department. Surgeon General's Office. Instructions for the use of the Hodgen splint. 5 l. 27cm. Wash., 1913.

—— Types: Leg splint.

See also **Leg,** Injury.

Spangler, H. J., Hartman, R. O., & Willcox, B. C. Comparative study and modification of plastic leg splint. 16, 5 l. 27cm. Camp Lejeune, 1945.

Forms Res. Proj. X-527, U. S. Nav. M. Field Res. Laborat.

Krömer, K. Eine neue Extensions-Transportschiene für Oberschenkel-, Knie- und Unterschenkelschussbrüche. Deut. Militärarzt, 1943, **8**: 661–3.—**Lübbert, H.** Eine Frühtransportschiene für die untere Extremität. Ibid., 1939, **4**: 462.—**Shaw, H. M.** A pneumatic splint for the leg. U. S. Nav. M. Bull., 1946, **46**: 1287–91.—**Trombone** traction leg splint with shoe clamp. Bull. U. S. Army M. Dep., 1945, No. 84, 8.

—— Types: Maxey's.

Nickerson, S. H. The Maxey splint for fractures of the femur and tibia; a wooden splint to be used in skeletal traction. Army M. Bull., 1943, No. 68, 203–11.

—— Types: Stader's.

Laird, R. C. The Stader splint. J. Canad. M. Serv., 1944–45, **2**: 258–62.—**Stader** (The) splint, fixation and reduction splint. Hosp. Corps Q., 1943, **16**: No. 2, 71.

—— Types: Thigh splint.

See also **Extremity injury,** Lower extremity.

Hepper, J. E. A new thigh splint. J. R. Army M. Corps, 1914, **22**: 202.—**Karakoz, M. A.** [Pasteboard splint for the thigh and method of its application] Voen. med. J., Petrogr., 1915, **244**: Med. spec. pt, 359–63.—**Williams, P. L. W.** An emergency thigh splint. J. R. Army M. Corps, 1942, **79**: 310.

—— Types: Thomas's.

See also **First aid,** military; **Fracture** subheadings (Treatment: Traction; by site: Femur)

Italy. Ministero della marina. Direzione generale della sanità militare marittima. Staffa Thomas per fratturati mod. R. Marina 1939; istruzioni per l'uso. 11p. 21½cm. Roma, 1940.

Baylis, J. E. Application of leg splint, Thomas, half-ring. Mil. Surgeon, 1940, **86**: 72–5.—**Cohda, G.** An alternative to the clove-hitch halter, for use with the Thomas' splint. J. R. Army M. Corps, 1941, **77**: 216–8.—**Cowell, E. M.** A method of teaching the front line application of Thomas's splint by numbers. Ibid., 1919, **33**: 175–8.—**Flory, C. R.** A Thomas splint traction bar. U. S. Nav. M. Bull., 1943, **41**: 1428–32.—**Griffiths, C. V.** The use of the Thomas' splint for ship work. J. R. Nav. M. Serv., 1918, **4**: 429–31.—**McCusker, E. A.** The McCusker traction footpiece and support for use with the Thomas' leg splint. J. R. Army M. Corps, 1941, **77**: 102–4.—**McMurray, T. P.** The use of the Thomas splint. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 379–86; 2. ed., Balt., 1942, **2**: 623–30.—**Martin, T. D. M.** A method of carrying Thomas' splints in motor ambulances. J. R. Army M. Corps, 1940, **75**: 47.—**Monro, D. C.** Boot clip for extension of leg in Thomas leg splint. Ibid., 1939, **73**: 365–70.—**Shields, R. T.** A bamboo Thomas leg splint. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 127.—**Spring** wire splint for Pierson attachment; Thomas splint. Bull. U. S. Army M. Dep., 1945, **4**: 149.—**Weber, H. M.** A new type sling for a Thomas splint. U. S. Nav. M. Bull., 1936, **34**: 551, pl.—**Wheeler, W. I. De C.** The use of Thomas' frames. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, p.387–90.—**Williams, O. H.** First-aid extension brace for use with Thomas splints. J. R. Army M. Corps, 1919, **32**: 150–2.

—— Types: Tobruk.

See **Fracture**—by site: Extremity, lower; also **Plaster of Paris,** Tobruk plaster.

SPLINTING.

See also **Fracture** subheadings (Transportation; Treatment: Fixation) **Splint.**

Bosworth, B. M. Splints and casts in the treatment of war injuries. Am. J. Surg., 1946, **72**: 385–92.—**Early** (The) treatment of bone and joint wounds, with special reference to splinting at the front. Rev. War Surg. & M., 1918, **1**: No. 8, 23–9.—**Hirscher, H.** Ueber die Polsterung von Schienen in Krieg und Frieden mit besonderer Berücksichtigung der Dauerpolsterschienen. Deut. Militärarzt, 1938, **3**: 304–7.—**Markelov, N. S.** [Rationalization of splints for fractures during campaigns] Voen. med. J., Moskva, 1932, **3**: 106–12.—**Penn, H.** A simple method for extremity immobilization. U. S. Nav. M. Bull., 1943, **41**: 1432–4.—**Stiff** fingers from improper splintage. Bull. Army M. Dep., Lond., 1945, No. 51, 4.

SPOILAGE.

See **Ration,** Spoilage.

SPONDYLARTHROSIS.

See also **Spine,** Disease.

Crosfill, J. W. L. Alkaptonuria with familial incidence, associated with spondylitis ankylopoietica. J. R. Nav. M. Serv., 1945, **31**: 173–5.—**Graham, W.** Ankylosing spondylitis; a study of 100 cases. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 2, 18.—**Markelov, N. S.** [Spondylosis of the fifth lumbar vertebra and service in the Red Army] Voen. Med. J., Moskva, 1930, **1**: 43–7.—**Nagayama, T.** Man-sei kyōtyoku-sei sekitui-kansetu-syō no iti rei [Ueber einen Fall von Spondylarthrosis ankylopoetica] Kaigun gun-ikai zassi, 1937, **26**: 919–28, pl.—**Solomon, S.** Ankylosing spondylitis; report of 30 cases. Bull. U. S. Army M. Dep., 1947, **7**: 291–303.—**Winemiller, Z. H.** Spinal rigidity (Marie-Strumpell) U. S. Veterans Bur. M., Bull., 1926, **2**: 1064–6.—**Woldenberg, S. G.** Arthritis of the spine. Med. Bull. Veterans Admin., 1932, **8**: 113–8.

SPONDYLOLISTHESIS.

See also **Spine,** Disease.

McMaster, P. E., & Dula, F. M. Prespondylolisthesis; a study of 23 cases. U. S. Nav. M. Bull., 1946, **46**: 1077–82.—**Maxwell, H. C.** Spondylolisthesis in males. Mil. Surgeon, 1927, **60**: 438–41, 2 pl.—**Meyerding, H. W.** Spondylolisthesis. Med. Bull. Veterans Admin., 1934–35, **11**: 10–5.—**Scheid, F., & Malluche.** Beitrag zur Frage der traumatischen Entstehung einer Spondylolisthesis. Deut. Militärarzt, 1941, **6**: 136–9.—**Walker, J. A. L.** Physical signs of spondylolisthesis. J. Canad. M. Serv., 1944–45, **2**: 478–82.

SPONGE.

See with **Surgical equipment.**

SPONTANEOUS pneumothorax.

See under **Pneumothorax.**

SPOROTRICHOSIS.

See also **Mycosis.**

Barker, H. O., & Nieweg, G. A. Sporotrichosis. U. S. Veterans Bur. M. Bull., 1930, **6**: 135.—**Chaillot, L.** Etude d'un cas de sporotrichose chronique relevé chez un chameau. Rev. vét. mil., Par., 1932, **16**: 328–31.—**Herrick, J. C.** Sporotrichosis. Med. Bull. Veterans Admin., 1934–35, **11**: 295–8.—**Jones, T. C., & Maurer, F. D.** Sporotrichosis in horses; case report. Bull. U. S. Army M. Dep., 1944, No. 74, 63–73.

SPORT.

See also **Athletics; Aviator,** Neuropsychiatry; **Physical training; Pugilism; Runner; Swimming.**

Dabat, V. A. *Les sports du soldat. 70p. 8° Lyon, 1904.

Pearl, N. H., & Brown, H. E. Health by stunts. 216p. 8° N. Y., 1919.

Baader, E. Der Sport. In: Wehrhygiene (Handloser, S.) Berl., 1944, 394–8.—**Carpenter, P. R.** Athletics in the French Armies under the Direction of the Foyers Du Soldat—Y. M. C. A. Union franco-américaine. Phys. Training, 1918–19, **16:** 663–75.—**Cozens, F. W.** The program and sport choices of Navy V-12 trainees. J. Health Phys. Educ., 1944, **15:** 540, &c.—**Domke.** Sportentwicklung. San. Ber. Deut. Marine (1930) 1932, 17–21.—**Fisher, G. J.** Athletics in the A. E. F. in France. Phys. Training, 1918–19, **16:** 861–71.—**Haas, A.** [Sport and the Army] Voj. zdrav. listy, 1935, **11:** 4–21.—**Kleeberger, F. L.** Athletics and the war game. School & Soc., 1918, **7:** 541–5. ——— & **Wight, E. H.** War sports embracing grenade throwing, boxing, and athletic drills, arranged in accord with military procedure. Am. Phys. Educ. Rev., 1918, **23:** 263; 383.—**Krzewinski, L.** [Toxicology in sport] Lek. wojsk., 1937, **29:** 737–9.—**Legrand, A.** L'oeuvre des jeux du soldat. Congr. internat. tuberc. (1905) 1906, **2:** 843.—**Le Noir.** Sur la pratique des sports et la sous-alimentation. Bull. Acad. méd., Par., 1941, **125:** 194.—**Lorenz, G.** Sport und Wehrmacht. Münch. med. Wschr., 1941, **88:** 538 (Abstr.)—**Luby, D. F.** Athletics and their relation to war. U. S. Nav. M. Bull., 1918, **12:** 592–601, 4 pl.—**Megiska, R.** Prevence ve sportovní výchově a brannost. Voj. zdrav. listy, 1935, **11:** 181–4.—**Osmolski, W.** [What proportion of sports should be used in physical education] Lek. wojsk., 1926, **7:** 366–73.—**Parade.** Sports and circulation. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 241.—**Pezzi, G.** Gli esercizi sportivi nautici nella educazione fisica. Ann. med. nav., Roma, 1934, **40:** pt 2, 431–6.—**Phillips, H. D.** The relation of athletics to the college man and the nation. Am. Phys. Educ. Rev., 1920, **25:** 97–100.—**Roberts, M. H.** Training and care of the football squad at the United States Naval Academy during the season of 1920. U. S. Nav. M. Bull., 1921, **15:** 770–5.—**Rübel.** Die Sportvorschrift für das Heer vom 1. Oktober 1938. Mil. Wbl., Berl., 1938–39, **123:** 2630.—**Thooris, A.** Sport et éducation physique. Arch. méd. pharm. mil., 1921, **75:** 1–35.

SPORT injury.

See also **Sport medicine.**

Betkowski, T. [Principles in surgical treatment of accidents caused by sports] Lek. wojsk., 1937, **30:** 1; passim.—**Cebertowicz, K.** [Treatment of periarticular injuries in sportsmen by injections of thiodalgin] Ib.d., 1939, **34:** 67–76.—**Doemens, K.** Ueber Sportverletzungen in der Wehrmacht. Deut. Militärarzt, 1938, **3:** 97–102.—**Dohnányi, L.** [Typical accidents caused by motor sports in the Army] Voj. zdrav. listy, 1938, **14:** 372–9.—**Heiss, F.** [Prevention of injuries in sports from the medical view-point] Lek. wojsk., 1939, **33:** 693–7.—**Hinricsson, H.** [Two cases of fatal injuries in athletics] Tskr. mil. hälsov., 1935, **60:** 295–7. ——— & **Friberg, S.** [Injuries caused by sports in military service] Ibid., 1937, **62:** 77–92.—**Levittoux, H.** [Clinical aspect of overtrained muscles] Lek. wojsk., 1939, **33:** 671–6.—**Siehlow, K.** Sportliche Betreuung Verwundeter als Nachbehandlung in den Lazaretten. Deut. Militärarzt, 1940, **5:** 483–5.

SPORT medicine.

See also **Spirometer.**

Genzel, H. Aerztlicher Ratgeber für den Wehrsport. 82p. 17cm. Lpz., 1939.

Boyer, J. The scientist and the athlete, the physiological laboratory of the French Military School at Joinville. Sc. Am. Suppl., N. Y., 1915, **79:** 292.—**Brustmann, M.** Sportärztliche Beobachtungen über die Entwicklungstendenzen des Kampfsports. Deut. med. Wschr., 1936, **62:** Sonderausg. B, 41–3.—**Bugard, P.** Le sport et son contrôle médical chez la jeunesse suédoise. Rev. méd. nav., Par., 1946, **1:** 371–5.—**Gilewicz, Z.** [Military physicians and physicians for sports] Lek. wojsk. 1936, **27:** 449–61.—**Knoll, W.** Ueber neuere sportärztliche Fragen. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 123 (Abstr.)—**Szulc, G.** [Medical supervision in sports] Lek. wojsk., 1938, **31:** 564–76.

SPOTTED fever.

See **Rickettsiasis.**

SPOTTING.

See also **Aircraft,** Detection; **Air reconnaissance; Radar; Reconnaissance.**

United States. Armored Medical Research Laboratory. Project No. 6: Vision in tanks. Report on Sub-Project No. 6–1: Visual requirements for spotting. v. p. 28cm. Fort Knox, 1943.

——— [The same] ... Report on Sub-Project No. 6–6: Investigation of periscopic binocular spotters; visual requirements for spotting. v. p. 28cm. Fort Knox, 1943.

Carmichael. The problem of spotting in the three services. Gr. Britain Flying Pers. Res. Com., 1942, No. 408, 4. ——— Army spotting problems. Ibid., No. 434, 7.—**Gedanken** zum Flugmeldedienst und Luftschutz-Warndienst auf Grund der Uebungen im Jahre 1936. Gasschutz, 1937, **7:** 125.—**Identification** of aircraft referred to in text [tab.] In: Human Factors in Air Transp. Design (McFarland, R. A.) N. Y., 1946, 646.—**Livingston.** Value and methods of training personnel in spotting targets. Gr. Britain Flying Pers. Res. Com., 1941, No. 368, 1.—**Merton.** Visual problems relating to submarine spotting from the air. Ibid., 3.—**Van de Water, M.** How to spot airplanes. Chem. Leaflet, 1941–42, **15:** No. 6, 62–7.

SPRAIN.

Ball, C. R. Sprained ankles; treatment by novocaine and adrenalin injections. U. S. Nav. M. Bull., 1940, **38:** 499–502.—**Bingham, R.** Treatment of sprains with ethyl chloride spray. Mil. Surgeon, 1945, **96:** 170–4.—**Caldwell, L. A.** Injection treatment of sprains. J. Canad. M. Serv., 1944–45, **2:** 663–6.—**Davison, S.,** & **Petrazio, J. A.** Treatment of acute sprained ankle. Bull. U. S. Army M. Dep., 1944, No. 80, 23.—**McLaughlin, C. W.,** jr. Procaine infiltration in the treatment of acute sprains. Mil. Surgeon, 1945, **97:** 457–60.—**Nagler, J. H.** Injection treatment of sprains. Ibid., **96:** 528.—**Scott, W.** Sprained ankles; a new form of treatment. U. S. Nav. M. Bull., 1945, **45:** 679–84.—**Silver, C. M.,** & **Rusbridge, H. W.** The treatment of sprains of the ankle. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 5, 26–8.—**Wright, J. M., Parker, L. O.,** & **Lehan, T. R.** Sprained ankles. U. S. Nav. M. Bull., 1944, **42:** 1309–13.

SPRAY bath.

See **Bath.**

SPRAY coating.

See under **Paint.**

SPRAYER.

See also under **Mosquito control,** Insecticides and sprayers.

Eisman, L. P. Studies on insect control; study and evaluations of hand-operated, portable larviciding sprayers. 14 l. 27½cm. Camp Lejeune, 1949.

Forms Rep. No. 2, Res. Proj. NM 005 052/2, U. S. Nav. M. Field Res. Laborat.

——— Testing of portable gasoline driven insecticide sprayer. 5 l. 27½cm. Camp Lejeune, 1949.

Forms Sub-Proj. 15–49, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat. Also Armed Serv. Res. Rep. Insect & Rodent, 1949, No. 6, 65.

Saeki, K. Japanese air chemical spray experiments. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 127, 1–5.

SPRING.

See **Well.**

SPRUE.

Ayrey, F. Outbreaks of sprue during the Burma Campaign. Tr. R. Soc. Trop. M. Hyg., Lond., 1947–48, **41:** 377–406.—**Bassett-Smith, P.** Sprue. J. R. Nav. M. Serv., 1923, **9:** 275.—**Blackham, R. J.** Rare diseases of returning service men; sprue. Nurs. Mirror, Lond., 1945–46, **82:** 217.—**Hartsock, F. M.** Radiant energy; sprue and pellagra. Mil. Surgeon, 1930, **66:** 523–6.—**Olson, S. W.,** & **Layne, J. A.** Sprue as a sequel to the war's migration of military personnel. Gastroenterology, 1947, **8:** 221–7.—**Rodriguez, F. E.** The oral lesions in sprue. Army Dent. Bull., 1942, **13:** 187 (Abstr.)—**Stefanini, M.** Su una particolare sindrome parasprueticа tra prigionieri di guerra italiani in un campo dell'India; nota preventiva. Clin. nuova, Roma, 1945, **1:** 321–3. ——— Observations on a series of cases of sprue in a prison camp in India. Gastroenterology, 1947, **8:** 729–34. ——— Clinical features and pathogenesis of tropical sprue; observations on a series of cases among Italian prisoners of war in India. Medicine, Balt., 1948, **27:** 379–427.—**Willoughby, H.** The treatment of sprue. J. R. Nav. M. Serv., 1931, **17:** 272–7.

STAB wound.

See under **Wound.**

STADER splint.

See **Splint**, Types.

STAGING area.

See also **Dermatology**, Organization; also **Amphibious warfare; Division**, airborne.

Goldbloom, A. A., & Schantz, B. A. The management of the emotionally maladjusted soldier at a staging camp. Psychiat. Q., 1946, **20:** 452–69.—**Lipschutz, L. S.** Neuropsychiatry in a staging area. Am. J. Psychiat., 1943–44, **100:** 47–53.—**Schildkrout, H.** Management of the dyspeptic soldier in a staging area. War Med., Chic., 1944, **6:** 151–7.

STAIN [and staining]

See also **Pathology**, Methods; also **Silver stain.**

Gierlach, Z. S., & Krebs, A. T. Vital staining with the fluorochrome acridine orange and its application to radiobiology; alpha ray effects. 7 l. 29cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–06–(14) U. S. Army M. Dep. Field Res. Laborat.

Crigler, C. W. Modification of Papanicolaou staining procedure. Bull. U. S. Army M. Dep., 1949, **9:** 794.—**Fredenburgh, E.** The Kahn shaking-machine as an aid in making Wright's stain. Med. Bull. Veterans Admin., 1944–45, **21:** 77.—**Svarc, P.** Iskustva i pokušaji spravljanja i upotrebe metilnesko modrilo-azur-eozin boje (Romanovski) s posebnim osvrtom na JSB boje. Voj. san. pregl., Beogr., 1949, **6:** 84–8.

STALENESS.

See **Aviator**, Fatigue.

STALINGRAD.

See under **World War II.**

STAMMERING.

See **Speech disorder.**

STANDARD.

See also **Aviator**, Physical standards; **Dental examination**, Standards; **Flight surgeon**, Standards; **Medical examination**, Physical standards; **Nursing**, Standards; **Physical standards; Vision**, Standards.

Bornstein, J. H. Physical standards in the active and reserve components of the military service. Mil. Surgeon, 1948, **102:** 373–7.—**Stone, W. S.** Review of Army research program and of military physical standards. Bull. Neuropsychiat. (NRC) Wash., 1948, 33–7. ——— & **Churchill, E. D.** Consideration of Army job analysis data and Army medical standards. Bull. Surg. (NRC) Wash., 1949, 8. meet., 101–3.

STANDING operating procedure.

See also procedure for psychological processing under **Aviator**, Psychological examination; also **Order.**

Great Britain. War Office. Standing orders for the Royal Army Medical Corps, Royal Army Medical Corps (T. A.) and the Army Dental Corps, 1937. 280p. 18½cm. Lond., 1938.

Standing operating procedure for burial and graves registration. Mil. Rev., Fort Leavenw., 1942–44, **23:** No. 12, 27–9.

STANLEY Camp.

See **Internee.**

STAPHYLINIDAE.

See also **Poison**, animal.

Hitch, F. G. Vesicant beetles of the family Staphylinidae. J. R. Nav. M. Serv., 1936, **22:** 325–33.

STAPHYLOCOCCOSIS.

See also **Food infection; Pork; Sepsis**, Etiology.

Gordon, J. E. Staphylococcus food poisoning. In: Prev. Med. in World War II, Wash., 1948, **1:** pt 3, Sect. 2, No. 2, 3.—**Urbain, A.** Le rôle de la peau dans l'infection et l'immunité; le traitement par les antivirus des affections à staphylocoques et à streptocoques des animaux. Rev. vét. mil., Par., 1929, **13:** 296–314.

S T A R

See under **Training.**

STARTLE.

Thorner, M. W. Autonomic reactions to startle; photoelectric plethysmograph. 11 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 135, U. S. Air Force School Aviat. M.

STARVATION.

See also **Deficiency disease; Famine; Internee; Malnutrition; Vitamin deficiency.**

Da Costa, E. Report of some effects of refeeding male albino rats after caloric restriction. 17 l. 27cm. Chic., 1947.

Forms Rep. No. 28, Med. Nutrit. Laborat. U. S. Army.

——— & Clayton, R. Report of effect of food restriction and dietary rehabilitation on food utilization and water and fat contents of the total carcass of male albino rats. 12 l. 27cm. Chic., 1949.

Forms Rep. No. 52, U. S. Army Med. Nutrit. Laborat.

——— Report of the fat and water content and the specific gravity of the total carcass of the albino rat in relation to dietary restriction and rehabilitation. 15 l. 27cm. Chic., 1949.

Forms Rep. No. 62, U. S. Army Med. Nutrit. Laborat.

Keys. Caloric undernutrition in man. Res. Program U. S. Army M. Res. Bd, 1946, July, 118–21.

——— Concentration camp.

See also **Internee.**

Don Zimmet, P. G. *Les conditions d'existence et l'état sanitaire dans les camps de concentration de femmes déportées en Allemagne [Genève] 101p. 24cm. Ambilly-Annemasse, 1946.

Mollison, P. L. Observations on cases of starvation at Belsen. Brit. M. J., 1946, **1:** 4–8.—**Robinson, P.** The D. P. disease. Acta med. orient., Jerusalem, 1947, **6:** 188–91.—**Starvation** problems (a study of starvation in the camps in France) Am. OSE Rev., 1943, **2:** 16–21.—**Tomaszewski, W.** Następstwa przewlekłego głodzenia. Lek. wojsk., 1945, **36:** 242–51.

——— Treatment.

Coigley, M. H. F., & Stephenson, J. Starvation and its treatment with protein hydrolysate, Belsen, 1945. S. Thomas Hosp. Gaz., Lond., 1946, **44:** 2–9.—**Meiklejohn, A. P.** Feeding Belsen; the nutritional problems of Europe. Nurs. Times, Lond., 1945, **41:** 500.—**Starvation** problems (how starvation was remedied in internment camps) Am. OSE Rev., 1943, **2:** No. 3, 20–4.—**Stuart, H. C.** Nutritional reconditioning of children in occupied countries. Proc. Conf. Children's Fund Michigan, 1944, 133–54.—**Sydenstricker, V. P.** Hydrolysates in the treatment of starvation in Holland. In: Interallied Conf. War Med. (1942–45) 1947, 474.—**Vaughan, J.** The value of hydrolysates in the treatment of severe starvation at Belsen. Ibid., 471–4.

STARVATION amblyopia.

See also **Blind.**

Hazelton, A. R. The nature of starvation amblyopia. J. R. Army M. Corps, 1946, **86:** 171–8.

STATION.

See this word in combination with **Aid s.; Battalion s.; Clearing s.; Collecting s.; Decontamination service, s.; Induction s.;** also **Post.**

STATION hospital.

See under **Hospital; Hospitalization; Hospital report.**

STATION list.

See **Directory.**

STATISTICS.

See also under **Blood transfusion; Burns; Food statistics; Hospitalization; Morbidity; Mortality; Prisoner of war; Recruiting statistics; Rejection; Sampling; Vision.**

Alchian, A. A. Regression statistics. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 18, 480–93.—**Dunbar, A. W.** An international basis for naval statistics. Tr. Internat. Congr. Hyg. (1912) 1913, **5**: pt 2, 875–7.—**Fiske, C. N.** International basis for naval statistics. Ibid., 877–82.—**Hulusi Ozverim.** Statistics of foreign armies. Askerî sihhiye mecmuası, 1938, **67**: 176–80.—**Livi, L.** Un'indagine sulla dinamica dei redditi nella crisi della guerra e del dopo guerra. Metron, Ferrara, 1923–24, **3**: 556–89.—**Wilbur, C. L.** International basis for naval statistics. Tr. Internat. Congr. Hyg. (1912) 1913, **5**: pt 2, 882–7.

—— Correlation coefficient.

DEEMER, W. L., jr. Tables for use in interpretation of the correlation coefficient. 12p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 487, U. S. Air Force School Aviat. M.

Correlation (The) coefficient. Statist. Navy M., 1948, **4**: No. 6, 1.—**Votaw, D. F.,** jr. Estimating correlation in a normal bivariate population when observed values of one variate are obtained only for a selected subset of observed values of the other variate. Q. Res. Rep. U. S. School Aviat. M., 1948, July 13.

—— medical.

See also **Record,** medical.

French, S. W. The value of medical statistics. Mil. Surgeon, 1912, **30**: 578.—**Given, D. H. C.** The use of statistics as a guide to preventive medicine. J. R. Nav. M. Serv., 1921, **7**: 292–300.—**Hulusi Ozverim.** [Statistics] Askerî sihhiye mecmuası, 1940, **69**: 67–75.—**Kaminsky, L.** Statistika voenno-medicinskaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 302–7.—**Luykx, H. M. C.** Biostatistics in medical research; significant differences. U. S. Nav. M. Bull., 1944, **43**: 1208–15.—**Reynolds, C. R.** Statistiques médico-militaires en temps de paix et de guerre. Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 157–77. Also Bull. internat. Serv. santé, Liége, 1939, **12**: 397–414. Also English transl., Army M. Bull., 1939, **49**: 13–20.—**Titmuss, R. M.** Medical statistics in wartime. Brit. M. J., 1941, **2**: 562.

—— Methods.

See also **Record,** medical.

DEEMER, W. L., jr. A simplified method for calculation of the inverse of a matrix. 27p. 27cm. Randolph Field, 1947.

Forms Rep. No. 1, Proj. No. 485, U. S. Air Force School Aviat. M.

Alchian, A. A. Principles of statistical analysis. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 18, 445–52. ——— Univariate analysis. Ibid., 453–68. ——— Bivariate analysis. Ibid., 469–93. ——— Multivariate analysis. Ibid., 495–509.—**Burov, A. D.** Metod podsčeta rezultatov sanitarno-higieničeskikh analizov pri pomošči tablic. Voen. med. J., Moskva, 1946, No. 4, 28–35.—**Gądzikiewicz, W.** [The simplest method of calculation of probability in medical statistics] Lev. wojsk., 1928, **11**: 205–22.—**Methods** of analyzing Navy vital statistics. Annual Rep. Surg. Gen. U. S. Navy, 1945, 7–12.—**Quartiles.** Statist. Navy M., 1947, **3**: No. 5, 1 —**Rafferty, J. A.** Calculation of probability tables for new multivariate tests. Q. Res. Rep. U. S. School Aviat. M., 9.7. Oct., 2.—**Votaw, D. F.,** jr, & **Rafferty, J. A.** Calculations of probability tables for new multivariate tests. Ibid., 1948, July, 14; 1949, Jan., 15.

—— Nomogram.

Cohen, J., & Quinn, B. A nomograph for the Brunswick ratio. Am. J. Psychol., 1946, **59**: 146–9.—**Nomogram** for computing morbidity and mortality rates. Bull. U. S. Army M. Dep., 1944, No. 79, 57–9.—**Salvato, J. A., jr, & Heiman, V.** The nomogram in military vital statistics. Mil. Surgeon, 1944, **94**: 307.

—— Organization.

Macedo, C. A. El Instituto peruano de estadística y la organización y movilización de los recursos nacionales. Rev. mil. Perú, 1943, **40**: pt 2, 113.—**Medical** Statistics Division. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 2, 90–5.—**R. C. A. F.** (The) Medical Statistics Section. J. Canad. M. Serv., 1946–47, **4**: 71–80.

—— Vital statistics.

See also **War,** Demographic aspect.

Birth and death. Army M. Bull., 1937, No. 42, 52–5.—**Gatewood, J. D.** The medical man and vital statistics. U. S. Nav. M. Bull., 1912, **6**: 1–22.—**Hill, F. S.** Public health statistics. J. R. Army M. Corps, 1929, **53**: 273–7.—**Négrié.** La base navale de Patras. Arch. méd. pharm. nav., 1919, **108**: 417–25.—**Watkins, J. H., & Hitchcock, S. V.** Vital statistics. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 117–58.

STATUS thymico-lymphaticus.

See under **Thymus.**

STEADINESS test.

See **Aviator,** Fitness tests; **Motor system.**

STEAMER.

See also **Disinfector; Sterilizer.**

Alderson, A. F. A practical test of the lethal action of steam and formalin vapour on spore-bearing organisms and bugs. J. R. Army M. Corps, 1933, **60**: 374–6.—**Baber, E.** A portable steam disinfector with improved insulation. Ibid., 1937, **69**: 250–4.—**Dobson, O. C., Evans, F., & Elliott, S.** Shortcomings of commercial steam disinfection apparatus. Ibid., 1942, **78**: 290.—**Forrester, A. A.** Adaptation of sterilizer for use with steam geyser. J. R. Nav. M. Serv., 1915, **1**: 204.—**Green, C. M.** Disinfecting steamer Sanator for the U. S. Marine Hospital Service. Nat. Hosp. & San. Rec., 1899–1900, **3**: No. 12, 3–12.—**Hane, R. L.** An improvised steam-pressure sterilizer. Hosp. Corps Q., 1944, **17**: No. 2, 50–4.—**Lowe, D. A., & Sabin, J. B.** A steamer for use with the Soyer stove. J. R. Army M. Corps, 1941, **77**: 275.—**Mikhelson, G. A.** [Steam disinfection with portable vapor-formalin apparatus] Voen. san. delo, 1936, No. 10, 18–25.—**Sovaćev, V. J.** [Steam sterilizer of the 188th Field Reserve Hospital] Voen med. J., Petrogr., 1916, **245**: Med. spec. pt, 106–13.—**Steam** sterilization. Hosp. Corps Q., 1944, **17**: No. 2, 54–61.

STEP-UP test.

See under **Fitness,** Test; **Medical examination,** Cardiovascular system.

STEREO acuity.

See **Depth perception.**

STEREORADIOSCOPY.

See also under **Radiodiagnostics.**

Greenberg, G. A. Improvised stereoscope. Med. Bull. North Afr. Theater U. S., 1944, **2**: 96.—**Gromet, R. Y.** Stereoscopy of photoroentgen films. Bull. U. S. Army M. Dep., 1945, **4**: 470.—**X-ray** stereopanoramograms. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 143.

STEREOTYPES (national)

See under **Militarism.**

STERILITY.

Caviglia, A. Esterilidad. Rev. san. mil., B. Air., 1933, **32**: 241–54.

—— Veterinary aspect.

See also **Horse,** Breeding and care; **Insemination** [artificial]

Edwards, W. P. S. Sterility in the mare; treatment by the Fallopian tube insufflator. J. R. Army Vet. Corps, 1941–42, **13**: 56–8.—**Gotze, R.** Sterility in horsebreeding. Ibid., 1939, **10**: 20–2.—**Richter, L.** Poznatky z způsob tlumení sterility chovných klisen ve vojenském hřebčíně Horné Motešice. Voj. zdrav. listy, 1948, **17**: 276–80.—**Vladescu, D.** [Prolan in combatting sterility in mares] Rev. vet. mil., Bucur. 1937, **8**: 347–53.

STERILIZATION.

See also **Oxygen mask,** Maintenance; **Sterilizer;** also under **Syringe.**

Allen, R. V. Instrument set-up for the dressing room. Hosp. Corps Q., 1943, **16**: No. 3, 127–9.—**Blackmore, H. C. & Briscoe, G.** Note on sterilization by heated oil. J. R. Army M. Corps, 1916, **27**: 522.—**Dawson, C. E.** Instrument sterilization in desert country. U. S. Nav. M. Bull., 1947, **47**: 1019–21.—**Hagen, T. J.** Sterilization of dental handpieces. Bull. U. S. Army M. Dep., 1944, No. 80, 16.—**Hanson, H. E.** Steriliseringstabell för arméns krigssjukvårdsformationer [tab.] In: Fältmed. vademecum, Stockh., 1940, 140–3.—**Howell, S. R.** Studies in maintenance of instrument sterility. U. S. Nav. M. Bull., 1943, **41**: 1370–3.—**Importance** of sterilization. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 24, 6.—**Junackaja, T. K.** [A method of boiling surgical instruments] Voen. san. delo, 1943, 72.—**Phipson, E. S.** Effective tempera-

tures in sterilization and disinfection; a new method of control. J. R. Army M. Corps, 1926, **46**: 359–62.—**Slupsky, N. E.** Improvizirovannye biksy dlja sterilnogo materiala. Voen. med. J., Moskva, 1945, 54.—**Solá, R. J. M., & Piaggi, E. I.** Autoesterilización permanente por los compuestos Gillot. Rev. san. mil., B. Air., 1946, **45**: 249–61.—**Sterilization** chart. Hosp. Corps Q., 1944, **17**: No. 5, 115.—**Sterilization** versus infection. U. S. Nav. M. Bull., 1918, **12**: Suppl., 7–11, pl.—**Stoian, C., & Radulescu, D.** Consideraţiuni generale asupra sterilizării obiectelor de pansament şi a instrumentelor chirurgicale. Rev. san. mil., Bucur., 1937, **36**: 32–9, map.—**Sulc, K.** Desinfekce a sterilisace nástrojů na stomatologických odděleních. Voj. zdrav. listy, 1948, **17**: 319.—**Underwood, W. B.** Surgical sterilization. U. S. Nav. M. Bull., 1940, **38**: 514–28, 4pl.—**Vašíček, F.** K desinfekci a sterilisaci nástrojů v praxi stomatologa. Voj. zdrav. listy, 1948, **17**: 321.

—— Skin.

Boudry, M. O. An inexpensive solution for skin sterilization. U. S. Nav. M. Bull., 1943, **41**: 533.—**Krüger-Martius, H.** Sterilization of the skin in war surgery. Bull. War M., Lond., 1941–42, **2**: 356 (Abstr.)

STERILIZATION [sexual]

See also **Sterility.**

Kleist, K. The enforcement of the sterilization law at the neuropsychiatric clinic of the University hospitals in Frankfurt a. M., Germany [tab.] CIOS Rep., Lond., 1945, Item 24, No. XXVIII–50, 5.—**Wilhelm, J.** [Contribution to the ovariotomy of mares] Voj. zdrav. listy, 1934, **10**: 141–5.

STERILIZER.

See also **Burner; Disinfector; Steamer.**

Bodenlos, L. J. Sterilizer, pressure cooker type, testing of. 7 l. 27½cm. Camp Lejeune, 1949.

Forms Rep. No. 14, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

Gebrauchsanweisung für das Feldsterilisiergerät; zugleich Inhaltsverzeichnis und Packordnung. 8p. illust. 19½cm. Berl. [After 1910]

Anderson, W. M. E. An improvised sterilizer for field medical units. J. R. Army M. Corps, 1941, **77**: 270–2.—**Boak, S. D.** Laboratory tests on the Flaherty molten metal sterilizer. Mil. Dent. J., 1921, **4**: 148–52.—**Braslow, L.** A sterilization apparatus for field use. Air Surgeon Bull., 1944, **1**: 22.—**Burroughs, P. L.** The war and sterilizers. Hospitals, 1941, **15**: No. 4, 118–20.—**Filatov, I. V.** Sterilizator dlja perevjazočnogo materiala dlja vojskovykh častej. Voen. med. J., Moskva, 1945, No. 10, 35.—**Gas** burner for sterilizers. Bull. U. S. Army M. Dep., 1943, No. 70, 86.—**Hasegawa, I.** Butai-yō bannō syōdokuki no kōan [A plan for an all-purpose sterilizer for use in Army corps] Gun i dan zassi, 1936, 340–4, pl.—**Johnson, J. B.,** jr, **& Wilson, G. H.** Industrial development of sterilizer. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 545–50.—**Kennedy, R. S.** A rough and ready field sterilizer. Ind. M. Gaz., 1913, **48**: 148.—**Spooner, E. T. C., & Turnbull, L. H.** Notes on the use of autoclaves; with special reference to the sterilization of blood transfusion apparatus. Bull. War M., Lond., 1941–42, **2**: 345–9.—**Sterilizing** apparatus, Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 563–78.—**Stutz, L.** Ueber das Testmaterial bei der Prüfung von Sterilisierapparaten. Deut. Militärarzt, 1938, **3**: 120–4.—**Watkins, G. L.** A simple type of immersion sterilizer. U. S. Nav. M. Bull., 1946, **46**: 766.—**Werkspoor** Sterilizer of the Netherlands Army. [Photograph] See Collection of photographs in Library.

STERNAL transfusion.

See also **Blood transfusion; Needle holder; Therapeutics,** Injection and infusion.

Turkel, H., & Bethell, F. H. A new and simple instrument for administration of fluids through bone marrow. War Med., Chic., 1944, **5**: 222–5.

STERNUM.

See also **Thoracic injury; Thorax.**

Gussow, L. Congenital anomaly of the sternum, vertical non-fusion; report of two cases. Mil. Surgeon, 1946, **98**: 420–4.—**Manaugh, H. C.** Biopsy of the sternal marrow and its place in clinical hematology. Med. Bull. Veterans Admin., 1940–41, **17**: 111–21.—**Polazzo, M.** Plasmocitoma dello sterno in un indigeno della Cirenaica. Gior. med. mil., 1942, **90**: 485–97.—**Roux, M.** Un procédé simple de ponction sternale pour myélogramme ou médullo-transfusion. Rev. méd. nav., Par., 1947, **2**: 75.

STEROID.

See also **Suprarenal.**

Osgood, L. E., Zimmerman, W. J. [et al.] The urinary excretion of 17-ketosteroids by men under field conditions in extreme cold. 5 l. 28½cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–02–(11) U. S. Army Med. Dep. Field Res. Laborat.

Stern, M. I. The determination of urinary total neutral 17 and 20 ketosteroids in stress. 11p. 33cm. Lond., 1949.

Forms F. P. R. C. 719, Fly. Pers. Res. Com. Gr. Britain.

Gallagher, T. F. The synthesis of adrenocortical steroids. In: Advance. Mil. Med., Bost., 1948, **2**: 659–63.—**Salter, W. T.** Metabolism of steroids. Q. Project Summary Off. Nav. Res. 1948, July, 287.

STETHOSCOPE.

DeCosta, E. J. A modification of the diaphragm stethoscope. U. S. Nav. M. Bull., 1941, **39**: 413.—**Itō, K., Yasutake, M., & Yosimura, H.** Onsa-tyōsinki sindan-hō [Die Stimmgabel-stetoskopmethode] Gun idan zassi, 1918, 569–79, 4 pl.

STEVENS-JOHNSON disease.

See **Erythema multiforme;** also **Mucosal syndrome.**

STIBINE.

Smith, R. E., & Cowie, D. B. Biological studies of antimony compounds containing radioactive isotopes; the decomposition of stibine in vitro. 8p. 27cm. Wash., 1948.

Forms Rep. No. 3, Proj. NM 013 002 (or, X–420) U. S. Naval M. Res. Inst.

STOKES stretcher float.

See under **Litter;** also **Respiration,** artificial.

STOMACH.

See also **Digestive system; Gastrointestinal tract,** Injury; **Nutrition,** Physiology.

Wallis, H. B. Effect of drug X on gastric acid secretion. 2p. 28cm. Ottawa, 1944.

Forms No. C–6056, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Egorov, P., & Shlapobersky, V. Zheludok (gaster, ventriculus, stomachus) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 642–57, 2 pl.—**Harris, F. C., & Byrne, E. T.** Extrusion of redundant gastric mucosa into the duodenum. U. S. Armed Forces M. J., 1950, **1**: 12–21, illust.—**Innervation** of the stomach. Res. Serv. M., 1946, No. 14, 5, 2 pl.—**Papo, I.** Gastrična sukcija. Voj. san. pregl., Beogr., 1948, **5**: 370–3.—**Püschel, E.** On gastric acidity in soldiers. Bull. War M., Lond., 1941–42, **2**: 310 (Abstr.)

—— Cancer.

See also **Peptic ulcer; Tumor.**

Boćkovsky, P. I. Slučaj skoropostižnoj smerti niźnjago ćina ot železistago raka želudka. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 46–9.—**Cappelli, G.** L'identificazione dell'acido lattico quale risorsa de la diagnosi precoce di tumore maligno dello stomaco. Gior. med. mil., 1926, **74**: 413–9.—**Carrera, B.** La cirugía paliativa en las neoplasías gástricas inoperables. Med. & cir. guerra, 1950, **12**: 29–31.—**Chifflet, A.** El cancer del estomago. Rev. san. mil. (Chile) 1936, **4**: 45–56.—**Fanardzhian, V. A.** Izmenenie reljefa slizistoj želudka pri karcinome. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 193–200.—**Girault, A.** Syphilis et cancer de l'estomac. J. méd. Paris, 1922, **41**: 862.—**Holdin, S. A.** Rezultaty elektrokhirurgićeskikh rezekcij pri rake želudka, 1935–44 gg. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 179–84.—**Howze, H. H.** The differential diagnosis of gastric and duodenal ulcer and carcinoma of the stomach. Med. Bull. Veterans Admin., 1935, **2**: 62–6.—**Iwasita, S.** Kōdo no isyuku hikō wo kita-seru igan ni tuite [Ueber einen Sektionsfall des Magenkrebses mit hochgradiger Atrophie und Wandverdickung] Gun idan zassi, 1932, 1462–74, incl. pl.—**Kaliciński, W.** [Case of primary polymorphocellular sarcoma of the stomach] Lek. wojsk., 1927, **10**: 494–500.—**Manabe, K., & Kondō, Y.** Zen-hukuheki ni sentū-seru igan no iti rei [A case of stomach cancer perforating to the abdominal wall] Kaigun gun-ikai zassi, 1940, **29**: 413–5, 2 pl.—**Molinier & Tabusse.** A propos d'un cas d'ulcéro-cancer antro-pylorique. Bull. Soc. méd. mil. fr., 1947, **41**: 89.—**Murakami, S.** Igan setuzyogo tui-kottai ni ten-i-seru iti rei oyobi gan no kotu-ten-i ni

kan-suru tokōi-teki kansatu [A case of metastasis in vertebral bodies after resection of stomach cancer, and statistical observations on the metastasis of cancer to the bones] Kaigun gun-ikai zassi, 1939, **28**: 846–64, 2 pl.—**Palmer, E. D.** Malignant transformation in the benign gastric ulcer. Med. Bull. Europ. Command, 1949, **6**: No. 12, 4–8, illust.—**Pers, A.** [Results of excisions in gastric cancer] Ugeskr. laeger, 1927, **89**: 975–81.—**Sapozhkov, K. P.** Perspektivy khirurgićeskogo lećenija rakov żeludka. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 185–92.—**Silliphant, W. M.** [Carcinoma of stomach with myelophthisic anemia and thrombocytopenia] U. S. Nav. M. Bull., 1948, **48**: 569–76.—**Stein, J. J.** Primary carcinoma of the stomach with metastases to skin and subcutaneous tissue; a case report. Ibid., 1942, **40**: 708–10, pl.—**Stoian, P. I.** [Modifications of gastric chemistry in the scope of diagnosis of gastric cancer] Rev. san. mil., Bucur., 1939, **38**: 28–30.—**Tokuyama, Y.** Sinzō oyobi hihu ni ten-i wo kita-seru igan no iti rei [Magenkrebs mit Herz- und Hautmetastasen] Kaigun gun-ikai zassi, 1938, **27**: 345–9, pl.—**Whitmore, W. H.** Carcinoma of the stomach with large retroperitoneal tumor; report of a case. U. S. Nav. M. Bull., 1927, **25**: 365–9.

—— Disease [incl. tumor]

See also **Gastroenteritis; Peptic ulcer; Pylorus.**

Berezov, J. E., & Simonovich, A. N. K voprosu ob operativnom lećenii polipov żeludka. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 547–51.—**Berg, G.** Characteristische Wesenszüge magenkranker Soldaten. Schweiz. med. Wschr., 1942, **72**: 832 (Abstr.)—**Berk, J. E.** The case for gastric analysis in military hospitals. Gastroenterology, 1943, **1**: 1064.—**Canard.** Contribution à l'étude de l'habronémose gastrique et de ses complications. Rev. vét. mil., Par., 1937, **21**: 251–9.—**Carroll, H. H.** Lesions of the cardiac portion of the stomach; two case reports. U. S. Nav. M. Bull., 1938, **36**: 576–80.—**Del Rio, A.** Algunas ideas sobre diversos problemas de la gastropatologia. Rev. san. mil., Madr., 1935, **25**: 107–18.—**Drane, R.** Massive gastric hemorrhage with normal Roentgen Ray findings. Mil. Surgeon, 1930, **67**: 932–5.—**Dumitrescu-Popovici, I.** [Hypertrophy and hyperplasia of the gastric muscles in the course of affections of these muscles] Rev. san. mil., Bucur., 1932, **31**: 326–35.—**Fletcher, E. T. D.** Gastric disorders in the Army. J. R. Army M. Corps, 1942, **78**: 274–80.—**Gorcharenko, D. M.** [Differential diagnosis of neuroses of the stomach; apropos of a case of persistent vomiting, in a patient under investigation in the Moscow military hospital] Voen. med. J., Petrogr., 1914, **241**: Med. spec. pt, 653–75.—**Haemmerli, A.** Die Diagnose und Therapie der Magen-Krankheiten im Militärdienst. Helvet. med. acta, 1941, **8**: 691–708. Also Schweiz. med. Wschr., 1942, **72**: 346.—**Halsted, J. A.** The management of patients with gastric complaints in the Army area. Med. Bull. Medit. Theater U. S., 1945, **3**: 178–85.—**Hoffman, R. R.** Achalasia in military service; treatment and disposition. U. S. Nav. M. Bull., 1944, **43**: 1111–3.—**Kapp, H.** Erfahrungen über Magenkranke im Militärdienst. Helvet. med. acta, 1941, **8**: 727–9. Also Schweiz. med. Wschr., 1942, **72**: 347 (Abstr.)—**King, A. C., & Benson, M.** Gastric diverticula accompanied by a diverticulum of the oesophagus. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 101.—**Korolev, B. A.** K rezultatam khirurgićeskogo lećenija kardiospazma. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 620–9.—**Lesnik, N. M.** [Significance of chloride equilibrium in treatment of diseases of the stomach] Tr. Acad. mil. méd. Kiroff, 1935, **4**: 339–46.—**Loe, R. H., & Berger, E. H.** Gastric diseases in Navy personnel; a study of 191 gastroscopic examinations. U. S. Nav. M. Bull., 1944, **43**: 450–8.—**Menéndez Ferros, J.** Consideraciones sobre los trastornos gástricos en los reclutas. Rev. méd. cubana, 1943, **54**: 241–55.—**Metz, E.** Observations on 250 gastric patients. Bull. War M., Lond., 1941–42, **2**: 496 (Abstr.)—**Molchanov, N. S.** [Importance of diathermy in affections of the stomach (ulcer, pyloric spasm)] Tr. Acad. mil. méd. Kiroff, 1935, **4**: 351–8.—**Montalto, F. A.** Criterio para el tratamiento médico de los enfermos gástricos. Rev. san. mil., Asunción, 1944, No. 141, 103–17.—**Mougenot & Gauthier-Lafaye.** Une observation d'un volumineux schwannome exogastrique. Bull. Soc. méd. mil. fr., 1949, **43**: 106.—**Pérez, B., & Ymaz, J. I.** Tumor benigno del estómago; páncreas aberrante. Rev. san. mil., B. Air., 1940, **39**: 820–7.—**Reynolds, D.** A case of hypertrophic stenosis of the pylorus in an adult. J. R. Army M. Corps, 1913, **20**: 201.—**Richmond, P.,** jr. Diverticulum of the stomach. U. S. Nav. M. Bull., 1937, **35**: 480–2.—**Smellie, J. M.** Gastric disorders in the Army. Lancet, Lond., 1942, **1**: 322.—**Spira, J. J.** Gastric disorders in the Army. Ibid., 631.—**Tanz, S. S.** A study of autopsy protocols in 86 deaths from gastric lesions. Med. Bull. Veterans Admin., 1939–40, **16**: 334–6.—**Wayland, T. A., & Alexander, G. H.** Gastro-jejunal-colic fistulae; 3 cases. Ibid., 1941–42, **18**: 1–3.

—— Disease: Disability.

Demole, M. Directives pour l'appréciation de l'aptitude militaire des malades de l'estomac. Helvet. med. acta, 1941, **8**: 722–6. Also Praxis, Bern, 1941, **30**: 843.—**Haemmerli, A.** Grundsätzliches zur Frage der Beurteilung der Dienst-Tauglichkeit der Magen-Kranken im Aktivdienst. Ibid., 165–8. Also Gastroenterologia, Basel, 1941–42, **66**: 38 (Abstr.)—**Stehr, L.** Die Beurteilung der Wehrdienst- und Arbeitsfähigkeit bei chronisch Magenkranken. Münch. med. Wschr., 1940, **87**: 1317–22.

—— Disease: Etiology.

Strauss, H. Magenkrankheiten durch Kriegseinwirkungen. Lazaretterfahrungen auf dem Gebiete der allgemeinen Pathologie, Klinik und Begutachtung der Magenkrankheiten. 128p. 8°. Berl., 1919.

Volynsky, Z. M. Функциональное состояние желудка при острых инфекционных заболеваниях протекающих с поражением кишечника. 95p. 21cm. Leningr., 1941.

Beech, R. D., & Wolff, L. H. Gastric dilatation in war injuries. Med. Bull. Medit. Theater U. S., 1945, **3**: 186–9.—**Bellomo, A.** Le gastropatie nei militari. Gior. med. mil., 1948, **95**: 336–9.—**Gmeiner, G.** Beurteilung und Behandlung des Magenkranken im Truppendienst. Deut. Militärarzt, 1941, **6**: 65–72. Also Bull. War M., Lond., 1941–42, **2**: 125 (Abstr.)—**Goldstein, H. I.** Notes on some military surgeons through the centuries; gastric disturbances aggravated by wars. J. M. Soc. Cape May Co. N. Jersey, 1942, **4**: No. 10, 3.—**Granet, E.** Espasmo gástrico total; factores psicológicos incluidos en la etiología; reporte del caso. Rev. san. mil., Habana, 1941, **5**: 95–100.—**Kalk, H.** Einige Beobachtungen über kriegsbedingte Aenderungen am Verdauungskanal und Kreislauf. Deut. med. Wschr., 1943, **69**: 559–62.—**Link, K. H.** Ueber die Beziehungen von Gebißschäden zu Magenveränderungen in ihrer Bedeutung für den Truppenarzt. Deut Militärarzt, 1943, **8**: 273.—**Mahlo, A.** Kriegsbeobachtungen über Ablauf von Magenerkrankungen. Med. Klin., Berl., 1940, **36**: 587. ——— Die Frage der Wehrdienstbeschädigung bei Magenerkrankungen. Ibid., 1944, **40**: 183–7.—**Mallison.** Magenbeschwerden bei Flugzeugführern. Ibid., 1940, **36**: 1400 (Abstr.)—**Mancke, R.** Das Problem des magenkranken Soldaten. Münch. med. Wschr., 1944, **91**: 168–71.—**Marulli, A.** Contributo allo studio delle gastropatie professionali da stimolazioni meccaniche. Gior. med. mil., 1937, **85**: 127–45.—**Michaud, L.** Les maladies de l'estomac considérées du point de vue militaire. Helvet. med. acta, 1941, **8**: 666–90. Also Schweiz. med. Wschr., 1942, **72**: 321.—**Military** stomach trouble. Lancet, Lond., 1941, **1**: 453.—**Palmer, W. L.** The stomach and military service. J. Am. M. Ass., 1942, **119**: 1155–9.—**Schöndube, W.** Ueber die Ursachen von Magenerkrankungen im Kriege. Veröff. Marine San., 1942, H. 34, 190–203. Also Vjschr. schweiz. Sanitätsoff., 1943, **20**: 84 (Abstr.)—**Starck, H.** Der sogenannte Kardiospasmus bei Kriegsteilnehmern. Deut. Militärarzt, 1943, **8**: 315–8.—**Stein.** Magenkranken im Kriege. Med. Klin., Berl., 1940, **36**: 1058 (Abstr.)—**T., E.** [War and stomach disease] Sovet. med., 1943, **7**: 30.—**Tidow, R., & Nekarda, O.** Beobachtungen bei Magenkranken im Kriege. Deut. med. Wschr., 1943, **69**: 171–6. Also Vjschr. schweiz. Sanitätsoff., 1943, **20**: 86 (Abstr.)—**Willcox, P. H.** Gastric disorders in the services. Brit. M. J., 1940, **1**: 1008–12.

—— Examination.

Agar, E. [Roentgen examination of the mucosa and relief images in affections of the stomach] Askeri sihhiye mecmuasi, 1937, **66**: No. 18, 1–14.—**Benjamin, H. B.** Double balloon double contrast studies of the stomach. Mil. Surgeon, 1950, **106**: 134–8, illust.—**Blanchard, C. P. A.** La gastroscopie. Rev. Corps san. mil., Par., 1947, **3**: xxi–xxx.—**Chamberlin, D. T.** Gastric analysis in an Army hospital. Gastroenterology, 1943, **1**: 533.—**Edwards, H. C.** Gastroscopy. J. R. Nav. M. Serv., 1941, **27**: 44–52.—**Frattini, J. F.** Examen bioquímico del contenido gástrico; procedimientos modernos aplicados al diagnóstico clínico. Rev. san. mil., B. Air., 1946, **45**: 1077–106.—**Henkel, K.** Die Gastroskopie zur Erweiterung der Magendiagnostik in der Wehrmedizin. Münch. med. Wschr., 1942, **89**: 599–602. Also Bull. War M., Lond., 1942–43, **3**: 219 (Abstr.)—**Howard, J. T.** Gastroscopy and the use of the gastroscope in the military services. War Med., Chic., 1943, **3**: 274–81. ——— Experiences with the gastroscope. Bull. U. S. Army M. Dep., 1945, No. 85, 84–7.—**Poppel, M. H., & Roach, J. F.** Roentgen diagnosis of deformities of the cardiac end of the stomach. U. S. Nav. M. Bull., 1945, **45**: 1111–8.—**Schindler, R.** Gastric analysis as routine military procedure. Gastroenterology, 1943, **1**: 532.—**Tanabe, Y.** Re-sen i-nenmaku zō ni tuite [On the roentgenographic picture of the gastric mucosa] Kaigun gun-ikai zassi, 1930, **19**: 33–43, 2pl.—**Tidow, R.** Die Bedeutung der Gastroskopie für die Beurteilung der Wehrdienstfähigkeit von Magenkranken. Deut. Militärarzt, 1943, **8**: 82–6.—**Vasjutoćkin, V. M., & Drobinceva, A. V.** Novye dannye po khimii slizistoj oboloćki żeludka. Tr. Voen. morsk. med. akad., 1949, **17**: 85–94.—**Vaz, O.** Alguns aspectos da gastroscopia. Arq. brasil. med. nav., 1942, **3**: 965 (Abstr.)—**Zaremba, W.** [Results from periodical examinations of the secretory functions of the stomach in conscripts] Lek. wojsk., 1934, **23**: 675–81.

—— Foreign body.

Bessim. [Corps étrangers de l'estomac chez un chien et ses symptomes] Turkish text. Rev. méd. vét. mil., Istambul, 1926, **4**: 257–60.—**Caulfield, P. A.** Removal of foreign bodies from the stomach and upper intestinal tract. Bull. U. S. Army M. Dep., 1949, **9**: 263.—**Felice, P. de, & Gagliardone, C.** Gastrostomia por cuerpo extraño. Rev. san. mil., Asunción,

1940–42, **14:** 417–20, 2 pl.—**Gagliardone, C. R.** Consideraciones sobre un cuerpo extraño en el estomago de una niña de once meses. Ibid., 1938–39, **12:** 845, 2 pl.—**Hackel & Djevad** [Corps étrangers de l'estomac chez un chien et gastrotomie] Turkish text. Rev. méd. vét. mil., Istambul, 1926, **4:** 260–2.—**Zoltán, J.** Gyomorperforatió esete Kerr-tü nyelése következtében. Honvédorvos, 1950, **2:** 169, illust.

—— Gastritis.

See also **Gastroenteritis.**

Anikiev, A. P. Slućaj flegmonoznago gastrita. Voen. med. J., S. Peterb., 1912, **234:** med. spec. pt, 241–7.—**Annis, J. W.** Gastritis in the military service. Gastroenterology, 1944, **2:** 85–92.—**Cahović, X., & Vićnjić, M.** [Contribution to the pathological anatomy of the cellulitis of the stomach] Voj. san. glasnik, 1934, **5:** 218–27, 9 pl.—**Chipman, I. L.,** jr. Hemorrhage associated with gastritis; review of the literature and report of two cases. U. S. Nav. M. Bull., 1948, **48:** 253–7.—**Heffner, R. R.** Gastroscopic observations in the Army with special reference to gastritis. Gastroenterology, 1949, **12:** 199–203.—**Hirschberg, L., & Schneiderman, I.** [Treatment of chronic gastritis without interruption of military duties] Voen. san. delo, 1935, No. 4, 39–46.—**Hurst, A. F.** Chronic gastritis. In his Med. Dis. War, 3. ed., Lond., 1943, 174–7.—**Koelsch, K. A.** Erkennung und Behandlung der Gastritis im Lazarett und beim Truppenarzt. Deut. Militärarzt, 1944, **9:** 1–4.—**McGill, H. S.** Note on saburral fever. J. R. Army M. Corps, 1905, **5:** 720.—**McGlone, F. B.** Incidence of gastritis in soldiers and war veterans. Gastroenterology, 1943, **1:** 258–63.—**Molchanov, N.** Gastrity. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 1140–5.—**Nikolajević, S., & Davidović, S.** [Cellulitis of the stomach] Voj. san. glasnik, 1934, **5:** 207–17.—**Rothman, J.** Massive hemorrhage from apparent syphilitic gastritis. Med. Bull. Veterans Admin., 1941–42, **18:** 92–4.

—— Hernia.

See also **Hernia;** also **Injury**—by organs and regions: Abdomen.

Autric. Hernie transdiaphragmatice de l'estomac. Arch. méd. nav., Par., 1909, **111:** 161–77.—**Cashion, W. A.** Supernumerary stomach with duodenal bulb associated with diaphragmatic hernia. Med. Bull. Veterans Admin., 1934–35, **11:** 61.—**Skorko, J.** [Displacement of the stomach into the pleural cavity] Lek. wojsk., 1930, **16:** 61–4.

—— Injury.

See also **Injury**—by organs and regions: Abdomen.

Bakharevich, G. V. [Progress in military service and injuries of the stomach] Sovet. med., 1939, No. 2, 40–6.—**Boit, H.** Ueber Verletzungen von Magen und Darm durch das Infanteriegeschoss. Deut. med. Wschr., 1915, **41:** 707–9.—**García Barón, A.** Heridas del estómago por armas de fuego. Rev. españ. med. cir. guerra, 1941, **6:** 65–84.—**Grifi, F.** Ematoma retrogastrico da contusione addominale. Gior. med. mil., 1933, **81:** 190–5.—**Judin, S. S.** Kak snizit posleoperacionnuju smertnost u ranennykh v život na vojne. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 626.—**Kanauka, V.** [Treatment of stomach wounds during campaign] Medicina, Kaunas, 1935, **16:** 554–61.—**Meier.** Wound of stomach caused by a bullet from a machine gun. Brit. J. Surg., 1916, **4:** 56.—**Migaj, F. I.** Sluchaj ranenija želudka. Voen. med. J., S. Peterb., 1912, **233:** Med. spec. pt, 20–5.—**Pšenićnikov, V. I.** [Local anesthesia in gun-shot wounds of the stomach during military operations] Sovet med., 1941, **5:** No. 6, 16–9.—**Stevenson, W. F.** Gunshot wounds of stomach. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 78–80.—**Troell, A.** [Gunshot injuries of the stomach in war and their treatment] Nord. med., 1939, **3:** 2724–8.

—— Perforation and rupture.

See also other subheadings (Foreign body; Injury)

Chappoux. Perforation iléale en péritoine libre chez un homme porteur d'une perforation couverte de l'estomac. Bull. Soc. méd. mil. fr., 1939, **33:** 241–8.—**Favre & Kantor.** Un cas d'éclatement de l'estomac au cours d'une contusion de l'abdomen. Ibid., 1948, **42:** 52.—**Lange, K.** Stumpfes Bauchtrauma und Magenruptur. Bull. War M., Lond., 1942–43, **3:** 381 (Abstr.)—**Nikolaev, G. F.** [The treatment of penetrating wounds of the stomach in the regimental zone] Khirurgia, Moskva, 1944, No. 7, 58–65.—**Yourdi, J. R., & Bentlif, P. B.** Case of perforation of the stomach at the military hospital (operation) J. R. Army M. Corps, 1917, **28:** 593.

—— Surgery.

See under **Surgical technic.**

—— Ulcer.

See also **Gastroenteritis; Gastrointestinal tract; Peptic ulcer.**

Babin, R. Au sujet de la réaction au pyramidon. Rev. méd. nav., Par., 1946, **1:** 303.—**Davidović, S.** [Numerous cases of gastrorrhagia with gastric ulcers] Voj. san. glasnik, 1933, **4:** 319–30.—**Hirschfeld, H.** Küttner, L.: Die Erkrankungen des Magens, inbesondere das Magengeschwür, während des Krieges [Bk Rev.] Berl. klin. Wschr., 1918, **55:** 196.—**Irfan Titiz** [On gastric ulcers and hemorrhages] Askerî sıhhiye mecmuası, 1939, **68:** No. 27, 43–52.—**Küttner, L.** Die Erkrankungen des Magens, insbesondere das Magengeschwür des Krieges. Münch. med. Wschr., 1918, **65:** 251.—**Stepanov, I. S.** Slućaj krugloj jazvy želudka, ne davavšij simptomov pri žizni. Voen. med. J., S. Peterb., 1913, **236:** Med. spec. pt, 599.

—— Ulcer: Pathogenesis.

Bichman, B. M. Slućaj obrazovanija jazvy želudka na počve slepogo oskoločnogo ranenija privratnika. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 544–6.—**Henning, N., & Stadler, H.** Weitere Untersuchungen über das Kriegsulkus. Deut. med. Wschr., 1949, **74:** 136–8.—**Nedim, M.** [Experimental, gastric ulcers] Askerî sıhhiye mecmuası, 1934, **63:** 137–40.—**Saitta, S.** La costituzione somatica negli individui affetti da ulcera gastrica e duodenale. Ann. med. nav., Roma, 1936, **42:** pt 1, 3–9.—**Schalij, F. A.** Eenige beschouwingen over het ulcus ventriculi in oorlogstijd. Ned. tschr. geneesk., 1946, **90:** 1500–2.

—— Ulcer, perforated.

See also **Peritonitis.**

Germain & du Bourguet. A propos d'un cas de perforation d'ulcère de l'estomac à symptomatologie appendiculaire; intervention; guerison. Bull. Soc. méd. mil. fr., 1932, **26:** 153–6.—**Rodríguez Díaz, A. M.** Historia clínica de una gastroectomía por ulcera perforada del estómago. Rev. san. mil., Habana, 1937, **1:** 95–9.—**Thomas, A. R.** A case of perforated gastric ulcer. J. R. Nav. M. Serv., 1924, **10:** 136.—**Vanlande.** Ulcère gastrique perforé traité par suture et gastroentérostomie; guérison. Bull. Soc. méd. mil. fr., 1924, **18:** 69–71.—**Vinogradov, N. K.** [Clinical symptoms of perforation (from the stomach) peritonitis] Voen. med. J., Petrogr., 1915, **242:** Med. spec. pt, 198–202.

—— Ulcer: Treatment.

Brams, W. A. The treatment of gastric ulcer. U. S. Nav. M. Bull., 1917, **11:** 58–63.—**Brühl, W.** Die Behandlung des Ulcus und der Gastritis im Kriege. Bull. War M., Lond., 1942–43, **3:** 338 (Abstr.)—**Johnson, L. W., & Finnegan, J. F.** Combined medical and surgical treatment of gastric disorders. Bull. U. S. Nav. M., 1934, **32:** 14–9.—**Molinier & Tabusse.** Résultats immédiats de la gastrectomie pour ulcus, vus par les médecins. Bull. Soc. méd. mil. fr., 1947, **41:** 113–7.—**Tejeda, L., A., & Villagrán, G.** Gastrectomía larga por úlcera degenerada del estómago en linitis plástica; curación. Rev. san. nav., Valparaiso, 1937, **7:** 206–8.—**Warmington, H. S.** Diet in gastric ulcer. U. S. Veterans Bur. M. Bull., 1930, **6:** 512–4.

STOMACH tube.

Dixon, T. A new retaining device for nasal stomach tubes. U. S. Nav. M. Bull., 1944, **42:** 860.—**Verdugo Binimelis, D.** Sondaje gástrico fraccionado. Rev. san. nav., Valparaiso, 1940, **10:** 24–32, 6 ch.

STOMATITIS.

See **Mouth,** Disease; also **Dental surgery; Dentistry; Research,** dental.

STOMATOLOGY.

See also **Dentistry; Mouth;** also **Amphibious warfare; Hospital service,** dental and oral; **Research,** dental.

Brun, B. L. The development of an efficient and intelligent system of oral diagnosis. Mil. Surgeon, 1939, **84:** 556–68.—**Cobos Muños, M.** Servicio semi-fijo odontológico militar. Mem. Convenc. méd. mil. mex., 1936, 183–8.—**Ericsson, J. O.** Diagnosis in oral disease. Mil. Surgeon, 1948, **103:** 47–51.—**Rae, R. G.** The 6th General Hospital (Massachusetts General Hospital Unit) Am. J. Orthodont., 1946, **32:** 600–4.—**Schantz, C. W.** Oral diagnosis as a procedure in indexing general diseases manifested in the mouth. U. S. Nav. M. Bull., 1937, **35:** 441–6.—[**Scientific** work of Soviet stomatologists during two years of the present war] Stomatologia, Moskva, 1943, No. 3, 3.—**Sjezd** vojenských stomatologů ve dnech 4. a 5. června 1948. Voj. zdrav. listy, 1948, **17:** 321–5.—**Skvařil, J.** Uvodem ke sjezdu vojenských stomatologů. Ibid., 295.

STOMOXYS.

See also **Fly control.**

Dog-fly control program. Mil. Surgeon, 1942, **91:** 484.

STOOL culture.

See **Fecal matter,** Examination.

STORAGE.

See **Ration,** Storage.

STORE.

See also **Commissary; Dental supply.**

LEDINGHAM, G. A. Tropicalization of army medical stores. 1 l. 28cm. Ottawa, 1944.

Forms No. C-6085, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Illman, W. I., & Ledingham, G. A. Tropicalization of medical stores. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 5, C.6138, 1–10, 4 fig. ——— & **Walker, A. R.** Mould growth on medical stores packed in pannier field medical, No. 2, 1943, Canada. Ibid., C.6153, 1–3.—**McLemore, F. L.** Medical supplies storehouse. Hosp. Corps Q., 1947, **20:** No. 2, 17–21.—**Miller, J. D.** The supply of medical stores by air. J. Ind. Army M. Corps, 1947, **3:** 21–3.—**Taricyn, V. P.** Obrazcovyj sanitarnyj sklad. Voen. med. J., Moskva, 1945, April, 29–32.

STOVE.

See **Arctic service,** Hygiene; **Heater.**

STOWAGE.

See **Ration,** Storage.

STRABISMUS.

See also **Aviator,** Eye.

COOK, E. B. A factor analysis of acuity and phoria measurements obtained with commercial screening devices and by standard clinical methods. 26 l. 28cm. N. Lond., 1948.

Forms Rep. No. 4, Proj. NM-003-011 (or, X-493) U. S. Nav. M. Res. Laborat.

SULZMAN, J. H., COOK, E. B., & BARTLETT. N. R. Comparative study of measures of heterophoria. 39 l. 27cm. N. Lond., 1946.

Forms Rep. No. 3, Proj. No. X-493, U. S. Nav. M. Res. Laborat.

UNITED STATES. AIR FORCE SCHOOL OF AVIATION MEDICINE. Project No. 375: A comparison of tests for heterophoria. 4 nos. 27cm. Randolph Field, 1945.

CONTENTS

1. [The Screen-Maddox Rod Test compared with other methods] Scobee, R. G. 4p.
2. Reliability of the Screen-Maddox Rod Test. Scobee, R. G., & Green, E. L. 5p.
3. Effect of light and dark on the Screen-Maddox Rod Test. Scobee, R. G., & Moss, H. L. 3p.
4. Variations in the Screen-Maddox Rod Test due to ocular dominance, red color, and screening. Scobee, R. G., Green, E. L., & Moss, H. L. 17p.

Aracri, A. Sull'etiologia e l'ambliopia dello strabismo concomitante (considerazioni tratte dall'esame di mille strabici) Gior. med. mil., 1928, **76:** 638–57.—**Beccle, H. C., & Kitching, E. H.** Heterophoria and neurosis in flying personnel. Brit. J. Ophth., 1945, **29:** 125–32.—**Benjamin, J. D.** Hyperphoria. U. S. Nav. M. Bull., 1928, **26:** 578–86.—**Colomba, N.** Lo strabismo concomitante dal punto di vista medico-legale. Gior. med. mil., 1935, **73:** 245–53.—**Loy, A. W.** A study of depth perception and fusion in relation to the treatment of strabismus. U. S. Nav. M. Bull., 1942, **40:** 694–9.—**Rosenbaum, H. D.** Strabismus in the Army. Mil. Surgeon, 1944, **95:** 48–52.—**Scobee, R. G.** Heterophoria. Air Surgeon Bull., 1945, **2:** 38.

—— Treatment.

See also **Orthoptics.**

Cole, O. W. Treatment of concomitant strabismus. U. S. Nav. M. Bull., 1940, **38:** 375–8, pl.

STRAIN.

See **Eyestrain.**

STRANGLES.

See also **Horse,** Disease; **Streptococcus.**

Arnold, T. F. Strangles; principles of causation and control. J. R. Army Vet. Corps, 1933, **5:** 6–15.—**Bazeley, P. L.** Sulphanilamide treatment of streptococcal infections in horses. Army Vet. Bull., 1942, **36:** 123–32.—**Brocq-Rousseu, Forgeot & Urbain, A.** Etudes sur le Streptocoque gourmeux. Rev. vét. mil., Par., 1923, **7:** 51; passim; 1924, **8:** 51; passim.—**Francis, J.** Haemolytic streptococcal infections of the horse. J. R. Army Vet. Corps, 1942–43, **14:** 73–5.—**Method** of preparing anti-strangles serum. Annual Rep. Vet. Serv. Egypt (1931–32) 1934, 31–3.—**Monpert.** Le gourme purulente. Rev. vét. mil., Par., 1933, **16:** 420–43.—**Refik Yetkin** [Methods in culture of the strangles streptococcus and experimental inoculation of white mice with the filtrable virus] Askerî vet. mecmuası, 1938, **15:** 318–32. ——— [935 cases of strangles (epizootic in 1935)] Askerî tibbi baytarî mecmuası, 1936, **13:** 365–8.—**Roger.** Deux procédés à utiliser contre la gourme. Rev. vét. mil., Par., 1931, **15:** 497–9.—**Tacu, D.** [Rare complication of strangles] Rev. vet. mil., Bucur., 1939, **10:** 74.—**Velu, H., Weyland, H., & Sarthou, C.** La gourme et les transports à longue distance de jeunes chevaux. Rev. vét. mil., Par., 1937, **21:** 171–82.

STRANGULATION.

Lee, R. V., & Jamison, H. W. Radiographic changes in the lungs after strangulation. Air Surgeon Bull., 1944, **1:** No. 7, 14.

STRATEGY.

See also **Science [military]**

—— medical.

NICHOLLS, T. B. Organization, strategy and tactics of the Army Medical Service in war. 372p. 8° Lond., 1937. ALSO 2. ed. 488p. 23½cm. Lond., 1940.

VALUE (The) of studies in health and sanitation in war planning [MS of essays for the Sir Henry Wellcome Prize of the Association of Military Surgeons of the United States] 13 MS. [Size varies] Wash., 1933.

CONTENTS

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Gibson, P. W. The value of studies in health and sanitation in war planning. Mil. Surgeon, 1934, **74:** 281–94.—**Hume, E. E.** The value of studies in health and sanitation in war planning [The Wellcome prize essay, 1933] Ibid., 1933, **73:** 285–305.—**Mercier, R. G.** De la necesidad de una estrategia sanitaria. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 134.

STRATOSPHERE.

See also **Aeromedicine,** Stratosphere medicine; **Aviation,** Stratosphere; **Dive bombing; Space.**

DAVIS, M. Through the stratosphere; the human factor in aviation. 253p. 22cm. N. Y., 1946.

WULFF, V. J., & LOVELACE, W. R., II. Development of sub-stratosphere pressure suits in the German Air Force. 16p. 27cm. Dayton, 1945.

Forms No. TSEAL-3-660-48M, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Armstrong, H. G. The medical aspects of the National Geographic Society–U. S. Army Air Corps stratosphere expedition of November 11, 1935. J. Aviat. M., 1936, **7:** 55–62.—**Benzinger, T.** Physiologische Grundlagen für Bau und Einsatz von Stratosphärenflugzeugen. Schr. Deut. Akad. Luftfahrtforsch., 1943, **7:** 29–56.—**Polish** stratosphere balloon. Flight Surgeon Topics, 1938, **2:** No. 1, 33.—**Strughold, H.** [New results and problems in medical stratosphere research] Bull. War M., Lond., 1942–43, **3:** 409 (Abstr.)—**Takemura, B.** Seisō-ken to zintai [The stratosphere and the human body] Tiryo igaku, 1943, No. 544, 12.

STRATOSPHERE medicine.

See under **Aeromedicine.**

STRAW-MITE itch.

See under **Pediculoides; Rat mite.**

STRENGTH.

See also **Anthropometry; Fitness; Hand strength; Musculoskeletal system,** Disease; **Recruiting statistics; Service; Soldier.**

FISHER, M. B., & BIRREN, J. E. Standardization of a test of hand strength. 14p. 26½cm. Bethesda, 1945.

Forms Rep. No. 5, Res. Proj. X–293, U. S. Nav. M. Res. Inst.

—— Age and hand strength. 14p. 26½cm. Bethesda, 1945.

Forms Rep. No. 7 of preceding research project.

GOVAERTS, A., & SILLEVAERTS, C. Contribution à l'analyse de l'évolution de la robusticité chez les miliciens belges. 57p. 22½cm. Brux., 1930.

Forms No. 4, v.24, Mém. couron. Acad. méd. Belgique, 1929–33.

Arnaud, L. Sur un essai d'appréciation de la robusticité. Caducée, Par., 1910, **10:** 219.—**Hutton, H. L.** Further observations on Pignet's factor. J. R. Army M. Corps, 1913, **21:** 85.—**Jones, H. W.** A comparison of recruits accepted for the Army during different periods since the Civil War, based on Pignet's factor. Mil. Surgeon, 1913, **33:** 251–9.—**Matumura, T.** Manki taiei-go ni okeru taikaku, tairyoku oyobi tinō no suii ni kan-suru kenkyū [Untersuchung über Verschiebung des Körperbaues, der Körperkraft und des Verstandes ausgedienter Soldaten nach der Dienstentlassung] Gun idan zassi, 1931, 865–900.—**Matuno, K.** Tairyoku ni kan-suru kōan [Ideas on bodily strength] Ibid., 1938, 907.—**Nakamizo, K.** Kōan-seru rikiryō-kei oyobi heitai no rikiryō-ka narabi-ni heitai tairyoku hyōzyun ni tuite [Devices for measuring physical strength and the physical strength index of soldiers, and standards of physical strength for soldiers] Ibid., 1929, 149–89, illust.—**Piazza, G.** L'importanza delle determinazioni antropometriche negli eserciti e l'influenza che il servizio militare ha sulla robustezza fisica dei singoli individui. Gior. med. mil., 1937, **85:** 1047; 1190; 1319.—**Pollak, G.** Die Beurteilung der körperlichen Rüstigkeit und der Militärdiensttauglichkeit nach der Pignet'schen Methode. Militärarzt, Wien, 1914, **48:** 216–22.—**Yosioka, Z.** Rinsan-en no kōgun-ryoku ni oyobosu eikyō ni tuite [The effect of phosphates on the strength of an army in the field] Keiō igaku, 1944, **24:** 163–78.

STREPTOBACILLOSIS.

Franchi, F. L'allergia cutanea nell'infezione streptobacillare studiata negli indigeni dell'Africa Orientale Italiana. Gior. med. mil., 1936, **84:** 1171–6.

STREPTOCOCCOSIS.

See also **Endocarditis; Pneumonia,** streptococcic; **Respiratory system,** Disease: Control; **Rheumatic fever; Rheumatism; Sepsis,** Etiology; **Septic sore throat;** also **Strangles.**

UNITED STATES. ARMY EPIDEMIOLOGICAL BOARD. COMMISSION ON HEMOLYTIC STREPTOCOCCAL INFECTIONS. Report. Wash. (1943/44) 1944–

Archer, G. T. L. Streptococcus viridans in urine. J. R. Army M. Corps, 1938, **70:** 97–104.—**Cabrera, A.** Estreptococcía y neumotórax espontáneo. Rev. méd. mil., Méx., 1938, **1:** No. 5, 9–12.—**Jame & Germain.** Les complications à streptocoque dans les affections médicales et chirurgicales observées dans l'armée. Arch. méd. pharm. mil., 1932, 97; 345–71.—**Moore, M. R.** Evaluation of antifibrinolysin plasma levels and antistreptolysin titers in group A streptococcus infections. News Lett. AAF Rheum. Fever Control, 1945, **2:** No. 5, 16–23.—**Rabe, E. F.** Streptococcal diseases. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 5, 23–33.—**Sherwood, N. P.** Streptococci at war. Research Rev. (U. S. Navy) 1948, Dec., 7–9.—**Stroian, N.** Purpura hemoragică in toxemia streptococică. Rev. san. mil., Bucur., 1935, **34:** 102–8.

—— Control.

Coburn, A. F. The control of Streptococcus hemolyticus. Mil. Surgeon, 1945, **96:** 17–40.—**Curtis, J. K.** The control of diseases due to the hemolytic streptococcus. Bumed News Lett., Wash., 1945, **5:** No. 10, 6.—**Dangerous** carriers of hemolytic streptococci and their control. Bull. U. S. Army M. Dep., 1946, **5:** 291–4.—**Detection** of dangerous carriers of hemolytic streptococci. Rep. Com. Airborne Infect. U. S. Army, 1944, 6–8.—**Harrison, F. F., & Miller, J. K.** The problem of hemolytic streptococcus carriers in hospital personnel. War Med., Chic., 1945, **8:** 333–6.—**Lemon, H. M., Loosli, C. G., & Hamburger, M., jr.** The transmission and control of respiratory diseases in Army barracks; the spread of hemolytic streptococcal infections among enlisted personnel. J. Infect. Dis., 1948, **82:** 72–85.—**Rantz, L. A., Spink, W. W., & Boisvert, P. J.** Chemotherapy and the hemolytic Streptococcus carrier state. Bull. U. S. Army M. Dep., 1946, **5:** 662–6.—**Segregation** of new and old recruits; effect on an epidemic. U. S. Nav. M. Bull., 1946, **46:** 375–80.—**Summary** of naval streptococcal control program. Bumed News Lett., Wash., 1944, **4:** No. 3, 5–9.

—— Epidemiology and incidence.

COBURN, A. F., & YOUNG, D. C. The epidemiology of hemolytic streptococcus during World War II in the United States Navy. 229p. 23½cm. Balt., 1949.

Blake, F. G. The relation of Streptococcus hemolyticus carriers to Streptococcus epidemics in the Army. Tr. Am. Laryng. Ass., 1919, 41. meet., 88–117.—**C., A. F.** The importance to the Navy of streptococcus infections. Bumed News Lett., Wash., 1943, **2:** No. 11, 1–3. ——— The dangerous streptococcus carrier. Ibid., No. 12, 6. ——— Versatility of the hemolytic streptococcus. Ibid., No. 13, 9.—**Coburn, A. F.** Epidemiology of Streptococcus hemolyticus infections at Naval training stations. U. S. Nav. M. Bull., 1943, **41:** 1012–8. ——— The carrier problem in the dissemination of hemolytic streptococcus. Ibid., 1944, **42:** 325–35.—**Feasby, W. R., & Bynoe, E. T.** Survey of hemolytic streptococcus infections at Camp Borden, Ontario, 1943; epidemiology (p.207); clinical features (p.216) War Med., Chic., 1944, **5:** 207–21.—**Fingerland, A.** Durch Tröpfcheninfection entstandene Epidemie chirurgischer Streptokokkenansteckungen. Bull. War M., Lond., 1942–43, **3:** 309 (Abstr.)—**How** streptococci get around. Bull. Army M. Dep., Lond., 1944, No. 37, 5.—**Jennings, C. G.** Streptococcus survey, 30 September to 27 October, 1944. News Lett. AAF Rheum. Fever Control, 1944, No. 5, 3–14.—**Keefer, C. S.** Hemolytic streptococcal infections in wartime. South. M. J., 1942, **35:** 143–6.—**Mather, J. M., McClure, A. D., & Farquharson, R. F.** Observations in an outbreak of Streptococcus haemolyticus infection at an R. C. A. F. station. Canad. J. Pub. Health, 1946, **37:** 187–200.—**Milkborne** streptococcic infections. Army M. Bull., 1937, No. 42, 62–4.—**Mitchell, R. B., & Ravenswaay, A. C., van.** Hemolytic streptococcic diseases in the Army Air Forces. News Lett. AAF Rheum. Fever Control, 1945, **2:** No. 7, 15–29.—**Mitchell, R. B., Tuttle, E. E.** [et al.] The interpost dissemination of epidemic strains of hemolytic streptococci by troop movements. J. Infect. Dis., 1946, **78:** 128–34.—**Program** for control of streptococcal disease at Fort Lewis. Rep. Com. Airborne Infect. U. S. Army, 1945, 13.—**Purvis, J. D.,** jr, **& Morris, G. C.** Report of food-borne streptococcus outbreak. U. S. Nav. M. Bull., 1946, **46:** 613–5.—**Recent** outbreak of streptococcal infection. Ibid., 1945, **45:** 1017–20.—**Schwentker, F. F.** Survey of hemolytic streptococci in certain Army camps. Army M. Bull., 1943, No. 65, 94–104.—**Streptococcus** infections in camps. Rev. War Surg. & M., 1918, **1:** No. 4, 47–51.—**Streptococcus** survey, 27 January to 23 February 1945. News Lett. AAF Rheum. Fever Control, 1945, **2:** No. 4, 16–24.—**Streptococcus** survey, 24 February to 30 March 1945. Ibid., No. 5, 12–6.—**Van Ravenswaay, A. C., & Hodges, R. G.** The early recognition of the interpost dissemination of streptococcic disease. Ibid., No. 10, 11–6.

—— Prevention.

CLAUSEN, N. M., & COMPLOIER, F. C. A study of oral penicillin preparations for possible use as prophylactic agents against streptococcal diseases. 36p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X–650, U. S. Nav. M. Res. Inst.

Blanc & Ribay. Septicopyohémie à streptocoques guérie par la pénicilline. Bull. Soc. méd. mil. fr., 1946, **40:** 38.—**Study** (A) of oral penicillin preparations for possible use as prophylactic agents against streptococcal diseases. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 29.

—— Treatment.

See also **Furunculosis; Skin,** Disease.

Bondet de la Bernardie. Le traitement des infections à streptocoques par le sérum de Vincent. Arch. méd. pharm. nav., 1935, **125:** 279–88, ch.—**Dmochowska, M., & Ginelli, J.** [Results in treatment with antistreptine–Geo.] Lek. wojsk., 1938, **32:** 610–8.—**Hirsch, A. P.** Lećenie streptokokcij protivostreptokokkovoj syvorotkoju. Voen. med. J., S. Peterb., 1904, **1:** Med. spec. pt, 523–50.—**Pechernikov, P.** [Chloracide in treatment of streptococcic affections of the skin] Voen. san. delo, 1937, No. 11, 113–5.—**Vargas, F. R.** Nuevas contribuciones en el tratamiento de las estreptococais. Gac. méd. mil., Méx., 1933–34, **1:** 129–44.

STREPTOCOCCUS.

See also under **Food infection.**

METHODS FOR THE ISOLATION AND IDENTIFICATION OF STREPTOCOCCUS HAEMOLYTICUS; adopted

by the Medical Department of the United States Army. 8p. 8° Wash., 1918.

Selective method for isolation of hemolytic streptococci from throat swabs. Bull. U. S. Army M. Dep., 1945, 4: 496.—**Swift, H. F.** Modern techniques for studying hemolytic streptococci. Ibid., 1946, 6: 428–34.

—— Immunology and serology.

Prince, J. T. Concentration of grouping serum for group A hemolytic streptococci. U. S. Nav. M. Bull., 1948, 48: 641.—**Rantz, L. A., Boisvert, P. J., & Spink, W. W.** Antistreptococcal antibodies. Bull. U. S. Army M. Dep., 1946, 5: 40–2.—**Solowey, M.** A serological study of viridans streptococci obtained from Camp Claiborne, Louisiana. Am. J. Hyg., 1944, 39: 295–6.

—— Resistance.

EDGE, C. O., & BARNES, L. A. Evaluation of SN 14,622 and SN 14,625 as possible antistreptococcal agents. 5p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. X-754, U. S. Nav. M. Res. Inst.

FUSSELL, J. J., PEDRICK, R. F., & BROH-KAHN, R. H. The penicillin sensitivity of hemolytic streptococci isolated from human throats. 13p. 27cm. Randolph Field, 1946.

Forms Rep. No. 1, Proj. No. 469, U. S. Air Force School Aviat. M.

Hamburger, M., jr, Mattman, L. H. [et al.] Susceptibility to sulfadiazine of hemolytic streptococci recovered in Army camps. Am. J. Med., 1946, 1: 23–7.—**Length** of survival of hemolytic streptococci in blankets. Rep. Com. Airborne Infect. U. S. Army, 1944, 11.—**Shott, K. V.** Resistance of group A hemolytic streptococci to various sulfonamides. News Lett. AAF Rheum. Fever Control, 1945, 2: No. 9, 1.—**Spingarn, C. L., & King, A. N.** Susceptibility of serologically typed group A streptococci to penicillin. U. S. Nav. M. Bull., 1946, 46: 239–46.—**Trowbridge, M.,** jr. Methods of determining sulfonamide resistance of group A beta hemolytic streptococci. News Lett. AAF Rheum. Fever Control, 1945, 2: No. 6, 1–5. ——— The clinical significance of streptococcus sulfonamide resistance studies. Ibid., 5–8.

—— Typing.

Lukasiewicz, K. [The differentiation of streptococci] Lek. wojsk., 1928, 11: 1; 101.—**Present** status of streptococcus typing. Bull. U. S. Army M. Dep., 1946, 6: 234–6.—**Rantz, L. A.** Serologic classification of hemolytic streptococci pathogenic for man. War Med., Chic., 1941, 1: 895–8.—**Swift, H. F., & Lancefield, R. C.** Comparison of methods for capillary pipette of group A hemolytic streptococci. News Lett. AAF Rheum. Fever Control, 1945, 2: No. 1, 25–8.

STREPTOMYCIN.

See also **Peritonitis; Sepsis,** Treatment; **Tuberculosis.**

Bustinza, F. Introducción a la terapia con estreptomicina. Med. & cir. guerra, 1949, 11: 475–85.—**Muñoz Cardona, P.** Estreptomicina. Ibid., 1947, 9: 393–9.—**Nikolaev, M., & Grinshpunt, E.** Streptomycin. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 345–50.—**Riggins, H. M.** Streptomycin. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 67–9.—**Streptomycin.** Bull. U. S. Army M. Dep., 1946, 5: 531; 6: 637. Also Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, 1: No. 4, 66–70. Also Surgeon Circ. M. Sect. Far East Command, 1948, 3: No. 4, 12–9.—**Warner, W. P.** Streptomycin; summary of policy. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 6, 5–8.

—— Pharmacology.

Army reports on use of streptomycin. Circ. M. Sect. Far East Command, 1947, No. 9, 11–3.—**Ehrlich, A.** Estimation of streptomycin sensitivity of bacteria. Bull. U. S. Army M. Dep., 1948, 8: 473–5. ——— Estimation of streptomycin in blood serum. Ibid., 476–80.—**Lehman, E. J.** Streptomycin report. Treatm. Serv. Bull., Ottawa, 1948, 3: 23–9.—**Marshall, W.** Search and research; the properties and uses of streptomycin based on U. S. Army clinical experiences. Med. Times, N. Y., 1946, 74: 337–42.—**Miller, C. P., & Bohnhoff, M.** New results in streptomycin research. Research Rev. (U. S. Navy) 1948, Mar., 16–20.—**Pulaski, E., Mathews, C., & Amspacher, W. H.** Report of streptomycin studies. Profess. Staff Proc. Halloran Gen. Hosp., 1947, 1: No. 3, 27–47.—**Streptomycin.** Res. Program U. S. Army M. Res. Bd, 1946, Oct. 18; 1947, Apr., 6.

—— Therapeutic use.

VETERANS ADMINISTRATION CONFERENCE ON STREPTOMYCIN IN TUBERCULOSIS [1. CONF., 1946] Minutes. 72p. 27cm. Chic., 1946.

——— [2. CONF., 1947] Minutes. 139p. 27cm. Chic., 1947.

——— [3. CONF., 1947] Minutes. 212p. 27cm. S. Louis, 1947.

Baird, M. A plan for the use of streptomycin in D. V. A. hospitals. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 8, 50–5.—**DeBakey, M. E., & Pulaski, E. J.** An analysis of the experience with streptomycin therapy in United States Army hospitals; preliminary report. Surgery, 1946, 20: 749–60.—**Del Portillo Fernández, L.** La estreptomicina en urología. Med. & cir. guerra, 1947, 9: 505–7.—**De Van, W. T.** The preoperative use of streptomycin in gastrointestinal surgery. Bull. U. S. Army M. Dep., 1949, 9: 818–28.—**Pulaski, E. J.** Further experiences with streptomycin therapy in U. S. Army hospitals. Ibid., 1947, 7: 739–42. ——— & **Seeley, S. F.** Further experiences with streptomycin therapy in United States Army hospitals. J. Laborat. Clin. M., 1948, 33: 1–14.—**Shefts, L. M.** The uses and abuses of streptomycin in thoracic surgery. Mil. Surgeon, 1949, 104: 461–3.—**Streptomycin.** Med. Bull. Off. Chief Surgeon Europ. Command, 1948, 5: No. 4, 6–14.—**Streptomycin;** status report on its therapeutic use. Bull. U. S. Army M. Dep., 1946, 6: 565–70.—**Terry, L. L.** The clinical use of streptomycin. Mil. Surgeon, 1948, 102: 198–202.

—— Toxicity.

Gelinas, J. Some observations on the toxicity of streptomycin. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 6, 43–6.—**Moffitt, O. P.** Streptomycin toxicity for the labyrinth; preliminary report. Bull. U. S. Army M. Dep., 1948, 8: 761–5.—**Moyer, J. H., & Womack, C. R.** Aplastic anemia as a complication of streptomycin therapy. Ibid., 1949, 9: 793.—**Otic** complications of streptomycin therapy; a preliminary report; 81 streptomycin-treated patients were examined for evidence of aural toxicity. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 21.—**Sensitivity** in personnel working with streptomycin, principally nurses. Ibid., 1947, July, 48.—**Snell, F. B.** Some otic complications of streptomycin therapy. Mil. Surgeon, 1948, 102: 202–5.—**Vadala, A. J., Moffitt, O. P., & Norman, W. B.** Fitzsimons Army Hospital's report on toxicity. Minutes Streptomycin Conf., 1948, 5. Conf., 59–61.

STREPTOTHRICOSIS.

Schafer, W. L. Streptothricosis; report of a case with recovery. U. S. Nav. M. Bull., 1948, 48: 399–404.

STRESS [biological]

See also **Soldier,** Behavior; **Speech; Steroid;** see also the terms related to environmental stimuli as **Altitude; Cold exposure; Heat,** etc.

BUEL, J. Development of a falling hammer for producing psychological stress. 7p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 285, U. S. Air Force School Aviat. M.

Beattie, J., & Henneman, P. H. Physiological reactions to stress. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, 5: No. 10, 1–15.—**Belding, H. S.** Measurement of effective environmental stresses. Sympos. Mil. Physiol., Wash., 1947, 36. ——— Determination of adaptations of man to stresses. Ibid., 37. ——— Studies of principles involved in providing protection against stresses. Ibid., 38–41.—**Clarke, R. W., Crosley, A. P.,** jr [et al.] Renal circulation and excretion as affected by stress. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 2, No. 10, 1.—**Clarke, R. W., Crosley, A. P.,** jr, & **Talso, P. J.** Renal circulation and excretion as affected by stress. Ibid., Proj. 1, No. 10, 1.

STRESS fracture.

See under **Fracture.**

STRETCHER.

See **Fracture,** Apparatus; **Litter; Spine,** Injury: Treatment.

STROKE.

See **Heat stroke.**

STRONGYLOIDOSIS.

Napier, L. E. Strongyloides stercoralis infection; strongyloidiasis among ex-prisoners-of-war. J. Trop. M. Hyg., Lond., 1949, 52: 46–8.—**Oliveira, P. P. de.** Estrongiloidose, problema sanitário; incidência numa coletividade militar. Hospital, Rio, 1949, 35: 437–43.—**Willard, J. H.** Intestinal parasites in service personnel in the South Pacific; with special reference to the incidence and treatment of strongyloidiasis. Gastroenterology, 1946, 7: 650–5.

STRONGYLOSIS.

See also **Horse,** Disease.

Alcaraz, R. A. El violeta de genciana en el tratamiento de las parasitosis. Rev. san. mil., B. Air., 1940, **39:** 920–39.—**Knowles, R. H., & Blount, W. P.** Experimental observations on phenothiazine relative to the treatment of equine strongylosis. J. R. Army Vet. Corps, 1940–41, **12:** 51–65.—**Pacheco, J., & Barros Filho, L. O.** Males causados pelas larvas de Strongylus. Rev. mil. med. vet., Rio, 1941, **4:** 3336–54.

STUDENT.

See also **Medical student; School.**

Candela, L. J. Medical studies and students under war-time conditions. Marquette M. Rev., 1941–42, **6:** 86–9.—**Fielder, N. R.** A study of wartime medical students and their problems. J. Ass. Am. M. Coll., 1943, **18:** 256–66.—**Front** surgery; or advice to dressers. Guy's Hosp. Gaz., Lond., 1943, **57:** 141.—**Getting** ready for war service; how to prepare for military or naval service while in school or college. Occupations, 1942–43, **21:** 75–80.—**Little** boys and medical students. S. Barth. Hosp. J. War Ed., Lond., 1941–42, **3:** 97.—**Medical** students and national service. Brit. M. J., 1943, **3:** Suppl., 5.—**Medical** students and the war [Great Britain] J. Am. M. Ass., 1939, **113:** 2333; 1940, **115:** 1499; 1942, **118:** 911.—**Military** service bill affects upper classmen and graduates. Science News Lett., 1940, **38:** 131.—**Moon, G. R.** Effects of the war program on the progress of medical students. J. Ass. Am. M. Coll., 1945, **20:** 376.—**Shepheard, J.** British medical students in civilian defense. Interne, N. Y., 1942, **8:** 41.—**Sokolovsky, V. P.** O fizićeskom sostojanii kursantov N-skogo voennogo ućiliśća. Voen. med. J., Moskva, 1947, No. 9, 3–10.—**Weaver, M. M., & Hinckley, R. G.** Students' health service experience in outpatient care of Army students. J. Lancet, 1944, **64:** 311–4.—**Zucker, A., Guleke, N.** [et al.] Student enrollment. CIOS Rep., Lond., 1945, Item 24, No. XXVI–23, 4.

STUDENT clerkship.

See under **Intern.**

STUTTERING.

See **Speech disorder.**

STYLOMINE.

See also **Chemical warfare.**

Marinescu, E. *Le stylomine, est-il une arme? [Strasbourg] 33p. 24cm. Schiltigheim, 1935.

SUBARACHNOIDAL hemorrhage.

See **Meningic space,** Hemorrhage.

SUBARCTIC.

See under **Arctic service.**

SUBCLAVIAN vessels.

Bogoraz, N. A. [Aneurysms of the subclavicular vessels] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 96–104.—**Meyer & Heuraux.** Un cas d'hémorragie secondaire de la sous-clavière gauche au cours d'un adénophlegmon. Bull. Soc. méd. mil. fr., 1937, **31:** 546–9.—**Orlov, I. I., & Volkonskaia, O. F.** [Treatment of aneurysms of subclavicular vessels] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 105–8.—**Rehn, E.** Das Aneurysma der Arteria subclavia durch Schussverletzung und seine Idealoperation mit freier Venenüberpflanzung. Bull. War M., Lond., 1942–43, **3:** 264 (Abstr.)

SUBMARINE.

See also **Spotting.**

—— Atmosphere, and microclimate.

Carpenter, D. N. Habitability of submarines. U. S. Nav. M. Bull., 1928, **26:** 31–40.—**Ellis, F. P.** Fluctuating atmospheric pressures; a novel environmental variant observed in submarines. Brit. J. Indust. M., 1949, **6:** 24–30.—**Falcomatá, B.** Contributo alla conoscenza del microclima dei sommergibili. Ann. med. nav., Roma, 1939, **45:** 148–55.—**Kaplan, N.** The atmosphere in a submarine. Research Rev. (U. S. Navy) 1949, July, 20.

—— Conning tower.

Lee, R. H., & Finch, E. M. Instrument lighting and low level illumination in submarine conning towers. 13p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–380, U. S. Nav. M. Res. Inst.

Verplanck, W. S. An investigation of the red illumination of the submarine conning tower. 23 l., xxv l. 26½cm. N. Lond., 1946.

Forms Rep. No. 1, Proj. No. X–519, U. S. Nav. M. Res. Laborat.

Instrument lighting and low level illumination in submarine conning towers. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 20.

—— Disaster.

See also **Submarine crew,** Escape and rescue.

Vogel, H. Les catastrophes sous-marines et les moyens de les prévenir. Bruxelles méd., 1933–34, **14:** 1284.

—— Equipment.

Sussman, L. Evaluation of electronic cooking device (radarange) for submarines. 10 l. 28cm. N. Lond., 1947.

Forms Proj. No. NM-011–016, U. S. Nav. M. Res. Laborat.

Behnke, A. R., jr. Employment of helium in diving to new depths of 440 feet. U. S. Nav. M. Bull., 1942, **40:** 65–7.—**Hoff, E. C.** Human factors in design and operation of submarine instruments and controls; submarine illumination. In his Bibliogr. Sourceb. &c. Submarine Med., Wash., 1948, 341.—**Verplanck, W. S.** Some notes on visual devices and procedures observed on new German submarines. Minutes Army Navy Vision Com., 1945, 14. meet., pt 2, 65–7.

—— Hazards.

See also **Submarine crew,** Poisoning.

New tests of submarine dangers. Med. Rec., N. Y., 1942, **155:** 79.—**Patti, M.** I vapori di cloro a bordo dei sommergibili; contributo clinico e tossicologico. Ann. med. nav., Roma, 1943, **49:** 295–305.

—— Noise.

Harris, J. D., & Stover, A. D. Noise levels aboard a fleet submarine. 15 l. 28cm. N. Lond., 1948.

Forms Rep. No. 2, Proj. No. NM–003–020, U. S. Nav. M. Res. Laborat.

—— Salvage.

See under **Submarine crew,** Escape and rescue.

—— Sanitation.

See also **Ship,** Hygiene; also various subheadings of **Submarine crew.**

Le Chuiton. Les problèmes d'hygiène que pose la vie à bord des sous-marins. Sem. hôp., Par., 1948, **24:** 198–201.—**Lübben, G.** Unterkunftsverhältnisse auf Unterseebooten. In: Wehrhygiene (Handloser, S.) Berl., 1944, 442–7.—**Schulze, H., & Heydrich.** Beitrag zur Hygiene auf Unterseebooten. Deut. Militärarzt, 1938, **3:** 322–7.

—— Schnorchel.

See also **Submarine crew,** Biology.

Bateman, J. G., Hayter, R. [et al.] A preliminary study of the medical aspects of Schnorchel operations. 23 l. 28cm. N. Lond., 1947.

Forms Proj. No. X–606, U. S. Nav. M. Res. Laborat.

SUBMARINE crew.

See also preceding and subsequent main headings.

Shilling, C. W. The submarine sailor. Mil. Surgeon, 1944, **94:** 216–8.

—— Accidents.

González Gil, U. Accidentes respiratorios en el deporte de la caza submarina. Sem. méd. espan., 1944, **7:** 148–52.—**Johannsen, E. W.** Livsbetingelser i undervandsbaade. In: Skader mennesk. org. (Johannsen, E. W. et al.) Kbh., 1940, 176–83.

—— Biology.

Consolazio, W. V., Fisher, M. B. [et al.] The effects on personnel of various concentrations of carbon dioxide and oxygen under conditions of submarine operations. 50p. 26½cm. Bethesda, 1945.

Forms Res. Proj. X–349, U. S. Nav. M. Res. Inst.

Babac, N. [Life and hygiene on the submarine] Voj. san. glasnik, 1939, **10:** 293–325.—**Bianchi, G.** Physiopathology of

sailors in submersive ships. War Med., Chic., 1942, 2: 1049 (Abstr.)—**Bugard.** Les problèmes physiologiques de la plongée en scaphandre. Sciences, Par., 1946–47, 74: 218–54.—**Colombi, C.** L'attività cardiovascolare nel micro-clima del sommergibile. Cuore & circol., 1943, 27: 195.—**Davidson, W. M.** Physiological problems in snort-fitted submarines. J. R. Nav. M. Serv., 1949, 35: 26–9.—**Herman, E.** [Living conditions on submarines during long periods of submersion] Voen. san. delo, 1937. No. 7, 36–45.—**Hosokawa, S.** Kō-tei ryō-atu kankyō ni okeru seitai seiri tiken hoi [Die Beiträge zur pathologischen Physiologie in der druckveränderten Atmosphäre] Kaigun gun-ikai zassi, 1936, 25: 73–104.—**Human** (The) mechanism and the submarine. J. Am. M. Ass., 1941, 116: 235.—**Lepel.** Magensaftuntersuchungen in kohlensäurereicher und schwüler Atmosphäre. Deut. med. Wschr., 1944, 70: 70.—**Livrea, G. R. M.** Osservazioni sulla fisiopatologia neurovegetativa dei sommergibilisti. Ann. med. nav., Roma, 1941, 47: 102–15. Also War Med., Chic., 1942, 2: 1049 (Abstr.)—**Man** and the submarine. Med. Rec., N. Y., 1941, 153: 261.—**Oudard.** La vie à bord des sous-marins. Bull. Acad. méd., Par., 1939, 3. sér., 121: 693–9.—**Shilling, C. W., & Kohl, J. W.** Field study of the effects of snorkelling on submarine personnel. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 297–9.—**Shilling, C. W., & Willgrube, W. W.** Quantitative study of mental and neuro-muscular reactions as influenced by increased air pressure. U. S. Nav. M. Bull., 1937, 35: 373–80.—**Spurway-Haldane, H., & Haldane, J. B. S.** La vie humaine à haute pression. C. rend. Soc. biol., 1945, 139: 1062.—**Teed, R. W.** Factors producing obstruction of the auditory tube in submarine personnel. U. S. Nav. M. Bull., 1944, 42: 293–306.

—— Escape, and rescue.

See also **Submarine escape apparatus.**

Adams, B. H., & Polak, I. B. Traumatic lung lesions produced in dogs by simulating submarine escape. U. S. Nav. M. Bull., 1932, 31: 18–20, pl.—**Bailey, H.** Caisson disease, with special reference to submarine salvage. In his Surg. Mod. Warfare, 2. ed., Balt., 1942, 1: 34–6.—**Behnke, A. R.** Medical aspects of submarine rescue and salvage efforts. War Med., Chic., 1941, 1: 168–79. ——— Submarine escape. Sympos. Mil. Physiol., Wash., 1947, 64.—**Chrisman, A. S.** Submarine escape training. J. Connecticut M. Soc., 1938, 2: 423–30.—**Donald, K. W., Davidson, W. M., & Shelford, W. O.** Submarine escape breathing air. J. Hyg., Lond., 1948, 46: 176–83.—**Jenkinson, S.** Submarine salvage; the air in a submerged submarine; means of exit when submerged; and disabilities of the survivors. Brit. J. Surg., 1939–40, 27: 767–80.—**Mankin, G. H.** Individual submarine escape. U. S. Nav. M. Bull., 1930, 28: 18–28, 2 pl.—**Molander, N.** [On the rescue of crews in sunken submarines] Tskr. mil. hälsov., 1936, 61: 217–31.—**Rosenstiel, M.** Les problèmes de physiologie soulevés par les essais de sauvetage à bord sous-marins. Presse méd., 1933, 41: 262.—**Severin, G.** [Rescue from a sunken submarine] Nord. med., 1940, 8: 1685–93. ——— Räddning av personal från sjunken ubåt. Tskr. mil. hälsov., 1944, 68: Suppl., 228–35.—**Shilling, C. W.** Expiratory force as related to submarine escape training. U. S. Nav. M. Bull., 1932, 31: 1–7.

—— Health.

See also **Ship,** Hygiene.

Bianchi, G. Saggi di fisiopatologia dei sommergibilisti. p. 283–359. 24cm. Roma, 1941.
Ann. med. nav., Roma, 1941, 47:

Hoff, E. C. Diseases and accidents in submarine personnel, divers, and compressed air workers. p. 94–238. 27cm. Wash., 1948.
In his Bibliogr. Sourceb. &c. Submarine Med., Wash.

Barron, A. F. M. The lookout problem in submarines: defective night vision. J. R. Nav. M. Serv., 1943, 29: 189–96.—**Bellecci, P.** Spunti di patologia oculare nei sommergibilisti. Ann. med. nav., Roma, 1947, 52: 207–9.—**Francis, W. S.** Health and habitability aboard submarines. Hosp. Corps Q., 1944, 17: No. 5, 52–6.—**Haines, H. L., & Harris, J. D.** Aerotitis media in submariners. Ann. Otol. Rhinol., 1946, 55: 347–71.—**McHarg, J. F.** The mental health of submariners, with special reference to 71 cases examined psychiatrically. J. Ment. Sc., Lond., 1946, 92: 343–56.—**Martin, W. B.** Dental problems on submarines. U. S. Nav. M. Bull., 1946, 46: 898.—**Mitunaga, T.** Sensui-sya-byō [Compressed air illness] Sei i kwai M. J., 1909, 28: No. 10, 26–32.—**Rosenstiel.** Pathologie des sous-mariniers; analyse de travaux allemands. Rev. méd. nav., Par., 1946, 1: 175–9.—**Tatarelli, G.** Alcune prove di laboratorio sulla funzionalità epatica di un gruppo di sommergibilisti. Ann. med. nav., Roma, 1946, 51: 105–12. ——— Alterazioni epatiche nei sommergibilisti. Ibid., 304–10.—**Van Der Aue, O. E., & Cullen, V. R.** Gingivitis among submarine personnel; a comparative study. U. S. Nav. M. Bull., 1945, 44: 811–6.

—— Medical care.

Blizzard, J. L. Submarine Service School for pharmacists' mates. Hosp. Corps Q., 1943, 16: No. 4, 70–2.—**Bugard, P.** Guide thérapeutique des scaphandriers. Rev. méd. nav., Par., 1946, 1: 267–84.—**Duff, I. F., & Shilling, C. W.** Medical care on wartime operating submarines. U. S. Nav. M. Bull., 1949, 49: 580–91.—**Fomin, N. F.** [Technic of intravenous injections and blood transfusions in submarines] Feldsher, Moskva, 1943, No. 4, 39.—**Lo Schiavo, R.** Attinoterapia a bordo di un sommergibile in lunga missione di guerra. Ann. med. nav., Roma, 1949, 54: 509–12, pl.—**Pharmacist's** mates for submarine training [form letter] Bumed News Lett., Wash., 1943, 2: No. 5, 26.—**Story** (The) of two nursing sisters returning on the torpedoed Rangitane. Nurs. Times, Lond., 1941, 37: 847; 872; 890.

—— Poisoning.

Dorello, F. [Su di un caso di intossicazione collettiva a bordo di un sommergibile] Deut. Militärarzt, 1940, 5: 298 (Abstr.)—**Hederer, C., & André, L.** De l'intoxication par les hautes pressions d'oxygène. Bull. Acad. méd., Par., 1940, 3. sér., 123: 294–307.—**Lacorelli, G.** Intossicazione collettiva da mercurio a bordo di un sommergibile. Ann. med. nav., Roma, 1940, 46: 465–9.—**Motegi, K., & Ikemoto, K.** Kōatu osen kūki no kokyū ni yoru zikaku-teki syōzyō [Subjective symptoms manifested during a sojourn in polluted air under high pressure] Kaigun gun-ikai zassi, 1934, 23: 67–81.—**Patti, M.** Intossicazione collettiva da idrogeno fosforato gassoso, PH_3, a bordo di un sommergibile. Ann. med. nav., Roma, 1939, 45: 432–8.—**Tatarelli, G.** Intossicazione collettiva da gas cloro a bordo di un sommergibile. Ibid., 1946, 51: 337–48.

—— Selection, and fitness.

Bartlett, N. R. An evaluation of shipboard indoctrination of officer candidates for submarine training. 11 l. 27cm. New Lond., 1946.
Forms Proj. No. X–531, U. S. Nav. M. Res. Laborat.

——— A description of disqualifications of enlisted applicants for submarine training. 25 l. 27cm. New Lond., 1946.
Forms Proj. No. X–566, U. S. Nav. M. Res. Laborat.

Cook, E. B., & Wherry, R. J. A study of the interrelationships of psychological and physiological measures on submarine enlisted candidates; history, experimental design, and statistical treatment of data. 45 l. 27½cm. New Lond., 1949.
Forms Rep. No. 1, Proj. No. NM 003 017, U. S. Nav. M. Res. Laborat.

Jones, R. F. Selection of personnel for submarines. U. S. Nav. M. Bull., 1926, 24: 461–76.—**Medina, D. S.** Seleção do marinheiro de submarino; contrôle médico-fisico. Arq. brasil. med. nav., 1945, 6: 797–802.—**Physical** examination of officers and enlisted men for submarine service, manual of the Medical Department. Bumed News Lett., Wash., 1944, 3: No. 12, 22–4.—**Shilling, C. W., & Bartlett, N. R.** A description of disqualifications of enlisted applicants for submarine training. U. S. Nav. M. Bull., 1947, 47: 59–76.

—— Service.

See **Submarine service.**

—— Supply.

Leib, G. *Contribution à l'étude de la ration vitaminée des sous-mariniers. 48p. 24cm. Par., 1939.

Mello Nogueira, A. J. de. Considerações sobre a alimentação do submarinista. Rev. med. hyg. mil., Rio, 1923, 9: 145–50.—**Shilling, C. W., & Duff, I. F.** Analysis of submarine food problems in World War II. U. S. Nav. M. Bull., 1948, 48: 683–97.

SUBMARINE detector.

Gray, G. W. Submarine chasers and submarine spotters. In his Science at War, 3. ed., N. Y., 1943, 84–7. ——— Submarine sound detection. Ibid., 133–5.—**Rutherford, E. D.** Examination of candidates for submarine detector rating. J. R. Nav. M. Serv., 1921, 7: 163–8.—**Will, O. A., jr.** Certain psychiatric reactions in operators of antisubmarine sound gear; report of two cases. U. S. Nav. M. Bull., 1945, 44: 746–8.

SUBMARINE escape apparatus.

See also **Submarine crew,** Escape and rescue.

Behnke, A. R. Analysis of accidents occurring in training with the submarine lung. U. S. Nav. M. Bull., 1932, 30: 177–85.—**Bennett, J. J.** The Davis submarine escape apparatus. Dent. Mag., Lond., 1931, 48: 968–76.—**Hansen, R. A., Behnke, A. R., & Shilling, C. W.** Breathing resistance of the new submarine escape apparatus compared with that of previous models. U. S. Nav. M. Bull., 1936, 34: 220–3, pl.—**Johnston, J.** The Davis submarine escape apparatus. J. R. Nav. M. Serv., 1931, 17: 12–8.—**MacClatchie, L. K.** Medical aspects of submarine lung training. U. S. Nav. M. Bull., 1931, 29: 357–66.

SUBMARINE lung.

See preceding heading.

SUBMARINE mask.

See **Mask.**

SUBMARINE medicine.

Ayres, P. B., Hendrickson, R. M. [et al.] Aero, surface and submarine medicine and research in the Japanese Navy. 72p. 25½cm. [n.p.] 1945.

Forms No. M–06, Med. Targets.

Hoff, E. C. A bibliographical sourcebook of compressed air, diving and submarine medicine. 382p. 27cm. Wash., 1948.

Longet, M. *Les problèmes médicaux de la navigation sous-marine. 317p. 25cm. Lyon, 1939.

Shilling, C. W., & Kohl, J. W. History of submarine medicine in World War II. 328 l. 28cm. New Lond., 1947.

Behnke, A. R. Submarine medicine. Mil. Surgeon, 1938, **83:** 6–19. ——— Medical problems relating to diving, underwater construction, and submarines. Proc. Pacific Sc. Congr. (1939) 1943, 6. Congr., **6:** 85–9.—**Hoff, E. C.** History of the medical aspects of submarines, diving, and subaqueous tunneling. In his Bibliogr. Sourceb. &c. Submarine Med., Wash., 1948, 1–16. ——— Technical procedures and research apparatus in compressed air, diving, and submarine medicine. Ibid., 17–22.—**Le Gac.** Programme de la croisière effectuée par Le Glorieux et Le Héros. Arch. méd. pharm. nav., 1936, **126:** 57–93.—**Malavoy.** Rapport médical de fin de croisière des sous-marins Protée et Actéon. Ibid., 1937, **127:** 99–110.—**Olshausen, G.** An Bord von U 21; auf der Fahrt von Wilhelmshaven nach Konstantinopel vom 25. IV. bis 5. VI. 1915. Deut. med. Wschr., 1935, **61:** 1008–11.—**Pohle, F.** U-Boot medizinische Fragen. Wien. klin. Wschr., 1944, **57:** 101. ——— U-Bootsmedizinische Erfahrungen. Wien. med. Wschr., 1944, **94:** 159.—**Submarine** medical research. Hosp. Corps Q., 1945, **18:** No. 10, 19–24.—**Yarbrough, O. D.** Medical problems of future submarines. Mil. Surgeon, 1948, **102:** 342–6.

SUBMARINE service.

See also **Submarine crew; Submarine warfare.**

Utterback, R. A., & Ludwig, G. D. A comparative study of schedules for standing watches aboard submarines based on body temperature cycles. 24p. 26½cm. Bethesda, 1949.

Forms Rep. No. 1, Res. Proj. NM 004 003, U. S. Nav. M. Res. Inst.

Harrison, W. C. United States Navy Submarine Service. U. S. Nav. M. Bull., 1938, **36:** 277–306.—**Shilling, C. W., & Kohl, J. W.** Development of the use of selection procedures for the submarine service. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 18–30.—**Submarine** service training. Hosp. Corps Q., 1945, **18:** No. 6, 49.

SUBMARINE warfare.

Baxter, J. P., III. The seesaw of submarine warfare. In his Scientists Against Time, Bost., 1946, 37–52.—**Chisholm, M.** How the U-boat gets its prey. Britain, N. Y., 1942–43, **1:** No. 6, 25–8.—**Duff, I. F.** Medical aspects of submarine warfare; the human factor as reflected in war patrol reports. Arch. Int. M., 1949, **84:** 246–60.—**Iribarren Cuartero, I.** Influyen las características raciales en la eficacia de la guerra submarina? Rev. españ. med. cir. guerra, 1942, Año 5, 355–68.—**Shilling, C. W.** Medical problems of submarine warfare. Mil. Surgeon, 1945, **96:** 223–6.—**Waldeyer-Hartz, v.** Humane Ubootkriegführung. Mil. Wbl., Berl., 1936–37, **121:** 1714.—**World** War II strikes close to our home shores. Med. Bull. (Standard Oil Co.) N. Y., 1941–42, **5:** 310–6.

—— Casualty.

See also **Neuropsychiatric casualty.**

Behnke, A. R. Psychological and psychiatric reactions in diving and in submarine warfare. Am. J. Psychiat., 1944–45, **101:** 720–5.—**Blain, D., & Powdermaker, F.** Convoy fatigue and traumatic war neuroses in seamen. J. Lancet, 1943, **63:** 402–5.—**Duff, I. F., & Shilling, C. W.** Psychiatric casualties in submarine warfare. Am. J. Psychiat., 1946–47, **103:** 607–13. Also in Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 183–98. ——— Psychiatric casualties aboard combat submarines. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 136.

SUBMERSION.

Kulesz, W. G. Underwater use of portable oxygen equipment, in escape from submerged aircraft. Air Surgeon Bull., 1945, **2:** 137.—**Walsh, M. N., & Resch, J. A.** Escape from submerged aircraft; using standard oxygen equipment. Ibid., 139.

SUBPHRENIC abscess.

See **Disease**—by organs: Abdomen.

SUBSISTANCE rate.

See under **Hospital administration.**

SUBSTITUTE.

See **Blood transfusion,** Material: Substitutes, etc.; **Food substitute.**

SUBSTRATOSPHERE.

See under **Aviation,** Stratosphere.

SUCTION apparatus.

See also **Dental instrument;** also under **Intestine.**

Arje, S. L., & Venner, R. B. Methods of obtaining suction in the field. U. S. Nav. M. Bull., 1944, **43:** 150–3.—**Aspirator** for battlefield. Mil. Surgeon, 1945, **97:** 157.—**Barker, D.** Saliva ejector saves life. Brit. Dent. J., 1942, **72:** 92.—**Brewer, L. A., III.** Portable hand-driven suction machines. Bull. U. S. Army M. Dep., 1944, No. 75, 119.—**Coleman, R. D.** A reversible Wangensteen suction apparatus adapted to a bedside stand. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 16, 22–7.—**Crisp, J. C.** Description, function and uses of the internal combustion engine suction apparatus. Mil. Surgeon, 1945, **96:** 97–9.—**Harbison, S. P.** Improvised suction box. Ibid., 1943, **92:** 547.—**Hickey, B. B.** An improvised mechanical sucker. J. R. Army M. Corps, 1944, **83:** 95.—**Küntscher, G.** Ein Sauggerät als einfacher Ersatz des Potinschen Apparates. Deut. Militärarzt, 1944, **9:** 128.—**Maitland, A. I. L., & Bright, S. C.** The provisions of surgical suction in ships. J. R. Nav. M. Serv., 1945, **31:** 32.—**Misonoo, M.** Zyūnisityō syōsokusi siyō ni yoru zyūnisityōtyūbyō, tanseki-byō oyobi ōdan no tiken rei [Experiments in the cure of ancylostomiasis, cholelithiasis, and jaundice through the use of duodenal probes] Gun idan zassi, 1930, 209–18.—**Netto, J. S.** Aspiración gastroduodenal. Rev. san. mil., Asunción, 1944, 229–38.—**Parkinson, D.** Improvising aspirating device. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 56.—**Saleh, A. H.** An improvised field suction apparatus. Brit. M. J., 1944, **2:** 726.—**Shaw, H. M.** A heavy-duty, high-capacity, portable suction pump for surgical use. U. S. Nav. M. Bull., 1946, **46:** 919.—**Stone, C. S., & Roddenbery, S. A.** Portable surgical suction apparatus. Air Surgeon Bull., 1945, **2:** 403.—**Stumm, P. W.** An easily made suction apparatus. Mil. Surgeon, 1944, **95:** 321.—**Suction** apparatus. Bull. U. S. Army M. Dep., 1945, No. 84, 32.—**Thirlby, R. L.** Improvised Wangensteen suction apparatus. U. S. Nav. M. Bull., 1944, **42:** 1419.—**Three** bottle Wangensteen, reversible [illust.] Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 16, 27.—**Varno, P. A.** [A field aspirator] Hosp. delo, 1944, No. 3, 37.—**Wachsmuth, W.** Neues mit der Hand bedienbares Sauggerät. Deut. Militärarzt, 1943, **8:** 605.—**Winfield, A. L.** An improvised continuous apparatus, suitable for pleural evacuation. J. R. Army M. Corps, 1948, **90:** 88.

SUDAN.

See under **World War II.**

SUFFOCATING gas.

See **Gas poisoning,** Asphyxiating gas.

SUICIDE.

See also **Neurosis,** Depressive state.

Bell, C. R., Bond, H. [et al.] Suicide: social, forensic, and psychological aspects. Mil. Surgeon, 1932, **71:** 399–403.—**Bingler.** Statistische Betrachtungen über den Selbstmord im Reichsheere in den Jahren 1921–29. Veröff. Heer. San., 1930, H. 84, 74–88.—**Bramanti Jáuregui, R.** El suicidio en el ejército; aspectos médico-legales. Rev. san. mil. argent., 1948, **47:** 253–8.—**Cerezo Abad, T.** El suicidio en el Ejército; estudio comparativo del suicidio en las edades de 19 a 25 años en el medio militar y en el civil; causas del suicidio en estas edades e influencia que puede tener la vida militar. Bol. med., Madr., 1935, **3:** No. 54, 2; No. 55, 5.—**Donon & Fribourg-Blanc.** Suicides chez les militaires en campagne au Maroc (janvier-septembre 1933) Bull. Soc. méd. mil. fr., 1933, **27:** 239–49.—**Farkas, L.** Az öngyilkosok mellbelövéseiről és az insolatio befolyásáról. Honvédorvos, 1911, **24:** 9–16.—**Fribourg-Blanc,**

A. La réaction suicide dans l'Armée. Paris méd., 1932, **85:** 422–7. ——— & **Scouras.** La réaction suicide chez les débiles et les déséquilibrés dans l'armée. Ann. méd. lég., 1931, **11:** 662–5.—**Hoffman, J.** The care and management of the suicidal patient. Bull. U. S. Army M. Dep., 1948, **8:** 888–91. Also Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 4, 6–9.—**Kupper, W. H.** A study of suicidal soldiers in the European Theatre after V-E day. J. Nerv. Ment. Dis., 1947, **105:** 299–303.—**Mendel, K.** Selbstmord bei Kriegsverletzten. Med. Klin., Berl., 1927, **23:** 1824.—**Milorad, F.** [Suicides in the Serbian Army] Voj. san. glasnik, 1931, **2:** 589–604.—**Minogue, S. J.** Suicides amongst returned soldiers of the 1914–18 war. Med. J. Australia, 1945, **1:** 195–200.—**Paraire, Velluz, J.** [et al.] Etude des tentatives de suicide observées au cours de l'année 1948 dans le Service de neuropsychiatrie du Val-de-Grâce. Bull. Soc. méd. mil. fr., 1949, **43:** 86–9.—**Petrâček, J.** [Suicides in the Army during 1925/6–1932/3] Voj. zdrav. listy, 1934, **10:** 207–21.—**Peyre, E. L.** Le suicide et ses aspects dans les troupes coloniales. Ann. méd. pharm. col., Par., 1936, **34:** 939–66.—**Postwar** increase in suicide. Statist. Bull. Metrop. Life Insur., 1946, **27:** No. 4, 6.—**S. Antoine, H. E.** Suicide. Med. Bull. Veterans Admin., 1932, **8:** 369–76.—**Schneider, P.** Eine besondere Form der Stanzverletzung bei Schuss aus angesetztem Militärgewehr. Beitr. gerichtl. Med., Wien., 1939, **15:** 125–7.—**Scouras, P.** Le suicide dans l'Armée. Hyg. ment., Par., 1931, **26:** 153–82.—**Simon, A.** Selbstmord und Kriegsdienst. Med. Klin., Berl., 1927, **23:** 841.—**Suicidal** (The) soldier. Bull. Army M. Dep., Lond., 1945, No. 49, 2.—**Suicide dans** l'Armée. J. méd. Bordeaux, 1935, **113:** 44–9.—**Suicide** and war. Statist. Bull. Metrop. Life Insur., 1942, **23:** No. 9, 1. Also In: Morals Wartime (Robinson, V.) N. Y., 1943: 161.—**Weatherby, F. E.** The admission of violent or suicidal patients to a military hospital. Mil. Surgeon, 1939, **84:** 486–91.—**Whitmire, C. L.** Suicidal attempts of psychotic patients. U. S. Veterans Bur. M. Bull., 1930, **6:** 309–16.—**Wuth, O.** Selbstmord und Dienstbeschädigung. Veröff. Heer. San., 1939, H. 108, 127–39. Also Deut. Militärarzt, 1940, **5:** 439 (Abstr.) Also in Arzt i. d. Wehrmachtversorg (Heinemann-Grüder, C.) Dresd., 1942, 302–13; 2. Aufl., Dresd., 1944, 352–63.

SUIT.

See also **Clothing; Pressure suit; Stratosphere.**

MARGOLIS, S. I. Field trial of an exposure suit for shipboard use. 7p. 27cm. Bethesda, 1946.

Forms Rep. No. 10, Res. Proj. X–189, U. S. Nav. M. Res. Inst.

Darling, R. C., Johnson, R. E. [et al.] Suits, impermeable, protective. Clin. Invest. Rep. (OSRD) Wash., 1943, No. 20, 1.

SULFATE.

See under **Sulfur.**

SULFATHIAZOLE.

See with **Sulfonamide**; also **Burns,** Treatment: Local remedies; **Gonorrhea** subheadings (Control; Prevention)

SULFONAMIDE.

See also **Drug supply; Sulfonamide therapy.**

Deltombe, J. Les sulfamides. Arch. Serv. san. Armée belge, 1946, **99:** 1–20.—**Maimind, S.** Sulfamidy. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 363–73.—**Necati Tanyolac** [Constitution and dosage of 2-(P-aminophenyl sulphamido-4-methylthiazol) (Ultraseptyl)] Askeri sihhiye mecmuasi, 1941, **70:** 105–8.—**Neurauter, R., Wolf, J.** [et al.] Sulpha drugs. CIOS Rep., Lond., 1945, Item 24, No. XXXII–47, 131–3.—**Salas Martínez, M. C. M.** Sulfatiazol; breve resena histórica. Rev. Esc. méd. mil., Méx., 1944, **3:** No. 16, 13–25.—**Schönhöfer, Hörlein & Lutter.** Sulfa drugs. CIOS Rep., Lond., 1945, Item 24, No. XXV–54, 9–20.

—— Antagonists.

PFEIFFER, C. C., & GRANT, C. W. The procaine-sulfonamide antagonism; an evaluation of local anesthetics for use with sulfonamide therapy. 12p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–181, U. S. Nav. M. Res. Inst.

Inhibition by procaine of therapeutic action of sulfonamides applied locally. Bumed News Lett., Wash., 1944, **4:** No. 3, 14.—**Sulphonamides** neutralised by procaine. Bull. Army M. Dep., Lond., 1943, No. 28, 8.

—— Detection, and estimation.

WADE, B. G., & SMITH, P. K. Some proposed tests for sulfonamides in urine. 13p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 143, U. S. Air Force School Aviat. M.

Bogen, E. Sulfonamiduria; a simple test for its detection. U. S. Nav. M. Bull., 1943, **41:** 1135–8.—**Deutsch, E.** Ueber die Bestimmung, Verteilung und Ausscheidung des Albucid (Paraaminobenzolsulfonacetylamid) beim Menschen. Bull. War M., Lond., 1942–43, **3:** 290 (Abstr.)—**E., J. J.** Conversion factors for sulfonamides. Bumed News Lett., Wash., 1943, **1:** No. 5, 4.—**Engelfried, J. J.** Determination of sulfonamides; a modified field procedure. U. S. Nav. M. Bull., 1943, **41:** 1439–44.—**Has** this patient had sulphonamide? Bull. Army M. Dep., Lond., 1944, No. 35, 4.—**Hubata, R.** A simple rapid test for detection of sulfonamide compounds in urine; a preliminary report. War Med., Chic., 1944, **5:** 56.—**McDonald, S., O'Brien, J. R. P., & Stanier, M. W.** Estimation of sulphonamide compounds in blood by the Lovibond comparator. J. R. Army M. Corps, 1942, **79:** 25–9.—**Saifer, A.** Rapid method for determination of blood sulfonamides. Bull. U. S. Army M. Dep., 1945, **4:** 610–2.—**Schlenker, F. S.** Sulfosalicylic acid blood filtrate and the determination of sulfathiazole and sulfanilamide and sulfadiazine. Mil. Surgeon, 1944, **95:** 502–5.

—— Pharmacology.

SMITH, P. K. Effect of sulfonamide drugs on anoxia tolerance; effect of therapeutic courses of sulfathiazole and sulfadiazine. 12p. 27cm. Randolph Field, 1943.

Forms Rep. No. 2, Proj. No. 76, U. S. Air Force School Aviat. M.

WADE, B. G., & SMITH, P. K. Some pharmacological properties of sulfamerizine and sulfamethazine. 11p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 188, U. S. Air Force School Aviat. M.

Cavaniglia, A. Sulla presenza dello streptosiltiazolo nell'umore acqueo del coniglio. Gior. med. mil., 1941, **89:** 935–7.—**Concentration** of sulfanilamide in the aqueous humor of the human eyes. U. S. Nav. M. Bull., 1941, **39:** 574.—**Gault, P. S.** The pharmacology of sulfanilamide. Ibid., 1939, **37:** 112–4.—**Gebhardt & Fischer, F.** Special test of sulfonamide effects. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 46.—**Gramenicky, M. A.** K voprosu o vlijanii belogo streptocida na organizm čeloveka v uslovijakh ponižennogo atmosfernogo davlenija. Voen. san. delo, 1941, 75–7.—**Grundland.** Contribution à l'étude du mécanisme d'action thérapeutique des sulfamides; pouvoir décalcifiant des sulfamides. Bull. Soc. méd. mil. fr., 1945, **39:** 224–6.—**Kimmig, J., & Weselmann, H.** Die Bindungsverhältnisse zwischen Bluteiweisskörper und Sulfonamiden. Bull. War M., Lond., 1942–43, **3:** 405 (Abstr.)—**McIntyre, W. P. E.** Effects of prontosil on the blood. J. R. Nav. M. Serv., 1938, **24:** 321.—**Meister, W., & Hestermann, W.** Effect of sulfanilamide and its derivatives on fitness for high altitude flying. War Med., Chic., 1942, **2:** 370 (Abstr.)—**Peterson, E. W., Bornstein, M. B., & Jasper, H. H.** Effect of sulfathiazole on persons subjected to simulated altitude. Ibid., 1945, **7:** 29–31.—**Schmith, K.** Experimental chemotherapeutic studies; preliminary communication. Bull. War M., Lond., 1941–42, **2:** 142 (Abstr.)—**Tempel, C. W.** The clinical use of the sulfamido compounds; mode of action of sulfanilamide and related compounds. Army M. Bull., 1941, **56:** 19–33.

—— Pharmacology: Antibacterial and antimicrobic effect.

See also subheading (Resistance of bacteria)

WOLF, F. T. The action of sulfonamides on certain fungi pathogenic to man. 7p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 346, U. S. Air Force School Aviat. M.

Hirsch, J. Studien über die mikrobiologischen Grundlagen der Sulfanilamid-Therapie. Bull. War M., Lond., 1942–43, **3:** 460 (Abstr.)—**Hsiä Yü Djin.** The mode of action of albucid on streptococci in vitro and experimentally in vivo. Ibid., 1941–42, **2:** 318 (Abstr.)—**Jensen, K. A., & Schmith, K.** Zusammenhänge zwischen chemischer Konstitution und bakteriostatischer Wirkung bei Sulfonamiden. Ibid., 1942–43, **3:** 638 (Abstr.)—**Legroux, R., & Nitti, F.** Laboratornye issledovanija antibakterialnoj aktivnosti paraaminofenilsulfamida (1162 F) In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 217–21.—**Reed, G. B., & Orr, J. H.** Phagocytosis by leukocytes in concentrated solutions of sulfanilamide and four derivatives. War Med., Chic., 1942, **2:** 639–45.—**Schreus, H. T.** Wirkungsmechanismus von Sulfanilen bei Gasbranderregern. Bull. War M., Lond., 1942–43, **3:** 190 (Abstr.)—**Stickl, O., & Gärtner, K.** Untersuchungen über die Wirksamkeit von Sulfonamiden auf die normale und pathogene Darmbakterienflora. Ibid., 345 (Abstr.)

—— Preparations.

Angevine, D. M. Absorption and excretion of sulfonamide compounds suspended in oil; observations on animals and on patients with chronic osteomyelitis. War Med., Chic., 1943, **3:** 186–93.—**Carrón, R. F.** Contribución al estudio de la sulfa-

piridina; nuevo compuesto soluble, 693 M. y B. Rev. san. mil., B. Air., 1940, **39**: 153–9.—**Castilho, V. P.** Síntese das sulfanilamidas. Arq. brasil. med. nav., 1944, **5**: 553–67.—**Cronkite, E. P., Deaver, J. M., & Dunn, W. W.** Preparation and uses of a 6-percent sulfanilamide ointment. U. S. Nav. M. Bull., 1944, **42**: 1407–9.—**Hecht, G.** Tibatin. CIOS Rep. Lond., 1945, Item 24, No. XXV–54, 14.—**Hiehle, W. W.** The use of sulfonamide mixture. Bull. U. S. Army M. Dep., 1949, **9**: 375–83.—**Individual** packages of sulfanilamide tablets for military personnel. Mil. Surgeon, 1942, **90**: 457.—**Keyser, E.** Vergleichende Versuche ueber Resorption und Ausscheidung von Eubasinum, Albucid und Globucid. Bull. War M., Lond., 1942–43, **3**: 40 (Abstr.)—**Klarer, J.** The chemical constitution of marfanil, mesudin. Ibid., 1941–42, **2**: 505 (Abstr.)—**Lenz.** Tibatin. CIOS Rep., Lond., 1944, Item 24, No. X–14 & XII–23, 21.—**Recommended** pronunciation of the sulfonamide drugs. U. S. Nav. M. Bull., 1942, **40**: 994.—**Schönhöfer, Mietzsch** [et al.] Sulfonamides and sulfones. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 12–22. ——— Sulfathiazole, eleudron, production 5 tons/mo. Ibid., 15–7. ——— Acetylamine-benzyl sulfone chloride. Ibid., 17. ——— Badional. Ibid., 20–2.

—— Resistance of bacteria.

See also subheading (Pharmacology: Antibacterial and antimicrobic effect.

Ayres, W. W. Observations on the growth of Entamoeba histolytica in media containing sulfathiazole; preliminary report. U. S. Nav. M. Bull., 1943, **41**: 714–6.—**Boroff, D. A.** Relation of antisulfonamide action of serum to resistance to sulfonamide therapy. Bull. U. S. Army M. Dep., 1944, No. 78, 111–3.—**Shott, K. V.** Sulfonamide resistance tests performed at Kearns, Utah, 23 February, 1945 to 1 September, 1945. News Lett. AAF. Rheumat. Fever Control, 1945, **2**: No. 10, 20–4.—**Sulfonamide** fastness. U. S. Nav. M. Bull., 1943, **41**: 1165.—**Sulfonamide** resistance and sulfonamide prophylaxis. Bumed News Lett., Wash., 1945, **5**: No. 8, 5–9.—**Young, D. C., Breese, R. B.** [et al.] Sulfadiazine resistant strains of beta hemolytic streptococci; appearance during the course of sulfadiazine prophylaxis at a large naval training center. J. Am. M. Ass. 1945, **129**: 921–7.

—— Sterilization.

García Porras-Pita, A. La esterilización de las sulfadrogas; procedimientos aplicados a las distintas formas que preparamos; otras técnicas y una prueba de esterilidad. Rev. san. mil., Habana, 1944, **8**: 151–7.—**McClintock, L. A., & Goodale, R. H.** A sterilization process for powdered sulfonamides. U. S. Nav. M. Bull., 1943, **41**: 1360–4.—**Sterilization** of sulphanilamide powder. Bull. Army M. Dep., Lond., 1942, No. 18, 8. Also Bull. War M., Lond., 1942–43, **3**: 361. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 31.

—— Synergists.

Hirsch, J. Der Sulphanilamideffekt von Verbindungen ohne Sulfogruppe. Bull. War M., Lond., 1942–43, **3**: 461 (Abstr.)—**Oelkers, H. A., & Wanowius, E.** Giftigkeitssteigerung von Arzneimitteln durch Sulfonamide. Ibid., 292 (Abstr.)—**Synergism** of penicillin and sulfonamides. Bumed News Lett., Wash., 1944, **4**: No. 7, 20.

—— Toxicity.

Arneth, J. Nekrosen bei intramuskulärer Eubasinum-(Sulfapyridin-) Anwendung. Bull. War M., Lond., 1942–43, **3**: 405 (Abstr.)—**Brodkin, M. F.** Toxic reactions following use of sulfathiazole. Med. Bull. Veterans Admin., 1942–43, **19**: 71–4.—**Dangerous** half measures with sulphonamides. Bull. Army M. Dep., Lond., 1944, No. 33, 3.—**Duensing, F.** Ueber die Gefahren der intralumbalen Injektion von Eubasinum. Bull. War M., Lond., 1942–43, **3**: 406 (Abstr.)—**Frist, T. F.** Reactions to sulfonamide compounds; a review of 186 cases. War Med., Chic., 1944, **5**: 150–4.—**Green, R. C., & Steckel, M. L.** Sulfonamide readministration with unusual reactions. Mil. Surgeon, 1943, **93**: 63–6. ——— & **Michener, J. M.** A different concept of reactions following sulfathiazole readministration. Ibid., 399–405.—**Hege, R. W.** Sulfanilamide therapy; report of a new type of reaction. U. S. Nav. M. Bull., 1941, **39**: 114–6.—**Högler, F., & Loibl, K.** Ueber das Prontosilfieber. Bull. War M., Lond., 1942–43, **3**: 461 (Abstr.)—**Hollender, M. H.** Sulfadiazine reaction. Air Surgeon Bull., 1945, **2**: 111.—**Lagleyze, G.** Algunas complicaciones en tratamientos por las sulfanilamidas. Rev. san. mil., B. Air., 1941, **40**: 723–5.—**Long, P. H.** Toxic manifestations of sulfonamide compounds. Med. Bull. North Afr. Theater U. S., 1944, **2**: 120–2.—**Opizzi, J.** Fibrilación auricular por el sulfatiazol en la estréchez mitral. Rev. san. mil., B. Air., 1943, **42**: 105–7.—**Ravdin, I. S., & Norfleet, C. M.,** jr. The danger of sulfadiazine in the tropics. Bull. U. S. Army M. Dep., 1943, No. 70, 1. ——— A note on the dangers of sulfadiazine in this theatre. Field M. Bull. U. S. Army, N. Delhi, 1943, **3**: 65–7.—**Svartz, N., & Kallner, S.** Investigations of secondary effects in treatment with sulphonamide compounds. Bull. War M., Lond., 1941–42, **2**: 141 (Abstr.)—**Toxic** effect of sulphathiazole. Bull. Army M. Dep., Lond., 1942, No. 18, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 64.—**Walker, J. E., & Gunther, L.** Sulfathiazole fever. U. S. Nav. M. Bull., 1943, **41**: 199–205.—**Weeden, W. M., & Rothfeld, S. H.** Sulfonamide reactions; 3 case reports. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 102–5.—**Williams, T. H.** Sulpha granuloma, a new pathological entity. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 7, 5–9.—**Woodbury, B. C.** Outline of the pathogenetic action of sulfadiazine; based upon the report of Col. Russell V. Lee, M. C., U. S. Army; with comments and conclusions. J. Am. Inst. Homeop., 1945, **38**: 359–61.

—— Toxicity: Allergy.

Bingham, C. T. Skin sensitization produced by local application of sulfonamides. U. S. Nav. M. Bull., 1944, **42**: 680–3.—**Control** of sulfonamide reactions. Air Surgeon Bull., 1944, **1**: No. 12, 9–11.—**Fox, F. E., & Schiller, A. A.** Skin pigmentation following sulfonamide therapy; report of a case. U. S. Nav. M. Bull., 1944, **42**: 923–8.—**Hirschfeld, H.** Sulfonamide patch tests. Ibid., 1287.—**Lascalea, M. C., & Bonetti, R.** Hipersensibilidad sulfamídica. Rev. san. mil., B. Air., 1945, **44**: 1165–74.—**Macintyre, D. A., Yarington, C. T.** [et al.] Case of sulfonamide reaction. U. S. Nav. M. Bull., 1944, **43**: 355.—**Pratt, S. W.** Two cases of light sensitization due to sulphanilamide used in the treatment of gonorrhoea. J. R. Nav. M. Serv., 1941, **27**: 69.—**Rachou & Cornichet.** Phénomènes d'intolérance au sulfamides. Bull. Soc. méd. mil. fr., 1949, **43**: 109.—**Sulphonamide-acridine** sensitisation. Bull. Army M. Dep., Lond., 1945, No. 47, 5.—**Sulphonamides** on skins; a caution. Ibid., 1943, No. 29, 3.—**Zanfagna, P. E.** Bronchial asthma due to sulfathiazole. Bull. U. S. Army M. Dep., 1945, No. 84, 117–9.—**Zeiher.** Schweres Arzneiexanthem nach Uliron. Deut. Militärarzt, 1939, **4**: 268.

—— Toxicity: Hematological effect.

Brillinger, H. R. A case of delayed thrombopenic purpura following sulfathiazole therapy. J. Canad. M. Serv., 1943–44, **1**: 324–8.—**Harries, C. V.** Generalized purpura following sulphapyridine. J. R. Nav. M. Serv., 1942, **28**: 287.—**Johnson, H. A.** Acute hemolytic anemia following the intraperitoneal administration of sulfanilamide; report of a case. U. S. Nav. M. Bull., 1947, **47**: 877–9.—**Southwell-Sander, G. H.** Anaemia and agranulocytosis during sulphanilamide therapy. J. R. Nav. M. Serv., 1938, **24**: 107–12.

—— Toxicity: Neural effect.

Keil, F. C. Sulpha drugs and dark adaptation. 5p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 91, U. S. Air Force School Aviat. M.

Rowland, L. S. Sulfa drugs and dark adaptation. 5p. 27cm. Randolph Field, 1942.
Forms Rep. No. 2 of preceding project.

—— The effect of sulfathiazole and sulfadiazine on visual fields, ocular motility, and depth perception. 3 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 99, U. S. Air Force School Aviat. M.

Skalweit, W. Ueber Sulfonamidschäden am Nervensystem. MS. 31p. 30cm. Rostock, 1945.

—— [The same] Nachtrag zum Erfahrungsbericht. MS. vi p. 30cm. Rostock, 1945.

Barbieri, P. Las sulfonamidas y el sistema nervioso. Rev. san. mil., B. Air., 1942, **41**: 123.—**Bonnet, G. F.** Action psychosensorielle des sulfamides chez les aviateurs. Bull. War M., Lond., 1942–43, **3**: 412 (Abstr.)—**Boruchowicz, L.** Psychozy posulfamidowe. Lek. wojsk., 1943–44, **35**: 255–9.—**Hagemann & Richter.** Nervenlähmung nach eigenmächtiger Uliron-Einnahme. Deut. Militärarzt, 1938, **3**: 494–6.—**Hogan, B. W., & McNamara, P. J.** Psychosis precipitated by sulfanilamide. U. S. Nav. M. Bull., 1938, **36**: 60.—**Olascoaga, M. L., & Puzzi, E. A.** Meningoradiculitis por sulfadrogas intraraquídeas. Rev. san. mil., B. Air., 1946, **45**: 760–5.—**Puhr, L.** Zur Frage der neurotoxischen Wirkung der Sulfanilamidderivate. Bull. War M., Lond., 1942–43, **3**: 293 (Abstr.)—**Shargorodsky, L. J., Gordon, J. J., & Ratner, B. I.** [Effect of streptocide on the nervous system] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 366–74.—**Sulphonamides** and nervous tissue; a warning. Bull. Army M. Dep., Lond., 1943, No. 19, 11. Also Bull. War M., Lond., 1942–43, **3**: 499 (Abstr.)—**Topham, L. G.** A case of wasting of the small muscles of the hand due to a toxic neuritis following sulphonamide treatment. J. R. Nav. M. Serv., 1947, **33**: 115–7.

—— Toxicity: Renal effect.

Bennett, J. T., & Ware, R. L. Sulfanilamide poisoning; acute hemolytic anemia. U. S. Nav. M. Bull., 1941, **39**: 119–22.—**Brown, W.** Sulfadiazine crystals retained in kidneys. Bull. U. S. Army M. Dep., 1944, No. 74, 121.—**Clark, A. P. C.** A case of sulphapyridine poisoning with renal complications. J. R. Nav. M. Serv., 1944, **30**: 50.—**Enger, R., & Wendel, H.** Nierenschädigung nach Sulfapyridinanwendung; mit einem Beitrag zur Anuriebehandlung. Bull. War M., Lond., 1942–43,

3: 229 (Abstr.)—**González, R.** Anuria por sulfopiridina; decapsulación; pieloureterostomía; curación. Rev. san. mil., B. Air., 1941, 40: 1041–6.—**Martin, N. H., & Agar, H.** Haematuria during sulphapyridine administration. J. R. Army M. Corps, 1943, 80: 42–4.—**Meleck, S.** Anuria following sulphadiazine therapy treated by decapsulation of kidney and pyelostomy. J. R. Nav. M. Serv., 1946, 32: 48.—**Morvan, A.** Néphrite aiguë post-sulfamidothérapique avec oligurie extrême; traitement par novocaïne intraveineuse; guérison. Rev. méd. nav., Par., 1946, 1: 295–9.—**Murley, R. S.** Acute fulminating haemolytic syndrome, fat necrosis of the liver and acute necrotizing nephrosis following sulphanilamide therapy. J. R. Army M. Corps, 1943, 80: 182–98.—**Nagel, S. A., & Weiner, D. O.** Anuria caused by sulfadiazine crystallization; report of a case. Mil. Surgeon, 1943, 94: 478.—**Nicholson, J. C., & Hill, L. C.** Anuria following sulpha-pyridine therapy. J. R. Army M. Corps, 1942, 79: 49.—**Nicoll, J. A. V.** Sulphonamide anuria. Ibid., 1947, 89: 135–8.—**Russell, H. K.** Acute hemolytic anemia associated with leukemoid reaction following administration of sulfanilamide. U. S. Nav. M. Bull., 1934, 41: 1399–401.—**Smiley, L. V.** Suppression of urine complicating sulfadiazine therapy. Ibid., 1945, 44: 328–32.—**Storey, C. F., & Fowler, J. A.** Sulfadiazine anuria, its relief by bilateral renal decapsulation and nephrostomy. Ibid., 1948, 48: 448–54.—**Strohmenger, W. L.** Generalized eczematoid dermatitis, angioneurotic edema, and anuria from sulfathiazole. Ibid., 1943, 41: 825–8.—**Sulphonamide** drugs; danger of anuria. Bull. Army M. Dir., Lond., 1941, No. 6, 1. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 63.—**Whitehead, N. T.** Pathological evidence as to the causation of haematuria following sulphapyridine therapy. J. R. Army M. Corps, 1941, 77: 145–8.—**Wong, I. K., & Ching, D.** Sulfapyridine stone; report of a case. Bull. War M., Lond., 1941–42, 2: 508 (Abstr.)

SULFONAMIDE therapy.

See also **Sulfonamide**; also under names of treated diseases.

Amendments to the memorandum concerning the use of sulphonamide derivatives. J. R. Army M. Corps, 1940, 75: 377.—**Bell, R. A.** Sulfanilamide and chemotherapy; a supplementary report. U. S. Nav. M. Bull., 1939, 37: 73–112.—**Directive** which may be used in the instruction of hospital corpsmen for independent duty, for gun crews on merchant ships and for other personnel in whom the use of sulfonamides may be required in the absence of trained medical personnel. Bumed News Lett., Wash., 1943, 1: No. 8, 9–11.—**Flannery, M. G.** Sulfonamides, use of sulfonamides in the Army. J. Missouri M. Ass., 1944, 41: 28.—**Genuit.** Experimentelle Grundlagen der Sulfonamidtherapie. Aerztl. Feldpost., 1945, No. 3, 1–4.—**Hayden, R.** Use of sulfonamides in war. J. M. Soc. Co. New York, 1942, 1: No. 30, 6–8.—**Krueger, R.** Sulfonamide an der Front. Deut. med. Wschr., 1943, 69: 417–20.—**Lloyd Tyson, T.** Medicamentos nuevos; la terapia moderna; sulfapiridina. Rev. méd. mil., Méx., 1939–40, 2: No. 11, 41–52.—**Long, P. H.** Laboratory procedure to be used in following patients who are receiving sulfonamide compounds. Minutes Chemother. (NRC) Wash., 1941, 1–5.—**Matuska, W. H.** The sulfonamides in military medicine. Kentucky M. J., 1943, 41: 234–9.—**Mohler, H. K.** The therapeutic use of sulfanilamide and related compounds. Mil. Surgeon, 1941, 88: 473–86. Also Spanish transl., Rev. san. mil., B. Air., 1941, 40: 659–62.—**Normas** para el empleo de las sulfamidas y sus derivados. Ibid., 1943, 42: 357–64.—**Piédrola Gil, G.** Sulfamidas; su aplicación en el Ejército. Rev. españ. med. cir. guerra, 1941, 417–27. Also Bol. Dir. serv. saúde mil., 1942, 5: 71–82.—**Prophylactic** (The) and therapeutic use of the sulphonamides in war-time. Practitioner, Lond., 1940, 144: 203.—**Sulphonamides,** the medical practitioner and the war. Med. J. Australia, 1942, 2: 211.—**Use** of sulfonamide drugs in field units. In: Prev. Med. in World War II, Wash., 1948, 6: 51.—**Van Ravenswaay, M. C.** Use of sulfonamides in the Army. J. Missouri M. Ass., 1944, 41: 29.—**Whitby, L. E. H.** Sulphonamide drugs in war. Brit. M. J., 1942, 2: 731.

—— Administration.

Castillo, J. L. Inyección de sulfanilamidas en cámara anterior. Rev. san. mil., B. Air., 1944, 43: 1111–4.—**Galli, L. A., & Imbert, M. A.** Nebulización de sulfamidas en otorrinolaringología. Ibid., 1942, 41: 100–6.—**Kuhlendahl, H.** Endolumbale Behandlung mit Sulfonamiden; unter besonderer Berücksichtigung von Sulfamidopyridinschäden. Deut. Militärarzt, 1942, 7: 626–40.—**Milles, G.** Advantages and limitations of intravenous sodium sulfathiazole. U. S. Nav. M. Bull., 1944, 42: 1283–7.

—— Administration, local.

Pfeiffer, C. C. A study of the salivary sulfonamide levels when paraffin and chicle are used as vehicles. 8p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X-304, U. S. Nav. M. Res. Inst.

Cullinan, J. F. Sulfathiazole iontophoresis; a new method of application. Med. Bull. Veterans Admin., 1943–44, 20: 328.—**Local** use of sulphonamides. Bull. Army M. Dep., Lond., 1945, No. 47, 5–7.—**Pfeiffer, C. C., & Holland, H. L.** Salivary sulfonamide levels after chewing paraffin and chicle vehicles. U. S. Nav. M. Bull., 1945, 44: 695–9.—**Ritter, A.** Beitrag zur Kenntnis der Wirkung der lokalen Sulfonamidanwendung auf das Wundgewebe. Vjschr. schweiz. Sanitätsoff., 1945, 22: 76–80.

—— Dosage.

Campbell, P. A. Possible effects of small daily doses of sulfadiazine on flying personnel. 40p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 293, U. S. Air Force School Aviat. M.

Gallup, B. N. Absorption and excretion of single doses of sulfathiazole, sulfadiazine and sulfapyrazine. 15p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 105, U. S. Air Force School Aviat. M.

Smith, P. K. Blood and plasma levels of sulfadiazine after daily doses of one gram and after single doses of two grams. 6p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 366, U. S. Air Force School Aviat. M.

Soehring. Dosierung der Sulfonamidpräparate. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 48–51.

—— Evaluation.

Bell, R. A. Sulfanilamide and related products; supplemental report on chemotherapy. U. S. Nav. M. Bull., 1941, 39: 81–108.—**Bryant, J., & Fairman, H. D.** Field experiences with the sulphanilamide group of drugs in the Southern Sudan. Tr. R. Soc. Trop. M. Hyg., Lond., 1940–41, 34: 117–38.—**Hall, W. W.** The present status of the sulfonamides. Mil. Surgeon, 1945, 96: 457–60.—**Lyons, C.** The re-evaluation of sulfa drugs. Bull. U. S. Army M. Dep., 1944, No. 72, 34–40. Also Mil. Surgeon, 1944, 95: 301–4.—**Mergelsberg.** Weitere Erfahrungen mit der kombinierten Ulirontherapie. Deut. Militärarzt, 1939, 4: 373.—**Norbury, F. G.** Sulfanilamide and future medical military statistics. Mil. Surgeon, 1940, 85: 57–65.—**Sulfadiazine** in military surgery and medicine. Bull. Lederle Lab., 1944, 12: 31, &c.—**War** office memorandum on sulphonamide derivatives. Brit. M. J., 1940, 2: 209.—[**War** Office] Memorandum concerning the use of sulphonamide derivatives. J. R. Army M. Corps, 1940, 75: 172–7.

—— Indications.

See also **Anoxia,** Prevention; **Burns,** Treatment: Local remedies; **Dermatology,** Therapeutics; **Dysentery,** Treatment: Chemotherapy; **Ear,** Inflammation; **Gonorrhea,** Treatment: Chemotherapy; **Pneumonia,** Treatment: Sulfonamides; **Respiratory system,** Disease: Control; **Therapeutics,** Chemotherapy; **Wound,** Treatment: Sulfonamides.

Clarke, L. B., & Beamish, D. W. Treatment of gonorrhoea and soft chancre in Egypt by sulphonamide; with a note on the blood picture. J. R. Army M. Corps, 1939, 73: 96–105.—**Dental** uses of sulphanilamide. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 24.—**Lazzaro, F.** La terapia sulfamidica associata in stomatologia. Gior. med. mil., 1943, 91: 297–302.—**Peresson, A.** I sulfamidici nella stomatologia. Ibid., 207–12.—**Quadro** comparativo das indicações dos compostos sulfanilamídicos. Rev. med. mil., Rio, 1942, 31: 209–12.—**Thelème, J.** Sulfamides et affections bucco-dentaires. Caducée, Port-au-Prince, 1947, No. 28, 8; No. 30, 7.

—— Indications: Infections.

United States. War Department. Technical bulletin MED 172, Change 1: Treatment of infectious diseases with sulfonamide drugs. 2p. 26cm. Wash., 1946.

Brewer, K. A., & Campbell, E. P. Sulfanilamide in the treatment of infectious diseases. Mil. Surgeon, 1938, 83: 50–63.—**Haerem, A. T.** The treatment of measles and mumps with 3 well known sulfonamides. Ibid., 1943, 92: 306–9.—**Hegler.** Sulfonamidbehandlung von Infektionskrankheiten. Veröff. Marine San., 1942, H. 34, 160–72. Also Deut. med. Wschr., 1944, 70: 48.—**Markoff, N.** Die Behandlung akuter Infektionskrankheiten mit Irgamid (G. 290.) Bull. War M., Lond., 1942–43, 3: 296 (Abstr.)—**Schulz-Utermöhl, H.** Zur Wirksamkeit der Sulfonamide bei chronischen Eiterungen. Deut. Militärarzt, 1943, 8: 512–5.—**Treatment** of infectious diseases with sulfonamide drugs. Bull. U. S. Army M. Dep., 1945, 4: 309–12.

—— Indications, medical.

Great Britain. Privy Council. Medical Research Council. War memorandum No. 10: The medical use of sulphonamides. 46p. 24½cm. Lond., 1943.

Hawking, F., & Green, F. H. K. The medical use of sulphonamides. 2. ed. 71p. 24½cm. Lond., 1945.

Forms No. 10, War Mem. Med. Res. Counc. Privy Counc. Gt Britain.

Thrower, W. R. Sulphonamides in general medicine. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 2: 498–501.

—— Indications: Otorhinolaryngology, and ophthalmology.

Chiara, G. Contributo allo studio sulla sulfamidoterapia in otorinolaringoiatria con particolare riguardo alle otomastoiditi. Gior. med. mil., 1942, **90:** 207–17.—**King, J. H.,** jr. Sodium sulfacetimide in ophthalmology. Bull. U. S. Army M. Dep., 1947, **7:** 814.—**Moritz, W., & Gärtner, K.** Ueber die Möglichkeiten der Sulfonamidtherapie in der Hals-, Nasen- und Ohrenheilkunde; nach Erfahrungen in einem Feldlazarett. Deut. Militärarzt, 1942, **7:** 614; 703.—**Villiers y Rodriguez, J. M. de.** Breve estudio de los compuestos sulfanilamídicos y sus aplicaciones en otorrinolaringología. Rev. san. mil., Habana, 1942, **6:** 238–51.

—— Indications: Surgery.

Barbey, H. A propos des sulfamides et de leur application en chirurgie de guerre. Militärsanität, Zür., 1943, **25:** 40; passim.—**Brunner, W.** Ueber die ersten Versuche der Behandlung chirurgischer Infektionen mit Sulfamidothiazol (Cibazol) Bull. War M., Lond., 1942–43, **3:** 172 (Abstr.)—**Bryce, D. A., & Wieder, S. W.** La sulfadiazina en la cirugía y medicina militar. Rev. méd. peru., 1945, **18:** 13–22.—**Domanig, E.** Zur Stellung der Sulfonamide in der Chirurgie. Bull. War M., Lond., 1942–43, **3:** 171 (Abstr.)—**Gómez Durán, M.** Estado actual del problema de las sulfamidas en cirugía de guerra. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 515–65.—**Kemâl Oke.** Sülfamitlerle şimiyoterapi ve şirürji. Askerî sihhiye mecmuası, 1944, **73:** No. 43, 16–24.—**Killian.** Erfahrungen mit den Sulfonamiden in der Frontchirurgie. Deut. med. Wschr., 1943, **69:** 842. Also Zbl. Chir., 1943, **70:** 1628.—**Major, H.** Die Anwendung von Sulfathiazol in der Kriegschirurgie. Bull. War M., Lond., 1942–43, **3:** 422 (Abstr.)—**Montemartini, G., & Bazzocchi, G.** La terapia locale piridinsulfamidica nella chirurgia settica di guerra. Atti Soc. romana chir., 1941, **3:** 505–8.—**Sauvé, L.** Les sulfamides en chirurgie de guerre. Bull. Serv. san., Par., 1944, **2:** 343–8.—**Spickerman, H. D.** Sulfanilamide in septic surgery. Med. Bull. Veterans Admin., 1938–39, **15:** 21–3.—**Thrower, W. R.** Sulphonamides in surgery. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2:** 494–7.—**Use** (The) of sulfonamides in first aid. U. S. Nav. M. Bull., 1942, **40:** 725.

—— Prophylactic use.

Eckles, L. E., & Weckstein, A. M. Leukocyte counts in white and Negro recruits on sulfadiazine prophylaxis; a comparative study. U. S. Nav. M. Bull., 1945, **45:** 80–2.—**Gooch, J. O., & Gorby, A. L.** The use of sulfathiazole as a prophylactic agent. Mil. Surgeon, 1944, **94:** 339–44.—**Prophylactic** (The) and therapeutic use of the sulphonamides in war time. In: Essentials Mod. Chemother. (Rolleston, H. D.) Lond., 1941, 85–8.—**Prophylactic** use of the sulfonamides. Air Surgeon Bull., 1944, **1:** No. 9, 5–7.

—— Veterinary use.

Bryan, A. H. The experimental use of sulfadiazine in veterinary practice. Army Vet. Bull., 1943, **37:** 34–45.—**Hignett, S. L.** Sulphanilamide in the treatment of equine diseases. J. R. Army Vet. Corps, 1940–41, **12:** 3–16.—**Hulûsi Nartman** [Use of prontosil for animals and its results] Askerî tibbi baytarî mecmuası, 1937, **15:** 206–33, ch.—**Ileri, A.** Veteriner hekimlikte kullanılan sulphonamide' ler mikdarları ve verilış usülleri [Use of sulphamides in veterinary medicine] Askerî vet. mecmuası, 1948, **26:** 160–79.—**Jones, T. C., & Shipley, W. D.** Dosage of sulfanilamide and sulfapyridine in horses. Army Vet. Bull., 1943, **37:** 1–11.—**Silva, E.** Prontosil em veterinaria; experiencias feitas pela primeira vez. Rev. mil. med. vet., Rio, 1939, **2:** 1385–401.—**Zyūi-geka ryōiki ni okeru sulfonamido-zai Zonal no ōyō kati** [The value of the sulfonamide preparation, Zonal, for use in the field of veterinarian surgery] Rikugun zyūidan hō, 1942, 692–6.

SULFONATED oil.

See under **Burns,** Treatment: Local remedies.

SULFUR [and compounds]

White, W. A., jr, & Consolazio, W. V. Tests of the cathartic action of sulfates in the amounts contained in sea water desalinated by the use of the AN briquette (original Army-Navy Board Specifications) and the use of the SR briquette recommended by the Army Air Forces Board. 7p. 26½cm. Bethesda, 1944.

Forms Rep. No. 7, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Boldyrev, T. E. Hydrogen sulfide as a disinfectant and insecticide. Bull. War M., Lond., 1942–43, **3:** 181 (Abstr.)—**Di Maggio, G.** Lo zolfo in biologia ed in farmacodinamia. Gior. med. mil., 1948, **95:** 300–11.—**Felton, R. L.** Six cases of chemical bronchitis due to irritant smoke (sulfur trioxide) Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 68.—**Lindeman, W.** [The toxic properties of sulphur compounds] Lek. wojsk., 1928, **11:** 259–67.—**Rey, J. F. M. A.** Le métabolisme du soufre. Rev. Serv. san. mil., Par., 1939, **111:** 493–514.—**Rivas Goday, S., & Alvarez Calatayud, S.** Determinación cromato-yodimétrica de sulfatos. Bol. farm. mil., Madr., 1934, **12:** 361–4.—**Schiavone, E. L.** Determinación expeditiva de sulfatos en agua. Rev. san. mil., B. Air., 1945, **44:** 1012–24.—**Sevket Artamli** [The sulphur in the organism] Askerî sihhiye mecmuası, 1940, **69:** 135–7.—**Tests** of the cathartic action of sulfates in the amounts contained in sea water desalinated by the use of the AN briquette and the use of the SR briquette. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 6.—**Vokoun, F. J.** New uses of sulphur in medicine. Mil. Surgeon, 1931, **69:** 304.

SULFURASE.

Saunders, J. P., & Himwich, W. A. The extraction of a transsulfurase from whole liver by a mild extraction process. 9p. 27cm. Army Chem. Center, 1948.

Forms No. 164, Rep. Med. Div. Chem. Corps U. S. Army.

SULFUR dioxide.

See with **Ship,** Hygiene and sanitation.

SULLAGE water.

See also **Sewage.**

Critchley, A. M. Disposal of sullage water in Egypt. J. R. Army M. Corps, 1944, **83:** 89–91.—**Hattersley, S. M.** The treatment of waste water with ferrous sulphate and lime. Ibid., 1936, **66:** 163–70.—**Kennedy, T. F.** Chemical treatment of sullage water with ferrous sulphate and lime. Ibid., 1938, **70:** 374–8.—**Mackenzie, E. F. W.** The disposal of sullage water. Ibid., 361–73. —— & **Hilton-Sergeant, F. C.** The chemical treatment of sullage water in camps and barracks. Ibid., **71:** 8–22.—**Thompson, T. O.** The semi-automatic treatment of sullage water by Hattersley's chemical method. Ibid., 1937, **68:** 102–6.

SUMATRA.

See under **World War II.**

SUMATRA mite fever.

See **Rickettsiasis (orientalis)**

SUNBATHING.

See also **Therapeutics.**

Graduated sunbathing. Bull. Army M. Dep., Lond., 1943, No. 26, 1.

SUNBURN.

Blum, H. F. Military aspects of sunburn. War Med., Chic., 1943, **4:** 388–99.—**Rutherford, F.** Mild sunburn causing severe hyperaesthesia. J. R. Nav. M. Serv., 1943, **29:** 213.—**Studies** of sunburn; the erythemal threshold. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 1.—**Wucherpfennig, V.** Ueber die Biologie des Sonnenerythems sowie die Verhütung und Behandlung des Sonnenbrandes. Deut. Militärarzt, 1940, **5:** 507 (Abstr.)

—— Prevention.

Futcher, P. H., Blum, H. F. [et al.] Sea trials of methods of preventing sunburn of shipwrecked personnel, and information on the TWA anti-sun headgear. 13p. 26½cm. Bethesda, 1943.

Forms Rep. No. 5, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Haynes, H. A., jr, & Fiedler, J. G. Sunburn preventives for use on the lips; field acceptance test. 6 l. 27cm. Camp Lejeune, 1944.

Forms Res. Proj. X–108B, U. S. Nav. M. Field Res. Laborat.

United States. Naval Medical Research Institute. Research Project X–108. 7 nos. 26½cm. Bethesda, 1943–46.

CONTENTS

Tests on sunburn-preventive creams. Blum, H. F. 5 l.

2. Sunburn preventive preparations, evaluation and specifications. Blum, H. F. 13 l.

3. Studies of sunburn; inhibition of erythema by large doses of ultraviolet radiation. Blum, H. F., & Terus, W. S. 16p.

4. Studies of sunburn; the erythemal threshold. Blum, H. F., & Terus, W. S. 14p.

5. Studies of sunburn; evaluation of protective measures. Blum, H. F., Eicher, M., & Terus, W. S. 12p.

A. Sunburn preventives for use on the lips. Blum, H. F., Eicher, M., & Pfeiffer, C. C. 7p.

C. The preparation and appraisal of a combined sunburn preventive and emergency burn treatment ointment. Pfeiffer, C. C., Blum, H. F., & Darby, E. M. K. 5p.

Henschke, U. Sonnenschutzmittel. Deut. Militärarzt, 1942, **7**: 581–9. Also Bull. War M., Lond., 1942–43, **3**: 601 (Abstr.)—**Preparation** (The) and appraisal of a combined sunburn preventive and emergency burn treatment ointment. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 1.—**Stoneham, E. I.** Prevention of sunburn. Hosp. Corps Q., 1945, **18**: No. 2, 50.—**Studies** of sunburn; evaluation of protective measures. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 2.—**Studies** of sunburn; inhibition of erythema by large doses of ultraviolet radiation. Ibid., 1.—**Sunburn** preventives for use on the lips. Ibid., 1944, July, 2.

SUNGLARE.

See also **Glare.**

Campbell, P. A. Aircraft obscuration by sun glare. 13p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 34, U. S. Air Force School Aviat. M.

SUNGLASS.

See also **Eyeglass.**

Blum, H. F. Solar energy reaching the retina; proposed spectral curve for testing sun-scanning glasses. 8p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–435, U. S. Nav. M. Res. Inst.

Farnsworth, D. Standards for general purpose sun glasses. 27 l. 28cm. N. Lond., 1948.

Forms No. 17, Col. Vision Rep. (or, Rep. No. 2, Proj. NM 000 009) U. S. Nav. M. Res. Laborat.

Hecht, S., Mueller, C. G. [et al.] The effect of Glasses, Sun, N–1, on visual acuity at high brightnesses. 12 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X–672, U. S. Nav. M. Field Res. Laborat.

Matthews, J. L. Physiological effects of reflective, colored, and polarizing ophthalmic filters; basic considerations in the selection of sunglasses for flying personnel. 9p. 26cm. Randolph Field, 1949.

Forms Rep. No. 1, Proj. No. 21–02–040, U. S. Air Force School Aviat. M.

Ross, S., & Mueller, C. G. A study of the durability of Glasses, Sun, N–1, Contract No. NXsX–66844. 15p. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X–583, U. S. Nav. M. Field Res. Laborat.

—— & Richmond, P. Study of the effectiveness of Glasses, Sun, N–1, Contract No. NXsX 66844. 12 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X–542, U. S. Nav. M. Field Res. Laborat.

Scobee, R. G. Tests of the graded density sun glass, type A and B in connection with AAF Board Project J–4035. 4p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 358, U. S. Air Force School Aviat. M.

United States. Armored Medical Research Laboratory. Project No. T–6: Test of glasses, sun. 3p. 28cm. Fort Knox, 1945.

Bunker, M. L., & Solandt, D. Y. Report on goggles designed to permit sky-scanning in the vicinity of the sun and facilitate the observation of tracer bullets under these conditions. Proc. Com. Nav. M. Nat. Res. Counc. Canada, 1945, 4. meet., 49–57, 2 ch.—**Farber, W. S.** Sunglasses, all-plastic, brow-rest, N–1, Type 1, Contract No. NXsX–66844; distribution and use of. Bumed News Lett., Wash., 1945, **5**: No. 12, 24.—**Peckham, R. H.** Solar transmission of glass and plastic used in sunglasses. Minutes Army Navy Vision Com., 1944, 5. meet., 12–28. ——— The present status of goggles and sunglasses in the U. S. Navy. Ibid., 10. meet., 10–2. ——— Need and requirements for sunglasses and effect of prolonged exposure to sunlight. Ibid., 17–22.—**Toucey, R. M.** Sun glasses. Ibid., 1944, 4. meet., 23. ——— Proposed standardized sunglass design. Ibid., 5. meet., 9–11.

SUPERSONIC speed.

See also **Aviation,** Speed; **Stratosphere.**

Jennings, A. L. To investigate the problem of visual perception and recognition of aircraft traveling at trans- and supersonic speeds. Q. Res. Rep. U. S. School Aviat. M., 1947, Mar., 20; 1948, Jan., 10.—**Supersonic** speed. News Lett. R. Nav. Air M. School, 1947, No. 3, 4–6.

SUPERSONIC vibration.

See **Ultrasound; Vibration.**

SUPPLY.

See also **Dental supply; Drug supply; Hospital Administration,** Supply; **Medical supply; Optical service and supply; Prosthetic service,** etc.

Heinemann-Grüder, C. Versorgungsgesetze der Wehrmacht. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 6–14. ——— Organisation der Wehrmachtversorgung. Ibid., 45–54.—**Kaufmann, E.** Zusammenarbeit der Wehrmachtfürsorge- und -Versorgungsdienststellen und Sanitätsoffiziere. Ibid., 54–62.—**Michael, W. H.** Medical supply procurement in the Navy. U. S. Nav. M. Bull., 1938, **36**: 168–79.—**Rühe, E.** Begriffe des Wehrmachtfürsorge- und -versorgungsgesetz. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 14–45.

SUPPLY catalog.

Armed Services catalog of medical materiel. [v. p.] 4° Brooklyn, 1949.

United States. Army Services Forces. Army Services Forces catalog, medical supply catalog. MED 4: Allowances of expendable supplies, September 1945. 17p. 23cm. Wash., 1945.

United States. War Department. Medical department supply catalog, 1932. 304p. 8° Wash., 1932.

—— Medical department supply catalog, 1937. v. p. 4° Wash., 1937.

—— Medical department supply catalog, 1941. [v. p.] 29½cm. Wash., 1941.

SUPPLY depot.

See also **Ambulance supply depot; Depot; Medical depot; Store; Supply; Zone.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 320/4: Wehrmacht-Verwaltungsvorschrift. 4. Teil: Vorschrift für die Heeresverpflegungsdienststellen, vom 1. 6. 1939. 495p. 20½cm. Berl., 1939.

Flück. Das neue eidgenössische Armeesanitätsmagazin in Bern. Schweiz. Apoth. Ztg, 1932, **70**: 603–6.—**Nesterov, N.** Stanecija snabženija. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 296–8.—**Schmidt, B.** Die hygienische Bedeutung der zentralen und lokalen Versorgungsanlagen (Lebensmittelversorgung, Wasser, Gas, Elektrizität) im Frieden und im Kriege. Veröff. Heer. San., 1938, II. 105, 136–67.—**Winterbottom, J. A.** The supply depot, Brooklyn, N. Y. U. S. Nav. M. Bull., 1920, **14**: Suppl. No. 13, 28–31, 2 pl.

SUPPLY officer.

Ashler, P. F. The supply officer with a naval mobile base hospital. U. S. Nav. M. Bull., 1941, **39**: 498–504.—**Pappas, A.** Responsibilities of the medical supply officer. Med. Bull. North Afr. Theater U. S., 1944, **2**: 90.

SUPPURATION.

See also **Pleural empyema; Pleurisy,** suppurative; **Staphylococcosis; Streptococcosis; Wound infection,** pyogenic.

Robinson, J. C., James, G. W., & Kark, R. M. Preliminary report of the effect of oral

therapy with cobaltous chloride on the blood of patients suffering with chronic suppurative infection. 8 l. 26½cm. Chic., 1949.
Forms Rep. No. 43, U. S. Army M. Nutrit. Laborat.

Haudek, M., & Holzknecht, G. Ueber Spezialisierung der Kriegsspitalsbetriebe in Hinterland; Vorschlag zur Errichtung von Stationen für chronische Eiterungen. In: Röntgenologie (Holzknecht, G.) Berl., 1918, **1:** 543–7.—**Pospelov, P. I.** K voprosu o gnoerodnoj infekcii v častjakh vojsk. Voen. med. J., S. Peterb., 1911, **231:** Med. spec. pt, 289–306.

SUPRARENAL.

See also **Steroid**; also **Cold exposure.**

Tobin, L. M., & Steeples, G. L. Effect of hypothermia on the adrenal cholesterol content of rats. 9 l. 28½cm. Fort Knox, 1949.
Forms Proj. No. 6–64–12–02–(3) U. S. Army M. Dep. Field Res. Laborat.

Baudron. La ligne blanche surrénale dans l'armée. Caducée, Par., 1918, **18:** 93.—**Kokas, F., & Zsebők, Z.** A mellékvese és vese perirenalis levegöbefúvással való röntgenábrázolásának új módszere. Honvédorvos, 1950, **2:** 257–61, 4 pl.—**Lang, K.** Ueber den Einfluss der Nebennieren auf die Leistungsfähigkeit der Muskulatur. Veröff. Heer. San., 1938, H. 105, 243–8.

—— Disease.

Belkin, A., MacQueen, D. G., & Duffin, J. D. A case of paroxysmal hypertension due to chromaffin tumor of adrenal. Treatm. Serv. Bull., Ottawa, 1950, **5:** 117–24, illust.—**Bolzinger.** A propos d'un cas de purpura fulminans avec apoplexie des surrénales. Bull. Soc. méd. mil. fr., 1949, **43:** 49.—**Demaria Boiteux, R.** A hemorragia suprarenal e o sindrome colicas. Rev. mil. med. vet., Rio, 1942, **5:** 67–88.—**Harsant, A. G.** Four uncommon abdominal tumours. J. R. Army M. Corps, 1946, **87:** 133–41.—**Luse, H. D.** Bilateral malignancy of the adrenal glands with metastases into the left lung. Med. Bull. Veterans Admin., 1935, **12:** 76.—**Pennell, W. J., & Beals, L. S., jr.** Borderline adrenal cortex insufficiency; with case report. U. S. Nav. M. Bull., 1940, **38:** 391–5, 4 pl. [addendum] 407.—**Virgillo, S.** Contributo allo studio delle apoplessie delle ghiandole surrenali. Gior. med. mil., 1933, **81:** 13–32.—**Wilkiemeyer, F. J.** Adrenal hemorrhage. Med. Bull. Veterans Admin., 1942–43, **19:** 342.

—— Hormones.

Great Britain. Flying Personnel Research Committee. F. P. R. C. No. 340: Note on effect of adrenal cortical extract. 2 l. 23½cm. Lond., 1941.

Steeples, G. L., jr, & Jensen, H. F. Regulatory effect of the blood glucose level on the secretion of the adrenal cortex. 6 l. 29cm. Fort Knox, 1949.
Forms Proj. No. 6–64–12–02–(7) U. S. Army M. Dep. Field Res. Laborat.

Effect (The) of subcutaneous and intravenous injections of adrenal cortical extract on the peripheral leukocyte population and body temperature of rabbits. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 12.—**Sevket Artamli** [On the suprarenal hormones] Askerî sihhiye mecmuası, 1941, **70:** 74–80.

SURGEON.

See also **Battalion surgeon; Dental surgeon; Flight surgeon; Naval surgeon;** also **Medical officer.**

Herczegy, M. Der Militärarzt und seine bisherige Stellung. In his Memoiren &c., Wien, 1850, 126–32.—**McIntire, R. T.** The surgeon's role in war and peace. Mil. Surgeon, 1947, **100:** 105–7.—**Willcutts, M. D.** Surgical timidity. U. S. Nav. M. Bull., 1942, **40:** 91–3.

SURGEON General.

Comité permanent des Congrès internationaux de médecine et de pharmacie militaires. Liste des chefs des services de santé des armées Janvier 1937. 8p. 8° Liége, 1937.

Satō, T. Dansyaku Koike Masanao den [Biography of Baron Masanao Koike] 1216p. 23cm. Tōkyō, 1940.

Abreu, F. de. Os Diretores de saúde do Exército. Rev. med. mil., Rio, 1947, **36:** 240–9.—**Koike, M.** Eisei-bu kantyō-taru no toku [Qualities needed in the head of the Army Bureau of Sanitation] In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 915–32.—**Liste** des chefs des services de santé des armées. Bull. internat. Serv. santé, Liége, 1937, **10:** 36–40.—**Reddy, D. V. S.** Surgeon-general to the army; regulations for the guidance of the surgeon-general, Mr. Briggs. In his Begin. Mod. Med. Madras, Calc., 1947, 187–90.—**Walker, R. F. A. M. D. 3.** (Army Medical Directorate) J. R. Army M. Corps, 1937, **69:** 361–71.

—— United States Army.

See also **Surgeon General's Office.**

Phalen, J. M. Chiefs of the Medical Department, United States Army, 1775–1940; biographical sketches. 158p. 23cm. Wash., 1940.

United States. War Department. Surgeon General. Report. Wash., 1844–
Developments in military medicine during the administration of Surgeon General Norman T. Kirk. Bull. U. S. Army M. Dep., 1947, **7:** 520; 594.—**Extracts** from the annual report of the Surgeon General of the Army. Mil. Surgeon, 1939, **84:** 263–6.—**Hume, E. E.** Pennsylvania's surgeon generals of the United States army. Pennsylvania Health, 1941–42, **2:** No. 1, 7–14.—**Jones, H. W.** A hospital inspector's diary: being an account of the journey of Tobias Watkins, Assistant Surgeon General, U. S. Army, in the year 1818. Bull. Inst. Hist. M., Balt., 1939, **7:** 210–35.—**Meehan, J. W.** Preliminary notes on the Surgeon General's annual report for the calendar year 1940. Army M. Bull., 1941, No. 58, 98.

—— United States Navy.

United States. Navy Department. Bureau of Medicine and Surgery. Surgeon General. Annual report. Wash. (1871) 1872–
Annual report of Surgeon General of Navy. J. Am. M. Ass., 1938, **110:** 2091.—**Roddis, L. H.** Lives of the Surgeons General of the United States Navy. Mil. Surgeon, 1941, **89:** 811–8, portr.

SURGEON-GENERAL'S Library.

See under **Library.**

SURGEON-GENERAL's Office.

See also **Nurse Corps,** United States: Army; **Surgeon General,** United States Army.

Scheirer, G. A. Notes on the Army Surgeon General's Office in Washington, 1818–1948. 56p. 21cm. Wash., 1948.

United States. War Department. Surgeon General's Office. History of the Surgeon General's Office, June 1, 1887 to Dec. 1, 1890. 3 l. 38½cm. Wash. [after 1890]

—— Memoranda for the information of the Secretary of War, 1889–92; 1903–07. 4v. 30½cm. Wash., 1889–1907.

Surgeon (The) General's Office. Army M. Bull., 1934, No. 29, 1–4.—**Surgeon** (The) General's Office: roster of commissioned personnel on duty. Ibid., 1941, **56:** 119–21.

—— Organization.

See also **World War I; World War II.**

United States. War Department. Surgeon General's Office. Expansion caused by war; organization of work by divisions; leaders from civil life enlisted; organizing the specialists of the country. 63p.[v. p.] 30cm. N. Y., 1917.

SURGERY.

See also **Operation** (surgical) also subsequent headings.

Abramson, P. D. War surgery. Tristate M. J., 1941–42, **14:** 2659.—**Arruda Camargo, R. B. de.** Cirurgia de guerra. São Paulo med., 1942, **15:** pt 1, 199; passim.—**Bárány, R.** Ueber Kriegschirurgie. Wien. med. Wschr., 1918, **68:** 981–9.—**Barbieri, P.** ¿Qué es cirugía de guerra? Rev. san. mil., B. Air., 1943, **42:** 779–81.—**Bergós Ribalta, F. de A.** Cirugía general de guerra. Ann. med., Barcel., 1934, **28:** 93; 295. Also Med. ibera. 1934, **28:** pt 1, 115; 426. Also Rev. méd. Barcelona, 1934, **21:** 178; 270.—**Bernhard, F.** Kriegschirurgie. Med. Klin., Berl., 1940, **36:** 725.—**Blech, G. M.** Military surgery. Am. J. Surg., 1913, **27:** 88; 184. ——— Military surgery. J. Am. M. Ass., 1915, **64:** 167. ——— Military surgery—what is it? Illinois M. J., 1916, **29:** 433–9.—**Cole, W. H.** War surgery. California West. M., 1943, **58:** 223–6.—**Colmers, F. A.** War surgery. Med. Rec., N. Y., 1940, **152:**

313.—**Crane, J. E.** War surgery. Connecticut M. J., 1942, **6**: 554–6.—**Cunha, B.** Sobre a cirurgia de guerra. Impr. med., Rio, 1941, **17**: No. 330, 94–7.—**De Page, A.** War surgery. Ann. Surg., 1914, **60**: 137–42.—**D'Harcourt, J.** Cirugía de guerra. Defensa, Méx., 1943, **3**: No. 23, 44–7.—**Eckhoff, N. L.** War surgery. Guy's Hosp. Gaz., Lond., 1944, **58**: 171–6.—**Gardner, C.** Military surgery. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 6, 17–22.—**Goot, D. H. van der.** Over oorlogschirurgie. Ned. tschr. geneesk., 1917, **1**: 1265–79. ——— Oorlogschirurgie. Handel. Ned. natuur geneesk. congr. (1917) 1918, 16. Congr., 57–76.—**Hartmann, H.** Chirurgie de guerre. Paris méd., 1913–14, **15**: 262–4.—**Iacobovici, I.** Chirurgia in viitorul războiu. Rev. san. mil., Bucur., 1937, **36**: 22–4—**Judd, E. S.** War surgery. J. Lancet, 1918, **38**: 617–20.—**Kelly, R.** Surgery. Practitioner, Lond., 1940, **145**: 221–30.—**Kirk, N. T.** Military surgery. Pacific Coast M., 1941, **8**: No. 2, 3–7.—**Koch, S. L.** War surgery. Surg. Gyn. Obst., 1941, **72**: 672.—**Küttner.** Die Chirurgie des Krieges. Med. Bl., Wien, 1912, **34**: 61.—**La Garde, L. A.** Military surgery. Med. Times, N. Y., 1916, **44**: 1–11.—**Mayo, C. H.** General surgery. Surg. Gyn. Obst., 1917, **25**: 723.—**Military** surgery. Sc. Am., N. Y., 1915, **113**: 176.—**Moppert, G.** La chirurgie de guerre. In: Sanitätstruppen, Zür., 1942, 49–56, illust.—**Mouchet, A.** La chirurgie de guerre. Paris méd., 1940, **115**: 261–4.—**Nava Rojas, R.** Sinopsis de cirugía de guerra. Sugestiones, Méx., 1943–45, **9**: No. 115, 59–63.—**Owen, W. O.** War surgery. Tr. M. Soc. N. Carolina, 1918, **65**: 205–9.—**Penner.** Kriegschirurgie. Veröff. Heer. San., 1936, H. 100, 12–24.—**Planelles, J.** Cirugía de guerra. Rev. san. mil. Madr., 1913, 3. ser., **1**: 665–7—**Rohde, C.** Kriegschirurgie. Münch. med. Wschr., 1938, **85**: 465–71. Also in Kriegschir. Ratgeber, Berl., 1941, 42–57—**Schönbauer, L.** Ueber Kriegschirurgie. Wien. klin. Wschr., 1943, **56**: 550. ——— Kriegschirurgie. Aerztl. Prax., Wien, 1944, **18**: 222–5. Also Wien. klin. Wschr., 1944, **57**: 313–6.—**Tarnowsky, G. de.** Military surgery. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 1–15.—**Upjohn, W. G. D.** Military surgery. Med. J. Australia, 1941, **1**: 193–201.—**Vidaurreta, M. F.** Cirugía de guerra. Rev. san. mil. argent., 1949, **48**: 69–75.—**Wilson, H.** War surgery. Memphis M. J., 1946, **21**: 146.

—— Bibliography.

Bösch, F., & Brunner, A. Kriegschirurgie [Bibliography] p. 528–645. 25cm. Wiesb., 1917. Jahrber. Chir. (1915) 1917, **21**:

Allison, N. Recent articles on war surgery. Interstate M. J., 1917, **24**: 336.—**Bibliography.** In: Principl. & Pract. War Surg. (Trueta, J.) S. Louis, 1943, 414–21—**Hoche, O.** Wehrchirurgie. Med. Klin., Berl., 1940, **36**: 581.—**Jeanneney, G.** Des travaux de chirurgie de guerre; septembre–octobre 1939. Gaz. hôp., 1939, **112**: 1437–45. ——— Revue générale des travaux de chirurgie de guerre. Ibid., 1940, **113**: 177; 417.—**Katz, K.** Uebersicht über das kriegschirurgische Schrifttum des gegenwärtigen Krieges. Med. Klin., Berl., 1944, **40**: 63; 91.—**Makarov, I. D.** Biblioografija po voennoj medicine za gody 1941–45; voenno-polevaja khirurgija. Voen. med. J., Moskva, 1946, No. 11, 52; No. 12, 54. ——— Bibliografija po voennoj medicine za gody 1941–45; šok. Ibid., No. 12, 59; passim.—**Martin, W. L.** War surgery. In: Cyclop. Med. (Piersol-Bortz) Phila., 1943, Serv. Vol., 961–71. Also another edition, 1945, Serv. Vol., 909–51.—**Trueta, J.** Principles and practice of war surgery [Bk Rev.] Surgery, 1943, **14**: 485.—**Woods, O. T.** Experiences in traumatic surgery in the war; a brief review of English journals. Dallas M. J., 1942, **28**: 39–41.—**Wright, V. M. W.** War surgery. In: Cyclop. Med. (Piersol-Bortz) Phila., 1941, Serv. Vol., 871–91.

—— Congresses.

See also **Military medicine**, Congresses.

[Italy] Congresso nazionale di chirurgia di guerra [1. Congr,. 1942] Atti. 1050, 7p. 25cm. Roma, 1943.

Mexico. Convención de médicos militares mexicanos [1. Conv., México, D. F., Sept. 1936] Memoria. 383p. 29cm. Méx., 1936.

Russia. Narkomzdrav RSFSR. Труды Конференции работников челюстнолицевой хирургии эвакогоспиталей Наркомздрава РСФСР и 5 пленума совета института. 236p. 20cm. Moskva, 1945.

United States. Army. Association of Acting Surgeons. Records, 1891. 149p. 24cm. Salem, 1891.

Alberti, G. Il passato e il presente nella chirurgia di guerra; dopo il Congresso di chirurgia di guerra tenutasi in Roma dal 23 al 26 maggio u. s. Med. internaz., Milano, 1942, **50**: 153–6, illust.—**Association** (the) of Military Surgeons of the United States 47th Annual Convention, Washington, D. C., May 8–10, 1939. Army M. Bull., 1939, **49**: 56–62.—**Catkin, S., & Neuman, M.** [Conference of Army surgeons] Med. rabot., 1944. 7: No. 17, 1.—[**Conference** of the Kharkov Medical Society dedicated to investigations of the results of surgical work in evacuation hospitals, June 17–18, 1940] Vrach. delo, 1940, **22**: 817–24.—**Congrès** (XIII) de la Société internationale de chirurgie. Voj. zdrav. listy, 1948, **17**: 329.—**Congresso** di Chirurgia di guerra a Roma. Difesa sociale, 1942, **21**: 571.—**Congresso** nazionale di chirurgia di guerra, Roma, 24–26 maggio 1942. Bibliogr. ortop., Bologna, 1941–42, **24**: 182. Also Riforma med., 1942, **58**: 711–5. Also Rinasc. med., 1942, **19**: 253. Also Settimana med., 1942, **30**: 380; 468; 489.—**Convegno** (Un) di chirurgia di guerra a Bologna. Difesa sociale, 1942, **21**: 570.—**First** (The) war-time assembly. South. Surgeon, 1942, **11**: 298–300.—**Krüger-Franke.** Bericht über den Kriegschirurgenkongress zu Brüssel im April 1915. Mschr. Unfallh., 1915, **22**: 132–4.—**Lexer, K.** Chirurgischer Kongress im Feld. Münch. med. Wschr., 1914, **61**: 2296–8.—**Medawar, P. B., & Green, F. H. K.** Conference on wound healing. Bull. War M., Lond., 1943–44, **4**: 251–7.—**Mezinárodní** (XII) chirurgický kongres v Londýně. Voj. zdrav. listy, 1948, **17**: 232–9.—**Military** Surgeons meeting, October 29th–November 1st, Brown Hotel, Louisville, Ky. Arch. Phys. Ther., 1941, **22**: 561.—**Novotelnov, S. A.** [Conference on the treatment of wounds at the Kirov Academy of Military Medicine, Jan. 15–16, 1943] Voen. san. delo, 1943, No. 8, 57–60.—**Ochsner, A. J., Lund, F. B.** [et al.] Symposium on war surgery. Surg. Gyn. Obst., 1917, **25**: 697–733.—**Primer** Congreso interamericano de cirugía, Santiago de Chile, Nov. 14–19, 1942. Rev. san. mil., B. Air., 1942, **41**: 693; 773; 838.—**Q., J. D.** El XIII. Congreso de cirugía argentino. Rev. san. mil., Asunción, 1940–41, **14**: 393.—**Report** of the recent Congress of German military surgeons. Rev. War Surg. & M., 1918, **1**: No. 8, 17–22.—**Resumên** hecho por el Presidente de la sección quirúrgica Comandante médico d. Antonino Guzmán Rúiz. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., p. lxxi-lxxiii.—**Schmidt, G.** Bericht über die dritte Kriegschirurgentagung. Deut. mil. ärztl. Zschr., 1918, **47**: 101–3.—**Soviet** surgery; meeting of Anglo-Soviet Medical Council. Brit. M. J., 1945, **1**: 94.—**Symposium** on war surgery. Surg. Clin. N. America, 1943, **23**: 1489–705.—**Uffreduzzi, O.** La chirurgia di guerra; sedute dell Società piemontese de chirurgia. Gior. Accad. med. Torino, 1940, **103**: pt 2, 35–47.—**Volpe, M.** XLI. Congresso italiano di chirurgia (Roma, 17–20 ottobre 1934) Gior. med. mil., 1934, **72**: 1185–91.—**War** surgery; symposium. Am. J. Surg., 1942, **56**: 337–52.—**War** wounds symposium. Med. Press & Circ., Lond., 1943, **209**: 65.—**Wound** healing; the Cambridge Conference, Sept. 22–24. Lancet, Lond., 1943 **2**: 552.

—— dental.

See **Dental surgery.**

—— emergency.

See also **Emergency.**

Cruchet, L. X. J. F. P. *La chirurgie d'extrême urgence au poste de secours chirurgical. 42p. 8° Bord., 1916.

Haberland, H. F. O. Die dringliche Kriegschirurgie. 228p. 19½cm. Berl., 1941.

Connor, G. J. Crush, blast and anesthesia in war emergencies. Connecticut M. J., 1942, **6**: 928–31.—**Hőnig, V., & Szentgáli, G.** Mûtőriado-terv életmentő mûtétek esetén. Honvédorvos, 1950, **3**: 766–8.—**Murray, S. D.** Interesting highlights of the 1941 Tulane University Postgraduate Medical Clinics applicable to military and emergency surgery. U. S. Nav. M. Bull., 1942, **40**: 361–7.—**Wade, H.** Emergency surgery in the field. In: War & Doctor (Mackintosh, J. M.) 2. ed., Lond., 1940, 117–32.—**Warthen, H. J.,** jr. An emergency surgical plan in an Army Air Force hospital. Ann. Surg., 1945 **121**: 573–82.

—— Errors.

Starlinger, F. Fehler und Gefahren der Feldchirurgie. 131p. 18cm. Wien, 1942. Also 2. Aufl. 134p. 18½cm. Berl., 1943.

Bowen, F. H. Mistakes in war surgery. U. S. Nav. M. Bull., 1945, **44**: 777–85.—**Goebel.** Aerztliche Fehler bei Ausübung der Kriegschirurgie und ihre Vermeidung. Münch. med. Wschr., 1915, **62**: 829–31.—**Molnár, J.** Megjegyzés Piri, L. dr, Gyakori hibák a hadisebészetben, c. cikkére. Orvostud. közl., 1944, **5**: 274.—**Ogilvie, W. H.** Cardinal sins of war surgery. Bull. U. S. Army M. Dep., 1944, No. 76, 35.—**Piri, L.** Gyakori hibák a hadisebészetben. Orvostud. közl., 1944, **5**: 131–4. ——— Válasz Molnár J. megjegyzésére: Gyakori hibák a hadisebészetben. Ibid., 316.—**Polyánsky, T.** Válasz Dr Zsebők, Z., feleletére. Ibid., 423.—**Rákos, R.** Hozzászólás Piri L., Gyakori hibák a hadisebészetben, című közleményéhez. Ibid., 203.—**Sereghy, E.** Megjegyzések Piri, L. dr, Gyakori hibák a hadisebészetben c. közleményére és Rákos R. dr hozzászólására. Ibid., 252.—**Zsebők, Z.** Válasz és zárószó Kisfaludy, B. M. dr hozzászólására. Ibid., 253.

—— Essays.

Bárány, R. Ueber Kriegschirurgie. Münch. med. Wschr., 1918, **65**: 58.—**Barling, H. G.** Some aspects of military surgery. N. York M. J., 1917, **106**: 869–71.—**Bentley, F. H.** War surgery; thoughts and facts. Brit. M. J., 1944, **2**: 573.—**Bin-**

hold, H. Einige kriegschirurgische Gesichtspunkte. Münch. med. Wschr., 1940, **87**: 525–7. Also Med. Klin., Berl., 1940, **36**: 844 (Abstr.)—**Blackford, S. D.** An internist speculates on surgery. Med. Bull. Europ. Command, 1949, **6**: No. 7, 17–21.—**Bordet, J., De Beule & Lambotte, A.** Quelques considérations sur la chirurgie dite de guerre (discussion) Bull. Acad. Belgique, 1940, 6. sér., **5**: 345–9.—**Bowie, D. C.** Some aspects of war surgery. Caduceus, Hong Kong, 1940, **19**: 211–29.—**Caccia, F.** L'importanza della chirurgia di guerra. Forze san., Roma, 1933, **2**: 2432–42.—**Carrel, A.** Science has perfected the art of killing; why not of saving? Surg. Gyn. Obst., 1915, **20**: 710.—**Cheever, D.** Mars and Aesculapius. Ann. Surg., 1941, **113**: 881–90.—**Erasmus, J. F. P.** War, peace and surgery. Leech, Johannesb., 1947, **18**: 4; passim.—**Hartmann, H.** La chirurgie de guerre. Rev. gén. sc. pur., 1917, **28**: 403–8.—**Jefferson, G.** Bureaucratic surgery. Brit. M. J., 1941, **1**: 684.—**Lambotte, A.** Quelques considérations sur la chirurgie, dite de guerre. Bull. Acad. Belgique, 1940, 6. sér., **5**: 224–31.—**Léal, C.** A cirurgia nos ensinamentos de Chatelin e A. Nascimento. Rev. med. mil., Rio, 1936, **25**: 7–12.—**Magliulo, A.** Aspetti e compiti della chirurgia di guerra. Gior. med. mil., 1939, **87**: 115–34.—**Majocchi, A.** Betrachtungen zum Krieg. In his Nachtwachen, Frauenfeld, 1946, 141–60.—**Manguillón, J.** De la oportunidad operatoria en las enfermedades médicas. Rev. san. mil., Madr., 1920,.3. ser., **10**: 41–5.—**Monteiro, O.** Constituição operatoria. Rev. med. mil., Rio, 1944, **33**: 347–55.—**Montserrat, S.** La cirugía en el Quijote. Med. & cir. guerra, 1947, **9**: 623–40.—**Moreno Muro, D.** Así es al arte quirúrgico. Rev. méd. mil., Méx., 1938, **1**: No. 3, 10–2.—**Ogilvie, W. H.** Time, place, and circumstance in war surgery. In his Surgery Orthodox, &c., Oxf., 1948, 212–5.—**Pérez, B.** Consideraciones sobre cirugía de guerra. Rev. san. mil., B. Air., 1942, **41**: 484–8. Also Rev. mil., La Paz, 1945, **9**: 96–100.—**Philipovici, J.** Considerațiuni asupra chirurgiei de războiu. Rev. san. mil., Bucur., 1937, **36**: 635–45.—**Pierson, R. H.** Conditions of military surgery. Med. Sentinel, 1912, **20**: 71–84.—**Reiner, B. A.** [Aims of surgery in the light of the next war] Sovet. Khir., 1932, **3**: 193–6. ——— [Surgery in the next war] Khirurgia, Moskva, 1937, No. 4, 77–80.—**Schönbauer, L.** Ueber Kriegschirurgie. Klin. Wschr., 1942, **21**: 871. Also Münch. med. Wschr., 1942, **89**: 844. Also Wien. med. Wschr., 1942, **92**: 569.—**Sheen, A. W., & Haycraft, J. B.** Discussion on war-time surgery. Proc. Cardiff M. Soc., 1939–40, 17–28.—**Uffreduzzi, O.** Chirurgia di guerra al fronte e nel paese. Forze san., Roma, 1941, **10**: 23, 8–16.—**Wolfe, H. R. I.** Some aspects of surgery in wartime. J. R. Nav. M. Serv., 1944, **30**: 144–52.

—— Experiences.

See also under **Wars and campaigns; World War I; World War II.**

Abraham, J. J. The surgeon's log; impressions of the Far East. 8. ed. 302p. 19½cm. Lond., 1914.

Crile, G. W. Notes on military surgery. 106p. 24½cm. Clevel., 1924.

Dartigues, L. Faisceau scriptural. Pt 2: Guerre—paix. 527p. 8° Par., 1932.

Germany. Beratender Chirurg beim Wehrmachtarzt Südwest. Richtlinien für das Sammeln kriegs ärztlicher Erfahrungen. Vierteljahresbericht [3] l. 30cm. [n. p.] 1945.

Morvan, F. J. Nouveaux conseils aux medecins de garde; partie chirurgicale. p. 157–227. 21½cm. Par., 1938.

Arch. méd. pharm. nav., 1938, **128**:

Aimes, A. Notas de cirugía de guerra. Siglo méd., 1918, **65**: 268.—**Angerer.** Kriegschirurgische Erfahrungen und Beobachtungen. Wien. klin. Wschr., 1943, **56**: 681.—**Angioni, G.** Note di chirurgia di guerra. Policlinico, 1920, **27**: sez. prat., 1213–8.—**Barsky, E. K.** Some personal observations on military surgery. Hebrew M. J., N. Y., 1943, **1**: 192–206.—**Bastos.** Algunas enseñanzas de cirugía de guerra derivadas de una experiencia reciente. An. Acad. nac. med., Madr., 1935, **55**: 243–9.—**Baumgart, W. H.** Wie die moderne Kriegschirurgie entstand; eigene Erfahrungen eines Frontchirurgen. Deut. med. Wschr., 1936, **62**: 604–7.—**Bergós Ribalta, F. de A.** Unas notas sobre cirugía de guerra. Med. ibera, 1934, **28**: pt 1, 257, 849.—**Borchard, A.** Erinnerungen eines beratenden Chirurgen. Deut. med. Wschr., 1934, **60**: 1398–401.—**Borelius, J.** Några krigskirurgiska iakttagelser. Allm. sven. läk. tidn., 1914, **11**: 1013–9.—**Burgess, J. H.** Ten month's work in military employ. Ind. M. Gaz., 1912, **47**: 217–20.—**Campora, G.** Note di chirurgia di guerra. Gazz. osp., 1916, **37**: 6–9.—**Cerné, A.** Chirurgie de guerre. Normandie méd., 1914, **30**: 360–9.—**Chirurgia** di guerra. Morgagni, 1914, **56**: pt 2, 898–903.—**Corbett, J. F.** The teachings of military surgery. S. Paul M. J., 1917, **19**: 65–70.—**Cutler, E. C.** A surgeon looks at two wars. Lancet, Lond., 1944, **2**: 427–30.—**Drescher.** Ueber die kriegschirurgischen Erfahrungen in den uns ehemals feindlichen Ländern. Veröff. Heer. San., 1935, H. 98, 76–93.—**Exner & Heyrovsky, H.** Kriegschirurgische Erfahrungen. Berl. klin. Wschr., 1913, **50**: 377.—**Faltin, R.** Bidrag till lösandet av några krigskirurgiska uppgifter. Nord. med., 1943, **17**: 91–9.—**Hämäläinen, M.** Krigskirurgiska erfarenheter. Tskr. mil. hälsov., 1945, **70**: 15–20.—**Hingston, D.** Notes on war surgery. Canad. M. Ass. J., 1917, **7**: 307–10.—**Hurley, V.** The surgical lessons of the last five years of war and their application to post-war surgical practive. Austral. N. Zealand J. Surg., 1945–46, **15**: 235–48.—**Isnardi, L.** Chirurgia di guerra. Attualità med., 1915, **4**: 379–98.—**Julliard.** Quelques remarques sur la chirurgie de guerre. Korbl. Schweiz. Aerzte, 1916, **46**: 673–84.—**Krabbel.** Kriegschirurgische Tätigkeit. Zschr. ärztl. Fortbild., 1914, **11**: 683–8.—**Kukula.** Některé kapitoly z chirurgie válečné. Cas. lék. česk., 1915, **54**: 97; 144; 177.—**Laurent, O.** Notes de chirurgie de guerre. Clinique, Brux., 1913, **27**: 785; 1914, **28**: 227.—**Lebsche.** Kriegschirurgische Beiträge. Deut. mil. ärztl. Zschr., 1915, **44**: 233–41.—**Mafera, G.** Note sintetiche di chirurgia di guerra. Policlinico, 1916, **23**: Sez. prat., 805–11.—**Mitchiner, P. H.** Thoughts on four years of war surgery, 1939 to 1943, Brit. M. J., 1944, **2**: 37–40.—**Notes** on war surgery. Austral. N. Zealand J. Surg., 1941–42, **11**: 273–8.—**Oppel, V.** [Sketches of war surgery] Voen. san. delo, 1938, No. 2, 16–29.—**Oppenheim, H.** Kriegschirurgische Erfahrungen; technische Winke und Betrachtungen. Med. Klin., Berl., 1915, **11**: 725–7.—**Orth.** Kriegschirurgische Erfahrungen. Schweiz. med. Wschr., 1941, **71**: 1629 (Abstr.)—**Pascalis, G., & Clarac, G.** Quelques faits de chirurgie de guerre. J. chir., Par., 1914, **12**: 21–3.—**Pellegrini, A.** Chirurgia di guerra. Riv. osp., 1915, **5**: 612–21.—**Petrén, G.** Krigskirurgiska erfarenheter. Allm. sven. läk. tidn., 1915, **12**: 473–87, illust.—**Reichen, G.** Kriegschirurgische Erfahrungen. Veröff. Schweiz. Ges. Gesch. Med., 1949, **18**: 65–79.—**Roegholt, M. N.** [Five days of war-surgery] Ned. tschr. geneesk., 1940, **84**: 2161–4.—**Savelli, E.** Chirurgia di guerra. Prat. med., Nap., 1914–15, **15**: 326–49.—**Scaglietti, O.** Esperienze di chirurgia di guerra. Gior. med. mil., 1942, **90**: 254–68.—**Scinicariello, W.** Piccoli contributi alla chirurgia di guerra. Riforma med., 1916, **32**: 1096.—**Tabanelli, M.** Note di chirurgia di guerra. Arch. ital. chir., 1946, **68**: 5–35.—**Torrent Reina, A.** Notas sobre cirugía de guerra. Rev. españ. med. cir. guerra, 1940, **5**: 157–69.—**War** surgery in hurricanes. Med. Pocket Q., 1943–44, **24**: 12.—**Weiss, T., & Gross, G.** Notes de chirurgie de guerre. Bull. Soc. chir. Paris, 1915, n. ser., **41**: 157–74.—**Widerøe, S.** Krigskirurgiske demonstrationer. Norsk. mag. laegevid., 1913, 5. R., **11**: 930–8.—**Zabludovsky, A.** [Sketches of war surgery by V. A. Oppel] Vest. khir., 1940, **60**: 107–09.—**Zuccari, F.** Chirurgia di guerra. Attual. med., Milano, 1915, **4**: 249–77. Also Med. nuova, 1915, **6**: 113–8.

—— experimental.

See under **Wound; Wounded; Wound infection.**

—— field.

See also **Surgical organization,** field; **Surgical service,** field.

Dubs, J. Wichtige Kapitel aus der Feldchirurgie des Truppenarztes. p.247–412. 24cm. Zür., 1941.

In his Feldchirurgie, 2. Aufl., Zür., 1941.

Battlefield surgery of today. N. York M. J., 1915, **102**: 97.—**Blackburn, G.** Surgery in the field. Lancet, Lond., 1944, **1**: 361–5. Also Spanish transl., Rev. san. mil., B. Air., 1945, **44**: 618–22.—**Burdenko, N. N.** [Problems of field surgery] Khirurgia, Moskva, 1939, No. 2, 11–21.—**Dubs, J.** Wichtige Kapitel aus der Feld-Chirurgie des Truppenarztes. Vjschr. schweiz. Sanitätsoff., 1939, **16**: 5–35. ——— Kriegschirurgie und Feldchirurgie. In his Feldchirurgie, 2. Aufl., Zür., 1941, 140–68.—**Fölsch, W.** Feldchirurgische Richtlinien für den Sanitätsoffizier. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 53–88; 6. Aufl., Dresd., 1943, 56–92.—**Gotō, S.** Gunzin geka ni tuite [Surgery in Army camps] Gun idan zassi, 1938, 241–6.—**Jianu, I.** [On field surgery] Spitalul, 1915, **35**: 164; 197.—**Kirschner, M.** Die wichtigsten Aufgaben des Frontchirurgen nach den Erfahrungen der letzten Kriege. Chirurg, 1939, **11**: 769–83.—**Kuprijanov, P. A.** Soderžanie i zadači vocnno-polevoj khirurgii. In: Kratkij kurs voen. polev. khir. (Kuprijanov, P. A., & Banaitis, S. I.) Moskva, 1942, 11–28. ——— Obšćaja voenno-polevaja khirurgija. Tr. Evakohosp., Leningr., 1943, No. 2, 5–11.—**Levit, V.** Khirurgija voenno-polevaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 880–95.—**Limbosch, J.** Problems of surgery in the field. J. R. Army M. Corps, 1944, **82**: 212–6.—**Martins Pereira, H. A.** Generalidades sobre o tratamento médico-cirúrgico nas frentes de combate. Rev. med. mil., Rio, 1945, **34**: 21–9.—**Maslov, L. R.** [On familiarization with field surgery] Radianska med., 1940, **5**: No. 10, 3–5.—**Melzner, E.** Chirurgie des Truppenarztes. Münch. med. Wschr., 1944, **91**: 274–6.—**Moynihan, B.** Military surgery from the viewpoint of a field consultant. Surg. Gyn. Obst., 1915, **20**: 715.—**Oelsner, L.** Ein Beitrag zur Feldlazarettchirurgie. Deut. Zschr. Chir., 1914, **132**: 84–90.—**Osten-Sacken, E. J.** [Statistical data on general questions of military field surgery] Vest. Chir., 1927, No. 26, 331. ——— Polevaja khirurgija. In: Bolsh. med. encikl., 1933, **26**: 190–220.—**Page, C. M.** Surgery in the field. In: War Surg. (Brit M. Stud. Ass.) Lond., 1944, 24–31.—**Perman, E.** [Surgical view-points on medical attendance at the front] Nord. med.,

1939, 3: 2435–8.—**Rankin, F. W.** Some observations on combat surgery. Proc. Interst. Postgrad. M. Ass. N. America (1943) 1944, 220–5.—**Roberts, W. C.** War surgery up front. J. Florida M. Ass., 1948–49, 35: 148–52.—**Savelli, E.** La chirurgia del pugno. Prat. med., Nap., 1913–14, 14: 10; passim.—**Stahl, O.** Feldchirurgie. Med. Welt, 1935, 9: 1574.—**Surgery** in the combat zone. J. Mil. M. Pacific, 1945, 1: 11–23.—**Wertheim, A.** W sprawie pomocy chirurgicznej na froncie. Lek. wojsk., 1921, 2: 1165–76.—**Zabludovsky, A. M.** [A few theses on military field surgery] Nov. khir. arkh., 1939, 44: 259–63.

—— History.

See also **Military medicine,** History; also under names of the various war and campaigns.

Dubs, J. Einführung in die Geschichte der Kriegschirurgie und des Heeres-Sanitätswesens. p.1–115. 24cm. Zür., 1941.
In his Feldchirurgie, 2. Aufl., Zür., 1941.

Isensee, J. *Der Wandel in der Wundbehandlung während der ersten Hälfte des 19. Jährhunderts. Eine historische Studie. 32p. 8° Münch., 1937.

Brunn, W. von. A hadisebészet története. Orvosképzés, 1940, 30: 821–35, illust., portr.—**Butoiano, S.** L'évolution de la chirurgie de guerre. Arch. méd. belges, 1934, 87: Bull. internat., 65–84.—**Doctor** (The) at war. Ciba Symposia, 1944–45, 6: 2022–52.—**Gadgil, S. B.** The effects of wars on the evolution of surgery. Ind. J. Surg., 1947, 9: 107–15. Also Ind. M. J., 1947, 41: 200–5.—**Hamilton, A.** War surgery of yesterday. Woman M. J., 1914, 24: 253.—**Hinricsson, H.** Kortfattad översikt av krigskirurgiens historia. Sven. läk. tidn., 1940, 37: 484–7.—**Jeunhomme, P.** L'aurore de la chirurgie de guerre. Presse méd., 1925, 33: 1292.—**Kock, W.** Ur krigskirurgiens historia. Sven. läk. tidn., 1948, 45: 2191–204.—**Levit, V. S.** [Doctrine de la chirurgie de guerre pendant son développement historique] Khirurgia, Moskva, 1941, No. 5, 3–18.—**Maisonnet.** La chirurgie de guerre: ses caractéristiques, son passé. Paris méd., 1927, 63: 289–301.—**Molinéry, R.** Chirurgie de guerre; autrefois et aujourd'hui. Chron. méd., Par., 1916, 23: 74.—**Monteiro, A.** La grandeza de la cirugía norteamericana; el 16° Hospital americano de evacuación. Bol. Inst. clín. quir., B. Air., 1945, 21: 16–24.—**Můjica Gamboa, E.** La evolución de la cirugía de guerra. Rev. san. nav., Valparaiso, 1938, 8: 105–11. Also Rev. san. mil., Asunción, 1938–39, 12: 853–60.—**Naval** and military surgery [A series of drawings illustrative of military surgery] Brit. J. Surg., 1915–16, 3: 113–20.—**Rouvillois, H. E. L.** L'évolution de la chirurgie de guerre. Presse méd., 1936, 44: 1617–22.—**Stefani, S.** Chirurgia di guerra nel Tasso e in Virgilio. Minerva chir., Tor., 1949, 4: 609–12.—**Tridente, M.** Icco da Taranto nella storia della medicina militare. Atti Accad. stor. arte san., 1946, 12: Suppl., 94–105.—**Trueta, J.** The development of war surgery. In his Principl. & Pract. War Surg., S. Louis, 1943, 23–44.—**Wachsmuth, W.** Wesen und Entwicklung der Kriegschirurgie. Veröff. Chir. Sonderlazar., Brux. (1942–43) 1944, 19–22.—**Zehrer, G.** Berichte über allgemeine ärztliche Beobachtungen und Erlebnisse im Kriege und im Frieden; aus der Geschichte der Kriegschirurgie, Wandlungen und Bleibendes. Deut. Militärarzt, 1944, 9: 152–8.—**Zimmer, A.** Entwicklung der Kriegschirurgie. In his Kriegschirurgie, Wien, 1944, 1: 3–9.

—— Indications.

See under names of surgical conditions as **Paralysis,** Surgery; **Peptic ulcer,** Surgery; **War neurosis,** Surgery; **Wound surgery; Wounded,** Surgical aspect; **Wound infection,** Treatment.

—— Instruction.

See also subheading (Lectures) also **School,** medical.

Antelo, N. Sobre instrucciones reglamentarias en cirugía de guerra. Rev. san. mil., B. Air., 1915, 14: 333–52.—**Barge.** L'Ecole de chirurgie de Brest, 1731–1934. Arch. méd. pharm. nav., 1939, 129: 201–32.—**Botreau-Roussel & Montagné.** L'enseignement de la chirurgie à l'Ecole d'application du service de santé des troupes coloniales; cinq ans de chirurgie expérimentale. Rev. path. comp., Par., 1932, 32: 836–46.—**Chiurco, G. A.** Chiarimenti circa l'insegnamento della chirurgia di guerra. Forze san., Roma, 1937, 6: 176.—**Cunico, N.** I compiti del chirurgo nel Nucleo Chirurgico in guerra. Minerva med., Tor., 1942, 33: pt 2, Varia, 344–8.—**Curso** de cirugía de urgencia de guerra en el Hospital Municipal General Freyre de Andrade. San. & benef. mun., Habana, 1942–43, 2: 5–8.—**Curso** de demonstrações práticas de cirurgia na guerra. Hora med., Rio, 1943, No. 64, 45–52.—**Demmer, F.** Kriegschirurgischer Fortbildungskurs, gehalten für Truppenärzte. Militärarzt, Wien, 1915, 49: 185–98.—**Essentials** of residency-type training in United States Naval hospitals. Bull. Am. Coll. Surgeons, 1945, 30: 132.—**MacEachern, M. T.** War and post-war plans for graduate training in surgery. Ibid., 1944, 29: 206–9.—**Stuck, W. G.** The Army postgraduate surgical training program. Texas J. M., 1947–48, 43: 436–9.

—— Introduction.

Miles, A. Military surgery in its relation to the science and art of war. 16p. 12° Lond., n. d.

Barbieri, P. Qué se entiende propiamente por cirugía de guerra? Rev. mil., B. Air., 1942, 42: pt 1, 1181–4.—**Jirásek, A.** [Does war surgery exist?] Cas. lék. česk., 1936, 75: 1642–4.—**Keynes, G.** Machaon; or, The future of surgery. Lancet, Lond., 1934, 1: 1043–8.—**Lockwood, J. S.** Surgery; introduction. In: Advance. Mil. Med., Bost., 1948, 1: 91–4.—**Magliolo, A., & Barbieri, P.** Aspecto y misión de la cirugía de guerra. Rev. san. mil., B. Air., 1939, 38: 985–92.—**Marques Porto, E.** Introducção ao estudo da cirurgia de guerra. Ann. Hosp. centr. exerc., Rio, 1936, No. 1, 33–46. Also Rev. med. cir. Brasil, 1942, 50: 317–25.—[**Opening** of the Institute of War Surgery in the Karl University] Voj. zdravot. listy, 1936, 13: 2–13.—**Pirker, H.** Einführung in die Wehr- und Sportchirurgie. Wien. klin. Wschr., 1938, 51: 1223–5.—**Tarnowsky, G. de.** A short synopsis of military surgery. Mil. Surgeon, 1940, 87: 1–13.—**Zur Verth, M.** Unfallchirurgie, Kriegschirurgie, Seekriegschirurgie. Med. Welt, 1940, 14: 521–3.

—— Juristic aspect.

See **Treatment,** Refusal.

—— Lectures.

Asenjo, A. Symposium de cirugía de guerra: introducción. Arch. Soc. cirujan. hosp., Santiago, 1944, 14: 31–3.—**Black, C. E.** Military plastic and oral surgery; a series of four lectures reviewing some of the recent literature. J. Nat. Dent. Ass., 1919, 6: 3–47.—**Ceballos, A.** Conferencia inaugural del curso sobre cirugía de guerra. Rev. cirug. B. Air., 1942, 21: 247–63. Also Rev. méd., Pucbla, 1943, 16: No. 158, 30; No. 159, 6. Also Rev. mex. cir., 1943, 11: 11–29.—**Matti, H.** Vorlesungen über Feldchirurgie. Praxis, Bern, 1939, 28: 619; 633.—**Rouvillois, H.** Discours d'ouverture de M. le Médecin Général Inspecteur. P. verb. Congr. fr. chir., 1936, 45: 3–26.—**Seedorff, J.** Kriegschirurgische Vorlesungen. Deut. Militärarzt, 1940, 5: 504 (Abstr.) ——— Supplement til krigskirurgiske forelaesninger. Militaerlaegen, 1946, 52: 57–83.—**Vecchi, G.** Chirurgia e guerra; prelezione al corso 1940–41. Gior. venet. sc. med., 1941, 15: 1–12.—**Zimmer.** Wehrmedizin. Wien. klin. Wschr., 1941, 54: 281.

—— Manual.

See also **Field manual; Injury,** Manual.

Bailey, H. Surgery of modern warfare. Pts 1–5. 876p. 25cm. Edinb., 1940–41. Also another edition, 2v. 899p. 25cm. Balt., 1941. Also 2. ed. 2v. 999p. 25cm. Balt., 1942. Also 3. ed. 6 Pts. 22½cm. Edinb., 1944.

Ballingall, Sir G. Outlines of the course of lectures on military surgery. 589p. 8° Edinb., 1833.

Borchard, A. F., & Schmieden, V. Lehrbuch der Kriegschirurgie. 988p. 24½cm. Lpz., 1917. Also 3. Aufl. 821p. 8° Lpz., 1937.

British Medical Students Association. War surgery. 67p. 21½cm. Lond., 1944 [?]

Capaldi, B. Prontuario di chirurgia di guerra in prima linea. 215p. 17cm. Roma, 1943.

Clavelin, C. Précis de chirurgie de guerre et d'organisation chirurgicale aux armées. 430p. 8° Par., 1934. Also 2. éd. 449p. 22cm. Par., 1940.

Dahl-Iversen, E., & Bertelsen, A. Laerebog i krigskirurgi. 223p. 22cm. Kbh., 1940.

Dubs, J. Die Feldchirurgie im schweizerischen Gefechts-Sanitätsdienst; ein Leitfaden für Sanitätsoffiziere und Sanitätsoffiziers-Aspiranten. 2. Aufl. 446p. 24cm. Zür. [1941]

Essentials (Some) in military surgery. 56p. 8° Chic. [1918]

Ettorre, E. Chirurgia di guerra. 332p. 20cm. Roma, 1940.

Ferreri, G. Chirurgia di guerra; orecchio, prime vie respiratorie e loro complicazioni intracraniche. 392p. 12° Roma, 1916.

Franz, C. A. O. Lehrbuch der Kriegschirurgie. 2. Aufl. 424p. 8° Berl., 1936. Also 3. Aufl. 460p. 17cm. Berl., 1942. Also 4. Aufl. 475p. 25cm. Berl., 1944.

——— [The same] Cirugía de guerra. 1. ed. españ. 496p. 26cm. Barcel., 1941.

Fruchaud-Brin, H., Chatellier, J. M. [et al.] Chirurgie de guerre. t. 1: Les plaies de guerre en general. 847p. 21cm. Beirut, 1943.

Geselevich, A. M. Оперативная хирургия войскового района. 148p. 22cm. Moskva, 1944.

Gorkovskij gosudarstvennyj medicinskij institut im. S. M. Kirova. Вопросы хирургии войны, желудочной хирургии и урологии. 560p. 25cm. Gorky, 1942.

Jolly, D. W. Field surgery in total war. 242p. 19cm. Lond., 1940.

Käfer, H. Feldchirurgie; Leitfaden für den Sanitätsoffizier der Wehrmacht. 354p. 20cm. Dresd., 1940. Also 2. Aufl. 372p. 20cm. Dresd., 1941. Also 4. Aufl. 396p. 20cm. Dresd., 1942. Also 5. & 6. Aufl. 404p. 20cm. Dresd., 1943. Also 7. & 8. Aufl. 407p. 20cm. Dresd., 1943. Also 9. Aufl. 407p. 20cm. Dresd., 1944.

Kuprijanov, P. A., & Banaitis, S. I. Краткий курс военно-полевой хирургии. 436p. 22½cm. Moskva, 1942.

Martin Santos, L. Manual de cirugía de guerra. 445p. 24½cm. S. Sebastian, 1941.

Moppert, G. Kriegschirurgie. p. 811–40. 26½cm. Basel, 1949.
In: Lehrb. Chir. (Brunner, A.) Basel, 1949, **1**:

Moskva. Khirurgićeskaja klinika instituta im. Sklifosovskogo. Kafedra neotložnoj khirurgii. Zametki po voenno-polevoj khirurgii. 646p. 22cm. Moskva, 1943.

Ogilvie, W. H. Forward surgery in modern war. 3. impr. 96p. 22½cm. Lond., 1944.

Oltramare, J. H. Chirurgie de guerre. 490p. 25cm. Lausanne, 1944.

Oppel, V. A. Oćerki khirurgii vojny. 399p. 22½cm. Leningr., 1940.

Orator, V. Leitfaden der Feldchirurgie im Bewegungskrieg. 146p. 20½cm. Lpz., 1942. Also 2. u. 3. Aufl. 225p. 21cm. Lpz., 1943.

Petrov, N. N., & Kuprijanov, P. A. Лечение ранений на войне. Изд. 6. 423p. 22½cm. Leningr., 1942.

Pirogov, N. I. Начала общей военно-полевой хирургии, взятые из наблюдений военно-госпитальной практики и воспоминаний о Крымской войне и Кавказской экспедиции. 2v. 338p.; 535p. 23cm. Moskva, 1941–44.

Rietz, T. S. Kriegskirurgiens grunder. p. 5–71. 22½cm. Stockh., 1940.
In: Handledn. & Försvarsmed., Stockh., 1940, **2**:

Schönwerth, A. Taschenbuch des Feldarztes. T. I: Kriegs-Chirurgie. 4. Aufl. 226p. 18cm. Münch., 1915.

Schörcher, F. Septische Chirurgie und Feld-Chirurgie. 411p. 25½cm. Lpz., 1944.

Schum, H. Einführung in die Wehrchirurgie. 251p. 25cm. Stuttg., 1935.

Sheehan, J. E. General and plastic surgery, with emphasis on war injuries. 345p. 24cm. N. Y., 1945.

Sousa Ferreira, J. A. de. Curso de cirurgia de guerra. 633p. 8° Rio, 1930.

Spatz, H. Kriegschirurgischer Ratgeber. 222p. 23cm. Münch., 1941.

Takeuti, K. Gunzin gekagaku [Military surgery] v. 1. 787p. 25½cm. Tokyo, 1944.

Trueta Raspall, J. The principles and practice of war surgery. 441p. 25½cm. S. Louis, 1943. Also 3. ed. 426p. 24cm. Lond., 1946.

Uffreduzzi, O. Guida per il chirurgo in guerra. 197p. 16° Tor., 1915.

—— & Teneff, S. Chirurgia di guerra. 1274p. 24½cm. Tor., 1940.

Velikorecky, A. N., & Kruzkov, V. A. Учебник хирургии для фельдшерских школ. 2 изд. 551p. 23cm. Moskva, 1938.

Zillmer, W. Kriegschirurgie im Reservelazarett. 508p. 20cm. Dresd., 1943. Also 3. Aufl. 600p. 20cm. Dresd., 1944.

Zimmer, A. Kriegschirurgie. 2 v. 703p.; 630p. 24½cm. Wien, 1944.
Forms v. 1–2 of his Wehrmed., Wien, 1944.

Announcement of surgical manuals. Army M. Bull., 1942, No. 64, 133.—**Berry, F. B.** Military surgery. In: Textb. Gen. Surg. (Cole, W. H.) 5. ed., N. Y., 1948, 1072–109.

—— mental.

See **Psychosurgery.**

—— Methods.

See also **Surgical service; Surgical technic.**

Gómez-Durán, M. Cirugía de guerra. Tomo 1: Cirugía cavitaria. 423p. 25cm. Madr., 1938.

Martens, M. Kriegschirurgisches Merkblatt. 27p. 8° Berl., 1918.

Port, J. Kriegsverbandschule; Anleitung zur Selbstherstellung von Apparaten für den Transport der Schwerverwundeten und für die Behandlung eiternder Knochenbrüche, nebst einem Anhang. 66p. 8° Stuttg., 1904.

Banaitis, S. I. Khirurgićeskie sredstva usilenija. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 122–6—**Bordonaro, F.** Contributo clinico alla chirurgia conservativa di guerra. Chir. org. movim., 1939–40, **25**: 189–212.—**Calot.** A plea for more conservatism in war surgery. Monde méd., 1916, **26**: 33; 69.—**Câmpeanu, L.** La biochirurgia in guerra. Policlinico, 1944, **51**: sez. prat. 221–30.—**Daniels, D. W.** Methods of treatment suggested by war surgery. Clin. J., Lond., 1920, **49**: 47.—**Harcourt, J. d', Folch Pi, A., & Oriol Anguera, A.** La cure occlusive en chirurgie de guerre. J. chir., Par., 1940, **56**: 248.—**Lowman, K. E.** Practical hints in general surgery. Mil. Surgeon, 1937, **81**: 200–5.—**Monro, D. C.** Surgical rearmament. J. R. Army M. Corps, 1940, **74**: 205–11—**Moppert, M.** Procédés nouveaux de la chirurgie de guerre. Schweiz. med. Wschr., 1946, **76**: 61.—**Morrow, E. V.** War surgery and treatment. Northwest M., 1916, **15**: 128–31.—**Ravdin, I. S.** New surgical methods of military significance. Surg. Clin. N. America, 1941, **21**: 1525–31.—**Verrier.** A propos du procès-verbal de la dernière séance au sujet de la communication de M. le Dr. Albespy sur les trois grandes méthodes de la chirurgie de guerre. Montpellier méd., 1917, **39**: 1061–3.—**War** surgery; information afforded. Brit. M. J., 1940, **2**: 675.

—— naval.

See **Naval surgery**; also **Destroyer.**

—— neural.

See **Neurosurgery.**

—— orthopedic.

See **Orthopedics.**

—— peacetime.

Adolph, P. E. War surgery and peace surgery. In his Surg. Speaks to China, Phila., 1945, 183–92.—**Bloodgood, J. C.** What the civil surgeon can do for military surgery in times of peace. Tr. South. Surg. Ass., 1914, **27**: 157–65; Disc., 180–6. Also South. M. J., 1915, **8**: 950–7.—**Morjardino, J.** Cirurgia na guerra e cirurgia na paz. Bol. Soc. med. cir. mil., Rio, 1919–20 **5**: 25–42.—**Oliveira, E. de.** Da cirurgia de guerra à cirurgia de paz. Impr. méd., Rio, 1945–46, **21**: No. 378, 25–31.—**Schönbauer, L.** Kriegshirurgische Erfahrungen im Frieden. Münch. med. Wschr.,1940, **87**: 359.—**West, J. W.** Peace time military surgery. Proc. R. Soc. M., Lond., 1926–27, **20**: Sect. War, 5–13.

—— Periodicals.

See under **Journals.**

—— plastic.

See **Plastic surgery**; also **Surgical technic,** reconstructive.

—— Principles.

See also **Division,** Infantry.

Heim, H. Kriegschirurgische Richtlinien. 52p. 17cm. Lpz., 1944.

RIETZ, T. S. Krigskirurgiens grunder. p.797–864. 22cm. Stockh., 1940.
In: Sven. läk. tidn., 1940, 37: 797–864.

SCHÖNE, G. Grundsätzliche Fragen der Kriegschirurgie. p.401–80. 24cm. Berl., 1937.
Deut. Zschr. Chir., 1937–38, 249:

Bastos. Varios standards de cirugía de guerra. Rev. sanguerra, Barcel., 1937, 1: 173–81. Also Rev. san. mil., Asunción, 1937–38, 10: 627–36. Also Rev. san. mil., B. Air., 1938, 37: 321–30.—**Binhold, H.** Einige kriegschirurgische Gesichtspunkte. In: Kriegschir. Ratgeber, Berl., 1941, 20–7.—**Bobbio, A.** Indicazioni chirurgiche e scelta degli interventi operatori nella chirurgia di guerra. Med. contemp., Tor., 1940, 6: 309–14.—**Brodnitz.** Die allgemeinen Gesichtspunkte in der modernen Kriegschirurgie. Zschr. ärztl. Fortbild., 1914, 11: 563–5.—**Cavina, G.** Direttive pratiche di chirurgia di guerra. Policlinico, 1940, 47: sez. prat., 1305–15.—**Crile, G. W.** The most important factor in the treatment of war wounds and the most important factor in civilian surgery; the good surgeon. Tr. Am. Surg. Ass., 1919, 37: 35–7; Disc., 55–60.—**Cunha, B.** Generalidades sobre cirurgia de guerra. Arq. brasil. cir., 1941, 9: 21–31.—**Fiolle, J.** Some general principles taught by war surgery. Railw. Surg. J., 1918–19, 25: 125.—**Fraenkel, A.** Einige allgemeine Bemerkungen zur modernen Kriegschirurgie. Wien. klin. Wschr., 1914, 27: 1307; 1323.—**Fruchaud.** Les bases de la chirurgie de guerre. Rev. sc. méd. fr. Moyen Orient, 1942, 1: 2–10.—**Gómez-Durán, M.** Principios fundamentales en cirugía de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 514–53. Also Clín. hig. & hidr., Lisb., 1939, 5: 375–404. Also Rev. españ. med. cir. guerra, 1939, 3: 1; 81.—**Kirk, N. T.** Present concepts of military surgery. Med. Ann. District of Columbia, 1944, 13: 405–7.—**Klink, W. P.** Leitsätze der Kriegschirurgie. Ther. Gegenwart, 1915, 56: 68–70.—**Koenigsberg, L. de.** Conceptos fundamentales en cirugía de guerra. Rev. san. mil., B. Air., 1942, 41: 295–7.—**Läwen, A.** Grundsätzliches in der Kriegschirurgie. Arch. klin. Chir., 1940, 199: 1–28. Also Klin. Wschr., 1940, 19: 724. Also Münch. med. Wschr., 1940, 87: 764. Also Zbl. Gyn., 1940, 64: 916–8. ——— Grundsätze der Kriegschirurgie. Med. Klin., Berl., 1940, 36: 447.—**Lucas-Championnière.** Les règles à suivre en chirurgie de guerre. Gaz. méd. Paris, 1913, 84: 206.—**Maes, U.** War surgery; some general considerations. Tristate M. J., 1942–43, 15: 2820–3.—**Marsiglia, G.** Appunti di chirurgia di guerra. Riforma med., 1916, 32: 893–902.—**Métivet, G.** Quelques principes de chirurgie de guerre. Mém. Acad. chir., Par., 1940, 66: 425–8. Also Port. transl., Rev. med. mil., Rio, 1941, 30: 413–20. Also Spanish transl., Rev. san. mil., B. Air., 1941, 40: 548–54.—**Oettingen.** Allgemeine Gesichtspunkte für die chirurgische Tätigkeit in Front, Etappe und Heimat. Deut. med. Wschr., 1914, 40: 1739.—**Ogilvie, W. H.** General principles of war surgery. Guy's Hosp. Gaz., Lond., 1943, 57: 176–81.—**Peiser, A.** Die Fascienspaltung als erhaltendes Prinzip in der Kriegschirurgie. Med. Klin., Berl., 1916, 12: 874.—**Robiou G., E.** Principios de cirugía de guerra. Rev. mex. cirug., 1941, 9: 281–92. Also Rev. méd., Puebla, 1942, 15: 16–24.—**Seedorf, J.** [General principles of war surgery] Militaerlaegen, 1939, 45: 115–26.—**Trueta, J.** The biological principles of treatment. In his Princip. & Pract. War Surg., S. Louis, 1943, 21.—**Turner, G. G.** The importance of general principles in military surgery. J. R. Army M. Corps, 1916, 26: 558–79.

—— Problems.

Beck, C. S. Surgical problems of war. Bull. Acad. M. Cleveland, 1942, 27: No. 3, 7.—**Broster, L. R.** Surgical problems of the war. Ann. Surg., 1941, 113: 891–909.—**Buchka, A.** Praktische Fragen der Kriegschirurgie. Wien. klin. Wschr., 1939, 52: 805–10.—**DeBakey, M. E., & Carter, B. N.** Current considerations of war surgery. Ann. Surg., 1945, 121: 545–63.—**Ernst, M.** Kriegschirurgische Aufgaben und Probleme im Einsatz. Münch. med. Wschr., 1941, 88: 209–13. Also Nord. med., 1941, 11: 2444 (Abstr.)—**Faltin, R.** Bidrag till lösandet av några krigskirurgiska uppgifter. Ibid., 1942, 15: 2157–64.—**Gohrbandt, E.** Kriegschirurgische Aufgaben. Med. Welt, 1937, 11: 1707–9.—**Gordon-Taylor, G.** Certain surgical problems of modern warfare. N. England J. M., 1942, 226: 510.—**Hinterstoisser, H.** Kriegschirurgische Betrachtungen. Wien. klin. Wschr., 1914, 27: 1655.—**Holmes, C. D.** Some problems of the Army surgery. Kentucky M. J., 1941, 39: 235–7.—**Lombard, P.** Propos de chirurgie de guerre. Afrique fr. chir., 1944, 2: 98.—**Morison, J. R.** Some points in war surgery. Surg. Gyn. Obst., 1919, 29: 348–61.—**Naegeli, T.** Aufgaben, Wesen, Entwicklung und Erfolge der modernen Kriegschirurgie. Schweiz. med. Wschr., 1945, 75: 1–6.—**Percy, N. M.** Some phases of war surgery. Illinois M. J., 1919, 36: 113–8.—**Plzak, L. F.** The surgical problems of war. Q. Chicago M. School, 1941–42, 2: No. 2, 6–8.—**Rivas Morales, J. C.** Los problemas de cirugía en la guerra total. Gac. méd. Caracas, 1944, 51: 97–103.—**Rossi, B.** Problemi chirurgici della sanità militare. Clin. chir., Milano, 1931, 34: 693–8.—**Rossiter, P. S.** Similarity of surgical problems in the Navy and in railway surgery. Proc. Med. Surg. Sect. Am. Railw. Ass., 1935, 15: 53–61.—**Shivers, G. C.** Problems of military surgery. Mil. Surgeon, 1941, 89: 776–85.—**Surgical** problems of total war. Australas. J. Pharm., 1941, 22: 683. Also Brit. J. Nurs., 1942, 90: 4.—**Wachsmuth, W.** Aufgaben und Wege in der Kriegschirurgie. Deut. Militärarzt, 1942, 7: 65–9. Also Schweiz. med. Wschr., 1942, 72: 778 (Abstr.) ——— Problemas de cirugía de guerra; cómo han de resolverse? Rev. san. mil., B. Air., 1942, 41: 796–804.

—— Progress.

Archibald, E. W. New and old in war surgery. Canad. M. Ass. J., 1942, 47: 93–103.—**Bauer, K. H.** War surgery. CIOS Rep., Lond., 1945, Item 24, No. XXX–50, 71.—**Billet, H.** Chronique chirurgicale. Arch. méd. pharm. mil., 1921, 75: 321–37.—**Broster, L. R.** A survey of war surgery. Brit. M. J., 1941, 2: 273–5.—**Brunner, W.** Neues über Kriegschirurgie. Schweiz. med. Wschr., 1943, 73: 955–7.—**Bunts, A. T.** Recent developments in military surgery. Bull. Acad. M. Cleveland, 1940, 25: No. 11, 9.—**Chiurco, G. A.** Insegnamenti chirurgici delle guerre moderne. Rass. clin. sc., 1940, 18: 303–6.—**Delorme.** Sur l'état présent de la chirurgie de guerre. Rev. sc., Par., 1912, 2: 746–52.—**Flath.** Chirurgische Neurungen und ihre Bedeutung für die militärärztliche Praxis. Deut. mil. ärztl. Zschr., 1913, 42: 167–75.—**Franz, C.** Neues in der Kriegschirurgie. Münch. med. Wschr., 1943, 90: 521–6.—**Gagliardone, C.** Consideraciones sobre el estado actual de la cirugía de guerra. Rev. san. mil., Asunción, 1944, No. 140, 31–4.—**Glickman, A. M.** Progress in surgery in war and peace. Phi Delta Epsilon News, 1946, 37: 175–7.—**Gómez Durán, M.** Los progresos fundamentales en cirugía de guerra. Gac. méd. españ., 1942, 16: 14–21. ——— Los progresos fundamentales en cirugía en guerra. Med. & cir. guerra, 1948, 10: 123–69.—**Holbeck, Q.** Fortschritte der Kriegschirurgie. S. Petersb. med. Zschr., 1914, 39: 47–9.—**Johnson, L. W.** Surgical highlights of 1938. U. S. Nav. M. Bull., 1939, 37: 11–21. ——— Surgical high-lights of 1939. Ibid., 1940, 38: 95–117.—**Küttner.** Moderne Kriegschirurgie. Deut. med. Wschr., 1912, 38: 1954.—**Lacaux, J. M. F.** L'actualité chirurgicale. Rev. Serv. san. mil., Par., 1939, 110: 23–45.—**Le Fort, R.** Les aspects variés de la chirurgie de guerre. Presse méd., 1916, 24: 193.—**McCreery, C. R.** Progress from war surgery. Northwest M., 1943, 42: 78–80.—**MacFarlane, J. A.** Trends in military surgery. Canad. Nurse, 1941, 37: 97–9.—**Maisonnet.** La chirurgie de guerre; ses caractéristiques, son passé. Arch. méd. belges, 1927, 80: 401–19.—**Marques Porto, E.** Aspectos atuais da cirurgia de guerra. Rev. med. cir. Brasil, 1941, 49: 517–21. ——— Recentes adiantamentos da cirurgia de guerra. Rev. brasil. cirurg., 1943, 12: 515–24. Also Rev. med. cir. Brasil, 1943, 51: 459–70.—**Max-Page, C.** Some reflections on the development of war surgery. J. R. Army M. Corps, 1940, 74: 192–6.—**Moorhead, J. J.** Trends in war surgery. Surg. Clin. N. America, 1943, 23: 313–20.—**Ogilvie, W. H.** Surgical advances during the war. J. R. Army M. Corps, 1945, 85: 259–65.—**Oliveira, E. de.** Aspectos modernos da cirurgia de guerra. Hospital, Rio, 1942, 22: 373–89. Also Rev. med. mil., Rio, 1942, 31: 141–60. Also Rev. méd. Pernambuco, 1942, 12: 239; 270.—**Paitre, R. F. C.** Chronique chirurgicale. Arch. méd. pharm. mil., 1924, 80: 47–68.—**Plisson, L.** Chronique chirurgicale. Ibid., 1923, 78: 43–69.—**Posner.** Kriegschirurgie; Rückblick und Ausblick. Chirurg, 1935, 7: 494; 522; 569.—**Rankin, F. W.** Current trends in military surgery. Kentucky M. J., 1944, 42: 11–5.—**Sacadura Botte, J. M.** Cirurgia de guerra; orientação moderna. Bol. Dir. serv. saúde mil., 1946, 9: 5–22.—**Schum, H.** Wandlungen in der Kriegschirurgie. Chirurg, 1936, 8: 193; 237; 354.—**Solcard.** La chirurgie moderne. Arch. méd. pharm. nav., 1936, 126: 305–13.—**Stanbro, G. E.** A review of war surgery. J. Oklahoma M. Ass., 1942, 35: 241–5.—**Usadel, W.** War surgery. CIOS Rep., Lond., 1945, Item 24, No. XXX–50, 83.—**Wakeley, C. P. G.** Progress in war-time surgery. Nurs. Times, Lond., 1943, 39: 4.—**Wenger, H.** Neues aus der Kriegschirurgie. Mschr. prakt. Tierh., 1914–15, 26: 460–73.—**X.** La nouvelle chirurgie de guerre. Bull. méd., Par., 1917, 31: 513.—**Zaorski, J.** Blaski i cienie chirurgii wojennej. Polski tygod. lek., 1946, 1: 241–5.

—— Relation to civilian surgery.

Anderson, W. The transition from war surgery to civil surgery. Edinburgh M. J., 1945, 52: 241–51.—**Bowlby, A.** On the application of war methods to civil practice. Proc. R. Soc. M., Lond., 1919–20, 13: Sect. Clin., 35–48.—**Brunn, W. v.** Der Krieg als Lehrmeister der Chirurgie. Münch. med. Wschr., 1935, 82: 243–6. ——— Der Krieg als Lehrmeister der Chirurgie. In: Kriegschir. Ratgeber, Berl., 1941, 9–19. Also Aerztebl. Hessen, 1941, 9: 59. Also Zahnärztl. Mitt., 1941, 32: 60–2.—**Cachin.** De quelques enseignements chirurgicaux de la récente guerre; leurs applications à la pratique civile. Rev. méd. Suisse rom., 1946, 66: 332.—**Cathelin, F.** Chirurgie de guerre et chirurgie civile. Paris méd., 1913–15, 15: 446–50.—**Chiurco, G. A.** Indirizzo conservativo nella chirurgia di guerra e nella pratica civile. Gior. med. mil., 1940, 88: 262–8.—**Cole W. H.** Differences between civilian and military surgery. Mississippi Valley M. J., 1944, 66: 52–5.—**Cookinham, F. H.** Some contributions of war surgery to civilian practice. Pacific Coast J. Homoeop., 1920, 31: 49–54.—**Cope, V. Z.** Influence of war upon surgery. Nature, Lond., 1941, 148: 577–80.—**Crile, G. W.** The value of military surgery in civilian practice. Illinois M. J., 1920, 37: 1–7.—**Cutler, C. W., jr.** Profits to peace-time practice from surgical experiences of war. Ann. Surg., 1945, 122: 734–43.—**Descoeudres.** Applications de la chirurgie de guerre à la chirurgie civile. Rev. méd. Suisse rom., 1918, 38: 211.—**Fahrni, G. S.** The impact of military surgery on civilian practice. Manitoba M. Rev., 1946, 26: 134–40.—**Farreras, P.** Influencia de la cirugia de guerra en la cirugia

general. Rev. españ. med. cir., 1919, 2: 256–63.—**Flowers, S. H.** Civilian application of wartime surgical advances. Kentucky M. J., 1946, 44: 363.—**Frölich, J.** Kriegschirurgische Erfahrungen und deren Verwertung für den Rettungsdienst. Amtsarzt, 1913, 5: 295–9.—**Hartwell, J. A., & Butler, E. F.** The application of the teachings of war surgery to civil hospital conditions. Surg. Gyn. Obst., 1918, 27: 377–85. Also Tr. Am. Surg. Ass., 1918, 36: 26–44; Disc., 76–81.—**Kergin, F. G.** The application of the principles of military surgery to civilian practice. Univ. Toronto M. J., 1945–46, 23: 186–8.—**Lower, W. E.** The application of military surgery to civil practice. Ohio M. J., 1917, 12: 810.—**McMechan, F. H.** The value of military surgery in civilian practice; results of anociation in reducing mortality. Charlotte M. J., 1920, 81: 139.—**Nikoliš, G.** Ka pitanju jedinstvene hirurske doktrine. Voj. san. pregl., Beogr., 1944, 1: No. 2, 3–6.—**Pilcher, L. S.** The influence of war surgery upon civil practice. Tr. Am. Surg. Ass., 1919, 37: 1–14.—**Post-war** skill; prompt decisions and speed expected to have far-reaching effect upon surgery. War Doctor, 1943–44, 2: No. 6, 3–5.—**Souza Ferreira, J. A. de.** Medicina civil, medicina militar e o médico da reserva. Rev. med. cir. Brasil, 1942, 50: 303–10.—**Stephens, H. E. R.** The influence of wars on the craft of surgery. Proc. R. Soc. M., Lond., 1933, 27: Unit. serv. sec., 59–64. Also J. R. Nav. M. Serv., 1934, 20: 2–8.—**Steward, F. J.** The application of war surgery to civil practice. Guy's Hosp. Gaz., Lond., 1918, 396–400.—**Vander Veer, E. A.** What would be the benefit to the civilian surgeon in the experience gained by our military surgeons in the recent world war? Tr. Am. Surg. Ass., 1919, 37: 44–51; Disc., 55–60.

—— Ski surgery.

See as main heading.

—— special.

See also names of surgical specialties.

Entin, D. A. Военная челюстно-лицевая хирургия. 3 изд. 231p. 22cm. Moskva, 1945.

Northfield, D. W. C., McAlpine, D. [et al.] Special surgery in wartime. 74p. 22cm. Lond., 1940.

Davies, R. Special military surgery. Med. J. Australia, 1920, 1: 501–5.—**Rankin, F. W.** The mission of surgical specialists in the U. S. Army. Surg. Gyn. Obst., 1945, 80: 441–4.

—— Tactical aspects.

See also **Surgical organization.**

Franz. Die Wechselbeziehungen zwischen Kriegschirurgie und Sanitätsorganisation beziehungsweise Sanitätstaktik. Deut. Militärarzt, 1936, 1: 2–11.—**Mihăilescu, Tr., & Riga, I. T.** [War surgery and sanitary tactics] Rev. san. mil., Bucur., 1939, 38: 21–7.

—— thoracic.

See **Thoracic surgery.**

—— traumatic.

See also **Traumatology**; also **Injury.**

Trueta, J. An atlas of traumatic surgery; illustrated histories of wounds of the extremities. 150p. 25½cm. Oxf., 1949.

Bueermann, W. H. Surgical considerations of war casualties. Northwest M., 1943, 42: 67–72.—**Dubois, M.** Die physikalische Behandlung Unfall- und Kriegsverletzter. Schweiz. med. Wschr., 1942, 72: 857–61.—**Lasher, W. W.** Traumatic surgery in its relation to military service. Mil. Surgeon, 1940, 86: 162–6.—**Moorhead, J. J.** Traumatic surgery of today and tomorrow. Army M. Bull., 1937, No. 39, 31–44.—**Ostermann, F. A.** Ist unsere heutige Behandlung der Unfall-Verletzten immer zweckmässig? Vjschr. schweiz. Sanitätsoff., 1943, 20: 84 (Abstr.)—**Rost, G. S.** Principles of military surgery applicable to civil practice, with especial reference to acute traumatic lesions. J. Iowa M. Soc., 1946, 36: 396.—**Shilling, C. W., & Duff, I. F.** Injuries and occasion for traumatic surgery aboard submarines. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 137–43.—**Warthen, H. J., jr.** War injuries in civil practice. Surg. Gyn. Obst., 1944, 78: 200–6.

—— Veterans.

[Minneapolis] United States Veterans' Hospital. Surgical staff seminars. Minneap., v.1, No. 1, 1946–

Dunphy, J. E. The practice and teaching of surgery in Veterans Administration hospitals. N. England J. M., 1949, 240: 1–5.—**Hamilton, J. E., Griswold, R. A., & White, E. C.** The surgical residency training program in a new Veterans Administration hospital. Tr. South. Surg. Ass. (1948) 1949, 60: 454–64.—**Puestow, C. B.** Graduate training in surgery in Veterans Administration hospitals. Ann. Surg., 1947, 126: 500–8. Also Tr. Am. Surg. Ass., 1947, 65: 120–8. ——— Graduate training in general surgery and the surgical specialties in a Veterans Administration hospital. Bull. Am. Coll. Surgeons, 1948, 33: 100–4.

—— by countries.

Dubs, J. La chirurgie de guerre dans l'Armée Suisse; précis pour officiers et aspirants du Service de santé. 322p. 24cm. Zür., 1939.

Alvarez, A. H. Cirugía de guerra en el Ecuador. Crón. méd. quir. Habana, 1913, 39: 370–4.—**Barrenechea T., A.** Informe que eleva el cirujano de la ex-región militar No. 4, ante la consideración del Sr. Coronel Director Gral; sanidad mildetiar. Rev. san. mil., La Paz, 1940, 4: 839–43.—**Delgado Carpio, I.** Labor de la sanidad y del cirujano militar como organos del Ejército. Ibid., 848–50.—**Fagarașanu, I.** [War surgery] România med., 1940, 18: 129.—**Hejduk, B.** Some problems of war surgery to be solved in post-war Czechoslovakia Bull. Czech. M. Ass. Gr. Britain, 1942, No. 3, 21–5.—**Léon, F.** Algunas noticias relativas a la cirugía de guerra en el Peru. Crón. méd., Lima, 1918, 35: 324–9.—**Silverio y Sainz, J.** La cirugía en el Ejército. In: San. milit. cubana (Cuba. Ejérc. Secc. san.) Habana, 1928, 145–9.—**Zalewski, F.** Przygotowywanie zespołów chirurgicznych na czas wojny. Lek. wojsk., 1933, 21: 392–6.

—— by countries: France.

D., L. La médecine militaire; le mal qui la tue. Caducée, Par., 1905, 5: No. 4, suppl. p. iv–vi.—**Fourmestraux, J. de.** La chirurgie française pendant la guerre. Bruxelles méd., 1934–35, 15: 450–5.—**French** military surgery a hundred years ago, Lancet, Lond., 1916, 1: 630.—**Lucas-Championnière, J. M. M., & Reclus, J. J. P.** Sur la chirurgie d'armée [Discussion] Bull. Acad. méd., Par., 1913, 3. ser., 69: 391–402.

—— by countries: Germany.

Bernhard, F. Kriegschirurgie. Klin. Wschr., 1940, 19: 607.—**Brunn, W. v.** Erfolge der deutschen Kriegschirurgie in vergangenen Jahrhunderten. Deut. med. Wschr., 1940, 66: 353–5.—**Klass, A. A.** German war surgery. Manitoba M. Rev., 1945, 25: 540–3.—**Magee, R. K.** Observations on German war surgery. Canad. M. Ass. J., 1946, 54: 544–7.

—— by countries: Great Britain.

Bowlby, A. The Hunterian oration on British military surgery in the time of Hunter and in the Great War. 47p. 8° Lond., 1919.

Donald, C. The future of surgery in the Army. J. R. Army M. Corps, 1945, 85: 283–6.—**Duarte da Cunha, B.** Aspectos da cirurgia de guerra na Inglaterra. Rev. med. mil., Rio, 1947, 36: 14–25.—**Loveland, J. E.** Scotch and Irish surgery. Am. J. Surg., 1937, 35: 621–5.—**Monro, D. C.** Surgery in the Army. J. R. Army M. Corps, 1940, 74: 249; 313.

—— by countries: Italy.

Teneff, S. Generalità sull'organizzazione e sulle attività chirurgiche in guerra. p.40–88. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Caccia, F. War surgery [Italy] J. Am. M. Ass., 1941, 116: 1595.—**Cesarini, A.** I precursori italiani della chirurgia di guerra e Giovanni Yperman. Rass. clin. ter., 1936, 35: Atti, 10–25.

—— by countries: Japan.

Haga, E. Nissin, Nitiro ryō-sen-go tōzi ni okeru gunzin geka no gaiyō [A survey of military surgery at the time of the Sino-Japanese War (1895) and the Russo-Japanese War (1904–05)] Nippon igaku, 1941, 1758.

—— by countries: Russia.

British (A) surgeon's impression of Russian war surgery. J. Am. M. Ass., 1943, 123: 499.—**Dubs.** N. I. Pirogov (1810–1881) als Kriegs-Chirurg und der Sanitätsdienst seiner Zeit. Helvet. med. acta, 1938, 5: 441–73.—**Impressions** of Russian surgery. Lancet, Lond., 1943, 2: 198.—**Jones, R. W.** Los cirujanos rusos y la cirugía rusa. Rev. san. mil., B. Air., 1943, 42: 711–5.—**Lobova, L. P.** [Watson-Jones on Soviet surgeons and Soviet surgery] Med. rabot., 1944, 7: No. 9, 4.—**Priorov, N.** Soviet surgery. Med. Press & Circ., Lond., 1945, 213: 126.—**Rubashev, S. M.** [Field surgery during the last 20 years] Sovet. vrach. gaz., 1934, 38: 1155–62.—**Soviet** surgery. J. Am. M. Ass., 1943, 123: 776.—**Watson-Jones, R.** Russian surgeons and Russian surgery. Brit. M. J., 1943, 2: 276.

—— by countries: Spain.

War surgery in Spain. J. Am. M. Ass., 1939, 113: 157.

—— by countries: United States.

Cutler, E. C. American views. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 59–67.—**Pruneda, J.** Impresiones de un viaje a los Estados Unidos; panorama quirúrgico de Norteamérica. Med. & cir. guerra, 1947, 9: 475–91.

—— by periods.

Montserrat, S. La cirugía de guerra en la antigua Roma imperial. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 337–44.—**Rostock, P.** Unfall- und Kriegschirurgie in Aegypten vor 4500 Jahren. Chirurg, 1938, **10:** 127–30.—**Steele, P.** War surgery in the ancient world. Med. Rec., N. Y., 1941, **153:** 246–8.

—— by periods: 16. century.

Clowes, W. The cure of a soldier. In his Select. Writings, Lond., 1948, 98–103. ——— The cure of a servingman. Ibid., 104–6. ——— The cure of a lieutenant. Ibid., 132–42.—**Pejml, K.** [Field surgery at the end of the XVI century] Voj. zdrav. listy, 1937, **13:** 247–50.—**Stewart, D.** Military surgery in the 16. century. J. R. Army M. Corps, 1949, **92:** 229–37.—**Webb, H. J.** English military surgery during the age of Elizabeth. Bull. Hist. M., 1944, **15:** 261–75.

—— by periods: 17. and 18. centuries.

Chirurgie de guerre au xviii[e] siècle; ablation d'une hernie cérébrale; prothèse nasale. Chron. méd., Par., 1917, **24:** 240.—**Krauss, H.** Kriegschirurgie vor 200 Jahren. Hippokrates, Stuttg., 1941, **12:** 914–7.—**Power, D'A.** The brave soldier; an operation for the removal of a fatty tumor in the year 1665. Med. J. & Rec., 1926, **123:** 258.

—— by periods: 19. and 20. centuries.

Camera, U. L'esperienza e gli insegnamenti della passata guerra di fronte ai problemi di chirurgia bellica del presente. Boll. Soc. piemont. chir., 1940, **9:** 119–65.—**Chievitz, O.** En oversigt over moderne kriegschirurgie. Bibl. laeger, 1916, **108:** 153; passim.—**Current** aspects of military surgery. J. Am. M. Ass., 1915, **64:** 832.—**Etat** (L') présent de la pratique de la chirurgie de guerre. Caducée, Par., 1912, **12:** 285–7.—**Haycraft, J. B.** War surgery, 1914 to 1941. Proc. Cardiff M. Soc., 1941–42, 1–4.—**Küttner, H.** Modern military surgery. Postgraduate, N. Y., 1913, **28:** 606–24.—**Littlejohn, C. W. B.** Surgery in two world wars. Med. J. Australia, 1946, **2:** 659–61.—**Magruder, E. P.** A glimpse into present-day military surgery. Am. J. Surg., 1915, **29:** 310.—**Mitchiner, P. H.** Surgery in two wars, 1914–18; 1939–45. Ann. R. Coll. Surgeons England, 1947, **1:** 100–11.—**Ravdin, I. S.** A new era in military surgery. Texas Rep. Biol. M., 1943, **1:** 211–26.—**Somervell, T. H.** War surgery, 1914–18 and now. J. Christ. M. Ass. India, 1943, **18:** 4–11.—**Thomson, J. E. M.** Recent advances in war surgery. Nebraska M. J., 1943, **28:** 317–22.—**Trueta, J.** Ten years of war surgery. S. Barth. Hosp. J., Lond., 1947–48, **51:** 181; 1948–49, **52:** 15.

—— in wartime.

Aievoli, E. Insegnamenti di chirurgia di guerra. Gazz. med. sicil., 1916, **19:** 553–8.—**Aliçh, S.** [War and surgery] Askerî sıhhiye mecmuası, 1937, **66:** No. 19, 1–17. ——— [Surgery in war] Ibid., 1938, No. 24, 66–74.—**Barnard, F. S.** Influence of surgery on the outcome of the present war. Pacific Coast J. Homoeop., 1918, **29:** 162–8.—**Butoiano, M. S.** [Evolution of surgery during the war] Rev. san. mil., Bucur., 1933, **32:** 467–79.—**Camera, U.** L'esperienza e gli insegnamenti della passata guerra di fronte ai problemi di chirurgia bellica del presente. Boll. Soc. piemont. chir., 1940, **10:** 119–65.—**Chiurco, G. A.** Ensinamentos cirúrgicos das guerras modernas. Resenha clin. cient., S. Paulo, 1941, **10:** 103–7.—**Clark, J. G.** New surgical problems due to the war. Surg. Gyn. Obst., 1917, **25:** 700.—**Coller, F. A., & Farris, J. M.** The surgery of modern warfare. Ibid., 1941, **72:** 15–25.—**Collins, D. C.** Surgical lessons learned in the past war. J. Internat. Coll. Surgeons, 1946, **9:** 453–5.—**Cutler, C. W.,** jr. Get them back; surgical lessons from the war. N. York State J. M., 1939, **39:** 141–4.—**Fiolle, J.** Les enseignements généraux de la chirurgie de guerre. In his Essais chir. mod., Par., 1919, 155–60.—**Forgue.** Las adquisiciones quirúrgicas de la guerra. Siglo méd., 1922, **70:** 152; 176.—**Gallie, W. E.** Some lessons learned in the Great War. Surg. Gyn. Obst., 1942, **74:** 370–4.—**Gosset, A.** Les enseignements à tirer de la précédente guerre au point de vue chirurgical. Monde méd., 1940, **50:** 1–4. Also Monde méd. (Ed. españ.) 1940, **50:** 129–32.—**Gray, H. K.** Some of the surgical lessons learned in World War II. Hawaii M. J., 1944–45, **4:** 233–5.—**Haycraft, J. B.** Speed in wartime surgery. Brit. M. J., 1941, **2:** 456.—**Influence** of war on surgery. J. Am. M. Ass., 1941, **117:** 2184.—**Jablons, B.** Medicine and surgery in modern warfare. N. York M. J., 1916, **104:** 549–53.—**Lockwood, A. L.** Surgical problems of war; some experiences in the last war. Brit. M. J., 1940, **1:** 356–8.—**Long, L. W.** Surgery, the queen of arts, has gone to war. Mississippi Doctor, 1943–44, **21:** 102–6.—**Manrique, J.** Consideraciones acerca de algunos de los adelantos que la guerra mundial aportó a la cirugía. Repert. med. cir., Bogotá, 1919–20, **11:** 339–54.—**Mitchiner, P. H.** Surgery in two wars. Brit. M. J., 1947, **2:** 219.—**Nicholls, A. G.** Wartime surgery. Canad. M. Ass. J., 1942, **46:** 170.—**Ogilvie, W. G.** Surgery goes to war. Edinburgh M. J., 1945, **52:** 193–205. Also In his Surgery Orthodox, &c., Oxf., 1948, 216–32.—**Oppel, V. A.** [War time surgery] Vrach. gaz., 1931, **35:** 971–82.—**Poate, H. R. G.** War-time surgery. Austral. N. Zealand J. Surg., 1941–42, **11:** 209–11.—**Rhéaume, Z.** Chirurgie à la guerre. Union méd. Canada, 1918, **47:** 59–64.—**Roldán, A.** Evolución y revolución de la cirugía como consecuencia de las enseñanzas de la guerra Bol. As. méd. Puerto Rico, 1921–22, **16:** 246–54.—**Rossi, B.** L'evoluzione della chirurgia di guerra attraverso la grande conflagrazione. Clin. chir., Milano, 1929, **32:** 729–53.—**Soichet, S.** Cirurgia de guerra e prática obstétrica. An. brasil. gin., 1947, **23:** 398–405.—**Stafford, J.** War secrets that saved lives. Mod. Hosp., 1945, **65:** No. 5, 62–4.—**Stephens, H. E. R.** The influence of wars on the craft of surgery. J. R. Army M. Corps, 1934, **62:** 40–6.—**Summers, J. E.** Military surgery, effects of modern projectiles, treatment of infected wounds, tetanus, gas poisoning, trench foot, the use of the x-ray in locating foreign bodies. Nebraska M. J., 1918, **3:** 1–5.—**Surgical** (The) aspects of the war. J. Trop. M. Hyg., Lond., 1918, **21:** 71.—**Tait, F. D.** Surgery and the war. J. Am. M. Ass., 1917, **68:** 2002.—**Underwood, W. E.** Surgical lessons of war. Leech, Johannesb., 1947, **18:** 11.—**Wachsmuth, W.** Die Kriegschirurgie in der neuzeitlichen Kriegsführung. Ausländ. Deut. Medizinertreffen (1942) 1944, 1. Congr., 27–46. Also Veröff. Chir. Sonderlazar., Brux. (1942–43) 1944, 23–37.—**Wallenstein, C. A.** The surgery of the 2nd World War. Pharm. Advance, 1938–41, **13:** No. 152, 17–20.—**Wathen, J. R.** The future surgery as influenced by the Great War. Kentucky M. J., 1919, **17:** 338.—**Weintrob, M.** Surgical lessons of World War II. Ann. ital. chir., 1948, **25:** 232. Also J. Internat. Coll. Surgeons, 1949, **12:** 50–9.—**Welsh, M.** La cirugía salvadora, en la guerra actual. Rev. mil., La Paz, 1945, **9:** 557–60.—**Yoosuf, A. K.** Surgery in modern warfare. N. York M. J., 1914, **99:** 1128–35.

SURGICAL ballistics.

See **Ballistics,** Wound ballistics.

SURGICAL brace.

See **Brace.**

SURGICAL equipment.

See also **Equipment; Glove; Surgical instrument; Truck,** surgical.

Babcock, E. R. Test of experimental field scrub sink. 11 l. 27½cm. Camp Lejeune, 1949. Forms Rep. No. 24, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

Germany. Luftwaffe [Luftwaffen-Druckvorschrift] L. Dv. 787: Anweisung für den Satz Arznei- und Verbandmittel für LS.-Rettungstellen mit Packordnung. Ausg. 1939 [Reprint] 14p. 21cm. Berl., 1941.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 195/4: Der Satz Streckvorbandgerät; Beschreibung und Bedienungsanweisung. 37p. 21cm. Melsungen, 1942.

Adams, J. F. Improvised surgical facilities for small vessels. U. S. Nav. M. Bull., 1945, **45:** 763–6.—**Banaitis, S.** Perevjazoćnaja. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 393–8.—**Beattie, D. A.** The tulle gras type of dressing and its value in surgery. J. R. Army M. Corps, 1933, **60:** 352–8.—**Benford, R. J.** Portable surgical scrub sink for field use. Med. Technicians Bull., 1950, **1:** 23, illust.—**Blanco, A.** Services chirurgicaux de grande urgence; les équipments opératoires de campagne; leur utilité et leur efficacité. Arch. méd. belges, 1935, **88:** Bull. internat., 239–59. Also Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 109–32.—**Casas Ochoa, T.** Férula moldeada para fracturas de fémur. Rev. españ. med. cir. guerra, 1939, **2:** 441–73, illust.—**Clowes, W.** Certain necessary medicines and instruments. In his Select. Writings, Lond., 1948, 143–50, illust.—**Covi, R. E.** Surgery in a station hospital overseas. Am. J. Nurs., 1944, **44:** 1141–3.—**Device** for folding surgical sponges. Bull. U. S. Army M. Dep., 1946, **5:** 267.—**Equipos** (Los) quirúrgicos y la cirugía en la resistencia. Rev. Roche, Nutley, 1947, **4:** 23.—**First-aid** instruction and treatment of casualties; posters, as visual aids, for instruction in use of individual first-aid packet (containing sulfonamides) and emergency medical tag (new) [form letter] Bumed News Lett., Wash., 1943, **1:** No. 6, 25.—**Herrera B. Sotolongo, J. L.** Organización de los servicios quirúrgicos del Ejército; equipos quirúrgicos móviles de campaña. Rev. san. mil., Habana, 1942, **6:** 123–36.—**Holubec, K.** [New experiences with autochir] Voj. zdrav. listy, 1938, **14:** 359–66.—**Johnson, J. B.,** jr, & **Wilson, G. H.** Copy of report with lists of recommended equipment submitted 22 October 1943 by Lieutenant Colonel Donald McNeil, M. C., and Second Lieutenant Margaret E. Gaynor, A. N. C., relative to experimental packing of surgical operating truck. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 690–7. ——— Surgical packs for surgical unit based on 80 major operations. Ibid., 695–7. ——— Final list of equipment, as of 29 January 1944, for truck, 2½-ton, 6X6, surgical, operating. Ibid., 698–707.—**Koch, G.** Hilfsgerät für den Operationsraum auf dem Hauptverbandplatz. Deut. Militärarzt, 1944, **9:** 96.—

Monteiro, A. Equipes cirúrgicas, suturas e material de síntese. Rev. med. cir. Brasil, 1942, **50**: No. espec., 104–19.—**Patterson, J. K.** Practical devices evolved and used in a combat area; a jeep ambulance; a tent-dugout operating room; a method for removal of shrapnel fragments. U. S. Nav. M. Bull., 1943, **41**: 1127–34.—**Pavlenko, V.** [Quantity of gauze necessary during various operations] Voen. san. delo, 1936, No. 6, 9.—**Pereira Valadares, A.** Papel da enfermeira de uma equipe cirúrgica de um field hospital. Rev. med. mil., Rio, 1945, **34**: 385–8.—**Personnel** grounding device for use in operating rooms. Bull. U. S. Army M. Dep., 1945, **4**: 521.—**Timofeev, N. S.** [On equipment of a field operating room] Ortop. travmat., Kharkov, 1940, **14**: No. 4, 7.—**Use** of sterilized blankets in operating theatre. Bull. Army M. Dir., Lond., 1941, No. 2, 2.—**Werthmann, H.** Das chirurgische Gerät der Feldsanitätsausrüstung. Deut. Militärarzt, 1939, **4**: 345–9.—**Wohlgemuth, H.** Dymal in der Kriegschirurgie. Berl. klin. Wschr., 1915, **52**: 1169.

SURGICAL hand drill.

Giesen, J. H. New type surgical hand drill. U. S. Nav. M. Bull., 1946, **46**: 127–9.

SURGICAL hospital.

See **Hospital.**

SURGICAL instrument.

See also **Instrument; Needle; Neurosurgery, Apparatus; Surgical equipment; Truck,** surgical; also **Sterilization.**

Gross, R. L. Surgical instruments industry in Tuttlingen, Germany. 2p. 27cm. [n. p.] 1946.
Forms No. 742, FIAT Final Rep.

Shone, W. R., Down, G. M. [et al.] German surgical and veterinary instrument industry. 76p. 24cm. Lond., 1946 [?]
Forms No. 399, Item No. 24, 9, BIOS Final Rep., Lond., 1946.

United States. Army. 5250th Technical Intelligence Company. Medical Analysis Section. Japanese medical material; medical material and instruments; inventory report. Tokyo, No. 1, 1946–

American gift of surgical instruments. J. Am. M. Ass., 1941, **117**: 1996.—**Basom, W. C.** A compact, sterilizable bone plate and screw holding box. Mil. Surgeon, 1945, **97**: 513.—**Boughton, G. C.** Bone graft retractors. Ibid., 1919, **44**: 429.—**Capparoni, P.** L'armamentario chirurgico greco e greco-romano. Rass. cin. ter., 1938, **37**: Suppl., 169–89.—**Care** of dermatone and skin graft knife blades. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 12.—**Cronin, T. D.** Adaptation of dermatome for use of Ferris-Smith knife blade. Ibid., No. 21, 14.—**Elanksy, N. N.** K istorii organizacii proizvodstva khirurgićeskogo instrumentarija v Rossii. Voen. med. J., Moskva, 1947, No. 6, 50–7.—**Gusev, A., & Punin, B.** Khirurgićeskij instrumentarij. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 861–77, illust.—**Humiston, H. W.** New devices for surgery. J. Mil. M. Pacific, 1945, **1**: No. 3, 77.—**Kulikovsky, G., & Trifonov, P.** Oto-rino-laringologićeskij instrumentarij. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 207–15.—**Levit, J.** [New surgical instruments of the Czechoslovak Army] Voj. zdrav. listy, 1925, **1**: 97–104.—**Matuki, M., & Ogawa, E.** Seihuku-yō kōgō-ki ni tuite [Occlusion apparatus for use in plastic surgery] Kōkūbyōgakkai zassi, 1941, **15**: 490.—**New** surgical instruments in desert battles. Nova Scotia M. Bull., 1943, **22**: 195.—**Okazaki, H.** Yo no kōan-seru kōsen yūdōsi ni tuite [The guide-probe that I have devised of steel] Gun idan zassi, 1940, 339, illust.—**Pavlenko, V.** [Limitations of instruments during operations] Voen. san. delo, 1936, No. 6, 3–9.—**Poliakov, N. G.** [Refitting surgical instruments and medical apparatus] Ibid., 1942, No. 10, 71–6.—**Rankine, R. A.** Suggested additions to the service afloat scale of instruments. J. R. Nav. M. Serv., Lond., 1918, **4**: 324.—**Sloan, J.** Razor-blade knife for Padgett dermatome. Bull. U. S. Army M. Dep., 1947, **7**: 488–90.—**Squirru, C. M.** Instrumentos quirúrgicos en la guerra 1914–18, en el sector francés. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 674.—**Stimulator** for use in peripheral nerve surgery. Bull. U. S. Army M. Dep., 1945, **4**: 412.—**Surgical** instruments; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **3**: 525–39.—**Tikhonov, V. S.** [A retractor of a new construction] Voen. med. J., Moskva, 1945, June, 45.—**Vinogradov, A. Y.** O vlijanii tkanej na sokhrannost khirurgićeskikh instrumentov. Voen. san. delo, 1940, No. 5, 105–7.—**Webster, G. V.** A dermatome for cutting small skin grafts. U. S. Nav. M. Bull., 1943, **41**: 1145–51.—**Weinstein, V.** Vytjaźenie. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1115–8.—**Williams, J. M.** Modification of the Zimmer clamp for cranial skeletal traction. U. S. Nav. M. Bull., 1946, **46**: 599–601.

SURGICAL kit.

See **Kit.**

SURGICAL ophthalmology.

See under **Ophthalmology**; also **Orbit,** Surgery.

SURGICAL organization.

See also **Surgical service; Surgical unit**; also generic names of military units as **Battalion; Division; Regiment,** etc.

Dubs, J. Die Neuordnung des chirurgischen Dienstes in der Armee. p.169–246. 24cm. Zür., 1941.
In his Feldchirurgie, 2. Aufl., Zür., 1941.

Castañeda, M. J. Organización del negociado de cirugía general tanto en tiempo de paz como en campaña. Rev. san. mil., Lima, 1931, **4**: 11–38.—**Dimitriu Mamant.** Principiile organizării moderne în chirurgia de război. Rev. san. mil., Bucur., 1936, **35**: 323–7.—**Dubs, J.** Die Neuordnung des chirurgischen Dienstes in der Armee. Helvet. med. acta, 1937, **4**: 586–91.—**Hejduk, B.** Některé organisační problémy válečné chirurgie. Lék. wojsk., 1943, **35**: 157–61.—**Page, C. M.** Surgical economics in war. Brit. M. J., 1942, **2**: 47.—**Teneff, S.** Personale chirurgico ed organizzazione del servizio chirurgico. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 44–6.—**Trueta, J.** The essentials of treatment and organization. In his Princípl. & Pract. War Surg., S. Louis, 1943, 170–83.

—— field.

See also under subheading (—by countries) also **Surgery, field; Surgical service, field.**

Bauer. Vilka fordringar i kirurgiskt avseende kunna vi ställa på de läkare, som arbeta å krigsskadeplatsen? Lunds läk. säll. förh., 1914–15, 60–7.—**Rossi, B.** A proposito di un giudizio sulle unità chirurgiche al campo. Policlinico, 1916, **23**: sez. prat., 1387–9.—**Thomann, J.** Die materielle Neuorganisation unserer Feldchirurgie. Vjschr. schweiz. Sanitätsoff., 1939, **16**: 36–42.

—— by countries.

Bruce, H. A. Surgical efficiency in an Army Medical Service. Canad. J. M. & S., Toronto, 1919, **46**: 364–9. Also Canad. M. Ass. J., 1919, **9**: 988–93.—**Gómez Durán, M.** Caratteristiche fondamentali dell'organizzazione chirurgica nella Spagna nazionale. Minerva med., Tor., 1941, **32**: pt 1, 9–20.—**Kazansky, A. A.** Organizacija khirurške pemoći kod ratnikh rańavańa. Voj. san. pregl., Beogr., 1944, **1**: No. 2, 6–8.—**Lecercle.** Maroc et chirurgie. Arch. méd. pharm. mil., 1922, **76**: 291–8.—**Macías, F. I.** Sobre la organización total del servicio de cirugía de urgencia en la caz y su aplicación en la guerra. Rev. cirug. Hosp. Juárez, Méx., 1935, **6**: 681–96, 2 diagr.—**Montemartini, G.** Un quadrimestre di attività chirurgica nell'infermeria della R. Marina in Tobruch. Ann. med. nav., Roma, 1940, **46**: 227–34.

—— by countries: Germany.

See also corresponding subheading under **Surgical service.**

Germany. Beratender Chirurg der 10. Armee. Erfahrungsbericht. 4. Quartal 1944; 1. Quartal 1945. 2v. 2–8p.; 5p. 30cm. [n. p.] 1944–45.

Fossataro, E. Nelle cliniche chirurgiche di Berlino. Ann. med. nav., Roma, 1912, **17**: 542–60.

—— by countries: Poland.

Rudzki, S. Zarys historji szpitalnictwa wojskowego w Polsce. 144p. 24½cm. Warsz., 1927.

Hejduk, B. Organisace polní chirurgie v moderní válce. Lek. wojsk., 1941, **34**: 70–80.—**Zembrzuski, L.** [Surgery in the first half of the XIXth century and a few remarks on contemporary surgery] Ibid., 1929, **13**: 384–92.

—— by countries: Russia.

Akhutin, M. N. [Results of surgical organization in the Army zones] Vrach. delo, 1940, **22**: 242–8.—**Banaitis, S. I.** Opyt organizacii khirurgićeskoj raboty v armejskoj operacii. Voen. san. delo, 1940, No. 10, 18–29. ——— Khirurgićeskaja rabota na DMP, ee organizacija i objem khirurgićeskoj pomośći ranenym. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 79–103.—**Brovcyn, N. P.** Otćet po khirurgićeskomu otdeleniju usilennago lazareta L.-Gv. konnago polka s Blagoveśćenskim imeni Eja Imperatorskago Vysoćestva Velikoj Knjagini Alexandry Iosifovny oficerskim

otdeleniem za 1911 god. Voen. med. J., S. Peterb., 1912, **235**: Med. spec. pt, 28–67.—**Dashkovsky, I. A.** [Organization and character of surgical work at the front] Nov. khir. arkh., 1940, **46**: 299–307.—**Dedov, V. P.** Kratkij otćet po khirurgićeskomu otdeleniju Taškentskago voennago hospitalja za 1911 god. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 181–207.—**Girgolav, S. S.** [Standardization of surgical aid for campaigns] Voen. med. J., Moskva, 1933, **4**: 40–4.—**Gorinevskaja, V.** [Organisation et importance de l'assistance chirurgicale dans le rayon des Armées] Khirurgia, Moskva, 1940, No. 2, 12–20. ——— Organizacija khirurgićeskoj pomośći na etapakh evakuacii. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 29–44.—**Iljin, A. I.** [Report of the Surgical Ward of the enlarged Hospital of the Life Guards Cavalry Regiment, with the Blagoveśćensk Officers' Ward of Grand Duchess Alexandra Iosifovna, for 1913] Voen. med. J., Petrogr., 1914, **241**: med. spec. pt, 176–92.—**Jeremić, A. P.** Kratkij otćet ob operacijakh, proizvedennykh v Hospitalnoj khirurgićeskoj klinike S. P. Fedorova, 1903–08 učebn. gg. Tr. Hosp. khir. klin. Fedorova Voen. med. akad., S. Peterb., 1909, **3**: 193–206.—**Kuprijanov, P. A.** Obśćie voprosy organizacii khirurgićeskoj pomośći vo vojskovom rajone. Voen. san. delo, 1940, No. 10, 8–18. ——— Massovaja khirurgićeskaja rabota v vojskovom i armejskom tylu. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 28–34.—**Osten-Sacken, E. U.** [Errors and omissions in the organization of military field surgery aid] In: Oshibki &c. lechkhir. zabol. (Hesse, E. R.) 1936, **1**: 36–58.—**Popov, G. M.** [Organization of surgical aid in the system of medical sanitary service in the field military zone] Khirurgia, Moskva, 1941, No. 11, 42–5.—**Smirnov, E. I.** [Organization of field surgery according to Pirogov and contemporary opinion on the subject] Ibid., No. 6, 3–11.

—— by countries: United States.

Ireland, M. W. Surgery in the Medical Department of the United States Army. Surg. Gyn. Obst., 1930, **50**: 289–94.—**Rankin, F. W.** Mission accomplished; the task ahead. Ann. Surg., 1949, **130**: 289–309.—**Sullivan, R. P.** Surgery in cantonment, base and general hospitals. Long Island M. J., 1918, **12**: 437–41.

SURGICAL service.

See also **Surgical unit**; also **Administration,** medical; **Clearing station,** Surgical service; **Emergency medical service,** Surgical service; **Offensive.**

Bowers, W. F. Administration of the surgical service; a ward administrative assistant system. Bull. U. S. Army M. Dep., 1948, **8**: 939–43. ——— Administration of the surgical service. Ibid., 1949, **9**: 15; 111.—**Branovački, M.** [The expenses for upkeep in a department of surgery] Voj. san. glasnik, 1932, **3**: 298–320.—**Rosati, B.** Osservazioni e proposte sui servizi chirurgici in guerra. Gior. med. mil., 1917, **65**: 294–9.

—— air raid.

See under **Air defense.**

—— civilian.

Abell, I. Surgical practice in war time. Bull. Am. Coll. Surgeons, 1943, **28**: 184–6.—**Leahy, L. J.** Problems in a wartime surgical practice. Ibid., 188.—**Stanton, E. M.** Surgical practice in war time. Ibid., 186–8.—**Stone, H. B.** The civilian practice of surgery under war conditions. Med. Ann. District of Columbia, 1943, **12**: 463.

—— field.

See also **Mobile warfare; Surgical organization,** field.

Fölsch, W. Allgemeine chirurgische Technik im Felde. p.52–93. 20cm. Dresd., 1944.
In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd.

Gómez Ulla, M., Sánchez Vega y Malo, E. [et al.] Tratamiento en los puestos avanzados de los casos quirúrgicos urgentes, en la guerra de movimiento; concepción de una formación especializada; su organización técnica y su empleo desde el punto de vista táctico. p.3–76. 23cm. Madr., 1933.
Congr. internat. med. farm. mil., 7. Congr., 1933, **1**: Tema 3.

Alessandri, R. Ancora per un migliore ordinamento del servizio chirurgico al fronte. Policlinico, 1917, **24**: scz. prat., 901–4.—**Barnes, H. A.** Observations in frontal area surgery, Mil. Surgeon, 1945, **97**: 285–8.—**Bok.** Svtemenni principi za organizacijata na khirurgićeskata pomość na ranenite i lećenie na ognestrelnite rani. Voen. san. delc, Sofia, 1947, **2**: 52–61.—**Camera, U.** A proposito della questione delle mutilazioni e dell'isolamento scientifico in cui si trovano le unità sanitarie avanzate. Policlinico, 1916, **23**: sez. prat., 1023–5.—**Coley, B. L.** Care of the injured in combat zones. Surg. Gyn. Obst., 1944, **78**: 66–75.—**Eaton, R. B.** Forward war surgery. Nova Scotia M. Bull., 1946, **25**: 119–25.—**Gorinevskaja, V. V.** Predmet voenno-polevoj khirurgii i ego soderźanija. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 7–29.—**Lagoutte, M., & Le Grand, J.** Du danger des opérations incomplétes dites d'urgence en chirurgie de guerre. Presse méd., 1917, **25**: 455.—**Lampis, E.** Il servizio chirurgico nelle formazioni sanitarie di prima linea. Gior. med. mil., 1941, **89**: 561–78. Also Rev. internat. Croix Rouge, 1941, **23**: 833.—**Leman.** Le traitement des cas chirurgicaux de première urgence à l'avant conception d'une formation spécialisée. Congr. internat. med. farm. mil., 1933, 7. Congr., **3**: 77–100, ch.—**Loscertales, F., & Abril, F.** Cirugía de las primeras urgencias en campaña. Rev. españ. med. cir. guerra, 1945, **7**: 455–75.—**Marques Porto, E.** Bases atuais da cirurgia de guerra nos escalões avançados. Rev. brasil. med., 1946, 808–20.—**Montenovesi, V.** Pronto soccorso chirurgico avanzato. Policlinico, 1917, **24**: sez. prat., 1405–7.—**Pérez, B.** La cirugía de las organizacione sanitarias del frente. Bol. Inst. clín. quir., B. Air., 1945, **21**: 53.—**Rob, C. G.** Work at an advanced surgical centre. S. Thomas Hosp. Gaz., Lond., 1945, **43**: 30–3.—**Stubenvoll.** Ueber Etappen-Chirurgie. Wien. med. Wschr., 1918, **68**: 749.—**Surgical** service in the trenches. Rev. War Surg. & M., 1918, 1: No. 5, 1–8.—**Torney, G. H.** Surgery of the battlefield. N. York State J. M., 1912, **12**: 483–8.

—— hospital.

Bowlby, A. A., & Wallace, C. S. The surgical work. p. 137–294. 22cm. N. Y., 1901.
In: Civilian War Hosp. (Bowlby, A. A., Tooth, H. H., et al.)

Kirschner, M. Randbemerkungen zur Kriegschirurgie in den Heimatlazaretten. 94p. 22cm. Berl., 1942.

Actividad quirúrgica en las ambulancias de campaña. Rev. san. mil., Madr., 1923, 3. ser., **13**: 67; passim.—**Ass, M. S., Balacenko, D. N.** [et al.] Khirurgićeskaja rabota v specializirovannom evakohospitale. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 70–82.—**Böhm, G.** Il servizio chirurgico nell'ospedale da campo. Gior. med. mil., 1937, **85**: 636–41.—**Bost, F. C.** Surgical service in European Command hospitals. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 5, 21–8.—**Brunn, M.** Chirurgie im Kriegslazarett. Beitr. Klin. Chir., 1915, **96**: 210–2.—**Bussey, C. D.** Minor surgical problems in the evacuation hospital. Med. Bull. Medit. Theater U. S., 1945, **3**: 258–60.—**Calderoli, G.** Sei mesi in un lazaretto di guerra. Riv. ig. san. pub., Parma, 1917, **28**: 317–25.—**Clairmont, P.** Chirurgische Klinik seit der Mobilisation. Schweiz. med. Wschr., 1940, **70**: 423.—**Clark, E. P.** Evacuation hospital surgery. J. Am. Inst. Homoeop., 1919–20, **12**: 1011–6.—**David, A.** Organização dum bloco de cirurgia em hospitais do tempo de paz e em operações de guerra. Bol. Dir. serv. saúde mil., 1941, **4**: 268–93.—**Demmer, F.** Kriegschirurgie im Heimatlazarett. Wien. med. Wschr., 1944, **94**: 411; 449.—**Dzhanelidze, U. U.** [Study of the operational journals of evacuation hospitals] Khirurgia, Moskva, 1942, No. 9, 3–11.—**Eaton, R. M.** Surgery in field hospital service. Am. Med., 1917, **23**: 319–22.—**Ernst, M.** Duties and problems in war surgery at field hospitals. Surg. Gyn. Obst., 1942, **74**: Suppl., 279 (Abstr.)—**Ettles, D.** Some impressions of general surgery at the Peking Union Medical College Hospital. J. R. Army M. Corps, 1932, **58**: 336–43.—**Faisst.** Chirurgie im Kriegslazarett. Beitr. klin. Chir., 1915, **96**: 391–8.—**Faria Alves, E.** A cirurgia de guerra em alguns hospitais americanos na Itália. Impr. méd., Rio, 1946–47, **22**: No. 394, 64–8.—**Florcken-Padarborn, H.** Unsere operative Tätigkeit im Feldlazarett. Münch. med. Wschr., 1915, **62**: 241–3.—**Goebel.** Kriegschirurgische Beobachtungen im Feldlazarett. Beitr. klin. Chir., 1916, **96**: (Kriegschir. Hefte 1) 213–22.—**Harttung.** Praktische Winke für die Kriegschirurgie in den Heimatlazaretten. Zbl. Chir., 1943, **70**: 1177–81.—**Kennedy, R. H.** War casualties in a general hospital in the U. S. A. J. Michigan M. Soc., 1944, **43**: 657–61.—**Kirtley, J. A.,** jr, & **Trabue, C. C.,** IV. Surgical activities of an overseas general hospital. J. Tennessee M. Ass., 1945, **38**: 68–75.—**MacManus, D.** Notes on surgical work in a Base Hospital in France. Guy's Hosp. Gaz., Lond., 1918, **32**: 45–7.—**Meyers, M. P.** Experiences in a septic surgery ward of an Army general hospital. Dauphin M. Acad., 1943, **32**: No. 5, 20–2. Also North End Clin. Q., Detr., 1943, **4**: 19.—**Palei, R. A.** Opyt organizacii priema ranenykh v evakohospitaljakh. Tr. Evakohosp., Leningr., 1943, No. 5, 23–8.—**Peck, C. H.** Surgery of the front and evacuation hospitals. Med. Rec., N. Y., 1919, **95**: 936.—**Perman, E.** Den kirurgiska verksamheten vid fördelningsoch etappsjukhus. Nord. med., 1941, **10**: 1896 (Abstr.)—**Priorov, N. N.** [Travail du chirurgiens dans les hôpitaux de l'arrière] Khirurgia, Moskva, 1940, No. 2, 26–33.—**Schuppisser.** Der chirurgische Dienst im Feldspital. Schweiz. med. Wschr., 1936, **66**: 728–31.—**Stepanov, A.** [Surgical aid in conditions of Army clinics] Voen. san. delo, 1935, 24.—**Stephen, L. P.** Surgical notes at a war hospital. Ind. M. Gaz., 1917, **52**: 4–7, pl.—**Surgery** at field hospitals. Bull. U. S. Army M. Dep., 1944, No. 83, 22–5.—**Surgery** in a German base hospital. Brit. M. J., 1917, **1**: 522.—**Surgery** in military hospitals. J. Am. M. Ass., 1939, **112**: 566.—**Témoin.** A propos de la chirurgie de guerre dans les hôpitaux de l'arrière et du service d'évacuation

des blessés. Bull. Acad. méd., Par., 1914, 3. ser., **72**: 218–24.—**Vayssière, E.** Fonctionnement d'un service de chirurgie dans un hôpital de l'avant. Paris méd., 1915–16, **17**: 504–10.—**Zhorov, I. S.** [Certain surgical problems in divisional hospitals] Voen. san. delo, 1941, No. 11, 13–26.

—— by countries.

Begelman, I. L. Našijat opit po organizacijata na medicinskata pomošč pri éeljustno-lecevite naranjavanija. Voen. san. delo, Sofia, 1947, **2**: 62–7.—**Brito e Silva Filho, C. A.** A clínica cirúrgica do Hospital central da marinha em 1946. Arq. brasil. med. nav., 1947, **8**: 1223–8. ——— Movimento operatório da clínica cirúrgica do Hospital central da marinha em 1947. Ibid., 1948, **9**: 1323–7.—**Gómez Ulla, M., & Martin Santos, L.** Instrucciones generales para el servicio de cirugía. Rev. san. mil., Madr., 1922, 3. ser., **12**: 31–43.—**Korczakowski, J.** [Operations during 1934 in the surgical ward of the 8th Army Corps Hospital] Lek. wojsk., 1935, **26**: 654–63.—**Wilson, J. B., & Williamson, A. J.** Notes on two and a half years' surgical work at the Royal Herbert Hospital, Woolwich. J. R. Army M. Corps, 1912, **18**: 78–86, 3 pl.

—— by countries: France.

Baur, F. L. Sur le fonctionnement technique du service chirurgical en campagne; l'ambulance chirurgicale de triage. Bull. Soc. méd. mil. fr., 1922, **16**: 166–70.—**Cheyrou-Lagrèze.** L'aviation sanitaire et les équipes chirurgicales en liaison au point de vue chirurgical entre les formations de l'avant et celles de l'arrière. J. méd. Paris, 1937, **57**: 839.—**Delagenière, Y.** Statistique intégrale des opérations pratiquées au Mans du 1er juillet au 31 décembre 1930. Arch. fr. belg. chir., 1931–32, **33**: 142–59.—**Grant, J. D.** Facial plastic surgery, laryngology, and stomatology, in French military hospitals. Lancet, Lond., 1915, **1**: 926.—**Métivet, G.** Quelques considérations sur le rôle du chirurgien dans les ambulances de l'avant. Rev. sc., Par., 1916, **1**: 334–7.

—— by countries: Germany.

See also corresponding subheading under **Surgical organization.**

Angerer, H. Ueber die Chirurgie der vorderen Sanitätsdienste in feld- und friedensmässigem Einsatz. Deut. Militärarzt, 1941, **6**: 72.—**Fischer.** Operationsübersicht. San. Ber. Deut. Marine (1930) 1932, 54–8.—**Tillmann.** Operationsübersicht. Ibid. (1912–13) 1917, 172–88.

—— by countries: Italy.

Bevacqua, A. Casuistica operatoria dell'Ospedale ecoloniale di Asmara negli anni 1915–16. Gior. med. mil., 1917, **65**: 322–39, 3 pl.—**Bocchetti, F.** Il servizio chirurgico nel piano organizzativo tattico-logistico. Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 78–96. Also Settimana med., 1942, **30**: 381.—**Casella, D.** Un anno nel reparto chirurgico (Novembre 1922–Dicembre 1923) Gior. med. mil., 1924, **72**: 203. ——— Statistica operatoria dell'anno 1924. Ibid., 1925, **73**: 520–2.—**Corsi, A.** Resoconto statistico dell'attività chirurgica operatoria negli stabilimenti sanitari militari del regno durante il biennio 1934–35. Ibid., 1936, **84**: 616–39. ——— Resoconto statistico dell'attività chirurgica operatoria negli stabilimenti sanitari militari del regno durante il 1939. Ibid., 1941, **89**: 1–25.—**Lampis, E.** Il servizio chirurgico nel piano organizzativo tattico-logistico delle grandi unità motocorazzate. Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 97–109.—**Piacentini, G.** Resoconto statistico dell'attività chirurgica operatoria negli stabilimenti sanitari militari del regno durante il quadriennio 1930–33. Gior. med. mil., 1934, **82**: 663–708.—**Placitelli, C. G.** Rendiconto clinico statistico del Reparto chirurgia. Ann. med. nav., Roma, 1938, **44**: 238–43.—**Rendiconto** statistico delle operazioni chirurgiche eseguite negli stabilimenti sanitari militari nell'anno 1910; 1911. Gior. med. mil., 1911, **59**: 735; 1912, **60**: 587.—**Tedeschi, C., & Ciaccio, V.** Profili ed impressioni di chirurgia coloniale. Ibid., 1931, **79**: 90–7.

—— by countries: Russia.

See also corresponding subheading under **Surgical organization.**

Desiatov, M. M. [Profile of the work of the surgeon in field mobile evacuation hospitals] Sovet. med., 1941, **5**: No. 17, 36–8.—**Grekov, I. I.** [Surgical diseases and the practice of surgery during the period of starvation (1918–19)] Vest. khir., 1922, **2**: pt 6, 195–219.—**Jacobson, S. A.** [Surgical aid during military activities; data from Russian historical material] Sovet. khir., 1932, **2**: 264–75.—**Skundina, M. G.** [Caractère de l'assistance chirurgicale dans le rayon des armées] Khirurgia, Moskva, 1940, No. 2, 20–5.

—— by countries: Sweden.

Palmer, I. Några anvisningar berörande sjukvårdsförbandens personal och materiel i 1940 års organisation. In: Fältmed. vademecum, Stockh., 1940, 5–33, illust.—**Perman, E.** Riktlinjer för organisationen av landstridskrafternas sjukvård i fält. Ibid., 34–52.

—— by countries: Switzerland.

Dubs, J. Die chirurgische Tätigkeit im schweizerischen Gefechts- Sanitätsdienst auf Grund unserer Sanitätsdienstordnung und der Erfahrungen im Weltkrieg. 120p. 8° Frauenfeld, 1934.

——— Die Feldchirurgie im schweizerischen Gefechts-Sanitätsdienst. 332p. 24cm. Zür., 1939.

Dubs, J. Feldchirurgische Grundlagen und Richtlinien im schweizerischen Gefechtssanitätsdienst. Schweiz. med. Wschr., 1938, **68**: 981–9.—**Henschen, C.** Die Chirurgie in der M. S. A. Vjschr. schweiz. Sanitätsoff., 1939, **16**: 97–107.—**Wildbolz, E.** The surgical service of the Swiss Army. Mil. Surgeon, 1942, **90**: 626–30.

—— by countries: United States.

Andrus, C. L., Butler, J. B., & Higgins, A. R. The surgical operating suite in the Navy. U. S. Nav. M. Bull., 1943, **41**: 829–33.—**Ross, J. A.** Traumatic surgery on the line of communication; a clinical record. J. R. Army M. Corps, 1944, **83**: 17–27.

SURGICAL team.

See **Parachute surgical team;** also **Surgical unit.**

SURGICAL technic.

See also **Surgery,** Methods; also under names of various surgical conditions; also **Wound,** Surgery.

Härtel, F. Allgemeine chirurgische Technik des Krieges. p.1–60. 24½cm. Lpz., 1917.
In: Lehrb. Kriegschir. (Borchard, A. F.)

Petit, R. Les phagocytes en chirurgie; antisepsie, hémostase, régénération des tissus; applications récentes en chirurgie de guerre. 402p. 23½cm. Par., 1915.

Tabanelli, M. Note di chirurgia di guerra. 35p. 24cm. Bologna, 1946.

Hartel, F. Allgemeine chirurgische Technik im Kriege. Deut. med. Wschr., 1939, **65**: 1677–80.—**Mayo, W. J.** Modifications of some surgical practices suggested by the war. Railw. Surg. J., 1918–19, **25**: 150.—**Milanovic, A. N.** [Chemodynamics and surgery] Voj. san. glasnik, 1940, **11**: 731–51.—**Nomenclature** of surgical operations. In: Manual M. Dep. U. S. Navy, Wash., 1942, App. A, 44–8.—**Palmer, I.** Kort anvisning för behandling av de viktigaste regionskadorna. In: Fältmed. vademecum, Stockh., 1940, 53–72.—**Wojciechowski, A.** [Posture and competency of motility from the surgeon's point of view] Lek. wojsk., 1935, **25**: 489; passim; **26**: 32; passim.

—— Abdominal surgery.

See also **Injury**—by organs and regions: Abdomen.

Gorkovskij gosudarstvennyj medicinskij institut im. S. M. Kirova. Вопросы хирургии войны и абдоминальной хирургии. 660p. 22 cm. Gorky, 1946.

Abdominal diseases and injuries requiring surgery. Statist. Navy M., 1947, **3**: No. 12, 8–11.—**Abdominal** (The) surgery of total war. J. Am. M. Ass., 1942, **119**: 664.—**Bainbridge, W. S.** Intra-abdominal surgical technic. Bull. internat. Serv. santé, Liége, 1946, **19**: 132–9. Also Mil. Surgeon, 1946, **99**: 5–7.—**Barón, A. G.** La elección del tipo de laparotomía en la cirugía abdominal de guerra. Rev. españ. med. cir. guerra, 1939, **2**: 361–72.—**Berkley, K. M.** Considerations of the surgical abdomen in patients with hepatitis. Med. Bull. Europ. Command, 1949, **6**: 10–4.—**Best, R. R., & Carpenter, W. S.** A method of closure for the abdominal incision. Med. Bull. North Afr. Theater U. S., 1944, **2**: 31.—**Bradford, B., Battle, L. H., jr, & Pasachoff, S. S.** Abdominal surgery in an evacuation hospital. Ann. Surg., 1946, **123**: 32–43.—**Campbell, J. F. M.** Abdominal lesions requiring urgent surgery. J. R. Nav. M. Serv., 1943, **29**: 229–33.—**Cámpora, A. P.** A propósito de la no invaginación del muñón apendicular. Rev. san. mil., B. Air., 1940, **39**: 815–9.—**Crowley, L. G., & Smith, J. R.** Two interesting abdominal cases. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 5, 10–4.—**Eaton, R. B.** Forward abdominal surgery; an analysis of 230 cases. Canad. M. Ass. J., 1946, **54**: 19–25.—**Emerson, G. V.** Surgical emergencies of the abdomen. Surg. Clin. N. America, 1941, **21**: 1605–21.—**Fraser, J.** The evolution of the abdominal surgery of war. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 197–200, 3 portr.; 2. ed., Balt., 1942, **1**: 391–4.; 3. ed., Edinb., 1944, 867–70, 3 portr. ——— Intra-abdominal procedures, includ-

ing wounds of the small intestine and mesentery. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 208–16.; 2. ed., Balt., 1942, 1: 403–11; 3. ed., Edinb., 1944, 880–8.—**Gordon-Taylor, G.** The changing aspect of the abdominal surgery of modern warfare. Practitioner, Lond., 1941, **146**: 448–62. ——— The abdominal surgery of total war. Glasgow M. J., 1942, **137**: 123–42, 2 pl. Also Brit. J. Surg., 1942–43, **30**: 89–107.—**Hakel & Djevad** [Le succés de laparatomie chez les gros animaux] Turkish text. Rev. méd. vét. mil., Istambul, 1926, 4: 243–6.—**Imes, P. R.** War surgery of the abdomen. Surg. Gyn. Obst., 1945, **81**: 608–16.—**Imperati, L.** Chirurgia dell'addome. Gior. med. mil., 1948, **95**: 107; passim.—**Lewis, S. E.** Caesarean section for contracted pelvis. J. R. Army M. Corps, 1912, **19**: 461.—**Mackay, W. A.** The principles of abdominal surgery in the forward area. Surgo, Glasg., 1944–45, **11**: 80–7.—**Makarenko, A., & Plecer, V.** Poddiafragmalnyj absces. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 683–7, 3 pl.—**Pacheco, L. P. de A.** Abdome agudo cirúrgico. Rev. med. mil., Rio, 1949, **38**: 279–307.—**Roldán Sevilla, C.** La cirugía abdominal en la guerra. Rev. españ. méd. cir. guerra, 1939, 3: 66–72.—**Smyth, M.** War surgery of the abdomen. Brit. M. J., 1942, 1: 368.—**Soldevilla, J. M.** El drenaje abdominal en cirugía de guerra. Medicina, Madr., 1941, **9**: 19–27.—**Walton, J.** War surgery of the abdomen. Brit. M. J., 1942, **1**: 247–50. Also Spanish transl., Rev. san. mil., B. Air., 1942, **41**: 215–26.—**Waugh, J. M.** Emergency surgical treatment of acute abdominal disease. Mil. Surgeon, 1941, **89**: 53–60.—**Welch, C. S.** Observations on abdominal surgery in warfare. Bull. N. England M. Center, 1946, **8**: 170–5.

—— Abdominal surgery: Complications.

Bornemisza, G. Sebszétválás hasmûtétek után. Honvédorvos, 1950, **2**: 208–14.—**Fraser, J., & Charles, R.** Post-operative abdominal complications. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 238–40.—**McFadden, G. D. F.** Post-operative abdominal complications. Ibid., 2. ed., Balt., 1942, 1: 433–6. ——— & **Galloway, R. L.** [The same] Ibid. 3. ed., Edinb., 1944, 921–6.—**Vascoboinic, H.** Fistulă parietală gastro-jejunală post-operatorie vindecată prin cură intraperitoneală; derivatie pre-operatorie prin tub pierdut. Rev. san. mil., Bucur., 1937, **36**: 73–6, illust.

—— Abdominal surgery: Injuries.

See also subheading (Gastrointestinal surgery) Schmieden, V. G. Bauch. p.700–73. 24½cm. Lpz., 1917.

In: Lehrb. Kriegschir. (Borchard, A. F.)

United States. National Research Council. Committee on Surgery. Abdominal and genito-urinary injuries. 243p. 24cm. Phila., 1942.

Forms v. 3 of Mil. Surg. Manuals (N. R. C.) Phila., 1942.

Barón, A. G. Organización del estudio de la evolución y de los resultados definitivos del tratamiento de los heridos de vientre. Res. españ. med. cir. guerra, 1940, **4**: 81–108.—**Charles, R.** Laparotomy for war wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 200–7. Also 2. ed., Balt., 1942, 1: 395–402. Also 3. ed., Edinb., 1944, 871–9.—**Cunha, B. D. da.** Aspectos da cirurgia de guerra; sôbre ferimentos abdominais. Rev. med. mil., Rio, 1948, **37**: 221–7.—**Dukić, N.** Prilog iskustvu kod operativnog lečenja abdominalnih ratnih povreda. Voj. san. pregl., Beogr., 1945, **2**: No. 8, 5–15.—**Gordon-Taylor, G.** The problems of surgery in total war; with special reference to abdominal injuries. Surg. Gyn. Obst., 1942, **74**: 375–401. ——— Second thoughts on the abdominal surgery of total war; a review of over 1300 cases. Brit. J. Surg., 1944–45, **32**: 247–58.—**Grebenarov, I.** Razbor i pouki ot dcinostta na divizionnite lećebnici prez vreme na bojnite operacii, v častnost, koremni naranjavanija. Voen. san. delo, Sofia, 1947, **2**: 74–9.—**Heyd, C. G.** Surgery of abdominal injuries. Am. J. Surg., 1942, **56**: 349–52. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 206–10.—**Kogan, I. S.** Klassifikacija kalovykh sviščej posle ognestrelnykh ranenij života i osnovnye principy operativnogo ustranenija ikh. Vrach. delo, 1946, **26**: 485–90.—**Lebedev, P. N.** Rezultaty operacii po povodu ognestrelnykh ranenij brjušnoj polosti po materialam tylovogo hospitalja. Khirurgia, Moskva, 1946, No. 9, 43–6.—**Maingot, R.** The management of abdominal injuries in warfare. J. Internat. Coll. Surgeons, 1943, **6**: 311–21.—**Nikolaev, G. F.** Obščie principy okazanija pomošči etapnogo lećenija ranennykh v život; pokazanija i protivopokazanija k operativnym vmešatelstvam. In: Opyt sovet. med. Velik. otech. voine, Moskva, 1949, **12**: 88.—**Nores Martínez, A.** Las heridas penetrantes del abdomen y su tratamiento. Rev. san. mil., B. Air., 1943, **42**: 299; passim.—**Oltramare, J. H.** Les plaies pénétrantes de l'abdomen en chirurgie de guerre. In his Chir. guerre, Lausanne, 1944, 378–402.—**Poer, D. H.** The management of penetrating abdominal injuries; comparative military and civilian experiences. Ann. Surg., 1948, **127**: 1092–102. Also Tr. South. Surg. Ass. (1947) 1948, **59**: 395–405.—**Rodgers, H. W.** Abdominal injuries after evacuation to a base hospital. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 58.—**Schmieden.** Moderne Chirurgie der Kriegsverletzungen des Bauches. Sitzber. Frankf. med. Ges., 1937, 8.—**Searls, H. H., & Shidler, F. P.** Early and late treatment of abdominal war injuries. Tr. West. Surg. Ass. (1945) 1946, **53**: 134–40; Disc., 151–4.—**Terepev, A. A.** Eszszerű hasfali metszések áthatoló hasi lősebnél. Honvédorvos, 1950, **2**: 604 (Abstr.)—**Titov, V. I.** Obšćie principy okazanija pomošći i etapnogo lećenija ranennykh v život; podgotovitelnye meroprijatija pered operativnym vmešatelstvom. In: Opyt sovet. med. Velik. otech. voine, Moskva, 1949, **12**: 89–91. ——— Sroki operativnykh vmešatelstv. Ibid., 91. ——— Obezbolivanie. Ibid., 95. ——— Razrezy brjušnoj stenki. Ibid., 96–8. ——— Revizija brjušnoj polosti. Ibid., 98–100. ——— Primenenie sulfanilamidov. Ibid., 100–3. ——— Metodika zakrytija brjušnoj rany. Ibid., 103–5.—**Walker, R. M., & Hutchinson, W. R. S.** Abdominal injuries at the base hospital. Lancet, Lond., 1945, **1**: 199–202.—**Walton, J.** Cirugía de guerra del abdomen. Rev. san. mil., Habana, 1942, **6**: 268–77.—**Zorraquín, G., & Zorraquín, G. F.** Patología de la guerra; patología y terapéutica de las evisceraciones; inviscerациones sin sutura. Día méd., B. Air., 1943, **15**: 1287–90.

—— Amputation.

See also **Occupational therapy; Surgical unit,** Amputation unit.

Allamand M., J. Amputaciones en tiempo de guerra. Arch. méd., Santiago, 1940, **7**: 26–30.—**Amputations** and artificial limbs. Rev. War Surg. & M., 1918, **1**: No. 6, 41–51.—**Baeyer, H. v.** Zum Problem der Kriegsamputierten. Deut. Militärarzt, 1940, **5**: 368–75.—**Dubs, J.** Die Amputation in der Kriegschirurgie. Helvet. med. acta, 1939–40, **6**: 842–4.—**Geselevich, A. M.** [Amputations in campaigns] Vest. khir., 1938, **55**: 656–76.—**Gorinevskaja, V. V.** Pokazanija k pervičnoj i k vtoričnoj amputacijam. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 240–7. ——— Amputacii pri obširnykh travmatićeskikh povreždenijakh konećnostej. In her Perv. khir. pomoshch travm. voen. mirn. vrem., Moskva, 1942, 327–33.—**Guerreri D'Antona, G.** Ancora sulle amputazioni nelle formazioni sanitarie avanzate. Ann. med. nav., Roma, 1943, **49**: 359–65.—**Harris, R. I.** War amputations. Univ. Toronto M. J., 1943–44, **21**: 215–25.—**Hellner, H.** Die Anzeigenstellung zur Amputation im Felde. Deut. Militärarzt, 1942, **7**: 570–4.—**Ingianni, G.** Chirurgia di guerra; il problema delle amputazioni; la disinfezione delle ferite ottenuta col bagno prolungato. Accad. med., Genova, 1941, **56**: 125–54.—**Karaivanov, P. V.** Po vprosa za prvichnite amputacii na krainicite v mirno i voenno vreme. Khir. & ortop., Sofia, 1948, 185–8.—**Khovanova, A. M., & Burkova, E. V.** Pokazanija k pozdnim amputacijam konećnostej v uslovijakh tylovogo hospitalja. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 348–56, illust.—**Kirk, N. T.** Amputations in war. Army M. Bull., 1942, No. 63, 105–13. Also J. Am. M. Ass., 1942, **120**: 13–6. Also Surgery, 1943, **14**: 475 (Abstr.)—**Kirschner.** Die Höhe der Absetzung bei der Not- und Feldamputation. Schweiz. med. Wschr., 1942, **72**: 54 (Abstr.)—**Kreuz.** Reamputation und Stumpfbehandlung; Richtlinien. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 37.—**Kuprijanov, P. A.** Amputacii i exartikuljacii. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 410–8, pl.—**McAllister, A. C.** Amputations and orthopaedic surgery. J. R. Nav. M. Serv., 1922, **8**: 291; 1923, **9**: 31.—**Melanowski, W. H.** Trzy przypadki amputacji przedniego odcinka oka. Lek. wojsk., 1920, **1**: No. 32, 20–3.—**Melnikov, A. V.** Anaerobnaja infekcia; amputacija. In: Opyt sovet. med. Velik. oteč. vojne, Moskva, 1950, **2**: 161–6.—**Milne, R., & Bailey, H.** Sequestra. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 667–74.—**Odom, C. B.** Causes of amputations in battle casualties with emphasis on vascular injuries. Surgery, 1946, **19**: 562–9.—**Oltramare, J. H.** Amputation des membres. In his Chir. guerre, Lausanne, 1944, 134–42.—**Osten-Sacken, E. J.** Ob amputacijakh vo vremja vojny. Sovet. med., 1939, 16; No. 9, 6–9. Also Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 253–9.—**Page, C. M.** Amputations under war conditions. In: War Wounds (Brit. M. J.) Lond., 1939, 95–104.—**Phalen, J. M.** Surgeon James Mann's observations on battlefield amputations. Mil. Surgeon, 1940, **87**: 463–6.—**Portugalov, S.** Amputacija. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 147–53.—**Priorov, N.** Protezirovanie. Ibid., **4**: 894–8. ——— Reamputacija. Ibid., 1067–70.—**Putti, V.** Amputazioni e protesi. Forze san., Roma, 1940, **9**: No. 7, 3–11.—**Rogge, H.** Der Schienengleitverband am Arm und Bein. In: Kriegschir. Ratgeber, Berl., 1941, 136–43, illust.—**Ryan, T. C.** Amputations; the care of amputee patients. Mil. Surgeon, 1947, **100**: 224–8.—**Schrader, E.** Grundlagen der Amputiertennachbehandlung. Schr. ärztl. Sonderfürs. Schwerverwund., 1943, No. 3, 33–46.—**Shkurov, B. I.** [Amputation and prosthesis of the stump during campaigns] Ortop. travmat., Kharkov, 1940, **14**: 78–89.—**Silfverskiöld, N.** Det praktiskt väsentligaste vid amputationer. In: Fältmed. vademecum, Stockh., 1940, 73–7.—**Tanabe, S.** Zyōsi aruiwa kasi setudan-sya no sekkekkyū tyokkei ni tuite [The diameter of the erythrocytes of persons who have lost upper or lower limbs by amputation] Gun idan zassi, 1938, 1413–32.—**Teneff, S.** Le amputazioni e le disarticolazioni. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 318–42, illust. ——— Le amputazioni. Ibid., 329–35, illust. ——— Le disarticolazioni. Ibid., 335–41, illust. ——— Monconi d'amputazione e protesi. Ibid., 343–61.—**Trueta, J.** Amputation. In his Principl. & Pract. War Surg., S. Louis, 1943, 314–9.—**Wallace, C.** Amputations. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 736.—**Zur Verth, M.**

Die biologische Absetzung der menschlichen Gliedmassen. In: Kriegschir. Ratgeber, Berl., 1941, 150–4, illust.

—— Amputation: Lower extremity.

MEUNIER, C. *De l'opération de Gritti en chirurgie de guerre. 47p. 8° Lyon, 1916.

MOLDENSCHARDT, H. K. L. *Die Grittische Operation im Felde (Auszug). 11p. 8° Lpz., 1921.

ROSSET-BRESSAND, U. E. *Les amputations de cuisse dans les services de l'avant. 44p. 8° Bord., 1917.

SCHWARTZ, R. P. Investigation of prostheses as related to thigh amputations. 6p. 27cm. Wash. [?] 1946.
Forms No. 158, FIAT Final Rep.

STERN, A. Problems in the fitting and servicing of prosthetic devices for above-the-knee amputees. 28 l. 28cm. Port Washington, 1949.
Forms No. 279–1–12, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

UNITED STATES. DEPARTMENT OF THE ARMY. Technical manual, TM 8–293: Physical therapy for lower-extremity amputees. 65p. 24cm. Wash., 1946.

VOGELSANG, E. *Die kriegschirurgischen Erfahrungen bei den Amputationsmethoden nach Lisfranc, Chopart, Pirogoff und Gritti an den Kriegsamputierten des Weltkrieges und ein Ausblick in die Zukunft. 16p. 23cm. Berl., 1940.

Baldermann. Auto-Führersitz für Beinamputierte. Deut. Militärarzt, 1944, **9:** 438–40.—**Baracz, R.** Zur Technik der Oberschenkelamputation in der Kricgschirurgie. Zbl. Chir., 1917, **44:** 474–7.—**Broun, J. R.** Low thigh amputation by the Callander method; case reports. Med. Bull. Veterans Admin., 1941–42, **18:** 237–40.—**Brunnstrom, S.** Physical therapy in aftercare of amputations of lower extremity. U. S. Nav. M. Bull., 1944, **43:** 634–44.—**Chalier, A.** Note sur les amputations de cuisse en chirurgie de guerre à l'occasion de 48 cas. Lyon chir., 1917, **14:** 591–607.—**Corsi, G.** Indikation und Resultate der Amputation Lisfranc bei den Heilergebnissen nach Erfrierungen des Vorderfusses. Deut. Militärarzt, 1942, **7:** 496–9.—**Dzhanelidze, J. J.** Osteoplastikus amputációk és a combcsont reamputációja. Honvédorvos, 1950, **2:** 175 (Abstr.)—**Epstein, G. J., & Zvigalskaja, M. S.** Obśirnye povreźdenija stopy s odnovremennym znaćitelnym razrušeniem kostej; amputacija. In: Opyt sovet. med. Velik. otеć. vojne, Moskva, 1950, **18:** 295–304, 2 pl.—**Ergüder, R.** Ayakları ampûte edilmiş olanlarda Schede cihazının kullunılması. Askerî sihhiye mecmuası, 1946, **75:** No. 47, 33–9.—**Faggiana, F.** Considerazioni clinico-statistiche sulle amputazioni e riamputazioni degli arti inferiori nel centro mutilati di Roma. Gior. med. mil., 1948, **95:** 233–40.—**Fradkin, N. F., Hun, H. H., & Campbell, E. H.,** jr. Septic phlebitis following thigh amputation for gas gangrene with case reports. Med. Bull. North Afr. Theater U. S., 1944, **1:** 8–10.—**Gallie, W. E.** The experience of the Canadian Army and Pensions Board with amputations of the lower extremity. Ann. Surg., 1941, **113:** 925–31. ——— The experience of the Canadian Army with amputations of the lower extremity. Surgery, 1941, **10:** 516.—**Gektin, F. L.** Materialy k voprosu ob amputacii goleni i bedra. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 340–7.—**Harris, R. I.** Wartime amputations; the value of end bearing stumps in the lower extremity. Wisconsin M. J., 1942, **41:** 1086–90.—**Kissane, M. M.** Traction for bilateral leg amputees. Bull. U. S. Army M. Dep., 1946, **5:** 145.—**Korolev, B. A.** Kostnoplastićeskaja amputacija goleni po metodu Kirschnera. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 213–23.—**Lurje, J. I.** Pokàzanija k reamputacii po Pirogovu i Saimu. Tr. Evakohosp., Leningr., 1943, No. 2, 134–7.—**Martin, J.** Sur l'amputation de cuisse en chirurgie de guerre. Rev. chir., Par., 1918, **55:** 104–24.—**Meyer, N. C.** Guillotine amputation modified to preserve skin flaps. U. S. Nav. M. Bull., 1946, **46:** 1844–7.—**Nesting, O. S.** Revision of below-knee amputation stumps. Ibid., 1945, **44:** 1187–94.—**Olson, P. F.** Revision of thigh amputation. Ibid., 1180–7.—**Patel.** Du choix d'une amputation du membre inférieur dans les blessures de guerre. Rev. Serv. san. mil., Par., 1940, **112:** 161–8.—**Pelvic** (A) fitting hip control. Bull. U. S. Army M. Dep., 1946, **6:** 27.—**Physical** therapy management of lower extremity amputees. Ibid., **5:** 623.—**Polonsky, M. N.** Lećebnaja fizkultura pri amputacijakh niźnikh konećnostej v svete zadać protezirovanija. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 145–9.—**Popov, E. N.** Novaja modifikacija kostnoplastićeskoj amputacii stopy po Pirogovu. Voen. med. J., Moskva, 1947, No. 2, 12–4.—**Pumphrey, R. E., Johnson, M. A.** [et al.] A wire ladder-splint skin-traction device for thigh amputations. U. S. Nav. M. Bull., 1945, **45:** 1177.—**Rounds, R. C.** Temporary lower extremity cineplasty. U. S. Armed Forces M. J., 1950, **1:** 173, illust.—**Scheele, K.** Der Fischmaulschnitt zur Oberschenkelamputation bei Gangrän. Bull. War M., Lond., 1942–43, **3:** 201 (Abstr.)—**Senderovich, I. L.** Korotkaja kultja goleni i plastićeskie metody zakrytija amputacionnoj ee poverkhnosti. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 135–43.—**Stoian, C., & Tudor, A.** [Intra-abdominal iliosacral disarticulation] Rev. san. mil., Bucur., 1930, **29:** 70–6.—**Thomsen, W.** Probleme des Unterschenkelstumpfes. Deut. Militärarzt, 1943, **8:** 666–70.—**Towel** (A) for use in thigh amputations. Bull. U. S. Army M. Dep., 1945, **4:** 7.—**Villafañe, I. Z.** Modificación a la técnica de la amputación del muslo a lo Callander-Pearl. Rev. san. mil., B. Air., 1945, **44:** 1182–8.—**Zhuravskaja, I.** Kostno-plastićeskaja amputacija po Pirogovu v proślom i nastojaśćem. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 156–61.

—— Amputation: Upper extremity.

Berliner, B. I. [Krukenberg's one-stage operation] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 90–5.—**Fedorov, A. M.** Ruka Krukenberga. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 284–95.—**Hartgering, J. B., Schell, M. W., & Armistead, T. N.** Traumatic amputation of entire upper extremity. Bull. U. S. Army M. Dep., 1949, **9:** 720–2.—**Oliveras Devesa, M.** La caligrafía en los amputados por el miembro torácico derecho. Rev. españ. med. cir. guerra, 1939, **2:** 384–97.—**Rogers, L.** Amputation of fingers. J. R. Nav. M. Serv., 1941, **27:** 137–41.—**Rogover, E.** Krukenberga ruka. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 221–4.—**Sternberg, I. J.** Amputacionnye kulti i ikh protezirovanie. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 357–62, illust.

—— Anesthetization.

See also **Battlefield,** Medical activities; **Chemical warfare,** Problems; **Gas poisoning,** Surgery; **Injury,** Treatment: Anesthetization; **Jaw,** Injury; **Neurosurgery,** Methods; **Pain,** Surgery; **Shock,** Treatment; also names of anesthetics as **Percaine; Procaine; Trichlorethylene;** etc.

TROUVÉ, J. *Contribution à l'étude de l'anesthésie en chirurgie de guerre [Paris] 51p. 25½cm. Vanves, 1939.

Anaesthesia in the Canadian Army overseas. J. Canad. M. Serv., 1943–44, **1:** 275.—**Anaesthesia** in war. Med. J. Australia, 1943, **2:** 96.—**Andrade, M. A. de.** Conceito atual da anestesia em cirurgia de guerra. Med. cir. pharm., Rio, 1943, 173–86.—**Ayres Netto, P.** Anesthesia in war surgery. Current Res. Anesth., 1944, **23:** 54; 95.—**Bourne, W.** Anaesthesia in war circumstances. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 278–83.—**Castro Araújo, F. de.** Anestesia em cirurgia de guerra. Rev. med. mil., Rio, 1943, **32:** 433–55. Also Rev. méd. cir. Brasil, 1944, **52:** 439–57.—**Clement, F. W., & Elder, C. K.** Observations on wartime anesthesia. Anesthesiology, 1943, **4:** 516–22.—**Cordier, D.** L'anesthésie en chirurgie de guerre. Bull. War M., Lond., 1942–43, **3:** 450 (Abstr.)—**Costantini, H.** Plaidoyer pour l'anesthésie. Réun. méd. chir. Armée fr., 1946, 143–6.—**Crane, R. M., & Sankey, B. B.** Recent developments in anesthesia of significance to the military surgeon. Current Res. Anesth., 1941, **20:** 151–5.—**Danilov, I.** Obezbolivanie. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1389–97.—**Desmarest, E.** Nos ressources anesthésiques. Presse méd., 1940, **48:** 4.—**Dogliotti, A. M.** L'anestesia chirurgica in guerra. Gior. ital. anest., 1935, **2:** 7–15.—**Donaghy, G. E.** Modern anesthesia for war surgery. Mil. Surgeon, 1940, **86:** 577–81.—**Duarte da Cunha, B.** Aspectos da cirurgia de guerra na Inglaterra; notas sôbre anestesia. Rev. med. mil., Rio, 1947, **36:** 326–32.—**Ehrlich, S. D.** The status of anesthesia in military surgery. Hebrew M. J., N. Y., 1943, **2:** 173–9.—**Farias, S.** · Anestesia em cirurgia de guerra. Impr. méd., Rio, 1942, **18:** No. 347, 65–70. Also Rev. med. Bahia, 1942, **10:** 211–23.—**Flagg, P. J.** Anaesthesia in the Armed Forces. J. M. Soc. Co. New York, 1942, **1:** No. 32, 4–6.—**Genauer, M. B.** Anesthesia in military medicine; administration by the unskilled. U. S. Nav. M. Bull., 1944, **43:** 105–10.—**Graña, F.** Anesthesia in war surgery. J. Internat. Coll. Surgeons, 1944, **7:** 175–8.—**Hesse, F.** Die operative Schmerzbekämpfung im Kriege. Zbl. Chir., 1943, **70:** 1539 (Abstr.)—**Hultén, O.** [Narcosis and anesthesia during warfare] Nord. med., 1939, **2:** 1554–6.—**Kirschner, M.** Die operative Schmerzstillung im Kriege. Deut. Militärarzt, 1939, **4:** 153–63.—**Kuprijanov, P. A.** Obezbolivanie. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A. & Banaitis, S. I.) Moskva, 1942, 233–8.—**McCulloch, J. F.** Anaesthesia under wartime conditions. Med. J. Australia, 1943, **2:** 81–3.—**MacEwen, H. B.** Anesthesia. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 6, 38–40.—**McMullin, J. J. A., & Thornton, J. P.** Anesthesia. U. S. Nav. M. Bull., 1942, **40:** 803–10.—**Maia, T. A. de O.** Anestesia em cirurgia de guerra. In: Lic. anestes. (Briquet, R. C.) S. Paulo, 1944, 472–8.—**Mantell, L. K., & McCuskey, C. F.** Anesthesia for military needs. California West. M., 1944, **60:** 247–50.—**Marshall, S. V.** Further aspects of anaesthesia under wartime conditions. Med. J. Australia, 1943, **2:** 83–5.—**Oltramare, J. H.** De l'anesthésie en chirurgie de guerre.

In his Chir. guerre, Lausanne, 1944, 424–38.—**Papper, E. M.** A anestesia nas fôrças armadas. Rescnha clin. cient., S. Paulo, 1945, **14**: 149–51. ——— & **Sheehan, W. C.** Anesthesiology in military medicine. Anesthesiology, 1943, **4**: 619–24.—**Pasquié.** Anesthésie aux armées. Mém. Acad. chir., Par., 1946, **72**: 324–6.—**Pender, J. W., & Lundy, J. S.** Anesthesia in war surgery. War Med., Chic., 1942, **2**: 193–212.—**Pinelli, J. B. L.** L'anesthésie opératoire aux armées. Rev. Serv. san. mil., Par., 1940, **112**: 207–18.—**Rapant, V.** Znecitnění ve válečné chirurgii. Voj. zdrav. listy, 1949, **18**: 254–64.—**Rovenstine, E. A.** Anesthesia during the circumstances of war. J. Internat. Coll. Surgeons, 1944, **7**: 301–7.—**Saklad, M., Saklad, E., & Sellman, P.** Anesthesia for war surgery. Connecticut M. J., 1944, **8**: 735–43.—**Savege, J. M.** Anaesthesia in war. J. R. Army M. Corps, 1941, **76**: 107–10.—**Scriven, W.** Anaesthesia. Ibid., 1948, **90**: 306–12.—**Smith, F. J.** Anesthesia in war circumstances. J. Am. Osteopath. Ass., 1943–44, **43**: 185–7.—**Starlinger, F.** Der Schmerz und seine Bekämpfung im Rahmen der Wehrchirurgie. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 121–31.—**Süreyya Endik & Ekrem Sàdi Kavur** [Anesthesia in war surgery] Askerî sıhhiye mecmuası, 1940, **69**: No. 32, 8–16.—**Teneff, S.** Anestesia. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 50-65; illust. ——— Il dolore ed il suo trattamento. Ibid., 133–5.—**Tovell, R. M.** Presidential address. Anesthesiology, 1941, **2**: 460–2.—**Trueta, J.** Anesthesia in wartime. In his Principl. & Pract. War Surg., S. Louis, 1943, 164–9.

—— Anesthetization: Apparatus and devices.

Anesthesia and inhalation apparatus. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 1h, 9.

—— Anesthetization: Choice.

Neto, P. A. Dos métodos de anestesia e sua seleção em cirurgia de guerra. p.85–131. 24cm. S. Paulo, 1944.

In: Liç. anestes. (Briquet, R. C.)

Ajazzi-Mancini, M. Problemi attuali di anestesia di guerra. Athena, Roma, 1940, **9**: 334–6.—**Bandera, B.** Modalidades de la anestesia en cirugía de guerra. Prensa méd. mex., 1944, **9**: 93.—**Beecher, H. K.** Anesthesia for men wounded in battle. Ann. Surg., 1945, **122**: 807–19. Also Med. Bull. Medit. Theater U. S., 1945, **3**: 113–21.—**Bigelow, G.** Trends in anaesthesia for wartime surgery. J. Canad. M. Serv., 1943–44, **1**: 337–45.—**Bilhaut.** L'anesthésie et les anesthésiques généraux et locaux en chirurgie de guerre. Rev. path. comp., Par., 1917, **17**: 76–80.—**Bourne, W.** Anaesthesia in war circumstances. Canad. M. Ass. J., 1942, **46**: 241–5.—**Burdenko, N. N.** [Requirements of anesthetics in the future war] Sovet. med., 1939, No. 2, 7–10.—**Camoriano, P.** Anestesia in traumatologia di guerra. Gior. ital. anest., 1937, **3**: 293–324.—**Cordier, D.** Anesthésie. In his Probl. méd. guerre, Montréal, 1943, 89–117.—**Crile, G.** Anesthesia. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 166–84.—**Evans, W. E. F., & Gilles, J.** Anaesthetizing the wounded. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 483–90.—**Flagg, P. J.** Standardized anesthesia. Time, 1942, **40**: No. 13, 86.—**Goldhahn, R.** Schmerzauschaltung unter besonderer Berücksichtigung der Kriegsverhältnisse. Med. Welt, 1940, **14**: 1–6.—**Gould, R. B.** Anaesthesia for the badly wounded. Med. Press & Circ., Lond., 1943, **210**: 151–3.—**Greenfield, I.** Anesthesia for abdominal surgery following trauma. Bull. U. S. Army M. Dep., 1945, **4**: 666–73.—**Härtel, F.** Der heutige Stand der Betäubungsfrage mit Rücksicht auf ihre Anwendung im Kriegsfalle. Med. Welt, 1937, **11**: 1572–5.—**Halford, F. J.** A critique of intravenous anesthesia in war surgery. Anesthesiology, 1943, **4**: 67–9.—**Iesu, G.** La elección de la anestesia en cirugía de guerra. Rev. españ. med. cir. guerra, 1940, **5**: 226–33.—**Johnson, B.** Anaesthesia in abdominal operations. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 64–6.—**Macías de Torres, E.** La elección de anestesia en cirugía de guerra. Rev. españ. med. cir. guerra, 1940, **4**: 429–40.—**Mackenzie, J. R.** Anaesthetics for the wounded soldier. Med. Press & Circ., Lond., 1945, **213**: 137–40.—**Marques Porto, E.** Métodos práticos de anestesia e analgesia em cirurgia de guerra. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 151–79 [Disc.] Proc., 164–87. Also Rev. med. cir. Brasil, 1942, **50**: 327–46.—**Marston, A. D.** Basal narcotics in war surgery. Mod. Treat. Yearb., Lond., 1943, **9**: 185–91, pl.—**Martin, S. J.** Current considerations of the Army anesthesiologist. N. England J. M., 1943, **229**: 893–8.—**Metcalfe, R. F., & Willcutts, M. D.** Practical procedures for anesthesia and analgesia in war surgery. Off. Rep. Internat. Congr. Mil. M. Pharm., 1939, 10. Congr., 183–206 [Disc.] Proc., 164–87.—**Mondadori, E. C. F.** O problema da anestesia em cirurgia de guerra. An. paul. med. cir., 1943, **45**: 11–9. Also Current Res. Anesth., 1944, **23**: 120–4.—**Monod, R.** Choix de l'anesthésie aux armées. Anesthésie, Par., 1939, **5**: 362–8. ——— L'anesthésie en chirurgie de guerre. Ibid., 384–405.—**Němec, K.** [Use of ether and chloroform in war surgery] Voj. zdrav. listy, 1938, **14**: 240–5.—**Oliveira, A. B. de.** Medicação pré-anestésica; escôlha dos agentes e métodos de anestesia em cirurgia de guerra. In: Liç. anestes. (Briquet, R. C.) S. Paulo, 1944, 63–84, illust.—**Parry-Price, H.** Service anaesthetics; the variation between service and civilian anaesthetics. J. R. Nav. M. Serv., 1940, **26**: 134–8.—**Pender, J. W.** Logical methods for anesthesia. Surg. Clin. N. America, 1944, **24**: 1460–71.—**Phillips, R. B.** Modern technic in the anesthesia of abdominal surgery. U. S. Nav. M. Bull., 1942, **40**: 147–54.—**Question** (The) of intravenous anesthesia in war surgery. Anesthesiology, 1943, **4**: 74–7.—**Rychlik, E.** [Adequate anesthesia during operations of war] Cas. lék. česk., 1937, **76**: 1228–31.—**Schaak, V. A.** [Anesthesia during military operations] Vest. khir., 1940, **59**: 331–9.—**Shortz, G.** The management of the first priority surgical casualty from the anesthetic viewpoint. J. Indiana M. Ass., 1945, **38**: 37–40.—**Thiollet.** Procédés d'anesthésie susceptibles d'être employés en temps de guerre. Maroc méd., 1939, **19**: 207–12.—**Vignes, H.** A propos de l'anesthésie en chirurgie de guerre. Rev. path. comp., Par., 1916, **16**: 313–24. ——— Note sur l'anesthésie en chirurgie de guerre. Ibid., 1917, **17**: 186–8.—**Waters, R. M.** Modern methods in anesthesia and the war. Surg. Gyn. Obst., 1943, **76**: 125–7.—**Wiggin, S. C.** Anesthesia for the surgery of trauma. Am. J. Surg., 1943, **59**: 363–9.—**Woodfield-Davies, H.** War problems in anaesthesia. Med. Press & Circ., Lond., 1944, **211**: 356–8. Also Mod. Treat. Yearb., 1945, 252–7.

—— Anesthetization: Combat zone.

Bateman, D. V. Some notes on anaesthesia in the field. London Hosp. Gaz., 1943–44, **47**: 208.—**Dubs, J.** [Fundamental and sanitary view-points on elimination of pain in the field] Militaerlaegen, 1938, **44**: 116–41.—**Gottesbueren.** ¿Que anestesias pueden emplearse en campaña? Rev. san. mil., B. Air., 1936, **35**: 1058–77.—**Hayman, I. R.** Experiences with anesthesia in combat areas. War Med., Chic., 1944, **6**: 353–6.—**Holle, F.** Praktische Erfahrungen über die Schmerzbekämpfung in der Kriegschirurgie des Hauptverbandplatzes und Feldlazaretts. Deut. Militärarzt, 1942, **7**: 85–91. Also Spanish transl., Rev. san. mil., B. Air., 1942, **41**: 550–61. Also Schweiz. med. Wschr., 1942, **72**: 778 (Abstr.) Also Bull. War M., Lond., 1942–43, **3**: 211 (Abstr.) Also Zbl. Chir., 1943, **70**: 1538 (Abstr.)—**Kirschner, M.** Die Schmerzbekämpfung im Felde. Chirurg, 1936, **8**: 269–76.—**Lauber, H. J.** Die Schmerzbekämpfung im Felde. Klin. Wschr., 1942, **21**: 867 (Abstr.)—**McCuskey, C. F.** Anesthesia at the front. Mil. Surgeon, 1944, **94**: 218–22.—**Metcalfe, R. F.** War! anesthesia and analgesia in the combat zone. Current Res. Anesth., 1941, **20**: 145–50.—**Michaël, P. R.** [Anesthesia and its adaptation in the field] Tschr. tandheelk., 1940, **47**: 537–55.—**Mousel, L. H.** The present status of anesthesia and its practical application in the combat zone. Mil. Surgeon, 1939, **85**: 103–13.—**Popov, V. I.** [Anesthesia during military operations] Vest. khir., 1941, **61**: 178–83.—**Schmid.** Schmerzbekämpfung im Felde. Schweiz. med. Wschr., 1937, **67**: 1022–6.—**Shortz, G.** Anesthesia in the combat zone. Bull. U. S. Army M. Dep., 1944, No. 79, 60–5.—**Stich, R.** Schmerzausschaltung in der Feldchirurgie. Med. Klin., Berl., 1938, **34**: 534–6.—**Uglov, F. G.** Obezbolivanie v vojskovom rajone. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 134–8.—**Wildegans, H.** Schmerzstillung im Felde. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 146–55. Also 6. Aufl., Dresd., 1943, 165–75. Also 9. Aufl., Dresd., 1944, 169–79.—**Zemgulys, J.** [Anesthesia at the front] Medicina, Kaunas, 1940, **21**: 85–104.

—— Anesthetization: General anesthesia.

Haubenreisser, W. J., Käfer, H., & Magnus, G. Narkose im Felde. p. 76–144. 23cm. Berl., 1935.

Veröff. Heer. San., 1935, H. 97.

Schön, O. T. W. W. *Narkose im Felde. 51p. 23cm. Berl., 1938.

Aiazzi Mancini, M. Moderne vedute sulla narcosi in chirurgia di guerra. Policlinico, 1940, **47**: Sez. prat., 2016 (Abstr.)—**Danilov, I.** Narkoz. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1220–31.—**Gottesbüren.** Welche Narkosearten kommen im Felde in Frage? kurzer Ueberblick über die bekannten Narkosearten. Veröff. Heer. San., 1935, H. 98, 5–25.—**Hesse.** Narkoseverfahren im Kriege. Beitr. klin. Chir., 1940–41, **171**: 140.—**Hillebrand.** Narkose und Lumbalanästhesie in der Kriegschirurgie. Deut. Militärarzt, 1943, **8**: 416–20.—**Hultén, O.** Narkos och anästesi under fältförhållanden. In: Handledn. & Försvarsmed., Stockh., 1940, **2**: 118–24.—**Killian.** Zur Frage der Allgemeinnarkose in der Praxis und im Felde. Zbl. Chir., 1939, **66**: 1367–71.—**Krabbel, M.** Die Narkose des Feldarztes. Med. Klin., Berl., 1939, **35**: 1591.—**Mancini, M. A.** Moderne vedute sulla narcosi di chirurgia di guerra. Minerva med., Tor., 1940, **31**: pt 2, 214.—**Nestmann, F.** Narkoseerfahrungen im Felde. Med. Klin., Berl., 1942, **38**: 824–6. Also Bull. War M., Lond., 1942–43, **3**: 332 (Abstr.)—**Regidor, P.** Allgemeine Anästhesie in den spanischen Feldlazaretten während des letzten Krieges. Med. Klin., Berl., 1940, **36**: 838 (Abstr.)—**Rehn, E.** Zur Frage der Allgemeinnarkose in der Praxis und im Felde; zugleich über biologische Anzeigestellung zur Schmerzbetäubung. Arch. klin. Chir., 1939, **196**: 197–210.—**Wachsmuth, W.** Zur Frage der Narkose im Felde. Ibid., 243–53 [Disc.] 133–5.—**Zopff, G.** Die Ueberdruckatmung und -narkose im Felde. Deut. Militärarzt, 1940, **5**: 478–81.

—— Anesthetization: Hospital practice.

PARAF, M. *Contribution à l'étude de l'anesthésie en temps de guerre; hôpital d'évacuation, hôpital de campagne américains. 28p. 24½cm. Par., 1945.

Cardwell, J. L. Anesthesia trends in naval hospitals. Anesthesiology, 1945, **6**: 83–5.—**Gardner, S.** Anesthesia service at the U. S. Naval Hospital, Great Lakes, Illinois. Current Res. Anesth., 1942, **21**: 312–7.—**Kaye, G.** Impressions of anesthesia in a military base hospital. Anesthesiology, 1942, **3**: 247; 379.—**Monheim, L. M.** Anesthetic procedures used in a general hospital in the communication zone with analysis of 2,000 anesthetics. Current Res. Anesth., 1946, **25**: 67–78.—**Quin, B. M.** Anesthesia in Army hospitals. Bull. Am. Ass. Nurse Anesth., 1940, **8**: 281–5.—**Turnbow, W. R.** Anesthesia for severe abdominal wounds; based on war experiences with the 56th Evacuation Hospital. South. M. J., 1947, **40**: 563–6.

—— Anesthetization: Local anesthesia.

Duhau & Bolot. Anesthésie loco-régionale des membres en chirurgie de guerre, amputations et résections en particulier. Gaz. hôp., 1939, **112**: 1458.—**Elder, C. K.** The military scope of local anesthetic agents. Current Res. Anesth., 1943, **22**: 241–51.—**Geisthövel, W.** Die praktische Bedeutung der Lokalanästhesie in der modernen Chirurgie. In: Kriegschir. Ratgeber, Berl., 1941, 83–7.—**Leinwand, I.** The use of local anaesthesia in the treatment of sprains, or local tissue injury without open wounds. Mil. Surgeon, 1943, **92**: 60–3.—**Lorente Sanz, F.** La anestesia local por infiltración y como base de la escopolamina-eucodal-efetonina en cirugía de guerra; Campaña rusa 1941–42. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2**: 221–3.—**Pshenichnikov, V. I.** [Local anesthesia in Army hospitals] Sovet. med., 1940, No. 5, 34–6.—**Turai, I.** Anestezia plexului brachial, metoda Kulenkampf. Rev. san. mil., Bucur., 1937, **36**: 961–5.

—— Anesthetization: Navy.

Canton. L'anesthésie opératoire à bord pendant le combat sur mer. Arch. méd. pharm. nav., 1936, **126**: 332–47.—**Clark, D. G.** Anesthesia activities aboard U. S. S. Benevolence. U. S. Nav. M. Bull., 1948, **48**: 190–7.—**Fulton, J. R.** Anesthesia in naval practice. Surg. Clin. N. America, 1941, **21**: 1545–58.—**Gardner, S.** Anesthesia in the Navy. Anesthesiology, 1942, **3**: 459.—**Lees, J.** The choice of anaesthesia for abdominal surgery at sea. J. R. Nav. M. Serv., 1943, **29**: 233–7.—**Magnus.** Die Schmerzbetäubung an Bord. Deut. Militärarzt, 1937, **2**: 105–7.—**McIntire, R. T.** Anesthesia in the United States Naval Service. J. Internat. Coll. Surgeons, 1939, **2**: 185–9.—**Stoddard, C. C.** Anaesthesia as practised on active service in the Navy. Canad. M. Ass. J., 1944, **51**: 409–12.—**Stor.** Die Schmerzbekämpfung an Bord. Deut. Militärarzt, 1938, **3**: 259–63.

—— Anesthetization, spinal.

Brooks, A. M. Use of fractional spinal anesthesia at a mobile hcspital. U. S. Nav. M. Bull., 1944, **42**: 1174–7.—**Hackl & Necip Riza.** Tababeti baytariyede ibtali hissi acezî [Anesthésie sacrale et mode d'emploi dans la médecine vétérinaire] Askerî tibbi baytari mecmuası, 1929, **7**: 142–7.—**Martin Santos, L.** Observaciones sobre 2.075 raquianestesias lumbares con estovaina; la percaína como anestésico raquidiano; sus resultados en 70 casos. Rev. san. mil., Madr., 1932, **22**: 161; passim.—**Wirth, K.** Lumbalanästhesie im Felde? Zbl. Chir., 1943, **70**: 553–62.

—— Anesthetization—by type of anesthetic.

Kogen, A. L. O vnutrivennom alkoholnom narkoze. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 131–7.—**Verkhovskaja, E. V.** K praktike vnutrivennogo alkoholnogo narkoza. In: Sborn. nauch. rabot N-sky evakhosp. (Dikovicky, A. A.) Gorky, 1943, 74–6.

—— Anesthetization—by type of anesthetic: Barbiturates.

Adams, R. C., & Gray, H. K. Intravenous anesthesia with pentothal sodium in the case of gunshot wound associated with accompanying severe traumatic shock and loss of blood; report of a case. Anesthesiology, 1943, **4**: 70–3.—**Bilbao Rioja, D.** L'anesthésie à l'évipan sodique en chirurgie de guerre. Mém. Acad. chir., Par., 1937, **63**: 1211–6.—**Bosse, P.** Zur Frage der intravenösen Narkose und ihrer Brauchbarkeit für die vorderste Front. Schmerz, 1936, **9**: 64–71.—**Brooks, A. M.** The use of sodium pentothal with nitrous oxide-oxygen-ether anesthesia. U. S. Nav. M. Bull., 1944, **42**: 598–600.—**Burstein, C.** Precautions in anesthesia with intravenous pentothal sodium. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 16, 3–8.—**Curtiss, E. S.** Pentothal sodium in North Africa; 2500 administrations at a base hospital. Lancet, Lond., 1944, **1**: 822–4.—**Deubner.** Lazaretterfahrungen mit dem Evipanrausch. Deut. Militärarzt, 1936, **1**: 384–8.—**Dunnill, D.** Continuous pentothal anaesthesia; a series of 200 cases given with a simplified portable apparatus. J. R. Army M. Corps, 1943, **80**: 217–20.—**Gilenko, M. M.** [The induction of anesthesia with hexenal administered per os] Bull. War M., Lond., 1942–43, **3**: 622 (Abstr.)—**Greene, B. A.** Prolonged intravenous pentothal sodium anesthesia especially with reference to its application to military surgery. N. York State J. M., 1944, **44**: 1205–13.—**Hesse.** Ueber die Anwendung des Evipannatriums bei grossen operativen Fingriffen und seine Gebrauchsfähigkeit im Kriege. Chirurg, 1940, **12**: 294.—**Inadvertent** injection of sodium pentothal into an artery. Bull. U. S. Army M. Dep., 1945, No. 86, 32.—**Intra-arterial** injection of pentothal; a warning. Bull. Army M. Dep., Lond., 1944, No. 37, 8.—**Jarman, R.** The use of pentothal in war surgery. Med. Press & Circ., Lond., 1941, **206**: 408–11.—**Joers, L. E. C.** Pentothal sodium anesthesia. U. S. Nav. M. Bull., 1942, **40**: 370–3, pl.—**Lieberman, S. L.** Experiences with pentothal sodium anesthesia in war casualties. Anesthesiology, 1944, **5**: 517–20.—**Marshall, S. V.** Experience with pentothal in war surgery. What's New, North Chic., 1942, No. 59, 9 (Abstr.)—**Norman, H. B.** Exfoliative dermatitis following phenobarbitone administration. J. R. Army M. Corps, 1943, **81**: 145–7.—**Nosčinsky, V.** Novyj vnutrivennyj narkoz Eunarkon. Voen. san. delo, 1936, No. 6, 11–4.—**Pentothal anesthesia.** Bull. U. S. Army M. Dep., 1945, No. 85, 7.—**Pentothal** in forward areas. Bull. Army M. Dep., Lond., 1945, No. 48, 7.—**Raffan, A. W.** Continuous intravenous anaesthesia with sodium pentothal at a military hospital in the Middle East. J. R. Army M. Corps, 1943, **80**: 257–61.—**Rose, A. T.** Sodium pentothal; actual experience in the combat zone. Anesthesiology, 1943, **4**: 534–9. ——— Pentothal in the combat zone. What's New, North Chic., 1943, No. **76**: 8 (Abstr.)—**Rudder, F. F.** A mechanical aid for the administration of pentothal sodium intravenous anesthesia. Mil. Surgeon, 1943, **93**: 426.—**Schwerdtfeger, H.** Erfahrungen mit der kombinierten SEE-Evipannarkose in der Kriegschirurgie. Deut. Militärarzt, 1944, **9**: 323–5.—**Wade, E. M.** Intravenous pentothal sodium anesthesia, with illustrative cases. U. S. Nav. M. Bull., 1941, **39**: 235–49. ——— Intravenous anesthesia in naval war surgery. Ibid., 1942, **40**: 367–9.—**Wainwright, G. A.** Experiences with pentothal during the first 100 days following the Normandy invasion. J. Canad. M. Serv., 1944–45, **2**: 414–9. Also Canad. M. Ass. J., 1945, **52**: 484–8.—**Wehnert.** Erfahrungen mit Evipan-Natrium und Eunarkon. Veröff. Heer. San., 1939, H. 109, 31–52.—**Werthmann, H., & Ebster, H.** Das Kurznarkoticum Eunarcon. Deut. Militärarzt, 1939, **4**: 177–80.

—— Anesthetization—by type of anesthetic: Ethyl chloride.

Khaskelevich, M. G. [On the use of ethyl chloride anesthesia in the Army] Vrach. delo, 1939, **21**: 533–6.

—— Anesthetization—by type of anesthetic: Ethyl ether.

Bornemisza, G., Galambos, J., & Megyesi, Z. Az oxygenes aetheraltatás egyszerűsítése. Honvédorvos, 1950, **2**: 138–43, illust.—**Martin, S. J.** Ether anesthesia at Army medical installations. Current Res. Anesth., 1943, **22**: 216–9.—**Papper, E. M.** Convulsions during inhalation anesthesia. Bull. U. S. Army M. Dep., 1945, No. 84, 81–5.—**Puddy, E. I.** Ether clonus and ether convulsions occurring in the same patient. J. R. Nav. M. Serv., 1941, **27**: 384–6.—**Saleh, A. H.** Endotracheal anaesthesia; improved model of air-ether bottle. J. R. Army M. Corps, 1944, **82**: 141–3.—**Stevens, T. W.** Device for administering ether-oxygen inhalation anesthesia in the tropics. Hosp. Corps Q., 1944, **17**: 59.

—— Anesthetization—by type of anesthetic: Nitrous oxide.

See **Nitrous oxide.**

—— Anesthetization—by type of anesthetic: Refrigeration.

HOWELL, S. R., SCHLACK, C. A., & TAYLOR, B. L. A modification of an applicator used in dental anesthesia induced by local refrigeration. 19p. 27cm. Bethesda, 1948.

Forms Rep. No. 3, Proj. NM 008 001 (or, X–161) U. S. Nav. M. Res. Inst.

Allen, F. M. The status of refrigeration for military surgery. Arch. Phys. M., 1945, **26**: 92–8. ——— & **Crossman, L. W.** Suggested uses of refrigeration anesthesia including war surgery. Arch. Phys. Ther., 1942, **23**: 711–8.—**Dental** anesthesia induced by local refrigeration. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 5.—**Durieux.** Thérapeutique chirurgicale par le froid (réfrigération) Bull. Soc. méd. mil. fr., 1945, **39**: 261–9.—**Engel, M. B.** Thermal stimuli in operative dentistry; control of pain. U. S. Nav. M. Bull., 1944, **43**: 502.—**Judin, S. S.** [Ice anesthesia in amputations] Voen. med. J., Moskva, 1944, 20–32. ——— Végtagcsonkolás fagyasztással elért érzéstelenségben. Honvédorvos, 1950, **2**: 445 (Abstr.)—**Kennedy, J. A.** A technic and device for application of ice anesthesia for amputation of extremities. U. S. Nav. M. Bull., 1943, **41**: 226–30.—**Laird, G. J.** Crymotherapy in surgery of the extremities. Air Surgeon Bull., 1945, **2**: 220.—**Lipton, S. J.** Refrigeration anesthesia. Med. Bull. Veterans Admin., 1944–45, **21**: 206–10.—**Loványi, I.** A hűtés alkalmazása a végtagok sebészetében és a hűtéses anaesthesia.

Honvédorvos, 1950, 2: 415–8.—**Modification** (A) of an applicator used in dental anesthesia induced by local refrigeration. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 15.—**Montagne, A.** La anestesia por refrigeración en las amputaciones. Rev. san. mil., Lima, 1946, 19: 25–7.—**Ottaway, J. P., & Foote, J. J.** Refrigeration of wounded extremities. U. S. Nav. M. Bull., 1944, 43: 1041–3.—**Perlow, S.** Refrigeration anesthesia in leg amputation. Ibid., 42: 433–7. ——— Plexi-glass box for refrigeration of extremities. Field M. Bull. (Burma) 1945, 4: 330.—**Roca, C. A., Lazaroni, A. F., & Lacour, J. P.** Anestesia por refrigeración. Rev. san. mil., B. Air., 1944, 43: 979–97.

—— Antisepsis.

See also next subheading; also **Disinfection.**

Arjev, T. Antiseptika, aceptika. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 212–5.—**Goodman, B. A.** Asepsis and antisepsis; its significance in operating room management. Mil. Surgeon, 1939, 84: 246–52.—**Gú.** Notas quirúrgicas de la campaña actual; ¿Asepsia ó antisepsia en cirurgia de guerra? Rev. san. mil., Madr., 1917, 3. ser., 7: 665; 697.—**Iliesco, C.** Etude préliminaire sur l'antiseptique de campagne. Rev. internat. Croix Rouge, 1938, 20: 114; passim.—**Trueta, J.** Antiseptics. In his Principl. & Pract. War Surg., S. Louis, 1943, 184–94.

—— Asepsis.

See also **Dispensary; Sterilization.**

Gutschmidt. Ueber neuzeitliche Sterilisierungsverfahren. Deut. Militärarzt, 1938, 3: 419–25.—**Paullus, G. E.** Asepsis and aseptic technique. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 274–83.—**Shastin, N., Maimind, S., & Belikov, L.** Sterilizacija. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 307–12.

—— Bandaging and splinting.

See also **Bandage; Dressing; Splint; Splinting.**

Zacepin, T. Redressacija. In: Encikl. slovar voen. med., Moskva, 1946–48, 4: 1082–4.

—— Bones and joints.

See also other subheadings; also **Orthopedics, Methods; Traumatology.**

Autogenous bone grafts for nonunion in atrophic long bones and in chronic suppurative osteitis (osteomyelitis) following war wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 11: pt 1, 652–86.—**Bonnet, G. F. P. R.** L'évolution des idées dans les indications et la technique de l'ostéosynthèse (1926–36) Rev. Serv. san. mil., Par., 1937, 107: 181–97.—**Branch, H. E., & Moldavsky, L. F.** Penicillin and bone grafting operations; evaluation of operations performed without penicillin and those performed with penicillin. Mil. Surgeon, 1946, 99: 25–31.—**Caiado, I. de C.** Alguns casos de cirurgía ossea. Rev. med. mil., Rio, 1937, 26: 207–25.—**Delaye.** Le traitement des traumatismes ostéo-articulaires par les infiltrations de novocaine. Bull. Soc. méd. mil. fr., 1938, 32: 231–41.—**Delrez, Neuman** [et al.] Traitement des plaies de guerre du squelette. Arch. belges Serv. san. armée, 1940, 93: 9–13.—**Dupuy de Frenelle.** Traitement des blessures ostéo-articulaires d'après les enseignements de la dernière guerre. Concours méd., 1940, 62: 9.—**Farrow, R. C.** Summary of results of bone-grafting for war injuries. J. Bone Surg., 1948, 30A: 31–9.—**Fett, H. C., & Smith, J. M.** Report on primary bone grafts. U. S. Nav. M. Bull., 1947, 47: 579–85.—**Freifeld, J. A.** Metod razrabotki kontraktur kolennogo sustava. In: Sborn. nauch. rabot evakohcsp. (Pravdin, A. N.) Moskva, 1942, 143.—**Hőnig, V.** Háborús sérülés következtében létrejött defektpseudarthrosis új mûtéti megoldása. Honvédorvos, 1950, 2: 215–9.—**King, B. B.** Experiences with bone grafting procedures for the treatment of battle casualties and war injuries. Am. J. Surg., 1947, 74: 129–35.—**Kirk, N. T.** Basic principles of bone transplantation for nonunion following compound fracture. Bull. U. S. Army M. Dep., 1944, No. 75, 39–46. ——— & **Moore, L. R.** Military surgery. In: Surg. Tr. Motor-skelet. Syst. (Bancroft, F. W.) Phila., 1945, 1213–54, illust.—**Kleinschmidt, O.** Die Knochenvorpflanzung an den Extremitäten und im Gesicht bei gleichzeitigen Weichteil- und Knochenverlusten. Bull. War M., Lond., 1942–43, 3: 614 (Abstr.)—**Maatz, R.** Osteosynthesis by means of spring power. U. S. Nav. M. Bull., 1949, 49: 234–43.—**Meyer, A.** Zur ersten Versorgung und Behandlung der Knochen- und Gelenkverletzungen beim Feldheer. Med. Welt, 1940, 14: 757–9.—**Nagayama, T.** Kossetu no syuzyutu-teki ryōhō ni kan-suru kiso-teki kenkyū; kossetu setugō-yō kinzoku kizai ni kan-suru seibutugaku-teki kenkyū; yōketu-gensyō ni oyobosu eikyō ni tuite [Biological studies on metallic bone-setting materials; their effect on hemolysis] Kaigun gun-ikai zassi, 1937, 26: 509–23.—**Oltramare, J. H.** Séquelles des lésions ostéo-articulaires. In his Chir. guerre, Lausanne, 1944, 120–33.—**Ord, A. G., Shackman, R., & Roualle, H. L. M.** Traumatic surgery; a review of some bone and joint injuries in wartime. Surgery, 1943, 14: 651–60.—**Raizman, S. S.** Kraniometričeskij sposob lećenija psevdartrozov. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 148–64.—**Wickstrom, O. W.** Plastic repair of surface defects in preparation for bone grafting. U. S. Nav. M. Bull., 1949, 49: 736–43.

—— Burns.

See **Burns,** Surgery.

—— cardiovascular.

See also other subheadings; also **Injury**—by organs and regions: Blood vessels; **Varicose veins.**

La Rosée, M. E. v. *Die primäre Versorgung der Kriegsschussverletzungen der grossen Gefässe. 23p. 21cm. Münch., 1939.

Thomas, J. W. A new instrument for retracting the walls of blood vessels to facilitate insertion of artificial tubes. 3p. 26½cm. Bethesda, 1948. Forms Rep. No. 1, Res. Proj. NM 007 025, U. S. Nav. M. Res. Inst.

Boldin, A. M. Pozdnie krovotečenija i travmatičeskie anevrizmy. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 112–25. ——— Sluchaj arterio-venoznoj anevrizmy podključićnykh sosudov, operirovannoj po sposobu Matasa. Ibid., 126–30.—**Bolot, F. P. L. C.** Etat actuel du traitement des plaies vasculaires et de leurs séquelles. Rev. Corps san. mil., Par., 1947, 3: 573–91.—**Botreau-Roussel.** Résultats éloignées d'une résection de l'artère poplitée à sa partie supérieure pour anévrysme traumatique avec résection concommitante de la veine poplitée saine. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 95.—**Bruce, J.** Exposure of the main vessels of the limbs. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 280–309.—**Chabrillat, A. F** Ectasie de la veine fémoral simulant une hernie crurale; résection veineuse. Rev. méd. nav., Par., 1948, 3: 79.—**Clark, R.** Forward surgery of injuries to major blood vessels. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 107–11.—**Edam, K.** Gefässunterbindung durch den Truppenarzt. Med. Zschr., 1944–45, 1: 122.—**Erasmus, J. F. P.** The problem of wound excision in the treatment of vascular injuries. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 112–5.—**Geselevich, A. M.** [The treatment of gunshot wounds of the vessels in the regimental and army zones] Voen. san. delo, 1943, No. 10, 11–9.—**Goodman, C.** Blood vessel suture, its use instead of the ligature in war surgery. Am. J. Surg., 1943, 60: 196–203. ——— Suture repair of war injuries to the blood vessels. J. Internat. Coll. Surgeons, 1943, 6: 127–32.—**Graham, W. H.** Surgical management of vascular injuries in combat. Mississippi Valley M. J., 1947, 69: 59–64.—**Haberer, H. v.** Ueber Gefässchirurgie im Kriege. Münch. med. Wschr., 1940, 87: 849–51. Also in Kriegschir. Ratgeber, Berl., 1941, 76–82.—**Kelly, R.** Some experiences of vascular surgery during and after the last war. Tr. M. Soc. London, 1940–43, 63: 169–77.—**Khenkin, V., & Shnaper, L.** Krovenosnye sosudy. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 105–23.—**Klages, F.** Feldchirurgische Beobachtungen zur Pathologie der Gefässe. Beitr. klin. Chir., 1943, 174: 443–53.—**Kucharski, T.** O leczeniu operacyjnem dusznicy bolesnej. Lek. wojsk., 1927, 9: 338–41, illust.—**Kure, K.** Parasimpático espinal y circulación. Rev. méd. mil., Méx., 1938, 1: 82–102.—**Lacroix, P.** Traitement des plaies vasculaires dans les formations sanitaires de l'avant. Concours méd., 1940, 62: 117.—**McNealy, R. W.** Blood vessel surgery in war. J. Internat. Coll. Surgeons, 1942, 5: 363.—**Matheson, N. M., & Murray, G.** Recent advances and experimental work in conservative vascular surgery. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 324–7. Also 2. ed., Balt., 1942, 1: 237–40. ——— The use of heparin in vascular surgery. Ibid., 237. ——— A suggested method of preventing acute failure of the circulation after injury to large blood vessels. Ibid., 239.—**New** (A) instrument for retracting the walls of blood vessels to facilitate insertion of artificial tubes. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 10.—**Oltramare, J. H.** Lésions vasculaires. In his Chir. guerre, Lausanne, 1944, 143–53. ——— Voies d'accès sur les principaux vaisseaux. Ibid., 169–88. ——— Lésions cardio-vasculaires. Ibid., 358–69.—**Patterson, J. K.** Femoral vein ligation for thrombophlebitis with pulmonary embolism. U. S. Nav. M. Bull., 1943, 41: 512–6.—**Pratt, G. H.** The importance of a knowledge of vascular surgery in World War II. Am. J. Surg., 1942, 56: 335. ——— The treatment of traumatic and war wounds of the vascular system. Ibid., 57: 26–8.—**Rogers, L.** Two important naval contributions to the practice of vascular surgery. J. R. Nav. M. Serv., 1949, 35: 152–4.—**Squirru, C.** Estudio crítico de las técnicas de Fiolle y Delmas para el descubrimiento de los grandes paquetes vásculonerviosos. Rev. san. mil., B. Air., 1941, 40: 877–89.—**Stich.** Behandlung der frischen Gefässverletzung einschliesslich des pulsierenden Hämatoms. Veröff. Marine San., 1942, H. 34, 8–10.—**Swart, G.** Herz- und Gefässnaht im Felde. Chirurg, 1941, 13: 718.—**Takáts, G.** Vascular surgery in the war. War Med., Chic., 1943, 3: 291–6.—**Walther, P.** Traitement des anévrysmes artério-veineux; indications et technique opératoire. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 85.—**Wenzl, H.** Hat der Weltkrieg eindeutig für die Notwendigkeit der Gefässnaht entschieden? Wien. med. Wschr., 1940, 90: 932; 948.

—— Cautery.

Bier, A. Behandlung von Phlegmonen und Abszessen mit dem Glüheisen. In: Kriegschir. Ratgeber, Berl., 1941, 180–3.

—— Digestive tract.

See subheading (gastrointestinal)

—— Disinfection.

See also subheading (Antisepsis) also **Disinfection.**

Koehler, H. Desinfektion des Operationsfeldes mit Thymolalkohol. Deut. mil. ärztl. Zschr., 1913, **42:** 619.—**Silhol, J.** Les bénéfices de guerre de la chirurgie civile: la désinfection des cavités. Presse méd., 1918, **26:** 604.

—— Drainage [incl. tampon]

Korganova-Muller, F. S. [Drainage and tampon] Feldsher, Moskva, 1938, No. 2, 12–6.—**Loeb, W. A., & Klugman, J.** Sulfathiazole gauze drain, its preparation and use. Med. Bull. Veterans Admin., 1942–43, **19:** 316.—**Pervés, J.** Le drainage par écarteur élastique. Rev. méd. nav., Par., 1946, **1:** 419, pl.—**Strache, F.** Beschreibung einer einfachen Spülapparatur für drainierte septische Hohlräume. Deut. Militärarzt, 1943, **8:** 241.—**Trueta, J.** Drainage. In his Principl. & Pract. War Surg., S. Louis, 1943, 228–35, illust.

—— Ear.

See also **Otology; Otorhinolaryngology.**

Dellepiane Rawson, R. Reparación plástica del pabellón auricular. Rev. san. mil., B. Air., 1942, **41:** 147–50.—**Efrussi, M. M., & Gassko, R. E.** Uśnoe protezirovanie kontužennykh. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 18–21.—**Filippov, M. M.** [Report on surgery of the ear in the Moscow Communistic Army Hospital] Vest. otorinolar., 1937, No. 5, 557–64.—**Greeley, P. W.** Reconstructive otoplasty. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 344–9. ——— Reconstruction of the external ear; conservation of avulsed portion. U. S. Nav. M. Bull., 1944, **42:** 1323–5.—**Hardin, C. A.** Restorative repair of lobule of ear. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 5, 43–5.—**Hünermann.** Zur Chirurgie der Ohr- und Stirnstreifschüsse. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 90–5.—**Malecki, J.** O postępach otochirurgii. Lek. wojsk., 1949, **25:** 310–7.—**Salvadori.** Sulla valutazione medico-legale militare degli esiti di antro-atticotomia. Gior. med. mil., 1942, **90:** 835–40.—**Temkin, J. S.** Lećenie rasstrojstv slukha i reći u kontužennykh. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 10–4.—**Voiachek, V. I.** [A new variation of the radical operation on the ear in war traumata and in spontaneous otitis] Voen. san. delo, 1943, No. 10, 19–24.

—— Early rising.

Cameron, J. E. Ambulation and support. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 80–2.—**Lindvall, S.** Tidig uppstigning. Tskr. mil. hälsov., 1949, **74:** 27–33.—**Rjabinin, V.** Vlijanie rannego vstavanija na tećenie poslеoperacionnogo perioda. Voen. san. delo, 1935, No. 9, 16–9.—**Shacky, A. V.** O rannem vstavanii operirovannykh bolnykh i znaćenii ego dlja voenno-sanitarnoj služby. Tr. Acad. mil. méd. Kiroff, 1934, **1:** 159–67.

—— Electrosurgery.

Becker, F. A practical suggestion to facilitate electrodesiccation. U. S. Nav. M. Bull., 1942, **40:** 724.—**Motnenko, A. N.** [On electrosurgery] Tr. Kuban. gosud. med. inst. Armii, 1939, No. 7, 136–40.

—— Extremities.

See also other subheadings.

Ali. On ve arka ayaklarda kat'ıveter ameliyesi ve ikisi arasında mukayese [Tenotomie dans les membres postérieurs et antérieurs et leur comparaisons] Askerî tibbi baytari mecmuası, 1929, **7:** 177–80.—**Bauer, K. H.** Ueber allgemeine Kriegschirurgie der Gliedmassen. Münch. med. Wschr., 1942, **89:** 771–6. Also Wien. klin. Wschr., 1943, **56:** 257 (Abstr.)—**Brown, M. H.** Surgical treatment of the posttraumatic painful extremity. U. S. Nav. M. Bull., 1945, **44:** 942–6.—**Converse, J. M.** Early skin grafting in war wounds of the extremities. Ann. Surg., 1942, **115:** 321–35.—**Emergency** surgery of the extremities. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 189, 1.—**Imperati, L.** Chirurgia degli arti. Gior. med. mil., 1948, **95:** 469; passim.—**Krömer, K.** Kriegschirurgische Erfahrungen bei Extremitätenverletzungen. Wien. klin. Wschr., 1943, **56:** 613–8.—**Lance, M.** Les positions de fonction dans l'appareillage des membres en chirurgie de guerre. Gaz. hôp., 1940, **113:** 113–22.—**McMurray, T. P.** Surgery of deformities resulting from war injuries of the extremities. Postgrad. M. J., Lond., 1940, **16:** 168–73.—**Trueta, J.** War surgery of the extremities in the light of recent experience. Lancet, Lond., 1944, **1:** 651–3.—**Wooler, G. H.** The initial surgery of limb injuries. J. R. Army M. Corps, 1947, **88:** 205–26.

—— Extremities: Lower extremity.

Brown, I. W., jr. A convenient flexion-extension leg support for nerve surgery of the lower extremity. Mil. Surgeon, 1946, **99:** 32.—**Favre & Chippaux-Mathis.** Résection diaphysaire du fémur après blessure de guerre. Mém. Acad. chir., Par., 1947, **73:** 259–61.—**Gafencu, A.** Pseudartroză a tibiei vindecată prin procedeul Albee. Rev. san. mil., Bucur., 1937, **36:** 232–5.—**McMurray, T. P., & Lloyd, E. I.** Methods of applying extension to the limbs. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2:** 617–22.—**Nyström, G.** [Fixation apparatus for injuries of the lower extremities, especially for use during war] Nord. med., 1940, **8:** 1940–2.—**Pick, J. F.** Dermoplasty of war wounds of the lower leg. Am. J. Surg., 1945, **69:** 25–38. Also J. Internat. Coll. Surgeons, 1947, **10:** 28–41.—**Picot & Cosnier.** Ostéolyse de la tête du fémur; ostéotomie pertrochantérienne avec fixation externe temporaire des fragments; procédé du Dr Ch. Lasserre. Bull. Soc. méd. mil. fr., 1938, **32:** 440–4.—**Silrep, A.** A method of continuous extension of the lower limb. J. R. Nav. M. Serv., 1943, **29:** 140.—**Talbot & Sarlin.** Reconstitution par greffe massive de 25 centimètres d'une énorme perte de substance du tibia. Bull. Soc. méd. mil. fr., 1949, **43:** 33.—**Troncoso Rozas, J.** Influencia de las intervenciones sobre el sistema simpático en las lesiones de guerra de las extremidades inferiores. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 322–32. Also Rev. españ. med. cir. guerra, 1940, **5:** 129–41.—**Wickstrom, O. W.** Plastic repair of surface defects of the lower extremity. U. S. Nav. M. Bull., 1948, **48:** 823–30.

—— Extremities: Upper extremity.

See also subheading (Shoulder)

Brown, M. H. Chemical sympathectomy in neurovascular lesions of the upper extremity. U. S. Nav. M. Bull., 1946, **46:** 343–7.—**Care** of the immobilized arm. Bull. Army M. Dep., Lond., 1945, No. 43, 5.—**Gamov, V. S.** A könyökízületi sérülések miatt végzett rezekciók megítélése. Honvédorvos, 1950, **2:** 300 (Abstr.)—**Kliszowski.** Voies d'abord latérales longitudinales du coude. Bull. Soc. méd. mil. fr., 1948, **42:** 121.—**Merle d'Aubigné, R., & Lance, P.** Traitement des pertes de substance osseuse du membre supérieur chez les blessés de guerre. Mém. Acad. chir., Par., 1946, **72:** 85–90.—**Pels Leusden, F.** Zur temporären Resektion der Clavicula. Deut. Militärarzt, 1941, **6:** 204.—**Quigley, T. B.** A simple method of applying the thoracobrachial plaster spica. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 14–8, illust.—**Steindler, A.** Reconstructive surgery following traumatic deformities of the upper extremity. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 268–79.—**Swart, H. A.** Arthroplasty of the elbow. Bull. U. S. Army M. Dep., 1946, **5:** 401–3.—**Zakharźevsky, V. P.** K funkcionalnomu lećeniju kontraktur kisti i palcev. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 140–3.

—— Eye.

See **Ophthalmology, surgical.**

—— Face.

See also subheading (maxillo-facial)

Aronson, V. A. Khirurgićeskoe lećenie ognestrelnykh defektov tverdogo nëba i perforacii alveoljarnogo otrostka. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 202–8.—**Axhausen, G.** Ueber Lippen- und Wangenplastik in der Kriegschirurgie. Atti Congr. europ. chir. plast. guerra (1942) 1943, 27–48.—**Berdygan, K. I.** [Immediate results of early correction of deformations in gunshot wounds of the face] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 260–4.—**Bernard.** Sur une blessure de guerre de la face et son traitement. Rev. stomat., Par., 1949, **50:** 363.—**Blair, V. P.** Relation of the early care to the final outcome of major face wounds in war surgery. Mil. Surgeon, 1943, **92:** 12–7. Also In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 193–9. Also Cincinnati J. M., 1943–44, **24:** 121–7. ——— Treatment of battle casualties and street or industrial wounds of the face. Surgery, 1944, **15:** 16–21.—**Brown, J. B.** Treatment of war injuries to the face. Bull. Am. Coll. Surgeons, 1942, **27:** 132–4.—**Cashman, C. J.** Tratamiento precoz de las heridas de guerra de la cara. Rev. san. mil., B. Air., 1943, **42:** 291–8.—**Chiarolanza, R.** Plastiche facciali; contributi clinici. Atti Congr. europ. chir. plast. guerra (1942) 1943, 49–56.—**Converse, J. M.** Some aspects of emergency plastic surgery in war injuries of the face. Ann. Otol. Rhinol., 1943, **52:** 637–54.—**Crites, A. B.** Plastic surgery of the face in war burns. J. Am. Osteopath. Ass., 1942–43, **42:** 149–54.—**Dorigo, A.** Trattamento conservativo delle ferite della faccia nelle formazioni chirurgiche avanzate in previsione di un trattamento di chirurgia riparatrice. Atti Congr. europ. chir. plast. guerra (1942) 1943, 363–7.—**Enteles, V. A.** Licevye protezy iz plastmassy. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 188–92.—**Evstifeev, P. F.** Pervićnaja plastika nekotorykh travmatićeskikh povreždenij lica. Ibid., 78–82.—**Ferreyra dos Santos.** Cirurgia facial de guerra. Arq. brasil. cir., 1943, **11:** 24–35.—**Frankenberg, B. E.** O srokakh i principakh pervićnoj obrabotki ognestrelnykh ranenij lica. Vrach. delo, 1946, **26:** 465–70.—**Ginestet.** Reconstitution de l'étage inférieur de la face. Bull. Soc. méd. mil. fr., 1946, **40:** 72. ——— **& Frézières, H.** Autoplasties de la face par la méthode hongroise chez les blessés de la guerre. Bull. Soc. chir. Paris, 1944, **34:** 3–5.—**Henschen, C.** Ratschläge zur Kriegschirurgie der Gesichtsverletzungen. Schweiz. med. Wschr., 1940, **70:** 711–5.—**Ivy, R. H., & Eby, J. D.** Plastic

operations on soft tissues of face. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 469–503.—**Johnson, L. W.** Early treatment of facial injuries. U. S. Nav. M. Bull., 1926, **24**: 508–15.—**Kecht, B.** Zur Unterbindung der Vena angularis bei Gesichtsfurunkeln. Deut. Militärarzt, 1943, **8**: 711–4.—**Kilner, T. P.** The treatment of facial war injuries. Brit. Dent. J., 1941, **70**: 130–5. Also Med. Press & Circ., Lond., 1941, **205**: 26–9.—**Lawrie, R.** Primary closure of battle wounds of the face. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 28.—**Limberg, A. A.** Pokazanija k primeneniju različnykh metodov koźnoj plastiki posle ognestrelnykh ranenij i drugikh boevykh povreźdenij lica. Raboty Leningr. vrach. za god Otechest. voiny, 1942, **2**: 52–63.—**Lindemann, D. A.** Die Wehrchirurgie des Gesichtsschädels; Nachbehandlung und Nachoperation. Ber. Deut. Ges. Zahn &c. Heilk. (1935) 1936, **72**: pt 2, 147–72. ——— Die chirurgisch-plastische Schliessung grösserer Gesichtsdefekte. Atti Congr. europ. chir. plast. guerra (1942) 1943, 61–74.—**Lukomsky, I. G.** [The treatment of the soft tissues of the face according to the experience of hospitals of the interior] Stomatologia, Moskva, 1944, No. 3, 33–41.—**McDowell, F., & Brown, J. B.** A review of reconstructive surgery of the face. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 253–74.—**Majocchi, A.** Gesichtsverstümmelte. In his Nachtwachen, Frauenfeld, 1946, 94–107.—**Maliniac, J. W.** Free skin grafts versus flaps in surface defects of face and neck. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 275–87.—**Manna, A.** Sulla riparazione plastica di estese perdite di sostanza a tutto spessore della guancia. Atti Congr. europ. chir. plast. guerra (1942) 1943, 75–7.—**Michelson, N. M.** [Control of the cicatrix in surgery of gunshot wounds of the face] Stomatologia, Moskva, 1941, No. 4, 7–12.—**Myers, S. A.** Early care of facial wounds. U. S. Nav. M. Bull., 1944, **42**: 1019.—**Oldfield, M. C.** Early treatment of war wounds of the upper part of the face. Brit. M. J., 1943, **2**: 163–5. Also Spanish transl., Rev. san. mil., B. Air., 1944, **43**: 11–7.—**Oltramare, J. H.** Chirurgie réparatrice de la face et du cou. In his Chir. guerre, Lausanne, 1944, 280–7.—**Passe, E. R. G.** Notes on the immediate treatment of wounds of the face preparatory to plastic repair. J. R. Nav. M. Serv., 1940, **26**: 273–5.—**Pelliciari, D.** Use of cartilage transplants in the reconstruction of the facial architecture. Mil. Surgeon, 1942, **91**: 324–8.—**Picardi, G.** Chirurgia riparatrice e plastica della bocca in traumatologia di guerra. Atti Congr. europ. chir. plast. guerra (1942) 1943, 79–84. ——— Chirurgia plastica della faccia in traumatologia di guerra. Ibid., 85–9.—**Pichler, H.** Deckung grösserer Gesichtsdefekte mit Lappen aus Schulter und Rücken. Ibid., 91–9.—**Ragnell, A.** Behandling av ansiktsskador och defektskador i krig. Tskr. mil. hälsov., 1944, **68**: Suppl., 38–58.—**Rapin, M.** Alcuni casi di chirurgia plastica della faccia. Atti Congr. europ. chir. plast. guerra (1942) 1943, 409–13.—**Rebêlo Neto, J.** A cirurgia plástica em tempo de guerra; como manejá-la, nos ferimentos da face, pesoço e cabeça? Rev. brasil. otorinolar., 1944, **12**: 48.—**Rivas, C. I.** Tratamiento de los traumatismos de guerra de la región facial. Bol. Inst. clín. quir., B. Air., 1945, **21**: 90–5.—**Sanvenero Rosselli, G.** Mutilati del viso e chirurgia plastica in tempo di guerra. Boll. Soc. piemont. chir., 1940, **10**: 683–7. Also Valsalva, 1941, **17**: 137–40. ——— Chirurgia plastica del viso di pace e di guerra. Minerva med., Tor., 1942, **33**: pt 2, 56.—**Shatunovskaja, E. G.** Slepye ranenija lica. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 249–55.—**Smith, F.** Some refreshments in reconstructive surgery of the face. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 177–92.—**Vander Velde, K. M.** Surgical technique for facial lacerations. U. S. Nav. M. Bull., 1946, **46**: 1451.—**Velikanova, M. M.** Operativnoe lećenie ognestrelnykh povreźdenij mjagkikh tkanej lica. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 238–45.—**Williams, P. E.** The care and treatment of facial injuries from a military aspect. Mil. Surgeon, 1942, **91**: 650–9.

—— Field technic.

See also **Surgical organization, field; Surgical service, field; Surgical unit.**

Läwen, A. Zur Kriegschirurgie in den vorderen Sanitätseinheiten. 98p. 23½cm. Berl., 1943.

Blackburn, G. Surgical problems in forward areas. Brit. M. J., 1944, **1**: 556.—**Blech, G. M.** Surgical technique in modern battle. Mil. Surgeon, 1941, **88**: 387–94.—**Branovački, E. M.** [Treatment of urgent surgical cases on the field of action] Voj. san. glasnik, 1933, **4**: 126–41.—**Demmler, A.** Des interventions primitives en chirurgie d'armée. Progr. méd., Par., 1918, 3. ser., **33**: 158.—**Ferraton.** Fonctionnement technique du service chirurgical en campagne. Bull. Soc. méd. mil. fr., 1921, **15**: 64–9.—**Fölsch, W.** Allgemeine chirurgische Technik im Felde. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 49–88. Also 6. Aufl., Dresd., 1943, 52–92.—**Fraser, I.** Forward surgery. Ulster M. J., 1944, **13**: 150–5.—**Giddings, W. P.** Forward surgery viewed from the base. Med. Bull. North Afr. Theater U. S., 1944, **2**: 75–7.—**Guiso, L.** Sul trattamento locale nel pronto soccorso degli ustionati in combattimento navale. Ann. med. nav., Roma, 1940, **46**: 151–4.—**Harrison, G. K.** Forward surgery in a battle period. Lancet, Lond., 1944, **1**: 109–11.—**Hoche, O.** Dringliche Operationen, die bei der ersten Wundversorgung erforderlich sein können. Med. Klin., Berl., 1940, **36**: 68.—**Hosemann.** Das Operieren im Felde. Münch. med. Wschr., 1915, **62**: 451.—**Law, W. A.** Surgery in the forward area. Lancet, Lond., 1944, **1**: 425–9.—**Lundie, A.** An operation performed under difficulties. Brit. M. J., 1921, **1**: 622.—**Perman, E.** Some views on the work of a surgeon at the front. Acta chir. scand., 1940, **84**: 263.—**Results** of forward surgery. Bull. Army M. Dep., Lond., 1944, No. 42, 1.—**Revel.** L'action chirurgical à l'extrême avant. Bull. Soc. chir. Paris, 1916, **42**: 1097–100.—**Stasiūnas, J.** [Rationalization of surgical work during battles] Medicina, Kaunas, 1936, **17**: 210–6.—**Surgical** lessons of heavy fighting. Lancet, Lond., 1940, **1**: 1052.—**Trend** (The) of forward surgery in Italy. Gen. M. Interest Lett., Ottawa, 1944, No. 7, 1–3.—**Trueta, J.** Surgical lessons of heavy fighting. Lancet, Lond., 1940, **2**: 21.

—— Foot.

See also other subheadings (Amputation; Bones and joints; Extremities)

Fourcade, M. *La résection typique du tarse antérieur (désarticulation temporaire de Delbet-Hallopeau) en chirurgie de guerre [Lyon] 58p. 23cm. Toulouse, 1944.

Chappoux. Arthrodèse de l'ambrinudi. Bull. Soc. méd. mil. fr., 1948, **42**: 29.—**Jovanović, B. J.** [Excision of the talus in adults] Voj. san. glasnik, 1938, **9**: 235–60.—**Snedecor, S. T.** Reconstructive surgery in patients with war fractures of the ankle and foot. J. Bone Surg., 1946, **28**: 332–42.—**Wallet, A.** Trattamento con artroplastiche multiple delle contratture delle dita del piede, conseguenza di lesioni nervose dell'arto inferiore per ferita di guerra. Atti Congr. europ. chir. plast. guerra (1942) 1943, 401–8.—**White, J. W.** Surgery of the foot. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 217–20.

—— Foreign body.

See also **Foreign body,** Extraction.

Vascoboinic, H., & Fiamboli, P. Consideraţiuni asupra corpilor străini metalici al tubului digestiv.—Rev. san. mil., Bucur., 1937, **36**: 171–7. illust.—**Zink, E. F.** Corpos estranhos. In: Man. socor. guerra, S. Paulo, 1943, 121–5, pl.

—— Fracture.

See also other subheadings; also **Fracture,** Treatment; **Traumatology.**

Bogoraz, N. A. [Restorative operations in gunshot wounds of the large bones of the extremities and of the large joints] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 78–89.—**Cahen, I.** Experience in the reparative surgery of 500 consecutive compound fractures. Med. Bull. Medit. Theater U. S., 1945, **3**: 241–4.—**Catalano, V.** Trattamento chirurgico delle fratture di femore da ferite d'arma da fuoco viziatamente consolidate. Gior. med. mil., 1942, **90**: 278–89.—**Hoche, O.** Zur neuzeitlichen Anzeigestellung der operativen Behandlung von Knochenbrüchen. Bull. War M., Lond., 1942–43, **3**: 18 (Abstr.)—**Hundemer, W.** Zur Erhaltung der Gliedmassen bei bedrohlichen Schussbrüchen durch die äussere Knochenschienung nach Lambotte. Deut. Militärarzt, 1943, **8**: 590–7.—**Kaneko, S., & Wakida, Y.** Iontophorese ni yoru kossetu no tiryō; dōbutu zikken [Treatment of bone fracture by means of iontophoresis; animal experiments] Gun idan zassi, 1929, 689–718, illust.—**Leriche.** Surgical treatment in diaphyseal fractures. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 833–6.—**Lichtenstein, M. E.** Initial surgery of compound fractures and concurrent muscle, nerve and blood vessel injuries in an evacuation hospital. Rev. brasil. cir., 1945, **14**: 647–62.—**Oltramare, J. H.** Traitement opératoire des fractures diaphysaires. In his Chir. guerre Lausanne, 1944, 91–106. ——— Traitement opératoire des fractures articulaires. Ibid., 107–19.—**Orr, H. W.** Treatment of compound fractures with special reference to military surgical procedures. Arch. Surg., 1940, **40**: 825–37.—**Schöne, G.** Vorbeugende operative Wundbehandlung an der Front; Frakturbehandlung. Med. Klin., Berl., 1940, **36**: 588–90.—**Schumm, H. C.** Trochanteric osteotomy: indications and technique. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 152–7.—**Snedecor, S. T., & Coffey, F. L.** Bone grafts in non-union of war fractures. Am. J. Surg., 1946, **71**: 577–86.

—— Gas injury.

See **Gas poisoning,** Surgery.

—— gastrointestinal.

See also **Peptic ulcer,** Surgery; **Rectum.** Also **Injury**—by organs and regions: Digestive tract; also other subheadings (Abdominal surgery Intestines; Stomach)

Pulaski, E. J., & Connell, J. F., jr. Control of peritoneal infection in gastrointestinal surgery. Bull. U. S. Army M. Dep.,

1949, 9: 265–70.—**Thomas, J. R.** Gastrocolic and gastrojejunocolic fistulae with report of five cases. Mil. Surgeon, 1940, 87: 232–43.

—— Grafting.

See also **Plastic surgery**; also other subheadings of **Surgical technic.**

Berkow, S. G. Tape method of skin-grafting. U. S. Nav. M. Bull., 1945, 45: 1–13.—**Blechman, H.** Large quantity preparation of plasma and leukocytic suspensions for the coagulum-contact method of skin grafting. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 22.—**Bricker, E. M.** Skin grafting of wounds. Ibid., 1943, No. 13, 12.—**Climo, S.** Plasma, a nutrient dusting powder; used to nullify the rubber cement used in connection with the Padgett dermatome. U. S. Nav. M. Bull., 1946, 46: 1291–6.—**Failure** of whole fresh homografts in man. Bull. U. S. Army M. Dep., 1944, No. 83, 9.—**Filatov, V. P.** [Technical hypothesis of tissue transplantation therapy] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 46–52. ——— [Tissue transplantation in treatment of surgical and other affections] Ibid., 53–60.—**Greeley, P. W.** Factors influencing the choice of skin grafts. U. S. Nav. M. Bull., 1944, 42: 659–63.—**Harbison, S. P., & Oden, L. H.,** jr. Split skin grafts in the early closure of wounds. Bull. U. S. Army M. Dep., 1946, 6: 88–90.—**Kostrubala, J. G.** Skin grafting. Mil. Surgeon, 1945, 97: 203–8.—**Lagrot.** Conception et technique nouvelles de la greffe dermo-épidermique. Bull. Soc. méd. mil. fr., 1947, 41: 223–6.—**Lamont, H. A.** Early skin-grafting of war wounds. U. S. Nav. M. Bull., 1944, 42: 654–8.—**Limberg, A. A.** [A new apparatus for automatic pressure regulation in the bandage after free skin transplantation] Voen. san. delo, 1942, No. 8, 29–33.—**McIndoe, A. H.** Skin grafting in wounds involving skin loss. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 155–65.—**Medawar, P. B.** Notes on the problem of skin homografts. Bull. War M., Lond., 1943–44, 4: 1–4.—**Pendergrass.** Prevention of growth of hair in skin grafts. Res. Program U. S. Army M. Res. Bd, 1946, July, 36; 1947, Apr., 21; passim.—**Prudente, A.** Transplante livre de músculo e sua aplicação em cirurgia de guerra. An. paul. med. cir., 1944, 47: 333. Also Rev. brasil. otorinolar., 1944, 12: 46–8.—**Rowe, F. A.** Skin grafts. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 3, 45–50.—**Rubin, L. R.** Simplification of split skin grafts; gum acacia technique. Med. Bull. North Afr. Theater U. S., 1944, 1: 14, pl.—**Sánchez Galindo, J.** La penicilina en los injertos libres de piel. Med. & cir. guerra, 1948, 10: 347–50.—**Sarlin & Leculée.** Réflexions sur 2,300 centimètres carrés de greffe de peau libre. Bull. Soc. méd. mil. fr., 1949, 43: 102.—**Skin** grafting by the coagulum-contact method. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 19, 23–6.—**Trueta, J.** Skin graft in war surgery. In his Principl. & Pract. War Surg., S. Louis, 1943, 290–303, illust.—**Zielke.** Verbesserte Hautübertragung nach Thiersch. Deut. Militärarzt, 1944, 9: 51.

—— Gunshot injury.

See also **Injury,** by weapons: gunshot.

Blair Ferreira. Tratamento das feridas das partes moles produzidas por projéteis de arma de guerra. Rev. méd. Minas, 1943, 11: No. 115, 7–29.—**Braun, H.** Vereinfachung der Steckgeschoss- und Granatsplitteroperation. Deut. Militärarzt, 1943, 8: 271–3.—**Gorodysky, F. I.** Opyt lećenija ognestrelnykh ran mjagkikh tkanej v hospitaljakh tyla. Voen. med. J., Moskva, 1945, No. 10, 15–7.—**Kat, S., & Vlasov, G.** [Treatment of gunshot wounds in the mobile field hospital] Med. rabot., 1944, 7: No. 7, 2.—**Madlener, J. M.** Zur Versorgung der Zweihöhlenschüsse bei gleichzeitiger Brust- und Bauchverletzung. Deut. Militärarzt, 1943, 8: 344.—**Pliskin, R. R.** Recent advances made in the surgical treatment of war casualties from projectiles, etc. Bol. As. méd. Puerto Rico, 1942, 34: 3–9.—**Seedorf, J.** [Shot gun injuries] Militaerlaegen, 1939, 45: 127–39.

—— Hand.

See also other subheadings (Bones and joints; Extremities)

Beach, W. V. Notes on the urgent surgery of the hand. J. R. Nav. M. Serv., 1941, 27: 258–67.—**Cannon, B., & Graham, W. C.** Plastic and reconstructive surgery of the hand. Mil. Surgeon, 1945, 97: 137–9.—**Cohen, V.** Correção de mão varus post-diafisectomia radial. Rev. méd. aeronáut., Rio, 1949, 1: 71–5.—**Costa, V.** Enxêrto de polpa digital. Arq. brasil. med. nav., 1949, 10: 1695–8.—**Duncan, W. R.** Report on early definitive hand surgery. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 14.—**Dzhanelidze, J. J.** [One-stage restoration of three flexor tendons of the hand by Sterling-Bunnell's method] In: Sborn. trud. posv. G. I. Turner (Leningrad. Voen. med. akad. Kirov) Leningr., 1938, 19–28.—**Gonella, R. A., & Olarte, J. A.** Contribución al tratamiento de las quemaduras de la mano con un guante de material plástico Rev. pub. nav., B. Air., 1949, 2: 117–23.—**Hardin, C. A.** Arthroplastic reconstruction of metacarpophalangeal joint, left thumb. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 2, 20–4.—**Kosmatii, A. R.** Transplantation of a toe to replace a thumb, following Nikoladoni's method. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 411–5.—**Liebolt, F. L.** Reconstruction surgery of the hand. Mil. Surgeon, 1948, 103: 43–7.—**Parin, B. V.** Radikalnoe ustranenie rubcovykh kontraktur kisti s pomośćju svobodnoj peresadki perforirovannogo loskuta. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 75–86.—**Pearlman, R. C.** The use of tantalum in tendon reconstruction of the hand. U. S. Nav. M. Bull., 1946, 46: 1647–50.—**Sarlin & Leculée.** Valeur comparée des incisions de Desplas et de Kanavel dans l'aponévrectomie palmaire pour maladie de Dupuytren. Bull. Soc. méd. mil. fr., 1949, 43: 81.—**Schneider, J.** Radialismanschette mit Einzelzug für jeden Finger. Deut. Militärarzt, 1943, 8: 390.—**Silvis, R. S.** Immediate transfer of pedunculated flap graft to palm of hand; report of a case. U. S. Nav. M. Bull., 1943, 41: 821–4.—**Tavernier.** Résultats éloigné d'une résection du poignet pour rétraction des fléchisseurs des doigts consécutive à une blessure de guerre. Lyon chir., 1935, 32: 103.—**Usolceva, E. V.** Vosstanovitelnye operacii posle ognestrelnykh povreźdenij kisti. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1950, 18: 217–26.—**Vinokurov, D. A., & Virin, I. J.** [Methods of treatment of gunshot wounds of the fingers and hands in hospitals for the slightly wounded] Voen. san. delo, 1943, No. 4, 6–19.—**Wagner, C. J.** Corrective osteotomy and capsulectomy in treatment of malunion of metacarpal fractures. Mil. Surgeon, 1948, 103: 344–8.—**Wickstrom, O. W., & Patterson, J. B.** Reconstruction of the thumb. U. S. Nav. M. Bull., 1947, 47: 880–4.

—— Head surgery.

See also **Neurosurgery**; also other subheadings.

Bondarćuk, A. V. Obśćie principy etapnogo lećenija ognestrelnykh ranenij ćerepa i golovnogo mozga. In his Osn. voen. polev. neirokhir., Leningr., 1942, 53–8.—**Burdenko, N. N., & Egorov, B. G.** Pokazanija i tekhnika khirurgićeskogo lećenija defektov ćerepa posle ognestrelnogo ranenija golovy. Vest. khir., 1946, 66: No. 5, 107.—**Cloward, R. B.** War injuries to the head; treatment of penetrating wounds. J. Am. M. Ass., 1942, 118: 267–70.—**Giannini, J. T., Weaver, E. N., & Kloos, E.** Repair of acquired forehead defects by tantalum cranioplasty and plastic surgery; report of two cases. U. S. Nav. M. Bull., 1948, 48: 773–8.—**Grant, F. C.** The treatment of head injuries in war. Pennsylvania M. J., 1942–43, 46: 335–8.—**Hill, T. R.** Planning for treatment of head injuries. Brit. M. J., 1943, 1: 457.—**Imperati, L.** Chirurgia del capo e del collo. Gior. med. mil., 1947, 94: 280–92.—[**Instructions** for treatment of sequels of cranial and cerebral gunshot wounds in neurosurgical evacuation hospitals] Sovet. med., 1942, 6: No. 8, 23.—**Kudrin, I. S.** Povreźdenija ćerepnomozgovykh nervov. In: Osn. voen. polev. neirokhir. (Bondarćuk, A. V.) Leningr., 1942, 340–9.—**Mittermaier, R.** Zur Wundversorgung kriegsmässiger Verletzungen des Kopfes und des Halses. Arch. Ohr. &c. Heilk., 1943, 152: 278–88.—**Oltramare, J. H.** Traumatismes cranio-cérébraux. In his Chir. guerre, Lausanne, 1944, 236–50, illust. ——— Traitement des lésions non-pénétrantes du crâne. Ibid., 251–60. ——— Traitement des plaies pénétrantes du crâne par armes à feu. Ibid., 261–71.—**Revjakin, L. P.** Evakuacija, sortirovka i sanitarnyj transport pri ognestrelnykh ranenijakh ćerepa i golovnogo mozga. In: Osn. voen. polev. neirokhir. (Bondarćuk, A. V.) Leningr., 1942, 58–64.

—— Heart.

See also subheading (cardiovascular)

García Penedo, A. La cirugía en los cardiópatas. Med. & cir. guerra, 1949, 11: 459–61.

—— Hemorrhoids.

See under **Hemorrhoid.**

—— Hemostasis.

See also **Hemostasis**; also names of hemostatics as **Pectin,** etc.; also **Shock,** hemorrhagic.

Adler. Die Behandlung der Blutung bei Kriegsverletzungen. Militärsanität, Zür., 1943, 25: 129; passim.—**Araujo, J. O.** Hemorragias, compressão arterial, transfusão. In: Man. socor. guerra, S. Paulo, 1943, 51–64, 5 pl.—**Oltramare, J. H.** Etude physiologique des hémorragies. In his Chir. guerre, Lausanne, 1944, 154–9.—**Orth, O.** Die Bedeutung der Momburg'schen Blutleere für die Kriegschirurgie. Zbl. Chir., 1943, 70: 646 (Abstr.)—**Reimann-Hunziker, G.** Blutsparung, Blutstillung und Blutersatz. Militärsanität, Zür., 1946, 28: 18; 25.

—— Hernia.

See also **Hernia.**

United States. War Department. Technical bulletin MED 227: Surgical treatment of hernia. 1p. 26cm. Wash., 1947.

After-treatment; inguinal hernia. Bull. Army M. Dir., Lond., 1941, 2.—**Bear, N. E.** Cotton suture material in hernial repair. U. S. Nav. M. Bull., 1945, 44: 939–41.—**Chiles, G. G., & Lenhardt, H. F.** Autoplastic sutures in repair of inguinal hernia. Ibid., 1944, 43: 83–9.—**De Brun, H. C. W.** Herniоplasty by means of tantalum mesh. Mil. Surgeon, 1949, 104:

128–31.—**Farberman, V. I.** [Injury of the bladder during radical operation for hernia] Voen. med. J., Moskva, 1930, **1**: No. 5, 38–51.—**Gastañeta, G.** Tratamiento quirúrgico de las hernias inguinales. Rev. san. mil., Lima, 1948–49, **21**: 9–27.—**Henning, B. H.** The repair of inguinal hernia. Mil. Surgeon, 1942, **91**: 675–81.—**Henry, M. G.** Surgical cure of voluminous ventral hernia; case report. U. S. Nav. M. Bull., 1944, **42**: 1395–8.—**Hill, R. C. J.** Some aspects of rehabilitation in a naval training establishment [hernia] J. R. Nav. M. Serv., 1944, **30**: 203–5.—**Honig, C., & Steinhardt, I. D.** Herniorrhaphies in a station hospital. Bull. U. S. Army M. Dep., 1949, **9**: 45–54.—**Methods** (The) of dealing with hernia in the Army. Rev. War Surg. & M., 1918, **1**: No. 4, 27–30.—**Parsonnet, E. V.** Repair of direct hernia. U. S. Nav. M. Bull., 1945, **44**: 507.—**Pernet, A.** Da aponevrose em cirurgia plástica particularmente nas hernio-plastías. Rev. méd. aeronáut., Rio, 1949, **1**: 7–24.—**Postoperative** treatment of hernia cases. Bull. Army M. Dir., Lond., 1942, No. 11, 3–7. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 16–8.—**Satō, Y.** Kōhuku-naru keika wo torisi kanton sokei hernia no iti tiken rei [Remarks on the happy progress in the cure of a case of incarcerated inguinal hernia] Gun idan zassi, 1930, 815–8.—**Shambaugh, P.** Transverse incision for repair of inguinal hernia. U. S. Nav. M. Bull., 1945, **44**: 498–500.—**Speir, E.** Hernia repair. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 12, 7.—**Surgery** and complications of inguinal hernia. Statist. Navy M., 1947, **3**: No. 8, 2–4.—**Taves, O. N.** Cura cirúrgica da hérnia inguinal; técnica do autor. Rev. med. mil., Rio, 1941, **30**: 197–9.—**Timmes, J. J.** Inguinal herniorrhaphy; follow-up report. U. S. Nav. M. Bull., 1945, **45**: 221–4.—**Turai, I.** Technica herniei crurale pe cale inghinală. Rev. san. mil., Bucur., 1937, **36**: 447–9.

—— Hip.

See also other subheadings (Bones and joints; Extremities)

Anquin, C. E. de. La muesca de Mommsen entre las operaciones paliativas de la cadera. Rev. san. mil., B. Air., 1944, **43**: 675–89.—**Chappoux & Marc.** Résection sous-trochantérienne tardive pour blessure de guerre, hanche solide et mobile. Bull. Soc. chir. Paris, 1949, **39**: 36–42.—**Läwen, A.** Ueber die Teilresektion des Hüftgelenkes bei Eiterungen nach Kriegsschussverletzungen. Zbl. Chir., 1942, **69**: 1446–9.—**Smith-Petersen, M. N.** Arthroplasty of the hip; a new method. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 391–410.—**Steele, P. B.** Further report on the operative treatment of Perthes' disease. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 136–43.

—— Hospital technic.

Brenizer, A. Civil surgery as done in an Army hospital. Charlotte M. J., 1919, **80**: 223–7.—**Genz.** Aufgaben und Tätigkeit des Chirurgen auf dem Hauptverbandplatz und im Feldlazarett. Zbl. Chir., 1936, **63**: 2626–34.—**Krasnorogov, B. V.** 100 khirurgičeskikh operacij v uslovijakh vojskovogo lazareta. Voen. san. delo, 1935, 20–2.—**Tkach, P. N.** 300 khirurgičeskikh operacij v uslovijakh vojskovogo lazareta. Ibid., 1936, No. 12, 19–21.

—— Immobilization.

See also other subheading (Fracture) also **Fracture, Treatment: Fixation and immobilization; Splinting.**

Novotelnov, S. A. Иммобилизация переломов в войсковом районе. 35p. 20½cm. Moskva, 1942.

Bosworth, B. M. Splints and casts in the treatment of war injuries. Am. J. Surg., 1946, **72**: 385–92.—**Nechaeva, A. M.** [Loops for extension of the lower extremity and for the fixation af the jaws in fractures] Voen. san. delo, 1941, No. 8, 54.—**Ort, J. F.** Immobilisatie in geval van verwondingen te velde. Med. mbl., Batavia, 1949, **2**: 42–5.—**Shmarievich, N. B.** [L'immobilisation des lésions traumatiques de l'appareil moteur en temps de guerre aux différentes étapes d'évacuation et de traitement] Sovet. med., 1939, No. 23, 22–5.—**Trueta, J.** Immobilization. In his Principl. & Pract. War Surg., S. Louis, 1943, 243–9, illust.—**Weinstein, V.** Immobilizacia (immobilis) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 880–2.

—— incision.

Bican, O. [Prevention of accidents during incisions] Askerî sıhhiye mecmuası, 1936, **65**: 21–7.

—— Indications.

See **Operation (surgical)** Indication.

—— Injury.

See other subheadings; also **Injury, Treatment, surgical; Traumatology.**

—— Intestines.

See also other subheadings (Abdominal surgery; gastrointestinal) also **Colon; Rectum.**

Barry, H. C. Treatment of war injuries of the large intestine. Med. J. Australia, 1943, **2**: 262–4.—**Colcock, B. P.** Postoperative problems following traumatic perforation of the colon (abstract) Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 5, 7.—**Donszkov, S. A.** Lövéses ercdetů bélsársipolyok gyógyításának tapasztalata. Honvédorvos, 1950, **2**: 304 (Abstr.)—**Estcourt, H. G.** The treatment of wounds of the large intestine. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 53–6.—**Galuško, A. J., & Shabanov, M. M.** K voprosu o podvesnoj enterostomii po materialam MSB. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 270–4.—**Gosse, M.** Massive intestinal resection; case report. Mil. Srgeon, 1948, **103**: 283–6.—**Keene, C. H.** Colostomies. Bull. U. S. Army M. Dep., 1945, No. 86, 115–7.—**Loscertales Fontenla, F.** Algo sobre la resección intestinal en los heridos de guerra penetrantes de abdomen. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2**: 229–33.—**McCune, W. S., & Bracher, A. N.** Skin grafted ileostomies. Mil. Surgeon, 1949, **105**: 144–6.—**Machov, N. I.** A külső sphincter működésének helyreállítása a végbél lövési sérüléseinél. Honvédorvos, 1950, 2: 300 (Abstr.)—**Mysh, V. M.** O pokazanijakh k naloženiju protivoestestvennogo zadnego prokhoda (anus iliacus) pri ognestrelnykh ranenijakh prjamoj kiški i o tekhnike ego ustranenija v posledujušćem. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 165–75.—**Nagornij, M. T.** Lövéses eredetů bélsipolyok gyógyítása. Honvédorvos, 1950, 2: 303 (Abstr.)—**Pilcher, L. S.** Wounds of the colon and rectum; a critical analysis of current methods of surgical treatment with emphasis on details of surgical technique. Mil. Surgeon, 1949, **104**: 188–201.—**Porumbaru, E.** Stenoză post-traumatică a intestinului subțire, complicată cu hernia anselor printr'o breșă mezenterică. Rev. san. mil., Bucur., 1937, **36**: 1021–7.—**Poth, E. J.** The promotion of healing following intestinal surgery. Mil. Surgeon, 1949, **104**: 358–61.—**Röpke, W.** Zur Behandlung der Dickdarmschussverletzungen. Münch. med. Wschr., 1944, **91**: 88–90.—**Roettig, L. C., Glasser, B. F., & Barney, C. O.** Definitive surgery of the large intestine following war wounds. Ann. Surg., 1946, **124**: 755–90.—**Stevens, G. A., Sloan, H. P. & Wickham, W. A.** Definitive surgical treatment of wounds of the colon and rectum. U. S. Nav. M. Bull., 1946, **46**: 1069–76.

—— Jaw.

See subheading (maxillo-facial)

—— Joints.

See also other subheadings (Bones and joints; Extremities)

Franz, C. Zur Frage der Gelenkresektionen. Deut. Militärarzt, 1942, **7**: 266–72.—**Gebhardt & Schulze.** Uebungsbehandlung und Gelenkmobilisierung; Richtlinien. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 38–40.—**Kogen, A. L.** Nabljudenija nad primeneniem belogo streptocida pri ognestrelnykh povreždenijakh krupnykh sustavov. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 224–6.—**Lidsky, A. T.** [Joint resection following gunshot wounds, from data of an evacuation hospital of the interior] Khirurgia, Moskva, 1944, 20–6, pl.—**Röpke, W.** Etwas über Gelenkresektionen. Deut. Militärarzt, 1944, **9**: 428–35.—**Stumpfegger, L.** Gelenkplastik nach Kriegsverletzung. Münch. med. Wschr., 1944, **91**: 328–30.—**Teneff, S.** Le resezioni articolari. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 295–311. ——— Le resezioni, le artrotomie e le punture delle articolazioni. Ibid., 295–317, illust. ——— Le artrotomie; drenaggio delle grandi articolazioni. Ibid., 311–5, illust.—**Treatment** (The) of infected joint wounds. Rev. War Surg. & M., 1919, **2**: 16–21.

—— Kidney.

See also **Urology.**

Barquín y López, F. Contribución al estudio de las amputaciones caliculares. Rev. san. mil., Habana, 1944, **8**: 95–108.—**Beneventi, F. A.** Nephropexy. U. S. Nav. M. Bull., 1945, **45**: 685–93.

—— Knee.

See also subheading (Extremities)

Anderson, E. M. Arthrotomy of the knee; a review of 50 cases. U. S. Nav. M. Bull., 1944, **42**: 1314–6.—**Bick, E. M.** Patellar flap arthrotomy; a new method for complete exposure of the knee joint. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 3, 19.—**Castro, T.** Historia de la artroplastia; indicaciones; artrotomía y artroplastia de la rodilla según la técnica de Putti. Rev. san. mil., Caracas, 1943, **3**: 29–44.—**Cave, E. F., Rowe, C. R., & Yee, L. B. K.** Selection of cases for arthrotomy of the knee in an overseas general hospital; a two-year follow-up study. J. Bone Surg., 1945, **27**: 603–7.—**Dunlap, K., & Stuck, W. G.** Excision of the semilunar cartilage. Bull. U. S. Army M. Dep., 1949, **9**: 484–7.—**Garden, R. S.** Meniscectomy in the soldier. J. R. Army M. Corps, 1945, **84**: 119–24.—**Guilleminet.** Résultat éloigné de résection totale de la rotule pour blessure de guerre. Lyon chir., 1943, **38**: 589.—

Incisions across the knee joint. Bull. U. S. Army M. Dep., 1945, No. 89, 4.—**Läwen, A.** Zur Frage der Total- oder Teilresektion bei Kniegelenkeiterungen nach Schussverletzung. Deut. Militärarzt, 1944, **9**: 305–8.—**Law, W. A.** The problem of meniscectomy in the soldier. J. Bone Surg., 1946, **28**: 496–500.—**Marsden, C. M.** An analysis of 100 consecutive operations on the knee and a report on a xanthoma of the knee-joint. J. R. Army M. Corps, 1947, **89**: 29–37.—**Montagne, A.** La patelectomía en el tratamiento de las fracturas de la rótula. Rev. san. mil., Lima, 1948–49, **21**: 65–70.—**Nichita, M. I.** Leziunile traumatice ale meniscurilor articulaţiei genuchiului, cu trei observaţiuni personale. Rev. san. mil., Bucur., 1937, **36**: 1005–19.—**Nicolescu, V., & Vasiliu, M. E.** Asupra unui caz de artrită supurată acută a genunchiului tratată prin metoda Willems. Ibid., 169–71.—**Roca, C. A., & Lazaroni, A. F.** Ruptura del tendón rotuliano; plástica tendinosa. Rev. san. mil., B. Air., 1946, **45**: 683–93.—**Scheichl, F.** Gegen die Exartikulation im Kniegelenk als Notamputation im Felde. Zbl. Chir., 1944, **71**: 1186–8.—**Surgery** on the knee joint. Bull. U. S. Army M. Dep., 1944, No. 76, 100–4.—**Thomas, L. I.** A review of 18 cases of arthrotomy of knee joints. Mil. Surgeon, 1946, **98**: 20–4.—**Westhues, H.** Zur Technik der sparsamen Resektion des vereiterten Kniegelenkes und besonders zur Technik der postoperativen Behandlung (Lagerung auf dem Kniereseksionsbügel) Deut. Militärarzt, 1942, **7**: 502–9.—**Willien, L. J.** Second-year end result of arthrotomies of knee. Bull. U. S. Army M. Dep., 1945, **4**: 452–6.

—— Larynx.

See also **Larynx; Otorhinolaryngology.**

Greifenstein. Kehlkopfschüsse, Kehlkopfstenosen und ihre Behandlung. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 71–90.—**Smirnova, A. M.** Poslekontuzionnye rasstrojstva reči i ikh lečenie. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 15.

—— Ligature.

See also subheading (cardiovascular)

Sánchez Gómez, J. Injuries to blood vessels and their sequelae; absorbable metallic ligatures. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 89.—**Shnaper, L.** Krovenosnye sosudy; tekhnika perevjazki sosudov. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 111–22.—**Teneff, S.** La legatura dei vasi sanguigni. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 268–94, illust. ——— La legatura delle principali arterie. Ibid., 268–93, illust. ——— La legatura delle vene principali. Ibid., 293.

—— maxillo-facial.

See also subheadings (Face; Head surgery)

Bichlmayr, A. Kriegskieferchirurgie. 141p. 19½cm. Münch., 1943. Also 2. Aufl. 156p. 19cm. Münch., 1944.

Entin, D. A. Военная челюстно-лицевая хирургия. 3 изд. 231p. 22cm. Moskva, 1945.

Yamasaki, K. Gunzin sika [Military dentistry] 338p. 22½cm. Tokyo, 1937.

Aichinger, A. Weichteil- und Knochenplastiken im Gesichtskieferbereich. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 654–91.—**Aleksandrova, Z. A.** Svobodnaja kostanaja plastika pri izjanakh i pri zamedlennoj konsolidacii ognestrelnykh perelomov niżnej čeljusti, osložnennykh osteomielitom. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 104–7.—**Aschan, P. E.** Plastikkirurgi vid krigsskador. Nord. med., 1944, **22**: 933–9.—**Axhausen, G.** Die Wehrchirurgie des Gesichtsschädels; die provisorische Wundversorgung. Ber. Deut. Ges. Zahn &c. Heilk. (1935) 1936, **72**: pt 2, 130–4. ——— Die Behandlung der Kriegsschussverletzungen im Kiefer-Gesichtsbereich. Zbl. Chir., 1943, **70**: 1722.—**Babickaia, O. E.** Principialnye ustanovki v lečenii ogestrelnykh perelomov sustavnogo otrostka niżnej čeljusti. Tr. Evakohosp., Leningr., 1943, No. 2, 74–87.—**Berényi, B.** Az arc-, állcsontsérültek ellátása a tábori eü. szolgálatban a század körletétől a hadosztálysegélyhelyig. Honvédorvos, 1950, **3**: 401–21, illust.—**Bichlmayr, A.** Erste Hilfe bei den Gesichts- und Kieferverletzungen. In: Kriegschir. Ratgeber, Berl., 1941, 105–27, illust.—**Blocker, T. G., jr, & Stout, R. A.** Mandibular reconstruction, World War II. Plastic & Reconstr. Surg., 1949, **4**: 153–6.—**Bynin, B. N.** Osnovnye principy sovremennogo ortopedičeskogo lečenija ogenstrelnykh perelomov niżnej čeljusti. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 86–92.—**Clarkson, P., & Wilson, T. H. H.** Recommendations for treatment of maxillo-facial cases in forward areas. Brit. Dent. J., 1944, **77**: 229–34.—**Dahl, G.** Om behandling av ansikts- och käkskador i fält. Tskr. mil. hälsov., 1945, **70**: 265–91, illust.—**Entin, D. A.** Organizacija pomošči i lečenie čeljustno-licevykh ranenykh v boevykh operacijakh Krasnoj Armii v 1939 i 1940 gg. Voen. san. delo, 1940, No. 8, 1–9.—**Foster, R. B.** Oral surgery in amphibious warfare. J. Am. Dent. Ass., 1946, **33**: 293–304.—**Gillies, H.** Nursing in plastic surgery and maxillo-facial injuries. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 337–43.—**Hales, W. B.** A summary of maxillo-facial injuries treated at a military hospital. Brit. Dent. J., 1942, **73**: 204–7.—**Herrmann, M.** Das orthopädische und chirurgische Vorgehen bei Gesichts- und Kieferverletzten im Feld- und Heimatlazarett. Deut. zahnärztl. Wschr., 1943, **46**: 379–86.—**Hünermann, T.** Der permaxillare Operationsweg zur Entfernung von Steckgeschossen aus den Siebbeinzellen und zur Aufrichtung von Oberkiefer- und Jochbeinfrakturen. Deut. Militärarzt, 1943, **8**: 338–40.—**Kalineiko, I. P.** [The work of the maxillo-facial surgeon in the Army] Stomatologia, Moskva, 1940, No. 6, 46–51.—**Kastner, E.** Kriegsverletzungen im Mund-, Kiefer- und Gesichtsbereich; ihre Wiedergabe in der Photographie und Plastik im Dienste der ärztlichen Fortbildung. Zschr. Stomat., Wien, 1943, **41**: 15–25.—**Katz, A. J.** Vpravlenie otlomkov verkhnej čeljusti posle ognestrelnykh ranenij. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 97–104.—**Kazanjian, V. H.** Synopsis of treatment of war time injuries of the face and jaws. Apollonian, Bost., 1941, **16**: 57–61. ——— Jaw reconstruction. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 306–36. ——— Early treatment of gunshot wounds of the face and jaws; case histories of patients treated during World War I. Surgery, 1944, **15**: 22–42.—**Khitrov, F. M.** Osteoplastika pri kostnykh defektakh niżnej čeljusti. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 138–48.—**Kincaid, C. J.** Maxillofacial bandage. Bull. U. S. Army M. Dep., 1945, **4**: 475–7.—**Kleitman, I. A.** Analiz neotložnoj ortopedičeskoj pomošči na fronte ranenym v čeljusti i obosnovanie novogo tipa fiksacii tverdnykh provoločnykh šin. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 11.—**Kopp, Z. V.** Sovremennye konstrukcii čeljustnykh protezov. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 132–7.—**Kovačev, S.** Endotrahealna anestezija u rekonstruktivnoj hirurgiji čeljusti. Voj. san. pregl., Beogr., 1949, **6**: 308–10.—**Kurosawa, S.** Gaku-geka ryōiki ni okeru hosetu rei oyobi sin kōan rei [Cases of prosthesis and cases treated with a new device in the field of surgery on the jaw] Kōkūbyōgakkai zassi, 1939, **13**: 521.—**Lapchinsky, A. G.** Zakrytie obširnykh ognestrelnykh defektov tverdogo neba putem peresadki kožki Filatovskim steblem. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 208–12.—**Lebedinsky, M. S.** Duševnoe sostojanie čeljustnykh ranenykh i povedenie lečaščego vrača. Ibid., 228–31.—**Leech, C. H., Drum, B. C., & Osterhagen, H. F.** Management of plastic maxillofacial wounds in an evacuation hospital. Surg. Gyn. Obst., 1946, **83**: 462–73.—**Lentrodt.** First surgical and prosthetic treatment of jaw and face injuries. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 379; Disc., 383–8.—**Litmanovich, G. L.** K voprosu o primenenii plastičnogo šva pri ranenijakh mjagkikh tkanej čeljustnolicevoj oblasti. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 207–12.—**Lukomsky, I. G.** [Closing discourse of the Pan-Union conference on maxillo-facial surgery at the Narkomzdrav of the USSR] Stomatologia, Moskva, 1940, No. 6, 74–7. ——— Otdalennye resultaty lečenija perelomov čeljustej. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 92–7.—**McGee, R. P.** The maxillo-facial surgeon in the front line hospital. Dent. Summary, 1919, **39**: 834–44.—**Mandibular** graft retention by Kirschner wire. Bull. U. S. Army M. Dep., 1947, **7**: 483.—**Matuki, M., Mitome, M.** [et al.] Gaku sensyō kanzya mu-si kossetu-hen no seihuku kotei-hō [Method of stabilizing by plastic operation the toothless, fractured fragment in patients wounded in the jaw in war] Kōkūbyōgakkai zassi, 1939, **13**: 517.—**Matuki, M., & Suga, Y.** Kotei-syō hukuboku narabi-ni gaku-kansetu ni tuite [The immobilizing splint and the joints of the jaw] Ibid., 1941, **15**: 491.—**Matumoto, H.** Kagakkotu kotu-isyoku syuzyutu no rinsyō-teki narabi-ni zikken-teki kenkyū [Clinical and experimental studies on bone graft operations on the mandible] Ibid., 486. ——— **Matuki, M., & Nakamura, H.** Gaku sensyō kanzya kotu-isyoku seiseki [Results in bone grafts on patients wounded in the jaw in war] Ibid., 1939, **13**: 516.—**Meyer, W.** Die Behandlung der Gesichtswunden des Kieferbereichs im Reservelazarett. Deut. zahnärztl. Wschr., 1943, **46**: 27–34.—**Nakagō, Y., & Nakagawa, T.** Kyodai-naru kagaku hōrō-syu tekisyutu tiken rei [Case of successful removal of a tremendous adamantinoma on the lower jaw] Kōkūbyōgakkai zassi, 1939, **13**: 522.—**Oltramare, J. H.** Chirurgie réparatrice des maxillaires. In his Chir. guerre, Lausanne, 1944, 288–307, illust. ——— Chirurgie réparatrice des lèvres du voile et de la voûte. Ibid., 308–11.—**Palazzi, S.** Sulla opportunità del trattamento precoce delle lesioni maxillo-facciali da armi da guerra. Atti Accad. med. lombarda, 1942, **31**: 419–22.—**Perwitzschky.** Die Behandlung der Kiefer- und Gesichtsschüsse mit der Plattendrahtmethode. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 69–71.—**Pichler, H.** Die orthopädischen Aufgaben des Zahnarztes bei Kriegsverletzungen der Kiefer und des Gesichtes. Ber. Deut. Ges. Zahn &c. Heilk. (1939) 1941, **76**: pt 2, 1–16.—**Pieritz, G.** Zur Wundbehandlung im Kiefer-Gesichtsbereich; Erfahrungen der Heimat an den Verletzten dieses Krieges nach ihrer Versorgung im Felde. Deut. Militärarzt, 1943, **8**: 693–8.—**Polo Aragó, C.** Tratamiento de las fracturas de guerra del cuerpo del maxilar inferior. Rev. españ. med. cir. guerra, 1939, **2**: 113–31, illust.—**Reichenbach.** First surgical and orthopedic treatment of maxilla and face injuries. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 379; Disc., 383–8.—**Roche, G. K. T.** Maxillo-facial anaesthesia at a base hospital. Brit. J. Anaesth., 1944–45, **19**: 141–60.—**Schön, F.** Die Behandlung der Gesichts- und Kieferverletzungen im Kriege. Zahnärztl. Rdsch., 1943, 52: 1117–26.—**Schuchardt.** Final treatment of jaw-face injuries. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 382; Disc.,

383–8.—**Sitbon, J.** Remarques sur la chirurgie maxillo-faciale de guerre; évacuation et traitement. Cah. méd., Alger, 1947, **2**: 207–13.—**Some** recent developments in regard to gunshot fractures of the mandible. Rev. War Surg. & M., 1918, **1**: No. 6, 51–7.—**Squirru, C. M.** Tratamiento de las heridas máxilofaciales de guerra. Rev. san. mil., B. Air., 1940, **39**: 368–81, illust.—**Thonhofer.** Die Knochenverschiebungsplastik bei Kriegsverletzungen des Unterkiefers. Deut. zahnärztl. Wschr., 1943, **46**: 443–7.—**Travin, M. S.** Early maxillo-facial surgery, World War II. Plastic & Reconstr. Surg., 1948, **3**: 209–21.—**Treatment** of nonunion or vicious union in gunshot fractures of the lower jaw with loss of substance. Rev. War Surg. & M., 1918, 1: No. 5, 42–8.—**Velikanova, M. M.** Lećenie ognestrelnykh povreždenij ćeljustej. In: Vopr. khir. voiny &c. (Gork. gosud. med. inst.) Gorky, 1942, 203–6.—**Verlocky, A. E.** Okazanie neotložnoj pomošći pri ćeljustno-licevykh povreždenijakh. In: Perv. khir. pomoshch travm. voen. mir. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 191–202.—**Williams, P. E.** Maxillo-facial surgery for military emergencies. Texas Dent. J., 1943, **61**: 421–30.—**Zhakov, M. P.** Metodika rannej kostnoj plastiki pri ognestrelnykh defektakh niżenj ćeljusti. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 119–32.

—— Mouth.

See also **Stomatology.**

Aleksandrova, E. A. Ispravlenie rubcov i deformacij slizistoj oboločki polosti rta posle ognestrelnykh ranenij. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 217–20.—**Bianchi, H. D.** Taponaje en cirugía bucal. Rev. san. mil., B. Air., 1946, **45**: 858–62. ——— Paralelo entre las sulfamidas y la penicilina en cirugía bucal. Ibid., 1421–7.—**Cheek** retractors. Bull. U. S. Army M. Dep., 1945, No. 87, 37.—**Hofreiter.** Oral surgery. CIOS Rep., Lond., 1945, Item 24, No. XXVII–3, 12–4.—**Ivy, R. H., & Eby, J. D.** Use of free skin grafts to replace lost mucous membrane of mouth. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 460–4.—**Limberg, A. A.** Rannee operativnoe lećenie sliunnykh svišćej. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 198–202.—**Lindenbaum, L. M.** O zameśćenii skvoznykh defektov podborodočnoj oblasti i dna polosti rta posle ognestrelnykh ranenij. Vrach. delo, 1946, **26**: 469–74.—**Matuki, M.** Sensyō-sei kōgai senkō heisa syuzyutu ni kan-suru iti kōan [One plan for operation to close a palate perforation due to a war wound] Kōkūbyōgakkai zassi, 1941, **15**: 489.—**Picardi, G., Stoppato** [et al.] Terapia riparatrice della bocca e della faccia nella chirurgia di guerra. Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 584–7.—**Ridgely, D. B.** A suggestion for the surgical preparation of the mouth. Army Dent. Bull., 1942, **13**: 107.—**Riethmuller, R. H.** War oral surgery. J. Am. Dent. Ass., 1940, **27**: 894–9.—**Seldin, R.** First principles of oral surgery. Hosp. Corps. Q., 1944, **17**: No. 2, 32.—**Snyder, W. A., & Cripe, R. E.** Oral surgical procedures. Ibid., 1946, **19**: No. 7, 11.—**Squirru, C.** Resección parcial de la glándula submaxilar y de su conducto por vía endobucal; nueva operación. Rev. san. mil., B. Air., 1943, **42**: 11–20.—**Ueno, T.** Kōkū-geka ryōiki no batei-syō ni tuite [Horseshoe injuries in the field of surgery on the mouth] Kōkūbyōgakkai zassi, 1941, **15**: 494.

—— Nailing.

See also under **Nail.**

BOEHLER, L. Die Technik der Knochenbruchbehandlung im Frieden und im Kriege. Bd 3: Die Marknagelung nach Küntscher. 1–4. Aufl. 373p. 24½cm. Wien, 1944 [Jan.]

Also 5–8. Aufl., p.1601–2054. Wien, 1944 [Sept.]

HAEBLER, C. Experiences with the marrow nail operation according to the principles of Küntscher. Pt 2. 2v. p.50–131. 33½cm. Heidelb., 1948.

Forms Fol. 5 & 5a, Proj. 2, Med. Sect. U. S. Nav. Techn. Unit Europe.

KUENTSCHER, G. The marrow nailing method. 4v. 463 l. 33½cm. n. p., 1949.

Forms Fol. 6–9, Proj. 2, Med. Sect. U. S. Nav. Techn. Unit Europe.]

—— & MAATZ, R. Technique of marrow nailing. 81 l. 33cm. n. p., 1948.

Forms Fol. 3, Proj. 2, Med. Sect. U. S. Nav. Techn. Unit Europe.

MARKNAGELUNG NACH KUENTSCHER. 2 pts [v. p.] 23cm. n. p., 1948.

Forms Proj. No. 2, Med. Sect. U. S. Nav. Techn. Unit Europe.

Translations of articles from German periodicals into English.

Avoidance of infection around transfixation pins (M. R. C. War Wounds Committee) Bull. War M., Lond., 1943–44, **4**: 561.—**Basom, W. C., & Breck, L. W.** A sterilizable holder for the Smith-Petersen nail and anchor plate set. Bull. U. S. Army M. Dep., 1949, **9**: 94.—**Bauer, K. H.** The Küntscher nail. CIOS Rep., Lond., 1945, Item 24, No. XXX–50, 72.—**Häbler, C.** Marknagelung bei alten Frakturen, drohenden und bestehenden Pseudarthrosen in der Heimat. Ber. Arbeitstag. Ost berat. Fachärztc, 1943, 3. Congr., 41–3. ——— Experiences with the marrow nail operation according to the principles of Küntscher. U. S. Nav. M. Bull., 1949, **49**: 423; passim.—**Heim, H.** Die Marknagelung der langen Röhrenknochen nach Küntscher. Deut. Militärarzt, 1943, **8**: 137–46.—**Küntscher.** Die Marknagelung bei Schussfrakturen langer Röhrenknochen im Felde. Ber. Arbeitstag. Ost berat. Fachärztc, 1943, 3. Congr., 40.—**Lacaux, J., & Boucheron, M.** L'enclouage médullaire des os longs par la méthode de Küntscher. Rev. Corps san. mil., Par., 1947, **3**: 89–122.—**Läwen, A.** Ueber die Fixation einiger Gelenke durch zeitweilige percutane Nagelung in der Kriegschirurgie. Deut. Militärarzt, 1943, **8**: 435–45. Also Spanish transl., Rev. san. mil., B. Air., 1944, **43**: 380–401.—**Lindvall, S.** Frakturbehandling med märgspikning enligt Küntscher. Tskr. mil. hälsov., 1949, **74**: 34–8.—**Medullary** nailing of fractures. U. S. Nav. M. Bull., 1949, **49**: 172–5.—**Ormières.** L'utilisation du clou de Küntscher dans la correction chirurgicale d'un cal vicieux et précaire du fémur chez un blessé de guerre. Bull. Soc. méd. mil. fr., 1946, **40**: 72–4.—**Usadel, W.** Küntscher method for bone fractures. CIOS Rep., Lond., 1945, Item 24, No. XXIX–35, 24.—**White, J. W.** Smith-Petersen nail fixation in hip disease. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 143–6.

—— Neck.

See also subheadings (Face; Larynx)

Squirru, C. M. Técnica No. 2 para total vaciamiento de ganglios del cuello. Rev. san. mil., B. Air., 1940, **39**: 9–18.

—— Nose.

See also **Otorhinolaryngology.**

Denker. Die chirurgische Behandlung der Nebenhöhleneiterungen nach Kriegsverletzungen. Münch. med. Wschr., **62**: 820–3.—**Escher, F.** Die kriegschirurgische Versorgung der Nasenneb nhöhlen-Verletzungen. Schweiz. med. Wschr., 1943, **73**: 715–9. Also Vjschr. schweiz. Sanitätsoff., 1943, **20**: 132 (Abstr.)—**Flores, A.** Coagulación y sangrado en las operaciones de la nariz y garganta. Rev. san. mil., Lima, 1939, 12: 66–71.—**Fuiorescu, N.** Considerațiuni în legătură cu hematomul septului nazal. Rev. san. mil., Bucur., 1937, **36**: 1029.—**Goldthwaite, R. H.** Plastic repair nasal displacement and deformity. Mil. Surgeon, 1922, **51**: 42.—**Khitrov, F. M.** Plastika ćastichnykh defektov i deformacii nosa ognestrelnogo proiskhoždenija. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 184–8.—**Lane, F. F.** A method of local anesthesia for intranasal operations. U. S. Nav. M. Bull., 1935, **33**: 55–9.—**Oltramare, J. H.** Chirurgie restauratrice du nez. In his Chir. guerre, Lausanne, 1944, 320–3, illust.—**Parsons, H. H.** A plaster nasal splint. Mil. Surgeon, 1942, **91**: 212.—**Rauer, A. E.** Lećenie svežikh i stoikikh povreždenij nosa posle ognestrelnykh povreždenij. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 168–80. ——— Rinoplastika. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1151–9.—**Safian, J.** Failures in rhinoplastic surgery; causes and prevention. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943 220–31.—**Schuchardt.** Plastic repair of the nose with a tube graft. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 382–8.—**Stewart, O. W., & Botterell, E. H.** Cranio-facial-orbital wounds involving paranasal sinuses; primary definitive surgical treatment. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 112–8.—**Straith, C. L.** Reconstruction about the nasal tip. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 232–43.—**Tarnopolsky, A. M.** Metodika vosstanovlennija totalnykh i subtotalnykh defektov nosa krestoobraznym četyrekhstebelčatym loskutom (sobstvennyj metod) In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 180–3.—**Varshavsky, L. S., & Kotliarov, M. Z.** K voprosu ob operativnom lećenii sinekhii i rubcovykh deformacii nosa. In: Vopr. vosstanov. LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 54.—**Villiers, R. de.** Cirugía plástica nasal. Rev. san. mil., Habana, 1940, **4**: 27–40.—**Voiachek, V. I.** Lećebnye meroprijatija pri boevoj travme nosa i pridatoćnykh nosovykh pazukh. In: Sborn. nauch. rabot. lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 21–4.

—— Nursing technic.

See **Nursing,** Technic; **Operating room,** Technical procedure.

—— Operating room technic.

See **Operating room,** Technical procedures.

—— Pain.

See **Pain,** Surgery; also subheading (Anesthetization)

—— Pelvis.

See also other subheadings (Extremities; Hip)

Imperati, L. Chirurgica del torace, rachide, bacino. Gior. med. mil., 1947, **94**: 465–79.—**Robson, C. J., & Aberhart, C.**

The use of sump drainage following operative procedures in the lower pelvis. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 8, 52–4.—**Schneider, J., & Stapff, R.** Erfahrungen mit der Drahtschwebelagerung nach Klapp, insbesondere mit der Beckenschwebelagerung. Bull. War M., Lond., 1942–43, **3**: 493 (Abstr.)—**Schwartz, J. L.** Pelvic surgery and gynecology. U. S. Nav. M. Bull., 1936, **34**: 507–14.—**Westhues, H.** Die knöcherne Halbschwebelagerung des Beckens. Bull. War M., Lond., 1942–43, **3**: 440 (Abstr.)

—— Penis.

Bean, L. L. Skin graft of the penis. U. S. Nav. M. Bull., 1947, **47**: 715.—**Filonchikov, N. M.** K tekhnike operacii fimoza pri boleznennykh processakh. Voen. med. J., S. Peterb., 1908, **222**: Med. spec. pt, 445–50.—**Fruin, R. L., & McLaughlin, C. W., jr.** Adult circumcision: report of 854 operations on naval recruits. U. S. Nav. M. Bull., 1945, **45**: 42–6.

—— Plaster of Paris.

See **Plaster of Paris.**

—— Pneumothorax.

See **Pneumothorax.**

—— Postoperative care.

See **Postoperative care.**

—— Preparation of patient.

United States. Veterans Administration. Technical bulletin TB 10A–61: Preoperative examinations. [1] p. 27cm. Wash., 1947. Also Change 1. [1] l. 27cm. Wash., 1948.

Adolph, P. E. Preoperative measures used in war surgery in China, with special reference to the delimiting tourniquet. Ann. Surg., 1944, **119**: 246–52.—**Beecher, H. K.** Preparation of battle casualties for surgery. Med. Bull. Medit. Theater U. S., 1945, **3**: 223–36.—**Berdjaev, A. F.** K voprosu o podgotovke operacionnago polja. Voen. med. J., S. Peterb., 1912, **233**: Med. spec. pt, 420–3.—**Jeannin.** Les soins pré-opératoires en chirurgie de guerre. Arch. méd. chir. province, 1926, **16**: 381–7.—**Kaiser, F.** Pre-operative medication for the reduction of gingival infection before oral surgery. Mil. Surgeon, 1941, **88**: 519–22.—**Kunkel, E. P.** The Schilling count in acute surgical conditions. U. S. Nav. M. Bull., 1935, **33**: 451–66.—**Maddox, R. D.** A routine preoperative preparation. U. S. Veterans Bur. M. Bull., 1927, **3**: 544–8.—**Paullus, G. E.** Surgical preparation. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 284.—**Semsettin Camoğlu** [Important precautions before oral operations] Askerî sıhhiye mecmuası, 1939, **68**: 97–105.—**Teneff, S.** Scelta e preparazione degli ambienti chirurgici. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 40–4. ——— Preparazione dello strumentario e del materiale sterilizzato. Ibid., 46–8.

—— Reanimation.

See under **Resuscitation.**

—— reconstructive.

See also **Cold injury, Surgical aspect; Orthopedics; Plastic surgery.**

Bastos y Ansart, M. Los resultados de la cirugía de rehabilitación en nuestros inválidos de guerra. An. Acad. nac. med., Madr., 1924, **44**: 602–10.—**Beck, C.** Surgical reconstruction during and after the war. Illinois M. J., 1918, **33**: 306–9.—**Bogoraz, N.** Vosstanovitelnaja khirurgija. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1000–3.—**Carpenter, G. K., & Rosenfeld, R. T.** Certain reparative problems in orthopedic surgery. Surg. Clin. N. America, 1944, **24**: 420–34.—**Covarrubias Zenteno, R.** La cirugía reparadora en la guerra actual. Arch. Soc. cirujan. hosp., Santiago, 1944, **14**: 49–56.—**Dillehunt, R. B.** The ward surgeon; his relation to reconstruction. Mil. Surgeon, 1919, **45**: 446–8.—**Felsenreich, F.** Probleme der Wiederherstellungschirurgie bei unseren Invaliden. Wien. med. Wschr., 1947, **97**: 297; passim.—**Finney, J. M. T.** The surgical aspects of reconstruction. Med. Rec., N. Y., 1919, **96**: 124.—**Fouche, F. P.** Reconstruction surgery of the Imperial and Union Defense Force. In: Lect. Reconstr. Surg. (Am. Acad. Orthop. Surgeons) Ann. Arb., 1944, 542–6.—**Gallagher, J. L.** Initial care of wounds from reconstructive viewpoint. Mil. Surgeons, 1944, **94**: 212–6. Also Spanish transl., Rev. san. mil., B. Air., 1944, **43**: 1629–36.—**Goldin, G. I.** Rekonstruktivnaja khirurgija pri ognestrelnykh ranenijakh polovogo člena. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 122–7, illust.—**Leriche, R.** De la chirurgie physiologique. Caducée, Port-au-Prince, 1948, No. 38, 11–5.—**Lexer, E.** Die Wiederherstellungschirurgie im Weltkrieg. In: Kriegschir. Ratgeber, Berl., 1941, 167–74.—**McLaughlin, C. W., jr.** Corrective surgery. J. Omaha Clin. Soc., 1944, **5**: 13–20.—**Nutter, J. A.** Reconstructive surgery; the problem of records. J. Am. M. Ass., 1919, **72**: 410.—**O'Reilly, A.** The orthopedic surgeon and reconstruction. Interstate M. J., 1918, **25**: 7–15.—**Rehn, E.** Grundsätzliches zur Wiederherstellungschirurgie bei Kriegsverletzungen. Beitr. klin. Chir., 1940–41, **171**: 1–24. Also Med. Klin., Berl., 1940, **36**: 844 (Abstr.)—**Seemen, H. v.** Wiederherstellungschirurgie. Wien. med. Wschr., 1940, **90**: 406.—**Snedecor, S. T.** Reconstructive surgery of war injuries. Delaware M. J., 1944, **16**: 39–41.—**Szvjet, N. M.** Szövetterápia és homoplastika alkalmazáza a helyreállító sebészetben a Nagy Honvédő Háború rokkantjainál. Honvédorvos, 1950, **2**: 303 (Abstr.)—**Taborissky, M. G.** [Restorative surgery at the front] Feldsher, Moskva, 1944, No. 7, 14–7.—**Wilson, P. D.** Reconstructive surgery of the war wounded. N. England J. M., 1945, **233**: 492–7. Also Rocky Mountain M. J., 1945, **42**: 267–74.

—— Shoulder.

Chazal, A. *Technique et résultats de la résection primitive de l'épaule en chirurgie de guerre. 53p. 8° Lyon, 1919.

Anquin, C. E. de. Hombro doloroso; la resección del acromión. Rev. san. mil., B. Air., 1946, **45**: 774–81.—**Collins, F. M.** Report of a case of Clairmont's operation for recurrent dislocation of the shoulder. J. R. Army M. Corps, 1931, **56**: 53–5.—**Dupuy de Frenelle.** Arthroplastie pour ankylose fibreuse consécutive aux blessures de guerre. Bull. Soc. chir. Paris, (1945) 1946, **36**: 38–40.—**Edwards, E. G.** Bankart operation for recurrent dislocation of the shoulder. U. S. Nav. M. Bull., 1949, **49**: 244–52.—**Grujić, M.** Bankartova operativna metoda za habitualnu luksaciju ramenog zgloba. Voj. san. pregl., Beogr., 1948, **5**: 308.—**Kunz, H. G.** The Nicola operation. Mil. Surgeon, 1945, **96**: 429–32.—**Metcalfe, J. W.** The Bankart operation for recurrent dislocation of the shoulder. U. S. Nav. M. Bull., 1947, **47**: 672–5.—**Morandi, G.** Esiti funzionali in anchilosi della scapolo-omerale e osteotomia derotativa. Gior. med. mil., 1947, **94**: 30–40.—**Oudard, P.** Le traitement de la luxation récidivante de l'épaule (variété antéro-interne) par la butée osseuse. Rev. méd. nav., Par., 1946, 1: 305–20.—**Pervés, J.** L'opération d'Oudard (allongement de la coracoïde et raccourcissement du sous-scapulaire) par incision axillaire esthétique. Ibid., 209–12, 4 pl.—**Roca, C. A.** Luxación recidivante de hombro; resultados alejados de la operación de Oudard. Rev. san. mil., B. Air., 1945, **44**: 550–8.—**Stanek, W. F., & Andre, H. C.** The Nicola procedure for recurrent dislocation of the shoulder; experiences at a station hospital. Mil. Surgeon, 1944, **95**: 402–5.

—— Sinuses.

Crile, G., jr. Injection of iodized oil as an aid to closure of draining sinuses. U. S. Nav. M. Bull., 1946, **46**: 1174–7.

—— Spine.

Imperati, L. Chirurgica del torace, rachide, bacino. Gior. med. mil., 1947, **94**: 465–79.—**Martynov, D. A.** [The surgical treatment of wounds of the spine at the Army region] Khirurgia, Moskva, 1945, No. 4, 77–82.—**Mechanical** retractor for hemilaminectomy. Bull. U. S. Army M. Dep., 1945, No. 89, 7.—**Michele, A. A., & Harper, T. C.** A method of spinal fusion by arthrodesis and iliac bone grafts. Mil. Surgeon, 1949, 104: 90–4.—**Operative** (The) treatment of bullet wounds of the spinal cord. Rev. War Surg. & M., 1918, 1: No. 5, 14–23.—**Stoian, C., Gilorteanu, Io., & Orama, O.** [Two cases of operation of the spinal cord] Rev. san. mil., Bucur., 1931, **30**: 381–91.—**Werden, D. H.** Hemilaminectomy technic for herniated lumbar discs. U. S. Nav. M. Bull., 1944, **42**: 776–9.

—— Spleen.

See **Splenectomy.**

—— Standardization.

Crile, G. W. Standardization of the practice of military surgery: the clinical surgeon in military service. J. Am. M. Ass., 1917, **69**: 291.

—— Stomach.

See also other subheadings (Abdomen; gastrointestinal)

Bal, V. M. Sravnitelnaja anatomo-histologičeskaja ocenka rezecirovannogo želudka tipa Billroth I i Billroth II. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 447–73.—**Bethea, J. A.** Pre-operative and post-operative treatment in surgery of the stomach. Mil. Surgeon, 1931, **69**: 287–93.—**Boldin, A. M.** K voprosu o pokazanijakh k povtornym operacijam na želudke i ikh tekhnike. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 510–9.—**Bolshev, I. N., Sovetov, N. V., & Usova, R. M.** K voprosu laboratorno-klinič eskogo nabljudenija za želudočnymi bolnymi v posleoperacionnom periode. Ibid., 571–87.—**Cole, F. L., & Forsee, J. H.** Subtotal and total gastrectomy. Mil. Surgeon, 1942, **90**: 353–72.—**Eiselsberg, K. P.** Zur Einsatzfähigkeit von magenresezierten Soldaten vom Standpunkt des Internisten. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 368–76.—**Hook, F. R.** Gastric surgery; a discussion of the present day trends. U. S. Nav. M. Bull., 1938, **36**: 455–68.—**Huergo Pino, M., Mijares, J. A., & Vidal Yebra, J. M.** Resección gástrica;

importancia de la movilización total de la gran tuberosidad del estómago para el empleo sistemático de la anastomosis gastroduodenal. Bol. Hosp. milit., Habana, 1949, **2**: 21–36.—**Jones, H. W.** Operations for peptic ulcer and gastric cancer, with discussions; case reports. Mil. Surgeon, 1932, **70**: 57–66.—**Korolev, B. A.** Totalnaja gastrektomija s udaleniem selezenki. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 552–70.—**Muñoz Cardona, P.** Enfisema subcutáneo en esclavina, consecutivo a resección gástrica. Med. & cir. guerra, 1949, **11**: 283–6.—**Noda, T.** Geka-teki syoti wo hodokositaru igan 51 rei oyobi i- narabi-ni zyūnisityō-kaiyō 70 rei no tōkeiteki kansatu [Statistical observations on 51 cases of stomach cancer and 70 cases of peptic ulcer that received surgical treatment] Kaigun gun-ikai zassi, 1939, **28**: 242–76, 2 pl.—**Oliveira Ramos, J. de.** Gastro-duodencctomía parcial. Rev. med. mil., Rio, 1944, **33**: 247–54. ——— Considerações sobre a gastroduodenectomia. Ibid., 1946, **35**: 205–12.—**Quadros, M. de.** Aferentitis; nota clínica quirúrgica. Med. & circ. guerra, 1949, **11**: 407–9.—**Sokolov, V. V.** Povtornye operacii na żeludke i ikh otdalennye rezultaty. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 520–5.—**Sovetov, N. V.** Pokazanija k vvedeniju drenaża pri rezekcijakh żeludka. Ibid., 526–35.—**Stoian, C., & Rădulescu, N.** [Simple and quick method in marsupialization] Rev. san. mil., Bucur., 1932, **31**: 16–8.

—— Surgeon's preparation.

See also other subheadings (Antisepsis; Asepsis) also **Hand washing.**

Davletov, A. S. [Une nouvelle méthode de désinfection des mains de chirurgien qui a des avantages dans les conditions de bataille] Khirurgia, Moskva, 1940, No. 9, 66–9.—**Dobrovinsky, P. N.** Opyt dezinfekcii ruk u rabotnikov kukhni bakterícidom Prof. Ebarskogo. Voen. san. delo, 1940, No. 6, 81–3.—[**Instructions** for the scrubbing of hands in army field hospitals] Sovet. med. 1940, No. 15, 32.—**Teneff, S.** Preparazione dei chirurghi. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 49.

—— Suture.

See **Suture.**

—— Sympathetic nervous system.

See also **Sympathectomy.**

Bernhard. Vorweisungen der chirurgischen Klinik zur Sympathikus- und Kriegschirurgie. Med. Klin., Berl., 1944, **40**: 475.—**Laborit, H.** Sur l'avenir de la chirurgie sympathique. Rev. méd. nav., Par., 1947, **2**: 51–3.—**Martínez Almoyna, C.** La cirugía del simpático. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 669–84.

—— Tamponade.

See with subheading (Drainage)

—— thoracic.

See **Thoracic surgery.**

—— Thyroid.

Cottle, G. F. Seven thyroidectomies. U. S. Nav. M. Bull., 1926, **24**: 557–62, 3 pl.—**Hajnal, G.** Aʃstrumamůtétek utáni szövődmények. Honvédorvos, 1950, **2**: 187–93.—**Isihara, M.** Kōzyōsen tekisyutu zikken [Experiments in extirpation of the thyroid body] Kaigun gun-ikai zassi, 1920, No. 29, 1–26, 3 pl.—**Johnson, P. E.** Bilateral blocking of the cervical plexus for surgery of the front of the neck; report of a thyroidectomy by this method. U. S. Veterans Bur. M. Bull., 1930, **6**: 968–70.—**Kline, L. B.** Surgery of the toxic thyroid gland. Med. Bull. Veterans Admin., 1937–38, **14**: 6–12.—**MacKinnon, D. C.** Postoperative complications of thyroidectomy. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, **4**: 1–17.—**Savinykh, A. G.** O blokade zvezdčatykh uzlov pri operacii Basedova zoba. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 32–41.—**Sloan, L. W.** Surgery of the thyroid, including the use of thiouracil. Profess. Staff Proc. Halloran Gen. Hosp., 1946, **1**: No. 1, 25–35. Also Bull. U. S. Army M. Dep., 1947, **7**: 1022–9.

—— tropical.

See **Tropical surgery.**

—— urological.

See **Urology.**

—— in desert.

See with **Desert warfare.**

SURGICAL technician.

See **Medical technician; Operating room,** Technical procedure.

SURGICAL truck.

See under **Truck.**

SURGICAL unit.

See also **Amphibious warfare; Clearing station,** Surgical service; **Hospital** subheadings (mobile; portable) **Operating room; Operating tent; Truck,** surgical.

Labeylies, I. A. *Contribution à l'étude du poste chirurgical avancé (P. C. A.) sa construction, son fonctionnement. 47p. 8° Bord., 1916.

Allvi, G. Le nuove unità chirurgiche al fronte. Pensiero med. 1916, **6**: 557–9.—**Fiolle, J.** Le poste chirurgical avancé. In his Essais chir. mod., Par., 1919, 167–81.—**Hillsman, J. A.** The field surgical unit. Canad. M. Ass. J., 1948, **58**: 61–3.—**Howell, J., & Truscott, B. M.** Management of a field surgical unit. Brit. M. J., 1944, **1**: 501–3.—**Robertson, R.** Activities of a field surgical unit. Bull. Vancouver M. Ass., 1944–45, **21**: 205–10.—**Sokolova, T. N.** [Analysis of work in a specialized hospital] Stomatologia, Moskva, 1944, 49–51.

—— Amputation unit.

United States. Army. Philippine Amputation and Prosthetic Unit. Report of 9940 TSU–SGO, Philippine Amputation and Prosthetic Unit. 133p. 27cm. Wash., 1947.

Amputation service, A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 11: pt 1, 687–712.—**Civilian** survey of the Army's amputation program. Bull. U. S. Army M. Dep., 1946, **5**: 7.—**Mocquot.** Indications and general technique of amputations in fresh war wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 964–6.—**Peterson, L. T.** The Army amputation program. J. Bone Surg., 1944, **26**: 635–8.—**Report** of Civilian Consultants Committee on Army amputation services. Mil. Surgeon, 1946, **98**: 52–7.—**Ten Kate, J. & Numans, C.** Een bezoek aan het Engelsche amputatiecentrum Roehampton. Geneesk. gids, 1946, **24**: 149–54.

—— Auxiliary unit.

Johnson, J. B., jr, & Wilson, G. H. The auxiliary surgical group. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 534.—**Reddy, D. V. S.** Native doctors (dressers) in the Army. In his Begin. Mod. Med. Madras, Calc., 1947, 239.

—— Head-surgery unit.

See also **Head injury,** Treatment: Organization.

Parker, W. R. Résumé of the activities of the Division of Surgery of the head [with special reference to ophthalmology] Tr. Coll. Physicians Philadelphia, 1918, 259.

—— maxillo-facial.

Bynin, B. N. [Maxillo-facial aid during the present war] Stomatologia, Moskva, 1943, 60–2. ——— Klinické výsledky práce čelistních nemocnic národního komistariátu zdravotnictví RSFSR za vlastenecké války. Voj. zdrav. listy, 1949, **18**: 6–9.—**Christ, H.** Die Aufgaben und Behandlungsziele einer frontnahen Fachtstation für Kieferverletzte. Münch. med. Wschr., 1942, **89**: 832–6.—**Darcissac, M.** De l'emploi de l'acide trichloracétique dans le traitement des plaies infectées et gangrénées chez les blessés maxillo-faciaux du centre de Bordeaux. Rev. stomat., Par., 1941, **42**: 100–3.—**Fry, W. K.** The work which is being done at the Maxillo-Facial Unit at East Grinstead, making men whole again in body and mind. Mouth Mirror, Lond., 1943, **22**: 152–6.—**Lukomsky, I. G.** [The work of the maxillo-facial sections of evacuation hospitals] Stomatologia, Moskva, 1943, 62–4.—**Thornton, H. L., & Rowbotham, S.** Anaesthesia in a maxillo-facial surgical unit with the British Liberation Army. Anesthesiology, 1945, **6**: 580–96.—**Ulianicky, N. J., Rofe, A. E., & Ustimenko, V. L.** [Results of the orthopedic work in the maxillary division of rear evacuation hospitals] Voen. san. delo, 1941, No. 8, 48–53.

—— mobile.

See also **Hospital, surgical; Truck,** surgical.

Abramov, P. [The auto-surgical detachment] Voen. san. delo, 1937, No. 6, 57–63.—**Clark, J. M. P.** Some observations upon the work of a mobile surgical team. J. R. Army M. Corps, 1940, **75**: 223–6.—**Cracovaner, D. J.** A mobile surgical unit. U. S. Nav. M. Bull., 1943, **41**: 837–45.—**Dalling, E. J.** A maxillo-facial surgical unit mobile dental laboratory. Brit. Dent. J., 1945, **78**: 10–2.—**Extracts** from letters from a mobile surgical unit. J. R. Army M. Corps, 1942, **78**: 245–8.—**Garvin, L. I.** Opyt raboty avtokhirurgičeskogo otrjada. Voen. san. delo, 1940, No. 10, 70–6.—**Mersheimer, W. L., Allen, R. G.** [et al.] A mobile surgical unit in a combat area. U. S. Nav. M. Bull., 1946, **46**: 1389–97.—**Quénu.** Sur un mémoire de M. le Dr. Plisson sur un groupe chirurgical mobile. Bull. Acad. méd., Par., 1917, 3. ser., **78**: 362–6.

—— **naval.**

Dement, D. E. Mobile surgical unit setup. U. S. Nav. M. Bull., 1944, **43**: 773.

—— **Parachute unit.**

See **Parachute Surgical Team.**

—— **Plastic-surgery unit.**

See under **Plastic surgery.**

—— **Thoracic surgical unit.**

See **Thoracic surgery.**

SURRA.

See **Trypanosomosis.**

SURVEY.

See such terms as **Nutrition survey**; **Parasitosis,** Survey; **Tuberculosis,** Survey methods.

SURVIVAL.

See also **Arctic service** subheadings (Hygiene; Medical aspect) **Rescue,** Air-sea rescue; **Shipwreck; Shipwrecked,** Survival.

United States. Air Force. Arctic, Desert and Tropic Branch. Medical series 1, No. 3: Medical aspects of survival. 7p. 27cm. Orlando, 1944.

United States. Air Force. Arctic, Desert and Tropic Information Center. Informational bulletin. Ser. A, No. 1: Forced landings and desert survival. 6p. 27cm. Eglin Field, 1943.

[United States] Ethnographic Board, & [United States] Smithsonian Institution. Survival on land and sea; prepared for the United States Navy. 187p. 13cm. Wash., 1944.

Washington, D. C. Airlines War Training Institute. Survival. 116p. 18cm. Wash., 1943.

Ocean survival. ADTIC Digest, Eglin Field, 1943, Ser. 1, No. 3, 1–17.—**Survival** in summer. In: School Lect. U. S. Air Force Arctic &c. Inform. Cent., N. Y., 1943, No. 3, 22.—**Ullman, V.** Exhibit for teaching survival methods. Hosp. Corps Q., 1945, **18**: No. 2, 29–32.

SURVIVAL equipment.

See also **Parachute surgical team,** Equipment.

Barker, E. D. Thermal test of Tent, Arctic Survival, Barren Land, 3–4 Man, Type B–1, under varied weather and occupancy conditions. 11p. 27cm. Dayton, 1948.

Forms No. MCREXD–670–21F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Bright, N. Field test of hand-generated survival radio, spotlights and fire starter. 12p. 26½cm. Dayton, 1949.

Forms No. MCREXD–670–22G of preceding research project.

—— Functional test of ice saw-snow knives at −65°F. 7p. 26½cm. Dayton, 1949.

Forms No. MCREXD–670–22M of preceding project.

Hanselman, N. K. Emergency survival equipment, Alaskan wet cold field test. 21p. 27cm. Dayton, 1950.

Forms No. MCREXD–670–20G of preceding research project.

United States. Air Force. Arctic Aeromedical Laboratory. Project 3: Field test of survival equipment. 5nos. 27cm. Ladd Air Force Base, 1948.

CONTENTS

Section A. An evaluation of the Casualty Camp, Arctic Aerial Delivery (Experimental) Green, J. C., & McCartan, J. P. 3 l.

Section B. Evaluation of Hand Generated Signal Lamp (Sealed Beam) Green, J. C., & McCarten, J. P. 3 l.

Section C. An evaluation of the Transmitter, Radio-Beacon, AN/CRN–16 (XA–5) Green, J. C., & McCartan, J. P. 4 l.

Section E. An evaluation of the Tent, Arctic Survival, Barren Land. Green, J. C., & McCartan, J. P. 3 l.

Section L. Preliminary report of Bag, Casualty, Evacuation (Experimental) Pecora, J. S. 4 l.

United States. Navy. Office of the Chief of Naval Operations. Aviation Training Division. How to survive on land and sea; individual survival. 264p. 23½cm. Annap., 1943.

Green, J. C., & McCartan, J. P. Field test of survival equipment. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, Jan., 7–14.

SURVIVAL kit.

See also **Emergency kit; Rescue,** Air-sea rescue.

Bright, N. Description of Swedish Air Force survival kit for cold weather. 16p. 27cm. Dayton, 1949.

Forms No. MCREXD–670–20F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Test survey of space available for a survival kit in fighter aircraft. 13p. 27cm. Dayton, 1948.

Forms No. MCREXD–670–21G of preceding project.

Hanselman, N. K. Kit, survival, aircrew, arctic sled type (for multiplace aircraft) 9 l. 27cm. Dayton, 1949.

Forms No. MCREXD–670–22H of preceding project.

Hollifield, R. G., sr. Final development status of kit container, fighter pilot, seat type, survival. 9p. 27cm. Dayton, 1948.

Forms No. MCREXD–670–20B of preceding project.

United States. Air Force. Arctic Aeromedical Laboratory. Project 3: Field test of survival equipment. 5nos. 27cm. Ladd Air Force Base, 1948.

CONTENTS

Section F. An evaluation of Kit, Emergency Rescue, Arctic Sled. Green, J. C., & McCartan, J. P. 6 l.

Section G. An evaluation of Kit, Fighter Pilot, Basic Survival. Green, J. C., & McCartan, J. P. 13 l.

Section H. Field test of Paradoctor Kit. Pecora, J. S. 14 l.

Section J. An evaluation of the Kit, Emergency Sustenance, Aircraft Basic, Type E–18. Green, J. C., & McCartan, J. P. 4 l.

Section K. An evaluation of the Kit, Emergency Sustenance, Aerial Delivery, Type E–12. Green, J. C., & McCartan, J. P. 4 l.

SURVIVAL ration.

See also **Life raft; Shipwrecked,** Water and diet.

Jackson, M. M. Individually packaged in-flight meal (from E and Ten-in-one Rations) 16p. 27cm. Dayton, 1948.

Forms No. MCREXD–691–2A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Mellinger, G. W. Arctic survival rations. 9p. 27cm. Dayton, 1948.

Forms No. MCREXD–691–3I of preceding research project.

Roth, J. L. D. Survival ration, nutritional requirements and physiological aspects. 18p. 27cm. Dayton, 1947.

Forms No. TSEAA–691–3D of preceding project.

Berryman, G. H. Background of survival ration. Rep. Conf. Surviv. & Emerg. Rations [U. S.] Chic., 1947, 2–12.—**King, C. G.** Significant contributions to the survival and emergency problem. Ibid., 12.—**Miller, A. J., & Pecora, J. S.** Field test Air Force emergency type ration. Q. Res. Rep. U. S. Arctic Aeromed. Laborat., 1948, Jan., 14.—**Survival** ration. Res. Program U. S. Army M. Res. Bd. 1948. Jan. 77.

SUSPENSION.

See under **Oxygen mask.**

SUTTON harness.

See **Fracture**—by site: Spine; also **Harness; Spine,** Injury.

SUTURE.

See also **Disinfection; Dressing; Wound** subheadings (Surgery: Primary suture; Secondary suture)

Chevrier, R. Confection des noeuds chirurgicaux de ligature et de suture. Rev. Serv. san. mil., Par., 1940, **112:** 467–75.—**Hurley, M. T.** A simplified suturing instrument. U. S. Nav. M. Bull., 1945, **44:** 1287.—**Makarenko, A.** Shov khirurgićeskij. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 1057–63, illust.—**Mysh, V. M.** Shov i ligatura. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 125–40.—**Suggested** hobble for postoperative sciatic nerve sutures. Bull. U. S. Army M. Dep., 1945, **4:** 519.

—— Material.

Mathieson, D. R., Pudenz, R. H. [et al.] Investigation of hog-gut as suture material. 25p. 26½cm. Bethesda, 1943.

Forms Res. Proj. X-101, U. S. Nav. M. Res. Inst.

Neff, L. *Ueber die Verwendung von Nahtmaterial bei der kampfenden Truppe [Berlin] 36p. 21cm. Münch., 1939.

Beasley, W. D. Preparation of steel wire suture. Hosp. Corps Q., 1945, **18:** No. 9, 67.—**Bell, R. H.** Impressions concerning the use of alloy steel wire in general surgery. Mil. Surgeon, 1942, **91:** 185–7.—**Byron, R. L.,** jr. Cotton knots. U. S. Nav. M. Bull., 1948, **48:** 93.—**De Sarlo, E.** Il materiale di sutura e di allacciatura in chirurgia di guerra. Gior. med. mil., 1912, **60:** 404–17.—**Kimbrough, J. W.** Cotton sutures. U. S. Nav. M. Bull., 1943, **41:** 1158.—**Logue, J. B., & Walsh, W. E.** Cotton sutures; use in general surgery. Ibid., 1940, **38:** 511–4.—**Nakamura, A.** Geka syuzyutu-yō kinsi no ippanseisitu to sosiki-nai ni okeru unmei oyobi syūi-sosiki ni oyobosu byōrigaku-teki henka ni kan-suru hoi [Addendum to: The fate of the silk thread used in surgical operations in average constitutions and tissues and pathological changes in surrounding tissues] Gun idan zassi, 1925, 559–63.—**Raynaud, F. L.** Préparations des catguts, soies, crins chirurgicaux et autres moyens de suture et ligature. Rev. Serv. san. mil., Par., 1938, **108:** 285–306. Also Deut. Militärarzt, 1940, **5:** 349 (Abstr.)—**Sá, V. J. de.** O uso do fio de algodão (linha de costura) em cirurgia. Arq. brasil. med. nav., 1943, **4:** 127–38.—**Sparkman, R. S.** Cotton sutures in surgery of warfare. Surgery, 1945, **17:** 73–7.—**Stokes, R. J., & Mejia, A.** Cotton suture material. U. S. Nav. M. Bull., 1944, **42:** 1412–6.—**Tokmakov, A. S.** [Horsehair as material for sutures and the preparation of it] Voen. san delo, 1935, 22.—**Unabsorbable** materials in war surgery. Bull. Army M. Dep., Lond., 1945, No. 43, 6.—**Vickers, H. D.** Steel wire sutures. U. S. Nav. M. Bull., 1944, **42:** 140–3.—**Vintilescu, I.** Catgutul românesc. Rev. san. mil., Bucur., 1936, **35:** 884–8.

SUVOROV'S Expedition (1799)

See under **Wars and campaigns.**

SWEDEN.

For references to this country see the following headings in the Military Section: **Air Force Medical Service; Dental service; Hospital report; Medical Department; Medical service; Morbidity; Navy medical service; Nutrition survey; Ration; Surgical service; Tuberculosis geography; Veterinary Corps; World War II.**

SWIMMING.

See also **Sport.**

Schaefer, K. E., Alvis, H. J. [et al.] Studies of oxygen toxicity; preliminary report on underwater swimming while breathing oxygen. l. 84–93. 27½cm. N. Lond., 1949.

Forms Proj. NM 002 015 03 01 (or, No. 149, v. 8) Rep. U. S. Nav. M. Res. Laborat.

Amphibious soldiers. Red Cross Courier, 1942–43, **22:** No. 3, 16.—**Bonner, M.** The rôle of swimming in the Hospital Corps program. Hosp. Corps Q., 1943, **16:** No. 3, 53–5.—**Bryant, C. L.** Fighting swimmers. Red Cross Courier, 1942–43, **22:** 3–5.—**Cornsweet, A. C., Wittson, C. L., & Hunt, W. A.** Psychiatric examination of nonswimmers. U. S. Nav. M. Bull., 1945, **44:** 1023–8.—**Cureton, T. K.** Warfare aquatic activities. J. Phys. Educ., N. Y., 1942–43, **40:** 83.—**Grube, F. A.** Swimming soldiers; dripping doughboys take Red Cross swimming course fully clothed and weighted down with equipment of battle; training is part of preparation for land or sea action. Science News Lett., 1942, **42:** 122.—**Kappenburg, B.** Zwemmen op de lagere school. Ned. tschr. geneesk., 1917, **2:** 345–8.—**Lanoue, F. R.** Swimming through burning gasoline or oil. J. Health Phys. Educ., 1942, **13:** 535.—**Lloyd-Williams, I. H.** Notes on an unusual bathing fatality. J. R. Army M. Corps, 1945, **84:** 39.—**Murphy, A. B.** Swimming for the Armed Forces. J. Phys. Educ., N. Y., 1942–43, **40:** 88. —— The Red Cross swimming program for the Armed Forces. J. Health Phys. Educ., 1943, **14:** 247, &c.—**Poague, H.** The Red Cross is teaching the Army to swim. Red Cross Courier, 1942–43, **22:** 16.—**Schenkel.** Schwimmen als Nachbehandlung von Kriegsverletzten. Münch. med. Wschr., 1940, **87:** 1105–7.—**Sprandel, W.** Red Cross military swimming. J. Health Phys. Educ., 1945, **16:** 79, &c.—**Stabler, E. K.** Training the combat swimmer. Red Cross Courier, 1942–43, **22:** No. 11, 4–6.

SWIMMING pool.

See also **Bath.**

United States. War Department. Technical bulletin TB MED 163: Sanitary control of Army swimming pools and swimming areas. 10p. 26cm. Wash., 1945.

Anderson, R. A. A very efficient type of swimming bath. J. R. Army M. Corps, 1933, **60:** 174–80.—**Davis, B. L.** An investigation into the bacterial pollution of swimming baths. Ibid., 81; passim.—**Dunham, G. C.** The purification of swimming pool water. Mil. Surgeon, 1929, **64:** 361–73.—**Lieber, M.** Sanitary control and operation of swimming pools. War Med., Chic., 1944, **5:** 299–301.—**Okuda, S., & Nagamatu, M.** Taiwan Hohei Dai-ni Rentai pool no eisei-teki kansatu [Observations from the standpoint of sanitation on the swimming-pool of the Second Infantry Regiment in Formosa] Gun idan zassi, 1929, 825–38.—**Operation** of swimming pools. Med. Bull. U. S. First Army, 1949, **4:** No. 7, 20–5.—**Quérangel des Essarts, J.** Hygiène des piscines d'eau der mer. Arch. méd. pharm. nav., 1933, **123:** 648–63.—**Rogers, J. A.** Army swimming pools and swimming areas. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 118, 1–14.—**Ruffner, E. L.** Swimming pools, simple and satisfactory treatment. Mil. Surgeon, 1931, **69:** 306–8.—**Swimming** pools. Bull. U. S. Army M. Dep., 1943, No. 69, 28.—**Swimming** pool sanitation and safety. Month. Health Rep. Mil. Distr. Washington, 1948, 1: 8.—**Swimming** pools and bathing areas. Med. Bull. U. S. First Army, 1948, **3:** No. 4, 3; 1949, **4:** No. 5, 4.—**Van Gilse, J. A.** Navy swimming pools. Hygeia, Chic., 1943, **21:** 720.

SWING effect.

See next heading; also **Airsickness** (and subheadings) **Centrifugal force,** Biological effect; **Kinetosis.**

SWING sickness.

See also references of preceding heading.

Hemingway, A. Incidence of swing sickness in eight categories of Army personnel. 4 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 170, U. S. Air Force Sch. Aviat. M.

—— & Smith, P. K. Effect of barbital on swing sickness. 4p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 104 of same school.

—— Effect of vasano on swing sickness. [5] p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 110 of same school.

—— Effect of hyoscine (scopolamine) on swing sickness and on performance. 7 l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 111 of same school.

—— Effect of benzedrine on swing sickness. [3] l. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 113 of same school.

—— Effect of thiamine chloride on swing sickness. 3p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 142 of same school.

—— Effect of U. S. Army Development Type Motion Sickness Preventive on swing sickness. 3p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 198 of same school.

Smith, P. K. Effect of hyoscine (scopolamine) on swing sickness [6] p. 27cm. Randolph Field, 1943.

Forms Rep. No. 2, Proj. No. 111 of same school.

—— Effect of V-5 on swing sickness [5] p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 132 of same school.

—— Effect of pyridoxine hydrochloride on swing sickness [3]p. 27cm. Randolph Field, 1945.

Forms Rep. No. 2, Proj. No. 333 of same school.

SWING test.

See **Vestibular apparatus**; also **Air sickness**; **Lung.**

SWITZERLAND.

For references to this country see the following headings in Military Section: **Hospital report; Medical Corps; Medical examination; Medical organization; Medical service; Military medicine; Morbidity; Nurse Corps; Nutrition service; Nutrition survey; Pharmaceutical service; Pharmacist; Pharmacy; Psychiatry; Ration; Recruiting statistics; Sanitation; Surgical service; Tuberculosis geography; Venereal disease; Veterinary service; Wars and campaigns; World War I; World War II.**

SYLVESTER method.

See under **Respiration**, artificial.

SYMPATHECTOMY.

See also **Pain**; **Surgical technic** subheadings (cardiovascular; Sympathetic nervous system)

Adson, A. W. Indications for and value of various types of sympathectomy. Mil. Surgeon, 1938, **83**: 275–94.—**Craig, W. M.** The treatment of vesical and vascular conditions by operations on the sympathetic nervous system. U. S. Nav. M. Bull., 1935, **33**: 341–8.—**Fleuret.** De la sympathectomie périartérielle en médecine vétérinaire. Rev. vét. mil., Par., 1933, **17**: 413–26.—**Montemayor, G. G.** A modified technic for periarterial sympathectomy. Mil. Surgeon, 1933, **72**: 288–91.—**Paitre.** Resultats après trois mois d'observation de trois sympathectomies péri-artérielles. Bull. Soc. méd. mil. fr., 1929, **23**: 2–10.—**Pfeiffer, G. E.** Lumbar ganglionectomy and ramisectomy: a method of retroperitoneal approach. Med. Bull. Veterans Admin., 1934, **10**: 279–81.—**Plastina, M.** La simpaticectomia periarteriosa. Gior. med. mil., 1933, **81**: 855–71.—**Stahr, G. E.** Lumbar sympathectomy for vasospastic disorders of the lower extremities with case reports. U. S. Nav. M. Bull., 1939, **37**: 571–8.

SYMPATHETIC block.

Brewster, W. R. Sympathetic block therapy in treatment of neurogenic intestinal obstruction, pulmonary embolism, and in angina pectoris with paroxysmal tachycardia. Med. Bull. Europ. Command, 1949, **6**: No. 3, 4–8.—**Felice, P. de.** Anestesia del simpático cervical. Rev. san. mil., Asunción, 1938–39, **12**: 835–7, pl.—**Paradis, B.** Continuous sympathetic block; a new technique. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 6, 5–8.

SYMPATHETIC nervous system.

See also **Nervous system.**

Folly, E. R. M. Exploration clinique du sympathique d'après le rapport de M. André Thomas au Congrès de neurologie et de médecine légale psychiatrique de Paris (1926) ses applications en médecine militaire. Arch. méd. pharm. mil., 1926, **85**: 555–74.

—— Disease.

See also **Neurosis**, autonomic; **Shock**, Autonomic nervous system.

Bernsdorf, W. Ueber vegetative Neuropathien; unter besonderer Berücksichtigung der Kriegserfahrung und der militärärztlichen Beurteilung. Deut. Militärarzt, 1942, **7**: 363–72. Also Vjschr. schweiz. Sanitätsoff., 1943, **20**: 85 (Abstr.)—**Bogorodinsky, D. K.** [Motor and sensory disturbances in injuries of the sympathetic conductors in war trauma of the extremities] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 384–9.—**Holt.** Cervical sympathetic nerve. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 167.—**Mazza, M. A.** Algo sobre simpaticotonismo. Rev. san. mil., B. Air., 1940, **39**: 477–81.—**Preobrazhensky, P. V.** [Isolated disease of the sympathetic nerve of the head] Voen. med. J., Petrogr., 1914, **241**: Med. spec. pt, 194–7.—**Rebierre, P. H. A.** La guerre et le sympathique. Marseille méd., 1927, **64**: 126–30. Also Arch. méd. pharm. mil., 1928, **88**: 429–41.—**Schweinitz, G. E. de.** Ophthalmic symptoms in injury of the cervical sympathetic nerve. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 588–91.—**Shor, G. V.** O ganglionevrome perif. nervv. sistemy. Izv. Voen. med. akad., S. Peterb., 1911, **23**: 388–407.—**Smith, B. H., jr, & Hall, W. H., jr.** Neuroblastoma arising in the thoracic sympathetic chain; report of a case. U. S. Nav. M. Bull., 1949, **49**: 326–8.—**Ugelli, L.** Sulle lesioni traumatiche del simpatico cervicale. Gior. med. mil., 1948, **95**: 93–106.

SYMPATHETIC ophthalmia.

See also **Eye injury.**

Bellecci, P. Su di un caso di papillo-retinite simpatica; considerazioni etiopatogenetiche. Ann. med. nav., Roma, 1946, **51**: 175–92.—**Casagrandi, G.** Sull'etiopatogenesi dell'oftalmia simpatica. Gior. med. mil., 1927, **75**: 552–7.—**Frank-Kamenecky, Z. G.** [Sympathetic uveitis following war trauma of the eye] Vest. oft., 1941, **19**: No. 5, 41–4.—**Gill, W. D.** Uveal pigment in the diagnosis and treatment of sympathetic ophthalmia. Mil. Surgeon, 1930, **67**: 885–94.—**Greenwood, A.** Injuries and diseases; sympathetic ophthalmitis. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 699.—**Loewenstein, A.** War injuries of the eye and sympathetic ophthalmia. Bull. Czech. M. Ass. Gr. Britain, 1942, No. 4, 37–40.—**Randolph, M. E.** Sympathetic ophthalmia; its relation to war injuries. Bull. U. S. Army M. Dep., 1944, No. 83, 49–51.—**Sympathetic** ophthalmitis in war injuries. Brit. J. Ophth., 1943, **27**: 416.—**Wienman, G. J.** Sympathetic ophthalmitis; report of four cases. U. S. Nav. M. Bull., 1943, **41**: 1392–6.

SYMPHYSIS.

See also **Pelvis.**

Anderson, M. X. Traumatic separation of the symphysis pubis without fracture; report of a case. War Med., Chic., 1942, **2**: 597–601.—**Barták, J.** Poranění spony stydké a jejich léčení. Voj. zdrav. listy, 1948, **17**: 169–75.—**Müller-Osten.** Symphysensprengungen. Deut. Militärarzt, 1939, **4**: 361–7.

SYNCOPE.

See also **Blackout of pilot.**

THORNER, M. W. Electroencephalograms in aviation cadets giving a history of fainting. 8p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 75, U. S. Air Force School Aviat. M.

Rugg-Gunn, M. A. Fits, faints and blackouts; a review of the causes of syncope and allied states in naval personnel. J. R. Nav. M. Serv., 1946, **32**: 232–56.—**Sugar, O.** Electroencephalogram in syncopal reactions; collapse at 18,000 feet simulated altitude in the low pressure chamber. War Med., Chic., 1945, **8**: 9–15.

SYNOVIAL membrane.

See also **Joint.**

Bedrick, J. J., & Zawadzki, S. A. Malignant synovioma, case report. Mil. Surgeon, 1945, **97**: 374–7.—**Bennett, G. A.** Malignant neoplasms originating in synovial tissues (synoviomata) a study of thirty-two specimens registered at the Army Institute of Pathology during the war-time period, 1941–45. J. Bone Surg., 1947, **29**: 259–91.—**Sprinz, H.** A case of synovial sarcoma with metastases. Bull. U. S. Army M. Dep., 1949, **9**: 131–40.

SYPHILIS.

See also **Venereal disease.**

BARNIER, A. *La syphilis pendant la Guerre. 115p. 8° Par., 1938.

COMEL, M. Sifilogia in tempo di guerra. 71p. 24cm. Modena, 1943.

Forms No. 1, Anthologica, Modena.

Bogart, G. H. Syphilis, the greatest war menace. Med. Fortnightly, 1917, **49**: 325.—**Breves** consideraciones sobre la sifilis. Mem. Convenc., méd. mil. mex., 1936, 154.—**Callis, H. A.** War, syphilis and the state. J. Nat. M. Ass., 1943, **35**: 144.—**Golay, J.** La guerre et la syphilis; guerre à la syphilis. Praxis, Bern, 1944, **33**: 497–9.—**Grant, I.** Some social aspects of syphilis. Med. Bull. Veterans Admin., 1937–38, **14**: 62–70.—**Hall, E. R.** The syphilis problem in relation to the present emergency. J. Tennessee M. Ass., 1942, **35**: 297–303.—**Lesser, F.** Kriegswissenschaftliche Beiträge zur Syphilis. Deut. med. Wschr., 1918, **44**: 804.—**Marsh, E. H.** Syphilis; its significance, importance and control in the military. Mil. Surgeon, 1940, **86**: 155–62.—**O'Leary, P. A.** Wartime consideration of syphilis. Collect. Papers Mayo Clin. (1943) 1944, **35**: 436–43. Also Illinois M. J., 1944, **85**: 132–7.—**Pacheco e Silva, A. C.** A sífilis e a guerra. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 219–26.—**Pavlov, S.** Sifilis. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 122–33, 2pl.—**Sindō, N.** Baidoku ni kan-suru ni-san no zikken narabi-ni tyōsa; baidoku no yūhatu hannō ni kan-suru kenkyū [Studies and investigations concerning syphilis; a study on a provocative reaction for syphilis] Kaigun gun-ikai zassi, 1939, **28**: 739–58, tab.—**Stokes, J. H.** A hilltop on the syphilologic Marne; the

sinews of war and some salients of the front. Am. J. Syph., 1936, **20**: 231–42.—**Viry, H.** La syphilis et la guerre. Rev. gén. clin. thér., 1916, **30**: 161.

—— asymptomatic.

Bainbridge, W. S. Diagnosing the undiagnosed lues. Mil. Surgeon, 1936, **78**: 273–80. Also Sess. Off. internat. docum. méd. mil. (1935) 1937, 5. Sess., 67–87. ——— An aid to the diagnosis of latent syphilis, luetism. Mil. Surgeon, 1941, **88**: 492–9.—**Burhans, F.** Nicht erkannte und darum vernachlässigte Lues. Deut. Militärarzt, 1942, **7**: 331.—**Finding** hidden cases. Med. Bull. U. S. First Army, 1950, **5**: No. 2, 3.—**Gaucher.** Soldat en permission de sept jours avec une syphilis primaire et secondaire méconnue par deux médecins militaires.—Ann. mal. vénér., 1917, **12**: 528.—**Junquet, Jacob & Le Roch.** A propos d'un cas de syphilis ancienne méconnue à manifestations tertiaires tardives graves. Bull. Soc. méd. mil. fr., 1936, **30**: 319–22.—**Kemal** [Latent syphilis] Askerî sıhhiye mecmuası, 1932, **61**: 92–6.—**Klemp, J. E., & Shaw, C.** [The role of acute gonorrheal urethritis in masking the lesions of early syphilis] Deut. Militärarzt, 1940, **5**: 508 (Abstr.)—**Lévy, G.** Syphilis méconnue chez un militaire, avant son départ en permission. Ann. mal. vénér., 1917, **12**: 527.—**Schaefer, F.** Nicht erkannte, hochansteckende Frühsyphilis. Deut. Militärarzt, 1943, **8**: 359–62.—**Syphilis** not suspected. Bull. Army M. Dep., Lond., 1944, No. 35, 1.—**Wojciechowski, S.** [Latent syphilis in non-commissioned and reserve officers reenlisting for military service] Lek. wojsk., 1936, **28**: 650–4.

—— Cardiovascular system.

Benson, R. L. Rupture of syphilitic cardiac aneurysm. U. S. Veterans Bur. M. Bull., 1929, **5**: 13–6.—**Berman, S.** Syphilitic aortitis with esophageal perforation. Med. Bull. Veterans Admin., 1939–40, **16**: 287–9.—**Bianchi, A., Iribarren, L., & Querol, H. E.** Goma intracerebeloso y síndrome de la arteria cerebelosa pósteroinferior; síndrome de Wallemberg. Rev. san. mil., B. Air., 1941, **40**: 485–94.—**Butler, C. S.** The antiquity of syphilitic aneurysm. Mil. Surgeon, 1938, **82**: 485–90.—**Dressler, M., & Silverman, M.** Cardiovascular syphilis; its early clinical recognition and early treatment. Med. Bull. Veterans Admin., 1943–44, **20**: 21–35.—**Gottlieb, A. M.** Syphilitic stenosis of a coronary orifice; intra vitam diagnosis. Ibid., 1942–43, **19**: 453–7.—**Harris, H. C.** A study of syphilis as an etiological factor in arteriosclerosis and arterial hypertension. Mil. Surgeon, 1941, **88**: 642–59.—**Holcomb, R. C.** Aortic aneurysm and the antiquity of syphilis. Ibid., 1939, **84**: 199–203.—**Kapp, L. A.** Cardiovascular syphilis. Med. Bull. Veterans Admin., 1936, **13**: 1–15.—**Morrison, P.** Syphilis and heart disease. U. S. Veterans Bur. M. Bull., 1928, **4**: 6–11.—**Tauro, F.** Un caso di flebite luetica complicata da infarto polmonare. Gior. med. mil., 1934, **82**: 929–32.—**Tildon, T. T.** Syphilis of the intrathoracic vessels. U. S. Veterans Bur. M. Bull., 1929, **5**: 752–9, 3 pl.—**Turville, W. H. H.** Cardiovascular syphilis. U. S. Nav. M. Bull., 1939, **37**: 237–46.—**Warshawsky, H.** Syphilitic endarteritis obliterans. Med. Bull. Veterans Admin., 1940–41, **17**: 421–4.—**Weber, M. L.** Syphilis as a factor in cardiovascular disease; a review of seventy cases. Ibid., 1935–36, **12**: 228–40.

—— Cases.

Capitanovici, M. Consideraţiuni asupra a două cazuri de sifilis plurivisceral. Rev. san. mil., Bucur., 1937, **36**: 326–8.—**Cooley, E. E.** The chronic venereal case. Army M. Bull., 1937, No. 38, 67–9.—**Dantas, O.** Sífilis adquirida. Arq. brasil. med. nav., 1944, **5**: 407–25.—**Galloway, D. C.** Two interesting cases of syphilis. J. R. Nav. M. Serv., 1943, **29**: 138.—**Kishler, L. F.** The handling of syphilitic cases. J. Ass. Mil. Dent. Surg. U. S., 1918, **2**: 53–9.—**Marin, A.** De la syphilis acquise chez l'adulte. Union méd. Canada, 1941, **70**: 1097–107.—**Morrell, J. F.** Six atypical cases of syphilis. U. S. Nav. M. Bull., 1948, **48**: 547–54.—**Reiss, H.** Patologia kiły w świetle pojęć współczesnych. Lek. wojsk., 1943–44, **35**: 215–26.—**Sindō, S.** Baidoku ni kan-suru ni-san no zikken narabini tyōsa; Tōkyō-si kasō kaikyū no hito-bito no baidoku ni tuite [Studies and investigations concerning syphilis; syphilis among the lower classes in the city of Tōkyō] Kaigun gunikai zassi, 1939, **28**: 831–9.

—— Chancre.

See also subheading (Transmission)

Butler, C. S. Primitive syphilis. U. S. Nav. M. Bull., 1928, **26**: 553–6, pl.—**DiLeo, L. W., & Kelly, F. T.** Multiple chancres; a case report. Ibid., 1944, **43**: 137.—**Glukhov, K. T.** Slućaj vnepolovoj lokalizacii sifilitićeskago skleroza. Voen. med. J., S. Peterb., 1913, **236**: Med. spec. pt, 102–4.—**Hadži-Pavlović, R.** Jedan slučaj luetične skleroze lokalizavane na sluzokoži uretre. Voj. san. pregl., Beogr., 1948, **5**: 38.—**Hague, R. F.** Extragenital chancre. U. S. Nav. M. Bull., 1926, **24**: 313–8, pl.—**Jabur, N.** Um vaso de protossifiloma extra-genital. Arq. brasil. med. nav., 1941, **2**: 243–5, pl.—**Laroche, P.** Diagnostic du chancre. Caducée, Port-au-Prince, 1945, 65.—**McCarthy, C. L.** The meatal chancre. U. S. Nav. M. Bull., 1944, **42**: 431.—**MacClatchie, L. K.** Extragenital primary syphilis. Ibid., 1947, **47**: 970–4.—**Marín Rojas, J.** Chancro luético del labio bucal. Rev. san. nav., Valparaiso, 1937, 7: 209.—**Mujica Gamboa, E.** Chancro genital, no controlado y tratado localmente. Ibid., 1938, 8: 31. ——— Chancro genital de la región dorsal. Ibid., 32–5, pl.—**Noziglia B., L.** Chancro sifilítico doble y precoz. Ibid., 1939, **9**: 83.—**Reynolds, D. G.** Report of two unusual cases of extragenital chancre. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 28, 24–6.—**Shendrikovsky, I. I.** Slućaj vnepolovogo zabolevanija sifilisom. Voen. med. J., S. Peterb., 1913, **238**: Med. spec. pt, 464–6.—**Shumski, J.** [Two cases of extragenital syphilis] Lek. wojsk., 1928, **11**: 113–7.—**Spatz, J. M.** Pitfalls in the diagnosis of primary syphilis. Mil. Surgeon, 1945, **97**: 64.—**Stelle, C. W.** Extragenital chancre; report of case with unusual location. U. S. Nav. M. Bull., 1937, **35**: 470–2.—**Tyzhnenko, A. M.** Dva slućaja vnepolovoj lokalizacii pervićnago skleroza. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 627–31.

—— Clinical aspect.

See also **Neurosyphilis.**

Breck, R. W. A case of malaria, secondary syphilis, lymphogranuloma venereum, and hookworm disease with complications. Bull. U. S. Army M. Dep., 1948, **8**: 742–4.—**Camelin, Garnung** [et al.] Syndrome de Banti et syphilis; considérations étio-pathogéniques et thérapeutiques. Bull. Soc. méd. mil. fr., 1949, **43**: 69.—**Gautron.** Un cas de syphilis retardée et décapitée. Rev. méd. nav., Par., 1948, **3**: 87–9.—**Infantile** syphilis. Mil. Surgeon, 1941, **89**: 938.—**Jame, L.** Syphilis maligne précoce. Bull. Soc. méd. mil. fr., 1936, **30**: 279–82, 2pl.—**Rizk, W. S.** Annular papular syphilide. U. S. Nav. M. Bull., 1935, **33**: 517–21, pl.—**Wallman, J.** Notes on the significance of fever in syphilis with a reference to hypopyrexia. J. R. Army M. Corps, 1945, **85**: 117–22.

—— congenital.

Nabarro, D. Congenital syphilitics of the last war. Lancet, Lond., 1942, **1**: 778.—**Ohsako.** Kakketu wo tomonaeru osoi hassei iden-baidoku no iti rei [A case of late hereditary syphilis accompanied by hemoptysis] Gun idan zassi, 1927, 1219–30, pl. tab.—**Platou.** Penicillin in treatment of congenital syphilis. Bumed News Lett., Wash., 1945, **5**: No. 1, 9.—**Valeriu, R.** Asupra unui caz de sifilis ereditar tardiv al ficatului (hepatită sclero-gomoasă) Rev. san. mil., Bucur., 1928, **27**: 181–4.

—— Control.

Agostini, M. Considerazioni e rilievi di dermosifilopatia nell'impero etiopico. Gior. med. mil., 1936, **84**: 1062–80.—**Barris, F. S.** Syphilis; the deficit in our health defense budget. J. Social Hyg., 1941, **27**: 26–9.—**Bouton, M. A.** The syphilis problem in a defense area. Vener. Dis. Inform., 1943, **24**: 47.—**Eanes, R. H.** Check of syphilis by the Office of the Surgeon General. Army M. Bull., 1936, **36**: 63–6.—**Golay, J.** La guerre et la syphilis; guerre à la syphilis. Rev. méd. Suisse rom., 1945, **65**: 59.—**Greatest** war health problem; syphilis. California West. M., 1942, **57**: 154.—**Guimarães de Macedo, A.** Seis mêses de luta contra a sífilis no C. F. N. Arq. brasil. med. nav., 1944, **5**: 681–8.—**Heller, J. R.,** jr. Syphilis control in war time. South. M. J., 1944, **37**: 219–24.—**Suggestion** for administrative control of syphilitics. Army M. Bull., 1938, No. 44, 93–7.—**Vonderlehr, R. A.** The mobile treatment unit in the control of syphilis. Mil. Surgeon, 1940, **86**: 97–101.

—— Diagnosis.

See also other subheadings (asymptomatic; Serodiagnosis; Serology)

Atkinson, R. C., & Slade, J. D. Useful procedures in the diagnosis of syphilis. Bull. U. S. Army M. Dep., 1945, **4**: 732.—**Branch, A.** Dark field examination of penile lesions. Canad. M. Ass. J., 1943, **48**: 55.—**Clarke, L. B.** The modern diagnosis and treatment of syphilis. J. R. Army M. Corps, 1933, **61**: 340; 427.—**Crawford, J. P.** Darkfield technic in the diagnosis of syphilis. Army M. Bull., 1938, **45**: 6–13.—**Créancier.** Revue sur des points spéciaux de la syphilis; diagnostic général des ulcérations génitales plus particulièrement au Maroc. Arch. méd. pharm. mil., 1934, **100**: 821–36.—**Crowell, D. L.** Pitfalls in diagnosis of syphilis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 4, 34–6.—**Diagnosis** of primary syphilis. Med. Bull. U. S. First Army, 1948, **3**: No. 10, 16.—**Doust, H. B.** Early diagnosis of syphilis important to U. S. defense. Bull. Onondaga Co. M. Soc., 1940–41, **5**: No. 7, 15.—**Grzybowski, M.** [A few words about the so-called syphilimetry] Lek. wojsk, 1928, **11**: 412–8.—**Laboratory** diagnosis of syphilis. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 125.—**McDonald, L. E.** A systematic study of 303 cases of syphilis with use of a graph for aid in comprehension. U. S. Nav. M. Bull., 1934, **32**: 497–506.—**Martinotti, L.** Alcuni problemi di diagnosi e terapia della sifilide. Gior. med. mil., 1933, **81**: 626–8.—**Nagayama, T., Hanawa, T., & Kurobane, S.** Sekkekkyū-tinkō hannō to baidoku [Relation between erythrocyte sedimentation reaction and syphilis] Kaigun gun-ikai zassi, 1940, **29**: 111–4.—**Panconesi, E.** Il trauma come rivelatore di un caso di sifilide ignorata; contributo alla conoscenza dei rapporti tra sifilide e trauma. Gior. med. mil., 1949, **96**: 631–8.—**Pannill, F. C.,** jr. A case of lymphogranuloma venereum and syphilis. Bull. U. S. Army M. Dep., 1947, **7**: 817.—**Parsons, R. P.** Spinal fluid in tropical syphilis. U. S. Nav. M. Bull., 1928, **26**: 916–22.—**Rapile, L.** Valoarea metodelor biologice de diagnostic in sifilis; supravegherea tratamentului şi consideraţiuni asupra duratei suspendărei de la sbor la avia-

tori. Rev. san. mil., Bucur., 1937, **36**: 813–21.—**Reasoner, M. A.** Some general information concerning the diagnoses and treatment of syphilis. Mil. Surgeon, 1916, **39**: 253–64.—**Săceanu, M.** Consideraţiuni critice asupra criteriilor de vindecare ale sifilisului, se vindecă sau nu sifilisul? Rev. san. mil., Bucur., 1937, **36**: 766–76.—**Sáinz de Aja, E. A.** Sobre diagnóstico terapéutico en dermo-sifiliografía. Rev. españ. med. cir. guerra, 1940, **4**: 365–76.—**Serology** is not enough. Bull. Army M. Dep., Lond., 1944, No. 41, 7.—**Smith, R. L.** Routine examination of the cerebrospinal fluid in the treatment of syphilis. Mil. Surgeon, 1930, **66**: 831–4.—**Vedia, E. B. de.** Betrachtungen über Syphiliserkennung und -behandlung im Heer. Deut. Militärarzt, 1940, **5**: 509 (Abstr.)—**Wade, E. M.** Examination of the spinal fluid in syphilis; results of initial examination in 140 cases. U. S. Nav. M. Bull., 1939, **37**: 246–53.—**Willcox, R. R.** The white cell count in early syphilis of males. J. R. Army M. Corps, 1948, **90**: 61–4.

—— Disability.

Barillatti, J. La sífilis y la aptitud para el servicio militar. Rev. san mil., B. Air., 1921, **20**: 793–7.—**Drescher, E. C.** Rehabilitation of syphilitic selectees. Oregon Health Bull., 1943, **21**: No. 9, 3.—**Fraenkel, H.** Syphilis und Dienstunfähigkeit. Med. Reform, Berl., 1915, **23**: 111.—**Mortality** (The) from syphilis. U. S. Nav. M. Bull., 1935, **33**: 536.—**Selectees** with syphilis rehabilitated for induction. J. Social Hyg., 1944, **30**: 566–8.

—— Epidemiology.

Archambeault, C. P. Reinfection in syphilis; report of an unusual case. U. S. Nav. M. Bull., 1927, **25**: 372–4.—**Caletti, G.** Su di un caso di superinfezione luetica. Ann. med. nav., Roma, **45**: 269–71.—**Jabur, N.** Considerações sobre imunidade e reinfecção na sífilis. Arq. brasil. med. nav., 1941, **2**: 405–30.—**Millspaugh, J. A.** Syphilitic reinoculation. Mil. Surgeon, 1936, **79**: 25–33. ——— An analysis of 18 syphilitic reinfections. U. S. Nav. Bull., 1937, **35**: 240–3, pl.—**Richards, T. W.** Early reinfection with syphilis. Ibid., 1915, **9**: 651.—**Santos, J.** Um caso de reinfecção sifilitica. Rev. med. mil., Rio, 1937, **26**: 128–32.—**Wilson, J. F.** A case of probable chancre redux. J. R. Army M. Corps, 1937, **69**: 44–8.

—— Eye.

Bârsan, I. [Case of conjunctival syphiloma] Rev. san. mil., Bucur., 1929, **28**: 67–9.—**Dinulescu, V., Neştianu, S., & Paraipan, C.** Un caz de sifilom conjonctival. Ibid., 1935, **34**: 100.—**Igersheimer, J.** Systemic diseases; syphilis; parasites. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1**: 949; 1948, **2**: 804.—**Johnson, C. E.** Optic nerve damage in luetic patients. Med. Bull. Veterans Admin., 1940–41, **17**: 133–5.—**Millspaugh, J. A.** Unilateral acquired syphilitic interstitial keratitis: report of a case. U. S. Nav. M. Bull., 1936, **34**: 383–6.—**Rouzaud.** Syphilis extragénitale; complications oculaires graves, considerations thérapeutiques. Bull. Soc. méd. mil. fr., 1933, **27**: 108–12.—**Schweinitz, G. E. de.** Ocular syphilitic manifestations. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 575–7.

—— Gastrointestinal system.

Argibay Molina, M. A. Sobre un caso de sífilis hepática secundaria. Rev. san. mil., B. Air., 1934, **33**: 31–9.—**Blanc, J.** Probléme médico-légal soulevé par un cas de gastropathie syphilitique fébrile; quelques considérations sur les syphilis au Maroc. Arch. med. pharm. mil., 1912, **60**: 460–7.—**Cohen, B. M.** Secondary syphilis of the tonsils. U. S. Nav. M. Bull., 1946, **46**: 1278–82.—**Hünermann, T.** Ueber Syphilis der Gaumenmandeln. Deut. Militärarzt, 1942, **7**: 394.—**Jenkins, H. B.** Early syphilis of the subaxillary glands. Bull. U. S. Army M. Dep., 1946, **5**: 709–13.—**Jones, G. I.** An oral lesion in apparently cured syphilis. Mil. Surgeon, 1911, **29**: 215–7.—**Łaba, R.** [Late syphilis of the hepato-splenic system] Lek. wojsk., 1938, **32**: 32–45.—**Ozan, V.** Ağiz ve boğaz firengisi [Mouth and throat syphilis] Askerî sihhiye mecmuası, 1947, **76**: 9–13.—**Otto, H.** Beitrag zur Behandlung luischer Lebererkrankungen mit Neo-Salvarsan. Deut. Militärarzt, 1937, **2**: 447–51.—**Savès & Lafferre.** Un cas de syphilis gastrique. Arch. méd. pharm. nav., 1939, **129**: 289–95.—**Stahr, G. E.** Splenectomy for gastric hemorrhage in splenomegaly associated with syphilis; case reports. U. S. Nav. M. Bull., 1939, **37**: 256–62.—**Tagliaferri, E.** Importanza della sifilide nell'ulcera gastro-duodenale. Gior. med. mil., 1940, **88**: 383–9.

—— History.

Butler, C. S. The importance of the chancre in the history of medicine. U. S. Nav. M. Bull., 1934, **32**: 270–5, 2pl.—**Holcomb, R. C.** Christopher Columbus, and the American origin of syphilis. Ibid., 401–30, 6pl. ——— Syphilis of the skull among Aleuts, and the Asian and North American Eskimo about Bering and Arctic seas. Ibid., 1940, **38**: 177–92, 6pl.—**Kilduffe, R. A.** The next great plague to go; being a short history of syphilis. Mil. Surgeon, 1942, **90**: 374–86.—**Shaffer, L. W.** Four centuries in the treatment of syphilis. Ibid., 1921, **49**: 566–79.—**Smith, F.** Shakespeare on syphilis. J. R. Army M. Corps, 1914, **22**: 450.

—— Musculoskeletal system.

Cupp, H. B. Gumma of the muscle. Mil. Surgeon, 1937, **81**: 332.—**Dubau & Bolot.** Un cas de syphilis de la diaphyse tibiale de l'adulte à forme d'infiltration diaphysaire destructive. Bull. Soc. méd. mil. fr., 1939, **33**: 359–61.—**Farina, A.** Su un caso di osteomielite gommosa nel periodo precoce della lue. Gior. med. mil., 1939, **87**: 59–72.—**Gaucher.** Militaire réformé pour lésion incurable; gomme syphilitique de la jambe guérie, après la réforme, dans le service de la clinique. Ann. mal. véner., 1917, **12**: 524.—**Gutiérrez Mendiola, R., & Pastor Gómez, R.** Espondilitis luética destructiva. Med. & cir. guerra, 1947, **9**: 313–8.—**Metcalfe, J. W.** Syphilitic osteoperiostitis; skull, ribs, and phalanges; report of a case. U. S. Nav. M. Bull., 1949, **49**: 528–35.—**Saidac, I., & Vasilescu, C.** Consideraţiuni asupra unui caz de osteoperiostită şi osteomielită gomoasă sifilitică a femurului. Rev. san. mil., Bucur., 1936, **35**: 704–11.—**Soleri, G.** Due casi di artrosinovite sifilitica secondaria. Gior. med. mil., 1926, **74**: 436–40.—**Villas-Bôas, J.** Syphilis terciaria; osteo-periostite gommosa con destruição completa do tecido osseo das porções attingidas na abobada craneana. Rev. med. mil., Rio, 1936, **25**: 144–9.

—— Nervous system.

See also **Neurosyphilis.**

Aramă, O., & Lupulescu, I. Prognosticul paraliziei generale progresive după piretorerapie malarică sau nemalarică, consecinţe medico-militare. Rev. san. mil., Bucur., 1937, **36**: 1031–4.—**Battaglia, M.** Un caso di sifilide spinale. Gior. med. mil., 1939, **87**: 624–9.—**Bonner, W. F.** Labyrinthine reactions in syphilis. Mil. Surgeon, 1922, **51**: 572.—**Burkes, D. C.** Further observations on the use of tryparsamid in neurosyphilis. U. S. Veterans Bur. M. Bull., 1928, **4**: 322–30.—**Gebel, K.** Rola czynników somatopsychicznych i neurowegetatywnych w leczeniu kiły. Lek. wojsk., 1949, **25**: 359.—**Muñiz Angulo, L.** Una enfermedad fatalmente progresiva, mejorada con la tripar-samida y el ducreyac. Rev. san. mil., Habana, 1943, **7**: 27–31.—**Musa, A. B.** Luetic spinal muscular atrophy; report of two cases. Med. Bull. Veterans Admin., 1935–36, **12**: 296–8.—**Panara, C.** Due osservazioni di accessi epilettiformi nel periodo primario dell'infezione luetica. Gior. med. mil., 1937, **85**: 1352–5.—**Radaeli, A.** Sopra un caso di mielite luetica acuta insorta in periodo secondario. Ibid., 1941, **89**: 165–75.—**Woodruff, P. E.** Idiopathic fractures in paresis; with case reports. Med. Bull. Veterans Admin., 1935, **12**: 96.

—— Personal prevention.

Barillatti, J. Profilaxia de la sífilis. Rev. san. mil., B. Air., 1926, **25**: 91–106.—**De Berardinis, L.** La profilassi anticeltica nell'Esercito. Atti Congr. ital. eugen. sociale (1924) 1927, 1. Congr., 333–9.—**Gaudu cheau, A.** Sur la prophylaxie individuelle de la syphilis. Arch. méd. pharm. nav., 1936, **126**: 133–7.—**Kimbrough, J. W.** Prophylactic use of arsenicals in syphilis. U. S. Nav. M. Bull., 1935, **33**: 386.—**Mahoney, J. F.** An experimental resurvey of the basic factors concerned in prophylaxis in syphilis. Mil. Surgeon, 1935, **78**: 351–63.—**Pagniello, A.** Pomada antiluética: consideraciones técnicas de su preparación. Bol. farm. mil., Madr., 1926, **4**: 289–96.—**Torres, T.** Prophylaxia da syphilis e doenças venereas. Bol. Soc. med. cir. mil., Rio, 1917–18, **3**: No. 11, 93–5.—**Vedia, E. B. de.** La profilaxis de la sífilis en el Ejército. Rev. san. mil., B. Air., 1936, **35**: 562–83.

—— Respiratory system.

Carvalho, D. de. Sífilis pulmonar. Arq. brasil. med. nav., 1941, **2**: 373–82.—**Conde López, M. A.** Contribución al estudio de la sífilis del pulmón; presentación de un caso de sífilis del pulmón. Rev. san. mil., Habana, 1940, **4**: 239–49.—**Coutinho, G., & Jabur, N.** Do terreno luético na tuberculose pulmonar. Arq. brasil. med. nav., 1941, **2**: 575–93.—**DeDecio, T., Potter, B. P., & Kiely, E. M.** Treatment of syphilis co-existing with pulmonary tuberculosis. Rep. Conf. Veterans Admin. Physicians, 1938, 50–4.—**Guilbert, G. D., Harrington, C. L., & Sedofsky, N.** Treatment of coexisting syphilis and pulmonary tuberculosis. Med. Bull. Veterans Admin., 1938–39, **15**: 358–64.—**Hamlin, W. E.** Syphilis of the lungs. Ibid., 1937–38, **14**: 161–3.—**Hugonot, G., Ferrabouc, L.** [et al.] Pneumopathie chez un syphilitique. Bull. Soc. méd. mil. fr., 1935, **29**: 262–6.—**Iwanami, H.** Haizō-baidoku no iti rei [A case of pulmonary syphilis] Kaigun gun-ikai zassi, 1936, **25**: 168–70.—**Jones, E. S.** The differentiation of chronic phthisis and pulmonary syphilis. Med. Bull. Veterans Admin., 1934, **10**: 305–8.—**Laneri, G.** Su di un caso di lues polmonare. Gior. med. mil., 1939, **87**: 724–33.—**Messina, M. C.** Syphilitic pneumonia. Med. Bull. Veterans Admin., 1943–44, **20**: 36–8.—**Munson, L.** Pulmonary tuberculosis in paretic patients; its resemblance to clinical pulmonary syphilis. Ibid., 305–12.—**Olascoaga, M. L.** Neumopatías sifilíticas del adulto. Rev. san. mil. argent., 1947, **46**: 449–55.—**Ornstein, G. G.** The treatment of syphilis in patients with coexisting active pulmonary tuberculosis. Rep. Round Table Conf. Veterans Admin. Tbc. Physicians, 1937, 45–7.—**Rothman, J.** Syphilis of the lung; report of two cases. Med. Bull. Veterans Admin., 1932–33, **9**: 314–7.—**Sedofsky, N., & Harrington, C. L.** The treatment of coexisting syphilis and pulmonary tuberculosis. Ibid., 1940–41, **17**: 354–7.

—— Serodiagnosis.

Cantani, F. Diagnostica italiana della sifilide; nuovi contributo teorici e pratici. Gior. med. mil., 1936, **84**: 937–44.—**Crick, R. P.** Serological tests for syphilis in large H. M. ships under war conditions. J. R. Nav. M. Serv., 1943, **29**: 196.—**Draese.** Beitrag zur Statistik der serologischen Luesreaktionen. Deut. Militärarzt, 1937, **2**: 336–8.—**Eichenlaub, F. J.** Survey of dermatological and syphilogical diagnostic work, United States Veterans' Diagnostic Center, Washington, D. C. U. S. Veterans Bur. M. Bull., 1927, **3**: 975–89.—**Gordon, J. E.** Serologic tests for syphilis. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 7, 17.—**Houghton, J. E., & Sumerlin, H. S.** Combined precipitation (Kahn)-complement fixation (Bass) tests in the serum diagnosis of syphilis; a procedure utilizing natural hemolysin and complement in human blood serum. U. S. Nav. M. Bull., 1930, **28**: 265–72.—**Noguchi, H.** A method of facilitating the serum diagnosis of syphilis under war conditions. J. Am. M. Ass., 1918, **70**: 1157; 1252.—**Serologic** tests of registrants for military service. Tr. Conf. State Terr. Health Oft., 1940, Spec., 120–30.—**Serologic** tests for syphilis. Mil. Surgeon, 1942, **90**: 595.—**Sindō, S.** Baidoku ni kan-suru ni-san no zikken narabi-ni tyōsa; baidoku hannō inseika to ketueki-kei to no kankei ni tuite [Studies and investigations concerning syphilis; relation between the negative change of the Wassermann reaction and blood type] Kaigun gun-ikai zassi, 1939, **28**: 839–45.—**Tataranu, G., & Urziceanu, N.** Considerațiuni asupra sero-diagnosticului în sifilis. Rev. san. mil., Bucur., 1936, **35**: 997–1005.

—— Serodiagnosis: Errors.

Arthur, R. D., & Hale, J. M. Biologic false positive tests for syphilis associated with routine Army immunizations. Mil. Surgeon, 1943, **92**: 53–6.—**B., E. E.** Penicillin in the differentiation of false-positive Kahns. Bumed News Lett., Wash., 1944, **4**: No. 7, 17.—**Biologic** false-positive serologic tests for syphilis. Ibid., 1945, **5**: No. 5, 17–20.—**Elmes, B. G. T., & Findlay, G. M.** Malaria and the serological reactions for syphilis in British soldiers. J. R. Army M. Corps, 1945, **84**: 29.—**False** positive blood tests for syphilis. Res. Program U. S. Army M. Res. Bd, 1947, July, 52; 1948, Jan., 124.—**Gardner, L. L.** That occasional weak positive. Army M. Bull., 1939, **47**: 33–5.—**Heimoff, L. L.** Biologic false positive serologic blood tests following stimulating dose of tetanus toxoid. Mil. Surgeon, 1944, **95**: 419–21.—**Hulett, A. G.** A study of Wassermann negative syphilis. Ibid., 1928, **63**: 167–81.—**Loveman, A. B.** False positive serologic reactions for syphilis; report of 100 cases following routine immunizations and upper respiratory infections. Bull. U. S. Army M. Dep., 1944, No. 80, 95–106.—**Millspaugh, J. A.** Seronegative syphilis. Mil. Surgeon, 1937, **80**: 182–4.—**Rogers, J. A.** False positive serologic reactions due to nonsyphilitic diseases. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 93, 1.—**Rosenberg, A. A.** Effect of malaria on serologic tests for syphilis. Bull. U. S. Army M. Dep., 1945, No. 84, 74–80.—**Syphilis,** false positive blood tests for. Res. Program U. S. Army M. Res. Bd, 1946, July, 61; Oct., 63.—**Talmage, W. R., Dunn, C. W., & Breazeale, E. L.** Effect of battle casualties on serodiagnostic tests for syphilis. Bull. U. S. Army M. Dep., 1946, **6**: 741–4.—**Zieler, K.** Ueber den Missbrauch der Syphilisreaktionen (Wa. R. und Flockungsreaktionen) Deut. Militärarzt, 1944, **9**: 404–8.

—— Serodiagnosis: Methods.

India. Army Medical Directorate. Technical instructions. No. 16: Collection of specimens for Wassermann and Kahn reactions. p.1–2. 34cm. New Delhi, 1944.

In: Techn. Instr. Med. Dir. Army India. 1944: No. 16/17.

—— Technical instructions. No. 17: The interpretation of results of the Wassermann and Kahn tests. p.3–4. 34cm. New Delhi, 1944.

In: Techn. Instr. Med. Dir. Army India, 1944: No. 16/17.

Almeyda, R., & Vicuña, R. Serologia de la sífilis (importancia de las reacciones de Wassermann y de Hecht combinadas) Actas. Congr. med. cir. nav. mil. Chile, 1929, 444–9.—**Anderson, J. B., & Reed, E. C.** Comparative study of complement fixation and precipitation tests for syphilis in 1,000 cases. Med. Bull. Veterans Admin., 1938–39, **15**: 354–7.—**Anncuncement** of a study to evaluate original serologic tests for syphilis. Ibid., 1940–41, **17**: 194.—**Bacigalupo, J., & Franzani, O. F.** Estudio comparativo de las reacciones de Bordet-Wassermann y Kahn. Rev. san. mil., B. Air., 1933, **32**: 255–64.—**Beaudet, E. A.** A simplified flocculation test for syphilis. Med. Bull. Veterans Admin., 1940–41, **17**: 1–6.—**Bell, L., & Goldberg, B.** Reliability of the Leiboff flocculation test for syphilis. Ibid., 1941–42, **18**: 206–9.—**Bennett, D. W., & Howze, H. H.** A comparative study of laboratory tests for syphilis. Ibid., 287.—**Bua, G.** Sulla riattivazione delle reazioni sierologiche nella sifilide con particolare riguardo al metodo di Rajka. Gior. med. mil., 1939, **87**: 587–612.—**Craig, C. F.** A comparison of the practical value of the Wassermann and Kahn tests in the diagnosis of syphilis in the military service. Am. J. Syph., 1929, **13**: 206–15.—**D'Angelo, M.** Ricerche sul valore della reazione di Kline nella sierologia della sifilide. Gior. med. mil., 1937, **85**: 854–64.—**Ferrajoli, F.** La reazione di Ide per la sifilide. Ibid., 1939, **87**: 42; 156.—**Franchi, F.** La seconda reazione di chiarificazione di Meinicke (M. K. R. II) nella sierodiagnosi della sifilide. Ibid., 1933, **81**: 768–80.—**González Reynoso, S.** Estudio comparativo de la reacción de Wasserman y la reacción balón II de Müller. Gac. méd. mil., Méx., 1933–34, **1**: 235–40.—**Gunn, W. D.** Laughlen's modified test for syphilis. J. R. Nav. M. Serv., 1939, **25**: 157–63.—**Hartinger, A. O.** Experience with the Beaudet flocculation test for syphilis. Med. Bull. Veterans Admin., 1940–41, **17**: 232.—**Jahnel.** Evaluation of the serological test for lues in regard to its diagnostic value with omission of Wassermann's reaction. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 143–6.—**Kent, J. F., Boyd, H. M., & Sanders, R. W.** Cardiolipin antigen in the Kolmer complement-fixation test for syphilis. Bull. U. S. Army M. Dep., 1948, **8**: 284–93.—**Lederer, A.** Comparative value of the Wassermann and Kahn tests [a study ot 500 cases] U. S. Veterans Bur. M. Bull., 1926, **2**: 456–66. ——— Comparative results with the United States Veterans' Bureau Wasserman and the Kahn tests. Ibid., 955–7.—**Lemaire, A. E. H.** Les réactions sérologiques de la syphilis; choix nécessaire de plusieurs méthodes de types différentes. Rev. Serv. san. mil., Par., 1937, **106**: 859–80.—**Levine, B. S.** Studies of the precipitation, precipitation-fixation and the cold fixation tests for syphilis. U. S. Vetcrans Bur. M. Bull., 1930, **6**: 271–8.—**Muschel, L. H.** Cardiolipin in the Kolmer technic. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 6, 14.—**Nakano, M.** Meinicke-si dai-san kondaku-hannō ni kan-suru zikken-teki kenkyū hoi; gai-hannō no tōkei-teki kansatu [Supplement to experimental studies on Meinicke's third turbidity test; statistical observations on this test] Gun idan zassi, 1927, 41–66, tab.—**Pisarczyk, R.** Odczyn Bordet-Wassermanna, a odczyn cytocholowy. Lek. wojsk., 1932, **19**: 633–40.—**Pollák, R., & Buček, F.** [Müller's flocculation reaction in syphilis] Voj. zdrav. listy, 1929, **5**: 102–6.—**Read, H., & Ponce Pinedo, A. M.** Mas rápidez en la reacción de Meinicke. Rev. méd. mil., Trujillo, 1940, **2**: 58.—**Rebaudi, F.** Sul valore dell'enzimoreazione nella diagnosi sierologica di sifilide. Gior. med. mil., 1930, 78: 453–63.—**Rein, C. R., & Callender, G. R.** Verification tests in serodiagnosis of syphilis. Bull. U. S. Army M. Dep., 1945, No. 85, 108–12.—**Reusser, T. R.** Relative sensitivity of complement fixation and flocculation tests in the sero-diagnosis of syphilis. Med. Bull. Veterans Admin., 1940–41, **17**: 233–6.—**Revert, C.** La suerohemofloculación de A. Prunell. Bol. farm. mil., Madr., 1929, **7**: 34–8.—**Russell, M.** Comparison ot results of the Wassermann test with the precipitation tests of Meinicke and Kline. U. S. Veterans Bur. M. Bull., 1930, **6**: 54.—**Salazar, M.** La reacción de Hinton y la de Kahn comparadas con la de Wassermann en el serodiagnóstico de la sífilis. Rev. san. mil., Madr., 1929, **19**: 107.—**Schiavone, E. L.** Estudio comparativo de la reacción de Chediak con las reacciones de Wassermann, Kahn standard y presuntiva. Rev. san. mil., B. Air., 1941, **40**: 927; 998.—**Serisson, C., & Ali, C.** [Hinton's reaction; a new flocculation reaction in the diagnosis of syphilis] Askerî sıhhiye mecmuası, 1933, **62**: 33–42.—**Suzuki, T., & Matusita, T.** [Comparative study of Meinicke's turbidity reaction and the method of Dujarric de la Rivière and Gallerand with Wassermann's reaction] Kaigun gun-ikai zassi, 1926–27, **15**: No. 4, 9.—**Tadić, R.** [Kolmer reaction in diagnosis of syphilis] Voj. san. glasnik, 1931, **2**: 560–88.—**Tafuri, G.** Le reazioni di flocculazione nella diagnosi della sifilide; risultati e deduzioni sulla Wassermann e Meinicke II. Gior. med. mil., 1938, **86**: 1309–15.—**Teleman, M., & Roșca, D.** Rezultate comparative ale reacțiilor de floculație (S.-Witebsky) și deviere a complimentului în sifilis în legătură cu clinica. Rev. san. mil., Bucur., 1937, **36**: 755–60.

—— Serodiagnosis: Methods—Kahn test.

United States. Veterans' Bureau. Medical Service. Clinical bulletin No. 18: Standardization of laboratory work in hospitals and regional offices; Kahn test for syphilis. 14 l. 27cm. Wash., 1927.

Coêlho de Almeida, A. Reações de Kahn e hemótipos. Rev. med. mil., Rio, 1945, **34**: 399–402.—**Espinoas Bernal, G.** La reacción de Kahn, su utilidad en el Ejército. Mem. Convenc., méd. mil. mex., 1936, 314.—**Grau, M. L.** Confirmatory procedure in the Kahn precipitation test for syphilis. Med. Bull. Veterans Admin., 1939–40, **16**: 257.—**Kahn** test reading light. Bull. U. S. Army M. Dep., 1945, No. 88, **11**.—**McCants, J. M.** The clinical application of the Kahn reaction in the United States Navy. U. S. Nav. M. Bull., 1932, **30**: 502 &c.—**Piazza, G.** La siero-reazione di Kahn nella sifilide. Gior. med. mil., 1932, **80**: 490–512.—**Redlerówna, E.** [Serodiagnosis by Kahn's method, modified by Barbonneix, Boucher and Choay] Lek. wojsk., 1926, 8: 452–6.—**Rodríguez González, O., & García Alfonso, J.** La reacción presuntiva de Kahn en el diagnostico de la sífilis. Rev. san. mil., Habana, 1942, **6**: 293–307.—**Rohow, F. M.** Eight years with the Kahn test. Mil. Surgeon, 1934, **74**: 180. Also U. S. Nav. M. Bull., 1934, **32**: 189–91.—**Schwartz, S. C.** The Kahn test in the United States Army. Mil. Surgeon, 1933, **72**: 440–51.—**Winder, A. S. M., & Michael, N. A.** The Kahn test in India; a comparison with the Wassermann reaction on 1,000 cases. J. R. Army M. Corps, 1926, **46**: 414–6.

—— Serodiagnosis: Methods—Wassermann test.

See Wassermann test.

—— Serology.

See also subheading (Epidemiology)

United States. Veterans Administration. Technical bulletin TB 10A–40: Designation of laboratory for preparation of standardized antigens and anti-sheep amboceptor [1] p. 27cm. Wash., 1947.

Butler, C. S. Immunity in syphilis. U. S. Nav. M. Bull., 1937, **35**: 173–6.—**Gardner, L. L.** The problem of serological fastness. Army M. Bull., 1939, **48**: 37–40.—**Levine, B. S.** The effect of inactivation of serum on the luetic antibody. U. S. Veterans Bur. M. Bull., 1929, **5**: 353–9.

—— Sources.

Heller, J. R., jr. Wartime changes in the age distribution of females infected with syphilis. Am. J. Pub. Health, 1946, **36**: 501–9.

—— Surgical aspect.

Mikhajlov, N. N. Об операциях у сифилитиков. p.96–156. 23½cm. S. Peterb., 1898.
Voen. med. J., S. Peterb., 1898, **193**: Med. spec. pt.

—— Third stage.

Andereya. Zur tertiären Syphilis im Nasenrachenraum. Deut. mil. ärztl. Zschr., 1908, **37**: 700–5.—**Camelin, Verrier & Bréaud.** Splénomégalie syphilitique scléro-gommeuse isolée. Bull. Soc. méd. mil. fr., 1948, **42**: 87–9.—**Cander, R. A.** Redkij slučaj tretičnago sifilisa, lečennyj 914. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 632–5.—**Pastor, J.** Sífilis del mediastino. Rev. san. mil., Madr., 1926, 3 ser., **16**: 78–81.—**Tițescu, V.** [Case syphilitic mediastinitis] Rev. san. mil., Bucur., 1934, **33**: 245–8.—**Wszelaki, S.** [Mediastinal syndrome and syphilis of the mediastinum] Lek. wojsk., 1930. **16**: 341–64.

—— Transmission.

See also subheading (Chancre; Epidemiology)

Burhan Urus & Tacettin [Cases of chancre observed in three patients, and contracted from the same source] Askeri sihhiye mecmuası, 1935, **64**: No. 12, 34–6.—**Jame, L.** A propos d'un petit foyer de syphilis. Bull. Soc. méd. mil. fr., 1935, **29**: 366–8.—**Maxwell, J. D.** Extra-genital transmission of syphilis; case report. Mil. Surgeon, 1945, **97**: 505.—**Sadovsky, V. A.** Slučaj zaraženija sifilisom vsledstvii udara po zubam sifilitika. Voen. med. J., S. Peterb., 1913, **236**: Med. spec. pt, 96–101.

—— Treatment.

Germany. Heer. Sanitätsinspektion. Richtlinien für Behandlung der Lues und Erteilen der Heiratserlaubnis nach Lues [new print] 8p. 22cm. Berl., 1941.

United States. Veterans Administration. Technical bulletin TB 10–24: The management of syphilis. 9p. 27cm. Wash., 1947. Also Change 1 [1] p. 27cm. Wash., 1948.

United States. War Department. Technical bulletin TB MED 3: W. D., M. D. Form No. 78a (Patient's record of syphilis treatment) 1p. 26cm. Wash., 1944.

—— Technical bulletin TB MED 198: Management of syphilis. 7p. 26cm. Wash., 1945. Also Change 1. 2p. 26cm. Wash., 1946.

Arias Schreiber, L. Tratamiento en el medio militar de la sífilis adquirida. Rev. san. mil., Lima, 1940, **13**: 95–101.—**Baldi, A.** Le moderne cure della sifilide. Ann. med. nav., Roma, 1927, **2**: 178–94.—**Ballin & Engwer.** Lässt sich die Luesbehandlung der Kriegsteilnehmer den therapeutischen Prinzipien des Friedens näher bringen? Münch. med. Wschr., 1917, **64**: 58.—**Barker, P. P., & Callis, H. A.** The treatment of syphilis. U. S. Veterans Bur. M. Bull., 1929, **5**: 936–46.—**Black, F. G. H. R.** Routine adopted in the recording of syphilis cases in the V. D. department, R. N. barracks, Portsmouth, J. R. Nav. M. Serv., 1932, **18**: 268–75.—**Boldt, A.** Grundsätzliches zur Betreuung Lueskranker durch den Truppenarzt. Deut. Militärarzt, 1942, **7**: 743–7.—**Cabello, J. A.** El tratamiento de la sífilis reciente en el extranjero; breves consideraciones. Rev. pub. nav., B. Air., 1948, **1**: 578–82.—**Cooley, E. E.** Notes on the diagnosis and treatment of early syphilis. Army M. Bull., 1938, No. 43, 22–46. —— The treatment of syphilis. Ibid., No. 45, 54–5.—**Cooperative** clinical studies in the treatment of syphilis; standard treatment procedure in early syphilis. Ibid., No. 43, 3–21.—**Criteria** of satisfactory result of six-month examination of patients treated for syphilis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 43.—**Des Roseaux, J.** A propos du traitement de la syphilis récente. Bull. Soc. méd. mil. fr., 1949, **43**: 29.—**Duty** (Our) to syphilitic patients. U. S. Nav. M. Bull., 1917, **11**: 355–8.—**Ekblad, G. H.** A plea for adequate antisyphilitic treatment. Ibid., 1934, **32**: 506–13. —— Treatment requirements of early syphilis after negative serology is established. Ibid., 1941, **39**: 543–8.—**Esquirer, Lestideau & Escartefigue.** Le traitement de la syphilis doit être continu. Arch. méd. pharm. nav., 1931, **121**: 353–7.—**Esteve.** Traitement des syphilis de guerre. Gaz. méd. Paris, 1916, **87**: 114.—**Feiner, J.** Treatment of the early stage of syphilis in Army patients. Lek. wojsk., 1942, **34**: 290–305.—**Ferloni, A. V. J.** Glosas y normas para actualizar un tratamiento antiluético patrón. Rev. san. mil. argent., 1947, **46**: 413–35.—**Hicks, W. K.** The treatment of syphilis. U. S. Nav. M. Bull., 1930, **28**: 345–9.—**Hull, H. R. B.** Some remarks on the treatment of syphilis. J. R. Nav. M. Serv., 1929, **15**: 186–97.—**Jensen, H. L., & Wheelis, J. M.,** jr. Should we standardize the treatment of early syphilis? U. S. Nav. M. Bull., 1934, **32**: 430–41, 2pl.—**Longhin, S.** Tratamentul sifilisului. Rev. san. mil., Bucur., 1936, **35**: 776–87.—**Maciel, H., & Campos Martins, R.** Considerações sobre a terapêutica da sífilis. Rev. med. mil., Rio, 1940, **29**: 371–85.—**Maimone, D.** Note sulla cura della sifilide. Gior. med. mil., 1934, **82**: 493–7.—**Management** of syphilis. War Dep. Techn. Bull., 1945, No. 198, 1–7. Also Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 7, 14–20.—**Montanaro, E.** Contributo alla terapia ospedaliera della infezione luetica in campo di medicina militare. Ann. med. nav., Roma, 1947, **52**: 75–86.—**Onsalo, B.** Algunas nociones prácticas sobre el tratamiento actual de la sífilis. Rev. san. mil., Madr., 1912, 3. ser., **2**: 629–33.—**Oprescu, D.** Importanța noilor conceptii și aplicarea tratamentului specific la militari cât mai aproape de aparitia sifilomului. Rev. san. mil., Bucur., 1936, **35**: 726–31.—**Pardo Castelló, V.** Estado actual del tratamiento de la sífilis. Bol. Hosp. milit., Habana, 1949, **2**: 37–50.—**Pasini, A.** Le attuali direttive nella terapia della sifilide. Gior. med. mil., 1933, **81**: 472–7.—**Reasoner, M. A.** Some general information concerning the diagnosis and treatment of syphilis. Mil. Surgeon, 1916, **39**: 253–64.—**Revised** treatment schedules for syphilis. Bull. U. S. Army M. Dep., 1946, **5**: 611.—**Schreus.** Erfahrungen bei der Behandlung der Lues. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 62–4. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 67–9.—**Souza Jobim, A. de.** Da importância do tratamento da sífilis. An. Hosp. centr. exerc., Rio, 1944, **9**: 119–30.—**Strempel, R.** Grundsätzliches zur Behandlung der erworbenen Syphilis. Veröff. Heer. San., 1938, H. 105, 563–8.—**Sulzberger, M. B., MacClatchie, L. K., & Parsons, R. P.** Military dermatology and syphilology. Med. Clin. N. America, 1941, **25**: 1677–98.—**Syphilis,** yesterday and to-morrow. Bull. Army M. Dep., Lond., 1945, No. 47, 1.—**Systematic** recording and treatment of syphilis. U. S. Nav. M. Bull., 1914, **8**: 665–9.—**Tedeschi, N.** A proposito della terapia antisifilitica negli ospedali militari. Gior. med. mil., 1939, **87**: 527–9.—**Tommasi, L.** Concetti dottrinali e direttive pratiche nella terapia della sifilide. Ibid., 1937, **85**: 8–10.—**Treatment** (The) of syphilis; notes from the Professional Service Division, S. G. O. Army M. Bull., 1938, No. 43, 1.—**Veyre, P., & Baylet, R.** Réflexions sur le traitement de la syphilis en milieu militaire et en milieu colonial. Méd. trop., Marseille, 1949, **9**: 221–6.—**Villas-Bôas, J.** Introducção ao estudo da dermatologia e syphilographia. Rev. med. mil., Rio, 1935, **24**: 343–7.—**Vonderlehr, R. A.** Review of the treatment of syphilis. U. S. Nav. M. Bull., 1939, **37**: 213–6.—**What** treatment in early syphilis accomplishes. Army M. Bull., 1938, No. 45, 56–86.—**Willcox, R. R.** The treatment of early syphilis in the Army. J. R. Army M. Corps, 1946, **87**: 51–7.

—— Treatment: Antibiotics.

Altshuler, L., Karpinos, B. D. [et al.] Efficacy of penicillin treatment of early syphilis in the Army. Am. J. Syph., 1949, **33**: 126–38.—**Barjaktarović, N., Natošević, J., & Kijanović, M.** Lečenje mekog šankra penicillinom. Voj. san. pregl., Beogr., 1948, **5**: 445–8.—**Bauer, F. K., & Egolf, C. F.** Herxheimer syndrome following penicillin in unsuspected syphilis. Bull. U. S. Army M. Dep., 1945, **4**: 239–41.—**Boyd, G. G., Wagner, J. A., & Hewson, G. F.** Effects of subtherapeutic dose of penicillin on development of primary syphilitic lesion; report of case. U. S. Nav. M. Bull., 1944, **43**: 1034.—**Carpenter, C. C.** Failure of penicillin to prevent syphilis. Ibid., 389.—**Derzavis, J. L., & Bond, F. T.** Suppression of early syphilis by subtherapeutic dosage of penicillin; report of a case. Ibid., 1946, **46**: 259–61.—**Eames, J. W., & Archer, G. T. L.** An investigation into the possible effects of intramuscular injections of bismuth on the penicillin content of the blood serum when given concurrently with penicillin in the treatment of early syphilis. J. R. Army M. Corps, 1947, **89**: 57–65.—**Ewing, A. C., & Lane, C. R.** Serological reactions in a case of syphilis treated with penicillin. Ibid., 1945, **84**: 277.—**Farah, E.** O tratamento da sífilis pela penicilina. Rev. med. mil., Rio, 1945, **34**: 361–72.—**Follow-up** results after penicillin therapy of early syphilis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 73–5.—**Follow-up** of syphilis treated with penicillin. Field M. Bull. (Burma) 1945, **4**: 246–50.—**Gerber, S. T., Dushane, J. E., & Wingett, W. T.** Penicillin suppression of early syphilis. Air Surgeon Bull., 1945, **2**: 213.—**Hospital** status compared with ambulatory status in treatment of syphilis with penicillin. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 80.—

Jones, T. T. Commitment to treatment for syphilis by the premature administration of pencillin. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 30, 35.—**McCuskey, P. L.** Observations in the treatment and management of syphilis with penicillin. Med. Bull. Medit. Theater U. S., 1945, **3**: 60–3.—**MacKenzie, D. J.**, & **Wrong, N. M.** Some aspects of penicillin therapy in early syphilis. J. Canad. M. Serv., 1945–46, **3**: 205–9.—**Norcross, B. M.** Observations on the treatment of early syphilis with penciillin. Med. Bull. North Afr. Theater U. S., 1944, **2**: 110–7.—**Pautrier, L. M.** Quelle place la pénicilline peut-elle prendre à l'heure actuelle dans le traitement de la syphilis? Arch. Serv. san. Armée belge, 1946, **99**: 365–8.—**Penicillin** therapy of early and latent syphilis. Bumed News Lett., Wash., 1944, **4**: No. 8, 26.—**Penicillin** treatment of syphilis. War Dep. Techn. Bull., 1944, No. 106, 1–5.—**Penicillin** in the treatment of syphilis; an abstract. Med. Bull. North Afr. Theater U. S., 1944, **2**: 83–5.—**Preliminary** assessment of penicillin treatment for syphilis. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 278–80.—**Rácz, I., Somos, E.** [et al.] Syphilises gummák localis penicillin kezeléséről. Honvédorvos, 1950, **2**: 433–7, illust.—**Ricchiuti, J. F.** Penicillin therapy in gonorrhea with associated undiagnosed early syphilis. U. S. Nav. M. Bull., 1944, **43**: 1031–3.—**Rubin, L. C.** Syphilitic reinfection after treatment with penicillin. Ibid., 1946, **46**: 1606.—**Shea, J. J.** Penicillin-resistant case of primary syphilis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 5, 40–2.—**Situação** da penicilina no tratamento da sífilis, 1. de Dezembro de 1947 (transl.) Arq. brasil. med. nav., 1948, **9**: 1329–52.—**Status** of penicillin treatment of early syphilis. Bull. U. S. Army M. Dep., 1946, **5**: 1.—**Sternberg, T. H.**, & **Leifer, W.** An evaluation of the Army penicillin schedule in 1,107 patients with early syphilis. Meet. Penicillin Invest., 1946, 72–5.—**Synergistic** action of penicillin and mapharsen in experimental syphilis. Bumed News Lett., Wash., 1945, **5**: No. 4, 14.—**Thomas, E. W.** Rassegna generale sul trattamento della sifilide con la penicillina. Ann. med. nav., Roma, 1949, **54**: 475–82.—**Willcox, R. R.** The treatment of early syphilis with penicillin in the British Army. Meet. Penicillin Invest., 1946, 156–62. ——— The toxic effects of ten daily injections of mapharside combined with penicillin in the treatment of early syphilis. J. R. Army M. Corps, 1947, **89**: 49–56.

—— Treatment: Arsenicals.

Ajkay, Z. Az Ehrlich-féle oltások és a Wassermann-reactio. Honvédorvos, 1910, **23**: 49–51.—**Borščevsky, V. L.** [Use of osarsol in the Navy] Vest. vener., 1937, 603–6.—**Bureau, Y.** Les arsenones dans le traitement de la syphilis. Arch. Serv. san. Armée belge, 1946, **99**: 355–64.—**Cady & Ferrier.** Utilisation du fontarsol (2591 R. P.) dans le traitement d'attaque des syphilis primaire et secondaire. Bull. Soc. méd. mil. fr., 1945, **39**: 316–9.—**Chiapponi, Daen** [et al.] Un nouveau type de cure par le mapharsen. Ibid., 309–14.—**Chirjev, S. I.** Tabes atactica i lečenie poslesifilitičeskikh nervnykh zabolevanij rtutju i salvarsanom. Voen. med. J., S. Peterb., 1912, **234**: Med. spec. pt, 45–64.—**Conde López, M.** Resultados terapéuticos conseguidos con el primer salvarsán español en el tratamiento de la sífilis. Rev. san. mil., Madr., 1935, **25**: 142–7.—**Crow, G. B., Johnson, L. W.** [et al.] The effect of salvarsan on the average number of sick days from syphilis. U. S. Nav. M. Bull., 1912, **6**: 581–3.—**De Napoli, F.** I primi casi di sifilide curati col 606 (salvarsan) nell'Ospedale militare principale di Bologna durante l'anno 1911. Gior. med. mil., 1912, **60**: 505–33.—**Dudding, J. S.** Kharsivan in the treatment of syphilis. J. R. Nav. M. Serv., 1916, **2**: 164–8.—**Fernet, P.** Syphilis; traitement mixte arseno-bismuthique ou traitement bismuthique seul? Arch. Serv. san. Armée belge, 1946, **99**: 347–54.—**Fox, J. S.** Prophylaxis of syphilis and practical points on its treatment by salvarsan. Mil. Surgeon, 1913, **32**: 91–7.—**Frost, A. T.** The treatment of syphilis at the Royal Infirmary, Dublin, by intravenous injections of salvarsan. J. R. Army M. Corps, 1912, **18**: 386–99.—**Gibbard, T. W.**, & **Harrison, L. W.** The treatment of syphilis with salvarsan. Ibid., 1914, **23**: 397–409. ——— & **Cane, A. S.** Salvarsan and neosalvarsan in the treatment of syphilis. Ibid., 1912, **19**: 291–306.—**Inkson, E. T.**, & **Nelson, J. J. H.** Salvarsan in the treatment of syphilis. Ibid., **18**: 681–6.—**Karshin, A. A.** [Data on the value of salvarsan] Voen. med. J., Petrogr., 1914, **241**: Med. spec. pt, 698–712.—**Kerr, W. M.** Salvarsan in syphilis, leprosy and yaws. U. S. Nav. M. Bull., 1912, **6**: 240–2.—**Khodžajanc, M. A.** Salvarsan i ego primenenie v Kazanskom voennom hospitale. Voen. med. J., S. Peterb., 1912, **234**: Med. spec. pt, 289–310.—**Lane, J. E.** The war and syphilis. Lancet, Lond., 1915, **1**: 724.—**Markov, N. N.** K voprosu o vlijanii salvarsana na sifilitičeskij process. Voen. med. J., S. Peterb., 1913, **237**: Med. spec. pt, 457–9.—**Massive** arsenotherapy of syphilis. Bull. Army M. Dep., Lond., 1942, No. 17, 7. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 61.—**Moldovan, J.** Ergebnisse der Salvarsantherapie leutischer Erkrankungen im österreichisch-ungarischen Heere. Mil. med. & ärztl. Kriegswiss., Wien, 1914, 541–4.—**Moreno, A.** Tratamiento de la sífilis con Neospirol. Rev. san. mil., Madr., 1935, **25**: 411–21.—**Noronha, H. de.** A proposito do novarsenobenzol Billon. Bol. Soc. med. cir. mil., Rio, 1917–18, **3**: No. 3, 51–4.—**Olea, G.** Una falsificación del novarsenobenzol Billón. Rev. san. mil., Madr., 1919, 3. ser., **9**: 32–4.—**Parsons, R. P.** An estimate of arsenoxide (mapharsen) in the treatment of early syphilis. U. S. Nav. M. Bull., 1937, **35**: 207–19.—**Riedy do Nascimento e Silva, F.** Comentários sôbre a tolerância dos arsencais no tratamento da sífilis. Arq. brasil. med. nav., 1944, **5**: 611–32.—**Scoccia, V.** Per un più largo uso del salvarsan e neosalvarsan nei nostri sifilitici. Ann. med. nav., Roma, 1915, **1**: 159–62.—**Severi, L.** Il salvarsan nella cura della sifilide. Gior. med. mil., 1913, **61**: 713–9.—**Sleight, R. D.** Ocular contraindications in the arsenical treatment of syphilis. U. S. Veterans Bur. M. Bull., 1929, **5**: 765–7.—**Sotelo, M.** Algunas reflexiones después de aplicar en esta clinica el salvarsan, durante un año en el tratamiento de la sífilis. Rev. san. mil., Madr., 1912, 3. ser., **2**: 729–33.—**Spiethoff, B.**, & **Zieler, K.** Zur Salvarsanbehandlung im Kriege. Deut. med. Wschr., 1942, **68**: 1175. Also Münch. med. Wschr., 1942, **89**: 1025.—**Stalnaker, P. R.** Sulpharsphenamine; a clinical report. U. S. Nav. M. Bull., 1930, **28**: 78–81.—**Uglov, V. A.** K voprosu o lečenii sifilisa preparatom 606. Voen. med. J., S. Peterb., 1912, **235**: Med. spec. pt, 126–35.—**Vennin.** Traitement de la syphilis par le salvarsan. Bull. Soc. méd. mil. fr., 1912, **6**: 209–13. ——— Syphilis et arseno-benzol. Ibid., 1913, **7**: 253–5.—**Willcox, R. R.** The effects of mapharside on the white cell count of early syphilis. J. R. Army M. Corps, 1948, **91**: 96–100.

—— Treatment: Bismuth.

Binar, J. [Treatment of syphilis with bijonin and spirobismol] Voj. zdrav. listy, 1926, **2**: 2–4.—**Cordero Soroa, A.** El bismuto en el tratamiento de la sífilis. Med. & cir. guerra, 1946, **8**: No. 13, 31–43.—**McClintock, E. A.** Sobisminol mass in the treatment of syphilis. Med. Bull. Veterans Admin., 1940–41, **17**: 129–32.—**Middlestadt, C. D.** The Wassermann reaction following the use of bismuth in the treatment of yaws and syphilis. U. S. Nav. M. Bull., 1927, **25**: 315–8.—**Negreanu, A.**, & **Teodosiu, T.** Contribuţiuni la tratamentul sifilisului cu medobis. Rev. san. mil., Bucur., 1936, **35**: 754–6.—**Pantić, M.** [Results in treatment of syphilis with Biazau] Voj. san. glasnik, 1930, **1**: 235–49.—**Pauron.** Le bismuth dans le traitement de la syphilis. Arch. méd. pharm. mil., 1923, **78**: 174–89.—**Picon.** De l'utilisation du bismuth en pharmacie comme agent antisyphilitique. Rev. san. mil., Bucur., 1936, **35**: 851–7.—**Savinetti, A.** La terapia bismutica nell'esercito. Gior. med. mil., 1926, **74**: 151–6.—**Toms, R. E.**, & **Bowen, U. S.** The use of bismarsen in Wassermann-fast syphilis. Med. Bull. Veterans Admin., 1941–42, **18**: 43–5.

—— Treatment: Fever.

Sieńko, K. [Malaria therapy in syphilis] Lek. wojsk., 1932, **19**: 318–35.—**Wilson, W. L.** Clinical use of fever in the treatment of syphilis. Mil. Surgeon, 1933, **72**: 292–6.

—— Treatment: Methods.

Carlucci, R. L'uso del neojacol nella terapia della sifilide. Gior. med. mil., 1926, **74**: 141–3.—**Chabardès, J. L.** Notions récentes sur le traitement de la syphilis; traitement du début de la syphilis; traitement des syphilis nerveuse et cardiovasculaire. Arch. méd. pharm. mil., 1929, **91**: 295–330.—**Dalimier & Debat.** Traitement des accidents syphilitiques chez les combattants, par les cures arseno-mercurielles surintensives et brèves. Bull. Acad. méd., Par., 1915, 3. ser., **74**: 90–3.—**Eaton, W. E.** Treatment of luetics in the destroyers of the Battle Force. U. S. Nav. M. Bull., 1940, **38**: 164–8.—**Ferloni, A. V. J.** Tratamiento antiluético obstaculizado por una scpsis focal amigdalina; relato casuístico. Rev. san. mil., B. Air., 1943, **42**: 662–4. ——— Tratamiento antiluético obstaculizado por una poliparasitosis intestinal. Rev. san. mil. argent., 1948, **47**: 111–3. ——— Sinopsis de 48 sistemas de tratamiento antiluético; como proceder en sífilis? Ibid., 415–30. ——— & **Ríos, R. A.** Nuevo caso de tratamiento antiluético obstaculizado por una sepsis amigdalina; relato casuístico. Rev. san. mil., B. Air., 1946, **45**: 1174–7.—**Greco, A. J.** The modern treatment of syphilis. Mil. Surgeon, 1940, **87**: 119–26.—**Johnson, C. E.** Conduct of a centralized antiluetic clinic. Med. Bull. Veterans Admin., 1942–43, **19**: 22–31.—**Kemal** [Pyrogen in the treatment of syphilis of the skin] Askerî sıhhiye mecmuası, 1934, **63**: 93–100.—**Kimbrough, J. W.** Sodium thiosulphate in the treatment of syphilis. U. S. Nav. M. Bull., 1928, **26**: 344–9.—**Křeček, J.** Moderní methody léčení příjice. Voj. zdrav. listy, 1948, **17**: 58.—**Lapière, S.** Le traitement de la syphilis à la clinique dermatologique de l'Université de Liége. Arch. Serv. san. Armée belge, 1946, **99**: 373–5.—**Lefèvre, P.** Quelques remarques à propos du traitement de la syphilis. Ibid., 370–2.—**Majewski, T.** Erfolge der Syphilisbehandlung mit Merlusan im k. u. k. Garnisonspital nr. 14 in Lemberg. Militärarzt, Wien, 1914, **48**: 182–92.—**New** method of handling cases of syphilis. Army M. Bull., 1935, No. 33, 37–9.—**Parsons, R. P.** Some trends in syphilis. U. S. Nav. M. Bull., 1940, **38**: 168–72.—**Sakurai, T.** Hoffman-si kyoku-ryō kubai-ryōhō no kan-kinō, sekkekkyū, zin-kinō, narabi-ni sinkei-kei ni tai-suru eikyō, oyobi gai-ryōhō no kōka ni tuite [Ueber den Einfluss der sogenannten E. Hoffmannschen Maximalbehandlung bei Frühluetikern auf Leber- und Nierenfunktion, Leukozyten und Nervensystem, und ihren Heilerfolg] Hihuka seibyōka zassi, 1936, **39**: 174–213.—**Sánchez Cosido, J.** Tratamiento actual de la lúes; neo, arsenóxidos, penicilina? Med. & cir. guerra, 1949, **11**: 315–25.—**Simons, R. D. G. Ph.** [Swift anti-syphilitic military and harbour cures] Geneesk. tschr. Ned. Indië, 1940, **80**: 2245–60.—**Sokolov, R. A.** Experiences with a rapid therapy of syphilis during World War II. Harper Hosp. Bull., Detr., 1946, **4**: 174–7.—**Tedeschi, N.** Il salbiolo nella cura della sifilide. Gior. med. mil., 1926, **74**: 144–9.—

Treatment of syphilis [one day and other massive dose treatments] Mil. Surgeon, 1942, **91**: 599–603.—**Walker, A. T.,** & **Flower, C. F.** Sodium thiosulphate in the treatment of syphilis. U. S. Nav. M. Bull., 1930, **28**: 569–78.—**Zeve, H. S.** Modified intensive method for treatment of primary and secondary syphilis. Ibid., 1944, **43**: 429–32.

—— Treatment: Untoward effects.

Alonso Pérez, M. Accidentes de la terapéutica antisifilítica. Rev. san. mil., Habana, 1937, **1**: 85–94.—**Fowler, W.** The early diagnosis of infective hepatitis in syphilitic patients undergoing arsenical therapy. J. R. Army M. Corps, 1948, **91**: 80.—**Gottron.** Erfahrungen bei der Luesbehandlung auf Grund der neuen Richtlinien, Salvarsanschäden, Todesfälle usw. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 64.—**Iliescu, C. P., & Ionescu, E. C.** Icterele sifilitice şi icterele apărute in timpul sau după tratamentul specific. Rev. san. mil., Bucur., 1936, **35**: 693–703.—**Le Roch & Talon.** A propos d'un cas de poly-intolérance au traitement anti-syphilitique, avec érythrodermie exfoliante généralisée. Bull. Soc. méd. mil. fr., 1936, **30**: 70–5.—**Paraipan, C.** Asupra accidentelor oculare datorite compusilor arsenicului pentavalent. Rev. san. mil., Bucur., 1936, **35**: 764–7.—**S., W. H.** Treatment of arsenical reactions arising in arsenotherapy of syphilis. Bumed News Lett., Wash., 1944, **3**: No. 10, 7.—**Toxic** reactions in the treatment of syphilis in the United States Navy in 1946. U. S. Nav. M. Bull., 1947, **47**: 1095–101.—**Wells, H. G., & Sewell, S. A.** Albuminuria in the treatment of syphilis in the tropics. J. R. Nav. M. Serv., 1941, **27**: 389–91.—**Winter, H. G.** Two rare toxic manifestations due to treatment of syphilis with organic arsenic preparations. J. R. Army M. Corps, 1940, **74**: 161–6.

—— Urogenital system.

See also subheading (Chancre)

Atamal, S., & Sen, I. [Case of syphilis of the urinary bladder] Askerî sıhhiye mecmuası, 1938, **67**: 59–62.—**Cejtlin, V. N.** Slućaj sifilitićeskago nefrita. Voen. med. J., S. Peterb., 1904, **2**: Med. spec. pt, 604–7.—**Cokely, H. J.** Syphilitic epididymitis. U. S. Nav. M. Bull., 1942, **40**: 139–43.—**Dubau & Bolot.** Un cas de syphilis du testicule à debut épididymaire. Bull. Soc. méd. mil. fr., 1939, **33**: 363–6.—**Vasiljev, A. I.** [Syphilis in urology] Tr. Acad. mil. méd. Kiroff, 1934, **1**: 285–302.

—— by countries.

Ferrabouc, O. L. J. P. Essai de revue générale sur la syphilis dans les armées et sa prophylaxie. p.531–601. 24½cm. Par., 1935.
Arch. méd. pharm. mil., 1935, **102**:

Arias, O. Tratamiento de la sífilis temprana en el Ejército mexicano. Sugestiones, Méx., 1945–46, **11**: No. 126, 70–3.—**Bruni, N.** E la sifilide in aumento negli eserciti? studi e considerazioni relativi all'andamento epidemiologico della sifilide fra le truppe di terra e di mare nelle varie nazioni. Gior. med. mil., 1934, **82**: 785–814.—**Deak, A.** [Treatment of syphilis in the Jugoslavian Army] Voj. san. glasnik, 1931, **2**: 134–6.—**Europe;** rapid increase in syphilis during war. J. Social Hyg., 1946, **32**: 112–4.—**González Peris, G., Pérez, M. A.** [et al.] Prevalencia de la sifilis en Cuba. Rev. san. mil., Habana, 1942, **6**: 71–83.—**Nicastro, A.** Danni demografici ed economici da sifilide, rilevati dai documenti della R. clinica dermosifilopatica di Palermo dal 1931 al 1935. Gior. med. mil., 1937, **85**: 1105–10.—**Palmieri, V. M.** La sifilide negli eserciti del dopoguerra. Riforma med., 1934, **50**: 1959.—**Syphilis** (La) aux armées. Chron. méd., Par., 1918, **25**: 17.—**Utiyama, T.** Senzi-ka seisōnen no baidoku rikan zyōtai ni tuite no iti tyōsa seiseki [Results of investigation of syphilitic infection among young men during the war time] Kōsei kagaku, 1947, **6**: 38.

—— by countries: Austria.

Arzt, L. Die Syphilis ein gegenwärtiges und zukünftiges Kriegserbe Oesterreichs. Tagungsber. Oesterr. Aerztet. (1947) 1948, 1. Congr., 239–59.

—— by countries: Morocco.

Escobar, J. La sífilis en los indígenas del Yebala; contribución al estudio de la patología de nuestra zona de protectorado en Marruecos. Rev. san. mil., Madr., 1922, **12**: 349; 375.—**Pouponneau.** Le traitement du lechba contre la syphilis chez les indigènes marocains. Arch. méd. pharm. nav., 1920, **109**: 468–70.

—— by countries: Puerto Rico.

Costa Mandry, O., & Janer, J. L. Studies on syphilis in Puerto Rico; survey based on the results of flocculation tests among 19,395 selectees and volunteers during the year 1941. Puerto Rico J. Pub. Health, 1943–44, **19**: 483–501.

—— by countries: United States.

United States. Public Health Service. Results of serological blood tests for syphilis on Selective Service registrants, based on the second million reports received during the period April 16, 1941 to August 31, 1941, for registrants examined in accordance with the provisions of the Selective Training and Service Act of 1940. 428p. 26cm. Wash., 1942.

Blount, R. E. Incidence of syphilis in 5,000 recruits and casual soldiers. Mil. Surgeon, 1939, **84**: 40–5.—**Card, D. P.** Syphilitic survey. Ibid., **85**: 365–71.—**Garrett, J. B., & Smith, L. B.** The incidence of syphilis in 5,000 negro ex-service men. Med. Bull. Veterans Admin., 1932, **8**: 38–42, pl.—**Gill, D. G., Smith, W. H. Y., & Damon, S. R.** Syphilis in Alabama as revealed by a serologic survey of Selective Service registrants. Vener. Dis. Inform., 1943, **24**: 6–11.—**Prevalence** of syphilis among the first million selectees and volunteers by race and states; based on routine serologic blood tests given during general physical examinations. Pennsylvania Health, 1941–42, **2**: No. 9, 26.—**Rosenthal, T., & Sobel, N.** Syphilis in Army separatees. N. York State J. M., 1946, **46**: 2042–5.—**Syphilis** incidence. Mil. Surgeon, 1942, **91**: 711.—**Usilton, L. J.** Syphilis among civilians during World War II, January 1, 1942, through June 30, 1943. J. Vener. Dis. Inform., 1945, **26**: 263–6. ——
Bruyere, P. T., & Bruyere, M. C. The frequency of positive serologic tests for syphilis in relation to occupation and marital status among men of draft age. Ibid., 216–22.—**Vonderlehr, R. A., & Usilton, L. J.** Syphilis among men of draft age in the United States; an analysis of 1,895,778 who were examined under the Selective Training and Service Act of 1940. J. Am. M. Ass., 1942, **120**: 1369–72. —— The extent of the syphilis problem at the beginning of World War II. N. York State J. M., 1943, **43**: 1825–9.—**Wirthlin, M. R.** Syphilitic data record form. U. S. Nav. M. Bull., 1939, **37**: 253–6.—**Zellermayer, J.** Syphilis in inductees; analysis of 5,000 cases. J. Vener. Dis. Inform., 1945, **26**: 194–8.

SYPHILIS register.

Belcher, H. L. Report on the Central Syphilis Register, July 1949. J. R. Nav. M. Serv., 1949, **35**: 280–92.—**Gardner, L. L.** Notes on the syphilitic register. Army M. Bull., 1938, No. 43, 47–58.

SYRIA.

See under **World War I; World War II.**

SYRINGE.

See also **Radioisotope,** Medical use.

Great Britain. Privy Council. Medical Research Council. Committee on the Sterilization of Syringes. The sterilization, use and care of syringes. 23p. 24½cm. Lond., 1945.
Forms War Mem. No. 15, Med. Res. Counc. Gr. Britain.

Hanselman, N. K. Visual morphine syrette containers. 7p. 27cm. Dayton, 1949.
Forms No. MCREXD–698–39B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

India. Army Medical Directorate. Technical instructions No. 4: Memoranda on anaesthesia; sterilization of syringes and needles. p.4. 22cm. New Delhi, 1943.
In: Techn. Instr. M. Dir. Army India, 1943: No. 1/4.

Anderson, T. O. Protector sleeve for hypodermic syringe. U. S. Nav. M. Bull., 1944, **43**: 147–9. —— Quick-filling irrigating syringe. Ibid., 563.—**Cetner, J. A.** Practical method for application of ophthalmic ointments. Ibid., 1945, **45**: 767.—**Glucksman, D. D., & Freid, M. G.** Glass syringe as aid in application of sulphanilamide powder. Med. Bull. U. S. Chief Surg. Europe. Theatre, 1945, No. 32, 62.—**McDougald, C. H.** A handy container for sterilizing glass syringes. U. S. Nav. M. Bull., 1921, n. ser., **5**: Suppl., No. 2, 79.—**Syringe** holder for intravenous anesthesia. Air Surgeon Bull., 1945, **2**: 217.—**Window** attachment for intravenous syringes. Bull. Army M. Dep., Lond., 1943, No. 25, 5.

SYRINGOMYELIA.

See also **Spinal cord.**

Angelini, G. Siringomielia cervico-dorsale emilaterale. Gior. med. mil., 1936, **84**: 772–82.—**Casey, J. F.** Syringobulbia. Med. Bull. Veterans Admin., 1938–39, **15**: 264–9.—**Didiee.** Luxation récidivante de l'épaule chez un syringomyélique. Bull. Soc. méd. mil. fr., 1929, **23**: 65–8.—**Goodwin, O. P.** Syringomyelia. Med. Bull. Veterans Admin., 1932, **8**: 45–9.—**Herrmann, G.** Peripheres Trauma und Syringomyelie. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 603–5.—**Rasim, A.** [Nervous symptoms due to loss of blood; operative treatment of syringomyelia.] Askerî sıhhiye mecmuası, 1933, **62**: 45–54.

SYSTEMS research.

Johns Hopkins University. Systems research; Project designation No. NR-784-001, Contract N5-ori-166, Task Order 1; a report of research under contract with Special Devices Center, Office of Naval Research; progress report No. 16. 20 l. 28cm. Balt., 1949.

Lindes, D. Theory of linked systems. 14p. 27cm. Dayton, 1949.
Forms No. MCREXD-696-1121, Memo. Rep. Aero M. Laborat. U. S. Air Force.

TABANUS.

See also **Fly.**

Frings, H. W., & O'Neal, B. R. The location and thresholds of the contact chemoreceptors of the female horsefly, Tabanus sulcifrons Macq. 17p. 27cm. Edgewood Arsenal, 1946.
Forms Rep. No. 74, Med. Div. Chem. Warfare Serv. U. S. Army.

TABARDILLO.

See **Rickettsiasis,** murine.

TABES.

See also **Neurosyphilis.**

Gordon, M. M. [Pupillary reaction in tabes dorsalis] p.121-73. 24½cm. Leningr., 1936.
Tr. Acad. mil. méd. Kiroff, 1936, **6:**

Tornero, J. *Die Tabes im Kriege und die Edingersche Aufbrauchtheorie. 31p. 8° Berl., 1916.

Blackwood, N. J. Record of a case of supposed locomotor ataxia, with interesting points in diagnosis. U. S. Nav. M. Bull., 1907, **1:** 154-6.—**Eames, J. W.** Tabes dorsalis, aortic aneurism, and cutaneous syphilis presenting in the same patient. J. R. Army M. Corps, 1947, **89:** 301-3.—**Lacal, F.** Diagnóstico preclínico del tabes; importancia del examen cistoscópico. Rev. san. mil. argent., 1947, **46:** 209-11.—**Rodrigues Leivas, F. P., & Almeida Guimarães, A.** Um caso de tabes combinada. Rev. med. mil., Rio, 1944, **33:** 395-9.

TABLE.

See **Dental equipment; Fracture table; Operating table; Orthopedic table; Radiology,** Apparatus.

TABLET.

Morita, K. Zyōzai no hōkai-sei to situdo to no kankei ni tuite [The relation between the way tablets crumble and the amount of moisture in them] Gun idan zassi, 1928, 1563-75.—**Penk, T.** [Methods in the production of medicaments in tablet form] Lek. wojsk., 1935, **26:** 692-701.—**Rapčevsky, I. F.** O kačeste izgotovljaemykh aptečnym otdelom Zavoda voennovračebnykh zagotovlenij spressovannykh v vide tablet medikamentov. Voen. med. J., S. Peterb., 1908, **222:** Med. spec. pt, 195; 395.—**Seel, E.** Ueber Arzneitabletten. Militärarzt, Wien, 1906, **40:** 204-9.—**Tal, R. I.** Izsledovanie spressovannykh lekarstvennykh tablet. Voen. med. J., S. Peterb., 1908, **222:** Med. spec. pt, 577; **223:** Med. spec. pt, 1.—**Thomann, J.** Los medícamentos comprimidos, especialmente desde el punto de vista de su comprobación y de su estabilidad. Bol. farm. mil., Madr., 1931, **9:** 161-80.

TACHYCARDIA.

See **Heart,** Tachycardia.

TACTICS.

See also subheadings of **Chemical warfare** (Defense, tactical; Tactics) **Division,** infantry; **Gas warfare** subheadings (Defense, tactical; Organization; Tactics) **Hospital service,** Tactical aspect; **Hospital ship,** Tactical employment; **Psychological warfare; Science** [military] **Strategy; Surgery,** Tactical aspects; also **Battlefield,** Medical tactics.

—— medical.

Almeida Fernandes, A. de. Elementos de táctica geral. p.16-72. 24½cm. Lisb., 1945.
Bol. Dir. serv. saúde mil., 1945, **8:**

Blech, G. M., & Lynch, C. Medical tactics and logistics. 205p. 8° Springf., 1934.

Potiralovsky, P. P. Kratkij kurs sanitarnoj taktiki; ćast propedevtićeskaja. 336p. 8° Moskva, 1911.

Spire, C., & Lombardy, P. Précis d'organisation et de fonctionnement du service de santé en temps de guerre; principes de tactique sanitaire. 4. éd. 488p. 8° Par., 1937.

Steiner, J. Ueber die neuere Literatur auf dem Gebiete der Sanitätstaktik. 12p. 8° Berl., 1902.

United States. War Department. Philippine Division. Practical problems in sanitary tactics, war game of the Austrian Army, 1905 & 1906. MS. 29p. fol. n. p., 1908.

Anderson, J. B. Trooping season, 1913-14, a few notes. J. R. Army M. Corps, 1913, **21:** 462-6.—**Arteaga Pastor, F.** Apunte histórico sobre táctica sanitaria. Med. & cir. guerra, 1946, **8:** No. 19, 5-22.—**Beltzer, H.** Trains sanitaires à création instantanée. Gaz. méd. Paris, 1915, **86:** 73-5.—**Casabianca.** Tactique sanitaire aux armées en période de fluctuations rapides du front de combat. J. méd. Bordeaux, 1934, **111:** 56-61.—**Choux.** Tactique du service de santé. Caducée, Par., 1902, **2:** 113-6.—**Courville, C. B.** Medical tactics. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 226-35.—**Dowse, J. C. A.** A concept of some of the principles involved in the tactical employment of forward medical units. J. R. Army M. Corps, 1949, **93:** 168-86.—**Gerard, B. E. M.** Thème tactique; synthèse des thèmes présentés. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 175-92.—**Gergovich, W.** [Effect of tactical factors on utilization of infantry sanitation] Lek. wojsk., 1938, **31:** 718-62.—**Herrmann, V.** Die österreich-ungarischen Grenzgebiete in sanitätstaktischer Beziehung; die österreich-italienischen Grenzgebiete. Militärarzt, Wien, 1912, **46:** 281-90. ——— Die österreichisch-italienischen Grenzgebiete in sanitätstaktischer Beziehung. Ibid., 1915, **49:** 209-18.—**Karlik, A. M.** [Tactics of the Medical Corps during military operations] Feldsher, Moskva, 1941, No. 11, 26-8.—**Krichevsky, J., Andreev, F., & Komissarov, M.** Sanitarnaja taktika. In: Encikl. slovar voen. med., Moskva, 1946-48, **4:** 1331-45.—**Layton, T. B.** Medical tactics in mobile warfare. J. R. Army M. Corps, 1936, **66:** 367-76.—**Leonardov, B.** Sanitarnaja taktika. In: Bolsh. med. encikl., 1934, **29:** 606-14.—**Lobo, A.** Fundamentos da tática sanitária. Rev. med. mil., Rio, 1942, **31:** 321-48.—**Pinto da Rocha & Gaspar dos Santos.** Estudos de tática sanitária. Bol. Dir. serv. saúde mil., 1943, **5:** 150-64.—**Quiroz, J. D.** Nociones elementales de táctica sanitaria. Rev. san. mil., Asunción, 1943, No. 139, 197-202.—**Ruge, O.** [Sanitary tactics of smaller divisions] Norsk tskr. mil. med., 1926, **30:** 109-41.—**Sá Macias Teixeira, L. A.** A tática sanitaria derivada da guerra de 1914-18 necessita de ser revista? Bol. Dir. serv. saúde mil., 1941, **4:** 121-45.—**Scheen, H.** [Notes of my participation in the exercises in sanitary tactics at the ninth manoeuvre of the Swedish Army in the fall of 1920] Norsk tskr. mil. med., 1921, **25:** 94-103.—**Skladkowski.** Wstęp do wykładów taktyki sanitarnej. Lek. wojsk., 1920, **1:** No. 35, 13-24.—**Sträuli, A.** Sanitätstaktik und neues Kampfverfahren. Vjschr. schweiz. Sanitätsoff., 1924, **1:** 48-52.—**Thrap-Meyer.** Direktiver for sanitetskompaniets taktiske øvelser. Norsk tskr. mil. med., 1914, **18:** 173-9.—**Trappe.** Zur sanitätstaktischen Ausbildung der Sanitätsoffiziere des Beurlaubtenstandes. Deut. med. Wschr., 1913, **39:** 1468-70.—**Wolff, L., & Hepp.** Gedanken über veterinärtaktische Uebungsreisen und veterinärtaktische Entschlüsse. Berl. tierärztl. Wschr., 1929, **45:** 245-8.—**Zaharov, V. S., & Shmatikov, M. D.** [Army medical field doctrine and sanitary tactics] Voen. san. delo, 1941, No. 8, 1-6.—**Zavalishin, N. I.** Ob organizacii sanitarno-taktićeskogo naućnogo obšćestva. Ibid., 1940, No. 5, 74-7.

—— medical: Navy.

Mann, W. L. Medical tactics in naval warfare [270]p. 23cm. Wash., 1926-27.
U. S. Nav. M. Bull., 1926, **24:** 175; 699; 1927, **25:** 20.

Andreev, F., & Komissarov, M. Sanitarnaja taktika; morskaja sanitarnaja taktika. In: Encikl. slovar voen. med., Moskva, 1946-48, **4:** 1342-4.

TAENIA.

See also **Helminthosis.**

Archer, G. T. L. Note on a case of double taenia infestation (T. solium and T. saginata) J. R. Army M. Corps, 1930, **55:** 216.—**Chandler, A. C.** The nutrition of tapeworms; the effect of relaxin extract on blood. Q. Project Summary Ofi. Nav. Res., 1948, July, 420.—**Gnezdilov, V. G.** K voprosu o glistnykh invazijakh sredi krasnoflotcev. Hig. epidem., Moskva, 1929, **8:** No. 8, 48-58. ——— Opyt massovogo obsledovanija na glistnye invazii i provedenija dehelmintizacii vo flote. Voen. med. J., Moskva, 1930, **1:** 71-9.—**Kostylev, N. N., & Blokhina, Z. A.** O rasprostranenii glist sredi selskogo naselenija Nov-

gorodskogo okruga. Ibid., No. 3, 45–53.—**Kuševlev, V.** K voprosu o vlijanii glistonositelstva na obšćee zdorovje krasnoarmejcev. Ibid., 54–67.—**Savicky, N. N.** K metodike izgnanija lentoćnykh glist. Ibid., 68.

TAG.

See **First-aid tag; Identification tag; Radiograph,** Marking.

TALUS.

See also **Foot.**

Bell, L. H. Simple dislocation of the talus without fracture; report of a case. U. S. Nav. M. Bull., 1948, **48**: 914–8.—**Cobey, M. C.** Osteochondritis dissecans of the astragalus. Mil. Surgeon, 1943, **93**: 184–6.—**Guinchard & Scarbonchi.** Un cas de luxation sous-astragalienne en arrière et en dehors. Bull. Soc. méd. mil. fr., 1949, **43**: 25.—**Michele, A. A., & Krueger, F. J.** Fractures of the posterior process of the astragalus. Mil. Surgeon, 1950, **106**: 130–4, illust.—**Schrock, R. D.** Fractures and fracture-dislocations of the astragalus. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 59–71.—**Soltysik, A.** [Management of fractures with simultaneous dislocation of the astragalus] Lek. wojsk., 1935, **26**: 481–6.—**Velasco, R. N.** Luxación subastragalina. Rev. san. mil., B. Air., 1942, **41**: 232–7.—**Zdenkovič, A.** Žlomenina talu. Voj. zdrav. listy, 1949, **18**: 158–63.

TAMPON.

See with **Surgical technic,** Drainage.

TANAHMERAH Bay.

See under **World War II.**

TANGENT screen diagnosis.

See under **Aviator,** Eye.

TANK.

See also **Ambulance,** motor; **Night vision.**

United States. Armored Medical Research Laboratory. Project No. 5: Crew fatigue research; report on Sub-Project No. 5–1: Adequate head room in tanks. 3p. 28cm. Fort Knox, 1942.

—— Project No. 5–12: Seating design and placing in relation to fatigue; seat design for M4 tanks. v. p. 28cm. Fort Knox, 1943.

—— Project No. 6: Vision in tanks; report on target designating device for transmission of intelligence between tank commander and tank gunner. v. p. 28cm. Fort Knox, 1945.

—— Project No. 23: Test of non-skid paint on tanks. 2p. 28cm. Fort Knox, 1944.

—— Project No. 41: Final report: Physiological and operational characteristics of tank T25E1. v. p. 28cm. Fort Knox, 1944.

—— Project No. 44: Final report: Physiological and operational characteristics of M–24 tank. v. p. 28cm. Fort Knox, 1944.

—— Project No. 45: First partial report: Physiological and operational characteristics of T26E3 tank. v. p. 28cm. Fort Knox, 1945.

—— Project No. 51: Manual traversing effort in tanks. v. p. 28cm. Fort Knox, 1945.

[United States] National Research Council. Committee on Industrial Medicine. Subcommittee on Armored Vehicles. Minutes of meeting. Wash., 2., 1942–
Issued in its Armored vehicles.

Kozakiewicz, M. [Physical properties of the interior of tanks] Lek. wojsk., 1938, **32**: 722–9.—**Shluger, N., & Cirelj, A.** Tanki (tank) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 438–47.

—— Gun fume.

See also subheading (Ventilation)

United States. Armored Medical Research Laboratory. Project No. 3: Toxic gases in armored vehicles; final report on Sub-Project No. 3-2: Determination of the characteristics and effects upon the crew of gun fumes from firing of the weapons in tanks of the M5 series. 3p. 28cm. Fort Knox, 1943.

—— [The same] Final report on Sub-Project No. 3–13: Determination of the characteristics and effects upon the crew of gun fumes from firing of the weapons in the M7 tank. v. p. 28cm. Fort Knox, 1943.

—— [The same] Final report on Sub-Project No. 3–15: Determination of the characteristics and effects upon the crew of gun fumes from firing of the weapons in the M4A4E1 tank. v. p. 28cm. Fort Knox, 1943.

—— Project No. 3–1, 3–5: Report on control of gun fumes in M–4 series medium tanks. v. p. 28cm. Fort Knox, 1943.

—— Project No. 3–2: Report on gun fume hazard from 37 MM gun in M5 light tank. v. p. 28cm. Fort Knox, 1943.

—— Project No. 34: Evaluation of the gun fume hazard in the LVT A–1. v. p. 28cm. Fort Knox, 1944.

—— Hazards.

See also **Carbon monoxide,** Sources and hazards; **Dust.**

United States. Armored Medical Research Laboratory. Project No. 3: Toxic gases in armored vehicles; supplemental report on Sub-Project No. 3–12: The carbon monoxide hazard from auxiliary generators in tanks. 2p. 28cm. Fort Knox, 1943.

—— Project No. 3–12: Report on carbon monoxide hazard from auxiliary generators in tanks. v. p. 28cm. Fort Knox, 1942.

—— Project No. 4: Dust exposure in armored vehicles; final report on Sub-Project No. 4–1: Determination of dust-loads and characteristics of dusts encountered in operation of armored vehicles. v. p. 28cm. Fort Knox, 1945.

—— Project No. T–7: Test of carbon monoxide hazard from engine in light tank, M24. v. p. 28cm. Fort Knox, 1945.

—— Project No. 28: Investigation of the hazard from exhaust gases in tanks that are in tow; carbon monoxide hazard from gases in tanks that are in tow. v. p. 28cm. Fort Knox, 1944.

Kruse, C. A., Carey, P. H., & Howe, D. J. Silica content of dust from tank ranges. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 1, 1–9.—**Rosenblum, D.** Shum v tankakh, ego značimost i principy borby s nim. Voen. san. delo, 1936, No. 5, 13–7.—Silica content of dust from tank ranges. Annual Rep. Armored M. Res. Laborat., 1946, App. C, 9. Also Res. Program U. S. Army M. Res. Bd, 1946, Oct., 148.

—— Illumination, and vision.

See also **Night vision,** Aids.

United States. Armored Medical Research Laboratory. Project No. 6: Vision in tanks [Partial reports (P.r.) on sub-projects (Spr.)] 7 nos. v. p. 28cm. Fort Knox, 1943–44.

CONTENTS

1. Spr. 6–1, 6–2, 6–4, Partial report: Visual requirements, characteristics and limitations of present visual devices in tanks and means for improving sighting telescopes and periscopes. 1943.
2. Spr. 6–2, P. r. 2: Study of characteristics and limitations of present visual devices in tanks. 1943.
3. Spr. 6–2, P. r. 3: ... Telescopic sights T–106–E1 and M–71–F in comparison with other tank sights. 1944.
4. Spr. 6–2, P. r. 4: ... Driver's vision in landing vehicle tractor. 1944.
5. Spr. 6–2, P. r. 5: ... Improvement in driver's vision in tanks. 1944.
6. Spr. 6–4, P. r. 2: Study of means for improving sighting telescopes; placement and mounting of sights in tanks. 1943.
7. Spr. 6–4, P. r. 3: ... Telescopic sights T–106–E1 and M–71–F in comparison with other tank sights. 1944.

Sayán Vidaurre, V. El problema de la visión en los carros. Rev. mil. Perú, 1942, **39**: 345–68. ——— El problema de la visión en los tanques. Rev. mil., La Paz, 1945, **9**: 830; passim, 1946, **10**: 254; passim.

—— Sanitation.

United States. Armored Medical Research Laboratory. Project No. 2: Operations at high temperatures; first partial report on Sub-Project No. 2–22: Determination of the amount of heat transmitted to the fighting compartment of tanks under field conditions. v. p. 28cm. Fort Knox, 1943.

—— [The same] ... Second partial report on Sub-Project No. 2–22: Determination of the amount of heat transmitted to the fighting compartment of tanks under field conditions. v. p. 28cm. Fort Knox, 1944.

—— [The same] ... First partial report on Sub-Project No. 2–24: Study of methods of reducing the heat load in tanks. v. p. 28cm. Fort Knox, 1943.

—— [The same] ... Final report on Sub-Project No. 2–28: Test of individual crew conditioning system. v. p. 28cm. Fort Knox, 1943.

—— Project No. 16: Effect of insulation of transmission and final drive upon the heat load within tanks. v. p. 28cm. Fort Knox, 1944.

Hara, K. Sensya to eisei-kōgaku [Tanks and sanitary engineering] Eisei kōgyō kyōkai si, 1943, **17:** 481–94.—**Kōno, S., & Ohmori, I.** Sensya eisei-siken dai nizi hōkoku [Second report on experiments on hygienic conditions in (military) tanks (vehicles)] Gun idan zassi, 1930, 29–36.—**Rosenblum, D.** Meroprijatija po zaśćite ekipaża bronevykh mašin ot peregrevanija i okhlaždenija. Voen. san. delo, 1936, No. 5, 5–10. ——— & **Vershinina, L.** Meroprijatija po ograničeniju postuplenija pyli v kabinu bronevoj mašiny. Ibid., 11–3.

—— Ventilation.

United States. Armored Medical Research Laboratory. Project No. 3: Toxic gases in armored vehicles [Reports on sub-project (Spr.)] 7 nos. v. p. 28cm. Fort Knox, 1942–43.

CONTENTS

1. Spr. 3–1, Suppl. rep.: Determination of the characteristics and effects upon the crew of gun fumes from firing of the weapons in tanks of the M4 series; control of gun fumes in M4 series medium tanks by positive-pressure ventilation. 1943.
2. Spr. 3–4, First part. rep.: Determination of basic ventilation characteristics of tanks of the M4 series. 1943.
3. Spr. 3–5, Suppl. rep.: Correlation of basic ventilation data with gun fume studies and development of an effective design of improvement for the control of gun fumes in the M4 tanks; control of gun fumes in M4 series medium tanks by positive-pressure ventilation. 1943.
4. Spr. 3–6, First part. rep.: Determination of basic ventilation characteristics of tanks of the M5 series. 1943.
5. Spr. 3–9, Part. rep.: Determination of the ventilation requirements for gas-proofing tanks; ventilation requirements for gas-proofing the M–5 tank. 1942.
6. Spr. 3–9, Part. rep.: ... Ventilation requirements for gas-proofing tanks of the M–4 series. 1943.
7. Spr. 3–9, Second part. rep.: Determination of ventilation requirements for gas-proofing tanks of the M4 series. 1943.

—— Project No. T–14: Discussion of ventilation requirements of armored vehicles. v. p. 28cm. Fort Knox, 1945.

—— Project No. 41: First partial report: Physiological characteristics of the T25E1–T26E1 tank; control of gun fume hazard. v. p. 28cm. Fort Knox, 1944.

—— Project No. 45: Final report: Operational and physiological characteristics of the tank T26E3 (M26) study of the proposed relocation of the 1000 cfm tank ventilating blower to the turret bulge. v. p. 28cm. Fort Knox, 1945.

Meier-Windhorst. Tanks; ventilation and air conditioning. CIOS Rep., Lond., 1945, Item 8, 24 & 27, No. XXVII–61, 33.—**Rosenblum, D., & Chirkin, M.** [Gaseous admixtures in the air of armored tank cabins; the origin and methods of elimination] Voen. san. delo, 1936, No. 5, 18–20.

TANK cargo space.

See also **Amphibious warfare; L S T.**

Houghten, F. C., Consolazio, W. V., & Pace, N. Gas masks and respirators suitable for use in Diesel engine fumes in the tank cargo space of L. S. T. ships. 4p. 26½cm. Bethesda, 1943.
Forms Rep. No. 2, Res. Proj. X–154, U. S. Nav. M. Res. Inst.

TANK casualty.

See also **Injury**—by branches: Armored forces.

United States. Army. Military Intelligence Service. Information bulletin No. 17: Removal of wounded from tanks. 26p. 20cm. Wash., 1942.

Como devem ser retirados os feridos de dentro dos tanques. Bol. Dir. serv. saúde mil., 1946, **9:** 70–84.—**Elkishek & Kondratiev, P. P.** [Injuries in tank war-fare] Ortop. travmat., Kharkhov, 1933, **7:** 8–19.—**Elliott, J. E.** Removal of casualties from a light tank. J. R. Army M. Corps, 1940, **74:** 45–9.—**Lindeman, S. J. L.** The problem of dealing with casualties in a force of armoured fighting vehicles, a plea for a pramb. Ibid., 1936, **66:** 156–62.—**Timofeevsky, P.** Prisposoblenie dlja izvlećenija iz tanketok poražennykh v boju tankistov. Voen. san. delo, 1935, No. 5, 12–5.

TANK crew.

See also **Clothing,** special; **Fatigue.**

United States. Armored Medical Research Laboratory. Project No. 6: Vision in tanks; binocular modification providing quick adjustment of interpupillary distance and diopter setting. 2p. 28cm. Fort Knox, 1945.

—— [The same] ... Partial report on Sub-Project No. 6–1: Determination of the visual requirements for various tasks in armored vehicles, spotting, gunnery, driving, etc; the advantages of using binoculars for night seeing. v. p. 28cm. Fort Knox, 1945.

—— [The same] ... Report on Sub-Project No. 6–1: Determination of the visual requirements for various tasks in armored vehicles; study of errors in range estimation with the unaided eye. v. p. 28cm. Fort Knox, 1945.

Kovalenko, D. [Food for the armored tank driver during the campaign] Voen. san. delo, 1936, No. 5, 21.—**Nass.** Die Persönlichkeit des Kampfwagenführers. Zschr. angew. Psychol., 1938, Beih. 79, 131–48.

—— Fatigue.

United States. Armored Medical Research Laboratory. Project No. 5: Crew fatigue research; sub-Project No. 5–8: Estimation of the practical significance of tank noise; effect of exposure to tank noise upon hearing acuity of tank crews. v. p. 28cm. Fort Knox, 1943.

—— [The same] ... Final report on Project No. 5–13: Appraisal of kind and degree of physical effort required of tank crews in relation to fatigue. v. p. 28cm. Fort Knox, 1945.

—— [The same] ... Sub-Project No. 5–20: Study of schedules, duration and discipline of rest periods for tank crews on long marches. v. p. 28cm. Fort Knox, 1944.

—— [The same] ... Final report on Sub-Project No. 5–32: Driver fatigue in Bendix power control tank No. 908 as compared with standard M4A2 medium tank. v. p. 28cm. Fort Knox, 1943.

—— Project No. 45: Second partial report: Operational and physiological characteristics of the tank T26E3; the physiological work rates of the driver and loader in the tank T26E3 in relation to fatigue and efficiency of performance. v. p. 28cm. Fort Knox, 1945.

Bean, W. B. Research in tank crew fatigue. Annual Rep. Armored M. Res. Laborat., 1946, App. D, No. 3, 9.—**Brandt, W.** Körperliche und seelische Beanspruchung des Tanksoldaten. Mil. Wbl., Berl., 1936, **121:** 2106.—**Talso, P. J., & Clarke, R. W.** Environmental stresses on tank crews. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 2, 8–14.—**Tank** crew fatigue in New Guinea. Mil. Rep., Wash., 1944, No. 14, 35–40.

—— **Protection.**

See also various subheadings of **Tank.**

United States. Armored Medical Research Laboratory. Project No. 17: First partial report: Protection of personnel in tanks against toxic agents. v. p. 28cm. Fort Knox, 1944.

—— Project No. 24: First partial report: Study of head protection for tank crews. v. p. 28cm. Fort Knox, 1945.

—— Project No. 35: Final report: Determination of the optimum method for protection of tank crews against chemical warfare agents. v. p. 28cm. Fort Knox, 1944.

TANK destroyer battalion.

Improvisations in tank destroyer battalion. Bull. U. S. Army M. Dep., 1945, No. 86, 41.

TANK unit.

See also **Gas poisoning,** Medical service.

Barre, C. [Medical problem in organization of medical service for the tank and motorized units] Tskr. mil. hälsov., 1939, **64:** 111–55. Also Deut. Militärarzt, 1940, **5:** 499 (Abstr.)—**Beljaev, P. D.** Medicinskoe obespečenie tankovoj brigady pri vvode ee v proryv. Voen. med. J., Moskva, 1945, April, 48.—**Muntsch, O.** Panzertruppe. In: Wehrhygiene (Handloser, S.) Berl., 1944, 410.

TANK warfare.

See also **Night vision** subheadings.

United States. Army. Medical Department Research Laboratory. Progress report ... Quartermaster Section abstract. Oct. 1943–Jan. 1944. 4 Nos. 27cm. Fort Knox, 1943–44.

—— Annual historical report. Fort Knox (1945) 1946–

Borden, D. L. Casualties and medical problems of tank warfare. Med. Ann. District of Columbia, 1943, **12:** 43–50. —— Coordinating medical problems with tank warfare. Proc. Interst. Postgrad. M. Ass. N. America (1943) 1944, 49–51.—**Burnazian, A.** [Medical-sanitary protection of the tank battalion during attacks] Voen. san. delo, 1937, 34–41.—**Ekrem Sadi Kavur.** Tank ve tank birliklerinde sihhiye hizmeti. Askerî sıhhiye mecmuası, 1945, **74:** No. 45, 1–10.—**Grey, C. G.** Tanks. In: Science Looks Ahead (Low, A. M.) Lond., 1942, 182–6.—**Kulikov, S. I.** Zabolevaemost v avtočasti v uslovijakh voennogo vremeni. Voen. san. delo, 1940, No. 10, 97.—**Some** medical problems of tank warfare. What's New, North Chic., 1943, No. 76, 2.—**Vasilijev, L.** Sanitarnoe obespečenie tankovogo soedinenija v boju. Voen. san. delo, 1940, No. 5, 12–9.

TANNIC acid.

See also **Burns,** Treatment: Local remedies.

Egorov, L. I. [Problem of using a 5% solution of tannin for disinfection of the surgeon's hands] Voen. med. J., Moskva, 1930, **1:** No. 2, 56–9.—**Osswald, F.** Erfahrungen in der Behandlung von Brandwunden mit Gerbsäure. Deut. Militärarzt, 1939, **4:** 319–22.

TANTALUM [foil and wire]

See also **Neurosurgery,** Apparatus.

Pudenz, R. H. Uses of tantalum in surgery; a comparison of tantalum wire with other materials for nerve suture. 16p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–133, U. S. Nav. M. Res. Inst.

—— Gersh, I., & Etter, H. S. The effect of diathermy on tissues in which tantalum is implanted; preliminary data. 2 l. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–133, U. S. Nav. M. Res. Inst.

Pudenz, R. H., & Shelden, C. H. Uses of tantalum in surgery; tantalum cranioplasty. 10p. 27cm. Bethesda, 1946.

Forms Rep. No. 3 of preceding project.

Atraumatic tantalum wire sutures for peripheral nerves. Bull. U. S. Army M. Dep., 1944, No. 82, 7.—**Effect** of diathermy on tissues in which tantalum is implanted. Bumed News Lett., Wash., 1944, **4:** 5.—**Gerry, R. G.** A simplified technique for the fabrication of tantalum skull plates. U. S. Nav. M. Bull., 1946, **46:** 1499–505.—**Kiskadden, W. S.** Tantalum in war surgery. In: Lect. Reconstr. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1944, 245–50.—**Uses** of tantalum in surgery. Bumed News Lett., Wash., 1944, **3:** No. 9, 9.—**Wilson, J. D., & Kaplan, A.** Tantalum in repair of extensive injury of the forearm. U. S. Nav. M. Bull., 1944, **42:** 1391–4.

TAPEWORM.

See **Taenia.**

TARAWA.

See **World War II.**

TARGET.

Hartline, H. K. Note on the target offered by lights of different wave-lengths [1] p. 28cm. Wash., 1941.

Forms No. 11, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Vinacke, W. E. Fascination in flight. 11 l. 27cm. Pensacola, 1946.

Forms Rep. No. 13, Res. Proj. X–148 (Av–4–3) U. S. Naval School Aviat. M.

TARGET indicator.

See with **Bomber crew.**

TARGET link test.

See **Aviator,** Fitness tests.

TARGET meter.

See under **Psychomotor test.**

TARGET spotting.

See **Spotting.**

TARGET visibility.

See **Visibility.**

TARSUS.

See also **Foot injury; Fracture**—by site: Foot; **Metatarsus.**

Didier. Un cas de luxation du premier cunéiforme du pied. Bull. Soc. méd. mil. fr., 1937, **31:** 600–2.—**Laneri, G.** Sulla distrofia scafoidea-tarsica o 1° morbo di Köhler. Gior. med. mil., 1939, **87:** 170–8.—**Nichita, M. I., & Safca, A.** Contribuţiuni la studiul scafoiditei tarsiene: sindromul scafoidian al lui Köhler. Rev. san. mil., Bucur., 1928, **27:** 345–53.—**Spinoit.** Un cas de maladie de Koehler. Arch. belg. Serv. san. armée, 1939, **92:** 241–5.—**Williams, E. R. P.** Case of Köhler's disease of the tarsal scaphoid. J. R. Nav. M. Serv., 1938, **24:** 351–5.

TATTOOING.

See also **Blood group,** Recording.

Etcheverry, J. C. El tatuaje de los calmettizados. Arq. brasil. med. nav., 1941–42, **2:** 813.—**Farenholt, A.** Some statistical observations concerning tatooing as seen by the recruiting surgeon. U. S. Nav. M. Bull., 1913, **7:** 100.—**Korb, J. H.** The removal of tattoo marks. Ibid., 1929, **27:** 674–7, pl.—**Sulzberger, M. B., Kanof, A., & Baer, R. L.** Complications following tattooing; sensitization and desensitization to mercury; report of a case. Ibid., 1944, **43:** 889–94.

TAXATION.

Doherty, J. H. Income tax and army pay. 6. ed. 66p. 23½cm. Harrisb., 1944.

Spohr, W. Steuererleichterungen für zum Wehrdienst Einberufene. Berl. tierärztl. Wschr., 1940, 390.

TAXI sense.

See **Aviator,** Training.

TAYKIT gasoline burner.

See **Burner.**

T B Med.

See **Technical bulletin,** medical.

TEA.

Roberg, M., & Meyer, G. Untersuchung von Kräutertees (Tee-Ersatz) der Wehrmacht. p.142–220. 20½cm. Berl., 1943.
Veröff. Heer. San., 1943, H. 113.

Rapczewski, J. [Substitutes for tea and their production] Lek. wojsk., 1937, **29**: 280–94.

TEAR gas.

See also **Gas, Production; Gas poisoning, Tear gas.**

Heinsius, E. Ueber schwere Hornhautschädigung durch konzentriertes Tränengas (Bromazeton) Veröff. Marine San., 1936, H. 28, 109–18, pl.—**Hurst, A. F.** Lachrymators or tear gases. In his Med. Dis. War, 3. ed., Lond., 1943, 489.—**Kissin, M., & Mazer, M.** Cutaneous hypersensitivity to tear gas (chloracetophenone) Bull. U. S. Army M. Dep., 1944, No. 81, 120.—**Liebermann, L.** [Severe eye injury from tear gas gun] Orv. hetil., 1936, **80**: 224.—**Lilienthal, W.** Ueberempfindlichkeit gegen Bromaceton. Deut. Militärarzt, 1938, **3**: 425.—**Pérez Feito, F.** Conceptos generales de los gases lacrimógenos desde el punto de vista médica. Rev. san. mil., Madr., 1929, **19**: 33; passim.—Tear shells. Lancet, Lond., 1916, **2**: 564.

TECHNIC.

See in combination with (or as subheading of) the following terms: **Blackout; Blood transfusion; Denture; First aid; Food rationing; Medical examination; Medical technic; Nursing; Operating room; Ophthalmology; Plaster of Paris; Plastic surgery; Pneumothorax; Psychological warfare; Psychotechnics; Surgical technic.**

TECHNICAL bulletin (medical)

United States. Department of the Army. Technical bulletin TB MED. Wash., No. 1, 1943—

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1. Oxygen therapy apparatus: Closed circuit: Boothby-Lovelace. 1943.
2. Medical procedures to be followed at reception stations or other designated facilities for troops returning from federal duty. 1944.
3. W. D., M. D., Form No. 78a (Patient's record of syphilis treatment) 1944.
4. Professional medical films. 1944.
5. Portable surgical hospitals. 1944.
6. Data from field on malaria control. 1944.
7. Indicating place of admission on W. D., M. D. Forms No. 52. 1944.
8. Trichomonas vaginalis vaginitis. 1944.
9. Penicillin. 1944.
10. Coordination of physical and surgical therapy of orthopedic and amputation cases. 1944.
11. Influenza. 1944.
12. Lecture outlines for officers on personnel adjustment problems. 1944.
14. Use of DDT as a mosquito larvicide. 1944.
15. Standard terms for diagnoses. 1944.
16. Penicillin treatment of resistant gonorrhea. 1944.
18. Medical and sanitary data on Dutch New Guinea. 1944.
19. Facilities provided for tissue pathology in United States Army. 1944.
20. Medical and sanitary data on the Mariana Islands. 1944.
21. Lecture outline for enlisted men on personal adjustment problems. 1944.
22. Reduction of fractures during fluoroscopic exposure. 1944.
23. Food and nutrition. 1944.
24. Medical and sanitary data on the Kurile Islands. 1944.
25. Classification of foods, and factors for conversion of unit packages to pounds for use in dietary analysis of rations. 1944.
26. Medical and sanitary data on the Aegean Islands. 1944.
27. Medical and sanitary data on Germany. 1944.
28. Treatment program for psychiatric patients in station and general hospitals. 1944.
29. Medical and sanitary data on Norway. 1944.
30. Medical and sanitary data on Formosa. 1944.
31. Scrub typhus fever (tsutsugamushi disease) 1944. Rev. ed. 1948.
32. Treatment program for psychiatric patients in station and general hospitals (correction) 1944.
33. Induction station neuropsychiatric examination. 1944.
35. Health hazards from industrial solvents. 1944.
36. Medical and sanitary data on Belgium. 1944.
37. Instructions for operating kit, water testing, poisons, treatment control. 1944.
38. Medical and sanitary data on France. 1944.
39. Medical and sanitary data on the Netherlands. 1944.
40. Medical and sanitary data on Albania. 1944.
41. Medical and sanitary data on the Palau Islands. 1944.
42. Data from the field on malaria control. 1944.
43. Local anesthetic agent. 1944.
44. Identification of full acrylic dentures—dental. 1944.
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47. Control of diseases of respiratory system and other diseases transmitted by discharge from respiratory tract. 1944.
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53. Emergency feeding of infants, children, and other special groups of civil populations. 1944.
54. Medical and sanitary data on Sweden. 1944.
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60. Use of para-aminobenzoic acid in bacteriological culture media. 1944.
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65. Drug suppressive treatment of malaria. 1944.
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71. Tuberculous pleurisy with effusion. 1944.
72. Treatment of clinical malaria and malarial parasitemia. 1944.
73. Medical and sanitary data on Yugoslavia. 1944.
74. Electroencephalography; operative technique and interpretation. 1944.
75. Medical and sanitary data on the Lesser Sunda and Southwestern Islands. 1944.
76. Neurological diagnostic techniques. 1944. Also Change 1. 1945.
77. Medical and sanitary data on Burma. 1944.
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82. Sand-fly (Pappataci, Phlebotomus) fever. 1944.
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85. Influenza vaccine. 1944.
86. Medical and sanitary data on French Indo-China. 1944.
87. Data on malaria control. 1944.
88. Medical and sanitary data on Khabarovsk Krai and Maritime Krai (Far Eastern Territory) U. S. S. R. (Excluding Kamchatka Oblast) 1944.
89. Pilonidal cyst and sinus. 1944.
90. Medical and sanitary data on Algeria. 1944.
91. Mounting corrective lenses in welder's goggles. 1944.
92. Preparation of part 9, communicable diseases, of W. D., M. D. Form No. 86ab. 1944.
93. Medical and sanitary data on the Dodecanese Islands. 1944.
94. Neuropsychiatry for the general medical officer. 1944.
95. Medical and sanitary data on British Malaya. 1944.
97. Rheumatic fever. 1944.
98. Medical and sanitary data on Tunisia. 1944.
99. Life of photoroentgen films. 1944.
100. WAC recruiting station neuropsychiatric examination. 1944.
101. Use of BAL in oil and BAL ointment in treatment of systemic poisoning caused by lewisite and other arsenical blister gases. 1944.
102. Medical and sanitary data on Java. 1944.
103. Group psychotherapy. 1944.
104. Use of BAL in oil for treatment of certain severe mapharsen reactions. 1944.
105. Medical and sanitary data on the Andaman and Nicobar Islands. 1944.
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110. Use of DDT as insecticide to kill adult mosquitoes. 1944.
111. Medical and sanitary data on the Marshall Islands. 1944. Also Change 1. 1944.
112. Sulfadiazine prophylaxis of acute respiratory diseases. 1944.
113. Medical and sanitary data on Borneo. 1944.
114. Immunization. 1944. Also Change 1. 1945.

115. Clinical psychological service in Army hospitals. 1944. Rev. 1946.
116. Use of war wound moulages in teaching emergency medical care and first aid. 1944.
117. Electrical requirements for X-ray apparatus in the field or in temporary installations. 1944.
118. Medical and sanitary data on Hainan. 1944.
119. Bacillary dysentery. 1944.
120. Medical and sanitary data on Sumatra. 1944.
121. Impregnation of clothing with insect repellent (dimethyl phthalate) 1944.
122. Physical therapy for amputees. 1944.
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126. Medical and sanitary data on Palestine and Trans-Jordan. 1944.
127. Preventive maintenance services for X-ray field unit generator (Item No. 9606000–Onan models No. OTC–38 and OTC–38S) 1945.
128. Medical and sanitary data on the Levant States (Greater Syria) 1944.
129. Medical and sanitary data on the Gold Coast. 1945.
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149. Descriptive list of drugs and chemicals in Far East CAD units. 1945.
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162. Convalescent care and rehabilitation of patients with spinal cord injuries. 1945.
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165. Medical and sanitary data on Spain (exclusive of the Balearic and Canary Islands) 1945.
166. Films for reconditioning for bed and ward patients in ASF hospitals. 1945. Also Change 1. 1945.
167. Schistosomiasis japonica. 1945. Also Change 1. 1948.
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185. Medical and sanitary data on the Balearic Islands. 1945.
186. Moistureproofing and fungiproofing (tropicalizing) Medical Department equipment. 1945. Rev. ed. 1950.
187. Music in reconditioning in ASF convalescent and general hospitals. 1945.
188. Use of projector AN/TFQ–5 for implementing film program outlined in TB MED 166. 1945.
189. Medical and sanitary data on the Gilbert and Ellice Islands, Ocean Islands, and Nauru. 1945.
190. Water treatment in areas where amebiasis and schistosomiasis are hazards. 1945.
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192. Medical and sanitary data on the Canary Islands. 1945.
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195. The Army's aural rehabilitation program for the deafened. 1945.
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198. Management of syphilis. 1945. Also Change 1. 1946.
199. Medical Museum and Arts Detachments (MM&AD) 12 September 1945. 1945.
200. Spraying of DDT from aircraft. 1946.
201. Psychiatric testimony before courts martial. 1945.
202. Allergy. 1945. Rev. ed. 1950.
203. Nomenclature and method of recording diagnoses. 1945.
204. Complications of blood transfusion. 1945.
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207. Ward officer and reconditioning in ASF hospital. 1945.
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14. Treatment of malaria. Simmons, J. S. 1946.
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16. Resources available to Veterans Administration social workers, chief attorneys and personal counselors through home service in American Red Cross chapters. 1946.
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21. The bacteriological diagnosis of pulmonary tuberculosis. Pinner, M. 1946.
22. Folic acid in the treatment of macrocytic anemias. Heinle, R. W. 1946.
23. Surgery of the autonomic nervous system. White, J. C. 1946.
24. The management of syphilis. 1947. Also Change 1. 1948.
25. The current status of penicillin therapy. Romansky, M. J. 1947.
26. The medical management of neurosyphilis. Leifer, W. A. 1947.
27. Amebiasis, with especial reference to its late complications. Elsom, K. A. 1947.
28. The treatment of the epileptic veteran. Lennox, W. G., & Walker, A. E. 1947.
29. The management of diabetes mellitus. Duncan, G. G. 1947.
30. Venous thrombosis in the lower limbs; its present day treatment. Homans, J. 1947.
31. The diagnosis and treatment of acute and chronic external otitis. Campbell, P. A. 1947.
32. The present status of viral hepatitis, with particular reference to chronic and residual forms. Capps, R. B. 1947.
33. Clinical aspects and treatment of the more common intestinal parasites of man. Most, H. 1947.
34. A preliminary statement concerning the effects of streptomycin upon tuberculosis in man. Walker, A. M. 1947.
35. Management of emotional reactions in patients with somatic disease. Frank, J. D. 1947.
36. Schistosomiasis in the veteran. Most, H. 1947.
37. The effect of streptomycin upon pulmonary tuberculosis in man; preliminary report of a cooperative study of 223 cases by the Army, Navy, and Veterans Administration. 1947.
38. The pathogenesis of allergic disorders and the principles of their management. Alexander, H. L. 1947.
39. Vagotomy in the treatment of peptic ulcer. Ruffin, J. M. 1947.
40. Rocky Mountain spotted fever. Topping, N. H. 1947. Also Change 1. 1949.
41. The measurement of renal function. Hayman, J. M., jr. 1948.
42. Shock therapies of the psychoses. Paster, S. 1948.
43. The diagnosis and treatment of intervertebral disc rupture. Bradford, F. K. 1948.
44. Management of cardiac failure. DeGraff, A. C. 1948. Also Change 1. 1948.
45. The measurement of cardiac output. Ebert, R. V. 1948.
46. Prefrontal leukotomy, an evaluation. Solomon, H. C. 1948.
47. Management of vivax malaria in the veteran. Most, H. 1948.
48. Late residuals of primary coccidioidomycosis. Owen, G. C. 1948.
49. Diagnosis and management of brucellosis, undulant fever. Spink, W. W. 1949.
50. Radioisotopes in medicine. Lyon, G. M. 1949.
51. The vitamins and vitamin deficiency disease. Wilbur, D. L., & Armstrong, C. D. 1949.
52. The mode of action of drugs upon the autonomic nervous system. Comroe, J. H., jr. 1949.
53. Spinal anesthesia for diagnosis, prognosis and therapy. Dripps, R. D. 1949.
54. The management of syphilis. Leifer, W. 1949.
55. The medical management of neurosyphilis. Leifer, W. 1949.
56. The biology of pernicious anemia. Strauss, M. B. 1949.
57. The use of digitalis, with special reference to its toxicity. Gootnick, A. 1949.
58. The measurement of pulmonary function. Riley, R. L. 1949.
59. Arterial hypertension. Schroeder, H. A. 1949.
60. Rheumatoid arthritis, with especial reference to its treatment. Rosenberg, E. F. 1949.
61. The treatment of coronary thrombosis with myocardial infarction. Wright, I. S. 1950.
500. Electric shock therapy. Ozarin, L. D. 1947.
501. Insulin shock therapy in schizophrenia. Shurley, J. T., & Bond, E. D. 1948.
503. Spinal cord injuries. Bors, E. H. J. 1948.
504. An integrated treatment program for psychiatric patients. Ozarin, L. D. 1949.

TECHNICAL manual.

BEMERKUNGEN ZU KRANKENBLÄTTERN und allgemeine Anordnungen zur Diagnostik, Behandlung und ärztl. Betreuung der Soldaten. Berl., No. 1, 1938–

GERMANY. LUFTWAFFE [Luftwaffen-Druckvorschrift] L. Dv. Berl., L. Dv. 43a, 1941–

CONTENTS

L. Dv. 43a. Die Verwaltung der Truppenküchen bei der Luftwaffe. 1941.
Beih. 1. Sammlung von Merkblättern über Lagerung und Behandlung von Lebensmitteln. No. 1–43, 45. 1941–44.
Beih. 2. Merkblatt über die Behandlung und Pflege der Verpflegungs- und Futtermittel in der Kälte. 1942.
Beih. 3. Die Kartoffel in der Soldatenernährung, insbesondere im Winter. 1942.
L. Dv. 86a. Kleines Feldkochbuch für behelfsmässiges Kochen. 1942.
L. Dv. 86c. Zubereitung der Startverpflegung. 1943.
L. Dv. 94. Vorschrift über ärztliche Untersuchung auf Fliegertauglichkeit und Fallschirmschützentauglichkeit [Reprint] 1939.
L. Dv. 410. Luftschutzdienst in Unterkünften, Anstalten und Anlagen der Wehrmacht. Anlage 7: Baulicher Luftschutz in Lazaretten, Krankenhäusern, Heil- und Pflegeanstalten. 1938.
L. Dv. 771. Die biologische Prüfung von kampfstoffverdächtigen oder entgifteten Lebens- und Futtermitteln in Veterinär-Untersuchungs-Stellen des Sicherheits- und Hilfsdienstes. 1939.
L. Dv. 781. Richtlinien über Lagerung und Pflege des Luftschutzsanitätsgeräts. 1937.
L. Dv. 782. Vorschrift für das Lagern und die Pflege des Gasabwehrgerätes des Sicherheits- und Hilfsdienstes. T. 4: Lagern von Entgiftungstoff. 1938.
L. Dv. 787. Anweisung für den Satz Arznei- und Verbandmittel für LS-Rettungsstellen mit Packordnung. Ausg. 1939 [Reprint] 1941.
L. Dv. 2304. [See M. Dv. 457 (Marine-Druckvorschrift)]

GERMANY. OBERKOMMANDO DES HEERES [Heeres-Druckvorschrift] H. Dv. Berl., &c., H. Dv. 1a, 1942—

CONTENTS

H. Dv. 1a. Verzeichnis der planmässigen Heeres-Druckvorschriften. 1942.
——— Anh. 2. Verzeichnis der Merkblätter, Richtlinien usw. des Heeres. 1943.
——— Anh. 2. Merkblatt. No. 18a/17. Taschenbuch für den Winterkrieg [Reprint] 1943.
——— No. 53/1. Der Gipsverband; Anleitung zur Anwendung und Technik. 1943.
——— No. 53/2. Anweisungen für die Sanitätsoffiziere zum D. U.-Verfahren im Heere und in der Luftwaffe. 1940.
——— No. 53/3. Sprachverständigungstafel für den Lazarettgebrauch. 1943.
——— No. 53c/51. Malaria. 1942.
——— No. 53c/55. Das Fleckfieber; Vorbeugung, Erkennung, Behandlung. 1942.
——— No. 53d/56. Der Arzt im Nahen Osten und in Nordafrika. 1942.
——— No. 53d/59. Truppenhygiene im Winter. 1942.
——— No. 53d/62. Aerztliche Anweisung zur Beurteilung der Kriegsbrauchbarkeit bei Kriegsmusterungen. V. U. Wm. T. 4, Ausz. 1. 1942.
——— No. 53d/63. Richtlinien für die Versorgung Verwundeter in den vorderen Sanitäts-Einrichtungen. 1942.
——— No. 53d/64. Erfahrungen mit der Sanitäts-Kompanie (mot.) 1942.
——— No. 53e/68. Afghanistan; geographisch-hygienische Bemerkungen. 1942.
——— No. 61/5. Lagerkunde für verderbliche Lebensmittel. 1941.
——— No. 72/1. Bestimmungen über die Erfassung, Zuführung und Betreuung der siedlungswilligen Kriegsteilnehmer für die wiedergewonnenen Siedlungsräume. 1943.
H. Dv. 5. Vorschrift für die Behandlung der Sanitätsausrüstung und für die Herstellung von Verband- und Arzneimitteln. 1935.
H. Dv. 11. Das Truppenpferd.
——— H. 1. Pferdepflege, Stallpflege, Füttern und Tränken. 1937.
——— H. 2. Körperbau, Erkrankungen, Futtermittel. 1938.
H. Dv. 21/1. Kriegssanitätsvorschrift (Heer) [Reprint] 1941.
H. Dv. 21/2. Kriegssanitätsvorschrift (Heer) 1939. Also later edition [no date]
H. Dv. 26. Richtlinien für die psychologischen Prüfstellen der Wehrmacht und für das Psychologische Laboratorium des Reichskriegsministeriums. 1937.
H. Dv. 38. Vorschrift für das Kriegsgefangenenwesen.
——— H. 2. Abkommen über die Behandlung der Kriegsgefangenen vom 27. Juli 1929. Genfer Abkommen zur Verbes-

serung des Loses der Verwundeten und Kranken der Heere im Felde vom 27. Juli 1929 [Reprint] 1940.

——— H. 9. Dienstanweisung für den Lagerarzt eines Kriegsgefangenenlagers und Chefarzt des Kriegsgefanenenlagerlazaretts. 1940.

H. Dv. 43a. Vorschrift für die Verwaltung der Truppenküchen (Heer) Beiheft: Uebersicht über den Nährstoffgehalt und den Nährwert, Kalorien, der wichtigsten Nahrungsmittel. 1937.

H. Dv. 56. Kriegsveterinärvorschrift.

——— H. 1. Organisation und Aufgaben des Kriegsveterinärdienstes [Reprint] 1944.

——— H. 2. Dienstanweisungen für Veterinärdienste. 1940.

——— H. 6. Grundsätze für den Hufbeschlag. 1939.

——— H. 7. Veterinärdienstliche Buchführung und Berichterstattung; Muster. 1941.

H. Dv. 57. Heeresveterinärvorschrift. Anh. 2: Seuchenvorschrift. 1930. Heeresveterinärvorschrift vom 6. April 1932. Hierzu Anhang I mit Atlas, Anhang II und III. 1932.

H. Dv. 59. Unterrichtsbuch für Sanitätsunteroffiziere und -mannschaften. 1939. Also reprint. 1940.

——— No. 2a. Die Röntgenaufnahmetechnik; allgemeiner Teil und Aufnahmeeinstellungen. 1944.

H. Dv. 61. Kolonial-Veterinärvorschrift.

——— T. 5. Tierseuchen; Bekämpfung und Behandlung [Reprint] 1942.

H. Dv. 75. Bestimmungen für die Erhaltung des Heeres im Kriegszustand; Sinngemäss gültig für besonderen Einfass. 1939.

H. Dv. 82/5b. Bestimmungen für Entlassung von Unteroffizieren und Mannschaften des Heeres während des Krieges. 1941.

H. Dv. 86. Feldkochbuch. 1941.

H. Dv. 100. Krankenträgerordnung [Reprint] 1938.

H. Dv. 100/1. Ausbildungsvorschrift für Krankenträger und Sanitätskompanien. H. 1: Krankenträgerausbildung. Abschnitte H bis L. 1938.

H. Dv. 183. Arzneiheft für Heer und Luftwaffe. 1939.

H. Dv. 187/1. 1. Fürsorge- und Versorgungsgesetz für die ehemaligen Angehörigen der Wehrmacht und ihre Hinterbliebenen; Wehrmachtfürsorge- und -versorgungsgesetz.

——— 2. Fürsorge- und Versorgungsgesetz für die ehemaligen Angehörigen der Wehrmacht bei besonderem Einsatz und ihre Hinterbliebenen; Einsatzfürsorge- und -versorgungsgesetz. 1940.

H. Dv. 193. Reichswehr-Sanitäts-Vorschrift.

——— T. 2. Heilfürsorge mit Kurbestimmungen. 1933.

——— T. 3. Gesundheitsdienst. 1934.

——— 1. 5. Lazarette. 1935.

H. Dv. 193. Wehrmacht-Sanitäts-Vorschrift.

——— T. 6. Pharmazeutisch-chemischer Dienst. 1935.

——— T. 8. Aerztliche Berichtanweisung [Reprint] 1939. Beih.: Krankheiten-Verzeichnis. 1936.

H. Dv. 194. Entseuchungs- und Entwesungsvorschrift für die Wehrmacht. 1939.

H. Dv. 195/1. Der Heeres-Trinkwasserbereiter. 1941.

H. Dv. 195/2. Das Tornisterfiltergerät. 1941.

H. Dv. 195/4. Der Satz Streckvorbandgerät; Beschreibung und Bedienungsanweisung. 1942.

H. Dv. 195/5. Der Anhänger (1 achsig) für Entseuchung mit Brausevorrichtung (Sonderanhänger 2) 1942.

H. Dv. 195/6. Der Satz Entwesungsgerät 42. 1943.

H. Dv. 195/7. Der Maschinensatz 220 Volt (Wechselstrom) 15/18 kVA als Anhänger (einachsig) fahrbar, für Sanitätszwecke; Beschreibung und Betriebsanweisung. 1942.

H. Dv. 195/8. Der Satz Licht- und Kraftzubehör zum Maschinensatz 220 Volt (Wechselstrom) 15/18 kVA für Sanitätszwecke; Beschreibung und Besienungsanweisung. 1942.

H. Dv. 195/8a. Der Satz Licht- und Kraftzubehör für Sanitätszwecke zum schweren Maschinensatz A: Beschreibung und Bedienungsanweisung. 1944.

H. Dv. 208/2. Uebersicht der Feldsanitätsausrüstung [Reprint] 1940.

H. Dv. 208/3. Uebersicht der wirtschaftlichen Sanitätsausrüstung der Sanitätseinheiten [Reprint] 1937.

H. Dv. 208/4. Zusammenstellung der Packordnungen der Sanitätsbehältnisse: Sanitätstasche für Sanitätsoffiziere; Sanitätsverbandzeug; Sanitätstasche für Anberittene-Paar; Sanitätstasche für Berittene, mit Tragegurt; Krankenträgertasche-Paar; Krankenträgertasche für Berittene, mit Tragegurt; Verbandkasten; Sanitätstornister 34; Verbandtasche; Sanitätspacktasche, Paar. 1941.

H. Dv. 208/5. Packordnung des Sanitätskastens 1930, vom 1935 [Reprint] 1937. Also rev. ed. 1941.

H. Dv. 208/6. Packordnung der Sanitätsausrüstung, Satz a; Truppensanitätsausrüstung. 1941.

H. Dv. 208/7. Packordnung der Sanitätsausrüstung, Satz b; Vorrat Sanitäts-Gerät. 1941.

H. Dv. 208/8. Packordnung der Sanitätsausrüstung, Satz c und der Sanitätsausrüstung Ergänzungssatz a. 1941.

H. Dv. 208/9. Packordnung der Sanitätsausrüstung, Satz d; Zug Feldlazarett. 1941.

H. Dv. 208/10. Uebersicht der Gas-Sanitätsmittel in der Feldsanitätsausrüstung. 1935. Also rev ed. 1941.

H. Dv. 208/11. Packordnung der Sanitätsausrüstung, leichter Satz, vom April 41 [Reprint] 1942.

H. Dv. 208/12. Packordnung des Gebirgs-Sanitätskastens, Anl. S 2263. 1939. Also rev. ed. 1944.

H. Dv. 208/13. Packordnung der Gebirgstruppensanitätsausrüstung, Satz i, Anl. S 2319. 1942.

H. Dv. 208/14. Packordnung der Gebirgs-Sanitätskompanie. 1939. Also rev. ed. 1941.

H. Dv. 208/15. Packordnung des Kleinen bakteriologischen Feldlaboratoriums; Packordnung; Gebrauchsanweisung, vom August 1941. 1941.

H. Dv. 208/16. Packordnung des Bakteriologischen Feldlaboratoriums; Packordnung; Betriebsanleitung, vom August 1941 [Reprint] 1942.

H. Dv. 208/17. Packordnung des grossen Reagenzienkastens; Chemisches Feldlaboratorium, Kasten 8, vom 1. September 1939; Packordnung; Betriebsanleitung [Reprint] 1941. Also Suppl. Inhaltsverzeichnis des grossen Reagentienkastens; zugleich Packordnung [1939?]

H. Dv. 208/18. Packordnung des Chemischen Feldlaboratoriums; Packordnung; Betriebsanleitung, vom 1. August 1939 [Reprint] 1941.

H. Dv. 208/19. Packordnung der Ausrüstung für Pathologen, vom 1. Juni 1939. 1939.

H. Dv. 208/21. Packordnung des Klinischen Handlaboratoriums; Packordnung; Arbeitsvorschrift, vom 1. 1. 43. 1943.

H. Dv. 208/22. Packordnung und Betriebsanleitung des zahnärztlichen Gerätes 41, vom 1. 11. 42. 1942.

H. Dv. 208/23. Packordnung und Arbeitsvorschrift des Prüfgeräts für chemische Kampfstoffe, vom 1. 8. 43. 1943.

H. Dv. 209. Sammelheft Merkblätter für den Sanitätsdienst, vom 1. August 1939. 1939–44.

H. Dv. 209/2. Sammelheft Richtlinien und Merkblätter für den Heeres-Sanitätsdienst, vom 1. Februar 1942. 1942–44.

H. Dv. 231/1. Kriegsvölkerrecht; Sammlung zwischenstaatlicher Abkommen von allgemeiner Bedeutung für die Truppe, vom 1. Oktober 1939. 1940.

H. Dv. 251. Dienstanweisung zur Beurteilung der Dienstfähigkeit für das Heer und zur Ausstellung heeresärztlicher Zeugnisse, vom 22.o.1929. 1929.

H. Dv. 251/2. [See Marine-Druckvorschrift M. Dv. No. 457]

H. Dv. 252. Vorschrift über militärärztliche Untersuchungen der Wehrmacht. Teil 1. Untersuchungen Dienstpflichtiger und Freiwilliger auf Tauglichkeit, vom 29. April 1937. 1937.

——— T. 4. Aerztliche Anweisung zur Beurteilung der Kriegsbrauchbarkeit bei Kriegsmusterungen, vom 1. 4. 1944. 1944.

H. Dv. 320/4. Wehrmacht-Verwaltungsvorschrift. 4. Teil: Vorschrift für die Heeresverpflegungsdienststellen, vom 1. 6. 1939. 1939.

H. Dv. 373. Bestimmungen für besondere Dienstverhältnisse der Kriegspfarrer beim Feldheer, vom 18. Juni 1941. 1941.

H. Dv. 395. Gasabwehrdienst aller Waffen.

——— H. 2a. Die Gasmaske 30. 1939.

——— H. 3. Reinigen des Gaschutzgeräts, vom 1. 8. 41. 1941.

——— H. 4. Prüfgerät für Gasmasken, vom 8. 6. 37. 1937.

——— H. 6. Der Riechprobenkasten. 1939.

——— H. 7. Das Heeres-Sauerstoffschutzgerät, vom 1. 8. 39. 1939.

——— H. 8. Der Heeresatmer, vom 26. 10. 37. 1938.

——— H. 11a. Die Gasspürgeräte, vom 25. 7. 41. 1941.

——— H. 11b. Entgiften, vom 15. 1. 43. 1943.

——— H. 11c. Entgiften von Bekleidung und Ausrüstung in ortstesten Anlagen, vom 1. 1. 43. 1943.

——— H. 1o. Der Gasanzeiger, vom 15. 3. 41. 1941.

——— H. 16. Behelfs-Gasschutz, vom 26. 6. 44. 1944.

H. Dv. 396. Wirkung der chemischen Kampfstoffe und sonstiger schädlicher Stoffe auf den Menschen sowie Behandlung der Kampfstoffverletzungen, vom 25. Juli 1939. Also rev. ed., Kampfstoffverletzungen; Wirkung der chemischen Kampfstoffe und sonstiger schädlicher Stoffe auf den Menschen sowie Behandlung der dadurch hervorgerufenen Schädigungen, vom 1. 1. 1943. 1943.

H. Dv. 410/7. [See Luftwaffen-Druckvorschrift L. Dv. 410/7]

H. Dv. 463. Beschreibung des veterinärärztlichen Geräts vom 4. Februar 1933. 1933.

H. Dv. 466. Hilfskommandos bei Notständen, vom 16. März 1936. 1936.

H. Dv. 488. Vorschritt für das Verwalten der Waffen und des Geräts bei der Truppe.

——— T. 5. Verwalten der Waffen und des Geräts beim Feldheer, mit Anhang über Munition, Bekleidung, Verpflegung und Pferde, vom 29. Mai 1940. 1940.

——— T. 7. Veterinär- und Fahnenschmiedegerät, vom 15. Dezember 1921. 1921.

Germany. Oberkommando der Kriegsmarine [Marine-Druckvorschrift] M. Dv. Berl., M. Dv. 271, 1941–

CONTENTS

M. Dv. 271. Soll der Sanitätsausrüstungen:

1. Allgemeine Bestimmungen [Reprint] 1941.
2. Sanitätsausrüstungen der Schiffe mit Apothekeneinrichtung [Reprint] 1941.
3. Sanitätsausrüstungen für Schiffe ohne Apothekeneinrichtung [Reprint] 1941.
4. Sanitätsausrüstungen und Sanitätsgeräte der Marineteile am Land [Reprint] 1941.
5. Sanitätsbehältnisse [Reprint] 1941.

6. Instrumentenbestecke und ärztliche Geräte. 1941.
7. Schiffssanitätsausrüstung [Reprint] 1941.
8. Zahnärztliche Ausrüstung. 1941.
9. Gassanitätsmittel. 1941.

M. Dv. 457. Dienstanweisung zur Beurteilung der Dienstfähigkeit für die Kriegsmarine und zur Ausstellung von marineärztlichen Zeugnissen im Kriege oder bei besonderem Einsatz. 1942.

M. Dv. 459. Beschreibung des veterinärärztlichen Geräts vom 4. Februar 1933. 1933.

M. Dv. 695/1. Ueber die Beeinflussbarkeit der menschlichen Dunkeladaptation durch verschiedene Pharmaka. Studnitz, G. v., & Lange, V. [1943?]

M. Dv. 701. Ueber Nachtsehproben mit Leuchtfarbe. Tschermak-Seysenegg, A., & Heinsius, E. 1943.

UNITED STATES. AIR FORCE. Air Forces manual. N. Y., &c., No. 23, 1944–

CONTENTS

23. Handbook of recovery. [24]p. 1944.
25. Series:
——— O–1. Flight Surgeon's reference file. [v. p.] 1945.
——— O–6. Management of common eye disorders. 45p. [1945]
——— 1. Management of common cutaneous diseases. Rev. ed. 17p. 1945.
——— 2. Physiology of flight. Rev. ed. 94p. 1945.
——— 3. Management of allergic diseases. 53 l. 1945.
——— 60–2. Physiology of flight. Rev. ed. 94p. 1946.
26. Introducing Joe Flight Gremlin. 26p. 1944.
49. Let's walk. 31p. 1944.
160–40. Prevention of spread of tuberculosis in Army and Air Force hospitals. 14p. 1949.

UNITED STATES. DEPARTMENT OF THE ARMY. Technical manual TM. [size varies] Wash., 1940–49.

CONTENTS

Ser. 1: Air

219. Basic photography. 342p. 21cm. 1941.
240. Arctic manual. Rev. ed. 74p. 21½cm. 1942. Also Rev. ed. 131p. 21cm. 1944.
705. Physiological aspects of flying and maintenance of physical fitness. 127p. 23cm. 1941. Also Rev. ed. Physiological aspects of flying. 79p. 21½cm. 1943.

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665. Operation of sewerage and sewage treatment facilities at fixed Army installations. 169p. 25½cm. 1945.

Ser. 8: Medical

210. Guides to therapy for medical officers. 185p. 17½cm. 1942. Also Change 1. 61p. 22cm. 1943.
220. Medical department soldier's handbook. 486p. 22½cm. 1941.
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227. Methods for laboratory technicians. 447p. 23cm. 1941. Also Change 1. 1 l. 1942. Also Rev. ed. 618p. 23½cm. 1947.
233. Methods for pharmacy technicians. 202p. 23cm. 1941.
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245. Army medical supply depot. 20p. 21½cm. 1942.
255. Terminal physical examination on separation from military service. 34p. 26cm. 1945.
260. Fixed hospitals of the Medical Department; general and station hospitals. 271p. 23cm. 1941.
262. Administration of fixed hospitals, Zone of Interior [v p.] 28cm. 1945–46.
275. Military roentgenology. 153p. 23cm. 1942.
280. Military roentgenology. 447p. 27½cm. 1944. Also Change 1. 8p. 27½cm. 1945.
285. Treatment of casualties from chemical agents. 51p. 23cm. 1941. Also Rev. ed. 76p. 22cm. 1942. Also Change 1. 7 l. 21½cm. 1942. Also Rev. ed. 136p. 23cm. 1945.
290. Educational reconditioning. 59p. 23cm. 1945.
291. Occupational therapy. 80p. 23cm. 1945.
292. Physical reconditioning. 290p. 15½ x 23cm. 1945.
293. Physical therapy for lower-extremity amputees. 65p. 24cm. 1946.
300. Notes on eye, ear, nose, and throat in aviation medicine. 286p. 23cm. 1940.
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320. Notes on psychology and personality studies in aviation medicine. 335p. 23cm. 1941.
325. Outline of neuropsychiatry in aviation medicine. 172p. 23cm. 1940.
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618. Suction Apparatus, Portable, Electric. Rev. ed. 20p. 23½cm. 1945.
619. Basal Metabolism Apparatus, Items 4020006, 4020008, 4020012. 55p. 23cm. 1944.
620. Serological water baths, Items 4479008 and 4480008. 33p. 23cm. 1944.
621. Lamp, Therapeutic, Mercury Arc, Air-cooled, Mobile, Complete, 110-Volt, 60-Cycle, Item 7126005. 39p. 23cm. 1944.
623. Anesthesia Apparatus, Portable, Item 9350000. 60p. 23cm. 1945.
624. Sinusoidal Machine. 12p. 23cm. 1945.
625. Cassette Changer, Stereoscopic, Upright, Magnetically Controlled. 39p. 23cm. 1944.
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628. Instrument Sterilizer, Item 7917005. 20p. 23cm. 1944.
629. Field X-Ray Film Processing Equipment, Items 9611500 and 9611700, 9605500. 79p. 23cm. 1945.
630. X-Ray Field Unit Generator, Item 9606000. 122p. 23cm. 1945.
633. X-ray Field Unit, Fluoroscopic, Foreign Body Localization, Complete, Item 9621500. 68p. 23cm. 1945.
634. Dental X-Ray Machine, Items 6088005, 6088010. 44p. 23cm. 1945.
635. Blood Refrigeration Unit Refrigerator, Item 9960110. 114p. 23cm. 1945.
638. Engine, Handpiece, Straight; Engine Handpiece, Angle. 20p. 23cm. 1944.

Ser. 10: Quartermaster

205. Mess management and training. 48p. 21½cm. 1942.
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240. Quartermaster mortuary procedures. Supplement 1. 77p. 26½cm. 1945.
240A. Quartermaster mortuary procedure. 46p. 26½cm. 1945.
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251. Treaties governing land warfare. 196p. 21½cm. 1944.

Ser. 28: Welfare, Recreation and Morale

306. Hospital library service. 32p. 23½cm. 1945.

TECHNICIAN.

See also **Aviation medical technician; Dental technician; Medical technician; Radio technician; Veterinary technician.**

UNITED STATES. ARMY. ENLISTED TECHNICIANS SCHOOL. ARMY & NAVY GENERAL HOSPITAL. Class outline for basic technicians. 97p. 21cm. Hot Springs National Park, 1944.

TELEMETRY.

Angius, T. Arruolamento e selezione dei cannonieri telemetristi della M. M. Ann. med. nav., Roma, 1947, **52**: 303–32, pl. ——— Scoperta, rotta, punteria e telemetraggio notturno in Marina. Ibid., 333–40.—**Bellecci, P.** Osservazioni sull'arruolamento dei telemetristi nella Marina da guerra. Ibid., 411–4.

TELESCOPE.

See also **Tank,** Illumination and vision.

United States. Armored Medical Research Laboratory. Project No. 6: Vision in tanks; third partial report on Sub-Project No. 6–4: Study of means for improving sighting telescopes; lateral-offset sight. v. p. 28cm. Fort Knox, 1943.

—— Project No. 37: Second partial report: Study of errors in field artillery practice; an analysis of the sources of error in the use of the panoramic telescope M12 and development of principles of design for an improved instrument. v. p. 28cm. Fort Knox, 1945.

—— Project No. 38: The military characteristics and design of observation telescope. v. p. 28cm. Fort Knox, 1945.

—— Project No. 40: Military characteristics of spectacle-type binoculars. v. p. 28cm. Fort Knox, 1944.

—— Project No. 47: Test of telescopes T122 and T123. 3p. 28cm. Fort Knox, 1944.

Night telescope. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 4c, 1.

TELSON rocker.

See **Plaster of Paris,** Apparatus.

TEMPERATURE.

See also **Cold; Heat; Thermometry.**

Effects of temperature. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 24–31, pl.—**Jarisch, A.** Effects of drugs on cooled animals. Ibid., App. 3i, 1.—**Nagayama, T.** Byōsitu no kōkan-tai ni tuite [Studien über die sog. Behaglichkeitszone (comfort zone) im Krankenzimmer] Gun idan zassi, 1931, 2235–62.—**Semerád, A.** Stanovení a význam efektivní teploty. Voj. zdrav. listy, 1949, **18**: 199.

—— Temperature, high.

See **Heat.**

—— Temperature, low.

See **Cold exposure.**

TEMPERATURE measurement.

See **Radiometer; Thermometry.**

TEMPERATURE regulation.

See **Heat regulation.**

TEMPORAL artery.

Roca, C. A., & Mundet, E. Aneurisma traumático de la arteria temporal superficial. Rev. san. mil., B. Air., 1940, **39**: 916–9.—**Schenck, H. P.** Traumatic arteriovenous fistula of the superficial temporal artery and vein. U. S. Nav. M. Bull., 1946, **46**: 1611–3.

TEMPORAL bone.

Christiansen, G. W., & Bradley, J. L. Infratemporal abscess of dental origin. U. S. Nav. M. Bull., 1945, **45**: 346.—**Mill, W. A.** The treatment of wounds involving the temporal bone. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 126–8.—**Ramírez Santaló, A.** Datos de anatomia quirúrgica obtenidos del examen parcial de 3.865 huesos temporales. Rev. san. mil., Madr., 1913, 3. ser., **3**: 312; 348.—**Tapia, M. G.** Historia, incidencias y utilidad del radiodiagnóstico del hueso temporal. Rev. españ. med. cir. guerra, 1940, **5**: 91–104.—**Troickaja- Tregubova, T. P.** Tekhnika rentgenografii visoćnoj kosti. Voen. med. J., Moskva, 1930, **1**: No. 5, 14–22.

TEMPORO-ORBITAL region.

See under **Orbit.**

TENDON.

Adhesive strapping for relief of achillodynia. Bull. U. S. Army M. Dep., 1944, No. 77, 21.—**Blum, L.** Myotomy in the repair of divided flexor tendons. U. S. Nav. M. Bull., 1944, **42**: 1317–22.—**Bolz & Bürger.** M. flexor hallucis longus-adalei kabizai hariciyei sathiyei süllamiyat ve tibialis posterior-adalei kasabiyei halefiye glagi veterlerinin mütekayyih iltihablarinda kati veter ve veter rezeksiyonu ile cerrahi tedavi. Askerî vet. mecmuası, 1941, **19**: 144.—**Bunnell, S.** Suturing tendons. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann. Arb., 1943, 1–5.—**Citta, F.** Spontánní, subkutánní, kompletní ruptury Achillovy šlachy. Voj. zdrav. listy, 1948, **17**: 198–200.—**Cole, T. C.** Tendon repair. U. S. Nav. M. Bull., 1944, **43**: 241–4.—**Domínguez Navarro, L.** Sarcomas de mieloplaxas en los tendones. Med. & cir. guerra, 1949, **11**: 213–22.—**Henry, M. G.** Complete rupture of the tendo Achillis. Mil. Surgeon, 1944, **95**: 135–9.—**Krivorotov, I. A.** [Experimental investigation on the regeneration of tendons] Tr. Acad. mil. méd. Kiroff, 1935, **3**: 105–22.—**McLaughlin, C. W.,** jr. Complete rupture of the tendo Achillis; report of a case. U. S. Nav. M. Bull., 1943, **41**: 1388–91.—**Mouat, T. B., & Hart, A. T.** Wounds of tendons. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 362–70. Also 2. ed., Balt., 1942, **2**: 578–87. ——— The Bunnell-Mayer technique of tendon suture. Ibid., 578–80.—**Pinner, W. E., & Staderman, A. H.** Peritendinitis calcarea with particular reference to calcification in the supraspinatus tendon. U. S. Nav. M. Bull., 1941, **39**: 521–32, 3pl.—**Spick, A. E.** La chirurgie des tendons; traumatismes, synovites, orthopédie. Arch. méd. pharm. mil., 1928, **89**: 1–40.—**Thomas, E.** Spontane ruptuur van de Achillespees tijdens militaire training. Ned. tschr. geneesk., 1947, **91**: 2120–5.—**Wagner, C. J.** Tendon grafts in the hand. Mil. Surgeon, 1949, **105**: 196–200.—**Williams, E. R. P.** A new method of tendon repair. J. R. Nav. M. Serv., 1942, **28**: 384–6.

TENDON sheath.

Bervar, M. Lečenje akutnog tendovaginitisa prsta lokalnom primenom penicilina. Voj. san. pregl., Beogr., 1948, **5**: 16–22.—**Jadevaia, F.** Un caso di lipoma delle guaine tendinee. Gior. med. mil., 1940, **88**: 137–40.—**Jean, R.** La méthode de Beer dans le traitement des synovites tendineuses d'origine traumatique. Rev. vét. mil., Par., 1947, **2**: 341–4.—**MacLeod, D. J. E.** Een geval van stenoseerende tendovaginitis. Mil. geneesk. Tschr., 1914, **18**: 93.—**Volk, F. N.** Traumatic tenosynovitis in a training camp. Mil. Surgeon, 1944, **94**: 293–6.

10-in-1 ration.

See **Ration,** combat.

TENT.

See also **Operating tent; Oxygen tent; Survival equipment.**

Bright, N. Test of heater, tent, vaporizing, tank type, X–1–1949 (Breese, Inc.) at −65°F. 14 l. 27cm. Dayton, 1949.

Forms No. MCREXD–670–2P, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Miller, B. H. Determination of ambient air temperatures and humidities in tents and Quonset huts painted white or aluminum compared with unpainted tents and Quonset huts. 13p. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X–661, U. S. Nav. M. Field Rcs. Laborat.

Spangler, H. J. Trailer tent annex. 10 l. 27½cm. Camp Lejeune, 1949.

Forms Res. Proj. NM 112 052, U. S. Nav. M. Field Res. Laborat.

Angel Mazza, M. Nuestro modelo de carpa para sanidad de montaña. Rev. san. mil., B. Air., 1942, **41**: 331–8.—**Churakov, B. N.** [Heating of tents of the field sanitary installation] Voen. san. delo, 1941, No. 10, 36–8.—**Khrenov, A.** Palatka. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 297–301.—**Kraissl, C. J.** The medical tent. Mil. Surgeon, 1935, **76**: 293.—**Krotkov, F.** [Hygienic examination of heated tents] Voen. med. J., Moskva, 1931, **2**: 206–11, illust.—**McCauley, M. D.** External support of standard ward tent. Med. Bull. North Afr. Theater U. S., 1944, **1**: 36.—**Sutton, G. W.** Bathing and drying tent apparatus. J. R. Army M. Corps, 1937, **68**: 192–5.—**Tenting** armies. Rev. Sc. Instrum., 1942, **13**: 274.

TENT hospital.

See **Hospital construction,** tented.

TEREZIN.

See **Internee.**

TERMAN vocabulary test.

See **Personality test.**

TERMINOLOGY.

See **Nomenclature**; also **Research,** aeromedical.

TERRAIN.

See also **Intelligence; Meteorology; Sanitation; Tactics,** medical.

Astafjev, A. Počva. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 800–3.—**Gergovich, W.** [Effect of terrain and climate on health service in the infantry division] Lek. wojsk., 1938, **32:** 307; 430.

TERROR devices.

See under **Psychological warfare.**

TEST.

See in combination with (or as subheading of) the following terms: **Atomic bomb; Aviator** (Fitness test; Performance test; Personality test; Psychophysical test) **Classification; Clothing; Fitness; Information test; Intelligence test; Medical examination; Mental test; Neuropsychiatric examination** subheadings; **Night vision; Occupational specialty; Officer,** Selection: Tests; **Oxygen mask; Personality test; Pursuit test; Ration,** Value: Testing; **Saliva test; Thematic apperception test; Vision** subheadings; **Wassermann test.**

TESTIS.

See also **Epididymitis; Parotitis epidemica,** Complication: **Orchitis.**

Barry, T. A case of torsion of the testicle. J. R. Nav. M. Serv., 1940, **26:** 403.—**Baumrucker, G. O.** Incidence of testicular pathology. Bull. U. S. Army M. Dep., 1946, **5:** 312–4.—**Brady, H. A.** Transillumination in orchitic atrophy. Med. Bull. Veterans Admin., 1934, **11:** 138–41.—**Candel, S.** Immune serum globulin (gamma-globulin) in the prophylaxis of mumps orchitis. Mil. Surgeon, 1946, **99:** 199–202.—**Ferguson, C.** Torsion of the testicle on the epididymis; a case report. Ibid., 1944, **94:** 167.—**Knudtson, K. P.** Infarct of testicle; report of a case. U. S. Nav. M. Bull., 1946, **46:** 1120.—**Moty.** Ectopic testiculaire. Bull. Soc. méd. mil. fr., 1912, **6:** 236–9.—**Tejeda Lawrence, A.** Suspensión del testículo. Rev. san. nav., Valparsiso, 1935, **5:** No. 20, 3–18.—**Volpi, J. D.** Vólvulo de testículo. Rev. san. mil., B. Air., 1945, **44:** 1179–81.

—— Ectopy.

Anderson, D. M. Cryptorchidism. Surg. Staff Semin. Minneapolis Veterans Hosp., 1949, **6:** 41–54.—**Dombrovsky, E. I.** Smeščenie jaička pod kožu pakhovoj oblasti; členovreditelstvo ili porok razvitija? Voen. med. J., S. Peterb., 1914, **241:** Med. spec. pt, 477–85. Also Deut. mil. ärztl. Zschr., 1914, **43:** 712.—**Fruin, R. L.** Cryptorchidism: a discussion and report of 113 cases. Mil. Surgeon, 1945, **97:** 365–9.—**Gozzo, G.** La criptorchidia. Gior. med. mil., 1949, **96:** 297–306.—**Guimarães, N. A.** Contribuição ao estudo das ectopias testiculares. Rev. med. mil., Rio, 1949, **38:** 143–59.—**Kartaševsky, G. A.** Slučaj kriptorkhizma. Voen. med. J., S. Peterb., 1913, **236:** Med. spec. pt, 357–9.—**Lacal, F.** Criptorquidea con hipogenitalismo; tratamiento con el propionato de testosterona. Rev. san. mil., B. Air., 1943, **42:** 906–12.—**Michalowski, E.** [Operative treatment in cryptorchidism] Lek. wojsk., 1936, **28:** 850–8.—**Parvulescu, G., Gafencu, A., & Sabarezi, J.** [Case of biletaral testicular ectopia with unilateral testicular and epididymal separation] Rev. san. mil., Bucur., 1930, **29:** 187–9.—

—— Injury.

See also **Genitals,** Injury.

Ladwig, A. Operative behandlung der Hodenschüsse mit Erhaltung des Organs. Bull. War M., Lond., 1942–43, **3:** 434 (Abstr.)—**Minter, J. M.** An interesting case of gunshot wound of testicle and urethra. U. S. Nav. M. Bull., 1912, **6:** 584.

—— Tumor.

Aston, M. J. Teratomas of the testicle; general considerations and case report.—U. S. Nav. M. Bull., 1936, **34:** 492–9, 3 pl.—**Bailey, H.** Malignant disease of the testicle. J. R. Nav. M. Serv., 1939, **25:** 124–9.—**Castillon, T. J. E.** Chorioépithélium du testicule avec réaction d'Aschelm-Zondek. Rev. Serv. san. mil., Par., 1938, **108:** 575–80.—**Davis, C. O.** A case of malignant growth of the testicle of unusually rapid clinical course. J. R. Nav. M. Serv., 1940, **26:** 276–80.—**Delaye, M. E. R.** Du diagnostic précoce du cancer du testicule. Rev. Serv. san. mil., Par., 1938, **108:** 1–12.—**Friedman, N. B., & Moore, R. A.** Tumors of the testis; a report on 922 cases. Mil. Surgeon, 1946, **99:** 573–93.—**Halačka, K.** [Seminoma of the testicle in a soldier] Voj. zdrav. listy, 1937, **13:** 231–40.—**Hughes, C. M.** Embryonic carcinoma of testicle with multiple metastasis. U. S. Nav. M. Bull., 1934, **32:** 55–8.—**Iadevaia, F.** Su un caso di tumore a tipo corionepiteliomatoso del testicolo. Gior. med. mil., 1941, **89:** 341–57.—**Johnson, S.** Benign tumors of the testis; report of a case. U. S. Nav. M. Bull., 1948, **48:** 893–6.—**Lewis, L. G.** Treatment of testis tumors. Bull. U. S. Army M. Dep., 1947, **7:** 745.—**Livingston, S. K.** Skeletal metastasis in teratoma of the testicle; two cases. Med. Bull. Veterans Admin., 1936–37, **13:** 301–3.—**Michalowski, E.** [Biological reactions in tumors of the testicles] Lek. wojsk., 1937, **29:** 485–9.—**Nalty, W. C.** Teratoma of testicle, with widespread metastasis. Med. Bull. Veterans Admin., 1936–37, **13:** 304–6, 4 pl.—**Newsom, S.** Malignant disease of the testis; with the report of a case of seminoma, presenting a problem of diagnosis. J. R. Army M. Corps, 1942, **79:** 233–9.—**Owen, S. E., & Cutler, M.** Diagnosis of teratoma testis by biologic assay of prolans. Med. Bull. Veterans Admin., 1937–38, **14:** 1–5.—**Shimkin, M. B.** Malignant neoplasms of the testis. Mil. Surgeon, 1939, **85:** 50–8.—**Shiško, L. P.** Epithelioma seminale; k učeniju o novoobrazovanijakh jaička. Raboty propedevt. klin. Voen. med. akad., S. Peterb., 1912, **4:** 99–121.—**Shucksmith, H. S., & Harrison, G. K.** Clinical aspects of neoplasm of the testis, and case reports. J. R. Army M. Corps, 1944, **82:** 232–4.—**Van Langenberg, E. R.** A case of malignant disease of the testicle admitted to hospital with symptoms of acute intracranial disease. J. R. Nav. M. Serv., 1943, **29:** 67.—**Vitiello, M.** Sul sarcoma primitivo del testicolo. Ann. med. nav., Roma, 1934, **40:** pt 1, 129–38. ——— Contributo allo studio del seminoma. Ibid., 292–309.—**Vokoun, F. J.** Teratoma testis. Mil. Surgeon, 1937, **80:** 134–6.—**Waterman, J. L., & Brines, O. A.** Adenocarcinoma of the testis; report of case. U. S. Nav. M. Bull., 1943, **41:** 1690–4.

—— in animals.

Huguier. La méthode de Voronoff appliquée à la reconstitution et à l'amelioration du cheptel en France et aux Colonies. Rev. vét. mil., Par., 1928, **12:** 79–91.—**Jurný, F.** [Operation for cryptorchism in horses] Voj. zdrav. listy, 1937, **13:** 91–100.—**Necib Zobu** [Castration of horses with cryptorchism] Askerî tibbi baytarî mecmuası, 1936, **13:** 243–51.—**Serafettin Ozker** [Cryptorchism in animals; cases encountered in horses] Ibid., 1937, **15:** 151–75, 5pl.—**Uveis Maskar** [Case of cryptorchism in a dog] Ibid., **14:** 382–7.

TETANUS.

See also **Burns,** Complications; **Wound infection.**

GLEITSMANN, H. Der Tetanus. p.44–113. 28cm. Berl., 1935.
In: Kriegssan. Ber. Deut. Marine, 1914-18, Berl., 1935, **3:**

Banaitis, S. Stolbnjak (tetanus) In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 318–22.—**Cole, L.** Tetanus. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 125–35; 2. ed., Balt., 1942, **1:** 117–27.—**Flinchum, D.** Tetanus. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4:** No. 4, 25.—**Frankau, C.** Tetanus and gas gangrene. In: War Wounds (Brit. M. J.) Lond., 1939, 35–43.—**Girgolav, S. S.** Stolbnjak. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 163–74.—**Hoche, O.** Der Wundstarrkrampf. Med. Klin., Berl., 1940, **36:** 1164.—**Hurst, A. F.** Tetanus. In his Med. Dis. War, 2. ed., Lond., 1941, 295–317; 3. ed., Lond., 1943, 398–421.—**Klose, F.** Tetanus. In: Wehrhygiene (Handloser. S.) Berl., 1944, 115–9.—**Manuilov, A. I.** K voprosu o stolbnjake voennogo vremeni. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 87–95.—**Monziols.** Le tétanos. Bull. Soc. méd. mil. fr., 1922, **16:** 114.—**Oltramare, J. H.** Le tétanos. In his Chir. guerre, Lausanne, 1944, 213–24.—**Teneff, S.** Il tetano. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 244–57, illust.—**Tetanus.** Rev. War Surg. & M., 1918, **1:** No. 5, 9–13.—**Troude.** Le tétanos. Bull. Soc. méd. mil. fr., 1921, **15:** 226.—**Trueta, J.** Tetanus. In his Principl. & Pract. War Surg., S. Louis, 1943, 119–28.—**Weed, F. W.** Tetanus. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11:** pt 1, 284–9.

—— Clinical aspect.

Boyd, P. L., & Maloney, J. D. A report of ten cases of tetanus. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 29, 12–6.—**Colborne, J.** A case of tetanus. J. R. Nav. M. Serv., 1947, **33:** 38.—**Detlefsen, M.** Der lokale Tetanus. Deut. Militärarzt, 1943, **8:** 335–8.—**Du Bourguet & Bénard.** Tétanos généralisé récidivant tardif d'allure grave chez un P. G. blessé de guerre; guérison par séroanatoxithérapie. Bull. Soc. méd. mil. fr., 1947, **41:** 125–7.—**Fox, T. A.** Attenuated tetanus; a case report. U. S. Nav. M. Bull., 1943, **41:** 1724.—

Franklin, C. L., & McMillan, J. S. Report on a case of tetanus with recovery. J. R. Army M. Corps, 1932, **58:** 139–40.—**Furneri, S.** Tetano tardivo circoscritto, localizzato all'arto superiore. Gior. med. mil., 1937, **85:** 408–10.—**Harper, S. B.** A report of 54 cases of tetanus complicating war wounds. J. Mil. M. Pacific, 1946, **2:** No. 3, 28–33.—**Hurst, A. F.** Localised tetanus. In his Med. Dis. War, 3. ed., Lond., 1943, 415–21.—**Linares Maza, A.** Un caso interesante de tétanos. Med. & cir. guerra, 1947, **9:** 179–81.—**Raymond.** Tétanos généralisé d'évolution particulièrement bénigne. Bull. Soc. méd. mil. fr., 1948, **42:** 182–4.—**Rebierre.** Tétanos tardif bénin localisé, à forme paraplégique, avec diverses associations trompeuses. Ibid., 1928, **22:** 145–50.—**Secchi, J., & Querol, H. E.** Tétano generalizado; curación. Rev. san. mil., B. Air., 1938, **37:** 636–40.—**Trofimov, V. V.** [Case of very severe form of tetanus, ending in recovery] Voen. med. J., Petrogr., 1915, **244:** Med. spec. pt, 399–403.

—— Complications.

Di Rienzo, S., & Criscuolo, E. Complicaciones vertebrales del tétanos. Rev. san. mil., B. Air., 1945, **44:** 1751–63.—**Dornier.** Série d'accidents consécutifs à des injections de sérum antitétanique. Arch. méd. pharm. mil., 1912, **60:** 526–9.—**Leal Dias, H.** Um caso de tétano agudo curado, complicado de deformidade torácica. Rev. med.° mil., Rio, 1940, **29:** 20–2.—**Mustafa, A.** [Cyphosis due to tetanus] Askerî sihhiye mecmuası, 1933, **62:** 188–90.—**Niemyski, A.** [Case of inflammation of the meninges, caused by infection with antitetanic serum] Lek. wojsk., 1926, 8: 22–8.

—— Etiology.

Butoianu, S., & Stoian, C. [Cases of post-operative tetanus] Rev. san. mil., Bucur., 1929, **28:** 55–61.—**Calmet, L.** Un cas de tétanos consécutif aux pratiques médicales druzes. Bull. Soc. méd. mil. fr., 1933, **27:** 226.—**De Sarlo, E.** Il tetano post-operatorio in rapporto alla patogenesi ed alla profilassi secondo gli insegnamenti della guerra mondiale. Gior. med. mil., 1926, **74:** 273–7.—**Ernst, W.** Spättetanus durch stumpfes Trauma über 14 Jahre nach der ursächlichen Kriegsverletzung. Arch. Hyg., Münch., 1931, **106:** 235–40. Also Wien. klin. Wschr. 1931, **44:** 1308–10.—**Gómez-Sigler, J. J.** Contribución al estudio del tétanos post-operatorio. Med. & cir. guerra, 1947, **9:** 19–24.—**Gunn, M. A. R., & Wilson, W.** A case of post-operative tetanus. J. R. Nav. M. Serv., 1949, **35:** 103–7.—**Palmer, P. F.** Notes on a case of tetanus [post-operative] J. R. Army M. Corps, 1940, **75:** 271–3.—**Simon, R., & Patey, G. A.** Du rôle des algies périphériques dans l'évolution des tétanos de guerre; action des infiltrations anesthésiques du sympathique. Mém. Acad. chir., Par., 1941, **67:** 364–6.—**Yazima, S.** Hasyōhū-kankin gahō no hatuga yōyaku ni kansuru tiken hoi; ozone-gasu no hasyōhū-kankin gahō no hatuga ni oyobosu eikyō [Supplementary study on the conditions of germination of tetanus spores; the effect of ozone on the germination of tetanus spores] Kaigun gun-ikai zassi, 1937, **26:** 775–84, pl.—**Zehrer, G.** Wundstarrkrampf nach Fistelfüllung. Deut. Militärarzt, 1943, 8: 175.

—— Immunology and serology.

See also **Tetanus toxoid; Vaccination.**

Aleksandrov, N. I. [The duration of active immunity against tetanus in immunization with the complex vaccine] Voen. san. delo, 1942, No. 10, 64–8.—**Alvarez-Sala, J. L.** Concepto actual de la seroterapia anti-tetánica preventiva. Rev. españ. med. cir. guerra, 1940, **4:** 313–5.—**Bacrí, J.** Prophylaxie du tétanos consécutif au pied des tranchées. Arch. méd. pharm. mil., 1916–17, **66:** 470.—**Ball, C. R.** Paralysis following injection of antitetanic serum; case report with serratus magnus involved. U. S. Nav. M. Bull., 1939, **37:** 305–9, pl.—**Barondes, R. D.** Tetanus immunization. J. Am. M. Ass., 1943, **122:** 1034.—**Bazy, L.** La prévention du tétanos. Arch. méd. pharm. nav., 1939, **129:** 463–5.—**Bocchini, A.** La profilassi immunitaria antitetanica in guerra. Athena, Roma, 1940, **9:** 372.—**Boyd, J. S. K.** Active immunization against tetanus. J. R. Army M. Corps, 1938, **70:** 289–307.—**Bruni, N.** Quando dev'esser praticata la iniezione preventiva di siero antitetanico. Gior. med. mil., 1932, **80:** 108–13.—**Control** (The) of tetanus. J. R. Army M. Corps, 1940, **74:** 36–44.—**Criado Cardona, R.** Vacunación antitetánica y vacunas asociadas; su empleo en el Ejército. Rev. españ. med. cir. guerra, 1940, **5:** 65–79.—**Custódio de Brito e Abreu, S.** Profilaxia do tétano. Bol. Dir. serv. saúde mil., 1938, 475–93.—**Ersoy, S., & Gören, S.** [Procuring a strong tetanus toxin; tetanus toxin, antitoxin and anatoxin] Askerî tibbi baytarî mecmuası, 1936, **13:** 259–67.—**Glenny, A. T., & Stevens, M. F.** The laboratory control of tetanus prophylaxis. J. R. Army M. Corps, 1938, **70:** 308–10.—**Hill, A. V.** Prevention of tetanus in the Army. Lancet, Lond., 1940, **2:** 635.—**Ibrahim Erses** [Comparative value of anti-tetanus vaccination] Askerî vet. mecmuası, 1939, **16:** 171.—**Jaeger, F.** Tetanusprophylaxe oder nicht? In: Kriegschir. Ratgeber, Berl., 1941, 189–202.—**Jakobsthal, E.** Zur Vorbeugung des Starrkrampfes im Heere. Münch. med. Wschr., 1914, **61:** 2079.—**Lagrange.** La vaccination antitétanique. Arch. belg. Serv. san. armée, 1940, **93:** 65–72.—**Liscoët, R.** L'injection antitétanique préventive en médecine militaire. Bull. Soc. méd. mil. fr., 1936, **30:** 105–8.—**Madsen, T., & Schmidt, S.** [Active immunization against tetanus] Militaerlaegen, 1935, **41:** 221–7.—**Martínez-Arroyo, J. M.** Vacunación antitetánica. Med. & cir. guerra, 1948, **10:** 529–38.—**Mespoulet.** La prophylaxie spécifique du tétanos dans l'Armée. Rev. vét. mil., Par., 1931, **15:** 466–80.—**Neto, J. C. M. F.** O problema da prevenção do tétano nas coletividades civís e militares. Rev. med. mil., Rio, 1948, **37:** 73–102.—**Prevention** of tetanus. J. R. Army M. Corps, 1940, **75:** 321–3.—**Prevention** of tetanus in American soldiers. Bull. Army M. Dep., Lond., 1942, No. 17, 10.—**Prevention** of tetanus in U. S. and Canadian soldiers. Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 50.—**Prevention** and treatment of tetanus in the war. J. Am. M. Ass., 1940, **115:** 69.—**Prophylactic** tetanus antitoxin. Bull. Army M. Dir., Lond., 1942, No. 13, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 49.—**Prophylactic** tetanus antitoxin for all battle casualties. J. Am. M. Ass., 1942, **120:** 856.—**Ramon, G.** Tetanus; toxin. CIOS Rep., Lond., 1944, Item 24, No. I–9&10, II–9, 6. ——— La vaccination contre le tétanos dans les armées alliées au cours de la II Guerre mondiale; ses résultats. Presse méd., 1948, **56:** 849. Also Schweiz. med. Wschr., 1949, **79:** 918.—**Razi H. Maner** [Experiments in active immunization against tetanus in the Army with T. A. P. vaccine] Askerî sihhiye mecmuası, 1941, **70:** 15–9.—**Regamey, R. H.** Bases expérimentales d'un vaccin antitétanique de type nouveau en Suisse. Vjschr. schweiz. Sanitätsoff, 1947, **24:** Spec. No., 62–9.—**Results** of massive active and passive immunization against tetanus during World War II. Bull. Commun. Dis. UNRRA, 1946, **5:** 844–7.—**Rost, J.** Nervenschädigungen nach Tetanus-Schutzimpfung. Deut. Militärarzt, 1938, **3:** 413–6.—**Sauter.** Die Starrkrampf-Schutzimpfung bei den ausländischen Armeen. Militärsanität, Zür., 1946, **28:** 36.—**Scheme** for the prophylaxis of tetanus. J. Am. M. Ass., 1943, **121:** 1299.—**Schneider, H.** Ueber die Notwendigkeit der wiederholten Tetanus-Schutzimpfung bei Kriegsverletzungen. Zbl. Chir., 1942, **69:** 1365–9. Also Bull. War M., Lond., 1942–4ↄ, **3:** 311 (Abstr.)—**Schöne, G.** Zur Tetanusprophylaxe in Krieg und Frieden. Zbl. Chir., 1939, **66:** 1025–34.—**Sneath, P. A. T.** Tetanus in warfare and the case for active immunization. J. R. Army M. Corps, 1936, **66:** 311–9.—**Soldiers** to be immunized against tetanus (Italy) J. Am. M. Ass., 1938, **111:** 462.—**Suhaţeanu, C. S., Albescu, V., & Mihai, I.** Contribuţiuni la studiul vaccinaţiunei antitetanice asociate. Rev. san. mil., Bucur., 1936, **35:** 971–8.—**Tetanus;** prophylaxis and notification. Bull. War M., Lond., 1942–43, **3:** 250 (Abstr.)—**Tetanus** prophylaxis. Bull. Army M. Dep., Lond., 1942, No. 18, 1.—**Tetanusschutzimpfung** in der Armee und zivilärztliche Tetanusprophylaxe. Bull. Eidg. Gesundhamt., 1943, 166.—**Traitement** (Du) préventif du tétanos par la sérum antitétanique. Caducée, Par., 1915, **15:** 142.—**Van Wagoner, F. H.** Active immunization against tetanus in warfare. Mil. Surgeon, 1937, **81:** 365–9.—**Vidaurreta, M. F.** Vacunoterapia antitetánica. Rev. san. mil., B. Air., 1944, **43:** 798–822.—**Vuksanović, V.** Anatoksin tetanusa i njegova upotreba u imunizatorne svrhe kod ljudi. Voj. san. pregl., Beogr., 1948, **5:** 300–5.

—— Incidence.

See also **Wound infection.**

Seinis, V. N. Столбняк. p. 184–275. 26½cm. Moskva, 1950.

In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 2:

Arnold, M. W., & McDaniel, T. W., jr. Observations on tetanus in Guam (1905–37) U. S. Nav. M. Bull., 1939, **37:** 289–302.—**Boyd, J. S. K.** Tetanus in the African and European theatres of war, 1939–45. Lancet, Lond., 1946, **1:** 113–9.—**Case** of tetanus in a prisoner of war. Med. Bull. North Afr. Theater U. S., 1944, **1:** No. 3, 17.—**Chung, S. F.** [Tetanus in wartime] Nat. M. J. China, 1941, **27:** 362–73.—**Cummins, S. L.** Tetanus in the British Army during the European war (August, 1914 to November, 1918) Rapp. Congr. Soc. internat. chir., 5. Congr. (1920) 1921, 605–35.—**Foraker, A. G., & Jaycocks, J. F.** A survey of tetanus in the soil of Key West, Florida. Mil. Surgeon, 1941, **89:** 747–50.—**Glenn, F.** Tetanus; a preventable disease, including an experience with civilian casualties in the battle for Manila (1945) Ann. Surg., 1946, **124:** 1030–40.—**Grundmann.** Meine Beobachtungen über Tetanus im Frieden und im Felde. Berl. klin. Wschr., 1915, **52:** 180.—**Harper, S. B.** A report of 54 cases of tetanus complicating war wounds. Wisconsin M. J., 1947, **46:** 900–3.—**Järvinen, A.** Förekomsten av tetanus under kriget. Nord. med., 1941, **9:** 236.—**Latten, W.** Die Bedeutung des Tetanus in den Kriegen der Vergangenheit. Veröff. Heer. San., 1939, No. 108, 53–61.—**Long, A. P., & Sartwell, P. E.** Tetanus in the United States Army in World War II. Bull. U. S. Army M. Dep., 1947, 7: 371–85.—**Rendu, R.** Causes de la régression du tétanos de guerre. J. prat., Par., 1949, **63:** 153–8.—**Ruas Martins Junior, S.** A incidência, a profilaxia e o tratamento do tétano e da gangrena gasosa em cirurgia de guerra. Rev. méd. mun., Rio, 1945, **6:** 63–73.—**Sauvé, L.** Quelques remarques sur les cas de tétanos observés durant la récente guerre. Mém. Acad. chir., Par., 1941, **67:** 361–4.—**Schmidt, R.** Ueber das Vorkommen von Tetanuskeimen im Boden des Kaiserstuhls. Veröff. Heer. San., 1938, H. 105, 168–81.—**Smith, E. J. R.** Tetanus in a London sector in two years of war. Proc. R. Soc. M., Lond., 1941–42, **35:** 340–3.—**Tetanus** during World War II. Statist. Navy M., 1947, **3:** No. 12, 12.—**Tetanus** in home military hospitals. Brit. M. J., 1917, **2:** 736; 1918, **1:** 324; 415.—**Tetanus** in military hospitals. J. Am. M. Ass., 1917, **69:** 1371.—**Wickes, G. L.** Tetanus in Haiti. U. S. Nav. M. Bull.,

1918, 12: 86.—**Wildegans, H.** O tétano na guerra teutopolonesa. Cienc. med., Rio, 1942, 11: 76–83.

—— Pathology.

Gunther, L., & Walker, J. E. Localized tetanus; use of the oscillograph electrocardiograph for recording of normal and of abnormal action currents of skeletal muscle (electromyograms) War Med., Chic., 1943, 4: 57–60.—**Tikhomirov, M. P.** [Present state of science concerning the pathogenesis and treatment of tetanus] Voen. med. J., Petrogr., 1915, 243: Med. spec. pt. 41–87.

—— Treatment.

Luzzatto, A. M. La difesa contro il tetano (sieroterapia) 23p. 16° Milano, 1918.
Forms No. 15, Probl. san. guerra.

Abate, A. Circa un caso di tetano guarito con il siero antitetanico Tizzoni. Gior. med. mil., 1934, 82: 1008–16.—**Andrieu, G. R. J. J.** Données nouvelles sur le traitement du tétanos: du traitement curatif. Arch. méd. pharm. mil., 1934, 100: 497–527.—**Bacri, J.** Early treatment of tetanus in military hospitals in time of war. Lancet, Lond., 1915, 1: 1196.—**Buzello, A.** The treatment of tetanus. Bull. War M., Lond., 1941–42, 2: 164 (Abstr.) 354 (Abstr.)—**Cazamian.** Sur un cas de tétanos grave guéri par le sérum (injections mixtes, intrarachidiennes et intraveineuses) Arch. méd. pharm. nav., 1914, 102: 128–44.—**Drakuli-Kritikos, M. K.** Lećenie stolbnjaka antitetanićeskoj syvorotkoj putem vvedenija eja v spinnomozgovoj kanal. Voen. med. J., S. Peterb., 1912, 234: Med. spec. pt, 599–603.—**Gaubert.** Le traitement du tétanos par l'urotropine sérum. Rev. vét. mil., Par., 1932, 16: 461–5.—**Gras.** Un cas de tétanos aigu guéri par le sérum à doses massives. Arch. méd. pharm. mil., 1916–17, 66: 478.—**Gunzin** igaku; hasyōhū no ryūku ryōhō [Military medicine: treatment of tetanus with magnesium sulphate] Tōzai igaku, 1941, 8: 359.—**Iglesias y de la Torre, L. J., Villiers Rodríguez, R. F. de, & Fernández Martí, J. J.** Tétano y traqueotomía; reporte de un caso. Bol. Hosp. milit., Habana, 1949, 2: 50–4.—**Jelesijević, M. M.** Antitetanični serum i poslednice njegove primene. Voj. san. glasnik, 1935, 6: 447–50.—**Jirou & Monziols.** Un cas de tétanos traité et guéri par des injections intra-rachidiennes de sérum antitétaniques. Arch. méd. pharm. mil., 1914, 63: 182–7.—**Kikuti, K., & Watanabe, Z.** Tokuhatu-sei hasyōhū kanzya no iti tiken rei [Cure of a case of idiopathic lockjaw (tetanus)] Gun idan zassi, 1930, 451–6.—**Mashtakov, A. V.** [Treatment of tetanus] Voen. med. J., Petrogr., 1915, 244: Med. spec. pt, 382–98.—**Nager.** Die Avertinnarkose bei der Tetanuserkrankung in Verbindung mit der Heilserumbehandlung. Veröfl. Heer. San., 1938, H. 105, 478–88.—**Omer Loutfi** [Quelques expériences sur la traitement du tetanos] Rev. méd. vét. mil., Istambul, 1926, 4: 284–8.—**Panaitescu, V., Popescu, C., & Tătăranu, G.** Tetanos cronic întârziat, formă toraco-abdominală, cu paraplegie spasmodică inferioară, tratat şi vindecat cu doze masive de ser antitetanic. Rev. san. mil., Bucur., 1928, 27: 289–92.—**Plateau.** Au sujet du traitement sérothérapique du tétanos. Rev. vét. mil., Par., 1926, 10: 303–8.—**Radianu, G., & Igna, N.** [Observations on tetanus in relation to two cases treated successfully by specific serotherapy] Rev. san. mil., Bucur., 1934, 33: 333–7.—**Raventós Moragas, A.** El empleo del evipán sódico en el tratamiento del tétanos. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 263–7.—**Rogozin, I. I.** [Treatment of tetanus with serum] Voen. san. dielo, 1936, No. 7, 36–8.—**Rouquès, L.** Le tétanos; la vaccination et la séro-vaccination, conduite à tenir chez les blessés, le début du tétanos et les tétanos partiels des membres, la séro-anatoxithérapie. Presse méd., 1940, 48: 497–9.—**Schwerdtfeger, H.** Ein Beitrag zur Behandlung des Wundstarrkrampfes. Deut. Militärarzt, 1943, 8: 322–5.—**Seedorf, J.** [Tetanus (in war surgery)] Militaerlaegen, 1939, 45: 178–89.—**Siemon.** Kurze Mitteilung über Wundstarrkrampffälle und ihre Behandlung im Reservelazarett Münster i. W. Münch. med. Wschr., 1914, 61: 2322.—**Siméon, A., & Marcandier.** Considérations sur le traitement du tétanos déclaré. Rev. méd. nav., Par., 1948, 3: 195–201.—**Simon, R., & Patey, G. A.** Le tétanos de guerre, à propos des 14 cas observés au Centre sanitaire français de Besançon; action des infiltrations anesthésiques du sympathique. Presse méd., 1940, 48: 935–7.—**Stern, L. S.** [The treatment of tetanus] Voen. san. delo, 1942, No. 10, 61–4.—**Tetanus** in war; value of the serum treatment. Hospital, Lond., 1915, 59: 40.—**Zee, M. L., Stein, A. F.** [et al.] The treatment of tetanus. Mil. Surgeon, 1941, 89: 685–94.

—— in animals.

Bliss, E. A., Lond, P. H., & Smith, D. G. Chemotherapy of experimental gas gangrene and tetanus infections in mice. War Med., Chic., 1941, 1: 799–810.—**Discussion** of methods available for prevention, treatment and control of the disease; military importance and possible influence of future military operations of United States Army. Vet. Bull., Wash., 1933, 27: 222–6.—**Ibrahim Erses** [Tetanus in dogs] Askerî vet. mec. muasi, 1939, 16: 229–32.—**Lebailly, J.** Sur la contracture du muscle labial et du muscle mental dans les cas de tétanos fruste chez le cheval. Rev. vét. mil., Par., 1948, 3: 209.—**Lichty, D. L.** Penicillin therapy in fatal case of equine tetanus. Bull. U. S. Army M. Dep., 1946, 5: 486.—**Milana, G., & Callerio, C.** L'eliminazionc dell'antitossina negli animali trattati con inoculazioni successive di siero antitetanico. Gior. med. mil., 1940, 88: 56–61.—**Peatt, E. S. W.** The treatment of tetanus by forced exercise. J. R. Army Vet. Corps, 1939, 10: 161–3.—**Reynolds, F. H. K., Simmons, J. S., & St. John, J. H.** The use of tetanus anatoxin in the protection of horses against infection by Clostridium tetani. Mil. Surgeon, 1931, 68: 291–3.—**Zeki Iren.** Ilerlemiş tetanus vak'alarinin yüksek dozda antitetanik serumla tedavisi. Askerî vet. mecmuasi, 1941, 19: 134–6.

TETANUS toxoid.

See also **Tetanus,** Immunology and serology.

India. Army Medical Directorate. Tetanus toxoid. p.2 25cm. Delhi, 1945.
Forms No. 293, Admin. Instr. M. Dir. Army India.

United States. Navy. Bureau of Medicine and Surgery. Alum precipitated tetanus toxoid, use of, in immunization of all Marine Corps personnel [letter] 2p. 26½cm. Wash., 1941.

Active immunization against tetanus by vaccination with tetanus toxoid; S. G. O. Circular Letter No. 34, April 16, 1941. Army M. Bull., 1941, No. 57, 81–4. Also J. Am. M. Ass., 1941, 116: 2857. Also War Med., Chic., 1941, 1: 426–8.—**Argibay Molina, M.** Tetanos; vacunación preventiva por la anatoxina. Rev san. mil., B. Air., 1935, 34: 158–62.—**Brown, C. P., & Etris, S.** Tetanus toxoid immunization. Med. Bull. Veterans Admin., 1939–40, 16: 25–9.—**Campbell, J. G. C.** The preparation of formol toxoid and alum precipitated toxoid. J. R. Army M. Corps, 1938, 70: 311.—**Donaldson, C. G. M.** Anaphylactic reaction on immunization with tetanus toxoid. Ibid., 1942, 78: 45.—**Edip H. Beker** [Case of tetanus following vaccination with anatoxin] Askerî sihhiye mecmuasi, 1941, 70: 14–6.—**Hall, W. W.** Active immunization against tetanus with tetanus toxoid. Mil. Surgeon, 1937, 80: 104–14. Also U. S. Nav. M. Bull., 1937, 35: 33–41. ——— Tetanus toxoid immunization in the United States Navy. Ann. Int. M., 1940–41, 14: 565–82. ——— The U. S. Navy's war record with tetanus toxoid. Ibid., 1948, 28: 298–308. ——— & **Hayden, R.** Active immunization against tetanus; using alum-precipitated tetanus toxoid. U. S. Nav. M. Bull., 1938, 36: 524–35.—**Immunization** of all personnel against tetanus, by the use of alum precipitated (insoluble) tetanus toxoid [form letter] Bumed News Lett., Wash., 1943, 1: No. 4, 21–3.—**Immunization** with tetanus toxoid and yellow fever vaccine. U. S. Nav. M. Bull. 1931, 39: 572.—**Jordan, E. P., & Halperin, G.** Tetanus toxoid for prophylaxis. War Med., Chic., 1941, 1: 227–46.—**Junghanns, H.** Die wehrchirurgische Bedeutung der Tetanusprophylaxe, mit Tetanusantitoxin, und der aktiven Immunisierung gegen Wundstarrkrampf, mit Tetanusanatoxin. Deut. Militärarzt, 1939, 4: 525–8.—**Kaplan, A.** La vacuna antitetánica de Ramón; su eficacia en los ejércitos aliados. Día méd., B. Air., 1947, 19: 1899.—**Long, A. P.** Tetanus toxoid; its use in the United States Army. Am. J. Pub. Health, 1943, 33: 53–7.—**Miller, J. J., jr, Ryan, M. L., & Beard, R. R.** The speed of the secondary immune response to tetanus toxoid with a review of war reports and observations on simultaneous injection of toxoid and antitoxin. Pediatrics, Springf., 1949, 3: 64–74.—**Newhouser, L. R.** Tetanus toxoid immunization. Mil. Surgeon, 1941, 88: 371–4.—**Owczrewica, Saski, S., & Stetkiewicz.** Les essais de vaccination préventive avec de l'anatoxine tétanique dans l'Armée polonaise. Actas Congr. internac. med. farm. mil., 1933, 2: tema 2, 63–5, pl.—**Precipitates in** tetanus toxoid. Bull. Army M. Dep., Lond., 1942, No. 18, 4. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 51.—**Ramon, G.** La vaccination contre le tétanos au moyen de l'anatoxine tétanique durant la guerre; sa grande efficacité. Bull. Acad. méd., Par., 1944, 128: 485–8. ——— La vaccination au moyen de l'anatoxine tétanique des effectifs militaires; sa grande efficacité dans la prévention du tétanos pendant la guerre. Presse méd., 1944, 52: 333. ——— La vaccination contre le tétanos au moyen de l'anatoxine tétanique; résultats d'ensemble obtenus dans certaines armées alliées durant la guerre. Bull. Acad. méd., Par., 1946, 130: 520–5.—**Richou, R.** L'immunisation active au moyen de l'anatoxine tétanique à pratiquement fait disparaitre le tétanos dans les armées alliées durant la guerre. Presse méd., 1946, 54: 669.—**Sadık.** Ankara serum ve aşi evinde ordu hayvanlarinin vaksinasyonu için hazirlanan tetanos anatoksinlerinin imünizan kiymetleri üzerinde bir tecrübe [Une expérience de laboratoire sur la valeur immunisante des anatoxines tétaniques préparés pour la vaccination des animaux de l'Armée] Askerî tibbi baytari mecmuasi, 1932–33, 10: 686–90.—**Suhateanu, Alvescu, V., & Ion, M.** Prophylaxis of tetanos infection in the Roumanian Army by active immunization with tetanos toxoid. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 2: 286.—**Sulzberger, M. B.** Chronic urticaria following a single injection of tetanus toxoid. U. S. Nav. M. Bull., 1942, 40: 415–8.—**Tetanus** toxoid Immunization. War Med., Chic., 1941, 1: 267–9.—**Tetanus** toxoid for preventive inoculation against infection with tetanus; application to certain civilian staff (Admiralty Orders) J. R. Nav. M. Serv., 1940, 26: 89.—**Use** of alum precipitated tetanus toxoid in Immunization of all Marine Corps personnel. [Form letter from the Chief of the

Bureau of Medicine and Surgery of the United States Navy] War Med., Chic.1941, 1: 569.—**Zeki Iren** [Tetanus toxin and anatoxin] Askerî vet. mecmuası, 1939, **16**: 242–66.—**Zoeller, C. J.** La vaccination contre le tétanos par l'anatoxine tétanique. Arch. méd. pharm. mil., 1928, **89**: 65–80.

TETANY.

See also **Hyperventilation; Parathyroid.**

Hagimoto, H. Kanketu-sei tyôsetu keiren no iti rei [Case of tetany] Gun idan zassi, 1928, 1233–49.—**Patient, W. F., & Jewett, E. L.** Postoperative psychogenic tetany; case report. Mil. Surgeon, 1949, **105**: 128–30.—**Perkins, J. N.** Observation for seizures. Med. Bull. Veterans Admin., 1934–35, **11**: 253–5.—**Read, J. M.** Tetany from overbreathing. U. S. Veterans Bur. M. Bull., 1929, **5**: 491–3.—**Trum, B. F.** Grass intoxication and tetany. Army Vet. Bull., 1942, **36**: 110–6.—**Van der Heide, H. M.** Over enige gevallen van tetanie bij Nederlandse Militairen. Med. mbl., Batavia, 1948, 379–84.

TETRACHLORETHANE.

Elliott, J. M. Report of a fatal case of poisoning by tetrachlorethane. J. R. Army M. Corps, 1933, **60**: 373.—**Friedman, N. H.** Hazards of tetrachlorethane on shipboard; a case report of acute necrosis. U. S. Nav. M. Bull., 1943, **41**: 1792–5.—**Hepple, R. A.** An unusual case of poisoning. J. R. Army M. Corps, 1927, **49**: 442–5.—**Sharon, I. C.** Toxicity of industrial organic solvents, with particular reference to tetrachlorethane. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 13, 16–8.

TETRAHYDRO-BETA-NAPHTHOL.

See under **Naphthol.**

TETRAVACCINE.

See **Immunization,** combined; **Vaccination.**

TETRAZOLIUM.

Kuhn & Lakon, C. Tetrazolium. CIOS Rep., Lond., 1945, Item 24, No. XX–1, 11.

TEXTILE.

See also **Clothing,** Fabric; **Fluorescent fabric.**

Bayley, C. H. Bacteriostatic treatment of fabrics. 5p. 28cm. [Ottawa, 1944.

Forms No. C–6084, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Cowan, J. S., & Leavitt, H. J. Spun glass fabrics (TED. No. UNL–255002) test for skin irritations. 7 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X–719, U. S. Nav. M. Field Res. Laborat.

Fourt, L., & Harris, M. The resistance of fabrics to the diffusion of water vapor. 10p. 28cm. Wash., 1944.

Forms No. 243, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Fourt, L., & Parrish, M. E. Quamco cloth (bonded silica aerogel fabric) 2p. 28cm. Wash., 1945.

Forms Rep. No. 459 of preceding project.

Friedman, R. Air sampling and activity of perm-aseptic in blankets. 3p. 28cm. [Ottawa, 1944]

Forms No. C–6054D, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Gibbard, J., & Naubert, J. Bacteriostatic treatment of fabrics. 2p. 28cm. Ottawa, 1943.

Forms No. C–6052, Rep. of preceding committee.

McEachern, D. S., & Whittaker, J. A summary of agents reputed to render fabrics bacteriostatic or fungicidal. 4p. 28cm. Ottawa, 1944.

Forms No. C–6054C, Rep. of preceding committee.

United States. Entomology and Plant Quarantine Bureau. Insects in relation to national defense. Circular 3: Fabric insects. 13 numb. l. 23cm. Wash., 1941.

Bacteriostatic fabrics. J. Canad. M. Serv., 1945–46, **3**: 418.—**Evaluation** of the fire hazards involved in impregnation of fabrics with insecticides and discussion of methods for such impregnation. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 39.—**Friedman, R.** Bacteriostatic action of treated fabrics. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 3, C.6128, 1–12.—**Volzhinsky, V. A.** Pribor dlja opredelenija vorsistosti tkanej. Voen. san. delo, 1943, No. 10, 49.

THAILAND.

See **World War II.**

THALAMUS.

See also **Nervous system.**

Lastres, J. B. Un caso de síndrome talámico. Rev. san. mil., Lima, 1948–49, **21–22**: 55–63.—**Steinberg, M.** The thalamic syndrome. Med. Bull. Veterans Admin., 1932, **8**: 215–7.

THALASSOLOGY.

See with **Therapeutics,** Balneotherapy.

THALLIUM.

McNamara, B. P. Systemic thallium poisoning; a review of the literature. 14 l. 22cm. Edgewood Arsenal, 1944.

Forms Rep. No. 15, Med. Div. Chem. Warf. Serv. U. S. Army.

—— & Hopkins, F. H. The comparative efficacy of BAL, $Na_2S_2O_3$ and NaI against thallium acetate poisoning in rabbits. 5p. 27cm. Edgewood Arsenal, 1946.

Forms Rep. No. 77, Med. Div. Chem. Warfare Serv. U. S. Army.

Sessions, H. K., & Goren, S. Report of investigation of health hazards in connection with the industrial handling of thallium. U. S. Nav. M. Bull., 1947, **47**: 545–50.

THEATER of operations.

See also **Dental service**—by countries: United States; **Dermatology,** Organization; **Occupied area**; also such terms as **Arctic service,** Medical aspect.

United States. War Department. Field manual F M 8–5: Medical Department units of a theater of operations, May 1945. 458p. 17cm. Wash., 1945.

Care of the wounded in theaters of operation. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 178, 1–10. Also War Med., Chic., 1943, **4**: 514–20.—**[Major** problems encountered in the theater] In: Prev. Med. in World War II, Wash., 1948, **3**: 9.—**Turner, T. B., & McDonald, G. W.** Civil public health in overseas theaters of operations. Mil. Surgeon, 1945, **96**: 131–4.

THEATER of war.

See also **Theater of operations; Zone.**

Lepley, W. M. Psychological research in the theaters of war. 202p. 23½cm. Wash., 1947.

Forms No. 17, Res. Rep. Aviat. Psychol. U. S. Air Forces.

THEILERIA.

Velu. Existe-t-il des rechutes dans la theilériose Nord-Africaine. Rev. vét. mil., Par., 1933, **17**: 303–8.

THEMATIC apperception test.

Jaques, E. The clinical use of the thematic apperception test with soldiers. J. Abnorm. Psychol., 1945, **40**: 363–75.—**Kass, W., & Ekstein, R.** Thematic apperception test diagnosis of a Nazi war criminal. Tr. Kansas Acad. Sc., 1948–49, **51**: 344–50.

THERAPEUTIC appliance.

See under **Hospital service.**

THERAPEUTICS.

See also **Aeromedicine; Dermatology; Exercise,** therapeutic; **Neurology; Occupational therapy; Ophthalmology; Physical therapy** and subheadings.

United States. Army. European Theater of Operations. Office of the Chief Surgeon. Manual of therapy. 156p. 15cm. n.p., 1944.

Guleke, Rieder [et al.] Principles of therapy. CIOS Rep., Lond., 1945, Item 24, No. XXVI–23, 8–14.—**MacNeill, A. E.** Therapeutic engineering in military medicine. Mil. Surgeon, 1949, **104**: 30–8.—**Marín, J.** Prólogo del Tratado de terapeutica clínica, del Dr. Cesar Gordillo Zuleta. Rev. san. nav., Valparaiso, 1939, **9**: 64–7.—**Mason, V. R., & Mitchell, W. J.**

Common diseases and their treatment in Army hospitals. Rocky Mountain M. J., 1944, **41**: 96–100.—**Read, B. E.** Therapeutic requirements; suggested war-time measures. Chin. M. J., 1941, **59**: 287–93.—**Smirnov, E. I.** [Problems of field therapy; rôle of the therapeutist] Sovet. med., 1941, **5**: No. 17, 6–10.—**Vovsi, M.** Terapevt (internist) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 462. ——— Terapija voenno-polevaja. Ibid., 465–75.

—— Agents.

See also **Drug; Drug supply; Pharmacotherapy.**

United States. Veterans Administration. Technical bulletin TB 10–17: Procedure for use in VA hospitals of experimental or investigational drugs not commercially available in interstate commerce. 2p. 27cm. Wash., 1946.

Billman, D. E., Cooper, H. R., & Parker, R. C., jr. Thiomerin; a mercurial diuretic for subcutaneous administration. U. S. Armed Forces M. J., 1950, **1**: 332–5.—**Cezmi Türk** [New medicaments in therapeutic practice] Askerî sihhiye mecmuası, 1940, **69**: 123–30.—**Garbien, J.** [Causyth in surgery] Lek. wojsk., 1936, **27**: 713–21.—**Grüner, T.** Kalium permanganicum kao kaustik. Voj. san. pregl., Beogr., 1947, **4**: 268.—**Hildreth, H.** Sobita—bismuth et sodii tartras and its uses. J. R. Army M. Corps, 1937, **68**: 55–8.—**López Mayor, J.** La substancia P de Oriel en las manifestaciones alérgicas. Rev. san. mil., Habana, 1939, **3**: 32–9.—**Muniz Barreto, L.** Tropeços de principiantes; tartarato de potassio e sódio. Rev. med. mil., Rio, 1939, **28**: 293.—**Opizzi, J.** La dieta en los cardiohépatorenales crónicos con edemas. Rev. san. mil., B. Air., 1940, **39**: 843–9.—**Reese, J. M.** Some Chinese and Indian cures. J. R. Nav. M. Serv., 1937, **23**: 254–7.—**Some** new therapeutic agents. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 5, 16.—**Vorschrift** zur Herstellung von Kaurit MKF. CIOS Rep., Lond., 1945, Item 30, 8, 22, 24, No. XXV–26, 16–8.—**Wirth, W., Anthony & Orzechowski.** Zur Frage der Verwendung stark wirksamer Arzneimittel bei der Truppe ohne Kontrolle durch den Arzt. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 207–9.

—— Antibiotics.

See also names of antibiotic substances as **Penicillin; Streptomycin,** etc.

Cirkunenko, K. M., Kost, E. A. [et al.] Itogi primenenija gramicidina v klinike; po materialam frontovoj brigady i bolnicy im. Botkina. Vest. Akad. med. nauk SSSR, 1946, No. 4, 56.—**Gauze, G. F., & Brazhnikova, M. G.** Gramicidin i penicillin. In: Dost. sovet. med. Oteć. vojny, 1943, **1**: 149–62.—**Tokin, B. P.** Fitoncidy. Ibid., 142–8.

—— Balneo- and climatotherapy.

See also **Mineral water; Sauna.**

Couderc, J. *Contribution à l'étude de l'évolution du thermo-climatisme militaire. 55p. 24cm. Par., 1940.

Bastow, J. The value of spa treatment for certain types of war injuries. Med. Press & Circ., Lond., 1945, **214**: 280–2.—**Bykhovsky, Z. E., Vinogradov, N. A.** [et al.] [Combined treatment with sulphur-hydrogen baths, mud applications, therapeutic exercises and massage of the sequels of gun-shot war traumas of the organs of locomotion and arms] Vopr. kurort., 1941, 24–7.—**California's** mineral springs resources as available sites for military hospitals. California West. M., 1943, **58**: 137.—**Canov, A. I.** [Combined treatment of gunshot injuries on the southern shore of the Crimea] Vopr. kurort., 1941, No. 2, 52.—**Centro** (Il) termale militare di Montecatini. Boll. Accad. med. pistoiese, 1941, **14**: 27–59.—**Congrès** international de thalassothérapie. Voj. zdrav. listy, 1948, **17**: 329.—**Forestier, J., & Certonciny, A.** Les troubles pathologiques dus aux événements de la guerre et leur traitement aux stations thermales. Gaz. méd. France, 1946, **53**: 227–9.—**Friedland, E. P.** [Fangotherapy in rear evacuation hospitals] Sovet. med., 1944, **8**: No. 7, 21.—**Gião, M. R. F.** O tratamento de milltares nas águas minerais. Clín. hig. & hidr., Lisb., 1938, **4**: 126.—**Glax.** Die Thalassotherapie als Heilfaktor bei Kriegsverletzungen und -Erkrankungen. Behandl. Kriegsverletz., Jena, 1916, T. 2, 212–28.—**Goldberg, N. G.** Racionalnaja organizacija vodolećebnic Sovetskoj Armii [Organization of hydropathics] Voen. med. J., Moskva, 1947, No. 5, 20–32.—**Henschke, U.** Künstliche Sonnenbäder, Sauna- und Sportanlagen als Vorbeugungsmassnahmen bei der Truppe. Deut. Militärarzt, 1942, **7**: 436–42.—**Ignătescu, N.** Die rumänische Meeresküste als balneo-klimatischer Heilfaktor. Rev. san. mil., Bucur., 1937, **36**: 569–77, illust.—**[International]** Congrès international de la Mer. 3. congr., Ostende, juillet, 1946. Arch. Serv. san. Armée belge, 1946, **99**: 329–31.—**Irimescu, G.** Contribuţiuni la studiul indicaţiunilor, contraindicaţiunilor şi rezultatelor clinice în tratamentul hidromineral la Băile Herculane. Rev. san. mil., Bucur., 1935, **34**: 30–42.—**Kimelman, B. I.** [Results of fango-therapy of war traumas at the Saki resort] Vopr. kurort., 1941, 28–31.—**McClellan, W. S.** The importance of spas in the military and defense program. J. Arkansas M. Soc., 1942–43, **39**: 129–35.—**Pisani, S.** Il Centro termale militare di Montecatini. Riv. idroclim., 1942, **53**: 1, passim.—**Rakhmanov, A.** Kurorty. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 296–302.—**Raumond, M. A.** Considération sur les admissions à la station thermale du Mont-Dore. Bull. Soc. méd. mil. fr., 1949, **43**: 27.—**Rouppert, S.** [Importance of balneotherapy in general and for the Army in particular] Lek. wojsk., 1938, **31**: 385–99.—**Rubenstein, C. L.** Balneology and its role in the Victory Program of the U. S. S. R. Med. Times, N. Y., 1944, **72**: 292–4.—**San Román y Rouyer, J. de.** La cura balnearia en el Ejército; su aplicación en la guerra y en la postguerra. Actas Congr. méd. mil. (Spaln) 1939, 1. Congr., 294–8.—**Schmidt, L., & Weisz, E.** Die Versorgung der Kriegskranken in den Bädern der Tschechoslowakei. Zschr. wiss. Bäderk., 1927–28, **2**: 998–1001.—**Schnelle, K. W.** Balneotherapeutische Behandlung bewegungsgestörter Gliedmassen und schlecht heilender Wunden. Med. Klin., Berl., 1940, **36**: 365.—**Uebersicht** über die während des Berichtsjahres verordneten Bade- usw. Kuren. San. Ber. Deut. Marine (1912–13) 1917, 165–71.—**Villaret, M., & Justin-Besançon, L.** Problèmes actuels de thermo-climatisme social. Monde méd., 1940, **50**: 129–36.—**Wszelaki, S.** Inowroctaw jako uzdrowisko kapielowe. Lek. wojsk., 1927, **9**: 319–38.—**Yeoman, W.** Spa treatment and its value in war time. Med. Press & Circ., Lond., 1941, **206**: 374–6.

—— Blood transfusion.

See as main heading; also subheading (Fluid therapy)

—— Chemotherapy.

See also names of chemicals as **Sulfonamide; Sulfonamide therapy.**

Ellis, W. J., & Gresford, G. B. Work on synthesis and production of drugs 3065 (2: 2′-dihydroxy-5: 5′-dibromo benzil) and 3214 (2: 2′-dihydroxy-3: 3′-5: 5′-tetrachlor benzil) 13p. 25cm. Lond., 1945.

Forms Rep. No. 219, Item No. 24, BIOS Final Rep., Lond.

Alexandrescu, D., & Radvan, I. Contribuţiuni la chimioterapia paludismului in armată. Rev. san. mil., Bucur., 1937, **36**: 242–50.—**Chemotherapy** of pathogenic agents. Res. Program U. S. Army M. Res. Bd, 1948, Jan., **87**.—**Coburn, A. F.** Precision bombing in chemotherapy. U. S. Nav. M. Bull., 1944, **43**: 52–8.—**Geiling, E. M. K.** Chemotherapy. In: Med. & War (Taliaferro, W. H.) Chic., 1944, 40–54.—**Hillman, C. C.** Observations on chemotherapy in the Army. Proc. Am. Drug Manuf. Ass., 1944, **33**: 69–75.—**Kimmig.** New results of chemo-therapeutic research. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 2, 105–7.—**Moshkovsky, S.** Khimioterapija. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 854–8.—**Quentin.** Veteriner nekimliginde B. Q. X. ile tedavi (transl.) Askerî vet. mecmuası, 1948, **26**: 56 [Abst.]—**Swett, P. P.** Chemotherapy in war wounds and compound fractures. Connecticut M. J., 1942, **6**: 713–5.—**Thrower, W. R.** Chemotherapy. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 491–501.—**Trueta, J.** Chemotherapy. In his Principl. & Pract. War Surg., S. Louis, 1943, 195–213.—**Winkler, A.** Bemerkenswerte Fälle und deren Chemotherapie. Deut. Militärarzt, 1943, **8**: 321.

—— Cold therapy.

See also **Surgical technic,** Anesthetization—by type of anesthetic: Refrigeration.

Bowers, W. F. Refrigeration therapy in vascular trauma. Mil. Surgeon, 1943, **93**: 289–94.—**Fralick, E. H.** Hypothermia in military practice. Med. Clin. N. America, 1943, **27**: 1166–77.

—— Digitalis.

Gootnick, A. The use of digitalis, with special reference to its toxicity. 10p. 27cm. Wash., 1949.

Forms TB 10–57, Veterans Admin. Techn. Bull.

Bulajewski, M. Durabilité de la solution di Digipurat dans les ampoules. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., **2**: 284.—**Corrêa de Sousa, R.** Digitalis e digitalinas. Rev. med. mil., Rio, 1944, **33**: 403–6.

—— Educational therapy.

See also **Health education; Hospital service,** educational.

United States. Veterans Administration. Technical bulletin TB 10A–116: Educational therapy for patients in VA hospitals. 8p. 27cm. Wash., 1948. Also Change 1 [1] p. 27cm. Wash., 1948.

—— Electroshock therapy.

See also **Shock therapy.**

Betts, G. A. Electric shock therapy. J. R. Nav. M. Serv., 1943, **29**: 127–30.—**Electro-shock** therapy procedure. Bull. U. S. Army M. Dep., 1946, **6**: 571–5.—**Lowinger, L., & Huddleson, J. H.** Results of electric shock therapy in the first 150 cases at the Veterans' Facility, Northport, N. Y. Mil. Surgeon, 1945, **97**: 271–7.—[**Nerve** Btry; electrical shock technique] In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 7f, 1.—**Reznikoff, L.** Electric shock therapy in an Army general hospital. J. M. Soc. N. Jersey, 1946, **43**: 269.—**Rizzo, C.** Il trattamento delle malattie mentali con l'elettroshock. Gior. med. mil., 1942, **90**: 161–73.—**Rondanini, G.** Comportamento degli aminoacidi ncl sangue e nel liquor nell'elettroschok. Ann. med. nav., Roma, 1946, **51**: 113–22.—**Tatarelli, G.** Le terapie da shock; proposte per l'applicazione della elettroshockterapia negli ospedali militari. Ibid., 1948, **53**: 35–46.

—— Electrotherapy.

DURRUM, E. L. A microelectrophoretic and microionophoretic technique. 21 l. 29cm. Fort Knox, 1949.

Forms Proj. No. 6–64–12–06–(18) U. S. Army M. Dep. Field Res. Laborat.

Mason, E. F. Some aspects of electrodiagnosis and electrotherapy in the Royal Air Force. Proc. R. Soc. M., Lond., 1949, **42**: 582–6.—**Schwartz, Z.** UVC (toki ultravysokoj častoty) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 630–2.—**Smirnitsky, I. I.** [An electrode for ionogalvanization in gynecology] Voen. san. delo, 1943, No. 10, 56.—**Snow, W. B.** A plea for the adoption of the electro-static methods by the War Department. Am. J. Electrother., 1918, **36**: 314–9.—**Titi, A.** L'électricité médicale dans la marine. Arch. méd. nav., Par., 1905, **83**: 171–80.

—— Fever therapy.

Ferguson, C., & Buchholtz, M. Hyperpyrexia as an adjunct to chemotherapy. Mil. Surgeon, 1947, **101**: 20–3.—**Harrison, J. H., Botsford, T. W., & Ford, R.** A simply constructed cabinet for fever therapy of persistent gonorrhea, as developed in an Army general hospital overseas. J. Urol., Balt., 1944, **51**: 210–4.—**Phillips, K.** The practical application of fever therapy in military medicine during active warfare. Brit. J. Phys. M., 1941, **4**: 173–5. ——— Fever therapy in military medicine; a method of practical application in time of emergency or war. Urol. Cut. Rev., 1941, **45**: 762–8.—**Turville, W. H. H., & Fetter, F.** Experiences with fever therapy at the Philadelphia Naval Hospital. U. S. Nav. M. Bull., 1943, **41**: 431–41.

—— Fibrin [and related substances]

Bering, E. A., jr. Clinical uses of products made from human fibrinogen and thrombin. Bull. U. S. Army M. Dep., 1944, No. 78, 53–6.—**MacLeod, C. M., & Christensen, L. R.** Purification of fibrinolysin for use in treating empyema. Rep. Pneumonia Com. U. S. Army, 1943–44, 10–2.—**Selsø, S.** Betragtninger angaaende trombin, fibrinofilm og fibrinskums anvendelse under krigsforhold. Militaerlaegen, 1947, **53**: 11–6.

—— Fluid therapy.

See also **Blood transfusion.**

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–96: Administration of intravenous fluids: hazard of air-emboli and their prevention. 3p. 27cm. Wash., 1947.

Bogomazov, V. P. [Effect of normal saline solution on the agglutinating properties of blood serums] Tr. Acad. mil. méd. Kiroff, 1935, **3**: 25–9.—**Higgins, A. R.** The solution room. U. S. Nav. M. Bull., 1943, **41**: 833–7.—**Mikeladze, S. J.** [Drip hemoenema as a method of treatment] Voen. san. delo, 1942, No. 9, 31–4.—**Parenteral** fluids. J. Mil. M. Pacific, 1945, **1**: 4–10.—**Precautions** with glucose saline and other crystalloid solutions. Bull. Army M. Dep., Lond., 1943, No. 30, 2.—**Useful** device. Ibid., 1945, No. 45, 5.

—— Hemotherapy.

See as main heading.

—— Hydrotherapy.

See as main heading; also other subheading (Balneotherapy)

—— Infusion.

See also other subheading (Fluid therapy)

Arjev, T. Vlivanie (infusio) In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 755–9.—**Friedemann, M.** Die intravenöse Dauertropfinfusion im Dienste der Verwundeten und Kranken im Felde. In: Kriegschir. Ratgeber, Berl., 1941, 71–5.—**Gebhardt, E.** Ueber einen behelfsmässigen Tropfapparat für Dauerinfusionen und -klysmen. Deut. Militärarzt, 1944, **9**: 229.—**Mancke, R.** Die Beschreibung einer Infusion-Ampulle zur Vereinfachung der Vornahme parenteraler Einspritzungen. Ibid., 1942, **7**: 18–20.—**Novinsky, G.** K tekhnike vnutrivennykh vlivanij. Voen. san. delo, 1939, No. 5, 59.—**Stupperich, G.** Behelfsmässiger Dauertropfer aus leeren Ampullen zur intravenösen Infusion. Deut. Militärarzt, 1943, **8**: 718.

—— Injection therapy.

See also preceding subheading; also **Venipuncture.**

Difficulties in administration of fluids intravenously due to motion of a ship. Bumed News Lett., Wash., 1944, **3**: No. 13, 18.—**Emerson, C. P., & Duckworth, M.** A standard technique for the preparation of intravenous equipment. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 14, 16–8.—**Fedoreev, A. S.** Vnutrivennoe vvedenie morfija kak dobavočnoe k obezbolivaniju v vojskovom rajone. Tr. Evakohosp., Leningr., 1943, No. 2, 46.—**Into** muscle. Bull. Army M. Dep., Lond., 1944, No. 37, 1–3.—**Intramuscular** injections. R. Nav. M. Bull., 1944, No. 8, 11.—**Intravenous** drip tube. Bull. U. S. Army M. Dep., 1945, No. 85, 33.—**Kennedy, T. H., & Fletcher, F. L.** Model arm for teaching intravenous technic. Air Surgeon Bull., 1945, **2**: 165.—**Klamt, R. R.** Osmosis in the preparation of intravenous solutions. Hosp. Corps Q., 1944, **17**: No. 3, 46–8.—**Klink, E. C.** Parenteral administration of medicine. Ibid., 1943, **16**: No. 3, 55.—**Lozner, E. L., & Rhode, C. M.** Technic of parental injections. Ibid., 1944, **17**: No. 5, 75–84.—**Martin, J. B.** Intravenous stand for use on litter. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 60.—**Peripheral** nerve palsies from intramuscular injections. Bull. Army M. Dep., Lond., 1945, No. 44, 6.—**Sterile** water and saline. Bull. Army M. Dir., Lond., 1942, No. 10, 3. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 30.—**Zink, E. F.** Injeções. In: Man. socor. guerra, S. Paulo, 1943, 149–51, 2 pl.

—— Iron therapy.

Heubner, W. Zur Eisentherapie während des Krieges. Deut. Apoth. Ztg, 1944, **59**: 184. Also Münch. med. Wschr., 1944, **91**: 226.

—— Methods.

Arnold, W. F. The opportunities afforded by the military services for applying statistical methods in therapeutics. Mil. Surgeon, 1907, **21**: 226–33.—**Barrett, J. W.** Medical military emergencies. Med. J. Australia, 1942, **1**: 629.—**Gandullo, L.** Los cimientos y el origen de un método curativo que fué recibido con gran entusiasmo entre el pueblo paciente y profano. Rev. san. mil., Madr., 1930, **20**: 325–8.—**Glebovich, A.** Kislorodnaja terapija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1227–31.—**Gusev, A.** Iskusstvennoe dykhanie. Ibid., 1002–8.—**Gutzeit, K.** Aussichten und Durchführung der vergleichenden Therapie und Prophylaxe im Kriege. Deut. Militärarzt, 1941, **6**: 14–9.—**Hill, E. R.** Smile therapy. J. R. Army M. Corps, 1946, **86**: 37.—**Iljinsky, B. V., & Samarin, G. A.** [The work of therapeutists during wartime, particularly in a military area] Klin. med., Moskva, 1941, **19**: No. 7, 21–33.—**Konchalovsky, M. P.** [Military-health service of the therapeutist in the present wars] Ter. arkh., 1938, **16**: 351–5.—**Livingston, H. H.** Treatment of patient at sea. Bull. U. S. Army M. Dep., 1946, **5**: 82–4.—**Melik-Adamian, A. A.** [Rational therapy in war time] Sovet. med., 1942, **6**: No. 11, 23.—**Mermenka, K.** *Περί τινων νέων θεραπευτικῶν βοηθημάτων 'εν τῇ θεραπευτικῇ τῆς 'εκστρατείας. 'Ιατρικὴ πρόοδος*, 1913, **18**: 305–8.—**Nagle, P. S.** Soldier self-suction decompression. Mil. Surgeon, 1943, **92**: 545–7, illust.—**Pozniak, K. V.** Ob etapnom lečenii terapevtičeskikh bolnykh v boevoj obstanovke. Voen. san. delo, 1941, No. 5, 63–5.—**Satrf, A.** Petites innovations en thérapeutique de guerre. J. méd. chir., Par., 1916, **87**: 870–4.—**Therapeutic** (Some) procedures used in G. A. F. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6n, 1.—**Treatment** of burns. Ibid., 2.—**Treatment** of frostbite. Ibid., 1.—**Treatment** of generalized hypothermia. Ibid., 2.—**Vovsi, M. S.** [Therapeutical aid in the Red Army] Voen. med. J., Moskva, 1945, June, 3–7.—**Wurdack, E.** Militärärztliche Erfahrungen mit der Stauungsbehandlung nach Bier. In: Festschr. R. Jaksch, Praha, 1912, 335–40.

—— Occupational therapy.

See as main heading.

—— Organotherapy.

ODA, K. Kakusyu zōki-ekisu no men-eki-tai hassei ni oyobosu eikyō ni tuite [Influence of various organ extracts on the production of antibodies] [177] p. 26cm. Tōkyō, 1933.

Kaigun gun-ikai zassi, 1933, **22**: 183; 272; 418.

Pomerat, C. M. Taking the anti out of antiorgan sera. Research Rev. (U. S. Navy) 1948, Nov., 7–10.

—— Oxygen therapy.
See as main heading.

—— Parenteral therapy.
See other subheadings (Infusion; Injection therapy)

—— Phototherapy.
See also Physical therapy.
Broderson, B. Fototerapija (svetolećenie) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 794–9.—**Heusner, H. L.** Lichtkraftwagen und Lichtbaracke. Strahlentherapie, 1917, **8**: 59–70.

—— Physical therapy.
See Ultraviolet radiation.

—— Plants.
See Phytotherapy.

—— Progress.
Verekundov, V. P. Исторический очерк кафедры диагностики и общей терапии в Императорской Военно-Медицинской Академии; материалы для истории медицины в России. 358p. 8° S. Peterb., 1898.
Bennett, H. J. Some recent aspects of medical treatment. J. R. Nav. M. Serv., 1947, **33**: 290–4.—[**Brief** report on the activity of the Leningrad Botkin Therapeutic Society for May–Sept., 1942] Raboty Leningr. vrach. za god Otechest. voiny, 1943, **3**: 145–51.—**Hedenius, P.** Nyare terapeutiska landvinningar i militärmedicinen; några amerikanska intryck. Klin. meddel. Serafimerlasar. Med. Klin., Stockh., 1945, **13**: No. 420, 41–4.—**Kostovecky, L. G.** [Work of the therapeutist in wartime] Hosp. delo, 1944, No. 4, 7–11.—**Marietta, S. U.** Recent therapeutic advances and their application to military needs. J. Iowa M. Soc., 1941, **31**: 269–76.—**Mayoral Pardo, D.** Síntesis histórica de la terapéutica. Bol. san. mil., Méx., 1949, **2**: 501–33.—**Moore, J. M.** Several wartime therapeutic advancements. Mississippi Doctor, 1945–46, **23**: 578–80.—**Some** recent advances in therapeutics. U. S. Nav. M. Bull., 1943, **41**: 857.—**User, M. C.** Donmaların tedavi ve korunmasında yeni bulgu ve bilgilerden alınan neticeler. Askerî sıhhiye mecmuası, 1946, **75**: No. 47, 56–65.

—— Psychotherapy.
See as main heading.

—— Pyotherapy.
Bourand, M. L'autopyothérapie dans la chirurgie générale et éventuellement dans la chirurgie de guerre. Bull. Serv. hyg., Port au Prince, 1943, No. 36, 13–31.—**Léonetti.** La pyothérapie en chirurgie de guerre. Arch. méd. pharm. nav., 1939, **129**: 74–96.

—— Radiotherapy.
See as main heading.

—— Recreational therapy.
See as main heading.

—— Resuscitation.
See as main heading.

—— Shock therapy.
See as main heading.

—— Short wave.
See Short wave.

—— Sulfonamide therapy.
See as main heading.

—— Thermotherapy.
See as main heading.

—— Tissue therapy.
Pataky, Z., & Klinghofer, L. Filatov-féle szöveti kezelés eredményei egyes betegségeknél. Honvédorvos, 1950, **2**: 595–9.—**Simko, P. S.** Najnovšie úspechy therapie tkanív a úloha biogenných stimulátorov. Voj. zdrav. listy, 1948, **17**: 264–6.—**Svet, N. M.** Rol tkanevoj terapii i homoplastiki v rekonstruktivnoj khirurgii u invalidov Vojny II. Khirurgia, Moskva, 1949, No. 12, 35–41.

—— Ultraviolet therapy.
See as main heading.

—— veterinary.
See under Veterinary medicine.

—— Work therapy.
See Occupational therapy.

THERMAL exchange.
See Heat regulation.

THERMAL injury.
See under Injury; also Burns; Cold exposure; Cold injury; Frostbite; Heat; Heat stroke.

THERMOCOUPLE.
See also next heading.
Crescitelli, F., & Gardner, E. The application of a hot wire and thermocouple for recording surface pulsations in the human body [1] l. 28cm. Wash., 1944.
Forms No. 373, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Palmes, E. D., & Park, C. R. An improved mounting for thermocouples for the measurement of the surface temperature of the body. 4 l. 29cm. Fort Knox, 1947.
Forms Proj. No. 55–2, U. S. Army M. Dep. Field Res. Laborat. Also in Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. B, No. 5, 1–4.—**Thermocouples** for the measurement of the radiant temperature of the skin. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 140.

THERMOMETRY [incl. thermometer]
See also preceding heading.
Bedford, T. Environmental warmth and its measurement. 40p. 24½cm. Lond., 1946.
Forms No. 17, War Mem. Med. Res. Counc. Privy Counc. Gt Britain.

Clark, M. I. Proposed oral thermometer technique. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 4, 13–5.—**Fever** thermometer centrifuge. Bull. U. S. Army M. Dep., 1945, **4**: 407.—**Kühner, L.** Ersatzthermometer für einen Heissluftentlausungsofen. Deut. Militärarzt, 1944, **9**: 344.—**Münnich, K.** Ueber Wärmemessung vermittels akustischer Fernthermometer in Heissluft-Entlausungskammern. Ibid., 1943, **8**: 683–6.—**Perry, G. F.** Submerged thermometer rack. Hosp. Corps Q., 1943, **16**: No. 4, 90.—**Reese, J. M.** The measurement of the thermal environment afloat. J. R. Nav. M. Serv., 1947, **33**: 200–4.—**Thomann.** Du contrôle et de la qualité des thermomètres médicaux à maxima. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 107–9.—**Use** of thermistors in skin temperature measurement. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 8.—**Volkov, A. I.** Termoindikator. Voen. med. J., Moskva, 1945, March, 57.

THERMOPHONE.
See Sound.

THERMOS.
Morhouse, C. H., & Rodewald, F. A. Leak detection in thermos jugs. 3p. 27cm. Randolph Field, 1949.
Forms Proj. No. 21–02–087, U. S. Air Force School Aviat. M.

Quashnock, J. M. Electric immersion heater for thermos jug. 3 l. 27cm. Dayton, 1944.
Forms No. ENG–49–696–58, Memo. Rep. Aero M. Laborat. U. S. Air Force.

United States. Armored Medical Research Laboratory. Project No. 1: Cold weather operations; sub-Project No. 1–20: Report on study of the heat retaining capacities of insulated jugs. v. p. 28cm. Fort Knox, 1942.
—— [The same] ... Second partial report on Sub-Project No. 1–20: Heat retaining capacities of insulated jugs. v. p. 28cm. Fort Knox, 1944.

THERMOSTAT.

Diakov [A field thermostat] Voen. san. delo, 1942, No. 6, 70.—**Siroko, L. L.** [Field thermostat of simple construction] Ibid., 1936, No. 7, 38–41.—**Vukšič, L.** Improvizovani terenski termostat. Voj. san. pregl., Beogr., 1948, 5: 386.

THERMOTHERAPY.

See also **Short wave; Therapeutics,** Cold therapy.

KERSLAKE, D. M., & COOPER, K. E. Generalised vasodilatation in response to heating localised areas of skin. 14p. 33cm. Lond., 1949.

Forms F. P. R. C. No. 716, Gr. Britain Flying Pers. Res. Com.

Evaluation (An) of methods of rewarming men. Bull. U. S. Army. M. Dep., 1949, 9: 443.

THIAMINE.

See **Vitamin B_1**; also **Swing sickness.**

THIGH.

See also **Extremity,** Lower extremity; and various subheadings of **Surgical technic.**

Huard, P., & Onsan, A. [Ligature of two arteries at the summit of Scarpa's triangle] Askerî sihhiye mecmuası, 1936, 65: 141–4.—**Krüger.** Ueber einen Fall von ossifizierendem Hämatom des Oberschenkels. Deut. Militärarzt, 1937, 2: 364–7.—**Pfeiffer, G. E.** Personal experience with fascia lata as a reparative agent. U. S. Veterans Bur. M. Bull., 1930, 6: 15–8.—**Yahoub.** Traitement des anévrismes artério-veineux de la cuisse. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 86–8.

—— Injury.

See also **Fracture**—by site (Extremity, lower; Femur; Hip)

Aird, I. A review of recent Russian studies of gunshot wounds of the thigh. Bull. War M., Lond., 1943–44, 4: 619.—**Boehler.** Later treatment and reparative surgery in gunshot wounds of the thigh. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 26–9.—**Colmers.** Oberschenkel. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 131–4.—**Crile, G., jr.** Traumatic rupture of adductor muscles of the thigh. U. S. Nav. M. Bull., 1946, 46: 719–23.—**Geneli-Trzebicka, Z.** [Gun-shot wounds of the femoral vessels] Lek. wojsk., 1936, 27: 694–8.—**Groth.** Die Versorgung der Oberschenkelschussbrüche. Deut. mil. ärztl. Zschr., 1915, 44: 161–4.—**Kazakevich, I. E.** [Treatment of gunshot wounds of the thigh in Army base hospitals] Vest. khir., 1940, 59: 286–90.—**Live** shell removed from a man's thigh. J. Am. M. Ass., 1942, 120: 1239.—**Lusskin, H.** Foreign body in thigh; report of a case. U. S. Nav. M. Bull., 1945, 45: 353.—**Paladino, P.** A proposito di tre casi di rottura sottocutanea del m. retto anteriore del femore. Gior. med. mil., 1936, 84: 992–1004.—**Rückert, W.** Schwierigkeiten und Wandlungen in der Behandlung infizierter Oberschenkelschussbrüche. Bull. War M., Lond., 1942–43, 3: 505 (Abstr.)—**Zacharinas, B.** [Treatment of fractures of the femur during campaign] Medicina, Kaunas, 1935, 16: 564–72.

—— Quadriceps muscle.

Du Bourguet. A propos des ruptures du tendon quadricipital; un cas de rupture incomplète. Bull. Soc. méd. mil. fr., 1934, 28: 37. ——— & **Dubau.** Un cas de rupture complète du tendon quadricipital. Ibid., 23–7.

THIGH splint.

See under **Splint,** Types.

THIODIGLYCOL.

Jastrzębski, D. [New method in determining thiodiglycol in urine] Lek. wojsk., 1937, 29: 498–504. ——— & **Zienkiewicz, K.** [Determining thiodiglycol in the urine] Ibid., 1936, 28: 859–62.

THIODIPHENYLAMINE.

Verfahren zur Herstellung von Thiodiphenylamin S. CIOS Rep., Lond., 1945, Item 30, 8, 22, 24, No. XXV–26, 24–6.

THIOUREA.

See also with **Thyrotoxicosis.**

SAUNDERS, J. P., & MEYER, B. J. The effects of thioureas and related compounds on alpha-naphthylthiourea (ANTU) toxicity to rats. 16p. 27cm. Army Chem. Center, 1948.

Forms No. 168, Rep. Med. Div. Chem. Corps U. S. Army.

Campo Fernández, J. El tiouracilo en cirugía. Med. & cir. guerra, 1948, 10: 97–100.—**Richter, C. P., Clisby, K. H., & Allen, G. S.** A quantitative study of the pulmonary edema and pleural effusion produced in rats by alpha-naphthyl thiourea and other thioureas. Sympos. Mil. Physiol., Wash., 1947, 161.

THIRST.

See also **Heat,** Dehydration.

BRIEF (A) account of the sufferings of a detachment of United States Cavalry from deprivation of water, during a period of eighty-six hours while scouting on the Staked Plains of Texas [Photostat] 8 l. 8° n. pl., 1877.

UNITED STATES. ARMORED MEDICAL RESEARCH LABORATORY. Project No. 2: Operations at high temperatures; report on Sub-Project No. 2–19; Study of efficiency of performance and rate of deterioration under conditions of water limitation. v. p. 28cm. Fort Knox, 1943.

Allison, R. S., & Critchley, M. Observations on thirst. J. R. Nav. M. Serv., 1943, 29: 258–66.—**Pittard, K.** Dehydration combatted with sea water. Contact, Pensacola, 1942, 1: No. 3, 11–3.

THOMAS frame.

See under **Orthopedics,** Apparatus.

THOMAS splint.

See **First aid,** military; **Fracture** subheadings (Treatment: Traction;—by site: Femur) **Splint,** Types.

THORACIC empyema.

See **Pleural cavity,** Empyema.

THORACIC injury.

See also **Air evacuation; Fracture**—by site: Rib; **Injury** subheadings (Air raid; crush) **Pneumothorax,** traumatic; **Rib;** also subsequent main headings; also such terms as **Lung injury; Pectoral muscles; Pleura; Pleural cavity; Pleurisy,** etc.

CIBA PHARMACEUTICAL PRODUCTS. War injuries of the chest. 12 col. pl. 23½cm. Summit, 1943.

DAVIES, H. M., & COOPE, R. War injuries of the chest. 131p. 19½cm. Edinb., 1942.

GOMEZ-DURAN, M. Heridas de pecho. p.125–235. 24½cm. Madr., 1938.

In his Cirug. guerra, Madr., 1938, 1:

Abelló Pascual, F. Consideraciones generales sobre los heridos de tórax. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 3–9.—**Akhutin, M. N.** [Injuries of the chest] Voen. med. J., Moskva, 1933, 4: 53–9.—**Boland, F. K.** Chest wounds in military and civil practice. Mil. Surgeon, 1937, 81: 175–93.—**Brock, R. C.** War injuries of the chest. Guy's Hosp. Gaz., Lond., 1940, 54: 270–6. ——— War wounds of the chest. Ibid., 315.—**Brunner, A.** Kriegsverletzungen des Brustkorbes. Helvet. med. acta, 1941, 8: 54–72. Also Bull. War M., Lond., 1941–42, 2: 361 (Abstr.)—**Carter, B. N., & DeBakey, M. E.** Current observations on war wounds of the chest. J. Thorac. Surg., 1943–44, 13: 271–93. ——— War wounds of the chest. Bull. U. S. Army M. Dep., 1944, No. 80, 60–7.—**Coope, R., & Edwards, R.** War wounds of the chest. Lancet, Lond., 1942, 1: 148.—**Couper, W. M.** Wounds of the chest. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 6, 25–30.—**D., J. C.** War injuries of the chest. Bumed News Lett., Wash., 1943, 2: No. 12, 1→.—**Davies, H. M., & Coope, R.** War injuries of the chest. Bull. War M., Lond., 1942–43, 3: 358 (Abstr.)—**Djuknitch.** Plaies de poitrine. Rev. Corps san. mil., Par., 1946, 2: 143.—**Dolley, F. S., & Brewer, L. A.** Heridas del tórax. Rev. san. mil., B. Air., 1943, 42: 233–7.—**Edwards, A. T.** War wounds and injuries of the chest. Brit. J. Surg., 1943–44, 31: 74–86. ——— Wounds of the thorax. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 175–94. Also 2. ed., Balt., 1942, 1: 369–88. ——— & **Barrett, N. R.** Wounds of the thorax. Ibid., 3. ed., Edinb., 1944, 838–66.—**Elkin, D. C., & Cooper, F. W.** Heridas torácicas. Rev. san. mil., B. Air., 1944, 43: 141–5.—**Gardner, C. E., jr.** Chest injuries; application of military experience to civilian practice. Surg. Clin. N. America, 1946, 26: 1082–94.—

Gray, H. K. War injuries of the chest. Proc. Mayo Clin., 1942, 17: 566–72.—**Harrison, H. W.** War wounds of the chest. N. Orleans M. & S. J., 1942–43, **95**: 315–24.—**Hay, E. B.** Application of war experiences to civilian chest casualties. South. Surgeon, 1948, **14**: 248–57.—**Heusser, H.** Kriegsverletzungen der Thoraxwand und der Lungen. Praxis, Bern, 1940, **29**: 4–7.—**Joergenson, E. J.** The thorax. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 167–71.—**Kay, E. B., & Meade, R. H.,** jr. War injuries of the chest. Surg. Gyn. Obst., 1946, **82**: 13–24.—**Kuprijanov, P. A.** Povreždenija grudi. In: Kratkij kurs voen. polev. khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 276–92, 3pl.—**Lluesma-Uranga, E.** Traumatismos de guerra del tórax. Día méd., B. Air., 1943, **15**: 324–8.—**Martin, J. D.,** jr. War wounds of the chest. Surgery, 1947, **21**: 381–9.—**Moore, R. L.** War injuries of the chest. Ann. Surg., 1946, **124**: 367–82.—**Morrison, J. T., Reid, H.** [et al.] A symposium on chest wounds. Lancet, Lond., 1942, **1**: 216.—**Naegeli, T.** Ueber Thoraxkriegsverletzungen. Schweiz. med. Wschr., 1940, **70**: 674–6.—**Oltramare, J. H.** Blessures thoraciques. In his Chir. guerre, Lausanne, 1944, 333–57.—**Popovian, I. M.** [Wounds of the thorax] Voen. san. delo, 1943, No. 5, 40–7.—**Ramm, M. G.** Povreždenija grudi. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 210–23.—**Robb, D.** War wounds of the chest. N. Zealand M. J., 1941, **40**: 109–12.—**Roberts, J. E. H.** War injuries of the chest. Brompton Hosp. Rep., Lond., 1940, **9**: 1–6. Also Postgrad. M. J., Lond., 1940, **16**: 79–83.—**Sellors, T. H.** Chest injuries in modern warfare. Practitioner, Lond., 1940, **144**: 609–19.—**Stahl, O.** Die Verletzungen der Brust. In: Feldchirurgie (Käfer, H.) 9. Aufl., Dresd., 1944, 263–81.—**Telling, M.** Thoracic trauma. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 43–8.—**Terrill, F. I.** War injuries of the chest. J. Lancet, 1942, **52**: 403–5.—**War** wounds and injuries of the chest. Am. J. Roentg., 1943, **50**: 684–6.—West, J. P. Heridas torácicas de guerra. An. cirug., B. Air., 1945, **4**: 847–53.—**Wounds** of the chest in wartime. Med. J. Australia, 1943, 1: Suppl., 65–8.—**Zorrilla Polanco, R.** Heridas de tórax en el Hospital de sangre. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 205–38.

—— Clinical aspect.

See also **Injury,** crush.

Burbank, C. B., Falor, W. H., & Jones, H. W., jr. Three hundred seventy-four acute war wounds of the thorax. Surgery, 1947, **21**: 730–8.—**Gubergric, M. M., Mogilevich, A. J., & Pkhakadze, A. L.** K klinike ranenij plevry i legkikh. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 240–51.—**Jablokov, D. D., Voronova, A. M.** [et al.] Klinika i terapija ranenij legkikh i plevry. Ibid., 252–63. Also in Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 13.—**Medgyesy, S., & Fonyó, J.** Contusio thoracis érdekes esete. Honvédorvos, 1950, **2**: 599–602, illust.—**Mirsky, S.** Observations on 100 cases of war chest injuries. J. Canad. M. Serv., 1944–45, **2**: 630–40.—**Review** of 1,000 thoracic cases. Bull. U. S. Army M. Dep., 1945, No. 89, 70–2.—**Sanger, P. W.** Evacuation hospital experiences with war wounds and injuries of the chest. Ann. Surg., 1945, **122**: 147–62.—**Snyder, J. M.,** & **Tropea, F.,** jr. War injuries of the chest; a report of a series of 678 cases. Surgery, 1947, **22**: 780–800.

—— closed.

Berzin, A. O. Zakrytye povreždenija grudi. In: Opyt sovet. med. v Velik. otéč. vojne, Moskva, 1950, **10**: 307–46, pl.—**Nixon, J. A.** Closed wounds of the chest, and the physician's place in a chest team. Brit. M. J., 1941, **1**: 974; **2**: 24. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 172–8.—**Scadding, J. G.** Chest surgery in war; some aspects of closed wounds of the chest. Brompton Hosp. Rep., Lond., 1941, **10**: 8–20. —— Some aspects of closed wounds of the chest. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 191–7.

—— Complications.

See also **Pleural cavity,** Empyema; **Pleurisy,** Types; **Pneumonia,** traumatic; **Pneumothorax,** traumatic; **Thoraco-abdominal injury; Thorax,** Hemothorax.

Steinert, O. *Ueber Spannungspneumothorax bei Kriegsverletzungen der Brust. 25p. 23cm. Berl., 1939.

Urabe, M. Sensyō kekkyō ni kan-suru kenkyū Study on hemothorax due to war wounds] p. 57–119. 24½cm. Tōkyō, 1943.

Tokyo igakkwai zassi, 1943, **57**: Suppl.

Antelava, N. W. [Complications of penetrating wounds of the chest and their effects, after data of the evaco-hospitals of the People's commissariat of public health of Georgia] Khirurgia, Moskva, 1945, No. 4, 56–62.—**Binhold.** Ueber einen Fall von Commotio cordis. Deut. Militärarzt, 1939, **4**: 410.—**Conclusions** relatives aux suites éloignées des plaies de poitrine. C. rend. Conf. chir. interall., 1920, 6. sess., 6–8.—**Dimitriu, M.** Plagă perforantă, prin armă de foc a hemitoracelui stâng, tunel pulmonar, hemotorax, emfizem subcutanat vindecare, fara intervenție operatorie. Rev. san. mil., Bucur., 1935, **34**: 625.—**Divnogorsky, B. F., Viukova, R. N., & Ivanov, I. K.** [Sequelae and complications of penetrating wounds of the thorax and principles of treatment under the conditions of a rear hospital] Khirurgia, Moskva, 1943, No. 10, 57–61.—**Fjodorovics, D. P.** A lövési eredetű bronhus-sipolyok és azok gyógyítása. Honvédorvos, 1950, **2**: 718–20 (Abstr.)—**Froment, R., Camelin & Blanchard, H.** Contusion of the myocardium in non-penetrating injuries of the thorax. Bull. War M., Lond., 1941–42, **2**: 399 (Abstr.)—**Hamilton, J.** Penetrating wounds of the chest with haemothorax. J. Canad. M. Serv., 1944–45, **2**: 542–8.—**Howard, R. N.** Pulmonary tuberculosis supervening upon shrapnel wound of the chest. Med. J. Australia, 1943, **2**: 379.—**Kiselev, A. G.** O lečenii ognestrelnykh empiem plevry. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 64–72.—**Mallet-Guy.** Suppuration tardive de la paroi thoracique après une blessure de guerre: cal intercostal en lunette. Lyon méd., 1933, **151**: 745–7.—**Nehmann, F.** Zur Frage der Drainage bei Thoraxschussempyemen. Deut. Militärarzt, 1943, **8**: 665.—**Price, I. J.** K voprosu o lečenii ognestrelnykh hemotoraksov. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 277–85.—**Ricci, S.** Séquelles des blessures thoraco-pulmonaires. Arch. méd. pharm. mil., 1923, **79**: 345.—**Wood, H., & Sweetser, H. B.,** jr. Punctate cerebral hemorrhage following thoracic trauma. U. S. Nav. M. Bull., 1946, **46**: 51–6.—**Zarubin, S. A.** K voprosu o nagnoivšikhsja hemotoraxakh i piotoraxakh po materialam armejskogo specializirovannogo KPPG. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 254–69.

—— Etiology.

Canónico, A. N. Traumatismos torácicos provocados per ondas explosivas; observaciones de la guerra actual. Relat. Congr. argent. cirurg., 1942, 14. Congr., 327–9.—**Cassinis, U.** Grave trauma toracico da causa sportiva. Gior. med. mil., 1937, **85**: 1098–104.—**Ferguson, L. K., & Brown, R. B.** Injuries of the thorax in battle casualties. Am. Rev. Tuberc., 1944, **50**: 293–304.—**Johnson, J.** Battle wounds of the thoracic cavity. Ann. Surg., 1946, **123**: 321–42.—**Mitchiner, P. H., & Cowell, E. M.** Chest wounds (the air-raid) Lancet, Lond., 1939, **1**: 534–6.—**West, J. P.** Chest wounds in battle casualties. Ann. Surg., 1945, **121**: 833; 1946, **123**: 986.

—— Evacuation, and transportation.

Bronec, F. [Transportation of soldiers with bullet wounds in the thoracic cavity] Voj. zdrav. listy, 1938, **14**: 367–71.—**Carson, L. D.** Experiences in air transportation of paticnts with war wounds of the chest. Dis. Chest, 1948, **14**: 254–60.—**Goldman, A.** Aerial evacuation of thoracic wounded; consideration of effects of altitude. U. S. Nav. M. Bull., 1944, **43**: 685–96.—**Linberg, B. E.** Evakuacija pri grudnykh ranenijakh v vojskovom rajone. Voen. san. delo, 1940, No. 5, 37–40.—**Osipov, V. V.** [Air transport of cases with wounds of the thoracic cavity] Probl. tuberk., Moskva, 1941, No. 11, 22–34.—**Shefts, L. M.** The evacuability of patients with thoracic wounds. Bull. U. S. Army M. Dep., 1949, **9**: 357–63.

—— Examination.

See also **Thoracic radiography.**

Donnelly, J. War injuries to the chest; diagnosis and treatment. South. M. & S., 1942, **104**: 82–4.—**Hodson, C. J.** Radiology in traumatic chest cases. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 65–8.—**Jaffe, H. L., & O'Connor, J. P.** War wounds of the chest; roentgenological and surgical considerations. Am. J. Roentg., 1947, **58**: 183–93.—**McGrigor, D. B., & Samuel, E.** The radiology of war injuries; war wounds of the chest. Brit. J. Radiol., 1945, **18**: 133–45.—**Piotet, G.** Directives pour le diagnostic et le traitement des lésions du thorax en temps de guerre. Rev. méd. Suisse rom., 1940, **60**: 257–70.—**Plecer, V.** Rentgenodiagnostika pri ranenijakh grudnoj kletki. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 285–7.—**Rakofsky, M., & Satinsky, V. P.** Roentgenological aspects of battle injuries of the chest. Am. J. Roentg., 1947, **57**: 583–600.—**Westermark, N.** A roentgenological investigation into traumatic lung changes arisen through blunt violence to the thorax. Bull. War. M., Lond., 1941–42, **2**: 360 (Abstr.)

—— Foreign body.

See also subheading (gunshot)

Braicev, V. R. [Indications for surgical removal of foreign bodies in blind wounds of the thorax in evacuation hospitals] Khirurgia, Moskva, 1943, No. 7, 44–51.—**Kevesh, E. L.** Topičeskaja rentgenodiagnostika inorodnykh tel pri ranenijakh grudnoj kletki. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 124–33.—**Loyer.** Corps étranger de la paroi thoracique. Arch. méd. pharm. nav., 1937, **127**: 126–31.

—— gunshot.

Markert, W. H. Spostrzeżenia w przypadkach postrzałów klatki piersiowej z uszkodzeniem płuc i opłucnej. 12p. 25cm. Kraków, 1946.

Forms No. 6, v. 7, Rozpr. wydz. lek. Polska akad.

Rossi, F. Le ferrite del torace d'arma da fuoco in guerra. 319p. 8° Bologna, 1918.

Salo, T. *Ueber Brustschüsse im Kriege, mit besonderer Berücksichtigung der Pleura- und Lungenverletzungen. 66p. 8° Helsin., 1921.

Teneff, S. Le ferite d'arma da fuoco della parete e degli organi toracici. p. 803–90. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.)

—— Le ferite d'arma da fuoco della pleura e del polmone. p. 810–66. 25cm. Tor., 1940.
In: Chir. guerra (Uffreduzzi, O.)

Alekseev, G. A. [Clinical significance of cytological examination in evacuation hospitals of pleural exudates in gunshot wounds of the thoracic cavity] Sovet. med., 1942, **6**: No. 11, 14–7.—**Amelung, W.** Krankheitsbild des Brustschussverletzten im Heimatkriegsgebiet und Vorschläge zu seiner Behandlung. Arch. klin. Chir., 1944–45, **206**: 144–70.—**Buxton, C. L., & Morrison, D. E.** Gunshot wound of the thoracic duct; with report of a case. U. S. Nav. M. Bull., 1946, **46**: 1899–901.—**Denk, W.** Brustschüsse. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2**: 37–58.—**Dzhanelidze, J. J.** Bronkhialnye sviści ognestrelnogo proiskhoždenija. Vest. khir., 1946, **66**: No. 5, 98. Also in Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **10**: 101–42, 5 pl. —— & **Zedgenidze, G. A.** Diafragmalnye gryźi ognestrelnogo proiskhoždenija. Ibid., 259–78, 4 pl.—**Gask, G. E.** Gunshot wounds of the chest. In:War Wounds (Brit. M. J.) Lond., 1939, 44–53.—**Gillerson, A. B., Aseeva, I. V.** [et al.] Pronikajućie ognestrelnye ranenija grudnoj kletki. In: Vopr. khir. voiny &c. (Gorky gosud. med. inst.) Gorky, 1942, 271–82.—**Grebennikova, A. T.** Khondrity posle ognestrelnykh ranenij grudi. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **10**: 237–58.—**Hönig, V.** Szívsérülést utánzó áthatoló mellkasi lövés. Honvédorvos, 1950, **3**: 66, illust.—**Hoopes, B. F., & Propp, S.** Nonpenetrating gunshot wound of chest with extensive pulmonary hemorrhage; case report with autopsy. U. S. Nav. M. Bull., 1945, **45**: 531–6.—**Kalinovsky, M. B., Chichinadze, N. I.** [et al.] Klinika i lećenie ognestrelnykh ranenij grudnoj kletki. Voen. san. delo, 1940, No. 5, 41–5.—**Kōno, S.** Sentū-sei kyōbu syasō ni kan-suru ni-san no tiken [Information on penetrating gunshot chest wounds] Kaigun gun-ikai zassi, 1941, **30**: 495–501, 3 pl.—**Noda, T.** Kyōbu sensyō toku-ni sono syasō rei ni tuite [War wounds of the chest, especially cases of gunshot wounds] Ibid., 1940, **29**: 103–10, pl.—**Pérez Vázquez, S.** Heridas toraco-pleuro-pulmonares por proyectiles. Rev. san. guerra, 1937, **1**: 283–9.—**Rutenburg, D. M., & Revucky, L. E.** Mediastinity posle ognestrelnykh ranenij. In: Vopr. vosstanov, LOR khir. (Preobrazhensky, B. S.) Sverdlovsk, 1946, 83–91.—**Salischev, V. E.** [Gunshot wounds of the thoracic cavity] Bull. War M., Lond., 1942–43, **3**: 607 (Abstr.)—**Sokolov, A. P.** Pronikajućie ognestrelnye povreždenija grudnoj kletki. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 173–8.—**Stahl, O.** Die Kriegsschussverletzungen der Brust. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 233–49. Also 6. Aufl., Dresd., 1943, 259–77.—**Strack, H.** Ueber Brustschüsse; Beobachtungen in einem Lazarett im Osten. Med. Klin., Berl., 1944, **40**: 403–7.—**Teneff, S.** Le ferite d'arma da fuoco della parete toracica. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 807–10, illust.—**Torigata, T.** Ohkakumaku relaxatio tai-seru sa-kyōbu sentō-sei kantū-zyūsō no iti rei [Case of diaphragmatic hernia caused by a bullet wound that pierced the left breast] Gun idan zassi, 1940, 76–80.—**Trillot, J.** Fragmentation d'une balle de fusil de guerre ayant pénétré dans le thorax. Ann. méd. lég., 1947, 84.—**Weil, S. S.** Patologićeskaja anatomia plevry i legkikh pri ognestrelnykh ranenijakh. Vest. khir., 1946, **66**: No. 5, 97.—**Weisser, J. R.** Penetrating wounds of the chest, with report of case, gunshot wound. Mil. Surgeon, 1938, **83**: 202–7.

—— gunshot: Extraction of projectile.

Torres Marty, L. Extracción de proyectiles intratorácicos. Rev. españ. med. cir. guerra, 1940, **4**: 133–40.—**Viar Flores, J.** Proyectil yuxta-cardíaco; extracción. Ibid., 145–9.

—— gunshot: Treatment.

D'Abreu, A. L. The surgery of lodged intra-thoracic missiles. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 35–8.—**Faliviśenko E. L.** Klinika i terapia ognestrelnykh ranenij legkikh. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 157–72, 4 pl.—**Franke, H.** Dringliche Chirurgie der Brustwand und Lungenschussverletzungen. Bull. War M., Lond., 1942–43, **3**: 261 (Abstr.)—**Halnzl, H.** Die Brustschüsse und ihre Behandlung im Feldlazarett. Beitr. klin. Chir., 1943–44, **175**: 289–324.—**Hetzar, W.** Die Behandlung der Brustschüsse im Reservelazarett. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 300–38.—**Horsley, C. H.** A report of 40 cases of gunshot wounds of the chest treated at a base hospital. Austral. N. Zealand J. Surg., 1944–45, **14**: 91–103.—**Kolesov, V. I., & Libov, S. L.** Kratkij oćerk istorii lećenija ognestrelnykh ranenij grudi. In: Opyt sovet. med. Velik. otech. voine, Moskva, 1949, **9**: 17–30.—**Krauss, H.** Erfahrungen bei der Versorgung und Nachbehandlung von Verletzten mit Brustschüssen in den vorderen Sanitäts-Einrichtungen. Deut. Militärarzt, 1942, **7**: 103–14. —— Ueber die nachgehende Behandlung von Thorax-Lungenschüssen unter besonderer Berücksichtigung der geschlossenen Drainage nach Bülau. Ibid., 1943, **8**: 559–66. Also Spanish transl., Rev. san. mil., B. Air., 1944, **43**: 753–68.—**Mussgnug, H.** Die Behandlung des sekundären, offenen Pyopneumothorax nach Schussverletzungen. Bull. War M., Lond., 1942–43, **3**: 658 (Abstr.)—**Scott, M. B.** The immediate treatment of gunshot wounds of the thorax. J. R. Nav. M. Serv., 1922, **8**: 281–3.—**Voronov, A.** Lećenie posledstvij pronikajušćikh ognestrelnykh ranenij grudnoj kletki v Gurzufskom sanatorii. Voen. san. delo, 1941, No. 4, 38–44.—**Zenker, R.** Die Erkennung und Behandlung der Schussverletzungen der Lunge und des Brustfells. Bull. War M., Lond., 1942–43, **3**: 135 (Abstr.)

—— Pathology.

Hannemann, K. Zur Pathologie und Histologie der Lungen- und Pleura-Verletzungen im Kriege. 237p. 24½cm. Berl., 1926.
Forms H. 79, Veröff. Heer. San., 1926.

Carroll, D. S., & Ciaglia, P. Roentgen pathology of the chest in battle casualties. Am. J. Roentg., 1945, **53**: 1–6.—**Sellors, T. H.** Anatomy, physiology, and pathology of wounds of the chest. In: War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 164–71.

—— penetrating.

Clavelin, C. Le traitement immédiat des plaies pénétrantes de poitrine. Bull. Soc. méd. mil. fr., 1922, **16**: 198–213.—**Corrêa Netto, A.** Orientação no tratamento cirúrgico dos ferimentos penetrantes do tórax em cirurgia de guerra. An. paul. med. cir., 1946, **51**: 420–2.—**Dubinkin, G. G.** [Surgical technique in the treatment of penetrating lesions of the chest at Army zones] Khirurgia, Moskva, 1945, No. 3, 29–35.—**Garibaldi.** Ferita penetrante d'arma da punta e da taglio tra la sesta e settima costa vera della parte destra del torace. Gior. med. mil., 1851–52, **1**: 44.—**Goldhammer, K. K.** [Comparative analysis of penetrating wounds of the thorax and their mortality during two years of the war] Klin. med., Moskva, 1944, **22**: 75.—**Grigorjev, N. I.** [The treatment of penetrating wounds of the thorax and their complications at a rear hospital] Khirurgia, Moskva, 1943, No. 10, 40–9.—**Heuer, G. J., Pratt, G. P., & Mason, V. R.** Penetrating war wounds of the chest; a clinical study of one hundred and sixty cases. Tr. Philadelphia Acad. Surg., 1922, **22**: 111–28; Disc., 106.—**Nachnibeda, N. I.** Pronikajušćie ranenija grudnoj kletki. Voen. san. delo, 1940, No. 10, 63–5.—**Overton, M. C., jr, & Criss, R. J.,** jr. Perforating wounds of the chest. U. S. Nav. M. Bull., 1944, **42**: 1021–4.—**Quist, G.** Indicaciones quirúrgicas en las heridas penetrantes del tórax; importancia de la lesión pulmonar. Rev. san. mil., B. Air., 1946, **45**: 163–71.—**Rogers, W. L., & Holman, E.** Penetrating wounds of the chest in the Pacific area; an analysis of 180 cases. Ann. Surg., 1946, **124**: 1076–81.—**Ryle, J. A.** Penetrating wounds of the chest; experience in the last war. Lancet, Lond., 1940, **2**: 63–5.—**Schoemperlen, C. B.** Penetrating wound of the chest with unusual site of entry. J. Canad. M. Serv., 1944–45, **2**: 142–5.—**Skvorcov, S. P.** [Jugular vago-sympathetic block in penetrating wounds of the thorax] Voen. san. delo, 1943, No. 2, 34–40.—**Scidevilla, J. M.** Heridas perforantes de tórax. Rev. españ. med. cir. guerra, 1939, **2**: 281–304, illust.—**Spaček, B.** Penetrující poranění hrudníku. Voj. zdrav. listy, 1949, **18**: 163–7.—**Telling, O. H. J. M.** Medical aspects of penetrating wounds of the chest. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 62–5.—**Vvedensky, K. K.** O pronikajušćikh ranenijakh grudnoj polosti po dannym evakohospitalja. Tr. Evakohosp., Leningr., 1943, No. 5, 164–7.—**Zvorykin, I. A.** K voprosu o lećenii pronikajušćikh ranenij v grudnuju polost v vojskovom i armejskom rajonakh. Voen. med. J., Moskva, 1945, March, 14–21.

—— Prognosis.

Hardt, H. G., jr, & Seed, L. Comparison of the course and direction of fatal and nonfatal gunshot wounds of the chest. War Med., Chic., 1942, **2**: 623–34.—**Ricci, S.** Sugli esiti delle ferite toracopolmonari. Gior. med. mil., 1923, **71**: 548–80.

—— Stab wound.

Rand, E. D. Stab wounds of the chest; case reports. Med. Bull. Veterans Admin., 1942–43, **19**: 166–70.—**Steward, A.** Stab wounds of chest wall and lungs. In: War Med. Sympos. (Pugh, W. S.) N. Y., 1942, 179–86.—**Vuillemot.** Plaie du ventricule gauche du coeur et de la plèvre gauche par coup de couteau; sutures; complications pleuropulmonaires; décès au quatrième jour. Bull. Soc. méd. mil. fr., 1921, **15**: 242–7.

—— Treatment.

Pankratjev, B. E. Хирургия военно-полевых повреждений груди. 2. изд. 376p. 25½ cm. Kiev, 1949.
Bibliogr.: p. 355–70.

Aufses, A. H. Treatment of war wounds of the thorax. Am. Rev. Tuberc., 1942, **46**: 111–20.—**Barthélemy.** L'évolu-

tion et le traitement des plaies de poitrine en chirurgie de guerre. Bull. Acad. méd., Par., 1940, 3. ser., **123**: 156–61. Also Concours méd., 1940, **62**: 636. Also Monaco méditer. méd., 1940, **7**: 70.—**Beardsley, J. M.** The treatment of war wounds of the chest. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 25–38.—**Berry, W. H.** Early treatment of chest wounds by intrapleural suction. Bull. U. S. Army M. Dep., 1948, **8**: 211–8.—**Brodkin, H.** Traitement das plaies de guerre du thorax. Bull. internat. Serv. santé, Liége, 1945, **18**: 25–30.—**Burford, T. H.** The management of war wounds of the chest; a summary. Washington Univ. M. Alumni Q., 1945–46, **9**: 50–4.—**D'Abreu, A. L.** The results of early operations in war wounds of the chest. P. verb. Congr. Soc. internat. chir. (1947) 1948, 12. Congr., 661–6. ——— **Litchfield, J. W.,** & **Thomson, S.** Penicillin in the treatment of war wounds of the chest. Brit. J. Surg., 1944–45, **32**: 179–98.—**Edwards, T.** Treatment of chest casualties. Bull. War M., Lond., 1941–42, **2**: 177 (Abstr.) ——— Early treatment of wounds and injuries to the chest. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 15–23.—**Eloesser, L.** Treatment of war injuries to the chest. Bull. Am. Coll. Surgeons, 1942, **27**: 122–6.—**Ficai, A.** Contributo al trattamento operatorio delle ferite toraciche di guerra. Gior. ital. chir., 1947, **3**: 385–96.—**Fitzpatrick, L. J., Adams, A. J.,** & **Burbank, B.** Nerve block in the treatment of thoracic injuries. Med. Bull. North Afr. Theater U. S., 1944, **2**: 51.—**Forsee, J. H., Shefts, L. M.** [et al.] The management of thoracic war injuries. J. Laborat. Clin. M., 1942–43, **28**: 418–40. ——— El tratamiento de las heridas torácicas de guerra. Prensa méd. argent., 1943, **30**: 739–57.—**Guillaume, L.** Les indications des opérations immédiates dans les plaies de poitrine en chirurgie de guerre. P. verb. Congr. fr. chir., 1918, **27**: 262–7.—**Iljinsky, B. V., Garnic, A. A.** [et al.] O profilaktićeskom naznaćenii sul'fidina ranennym v grudnuju kletku s otkrytym pnevmotoraksom. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 133–6.—**Johnson, J.** Certain aspects of battle wounds of the thoracic cavity; with special reference to a method of facilitating re-expansion of the lung following late decortication. Surgery, 1946, **20**: 26–37.—**Liahovicky, M. M.** Lećenie ranenij grudnoj kletki. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 116–24.—**Meade, R. H., jr.** The management of war injuries of the chest. Rocky Mountain M. J., 1943, **40**: 586–91.—**Mercer, W.** Surgical treatment of chest injuries. In: War & Doctor (Mackintosh, J. M.) 2. ed., Lond., 1940, 47–57.—**Neuhof, H.** Outline of treatment for severe war wounds of the chest. Am. J. Surg., 1942, **56**: 346–8. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 187–90.—**Petrov, N. N.** Ranenija grudnoj kletki. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 286–301.—**Postempski, P.** Quale deve essere la condotta da ritenersi migliore nel trattamento delle ferite toraciche e complicate. Atti Congr. internaz. med. farm. mil., Roma, 1923, **2**: 497–9.—**Randolph, V. S.** Treatment of war injuries to the chest. Southwest. M., 1942, **26**: 191–3.—**Roberts, J. E. H.,** & **Tubbs, O. S.** Recent experience with war wounds of the chest. Am. J. Surg., 1941, **54**: 289–94.—**Samson, P. C.** A review of certain principles in management of thoracic war wounds. California M., 1946, **65**: No. 2, pt 2, 25–7. ——— & **Burford, T. H.** The management of war wounds of the thorax in an overseas theater. Clinics, 1944–45, **3**: 1561–85. Also Bull. U. S. Army M. Dep., 1946, **6**: 711–28.—**Serarcangeli, D.** Contributo clinico al trattamento delle ferite toraco-polmonari in guerra. Rass. med. sarda, 1940, **42**: 179–95.—**Simović, M. T.** [Principles of urgent surgical intervention in wounds of the thorax] Voj. san. glasnik, 1940, **11**: 73–90.—**Sommer, G. N. J.,** jr. The treatment of war wounds of the thorax. J. M. Soc. N. Jersey, 1942, **39**: 367–72.—**Tuttle, W. M., Langston, H. T.,** & **Crowley, R. T.** The treatment of intrathoracic wounds. Med. Bull. Medit. Theater U. S., 1944, **2**: 142–9.

—— Treatment, field.

SERY, J. *Contribution à l'étude du traitement des plaies de poitrine dans une formation de l'avant. 58p. 8° Montpel., 1917.

Akhutin, M. N. [Traitement des blessures de la poitrine aux rayons de l'Armée] Khirurgia, Moskva, 1940, No. 10, 3–9. Also Bull. War M., Lond., 1941–42, **2**: 94 (Abstr.)—**Epstein, A. A.** Taktika khirurga frontovogo tyla pri pronikajuśćikh ranenijakh grudnoj kletki. Vest. khir., 1946, **66**: No. 3, 14–30.—**Ernst, M.** Die Versorgung der Brustverletzten bei den vorderen Sanitätseinheiten. Münch. med. Wschr., 1941, **88**: 485–9. Also Bull. War M., Lond., 1941–42, **2**: 457–9 (Abstr.) Also War Med., Chic., 1942, **2**: 872–5 (Abstr.)—**Hodgkiss, F.** Post-operative treatment of chest wounds in forward areas. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 41–3.—**Landois, F.** Die Beurteilung und Behandlung der Brustkorb- und Lungenschussverletzungen im Felde. Med. Klin., Berl., 1940, **36**: 449–52.—**Lindner, W.** Beitrag zur Behandlung der Thorax-Lungenverletzten in den vordersten Sanitätseinheiten. Münch. med. Wschr., 1944, **91**: 373.—**Michie, W., Bailie, H. W. C.,** & **Macpherson, J.** Treatment of chest wounds in forward areas; a review of 100 cases. Brit. M. J., 1946. **1**: 482–4. Also Rev. san. mil., B. Air., 1946, **45**: 1107–17.—**Pfaff, R.** Beitrag zur Behandlung der Thorax-Lungenverletzten in den vordersten Sanitätseinheiten. Münch. med. Wschr., 1943, **90**: 394.—**Rose, T. F.,** & **Newson, A.** Treatment of gunshot wounds of the chest in the field aided by penicillin therapy. Med. J. Australia, 1946, **1**: 290–5.—**Sauerbruch, F.** Richtlinien für die Behandlung von Thoraxverletzten in Front und Heimat. Deut. Militärarzt, 1942, **7**: 1–8. Also Spanish transl., Rev. san. mil., B. Air., 1942, **41**: 783–95.—**Shaar, C. M.** Thoracic injuries in combat zone. J. Internat. Coll. Surgeons, 1944, **7**: 365–9.—**Thomas, C. P.** Thoracic injuries; the role of the general surgeon in the forward area. Brit. J. Tuberc., 1943, **37**: 103–10. Also Lancet, Lond., 1943, **1**: 564.—**Treatment** of chest wounds in forward areas. Bull. Army M. Dep., Lond., 1943, Suppl. No. 1, 1–6. Also Bull. War M., Lond., 1942–43, **3**: 548–50 (Abstr.)—**Tupin.** Le traitement des thorax ouverts de guerre dans les formations chirurgicales légères de l'avant. Bull. Soc. méd. mil. fr., 1949, **43**: 56.—**Voloshin, J. M.** O lećenii i iskhodakh pozdnikh osložnenij u ranennykh v grudnuju kletku, a takže o principakh organizacii medicinskoj pomošći etim bolnym v poslevoennyj period. Khirurgia, Moskva, 1945, No. 7, 28–33.

—— Treatment: First aid.

CACCIA, F. Trattamento delle ferite toraco-polmonari in primo tempo. p.497–547. 24cm. Roma, 1923.

Gior. med. mil., 1923, **71**:

Caccia, F. Traitement précoce des blessures thoraco-pulmonaires. Arch. méd. pharm. mil., 1923, **79**: 343.—**Linberg, B.** First aid in chest wounds in the battle areas. Bull. War M., Lond., 1941–42, **2**: 276 (Abstr.)—**Lindner, W.** Der Verschluss klaffender Brustwunden mit Wundklammern durch den Truppenarzt. Deut. Militärarzt, 1944, **9**: 317.—**Talbot, A.** Comment concevoir actuellement le traitement primitif des plaies thoraco-pulmonaires en chirurgie de guerre. Progr. méd., Par., 1940, pt 1, 127–32.

—— Treatment, hospital.

Katzenstein, M. Die Behandlung der Verletzungen des Brustkorbes und seiner Organe in den Heimatlazaretten. Behandl. Kriegsverletz., Jena, 1915, T. 1, 194–210.—**Nazarov, P. V.,** & **Raevich, P. S.** [Treatment of thoracic wounds according to data from a rear hospital] Khirurgia, Moskva, 1942, 18–22, 3 pl.—**Samson, P. C., Burford, T. H.** [et al.] The management of war wounds of the chest in a base center; the role of early pulmonary decortication. J. Thorac. Surg., 1946, **15**: 1–30.

THORACIC radiography.

See also under **Medical examination; Radiography; Tuberculosis,** Radiography.

Bibler, L. D., & **White, D. W.** Improvised casscttc holder for chest x-rays. U. S. Nav. M. Bull., 1945, **44**: 408.—**Boffano, M.** L'identità della radiografia di torace in medicina legale militare. Q. radiol., Belluno, 1939–40, n. ser., **4**: 111–24.—**Bonnet, W. L.** The chest x-ray in war time industrial examinations. J. M. Soc. N. Jersey, 1945, **42**: 253–61.—**Comelli, U.** Indagini eseguite sul torace in un anno di esercizio radiologico con speciale riguardo alle manifestazioni tubercolari iniziali. Gior. med. mil., 1924, **72**: 153–62. ——— L'indagine radiologica nella selezione dei giovani aspiranti all'ammissione nelle RR. Accademie Militari con particolare riguardo all'accertamento delle malattie toraciche. Ibid., 1933, **81**: 271–9.—**Cooley, E. E.** Routine chest X-ray in the Army. Army M. Bull., 1936, No. 35, 23. ——— Routine chest X-ray of overseas replacements. Ibid., 1937, No. 38, 55–8.—**Cucchiani Acevedo, R.,** & **Lascalea, M. C.** Radiografía penetrante del tórax. Rev. san. mil., B. Air., 1940, **39**: 807–14, illust.—**Hegglin, R.** Ueber die militärärztliche Beurteilung der Schattenbildungen im Thoraxbild. Praxis, Bern, 1942, **31**: 39–44.—**Hemphill, S. P.,** & **Diercks, M. W.** Simple method for taking stereoscopic chest films. U. S. Nav. M. Bull., 1945, **44**: 166–9.—**Kasich, M.** X-ray of the normal chest; what structures underlie the shadows in a normal chest plate? Mil. Surgeon, 1936, **78**: 466–70.—**Korol, E.,** & **Scott, H. A.** The advantages of the x-ray examination of the chest in lateral recumbency. Med. Bull. Veterans Admin., 1934, **10**: 187–90.—**Maxwell, C. L.** A further study of the advisability of a general roentgenological chest survey applied to recruits of the United States Army. Am. J. Roentg., 1929, **21**: 141–3.—**Morell Castelló, F.,** & **Román Calle, S. M.** El procedimiento mas sencillo de radiodinamografía de tórax. Rev. españ. med. cir. guerra, 1941, **7**: 110–2.—**Nivière, E.** Etude sur les examens radiologiques de l'appareil pleuro-pulmonaire pratique en série au Ve dépôt des équipages de la Flotte pendant unc période de huit ans. Arch. méd. pharm. nav., 1934, **124**: 470–91.—**Pollock, W. C.** Post-mobilization chest survey. Mil. Surgeon, 1940, **86**: 596–9.—**Radiokimografía** (La) en el diagnóstico diferencial entre aneurismas de la aorta y tumorcs del mediastino. Rev. méd. mil., Méx., 1940, **3**: No. 2, 5–14.—**Reid, E. K.,** & **Black, L. F.** An economical casscttc holder for chest radiography. Mil. Surgeon, 1938, **83**: 168–73.—**Routine** X-ray cxaminations for the detection of chest pathology. Army M. Bull., 1936, No. 35, 19–22.—**Schirmer, A.** Ergebnisse der Röntgendurchleuchtungen und Schirmbilduntersuchungcn in Militärschulen des Jahres 1946. Vjschr. schweiz. Sanitätsoff., 1947, **24**: Spec. No., 15–26.—**Spalding, O. B.** A fluoroscopic study of the chest with special reference to systematic routine operative technique. U. S. Nav. M. Bull., 1924, **21**: 484–507.

THORACIC surgeon.

See also **Thoracic surgery.**

Alexander, J. Army courses in thoracic surgery. Univ. Hosp. Bull., Ann Arb., 1943, **9**: 47.—**Blades, B.** An announcement of opportunities for thoracic surgeons in Veterans' Administration Hospitals. J. Thorac. Surg., 1947, **16**: 237–40.

THORACIC surgery.

See also **Surgical technic,** thoracic.

BORCHARD, A., & GERHARDT, D. Brust. p.599–671. 24½cm. Lpz., 1917.
In: Lehrb. Kriegschir. (Borchard, A. F.)

Cáceres, J. Cirugía de tórax. Rev. san. mil., Lima, 1948–49, **21**: 71–82.—**Conklin, F. L.** Surgery of the chest. Surg. Clin. N. America, 1941, **21**: 1593–604.—**Etzel, E.** Princípios de cirurgia do torax na guerra moderna. Hospital, Rio, 1943, **23**: 185–226.—**Freitas, G.** A cirurgia do torax no serviço de saúde da F. E. B. Impr. méd., Rio, 1945–46, **21**: No. 382, 52–8.—**Imperati, L.** Chirurgica del torace, rachide, bacino. Gior. med. mil., 1947, **94**: 465–79.—**Lockwood, A. L.** Surgery of the chest in war. J. Thorac. Surg., 1941–42, **11**: 637–42.—**Paschoud, H.** Chirurgie du thorax (chirurgie de guerre) Schweiz. med. Wschr., 1920, **50**: 496–9.—**Rowlands, R. P.** Thoracic surgery; war lessons in civil practice. Lancet, Lond., 1923, **1**: 16.

—— Anesthetization.

See also **Surgical technic,** Anesthetization.

Burstein, C. L., & Alexander, F. A. D. Anesthesia for thoracic surgery, management in an Army general hospital overseas. Anesthesiology, 1947, **8**: 36–52.—**Dukić, N. N., & Kukovets, R.** [Anesthesia with cyclopropane and its significance for thoracic surgery] Voj. san. glasnik, 1939, **10**: 671–81.—**Itō, M.** Kyōkō syuzyutu ni okeru saatu soti ni tuite [Provision for changes in pressure in operations on the thorax] Gun idan zassi, 1928, 1555–62.—**Magill, I. W.** Anaesthesia in thoracic injuries. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 195. Also 2. ed., Balt., 1942, **1**: 389.—**Martin, S. J.** Anesthesia for thoracic surgery in the Army. N. York State J. M., 1943, **43**: 2178–82.

—— History and progress.

Donaldson, J. K. Thoracic surgery after World Wars I and II. Am. J. Surg., 1943, **62**: 293–5.—**Lilienthal, H.** Brief résumé of modern thoracic surgery. Mil. Surgeon, 1936, **78**: 58–62.—**Matz, P. B.** Progress of chest surgery in the Veterans' Administration. Rep. Round Table Conf. Veterans Admin. Tbc. Physicians, 1937, 53.—**Motley, J. C.** Some observations on surgery of the chest during twenty-six months in the military service. Virginia M. Month., 1922–23, **49**: 30–3.—**Perera Prast, A.** Ocho meses de equipo de cirugía de tórax. Rev. españ. med. cir. guerra, 1938, **1**: 261–6.—**Sebestény, G.** A sebészet háborúban és békében, különös tekintettel a mellkasi sebészet rejlödésére. Arch. chir., Budap., 1948, **1**: 15–24.

—— Methods.

PAÎTRE, R. F. C. Les raisons anatomiques des diverses voies d'accès à la plèvre et aux médiastins. p.766–825. 22½cm. Par., 1925.
Also Arch. méd. pharm. mil., 1925. **82**:

WHITE, W. L. The use of penicillin in the prevention of postoperative empyema following lung resection; a report of a controlled study. 15p. 28cm. Wash., 1944.
Forms No. 35, Infect. Wounds & Burns Rep. (OSRD) Wash.

Betts, R. H., & Lees, W. M. Military thoracic surgery in the forward area. J. Thorac. Surg., 1946, **15**: 44–63.—**Brodkin, H.** La décortication du poumon. Arch. Serv. san. Armée belge, 1946, **99**: 233–6.—**Burkhardt, G.** Indikationsstellung und Ergebnisse der Auslese für thorax-chirurgische Massnahmen an dem Material einer Lungenheilstätte für Kriegsbeschädigte. Münch. med. Wschr., 1922, **69**: 575–7.—**Edwards, A. T.** Thoracic surgery in war; in the field and at the base. In: Interallied Conf. War Med. (1942–45) 1947, 127–31.—**Grujic, M.** [On indications for thoracocautery] Voj. san. glasnik, 1939, **10**: 265–76.—**Heusser, H.** Ueberdruckapparat für die Frontchirurgie. Helvet. med. acta, 1938, **5**: 927–30.—**Lowe, E. S.** Decortication of lung in organizing hemothorax and empyema. U. S. Nav. M. Bull., 1948, **48**: 52–60.—**MacLaurin, C.** War surgery at the front; chest and abdominal surgery. Med. J. Australia, 1917, **1**: 416–8.—**Malice, A.** La meningea media, la mammaria interna e l'epigastrica inferiore; rilievi anatomo-topografici e considerazioni cliniche. Gior. med. mil., 1939, **87**: 899–905.—**Nursing** service; thoracentesis. Med. Bull. U. S. First Army, 1948, **3**: No. 7, 14–7.—**Schwartz, A., & Quénu, J.** Chirurgie de la zone frontière thoraco-abdominale, thoraco-phréno-laparotomie. Paris méd., 1920, **35**: 149–52.—**Sellors, T. H.** Thoracic surgery in war; at the base. In: Interallied Conf. War Med. (1942–45) 1947, 135–8.—**Welch, C. S.** Thoracic surgery in war; in the field. Ibid., 132–5. ——— & **Tuhy, J. E.** Thoracic surgery in the forward areas. Am. J. Surg., 1946, **71**: 587–98.

—— Problems.

See also **Thoracic injury,** Treatment.

Churchill, E. D. The problems of wartime thoracic surgery. N. England J. M., 1942, **227**: 495.—**Matson, R. C.** Chest surgical problems in the Veterans Administration. Rep. Conf. Veterans Admin. Physicians, 1938, 6–14.

—— Thoracoplasty.

See also **Tuberculous,** Treatment.

BOVENSIEPEN, F. G. *Dauererfolge der thorakoplastischen Behandlung bei Lungentuberkulösen; Untersuchung an 200 ehemaligen Patienten des Deutschen Krieger-Kurhauses in Davos-Dorf. 58p. 23cm. Berl., 1939.

Aujaleu & Dubau. Thoracoplastie extra-fasciale datant d'un an; présentation de clichés. Bull. Soc. méd. mil. fr., 1939, **33**: 187.—**Billimoria, B. R., Chak, S. N., & Mehta, M. P.** Thoracoplasty for pulmonary tuberculosis. J. Ind. Army M. Corps, 1949, **5**: 18–23.—**Burr, L.** A technique for extra-pleural thoracoplasty. Med. Bull. Veterans Admin., 1942–43, **19**: 271.—**Dubau.** Présentation de deux plasties musculaires thoraciques. Bull. Soc. méd. mil. fr., 1947, **41**: 31.—**Escobar, J.** Resultados y técnica de la toracoplastia. Rev. san. mil., Madr., 1935, **25**: 338–48.—**Gay, W. M.** Extrapleural thoracoplasty; report of four cases. Med. Bull. Veterans Admin., 1932, **8**: 209–14.—**Goren, M. L.** Thoracoplasty; report of 50 cases. Ibid., 1939–40, **16**: 210.—**Haugseth, K.** Thorakoplastik im Marinekrankenhaus von 1919 bis 1935. Zbl. Chir., 1936, **63**: 2732–6.—**Jones, H. W.** Thoracoplasty for empyema with bronchial fistula and for chronic lung abscess. Mil. Surgeon, 1930, **66**: 791–805.—**Martin, A.** Thoracoplasty; a case report of unusual interest. Med. Bull. Veterans Admin., 1934, **10**: 340–2.—**Martin, R. F.** Brief comments on thoracoplasty; with case reports from Fort Stanton Marine Hospital. Hosp. News, Wash., 1940, **7**: No. 2, 1–15, 6 pl.—**Mason, G. A.** Thoracoplasty in the treatment of pulmonary tuberculosis. J. R. Nav. M. Serv., 1937, **23**: 326–33.—**Murphy, J. D.** Thoracoplasty for tuberculosis. Med. Bull. Veterans Admin., 1944–45, **21**: 140–3.—**Petrovic, G.** [Thoracoplasty in pulmonary tuberculosis] Voj. san. glasnik, 1931, **2**: 356–70.—**Rankin, J. O.** Osteoplastic repair of thoracic cage defects. U. S. Nav. M. Bull., 1945, **45**: 331–3.—**Rudolph, C. W.** A review of 244 thoracoplastic operations. Med. Bull. Veterans Admin., 1942–43, **19**: 1–7.—**Schneyder.** La thoracoplastie dans le traitement de la tuberculose pulmonaire. Bull. Soc. méd. mil. fr., 1946, **40**: 29–33.—**Shapiro, R., & Munz, C. W.** Thoracoplasty in the fifth and sixth decades. Med. Bull. Veterans Admin., 1941–42, **18**: 30–6.—**Thearle, W. H.** The selection of tuberculous patients for thoracoplasty. U. S. Veterans Bur. M. Bull., 1931, **7**: 117–23.—**Winternitz, M. C., Lindskog, G. E.** [et al.] Plastics in thoracic surgery. Research Rev. (U. S. Navy) 1948, Feb., 16–8.

THORACIC unit.

See also **Surgical unit.**

Beach, W. V. The surgical thoracic unit at R. N. Hospital, Chatham. J. R. Nav. M. Serv., 1949, **35**: 187–92.—**Effler, D. B., & Blades, B.** The function of thoracic surgery centers in World War II. Am. J. Surg., 1946, **72**: 319–30.—**Harken, D. E.** A review of the activities of the thoracic center for the III and IV hospital groups, 160th General Hospital European Theater of Operations, June 10, 1944 to Jan. 1, 1945. J. Thorac. Surg., 1946, **15**: 31–43.—**Linberg, B. E.** [Essai du travail d'un hôpital de l'armée des blessures de poitrine] Khirurgia, Moskva, 1940, No. 9, 97–105.—**Schofield, R. D. W.** The Middle East chest unit. J. R. Army M. Corps, 1949, **92**: 31–4.

THORACO-ABDOMINAL injury.

See also **Trunk.**

PUCKETT, W. O., McELROY, W. D., & HARVEY, E. N. Studies on wounds of the abdomen and thorax produced by high velocity missiles. 25p. 28cm. Wash., 1945.
Forms Missile Casualt. Rep. No. 19, Div. M. Sc. U. S. Nat. Res. Counc.

PUENTE CASTRO, J. Secuelas más importantes de los traumatismos accidentales y operatorios de torax y abdomen en los heridos de guerra. p.393–445. 21½cm. Santander, 1938.
In: Cuest. méd. quir. guerra (Gironés, L.)

Baryshnikov, K. I. [Combined wounds of the thoracic and abdominal cavities] Voen. san. delo, 1943, No. 7, 36–42.—**Betts, R. H.** The initial surgery of thoracoabdominal war injuries. J. Thorac. Surg., 1946, **15**: 349–64. ——— The management of thoraco-abdominal war injuries. Surgery, 1947, **21**: 136.—**Blackburn, G.** Thoraco-abdominal wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 56.

——— Thoraco-abdominal wounds in modern war. Ann. R. Coll. Surgeons England, 1948, **2**: 122–8. ——— & **D'Abreu, A. L.** Thoraco-abdominal wounds in war. Brit. J. Surg., 1945–46, **33**: 152–4.—**Boron & Masson, H.** A propos d'une plaie thoraco-abdominale. Bull. Soc. méd. mil. fr., 1948, **42**: 82.—**Falor, W. H., Burbank, C. B., & Jones, H. W.** 1063 war wounds of the thorax and abdomen. J. Mil. M. Pacific, 1946, **2**: 36–48.—**Gordon-Taylor, G.** Chest surgery in war; abdomino-thoracic injuries. Brit. M. J., 1941, **1**: 862–4.—**Gurevich, N.** Torako-abdominalnye ranenija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 281–5.—**Krupachev, I. F.** Torako-abdominalnye ranenija po materialam EH bližnego tyla. Khirurgia, Moskva, 1946, 57–63.—**Mackler, S. A.** Experience with thoracic and thoracoabdominal wounds in an evacuation hospital. J. Thorac. Surg., 1947, **16**: 538–70.—**Oltramare, J. H.** Plaies thoraco-abdominales. In his Chir. guerre, Lausanne, 1944, 370–7.—**O'Neill, J. N.** Diagnosis and surgical management of thoracoabdominal wounds aboard an assault transport. U. S. Nav. M. Bull., 1946, **46**: 1724–8.—**Puckett, W. O., McElroy, W. D., & Harvey, E. N.** Studies on wounds of the abdomen and thorax produced by high velocity missiles. Mil. Surgeon, 1946, **98**: 427–39.—**Snyder, H. E.** The management of intrathoracic and thoraco-abdominal wounds in the combat zone. Ann. Surg., 1945, **122**: 333–57.—**Sozon-Jaroshevich, A. J.** Torako-abdominalnye ranenija. In: Opyt sovet. med. v Velik. otech. voine, Moskva, 1949, **12**: 350–411, 5pl. Also Honvédorvos, 1950, **2**: 604 (Abstr.)—**Thoraco-abdominal** wounds. Bull. U. S. Army M. Dep., 1945, No. 85, 12.—**Uffreduzzi, O.** Le ferite d'arma da fuoco toraco-addominali. In his Chir. guerra, Tor., 1940, 987–1004, illust.

THORAX [incl. thoracic organs]

See also names of thoracic organs as **Heart; Lung,** etc.

RUSHMER, R. F. Physiology of increased intrathoracic pressure in relation to the effect of centrifugal forces; two cases of circulatory failure during increased intrapulmonic pressure. 4p. 28cm. Wash., 1944.

Forms No. 267, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Dorello, F., & Rowinski, P. Le alterazioni circolatorie e respiratorie in seguito a differenze tra la pressione intra- ed extra-toracica. Ann. med. nav., Roma, 1937, **43**: 511–21.—**Gorzkowski, E.** [On congenital defects of the pectoral muscle] Lek. wojsk., 1939, **33**: 94–7.—**Linberg, B., Shastin, P.** [et al.] Grudnaja kletka (thorax) In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 271–88, pl.—**Mallows, H. R.** Congenital funnel chest. J. R. Nav. M. Serv., 1949, **35**: 298–300.—**Sabaresse, I.** Lipsa congenitală a marelui pectoral; consideraţiuni medico-militare; două observaţii clinice. Rev. san. mil., Bucur., 1937, **36**: 68–72, illust.

—— Biometry.

KARPOVICH, P. V. A special tape for the measurement of chest expansion. 5p. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 24, U. S. Air Force School Aviat. M.

Cassinis, U. La misura dei diametri toracici in confronto a quella del perimetro nel giudizio di idoneitá fisica. Gior. med. mil., 1934, **82**: 4; 124.—**Kaetu.** Kyō-i husoku-sya ni tuite [On persons with insufficient chest girth] Gun idan zassi, 1927, 317–22, tab.—**Kozaki, I.** Kenkō-do to sono kyōkaku ni tuite [The relation between the degree of health and the thorax] Ibid., 1928, 1077–84.—**Nieto-Cosano, F.** Un comentario sobre el cuadro de inutilidades. Med. & cir. guerra, 1947, **9**: 111–4.—**Shilling, C. W.** Vital capacity and its relation to chest expansion. U. S. Nav. M. Bull., 1932, **31**: 7–18.—**Simington, A. D.** Landmarks of the chest. U. S. Veterans Bur. M. Bull., 1930, **6**: 228–32.—**Suzuki, O.** Sokukei-teki kyōkaku kakutyō ni kan-suru seitai-sokutei gaku-teki kenkyū [Biometrical studies on diametrical thorax expansibility] Kaigun gun-ikai zassi, 1940, **29**: 250; 344.—**Trepiccioni, E.** Perfezionamento dello strumentario per toracometria. Gior. med. mil., 1932, **80**: 211–3, illust.

—— Disease.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 69: Notes on certain diseases of the chest. 2p. 26cm. Wash., 1944.

Brette & Laurent. Un cas d'actinomycose thoracique. Arch. méd. pharm. nav., 1935, **125**: 288–97.—**Di Geronimo, G.** Nuovo segno differenziale fra limite di ottusità da innalzamento diaframmatico da frenico-exeresi e livello liquido da idropneumotorace omolaterale. Gior. med. mil., 1941, **89**: 790.—**Hakki, A.** [Case report of hydro-pneumothorax] Askerî sıhhiye mecmuası, 1937, **66**: 53–5.—**Old, E. H. H.** A case with a sterile collection of blood in the pleural cavity giving rise to symptoms resembling those of an empyema; operation; recovery. U. S. Nav. M. Bull., 1908, **2**: 40–2.—**Paine, J. R., & Plankers, A. G.** A review of patients with intrathoracic disease and injury treated on the surgical service of a United States Army General Hospital in North Africa. Surgery, 1945, **18**: 401–11.

—— Empyema.

See also **Pleural cavity,** Empyema.

Benson, C. D., & McLaughlin, C. W., jr. The changing picture of postpneumonic empyema thoracis complicating sulfonamide-treated pneumonia. U. S. Nav. M. Bull., 1944, **43**: 46–51.

—— Hemothorax.

See also **Thoracic injury,** Complications.

Cuono, J. D. Traumatic hemothorax. U. S. Nav. M. Bull., 1944, **43**: 1107–10.—**Ghimus, D.** Die physikalische Behandlung (Röntgenstrahlen, Kurzwellen, Höhensonne) des durch Kriegsverletzungen verursachten Hämatothorax. Radiol. Clin., Basel, 1944, **13**: 281–93.—**Hemothorax.** U. S. Nav. M. Bull., 1945, **45**: 177.—**Holt.** Haemothorax. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 131–4.—**Jonas, A. F.** Massive organizing hemothorax. J. Mil. M. Pacific, 1946, **2**: No. 2, 1–4.—**Kakisaka, K.** Sensyō no kenkyū; kyōbu syasō ni yoru kekkyō no rinsyō-teki kenkyū [Studies on war wounds; clinical studies on hemothorax due to gunshot wounds in the chest] Kaigun gun-ikai zassi, 1941, **30**: 197; 263; 357, 2pl.—**Kent, E. M., & Tebrock, H. E.** Posttraumatic hemothorax management. U. S. Nav. M. Bull., 1945, **45**: 14–21.—**Nicholson, W. F.** Clotted haemothorax. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 38; 60.—**Stacy, H. S.** Twenty years after; haemothorax; wound of liver and perinephric hemorrhage. J. R. Army M. Corps, 1940, **74**: 173.—**Stiles, F. C.** Spontaneous hemopneumothorax. Med. Bull. Europ. Command, 1949, **6**: No. 7, 6–12.—**Traumatic** haemothorax. Bull. Army M. Dep., Lond., 1943, No. 27, 5.

—— Tumor.

Barker, V. L., & Caes, H. J. Report of a case of intrathoracic ganglioneuroma. U. S. Nav. M. Bull., 1948, **48**: 298–302.—**McClanahan, C. W.** Roentgenographic diagnosis of intrathoracic malignancy with case reports. Med. Bull. Veterans Admin., 1938–39, **15**: 45–9.—**Makel, H. P.** Case report of neurilemmoma (schwannoma) Mil. Surgeon, 1937, **80**: 338–40.—**Miller, B.** Intrathoracic tumors. Med. Bull. Veterans Admin., 1942–43, **19**: 60–6.—**Rugg-Gunn, M. A.** A case of atypical lymphadenoma. J. R. Nav. M. Serv., 1940, **26**: 373–9.—**Smith, J. W.** Deep therapy treatment of intrathoracic neoplasms; preliminary report of two cases. U. S. Nav. M. Bull., 1925, **23**: 491–4, 4pl.—**Zamfir, D., & Ionescu, V.** Câteva consideraţiuni clinice şi radiologice asupra limfogranulomatozei maligne toracice, cu un caz clinic. Rev. san. mil., Bucur., 1937, **36**: 893–903, illust.

THREE-DAY fever.

See **Phlebotomus fever.**

THRESHOLD meter.

See **Light threshold meter.**

THROAT.

See also **Ear, nose and throat; Eye, ear, nose and throat; Larynx; Neck; Septic sore throat; Tonsil; Tonsillitis.**

Crawford, T. An analysis of 422 cases of infection of the throat and gums. J. R. Army M. Corps, 1944, **82**: 105–11.—**De Lamater, E. D.** Method of preserving throat swabs by freezing. News Lett. AAF Rheumat. Fever Control, 1944, No. 5, 18–21.—**Morris, S. J.** Diseases of the throat. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 761–6.—**Pomales Lebrón, A., Dammin, G. J.** [et al.] A throat culture survey of troops stationed in Puerto Rico. Puerto Rico J. Pub. Health, 1945–46, **21**: 287–305.—**Refik Yetkin, T. Atakan, & Z. Birsen** [Bacteriological observations on the treatment of abscesses of the throat in guinea pigs with gold preparations] Askerî vet. mecmuası, 1938, **15**: 323.—**Rosenthal, H. H.** Simple local treatment for throat infections. U. S. Nav. M. Bull., 1945, **45**: 75.—**Schuster, B.** Therapy of throat infections with bismuth vs. penicillin. Ibid., 1948, **48**: 61–5.—**Tigertt, W. D.** Collection of material for culture from the throat. Circ. M. Sect. Far East Command, 1947, No. 6, 15.

THROMBIN.

Cronkite, E. P., Deaver, J. M., & Lozner, E. L. Experiences with use of thrombin with and without soluble cellulose for local hemostasis. War Med., Chic., 1944, **5**: 80–2.—**Kudryashov, B.** Use of thrombin to stop bleeding in war wounds

reported in Russia. Chem. Leaflet, 1942–43, **16**: 59.—**Winterstein, A.** Thrombin. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 287–90.

THROMBO-EMBOLISM.

See also **Extremity.**

Rössle, R. Uber die Häufung von Thrombose und Embolie nach dem Kriege. 16p. 8° Berl., 1935.

Waugh, T. R., & Ruddick, D. W. Studies on increased coagulability of the blood. 11p. 28cm. Ottawa, 1944.

Forms No. C-606*3*, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Bouet. Les thromboses infectieuses chez les chevaux immunisés par injections microbiennes intraveineuses. Rev. vét. mil., Par., 1928, **12**: 167–76.—**Driskell, M. M., & Miller, D. L.** Idiopathic thrombophlebitis; report of a case. U. S. Nav. M. Bull., 1949, **49**: 903–6.—**Hall, G. H.** Thrombophlebitis, phlebothrombosis and pulmonary embolism. Surg. Staff Semin. Minneapolis Vet. Hosp., 1946, **1**: 18–35.—**Homans, J., Allen, A. W.** [et al.] Thrombosis. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 256–60.—**Kertzendorff.** Die sogenannte traumatische Thrombose (Thrombose par effort) Deut. Militärarzt, 1937, **2**: 485–7.—**Kleinsasser, L. J.** Intravenous clotting; an analysis of 500 cases observed in Army personnel at the vascular centers. Surgery, 1948, **23**: 687–721.—**Ohkubo, M.** Zikken-teki sensoku no kenkyū [Studies on experimentally produced thrombosis] Kaigun gun-ikai zassi, 1933, **22**: 80; 550, 2 pl.—**Rössle, R.** Die Häufung von Thrombose und Embolie nach dem Kriege. Forsch. & Fortsch., 1935, **11**: 147.—**Rohden, W.** Ueber die Häufigkeit von Thrombosen und Embolien im Göttinger Sektionsgut vor und nach dem Kriege. Zschr. Kreislaufforsch., 1933, **25**: 171–8.—**Ross, C. C., McLachlin, J. A., & Lewis, J. A.** A clinical study of thrombophlebitis and pulmonary embolism; preliminary report. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 5, 32–6.—**Schleussing, H.** Thrombose und Embolie vor und nach dem Kriege. Klin. Wschr., 1929, **8**: 2125–8.—**Shevkunenko, V. N., & Maksimenkov, A. N.** [Ligature of veins in the beginning of thrombophlebitis] Tr. Acad. mil. méd. Kiroff, 1936, **7**: 11–4.—**Taccani, G., & Pini, C.** L'aumento delle trombosi e delle embolie nel dopo-guerra e sue possibili cause. Pensiero med., 1937, **26**: 5; 37; 69, 3 ch.—**Timm, O. K.** Arterial thrombosis complicating distant hemorrhage. Med. Bull. Veterans Admin., 1944–45, **21**: 95.—**Vahdettin Ozen & Osman Oğuz** [Case of thrombophlebitis; convalescence] Askerî sıhhiye mecmuası, 1938, **67**: 11–3.—**Womble, C. C.** Thrombo-embolism. U. S. Nav. M. Bull., 1949, **49**: 895–902.—**Yzb Ziver Berkman** [Case of postoperative thrombophlebitis, treated by intravenous injections of rubiazol] Askerî sıhhiye mecmuası, 1941, **70**: 65–70.

THROMBOPENIA.

See **Hemorrhagic diathesis.**

THUMB.

See also **Surgical technic,** Hand.

Brown, R. A. Fracture dislocation of the first metacarpal bone (Bennett's fracture) J. R. Nav. M. Serv., 1937, **23**: 74–6.—**Du Bourget.** Trois cas de fracture de Bennet. Bull. Soc. méd. mil. fr., 1932, **26**: 197–200.—**Idrac.** Un cas de luxation du premier métacarpien. Ibid., 1935, **29**: 204.—**Koon, E. S.,** jr. Hypertrophy of the thenar muscles. Hosp. Corps Q., 1949, **22**: 29.—**Rallo, A.** Su l'etiologia e la patogenesi della macrosomia parziale (studio clinico ed anatomo-patologico) Ann. med. nav., Roma, 1928, **34**: 257–73.—**Van Demark, R. E.** Acute injuries of the first metacarpal in military personnel. Mil. Surgeon, 1946, **99**: 127–30.—**Yokokura, S.** San sikotu yori nareru bosi no iti rei [A case of a thumb with three phalanges] Kaigun gun-ikai zassi, 1933, **22**: 17, pl.

THYMUS.

Cankat, N. [On physiopathology of the thymus with reference to a case of hyperplasia of the thymus] Askerî sıhhiye mecmuası, 1938, **67**: No. 24, 27–43.—**Froggatt, T. W.** A case of thymic death; post-mortem report. J. R. Nav. M. Serv., 1940, **26**: 399–401.—**Grodzienski, E.** [Physiology and pathology of the thymus] Lek. wojsk., 1937, **29**: 705–19.—**McIntyre, W. P. E.** Three cases of status lymphaticus. J. R. Nav. M. Serv., 1948, **34**: 94.—**O'Flynn, J. A.** A malignant tumour of the thymus gland. Ibid., 1931, **17**: 5–11.

THYROGLOSSAL DUCT.

Clark, C. L. Diagnosis and treatment of thyroglossal duct cyst. Circ. M. Sect. Far East Command, 1947, No. 12, 5–8.—**Duguet, J.** Kyste du tractus thyréo-glosse. Bull. Soc. méd. mil. fr., 1936, 30: 122.—**Estrem, R. D.** Thyroglossal duct cysts and sinuses. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, **5**: 51–64.

THYROID.

See also **Goiter; Myxedema.**

Schachner, H. G., Gierlach, Z. S., & Krebs, A. T. The response of the thyroid gland to a low environmental temperature as studied with radioiodine. 6 l. 27cm. Fort Knox, 1949.

Forms Proj. No. 6-64-12-02-(6) U. S. Army M. Dep. Field Res. Laborat.

Castañedo, J. A. El tiroides; la glándula del calor. Rev. san. mil., Habana, 1943, **7**: 165.—**Fanlo, F.** Opoterapia; algo sobre un derivado sintético del tiroides. Bol. farm. mil., Madr., 1935, **13**: 193–9.—**Man** (A) of thyroid. Mil. Surgeon, 1940, **87**: 543.—**Schachner, H., Gierlach, Z. S., & Krebs, A.** A study of thyroid function at low environmental temperatures with the aid of radioactive iodine. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. C, Proj. 2, No. 5, 1; Proj. 2, No. 4, 1; Proj. 4. No. 4, 1.—**Sevket Artamh** [The thyroid hormone] Askerî sıhhiye mecmuası, 1940, **69**: No. 32, 95–104.

—— Disease.

See also **Thyrotoxicosis.**

United States. War Department. Army Institute of Pathology. Pathology of the thyroid gland. 31p. 25cm. Wash., 1944.

Baird, J. A. Nephrosis with hypothyroidism. Med. Bull. Veterans Admin., 1934–35, **11**: 272.—**Beier, V. A.** [Intermediary-nitrogen metabolism in affections of the thyroid gland] Tr. Acad. mil. méd. Kiroff, 1936, **5**: 239–50. ——— [Cholesterinemia in affections of the thyroid gland] Ibid., 261–80.—**Beverly, S. S.** Toxic adenoma of the thyroid with hypothyroidism. Med. Bull. Veterans Admin., 1941–42, **18**: 52–6.—**Bistriceanu, I. V.** Contribuţiuni la studiul histo-patologiei tumorilor glandelor tiroide şi paratiroide. Rev. san. mil., Bucur., 1935, **34**: 367; 421; 481, illust.—**Cavalli, M., & De Socchieri, S.** Considerazioni circa un caso di strumite acuta suppurativa trattato con penicillina. Gior. med. mil., 1948, **95**: 123–6.—**Clark, C. L., & Bowers, W. F.** Aberrant thyroid tissue in relation to malignancy; case report. Circ. M. Sect. Far East Command, 1947, No. 9, 30–3.—**Cunha, I. A. da.** Patologia da tiróide. Arq. brasil. med. nav., 1945, **6**: 817–41.—**Dedjulin, I. M.** [Basal and nitrogen metabolism in diseases of the thyroid gland] Voen. med. J., Moskva, 1930, **1**: No. 5, 75–9.—**Derbyshire, J. W., & Gray, P. A.,** jr. Acute suppurative thyroiditis. U. S. Nav. M. Bull., 1944, **42**: 419.—**Dragojević, B., & Bućić, M.** Metastazirajući adenom stitne žljezde ispoljen kao tumor mozga. Voj. san. pregl., Beogr., 1949, **6**: 185–7.—**Dugan, L. J.** Acute parenchymatous thyroiditis. Med. Bull. Veterans Admin., 1944–45, **21**: 99.—**Fiore, M.** Terapia iodica e stati tiroidei costituzionali. Gior. med. mil. 1933, **81**: 679–81.—**French, T. A., & Proctor, S. E.** Disseminated carcinoma from the thyroid gland; case report. Bull. U. S. Army M. Dep., 1946, **6**: 485–9.—**Fritz, J.** The relationship of hypothyroidism to dystrophic changes of the skin. U. S. Veterans Bur. M. Bull., 1931, **7**: 568–70.—**Gruescu, T., & Galisciuc, B.** Consideraţiuni generale asupra guşelor endotoracice în legătură cu un caz personal. Rev. san. mil., Bucur., 1937, **36**: 883–6.—**Itō, M.** Appaku-sei sekizuien wo hasseru ten-i-sei kōzyō-sensyu no iti bōken rei [An autopsy case of metastatic goitre that gave rise to compression myelitis] Kaigun gun-ikai zassi, 1934, **23**: 94–101, pl.—**Jianu, S. I.** Turburările tiroidiene în lumina actuala a ştiinţei, cu consideraţiuni statistice asupra etiologiei los în jud. Argeş. Rev. san. mil., Bucur., 1935, **34**: 573–7.—**Lahey, F.** Modern management of thyroid disease. Bull. U. S. Army M. Dep., 1948, **8**: 294–301.—**Landau, A.** [Nature and treatment of affections of the thyroid gland] Lek. wojsk., 1935, **26**: 513; 599.—**Mahon, F. F.** A case of early myxoedema. J. R. Nav. M. Serv., 1917, **3**: 481.—**Mastin, E. V.** The management of thyroid diseases in the soldier. Mil. Surgeon, 1936, **79**: 12–25.—**Morris, M., & Price, R. B.** Clinical and pathological notes on a case of adenocarcinoma of the thyroid gland. J. R. Army M. Corps., 1934, **63**: 119–22.—**Munly, W. C.** Thyroid heart disease; a review of the literature. Mil. Surgeon, 1926, **59**: 308–17.—**Pontrandolfi, P.** L'infiammazione acuta della ghiandola tiroide. Ann. med. nav., Roma, 1938, **44**: 18–23.—**Riveros, M.** Cáncer de cuerpo tiroides. Rev. san. mil., Asunción, 1937–38, **10**: 537–54.—**Starns, C. E.** The symptomatology of hypothyroidism. U. S. Veterans Bur. M. Bull., 1931, **7**: 564–7.—**Strother, R. B., & Fix, L. W.** Thyroid cancer in young adults; report of four cases. U. S. Armed Forces M. J., 1950, **1**: 275–9, illust.—**Troy, T. S., & Wright, B. T.** Primary adeno-carcinoma of the thyroid gland. Med. Bull. Veterans Admin., 1938–39, **15**: 175.

—— Injury.

See also **Neck.**

Cottell, R. C. A case of myxoedema following a gun-shot injury to the neck. J. R. Army M. Corps, 1907, **8**: 298–302.—**Teneff, S.** Le ferite d'arma da fuoco della tiroide. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 778.

—— Surgery.

See under **Surgical technic.**

THYROTOXICOSIS.

See also **Exophthalmos; Goiter.**

MEANS, J. H. New methods of treating thyrotoxicosis. 7p. 27cm. Wash., 1946.
Forms Techn. Bull. TB 10-20, U. S. Veterans Admin.

PACKARD, J. M., & GRAYBIEL, A. Bundle branch block as a temporary phenomenon in thyrotoxicosis; report of a case. 8 l. 27cm. Wash., 1948.
Forms Rep. No. 2, Res. Proj. No. NM-001-019, U. S. Nav. School Aviat. M.

Blumgart, H. L., & Hertz, S. Radioactive iodine therapy of Graves disease. Q. Project Summary Off. Nav. Res., 1948, July, 415.—**Danić, J. R.** [Case of successful operative treatment of Basedow's disease] Voj. san. glasnik, 1938, **9**: 388.—**Dannehl.** Militärdienst und Thyreotoxie. Deut. mil. ärztl. Zschr., 1915, **44**: 41-60.—**Dario Quiroz, J.** Algunas nociones para el tratamiento del hipertiroidismo. Rev. san. mil., Asunción, 1940-41, **14**: 137-44.—**Dragojević, B.** Tireotoksikoza. Voj. san. pregl., Beogr., 1948, **5**: 314-8.—**Gattig, W.** Gibt es einen Kriegsbasedow? Arch. klin. Chir., 1943-44, **205**: 580-8.—**Giacanelli, V. U.** Sopra un caso di gozzo circoscritto con sindrome de Cl. Bernard-Horner. Gior. med. mil., 1936, **84**: 664-8.—**Hadi Uysalefe** [Basedow's disease; a case in a dog] Askerî tibbi baytarî mecmuası, 1937, **14**: 210-37.—**Hindmarsh, T. A.** The treatment of thyrotoxicosis in recruits to the Forces. Med. Press & Circ., Lond., 1945, **213**: 67-70.—**Hoste, O.** Enkele beschouwingen bij de behandeling van de hyperthyroidie met het propylthiouracil. Belg. tschr. mil. geneesk., 1949, **102**: 21-7.—**Hurst, A.** Hyperadrenalism and hyperthyroidism. In his Med. Dis. War, 2. ed., Lond., 1941, 129-34. Also 3. ed., Lond., 1943, 137-42.—**Iversen, K.** An epidemic wave of thyrotoxicosis in Denmark during World War II. Am. J. M. Sc., 1949, **217**: 121-9.—**Jame, L., & Mauvais, A.** Maladie de Recklinghausen et maladie de Basedow associées. Bull. Soc. méd. mil. fr., 1937, **31**: 369-74.—**Kilgour, J. M.** Antithyroid drugs in the treatment of hyperthyroidism. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 88.—**Lafontaine, A.** Quelques remarques à propos de l'emploi du thiouracil dans l'hyperthyroïdie. Arch. Serv. san, Armée belge, 1946, **99**: 239-41.—**Landau, A.** Czy gruczoł tarczowy jest wyłącznym źródłem powstawania klinicznego i patofizjologicznego zespołu nadtarczyczności? Lek. wojsk., 1943-44, **35**: 263-5.—**MacKenzie, M. V.** Chronic thyrotoxic myopathy; report of a case complicated with diabetes mellitus. U. S. Nav. M. Bull., 1940, **38**: 381-7.—**Martínez, V. M.** Roentgenterapia en la tireotoxicosis. Rev. san. mil., Asunción, 1940-41, **14**: 185-93.—**Merikangas, U. R.** Hyperthyroidism; diagnosis and treatment. U. S. Armed Forces M. J., 1950, **1**: 1-11.—**Moerman, J.** Reuzen ulcus van den achterste maagwand en exophtalmis kropgezwel. Belg. tschr. mil. geneesk., 1949, **102**: 79-81.—**Moore, G. B.,** jr, & **Tannenbaum, A. J.** A case of acute thyroid crisis associated with bronchopneumonia. Mil. Surgeon, 1942, **90**: 643-7.—**Riza, H.** [Treatment of Basedow's disease] Askerî sıhhiye mecmuası, 1933, **62**: 68-74.—**Vokoun, F. J.** Toxic goiter and the brain. Mil. Surgeon, 1935, **77**: 350-2.—**Wakeley, C. P. G.** The treatment of thyrotoxicosis. J. R. Nav. M. Serv., 1937, **23**: 71.—**Wilkinson, C. F.,** jr, & **Fancher, P. S.** The coexistence of essential familial hypercholesterolemia and thyrotoxicosis. Bull. U. S. Army M. Dep., 1949, **9**: 307-11.—**Wood, H.,** & **Hamm, J. N.** Thyrotoxicosis complicated by hypothalamic and duodenal hemorrhage; report of a case. U. S. Nav. M. Bull., 1945, **44**: 1282.

TIBIA.

See also **Fracture**—by site: Tibia; **Surgical technic,** Extremities: Lower extremity.

Achpise, A. Traitement non sanglant du diastasis tibiopéronier dans une formation de guerre. Union méd. Canada, 1941, **70**: 602.—**Coïc.** Un cas d'apophysite antérieure de croissance du tibia. Bull. Soc. méd. mil. fr., 1933, **27**: 182.—**Klass, A. A., & Farrell, W. A.** Fatigue fractures of the tibia. J. Canad. M. Serv., 1944-45, **2**: 25-36.—**Kobayasi, I.** Kuho ni yoru keikotu tokuhatu kossetu no syörei [Cases of spontaneous tibia fracture due to running] Kaigun gun-ikai zassi, 1940, **29**: 484-97, 2pl.—**Mann, T. P.** Fatigue fracture of tibia; three cases at a naval training establishment. Lancet, Lond., 1945, **2**: 8-10, pl.—**Monot.** A propos d'un cas d'apophysite tibiale antériore. Bull. Soc. méd. mil. fr., 1934, **28**: 27-30.—**Roca, C. A., Imaz, J. I.** [et al.] Pseudofractura de la tibia o enfermedad de Ollonqvist. Rev. san. mil., B. Air., 1946, **45**: 172-85.—**Schaefer, W. B.** Nontraumatic tears of the tibial fascia. Mil. Surgeon, 1943, **93**: 308-10.—**Sideman, S., & Gunther, W. A.** Osteoplastic repair of defects of the tibia following osteomyelitis due to trauma. U. S. Nav. M. Bull., 1947, **47**: 683-9.—**Sorley, E. R.** Recurrent streptococcal periostitis of the tibia. J. R. Nav. M. Serv., 1942, **28**: 253-6.—**Sterin, L., & Sterin, R.** Fracture spontanée du tibia du type march fracture. Lille chir., 1947, **2**: 166-8.—**Stotz, W.** Die Fibularesektion bei Pseudarthrosen und verzögerter Knochenbruchheilung des Schienbeines. Bull. War M., Lond., 1942-43, **3**: 385 (Abstr.)

TIBIAL vessels.

Sidgwick, H. C. A case of saccular aneurysm of the posterior tibial artery; complete exposure and extirpation of the sac. J. R. Army M. Corps, 1926, **47**: 448-50.—**Weitzel.** Anévrisme artério-veineux des vaisseaux tibiaux antérieurs. Bull. Soc. méd. mil. fr., 1923, **17**: 45-7.

TIC.

Noica, D., & Lupulescu, I. [Case of post-operative tic: simultaneous opening of mouth with protrusion of tongue (lesion of corpus striatum)] Rev. san. mil., Bucur., 1929, **28**: 169-72.—**Picard.** Tics. Arch. méd. pharm. nav., 1937, **127**: 767.—**Süreyya Gördüren** [Case of emotional tic, cured by suggestion therapy] Askerî sıhhiye mecmuası, 1940, **69**: 33-5.

TICK.

See also **Rickettsiasis.**

Leighton, H., Vallier, E. E., & Clark, J. C. Tick investigations in Texas. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 38.—**Massa, F.** Contributo alla distribuzione geografica delle zecche Ornithodorus, nella Somalia italiana. Gior. med. mil., 1936, **84**: 453-9.—**Tests** with ticks. Res. Program U. S. Army M. Res. Bd, 1947, July, 115.—**Tick control investigations** at Camp Bullis. Ibid., 122.—**Waller, I. H.** Ticks and tick-borne diseases. Med. Bull. U. S. First Army, 1949, **4**: No. 3, 3.

TICK fever.

See **Rickettsiasis,** tickborne.

TIETZE'S disease.

See under **Rib.**

TILTING.

LANDIS, E. M., PATTERSON, J. L., & HAM, G. C. Studies on the circulatory changes induced by tilting and nitroglycerine administration in a series of young male subjects. 1p. 28cm. Wash., 1943.
Forms No. 190, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

TILT-TABLE.

See with **Blackout pilot.**

TINEA.

See also **Dermatophytosis; Mycosis; Scalp.**

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 161: Control of ringworm in military animals. 2p. 26cm. Wash., 1945.

Baganz, C. N., & Rosenthal, A. D. Tinea infection of psychotic patients. Med. Bull. Veterans Admin., 1942-43, **19**: 193-5.—**Beckett, C. G.** Ringworm or tinea infection of the toes. U. S. Veterans Bur. M. Bull., 1930, **6**: 793-8.—**Brain, R. T.** The treatment of ringworm in recruits. Med. Press & Circ., Lond., 1941, **206**: 278-81.—**Caro-Patón, T.** Observación de una epidemia en la región leventina durante la guerra; tiñas de origen animal y de origen humano. Actas derm. sif., Madr., 1940-41, **32**: 313; 362.—**Fraser, P. K.** The treatment and prophylaxis of superficial ringworm infections. J. R. Army M. Corps, 1940, **74**: 145-53.—**Holmes, J. G.** A powder for ringworm. J. R. Nav. M. Serv., 1939, **25**: 177.—**Noel-Hanson, P.** Clinical memorandum on tinea infestation. J. R. Army M. Corps, 1942, **78**: 134-7.—**Tinea** of the foot, groin or axilla. Bull. Army M. Dep., Lond., 1943, Suppl., No. 2, 1-8.—**Waldin, G. G.** The phenol and camphor treatment of ringworm of the glabrous skin; an interim report. J. R. Army M. Corps, 1943, **81**: 32-4.

—— T. versicolor.

Glenn, W. R., & Hailey, H. Tinea versicolor. U. S. Nav. M. Bull., 1943, **41**: 205.

—— in animals.

Barringer, J. L. Treatment of ringworm at Reno Q. M. I. D. Fort Reno, Oklahoma. Vet. Bull., Wash., 1927, **20**: Suppl. 49-55.—**Bridgeman, M.** Treatment of ringworm by the hypo-Hcl method. J. R. Army Vet. Corps, 1942-43, **14**: 81.—**Brocq-Rousseu, Urbain & Barotte.** Étude sur les teignes du cheval. Rev. vét. mll., Par., 1926, **10**: 355-76.

TINEA pedis.

See **Foot,** Mycosis.

TINIAN.

See **World War II.**

TINNITUS.

Hurst, A. F. Tinnitus. In his Med. Dis. War, 3. ed., Lond., 1943, 92.—**Kindler, W.** Beobachtungen über sog. objective Ohrgeräusche, ihre Entstehung und wehrmedizinische Bedeutung. Deut. Militärarzt, 1943, **8**: 42–5.—**Tupin, Gauthier-Lafaye & Franck de Préaumont.** Allergie et bourdonnements d'oreille. Bull. Soc. méd. mil. fr., 1949, **43**: 150.

TISSUE.

See **Soft tissue.**

TISSUE therapy.

See under **Therapeutics.**

T N T

See **Trinitrotoluene.**

TOBACCO.

See under **Smoking.**

TOBIAS-WEITBRECHT manual resuscitator.

See under **Resuscitator.**

TOBRUK siege.

See with **World War II.**

TOBRUK splint.

See **Fracture**—by site: Extremity, lower; also **Plaster of Paris,** Tobruk plaster.

TOCOPHEROL.

See under **Vitamin.**

TOE.

See also **Foot; Fracture**—by site: Foot; **Surgical technic,** Amputation: Lower extremity; **Tinea.**

Kondratjev, E. G. O deformacii nožnykh palcev. Voen. med. J., S. Peterb., 1904, **82**: pt 2, 516–9.—**Michele, A. A., & Krueger, F. J.** Operative correction for hammer toe. Mil. Surgeon, 1948, **103**: 52.—**Prevention** of toe contractures. Bull. U. S. Army M. Dep., 1945, No. 85, 25.—**Tomšik, L.** [Supernumerary toe on the heel] Voj. zdrav. listy, 1932, **8**: 193–5.

TOLERANCE.

See as subheading of the following terms: **Acceleration; Altitude; Anoxia; Centrifugal force; Gravitation; Heat; Radiation; Radiation gamma.**

TOLERANCE dose of radiation.

See **Radiation,** Tolerance.

TOLUENE.

See **Trinitrotoluene.**

TOMATO.

Consolazio, W. V., & O'Neal, J. D. Storage qualities of canned tomato juice exposed to elevated temperatures. 4p. 27cm. Bethesda, 1946.
Forms Rep. No. 17, Res. Proj. X–127, U. S. Nav. M. Res. Inst.

Haugen, G. E. Ascorbic acid losses produced by frying green tomatoes. 3p. 26½cm. Bethesda, 1946.
Forms Rep. No. 4, Res. Proj. X–295, U. S. Nav. M. Res. Inst.

Acanfora, G. Sui tumori sperimentali da succo di pomodoro. Ann. med. nav., Roma, 1937, **43**: 42–56.—**Chabrand, J. J.** Sur l'analyse des conserves de tomates. Arch. méd. pharm. mil., 1933, **99**: 277–80.—**Scotti, G.** Sulla determinazione dei cloruri nelle conserve di pomodoro. Gior. med. mil., 1938, **86**: 752–5.

TOMOGRAPHY.

See under **Radiography.**

TONGUE.

See also **Mouth.**

Alvarez Sainz de Aja, E. Síndromes linguales por acción directa de focos dentarios sépticos. Rev. españ. med. cir. guerra, 1943, 2. época, **6**: 3–5.—**Caliendo, M.** Raro caso di ritenzione di grossa scheggia metallica nella base della lingua. Gior. med. mil., 1935, **83**: 351–4.—**Chahović, X., & Vićnjić, M.** [Case of cancer of the tongue] Voj. san. glasnik, 1934, **5**: 763–6.—**Gerwig, W. H., jr, & Dick, A.** Abscess of the tongue. Mil. Surgeon, 1942, **91**: 337–40.—**Klugman, G. A., & Litmanovich, G. L.** Rubcevye deformacii jazyka. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 231–5.—**Little, R. D.** Lingua nigra; report of a case. U. S. Nav. M. Bull., 1944, **43**: 360.—**Murdy, W. F.** Tremor of tongue in syphilis. Ibid., 1929, **27**: 139.—**Panconcelli-Calzia, G.** Ueber die Wiedererlangung der Sprechfähigkeit nach Zungenverletzungen. Deut. Militärarzt, 1943, **8**: 270.—**Pesme & Kliszowski.** A propos d'un abcès de la base de la langue. Bull. Soc. méd. mil. fr., 1935, **29**: 322–6.—**Smith, B. H.** An investigation into certain tongue changes in British troops. Brit. M. J., 1946, **2**: 489–91.—**Wells, C. R., & Cooper, G. W.** Black tongue. U. S. Nav. M. Bull., 1926, **24**: 12–30, pl.—**Yver, E.** Les abcès et les oedèmes aigus de la langue. Arch. méd. pharm. nav., 1926, **116**: 111–20. ——— & **Farges, R.** Sur une variété de phlegmon de la racine de la langue, le phlegmon médian intergénio-glosse. Ibid., 1934, **124**: 149–64.—**Zembrzuski, L.** [Early diagnosis of cancer of the tongue] Lek. wojsk., 1932, **20**: 149–54

TONKIN Campaign (1947–50)

See under **Wars and campaigns.**

TONSIL.

See also **Tonsillitis.**

Smolens, N. M. Styloid processes encroaching upon the tonsils; case report. Mil. Surgeon, 1942, **91**: 578.

—— Disease.

See also **Diphtheria,** Pathology; **Septic sore throat.**

Accorinti, V. Polipo fibroso della tonsilla palatina di destra. Gior. med. mil., 1926, **74**: 262–4.—**Bochkovsky, P. I.** [Case of large polypoid tumor, developed from the palatal tonsil] Voen. med. J., Petrogr., 1914, **241**: Med. spec. pt, 416.—**Kotkowski, A.** Morphological blood picture in various simple and complicated affections of the palatine tonsils. Lek. wojsk., 1936, **27**: 480–501.—**Lawner, S.** Zur Symptomatologie der Rachenmandel bei Soldaten. Mil. med. & ärztl. Kriegswiss., Wien., 1914, 499–505.

—— Hypertrophy.

Bell, D. W., & Drummond, W. A. D. Pedunculated growth of the faucial tonsil. J. R. Army M. Corps, 1949, **92**: 164–7.—**Campo, F.** Modificazioni ematologiche nei soggetti con ipertrofia delle tonsille palatine prima e dopo l'atto operativo. Ann. med. nav., Roma, 1926, **2**: 39–47.—**Gandullo, L.** Algunas consideraciones sobre el tratamiento de la hipertrofia de las amigdalas palatinas. Rev. san. mil., Madr., 1934, **24**: 304.—**Siegert.** Beeinflusst die Hypertrophie der Tonsillen die Entstehung von Mandelentzündungen; wann ist Indikation zur Unterbindung der Vena jugularis gegeben (Erfolg und Misserfolg)? Veröff. Heer. San., 1937, H. 104, 197–211.

—— Peritonsillar abscess.

Berkove, A. B. Peritonsillar abscess; a plan for conservative treatment. Mil. Surgeon, 1944, **95**: 462–6.—**Cammisa, J. J. V.** Pneumococcus septicemia complicating peritonsillar abscess with specific serum therapy. U. S. Nav. M. Bull., 1937, **35**: 339–43.—**Cragin, H. S.** Ludwig's angina following double peritonsillar abscess. Ibid., 1924, **21**: 76–8.—**Guillermin.** Le traitement chirurgical des suppurations périamygdaliennes. Arch. méd. pharm. mil., 1933, **98**: 407–28.—**Kneucker, R.** Arrosionsaneurysma der A. carotis interna nach Mandelabscess. Deut. Militärarzt, 1941, **6**: 291–4.—**Küttner.** Peritonsillitis und Diphtherie. Ibid., 1943, **8**: 330–2.—**Muzzio, J. C.** Flemones de la celda amigdalina. Rev. san. mil., B. Air., 1945, **44**: 1130–51.—**Nejat Riza.** Bademcik ve çevresi apselerinde, cure radical, ve klinik istatistigi, tedavi mukayeseleri. Askeri sihhiye mecmuasi, 1936, **65**: No. 15, 1–7.—**Talbot.** Le traitement des phlegmons péri-amygdaliens par les composés diazoïques. Bull. Soc. méd. mil. fr., 1938, **32**: 509.—**Vialle, J., & Duguet, J.** A propos de trois cas de phlegmons périamygdaliens traités par l'amygdalectomie totale à tiède en deux temps. Ibid., 1934, **28**: 134–6.—**Zurik, S., & Tanner, M. M.** Pterygomandibular abscess confused with acute peritonsillar abscess; with report of a case. U. S. Nav. M. Bull., 1946, **46**: 1909.

TONSILLECTOMY.

See also **Tonsil, Hypertrophy; Tonsillitis.**

Alkalaj, M. [Modification in tamponade following tonsillectomy] Voj. san. glasnik, 1938, **9**: 378–80.—**De Villiers, R.** Una nueva técnica para la ligadura de vasos en la amigdalectomia. Rev. san. mil., Habana, 1937, **1**: 112–4.—**Eloy, L.** L'amygdalectomie. Arch. belg. Serv. san. armée, 1939, **92**: 233–40.—**Emenhiser, L. K.** Too many tonsillectomies! Mil. Surgeon, 1942, **91**: 182–5.—**Halász, G.** Néhány megjegyzés a tonsillektomiáról. Honvédorvos, 1950, **2**: 220–2.—**Harlowe, H. D.** Thrombophlebitis following tonsillectomy. Bull. U. S. Army M. Dep., 1946, **6**: 86.—**Kecht, B.** Zur Tonsillektomie bei Paratonsillitis. Deut. Militärarzt, 1941, **6**: 155–60.—**Lane, F. F.** The relief of pain and discomfort following tonsillectomy and submucous resection. U. S. Nav. M. Bull., 1934, **32**: 179–83.—**Locy, F. E.** Post-tonsillectomy pain. Ibid., 1929, **27**: 303–6.—**Love, J. M.** The dangers of tonsillectomy. U. S. Veterans Bur. M. Bull., 1928, **4**: 331–4.—**Malan, A.** Sul problema tonsillare. Gior. med. mil., 1933, **81**: 727.—**Malecki, J.** Kleszczyki do podwiązywania naczyń i przyrząd do szycia luków podniebnych własnej konstrukcji. Lek. wojsk., 1949, **25**: 322.—**Maxwell, J. A.** A note on tonsillectomy. J. R. Nav. M. Serv., 1935, **21**: 151–3.—**Mize, H. E.** Tonsillectomy for adult patients. U. S. Veterans Bur. M. Bull., 1931, **7**: 150.—**Moulden, C. A.** Local anaesthesia for tonsillectomy. J. R. Army M. Corps, 1942, **78**: 251.—**Muzzio, J. C.** Causas clínicas y tratamiento preventivo de las hemorragias postamigdalectomía. Rev. san. mil., B. Air., 1944, **43**: 259–66. ——— La amigdalectomía y la adenoidectomía. Ibid., 1945, **44**: 353–92.—**Novák, M.** Tonsillectomie à chaud. Lek. wojsk., 1941, **34**: 124–7.—**Pinto Fernandes, A.** Um caso de paralisia facial consequente a amigdalectomia. Arq. brasil. med. nav., 1942, **3**: 909–13.—**Quiroz, D., & Ruiz Agüero, G.** La tonsilectomía en las unidades y en consultorio, en el medio rural. Rev. san. mil., Asunción, 1938–39, **12**: 963–6.—**Riza, N.** [Total tonsillectomy] Askerî sıhhiye mecmuası, 1933, **62**: 21–6.—**Souza Medina, D. de.** Considerações sôbre as amígdalas; amigdalectomia. Arq. brasil. med. nav., 1944, **5**: 653–6.—**Tromeur.** Un accident rare de l'amygdalectomie; l'épilepsie. Arch. méd. pharm. nav., 1938, **128**: 143–51.—**Weber, M.** Die Anzeigen zur Ausschälung der Gaumenmandeln. Deut. Militärarzt, 1942, **7**: 209–20.—**Worthington, W. C.** Why tonsillectomy? U. S. Veterans Bur. M. Bull., 1926, **2**: 1056–63.—**Ziegler, E.** Die Anzeige zur Frühausschälung der Gaumenmandeln. Deut. Militärarzt, 1938, **3**: 481–6.

TONSILLITIS.

See also **Sepsis, Etiology; Septic sore throat; Vincent infection.**

Ankudowicz, S. [Complications in acute and chronic inflammations of the tonsils] Lek. wojsk., 1935, **25**: 143–52.—**Comyn, K.** Report of an outbreak of follicular tonsillitis in Moascar Camp, Ismailia, Egypt. J. R. Army M. Corps, 1927, **48**: 223–7.—**Dehnert, E. F.** Treatment of acute tonsillitis. U. S. Nav. M. Bull., 1944, **42**: 432.—**Diagnosis** of beta hemolytic streptococcal pharyngitis and tonsillitis. Bull. U. S. Army M. Dep., 1945, **4**: 499.—**Errecart, P. L.** Anginas de bismuto. Rev. san. mil., B. Air. 1935, **34**: 57–63.—**Fricker, J. M.** Considérations sur les angines et leur traitement. Rev. Serv. san. mil., Par., 1938, **108**: 537–73.—**Gettelman, E., & Kaiz, S. P.** The treatment of severe tonsillitis in a Naval dispensary. U. S. Nav. M. Bull., 1944, **42**: 399–402.—**Goldberg, A.** [Treatment of angina by streptocid] Voen. san. delo, 1937, No. 11, 110.—**Gołynski, B.** [Post-operative angina] Lek. wojsk., 1938, **32**: 464–70.—**Gruet, E.** Sur quelques complications de l'infection chronique des amygdales. Caducée, Par., 1912, **12**: 289; 1913, **13**: 24.—**Hasan, H., & Husrev, D.** (Anginas and diseases of the buccal cavity) Askerî sıhhiye mecmuası, 1933, **62**: 112–32.—**Iacobelli, G.** Contributo alla conoscenza dei rapporti tra angine e nefrlti. Ann. med. nav., Roma, 1930, **36**: pt 2, 673–81.—**Kramer.** Vitamin C-Behandlung der Angina tonsillaris. Deut. Militärarzt, 1939, **4**: 5.—**Kulakci, N.** [Waldeyer's anginas and adenopathias] Askerî sıhhiye mecmuası, 1937, **66**: 45–8.—**Lindvall, H.** [Preventive vaccination in infectious diseases of the throat, especially in angina tonsillaris] Tskr. mil. hälsov., 1935, **60**: 1–10.—**Manzano, F.** Tratamiento quirúrgico de las amigdalitis y adenoiditis. Bol. farm. mil., Madr., 1933, **11**: 156–60.—**Martínez Berganza, R.** Angina de Plaut-Vincent y linfocitoma. Med. & cir. guerra, 1948, **10**: 101–3.—**Panaščenko, A.** [Autohemo- and serotherapy in tonsillitis treated in dispensaries] Voen. san. delo, 1936, No. 12, 21–4.—**Paponnet & Godau.** Un cas sporadique d'angine lymphomonocytaire à forme éruptive. Arch. méd. pharm. nav., 1936, **136**: 137–54.—**Perkins, H. N.** Treatment of acute follicular tonsillitis by prontosil. J. R. Army M. Corps, 1937, **69**: 267.—**Petzoldt, H.** Erfahrungen mit Wismutpräparaten bei der Behandlung von Anginen. Veröff. Heer. San., 1938, H. 105, 574–6.—**Propositi, T.** The cause and means of prevention of tonsillitis, with special reference to naval and military service. J. R. Army M. Corps, 1932, **59**: 352; 410.—**Ragoza, N.** Angina. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 172–87, pl.—**Sajitz, J. A.** Zur Anginenbehandlung bei der Truppe. Deut. Militärarzt, 1944, **9**: 219.—**Schmidt, V.** Vismutbehandling af angina tonsillaris. Militaerlaegen, 1942, **48**: 29–34.—**Smith, A. N., & Stewart, J. P.** Vincent's infection of the tonsils. J. R. Army M. Corps, 1942, **79**: 253–7.—**Souter, J. C.** A case of gangrenous tonsillitis with recovery. J. R. Nav. M. Serv., 1934, **20**: 367–9.—**Vahdettin Oezan.** Hâd anjinler. Askerî sıhhiye mecmuası, 1946, **75**: No. 46, 15–22.—**Weiss.** Schwere Reizleitungsstörung nach Mandelentzündung. Deut. Militärarzt, 1938, **3**: 478–81.—**Young, N.** Treatment of tonsillitis in recruits. Med. Press & Circ., Lond., 1941, **206**: 484–7.

TOOTH.

See also subsequent main headings.

Dental examinations in New Guinea. Bull. U. S. Army M. Dep., 1944, No. 80, 31.—**Freitag, W.** Ueber die Einwirkung der Kälte auf das Zahnsystem. Luftfahrtmedizin, 1942–43, **7**: 335–43.—**Hydrogen** ion determinations of the tooth. Res. Program U. S. Army M. Res. Bd, 1947, Apr., 87.—**Largeman, H. C.** The effect of malnutrition on calcification and growth of the teeth during childhood. Mil. Surgeon, 1949, **104**: 373–7.—**Losee, F. L.** Method of growing the rat tooth germ in vitro using the depression slide. U. S. Nav. M. Bull., 1943, **41**: 758–63.—**Lott, F. M.** Report of the Military Committee of the Canadian Dental Association. J. Canad. Dent. Ass., 1938, **4**: 573–82.—**Manly, A. S.** Determination of masticatory efficiency. Q. Project Summary Off. Nav. Res., 1948, July, 424.—**Ravaschio, O. N.** Sobre un coeficiente de valor masticatorio en el soldado. Rev. san. mil., B. Air., 1946, **45**: 405–10.—**Reese, D. M.** Some short cuts on dental survey and classification. Army Dent. Bull., 1943, **14**: 115–8.—**Wilton, A.** [Teeth, vitamin C and normal rations in Swedish Army] Tskr. mil. hälsov., 1931, **56**: 44–54.—**Winblad, F. A. S.** Dental survey in the Marshall Islands. U. S. Nav. M. Bull., 1944, **43**: 1141–4.

——— Abnormalities.

Camoglu, S. [Dental inclusion] Askerî sıhhiye mecmuası, 1937, **66**: 105–12.—**Klee, F. E.** Atypical neuralgia the result of impacted teeth. Bull. U. S. Army M. Dep., 1943, No. 69, 79.—**Perna, A.** Disodontiasi del 3° multicuspidato inferiore (dente della saggezza) Gior. med. mil., 1913, **61**: 272–98, illust.—**Rehrauer, W.** Analysis of dental abnormalities found on annual physical examination of officers. U. S. Nav. M. Bull., 1939, **37**: 380–3, 6 pl. ——— **& Berglund, K. Van L.** Dental abnormalities in recruits. Ibid., 1940, **38**: 242–6.—**Sabatini, A.** La frequenza degli incisivi superiori palettiformi in soggetti italiani. Gior. med. mil., 1932, **80**: 658–68.—**Semsettin Nusret** [Interesting case of retained teeth in the lower jaw] Askerî sıhhiye mecmuası, 1935, **64**: 151.—**Taylor, W.** Supernumerary teeth. Med. Bull. Veterans Admin., 1941–42, **18**: 337.—**Varenne.** Note sur un cas de quatrièmes molaires. Arch. méd. nav., Par., 1913, **99**: 99.

——— Absence.

Clewer, D. Case of multiple absence of permanent teeth. J. R. Army M. Corps, 1928, **50**: 212–4.—**Lister, C. S.** A review of forty edentulous cases. Med. Bull. Veterans Admin., 1933, **10**: 151.—**Poelstra, T., Carydis, N.** [et al.] Edentates in the armies; definition, treatment, prosthesis, military employment in times of peace and war. Mil. Surgeon, 1938, **82**: 330; 417.

——— artificial.

See **Denture.**

——— Cavity filling.

Alister, H. A. Gold inlays by the indirect method. U. S. Veterans Bur. M. Bull., 1927, **3**: 915–8.—**Paffenbarger, G. C.** Acrylic resins as filling material. Bumed News Lett., Wash., 1944, **3**: No. 10, 14.—**Phinney, C. R.** The restoration of incisal corners with amalgam. U. S. Nav. M. Bull., 1943, **41**: 1752–4.—**Restarski, J. S.** Effect of changes in barometric pressure upon dental fillings. Ibid., 1944, **42**: 155–7.—**Temporary** dental fillings. Bumed News Lett., Wash., 1944, **4**: No. 9, 13.

——— Cyst.

Clemente, N. V. Dentigerous cyst; case report. Bull. U. S. Army M. Dep., 1943, No. 71, 63–5.—**Esteban Cambiaggi, J.** Quistes paradentarios. Rev. san. mil., B. Air., 1945, **44**: 728–32.—**Machicote, A. J., & D'Ovidio, E. C.** Quiste paradentario. Rev. san. mil. argent., 1949, **48**: 81–4.—**O'Grady, G. L.** Conservative treatment of large dental cysts. Med. Bull. Europ. Command, 1949, **6**: No. 3, 1–3.—**Stolan, D. C., & Poenaru, D.** [Case of dental cyst] Rev. san. mil., Bucur., 1933, **32**: 8–11.—**Yando, A. H., & Schlack, C. A.** Oral cysts of dental origin. U. S. Nav. M. Bull., 1941, **39**: 22–6, 3 pl.

——— Disease.

See also **Dental health, Defects; Jaw; Mouth; Paradentosis; Stomatology.**

Azzi, G. Le fistole d'origine dentale. Gior. med. mil., 1926, **74**: 511–21.—**Bee, A. G.** Tristan da Cunha: visit of H. M. S. Carlisle, January, 1932. J. R. Nav. M. Serv., 1932, **18**: 173–87.—**Bradley, J. L.** Alveolar resorption due to occupational trauma; report of a case. U. S. Nav. M. Bull., 1946, **46**: 112.—**Dental** diseases in World War II. Statist. Navy M., 1947, **3**: No. 10, 2.—**Fontana, J. B.** Acute dental conditions. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: 24–7. Also Mil. Surgeon, 1948, **102**: 123–6.—**Machicote, A. J.** Las enfer-

medades dentarias en los indigenas de América. Rev. san. mil., B. Air., 1940, **39**: 850–2.—**Stuck.** Extent of tooth diseases in the armed forces and their inference for the dental service. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 395; Disc., 401.

—— Disease: Treatment.

Cambiaggi, J. E. Accidentes causados en el curso de los tratamientos de los conductos radiculares. Rev. san. mil., B. Air., 1944, **43**: 209–12.—**Control** of dental infection. Bull. U. S. Army M. Dep., 1943, No. 69, 33.—**Elburn, M. K.** The use of penicillin in dental infections. U. S. Nav. M. Bull., 1948, **48**: 120–2.—**Emery, C. A.** Pulp canal therapy and apicoectomy. Bull. U. S. Army M. Dep., 1947, **7**: 1042–6.—**Gonzalez, F. I., jr, & Lazarus, C. H.** Apicoectomy in war dentistry. U. S. Nav. M. Bull., 1944, **42**: 894–6.—**Gullett, W. I.** Root amputation. Ibid., 1945, **44**: 579–81.—**Harvey, H. E.** A mathematical root canal gauge. Ibid., 1925, **22**: 401–8, pl.—**Lancaster, W. M.** A technique for root canal therapy and root resection as an aid to the problems of a dental officer afloat. Ibid., 1947, **47**: 249–52.—**Leifer, R. N.** Penicillin in treatment of unmanageable root canals. Mil. Surgeon, 1948, **103**: 52.—**Moore, C. M.** A modified apicoectomy technic; indications and application in the field. U. S. Nav. M. Bull., 1944, **43**: 729–36.—**Pusso Carrasco, H.** Contribución al estudio de los dientes incluidos en el maxilar superior; caso de un canino incluido en el paladar que provoca una serie de trastornos. Rev. san. mil., B. Air., 1944, **43**: 1021–31.—**Shapiro, S. S., & Master, E. B.** A technique for apicoectomy with immediate root filling. Mil. Surgeon, 1943, **93**: 368–72.—**Smith, J. L., & Stevens, F. W.** The use of sulfanilamide in the surgical treatment of periapically infected anterior teeth. Ibid., 1944, **95**: 470–4.—**Szmyd, L.** Prophylactic odontotomy. U. S. Armed Forces M. J., 1950, **1**: 107–14.—**Wigand, F. T.** A technique for alveolectomy. U. S. Nav. M. Bull., 1948, **48**: 847–53.

—— Injury.

See also **Jaw,** Injury; **Surgical technic,** maxillofacial.

Glucksman, D. D., & Freld, M. G. Hypertraumatism relieved by acrylic appliance. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 57–9.—**Hüsnü** [Operative treatment of a cutaneous fistula caused by fracture of the second inferior left molar] Askerî sıhhiye mecmuası, 1936, **65**: 125–7.—**Shames, N. A.** Treatment of anterior fractured teeth. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 3, 59.—**Zbarž, J. M.** Ognestrelnye povreždenija zubov i alveolarnykh otrostkov. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950, **6**: 124–8.

—— Malocclusion.

See also **Orthodontics.**

Evans, P. O. Disfiguring malocclusion; correction by cosmetic prosthesis. U. S. Armed Forces M. J., 1950, **1**: 309, illust.—**Goldring, W. J.** Simple management of open bite; report of a case. U. S. Nav. M. Bull., 1946, **46**: 113–6.—**Smith, E. S.** Jaw relationship records; vertical dimension and centric. Bull. U. S. Army M. Dep., 1946, **5**: 70–2.—**Tollinger, A. C.** A case of malposition. U. S. Nav. M. Bull., 1920, **14**: 271.

—— pulpless.

Cassity, J. P. The pulpless tooth. U. S. Veterans Bur. M. Bull., 1927, **3**: 598–602.—**Delaney, H. R.** The pulpless tooth; a local and a constitutional problem. U. S. Nav. M. Bull., 1933, **31**: 144–9.—**Shipley, N. B.** Root canal fillings in infected pulpless teeth; preliminary report. Ibid., 1948, **48**: 868–70.

—— Radiography.

See also **Dentistry,** Radiology.

Harvey, W. Scheme for mass dental radiography of R. A. F. air crews on entry by bite-wing X-rays. 4 l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 638, Gr. Britain Flying Pers. Res. Com.

Dunning, J. M., & Ferguson, G. W. Effect of bite-wing roentgenograms on Navy dental examination findings. U. S. Nav. M. Bull., 1946, **46**: 83–9.—**Vera, V. M., & Vera, J. R.** Interpretación radiográfica en odontología. Rev. san. mil., Asunción, 1940–41, **14**: 221; passim.

—— Replantation.

Alexander, R. H. Replantation of teeth. U. S. Nav. M. Bull., 1945, **45**: 126–34.—**Gagliardi, E.** Evolución de una reimplantación dentaria. Rev. san. mil. argent., 1948, **47**: 291.—**Ostaszewski, W.** [Reimplantation of teeth] Lek. wojsk., 1929, **14**: 378–84.—**Turner, P. S.** Replantation of teeth. J. R. Nav. M. Serv., 1948, **34**: 169–71.

—— Tumor.

Bailey, F. J. Odontoma. U. S. Veterans Bur. M. Bull., 1926, **2**: 1072, pl.—**Bernier, J. L.** Follicular odontomata. Mil. Surgeon, 1940, 87: 45–50.—**Fallon, P. O.** Removal of odontoma composite with two completely impacted central incisors. U. S. Veterans Bur. M. Bull., 1928, **4**: 945, pl.—**Giermann, C. A., & Matlock, J. F.** Odontoma associated with impacted cuspid and retained deciduous cuspid; report of a case. U. S. Nav. M. Bull., 1945, **44**: 827–9.—**Taylor, R. W., & Huebsch, R. F.** Surgical removal of an odontoma and impacted anterior teeth; report of a case. Ibid., 1948, **48**: 116–8.

TOOTHACHE.

See also **Dentistry,** Aviation dentistry.

Harvey, W. Tooth temperature with reference to dental pain while flying. 14 l. 17½cm. Lond., 1942.

Forms F. P. R. C. No. 502, Gr. Brit. Flying Pers. Res. Com.

Hutchins, H. C., Werner, A. Y. [et al.] A study of aerodontalgia occurring during routine oxygen indoctrination in the low pressure chamber with a view to evolving a theory regarding its cause. 39 l. 27cm. Camp Lejeune, 1945.

Forms Res. Proj. X–587, U. S. Nav. M. Field Res. Laborat.

Pigott, J. P. Dental pain at high altitudes; origin and treatment. 7 l. 28cm. N. Haven, 1944.

Forms No. 38, Rep. Yale Aeromed. Res. Unit.

Also forms No. 383, Rep. Com. Aviat. M. Nat. Res. Counc., Wash.

Bercher, J. H. Sémiologie et traitement d'attente des douleurs dentaires et péridentaires. Arch. méd. pharm. mil., 1926, **84**: 57–74.—**Effect** of pressure changes on the teeth. Bumed News Lett., Wash., 1945, **6**: 14–6.—**Joseph, T. V., Gell, C. F.** [et al.] Toothache and the aviator; a study of tooth pain provoked by simulated high altitude runs in a low pressure chamber. U. S. Nav. M. Bull., 1943, **41**: 643–6.—**Mitchell, D. F.** Aerodontalgia. Bull. U. S. Army M. Dep., 1944, No. 73, 62–7.—**Sandler, H. C.** Toothaches at low atmospheric pressures. Mil. Surgeon, 1945, **97**: 475–7.—**Weiner, L.** Aerodontalgia among flying personnel. Air Surgeon Bull., 1944, **1**: No. 12, 4. ——— & **Horn, E. C.** Etiology of aerodontalgia. Ibid., 1945, **2**: 156.

TOOTH caries.

See also **Tooth,** Disease.

Schlack, C. A., Howell, S. R., & Taylor, B. L. A procedure for preparing and examining rats' teeth for dental caries. 18p. 26½cm. Bethesda, 1947.

Forms Rep. No. 5, Res. Proj. X–418, U. S. Nav. M. Res. Inst.

Schlimm, F. *Zahnkaries bei Kriegsteilnehmern und ihre Beurteilung [Heidelberg] 20p. 8° Säckingen, 1927.

Andrieu. Carie profonde de la 2e grosse molaire gauche: phlegmon septique sus-hyoïdien, abcès de la loge carotidienne consécutifs. Arch. méd. pharm. mil., 1910, **55**: 28–32.—**Dental** caries. Res. Program U. S. Army M. Res. Bd, 1946, July, 129; passim; 1947, Apr., 85; passim.—**Hamburg, M.** The histopathological picture of dental caries. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 5, 57–9.—**Jelesijević, M.** Nekolika poglede na kvarne zube. Voj. san. glasnik, 1931, **2**: 633.—**Link, K. H.** Truppenärztliche Erfahrungen bei Zahnfäule. Münch. med. Wschr., 1941, **88**: 1059–64.—**Research** on dental caries. Bull. U. S. Army M. Dep., 1946, **5**: 265–7.

—— Classification.

Le Bourhis. Localisation de la carie dentaire dans les bouches des recrues celtes de la région bretonne du 2. contingent 1936. Rev. stomat., Par., 1938, **40**: 721–36.—**Peñalva Torino, T. D. de.** El tratamiento de las caries de tercer grado en dos sesiones. Rev. san. mil., B. Air., 1945, **44**: 269–71.—**Ulen, F. G.** Importance of accuracy in recording of first dental examination; report of unusual case of identification. U. S. Nav. M. Bull., 1946, **46**: 275–7.

—— Etiology.

Gortner, R. A., jr, Restarski, J. S. [et al.] Comparison of the effects of different acid beverages on the teeth of white rats and hamsters. 18p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2, Res. Proj. X–418, U. S. Nav. M. Res. Inst.

McCay, C. M., Restarski, J. S., & Gortner, R. A., jr. The effect of ingestion of acid beverages upon the teeth of rats and puppies. 12p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1 of preceding research project.

Schlack, C. A., Howell, S. R. [et al.] The role of oxalates in rat dental caries. 15p. 26½cm. Bethesda, 1947.

Forms Rep. No. 6 of preceding research project.

—— The role of oxalates on the incidence and extent of dental caries in the cotton rat Sigmodon hispidus hispidus. 8p. 26½cm. Bethesda, 1947.

Forms Rep. No. 7 of preceding research project.

Schlack, C. A., Taylor, B. L. [et al.] The effects of standard diets and some concomitant variables on the incidence of dental caries in white rats. 15p. 26½cm. Bethesda, 1949.

Forms Rep. No. 9, Proj. NM 008 002 (or, X–418) U. S. Nav. M. Res. Inst.

Berry. Role of proteolytic microorganisms in dental caries. Res. Program U. S. Army M. Res. Bd, 1947, July, 92.—**Blayney, J. R.** Use of germ-free animals in the study of dental caries. Q. Project Summary Off. Nav. Res., 1948, July, 429.—**Caballol de Vera, F., Fuentes Aguilera, M. A., & Monte Marrero, A.** Alimentación y caries dentarias. Rev. san. mil., Habana, 1943, **7**: 191–6.—**Comparison** of the effects of different acid beverages on the teeth of white rats and hamsters. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 23.—**Cultural** analysis of oral flora in carious and non-carious patients. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 172–8.—**Effect** (The) of ingestion of acid beverages upon the teeth of rats and puppies. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 34.—**Further** studies on in vivo tooth decalcification by acid beverages. Ibid., 1946, Jan.–June 17.—**Green, G. H.** The role of carbohydrates in dental caries. U. S. Nav. M. Bull., 1949, **49**: 920–33.—**Harvey, H. E.** Nutrition in relation to dental disease. Bull. U. S. Nav. M., 1934, **32**: 318–22.—**Hess, W. C., & Everitt, E.** Vitamin C in gingivitis and amylolytic activity of saliva and dental caries. Q. Project Summary Off. Nav. Res., 1948, July, 427.—**Hirscher, H.** Ueber die Ursachen der Zahncaries. Deut. Militärarzt, 1939, **4**: 306–11.—**Holmes, J. O.** Dietary protein and dental caries. Q. Project Summary Off. Nav. Res., 1948, July, 428.—**Ilnicki, T.** [Bacteria of dental caries] Lek. wojsk., 1926, **8**: 337–43.—**Jones, M. R.** The soldier's mess in relation to dental caries. J. Dent. Res., 1943, **22**: 224. —— & **Crosland, G. N.** A study of the diet in relation to dental caries activity in 212 enlisted men at the Pearl Harbor submarine base, Hawaii. U. S. Nav. M. Bull., 1936, **34**: 181–99.—**Knowles, E. M.** A comparison of the effects of enemy occupation and post war conditions on the dental condition of children in the Channel Islands. Bull. Féd. dent. internat., Brux., 1949, 121–4.—**Lakner, L.** Rola odżywiania w etiologii próchnicy zębów. Lek. wojsk., 1945, **36**: 233–42.—**McCay, C. M.** Dietary and other factors concerned in mouth and tooth deterioration. Q. Project Summary Off. Nav. Res., 1948, July, 425. —— Hard facts about soft drinks. Research Rev. (U. S. Navy) 1948, Sep., 1–4.—**Newman, W. A.** Dental observations of native Puerto Ricans with special reference to their habits of citrus fruit consumption. U. S. Nav. M. Bull., 1948, **48**: 698.—**Oliver, D. H.** Some evidence of a wartime reduction of the caries incidence in children. Brit. Dent. J., 1946, **80**: 115–8.—**Salivary** alkali and dental caries. Month. Health Rep. Mil. Distr. Washington, 1949, **2**: No. 4, 11.—**Schlack, C. A., Howell, S. R.** [et al.] The role of oxalates in rat dental caries. Sympos. Mil. Physiol., Wash., 1947, 193–8.—**Sognnaes, R. F.** Further analysis of wartime caries observations. Brit. Dent. J., 1949, **87**: 291–4.—**Zahnkaries** und Kriegsernährung. Praxis, Bern, 1943, **32**: 478.—**Ziskin, D. E.** Nutrition and dental supporting structures. Q. Project Summary Off. Nav. Res., 1948, July, 426.

—— Incidence.

Klingele, B. *Zustand und Behandlung der Zähne bei den Schweizer Rekruten in den Jahren 1925–34 [Basel] 74p. 22½cm. Zür., 1944.

Also: Schweiz. Mschr. Zahnh., 1944, **54**: No. 10.

Alonsa, L. La caries dentaria en Menorca. Rev. san. mil., Madr., 1920, 3. ser., **10**: 748.—**Brown, O. F., & McMinn, R. S.** The dental condition of West Indian recruits. Brit. Dent. J., 1946, **80**: 55.—**Buhs, A.** Geringere Kariesanfälligkeit während des Krieges. Deut. zahnärztl. Wschr., 1944, **47**: 246–9.—**Dental** status of 71,015 naval personnel examined in 1942; number of dental defects per person with regional and age variations. Summaries Res. U. S. Nav. M. Res. Inst., 1946, Jan.–June, 4.—**Dental** status of 71,015 naval personnel at first examination in 1942; age and regional distribution of persons with specific type dental defects. Ibid., 3.—**Hyde, R. W.** Socioeconomic aspects of dental caries; a community and individual study of dental caries in selectees. N. England J. M., 1944, **230**: 506–10.—**Knowles, E. M.** A survey of the dental condition of children in day and residential wartime nurseries. Brit. Dent. J., 1948, **84**: 119–25. Also Bull. Féd. dent. internat., Brux., 1949, 117–21.—**Mitchell, S. M., & Bernstein, B. H.** Results of dental examination of 15,000 Philippine Scouts, November 1948 to April 1949. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 7, 9.—**O'Malley, C.** Dental caries in Europe during the war. Bull. Féd. dent. internat., Brux., 1949, 112–6.—**Restarski, J. S.** Incidence of dental caries among pure-blooded Samoans. U. S. Nav. M. Bull., 1943, **41**: 1713.—**Roos, A.** The incidence of dental caries in Switzerland; a comparison between war and pre-war years. Bull. Féd. dent. internat., Brux., 1949, 137–42.—**Schlack, C. A.** Dental caries; prevalence experience at initial examination and the incidence of new carious lesions after one-year interval in 1,047 officers and enlisted men of the United States Navy. U. S. Nav. M. Bull., 1940, **38**: 90–5. —— Rate of increase of dental caries in 707 officers and men aboard an American man of war. J. Dent. Res., 1941, **20**: 477–81. —— **Restarski, J. S., & Dochterman, E. F.** Dental status of 71,015 naval personnel at first examination in 1942. J. Am. Dent. Ass., 1946, **33**: 1141–6. —— Dental status of 71,015 naval personnel at first examination in 1942; age and regional distribution of persons with specific type dental defects. J. Dent. Res., 1946, **25**: 107–19.—**Schour, I., & Massler, M.** La carie dentale in Italia dopo la guerra, 1945 (transl.)—Odontoiatría, Tor., 1949, **16**: 89–93.—**Senn, W. W.** Incidence of dental caries among aviation cadets. Mil. Surgeon, 1943, **93**: 461–4.—**Shane, R. S.** Dental defects and the draftees. Iowa Dent. Bull., 1941, **27**: 75.—**Sognnaes, R. F.** Analysis of wartime reduction of dental caries in European children; with special regard to observations in Norway. Am. J. Dis. Child., 1948, **75**: 792–821.—**Toverud, G.** Decrease in caries frequency in Norwegian children during World War II. J. Am. Dent. Ass., 1949, **39**: 128–36. —— Dental caries in Norwegian children during and after the last World War; a preliminary report. Proc. R. Soc. M., Lond., 1949, **42**: 249–58.—**Wartime** dental caries incidence. Nutrit. Rev., 1946, **4**: 142.—**Watry.** War and dental caries in Europe. Bull. Féd. dent. internat., Brux., 1949, 125–8.—**Yano, T., & Kazituka, R.** Sōtei nenrei ni okeru usi bunpu narabi-ni tisi hassei no zyōkyō; hu, siga hassei izyō ni tuite [Ueber die Verbreitung der Zahnkaries und den Durchbruch der Weisheitszähne im stellungspflichtigen Alter mit Hinblick auf die Durchbruchanomalien der Zähne] Gun idan zassi, 1919, 45–67.

—— Prevention.

Harvey, W., & Morant, G. M. First report on a dental survey of R. A. F. boy apprentices to assess the effect of fluorine on dental caries. 11p. 33cm. Lond., 1945.

Forms F. P. R. C. No. 669, Gr. Britain Flying Pers. Res. Com.

Arnold, F. A., jr, Dean, H. T., & Singleton, D. E., jr. The effect on caries incidence of a single topical application of a fluoride solution to the teeth of young adult males of a military population. J. Dent. Res., 1944, **23**: 155–62.—**Bocalandro, C. A., & Vivanco Furst, H.** La profilaxis de la caries dentaria y el indice de ineptitud para el servicio militar. Rev. san. mil., B. Air., 1941, **40**: 154; 216.—**Deatherage, C. F.** Fluoride domestic waters and dental caries; experience in 2026 white Illinois selective service men. J. Dent. Res., 1943, **22**: 129–37.—**Kinkel, F., Klughardt, A.** [et al.] The prevention of dental caries in Germany. CIOS Rep., Lond., 1945, Item 24, No. XXVI–23, 22–5.—**Ramsey, H. E., & Lewis, C. H.** Clinical results of non-staining impregnation for caries, prophylaxis and desensitization. Surgeon Circ. M. Sect. Far East Command, 1949, **4**: No. 6, 17.—**Topically** applied fluorides. Month. Health Rep. Mil. Distr. Washington, 1948, **1**: No. 5, 12.—**Vivanco Furst, H.** La profilaxis de la caries dentaria y el índice de ineptitud para el servicio militar. Rev. Circ. odont. Rosario, 1941, **13**: 78–93. Also Rev. odont., B. Air., 1941, **29**: 143–60.

TOOTH extraction.

See also **Dentistry**, Methods; **Infection**, focal.

Alexander, A. D. New atraumatic exodontia instrument. U. S. Nav. M. Bull., 1945, **45**: 555.—**Averbukh, S. S.** [Technic in extraction of the wisdom teeth of the lower jaw] Voen. med. J., Moskva, 1930, **1**: 59–63.—**Boddington, G. D. M., & Symlski, P. T.** Pentothal sodium anaesthesia for multiple tooth extraction. J. Canad. M. Serv., 1944–45, **2**: 576–8.—**Ersanlı, S.** Diş çekiminden hasıl olan yaraların tedavisinde yenilik. Askerî sihhiye mecmuası, 1947, **76**: 70–2.—**Griffith, C. A.** Extraction of teeth. U. S. Nav. M. Bull., 1919, Suppl. No. 9, 63–8, 2 pl.—**Pusso Carrasco, H.** La exodoncia desde el punto de vista quirúrgico. Rev. san. mil., B. Air., 1946, **45**: 1005–8.—**Reed, S. H.** The open operation for the extraction of teeth. U. S. Nav. M. Bull., 1923, **19**: 671–5.—**Schmidt, M. A.** La toilette de las heridas en exodoncia. Rev. san. mil. argent., 1949, **48**: 85–90.—**Snoddy, W. H.** Intra-septal alveolotomy. Med. Bull. Veterans Admin., 1944–45, **21**: 217.

—— Complication.

Apffelstaedt, O. Ueber Komplikationen bei und nach Zahnextraktionen. Deut. Militärarzt, 1939, **4**: 19–22.—**Henry, C. E.** Death following extraction of teeth; report of case.

U. S. Nav. M. Bull., 1928, **26**: 646.—**Hillier, C. R.** The control of secondary hemorrhage following the extraction of teeth. U. S. Veterans Bur. M. Bull., 1929, **5**: 364–6.—**Lazansky, J. P.** Bacteriemias resulting from tooth extraction. Q. Project Summary Off. Nav. Res., 1948, July, 430.—**Link, K. H.** Beitrag zur Entstehung und Klinik akut-entzündlicher Kieferprozesse nach Wurzelbruch bei Zahnextraktion. Deut. Militärarzt, 1942, **7**: 254–7.—**Lourenço Jorge, A.** Exodontia e suas complicações. Arq. brasil. med. nav., 1943, **4**: 265–75.—**Warden, C. E.** A case of gas gangrene of neck following extractions. U. S. Nav. M. Bull., 1947, **47**: 521–3.—**Welborn, J. F.** Perforating palatal erosion with massive hemorrhage following tooth extraction. Surgeon Circ. M. Sect. Far East Command, 1950, **5**: No. 3, 14.

TORPEDO boat.

See also **Destroyer; Submarine.**

Krupin, A. S. [Sanitation problems on torpedo boats] Tr. Voen. morsk. med. akad., 1941, **1**: 83–103.—**Shaposhnikov, A. A.** Meroprijatija po umen§enija boevykh poterj li¢nogo sostava torpednykh katerov. Voen. med. J., Moskva, 1947, No. 5, 35–42.—**Tutomi, T., Oriuti, H., & Takemura, T.** Suiraitei Tomozuru seizon-sya no tairyoku ni kan-suru kōsatu [Examination of the physical conditions of the survivors of the mishap to the torpedo boat, Tomozuru] Kaigun gun-ikai zassi, 1936, **25**: 670–84.

TORPEDO explosion.

See **Fracture**—by site: Foot.

TORSION ballistocardiograph.

See under **Electrocardiography.**

TORTICOLLIS.

Schön, W. *Ueber den Torticollis spasticus, besonders im Gefolge von Encephalitis epidemica unter Berücksichtigung der Kriegsdienstbeschädigungsfrage [Freiburg] 23p. 8° Libau, 1932.

Amdur, M. K. Torticollis and neurosyphilis. Med. Bull. Veterans Admin., 1940–41, **17**: 293–9.—**King, B. B.** Hysterical wry-neck of soldiers. Mil. Surgeon, 1945, **97**: 59.—**Protasevich, A. V.** [New data on the etiology and pathogenesis of muscular torticollis] Tr. Acad. mil. méd. Kiroff, 1934, **1**: 169–86.

TORULOSIS.

Hagen, W. S. Torula histolytica meningoencephalitis, report of a case; spinal fluid studies and autopsy report. Mil. Surgeon, 1944, **94**: 29–35.

TOTAL body irradiation.

See **Radiation injury.**

TOTALITARIANISM.

See under **Militarism.**

TOURNIQUET.

See also under **Shock**; also **Surgical technic,** Hemostasis.

Effects of continuous and of intermittent application of a tourniquet to traumatized extremity. Bumed News Lett., Wash., 1944, **4**: No. 6, 10.—**Gorbenko, M.** [Application of tourniquet in wounds of the fore-arm and leg] Voen. san. delo, 1937, No. 6, 64–8.—**Hall, P. A., & Morley, G. H.** Tourniquets and their application. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 273–9. Also 2. ed., Balt., 1942, **1**: 185–92.—**Hammel, H.** Eine Notabschnürbinde zur Verhütung der Nachblutungsgefahren bei Extremitätenverletzungen in ruhigstellenden Gipsverbänden. Deut. Militärarzt, 1944, **9**: 290–3.—**Hooker, D. H.** Air-pressure tourniquet for the thigh. Bull. U. S. Army M. Dep., 1944, No. 77, 116.—**Kirschner, M.** Die Bedeutung der Momburgschen Blutleere für die Kriegschirurgie. Chirurg, 1942, **14**: 74.—**Latowski.** Le remplacement de la bande hémostatique par la suture provisoire de la plaie. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 88.—**Lozinsky, L.** [Can a tourniquet be applied to the forearm or leg?] Voen. san. delo, 1935; 26.—**Orth, O.** Die Bedeutung der Momburgschen Blutleere für die Kriegschirurgie. Chirurg, 1941, **13**: 633–6.—**Requarth, W. H.** Tourniquets in surgery of the hand. Bumed News Lett., Wash., 1945, **5**: No. 2, 8.—**Rückert, W.** Weiterer Beitrag zur Bedeutung der Momburschen Blutleere in der Kriegschirurgie. Chirurg, 1942, **14**: 433.—**Silberman, I.** O krovoostanavlivajuśćem źgute. Voen. san. delo, 1935, No. 5, 23, illust.—**Teixeira, L. M.** O penso individual e o garrote. Bol. Dir. serv. saúde mil., 1942, **5**: 103–13.—**Tourniquets.** Hosp. Corps Q., 1943, **16**: No. 4, 101–3.—**Tourniquets** for extremity surgery. Bull. U. S. Army M. Dep., 1944, No. 77, 2.—**Witwer, R. G., & Leach, W. F.** A flying suit to aid in the control of hemorrhage. U. S. Nav. M. Bull., 1944, **43**: 366.—**Wolff, L. H., & Adkins, T. F.** Tourniquet problems in war injuries. Bull. U. S. Army M. Dep., 1945, No. 87, 77–84. Also Med. Bull. Medit. Theater U. S., 1945, **3**: 23–5.

TOXICODENDRON.

See also **Poison,** plant.

Novacovich, G. G. Observations and data on prevention of poison-oak dermatitis. U. S. Nav. M. Bull., 1946, **46**: 811–21.

TOXICOLOGY.

See also **Aircraft,** Hazards; **Chemical agent,** Toxicology; **Explosive,** Toxicity; **Gas poisoning,** Toxicology; **Mustard gas,** Toxicity; **Poison; Poisoning; Tear gas;** also names of toxic substances.

Hylander, C. J. A list of reprints of papers published in the open literature by members of medical division and its contractors; supplement 2. 9 l. 27cm. Army Chem. Center, 1949.

Forms Suppl. 2, Rep. No. 129, Med. Div. Chem. Corps U. S. Army.

Capparoni, P. La fobia degli avvelenamenti nel medioevo e nel rinascimento. Gior. med. mil., 1947, **94**: 97–104.—**Fernández Davila, G.** Apuntes de toxicología forense. Rev. san. mil., Lima, 1938, **11**: 60–83.—**Oettingen, W. F. v.** The aromatic amino and nitro compounds, their toxicity and potential dangers; a review of the literature. Bull. War M., Lond., 1942–43, **3**: 300 (Abstr.)—**Rice, J. C.** Industrial toxicology as related to the war effort. Tristate M. J., 1942–43, **15**: 2827–30.—**Sappington, C. O.** New problems in industrial toxicology in wartime. Bull. South Chicago M. Soc., 1942–43, **13**: No. 8, 10.

TOXOID.

See **Gas gangrene,** Prevention; **Tetanus toxoid;** also **Vaccination.**

TOXOPLASMOSIS.

Cross, J. B. Toxoplasmosis. Research Rev. (U. S. Navy) 1950, Feb., 6–9, illust.

TRACER.

See **Radioactivity; Radioisotope.**

TRACER technic.

See under **Atomic energy,** Medical aspects.

TRACHEA.

See also **Larynx; Respiratory system.**

Fernández Burzaco, C., & Troiano, J. V. Adenopatia traqueobrónquica en el adulto. Rev. san. mil., B. Air., 1936, **35**: 116–26.—**Goursolas, P.** Papillome limité de la région sous-glottique. Bull. Soc. méd. mil. fr., 1914, **8**: 64–6.—**Kahlstrom, S. C.** Tracheaectasis. Med. Bull. Veterans Admin., 1941–42, **18**: 218.—**Knight, R. T.** The long-cuff endotracheal tube; its manufacture and use. U. S. Armed Forces M. J., 1950, **1**: 58–64, illust.—**MacQuigg, D. E.** Improvised endotracheal suction outlet. Bull. U. S. Army M. Dep., 1949, **9**: 259.—**Monloup & Bousquet.** Un cas de laxité de la trachée, d'origine indéterminée. Bull. Soc. méd. mil. fr., 1937, **31**: 585.—**Trachéo-bronchite** (La) infectieuse du cheval. Rev. vét. mil., Par., 1936, **20**: 203–18.

—— Injury.

Knight, J. S. Injuries to the trachea and the esophagus incurred in combat. Ann. Otol. Rhinol., 1946, **55**: 656–66.—**Negus, V. E.** Wounds of the trachea. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **2**: 814–7.

TRACHEOTOMY.

Lovelace, W. R., II. Oxygen mask for tracheotomy patients. 6 l. 27cm. Dayton, 1945.

Forms No. TSEAL–3–697–2III, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Doroshenko, I. [Gas masks for tracheotomized patients] Voen. san. delo, 1937, No. 8, 25.—**Hardy, G.** Care of the tracheotomized patient. U. S. Nav. M. Bull., 1944, **42**: 409–11.—**Kutuna, M., & Tomita, S.** Hutatabi kikan-sekkai-go no kikan-rin nankotu ni tuite [On the tracheal cartilages after a second tracheotomy] Gun idan zassi, 1929, 673–82, pl.—**Symwulid.** Vier Fälle von Tracheotomie wegen Croup. S. Petersb. med. Zschr., 1863, **5**: 61–4.

TRACHOMA.

Caccamise, W. C. A discussion of trachoma. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 11, 17–9.—**Cole, O. W.** A review of trachoma. U. S. Nav. M. Bull., 1937, **35:** 322–7.—**Gleitsmann, H.** Trachom. In: Kriegssan. Ber. Deut. Marine (1914–18) Berl., 1935, **3:** 429–50.—**Kolen, A.** Trakhoma. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 524–30.—**Neştianu, S.** Conjunctivita granuloasă şi catarul primăvăratec; consideraţiuni medico-militare. Rev. san. mil., Bucur., 1936, **35:** 388–92.—**Pichler, A.** Die Ophthalmia militaris in der k. u. k. Armee. Wien. med. Wschr., 1918, **68:** 26; 98.—**Rohrschneider, W.** Trachom. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 34–6. Also in Wehrhygiene (Handloser, S.) Berl., 1944, 99–101. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 35.—**Thygeson, P.** Trachoma. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1:** 1036; 1948, **2:** 878.—**Zachert, M.** [Trachoma and the defense of the country] Lek. wojsk., 1936, **28:** 780-9.

—— Clinical aspect.

Bellecci, P. Sul comportamento della soglia elettrolitica e della colesterina nel sangue dei tracomatosi. Ann. med. nav., Roma, 1940, **46:** 322–8.—**Millet, A. H.** La poussée aiguë de trachome. Arch. méd. pharm. mil., 1925, **83:** 540–2. ——— Trachome et végétations adénoïdes. Ibid., 543–8.—**Pavicevich, N.** [Effect of intercurrent erysipelas on trachoma] Voj. san. glasnik, 1935, **6:** 581–4.—**Saba, V.** Contributo anatomo-clinico ad una rara forma di atipica evoluzione nel tracoma congiuntivale. Ann. ottalm., 1928, **56:** 45–66, 2pl.

—— Control.

Bushmich, D. G. [Organizational forms for mass measures of trachoma control in recruits] Vest. oft., 1943, **22:** No. 6, 23–32.—**Cvetojević, N. M.** [Organization of control of trachoma; rôle of the army] Voj. san. glasnik, 1940, **11:** 277–95.—**Dinulescu, V.** Câteva consideraţiuni şi propuneri asupra profilaxiei trahomului. Rev. san. mil., Bucur., 1936, **35:** 375–80. ——— La lutte anti-trachomateuse dans l'Armée roumaine. Ibid., 1937, **36:** 532–8.—**Dodieau, L. J. B. R.** La lutte contre le trachome en Algérie. Arch. méd. pharm. mil., 1923, **78:** 410–8.—**Fomchenko, G., & Chutko, M.** [Control, isolation and hospitalization of Red Army soldiers affected with trachoma] Voen. med. J., Moskva, 1931, **2:** 495–9.—**Koláčný, J.** [Solving the trachoma problem from the military medical standpoint] Voj. zdrav. listy, 1928, **4:** 106–14.—**Muzaffer, I.** [The problem of trachoma] Askerî sıhhiye mecmuası, 1932, **61:** No. 4, 38–49.—**Papiu, A.** [Prevention of trachoma in the Rumanian army] Rev. san. mil., Bucur., 1930, **29:** 434–7.—**Rostowski, L.** [Report on the work in controlling trachoma] Lek. wojsk., 1938, **31:** 204–15.—**Tarducci, M.** La vaccinazione locale in alcune forme congiuntivali acute e croniche in Cirenaica. Gior. med. mil., 1941, **89:** 767–74.—**Weskamp, R. L.** Etiología y profilaxis del tracoma. Rev. san. mil., B. Air., 1941, **40:** 358; 438.

—— Diagnosis.

Bellecci, P. La reazione di Weil Felix nei Libici tracomatosi. Ann. med. nav., Roma, 1940, **46:** 26–33.—**Belot, R.** Etude critique de l'intra-dermoréaction trachomateuse de Tricoire, basée sur 500 cas. Arch. méd. pharm. nav., 1931, **121:** 19–22.—**Canis, J.** Les signes cornéens limbiques du trachome. Ibid., 1928, **88:** 153–6.—**Costinescu, G., & Halunga, V.** Consideraţiuni asupra diagnosticului şi tratamentului trahomului. Rev. san. mil., Bucur., 1936, **35:** 409–18.—**Gonçalves, P.** O tracoma e seu diagnostico clinico. Rev. med. mil., Rio, 1937, **26:** 16–26.—**Iribarren, L. A.** ¿Cómo reconocer los enfermos de tracoma? Rev. san. mil., B. Air., 1936, **35:** 505–13.—**Kaláčný, J.** [Pseudotrachoma] Voj. zdrav. listy, 1925, **1:** 136–8.—**Koldovský, K.** Trachom; diagnostický a therapeutický problém ze zřetelem k novým sovětským pracím. Ibid., 1948, **17:** 139–44.—**Thygeson, P.** The diagnosis and treatment of trachoma; a report of 19 cases in military personnel. Mil. Surgeon, 1945, **97:** 355–61.—**Weddigen, G.** Beitrag zur Differentialdiagnose des Trachoms. Deut. Militärarzt, 1942, **7:** 605–7.

—— Disability.

Alcalá López, A. Tracoma y servicio militar. Arch. Soc. oft. hisp. amer., 1949, **9:** 1102–16.—**Andrade, C. de.** O trachoma e o serviço militar. Rev. med. hyg. mil., Rio, 1923, **9:** 284–7.—**Arriaga Cantullera, J.** El problema del tracoma en el ejército. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6:** 761–6.—**Aznárez, J.** El tracoma en el ejército; un gran error. Ejército, 1944, No. 57, 55–8.—**Balmori Diaz-Agero, H.** El tracoma en el ejército. Med. & cir. guerra, 1946, **8:** No. 14, 38–43.—**Csirkovszkij.** Trachoma és a hadsereg; trahoma i ármijá. Honvédorvos, 1950, **2:** 107.—**Koldovský, K.** [Fitness of men afflicted with trachoma for the military service] Voj. zdrav. listy, 1928, **4:** 115–8.—**Mallol de la Riva, F.** El tracoma no debe ser causa de inutilidad en el Ejército. Rev. san. mil., Madr., 1924, 3. ser., **14:** 453–7.—**Mallóu Vicario, A.** El tracoma, causa de inutilidad en el ejército. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2:** 234.

—— Etiology.

Canis, J. La contagion trachomateuse chez l'adulte. Bull. Soc. méd. mil. fr., 1938, **32:** 261–5.—**Duguet, J.** La contagion du trachome chez l'adulte; Rickettsia et trachome. Ibid., 400–2.—**Hunt, D.** Samoan conjunctivitis; a study of the causative organism. U. S. Nav. M. Bull., 1923, **19:** 410–3.—**Paraipan, C.** Consideraţiuni asupra etiologiei trahomului. Rev. san. mil., Bucur., 1936, **35:** 419–22.—**Salâhattin Balaban** [Social trachoma] Askerî sıhhiye mecmuası, 1939, **68:** No. 28, 36–47.—**Sava-Goiu, G.** Câteva reflexiuni asupra contagiozităţii trahomului. Rev. san. mil., Bucur., 1936, **35:** 373–5.

—— Incidence.

Agnello, F. Esite il tracoma acuto? importanza delle congiuntiviti epidemiche nello sviluppo e nella diffusione del tracoma in A. O. I. Gior. med. mil., 1941, **89:** 254–78.—**Belot, R.** Le trachome dans la marine militaire en Afrique du Nord. Rev. internat. trachome, 1930, **7:** 77–112.—**Cadéot, R.** L'unité trachomateuse des troupes de Tunisie. Ibid., 1936, **13:** 104–10.—**Chance, B.** Trachoma in the camps and hospitals of the Army; a brief survey of the subject from a military point of view. Tr. Am. Ophth. Soc., 1919, **17:** 151–62.—**Dear, W. R.** Trachoma in Russia. Mil. Surgeon, 1926, **58:** 611–9, 2pl.—**Gurd, D. P.** An investigation into the incidence of trachoma in the Maltese Islands; its early diagnosis and mode of spread with special application to the Armed Forces. J. R. Nav. M. Serv., 1943, **29:** 171; 237.—**Marcinkus, J.** [Frequency of trachoma among recruits and its geographical spread] Medicina, Kaunas, 1936, **17:** 662–71.—**Meyerhof, M.** A short history of ophthalmia during the Egyptian campaigns of 1798–1807. Brit. J. Ophth., 1932, **16:** 129–52.—**Nicolle.** Acquisitions récentes d'ordre expérimental relatives à l'épidémiologie du trachome; applications prophylactiques en milieu scolaire. Bull. Soc. méd. mil. fr., 1938, **32:** 320–6.—**Vlach, A.** [Experiences with the trachomatous units in the field] Voj. zdrav. listy, 1927, **3:** 32–6.

—— Malingering.

Cvetojević, M. Trahom u vezi sa namernim izazivanjem zapalenja oka. Voj. san. glasnik, 1930, **1:** 105–10.

—— Treatment.

Angelucci, A. La cura del tracoma; osservazioni cliniche e statistiche. Ann. med. nav., Roma, 1929, **35:** pt 1, 65–7.—**Ballaban, T.** Ocena jaglicy, jej leczenie i zapobieganie ze stanowiska wojskowo-lekarskiego. Lek. wojsk., 1920, **1:** No. 4, 1–13.—**Barailhe, J. L. J. M.** Au sujet du traitement du trachome. Arch. méd. pharm. mil., 1924, **80:** 73.—**Barbieri, P.** Tratamiento rápido y eficaz del tracoma. Rev. san. mil., B. Air., 1942, **41:** 190.—**Barra, R. E. L., & Luc, R. H. L.** Résultes obtenus par la méthode du docteur Jacobsons dans le trachome. Arch. méd. pharm. mil., 1933, **98:** 164–9.—**Cvetojević, M.** [Treatment of trachomatous before recruiting] Voj. san. glasnik, 1935, **6:** 431–6.—**Foà, R.** Sui risultati della terapia del tracoma con l'olio di chaulmoogra. [Results of chaulmoogra oil treatment in 40 cases] Ann. med. nav., Roma, 1928, **34:** 289–306.—**Fuat, M.** Methylene treatment of trachoma. Askerî sıhhiye mecmuası, 1935, **64:** No. 11, 11–8.—**Green, J. S.** Tarsectomy with mucous membrane transplant in the treatment of trachoma. Med. Bull. Veterans Admin., 1943–44, **20:** 348.—**Hanke, V.** Die Albucidbehandlung des Trachoms. Deut. Militärarzt, 1941, **6:** 142–4.—**Heyden, G.** Erfolge der Trachomtherapie. Ibid., 1944, **9:** 135–7.—**Lacat.** La conjonctivite granuleuse et son traitement. Bull. Soc. méd. mil. fr., 1923, **17:** 234–42.—**Matei, S.** Tratamentul conjuctivitei granuloase cu oleu de chaulmoogra. Rev. san. mil., Bucur., 1928, **27:** 245–9.—**Neil, T. C. H.** A case of early trachoma treated with sulphamerazine. J. R. Nav. M. Serv., 1947, **33:** 39.—**Oberhoff, K.** Albucidbehandlung des Trachoms. Deut. Militärarzt, 1942, **7:** 548–53.—**Olle, R. G.** Contribución al tratamiento del tracoma por la sulfanilamida. Rev. san. mil., B. Air., 1940, **39:** 403–8.—**Pacalin, G.** Réflexions pratiques sur le traitement médical et chirurgical de la conjonctivite granuleuse. Arch. méd. pharm. mil., 1922, **77:** 453–75.—**Scardaccione, M.** Sulla nuova cura del tracoma per mezzo della para-amino-fenilsulfamide. Gior. med. mil., 1939, **87:** 1158–67.—**Stănescu, M.** [New method in the treatment of trachoma] Rev. san. mil., Bucur., 1929, **28:** 358–65.—**Tarducci, M.** Risultati dell'autoemoterapia nel tracoma in Libia orientale. Gior med. mil., 1941, **89:** 894–900, tab.—**Testa, U.** La cura del tracoma con sangue di negro. Ibid., 1931, **79:** 172–4.

TRACTION.

See **Fracture** subheadings (Apparatus; Treatment: Traction) also **Spine,** Injury: Cervical spine; **Surgical technic,** Amputation.

TRACTION clamp.

See with **Surgical instrument.**

TRACTION splint.

See with **Splint,** Types.

TRACTOR.

Gross, W. M. Amphibious tractors as medical facilities in the field. U. S. Nav. M. Bull., 1946, **46**: 285–8.—**Kimbrough, J. W.** Medical utilization of amphibious tractors. Ibid., 1945, **44**: 1074–6.

TRAILER.

See under **Vehicle.**

TRAILER ambulance.

See under **Ambulance,** motor.

TRAIN.

See also **Hospital train.**

Amsler. Einige Bemerkungen über den 47en Feldzug in militärisch-sanitärer Hinsicht. Vjschr. schweiz. Sanitätsoff., 1930, **7**: 42; 59.—**Pavlovsky, K. N.** K voprosu o razgruzke sanitarnykh poezdov. Voen. san. delo, 1940, No. 5, 52–61.—**Rondani, V.** Stazione di disinfezione e bagni su treno attrezzato. Riv. ingegn. san., 1917, **13**: 185–9.

TRAINING.

See also **Atmospheric chamber; Aviator; Chemical warfare,** Instruction; **Civilian defense; Convalescent; Dental officer;** Education; **Disabled,** School and training; **Emergency medical service; Hospital service,** educational; **Medical student,** Training program; **Munition worker; Naval surgeon,** Education; **Navigator; Night vision; Nurse; Parachute training; Physical training; Psychology,** clinical; **Radiology,** Instruction and training; **Replacement depot; Surgery,** Instruction.

Gagné, R. M., & Baker, K. E. Stimulus predifferentiation as a factor in transfer of training; human engineering synthesis of basic information. 20 l. 28cm. Port Washington, 1949.

Forms No. 316–1–7, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Gagné, R. M., Foster, H., & Crowley, M. E. The measurement of transfer of training. 59 l. 28cm. Port Washington, 1947.

Forms No. 316–1–1, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Richardson, Bellows, Henry & Company. Preliminary validation of the Instructors Evaluation Report; psychological studies of training techniques. 30 l. 28cm. Port Washington, 1949.

Forms No. 383–1–9, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Army and Navy training programs. J. Ass. Am. M. Coll., 1943, **18**: 197.—**Brooks, H.** The physical and mental advantages to be derived from a short period of military training in the United States. Med. Rev. of Rev., 1915, **21**: 594–7.—**Delachaux, A.** L'entraînement de base. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 105–8.—**Dreese, M.** College defense programs; college and government officials confer. Occupations, 1940–41, **19**: 550.—**English, H. B.** How psychology can facilitate military training, a concrete example. J. Appl. Psychol., 1942, **26**: 3–7.—**Fairbank, L. C.** Peace time training to meet mobilization needs. Mil. Surgeon, 1940, **86**: 539–43.—**Finch, H. A.** Some practical points on the training of troops. Mil. Engin., 1920, **12**: 241–4.—**Forlanc, G., & Watson, G.** Relation between success in military training and intelligence, extroversion, and adequacy. J. Social Psychol., 1937, **8**: 243–9.—**Gulick, L. H.** Association service in France. Phys. Training, 1917–18, **15**: 397–400.—**Hecker, A. O., Plesset, M. R., & Grana, P. C.** Psychiatric problems in military service during the training period. Am. J. Psychiat., 1942–43, **99**: 33–41.—**Howard, W. L.** Peace, dolls and pugnacity. Am. Med., 1917, n. ser., **12**: 184–7.—**Imprescindible** (La) intervención de la medicina y la sanidad en la preparación militar. Bol. Of. san. panamer., 1940, **19**: 1024–7.—**In-service** training. In: Malaria Control in War Areas, Atlanta, 1945–46, 33–6.—**Kennedy, T. F.** A report on the effect of the modern system of training on the recruit. J. R. Army M. Corps, 1931, **57**: 367–71.—**Linder, C. O.** Military training as a factor in public health. N. York M. J., 1918, **108**: 1017.—**Moses, A.** A missão pacifica dos exercitos. Rev. med. cir. mil., Rio, 1920, **6**: 271–82.—**Pfister, A. O.** Ejercicio de cuadros de Sección de zapadores destructores. Rev. mil., B. Air., 1942, **42**: pt 1, 505–14, 2 ch.—**Rate** (The) of training. Mil. Surgeon, 1919, **45**: 110–3.—**Rychner, R.** Un cas de surentraînement. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 115–8.—**Seidenfeld, M. A.** Training linguistically handicapped and mentally limited personnel in the military service. J. Educ. Psychol., 1943, **34**: 26–34. ——— Learning. In: Psychol. Armed Serv. (Boring, E. G.) Wash., 1945, 264–99.—**Thoma, K. H.** The specialized training program of the Army and Navy. Am. J. Orthodont., 1943, **29**: Oral Surg., 406.—**U. S.** (The) Armed Forces Institute; an invitation to counselors. Occupations, 1942–43, **21**: 515–8.—**Walker, C. L.** We train our armored force. Harpers Mag., 1943, June, 25–31.—**Wolfle, D.** Military training and the useful parts of learning theory. J. Consult. Psychol., 1946, **10**: 73–5.

—— Accidents, injuries, and sickness.

Bristow, W. R. Injuries in training. J. Bone Surg., 1943, **25**: 532–4.—**Fingerhuth, M.** Grundsätzliches zur Physiologie und Pathologie des Trainings. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 91–105.—**Mizumati, S., Mizusima, T.** [et al.] Saikin 12-nenkan ni okeru budō gaisyō [Traumatic injuries due to military training during the last 12 years] Nippon seikeigeka gakkai zassi, 1942–43, **17**: 634–6.—**Pick, B. P.** Some causes of sickness in naval training establishments. J. R. Nav. M. Serv., 1934, **20**: 120–30.

—— Air Force.

Crawford, M. P., Sollenberger, R. T. [et al.] Psychological research on operational training in the Continental Air Forces. 367p. 23½cm. Wash., 1947.

Forms No. 16, Res. Rep. Aviat. Psychol. U. S. Air Forces.

Richardson, Bellows, Henry & Company. A study of individual differences among Naval aviation students; psychological studies of training techniques. 32 l. 28cm. Port Washington, 1949.

Forms No. 383–1–12, Techn. Rep. Spec. Dev. Center U. S. Off. Nav. Res.

—— A summary of operational research in the Naval Air Training Command; psychological studies of training techniques; final report. 121 l. 28cm. Port Washington, 1949.

Forms No. 383–1–13 of preceding Techn. Rep.

Altitude training. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 29–31.—**Flying** training in the German Air Force. Ibid., 15.—**Graybiel, A., & West, H.** The relationship between physical fitness and success in training of U. S. naval flight students. Bumed News Lett., Wash., 1945, **5**: No. 4, 13.

—— Army.

Palmer, R. R., Wiley, B. I., & Keast, W. R. The procurement and training of ground combat troops. 696p. 25½cm. Wash., 1948.

Ainlay, G. W. A method of armory preparation for field exercises. Mil. Surgeon, 1941, **88**: 51–7.—**Army** specialized training program. J. Ass. Am. M. Coll., 1943, **18**: 193.—**Bailey, H. W., & Dallenbach, K. M.** A study of selective procedures and educational achievement of ASTP trainees processed by the Star Unit at the University of Illinois. Am. J. Psychol., 1945, **58**: 1–24.—**Blanco, S. M.** La instrucción del combate de infantería en el período individual. Bol. clase, Lima, 1942, **10**: 35; 147.—**Blech, G. M.** Winter training at Camp Grant. Mil. Surgeon, 1943, **92**: 531–3.—**Cohen, R. R.** Mental hygiene for the trainee; a method for fortifying the Army's manpower. Am. J. Psychiat., 1943–44, **100**: 62–71.—**Constam, G.** Die Zusammenarbeit von Truppe und Sanität bei Gefechtsübungen. Militärsanität, Zür., 1946, **28**: 55–7.—**Deák, A.** [Various points in the teaching of recruits] Voj. san. glasnik. 1930, **1**: 260–73.—**De Kemmeter, F.** Le service d'éducation de l'Armée belge et la propagande maritime. Rapp. Congr. internat. mer, 1946, 3. Congr., 48–55.—**Edgren, H. D.** War-time needs; Army training and recreation school. J. Phys. Educ., N. Y., 1941–42, **39**: 121.—**Enklaar, W. F.** De training van onze infanterie. Mil. geneesk. tschr., 1917, **21**: 34–46.—**Fitts, F. M.** The Army Specialized Training Program. J. Am. M. Ass., 1944, **124**: 934.—**Goldberg, S.** Psychological procedures employed in the Army's special training units. J. Clin. Psychol., 1945, **1**: 118–25.—**Held, M. W., & Held, C. C.** Public speaking in the Army training program. Q. J. Speech, 1943, **29**: 143–6.—**Henderson, M. T., & Moore, C. H.** Qualifying at a STAR Unit. Occupations, 1943–44, **22**: 296–9.—**Layman, J. W.** The Army Specializcd Training Program; the STAR Unit. J. Psychol., Provincet., 1944, **17**: 371–81.—**McQuitty, L. L.** A program for the classification and training of retarded soldiers. Psychol. Bull., 1943, **40**: 770–9.—**Madigan, P. S.** The recrult's first year. Army M. Bull., 1941, No. 57, 36–44. Also Ann. Int. M., 1941–42, **15**: 18–24.—**Massingham, J.** Vocational training in the Reichswehr. Mil. Rev., Fort Leavenw., 1944, **24**: No. 2, 8.—**Olsen, O.** [Soldiertraining] Militaerlaegen, 1936, **42**: 103–9.—**Perry, E. H.** The students' Army specialized training program in action. South. M. J., 1944, **37**: 8–10.—**Personnel** research in the Army;

the Army specialized training program. Psychol. Bull., 1943, **40:** 429–35.—**Romanis, R.** The training of soldiers in wartime. S. Thomas Hosp. Gaz., Lond., 1949, **47:** 99–104.—**Seidenfeld, M. A.** The special training units of the Army. Psychol. Bull., 1943, **40:** 279–81.—**Shuttleworth, F. K.** A critical evaluation of two aspects of the Army Specialized Training Program in basic engineering. J. Psychol., Provincet., 1944, **18:** 159–82.—**Stowe, A. M.** The S. A. T. C. idea, a possible solution of some of the social and military problems of democracy. School & Soc., 1918, **8:** 758–62.—**Taylor.** An act to authorize the attendance of personnel of the Army of the United States as students at educational institutions and other places. Congressional Rec., 1943, **89:** 1503.—**Tereščenko, M. N.** [Schooling in grenade-throwing] Teor. prakt. fiz. kult., Moskva, 1939, **3:** No. 2, 13–6.—**Weeks, J. W.** Army's principal peace problem to teach soldiers to train others. School Life, 1924–25, **10:** 81–4.—**We've** been asked: how a boy can get Army college training, Q. Phi Beta Pi M., 1942–43, **39:** 289.—**Wiley, B. I.** The building and training of infantry divisions. In: U. S. Army in World War II, Wash., 1948, AGF 2: 429–93, tab., 2 ch.

—— Civilian schools.

See also **Reserve Officers Training Corps.**

Brunton, T. L. Military training in schools. 3p. 21cm. Lond., 1901.
In his Collect. Papers, Lond., 1893–1914, **2:** No. 40.

Civilian Military Education Fund. Statements by presidents of universities and colleges on the educational value of military training. 23p. 8°. Wash., 1935.

Texas University. The school and pre-military training; State program under Health and Emergency Medical Service; Texas Civilian Defense; a plan for pre-military training on voluntary basis; elementary, junior high school and senior high school. 35p. 21½cm. Austin, 1942.

Akodus, J. Doprizyvnaja podgotovka. In: Encikl. slovar vocn. med., Moskva, 1946–48, **2:** 567–70.—**Breunlich, F.** Die militärische Jugendvorbereitung in Oesterreich. Zschr. Kinderschutz, Wien, 1915, **7:** 253–9.—**Dalton, J. N.** What our schools can do for the Army. Army Life, 1943, **25:** No. 12, 6; 18.—**Dorland, J. W.** Military training in dental colleges and other institutions of learning. J. Am. Dent. Ass., 1927, **14:** 2254–8.—**East, E. R.** Postwar military training in correctional institutions. J. Crim., Chic., 1948–49, **39:** 441–6.—**Hecker.** Ueber die Erziehung zur Wehrfähigkeit. Med. Klin., Berl., 1916, **12:** 683.—**Military** drill in the public schools. J. Health Phys. Educ., 1940, **11:** 478.—**Miller, H. M.** Ten years of military training at North Pacific College of Oregon. Dent. Cosmos, 1927, **69:** 708–11.—**Weible, W. L.** Pre-induction training for the Army. Mil. Rev., Fort Leavenw., 1944, **24:** No. 4, 13–7.—**Wenrich, R. C.** Pre-induction orientation in schools. Occupations, 1943–44, **22:** 161–4.—**White, E. B.** Victory Corps. Bull. Am. Ass. Univ. Professors, 1943, **29:** 299–301.—**Zehrer, F. A.** War service counselors in the schools. Occupations, 1943–44, **22:** 164–7.

—— Manual.

United States. Army. Surgeon-General's Office. Instructor's guide for Medical Department Mobilization Training Program 8–1; for medical units or installations and Medical Department technicians. 551p. 24cm. Carlisle Barracks, 1942.

—— Instructors' guide for Mobilization Training Program 8–101; for Medical Department units. 560p. 22cm. Carlisle Barracks, 1944.

—— medical.

Lind, S. C. Training of the medical divisions of units assigned to duty overseas. U. S. Nav. M. Bull., 1943, **41:** 1702–5.—**Military** (1940–41) training program; participation of the Medical Department of the Army. J. Am. M. Ass., 1940, **115:** 2003–5.—**Munly, W. C.** Participation of the Medical Department of the Army in the 1940–41 military training program. J. Indiana M. Ass., 1941, **34:** 156–62.

—— medical: Reserve duty.

Chesrow, E. J. Medico-military inactive duty training. Clin. M. & S., 1933, **40:** 109.—**Hart, W. L.** New Methods in medical reserve training. Mil. Surgeon, 1932, **71:** 532–8.

—— Navy.

Verplanck, W. S. Night lookout training stage. 14 l. 28cm. New Lond., 1946.
Forms Proj. X–350, U. S. Nav. M. Res. Laborat.

Adams, A. S. The Navy V–12 Program. J. Ass. Am. M. Coll., 1944, **19:** 30–42.—**Baganz, C. N., Mearin, R. J., & Woods, W. A.** Mental mechanisms and morale factors of naval recruits in training. U. S. Nav. M. Bull., 1944, **43:** 1137–40.—**Marmor, J., & Zander, A. F.** Psychological problems in the training of 16- and 17-year-old youths in the United States Maritime Service. In: Psychobiol. Progr. (Killinger, G. G.) Stanford Univ., 1947, 157–71.—**Navy** (The) V–12 college training program. J. Ass. Am. M. Coll., 1943, **18:** 192.

—— universal.

See **Universal military training.**

TRAINING aid.

Vallance, T. R., & Schrader, W. B. The evaluation of training devices and procedures. p.141–258. 23½cm. Wash., 1947.
In: Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 11.

Barr, J. S. Medical audiovisual education in the U. S. Navy. J. Am. M. Ass., 1944, **125:** 360–3.—**Kawaguchi, S., Hayakama, M., & Mieno, T.** Report on Japanese Navy horizontal and dive bombing training equipment and devices. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 48, 1–8, illust.—**Kawakatsu, H., Iseki, T.** [et al.] Training aids and devices used in the Japanese Air Force. Ibid., No. 240, 1–9.—**Linthicum, E. S.** The wooden soldier plays his part. Mil. Surgeon, 1939, **84:** 255–8.—**Pre-induction** training and visual aids. Visual Rev., 1943, 36–8.—**Witty, P. A., & Goldenberg, S.** The use of visual aids in special training units in the Army. J. Educ. Psychol., 1944, **35:** 82–90.

TRAINING camp.

See also **Camp; Hospital,** Camp hospital; **Respiratory system,** Diseases: Etiology.

Anthony, S. B., II. Army training field units to save soldiers' lives. Sunday Star, Wash., 1942, Sept. 13.—**Drinker, H. S.** The story of the training camps. Nat. Serv., N. Y., 1917, **2:** 94–100.—**Galliéni.** Circulaire de M. le Ministre de la guerre relative aux cantonnements et aux camps d'instruction. Rev. hyg., Par., 1915, **37:** 1163–8.—**General** outline of activities carried on in the Military Training Camp established by the State Military Training Commission at Peekskill, New York, this past summer [1917] Am. Phys. Educ. Rev., 1917, **22:** 432–40.—**Raycroft, J. E.** Training camp activities. Ibid., 1918, **23:** 143–50.—**Shekerjian, H.** Replacement training; Camp Sibert sees to it that Joe Trainee not only has thorough training but knows what he is doing, and why. Chem. Warf. Bull., 1943–44, **29:** No. 4, 10–5.—**Staley, S. C.** Association physical training in the Army training camps. Phys. Training, 1917–18, **15:** 2–7.—**Wilkinson, M. R.** Training in camp life. Wisconsin M. J., 1917–18, **16:** 130.

—— medical.

Medical officers' training camps. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 17–290, 2 map.—**Medical** training camps. Science, 1918, n. ser., **47:** 137.—**Mobilization** and training camp for Medical Department units. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 291–300.—**Reynaud.** Project pour un camp d'instruction et d'entraînement du Service de santé. Bull. Soc. méd. mil. fr., 1948, **42:** 175–8.—**Training** of medical department personnel in the GAF. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 9a, 1.

—— Medical service.

Leone, G., & Word, B. Medical service at a large military training camp. Mississippi Doctor, 1941–42, **19:** 74; 351.—**Mann, W. L.** Sanitary notes from a marine training camp. U. S. Nav. M. Bull., 1918, **12:** 327–31, 2 pl.

TRAINING center.

See also **Aviator,** Training; **Dental officer,** Education; also **Replacement depot.**

Adler, M. H. The management of the maladjusted soldier at the basic training center. J. Clin. Psychopath., 1945–46, **7:** 713–29.—**Crosbie, P. L.** Work in a training establishment. J. R. Nav. M. Serv., 1931, **17:** 256–62.—**Cruvant, B. A.** Replacement training center consultation service. Am. J. Psychiat., 1943–44, **100:** 41–6.—**Farrell, M. J.** Psychiatry in training centers. Bull. Menninger Clin., 1944, **8:** 133–5.—**Looby, W. E.** Medical Replacement Training Center, Camp Grant, Illinois. Mil. Surgeon, 1942, **91:** 157–60.—**Lundeberg, K. R., & Sartwell, P. E.** Special disease hazards in basic training centers. Mil. Rev., Fort Leavenw., 1947–48, **27:** No. 2, 60–4.—**MacDermot, P. N.** The Canadian Army Medical Corps Training Centre. Canad. M. Ass. J., 1943, **48:** 404–6.—**Martins de Melo, H.** Centros de preparação e recompletamento de recrutas. Impr. méd., Rio, 1945–46, **21:** No. 377, 73–7.—**Rebo, A. D.** Medical replacement center; a close-up of Camp Robinson, Ark., where new officers are trained. Med.

Econom., 1942–43, **20**: No. 6, 41–5.—**Special** disease hazards in basic training centers. Bull. U. S. Army M. Dep., 1946, **6**: 41–4.—**Tandon, B. R.** The history of the Army Medical Training Centre. J. Ind. Army M. Corps, 1947, **3**: 36–40.—**Walker, W. R.** Medical care of troops at basic training centres. J. Canad. M. Serv., 1943–44, **1**: 18–20.

TRAINING school.

See **School; Training;** also **Aviator,** Training.

TRAINING station (naval)

See also **Neuropsychiatry**—by countries: United States Navy.

Hunt, W. A. The psychologist in the Psychiatric Program at the Naval Training Stations. Psychol. Bull., 1944, **41**: 557–60.—**Kirwan, B. E.** The United States Naval Training Station, Sampson, N. Y. Hosp. Corps Q., 1943, **16**: No. 4, 57–64.—**Levine, A.** Common neuropsychiatric problems encountered at a naval training station. U. S. Nav. M. Bull., 1943, **41**: 777–87.—**Poliak, P. P.** Some observations on induction center and training station psychiatry. J. Nerv. Ment. Dis., 1944, **99**: 799–807.—**Rossiter, P. S.** Sanitary notes from the United States Naval Training Station, San Francisco, Cal. U. S. Nav. M. Bull., 1916, **10**: 764–6.—**Samelson, J. S.** Dentistry at Great Lakes Naval Training Station. CAL, Chic., 1941–42, **4**: No. 10, 8.—**Saul, L. J.** Some aspects of psychiatry in the [naval] training station. Am. J. Psychiat., 1943–44, **100**: 74–9.—**Schoenfeld, S. J.** Dentistry at a naval training station. Dent. Outlook, N. Y., 1941, **28**: 352–4.—**Stillerman, J. I.** Farragut Naval Training Station. Dent. Student's Mag., 1943–44, **22**: No. 3, 13–9.

TRANSFUSION.

See **Blood transfusion; Blood transfusion service.**

TRANSFUSION hepatitis.

See **Blood transfusion,** Complications.

TRANSPORT.

See also **Animal; Ambulance,** animal-drawn; **Convoy; Food transport; Neurosurgery,** Organization.

Brunet, F. Navires transports militaires. Arch. méd. pharm. nav., 1922, **120**: 456–67. Also Rapp. Congr. san. pub., Marseille, 1922, 3. Congr., 182–92. Also Rev. méd. hyg. trop., Par., 1922, **14**: 174–6.—**Collier, G. A.** Movement of troops by sea. J. R. Army M. Corps, 1927, **48**: 204–14.—**Division** des transports maritimes du Comité international de la Croix Rouge. Rev. internat. Croix Rouge, 1942, **24**: 735–41.—**Jongh, J. B. de.** [On transport, evacuation and supply] Mil. spectator, Haag, 1935, **104**: 286–92.—**Navy** transports. U. S. Nav. M. Bull., 1919, **13**: Suppl., 76–8, 2 pl.—**Nesterov, N.** Oboz vojskovoj. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1433.—**Priest, R.** A voyage in a transport in 1812. J. R. Army M. Corps, 1938, **71**: 409–14.—**Service** des transports maritimes du Comité international de la Croix-Rouge. Rev. internat. Croix Rouge, 1943, **25**: opp. p.166 (illustrations); 1945, **27**: 37–42.—**Shaw, C.** We traveled by transport. Am. J. Nurs., 1943, **43**: 1022–4.—**Snyder, J. J.** The equipment of transports during the World War. U. S. Nav. M. Bull., 1923, **18**: 185–211.—**Thompson, T. O.** Troopship temperatures and suggested methods of improvement; insulation by aluminum foil sheeting. J. R. Army M. Corps, 1934, **62**: 85–101.—**Wartime** transport in Great Britain. Nature, Lond., 1942, **150**: 611.

—— Diseases.

Gordon, J. E. Common respiratory infections among Army troops on transports. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 3, No. 1, 7–12. —— Influenza on troop ships. Ibid., No. 2, 10–2.—**Krotkov, F. G.** [Control of epidemics on transports] Voen. san. delo, 1941, No. 12, 36–40.—**Lorenzini, F.** Le condizioni sanitarie della truppe e degli operai diretti in A. O. durante il viaggio di mare. Gazz. internaz. med. chir., 1936, **46**: 674–7.

—— Medical service.

Bizien. Le Service de santé des troupes aéroportées au cours de la guerre 1939–45. Rev. Corps san. mil., Par., 1948, **4**: 291–322, 5 map.—**Burrage, T. J.** The experiences of a senior medical officer on transport during the World War. Mil. Surgeon, 1936, **79**: 301–9.—**Dental** service on an Army transport. Bull. U. S. Army M. Dep., 1944, No. 83, 36.—**Heagerty, J. J.** Sanitary conditions aboard transports. Pub. Health J., 1919, **10**: 145–7.—**Ivanov, V. M.** [Certain problems of sanitation on transports] Tr. Voen. morsk. med. akad., 1941, **1**: 54–82.—**Kantor, T. G.** Army transport medical service. Bull. U. S. Army M. Dep., 1949, **9**: 838–44.—**Lobo, A.** Serviço de saúde duma expedição militar por via marítima. Rev. med. mil., Rio, 1941, **30**: 68–84.—**Nobbs, A.** Ship surgeons and doctors on military transports. Brit. M. J., 1941, **2**: 460.—**Oliveira Ramos, J. de.** Serviço de saúde a bordo de um transporte militar. Med. cir. farm., Rio, 1945, No. 105, 66–71.—**Petrowsky, E., & Puntigam, F.** Ueber eine Schutzmassnahme bei ärztlichen Untersuchungen von Massentransporten. Wien. klin. Wschr., 1941, **54**: 1041.—**Semeka, S.** Post sanitarnogo transporta. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 778–80.—**Sokolov, A. N., Grilihes, I. A., & Kolarov, V. P.** [Protection of health on transports] In: Dvadc. piat let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 262–71.—**Terra-Abrami, G.** Il servizio sanitario sui piroscafi trasporto truppe in A. O. I; dati, statistici e considerazioni. Gior. med. mil., 1937, **85**: 1339–51.—**Van Themsche, M. E.** La tactique sanitaire des transports de guerre. Arch. méd. belges, 1937, **90**: 177–85.—**Weed, F. W.** Sanitation of transports. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 414–30.—**Woodworth, J. D. R.** Sanitation on Atlantic transports. Mil. Surgeon, 1923, **52**: 290–9.

TRANSPORTATION.

See also **Air evacuation; Air Transport Service; Convoy; Fracture,** Transportation; **Horse,** Transportation; **Prisoner of war; Transport; Vehicle; Wounded,** Transportation.

United States. Army. Office of the Quartermaster-General. Manual of pack transportation; Quartermaster's Department. 242p. 23½cm. Wash., 1910.

Austin, J. F. A soldier at sea, or, moments in mufti. Med. Bull., Wichita, 1942, **11**: No. 4, 6–8.—**Kobro, I.** Transportøvelser ved sanitetet. Norsk tskr. mil. med., 1932, **36**: 11–3.—**McFarland, R. A.** The trends and characteristics of air transportation. In his Human Factors in Air Transp. Design, N. Y., 1946, 13–40, illust.

—— Animals.

See also **Horse,** Transportation.

United States. War Department. Army regulations No. 40–2060, Medical Department: Veterinary service, animal transports. 3p. 8°. Wash., 1922.

Courtin, A. Aménagement d'un L. S. T. en transport d'animaux et convoyage d'animaux à bord de ce navire. Rev. vét. mil., Par., 1948, **3**: 198–204.—**Garanin, F. V.** [Model organization of veterinary sanitary service for agricultural animals during railroad transportation] Sovet. vet., 1939, **16**: No. 3, 43.—**Hershberger, F. C.** Transportation of animals by sea. Vet. Bull., Wash., 1930, **24**: Suppl., 275–83.—**Loveday, R. K.** The transport of animals by sea between South Africa and India during World War II. J. S. Afr. Vet. M. Ass., 1946, **17**: 69–80.—**Mohri, R. W.** Transporte aéreo de animais de carga sôbre o Himalaia. Rev. mil. remonta vet., Rio, 1947, **9**: No. 51, 3–10.

TRANSPORTATION of wounded.

See **Wounded,** Transportation; also **Evacuation.**

TRANSPORT pilot.

See **Aviator.**

TRANSPORT service.

Darling, W. G. Suggested plan for modernization of the transport service of a medical regiment. Mil. Surgeon, 1937, **80**: 114–22.—**Longabaugh, R. I.** Details of transport service. U. S. Nav. M. Bull., 1919, **13**: 149–56.

TRANSVERSE acceleration.

See under **Acceleration.**

TRAP.

See **Fly trap; Mosquito trap.**

TRASENTINE.

McNamara, B. P., Stabile, D. E., & Wills, J. H. Trasentine HCl and trasentine methiodide as antidotes in poisoning produced by anticholinesterase agents. 13p. 26½cm. Army Chem. Cent., 1949.

Forms Rep. No. 225, Med. Div. Chem. Corps U. S. Army.

TRASH.

See **Garbage; Refuse; Waste.**

TRAUMA.

See **Injury**; also as subheading (traumatic) under the following terms: **Neurosis; Pneumonia; Pneumothorax; Psychosis; War neurosis; War psychosis.**

TRAUMATOLOGY.

See also **Injury,** Manual; **Surgery,** traumatic.

Anquin, C. E. de. La traumatología en el Ejército; su importancia economico-social. Rev. san. mil., B. Air., 1945, **44:** 987–96.—**Barboza Viana.** A traumatologia; sua função na paz e na guerra. Impr. méd., Rio, 1943, **18:** No. 354, 31–5.—**Bastos Gonçalves, G. F.** Do traumatologista na paz e na guerra. Bol. Dir. serv. saúde mil., 1939, 171–89.—**Carvalho, G. de.** Importancia da traumatologia na campanha da Itália; suas aplicações práticas para o Exército brasileiro. Rev. med. mil., Rio, 1947, **36:** 26–31.—**De Sarlo, E.** Importanza della traumatologia di guerra quale specialità chirurgica militare. Gior. med. mil., 1926, **74:** 110–4.—**Gioia, T.** Importancia de la traumatología en la práctica civil. In his Traum. guerra, B. Air., 1943, 11–26.—**Lagomarsino, E. H.** Cuatro años de organización en traumatología y ortopedía militar. Rev. san. mil., B. Air., 1938, **37:** 179–220.—**Thiem, C.** Unfallheilkunde und Kriegsheilkunde. Jahrkurs. ärztl. Fortbild., 1915, H. 9, 15–31.

TRAVEL.

See also **Air travel; Medical log; Naval medicine,** Experiences and medical logs.

Anderson, R. A. Some brief details of a trip down the Irrawaddy and a trip up the Ganges-Brahmaputra. J. R. Army M. Corps, 1939, **73:** 261–9.—**Carr, H.** Portugal: change, cheapness and charm. Ibid., 1938, **70:** 406–11.—**Cheyne, D. G.** Africa, 1934. Ibid., 50; 126.—**Comyn, K.** From Rome to Karachi by air. Ibid., 1939, **72:** 55; 126.—**Dean, F. W. S.** The visit of the fleet to Lima, Peru. U. S. Nav. M. Bull., 1921, n. ser., **5:** Suppl. No. 4, 15–7, 2 pl.—**Duffranc.** Rapport sur la campagne de la Surprise [Océan indien] Arch. méd. nav., Par., 1908, **90:** 371–85.—**Hägg, D.** [Reminiscences of a trip to England in June 1922] Tskr. mil. hälsov., 1923, **48:** 33–65.—**Hall, W. F.** Immunizations for foreign travel. U. S. Armed Forces M. J., 1950, **1:** 119.—**Hausgeth, K.** [Report on a study trip to England in the autumn of 1921] Norsk tskr. mil. med., 1922, **26:** 31–9.—**Héderer, C.** Notes sur l'île de Castellorizo. Arch. méd. pharm. nav., 1919, **107:** 125; 204.—**Hinricsson, H.** Impressions from an educational trip to France, Belgium and Germany] Tskr. mil. hälsov., 1937, **62:** 271–6.—**Holtz, F. A. G.** Några erfarenheter från en studieresa till Paris 1919. Ibid., 1920, **45:** 22–39, illust.—**Jones, H. W.** A doctor chases the Pulajanes. Mil. Surgeon, 1930, **67:** 297–316. ——— Following rainbows 'round the world. Ibid., 1932, **71:** 76; 172.—**Kanno, M.** Ohbei sisatu dan [A tour of inspection of Europe and America] Gun idan zassi, 1925, 317–38.—**Kerr, W. M.** The Manila Galleon; extracted from a voyage around the world in 1740–1744. U. S. Nav. M. Bull., 1921, **15:** 787–800. ——— With Anson to Juan Fernández. Ibid., 1922, **16:** 265–79.—**Key-Aberg, H.** [Short studies in foreign lands; Austria, Hungary] Tskr. mil. hälsov., 1928, **53:** 128–42.—**Lane, C. W.** The Vienna Clinics. U. S. Nav. M. Bull., 1925, **23:** 477–82.—**Nakamura, K.** Osyû wo kaerimite [Looking back on Europe] Gun idan zassi, 1925, 453–94.—**Nicholson, J. E.** A trip through Portugal in 1905. J. R. Army M. Corps, 1908, **10:** 304–15.—**Nicholson, R. H.** A trip to Newfoundland. Ibid., 1907, **8:** 82–4.—**Oern, W.** [Scientific trip to France and Germany] Tskr. mil. hälsov., 1935, **60:** 31–43.—**Rietz, T.** [Medical experiences from a sojourn in France in 1921] Ibid., 1922, **47:** 133–54.—**Wedd, G. D.** A cruise to the Hudson Bay in H. M. S. Scarborough, July to September, 1937. J. R. Nav. M. Serv., 1938, **24:** 222–9.—**Zeiner-Henriksen, K.** [Some experiences from a sojourn in Germany and Austria] Norsk tskr. mil. med., 1922, **26:** 73.

TREATMENT.

See **Therapeutics;** also as subheading under many terms of pathology as **Cold injury; Diphtheria; Dysentery; Extremity injury; Eye injury; Gas gangrene; Malaria; Osteomyelitis; Paradentosis; Peptic ulcer; Syphilis; Tetanus; Typhoid; Venereal disease; War neurosis,** etc.

—— Refusal.

See also **Operation (surgical)** Forensic aspect.

Bassetta, A. Compulsory treatment. Interallied Conf. Aftercare Disabled Men, 1918, **2:** 479–83.—**Cadenat.** Sur un point de droit. Gaz. hôp., 1939, **112:** 1458.—**Disposition** of Naval personnel who refuse medical, dental, or surgical treatment in time of war [General Order] Bumed News Lett., Wash., 1944, **4:** No. 13, 40–2.

TREATY.

See **Land warfare.**

TREMATODES.

See **Helminthosis.**

TREMOR.

See under **War neurosis.**

TRENCH.

See also **Dugout;** also subsequent headings.

Genevray, J. E. M. *La faune de la tranchée. 48p. 8° Bord., 1917.

Gazzetti, C. Studi intorno ai mezzi di lotta contro i ratti delle trincee; risultati ottenuti in pratica. Boll. Soc med. chir. Modena, 1917–18, **19:**–**20:** 43. ——— Sulla lotta contro i ratti delle trincee. Gazz. osp., 1918, **39:** 572.—**Invasion** (L') des rats aux tranchées pendant la guerre de 1914; ses causes, ses remèdes. Ann. hyg., Par., 1919, 4. ser., **31:** 183–6.—**Lucas, D. R.** A straddle trench cover. Mil. Surgeon, 1916, **39:** 644–8, pl.—**Osipenko, K.** Zemljanka. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 797–803. ——— Okopy. Ibid., **3:** 1485–8.—**Süreyya Endik** [Lighting, heating and airing of trenches and their places for sleep and washing] Askerî sihhiye mecmuası, 1939, **68:** No. 27, 95–8.—**Trounce, H. D.** Suggestions on trench construction, etc. Profess. Mem. Corps Engin. U. S. Army, 1918, **10:** 370–88.

TRENCH fever.

See **Rickettsiasis (quintana)**

TRENCH foot.

See **Foot,** Disease.

TRENCH frostbite.

See **Cold injury.**

TRENCH mouth.

See **Vincent infection.**

TRENCH nephritis.

See **Nephritis (war)**

TRENCH warfare.

See also **Dugout; Trench.**

—— Medical aspect.

Chervy, R. *Les mesures d'hygiène prises aux avant-postes de la Ligne Maginot. 37p. 24cm. Par., 1941.

Clouet, H. M. J. *Contribution à l'étude de l'hygiène du soldat dans la guerre de tranchées. 42p. 8° Bord., 1916.

Eymard, M. *Considérations sur l'hygiène générale des troupes dans la tranchée après douze mois de campagne. 72p. 8° Lyon, 1915.

Arterial pressure in the trenches. Med. Rec., N. Y., 1917, **91:** 775.—**Bardou, V.** The epidemiology of trench warfare. N. York M. J., 1918, **108:** 24.—**Bertarelli, E.** L'igiene che si può fare e non si può fare in trincea. Gazz. med. sicil., 1916, **19:** 433–8. Also Med. prat., Nap., 1916, **1:** 416–9.—**Camp** sanitation in trench warfare; by a military observer. Mil. Surgeon, 1917, **41:** 703–10.—**Feichtmayer.** Die Hygiene in den Deckungen im Stellungskriege. Deut. med. Wschr., 1915, **41:** 14.—**Gil y Gil, C.** Métodos empleados y resultados obtenidos en el tratamiento de los pies de trinchera. Rev. españ. med. cir. guerra, 1939, **2:** 9–29, illust.—**Hannemann, K.** Zur Hygiene des Stellungskrieges. Münch. med. Wschr., 1916, **63:** 1745.—**Mayers, A. N.** Dug-out psychiatry. Psychiatry, 1945, **8:** 383–8.—**Principaux** (Les) insectes qui peuvent affecter la santé de l'homme ou des animaux dans les opérations militaires. Bull. Off. internat. hyg. pub., Par., 1917, **9:** 324–50.—**Schanz, A.** Eine eigenartige Verschüttungskrankheit. Zbl. Chir., 1917, **44:** 789–91.

TREPONEMA.

See also **Syphilis.**

Frost, A. T. Report on the clinical value of Burri's method of detecting the Treponema pallidum. J. R. Army M. Corps, 1912, **19**: 203.—**Hudson, E. H.** Treponematosis among the Bedouin Arabs of the Syrian Desert. U. S. Nav. M. Bull., 1928, **26**: 817–25.—**Romby, P.** Sul Treponema pallidum (metodi di colorazione e possibilità di accertamento) Gior. med. mil., 1931, **79**: 599–604.—**Tedeschi, N.** Colorazione del Treponema pallidum col metodo di Pulgher. Ibid., 1926, **74**: 149.

TRIAGE.

See also **Casualty,** Reception; **Wounded,** Classification.

Ackland, T. H. The reception of wounded at an operating section; problems of organization, resuscitation and immediate disposal. Med. J. Australia, 1943, **2**: 418–21.—**Banaitis, S. I.** Obšćie principy sortirovki ranenykh. In: Kratkij kurs voen. polev khir. (Kupriianov, P. A., & Banaitis, S. I.) Moskva, 1942, 34–43.—**Burnazian, A. I.** Nekotorye voprosy organizacii sortirovki ranenykh i bolnykh v vojskovom i armejskom rajonakh. Voen. san. delo, 1941, No. 2, 66–71.—**Heusser, H.** Die Sortierung der Verwundeten in Front-Sanitätsdienst. Vjschr. schweiz. Sanitätsoff., 1938, **15**: 84–90.—**Importance** (The) of triage (sorting and distribution) in military surgery. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 9, 5.—**Isler.** Markierung von Verwundeten in den San. Rekrutenschulen. Vjschr. schweiz. Sanitätsoff., 1942, **19**: 22.—**Lobo, A.** A triagem em tática sanitária. Rev. med. mil., Rio, 1940, **29**: 39–45.—**Markwalder, E.** Triage. Militärsanität, Zür., 1946, **28**: 41; 45. ——— Verwundetenmarkierung. Ibid., 1947, **29**: 43–5.—**Parvulescu, G.** Triajul chirurgical in campanie. Rev. san. mil., Bucur., 1937, **36**: 17–22.—**Rosenman, L. S.** [On the efficiency of sorting and profiling the wounded and sick] Hosp. delo, 1945, No. 4, 16–9.—**Schickelé.** The classification of sick and wounded in the field. Arch. méd. belges, 1934, **87**: Bull. internat., 187–99. Also J. R. Army M. Corps, 1934, **63**: 29–36.—**Sivers, S. G., & Kuslik, M. I.** [Sorting of wounded for evacuation according to treatment required] Voen. med. J., Moskva, 1944, 53–5.—**Smirnov, I. I., & Orlov.** Kharakteristika ranenij po dannym nekotorykh evakohospitalej glubokogo tyla. Voen. san. delo, 1940, No. 10, 59–62.—**Taborissky, M. G.** [Plywood tags for marking the classification of wounded] Ibid., 1943, No. 5, 51.—**Wachsmuth, W., & Imaz, J. I.** Cirugía de guerra; primer examen y clasificación de los heridos desde el punto de vista del cirujano. Rev. san. mil., B. Air., 1940, **39**: 482–93.

TRICHINOSIS.

See also **Arctic service,** Medical aspect.

RIEGE. Ueber Trichinose und ihr Vorkommen in der deutschen Marine. 44p. 8° Berl., 1929.
Forms H. 19, Veröff. Marine San.

Davis, W. A., & Cleland, R. R. Trichinosis in prisoners of war. Bull. U. S. Army M. Dep., 1947, **7**: 973–6.—**Day, C. L., Wood, E. A., & Lane, W. F.** Observations on an outbreak of trichinosis among German prisoners of war. J. R. Army M. Corps, 1946, **86**: 58–63.—**Diasio, J. S., & Gannon, J. R.** Trichinosis. Mil. Surgeon, 1942, **91**: 206–8.—**Ferenbaugh, T. L.** A trichinosis epidemic in the Civilian Conservation Corps. Army M. Bull., 1938, No. 44, 62–7.—**Gaase, A.** Die Trichinoseforschung nach dem Schrifttum der letzten Jahre mit besonderer Berücksichtigung eigener Komplementbindungsergebnisse beim Menschen und in Tierversuchen. Deut. Militärarzt, 1942, **7**: 442–8.—**Gérard, R.** Petite épidémie de trichinose en Algérie. Rev. méd. nav., Par., 1946, **1**: 353–62.—**Gruber, B.** Muskelbeschwerden nach Trichinose und Militärdienstfähigkeit. Deut. Militärarzt, 1942, **7**: 542–4.—**Huber, W. M.** A report of two cases of trichinosis simulating enteric fever. Mil. Surgeon, 1936, **78**: 52–8.—**Joses, M., & Wells, J. J.** Trichinosis; a report of two cases. U. S. Nav. M. Bull., 1937, **35**: 475–80.—**Kalwaryjski, B. E.** [Study on Trichina; iodine-silver impregnation of Trichina in the muscle] Lek. wojsk., 1938, **31**: 286–301.—**Kruchen, C., Haring & Lederer, E.** Ueber eine Gruppenerkrankung an Trichinose. Deut. Militärarzt, 1940, **5**: 209–18.—**Macleod, J. W.** Trichiniasis in the Royal Canadian Navy. J. Canad. M. Serv., 1944-45, **2**: 650–5.—**Magath, T. B.** Trichinosis. Mil. Surgeon, 1939, **84**: 598.—**Merlo González, J. A.** Triquinosis; cueza su carne de cerdo bien, y no contraera triquina. Rev. san. mil., Habana, 1941, **5**: 52–6.—**Moorehead, M. T.** Trichinosis simulating sarcoma of the chest wall. Med. Bull. Veterans Admin., 1940–41, **17**: 303–5.—**Neghme, A., Faiguenbaum, J.** [et al.] Epidemia de triquinosis en la Escuela militar de Chile. Rev. méd. Chile, 1947, **75**: 519–24.—**Oppenheim, J. M., Whims, C. B., & Frisch, A. W.** Clinical and laboratory observations on 256 cases of trichinosis. Bull. U. S. Army M. Dep., 1946, **6**: 581–93. Also Mil. Surgeon, 1947, **101**: 294–301.—**Parrisius, W., Lampe, G.** [et al.] Erfahrungen während einer Trichinose-Epidemie! Deut. Militärarzt, 1942, **7**: 198–209. Also Bull. War M., Lond., 1942–43, **3**: 236–8 (Abstr.)—**Pohlmann, E.** Enzephalitis bei Trichinose. Ibid., 471 (Abstr.)—**Reimann, H.** Ekg bei Trichinose. Deut. Militärarzt, 1942, **7**: 448–54. Also Bull. War M., Lond., 1942–43, **3**: 337 (Abstr.)—**Todd, F. A.** Trichina inspection in Germany. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: No. 2, 30.—**Todorović, K.** [Clinical study of trichinosis] Voj. san. glasnik, 1940, **11**: 605–15.—**Wenderoth, H.** Ueber Schäden des Kreislaufapparates bei Trichinose. Deut. Militärarzt, 1942, **7**: 687–91.—**Whitteridge, S. M.** A case of Trichinella spiralis infection with mental symptoms. J. R. Nav. M. Serv., 1942, **28**: 290–3.

TRICHLORETHYLENE.

Dmitrieva, M. V. Nabljudenija nad ostroj peroralnoj intoksikaciej trikhloretilenom. In: Sborn. nauch. rabot Otech. vojny (Lcningr. inst. hig. truda) Leningr., 1945, 168–70.—**Industrial** medicine; trichlorethylene. Med. Bull. U. S. First Army, 1948, **3**: No. 9, 19.—**Price, E. N.** Trichlorethylene as a war-time anaesthetic. S. Mary Hosp. Gaz., Lond., 1942, **48**: 7.—**Trichlorethylene.** Med. Bull. U. S. First Army, 1948, **3**: No. 3, 8.—**Trilene** banned from closed circuits. Bull. Army M. Dep., Lond., 1944, No. 36, 8.

TRICHOBEZOAR.

HOWELL, S. R., SCHLACK, C. A. [et al.] Prevention of trichobezoar in the cotton rat Sigmodon hispidus hispidus. 6p. 26½cm. Bethesda, 1947.
Forms Rep. No. 8, Res. Proj. X–418, U. S. Nav. M. Res. Inst.

TRICHOMONAS.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 8: Trichomonas vaginalis vaginitis. 2p. 26cm. Wash., 1944.

Brocklehurst, F. B. Trichomoniasis in the pigeon in Great Britain. J. R. Army Vet. Corps, 1944–45, **16**: 130–2.—**Cicchitto, A. M.** Sulla patogenicità del Trichomonas intestinalis. Ann. med. nav., Roma, 1936, **42**: pt 1, 27–33.—**Gleiser, C. A., & Yager, R. H.** Trichomonad and haemoproteus infections. Bull. U. S. Army M. Dep., 1946, **6**: 177–82.—**Penso, G.** Le cisti del Trichomonas intestinalis. Ann. med. nav., Roma, 1932, **38**: pt 1, 275–8.—**Trichomonas** vaginalis vaginitis. War Dep. Techn. Bull., 1944, No. 8, 1.

TRICHONEMA.

Marcenac. Au sujet du parasitisme intestinal du cheval; la cylicostomose larvaire (trichonémose) Rev. vét. mil., Par., 1929, **13**: 282–95.

TRICHOPHYTON.

See also **Dermatophytosis; Mycosis; Tinea.**

Ebihara, M. Guntai ni okeru hakusen no kenkyū [Ueber die Trichophytie und ihre Erreger bei Soldaten] Gun idan zassi, 1933, 1053–99, 4 pl.—**Moloney, J. B.** Copper sulphate treatment of trichophytosis. U. S. Nav. M. Bull., 1937, **35**: 440.—**Rademacher, C. J.** Treatment of trichophyton foot infections in the field. Mil. Surgeon, 1942, **90**: 431–4.—**Strauss, S. D.** Trichophytin foot infections; empirical study of camphor-phenol treatment. Ibid., **91**: 348.—**Vagni, U., & Demichelis, L. A.** Tinha granulosa do cavalo. Rev. mil. med. vet., Rio, 1939, **2**: 1485–8.—**Wilson, W. L.** Trichophytosis. Mil. Surgeon, 1933, **72**: 11–9.

TRICHOSTRONGYLUS.

Zin-ketu senzyō-tyū kensaku seiseki ni tuite [Results of research on Trichostrongylus in the human blood] Gun idan zassi, 1929, 1417.

TRIETHYLENE glycol.

See **Glycol.**

TRIGEMINAL neuralgia.

Barraux, A., & Roques, P. Névralgie du trijumeau et sympathalgies associées, secondaires à un zona post-traumatique. Bull. Soc. méd. mil. fr., 1937, **31**: 305–11.—**Brandão Filho, A.** Neurotomia retro-gasseriana. Rev. med. hyg. mil., Rio, 1925, **14**: 201–6.—**Davidoff, L.** Trigeminal neuralgia. Profess. Staff Proc. Halloran Gen. Hosp., 1946, **1**: 9, 15–24. Also Bull. U. S. Army M. Dep., 1948, **8**: 535–41.—**Kettner, E. C.** The relationship of the teeth to facial neuralgia and headache. U. S. Veterans Bur. M. Bull., 1930, **6**: 46–9.—**Koder.** Trigeminusneuralgie. Militärarzt, Wien, 1911, **45**: 120.—**Vita, G.** Della necessità dell'indagine radiologica nelle nevralgie del trigemino. Gior. med. mil., 1934, **82**: 556–71.

TRIMERESURUS.

See also **Snake bite.**

STORMONT, R. T. Toxicity of snake venom (Trimeresurus flavoviridis) and antidotal effec-

tivenesss of antivenins. 3p. 27cm. Bethesda, 1946.
Forms Res. Proj. X-163, U. S. Nav. M. Res. Inst.

Sonneborn, D. G. Poisonous snake (habu) bites. U. S. Nav. M. Bull., 1946, **46**: 105–8.

TRINIDAD.

See under **World War II.**

TRINITROPHENOL.

See **Nitrophenol.**

TRINITROTOLUENE.

See also **Explosive.**

Cone, T. E., jr. Determination of TNT, (2, 4, 6-trinitrotoluene) in air. U. S. Nav. M. Bull., 1943, **41**: 219.—**Keeser, E.** Trinitrotoluol. CIOS Rep., Lond., 1945, Item 24, No. XXXII-47, 22–6.—**Trinitrotoluol** (TNT) manufacture and general properties. Chem. Warf., 1920, **4**: No. 4, 3–11.

—— poisoning.

Sievers, R. F., Lawton, A. H. [et al.] A medical study of the effect of TNT on workers in a bomb and shell loading plant. p.1–84. 23½cm. Wash., 1945.
Pub. Health Bull., Wash., 1945, No. 291.

Brill, H. M., Cone, T. E., & Wilson, K. E. The effect of trinitrotoluene on the formed elements of the blood. U. S. Nav. M. Bull., 1944, **42**: 241–7.—**Cone, T. E.** Trinitrotoluene, TNT, poisoning. Ibid., 731–4.—**Fegler, J.** [Experiments in the effect of trinitrotoluene poisoning on the hematopoietic organs in dogs] Lek. wojsk., 1927, **10**: 443–67.—**Keeser, E.** Die chronische Trinitrotoluolvergiftung. CIOS Rep., Lond., 1945, Item 24, No. XXXII-47, 24–6.—**McConnell, W. J., & Flinn, R. H.** Summary of twenty-two trinitrotoluene fatalities in World War II. J. Indust. Hyg., 1946, **28**: 76–86.—**Matusevich, J. Z.** Klinićeskie osobennosti otravlenij trinitrotoluolom v Leningrade v 1943g. In: Sborn. nauch. rabot Otech. vojny (Leningr. inst. hig. truda) Leningr., 1945, 82–8.—**Preventive** work in connection with TNT poisoning. Bull. War M., Lond., 1941–42, **2**: 526 (Abstr.)—**Trinitrotoluene** (T. N. T.) poisoning among munition workers. J. Am. M. Ass., 1917, **69**: 2041.

TRIPOLITANIA.

See also under **Wars and campaigns, World War II, Libia.**

De Bernardinis, V. Psicologia e medicina tripolitane. Ann. med. nav., Roma, 1915, **1**: 528–39.—**Modica, R., & Bellecci, P.** La flora batterica e la citologia delle secrezioni congiuntivali in Tripolitania. Ibid., 1940, **46**: 434–41.

TRISMUS.

See also **Tetanus.**

Hovell, J. H. Trismus following war injuries. Brit. Dent. J., 1945, **79**: 40–4.—**Ivy, R. H., & Eby, J. D.** Trismus and ankylosis. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 452–60.

TRISTAN da Cunha.

Wooley, E. J. S. The health of the civilian population of Tristan da Cunha. J. R. Nav. M. Serv., 1946, **32**: 3–15.

TROCHANTER.

See **Fracture**—by site (Extremity lower; Femur)

TROMBICULA.

See also **Rickettsia, orientalis; Rickettsiasis (orientalis)**

United States. Entomology and Plant Quarantine Bureau. Insects in relation to national defense. Circular 14: Chiggers. 9 l. 23cm. Wash., 1941.

Ewing, H. E. Note on taxonomy of type species of the mite genus Trombicula berlese. U. S. Nav. M. Bull., 1944, **43**: 837–9.—**Wharton, G. W.** Chiggers; survey and control. Bumed News Lett., Wash., 1944, **4**: No. 9, 1–4.

—— Control.

Bushland, R. C. Tests against chiggers in New Guinea to develop a practical field method for impregnating uniforms with dimethyl phthalate for scrub typhus prevention. Am. J. Hyg., 1946, **43**: 219–29. ——— New Guinea field tests of uniforms impregnated with miticides to develop laundry-resistant clothing treatments for preventing scrub typhus. Ibid., 230–47.—**Cross, H. F., & Snyder, F. M.** Field tests of uniforms impregnated with mite toxicants; protection studies. J. Econom. Entom., 1948, **41**: 936–40.—**Romeo, Z. J.** Sulfur and soap as effective prophylaxis against chiggers, red bugs, in the Army. Mil. Surgeon, 1942, **90**: 437–9.—**Snyder, F. M., & Cross, H. F.** Field tests of uniforms impregnated with mite toxicants; stopping-time studies. J. Econom. Entom., 1948, **41**: 940.

—— Epidemiological aspect.

See also **Rickettsiasis (orientalis)**

Hayakawa, K., Hokari, K. [et al.] On the relationship between the tropical tsutsugamushi disease vector (Trombicula) and the host rat. Pt. 2: Researches on the rat host. 10 l. 27cm. n. p., 1944.
Forms No. 98, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

Hayakawa, K., Takegawa, S., & Muro, Y. On the trombidiosis (skin inflammation caused by kedani) in the southern tropical areas. 13 l. 27cm. n. p., 1945.
Forms No. 114 of preceding Proj. Rep.

Hayakawa, K., Tanaka, I. [et al.] On the relationship between the tropical tsutsugamushi disease vector (Trombicula) and the host rat. Pt. 1: Research on the Malaya Trombicula. 37 l. 27cm. n. p., 1944.
Forms No. 95 of preceding Proj. Rep.

Hokari, K. On the tropical tsutsugamushi disease occurring in the suburbs of Singapore in June 1944. Pt 3: Experiments on the Trombicula vector. 9 l. 27cm. n. p., 1945.
Forms No. 109 of preceding Proj. Rep.

Takegawa, S. Research concerning infection process of tropical tsutsugamushi disease in Java. Pt. 3: Research on the tropical tsutsugamushi disease vector (Trombicula) in Java. 20 l. 27cm. n. p., 1945.
Forms No. 103 of preceding Proj. Rep.

Breuckmann, H. Die Trombidiose, eine spätsommerlich Hauterkrankung durch Herbstmilbenbefall. Deut. Militärarzt, 1943, **8**: 632–4.—**F., D. S.** The origin of mite infections in epidemics of tsutsugamushi disease. Bumed News Lett., Wash., 1944, **4**: No. 10, 4.—**Philip, C. B., & Woodward, T. E.** Tsutsugamushi disease (scrub or mite-borne typhus) in the Philippine Islands during American reoccupation in 1944–45; observations on trombiculid mites. J. Parasit., Lanc., 1946, **32**: 502–13.—**Weigel, J. E.** Chigger and jigger bites. Mil. Surgeon, 1942, **90**: 189–96. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 511–8.

TROOP carrier.

See **Airborne troops; Air travel; Division,** airborne.

TROOP movement.

See also **Amphibious warfare; Motorization; Motorized warfare; Smoke; Transport; Transportation; Vehicle.**

King, W. V. Some entomological aspects of troop mobilization. J. Econom. Entom., 1943, **36**: 577–80.—**Mitchell, R. B.** The study of the bacteriology and epidemiology of troop train movements. News Lett. AAF Rheumat. Fever Control, 1945, **2**: No. 5, 3–6.

TROPACOCAIN.

See also **Surgical technic,** Anesthetization, local.

Riva, G. Paralisi dell'abducens da rachianestesia tropacocainica. Ann. med. nav., Roma, 1926, **1**: 39–43.—**Schlanger, S.** [Refractometric determination of chlorohydrate of tropacocaine] Voj. san. glasnik, 1937, **8**: 633–6.

TROPICAL disease.

See also **Dermatophytosis,** tropical; **Dermatosis,** tropical; **Desert sore; Diphtheria,** epidemiology; **Naga sore; Tropical ulcer.**

REGAN, J. W. Malaria and other tropical diseases of military importance. 14 l. 32cm. West Point, 1948.
Forms Lect. 6, Dep. Mil. Hyg. U. S. Mil. Acad.

UNITED STATES. ARMY EPIDEMIOLOGICAL BOARD. COMMISSION ON TROPICAL DISEASES. Report. Wash. (1943/44) 1944–

Bermúdez, M. Importancia de las enfermedades tropicales en la guerra y en la paz. Rev. san., Madr., 1947, **21**: 1133–8.—**Bingham, E. M.** Tropical diseases; etiology and epidemiology. West Virginia M. J., 1944, **40**: 355–61.—**Bock.** Zur militärischen Bedeutung der Tropenkrankheiten. Veröff. Marine San., 1942, H. 34, 106–22.—**Bruce, C.** Some imperial aspects of the study of tropical medicine. J. R. Army M. Corps, 1908, **11**: 164–9.—**Crane, C. J.** Tropical infection. J. Mil. Serv. Inst. U. S., 1908, **42**: 300–3.—**Doull, J. A.** Unseen allies of Haile Selassie. Bull. Acad. M. Cleveland, 1935, **19**: No. 11, 7; 15.—**Farquhar, L. R.** Tropical diseases. In: Advance. Mil. Med., Bost., 1948, **1**: 65–72.—**Faust, E. C.** Discase in the tropical war zones. Gastroenterology, 1943, **1**: 995–1012.—**Gerards, J. C.** Tropical fevers of short duration; conclusions. J. R. Nav. M. Serv., 1930, **16**: 117–9.—**Getting, V. A.** Tropical disease and global war. Am. J. M. Sc., 1944, **207**: 404–13.—**Great Britain.** War Office. Memoranda on medical diseases in tropical and sub-tropical areas, 1942. Trop. Dis. Bull., Lond., 1943, **40**: 343 (Abstr.)—**Hukada, M.** Nettai oyobi a-nettai tiiki ni okeru situbyō no bibōroku [Memoranda on medical diseases in tropical and subtropical areas] Gun idan zassi, 1943, 343; passim.—**Latyshev, N.** Tropićeskie bolezni. In: Enciklslovar voen. med., Moskva, 1946–48, 5: 542–7.—**Lincicome, D. R.** Some tropical diseases and the present war. Kentucky M. J., 1943, **41**: 258–64.—**Little, J. L.** Canada and tropical disease. Canad. J. Pub. Health, 1943, **34**: 360–3.—**Mackie, T. T.** War and the migration of tropical diseases. J. Am. M. Ass., 1943, **122**: 1–4.—**Meleney, H. E.** The problem of certain tropical diseases in the war. N. England J. M., 1942, **227**: 159–62.—**Napier, L. E.** The rickettsia diseases; yellow fever; dengue and sandfly fever. N. Orleans M. & S. J., 1944–45, **97**: 108–12.—**Notes** on certain tropical diseases. Circ. Lett. Surgeon Mediterr. Theater U. S. Army, 1945, No. 18, 1–5.—**Simmons, J. S.** Future implications of the Army's wartime experience with tropical diseases. North Carolina M. J., 1946, 7: 291–6.—**Todd, K. W.** European into coolie; P. o. W. adapt themselves to the tropical villagers' diseases. J. R. Army M. Corps, 1946, **86**: 179–85.—**Tropical** diseases in war. Med. Press & Circ., Lond., 1943, **210**: 33: 49.

—— Clinical aspect.

Fulton, M. N. Some of the late clinical aspects of campaign acquired tropical diseases. Rhode Island M. J., 1947, **30**: 21–4.—**Gerards, J. C.** Fièvres tropicales de courte durée. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 111–34.—**La Pietra, V.** Importanza della malaria recidivante e latente in chirurgia di guerra. Ann. med. nav., Roma, 1943, **49**: 273–82.—**MacArthur, W. P., Dudley, S. F., & Whittingham, H. E.** Tropical fevers of short duration. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 105–11. Also J. R. Nav. M. Serv., 1930, **16**: 113–7.—**Stern, F. H.** A soldier's letter [tropical civilian medicine by a military surgeon; lists of cases encountered] Hahnemann. Month., 1944, **79**: 131–5.

—— Control and prevention.

Agramonte Guzman, G. Los problemas sanitarios de los trópicos. Rev. san. mil., Habana, 1939, **3**: 253–7.—**Baty, J. B.** Role of auxiliary medical services in the control of tropical diseases. Mil. Surgeon, 1947, **101**: 133–9.—**C., L. T.** Marine Corps reconditioning center for patients with chronic malaria or filariasis. Bumed News Lett., Wash., 1944, **4**: No. 3, 19–21.—**Carballeira, J. C.** The tropical diseases from the standpoint of a medical officer of the United States Army. Mil. Surgeon, 1939, **85**: 522–8.—**McCoy, O. R.** Precautions by the Army to prevent the introduction of tropical diseases. Am. J. Trop. M., 1946, **26**: 351–5.—**Médicos** (Los) militares norteamericanos combaten las enfermedades tropicales. Scm. méd. españ., 1943, **6**: pt 2, 76–8.—**Notes** on the treatment and control of certain tropical diseases. Army M. Bull., 1941, No. 58, 100–40.—**Protect** (To) health of Army in case it goes to tropics. Science News Lett., 1940, **38**: 260.—**Satvisky, S. E.** Personal hygiene is Marine weapon against tropical disease. Illinois M. J., 1943, **83**: 293.—**Simmons, J. S.** The prevention of malaria in the U. S. Army. Tr. Ass. Am. Physicians, 1944, **58**: 62–6. ——— Progress in the Army's fight against tropical diseases. Centaur, Menasha, 1945–46, **51**: 13–20.—**Spread** (The) of tropical disease in war time; the importance of environmental hygiene. J. R. Inst. Pub. Health, 1943, **6**: 173–8.

—— Diagnosis.

Bennett, R. A. The differential diagnosis of prolonged pyrexia in India. J. R. Army M. Corps., 1938, 71: 23–30.—**Del Favero, E.** Il quadro ematologico come criterio differenziale diagnostico delle piu importanti malattie esotiche [Blood picture in differential diagnosis in the most important tropical diseases] Ann. med. nav., Roma, 1928, **34**: pt **1**, 150–9.—**Kaufmann, W.** Diagnosis and management of certain tropical diseases in returning veterans. N. York State J. M., 1946, **46**: 290–8.—**Manson-Bahr, P.** Diagnosis and treatment of the main tropical diseases contracted during the course of this war. Tr. M. Soc. London, 1943–46, **64**: 227–38.—**Mühlens, P.** Diagnostische Irrtümer bei Schiffs- und Tropenkrankheiten. Deut. Militärarzt, 1937, **2**: 101–4.—**Zinneman, H. H.** The medical history of a Pacific veteran. Nebraska M. J., 1946, **31**: 180–3.

—— Disability.

Limited-duty personnel; malaria and filariasis. Bumed News Lett., Wash., 1944, **3**: No. 12, 27–30.—**Sapero, J. J.** Tropical diseases as a cause of manpower loss in military operations. Mil. Surgeon, 1950, **106**: 111–4.—**Schlosser, M.** Zur Wehrdienstbeschädigung-Frage der Tropenkrankheiten. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 112–9; 2. Aufl., Dresd., 1944, 117–25.—**Tropical** disease and future service. Bull. Army M. Dep., Lond., 1944, No. 34, 5.

—— Incidence.

JAÏS, L. *Les maladies coloniales en France avant et après la guerre; leur influence sur la morbidité générale plus particulièrement à Paris et dans le Département de la Seine. 58p. 8° Par., 1928.

Ashburn, P. M., & Craig, C. F. The work of the Army Board for the Study of Tropical Diseases in the Philippine Islands. Mil. Surgeon, 1907, **21**: 38–49. ——— Observations made during a visit to Japan by the United States Army board for the Study of Tropical Diseases as they exist in the Philippine Islands. Ibid., 1908, **22**: 116–36.—**Ashburn, P. M., Vedder, E. B., & Gentry, E. R.** Quarterly report of the Board for the Study of Tropical Diseases as they exist in the Philippine Islands, Mar. 31, 1912. Ibid., 1912, **31**: 438–45.—**Brady, F. J.** Tropical diseases. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 90–4.—**Bulmer, E.** A survey of tropical diseases as seen in the Middle East. Tr. R. Soc. Trop. M. Hyg., Lond., 1943–44, **37**: 225–42.—**Cazanove.** Les fièvres tropicales de courte durée dans les colonies françaiscs. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 73–8.—**Chamberlain, W. P., Bloombergh, H. D., & Kilbourne, E. D.** The work of the Board for the Study of Tropical Diseases in the Philippines. Mil. Surgeon, 1910, **27**: 149–64. ——— Report of the Board for the Study of Tropical Diseases in the Philippine Islands, quarter ending Sept. 30, 1910. Ibid., 1911, **28**: 7; 180; 445.—**Clayton, F. H. A.** Incidence of tropical diseases among naval men stationed in warm climates. Tr. Bombay M. Congr., 1909, 392–7.—**Fairley, H.** Tropical diseases with special reference to malaria in the eastern theatres of war. In: Interallied Conf. War Med. (1942–45) 1947, 88–97.—**Faust, E. C.** Disease in the tropical war zones; the diseases of the Mediterranean Basin and of Tropical Africa. Gastroenterology, 1944, **2**: 13–31. ——— The diseases of the Middle East, India, Assam and Burma. Ibid., 395–411. ——— The diseases of the Far East, Southwest and South Pacific. Ibid., **3**: 163–87.—**Fischer, O.** Tropenkrankheiten im gegenwärtigen Kriege. Med. Klin., Berl., 1940, **36**: 425–8.—**Gavazzeni, M.** Le febbri a tipo ricorrente riscontrabili nelle nostre colonie dell'Africa orientale. Gior. med. mil., 1935, **83**: 1056–9.—**Giunta, G.** Sopra alcune febbri endemiche della costa dell'Oltregiuba. Ann. med. nav., Roma, 1935, **41**: pt 2, 493–511.—**Kaganov, I. A.** Kharakteristika tećenija maljarii v uslovijakh voennogo vremeni. Voen. med. J., Moskva, 1947, No. 9, 17–22.—**Marble, A.** Tropical disease as seen in an Army general hospital in the zone of the interior. Air Surgeon Bull., 1945, **2**: 413.—**Mathieson, D. R.** The present status of tropical and exotic diseases among servicemen. J. Lancet, 1947, **67**: 37–40.—**Miller, A.** The distribution and epidemiology of important tropical diseases of the war areas. N. Orleans M. & S. J., 1944–45, **97**: 93–7.—**Nakamura, M.** Senzyō to malaria [The battlefield and malaria] Tōzai igaku, 1941, **8**: 680–2.—**Phalen, J. M., & Kilbourne, E. L.** The work of the Board for the Study of Tropical Diseases in the Philippines. Mil. Surgeon, 1910, **27**: 51–61.—**Phalen, J. M., & Nichols, H. J.** The work of the Army Board on Tropical Diseases as they exist in the Philippine Islands. Ibid., 1909, **24**: 132; **25**: 458.—**Sacquépée & Cristau.** Les fièvres tropicales de courte durée dans le bassin méditerranéen. Off. Rep. Internat. Congr. Mil. M. Pharm., 1929, 5. Congr., 71.—**Saitō, T.** Tropical fevers of short duration in Japan. Ibid., 80–3.—**Schmitter, F.** Quarterly report of the Board for the Study of Tropical Diseases as they exist in the Philippine Islands. Mil. Surgeon, 1914, **34**: 222–8.—**Szulc, G.** Zimnica a wojna. Lek. wojsk., 1921, **2**: 685–92.—**Trager, W.** The rate of asymptomatic malarial infection in white and Negro service troops taking suppressive atabrine. Am. J. Hyg., 1947, **46**: 336–40.

—— Pathology.

See also **Respiratory system,** Disease: Etiology.

Choisser, R. M. Pathology in the tropics; a study based on the review of 700 consecutive autopsies in Haiti. U. S. Nav. M. Bull., 1929, **27**: 551–68, 8 pl.

—— Public health aspect.

Anderson, G. W. Military diseases in civilian life; preventive procedures and practical suggestions. Minnesota M., 1946, **29**: 1105–7.—**Cameron, T. W. M.** The possible transfer of

tropical disease due to war conditions. Canad. M. Ass. J., 1943, **49**: 273–9.—**Chesterman, C. C.** Tropical diseases as an aftermath of war. J. Trop. M. Hyg., Lond., 1949, **52**: 155–7.—**Coggeshall, L. T.** Malaria and filariasis in the returning serviceman. Am. J. Trop. M., 1945, **25**: 177–84.—**Dieuaide, F. R.** Wartime experiences with tropical diseases and their future significance. Tr. Ass. Life Insur. M. Dir. America (1946) 1947, **30**: 220–38.—**Faust, E. C.** For medical aftermath of global war. Mod. Hosp., 1943, **61**: No. 3, 108–12.—**Florio, L.** The introduction of exotic diseases into the United States. Rocky Mountain M. J., 1944, **41**: 643–7.—**Germain, W. M.** Exotic diseases in returning servicemen. Cincinnati J. M., 1945–46, **26**: 515–24.—**Grant, W. H.** Tropical diseases after the war; diagnosis and control. J. Nat. M. Ass., N. Y., 1944, **36**: 196–8.—**Greene, J. A.** Tropical diseases in Iowa in the postwar era. J. Iowa M. Soc., 1943, **33**: 455–60.—**Hammon, W. M.** The present importance of tropical diseases. California West. M., 1944, **61**: 145–9.—**Harrell, G. T.** Tropical diseases in the returning soldier. North Carolina M. J., 1944, **5**: 416–21.—**Hutchison, J. H.** Tropical and subtropical diseases in discharged service men. Med. World, Lond., 1945–46, **63**: 649–54.—**Kagy, E. S.** Problems in tropical medicine and parasitology among returnees from World War II. Mississippi Doctor, 1946–47, **24**: 99–104.—**Knies, P. T.** The hazards of tropical diseases as a result of World War II. Ohio J. Sc., 1946, **46**: 219–22. Also Ohio M. J., 1946, **42**: 721–4.—**Lichtwardt, H. A.** Tropical diseases in America after the war. J. Michigan M. Soc., 1945, **44**: 382, &c.—**Little, J. L.** Canada and tropical disease. J. Canad. M. Serv., 1943–44, **1**: 5–8.—**Mackie, T. T.** Tropical diseases, a postwar health problem. N. York State J. M., 1943, **43**: 1509–13. ——— Tropical disease problems among veterans of World War II; preliminary report. Tr. Am. Clim. Clin. Ass. (1947) 1948, **59**: 108–21. ——— **& Sonnenberg, B.** Tropical disease problems among veterans of World War II. Am. J. Trop. M., 1949, **29**: 443–51.—**Manson-Bahr, P.** Effects of tropical diseases on the ex-service man. Nurs. Times, Lond., 1946, **42**: 571.—**Meleney, H. E.** Public health implications of tropical and imported diseases; public health aspects of certain other diseases to which our military forces may be exposed. Am. J. Pub. Health, 1944, **34**: 20–6. ——— Problems of treatment of tropical diseases in returning military personnel. N. York State J. M., 1944, **44**: 2105–8.—**Michael, P.** Hazards of tropical diseases. Bull. Am. Coll. Surgeons, 1943, **28**: 154–6.—**Napier, L. E.** Tropical diseases in the war areas with special reference to the returning soldier. Bull. Tulane M. Fac., 1943–44, **3**: 17–25.—**Reed, A. C.** Tropical diseases menace United States at war. Stanford M. Bull., 1942–43, **1**: 169–71. ——— War menace of tropical diseases. California Health, 1943, **1**: 55.—**Rotkow, M. J.** Tropical diseases in returning military personnel. J. Iowa M. Soc., 1946, **36**: 98–102.—**Russell, P. F.** Malaria in returning service personnel. Ibid., 1945, **35**: 247–53.—**Sapero, J. J.** Tropical diseases in veterans of World War II. N. England J. M., 1946, **235**: 843–6.—**Sawyer, W. A.** The introduction of tropical diseases other than malaria into the United States after the war. J. Nat. Malaria Soc., 1944, **3**: 115–20.—**Shattuck, G. C.** Tropical diseases in returning soldiers. N. York State J. M., 1945, **45**: 2291–4. ——— Postwar tropical diseases in the United States. Med. Clin. N. America, 1946, **30**: 998–1008.—**Shookhoff, H. B., & Sutliff, W. D.** Tropical diseases found in veterans. N. York State J. M., 1947, **47**: 1127–30.—**Simmons, J. S.** Wartime importance of tropical diseases. Sc. Month., 1944, **59**: 405–13.—**Skinner, G. A.** Exotic diseases and returned veterans. Clin. Med., 1945, **52**: 324–6.—**Tropical** diseases during and after the war period. Newslett. Massachusetts Dep. Pub. Health, 1943, **8**: No. 3, 1.—**Tropical** diseases in the postwar period. Statist. Navy M., 1949, **5**: No. 9, 8–10.—**Tropical** diseases in returning military personnel. J. Am. M. Ass., 1943, **123**: 1052.—**Turnbull, H. H.** Tropical diseases in returned soldiers. Med. J. Australia, 1944, **2**: 397–401.—**War** and post-war diseases, with emphasis on the tropics. R. N., Rutherford, 1943–44, **7**: 34; passim.—**Will** tropical diseases be brought back by returning soldiers? S. Afr. M. J., 1945, **19**: 427.—**Wynns, H. L.** The danger to civilian populations on the Pacific Coast from mosquito-transmitted infections in returning military personnel. Proc. California Mosquito Contr. Ass., 1944, **13**: 22–9.—**Wyrens, R. J.** Tropical disease in discharged military personnel; malaria. Nebraska M. J., 1946, **31**: 184.

—— Treatment.

United States. War Department. Surgeon General's Office. Circular letter No. 33: Treatment and control of certain tropical diseases. 44p. 23cm. Wash., 1943.

Anderson & De Graff. Chemotherapy of tropical diseases, including amebiasis, leishmaniasis, schistosomiasis, and filariasis. Res. Program U. S. Army M. Res. Bd, 1946, July, 39–55.—**Center** for treatment of tropical diseases. Bull. U. S. Army M. Dep., 1944, No. 81, 10.—**Kikuth, W.** Remedies for tropical diseases. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 37–40.—**McCommons, D. M.** Nursing care with tropical diseases. Med. Bull. U. S. First Army, 1949, **4**: 6–12.—**Notes** on the treatment and control of certain tropical diseases [Circular letter No. 56, from the Office of the Surgeon General, War Department] War Med., Chic., 1941, **1**: 539–68.

TROPICAL eosinophilia.

See **Eosinophilia**; also **Lung disease**, Infarction.

TROPICAL fatigue.

See also **Fatigue.**

Macpherson, R. K. General aspects of tropical fatigue as seen in RAAF ground crew. 12p. 34cm. Brisbane, 1945.

Forms No. 3, Open Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia.

TROPICAL medicine.

See also **Environmental hygiene [and medicine]**

Duncan, G. G. From the Pennsylvania Hospital overseas; introduction. Med. Clin. N. America, 1944, **28**: 1435.—**Hillman, C. C.** Observations on tropical medicine in the United States Army. J. Michigan M. Soc., 1945, **44**: 165–70.—**Raven, C.** Tropical medicine and World War II. Med. Women J., 1948, **55**: No. 6, 19–23.—**Rice, J. B.** Tropical medicines and other medical subjects in Germany. CIOS Rep., Lond., 1945, Item 24, No. XXIX–35, 1–28.—**Simmons, J. S.** The Army's new frontiers in tropical medicine. Ann. Int. M., 1942, **17**: 979–88. ——— Tropical medicine and the challenge of global war. Am. J. Trop. M., 1947, **27**: 1–9. Also Spanish transl., Med. col., Madr., 1948, **11**: 406–17.—**Swartzwelder, J. C.** Tropical medicine in the war. J. Louisiana Univ. School M., 1945–46, **7**: No. 8, 8–10.—**Tropical** medicine specialists [U. S. Army] J. Am. M. Ass., 1943, **121**: 55.—**Wenyon, C. M.** Tropical medicine in war and peace. Tr. R. Soc. Trop. M. Hyg., Lond., 1945–46, **39**: 177–94. Also Brit. M. J., 1945, **2**: 774–6.—**Ziemann, H.** Militärarzt und Tropen-Medizin. Deut. Militärarzt, 1936, **1**: 67–74.

—— Congresses.

Pérez Ara, A. El tercer Congreso internacional sobre medicina tropical y malaria. p. 72–169. 24cm. La Habana, 1939.

Rev. san. mil., Habana, 1939, **3**:

Fitz-Patrick, G. Report of the First International Congress of Tropical Medicine and Hygiene and the Centenary Celebration of the Faculty of Medicine, Cairo, Egypt, December 15 to December 22, 1928. Mil. Surgeon, 1929, **45**: 25–30.—**International** (Fourth) congresses on tropical medicine and malaria. Bull. U. S. Army M. Dep., 1948, **8**: 571–4.—**Mackenzie, E. F. W.** Report on the Third international congress on tropical medicine and malaria, Amsterdam, 1938. J. R. Army M. Corps, 1939, **73**: 166; 229.

—— Essays.

Krüger. Aerztlicher Bericht aus Liberia (Westafrika) Deut. Militärarzt, 1939, **4**: 70–8.—**Poynton, J. O.** Warfare and tropical medicine. Med. J. Australia, 1941, **1**: 373–7.—**Reed, E. U.** Medical observations in the tropics. U. S. Nav. M. Bull., 1934, **32**: 463–7.

—— History.

Lehmensick, R. Deutsche Wissenschaftler als Kolonialpioniere; der Anteil Deutschlands an der Erforschung der Tropenkrankheiten. 18p. 21cm. Bonn, 1940.

Forms No. 24, Kriegsvortr. Univ. Bonn.

Farrell, E. Recent progress in tropical medicine. U. S. Nav. M. Bull., 1940, **38**: 80–90.—**Faust, E. C.** Tropical medicine in the United States as a result of the war. N. Orleans M. & S. J., 1944–45, **97**: 93.—**Fróes, H. P.** Influência do estado de guerra na evolução dos conhecimentos científicos, no domínio das chamadas doenças tropicais. An. Fac. med. Bahia (1944–45) 1946, **4**: 153–71.—**Grixoni, G.** Il contributo speciale dei medici e dei veterinari militari allo sviluppo della patologia coloniale. Gior. med. mil., 1928, **76**: 622–33.—**Meleney, H. E.** Tropical medicine in United States military history. Bull. N. York Acad. M., 1942, **18**: 329–37. ——— Tropical medicine during and after the war. J. S. Carolina M. Ass., 1944, **40**: 6–10.—**Pezzi, G.** I grandi navigatori del cinquecento e gli albori della medicina tropicale. Ann. med. nav., Roma, 1949, **54**: 513–8, 3 pl.—**Scott, H. H.** The Army. In his Hist. Trop. M., Balt., 1939, **1**: 38–61.

—— Instruction.

Adriani, P. Een leerstoel voor tropische pathologie, therapie en nosologie. Ned. mil. geneesk. arch., 1899, **23**: 439–46.—**Course** in tropical medicine and hygiene, London, England. Bumed News Lett., Wash., 1947, **9**: No. 13, 26.—**Goodhue, E. S.** A Honolulu School of Tropical Medicine: the life history of an idea. Mil. Surgeon, 1908, **22**: 380–9.—**Kamalov, N. G.** Podgotovka kadrov na baze kafedry tropićeskikh zabolevanij instituta usoverśenstvovanija vraćej Narkomzdrava Gruzinskoj SSR gody Otećestvennoj vojny, 1941–45. Med.

parazit., Moskva, 1945, **14**: No. 6, 81.—**London** School of Hygiene and Tropical Medicine incorporating the Ross Institute; report of the work of the school for the year 1937–38. J. R. Army M. Corps, 1939, **72**: 183–6.—**Phalen, J. M.** The teaching of tropical medicine. Mil. Surgeon, 1908, **23**: 290–7.—**S., D. F.** Re-orienting the medical mind for tropical disease practice. Bumed News Lett., Wash., 1944, **4**: No. 3, 17.

—— Manual.

GERMANY. OBERKOMMANDO DER WEHRMACHT. Merkblatt 53/4: Der Arzt in warmen Ländern, vom April 1944. 168p. 21cm. Berl., 1944.

GREAT BRITAIN. WAR OFFICE. Memoranda on medical diseases in tropical and subtropical areas, 1930. 5. ed. 300p. 12° Lond., 1930. Also 6. ed. 282p. 18½cm. Lond., 1941. Also 1. Am. ed. 282p. 22½cm. Brooklyn, 1942. Also 7. ed. 305p. 22cm. Wash., 1943. Also 8. ed. 396p. 22cm. Lond., 1946.

MIKI, Y. Eisei-bu syōkō netti eisei tyūi-syo. 168p. 13cm. Tokyo, 1940.
Forms v. **96**, Tyūi-syo Imu-kyoku Rikugun-syō.

UNITED STATES. AIR FORCE. ARCTIC, DESERT AND TROPIC BRANCH. Notes on tropical diseases for Air Corps medical officers. 30p. 27cm. N. Y., 1943. Also another edition. 15 pts. 27cm. Orlando, 1944.

—— naval.

UNITED STATES. NAVAL MEDICAL SCHOOL. Notes on the diagnosis, treatment, and control of tropical and exotic diseases of naval importance. Revised to October, 1942. 73p. 27cm. Bethesda, 1942.

—— [The same] ... Revised to August 1943. 82p. 27cm. Bethesda, 1943.

—— [The same] ... Rev. Feb. 1945. 107p. 26cm. Bethesda, 1945.

Kindleberger, C. P. The United States Naval Station, Olongapo, Philippine Islands, its location, climate and diseases. Mil. Surgeon, 1908, **22**: 308–16.—**McIntire, R. T.** Tropical medicine in the Navy. Am. J. Trop. M., 1943, **23**: 141–6.—**Martini, E.** Das Institut für Schiffs- und Tropenkrankheiten in Hamburg. Zschr. Desinfekt., 1930, **22**: 457–62.—**Scott, H. H.** The Navy and mercantile marine. In his Hist. Trop. M., Balt., 1939, **1**: 9–37.—**Tropical** medicine. U. S. Nav. M. Bull., 1942, **40**: 727.

—— Research.

Brug, S. L. Jaarsverslag van het Centraal Militair Geneeskundig Laboratorium over het jaar 1919. Geneesk. tschr. Ned. Indië, 1920, **60**: 586–611.—**Katurada, F., Yosino, M., & Isimitu, K.** Organization for research work in ships and tropical diseases in Japan. Tr. Far East. Ass. Trop. M., (1927), 1928, **1**: 660–3.—**Meleney, H. E.** Wartime tropical medicine activities of the National Research Council. Am. J. Trop. M., 1945, **25**: 63–5.—**Study** (The) of tropical disease: scheme for Indian research. J. R. Army M. Corps, 1906, **7**: 302–4.—**Wartime** research in tropical diseases. Brit. M. J., 1946, **2**: 787.

TROPICAL service.

See also **Desert; Ration,** combat.

Dados (Alguns) para o estudo do equipamento, alimentação, etc., das tropas coloniais. Bol. Dir. serv. saúde mil., 1940, **3**: 332–44.—**DeNyse, W. J., & Johnson, M. H.** Problems of military forces in tropical areas. Contact, Pensacola, 1943, **3**: 151–5.—**Service** in the tropics. Bull. U. S. Army M. Dep., 1944, No. 82, 10–3.—**White** troops can be successfully employed in some of the worst African conditions. J. R. Inst. Pub. Health, 1941, **4**: 258.

—— Clothing.

WULSIN, F. R. Responses of man to a hot environment; a report on the principles which should govern the design of hot weather clothing and equipment. 61 l. 27cm. Wash., 1948.
Forms No. 139, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

A., L. L., & H., F. C. Wet clothing beneficial in a hot environment. Bumed News Lett., Wash., 1943, **2**: No. 3, 11.—**Afrika** Korps uniform. BIOS Final Rep., Lond., 1947, Item 24, No. 566, 19.—**Deterioration** of materiel in the wet tropics. Air Surgeon Bull., 1945, **2**: 82.—**Hutchinson, W. G.** The deterioration of material in the tropics. Sc. Month., 1946, **63**: 165–77.—**Physical** health in the tropics; clothing. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, June, 10.

—— Hygiene.

See also **Tropics.**

BURKE, E. T. Tropical tips for troops; or, How to keep fit in the tropics. 2. ed. 74p. 18cm. Lond., 1942.

GREAT BRITAIN. AIR MINISTRY. Health hints for warm climates; for all personnel proceeding to the tropics and subtropics. 24p. 22cm. Lond., 1943.
Air Min. Pamphl. 160.

UNITED STATES. AIR FORCE. ARCTIC, DESERT AND TROPIC INFORMATION CENTER. Informational bulletin. Ser. A, No. 9: Care of personnel in the wet tropics. 15p. 26cm. Eglin Field, 1943.

UNITED STATES. WAR DEPARTMENT. Health precautions for African and Asiatic countries along southern and eastern Mediterranean Sea, Red Sea, and Persian Gulf. 14p. 23cm. Wash., 1943.

—— Health precautions for Central and South Africa and West Coast of Africa. 20p. 23cm. Wash., 1943.

—— Health precautions for Central and South America and Caribbean area. 17p. 23cm. Wash., 1943.

—— Health precautions for Far East (Southern Asia, Eastern Asia, and Netherlands East Indies) 21p. 23cm. Wash., 1943.

WILSON, A. Rational advice to the military, when exposed to the inclemency of hot climates and seasons. 48p. 20½cm. Lond., 1780.

Adolph, E. F. Health in hot climates. Clin. Invest. Rep. (OSRD) Wash., 1945, No. 61, 3.—**Andruzzi, A.** Norme igieniche per chi si reca in Colonia. Ann. med. nav., Roma, 1937, **43**: pt 1, 438–48.—**General** information regarding tropical hygiene and living in the tropics. U. S. Nav. M. Bull., 1948, **48**: 258–62.—**James, E.** Naval hygiene in the tropics. Univ. Leeds M. Soc. Mag., 1937, **7**: 220–2.—**Lee, D. H. K.** Tropic climates and the soldier. Air Surgeon Bull., 1945, **2**: 210–2.—**Nauck, E. G.** Allgemeine Tropenhygiene. FIAT Rev., Wiesb., 1948, Trop. Med., 1–44.—**Raydt, H. E.** Ueber moderne militärische Expeditionshygiene in den Tropen. Deut. Militärarzt, 1940, **5**: 377; 429. Also Med. Klin., Berl., 1940, **36**: 1374 (Abstr.)—**Rodenwaldt, E.** Hygienische Betreuung europäischer Truppen in warmen Ländern. Ausländ. Deut. Medizinertreffen (1942) 1944, 1. Congr., 61–76. —— Tropenhygiene. In: Wehrhygiene (Handloser, S.) Berl., 1944, 419–27.—**Siler, J. F.** Military service in the tropics and its effect on health and efficiency. Mil. Surgeon, 1926, **59**: 1–27.—**Skelton, R.** Conservation of health in the tropics. Ibid., 1940, **87**: 459–63.—**Skin** fitness for tropical service. Bull. Army M. Dep., Lond., 1943, No. 30, 7.—**Walker, J. H. C.** The health of the young soldier in Singapore. J. R. Army M. Corps, 1929, **52**: 362–5.—**What** to take to the tropics; the practical angle. Army Officer, 1943, **20**: No. 10, 22.—**Zschucke, J.** Marineeigentümliche Tropenhygiene. In: Wehrhygiene (Handloser, S.) Berl., 1944, 456–63.

—— Medical aspect.

See also **Tropical disease; Tropical medicine.**

Cameron, K. The psychiatric aspects of tropical service in the navy. J. Ment. Sc., Lond., 1949, **95**: 133–9.—**Caughey, J. E.** Cerebral contusion; the aggravation of symptoms in soldiers serving in a tropical climate. N. Zealand M. J., 1941, **40**: 90–4.—**De Candole, C. A.** Oxaluria in a tropical station. J. R. Army M. Corps, 1937, **69**: 231–9.—**Health** of colonial troops. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 101–23.—**Hoesslin.** Ueber Darmkrankheiten der Soldaten in südlichem Klima und ihre Beziehung zur Ernährung. Deut. med. Wschr., 1941, **67**: 315–9.—**McCartney, J. L.** Neuropsychiatric and psychosomatic aspects of tropical diseases. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 618–31.—**MacLean, P. D., Moore, M., & Crocker, D.** Tropical psychiatry. Bull. U. S. Army M. Dep., 1945, **4**: 551–3.—**Mühlens, P.** Tropendienstfähigkeit. Deut. med. Wschr., 1940, **66**: 1045.—**Reese, J. M.** Some medical aspects of Trincomalee. J. R. Nav. M. Serv., 1939, **25**: 58–65.—**Science** and tropical warfare; the tropical scientific section. Austral. J. Sc., 1945–46, **8**: 65–8.—**Stalker, L. K.** Complaints referable to the gastro-intestinal tract in the tropics. Am. J. Digest. Dis., 1943, **10**: 362.—**Wexberg, L. E.** Neuropsychiatric disorders in the tropics. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 611–8.—**Zeitlin, H. B.** Dental study of U. S. soldiers in the tropics. Bull. U. S. Army M. Dep., 1945, No. 85, 113–8.

—— Medical care.

GERMANY. OBERKOMMANDO DER WEHRMACHT. Merkblatt 53/4: Der Arzt in warmen Ländern. 168p. 21cm. Berl., 1944.

Ashford, B. K. Notes on medical progress in Porto Rico. Mil. Surgeon, 1909, **25**: 725–7.—**Balfour, A.** Education of medical officers for service in the tropics. Lancet, Lond., 1928, **1**: 63; 117.—**Castellani, A.** Observações médicas nas tropas brancas, em campanhas tropicais e sub-tropicais. Bol. Dir. serv. saúde mil., 1946, **9**: 93–110.—**Hilldrup, D. G.** Experiences in establishing medical services in equatorial Africa. Mississippi Valley M. J., 1944, **66**: 37–43.—**Magee, J. C.** Military medical service with special emphasis on tropical diseases. Texas Rep. Biol. M., 1944, **2**: 3–21.—**Marques Pôrto, E.** Características sanitárias das campanhas na mata tropical. Rev. méd. cir. Brasil, 1944, **52**: 411–38.—**Martoglio, F.** Servizio sanitario militare in A. O. Atti Accad. med. lombarda, 1936, **25**: 169–211.—**Smart, A. G. H.** Some medical problems in the Colonies in wartime. Tr. R. Soc. Trop. M. Hyg., Lond., 1942–43, **36**: 319–38.

—— Physiology.

MACPHERSON, R. K., & LEE, D. H. K. Variations in human reactions to hot atmospheres as functions of temperature and humidity; preliminary report. 9 l. 34cm. Brisbane, 1946.

Forms No. 5, Open Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia.

PACE, N., CONSOLAZIO, W. V., & BEHNKE, A. R. Physiological observations made on men aboard ship during a shakedown cruise in tropical waters. 11p. 26½cm. Bethesda, 1945.

Forms Rep. No. 3, Res. Proj. X–205, U. S. Nav. M. Res. Inst.

PACE, N., FISHER, M. B. [et al.] A comparative study of the effect on men of continuous versus intermittent exposure to a tropical environment. 33p. 26½cm. Bethesda, 1945.

Forms Rep. No. 2 of preceding research project.

UNITED STATES. WAR DEPARTMENT. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC INFORMATION CENTER. Informational bulletin No. 10, 10 Feb. 1944: Living off the American tropics. 62p. 15½cm. N. Y., 1944.

Andruzzi, A. Brevi osservazioni sull'acclimatamento dei militari della R. Marina nelle regioni a clima torrido dell'A. O. I. Riv. med. trop., 1940, **4**: 55–8.—**Comparative** (A) study of the effect on men of continuous versus intermittent exposure to a tropical environment. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 13.—**Conn.** Salt conservation in acclimatized individuals. Bumed News Lett., Wash., 1944, **3**: No. 12, 12.—**Cordier, D.** Caractéristiques physiologiques des climats désertiques et tropicaux. In his Probl. méd. guerre, Montréal, 1943, 12–20. —— Nécessité de l'apport d'eau et de sel dans les pays à température élevée. Ibid., 29–34.—**Denhoff, E.** Hematologic values of American soldiers stationed in the tropics. J. Laborat. Clin. M., 1945, **30**: 874–82.—**Eggleton, W. G. E., & Campbell, J.** Nutrition in relation to tropicalization. Proc. Com. Nav. M. Nat. Res. Counc. Canada, 1945, 4. meet., 97.—**Ellis, F. P.** Effects of a tropical climate on men in warships. Brit. M. Bull., 1947, **5**: 13–9.—**Gordon, J. E.** Acclimatization, including water and salt requirements, of troops in hot climates. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 11, 3–9.—**Horster, H.** Hygienische Erfahrungen über Klimaeinwirkung bei militärischen Unternehmungen in heissen Zonen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 372–6.—**Johnson, R. E.** Tropical deterioration and nutrition; a discussion based on observations on troops. Proc. Internat. Congr. Trop. M., 1948, 4. Congr., **1**: 148–67. Also Abstr. Internat. Congr. Trop. M. Malaria, 1948, 4. Congr., 7.—**Kark, R. M., Aiton, H. F.** [et al.] Tropical deterioration and nutrition; clinical and biochemical observations on troops. Medicine, Balt., 1947, **26**: 1–40.—**Lattes, E.** Nota sulle variazioni della temperatura, del respiro, del polso e della pressione arteriosa nel passaggio da clima temperato a clima tropicale (Mar Rosso) Ann. med. nav., Roma, 1938, **44**: 233–7.—**Lendon, N. C.** Some preliminary observations on the effects of sustained muscular effort in a hot climate with especial reference to the loss of fluids and chlorides. J. R. Army M. Corps, 1938, **71**: 318–24.—**Macaulay, T. S.** European recruits for the tropics. J. Trop. M. Hyg., Lond., 1931, **34**: 237.—**MacPherson, R. K., & Lee, D. H. K.** The effect of tropical service upon some physical characters of RAAF ground crew [declass.] Secret Rep. Fatigue Lab. Nat. Health M. Res. Counc. Australia, 1945, No. 4, 1–4, 3 tab. —— The effect of tropical service upon some physical characters of RNZAF ground crew [declass.] Ibid., No. 5, 1–5, 3 tab.—**Marner, J.** Die klimatischen Bedingungen für die Siedlung von Nordeuropäern in den Tropen, dargestellt am Beispiel von Deutsch-Ostafrika. Deut. Militärarzt, 1940, **5**: 395 (Abstr.)—**Mills, C. A.** Diet and the enervating effects of tropical heat. Army M. Bull., 1937, No. 40, 86.—**Physical** health in the tropics; food and drink. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, Mar., 14–7.—**Physiological** observations made on men aboard ship during a shakedown cruise in tropical waters. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 10.—**Rogers, J. A.** Acclimatization, including water and salt requirements, of troops in hot climates. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 119, 1–6.—**Rush, A.** Study of Army diet in the tropics. Bull. U. S. Army M. Dep., 1944, No. 82, 43–54.—**Salt** and water requirements in hot climates. Bull. Army M. Dep., Lond., 1943, No. 21, 6. Also Bull. War M., Lond., 1942–43, **3**: 600 (Abstr.)—**Shelley, W. B., & Horvath, S. M.** The oral and rectal temperatures in hot environments. Bull. U. S. Army M. Dep., 1946, **5**: 459–61.—**Steuber, W.** Der Mensch und die Tropen; Sansibar [vor] fünfzig Jahren. In his Arzt & Soldat, Berl., 1940, 41–53.

TROPICAL surgery.

Love, R. J. M. Subtropical surgery. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 745–62; 2 ed., Balt., 1942, **2**: 869–87; 3. ed., Edinb., 1944, 967–87.—**Stutzin, J. J.** Tropenchirurgische Beobachtungen, besonders bei Kriegsverletzten. Duet. med. Wschr., 1917, **43**: 366.

TROPICAL typhus.

See **Rickettsiasis (orientalis)**

TROPICAL ulcer.

See also **Desert sore; Leishmaniasis; Naga sore.**

HEIDENREICH, L. L. Пендинская язва, тропическая язва; припадки и течение, распознавание, предсказание, причины, бактериологическія и микроскопическія изследования, лечение и предохранение войск от заболевания. 116p. 32½cm. S. Peterb., 1888.

UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Tropical ulcers and desert sores. Rev. ed. 5p. 27cm. Orlando, 1944.

Forms Pt 5, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F. U. S.

Arun Kumar Basu. Endemic tropical ulcers (Naga sores) among the coolie recruits in the jungles of Assam. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 46–51.—**Berger, R.** La gangliectomia lombo sacrale nel trattamento delle ulceri tropicali. Ann. med. nav., Roma, 1940, **46**: 329–35.—**Castellani, A.** Ulcera tropicale superficiale. Ibid., 1943, **49**: 321–36.—**Dolley, G. C.** The Blue button as undescribed type of tropical ulcer of the West Indies, with notes upon a diplococcus specific to the disease. Mil. Surgeon, 1914, **35**: 246–50.—**Franchi, F.** Sull'ulcera tropicale. Gior. med. mil., 1936, **84**: 945–62.—**Gelonesi, G.** L'ulcus tropicum della Somalia. Ann. med. nav., Roma, 1927, **2**: 140–64.—**Liebow, A. A. A., Bumstead, J. H.** [et al.] Tropical ulcers and cutaneous diphtheria. J. Mil. M. Pacific, 1945, **1**: No. 3, 5–32.—**Pontrandolfi, P.** L'ulcera dei tropici. Ann. med. nav., Roma, 1936, **42**: pt 2, 39–45.

—— Treatment.

Berger, R. La simpaticectomia periarteriosa nel trattamento delle ulceri tropicali. Ann. med. nav., Roma, 1939, **45**: 31–6.—**Castellaneta, V.** Il vaccino antistreptobacillare nella cura dell'ulcus tropicum. Gior. med. mil., 1938, **86**: 936–43.—**Cossio, A.** Simpatectomia periarteriosa nelle ulcere tropicali. Ann. med. nav., Roma, 1937, **43**: 545–50.—**Gordzialkowski, H.** Contribution to the therapy of tropical ulcer. Bull. Inst. Marine Trop. M., Gdańsk, 1948, **1**: 17–22.—**Gutch, C. F.** Local penicillin therapy for tropical ulcer. U. S. Nav. M. Bull., 1947, **47**: 801–4.—**Halpin, J. A.** A new method of treating tropical ulcers. Ibid., 1918, **12**: 80–4.—**Hamm, W. G., & Ouary, G.** Penicillin therapy in phagedenic ulcer (tropical sloughing phagedena) report of 18 cases. Ibid., 1944, **43**: 981–7.—**López, J.** Ulcera o grano del Chaco y su tratamiento en el ambiente militar. Rev. san. mil., B. Air., 1915, **14**: 516–21.—**McGill, A. F.** A survey of methods of treatment of tropical ulcers. J. R. Army M. Corps, 1943, **81**: 16–23.—**Markowitz, J.** A series of over 100 amputations of the thigh for tropical ulcer. Ibid., 1946, **86**: 159–70.—**Menghetti, A.** L'autoemoterapia dell'ulcera tropicale. Ann. med. nav., Roma, 1938, **44**: 328–36.—**Parri, W.** Osservazioni chimiche su un procedimento di terapia dell'ulcera tropicale. Gior. med. mil., 1936, **84**: 521–4.—**Scovel, R. E.** Surgical method of treating tropical ulcer. U. S. Nav. M. Bull., 1946, **46**: 439.—**Smyth, E. A.** The treatment of tropical ulcer. J. R. Army M. Corps, 1946, **87**: 141.—**Tey, A., Criscuolo, E., & Marhuenda, P.** El tratamiento de las ulceraciones tórpidas cutáneas por la vitamina C. Rev. san. mil., B. Air., 1942, **41**: 158–68.—**Treatment** of tropical ulcers with sulphanilamide powder. Bull. Army M. Dir., Lond.,

1941, No. 7, 1. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 23.—**Tropical** ulcers, with special reference to their treatment with penicillin. Bumed News Lett., Wash., 1944, 3: No. 9, 4–6.

TROPICS.

See also **Heat; Tropical disease.**

Johnson, L. W. Sanitary problems of a tropical advanced base. Mil. Surgeon, 1944, 94: 325–35.—**Problem** (A) of tropical sanitation. Bull. U. S. Army M. Dep., 1943, No. 69, 19.

TRUCK.

See also **Optical unit; Vehicle.**

United States. Armored Medical Research Laboratory. Project No. 5–12: Second partial report: Seating designing and placing in relation to fatigue; seats for truck (4 x 4) ¼ ton (peep) 2p. 28cm. Fort Knox, 1945. —— [The same] . . . Third partial report: . . . Seat cushions for truck (4 x 4) ¼ ton (peep) 2p. 28cm. Fort Knox, 1945.

—— Surgical truck.

See also **Equipment.**

Johnson, J. B., jr, & Wilson, G. H. Truck, 2½ ton, 6x6, surgical. p. 295–353. 24½cm. Wash., 1946.

In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946.

Fiolle, J. Les auto-chir et les progrès de la chirurgie de guerre. In his Essais chir. mod., Par., 1919, 121–46.—**Johnson, J. B.,** jr, & **Wilson, G. H.** Truck, 2½ ton, 6x6, surgical operating. In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946, 534; 636.—**New** front line surgical truck [Kirk] J. Am. M. Ass., 1944, 124: 780.—**Surgical** operating trucks take hospital to wounded soldiers. Ibid., 126: 107.—**Unit,** mobile surgical. Jap. M. Material Rep., 1946, No. 216, 1–38, 2 pl.—**Werthmann, H., & Teischinger, R.** Feldoperationswagen; vergleichende Darstellung der Feldbrauchbarkeit. Deut. Militärarzt, 1943, 8: 166–71. Also Vjschr. schweiz. Sanitätsoff., 1943, 20: 79 (Abstr.)

TRUNK.

See also **Thoracoabdominal injury.**

Bierman, H. R., Wilder, R. M., jr, & Hellems, H. K. The physiological effect of compressive forces on the torso. 10p. 27cm. Bethesda, 1946.

Forms Rep. No. 8, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

Chute, A. L., Cleghorn, R. A., & Lathe, G. H. Studies of bodily reactions to injury in battle casualties; physiological observations in casualties with wounds of limbs or trunk not penetrating the thorax or abdomen. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C. 6227b, 1–20, 12 tab. —— Observations following operation and typical histories of cases with wounds of extremities and trunk nor involving thorax or abdomen. Ibid., C. 6227c, 1–13, 2 tab.

TRYGON.

Demon of the warm seas. Bull. U. S. Army M. Dep., 1944, No. 77, 17.—**Schultz, L. P.** The stingarees, much feared demons of the seas. U. S. Nav. M. Bull., 1944, 42: 750–4.

TRYPAFLAVIN.

Monot. Prophylaxie des infections chirurgicales cérébroméningées par la trypaflavine. Bull. Soc. méd. mil. fr., 1938, 32: 450–3.—**Verfahren** zur Herstellung von Trypaflavin rein. CIOS Rep., Lond., 1945, Item 30, 8, 22, 24, No. XXV–26, 19–23.

TRYPANOSOMA.

Penso, G. Sul ciclo di sviluppo del Trypanosoma gambiense negli ospiti vertebrati. p. 25–77. 24cm. Roma, 1934.

Ann. med. nav., Roma, 1934, 40: pt 1.

Jacono, I. Osservazioni sui tripanosomi e proposta di una nuova classifica. Ann. med. nav., Roma, 1935, 41: pt 2, 1–18. —— Ulteriore contributo alla proposta di una nuova classifica dei tripanosomi. Ibid., 1937, 43: pt 1, 237–42, 3 pl.—**Reitani, U.** Ricerche sulla filtrabilità del Tripanosoma marocanum. Ibid., 1926, 2: 159–63.

TRYPANOSOMOSIS.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Trypanosomiasis. 7p. 27cm. Orlando, 1944.

Forms Pt 12, Notes Trop. Dis., Arctic Desert Trop. Br. A. A. F. U. S.

Bassett-Smith, P. W. A case of trypanosomiasis contracted in the Cameroons with calabar swellings associated with Filaria diurna and malaria. J. R. Nav. M. Serv., 1918, 4: 323.—**Frégonneau, W.** Trypanosomiasis. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 313–27.—**Hamerton, A. E.** Remarks on trypanosomiasis in relation to man and beast in Africa. J. R. Army M. Corps, 1931, 56: 161–6.—**Holden, J. R.** The diagnosis of trypanosomiasis in West Africa. Ibid., 1944, 82: 88–92.—**Kikuth, W.** Trypanosomiasis. CIOS Rep., Lond., 1945, Item 24, No. XXI11–12, 37.—**Lauzeral & Millischer.** Observation, à Beyreuth, d'un cas de trypanosomiase à forme méningée et à évolution latcnte très prolongée. Bull. Soc. méd. mil. fr., Par., 1934, 28: 84–7.—**Ruge, H.** Trypanosomenerkrankungen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 145–7.

—— African.

Dye, W. H. The relative importance of man and beast in human trypanosomiasis. J. R. Army M. Corps, 1928, 50: 184–95.—**Ensor, H.** A day's work on the Sudan Sleeping Sickness Commission. Ibid., 1914, 23: 31–5.—**Harvey, D.** Three years in Central Angoniland with the Sleeping Sickness Commission. Ibid., 1930, 54: 332–5.—**Maurice, G. K.** The history of sleeping sickness in the Sudan. Ibid., 55: 161; 241.—**Onís, J. M. de.** Enfermedad del sueño. Med. & cir. guerra, 1946, 8: No. 17, 19–41.—**Peruzzi, M.** Le forme cliniche della malattia del sonno. Ann. med. nav., Roma, 1931, 37: pt 1, 57–62.—**Simson, J. T.** Notes on the treatment of sleeping sickness in Yei Sleeping Sickness Camp, continued up to April 1915. J. R. Army M. Corps, 1915, 26: 428–30.

—— American.

Arana, M. A. La tripanosomiasis americana; hallazgo en Entre Ríos. Rev. san. mil., B. Air., 1935, 34: 310–22.—**Caballero, S. F.** Breve comentario sobre el cuadro hemático en la enfermedad de Chagas. Rev. san. mil. argent., 1948, 47: 473.—**Chamorro Leiva, A.** Un caso de enfermedad de Chagas en la zona de Encarnación. Rev. san. mil., Asunción, 1944, 225–7, pl.—**Faria, R., Vasconcellos, F., & Rosenfeld, G.** Contribuição ao estudo da doença de Chagas na 2. região militar. Rev. med. mil., Rio, 1948, 37: 229–50, 4 tab.—**González, G., Arce Queirolo y Bacter, A., & Rivarola, J. B.** Investigaciones sobre enfermedad de Chagas en el Chaco Paraguayo. Rev. san. mil., Asunción, 1940–42, 14: 477–518, 5 pl., 11 tab.—**Lobo Leite.** Bocio endémico y enfermedad de Chagas. Rev. san. mil., B. Air., 1942, 41: 751–3 (Abstr.)—**Packchanian, A.** Chagas' disease can happen here. Research Rev. (U. S. Navy) 1949, 1–5.—**Quiroz, J. D.** Tripanosomiasis americana; nuestra observación en el Gran Chaco paraguayo, a propósito del bocio (hipertrofia simple del tiroides) y su relación etiopatogénica con la enfermedad de Chagas. Rev. san. mil., Asunción, 1943, No. 137, 63–8. —— Tripanosomiasis americanas; contribución al conocimiento de la patogenía de las cicatrices blancas corneales, en los aborigenes del Chaco. Ibid., No. 138, 175.

—— in animals.

United States. Army. Philippine Division. Some communications concerning surra and investigations relative to it. MS. 35p. fol. n. p., 1900 [?]

Transl. from Veearts. bl. Ned. Indie, 15:

United States. War Department. Army Regulations No. 40–2130; Medical Department: Communicable diseases of animals, surra. 3p. 8° Wash., 1927.

Yasuda, S., Arai, K. [et al.] Uma Trypanosoma-syō no byōri-kaibō narabi-ni sosikigakuteki syoken; Trypanosoma evansi sessyu zikken ni tomonau byōrigaku-teki kenkyū [Pathoanatomical and histological observations on trypanosomiasis in the horse; pathological studies accompanying experiments in inoculation of Trypanosoma [evansi] p.245–82. 25cm. Tokyo, 1942.

In: Rikugun zyūidan hō, 1942.

Bardez. Contribution à l'étude de la trypanosomiase équine et bovine au Cameroun. Rev. vét. mil., Par., 1934, 18: 457–67.—**Bruce, D., Harvey, D.** [et al.] Trypanosome diseases of domestic animals in Nyasaland. J. R. Army M. Corps, 1914, 22: 487–98, illust.—**Cavalcanti Proença, M.** Apontamentos sobre a epizootologia da peste de cadeiras em Mato Grosso. Rev. mil. med. vet., Rio, 1939, 2: 1419–21.—**Chevret, Soulié** [et al.] La trypanosomose du cheval de Syrie. Rev. vét. mil.,

Par., 1937, 21: 95; 141.—**Domanský, F.** Změny v krevním obraze koní, stižených nákazou hřebčí. Voj. zdrav. listy, 1949, 18: 213–25.—**Faure.** Etude clinique d'une trypanosomiase équine. Rev. vét. mil., Par., 1928, 12: 133–56. ——— Etude expérimentale d'une trypanosomiase équine. Ibid., 229–49.—**Kelser, R. A.** The transmission of surra among equines. Mil. Surgeon, 1928, 62: 18-32.—**Mace, D. L., Ott, R. L., & Cortez, F. S.** Treatment of surra with para-arsenosophenylbutyric acid. Bull. U. S. Army M. Dep., 1949, 9: 387–91.—**Rivarola, J. B.** Periodicidad del Tripanosoma del mal de caderas en la sangre periférica. Rev. san. mil., Lima, 1935, 7: 16–8.—**Soldini, T.** Procédé pratique et rapide de diagnostic expérimental de la dourine. Rev. vét. mil., Par., 1929, 13: 425–35.—**Takehara, K., Narabasi, Y., & Okada, H.** Tyū-Si ni okeru Trypanosoma evansi to mitomu-beki gentyū no kontyū igai ni yoru kansen siken ni tuite (Experiments on infection with Trypanosoma evansi and with other insects than protozoa that should be recognized, in Central China) Rikugun zyūidan hō, 1942, 1130–6.—**Turgut Argun & Zeki Oktem** [Research work on trypanosomiasis in Turkey] Askerî tibbi baytarî mecmuası, 1937, 14: 369–80.

TSUTSUGAMUSHI.

See **Rickettsiasis (orientalis)**

TUBERCULIN BCG

See also **Tuberculosis,** Allergy; **Tuberculous,** Treatment, specific; **Tuberculous,** Vaccination.

Courcoux. Sur l'adoption des réactions tuberculiniques et l'emploi du BCG dans l'armée. Bull. Acad. méd., Par., 1946, 130: 363–5.—**Gines, A. B.** B. C. G. Rev. san. mil., Asunción, 1943, No. 139, 237–53.—**Grumbach, A.** Zur Theorie und Praxis der B. C. G.-Impfung. Vjschr. schweiz. Sanitätsoff., 1948, 25: 98–105.—**Reşat Riza** [Results of recent studies and research, conducted by Prof. Deyke from the termination of the trial until the end of the autumn of 1935, on the causes of accidents in application of Calmette's B. C. G. vaccine in Lübeck in 1930] Askerî sıhhiye mecmuası, 1937, 66: No. 19, 69–83.—**Sadik & Refik.** B. C. G. aşısının ihzarı [Preparation du vaccin B. C. G.] Askerî tibbi baytari mecmuası, 1929, 7: 280–8.—**Sansonnens, R.** Les techniques de vaccination par le B. C. G. Vjschr. schweiz. Sanitätsoff., 1948, 25: 59–78.

—— Preventive value.

See also **Tuberculosis,** Prevention; **Tuberculous,** Vaccination.

Blan, P., & Girard, J. Primo-infection tuberculeuse quelques mois après une prémunition par le B. C. G.; scarification. Bull. Soc. méd. mil. fr., 1949, 43: 123.—**Calmette, A.** Sur les conditions d'emploi du B. C. G. pour la prémunition des sujets adolescents ou adultes contre l'infection tuberculeuse. Arch. méd. pharm. mil., 1927, 87: 430–4.—**Cardis, F.** Le B. C. G., prémunition contre la tuberculose chez les jeunes adultes. Vjschr. schweiz. Sanitätsoff., 1948, 25: 57–9.—**Frappier, A., & Roland, G.** The development of allergy in the vaccinated by B. C. G. by scarification of multiple punctures. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 62.—**González, M. V.** Modificación del índice de tuberculización en estudiantes secundarios, por medio del B. C. G. Rev. san. mil., B. Air., 1940, 39: 1207–13. ——— Importancia de las modificaciones del índice de tuberculización conseguidas con el B. C. G. Ibid., 1214–6.—**Janović, S.** Kritički osvrt na kurs za uzdizanje trupnih lekara za antituberkuloznu službu na n. teritoriji. Voj. san. pregl., Beogr., 1949, 6: 432.—**Kostić-Joksić, S. A.** [New contribution to the study of B. C. G. vaccination of children] Voj. san. glasnik, 1936, 7: 261–7.—**Leon, A. E., & Cuba Caparó, A.** La vacunación por el B. C. G. en los institutos armados. Rev. san. mil., Lima, 1939, 12: 61–5.—**McKone, B.** Review of the literature on B.C.G. vaccine and a discussion of its present day value in protection against tuberculosis. Treatm. Serv. Bull., Ottawa, 1948, 3: 3–14.—**Marques Escobedo, M. B.** Vacunación preventiva de la tuberculosis con el B.C.G. Bol. san. mil., Méx., 1949, 2: 571–6.—**Quérangel des Essarts.** Etude des conditions d'application de la vaccination préventive de la tuberculose (B.C.G.) à certaines catégories du personnel adulte, dans la marine de guerre. Arch. méd. pharm. nav., 1933, 123: 478–88.—**Sergent, E.** Calmette e a premunição contra a tuberculose pela vacina BCG. Arq. brasil. med. nav., 1944, 5: 596–610.—**Stewart, C. B., & Beckwith, C. J. W.** Practical problems in a BCG vaccination program. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 8, 11.—**Suhateanu, C.** [B.C.G. vaccination in adults] Rev. san. mil., Bucur., 1932, 31: 263–5.—**Wolkowinski, F.** [Immunization of infants against tuberculosis with vaccines B.C.G.] Lek. wojsk., 1927, 9: 678–80.

TUBERCULIN test.

See also **Tuberculosis** subheadings (Allergy; Diagnosis; Survey)

Crosnier, R., & Pigache, R. Intérêt de la cuti-réaction à la tuberculine chez les jeunes soldats. Bull. Soc. méd. mil. fr., 1935, 29: 217–9.—**Gines, A. R.** Reacción tuberculínicas. Rev. san. mil., Asunción, 1943, No. 138, 137–48. ——— Interpretación de las reacciones tuberculínicas negativas. Ibid., 1944, No. 143, 271–7.—**Hamman, L. V.** The practical use of tuberculin in diagnosis. U. S. Veterans Bur. M. Bull., 1926, 2: 825–8.—**Sadeddin Yahar** [Tuberculin and tuberculin reactions] Askerî vet. mecmuası, 1939, 17: 103–17.—**Sánchez Acosta, R.** Cómo se hace y cómo se lee una prueba de tuberculina. Rev. san. mil., B. Air., 1944, 43: 516–23.—**Takada, R.** Kaigun syonen-hel ni okeru tuberculin-hannō to haizō roentgensyasin syoken to no taisyō-teki kansatu [Comparative observations on tuberculin reaction and the roentgenographic picture of the lungs in first-year naval recruits] Kaigun gun-ikai zassi, 1930, 19: 594–602.

—— Evaluation.

Friis Baastad, W. [Local tuberculin reaction] Norsk tskr. mil. med., 1926, 30: 25–34.—**Marmo, A.** Sul valore pratico delle prove con la tubercolina. Gior. med. mil., 1932, 30: 1–32.—**Ruzo, G., Bocalandro, C. A.** [et al.] Estudio comparativo de la reacción de Mantoux con tuberculina vieja y P. P. D. del Departamento nacional de higiene. Rev. san. mil., B. Air., 1940, 39: 1138–42.—**Salazar, M.** Valor diagnóstico de la tuberculina en el Ejército. Rev. san mil., Madr., 1929, 19: 353–6.—**Sayago, G., Bocalandro, C. A., & Criscuolo, E.** Pruebas tuberculínicas comparadas; parches tuberculínicos, cutirreacción y reacción de Mantoux. Rev. san. mil., B. Air., 1940, 39: 1231–6.—**Zeri, P.** Il valore della reazione di focolaio alla iniezione sottocutanea di tubercolina nella diagnosi delle affezioni tubercolari chirurgiche allo stato iniziale. Ann. med. nav., Roma, 1926, 1: 289–300.

—— Significance of positive test.

Brown, E. M. The diagnostic value of the cutaneous tuberculin test in recruiting. U. S. Nav. M. Bull., 1914, 8: 448–52.—**Cantani, A.** Sull'impiego delle reazioni tuberculiniche nei centri militari di accertamento diagnostico. Gior. med. mil., 1917, 65: 868–76.—**Franz, K.** Welche Bedeutung kommt der Tuberculinreaktion zu bei der Beurteilung der Diensttauglichkeit der Soldaten. C. rend. Congr. internat. méd. (1909) 1910, sect. 20, san. mil., 45.—**Harada, H., Kumagai, S., & Kayasima, K.** Tuberculin-hannō yōsei tenka to sono tyokugu no taikyō ni tuite [Ueber Körperzustände der Soldaten zu der Zeit, als ihre negative Manteausche Kutanreaktion in positive umschlägt] Kaigun gun-ikai zassi, 1937, 26: 437–53, pl.—**López, J. A.** Aplicación del método de las ultrapequeñísimas dosis de tuberculina, para la selección del conscripto. Prensa méd. argent., 1918–19, 5: 295–7. Also Rev. san. mil., B. Air., 1919, 18: 157–67.

—— Technic.

Carrón, R. Standardización de la reacción de Mantoux; las falsas reacciones. Rev. san. mil., B. Air., 1937, 36: 574–9.—**Gomez, F. D., Gines, A. R., & Bollini, D. R.** A propósito de la técnica para investigación del índice de tuberculinización. Rev. san. mil., Asunción, 1943, No. 137, 71–5.—**O'Rear, H. M.** Technic in the application of the intradermic tuberculin test. Vet. Bull., Carlisle, 1935, 29: 233–44.—**Salazar, M.** La reacción Pirquet aplicada a los reclutas del Ejercito y su técnica. Rev. san. mil., Madr., 1932, 22: 33–5.

TUBERCULOSIS.

See also **Disability,** Classification; **Lung disease,** Infiltration; **Respiratory system,** Disease: Incidence; **Silicosis.**

Akre, M. Tuberkulose og militaertjeneste. Tskr. Norske laegeforen., 1948, 68: 3–6.—**Antisepsia** y tuberculosis. Bol. farm. mil., Madr., 1924, 2: 14–6.—**Aycock, G. F.** Significance (the) of human tuberculous infection. Flight Surgeon Topics, 1937, 1: No. 4, 45–9.—**Basım, K.** Orduda tüberküloz mes'elesi ve bu hastalıkla savas. Askerî sıhhiye mecmuası, 1946, 75: No. 47, 44–56.—**Benson, R. A.** Tuberculosis. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 6, 65–9.—**Deist, H.** Tuberkulose. In: Wehrhygiene (Handloser, S.) Berl., 1944, 102–5.—**Ferreri, G.** Tubercolosi e lavoro. Ann. med. nav., Roma, 1921, 1: 334–45.—**Hernández, T.** El fantasma de la tuberculosis. San. mil., Habana, 1921–22, 1: 471–4.—**Klebs, A. C.** Tuberculosis and military organization. U. S. Nav. M. Bull., 1917, 11: 439–59.—**Le Bourdelles, A. C. B.** Revue de la tuberculose. Rev. Serv. san. mil., Par., 1936, 105: 357–87.—**Park, W. E.** History of tuberculosis. U. S. Veterans Bur. M. Bull., 1927, 3: 692–9.—**Paulino de Mello, L.** Tuberculose e fôrças armadas. Rev. med. mil., Rio, 1947, 36: 397–427.—**Renon, L.** A tuberculose. Rev. med. hyg. mil., Rio, 1921, 7: 488–94.—**Ribadeau-Dumas & Brissaud.** L'imprégnation bacillaire. J. méd. chir., Par., 1918, 89: 164–73.—**Walker, J. E.** Discases of the chest; tuberculosis. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 6, 46–62.—**Woll, M.** Opportunities and responsibilities. Dis. Chest, 1941, 7: 163–6.

—— Allergy.

See also **Tuberculin B C G; Tuberculin test.**

Gines, A. R., & Heikel, P. B. Reacciones de hipersensibilidad con exacerbación de focos tuberculosos ganglionares por intradermoreacción tuberculínica al milésimo. Rev. san. mil., Asunción, 1943, No. 136, 51–4.—**Kraemer, C.** Ist die Allergie oder die Anergie der Tuberkulösen das Nützlichere für den

Kriegsdienst? Beitr. Klin. Tuberk., 1916, **36**: 57–73.—**Lo Bianco, D.** I fondamenti istopatologici dell'allergia tubercolare. Gior. med. mil., 1935, **73**: 159–64.—**Lütfi, A.** [Immunity in pulmonary tuberculosis anaphylaxia, allergy and calcium therapy] Askerî sıhhiye mecmuası, 1932, **61**: 3–21.—**Quiroz, J. D.** Nociones sobre alergia tuberculínica. Rev. san. mil., Asunción, 1940–41, **14**: 195–211.

—— arrested.

See subheading (inactive)

—— Associated conditions.

Balter, A. M. Pulmonary tuberculosis complicated by diabetes and anemia. Med. Bull. Veterans Admin., 1933, **9**: 420–3.—**Coexisting** tuberculosis and coccidioidomycosis. Bull. U. S. Army M. Dep., 1946, **6**: 11.—**Cuddihy, B.** Pulmonary tuberculosis with associated pregnancy and associated toxic goitre. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 69.—**Leverton, W. R.** Allergic diseases associated with pulmonary tuberculosis. Med. Bull. Veterans Admin., 1940–41, **17**: 343–7.—**Makarov, V. E.** [Psychoses in tuberculosis in adults] Tr. Acad. mil. méd. Kiroff, 1936, **6**: 73–96.—**Matz, P. B.** The effect of intercurrent diseases on the clinical course and the hospitalization period of cases of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1927, **3**: 998–1002.—**Nalty, W. C.** The coexistence of pulmonary tuberculosis and syphilis. Med. Bull. Veterans Admin., 1938–39, **15**: 151–4.—**Ruoff, J. S.** Detection and recording of pulmonary tuberculosis in psychotic patients. Ibid., 1940–41, **17**: 365.—**Stinson, H. K.** Valvular heart disease in pulmonary tuberculosis. Ibid., 122–4.—**Trippeer, B.** Clinical observations of pulmonary tuberculosis as seen among the deteriorated psychotic. U. S. Veterans Bur. M. Bull., 1926, **2**: 572–5.

—— Bibliography.

Berlin-Chertov, S. V. [Tuberculosis under war conditions; survey of the foreign literature for 1939–42] Probl. tuberk., Moskva, 1943, No. 4, 65–9.—**Tachau, H.** Tuberkuloseliteratur im Kriege. Deut. med. Wschr., 1916, **42**: 1552–4.—**Trabaud, J. P. R.** Revue de la tuberculose. Arch. méd. pharm. mil., 1924, **81**: 234–46.

—— Cardiovascular system.

Benedict, C. C. Pericarditis, complicating pulmonary tuberculosis, with report ot case. U. S. Veterans Bur. M. Bull., 1927, **3**: 789–97.—**Blan & Filliou.** Endocardite mitro-aortique au cours d'une primo-infection tuberculeuse. Bull. Soc. méd. mil. fr., 1949, **43**: 136.—**Ferrabouc, L., & Jude, A.** Phlébite précoce des tuberculeux. Ibid., 1938, **32**: 402–4.—**Gilbert, C. L., & Haines, R. D.** Tuberculosis pericarditis in a case of acute hematogenous tuberculosis. U. S. Nav. M. Bull., 1947, **47**: 514–6.—**Gines, A. R., & Scandroglio, J.** Alteraciones histopatológicas de la arteria radial en el curso de la granulia aguda. Rev. san. mil., Asunción, 1942, No. 135, 155–9, 2 pl.—**Gómez López, A.** Tuberculosis del corazón. Rev. españ. med. cir. guerra, 1943–44, 2. época, **6**: 780–3.—**Hatakeyama, I.** Teikoku Kaigun gunzin ni okeru hai-kekkaku kanzya sinzō keitai no re-sen-zō ni yoru kenkyū [Studien durch das Röntgenbild über die Herzfigur bei der Lungentuberkulose bei japanischen Marinesoldaten] Kaigun gun-ikai zassi, 1938, **27**: 971–84, 2 pl.—**Junquet & Siau.** Péricardite tuberculeuse guérie par le traitement par l'allergine du Jousset. Bull. Soc. méd. mil fr., 1934, **28**: 88.—**Leverton, W. R.** Heart disease coexisting with tuberculosis. Rep. Conf. Veterans Admin. Physicians, 1938, 17–33.—**Mondon.** Un cas de péricardite tuberculeuse, pièce anatomique et examen histo-pathologique. Arch. méd. pharm. nav., 1929, **119**: 115–8.—**Tildon, T. T.** Heart disease in pulmonary tuberculosis. Med. Bull. Veterans Admin., 1931, **7**: 833–8.—**Virgillo, S.** La pericardite tubercolare. Gior. med. mil., 1935, **83**: 356–9.—**Waller, S. O.** Tuberculous pericarditis. J. Ind. Army M. Corps, 1949, **5**: 34–6.

—— Clinical aspect.

Anderson, C. A. Acute exacerbation of chronic tuberculosis. U. S. Veterans Bur. M. Bull., 1931, **7**: 561–3.—**Bacmeister.** Types of tuberculosis. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 334–9.—**Costantini, G., Daddi, G.** [et al.] Aspetti clinici ed anatomo-patologici della tubercolosi nel periodo bellico e post-bellico. Lotta tuberc., 1947, **17**: 494–538. Also Arch. tisiol., Nap., 1948, **3**: Suppl., XXXVIII–XLII.—**Didié, J., Hugonot, G., & Parnet, J.** Considérations sur la granulie froîde à propos d'une observation. Bull. Soc. méd. mil. fr., 1936, **30**: 273–9.—**Felix, J.** Z zagadnień klinicznych gruźlicy płuc u dorosłych. Lek. wojsk., 1943–44, **35**: 226–41.—**Holmes, J. G.** A case of pulmonary tuberculosis. J. R. Nav. M. Serv., 1939, **25**: 421.—**Jovanović, R.** [Clinical forms of pulmonary tuberculosis] Voj. san. glasnik, 1931, **2**: 244–66.—**Mattice, E.** Atypical pulmonary tuberculosis. Med. Bull. Veterans Admin., 1940–41, **17**: 409.—**Meersseman, F. A. B.** Les formes aiguës résolutives de la tuberculose pulmonaire de l'adulte. Rev. Serv. san. mil., Par., 1937, **106**: 1–28.—**Minimal** tuberculosis. Res. Program U. S. Army M. Res. Bd, 1946, July, 36.—**Oliveira Ponce, G. de.** Tuberculosoide. Rev. med. mil., Rio, 1942, **31**: 33–40.—**Sindico, G.** Controversie cliniche sulla tubercolosi. Gior med. mil., 1917, **65**: 1036–42.—**Spina, G., & Mastantuono, C.** Le forme cliniche della tubercolosi di guerra nell'osservazione dispensariale. Ann. Ist. Carlo Forlanini, 1948, **11**: 87–93.—**Tuberculosis,** minimal. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 36–46.

—— Complication.

Aranda de Rojas, M. Heridas de tórax y tuberculosos pulmonar. Med. & cir. guerra, 1947, **9**: 93–101.—**Binford, C. H., English, R. H., & Monroe, W. M.** [Active pulmonary tuberculosis, left lung, apex and acute tuberculous peritonitis] Mil. Surgeon, 1948, **102**: 185–8.—**Emery, G. C.** Multiple superficial tuberculous abscesses complicating pulmonary tuberculosis. Med. Bull. Veterans Admin., 1939–40, **16**: 380.—**Fairer, L. A.** Perforation of a tuberculous vomica through the chest wall. J. R. Nav. M. Serv., 1916, **2**: 210.—**Marciak, M.** [A case of pulmonary tuberculosis complicated by cancer] Lek. wojsk., 1945, **36**: 169, pl.—**Ramirez Olivares, P.** Tuberculosis. Mem. Convec. méd. mil. mex., 1936, 251.—**Watanabe, K.** Man-sei tyō-kekkaku ni keihatu-seru B-kei paratyphus no kyōmi-aru bōken rei [Interesting autopsy case in which chronic intestinal tuberculosis was complicated by type B paratyphoid fever] Gun idan zassi, 1929, 871–902, pl.

—— Congresses.

Jugoslovenski kongress protiv tuberkuloze [2. Kongr., 1936] [Proceedings] 2 pts. 147p.; 175p. 22½cm. Beogr., 1936–37.

Forms App. Nos 2 & 4, to v.7, Voj. san. glasnik, 1936.

Bianchini, A. Il Convegno per lo studio della tubercolosi osteo-articolare. Gior. med. mil., 1935, **83**: 405–11.—**Congreso** (VI.) panamericano de la tuberculology; Habana, diciembre, 1944. Rev. san. mil., Asunción, 1944, 263–5.—**Primer** Congreso argentino de tisiología. Rev. san. mil., B. Air., 1945, **44**: 301; 1093.—**TB** in wartime is theme; sessions at annual meeting in Philadelphia point out ways in which associations can help in war effort; exhibits well attended. Bull. Nat. Tuberc. Ass., 1942, **28**: 85.—**Trepiccioni, E.** IX Conferenza dell'Unione internazionale contro la tubercolosi (Varsavia, 4–6 settembre 1934) Gior. med. mil., 1934, **72**: 1101–16.—**Všesvazový** (5.) sjezd fthisiatrů. Voj. zdrav. listy, 1949, **18**: 143–5.

—— Control.

Auerbach, M. A. Tuberculosis control in wartime. Month. Bull. Bd Health Indiana, 1942, **45**: 255.—**Bernard, L.** The war and the social prophylaxis of tuberculosis. Internat. J. Pub. Health, Genève, 1920, **1**: 281–6.—**Bidou, S.** Prophylaxie de la tuberculose pulmonaire dans un camp d'officiers prisonniers. Bull. Acad. méd., Par., 1943, **127**: 466–9.—**Cioffi, E.** I riflessi della clinica nei riguardi della lotta antitubercolare. Gior. med. mil., 1920, **68**: 97.—**Donnelly, J.** War planning for tuberculosis control. South. M. & S., 1943, **105**: 308.—**Emerson, K.** War and tuberculosis control. Ohio Pub. Health, 1943, **7**: No. 7, 3–7.—**González Deleito, F.** Relaciones entre la tuberculosis en las poblaciones civil y militar. Congr. españ. internac. tuberc. (1912) 1914, 2. Congr., **2**: 507–21.—**Hilleboe, H. E.** Tuberculosis control in action during wartime. Tr. Nat. Tuberc. Ass., N. Y., 1942, **38**: 144–9.—**Kirchner, M.** Die Aufgaben der Tuberkulose-bekämpfung während des Krieges. Zschr. Tuberk., 1916, **26**: 161–79.—**Knopf, S. A.** Constructive suggestions toward the control of tuberculosis in times of peace and in times of war. N. York M. J., 1917, **105**: 1181–5.—**Lassen, O.** [The war and tuberculosis] Ugeskr. laeger, 1939, **101**: 1211.—**Long, E. R.** Studies to arrest early tuberculosis. Research Rev. (U. S. Navy) 1948, July, 6–10.—**Lyons, H. A.** A critique of tuberculosis control. U. S. Nav. M. Bull., 1947, **47**: 739–49.—**MacInnes, F.** Keeping tuberculosis away from the home front. Crusader, 1943, **35**: No. 8, 13.—**Noll.** Die Bekämpfung der Tuberkulose. Deut. mil ärztl. Zschr., 1914, **43**: 401–19.—**Paterson, R. G.** War and tuberculosis. Am. Rev. Tuberc., 1944, **49**: 357–62.—**Pollak, M.** The control of tuberculosis in war time. Illinois M. J., 1945, **87**: 292–6.—**Reitani, U.** Ricerche sul valore di alcuni procedimenti di disinfezione degli sputi tubercolari. Gior. med. mil., 1926, **74**: 287–96.—**Rénon, L.** La défense sociale contre la tuberculose pendant la guerre. Paris méd., 1916, **18**: 64–8.—**Rho, F.** Contro certi pregiudizi concernenti la tubercolosi. Ann. med. nav., Roma, 1916, **2**: 105–9.—**Spitzer, I. M.** Zasady walki z gruźlicą w świetle najnowszych zdobyczy i poglądów. Lek. wojsk., 1946, **37**: 19–31.—**Stafford, J.** Fighting war plague; medical and health authorities are determined that tuberculosis shall not take its toll in this country; Army is x-rayed; civilians should be, too. Science News Lett., 1943, **43**: 230.—**Starkey, D. H.** Summary of control methods and laboratory techniques for tuberculosis. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 6, 39–42.—**Tadić, R.** [Modern methods for combatting tuberculosis] Voj. san. glasnik, 1931, **2**: 460–72.—**War** challenges the general practitioner. J. Kansas M. Soc., 1943, **44**: 159.—**War** planning for tuberculosis control. Kentucky M. J., 1943, **41**: 218.—**Webster, F. W.** An extra challenge from tuberculosis. Health Bull., Raleigh, 1942, **57**: No. 11, 13.

—— Diagnosis.

See also **Tuberculin test.**

United States. Department of the Army. Technical bulletin TB MED 221: Diagnosis of

active tuberculosis. 3p. 26cm. Wash., 1946. Also Change 1. 2p. 26cm. Wash., 1946.

Barillé, A. Hémoptysie simulée; crachats colorés artificiellement. Arch. méd. pharm. mil., 1906, **48**: 362.—**Batier, G., Sieur** [et al.] Simulation de la tuberculose. Bull. Soc. méd. mil. fr., 1910, 4: 328–39.—**Boidé, & Simonin.** L'examen bactériologique du liquide de lavage gastrique dans le diagnostic de la tuberculose pulmonaire. Ibid., 1937, **31**: 331–5.—**Corper, H. J.** Tuberculosis and its control; laboratory diagnosis of tuberculosis. Mil. Surgeon, 1930, **66**: 681–92.—**Cummins, S. L.** Simplified methods of blood examination in tuberculosis with examples of their application in cases. J. R. Army M. Corps, 1931, **56**: 81–91.—**Fales, L. H.** The relative value of the Roentgen-ray and physical signs in the diagnosis and treatment of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 140–52. ——— Recent advances in interpretation of physical signs in pulmonary tuberculosis. Ibid., 1928, **4**: 403–9, 4 pl.—**Fausse** image de tumeur médiastinale. Bull. Soc. méd. mil. fr., 1948, **42**: 128–30.•—**Faux** (Les) tuberculeux. Caducée, Par., 1918, **18**: 143.—**Froste, N.** Om bronchoskopi vid lungtuberkulos. Tskr. mil. hälsov., 1949, **74**: 39–45.—**Funk, W. F.** Laboratory examinations for tuberculosis. U. S. Nav. M. Bull., 1947, **47**: 835–49.—**Gandullo Solsona, L., & Samitier Azparrén, J.** La broncoscopia al servicio de la tisiología. Med. & cir. guerra, 1948, **10**: 539–48.—**González Ancira, E.** Diagnóstico diferencial de la tuberculosis y las pneumoconiosis. Mem. Convenc. méd. mil. mex., 1936, 237–42.—**Gunter, F. E., & Brady, M. R.** Personal experiences in the diagnosis and treatment of conditions apparently of tubercular origin. J. R. Army M. Corps, 1934, **62**: 404–8.—**Klein, J. J.** Conditions simulating pulmonary tuberculosis; with case reports. Med. Bull. Veterans Admin., 1935, **12**: 86–9.—**Lapin, A. P.** K voprosu o diagnostičeskoj cennosti belkovoj reakcii mokroty. Voen. med. J., S. Peterb., 1913, **238**: Med. spec. pt, 580–8.—**Mikutowski, W.** [Fighting the feigning of tuberculosis, in the Army] Lek. wojsk., 1927, **10**: 132–7.—**Nolan, L. E.** Intradermic diagnosis of tuberculosis in guinea pigs. Med. Bull. Veterans Admin., 1936, **13**: 56.—**Olsen, E. S., & Azary, M. L.** Method of expediting the laboratory diagnosis of tuberculosis. Ibid., 1944–45, 21: 72–5.—**Pillsbury, E. D.** Notes on the diagnosis of chronic pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 1147–50.—**Schedtler, O.** Die Diagnostik der Lungentuberkulose im Feldheer. Med. Klin., Berl., 1939, **35**: 1561–3. ——— Zur Differentialdiagnose der Lungentuberkulose im Feldheer. Ibid., 1940, **36**: 370–2.—**Schilling.** Fehlerquellen in der Diagnose der Lungentuberkulose. Deut. mil. ärztl. Zschr., 1915, **44**: 141–6.—**Talbot, B. L.** Malignancy diagnosticated as pulmonary tuberculosis; report of four cases. Med. Bull. Veterans Admin., 1931, 7: 1037–43.—**Tanguy, R. O. L.** Le granulo-diagnostic de la tuberculose pulmonaire. Rev. Corps san. mil., Par., 1948, **4**: 61–74.—**Trabaud.** Revue de la tuberculose; les recherches de laboratoire necessaire au dépistage de la tuberculose dans l'armée. Arch. méd. pharm. mil., 1923, **79**: 181–9.—**Turner, J. W.** Diagnostic points adapted from Colonel Bushnell's teachings in the diagnosis of pulmonary tuberculosis by physical signs. Mil. Surgeon, 1941, **89**: 903–8.—**Vaja, G.** Considerațiuni asupra a două cazuri de falși tuberculosi. Rev. san. mil., Bucur., 1935, **34**: 240–8, illust.—**Walker, J. E.** Diagnosis of minimal pulmonary tuberculosis, spontaneous pneumothorax, pleurisy, and pleurisy with effusion. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 5, 44–55.—**Williot, T.** Dépistage et prophylaxie de la tuberculose pulmonaire à l'armée. Ann. belg. méd. mil., 1948, **101**: 47–50.—**Yamada, M.** Taihei kekkaku sōki hakken narabi-ni kekkaku sositu-yō hogo-hei sentei no mokuteki wo motte-suru tai-kekkaku syo-kensa, oyobi Mátéfy-si hannō, Costa-si hannō, urochromogen hannō no sindan-teki kati narabi-ni kore ga hikaku kenkyū [Comparative studies on the diagnostic value of the various tuberculosis tests and on Mátéfy's reaction, Costa's test, and the urochromogen test, for the early discovery of tuberculosis in soldiers and for tuberculosis protection in soldier selection] Gun idan zassi, 1929, Suppl., 665–88.

—— Diagnosis, bacteriological.

See also **Tuberculosis bacillus.**

Pinner, M. The bacteriological diagnosis of pulmonary tuberculosis. 8p. 27cm. Wash., 1946.

Forms Techn. Bull. TB 10–21, U. S. Veterans Admin.

Sasaki, T. Kakutan kensa ni yoru guntai ni okeru kekkaku kanzya sōki hakken-hō [Method of early detection of tuberculosis in troops by means of sputum examination] p.1755–812. 22cm. Tōkyō, 1929.

Gun idan zassi, 1929.

Dei, Z., & Ohisi, I. Kyōkō sinsyutu-eki ni tuki okonaeru kekkaku-kin baiyō seiseki [Results of culture of tubercle bacilli obtained from thoracic exudate] Gun idan zassi, 1928, 315–28.—**Fontaine, J.** The presence of tubercle bacilli in the absence of demonstrable lesions. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 75.—**Gaspar & Bacanu, C.** Signification biologique des microcolonies obtenues dans les hémocultures chez les tuberculeux. Rev. san. mil., Bucur., 1934, **33**: 671.—**Geyer, A.** Une méthode précise et simple de recherche des B. K. dans les crachats par inclusion à la paraffine. Rev. méd. nav., Par., 1947, 2: 179.—**Hallinan, E. L., & Reusser, T. R.** A rapid method for concentration of tubercle bacilli. Med. Bull. Veterans Admin., 1941–42, **18**: 203–5.—**Ikeyama, K., & Yosiki, M.** Kyōkō sinsyutu-eki-tyū kekkaku-kin baiyō kensyutu-hō narabi-ni sono seiseki [Method of detection of tubercle bacilli by culture in thoracic exudate and results] Gun idan zassi, 1929, 1507–42.—**Kakita, K.** Kekkaku-sei nōzyū-nai no kekkaku-kin ni tuite [Tubercle bacilli in tuberculous pus] Ibid., 1927, 405–11, tab.—**Kisikawa, H.** Kyō-eki, hukusui, nōsekizui-eki yori kekkaku-kin no iti bunri-baiyō-hō [A new method of isolating and cultivating the tubercle bacilli from the fluid in the pleural, the abdominal, or the cerebrospinal cavity] Kaigun gun-ikai zassi, 1940, **29**: 817–20.—**Kosmachevsky, V. K** voprosu kak obnaružit tuberkuleznyja bacilly v mokrote. Izv. Imp. Voen. med. akad., S. Peterb., 1913, **26**: 186–202.—**Miwa, H.** Kyōkō sinsyutu-eki tyū kekkaku-kin kensaku seiseki [Results in detecting tuberculosis bacteria in transudates in the thorax] Gun idan zassi, 1930, 304–10.—**Mononoe, T.** Kakutan-tyū kekkaku-kin no syūkin-hō (tansuikabutu huzyō-hō) ni kan-suru kenkyū [Studies on a method (the floating carbohydrate method) of collecting the tubercle bacillus from sputum] Ibid., 1943, 768–84.—**Paponnet.** Supériorité de la culture (méthode de Loewenstein) sur l'inoculation au cobaye pour la diagnostic précoce de l'infection tuberculeuse. Arch. méd. pharm. nav., 1936, **126**: 5–37.—**Piccioli, E.** Ricerche sull'isolamente del bacillo di Koch dal sangue dei tubercolosi secondo il metodo di Loewenstein. Gior. med. mil., 1932, **80**: 979–90.—**Proctor, R. L. G.** The demonstration of tubercle bacilli in sputum, with special reference to the flotation technique. J. R. Nav. M. Serv., 1941, **27**: 149–58.—**Simon, M.** Dokazivanje bacila tuberkuloze direktnim pregledom, antiforminskom metodom i metodom flotacije. Voj. san. pregl., Beogr., 1949, **6**: 364–6.—**Takada, R.** Syūdan-teki kakutan kensa no kenkyū narabi-ni zissi; hu, dōhō ni yoru hakken kekkaku kanzya ni tuite [Research on and application of mass examination of sputum and its significance for the prophylaxis of tuberculosis] Kaigun gun-ikai zassi, 1934, **23**: 133–51, 2pl., tab.—**Yokoo, T.** Syūdan kensin ni okeru kekkaku-kin baiyō no kenkyū; kakutan-baiyō ni sai-si kensyutu-seru hi-byōgen-sei kōsan-sei-kin no kanbetu ni tuite [Studies on the culture of the tubercle bacillus in group examination; differentiation of the non-pathogenic acid-fast bacteria in sputum cultures] Ibid., 1945, **34**: 68–78.—**Yosida, H.** Geka-teki kekkaku kanzya no kakutan narabi-ni i-sen-eki-tyū no kekkaku-kin baiyō ni tuite [Cultivation of tubercle bacilli from sputum and gastric juice of surgical tuberculosis patients] Ibid., 1938, **27**: 449–62. ——— Ugai-eki-tyū kekkaku-kin baiyō no rinsyō-teki kati ni tuite [The clinical value of the culture of tubercle bacilli from water used for gargling] Ibid., 1939, **28**: 441–60. ——— Geka-teki kekkaku-syō ni okeru ugai-eki-tyū kekkaku-kin baiyō no ōyō ni tuite [A practical application of the cultivation of tubercle bacilli found in water used for gargling in the diagnosis of surgical tuberculosis] Ibid., 1940, **29**: 51–76, 2pl.—**Yosioka, S.** Baiyō-hō wo ōyō-seru kenkō-sya oyobi kyōmakuen, haisen-en kanzya no kakutan-tyū kekkaku-kin kensaku seiseki [Tuberkelbazillen-Nachweis bei gesunden Menschen, Pleuritikern und Lungenspitzenkatarrh-Kranken nach der Kulturmethode] Gun idan zassi, 1934, 443–57.

—— Diagnosis: Blood sedimentation rate.

Diasio, J. S. The value of the erythrocyte sedimentation reaction in pulmonary tuberculosis. Mil. Surgeon, 1929, **44**: 228–30.—**Jones, L. R.** The sedimentation rate of erythrocytes in tuberculous and nontuberculous individuals and the colloid instability reaction. U. S. Veterans Bur. M. Bull., 1925, 1: No. 4, 5–8.—**Liégeois, M., & Albot, G.** La sédimentation sanguine: son rôle dans le pronostic de la tuberculose; sa valeur comparée à celle de la formule leucocytaire. Arch. méd. pharm. mil., 1926, **84**: 119–41.—**Milyković-Janković, D.** [Red blood cell sedimentation in pulmonary tuberculosis] Voj. san. glasnik, 1931, **2**: 339–48.—**Shoemaker, F.** Blood sedimentation test in pulmonary tuberculosis. Med. Bull. Veterans Admin., 1935, **12**: 168.—**Spužić, V., & Brajović, D.** [Value of erythrocyte sedimentation in early diagnosis of pulmonary tuberculosis] Voj. san. glasnik, 1936, 7: Appendix No. 4, 123–39.—**Wrenn, H. T.** The blood sedimentation test in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1927, **3**: 703–11.—**Yakabe, G., & Kawada, K.** Sekkekkyū-tinkō-hannō ni yoru kekkaku-sei kyōbu sikkan no sōki hakken hō ni tuite [Discovery of tuberculous diseases of the thorax in an early stage by means of the erythrocytic sedimentation reaction] Kaigun gun-ikai zassi, 1938, 27: 516–28, 2pl.

—— Diagnosis, early.

Cepulić, V. [Specific and serological diagnosis of early tuberculous symptoms] Voj. san. glasnik, 1936, 7: Appendix No. 4, 49–65.—**Debevec, F., & Ljubljana.** [Early differential diagnosis in pulmonary tuberculosis] Ibid., 83–105.—**Early** recognition of pulmonary tuberculosis. Bull. Army M. Dep., Lond., 1943, No. 26, 4–6.—**Gauch.** Au sujet du dépistage de la primo-infection tuberculeuse dans l'armée. Bull. Soc. méd. mil. fr., 1937, **31**: 421–4.—**Gómez López, A.** Diagnóstico precoz de la tuberculosis pulmonar en el Ejército (discusión del valor de algunos métodos de diagnóstico) Rev. españ. med. cir. guerra, 1943–44, **6**: 906–12.—**González Ancira, E.** Diagnóstico precoz de la tuberculosis pulmonar. Mem. Convenc. méd. mil.

mex., 1936, 253–65.—**Graf, E.** Die Frühdiagnose der Lungentuberkulose in der Armee. Verh. Ges. deut. Naturforsch. (1912) 1913, **84:** 2. Teil, 2. Hälfte, 399–401.—**Harrison, W. S.** The diagnosis and management of early phthisis. J. R. Army M. Corps, 1913, **20:** 553–66.—**Kucharski, T.** [Importance of detecting the early symptoms of pulmonary tuberculosis in soldiers] Lek. wojsk., 1928, **12:** 130–40.—**Kušan, V.** [Early diagnosis of pulmonary tuberculosis] Voj. san. glasnik, 1936, **7:** Appendix No. 4, 7–47.—**Neurbauer, R., & Golnik** [Roentgen diagnosis of early tuberculous symptoms] Ibid., 67–81, 10pl.—**Pollard, J. B.** The early diagnosis and treatment of pulmonary tuberculosis. U. S. Nav. M. Bull., 1924, **20:** 691–7.—**Radosavljević, A.** [Principal factors in early diagnosis of pulmonary tuberculosis] Voj. san. glasnik, 1936, **7:** Appendix No. 4, 107–21.—**Rouvillois, H.** A propos du dépistage précoce de la tuberculose dans l'armée. Bull. Acad. méd., Par., 1934, 3. ser., **112:** 115–25. Also Presse méd., 1934, **42:** 1264.—**Samardžija, P.** [Pathogenetic view-point in early diagnosis of pulmonary tuberculosis] Voj. san. glasnik, 1936, **7:** Appendix No. 4, 153–65.

—— Digestive system.

Ardoin. Péritonite tuberculeuse avec tuberculose herniaire, absence de troubles fonctionnels. Bull. Soc. méd. mil., fr., 1913, **7:** 536–40; Disc., 546–8.—**Balanescu, Zamfir & Dumitrescu-Popovici.** [Certain digestive changes in tuberculosis diagnosed by Roentgen rays] Rev. san. mil., Bucur., 1934, **33:** 725–31.—**Blumberg, A., & Waller, C. P.** Studies in intestinal tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4:** 295–305, 10 pl.—**Cavallini, E.** La midriasi nelle peritoniti tubercolari. Ann. med. nav., Roma, 1927, **2:** 294–8.—**Davis, W. C.** Intestinal tuberculosis; early diagnosis and effective treatment. U. S. Veterans Bur. M. Bull., 1926, **2:** 660–68, 8 pl. ——— A study of intestinal tuberculosis. Ibid., 1931, **7:** 344–52.—**Deist, H.** Symptomlose Dünndarmtuberkulose mit septischem Verlauf; kurz vor der Entlassung aus dem Militärdienst festgestellt. Deut. Militärarzt, 1938, **3:** 113–6.—**DeWitt, F. B.** Ultraviolet rays in treatment of intestinal tuberculosis. U. S. Veterans Bur. M. Bull., 1929, **5:** 517–9.—**Donovan, R. E.** Apendicitis y tuberculosis entero-peritoneal. Rev. san. mil., B. Air., 1936, **35:** 244–55.—**Fulton, K. P.** Oral manifestations of tuberculosis. Mil. Surgeon, 1939, **85:** 399–405.—**Garcia, M.** Un caso de peritonitis tuberculosa; intervención. Rev. san. mil., Madr., 1908, **2:** 282.—**Herrick, J. C.** Tuberculosis of the tongue. U. S. Veterans Bur. M. Bull., 1928, **4:** 868–70. ——— The early diagnosis of intestinal tuberculosis. Med. Bull. Veterans Admin., 1938–39, **15:** 172–4.—**Imperiale, C.** Sulla tubercolosi della lingua. Gior. med. mil., 1932, **80:** 100–7, pl.—**Ison, H. L.** Intestinal tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6:** 192–5.—**Juraszyński, A.** [Tuberculose de l'œsophage] Lek. wojsk., 1931, **18:** 413; 480.—**Kellam, J. W.** Tuberculosis of the tongue. Med. Bull. Veterans Admin., 1937–38, **14:** 80.—**Kline, L. B.** Intestinal tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6:** 107–12, 3 pl. ——— Outline of the diagnosis and treatment of intestinal tuberculosis. Ibid., 1931, **7:** 445–53.—**Mallery, J. H.** Pharyngeal tuberculosis following surgical trauma, with report of four cases. Ibid., 1926, **2:** 1145.—**Matz, P. B.** A study of intestinal tuberculosis in ex-service men. Ibid., 1930, **6:** 444–56.—**Monguzzi, U.** La pneumoparacentesi nelle peritoniti tubercolari ascitogene; nota preventiva. Gior. med. mil., 1926, **74:** 19–21.—**Murotani, S.** Kekkaku-sei hukumakuen ni tai-suru zizoku-teki ukketu ryōhō no zikken-teki kenkyū [Research in methods of combatting continuous congestion of the blood in tubercular peritonitis] Gun idan zassi, 1925, 495–8.—**Nissen, K.** Ueber die Magenbeschwerden bei Lungentuberkulösen und ihre Behandlung. Deut. Militärarzt, 1938, **3:** 60–6.—**Ors, J. P. d'.** Peritonitis tuberculosa; nota clínica médica. Med. & cir. guerra, 1949, **11:** 405.—**Oudard, Coureaud & Bideau.** Trois cas de tuberculose de la langue et des lèvres. Arch. méd. pharm. nav., 1931, **121:** 470–6.—**Persons, R. C.** A case of tubercular abscesses of liver. U. S. Nav. M. Bull., 1907, **1:** 165.—**Robinson, G. F.** Tuberculosis, with ulcers in mouth. U. S. Veterans Bur. M. Bull., 1930, **6:** 242.—**Rosnowski, M.** [Anatomical and functional state of the stomach in pulmonary tuberculosis] Lek. wojsk., 1935, **26:** 193; passim.—**Sarroste.** Péritonite tuberculeuse traitée par le procédé de Témoin. Bull. Soc. méd. mil. fr., 1926, **20:** 283–5.—**Sikorski.** Peritonitis tuberculosa. Militärarzt, Wien, 1915, **49:** 129.—**Smith, R. W.** Combined surgical and actinotherapy treatment for tuberculous fistula in ano. U. S. Veterans Bur. M. Bull., 1928, **4:** 1039–42.—**Solcard.** Faux syndrome appendiculaire d'origine bacillaire ou les étapes sérieuses d'une bacillose aiguë. Arch. méd. pharm. nav., 1931, **121:** 44–8.—**Stein, J.** [Two cases of tuberculosis of the gallbladder] Lek. wojsk., 1930, **16:** 165–73.—**Thorpe, V. G.** Tubercular peritonitis; laparotomy; heliotherapy. J. R. Nav. M. Serv., 1919, **5:** 421.—**Toussaint, H.** Obstruction intestinale au cours de la péritonite tuberculeuse et dysentérique. Caducée, Par., 1913, **13:** 117.—**Verdelet, L.** Péritonite tuberculeuse et hernie ombilicale chez un noir. Ibid., 1919, **19:** 93.—**Walker, A. G.** Tuberculous enteritis complicating pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6:** 559–64.—**Williams, H. B.** Röntgenological diagnosis of intestinal tuberculosis (with a report of 1,237 cases studied by X-ray) Ibid., 113–17. ——— Intestinal tuberculosis; a report of 3,693 cases studied by X-ray and at autopsy. Med. Bull. Veterans Admin., 1938–39, **15:** 236–9. ——— & **Gardner, L. U.** The diagnosis of intestinal tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4:** 203–6, 8 pl.—**Zarembo, A. A.** Slučaj pervičnago poraženija bugorćatkoj glotki. Voen. med. J., S. Peterb., 1910, **228:** Med. spec. pt, 501–6.

—— Early stage.

Heckscher, H. Om primaerinfektion og lungetuberkulose hos voksne, belyst ved undersøgelser over lungetuberkulosen blandt de vaernepligtige i Danmark. p.1–88. 23cm. Kbh., 1931. Militaerlaegen, 1931, **37:**

Bartolomé Relimpio, J. de. Topografia tuberculosa del vértice pulmonar. Rev. san. mil., Madr., 1920, 3. ser., **10:** 11–5.—**Blackwood, J. D.,** jr. Early pulmonary tuberculosis with negative X-ray findings. U. S. Nav. M. Bull., 1927, **25:** 128–31.—**Bravo Olalla, S., & Arraiza Lana, A.** Pleuritis y pericarditis exudativas en la primo-infección tuberculosa del soldado. Med. & cir. guerra, 1949, **11:** 143–9.—**Brooks, W. D. M.** Primary tuberculosis in young adults. J. R. Nav. M. Serv., 1946, **32:** 197–201.—**Cardelle, G.** Consideraciones clínicas sobre primoinfección tuberculosa en el niño; diagnóstico, tratamiento y profilaxis. Rev. san. mil., Habana, 1939, **3:** 311–21.—**Cataldi, L.** Siembra hematogena del periodo primario o granulia curable del periodo prealérgico. Rev. san. mil., B. Air., 1936, **35:** 838–42. ——— La primoinfección tuberculosa. Ibid., 1937, **36:** 115–23.—**Copin & Bruel.** Atélectasie à éclipses au cours d'une primo-infection tuberculeuse de l'enfance. Rev. méd. nav., Par., 1947, **2:** 351–4.—**Crosnier, R., & Ablard.** Primo-infection tuberculeuse familiale. Bull. Soc. méd. mil. fr., 1947, **41:** 141–3.—**Di Geronimo, G.** Sulle modalità sintomatiche dell'inizio clinico della tubercolosi polmonare nel soldato. Gior. med. mil., 1942, **90:** 612–7.—**Early** tubercle is easily missed. Bull. Army M. Dep., Lond., 1944, No. 38, 1.—**Gabrielle.** Discussion sur l'imputabilité de la primo-infection tuberculeuse et sa prophylaxie. Bull. Soc. méd. mil. fr., 1949, **43:** 131.—**Goldner, M.** Primoinfekcija i metode kolektivne antituberkulozne zaštite. Voj. san. pregl., Beogr., 1949, **6:** 5–13.—**Kuss, G.** Les enseignements de l'anatomie pathologique et de l'expérimentation sur les formes initiales de la tuberculose de l'homme; importancc dominante de ces notions pour la prophylaxie individuelle et sociale de la tuberculose. Arch. méd. pharm. mil., 1927, **87:** 482–5.—**Montague, E. A.** Early pulmonary tuberculosis. Med. Bull. Veterans Admin., 1932–33, **9:** 305–8.—**Olascoaga, M. L.** Hemoptisis y primoinfección tuberculosa. Rev. san. mil., B. Air., 1946, **45:** 369–75.—**Ontaneda, L. E., Lascalea, M. C., & Andrada, E.** Primoinfección tuberculosa inaparente del adulto. Ibid., 1939, **38:** 37–44.—**Ontaneda, L. E., Mazzei, E. S.** [et al.] Primo-infección tuberculosa inaparente del adulto. Ibid., 1936, **35:** 365–400.—**Pezzi, G.** Odierne vedute sull'infiltrato precoce tipo Assmann-Redeker. Ann. med. nav., Roma, 1938, **44:** 199–212, 2 pl.—**Rieux, J., & Pilod.** Etude clinique et radiologique de quelques modalités de la tuberculose pulmonaire incipiente. Arch. méd. pharm. mil., 1927, **87:** 500–11.—**Röttjer, E. A.** Infiltrado precoz tuberculoso. Rev. san. mil., B. Air., 1945, **44:** 1570–9.—**Vâja, G.** Primo-infecţia tuberculoasă la adult. Rev. san. mil., Bucur., 1937, **36:** 437–46.—**Vraćević, M.** [Development of tuberculosis especially in children and adolescents] Voj. san. glasnik, 1935, **6:** 327–70, 8 pl.—**Watt, J.** The treatment of early phthisis in the young soldier. Med. Press & Circ., Lond., 1944, **211:** 379–81.

—— Endocrine system.

Castro García, L. de, & Remolina Pardo, R. L. Hipertiroidismo y tuberculosis. Rev. españ. med. cir. guerra, 1941, **6:** 233; passim.—**Doty, H. W.** Bilateral tuberculosis of the adrenal glands associated with psoas abscess and tuberculous abscesses of the liver and pancreas. Med. Bull. Veterans Admin., 1939–40, **16:** 185.—**Frankel, P.** A case of Addison's disease of tuberculous origin. J. R. Army M. Corps, 1944, **83:** 201–4.—**Male, R. W.** Addison's disease and tuberculosis. Treatm. Serv. Bull., Ottawa, 1949, **4:** No. 8, 18.

—— Epidemiology.

See also **Tuberculosis geography.**

Adamson, J. D., & Edmison, J. N. Immigration tuberculosis. Treatm. Serv. Bull. Ottawa, 1947, **2:** No. 7, 57–60.—**Baldwin, E. R.** The danger of tuberculous infection in hospitals and sanatoria. U. S. Veterans Bur. M. Bull., 1930, **6:** 1–4.—**Malojcic, M.** [Investigations on the extent of infection by Koch's bacillus among adults; importance of tuberculization in the epidemiology of tuberculosis] Voj. san. glasnik, 1937, **8:** 607–11.—**Ohisi, I.** Hai-kekkaku kanzya no danwa, galsō ni yoru kekkaku-kin hisan ni kan-suru rinsyō zikken [Clinical experiments on the dissemination of the tubercle bacilli of pulmonary tuberculosis patients by means of coughing and conversation] Gun idan zassi, 1925, 1093–106.—**Parisot, J., & Saleur, H.** L'infection tuberculeuse chez l'adulte et dans l'enfance, suivant les conditions sociales de l'existence; rôle du taudis et du surpeuplement. Arch. méd. pharm. mil., 1927, **87:** 512–20.—**Rist, E., & Hautefeuille, E.** Quelques remarques sur la tuberculose conjugale et ses facteurs psycho-sociologiques. Ibid., 527–42.—**Rodrigo, J.** Conceptos sobre la diseminación tuberculosa. Med. & cir. guerra, 1949, **11:** 267–71.—**Tuberculosis** carrieres. J. R. Army M. Corps, 1941, **77:** 265–7.—**Zivanović, T.** [On contact in tuberculosis] Voj. san. glasnik, 1939, **10:** 665–70.

—— Etiology.

TUBERCULOSIS and its relation to warfare gases. 8p. 4° Wash., 1922.
War Dep. Chem. Warf. Serv. Med. Div., 1922.

Arloing, F. De l'infection tuberculeuse expérimentale (type Villémin) à l'infection par le virus tuberculeux filtrant. Arch. méd. pharm. mil., 1927, **87**: 486–99.—**Axline, M. H.** Reinfection and superinfection in tuberculosis. U. S. Veterans Bur. M. Bull., 1929, **5**: 573–7.—**Criscuolo, E.** Constitución y tuberculosis. Rev. san. mil., B. Air., 1943, **42**: 825–32.—**Frassetto, F.** Il problema della tubercolosi nelle razze di colore; note antropologiche e costituzionalistiche in gruppi di ascari polmonari, tubercolotici e sani. Gior. med. mil., 1934, **82**: 527–48, 5 pl.—**Infection (L')** tuberculeuse chez les diverses races humaines. Arch. méd. pharm. nav., 1920, **109**: 302–7.—**Kazii, T.** Doku-gasu-tyūdoku to hai-kekkaku to no kankei ni kansuru Eikoku Onkyū-syō no tyōsa kenkyū [Research study by the English Pension Department on the relation between poison-gas poisoning and tuberculosis] Gun idan zassi, 1929, 257–64.—**Kuss, G.** Contagio da tuberculose e preconceitos populares. Rev. med. hyg. mil., Rio, 1923, **9**: 190–5.—**La Terzo, E.** Influenza di regimi alimentari sperimentali sulla infezione tubercolare della cavia. Ann. med. nav., Roma, 1933, **39**: pt 1, 129–41, diag.—**McPhedran, F. M., & Cooper, E. S.** Endogenous and exogenous reinfection in tuberculosis. Rep. Conf. Veterans Admin. Physicians, 1938, 68–71.—**Malard.** Nouvel aspect du problème de la tuberculose des Noirs. Bull. Soc. méd. mil. fr., 1938, **32**: 360–7.—**Maragliano, E.** Quando nascono le malattie tubercolari. Gior. med. mil., 1937, **85**: 1037–46.—**Mazza, M. A.** A propósito de la infección tuberculosa. Rev. san. mil., B. Air., 1939, **38**: 630–5.—**Myers, J. A.** Tuberculosis in the aged. Rep. Conf. Veterans Admin. Physicians, 1938, 3–5.—**Nagato, S.** Kan-nai seikatu ni okeru kekkaku kansen zyōkyō ni tai-suru iti tyōsa [An investigation of conditions regarding infection with tuberculosis on shipboard in the Navy] Kaigun gun-ikai zassi, 1940, **29**: 197–206.—**Nichele, G., & Clavelli, T.** Ipoergia ed anergia tubercolinica in rapporto allo stato di nutrizione negli anni di guerra. Pediat. internaz., Roma, 1948, **1**: 199–208.—**Pasqualini, R. Q., Olguín, V. V., & Lascalea, M. C.** Contagio, inmunidad y resistencia en el desarrollo de la infección tuberculosa en el adulto. Rev. san. mil., B. Air., 1940, **39**: 1217–21.—**Pollak, M.** Experimental intracardiac infection of guinea pigs with tuberculosis sputum. U. S. Veterans Bur. M. Bull., 1929, **5**: 525.—**Redeker, H.** Die Lungentuberkulose bei kriegsgefangenen Negern. Zschr. Tuberk., 1943, **90**: 65–91.—**Salazar, M.** El último libro sobre tuberculosis, del Dr. Valdés Lambea [Contagioherencia y constitución] Rev. san. mil., Madr., 1935, **25**: 277–81.—**Schwarz, F. W.** Smallpox vaccination and pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1927, **3**: 226.—**Sekulich, M.** [Relation between silicosis and pulmonary tuberculosis] Voj. san. glasnik, 1936, **7**: 715–25, 8 pl.—**Wulp, G. A., & Watkins, J. H.** Tuberculosis. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 83–94.

—— extrapulmonary.

See also other subdivisions (osteoarticular, etc.)

Loeb, W. A. Extrapulmonary tuberculosis, with a consideration of certain of its manifestations. Med. Bull. Veterans Admin., 1936–37, **13**: 327–37.—**Rubenstein, M.** Ultraviolet irradiation in extra-pulmonary tuberculosis. Ibid., 1944–45, **21**: 27–34.—**Wasserfallen.** Le traitement des tuberculoses extrapulmonaires. C. rend. Congr. internat. méd. pharm. mil. (1947) 1948, 11. Congr., **2**: 334.

—— Eye.

Gómez-Márquez, J. Tuberculosis oculares típicas y atípicas; conceptos generales; aplicaciones práticas. Rev. san. mil., Madr., 1929, **19**: 293; 356.—**González Ancira, E.** Un signo más para el diagnóstico precoz de la tuberculosis; pestañas en el ángulo interno del ojo. Rev. méd. mil., Méx., 1939, **2**: No. 9, 3–12.—**Lauber, J.** [Importance of tuberculosis in affections of the eyes] Lek. wojsk., 1934, **23**: 2–8.—**Lestage & Souloumiac.** Quatre cas de tuberculose oculaire. Arch. méd. pharm. nav., 1928, **118**: 390–9.—**Pavićević, N. P.** [Tuberculosis of the eyes, and its treatment] Voj. san. glasnik, 1936, **7**: 305–29.—**Rachou.** Tuberculome de la paupière supérieure. Bull. Soc. méd. mil. fr., 1949, **43**: 138.—**Waligórski, W.** [Treatment of tuberculosis of the eye with tebeprotine] Lek. wojsk., 1932, **19**: 733–42.—**Zolędziowski, Z.** [Treatment of tuberculosis of the eye] Ibid., 1926, **8**: 140–5. ——— [The treatment of tuberculosis of the eye with Roentgen rays] Ibid., 1928, **11**: 24–8.

—— Forensic aspect.

See also other subheadings.

Argentina, G. B. La enzimo-sinforeazione per la diagnosi presintomatica della tubercolosi in medicina legale militare. Gior. med. mil., 1938, **86**: 375–82.—**Assman.** Ueber die praktische Bedeutung der Lungenuntersuchungsmethoden bei militärarztlichen Beurteilungen für Kriegszwecke. Deut. med. Wschr., 1916, **42**: 991.—**Blümel.** Die Fehldiagnose Lungentuberkulose bei Beurteilung der Felddienstfähigkeit. Med. Klin., Berl., 1915, **11**: 884.—**Filograma, P.** La tubercolosi nella pratica medicolegale militare. Gior. med. mil., 1933, **81**: 963–72.—**Hernández Froment, A.** La tuberculosis pulmonar como problema médico-legal en el Ejército. Rev. san. mil., Habana, 1937, **1**: No. 2, 75–80.—**Kincade, G. F.** Tuberculosis and Workmen's Compensation. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 8, 6.—**Kirch, A.** Zur militärärztlichen Beurteilung der Lungentuberkulose. Wien. klin. Wschr., 1916, **29**: 1189.—**Morin, J.** Remarques au sujet des expertises concernant les militaires tuberculeux. Rev. méd. Suisse rom., 1944, **64**: 410–9.—**Porges, O.** Ueber die militärärztliche Begutachtung der Tuberkulose. Oesterr. San. Wes., 1918, **30**: Beil., 129–33.—**Rist, E.** Les expertises médico-légales et la tuberculose pulmonaire devant les centres spéciaux de réforme. Bull. Acad. méd., Par., 1923, 3. ser., **89**: 492–6.—**Southby, A., Grigg, J.** [et al.] Soldier's death in detention barracks. Brit. M. J., 1943, **2**: 91.—**Street, E.** Unjustifiable negligence in the diagnosis of pulmonary tuberculosis. Tr. M. Soc. N. Carolina, 1906, **53**: 319–23.—**Szerreiks, E.** Fragen der ärztlichen Beurteilung und Begutachtung; Tuberkulose. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 324–45.—**Telatycki.** El problema del peritaje medico-militar entre militares de carrera; enfermos de tuberculosis pulmonar. Rev. san. mil., B. Air., 1937, **36**: 211–5.

—— Genitals.

BURNOD, A. *Enquête étiologique et pathogénique sur la tuberculose annexielle pendant les années de guerre; déductions cliniques et thérapeutiques. 64p. 24½cm. Lyon, 1946.

Adanja, S. Tuberkulozni epididimitis. Voj. san. pregl., Beogr., 1948, **5**: 260–3.—**Bedoya González, J. M.** El microlegrado de endometrio como medio diagnóstico de las tuberculosis anexiales. Rev. españ. med. cir. guerra, 1945, **7**: 645–8.—**Davis, K. F.** The significance and treatment of tuberculous epididymitis. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 8, 17.—**Delaye, M. G. R., & Lacaux, J. M. F.** Le pronostic des épididymites tuberculeuses. Rev. Serv. san. mil., Par., 1939, **110**: 1–21.—**Guillemin, G., & Mousselon, J.** Enquête étiologique sur la tuberculose annexielle pendant les années de guerre, déductions cliniques et thérapeutiques (à propos de 80 observations récentes). Lyon chir., 1947, **42**: 79–88.—**Laborit, H., & Geyer, A.** Au sujet d'une tuberculose génitale révélée par la biopsie de l'endomètre. Rev. méd. nav., Par., 1948, **3**: 189–93.—**Lacal, F.** Tuberculosis genital. Rev. san. mil., B. Air., 1941, **40**: 38; 162.—**Leader, A. J.** Tuberculous epididymitis. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 7–11. ——— Tuberculous epididymitis in the Army. Mil. Surgeon, 1946, **98**: 411–6.—**Telega, V. I.** [Two cases of tuberculosis of the testicle and the epididymis] Voen. med. J., Petrogr., 1915, **243**: Med. spec. pt, 215–20.

—— Health education.

Knopf, S. A. What the American soldier now fighting in France should know about tuberculosis. Med. Rec., N. Y., 1917, **92**: 751–6. Also South. California Pract., 1917, **32**: 173–82. Also West. M. Times, 1917–18, **37**: 225–34. Also Woman M. J., 1917, **27**: 233–9. Also Canad. J. M. & S., 1918, **43**: 37–54. Also Trained Nurse, 1918, **60**: 70; 131.—**Morris, E.** Teaching tuberculosis to the tuberculous. U. S. Veterans Bur., M. Bull., 1926, **2**: 829–31.

—— Hematopoietic system.

Novaković, D. [Leukocytic formula in pulmonary tuberculosis] Voj. san. glasnik, 1931, **2**: 315–38.

—— inactive.

Aspin, J. Arrested tuberculosis and military service. Brit. M. J., 1940, **2**: 608.—**Barlow, N.** The diagnosis of arrested tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4**: 1011–4.—**Fales, L. H.** Arrested pulmonary tuberculosis. Med. Bull. Veterans Admin., 1931, **7**: 1121–7.—**Green, J. W.** The indices of arrested pulmonary tuberculosis. Ibid., 1935–36, **12**: 253–6.—**Olivera, A., & Repetti, L. P.** Diagnóstico de la tuberculosis inactiva y su evolución. Rev. san. mil., B. Air., 1930, **29**: 304–12.—**Proffitt, R. V.** Significance of râles in the determination of arrest of tuberculosis. Med. Bull. Veterans Admin., 1936, **13**: 58–60.—**Weatherhead, E.** Arrested tuberculosis and military service. Brit. M. J., 1940, **2**: 534; 721.—**White, J. E.** Pulmonary tuberculosis; healed lesions and persistence of râles. U. S. Veterans Bur. M. Bull., 1930, **6**: 479–81.

—— Insurance aspect.

Clemente, M. Contributo all'estensione dell'assicurazione obbligatoria contro la tubercolosi tra i militari di marina. Ann. Ist. Carlo Forlanini, 1940, **4**: 407–17.—**Hauser.** Tuberkulose und Militärversicherung. Korbl. Schweiz. Aerzte, 1916, **46**: 887–9.—**Militärversicherung** und Tuberkulose. Praxis, Bern, 1943, **32**: 512.

—— latent.

Baldwin, E. R. Latent tuberculosis: its importance in military preparation. Cleveland M. J., 1917, **16**: 410–8.—**Sergent, E., Durand, H., & Turpin, R.** La réactivation des foyers tuberculeux latents et la notion de tuberculose active et non évolutive; quelques constatations cliniques et expérimentales. Arch méd. pharm. mil., 1927, **87**: 458–64.—**Torii, T.**

Iwayuru kenkōsya no kyōbu senzai-sei kekkaku-byō sō ni kan-suru roentgen-gaku-teki kenkyū [Roentgenological studies of the hidden seat of infection of tuberculosis in the chest of the so-called healthy person] Gun idan zassi, 1930, 249–82, 2pl.

—— Lung.

Rist, E., Sergent, E. E. J. [et al.] Conference on tuberculosis of the lungs. p.971–1022. 24cm. Par., 1919.

War. Med., Par., 1918–19, **2:**

Bernstein, D. Massive atelectasis in pulmonary tuberculosis; bronchoscopic observation in 6 cases. Med. Bull. Veterans Admin., 1943–44, **20:** 293–7.—**Blumberg, A.** Tuberculous cavitation. U. S. Veterans Bur. M. Bull., 1930, **6:** 753–60, pl.—**Duroux.** Caverne tuberculeuse ballonisée par un épanchement sanguin au cours d'une hémoptysie. Bull. Soc. méd. mil. fr., 1948, **42:** 51.—**Fales, L. H., & Beaudet, E. A.** Healing of tuberculous cavities. U. S. Veterans Bur. M. Bull., 1931, **7:** 197–201, 6pl.—**Garment, E. M.** Spontaneous closure of a large tuberculous cavity seven years after recognition. Med. Bull. Veterans Admin., 1939–40, **16:** 189.—**Gómez López, A.** Comentarios acerca de la desaparición espontánea y rápida de cavidades tuberculosas en dos enfermos. Med. & cir. guerra, 1946, **8:** No. 17, 54–62.—**Hatakeyama, I.** Kekkaku kō-allergy ni motozuku ikka-sei hai-sinzyun no iti rei [A case of temporary infiltration of the lung caused by high-grade tuberculous allergy] Kaigun gun-ikai zassi, 1940, **29:** 126–30, pl.—**Hatakeyama, T., Kobayasi, R.** [et al.] Gunzi hogo-in hai-kekkaku bunrui-hō no hihan [Criticism of methods of classification of pulmonary tuberculosis in military sanatoria] Iryō, 1948, **2:** No. 2, 14; 1949, **3:** No. 5, 21.—**Jullien, L. L.** Essai sur les formes cliniques de la tuberculose du poumon et de la plèvre chez l'adulte. Arch. méd. pharm. mil., 1925, **82:** 1–24.—**Korol, E.** Observations on pulmonary emphysema in tuberculosis. Rep. Conf. Veterans Admin. Physicians, 1938, 56–64.—**Kutukake, A.** Hai-kekkaku ni heihatu-seru iwayuru kisyu-sei kūkō keisei ni tuite [Contribution to the study of the socalled emphysematous cavitation as a complication of pulmonary tuberculosis] Kaigun gun ikai zassi, 1928–29, **17:** 197–211, 4pl.—**Mendelson, R. W.** Pulmonary tuberculosis, pulmonary mycosis and pulmonary spirochetosis. Mil. Surgeon, 1921, **49:** 81.—**Quiroz, J. D.** Contribución al conocimiento y divulgación de la clínica, la radiología y la terapéutica de la atelectasias en tuberculosis pulmonar. Rev. san. mil., Asunción, 1940–41, **14:** 383–90.—**Ravich-Shcherbo, V., & Pokrovskaia, O.** Tuberkulez legkikh. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 575–93, 3pl.—**Sadeddin Yarar** [Pulmonary tuberculosis; morphology, stain, culture, chemical composition, separation of the bacillus, tuberculin] Askerî tibbi baytarî mecmuası, 1937, **14:** 238; 335; 1937, **15:** 7.—**Samitier Azparren, J.** Características de la tuberculosis en la base del pulmón. Med. & cir. guerra, 1946, **8:** No. 23, 51–4.—**Ueyonahara, T.** Baelz-si kyōmaku-haien narabi-ni ryō-sei kekkaku-sci hai-sinzyun ni tuite [Contribution to Baelz's pleuro-pneumonia and benign tuberculous infiltration of the lungs] Kaigun gun-ikai zassi, 1929–30, **18:** 218–44, 6pl.—**Vaja, G.** [Tuberculous splenopneumonia] Rev. san. mil., Bucur., 1934, **33:** 534–41.—**Wszelaki, S.** [Methods of classification in pulmonary tuberculosis] Lek. wojsk., 1929, **13:** 278, 343.

—— Lymphatic system.

Bertram, D. R. F. X-ray treatment of tuberculous cervical adenitis. J. R. Nav. M. Serv., 1948, **34:** 84–6.—**Boucher & Moindrot.** Calcifications hilaires et hémoptysies bronchiques. Bull. Soc. méd. mil. fr., 1945, **39:** 292.—**Boucher, Steiger** [et al.] Nouvelle statistique sur la fistulisation des ganglions bronchiques chez les recrues. Ibid., 1949, **43:** 70.—**Callis, H. A.** The relation of the lymphatic system to tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6:** 102–6.—**Castro García, L. de, & Remolina Pardo, R. L.** Adenopatías tuberculosas múltiples calcificadas; via cérvico-torácica. Rev. españ. med. cir. guerra, 1941, **7:** 89–105; Disc., 237.—**Drouhet & Scherrer.** Sur le rôle des ganglions axillaires dans le diagnostic et le pronostic des affections pleuro-pulmonaires, particulièrement de la tuberculose. Bull. Soc. méd. mil. fr., 1913, **7:** 505; 722.—**Henderson, R. C.** Generalized tuberculous adenitis. Med. Bull. Veterans Admin., 1934–35, **11:** 348–52.—**Khodorović, V.** [Diagnosis of tuberculous bronchadenitis in the army] Voen. san. delo, 1929, No. 4, 65–8.—**Lewis, T. J.** Acute atelectasis from bronchial constriction by tuberculous mediastinal glands. Med. Bull. Veterans Admin., 1938–39, **15:** 411.—**McKnight, J. L.** Generalized tuberculous adenitis, with report of case. U. S. Veterans Bur. M. Bull., 1927, **3:** 725–7.—**Merlo Gómez, J. F., Terrizzano, M. F., & Martínez, V. M.** Adenitis-tuberculosa; su tratamiento roentgenterápico. Rev. san. mil., Asunción, 1940–41, **14:** 77–83.—**Meyst, C. H.** Tuberculous lymph nodes of the neck involved in metastatic carcinoma. Med. Bull. Veterans Admin., 1943–44, **20:** 220.—**Paltre & Aujaleu.** Adénite caséeuse de l'arrière-cavité des épiploons en imposant pour une tumeur du carrefour sous-hépatique. Bull. Soc. méd. mil. fr., 1929, **23:** 129–32.—**Thornton, J. W.** Light treatment in tuberculosis of lymph glands. U. S. Veterans Bur. M. Bull., 1931, **7:** 232–4.—**Webb, J. B., & Freed, H.** Tuberculosis of the tracheo-bronchial lymph nodes in the adult; report of seven cases. Ibid., 1925, **1:** 4–10.—**Zhivanović, T.** [Early diagnosis of tuberculosis of the hilar glands] Voj. san. glasnik, 1936, **7:** Appendix No. 4, 145–8.

—— Manifestations.

Adamson, J. D. Chronic coughers. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 7, 77.—**Cavallini, E.** Le febbri da tubercolosi occulta o cripto-tubercolari nella Regia Marina. Ann. med. nav., Roma, 1930, **36:** 212–21.—**McCarty, G. S.** What effect has pulmonary hemorrhage upon the tuberculosis patient? U. S. Veterans Bur. M. Bull., 1930, **6:** 490–2.—**Riggs, L. D.** Terminal signs in pulmonary tuberculosis. Ibid., 1928, **4:** 932–5.—**Telatycki, M. S.** [Value of the fever symptom from the viewpoint of phthisiology] Lek. wojsk., 1930, **15:** 217–52.—**Vraćević, M. S.** [Significance of pulmonary hemorrhages in early diagnosis of tuberculosis] Voj. san. glasnik, 1936, **7:** Appendix No. 4, 149–51.

—— Manual.

Bochetti, F. La tubercolosi. 1° corso di tisologia. 344p. 8° Roma, 1928.

Bruns, E. H. [Lectures on tuberculosis] [v. p.] 26½cm. n. p., 1931 [?]

—— Musculoskeletal system.

See also subheading (osteoarticular)

Balanescu, I., Gaspar, I., & Teodoreanu. Un caz de reumatism tuberculos. Rev. san. mil., Bucur., 1935, **34:** 27–9.—**Dutrey & Velluz, J.** Réflexions sur deux cas de rhumatisme tuberculeux. Bull. Soc. méd. mil. fr., 1937, **31:** 86–90.—**Pedroli, G.** Miosite tubercolare del piccolo obliquo e trasverso. Gior. med. mil., 1935, **73:** 31–9.—**Roulin, G. M. P.** Rhumatisme aigu et tuberculose. Arch. méd. pharm. mil., 1935, **102:** 651–81.

—— National defense aspect.

H., C. M. The preparedness questionnaire. Dis. Chest, 1940, **6:** 295.—**Hiscock, I. V.** The place of the tuberculosis association in civilian preparedness for war and peace. Connecticut M. J., 1942, **6:** 258–60.—**Thomas, C. D.** Tuberculosis and national defense. North Carolina M. J., 1941, **2:** 484–6.—**Thompson, R. H.** What the Army chest survey means to the civilian doctor. Ohio M. J., 1944, **40:** 321–4.—**Tuberculosis** in defense areas. Illinois Health Mess., 1942, **14:** 2.

—— Nervous system.

Carrillo, R., Reyes Oribe, H., & Floreal Matera, R. Tuberculoma de cerebelo con metástasis parasagitales; patogenia de los tuberculomas del encéfalo. Rev. san. mil., B. Air., 1941, **40:** 602–26.—**Cerchez, I.** Examenul lichidului cefalo-rachidian în zece cazuri de meningită tuberculoasă. Rev. san. mil., Bucur., 1937, **36:** 837–42.—**Clarke, E. S.** Streptomycin in the treatment of cases of tuberculosis meningitis in the Army. J. R. Army M. Corps, 1949, **92:** 183–201.—**Fribourg-Blanc & Costedoat.** Syndrome psychopathique déterminé par une poussée de tuberculose évolutive. Bull. Soc. méd. mil. fr., 1925, **19:** 21.—**George, J. C.** Tuberculous meningitis in adults. Med. Bull. Veterans Admin., 1933, **9:** 391–6.—**González, G.** La meningitis tuberculosa del niño. Rev. san. mil., Asunción, 1943, No. 136, 19–38. **Gouriou.** Ramollissement de la protubérance annulaire d'origine tuberculeuse probable. Arch. méd. pharm. nav., 1930, **120:** 446–51.—**Julienne & Liscöet.** A propos d'un cas de méningite tuberculeuse; guérison en rémission de longue durée? Bull. Soc. méd. mil. fr., 1936, **30:** 391–5.—**Karwacki, L., & Niemyski, A.** [Four cases of tuberculous meningitis treated successfully with Aurosan] Lek. wojsk., 1928, **11:** 347–59.—**Kutukake, A.** Hansin-huzui wo tomonaeru kekkaku-sei nōmakuen no san bōken rei ni tuite [Three autopsy cases of tuberculous meningitis accompanied by hemiplegia] Kaigun gun-ikai zassi, 1934, **23:** 189–96, pl.—**Lewis, B. S., & Osmond, H.** A case of pulmonary tuberculosis presenting as a toxic confusional state. J. R. Nav. M. Serv., 1948, **34:** 39–41.—**McLellan, N. W., & Henderson, M. H.** A case of tuberculous meningitis treated with streptomycin. Treatm. Serv. Bull., Ottawa, 1948, **3:** No. 9, 37–42.—**Mauvais, R., & Lucquin, J.** Un cas de méningite tuberculeuse avec polynucléose rachidienne. Bull. Soc. méd. mil. fr., 1947, **41:** 134.—**Morvan.** Formes anormales du type névrosique de la tuberculose méningée chronique de l'adulte. Ibid., 1927, **21:** 4–10.—**Pilod, Fribourg-Blanc & Sauvaget.** Méningite tuberculeuse à forme comateuse d'emblée. Ibid., 1926, **20:** 29–34.—**Redaelli, P.** Tubercolosi encefalica ed ependimite ipertrofica. Boll. Soc. med. chir., Pavia, 1930, **44:** 1–43.—**Roberts, G. B. S.** Some pathological aspects of tuberculous meningitis treated with streptomycin. J. R. Army M. Corps, 1949, **92:** 202–11.—**Sonea, O.** Consideraţiuni asupra două cazuri de meningită tuberculoasă vindecată. Rev. san. mil., Bucur., 1937, **36:** 328–34.—**Sonsuz, S.** Tüberküloz pülmonerin vejetatif sistem ile olan münasebeti [Tuberculosis and the vegetative system] Askerî sıhhiye mecmuası, 1947, **76:** 46–9.—**Stroescu, G.** Studiul leziunilor nespecifice in tuberculoza sistemului nervos. Rev. san. mil., Bucur., 1937, **36:** 77–86, illust.—**Trabaud.** Le réflexe oculo-cardiaque au cours de la tuberculose. Bull. Soc. méd. mil. fr., 1920, **14:** 153–7.—**Walker, W., & O'Meara, F. J.** Apparent recovery from an attack of acute tubercular meningitis. J. R. Army M. Corps, 1932, **58:** 50–2.—**Wolffenbuttel, E.** Tratamento da meningite tuberculosa. Rev. med. mil., Rio, 1934, **23:** 146–50.

—— osteoarticular.

See also subheading (Musculoskeletal system)

Bainbridge, W. S. The influence of the World War on surgical tuberculosis; America's viewpoint. Gior. med. mil., 1923, **71**: 378–80. Also Arch. méd. pharm. mil., 1923, **79**: 334.—**Berlacky, G. B.** [Subcutaneous injection of creosote in surgical tuberculosis] Voen. med. J., Petrogr., 1915, **244**: med. spec. pt, 364–77.—**Billet, H.** Traitement des tuberculoses chirurgicales. Bull. Soc. méd. mil. fr., 1914, **8**: 47–57.—**Bousquet, E.** Difficulties in the early recognition of sacro-iliac tuberculosis. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 71.—**Bratu, S.** Un procedeu de tratament rapid al abceselor calde şi adenitelor supurate netuberculoase. Rev. san. mil., Bucur., 1937, **36**: 711–3.—**Bressot, E.** Les operations ankylosantes dans le traitement du mal de Pott. Arch. méd. pharm. mil., 1929, **91**: 233–52.—**Burhan Urus & Kemal** [Rare case of tuberculous gumma simulating symmetrical, mycotic exanthema of both feet] Askerî sihhiye mecmuası, 1936, **65**: 9–16.—**Campello, M.** Tratamento cirúrgico da espondilite tuberculosa. Arq. brasil. med. nav., 1942, **3**: 1019–34.—**Carr, B. W.** Bone tuberculosis treated by actinotherapy. U. S. Veterans Bur. M. Bull., 1927, **3**: 1003–17.—**Clavelin, C. H. C. L.** Généralité sur la tuberculose ostéo-articulaire de l'adulte. Arch. méd. pharm. mil., 1923, **78**: 15–34, 4 pl. ——— Paralysies et paraplégies pottiques chez l'adulte. Ibid., 1927, **87**: 293–309. ——— Le traitement des tuberculoses chirurgicales dans le climat parisien. Ibid., 624–9.—**Consideraciones** sobre los resultados e indicaciones del tratamiento operatorio del mal de Pott del adulto. Med. & cir. guerra, 1947, **9**: 187–9.—**Fernández Gallego, L.** Algunos aspectos de clínica y diagnóstico diferencial del mal de Pott en el adulto. Rev. españ. med. cir. guerra, 1941, **6**: 21–34.—**Haslitt, P. P.** Tuberculosis of the spine treated by plaster of Paris jackets. U. S. Veterans Bur. M. Bull., 1926, **2**: 760–3.—**Herrick, J. C.** Tuberculosis of the sternum. Med. Bull. Veterans Admin., 1937–38, **14**: 82–4.—**Hubrich, R.** Kniegelenkstuberkulose als Irrläufer. Deut. Militärarzt, 1943, **8**: 173–5.—**Jensen, L. C.** Tuberculosis of bone and joints; its differential diagnosis and treatment. U. S. Veterans Bur. M. Bull., 1930, **6**: 565–7.—**Kalina, L.** [Pott's disease] Lek. wojsk., 1930, **16**: 68–73.—**Lagomarsino, E. H., & Dal Lago, H.** La biopsia ganglionar en el diagnóstico de la tuberculosis osteoartícular. Rev. san. mil., B. Air., 1938, **37**: 1054–64.—**Llobet, A. F.** Artritis tuberculosa de la rodilla. An. san. mil., B. Air., 1902, **4**: 1057–9.—**Luse, H. D.** Tuberculous spondylitis (Pott's disease) U. S. Veterans Bur. M. Bull., 1926, **2**: 43–52.—**Moreau.** Mal de Pott latent. Arch. méd. pharm. nav., 1939, **129**: 455–60.—**Murakami, S.** Tietze no iwayuru kanō-sei hakusyoku-syu ni tiken rei [Successful treatment of two cases of Tietze's socalled suppurative white tumor (tumor albus)] Kaigun gun-ikai zassi, 1940, **29**: 133–5, pl.—**Ontaneda, L. E., Pasqualini, R. Q., & Ferloni, A. V.** Reumatismo poliarticular agudo y reacciones tuberculínicas. Rev. san. mil., B. Air., 1938, **37**: 483–7.—**Paitre.** L'indemnisation des tuberculoses chirurgicales. Bull. Soc. méd. mil. fr., 1926, **20**: 186–95.—**Plisson, L.** [et al.] Traitement des tuberculoses chirurgicales [discussion] Ibid., 1914, **8**: 243–58.—**Ployé.** Etat actuel de la question de la tuberculose chirurgicale. Arch. méd. pharm. nav., 1931, **121**: 295; 411.—**Pradervand, E.** Kurzer Rückblick über die Behandlungsmethoden und die Heilresultate der Knochen-Gelenktuberkulose in der Militärheilanstalt Novaggio während der letzten 10 Jahre. Helvet. chir. acta, 1948, **15**: 345–51.—**Sarroste, J. G. G.** Tuberculose de la bourse séreuse péritrochantérienne à forme néoplasique. Bull. Soc. méd. mil. fr., 1925, **19**: 106–9. ——— Résultats et valeur d'aptitude militaire de la greffe ankylosante dans le traitement du mal de Pott. Ibid., 1936, **30**: 363–71. ——— Tuberculose ostéoarticulaire et greffe osseuse. Rev. Serv. san. mil., Par., 1936, **104**: 817–50.—**Sideman, S., & Barnett, H.** Mechanical external fixation of the hip joint. U. S. Nav. M. Bull., 1944, **42**: 687–93.—**Silberstein, S.** Du traitement par l'excitothérapie splénique des tuberculoses chirurgicales et de leurs complications. Rev. Corps san. mil., Par., 1945, **1**: 412–6.—**Warner, O. M.** Osteitis tuberculosa multiplex cystoides of the knee and elbow. Med. Bull. Veterans Admin., 1938–39, **15**: 304–6.—**Zalewski, F.** [Finikov method in treatment of surgical tuberculosis] Lek. wojsk., 1929, **13**: 541–7.

—— Otorhinolaryngological aspect.

Alkalay, B. G. [Tuberculosis of the ear in relation to allergy] Voj. san. glasnik, 1931, **2**: 380–96.—**Kelly, H. D. B.** A case of tuberculosis of the nose. J. R. Nav. M. Serv., 1942, **28**: 61.—**Vahdettin Ozan, & Ziver Berkman.** Bir iptidaî kulak tüberkülozu müşahedesi. Askerî sihhiye mecmuası, 1942, **71**: 57–66.

—— Pathogenesis.

Arborelius, M. [Recent researches on the development of pulmonary tuberculosis] Tskr. mil. hälsov., 1928, **53**: 187–202.—**Baldovino, C.** La tubercolosi secondo le concezioni moderne. Ann. med. nav., Roma, 1926, **2**: 322–30.—**Barbosa de Oliveira, S. R.** Tiziogênese do adulto. Arq. brasil. med. nav., 1943, **4**: 93–9.—**Burke, H. E.** Hematogenous and lymphogenous dissemination of tubercle bacilli. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 66.—**Coutinho, G.** Propagação bacilar por via cissural retrógada. Arq. brasil. med. nav., 1941, **2**: 639–52, 7 pl.—**Gaspar, I.** [Spreading of pulmonary tuberculosis infection through the lymphatic system and cervical and mediastinal ganglions] Rev. san. mil., Bucur., 1934, **33**: 99–103.—**Gilbert, M.** Infection bacillaire et formes évolutives de la tuberculose du jeune adulte. Vjschr. schweiz. Sanitätsoff., 1944, **21**: 12–7.—**Harris, W. H., jr.** Endogenous versus exogenous origin of reinfection type pulmonary tuberculosis; with case report. U. S. Nav. M. Bull., 1946, **46**: 1702–7.—**Leuret, E.** De la place et de l'importance des bacillémics et des septicémies à bacille de Koch dans l'évolution de la tuberculose pulmonaire. Arch. méd. pharm. mil., 1927, **87**: 443–51.—**Ornstein, C. G.** Modern concept of pulmonary tuberculosis. Bull. U. S. Army M. Dep., 1948, **8**: 489–92.—**Pasqualini, R. Q., & Olguín, V. V.** Anergia y resistencia frente al desarrollo de algunas lesiones tuberculosas. Rev. san. mil., B. Air., 1940, **39**: 1222–6.—**Wilton, A.** [Tuberculosis and fat soluble vitamins] Tskr. mil. hälsov., 1932, **57**: 311–23.

—— Pathology.

Britten, S. A. Pulmonary tuberculosis; review of sixty-six cases with anatomical findings. U. S. Nav. M. Bull., 1948, **48**: 132–9.—**Colton, W. A.** Basal lesions in pulmonary tuberculosis, with report of seven cases. U. S. Veterans Bur. M. Bull., 1928, **4**: 503–11, 8 pl.—**Johnson, G. L.** Tuberculosis of the liver, pericardium, myocardium, spleen, and adrenal glands. Med. Bull. Veterans Admin., 1932, **9**: 187–9.—**Jousset, A.** La tuberculose anthracosique. Arch. méd. pharm. mil., 1927, **87**: 452–7.—**Ohi, H.** Tanmatu no hai-kekkaku tiyu kiten ni oyobosu eikyō ni tukite no zikken-teki kenkyū [Experimentelle Untersuchung über den Einfluss der intravenösen Injektion von Kohlenstäubchen auf Tuberculosis pulmonum] Gun idan zassi, 1933, 137–54, 2 pl.—**Panà, C.** Alcuni aspetti anatomo-patologici della tubercolosi durante il tempo di guerra. Lotta tuberc., 1947, **17**: 522.—**Pasqualini, R. Q., & Querol, H. E.** Poliserositis tuberculosa iniciada en el período prealérgico. Rev. san. mil., B. Air., 1940, **39**: 1227–30.—**Sanders, A. O.** Report of 50 autopsies in which the primary cause of death was pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1929, **5**: 178–87.—**Tomescu, V.** [Tubercular bacillemia in man and animals] Rev. vet. mil., Bucur., 1934, **5**: 163–79.

—— Physiopathology.

Abe, M. Zikken-teki kekkaku kansen zen-go ni okeru kato nyō-tyū vitamin B_1 no syōtyō ni tuite [Variations in the vitamin B_1 in the urine of the rabbit before and after experimental infection with tuberculosis] Kaigun gun-ikai zassi, 1941, **30**: 95–106.—**Barlow, N.** Activity in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1925, **1**: 1–3.—**Sylvestre, E.** A study of protein requirement in pulmonary tuberculosis. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 74.—**Tawara, H.** Teiatu no kekkaku kansen dōbutu ni oyobosu eikyō ni kansuru zikken-teki kenkyū [Experimental study on the effect of low pressure on animals suffering from tuberculosis] Kaigun gun-ikai zassi, 1941, **30**: 150–65, 3 pl.

—— Prevention.

See also other subheadings of **Tuberculosis**; also **Tuberculosis geography**; **Tuberculous**, Treatment, specific.

Almeida Magalhães. Vacinação antituberculosa. Rev. med. mil., Rio, 1935, **24**: 19–32.—**Gómez López, A.** La profilaxis de la tuberculosis en el Ejército. Med. & cir. guerra, 1947, **9**: 245–9.—**Knopf, S. A.** La prévention des rechutes parmi les soldats et marins guéris de la tuberculose. Union méd. Canada, 1919, **48**: 263–86.—**Prophylactic** vaccination of the newly-born against tuberculosis. J. R. Army M. Corps, 1927, **49**: 279–82.—**Sotty, J.** La conduite à tenir vis-à-vis des militaires devenus tuberculeux au cours du service, au point de vue de la prophylaxie. Bull. Soc. méd. mil. fr., 1935, **29**: 65–71.

—— Problems.

Badger, T. L. Recovered allied military personnel; the problem of tuberculosis. In: Interallied Conf. War Med. (1942–45) 1947, 479–81.—**Durel, W. J.** Important factors relative to tuberculosis in Army and civil practice. N. Orleans M. & S. J., 1918–19, **71**: 92–100.—**Fränkel.** Ueber Lungentuberkulose vom militärischen Standpunkt. Deut. med. Wschr., 1916, **42**: 990; Disc., 1273.—**Hesselvik, L.** Till frågan om det militära tuberkulosarbetet. Sven. läk. tidn., 1943, **40**: 2770–3.—**Lincoln, L. A.** Solving tuberculosis problems in wartime. Pub. Health Nurs., 1944, **36**: 394–8.—**Long, E. R.** Tuberculosis as a military problem. Am. Rev. Tuberc., 1945, **51**: 489–504.—**Militaire** keuring en tuberculose. Tegen de tuberculose, 1947, **43**: No. 6, 14.—**Reynolds, C. R.** Tuberculosis and military medicine. Med. Clin. N. America, 1941, **25**: 1553–88.—**Ronzoni, G.** Le malattie tubercolari in rapporto al servizio militare con speciale riguardo allo stato attuale di guerra. Pensiero med., 1917, **7**: 396; 404.—**Tuberculosis** problem in the postwar world. Statist. Bull. Metrop. Life Insur., 1944, **25**: No. 9, 2–4.—**Ursu, L., Mihail, N., & Bumbăcescu, N.** Lungentuberkuloseproblem im Krieg. Zbl. ges. Hyg., 1942–43, **50**: 628 (Abstr.)

—— Prognosis.

Crofton, G. H. Prognosis in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4**: 667–70.—**Gines, A. R.** Valor pronóstico del estudio sanguineo en la tuberculosis pulmonar.

Rev. san. mil., Asunción, 1939–40, **13**: 1008–19.—**González Ancira, E.** Curación de la tuberculosis pulmonar; investigación de laboratorio. Rev. méd. mil., Méx., 1939, **2**: No. 6, 3–10.—**Harrod, C. P.** Marked improvement in far advanced pulmonary tuberculosis. Med. Bull. Veterans Admin., 1934–35, **11**: 353.—**Kaetu, M.** Hai-kekkaku ni yoru zyoyaku-sya no yogo ni tuite [Prognosis of those excused from military service because of pulmonary tuberculosis] Gun idan zassi, 1930, 331–8.—**Pegado Junior, D.** A tuberculose e o candidato ao trabalho. Rev. med. mil., Rio, 1942, **31**: 161–5.—**Pillsbury, E. D.** Prognosis in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4**: 1029–31.

—— Radiography.

See also **Thoracic radiography.**

LENOIR, G. L. G. *La radiophotographie par la méthode de Manoel de Abreu en milieu militaire. 50p. 25½cm. Par., 1939.

SZERREIKS. Ueber Ergebnisse von Röntgenreihenuntersuchungen in ihrer Beziehung zur D. B.-Frage bei Lungentuberkulose. p.72–126. 23cm. Berl., 1939.

In: Veröff. Heer. San., 1939, No. 108.

Arlabosse, J. Le dépistage de la tuberculose pulmonaire dans l'Armée; réflexions sur la pratique de la radioscopie systématique. Bull. Soc. méd. fr., 1937, **31**: 269–78.—**Aujaleu, E.** Influence de la radioscopie systématique sur la morbidité par tuberculose des soldats du contingent. Ibid., 1939, **33**: 196–205. Also Rapp. Congr. nat. tuberc., 1939, 9. Congr., 376–9. ——— La radioscopie systématique dans l'armée. Praxis, Bern, 1942, **31**: 621 (Abstr.)—**Becherescu, N.** Aspectul radiologic al stadiului hilar in tuberculoza pulmonară cronică la adult. Rev. san. mil., Bucur., 1937, **36**: 222–7.—**Breccia, G.** Radiologia e tubercolosi polmonare. Gior. med. mil., 1937, **85**: 231–5.—**Brown, L.** Value of roentgen ray in diagnosis of pulmonary tuberculosis in war time. J. Am. M. Ass., 1918, **70**: 516–9.—**Campbell, J. F. M.** Radiological diagnosis of pulmonary tuberculosis. J. R. Nav. M. Serv., 1944, **30**: 45.—**Cassou, R.** A propos de la radioscopie systématique des contingents militaires. Bull. Soc. méd. mil. fr., 1937, **31**: 335–8.—**Comelli, U.** Il contributo dell'indagine radiologica nelle operazioni di reclutamento con particolare riguardo alla profilassi antitubercolare nell'esercito. Gior. med. mil., 1939, **87**: 1007–12.—**Delherm & Kindberg, L.** Rôle et résultat de la radiologie dans les diagnostic de la tuberculose pulmonaire chez les soldats; le fonctionnement d'un service de triage aux armées. J. radiol. électr., 1916–17, **2**: 572–7.—**Détré, G.** La radioscopie chez les soldats suspects de tuberculose. Presse méd., 1919, **27**: 384.—**Dunham, K., & Hayes, J. N.** Comparisons of stereoroentgenograms of the chest with autopsy findings at U. S. A. General Hospital No. 10, Oteen, N. C. Tr. Nat. Tuberc. Ass., N. Y., 1919, **15**: 324–9.—**Dutrey.** Historique et enseignements de la radioscopie systématique. Bull. Soc. méd. mil. fr., 1937, **31**: 424–34.—**Edwards, H. R., & Ehrlich, D.** X-raying military men. J. M. Soc. N. Jersey, 1941, **38**: 555.—**Esiutin, S. E., & Skoropostizhny, D. V.** [Roentgen examinations of recruits] Probl. tuberk., Moskva, 1939, No. 8, 95.—**Fournié & Frézouls.** La radiophotographie; essais d'application au dépistage de la tuberculose pulmonaire dans la collectivité militaire. J. radiol. électr., 1939, **23**: 353–5. Also Deut. Militärarzt, 1940, **5**: 505 (Abstr.) ——— La radiophotographie appliquée au dépistage de la tuberculose pulmonaire dans l'armée. Rapp. Congr. nat. tuberc., 1939, 9. Congr., 408–10.—**Garewicz, H.** [Contribution to the technic of radiography and radioscopy of the apex pulmonis] Lek. wojsk., 1928, **11**: 30–2.—**Grenet, H.** Utilité de la radioscopie pour la sélection rapide des tuberculeux aux armées. Paris méd., 1916, **18**: 84–6.—**Halák, O.** Specifická dispozícia súrodencov za vojenskej služby. Voj. zdrav. listy, 1948, **17**: 337–40.—**Hein.** Classification of findings made by the X-ray projection method. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 339–41.—**Iliescu, C. N.** Contribuţiuni la studiul radiologic al cavernelor tuberculoase. Rev. san. mil., Bucur., 1937, **36**: 822–30, illust.—**Jalet, J.** De l'hyper-téléradiographie en milieu militaire: les moyens de la réaliser avec les appareillages actuellement existants dans les centres de radiologie; son application à la radiographie pulmonaire en groupe et à la localisation des projectiles. Bull. Soc. méd. mil. fr., 1937, **31**: 536–46.—**Lascalea, M. C.** Las falsas tuberculosis pulmonares radiológicas. Rev. san. mil., B. Air., 1938, **37**: 700–9.—**Le Bourdellès, B.** Quelques réflexions sur la radioscopie systématique dans l'Armée. Bull. méd., Par., 1937, **51**: 765–7.—**Manlio, C.** L'esplorazione radiologica del torace nella tubercolosi polmonare. Ann. med. nav., Roma, 1930, **36**: pt 2, 682–98.—**Marković, A.** [Pulmonary tuberculosis in radiography and radioscopy] Voj. san. glasnik, 1931, **2**: 304–14.—**Mass** radiography for the detection of tuberculosis in recruits. J. Am. M. Ass., 1942, **119**: 1037.—**Merlo Gómez, J. F.** Exploración radiológica de los vertices pulmonares para el estudio de la tuberculosis en el conscripto. Rev. san. mil., B. Air., 1937, **36**: 499–524.—**Miniature** radiography and sputum examination of recruits. J. Am. M. Ass., 1941, **117**: 948.—**Montague, E. A.** The value of the Roentgen ray in the diagnosis, treatment and prognosis of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6**: 777–9.—**Moorehead, M. T.** The value of serial röntgenograms in the early diagnosis of active pulmonary tuberculosis, with suggestions for improving routine methods of detecting positive sputum. Med. Bull. Veterans Admin., 1932, **9**: 35–8.—**Navarro Cánovas, B.** Valor diagnóstico de los rayos Roentgen en la tuberculosis pulmonar. Rev. san. mil., Madr., 1917, 3. ser., **7**: 729–35.—**Nowakowski, F.** [Radiological examination and Bierniacki's reaction in suspected pulmonary tuberculosis] Lek. wojsk., 1932, **20**: 312.—**Peters, J. J.** Some phases of Röntgen diagnosis of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6**: 772–6, 3 pl.—**Přeborovský, F.** Vyšetření mužstva jedné posádky miniaturní radiografií a její význam v boji proti tuberkuloze. Voj. zdrav. listy, 1948, **17**: 24–30.—**Proton.** La pratique de la radio-photographie dans les pays anglo-saxons. Bull. Soc. méd. mil. fr., 1945, **39**: 165–73.—**Prouzet.** Influence de la radioscopie systématique sur la morbidité par tuberculose des soldats du contingent. Ibid., 1939, **33**: 291.—**Ruzo, G., Bocalandro, C. A.** [et al.] Primeros ensayos de roentgenfotografía en el Ejército. Rel. Congr. panamer. tuberc., 1940, 5. Congr., **2**: 190–7. ——— Importancia del catastro radiográfico en los establecimientos industriales. Rev. san. mil., B. Air., 1940, **39**: 1131–7.—**Ruzo, G., Bocalandro, C. A., & Criscuolo, E.** Fundamentos de los exámenes radiográficos sistemáticos en el Ejército. Rel. Congr. panamer. tuberc., 1940, 5. Congr., **2**: 182–9. Also Rev. san. mil., B. Air., 1940, **39**: 1110–5.—**Sakorrafos.** Diagnostic précoce de la tuberculose. Qui doit-on exempter du service de l'armée? La radioscopie. Bull. Soc. méd. hôp. Paris, 1918, 3. ser., **42**: 661.—**Salotti, A.** Il quadro radiologico del torace normale; dalla conferenza tenuta al VI Congresso nazionale contro la tubercolosi. Ann. med. nav., Roma, 1938, **44**: 256.—**Sauter, A.** Das Schirmbildverfahren im Kampfe gegen die Tuberkulose. Militärsanität, Zür., 1946, **28**: 46.—**Shampaner, B. E.** K voprosu o rentgenoskopii grudnoj kletki u prizyvnikov. Voen. san. delo, 1940, No. 6, 93.—**Shewalter, G. M.** Röntgenology in tuberculosis. U. S. Veterans Bur. M. Bull., 1927, **3**: 587–90.—**Spillman, R.** The value of radiography in detecting tuberculosis in recruits. J. Am. M. Ass., 1940, **115**: 1371–8.—**Thompson, E., & Gall, H. L.** A possible new X-ray sign of tuberculosis. U. S. Nav. M. Bull., 1915, **9**: 436–8, 3pl.—**Uehlinger, E.** Leistung und Grenzen der einmaligen Reihendurchleuchtung in der Bekämpfung der Tuberculose. Vjschr. schweiz. Sanitätsoff., 1945, **22**: 94–101.—**Ulrici, H.** Ueber Röntgenreihenphotographie. Beitr. Klin. Tuberk., 1939, **93**: 350–3.—**Vasfi Yener** [Technique and methods of roentgendiagnosis of pulmonary tuberculosis] Askeri sihhiye mecmuası, 1941, **70**: 52–61.—**Weber, H. H.** Kritische und kasuistische Beiträge zum Thema: Röntgendurchleuchtung in der Armee. Schweiz. med. Wschr., 1943, **73**: 793–6, 2pl.—**Wynne, W. R.** Roentgenological diagnosis of pulmonary tuberculosis. Med. Bull. Veterans Admin., 1931, **7**: 1153–9.

—— Respiratory system.

See also subdivision (Lung)

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 71: Tuberculous pleurisy with effusion. 3p. 26cm. Wash., 1944.

Bacon, H. P. The treatment of tuberculous empyema complicating collapse of lung. Med. Bull. Veterans Admin., 1934, **10**: 302–4.—**Bailey, J. L.** Tuberculous tracheobronchitis. Ibid., 1940–41, **17**: 358–61.—**Bejarano, J. F. R.** Tratamiento y profilaxis de las neumonías agudas no tuberculosas. Rev. san. mil., B. Air., 1944. **43**: 109º; passim.—**Bialokur, F.** Stany astmatyczne jako odległy skutek zakażenia gruźliczego; klinika symbiozy gruźliczej. Lek. wojsk., 1927, **9**: 291–303, tab.—**Borissaulyević, G.** [Tuberculosis of the upper respiratory tract] Voj. san. glasnik, 1931, **2**: 397–404.—**Bronczyk, S.** [Tuberculosis of the larynx from the point of view of recent researches] Lek. wojsk., 1937, **30**: 449; 527.—**Davidović, S.** [Pleural empyema and tuberculosis] Voj. san. glasnik, 1931, **2**: 371–9.—**Dubau, Aujaleu & Bolot.** Présentation d'un malade traité par pleuro-thoraco-pleurectomie pour tuberculose pleurale. Bull. Soc. méd. mil. fr., 1939, **33**: 297.—**Emery, G. C.** Broncho-thoracic fistula complicating pulmonary tuberculosis. Med. Bull. Veterans Admin., 1935, **12**: 193.—**Finkler, E.** Pleuritis exsudativa und spätere Tuberkulose-Erkrankung; statistische Erhebung an 548 Militärpatienten. Schweiz. Zschr. Tuberk., 1947, **4**: 372–86.—**Fox, N. S.** Cod-liver oil in the local treatment of tuberculous pharyngitis and laryngitis. Med. Bull. Veterans Admin., 1939–40, **16**: 149–51.—**Gandullo Solsona, L.** Nuestra experiencia sobre tuberculosis laríngea; antes y después de la estreptomicina. Med. & cir. guerra, 1949, **11**: 511–4.—**Happel, J. H.** Spontaneous pneumothorax in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 1032–6.—**Harrod, C. P.** Tuberculosis empyema treated by injection of alcohol. Med. Bull. Veterans Admin., 1937–38, **14**: 380.—**Jalet, J. A. F.** Etude anatomo-radiologique sur les affections tuberculeuses des plèvres de la grande cavité et des scissures normales et surnuméraires. Arch. méd. pharm. mil., 1935, **102**: 193–237.—**Karron, I. G., & Purves, R. K.** Tuberculous pleurisy with effusion; an analysis of 215 cases hospitalized at an Army chest center. Am. Rev. Tuberc., 1947, **56**: 184–9. Also Bull. U. S. Army M. Dep., 1948, **8**: 131–6.—**Laurie, W.** Phthisis following pleurisy. J. R. Army M. Corps, 1941, **76**: 270–81.—**Luzzatti, A.** Autosieroterapia e tubercolosi laringea. Ann. med. nav., Roma, 1927, **2**: 10–5.—**Mairoser, G.** Tuberculous empyema. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 2, 8–10.—**Malone, J. T.** The asthmogenic significance

of pulmonary cavitation in tuberculosis associated with asthma Med. Bull. Veterans Admin., 1931, 7: 799–802.—**Marmoiton, J. E.** Les laryngites tuberculeuses. Rev. Serv. san. mil., Par., 1937, 106: 29–53.—**Minet, R.** Pleurésie purulente tuberculeuse au cours du pneumothorax thérapeutique. Arch. Serv. san. Armée belge, 1946, 99: 155–61.—**Nakano, Y.** Kyōmakuen tiken 828 rei no ni-san no tōkei-tcki kansatu narabi-ni hon-syō to kekkaku to no kankei ni tuite [Einige Beobachtungen an 828 Pleuritisfällen vom Gesichtspunkt der Beziehung zwischen Pleuritis und Tuberkulose] Kaigun gun-ikai zassi, 1937, 26: 308–21.—**Ontaneda, L. E., & Röttjer, E. A.** La pleuritis en el periodo prealérgico de la tuberculosis. Rev. san. mil., B. Air., 1935, 34: 86–113.—**Parish, B. B.** Tuberculosis of the larynx. U. S. Veterans Bur. M. Bull., 1931, 7: 235–8.—**Pérez, B.** Pleuresías purulentas no tuberculosas y sus secuelas. Rev. san. mil., B. Air., 1942, 41: 858–64.—**Rajewska, E.** [Agglutination in pleural exudates of tuberculous origin] Lek. wojsk., 1930, 15: 177–81.—**Roulin, G.** Remarques sur cent cas de pleurésie séro-fibrineuse tuberculeuse. Bull. Soc. méd. mil. fr., 1935, 29: 219–29.—**Serrano Salcedo, M.** Estreptomicina y tuberculosis laríngea. Med. & cir. guerra, 1949, 11: 27–34.—**Stocks, P., & Lewis-Faning, E.** Wartime incidence of and mortality from respiratory tuberculosis. Brit. M. J., 1944, 1: 581–3.—**Suraci, F. X.** The necessity of immediate and persistent treatment in laryngeal tuberculosis. Med. Bull. Veterans Admin., 1932, 8: 53–5.—**Tolosa, E. E.** Tisiogenesis laríngea. Rev. san. mil., B. Air., 1939, 38: 505–18.—**Vaja, G.** Tuberculoza şi dilataţia bronhiilor. Rev. san. mil., Bucur., 1935, 34: 289–98.—**Valentini, V.** Contributo alla conoscenza delle pleuriti tubercolari nelle loro iorme anatomo-patologiche e nel loro meccanismo patogenetico. Gior. med. mil., 1943, 91: 170–91.—**Van Horne, H.** Some observations upon the treatment of laryngeal tuberculosis. U. S. Veterans Bur. M. Bull., 1926, 2: 1027–31.—**Vialard.** Considérations cliniques et pathogéniques sur quelques cas de tuberculose pleurale diaphragmatique droite; suite d'hépatite amibienne et palustre. Arch. méd. pharm. mil., 1927, 87: 468–75.—**Von Fraenkel, P. H.** Oro-laryngeal tuberculosis; report of a case. U. S. Nav. M. Bull., 1949, 49: 536–41.—**Walker, A. G.** Secondary tuberculosis of the pleura and liver simulating a malignant neoplasm. U. S. Veterans Bur. M. Bull., 1930, 6: 196–200, pl.—**Wigglesworth, A. M.** The recognition and treatment of laryngeal tuberculosis. Ibid., 378–80.

—— Serodiagnosis.

Bacon, H. P. A study of Larson's ring test applied to 315 cases of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1926, 2: 56–60.—**Criscuolo, E.** Valoración de las curvas de aglutinación en vacunados con T. A. B.; en el curso de algunas enfermedades infecciosas. Rev. san. mil., B. Air., 1940, 39: 461–76.—**Fisichella, G., & Albini, A.** Importanza delle reazioni sierologiche nella infezione tubercolare. Gior. med. mil., 1940, 88: 173–88.—**Fölsch & Gutschmidt.** Chirurgische Tuberkulose und Komplementbindungsreaktion. Veröff. Heer. San., 1938, H. 105, 471–7.—**Graubner, E.** [Value of the Kabclik-Gellner's reaction in tuberculosis] Voj. zdrav. listy, 1935, 11: 74–83.—**Hilgers, W. E., & Sachs-Muke.** Prämonitorische Serumreaktionen bei anscheinend tuberkulosefreien Rekruten. Zschr. Tuberk., 1928, 51: 468–73.—**Jones, L. R.** Instability of colloids and the complement fixation reaction in tuberculosis. U. S. Veterans Bur. M. Bull., 1926, 2: 474–80.—**Josewich, A., & Grave, F.** Correlation of clinical and laboratory procedures in tuberculosis; the complement fixation test. Ibid., 346–56.—**La Terza, E.** Sulla deviazione del complemento nei conigli trattati con bacilli tubercolari del tipo umano e del tipo bovino. Ann. med. nav., Roma, 1931, 37: pt 1, 128–43.—**Millischer, P.** A propos de la résorcino-réaction de Vernes. Bull. Soc. méd. mil. fr., 1935, 29: 27–31.—**Okamura, T.** Kekkaku-sei sikkan ni okeru ketueki syo-hannō ni tuite; sekkekkyū-tinkō hannō wo taisyō to seru Weltmann-Havas kessei gyōko-tai hannō oyobi Kopaczewski kessei nyūsan gyōko hannō (lactogelification) no rinsyō-teki kansatu [Blood reaction in tuberculous diseases; clinical observations on the Weltmann-Havas serum coagulation band reaction compared with the time or erythrocytic sedimentation and Kopaczewski's serum lactogelification] Kaigun gun-ikai zassi, 1941, 30: 36–41. ——— Kekkaku-sei sikkan ni okeru ketueki syo-hannō ni tuite; yo no iwayuru ketueki nyūsan gyōko hannō ni tuite [Blood reaction in tuberculous diseases; on the author's socalled blood lactogelification] Ibid., 107–10.—**Piccioli, E.** La deviazione del complemento con l'antigene di Besredka nelle forme tubercolari ed in quelle sospette. Gior. med. mil., 1934, 82: 911–7.—**Pollák, R., Buček, F., & Uher, V.** [Kabelík-Gellner's reaction in tuberculosis] Voj. Zdrav. listy, 1929, 5: 89–96.—**Quérangal des Essarts, J.** Considérations sur la séroflocculation à la résorcine à l'incorporation des recrues. Arch. Inst. prophyl., Par., 1935, 7: 298–308.—**Roulin, G.** Dépistage de la tuberculose et réaction de Vernes. Bull. Soc. méd. mil. fr., 1934, 28: 90–6. ——— Sur la valeur diagnostique de la séroflocculation de Vernes à la résorcine. Ibid., 1935, 29: 119.—**Satō, K., & Wakabayasi, S.** Kekkaku hotai ketugō hannō ni yoru kenkō-hei narabi ni kyōmakuen kanzya no kekkaku tyōsa [The examination for tuberculosis of healthy soldiers and of sufferers from pleurisy by use of the tuberculosis complement fixation reaction] Gun idan zassi, 1930, 621–64. Also Kekkaku, 1930, 8: 744–88.—**Sivori, L.** Reazioni immunitarie nella tubercolosi. Gior. med. mil., 1920, 68: 96.—**Takamura, K.** Kekkaku-sei sikkan ni okeru Frisch-Starlinger hannō no rinsyō-teki kati [The clinical value oi the Frisch-Starlinger reaction in tuberculous diseases] Kaigun gun-ikai zassi, 1940, 29: 400–6.—**Telatycki, M.** [Author's modification of Weltmann's reaction and dynamic index in the course of chronic pulmonary tuberculosis] Lek. wojsk., 1937, 29: 596–17.—**Uglov, V. A.** [Serodiagnosis of tuberculosis by deviation of the complement] Voen. med. J., Petrogr., 1915, 243: Med. spec. pt, 43–8.—**Urbain, A.** La réaction de fixation appliquée au diagnostic des tuberculoses animales. Arch. méd. pharm. mil., 1927, 87: 543–52.

—— Service origin.

Euthymiou, C. *Etude sur la tuberculose pulmonaire post-traumatique. 84p. 8° Lyon, 1918.

Heitzler, A. *Beiträge zur Frage der Feldzugsphthise nach Erfahrungen aus dem Reserve-Lazarett Lehrerseminar (Beobachtungsstation) zu Freiburg i. Br. 25p. 8° Freib. i. B., 1919.

Lapèlerie, J. *La primo-infection tuberculeuse dans l'Armée. 99p. 8° Lyon, 1937.

Martres, M. *Etude statistique des modalités cliniques de la tuberculose en milieu militaire. 91p. 25cm. Lyon, 1939.

Steinmeyer, H. E. O. Wehrdienstbeschädigung bei Lungentuberkulose und Lungenschüssen in Röntgenbildern. 115p. 24cm. Lpz., 1940.
Forms H. 25, Prakt. Tuberk. Bücher.

Baldenius. Dienstbeschädigung bei Tuberkulose. Veröff. Heer. San., 1937, H. 102, 311–22.—**Barach, A. L., Johnson, A. E., & Rule, C.** Development of active pulmonary tuberculosis as the probable result of decompression sickness at simulated altitudes above 40,000 feet. J. Aviat. M., 1945, 16: 152–5.—**Bauer, A.** Die Lungentuberkulose als Kriegskrankheit. Zschr. Tuberk., 1923, 39: 194.—**Blümel, K. H.** Zur Frage der Brückenzeichen bei der Anerkennung der Tuberkulose als Kriegsfolge. Tuberkulose, Münch., 1928, 8: 18; 39. ——— Neue Gesichtspunkte bei der Fachbegutachtung Lungenkranker in bezug auf Kriegsdienstbeschädigung. Ibid., 1929, 9: 56; 78.—**Blumenfeld, F.** Zur Begutachtung der Tuberkulosen als Kriegsbeschädigung. Ibid., 1927, 7: 199–201.—**Bochalli.** Die Lungentuberkulose der Kriegsbeschädigten im Lichte späterer Heilstättenkur. Beitr. Klin. Tuberk., 1920, 46: 88–104.—**Brecke, F.** Ueber Primärtuberkulosen bei Soldaten. Praxis, Bern, 1942, 31: 729 (Abstr.) Also Schweiz. med. Wschr., 1942, 72: 1110 (Abstr.)—**Carelli.** Traumi di guerra e tubercolosi polmonare. Lotta tuberc., 1943, 14: 281–3.—**Cooper, A. T., & Van Valzah, S. L.** Line of duty in pulmonary tuberculosis. Mil. Surgeon, 1929, 65: 53–8.—**Deist, H.** Die Bedeutung der Tuberkulose als Dienstbeschädigung für die Wehrmacht. Beitr. Klin. Tuberk., 1939, 93: 325–49.—**Dimitrov, M.** Der Primärkomplex in Soldatenalter. Tuberculosis, Lpz., 1943–44, 18: 228–41, illust.—**Düll, W.** Lungentuberkulose und Kriegsdienstbeschädigung nebst einigen allgemeinen Bemerkungen. Tuberkulose, Münch., 1928, 8: 67–72.—**Eiselt, R.** O vlivu služby válečné na průběh a komplikace tuberkulosy. Cas. lék. česk., 1918, 57: 21; passim.—**Fernandes, R.** A tuberculose primária como problema de saúde de guerra; objectivos do serviço de saude. Rev. paul. tisiol., 1943, 9: 30–47.—**Ferrannini, A.** Per i feriti della tubercolosi. Boll. Soc. eustach., 1916, 14: No. 4, 1–9.—**Franke, J.** Zur Beurteilung der D. B.-Frage bei Lungentuberkulose im Arbeitsdienst und aktiven Militärdienst. Med. Welt, 1937, 11: 1721–6.—**Frehse, K.** Zur Frage der Brückenzeichen bei der Anerkennung der Tuberkulose als Kriegsfolge. Tuberkulose, Münch., 1928, 8: 99–102.—**Gerber, P.** Die Phthiseogenese der Kriegsteilnehmer (ein Beitrag zur Dispositionsfrage) Wien. klin. Wschr., 1924, 37: 431–3.—**Gilbert, M.** Remarques sur les primo-infections ganglio-pulmonaires à l'armée. Radiol. clin., Basel, 1942, 11: 79–85.—**Handelzalc, A.** Gruźlica płuc w armii w czasie wojny. Lek. wojsk., 1949, 25: 270–5.—**Hochstetter.** Aus meiner Gutachtermappe; fachärztliche Stellungnahme in der D. B.-Frage des verstorbenen R. B. Deut. Tuberk. Bl., 1938, 12: 7. ——— Aus meiner Gutachtermappe; fachärztliche Stellungnahme zur Frage der E. M. bei dem Kriegsbeschädigten L. Ibid., 1939, 13: 14–7.—**Kartagener, M.** Primoinfektion im Militärdienst. Schweiz. med. Wschr., 1942, 72: 709.—**Klionsky, E. E.** Tuberkulez i boevaja travma. In: Opyt sovet. med. Velik. otech. voine, Moskva, 1950, 25: 238–52.—**Le Bourdellès, B.** La primo-infection tuberculeuse dans l'armée. Paris méd., 1935, 95: 16–20.—**Lemos, M. de.** A vida militar como factor da tuberculisação dos nossos soldados. Rev. med. cir. Brasil, 1930, 38: 308–14.—**Löffler, W.** Tuberkulöse Gruppenerstinfektion im Militärdienst. Schweiz. med. Wschr., 1943, 73: 1586 [Discussion] ——— & **Kartagener, M.** Primärtuberkulose und Metatuberkulose im Militärdienst. Ibid., 1941, 71: 1615–21.—**Löffler, W., & Zwingli, F.** Ueber tuberkulöse Gruppen-Primoinfektion im Militär und im Zivilleben. Ibid., 1943, 73: 761–9.—**Mason, G. A.** Service aspects of pulmonary tuberculosis. J. R. Nav. M. Serv., 1938, 24: 2–9.—**Mayer, H.** Die tuberkulöse Erstinfektion im Heer. Deut. Militärarzt, 1939, 4: 119–24.—**Mayrhofer, H.** Die Lungentuberkulose als D. U.-Leiden. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 237–41.—**Meersseman, F.** La

primo-infection tuberculeuse dans l'armée. Bull. Soc. méd. mil. fr., 1937, **31**: 185–96. Also Rev. tuberc., Par., 1937, 5. ser., **3**: 1089–95. ——— **Camelin, A., & Dicharry, M.** Quelques commentaires à propos de huit nouveaux cas de primo-infection tuberculeuse de l'adulte observés en milieu militaire. Bull. Soc. méd. mil. fr., 1939, **33**: 308–14.—**Menzel, R.** Alte, narbige Lungentuberkulose nicht im Zusammenhang mit einer Kriegsschussverletzung stehend. Tuberkulose, Münch., 1928, **8**: 98.—**Nissen, K.** Zur Dienstbeschädigung Lungentuberkulöser. Deut. Militärarzt, 1938, **3**: 241–5.—**Oehlecker, F.** Die chirurgischen Tuberkulosen in ihrer Beziehung zum Betriebsunfall und zur Wehrdienstbeschädigung. Chirurg, 1943, **15**: 65; 101.—**Panagia, A.** La valutazione di dipendenza da causa di servizio della tubercolosi nell'esercito. Gior. med. mil., 1939, **87**: 231–49. Also Deut. Militärarzt, 1940, **5**: 505 (Abstr.)—**Rho, F.** Qualche considerazione sulla tubercolosi nell'ambiente militare. Med. ital., 1925, **6**: 542–53.—**Rieckenberg, H.** Lungentuberkulose nach Lungenschuss als Späterkrankung. Deut. Militärarzt, 1940, **5**: 505 (Abstr.)—**Ritter, J.** Was bedeutet: Wesentliche Veränderung bei lungenkranken Kriegsbeschädigten? Med. Welt, 1933, **7**: 881–4.—**Roepke.** Tuberkulose und Kriegsteilnehmer. Zschr. Medbeamte, 1915, **28**: 313–38.—**Rühe.** Dienstbeschädigung im Sinne der Verschlimmerung und vordienstlicher Leidenszustand. Deut. Militärarzt, 1938, **3**: 245–7. ——— Lungentuberkulose als Beschädigung bei besonderem Einsatz. Ibid., 1943, **8**: 194–6.—**Scharl, P.** A katonai szolgálat befolyása a gümökóros megbetegedésre békében és háborúban. Orv. hetil., 1915, **59**: 141; 161.—**Schedtler, O.** Der Einfluss des Felddienstes auf Eintritt, Ausbreitung und Ablauf der Lungentuberkulose. Med. Klin., Berl., 1939, **35**: 1389.—**Scheidel, H.** Ueber den Verlauf, den jetzigen Stand und die Beurteilung der Lungentuberkulose bei Kriegsteilnehmern. Münch. med. Wschr., 1934, **81**: 1203–7.—**Schnizer.** Ursächlicher Zusammenhang zwischen Dienstbeschädigung und Tod bei Tuberkulose nicht anerkannt. Fortsch. Med., 1926, **44**: 543. ——— Dienstbeschädigung für Tuberkulose nicht angenommen. Ibid., 715. ——— Dienstbeschädigung für Tuberkulose angenommen. Ibid., 789. ——— Zusammenhang zwischen Lungentuberkulose und Dienstbeschädigung abgelehnt. Med. Klin., Berl., 1926, **22**: 417. ——— Dienstbeschädigung für Lungentuberkulose nach hämolytischem Ikterus nicht anerkannt. Ibid., 1267. ——— Lungentuberkulose als Dienstbeschädigung anerkannt. Ibid., 1534–6. ——— Dienstbeschädigung für Tuberkulose angenommen. Ibid., 1927, **23**: 878; 1928, **24**: 2016.—**Sforza, N.** Pensiamo ai ferita della tubercolosi. Riv. osp., 1916, **6**: 750–71.—**Signorelli, A.** La tubercolosi considerata come malattia dipendente dalle fatiche e dai disagi della guerra. Gior. med. mil., 1917, **65**: 877–83. ——— Tubercolosi di guerra e tubercolosi dei combattenti. Tubercolosi, 1918, **10**: 3–11.—**Sotelo Z., E.** Contribución al estudio de los infiltrados en el medio militar. Rev. san. mil., Lima, 1942, **15**: 45–75, 9 pl.—**Steinmeyer O.** Wehrdienstbeschädigung bei Lungentuberkulose. Deut. med. Wschr., 1941, **67**: 292–4.—**Tuberculosis** of seaman; causal connection with improper ventilation; interrogatories. Indust. Hyg. Digest, 1943, **7**: No. 10, 2.—**Waring.** Tuberculosis of men in service. Res. Program U. S. Army M. Res. Bd, 1947. July, 43–6.—**Wassmund, H.** Kann bei einer erst jahrelang nach Kriegsende als manifest erkannten Lungentuberkulose ein Zusammenhang mit dem Kriegsdienst angenommen werden? Tuberkulose, Münch., 1926, **6**: 250–5.—**Weil, P.** Kriegsdienstbeschädigung und Tuberkulose. Ibid., 1927, **7**: 42.

—— Skin and appendages.

Carman, W. L. Use of actinotherapy with results of treatment in a case of lupus vulgaris. U. S. Veterans Bur. M. Bull., 1927, **3**: 815–7.—**Gaumond, E.** Vitamin D_2 in the treatment of lupus vulgaris. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 74.—**Jame, L., & Meyer, J.** Lupus tuberculeux et aptitude au service militaire. Bull. Soc. méd. mil. fr., 1939, **33**: 376–8.—**Joel.** Das Schicksal der Wuppertaler Lupuskranken in Krieg und Nachkrieg. Derm. Wschr., 1947, **119**: 364.—**Oliveira Ponce, G. de.** Tuberculosoide. Rev. san. mil., Asunción, 1940–42, **14**: 455–64.—**Rouffiandis, E.** Tumeurs multiples de la peau et du tissue cellulaire sous-cutanée. Bull. Soc. méd. mil. fr., 1910, **4**: 398–402.—**Smelov, N. S., & Weinstein, A. B.** Vljanie voennogo vremeni na kliniku i tečenie volčanki. Vest. vener., 1945, 45–9.—**Whitmire, C. L.** Nail changes in pulmonary tuberculosis associated with mental diseases. Med. Bull. Veterans Admin., 1932, **8**: 385–94.—**Whitteridge, S. M.** Phthisis with papulo-necrotic tuberculide. J. R. Nav. M. Serv., 1940, **26**: 293.

—— Survey methods.

See also subheading (Radiography)

United States. Veterans Administration. Technical bulletin TB 10A-194: Instructions for preparation of Quarterly Report of Tuberculosis Case Finding Survey, VA Form 10–7384. 2p. 27cm. Wash., 1949.

—— TB 10A-195: Tuberculosis case finding survey program. 4p. 26½cm. Wash., 1949.

Anderson, W. N. The examination of large bodies of men for tuberculosis. Nebraska M. J., 1920, **5**: 105–9.—**Dutrey, M.** Résultats d'une bacilloscopie systématique en milieu militaire Rev. tuberc., Par., 1936, 5. ser., **2**: 483–6.—**Georgević, B.** [Significance of systematic examinations in the Army] Voj. san. glasnik, 1938, **9**: 513–8.—**Matutani, H.** Guntai ni okeru hai-kekkaku no sōki hakken-hō ni tuite [Ueber Entdeckungsmethode der Lungentuberkulose im frühen Stadium im Kasernenleben] Gun idan zassi, 1932, 79–98.—**Modern** bacteriologic methods prove invaluable in Army tuberculosis survey. Bull. Am. Acad. Tuberc. Physicians, 1941, **5**: 121–6.

—— Urinary tract.

Oppel, V. A. Бугорчатка почек. p.25–117. 25cm. S. Peterb., 1906.

Tr. Hosp. khir. klin. Fedorova Voen. med. akad., S. Peterb., 1906, **1**:

Cádiz Oyarzún, R., & Vicuña Monardes, H. Tuberculosis renal y sifo-escoliosis; nefrectomía. Rev. san. nav., Valparaiso, 1939, **9**: 30–7.—**Constantinescu, N. N., & Vintici, V.** [Care to avoid cystitis after nephrectomy in tuberculosis of the kidneys] Rev. san. mil., Bucur., 1929, **28**: 252–6.—**Delaye.** Sur un cas de tuberculose d'un rein présentant une duplicité urétérale: bassinet inférieur tuberculeux; bassinet supérieur légèrement hydronéphrotique; néphrectomie. Bull. Soc. méd. mil. fr., 1935, **29**: 155–8.—**Dolatkowski, A.** [Cases of tuberculosis of the kidneys] Lek. wojsk., 1929, **14**: 504–8.—**Eneren, B.** [Case of renal tuberculosis with nephrectomy under epidural anesthesia] Askerî sıhhiye mecmuası, 1937, **66**: 59–65.—**Ferguson, C.** Bilateral renal tuberculosis; a case report. Mil. Surgeon, 1937, **80**: 341–4.—**Kinsella, T. J.** The most effective treatment of genito-urinary tuberculosis. Rep. Conf. Veterans Admin. Physicians, 1938, 40–7.—**Lagleize, G.** Pielografia excretora y ascendente en tuberculosis renal incipiente. Rev. san. mil., B. Air., 1940, **39**: 134.—**Merritt, E. L.** Renal tuberculosis in a patient 74 years of age; report of a case. Mil. Surgeon, 1926, **59**: 470.—**Merz, H. E.** Les résultats de la réaction de fixation du complément appliquée à la tuberculose de l'appareil uro-génital. Arch. méd. pharm. mil., 1926, **85**: 279–95.—**Murata, S.** Zinzō kekkaku rinsyō-teki tiken hoi [Supplementary studies on clinical findings in tuberculosis of the kidney] Kaigun gun-ikai zassi, 1940, **29**: 577–82, 5pl.—**Nalty, W. C.** Coexistence of pulmonary tuberculosis and nephritis, Med. Bull. Veterans Admin., 1940–41, **17**: 348–53.—**Oudard.** Trois cas de tuberculose initiale du rein; néphrectomie sur division d'urines par cathétérisme urétéral. Arch. méd. pharm. nav., 1926, **116**: 153–8.—**René, J. A.** Nephritis in far advanced pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4**: 535–8.—**Sandrey, J.** Urinary tuberculosis. J. R. Nav. M. Serv., 1945, **31**: 45–57.

—— in animals.

Konrád, A. [Tuberculosis in horses] Voj. zdrav. listy, 1935, **11**: 184–93.—**Lorscheid.** Tuberkulose bei Truppenpferden. Deut. tierärztl. Wschr., 1916, **24**: 299. ——— Rotzähnlicher Fall von Tuberkulose bei einem Militärpferde. Ibid., 1917, **25**: 106.—**Marczewski, M.** [Methods of fighting tuberculosis among cattle] Lek. wojsk., 1929, **13**: 408–16.—**Rifat Maral.** [Report of the activity of the Military veterinary association for surgical tuberculosis, especially treatment of peri-paraproctal abscesses] Askerî vet. mecmuası, 1938, **15**: 301–6.—**Robin, V.** La tuberculose du cheval. Rev. vét. mil., Par., 1931, **15**: 449–65.—**Sadeddin Yarar** [Inoculation of cows against tuberculosis] Askerî tibbi baytarî mecmuası, 1937, **15**: 180–205.—**Turgut.** Beygirde tüberkülos. Ibid., 1929, **7**: 129–33.

—— in wartime.

Great Britain. Privy Council. Medical Research Council. Special reports series No. 246: Report of the Committee on Tuberculosis in War-time. 36p. 24½cm. Lond., 1942.

Great Britain. Socialist Medical Association. The war, tuberculosis, and the workers. 12p. 21½cm. Northwood, 1942.

Marini, B. La tubercolosi del tempo di guerra. p.33–52. 24cm. Roma, 1945.

In: Pat. tempo guerra (Ficacci, L., Marini, B., & Pietrogrande, V.)

Mistal, O. M. L'augumentation de la tuberculose et la guerre; problèmes sociaux; problèmes d'avenir. p.207–483. 23cm. Lausanne, 1947.

In his Tuberc. dans le monde.

Steinberg, S. *Quelques cas de tuberculose de guerre à évolution rapide. 33p. 24½cm. Montpellier, 1916.

Allbutt, T. C., Hope, E. W. [et al.] War and the future of the tuberculosis movement; a collection of representative opinions. Brit. J. Tuberc., 1916, **10**: 1–11.—**Anderson, B. W.** Tuberculosis and the war. Med. Off., Lond., 1947, **78**: 47–9.—**Austin, B. F.** Tuberculosis in wartime. Sanat. Outlook (Arkansas) 1945, **22**: 5.—**Babolini, G.** Rilievi anatomo—clinici e considerazioni patogenetiche sulla tubercolosi polmonare post-

primaria nel periodo bellico e postbellico. Arch. tisiol., Nap., 1947, 2: 429–65. ——— La tubercolosi polmonare post-primaria nel periodo bellico e postbellico. Ann. med. nav., Roma, 1948, 53: 133–42.—**Benda, R.,** & **Mollard, H.** Premières impressions sur les tuberculoses révélées ou réveillées par la guerre ou soi-disant telles. Gaz. méd. France, 1939, 46: 971–5.—**Benjamin, P. L.** Tuberculosis and the war. J. Lancet, 1917, 37: 442.—**Blasi, A.** Il decorso della tubercolosi post-primaria nel periodo bellico visto attraverso indagini anatomo-patologiche di massa. Arch. tisiol., Nap., 1947, 2: 501–17.—**Boudrau, L.** Tuberculose de guerre et. ... Iode. J. méd. Bordeaux, 1917, 47: 129–32.—**Bourgeois, L.** La guerre et la lutte antituberculeuse. Rev. sc., Par., 1915, 1: 241.—**Brennan, B. C.** Program for war. California West. M., 1942, 57: 48.—**Brion, A.** Lungentuberkulose und Krieg. Strassburg med. Ztg, 1915, 12: 54–60.—**Burkard, O.** Tuberkulose und Krieg. Oeff. Gesundhdienst., 1944, 10: B, 113–7.—**Bushnell, G. E.** Tuberculosis and war. Med. Rec., N. Y., 1918, 93: 4.—**Cairns, J. G.** Some points about tuberculosis in war-time. Pub. Health, Lond., 1942–43, 56: 70.—**Camescasse, J.** La tuberculose; fait de guerre. J. méd. chir., Par., 1916, 87: 699–708.—**Chełmoński, A.** O gruźlicy podczas wojny i walce z tą klęską. Lek. wojsk., 1920, 1: No. 29, 16–21.—**Cioffi, E.** Tubercolosi di guerra. Med. prat., Nap., 1918, 3: 7–13.—**Clapp, H. C.** Tuberculosis and the Great War. N. England M. Gaz., 1918, 53: 57–71.—**Cobbett, L.** Tuberculosis and the war; prevention is better than cure. Brit. J. Tuberc., 1918, 12: 16–9. ——— The decline of tuberculosis and the increase in its mortality during the war. J. Hyg., Cambr., 1930–31, 30: 79–103.—**Costantini, G.** La tubercolosi durante la guerra. Minerva med., Tor., 1935, 26: pt 1, 726–9.—**Courcoux, A.** La tuberculose et la période de guerre. Bull. Acad. méd., Par., 1945, 129: 13–21.—**Crichton-Browne, J.** Tuberculosis and war. J. State M., Lond., 1917, 25: 144–6.—**Cutileiro, J.** Tuberculose e guerra. Amatus Lusitanus, Lisb., 1947, 6: 541–51.—**Daddi, G.** La tubercolosi del tempo di guerra nei suoi aspetti e nelle sue cause. Ann. Ist. Carlo Forlanini, 1948, 11: 5–16. ——— I principali rilievi tratti dall'osservazione sulla tubercolosi del tempo di guerra compiute nell'Istituto Carlo Forlanini. Ibid., 94.—**De Luca, V., De Bonis, U.,** & **Cutinelli, G.** Alcuni dati sul decorso della tubercolosi polmonare nel periodo bellico. Arch. tisiol., Nap., 1947, 2: 518–26.—**Dublin, L. I.,** & **Jacobs, P. P.** Tuberculosis as a war problem. J. Outdoor Life, 1917, 14: 364–7.—**Effler.** Der Krieg und die Tuberkulose. Zschr. Tuberk., 1915, 24: 161–7.—**Einis, V. L.** [Certain peculiarities of the course of tuberculosis under wartime conditions] Klin. med., Moskva, 1943, 21: No. 10, 7–13.—**Emerson, K.** A war and post-war menace. J. Lancet, 1944, 64: 95.—**Fagiuoli, A.** Tuberculosi in guerra. Gazz. osp., 1916, 37: 438–42. ——— Riordinamento delle provvidenze per la tubercolosi in guerra in relazione colla tubercolosi civile. Italia san., 1924, 16: No. 10, 6–10.—**Fernandes, R.** A guerra e a tuberculose. Rev. brasil. tuberc., 1941–42, 11: 433–8. Also Impr. méd., Rio, 1942, 18: No. 346, 122–7. ——— A tuberculose primária do adulto como problema de saúde de guerra. Rev. paul. med., 1943, 22: 302.—**Fishberg, M.** Tuberculosis and war. Med. Rec., N. Y., 1917, 92: 350.—**Fischer-Dofoy.** Krieg, Wohnungsnot, Tuberkulose. Schmidts Jahrb., 1918, 328: 145–50.—**Frankel, E.** Tuberculosis in war time and after. Pub. Health News, Trenton, 1942–43, 26: 75–82. Also J. M. Soc. N. Jersey, 1943, 40: 266–9.—**Galdston, I.** Tuberculosis in wartime. Health Bull., Raleigh, 1943, 58: No. 11, 8. Also J. Nat. M. Ass., 1943, 35: 213. Also Travelers Stand., 1943, 31: 219.—**Gáli, G.** Háború és tuberculosis. Orv. hetil., 1915, 59: 105.—**Geary, P.** War challenges the general practitioner. Mississippi Doctor, 1942–43, 20: 456. Also Pennsylvania M. J., 1942–43, 46: 724. ——— General practitioner's role to offset threatened wartime rise in TB. Bull. Nat. Tuberc. Ass., 1943, 29: 45.—**Gillard, M.** La tuberculose et la guerre. Scalpel, Brux., 1948, 101: 727–41.—**Götzl, A.** Krieg und Tuberkulosebekämpfung. Wien. klin. Wschr., 1916, 29: 87.—**Goldberg, B.** War and tuberculosis. Dis. Chest, 1941, 7: 322–5.—**Goldscheider.** Aufgaben und probleme der inneren Medizin im Kriege [Lungentuberkulose] Zschr. Tuberk., 1915, 25: 36–41.—**Griesbach, R.,** & **Liebknecht, W.** Lungentuberkulose und Kriegseinfluss. Oeff. Gesundhdienst., 1944, 10: B, 1–9.—**Guerra** a tuberculose. Porto med., 1906, 3: 353–6.—**Hartley, P. H. S.** Tuberculosis in its relation to the war. Recalled to Life, Lond., 1917, 1: 254–64.—**Havenstein.** Ueber Gewichtszunahme bei Lungenkranken im dritten Kriegsjahr. Zschr. Tuberk., 1917, 28: 259–60.—**Hayek, H.** Ueber tuberkulöse Exposition und exogene tuberkulöse Infektion unter den besonderen Verhältnissen des Krieges. Wien. klin. Wschr., 1917, 30: 29; 60.—**Herold, K.** Die Tuberkulose der Fünfzigjährigen nach dem Kriege. Tuberkulosearzt, 1949, 3: 155–9.—**Hilleboe, H. E.** The tuberculosis problem during the war. Hoosier Health Herald, 1941–42, 23: 97–101. ——— What the war is doing to tuberculosis. Crusader, 1942, 34: No. 5, 4–6.—**Howson, C. R.** Tuberculosis in war time. California West. M., 1944, 60: 199–201.—**Ide, M.** Guerre et tuberculose. Rev. méd., Louvain, 1919–21, 43–6.—**Innes, J.** Pulmonary tuberculosis in war-time. Med. Off., Lond., 1946, 75: 61.—**Izumi, H.M.** Tuberculosis in the war and post-war period. Hawaii M. J., 1941–42, 1: 298.—**J.** La tuberculose de guerre à la Société médicale des hôpitaux. Bull. méd., Par., 1916, 30: 465–70.—**Jacobs, P. P.** Tuberculosis as a war problem. Mil. Surgeon, 1924, 55: 498; 630; 737.—**Joseph, T. J.** War and tuberculosis. Ind. M. Gaz., 1943, 78: 472–7.—**Kayser-Petersen, J. E.** Die Tuberkulose im Kriege. Med. Welt. 1941, 15: 32–4.—**Kerr, H.** The influence of war conditions upon the death rate from consumption. Med. Off., Lond., 1917, 18: 145.—**Kisch, E.** Post war tuberculosis. Rev. cubana tuberc., 1946, 10: 147–57. Also Rev. brasil. med., 1946, 3: 804–8.—**Knopf, S. A.** The tuberculosis problem after the World War. Med. Rec., N. Y., 1919, 96: 135–42.—**Koch, O.** Ueber Kriegs- und Nachkriegseinflüsse auf den Tuberkuloseverlauf. Deut. med. Wschr., 1947, 72: 158–63.—**Kollarits, J.** Krieg und Tuberkulose. Wien. klin. Wschr., 1914, 27: 1233.—**Kuh, C.** Industry, the war, and tuberculosis. Indust. M., 1943, 12: 34–40.—**Kuss, G.** La guerre et la tuberculose. Bull. méd., Par., 1916, 30: 353; 417; 437.—**Kutschera-Aichbergen, H. v.** Die Kriegstuberkulose. In: Wehrmedizin (Zimmer, A.) Wien, 1944, 3: 171–9.—**Landouzy, L.** La guerre et la tuberculose. Paris méd., 1916, 19: 59–64. ——— La guerre et l'assistance aux blessés de la tuberculose. Rev. sc., Par., 1916, 54: 97–109.—**Lee, W. W.** The influence of the World War on tuberculosis mortality in civilian populations. Am. Rev. Tuberc., 1931, 24: 326–39.—**Lentz.** Zunahme der Tuberkulose während des Krieges und deren Ursache, sowie einige neuere Mittel zur Tuberkulosebekämpfung. Ther. Gegenwart, 1919, 60: 270.—**Leschke, E.** Die Tuberkulose im Kriege. Münch. med. Wschr., 1915, 62: 363–6. ——— Weitere Erfahrungen über die Tuberkulose im Kriege. Zschr. Tuberk., 1917, 27: 317–30.—**Lewis-Faning, E.** Respiratory tuberculosis; effect of the war on the length of the interval between notification and death. Brit. M. J., 1943, 2: 684–5.—**Liebe, G.** Krieg und Tuberkulose. Münch. med. Wschr., 1914, 61: 2429.—**Long, E. R.** The war and tuberculosis. Am. Rev. Tuberc., 1942, 45: 616–36. ——— Wartime outlook and postwar conditions for the control of tuberculosis. News Lett. Suffolk Co. M. Soc., 1943, 21: 122–4. ——— Tuberculosis and war; summary. Am. Rev. Tuberc., 1944, 50: 401–4. ——— Tuberculosis and war. Tr. Nat. Tuberc. Ass., N. Y., 1944, 40: 177–81.—**Lubich, V.** La tubercolosi nell'attuale stato di guerra dal punto di vista clinico e sociale. Difesa sociale, 1942, 21: 581–92.—**Mackenzie, J. C. H.** Tuberculosis in war-time. J. R. San. Inst., 1943, 63: 95–103.—**MacNalty, A. S.** Tuberculosis in peace and war. Med. Off., Lond., 1942, 68: 188. Also Nature, Lond., 1942, 150: 676. Also J. R. Inst. Pub. Health, 1943, 6: 47–50. Also Nurs. Times, Lond., 1943, 39: 36.—**Maher, S. J.** What has the war taught us of tuberculosis? Med. Rec., N. Y., 1920, 97: 60–2.—**Mendes, G.** Guerra e tubercolosi; gli obblighi dell'Amministrazione militare verso i soldati tubercolotici. Ann. med. nav., 1916, 22: pt 2, 588–91.—**Minor, C. L.** The war in its effects upon the development of tuberculosis. South. M. J., 1918, 11: 25–9.—**Morichau-Beauchant, R.** Les tuberculoses respiratoires et la guerre. Progr. méd., Par., 1917, 3. ser., 32: 233–6.—**Morland, A.** Tuberculosis in war time. Practitioner, Lond., 1943, 150: 302–5.—**Newsholme, A.** The relations of tuberculosis to war conditions, with remarks on some aspects of the administrative control of tuberculosis. Lancet, Lond., 1917, 2: 591–5.—**Nitti, V.** I processi ad impronta originaria cronicizzante nel periodo bellico. Arch. tisiol., Nap., 1947, 2: 481–91.—**Okolicsányi-Kúthy, D.** [War and phthisiology] Orv. hetil., 1920, 64: 37–40.—**Oschmann.** Tuberkulose und Krieg. Halbmschr. sozial. Hyg., 1917, 25: 37.—**Palmer, G. T.** Tuberculosis and war. J. Am. M. Ass., 1917, 69: 59.—**Panà, C.** Aspetti anatomo-patologici della tubercolosi durante il tempo di guerra; dati riassuntivi. Ann. Ist. Carlo Forlanini, 1948, 11: 96–8.—**Paterson, R. G.** War and tuberculosis. Hoosier Health Herald, 1943–44, 25: 61, &c.—**Petersen, K.** Offene kavernöse Lungentuberkulose trotz vertrauensärztlicher Untersuchung zu spät erfasst und als Opfer des Instanzenkrieges viel zu spät behandelt. Deut. Tuberk. Bl., 1943, 17: 15.—**Petit, G.** Les tuberculeux de la guerre. Rec. méd. vét., 1917, 93: 206–8.—**Pezza, M.** La tubercolosi polmonare del periodo bellico vista nelle cliniche e negli ambulatori privati. Arch. tisiol., Nap., 1947, 2: 492–500.—**Pitini, A.,** & **Caffarelli, B.** Contributo allo studio della tubercolosi di guerra. Atti Conf. interall. assist. inval. guerra, 1919, 3: 695–706.—**Plunkett, R. E.** Tuberculosis in wartime. Health Bull., Raleigh, 1942, 57: No. 12, 10–2.—**Post, J. W.** Tuberculosis in World War II; from the viewpoint of a radiologist. Dis. Chest, 1945, 11: 275–7.—**Prest, E. E.** Tuberculosis and the war. Lancet, Lond., 1916, 1: 532.—**Pulmonary** tuberculosis as influenced by wartime relocation. N. England J. M., 1944, 231: 861.—**Rabukhin, A. E.** Vojna i tuberkulez. Probl. tuberk., Moskva, 1943, No. 6, 41–51. Also English transl., Am. Rev. Soviet M., 1945–46, 3: 198–204.—**Rossel, G.** Aspectos de la endemia tuberculosa en la postguerra; camina la tuberculosis hacía su ocaso? Med. & cir. guerra, 1948, 10: 253–60.—**S., D.** Tubercolosi e guerra. Difesa sociale, 1940, 19: 858.—**Schröder, E.,** & **Ritter, E.** Beobachtungen über den Einfluss des Krieges auf den Ablauf der Lungentuberkulose. Münch. med. Wschr., 1941, 88: 1123 (Abstr.)—**Shipman, S. J.** Tuberculosis in war time. California West. M., 1944, 61: 254, &c.—**Staemmler, M.** Kriegs- und Nachkriegsbeobachtungen über Tuberkulose. Deut. med. Wschr., 1949, 74: 33–5.—**Stafford, F. B.** Wartime increases in tuberculosis and methods for discovering new cases. Virginia M. Month., 1943, 70: 474–6.—**Stewart, A.,** & **Robertson, W. N.** Notes on a pulmonary condition found in warfare. Med. J. Australia, 1919, 2: 348.—**Sutherland, H.** Tuberculosis and the war. Lancet, Lond., 1916, 1: 1146.—**Tuberculosis** as a factor in war. Radiology, 1942, 39: 341–3.—**Tuberculosis** in peace and war. Med. Off., Lond., 1943, 69: 162.—**Tuberculosis** in war-time. Med. Leg. Crim. Rev., Lond., 1943, 11: 30.—**Vires.** La guerre et la tuberculose. Montpellier méd., 1916, 39: 298–311.—**War** and tuberculosis. Bull. Canad. Tuberc. Ass., 1941, 20: No. 2, 3.—**War** challenges the general practitioner. Rocky Mountain M. J., 1943, 40: 260–4.—**War-**

time trends in tuberculosis. Philadelphia M., 1942–43, **38**: 1371. Also J. Am. M. Ass., 1943, **122**: 758.—**Williams, H.** Tuberculosis in wartime. Am. Rev. Tuberc., 1945, **51**: 70–3. Also J. clin., Rio, 1945, **25**: 19–22. Also Rev. Fac. med., Bogotá, 1944–45, **13**: 573–8.—**Wolff, F.** Kriegserfahrungen bei Tuberkulosen. Med. Klin., Berl., 1920, **16**: 692.—**Zadek, I.** Weitere Beiträge zum Verlauf der Lungentuberkulose im Kriege. Münch. med. Wschr., 1919, **66**: 1194.

TUBERCULOSIS bacillus [Mycobacterium]

Le Chuiton. De quelques acquisitions récentes concernant la biologie du bacille de Koch et principalement au sujet de sa culture. p.355–463. 21½cm. Par., 1933.

Arch. méd. pharm. nav., 1933, **123**:

Constantinescu, M. N. [Tuberculous ultravirus] Rev. san. mil., Bucur., 1931, **30**: 401–9.—**Gaspar, I.** [Polymorphism of tuberculous virus] Ibid., 1933, **32**: 163–7.—**Georgević, A.** [Virus and ultra virus of tuberculosis] Voj. san. glasnik, 1931, **2**: 221–43.—**Goudet, H. M.** Etat actuel de la question des formes filtrantes du bacille de Koch et de l'hérédité tuberculeuse (revue documentaire) Arch. méd. pharm. mil., 1927, **86**: 215–32.—**Karwacki, L.** [Tubercle bacillus as evolutional transformation of Streptothrix] Lek. wojsk., 1930, **16**: 145–64, 8pl.—**Long, E. R.** Tracer elements in tubercle bacillus metabolism. Q. Project Summary Off. Nav. Res., 1948, July, 346.—**Nakamizo, Y.** Tyō-kei kekkaku-kin tyūsyutu kōgen wo motteseru kala-azar kessei-sindan ni tuite [Serodiagnosis of kala-azar by the use of extracted antigens of Mycobacterium tuberculosis avium] Gun idan zassi, 1943, 895–903.—**Simić, B.** [Investigations on the biology, morphology and staining of the tuberculosis bacillus] Voj. san. glasnik, 1938, **9**: 471–85.—**Sterling-Okuniewski, S.** [On the importance of the filtrated tuberculous virus in the study of pulmonary tuberculosis] Lek. wojsk., 1928, **12**: 117–29.

—— Cultivation.

See also **Tuberculosis,** Diagnosis, bacteriological.

Balanescu, I., & Gaspar, I. Starea actuală a studiului culturilor de ultra-virus tuberculos. Rev. san. mil., Bucur., 1935, **34**: 353–61.—**Bardhan, P. N.** A study on the culture of the tubercle bacillus by the Lowenstein-Jensen medium. J. R. Army M. Corps, 1942, **79**: 40–2.—**Breuil, P. M.** De quelques résultats obtenus par la méthode de Loewenstein en pratique courante de laboratoire. Arch. méd. pharm. nav., 1934, **124**: 363–74.—**De Cesare, G.** Terreno di Petragnani originale e modificato. Gior. med. mil., 1933, **81**: 847–52.—**Gandasegui Anza, R.** Cultivo del bacilo de Koch. Med. & cir. guerra, 1946, **8**: No. 22, 35–40.—**Hatano, K.** Kekkaku-kin syūkin-hō no hikakū kenkyū [Vergleichende Studien über die Anreicherungsmethoden der Tuberkelbacillen] Kaigun gun-ikan zassi, 1938, **27**: 433–48, pl.—**Pęksa, W.** [Investigations on Hill's medium] Lek. wojsk., 1938, **100**: 455–7.—**Yokoo, T.** Kakkaku-kin bunri-baiti-yō sikiso ni kan-suru kenkyū [Studies on the pigments used in isolation culture (pure culture) of the tubercle bacillus] Kaigun gun ikai zassi, 1945, **34**: 8–13.—**Youmans, G.** Crescimento abaixo da superfície, em meio sintético de bacilos tuberculosos virulentos. Rev. mil. remonta vet., Rio, 1945, **7**: No. 49, 82–4.

—— Resistance.

Carr, L. G. Action of supernatants from combined growth of Fusarium solani and Pseudomonas aeruginosa against the tubercle bacillus. U. S. Nav. M. Bull., 1946, **46**: 237.—**Reitani, U.** Ricerche sulla resistenza dei bacilli tubercolari degli sputi alla luce solare nella città de Torino. Gior. med. mil., 1927, **75**: 544–52.—**Rodinò, N.** Procedimento per rilevare nello sputo l'acidoresistenza di un maggior numero di bacilli della tubercolosi umana. Ibid., 1926, **74**: 462–71.

—— Staining.

Haymond, H. C. Malachite green as a counterstain in tubercle bacillus staining technic. Med. Bull. Veterans Admin., 1942–43, **19**: 77–80.—**Imamura, S.** Sosiki-nai kekkaku-kin sensyoku no iti henpō [Method of staining tuberculosis bacilli in tissues] Gun idan zassi, 1928, 629–32.—**Lapin, A. P.** Sravnitelnaja ocenka različnykh sposobov okraski tuberkuleznykh paloček. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 570–94.—**Moss, E. S.** An improved method for staining tubercle bacilli in tissues cut by the frozen-section technique. U. S. Veterans Bur. M. Bull., 1930, **6**: 590–5.

TUBERCULOSIS geography.

Bradbury, F. C. S. Tuberculosis in war-time Europe. NAPT Bull., Lond., 1946, 8: 14.—**Doull, J. A.** Tuberculosis mortality in England and certain other countries during the present war. Am. J. Pub. Health, 1945, **35**: 783–7. Also Med. Off., Lond., 1945, **74**: 153–5.—**Hukada, M.** Nanpō no kekkaku [Tuberculosis in the South Seas] Gun idan zassi, 1943, 973–90.—**K., I.** [Tuberculosis in the Finnish, Norwegian and Swedish armies] Norsk tskr. mil. med., 1928, **32**: 70–3.—**Larson, C. P.** Tuberculosis in liberated European political prisoners of war; pathological study of 87 fatal cases. Am. Rev. Tuberc., 1946, **54**: 247–53.—**Maclouf, A. C., & Moine, M.** Evolution de la tuberculose pendant la période de guerre dans deux grandes capitales, Londres et Paris. Rev. path. comp., Par., 1946, **46**: 5–10.—**Miller, J. A.** Tuberculosis among European nations at war. N. York M. J., 1919, **110**: 221–9.—**Multanovsky, M. P.** [English and American programs for tuberculosis control during and after the war] Probl. tuberk., Moskva, 1944, No. 4, 63–6.—**Ovazza, A.** Nota su alcuni casi di tubercolosi polmonare in clima tropicale. Ann. med. nav., Roma, 1938, **44**: 223–7.—**Ruvidić, Z. M.** [Prevention of tuberculosis in various countries] Voj. san. glasnik, 1935, **6**: 425; 1936, **7**: 737–9.—**Sicé, A.** Famine et tuberculose en territoire occupé et en Europe libérée. Rev. sc. méd. Afrique fr., Brazzaville, 1943, **2**: 303–18, 3 pl.—**Spector, H. I.** Effect of war on tuberculosis in Europe. Hospitals, 1943, **17**: No. 2, 29–32.

—— Argentina.

Galli, E. A., & Ontaneda, L. E. Demografía de la tuberculosis en la República Argentina. p. 295–350. 25cm. B. Air., 1934.

Rev. san. mil., B. Air., 1934, **33**:

Antelo, N. La sanidad militar en la profilaxis social de la tuberculosis. Rev. san. mil., B. Air., 1929, **28**: 181–213.—**Bejarano, J. F. R.** Indice de tuberculizacion en los escolares de Covunco, Neuquen, y San Carlos de Bariloche, Rio Negro. Ibid., 1940, **39**: 504–10. ——— Consideraciones sobre la lucha antituberculosa en el Ejército. Ibid., 1946, **45**: 31–51.—**Bocalandro, C. A., & Gatti, C. F. J.** Primeros ensayos de roentgenfotografía en el Ejército. Ibid., 1940, **39**: 48–67.—**Curci, S. B. A., & Bejarano, J. F. R.** El problema de la tuberculosis. Ibid., 271–96. ——— El problema de la tuberculosis en nuestro Ejército. Sem. méd., B. Air., 1940, **47**: pt 2, 113–27. Also Rev. mil., B. Air., 1941, **41**: pt 1, 281–309.—**D'Ovidio, R.** Profilaxis de la tuberculosis en el Ejército argentino. Rev. san. mil., B. Air., 1917, **16**: 583–618.—**Ferreira, C.** La lucha contra la tuberculosis por la guerra al alcoholismo y a la habitación malsana. Sem. méd., B. Air., 1918, **25**: 327–32.—**González, M. V.** Modificación del índice de tuberculinización en el Ejército mediante la vacunación B. C. G. Rev. san. mil., B. Air., 1940, **39**: 1199–206.—**Lascalea, M. C.** Investigación de la primoinfección tuberculosa en las tropas de la guarnición de Salta. Ibid., 1938, **37**: 1097–114. Also Deut. Militärarzt, 1940, **5**: 506 (Abstr.)—**López, J. A.** La tuberculosis en el Ejército y necesidad de ampliar el concepto médico de la bacilosis. Sem. méd., B. Air., 1923, **30**: 204–10. ——— La sanidad militar y el Ejército en la lucha contra la tuberculosis. Ibid., pt 2, 415–7.—**Olguín, V. V.** Catastro radiográfico y tuberculínico en adolescentes. Rev. san. mil., B. Air., 1940, **39**: 1194–8.—**Ontaneda, L. E., Merlo Gómez, F.** [et al.] Catastro radiológico y tuberculínico en el Ejército argentino; procedimiento seguido en la primera División de Ejército. Rev. españ. tuberc., 1936, **7**: 220 (Abstr.)—**Ontaneda, L. E., Röttjer, E. A., & Pasqualini, R. Q.** Las formas clínicas de la tuberculosis en el soldado argentino. Rev. san. mil., B. Air., 1934, **33**: 536–48.—**Ontaneda, L. E., Ubiña, A.** [et al.] Catastro radiológico y tuberculínico en el Ejército argentino; resultados de las pruebas tuberculínicas en la Primera División (Capital Federal) Rev. As. méd. argent., 1935, **49**: 1738; passim.—**Padilla, T.** El director del Hospital Militar y la profilaxis de la tuberculosis en el Ejército. Sem. méd., B. Air., 1921, **28**: 310.—**Ruzo, G., Bocalandro, C. A.** [et al.] Indice comparado de infección tuberculosa en ambiente escolares y soldados conscriptos en distintos puntos del país. Commun. Congr. panamer. tuberc., 1940, 5. Congr., **3**: 249–58. Also Rev. san. mil., B. Air., 1940, **39**: 1149–56.—**Ruzo, G., Bocalandro, C. A., & Criscuolo, E.** Indice de infección tuberculosa a los 20 años de edad en la República Argentina; año 1940. Ibid., 1097–102. ——— Curva de la infección tuberculosa a los 20 años de edad en la República Argentina; cifras comparadas años 1934, 1937 y 1940. Ibid., 1103–9. ——— Primeros ensayos de roentgenfotografía en el Ejército. Ibid., 1116–24. ——— Investigación radiológica sistemática en los aspirantes a ingreso a las distintas escuelas del Ejército; personal proveniente de la Provincia de Córdoba. Relat. Congr. panamer. tuberc., 1940, 5. Congr., **2**: 244–9. Also Rev. san. mil., B. Air., 1940, **39**: 1125–30. ——— Grado de alergía en ambientes urbanos y rurales de la provincia de Buenos Aires a los 20 años de edad. Ibid., 1143–8. ——— Indice de infección tuberculosa por departamentos en la República Argentina; años 1934, 1937 y 1940. Ibid., 1157–63. ——— Relaciones entre el índice de infección, mortalidad y densidad de población en la República Argentina. Ibid., 1164–6. ——— Demografía de la tuberculosis en la provincia de Santa Fe. Ibid., 1167–76. ——— Demografía de la tuberculosis en la provincia de Córdoba. Ibid., 1177–93.—**Ruzo, G., Oribe, J. A., & Bocalandro, C. A.** La tuberculosis ocular en el Ejército argentino. Ibid., 1942, **41**: 865–9.—**Sayé, L.** La profilaxis de la tuberculosis en el Ejército. Ibid., 388–401.—**Vidaurreta, M. F.** La B. C. G. en nuestros soldados. Ibid., 1936, **35**: 833–7. ——— Vacunación antituberculosa; la B. C. G. en nuestros soldados. Ibid., 1938, **37**: 595–608.

—— Australia.

Burston, S. R. The Army and tuberculosis. Med. J. Australia, 1943, 1: 308.—**Deane, D. M.** Tubercular Soldiers' Aid Society (Adelaide, South Australia) Brit. J. Tuberc., 1937, 31: 208–11.—**Incidence** of tuberculosis in Australian Army recruits. Am. Rev. Tuberc., 1941, 43: 314.—**Methods** developed in Rocky Mountain Region prove invaluable in Australian Army tuberculosis survey. Rocky Mountain M. J., 1941, 38: 847.—**Radiological** survey of the Second Australian Imperial Force. Med. J. Australia, 1940, 1: 447–9.—**Tuberculosis** in the Army. Ibid., 1918, 1: 175.—**Webster, R.** Bacteriological examinations supplementing the radiological survey of the Australian Imperial Force; preliminary report. Brit. M. J., 1941, 1: 701–4. ——— Pulmonary tuberculosis; bacteriological examinations supplementing routine thoracic radiography in the Australian military forces. Med. J. Australia, 1943, 2: 61–7.

—— Austria.

Clark, A. C. Tuberculosis in a D. P. camp in Austria. Brit. M. J., 1947, 2: 226.—**Franz, K.** Das Heer im allgemeinen Kampfe gegen die Tuberkulose; Errichtung hygienischer Wandermuseen für einzelne Korps. Militärarzt, Wien, 1914, 48: 257–62.

—— Belgium.

Figueroa Taboada, F. La tuberculosis en Bélgica durante la guerra. Rev. españ. tuberc., 1948, 17: 325–9.—**Glorieux.** Dépistage et prophylaxie de la tuberculose à l'Armée. Arch. Serv. san. Armée belge, 1947, 100: 295–331.—**Hendrickx-Duchaine, C.** A Belgian sanatorium in war-time. NAPT Bull., Lond., 1946, 8: 40–2.—**Minne.** Lutte antituberculeuse à l'Armée belge. Ann. belg. méd. mil., 1948, 101: 83–90.—**Toussaint.** Prophylaxie de la tuberculose à l'armée. Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 335–45.—**Tuberculosis** (The) campaign in Belgium during the war. Bull. Union internat. tuberc., Par., 1947, 18: 20–55.

—— Bolivia.

Arce Castrillo, L., & Medeiros, S. Catastro tuberculínico roentgenfotográfico en alumnos del Colegio militar. Gac. méd. quir. Bolivia, 1943–44, 1: 110–6.—**Quíroz, J. D.** Una forma de primoinfección tuberculosa del adulto; la tuberculosis ganglionar caseosa (cervical) del soldado bolliviano durante la guerra del Chaco, de carácter epidémico. Rev. san. mil., Asunción, 1943, No. 136, 41–7.

—— Brazil.

Borba Côrtes, A. Profilaxia da tuberculose; cuti-reação de Pirquet no meio militar. Med. cir. pharm., Rio, 1940, 33–44. Also Rev. med. mil., Rio, 1940, 29: 146–55.—**Costa Furtado de Mendonça, L.** Da distribuição dos tuberculosos nos nossos hospitais. Arq. brasil. med. nav., 1943, 4: 219–29.—**Guimarães Fernandes da Silva, L.** De que recursos dispõem a clinica e o laboratorio para fundamentar o diagnóstico de tuberculose. Rev. med. mil., Rio, 1939, 28: 374–92.—**Lobo, A.** O problema da tuberculose pulmonar no nosso Exército. Bol. Soc. méd. cir. mil., Rio, 1916–17, 2: 1–15. ——— A tuberculose pulmonar no Exército brasileiro. Fol. med., Rio, 1927, 8: 192–6. ——— A tuberculose no meio militar; sua frequencia e origem nas forças de terra; destinos a dar aos tuberculosos do Exército Ibid., 1930, 11: 398–402. ——— A tuberculose pulmonar no Exército brasileiro. Rev. med. mil., Rio, 1938, 27: 31–50.—**Maciel, H.** A luta contra a tuberculose na Armada brasileira. Arq. brasil. med. nav., 1941, 2: 531–50, 4 diagr.—**Marques Torres, A.** Incidencia da tuberculose no Exército. Rev. med. mil., Rio, 1941, 30: 490–4.—**Mendonça, A. A. de.** A campanha anti-tuberculose na Armada. Arq. brasil. med. nav., 1949, 10: 1637–52, 2 ch.—**Oliveira Vianna, A. de, Correa Leitão, F., & Moller Meirelles, M.** Contribuição ao estudo da tuberculose nfecção. Relat. Congr. panamer. tuberc., 1940, 5. Congr., 2: 640–53.—**Paes de Oliveira, P.** Dois anos de censo tuberculínico No. 1° G. Mov. A. C. Rev. med. mil., Rio, 1947, 36: 61–4.—**Pascale, H.** Visão panorâmica da epidemiologia da tuberculose em São Paulo e sua importância em face da guerra. Arq. hig., S. Paulo, 1943, 8: No. 18, 119–47.—**Paulino de Mello, L.** Profilaxia da tuberculose no Exército. Rev. med. mil., Rio, 1942, 31: 21–32. ——— Tuberculose e fôrças armadas. Ibid., 1947, 36: 250; passim. Also Impr. méd., Rio, 1947–48, 23: No. 400, 67–87.—**Ramos dos Santos, A.** Tuberculose bovina no Distrito Federal. Rev. mil. med. vet., Rio, 1938, 1: 148–51. ——— **Russo, E., & Conreur, C.** Tuberculose bovina no Rio de Janeiro. Ibid., 204–11.—**Saturnino de Moraes, M.** Os tuberculosos no Exército. Rev. med. hyg. mil., Rio, 1921, 7: 62–8.—**Seize, V.** O problema da tuberculose na Marinha. Arq. brasil. med. nav., 1944, 5: 663–7.—**Soares de Sousa, H.** Recenseamento torácico da Marinha de Guerra brasileira, 1939–40, trabalho do Hospital central da Marinha. Ibid., 1941, 2: 551–62. Also Rev. brasil. tuberc., 1941–42, 11: 113–22.—**Vieira Ferreira, O. L.** Cadastro torácico na guarnição da vila militar do Rio. Rev. med. mil., Rio, 1946, 35: 185–94.

—— Canada.

CANADA. DEPARTMENT OF SOLDIERS' CIVIL RE-ESTABLISHMENT. BOARD OF TUBERCULOSIS CONSULTANTS. Summary of report. 21p. 8° Ottawa, 1920.

Adamson, J. D. Canada eliminates TB from Army. Bull. Nat. Tuberc. Ass., 1940, 26: 163, &c. ——— War and tuberculosis in Canada. Manitoba M. Ass. Rev., 1940, 20: 25–7. ——— Tuberculosis in World War II in the Canadian Army. Dis. Chest, 1945, 11: 272. ——— & **Brown, C. P.** Tuberculosis in immigrants. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 7, 66.—**Adamson, J. D., & Keevil, R. F.** Tuberculosis in the Canadian Army. J. Canad. M. Serv., 1943–44, 1: 404–11.—**Adamson, J. D., Warner, W. P.** [et al.] Tuberculosis in the Canadian Army 1939–44. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 3, C. 6125, 1–14, 4 fig. Also J. Canad. M. Serv., 1944–45, 2: 641–50. Also Canad. M. Ass. J., 1945, 52: 123–7.—**Bond, A. T.** The incidence of tuberculosis amongst soldiers. Nat. Health Rev., Ottawa, 1934–35, 2: 155–8.—**Boyd, R. W.** A chest X-ray survey of the active Army in Canada. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 3, C. 6126 [1]—**Cuddihy.** Tuberculose et Armée. Union méd. Canada, 1944, 73: 300; 359.—**Dickey, C. R.** Rehabilitation of the tuberculous in Alberta. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 8, 5.—**Elliott, J. H.** Lessons from Canada's war experiences with tuberculosis. Am. Rev. Tuberc., 1917, 1: 267–79. ——— How Canada is meeting the tuberculosis war problem. Tr. Nat. Tuberc. Ass., N. Y., 1918, 14: 104–10. Also Am. Rev. Tuberc., 1918–19, 2: 400–8.—**Hart, W. M.** The tuberculosis problem under after-war conditions with reference to Canada. J. State M., Lond., 1919, 27: 336–9. ——— The post sanatorium care of Canadian ex-service men. Tr. Nat. Tuberc. Ass., N. Y., 1921, 17: 466–70.—**Holbrook, J. H.** Tuberculosis and the all-out war effort. Annual Rep. Canad. Tuberc. Ass., 1942, 42: 10–7.—**Jarry, G., Richardson, A., & Maynard, W. V.** Tuberculosis in the Naval Service from 1930 to 1945 (inclusive) Canad. M. Ass. J., 1946, 55: 368.—**Krintzer, E. F., & Warner, W. P.** Tuberculosis in the Canadian Army. Ibid., 1942, 47: 479.—**Lavers, H. D., & McCurdy, D. G.** Tuberculosis control in Nova Scotia. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 8, 7.—**Parfitt, C. D.** Canada's war problems in relation to tuberculosis. Michigan Out-of-Doors, 1918, 7: 18–30.—**Peirce, C. B., Jarry, G., & Richardson, A. C.** The incidence of pulmonary tuberculosis in the Royal Canadian Naval Service. Canad. M. Ass. J., 1944, 51: 46–51.—**Richards, G. E.** A discussion on surveys of the chest with comments on the 14 by 17 inch film as used in the Canadian Army. Am. J. Roentg., 1942, 47: 66–70.—**Warner, W. P.** Tuberculosis in the Canadian Army. Canad. M. Ass. J., 1942, 47: 193–6.—**Wood, W. J.** A program for the control of tuberculosis in Indians. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 8, 13.

—— Chile.

Amunátegui, G. Hospitales marítimos para el tratamiento de las tuberculosis quirúrgicas. Rev. benef. púb., Santiago, 1917, 1: 361–3.—**Cruz, F.** Nuestra defensa ante la tuberculosis y sus relaciones con las instituciones armadas. Congr. med. cir. nav. mil. Chile, 1929, 431–6.—**Katz Miranda, V.** La lucha antituberculosa en la Marina. Rev. san. nav., Valparaiso, 1938, 8: 153–83, 2 tab.

—— Colombia.

Flórez Toro. La tuberculosis en el Ejército; la importancia del diagnóstico precoz. Tagubenia, Popayán, 1940, No. 12, 424–8.

—— Cuba.

Díaz Guzman, E. J. Survey antituberculoso de las fuerzas armadas. Rev. san. mil., Habana, 1940, 4: 41–50.

—— Czechoslovakia.

Franz, K. Vojsko ve všeobecném boji proti tuberkulose; zřízení kočovných hygienických muset pro jednotlivé armádní sbory. Cas. lék. česk., 1915, 54: 238–41. ——— [Statistics of tuberculosis in the Army] Voj. zdrav. listy, 1925, 1: 8–13.—**Tomšík, L.** Methodoy hromadného vyšetřování hrudních orgánů roentgenem. Ibid., 1949, 18: 108–22.

—— Denmark.

Faber, K. Tuberkulosen i Danmark under besaettelsen. Ugeskr. laeger, 1945, 107: 1022–7. ——— La tuberculose au Danemark sous l'occupation allemande. Bull. Acad. méd., Par., 1946, 130: 33.—**Feddersen, T.** Tuberkuloseundersøgelser i Søvaernet. Militaerlaegen, 1943, 49: 1–9.—**Jurgens, A.** La lutte contre la tuberculose dans l'Armée danoise. Bull. Internat. Serv. santé, Liége, 1946, 19: 319.—**Staggemeier, K.** Tuberkuloseundersøgelser i den Danske haer. Militaerlaegen, 1942, 48: 79–95.—**Tuberculosis** statistics; death rates per 1,000, aged 25–65, in Copenhagen before, during and after the war. Tubercle, Lond., 1922–23, 4: 67.

—— Finland.

Savolin, M. [Tuberculin examinations in the Finnish Army] Fin. läk. säll. hand., 1934, 76: 776–90. Also Tskr. mil. hälsov., 1934, 59: 318–26.—**Savonen, S.** Ueber die Verbreitung der Tuberkuloseinfektion in ganz Finnland; Tuberkulinuntersu-

chungen von 56417 Rekruten. Zschr. Tuberk., 1938–39, 81: 219–26.—**Stierncreutz, V.** [Pulmonary tuberculosis in the Army] Fin. läk. säll. hand., 1925, 67: 664–8.

—— France.

FALCOU, A. *Le dépistage de la tuberculose dans l'Armée par la radioscopie systématique du contingent; du devenir de sujets porteurs d'images douteuses lors de cet examen. 95p. 24½cm. Lyon, 1939.

JEANDIDIER, J. L. R. A. La tuberculose et l'Armée. p. 1–130. 22½cm. Par., 1923.
Arch. méd. pharm. mil., 1923, 79:

Arnaud, J., & Weiller, R. Quelques réflexions sur le comportement des tuberculeux pulmonaires au cours de l'exode de juin 1940. Marseille méd., 1942, 79: 252–7.—**Arnaud, O.** Aperçu sur l'organisation générale de la lutte contre la tuberculose en France. Arch. méd. pharm. mil., 1927, 87: 553–61.—**Arnould, E.** L'Armée et la tuberculose. Presse méd., 1937, 45: 13.—**Arsuffi, F.** Come in Francia sono assistiti i militari riformati per tuberculosi. Attual. med., Milano, 1916, 5: 434–9.—**Audoye, H.** Le Sanatorium des Neiges de Briançon [Hautes-Alpes] Rev. méd. nav., Par., 1947, 2: 103–11. ——— Sur le problème de la réadaptation au travail des tuberculeux dans la Marine. Ibid., 315–9.—**Aujalen, E.** La radioscopie systématique dans l'Armée. Rev. tuberc., Par., 1942, 5. ser., 7: 63–87.—**Bernard, L.** L'assistance aux anciens militaires tuberculeux; comité central; comités départementaux. Paris méd., 1917, 21: 268–72. ——— L'oeuvre des Comités d'assistence aux anciens militaires tuberculeux. Bull. Acad. méd., Par., 1918, 3. ser., 79: 282–4. Also Paris méd., 1918, 27: 8–12. ——— L'action antituberculeuse pendant et après la guerre. J. méd. fr., 1918, 7: bis; 141–7. ——— Le comité départemental d'assistance aux anciens militaires tuberculeux de la Seine. Paris méd., 1919, 31: 405–8. Also Rev. Hyg., Par., 1919, 41: 355–68.—**Bertarelli, E.** Come la Francia ha organato durante la guerra la difesa antitubercolare nei rapporti dei soldati infetti. Riv. ig. san. pubb., Parma, 1918, 29: 33–6.—**Bourgeois, L., & Letulle.** Pour les militaires tuberculeux réformés. Rev. hyg., Par., 1916, 38: 577–611.—**Brouardel, G.** L'action de la nation en faveur des tuberculeux de la guerre. Ibid., 1924, 46: 221–44.—**Clavelin, C.** Les tuberculoses ostéo-articulaires dans l'Armée. Arch. méd. pharm. mil., 1932, 96: 577–608.—**Clerc, M.** Programme d'action antituberculeuse dans la Marine marchande. Arch. méd. pharm nav., 1923, 113: 328–41.—**Debenedetti, R. L.** Radioscopie systématique et virages massifs de cuti-réactions à la tuberculine dans la collectivité militaire. Rapp. Congr. nat. tuberc., 1939, 9. Congr., 412–5. ——— & **Huriez, C.** Aspects radiologiques et tests biologiques chez 104 jeunes soldats suspects de tuberculose pulmonaire. Presse méd., 1936, 44: 715–7.—**Debenedetti, R. L., Oiseau, H.** [et al.] Considérations sur les variations de l'index tuberculinique suivant les régions, à propos de 2.155 cuti-réactions à la tuberculine pratiquécs en milieu militaire. Bull. Acad. méd., Par., 1936, 3. ser., 115: 393–6.—**Dercle, C. U.** Tuberculosis in the French Army during the war. Med. Insur., 1917–18, 27: 181–5. Also Med. Rec., N. Y., 1918, 93: 1–4.—**Didiée, J. J.** Organisation matérielle et technique de la radioscopie systématique dans l'Armée. Bull. Soc. méd. mil. fr., 1937, 31: 196–205. ——— Réalisation technique de la radioscopie systématique pour le dépistage de la tuberculose dans l'Armée. Bull. Soc. radiol. méd. France, 1937, 25: 619–27.—**Dussert, A** Prophylaxie antituberculeuse aux armées pendant la guerre. Rev. tuberc., Par., 1941, 5. ser., 6: 585–9.—**Evolution** of tuberculosis in France during the war. Epidem. Inform. Bull., 1945, 1: 207–18.—**G.** La protection des militaires tuberculeux et de leurs enfants. Caducée, Par., 1917, 17: 35. ——— La station sanitaire des Pins à Lamotte-Beuvon. Ibid., 1918, 18: 120.—**Genévrier.** Le dépistage de la tuberculose au cours du rapatriement des prisonniers de guerre. Ann. méd. sociale, 1946, 3: 242–7.—**Gesteau.** Adaptation du matériel radiologique du Service de santé au dépistage de la tuberculose dans les camps de prisonniers. Bull. Soc. méd. mil. fr., 1945, 39: 148–54.—**Gounelle, H., & Schneider, J.** Comportement au cours du service de cinquante sujets présentant des anomalies radiographiques décelées par la radioscopie systématique. Ibid., 1938, 32: 177–83.—**Granjux.** Protection des enfants des soldats réformés pour tuberculose. Caducée, Par., 1916, 16: 157–9. ——— Les militaires réformés No. 2 pour tuberculose et leurs enfants. J. méd. chir., Par., 1916, 87: 859. ——— Le pays et les soldats tuberculeux de la guerre. Ibid., 1917, 88: 81–4.—**Guinon, G.** Tuberculose et service militaire á propos d'une proposition de loi. Rev. phtisiol., Par., 1929, 10: 220–32.—**Guinon, L.** Le médecin dans l'assistance aux tuberculeux réformés. Presse méd., 1917, 25: Annexes, 41–4.—**Honnorat, A.** La tuberculose dans l'Armée. Rev. philanthrop., Par., 1914–15, 36: 121–5.—**Instruction** générale sur l'hospitalisation des militaires tuberculeux et les décisions consécutives à leur traitement arrogeant les circulaires antérieures relatives au même sujet. Rev. hyg., Par., 1918, 40: 227–78.—**Jacob.** Le bilan d'une tournée de radioscopie systématique. Bull. Soc. méd. mil. fr., 1934, 28: 136–40.—**Juhel.** Notes sur le sanatorium de Lamotte-Beuvron (Loir-et-Cher) et la station climatique des Escaldcs (Pyr.-Or.) Arch. méd. pharm. nav., 1923, 113: 433–54.—**Jullien, L.** Rôle du médicin militaire dans la lutte contre la tuberculose. Lyon méd., 1927, 139: 435–42. ——— **Sieur, M., & Andrieux.** L'action conjugée de l'école et de l'Armée dans le dépistage de la tuberculose. Mouvem. san., Par., 1936, 13: 58–66.—**Jullien, L., Sieur, M., & Dutrey.** Radioscopie systématique des collectivités et tuberculose pulmonaire. Rev. hyg., Par., 1937, 59: 513–39.—**L., R.** Pour les officiers de complément tuberculeux. Progr. méd., Par., 1917, 3. ser., 32: 89–91.—**Labbé, H.** L'assistance et éducation des tuberculeux de la guerre dans les stations sanitaires du Ministére de l'intérieur. Paris méd., 1916, 19: 86–92.—**Lafforgue.** La tuberculose dans l'Armée. Séance Congr. Ass. fr. avance. sc., 1910, 39. Congr., 137.—**Landouzy, L.** La guerre et la réforme du soldat tuberculeux. Rev. hyg., Par., 1915, 37: 209–26. Also J. méd. chir., Par., 1915, 86: 495–9.—**Lavergne, V. de.** Le Service de santé militaire et la lutte antituberculeuse pendant la guerre. Rev. hyg., Par., 1922, 44: 875–906.—**Le Bourdellès, A. C. B.** La tuberculose dans l'Armée. Ann. hyg., Par., 1937, n. ser., 15: 388–90. ——— & **Picot, L. C.** L'emploi de la radiologie dans le dépistage de la tuberculose pulmonaire. Arch. méd. pharm. mil., 1932, 96: 609–28.—**Masselot, F.** A propos du procès-verbal de la séance du 11 juin 1938. Rev. tuberc., Par., 1939, 5. ser., 5: 25–7.—**Matson, R. C.** What we may learn from the French war-tuberculosis problem. Northwest M., 1917, 16: 355–60.—**Mayer, L.** Organisation de l'assistance aux tuberculeux de l'Armée réformés ou en instance de réforme. Rev. prat. hyg. mun., Par., 1916, 11: 50–6.—**Meersseman, F.** Résultats de l'observation prolongée de 113 sujets trouvés porteurs d'images douteuses lors de l'examen radiologique systématique à l'incorporation ou durant le service militaire. Rapp. Congr. nat. tuberc., 1939, 9. Congr., 393–400.—**Meissen, E.** Die Tuberkulose im französischen Heere. Zschr. Tuberk., 1915, 23: 422–39. ——— Krieg und Tuberkulose in Frankreich. Ibid., 1916, 26: 81–97.—**Minoli, R. F.** Las restricciones alimenticias en Francia y el problema de la tuberculosis. Día méd., B. Air., 1943, 15: 290.—**Moussous, A.** Du rôle que pourrait jouer le service militaire dans la lutte antituberculeuse. Gaz. sc. méd. Bordeaux, 1916, 37: 81; 91. Also Bull. Soc. méd. chir. Bordeaux (1915–16) 1917, 76–90; Disc., 111–3.—**Orrego Puelma, H.** La tuberculosis y el Ejército; lo que se ha hecho en Francia. Prensa méd., Habana, 1930, 21: No. 10, 23–8.—**Paquet, P.** Une année de fonctionnement effectif d'un comité départemental d'assistance aux militaires tuberculeux. Rev. prat hyg. mun., Par., 1919, 14: 2–10.—**Pierre & Constans.** Le centre de phtisiothérapie de la Marine de Rochefort. Arch. méd. pharm. nav., 1937, 127: 15–60.—**Pierre-Bourgeois, Genevrier, R., & Theil, P.** Résultats statistiques du dépistage radiologique systématique de la tuberculose effectué au cours du rapatriement des prisonniers de guerre et déportés. Rev. tuberc., Par., 1944–45, 9: 366–9.—**Pilod, M. L. E.** Organisation de la défense contre la tuberculose en France. Arch. méd. pharm. mil., 1923, 79: 131–52. ——— L'étude systématique de la cuti-réaction à la tuberculine dans la collectivité militaire (son intérêt épidémiologique, prophylactique, clinique et medico-légal] Ibid., 1935, 103: 515–42.—**Plazy et Hederer.** La prophylaxie de la tuberculose dans la Marine de guerre. Rapp. Congr. nat. tuberc., 1935, 8. Congr., 257–82.—**Poirier, A.** A propos du dépistage de la tuberculose. Bull. Soc. méd. mil. fr., 1937, 31: 415–20.—**Quérangal des Essarts, J.** Résultats de trois années de vaccination préventive de la tuberculose par le B. C. G. à Brest. Arch. méd. pharm. nav., 1931, 121: 201–9. ——— Fréquence et étiologie de la tuberculose au port de Brest. Ibid., 1933, 123: 604–48. ——— Contribution à l'étude de la primo-infection tuberculeuse dans la Marine; cuti-réactions tuberculiniques au port de Brest. Ibid., 1935, 125: 411–32. ——— Etiologie et prophylaxie de la tuberculose dans la Marine. Rev. hyg. méd. prév., 1935, 57: 113–23. ——— Cuti-réactions à la tuberculine dans le milieu maritime et le personnel de la Marine au port de Brest. Ibid., 1937, 59: 168–77. ——— & **de Carbonnières de Saint-Brice, G.** Nouvelle enquête sur la vaccination préventive de la tuberculose par le B. C. G. à Brest. Arch. méd. pharm. nav., 1932, 122: 99–115. ——— Une expérience de prophylaxie sociale de la tuberculose par la vaccination au B. C. G. dans le milieu maritime, au port de Brest. Ibid., 1933, 123: 214–46.—**Rist, E.** Discharges and pensions for tuberculous soldiers in the French Army. Tr. Nat. Ass. Prev. Tuberc., Lond., 1919, 7: 55–8. ——— Tuberculose et guerre. Paris méd., 1940, 115: 52–4. ——— Tuberculosis in France during the war. Tubercle, Lond., 1946, 13–8.—**Schreiber, M. A.** La causas y la lucha contra la tuberculosis pulmonar en el Ejército frances. Rev. san. mil., Lima, 1930, 3: 21–33.—**Sergent, E.** A propos du triage des tuberculeux aux armées. Presse méd., 1918, 26: 4. ——— & **Delamare, G.** Les enseignements cliniques d'un Centre de triage de militaires suspects de tuberculose. Bull. Acad. méd., Par., 1916, 76: 329–34. Also J. méd. chir., Par., 1916, 87: 861–70.—**Sieur & Bernard, L.** Note sur les mesures prises dans le camp retranché de Paris pour le depistage l'isolement et l'élimination de l'armée des tuberculeux militaires. Bull. Acad. méd., Par., 1916, 3. ser., 76: 21–3.—**Sieur & Marchoux.** L'assistance et la prophylaxie organisées pendant la guerre par le Service de Santé dans le G. M. P. Ibid., 1919, 3. ser., 81: 678–82.—**Trabaud.** Mémoires sur la tuberculose dans l'armée et dans les troupes indigènes et sur la prophylaxie de cette affection. Arch. méd. pharm. mil., 1921, 74: 432–6.—**Triage** des tuberculeux dans les hôpitaux. Ibid., 1916–17, 66: 558.—**Troisier, J., Bariéty, M.** [et al.] Une statistique de cuti-réaction tuberculinique dans l'Armée; pourcentage élevé des réactions négatives. Bull. Acad. méd., Par., 1935, 3. ser., 114: 54–8.—**Tuberculose.** Statist. méd. Armée (France) (1894) 1896, 107–

11.—**Tuberculosis** and the French Army. Science, 1917, n. ser., **46**: 10. Also Med. Rec., N. Y., 1917, **92**: 810.—**Tysse, C.** Tuberculin testing of the French Army. Med. Rec., N. Y., 1935, **142**: 524.—**Verré.** Observations sur quelques aspects radiologiques de la tuberculose pulmonaire chez les inscrits maritimes. Arch. méd. pharm. nav., 1936, **126**: 155–66.—**Villemin & Kelsch.** La tuberculose dans l'Armée. Paris méd., 1916, **19**: Suppl., i–iv.—**Vitoux, G.** L'oeuvre des comités départementaux d'assistance aux soldats tuberculeux réformés. Rev. hyg., Par., 1918, **40**: 561–70.

—— France, colonial.

Abbatucci & Gravellat. Prophylaxie de la tuberculose parmi les troupes indigènes coloniales. Atti Congr. internaz. med. farm. mil., 1923, **2**: 392–8.—**Bellocq.** Cuti-réaction à la tuberculine, et prémunition par le B. C. G. des tirailleurs de la garnison de Brazzaville. Ann. méd. pharm. col., Par., 1935, **33**: 57–63.—**Catillon, M., & Enver, B.** [Prevention of tuberculosis by the French in Alexandretta from 1919–29] Askeri sihhiye mecmuasi, 1933, **62**: 84–112.—**Courboulès.** Les tuberculoses chirurgicales dans la race noire [Sénégalais et Malgaches] Arch. méd. pharm. mil., 1933, **98**: 565–83.—**Dassonville, R.** L'infection tuberculeuse latente dans un bataillon de tirailleurs algériens étudiée par les cuti-réactions tuberculiniques. Arch. Inst. Pasteur Algérie, 1936, **14**: 149–51.—**Fournials, M.** La tuberculose dans les services des sous-officiers, soldats et indigènes à l'Hôpital principal de Dakar en 1930. Bull. Soc. path. exot., Par., 1932, **25**: 657.—**Jude, L. V. R., & Lubet, J. V. H.** L'organisation de la lutte antituberculeuse dans les Etats du Levant sous mandat français. Arch. méd. pharm. mil., 1934, **101**: 735–52.—**Malard.** Evolution de la tuberculose chez les tirailleurs sénégalais à La Rochelle en 1935–36. Bull. Soc. méd. mil. fr., 1937, **31**: 338–46.—**Roubier, C.** Quelques considérations cliniques sur la tuberculose chez les troupes noires. Paris méd., 1919, **33**: 207–11.—**Trabaud.** Les caractéristiques de la tuberculose chez les Sénégalais. Bull. Soc. méd. mil. fr., 1921, **14**: 1–3.

—— Germany.

GERMANY. BERATENDE TUBERKULOSEFACHARZT BEIM HEERES-SANITÄTS-INSPEKTEUR. Sammelbericht; zusammenfassender Bericht über das Vierteljahr. 2.–6. Bericht. 5 nos. 30cm. Berl., 1943–44.

GERMANY. OFFICE OF MILITARY GOVERNMENT FOR GERMANY. U. S. ZONE. Quarterly tuberculosis report [n.p.] July-Sept., 1948–

Beese, H. J. Ueber Reihenröntgenuntersuchungen auf Lungentuberkulose in Reichsheer, Reichsmarine und Schutzpolizei. Beitr. Klin. Tuberk., 1934, **85**: 1–8.—**Beschorner.** Fürsorge für tuberkulosekranke Kriegsbeschädigte. Ausstell. Kriegsbeschäd. Fürs. Deutschland, 1917, 87–92.—**Brügmann, E.** Die Bewegung der Tuberkulosesterblichkeit im I. und II. Weltkrieg und ihre Ursachen. Beitr. Klin. Tuberk., 1947, **101**: 94–104.—**Bruns, E. H.** Final report on the tuberculosis situation in Germany. Final Rep. Civil Aff. Trier Dep. San. Pub. Health, 1919, No. 3, 1–23, 9 ch.—**Bull, W. H. B.** Pulmonary tuberculosis among British prisoners in Germany. Lancet, Lond., 1946, **1**: 661–5.—**Carter, P. R.** Bovine tuberculosis in Germany. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 5, 65–70.—**Cayet, R.** Die militärärztliche Begutachtung und Fürsorge der Lungentuberkulose im Bereiche der Marinestation der Nordsee. Deut. mil. ärztl. Zschr., 1917, **46**: 317–35.—**Cochrane, A. L.** Tuberculosis among prisoners of war in Germany. Brit. M. J., 1945, **2**: 656–8.—**Coerper, C.** Beobachtungen aus der Kriegszeit in der Tuberkulosefürsorge der Hansestadt Köln. Zschr. Tuberk., 1942–43, **89**: 213–8.—**Couve, P.** La tuberculose pulmonaire chez les prisonniers de guerre en Allemagne. Rev. tuberc., Par., 1944–45, **9**: 220–3.—**Daniels, M., & Hart, P. D.** Tuberculosis in the British Zone of Germany. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 5, 29–54.—**Daus.** Die Militärlungenheilstätte Juditten (Ostpr.) im Bereiche des Sanitätsamts I. A.–K. Zschr. Tuberk., 1916, **26**: 423–35.—**Deist, H.** Die Tuberkulose in der Wehrmacht. Deut. Tuberk. Bl., 1938, **12**: 129–35. ——— Tuberkulosebekämpfung in der Wehrmacht. Med. Klin., Berl., 1940, **36**: 305 (Abstr.)—**Fehsenfeld, G.** Die Zunahme der Tuberkulose im Kriege; Massnahmen zu ihrer Bekämpfung. Psychiat. neur. Wschr., 1920–21, **22**: 1–5.—**Feistmantel, R. C., & Kentzler, J.** Zur Frage der Unterbringung und Versorgung unserer tuberkulösen Krieger. Wien. Klin. Wschr., 1915, **28**: 951.—**Forster, E.** Ergebnisse von Röntgenreihenuntersuchungen bei einem Armeekorps des Feldheeres. Deut. Militärarzt, 1944, **9**: 67–73.—**Fröhlich, M.** Zur Frage der Unterbringung Tuberkulöser und Beschaffung von Betten im Kriege. Oeff. Gesundhdienst., 1943, **9**: B, 274.—**Funke, K.** Das Tuberkuloseproblem bei den im Deutschen Reich eingesetzten Ostarbeitern. Ibid., 154–8.—**Gleitsmann, H.** Die Tuberkulose in der Marine. In: Kriegssan. Ber. Deut. Marine, Berl., 1935, **3**: 275–304.—**Goerdeler, G.** Arzt und Tuberkulose im Heere der Jetztzeit unter besonderer Berücksichtlghng der Stellungnahme des XVII. Armee-Korps. Beitr. Klin. Tuberk., 1917, **38**: 189–214.—**Griesbach, R.** Ernährungszulage bei Tuberkulose im Kriege. Deut. med. Wschr., 1942, **68**: 119.—**Helm.** Fünf Tafeln über die Tuberkulose im deutschen Heere und in der deutschen Marine. Zschr. Tuberk., 1915, **23**: 417–21. ——— Massnahmen der Heeresverwaltung auf dem Geblete der Tuberkulosebekämpfung während des Krieges. Ibid., **24**: 1–6.—**Jensen, E.** Zur Frage der tuberkulösen Erstinfektion in der Kriegsmarine. Beitr. Klin. Tuberk., 1943, **99**: 470–80.—**Kayser-Petersen, J. E.** Wehrmacht und Tuberkulose. Deut. Militärarzt, 1937, **2**: 356–62.—**Kieffer, O.** Statistische und klinische Beiträge zur Lungentuberkulose, mit besonderer Berücksichtigung der Kriegseinflüsse. Zschr. Tuberk., 1920, **32**: 65; 129.—**Kirch, A.** Organisatorisches zur militärischen Tuberkulosenbeurteilung. Wien. klin. Wschr., 1917, **30**: 865.—**Kirsch.** Die Tuberkulose und ihre Bekämpfung in der Kaiserlich-deutschen Marine und in den deutschen Schutzgebieten. Tr. Internat. Congr. Tuberc., 1908, **4**: 411–22.—**Kleberger, K.** Ueber die Zunahme der Tuberkulose unter der Zivilbevölkerung während des Krieges und über Massnahmen zu ihrer Bekämpfung. Erg. ges. Med., 1921, **2**: 73–109.—**Klusmann, T.** Berichtigungsbescheid nach § 65 Abs. 2 Verfahrensgesetz und Lungentuberkulose. Aerztl. Sachverst. Ztg, 1933, **39**: 57–61.—**Kollbrunner, F.** Die Schirmbildbefunde von Belsen. Schweiz. Zschr. Tuberk., 1947, **4**: 118–24.—**Kramer & Merz.** Reihenröntgenuntersuchungen im Standort Osnabrück, zugleich ein Beitrag zur Frage der Superinfektion mit Tuberkulose. Deut. Militärarzt, 1937, **2**: 317–20.—**Kremer.** Erfahrungen in der Diagnostik und Behandlung der extrapulmonalen Tuberkulose in Wehrmachtlazaretten. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 244.—**Lentz, O.** Zunahme der Tuberkulose während des Krieges und deren Ursache, sowie über einige neuere Massnahmen zur Tuberkulosebekämpfung. Zschr. ärztl. Fortbild., 1919, **16**: 513–21.—**Liebe, G.** Die Tuberkulose der Kriegsgefangenen [mit Nebenbemerkungen über die Tuberkulose in unserem Heere] Zschr. Tuberk., 1915, **24**: 363–70.—**Long, E. R.** Tuberculosis in German prison camps. Mil. Surgeon, 1945, **97**: 449.—**Mayer, A.** Die Bekämpfung der Tuberkulose in der Feldarmee. Münch. med. Wschr., 1914, **61**: 1920–3.—**Meyer, F.** Lungentuberkulose als Wehrdienstbeschädigung unter besonderer Berücksichtigung der Verhältnisse in der Kriegsmarine; über die Auslösung der Erkrankung; uber die Grundzüge klinischer Beurteilung. Beitr. Klin. Tuberk., 1942, **98**: 12–33. Also Veröff. Marine San., 1943, H. 35, 59–87. Also Klin. Wschr., 1943, **22**: 40 (Abstr.)—**Milark.** El diagnóstico precoz de la tuberculosis en el Ejército Aleman. Rev. san. mil., B. Air., 1935, **34**: 193–232.—**Nazi** treatment of consumptives. Med. Off., Lond., 1943, **69**: 108.—**Neumann, E.** Die durch die Kriegsverhältnisse gesteigerte Tuberkulosesterblichkeit vom Standpunkte der Rassehygiene. Deut. med. Wschr., 1920, **46**: 463.—**Oeding, P.** Tuberkulosehyppigheten blant 291 norske studenter under 1½ års fangenskap i Tyskland. Nord. med., 1946, **29**: 695–8.—**Pfaffenberg, R.** Heilstättenaufgaben im Kriege. Deut. Tuberk. Bl., 1943, **17**: 144–7.—**Radmann, C.** Wie verhält sich die Tuberkulose im Kriege? Oeff. Gesundhdienst., 1943, **9**: B, 209–17.—**Ranke, K. E., & Seiler, E.** Sozialhygienische Untersuchungen an 325 offentuberkulösen Kriegsinvaliden Münchens. Beitr. Klin. Tuberk., 1922, **50**: 483–95. ——— Die Infektion in den Familien offentuberkulöser Kriegsinvalider in München. Ibid., 496–504.—**Raschofszky, W.** Die Tuberkulose im Heere und ihre Behandlung. Militärarzt, Wien, 1914, **48**: 281.—**Rintelen.** Staatliche Fürsorge für die aus dem Heeresverbande entlassenen Tuberkulösen unter besonderer Berücksichtigung der Berufsberatung und Arbeitsvermittlung. Mbl. Gesundhpfl., 1918, **41**: 13–9.—**Rolott, W., & Schlegel, M.** Lungentuberkulose und Truppenarzt. Veröff. Heer. San., 1938, H. 105, 415–27.—**Saar.** Die Beäkmpfung der Tuberkulose in der deutschen Armee. Tr. Internat. Congr., Tuberc., 1908, **4**: 402–10.—**Sannemann.** Antituberculosis measures for German seamen. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 130–7.—**Schrag.** Ergebnis der Volksröntgenuntersuchung in Stuttgart bezüglich Tuberkulose und Prüfung der Frage der Notwendigkeit der Volksröntgenuntersuchung im Krieg. Schweiz. med. Wschr., 1942, **72**: 1363 (Abstr.)—**Schröder.** Tuberkulosebekämpfung und Luftkrieg. Oeff. Gesundhdienst., 1944, **10**: A, 57–61.—**Schröder, G.** Aus dem Genesungheim vom Roten Kreuz, Neue Heilanstalt, Schömberg bei Wildbad; die Tuberculose im Heere zur Zeit des Krieges. Med. Cor. Bl. württemb. ärztl. Landesver., 1915, **85**: 273–7. ——— Betrachtungen über dle Tuberkulose im Heere zur Zeit des Krieges. Zschr. Tuberk., 1915, **24**: 337–50.—**Schultzen.** Die Tuberkulose im deutschen Kriegsheer. Ibid., 1921, **34**: 550–8.—**Simon, G.** Der Spucknapf in der Kaserne. Deut. mil. ärztl. Zschr., 1913, **42**: 692–7.—**Szerreiks, E.** Tuberkulose der Lungen. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 275–93. ——— Tuberkulose der anderen Körperteile. Ibid., 293–5.—**Thiele.** Die Ergebnisse der neuzeitlichen Tuberkuloseforschung und das Mannschaftsversorgungsgesetz vom 31. V. 1906. Deut. med. Wschr., 1918, **44**: 66–8.—**Tuberculosis** and the Army [Germany] J. Am. M. Ass., 1939, **113**: 1978.—**Tuberculosis** in German prison camps. Bull. U. S. Army M. Dep., 1945, **4**: 428.—**Vorschriften** über das Verfahren bei der Behandlung und Entlassung der an tuberkulösen Lungenleiden erkrankten Heeresangehörigen einschliesslich ihrer Überführung in die bürgerliche Fürsorge. Zschr. Tuberk., 1916, **26**: 200–6.—**Weidinger, E.** Tuberkulosebekämpfung im Wehrkreis XVII. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3**: 226–36.

—— Great Britain.

Alderson, P. F. The incidence of tuberculosis in the Royal Navy. J. R. Nav. M. Serv., 1927, **13**: 24–32.—**Aspin, J., & Stalker, R.** Pulmonary tuberculosis in the services: survey of

100 cases. Lancet, Lond., 1941, 2: 518–20.—**Biró, L.** A jelen háború tuberculosis problémája Angliában. Orv. hetil., 1943, 87: 553.—**Bradlaw, A. S.** Pulmonary tuberculosis in the Navy. J. R. Nav. M. Serv., 1927, 13: 33–5.—**Can** an extended employment of radiology be used to reduce the incidence of tuberculosis in the Navy? Ibid., 1938, 24: 16–32.—**Clive, F. T.** Mass radiography in women; a review of 30,000 examinations in W. A. A. F. recruits. Tubercle, Lond., 1943, 24: 63–7.—**Courcoux, A., Chadourne, P., & Berthet, E.** Un centro completo de cura de la tuberculosis en Inglaterra, Papworth Village (transl.) Rev. san. mil. argent., 1948, 47: 339.—**Crawford, J. H.** Pulmonary tuberculosis in servicemen; analysis of 300 cases. Lancet, Lond., 1942, 2: 89–92, pl.—**Cummins, S. L.** Tuberculosis as a problem for the Royal Army Medical Corps. J. R. Army M. Corps, 1926, 46: 401–7. ——— Tuberculosis in the services. Tubercle, Lond., 1939–40, 21: 236–9.—**Daley, W. A., & Benjamin, B.** Tuberculosis in London in wartime. Brit. M. J., 1942, 2: 417–20. ——— Tuberculosis in London. Ibid., 1943, 2: 712.—**Dalrymple-Champneys, W.** Tuberculosis in England and Wales during the late war. Bull. Off. internat. hyg. pub., Par., 1946, 38: 1010–4.—**Dawe, C. H.** The incidence of tuberculosis in the Royal Navy. J. R. Nav. M. Serv., 1927, 13: 17–23. Also J. State M., Lond., 1927, 35: 341–8.—**Dudley, S. F.** Epidemiology of pulmonary tuberculosis in the Royal Navy. Brit. M. J., 1941, 1: 531. Also Lancet, Lond., 1941, 1: 481.—**Eight** cases of pulmonary tuberculosis from a destroyer flotilla, with some remarks. J. R. Nav. M. Serv., 1936, 22: 247.—**Eradication** (The) of bovine tuberculosis. J. R. Army M. Corps, 1934, 62: 121–5.—**Fitzpatrick, W. G. C.** Mass miniature photoradiography in the Royal Navy. Proc. R. Soc. M., Lond., 1940–41, 34: 406–10.—**Geddes, J. E.** War conditions and tuberculosis in Birmingham. Med. Off., Lond., 1946, 76: 149.—**Heaf, F. G.** Prevention of tuberculosis in war-time. Brit. J. Tuberc., 1941, 35: 127–33. ——— [Tuberculosis and its control in England during the war] Probl. tuberk., Moskva, 1944, No. 6, 51–8. ——— & **Rusby, L.** Tuberculosis in wartime; review of the present position of tuberculosis. Tubercle, Lond., 1939–40, 21: Suppl., 17–33. ——— A further review of tuberculosis in wartime. Ibid., 1942, 23: 107–30.—**Hodson, V. S.** Increase of tuberculosis. Brit. M. J., 1942, 1: 89.—**Human** tuberculosis in war. Vet. Rec., Lond., 1943, 55: 300.—**Increase** (The) of tuberculosis [London] J. Am. M. Ass., 1942, 120: 465.—**Increase** in tuberculosis produced by the war [Gt Britain] Ibid., 1943, 121: 206.—**Johnstone, J.** The tuberculous Service patient. Edinburgh M. J., 1943, 50: 754–6.—**Kayne, C. G.** Rehabilitation of the tuberculous in England. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 586–606.—**Kersley, G. D.** Pulmonary tuberculosis in soldiers. Brit. M. J., 1941, 1: 441.—**Lister, T. D.** The tuberculosis problem in war time. J. State M., Lond., 1917, 25: 147; 169.—**Livesay, A. W. B.** Tuberculosis. J. R. Nav. M. Serv., 1918, 4: 433.—**McDougall, J. B.** Tuberculosis in England during war. Am. Rev. Tuberc. 1942, 46: 677–83. Also Tr. Nat. Tuberc. Ass., N. Y., 1942, 38: 228–35.—**Mackintosh, J. M.** How Great Britain is meeting the tuberculosis problem. Pub. Health News, Trenton, 1942–43, 26: 348–50.—**MacNalty, A. S.** Tuberculosis in peace and war. Tubercle, Lond., 1942, 23: 263–84. ——— [Incidence of tuberculosis in the Army] In his Hist. State Med. England, Lond., 1948, 79.—**Martin, W. B.** Tuberculosis and the war. Brit. M. J., 1942, 1: 367.—**Mass** miniature radiography of British recruits. Radiology, 1942, 39: 343.—**Mass** miniature radiography in the detection of pulmonary tuberculosis among recruits to H. M. forces. J. Trop. M. Hyg., Lond., 1942, 45: 157.—**Oswald, N. C.** Pulmonary tuberculosis in African native troops. Thorax, Lond., 1946, 1: 100–17.—**Picken, R. M. F.** Tuberculosis in war-time. Pub. Health, Lond., 1941–42, 55: 132.—**Pulmonary** tuberculosis in the Navy [Great Britain] J. Am. M. Ass., 1941, 116: 2708.—**Report** of the Committee on Tuberculosis in war time. Bull. War M., Lond., 1942–43, 3: 281 (Abstr.)—**Rigden, B. G.** Tuberculosis and war. Lancet, Lond., 1941, 1: 551.—**Roberts, L.** Increase of tuberculosis. Brit. M. J., 1942, 1: 198.—**Ross, C.** Pulmonary tuberculosis in the Royal Navy, with special reference to its detection and prevention. J. R. Army M. Corps, 1914, 22: 65–81.—**Scott, A.** X-ray examination of militiamen. Brit. M. J., 1939, 2: 1250. ——— Increase of tuberculosis. Ibid., 1942, 1: 238.—**Shaw, T. B.** Tuberculosis in the Navy. J. R. Nav. M. Serv., 1927, 13: 1–16.—**Snell, W. E.** The influence of the war on the incidence of tuberculosis. Med. Press & Circ., Lond., 1942, 208: 59–61.—**Stocks, P.** Tuberculosis deaths and the war. Brit. M. J., 1942, 2: 750.—**Sutherland, H. G.** Tuberculosis in Great Britain at war. Am. Med., 1917, n. ser., 12: 91–8.—**Trail, R. R.** Miniature mass radiography in the R. A. F.; review of 20,000 examinations. Lancet, Lond., 1942, 1: 609.—**Trayer, H. G., Edwards, P. W.** [et al.] Tubercle and war. Ibid., 1943, 1: 315.—**Treatment** of tuberculosis in wartime [Great Britain] J. Am. M. Ass., 1939, 113: 2435.—**Treatment** of tuberculosis in war-time; satisactory facilities still available. Tubercle, Lond., 1939–40, 21: 64.—**Tuberculosis** in London in wartime. Ibid., 1943, 24: 22.—**Tuberculosis** and the war. Brit. M. J., 1942, 1: 297.—**Tuberculosis** in war-time. Med. Off., Lond., 1941, 65: 102. Also Lancet, Lond., 1942, 2: 172. Also Pub. Health, Lond., 1942–43, 56: 15. Also Tubercle, Lond., 1942, 23: 212.—**Tuberculosis** in war time: preventive measures recommended by the Medical Research Council. J. R. Inst. Pub. Health, 1942, 5: 212–6.—**Tuberculosis** in war time; report of the Medical Reseerch Council Committee. Lancet, Lond., 1942, 2: 435.—**W. J. S.** Tuberculosis in war-time; changes in notifications. Health Bull., Edinb., 1943–45, 3: 32.—**Wallace, J. E.** Increase in tuberculosis. Brit. M. J., 1942, 1: 163.—**War-time** difficulties. Med. Off., Lond., 1942, 68: 36.—**War-time** incidence of tuberculosis. Ibid., 92.—**Wartime** (The) increase of tuberculosis [Gt Britain] J. Am. M. Ass., 1943, 121: 962.—War and tuberculosis. Med. Off., Lond , 1940, 64: 179.—**Wartime** problems of tuberculosis. Brit. M. J., 1941, 1: 601.—**Willoughby, W. M.** Tuberculosis in the Mercantile Marine in Great Britain. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 138–40.—**Zacks, D.** War-time tuberculosis increase in Great Britain. Massachusetts Health J., 1943, 24: No. 2, 9.

—— Greece.

Hundreds die of tuberculosis in war-torn Greece. Chaser, Sanat., 1941–42, 20: No. 12, 1.

—— Guam.

Jacobziner, H. Tuberculosis program on Guam including an all-island tuberculin patch test study. U. S. Nav. M. Bull., 1948, 48: 700–21.

—— Haiti.

Higgins, M. E. Tuberculosis in Haiti. U. S. Nav. M. Bull., 1929, 27: 96–8.

—— Holland.

Heynsius van den Berg, R. Tuberculosis in Holland during the war. Bull. Union internat. tuberc., Par., 1947, 18: 64–89.—**Hoogslag, W.** De diagnostiek der longtuberculose in verband met de aanschrijving van den Generaal-Majoor, Inspecteur van den Geneeskundigen Dienst der Landmacht, d. d. 23 April 1919 No. 1155. Mil. geneesk. tschr., 1919, 23: 1–20.—**Lorentz, E. C.** Tuberculose en zenuwziekten big de marine. Ibid., 1905, 9: 73–88.—**Pijnappel, M. W.** Die Tuberkulose in der Niederländischen Armee. Zschr. Tuberk., 1915, 23: 440.—**Straub, M.** Tuberculosis in oorlogstijd. Geneesk. gids, 1941, 19: 737; 755.—**Tuberculosis** campaign among seamen. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 141–9.—**Van Den Berg, H.** Tuberculosis in Holland during the war. Tubercle, Lond., 1945, 26: 181–5.

—— Hungary.

Acs-Nagy, S. Ueber die systematische Bekämpfung der Militärtuberkulose nach dem Weltkrieg. Wien. klin. Wschr., 1918, 31: 1049–51.—**Fabinyi, R.** [Dissemination of tuberculosis in insane asylums during the war] Orv. hetil., 1920, 54: 185–8.

—— India.

India. Army Medical Directorate. Cases of pulmonary tuberculosis, Indian troops; previous clinical history. 1p. 25cm. Delhi, 1945. Forms No. 254, Admin. Instr. M. Dir. Army India.

—— Italy.

Bocchetti, F. Il nuovo sanatorio militare di Anzio. xlvii p. 8° Bergamo, 1933.

Argentina, G. B. Organizzazione e funzionamento del Reparto di accertamento per la tubercolosi del Corpo d'armata di Trieste. Gior. tisiol., 1924, 1: 39–42. ——— Gli elementi e la necessità di collegamento e di collaborazione dei centri diagnostici per le malattie tubercolari nella organizzazione generale difensiva della nazione contro la tubercolosi. Gior. med. mil., 1929, 77: 665–78.—**Bianchini, A.** Rilievi statistici sui casi di tubercolosi osteo-articolare curati presso il Sanatorio militare di Anzio. Ibid., 1935, 83: 736–48.—**Caccini, A. M.** The problem of tuberculosis in modern armies at war, and its study and solution in the Italian army. Med. Insur., 1917–18, 27: 286–98. Also Med. Rec., N. Y., 1918, 93: 529–39.—**Clemente, M.** Tubercolosi e Marina da guerra. Ann. med. nav., Roma, 1935, 41: pt 2, 563; 857. ——— Proposta di una scheda per i nuovi casi di tubercolosi tra i militari di marina. Ibid., 1939, 45: 326–31. ——— Le malattie dell'apparato respiratorio e la tubercolosi nella Marina italiana, durante il triennio 1933–35. Ibid., 1940, 46: 307–21. ——— Indice di morbosità tubercolare nell'Armata [Italy] Zbl. ges. Hyg., 1943, 51: 423 (Abstr.) ——— Andamento in generale ed in particolare delle malattie aspecifiche dell'apparato respiratorio e della tubercolosi nella marina militare prima e durante l'ultima guerra; mezzi di prevenzione; assicurazione obbligatoria contro la tubercolosi. Ann. med. nav., Roma, 1949, 54: 231–47, 5 ch.—**Daddi, G., & Montanini, N.** Rilievi anatomo-clinici sui militari deceduti per tubercolosi nell'Istituto C. Forlanini nell' anno 1941. Ann. Ist. Carlo Forlanini, 1942, 6: 277–88.—**Fagiuoli, A.** La lotta contro la tuberculosi nell'Esercito durante la guerra. Tuberculosi, 1916, 8: 59–66. ——— Il servizio antitubercolare nella 3ª Armata. Gior. med. mil., 1919, 67: 458–61. ——— Come si è svolta la campagna antitubercolare nell'esercito e nel paese durante la guerra. Tubercolosi, 1919, 11: 25–30.—**Falso, A.** L'attività della Sanità militare marittima nel campo della lotta antitubercolare. Lotta tuberc., 1936, 7: 400–3.—**Fanano, V.** L'importanza del filtro militare nella lotta contro la tubercolosi. Ibid., 1941, 12: 143–6.—**Gelonesi, G.** Profilassi antitubercolare nell'ambiente

militare marittimo e suoi rapporti con la profilassi sociale. Ann. med. nav., Roma, 1935, **41**: pt 1, 203–26.—**Impallomeni, R.** La tubercolosi polmonare negli ascari eritrei della cirenaica all'indagine radiologica. Gior. med. mil., 1935, **83**: 937–45, 4 pl.—**Inaugurazione** dell'Istituto Sanatoriale Benito Mussolini. Ann. med. nav., Roma, 1934, **40**: pt 2, 789–91, pl.—**L'Eltore, G., & Caranti, E.** La mortalità tubercolare in Italia durante a dopo la guerra. Lotta tuberc., 1948, **18**: 107–19.—**Lionti, G.** Sulla diffusione della tubercolosi nel Libici e negli Eritrei. Arch. ital. sc. med. col., 1929, **10**: 451–9.—**Locali** (I) per l'assistenza ai tubercolosi di guerra. Riv. ingegn. san., 1918, **14**: 139–42.—**Lo Schiavo, R.** Incidenza della tubercolosi polmonare fra i sommergibilisti durante la guerra. Ann. med. nav., Roma, 1946, **51**: 199–208.—**Lotta** (La) antitubercolare nell'Esercito. Gior. med. mil., 1917, **65**: 817–22.—**Lutrario, A.** La difesa sociale contro la tubercolosi di guerra. Ibid., 1918, **66**: 357–68.—**Maffei, N.** La tubercolosi nei nostri soldati reduci dalla prigionia in Germania. Lotta tuberc., 1947, **17**: 47–51.—**Maffi, F.** Contro la tubercolosi di guerra (un progetto di legge) Osp. maggiore, Milano, 1919, 3. ser., 7: 119.—**Mantoux, C.** La lutte contre la tuberculose dans l'Armée Italienne. Paris méd., 1918, **28**: Suppl., 1.—**Maragliano, E.** La tubercolosi considerata specialmente in rapporto alla medicina militare. Lavoro, 1916–17, **9**:–**10**: 104–17. Also Cron. clin. med. Genova, 1917, **23**: 209–24. Also Gazz. med. lombarda, 1917, **74**: 171; 179. Also Gior. med. mil., 1917, **65**: 559–72.—**Maria, F.** L'ufficio medico-legale di Milano pei soldati riformati per malattie tubercolari. Tubercolosi, 1918, **10**: 52–5.—**Mendes, G.** L'organizzazione militare antitubercolare. Ibid., 33–40.—**Nuovo** (Il) Decreto Luogotenenziale per i tubercolosi di guerra. Ibid., 55–64.—**Palieri, R.** La morbilità tubercolare nel personale di servizio e considerazioni profilattiche. Ann. Ist. Maragliano, 1938, **8**: 135–7.—**Pascale, G.** Generalità sulle provvidenze sanitarie pei tubercolotici di guerra in Napoli. Riforma med., 1920, **36**: 549.—**Poli, C.** La Croce Rossa Italiana nella lotta contro la tubercolosi. Tubercolosi, 1918, **10**: 47–52.—**Rodinò, N.** Il bacillo di Koch e la profilassi immunitaria antitubercolare. Gior. med. mil., 1935, **73**: 44–58.—**Romanelli, G.** Le malattie tubercolari latenti delle vie aeree esplose durante il servizio militare. Cron. clin. med. Genova, 1917, **23**: 72–86.—**Ronzoni, G.** Per la profilassi antitubercolare nell'Esercito. Tubercolosi, 1916, **8**: 75–9. ——— Le malattie tubercolari in rapporto al servizio militare con speciale riguardo allo stato attuale di guerra. Attual. med., Milano, 1917, **6**: 409–23. ——— Il reparto di accertamento diagnostico centro della organizzazione militare profilattica antitubercolare. Gior. med. mil., 1917, **65**: 844–60. ——— L'opera svolta dalla Sanità militare in favore della difesa nazionale contro la tubercolosi. Tubercolosi, 1918, **10**: 40–6. ——— L'assistenza agli invalidi per tubercolosi. Atti Conf. interall. inval. guerra, 1919, **3**: 655–64. Also Gior. med. mil., 1919, **67**: 1315–21. ——— Il Reparto di Accertamento Diagnostico nei rapporti della difesa civile in Milano. Atti Soc. lombard. sc. med., 1920, **9**: 159–66.—**Schupfer, F.** Il problema della tubercolosi nell'Esercito. Atti Accad. med. fis. fiorent., 1918, 37–54. Also Sperimentale, 1918, **72**: 165–82.—**Sestini, L.** A proposito del recente convegno delle opere antitubercolari. Ann. med. nav., Roma, 1916, **2**: 591–602.—**Sforza, N.** La prophylaxie antituberculeuse dans l'Armée Italienne. Paris méd., 1918, **27**: 406–10.—**Soldi, T.** Combating tuberculosis in the Italian merchant service. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 150–4.—**T., A.** La mortalità per tubercolosi in alcune città italiane durante e dopo la guerra. Notiz. ammin. san., 1948, **1**: 244–7.—**Trepiccioni, E.** Convegno della sezione Emilia-Romagna della Federazione nazionale fascista per la lotta contro la tubercolosi. Gior. med. mil., 1934, **82**: 775–8.—**Tubercolosi** (La) di guerra e in tempo di guerra; il Convegno nazionale di Roma. Difesa sociale, 1942, **21**: 569.—**Villa, A.** Le provvidenze statali ai tubercolosi militari restituiti al Paese. Italia san., 1919, **2**: No. 13, 4.—**Zucchelli, E.** Tubercolosi ed Esercito; i compiti del Consorzio provinciale antitubercolare in tempo di guerra. Riv. ital. tuberc., 1942, **17**: 289–99.

—— Japan.

Arai, G., Nakagaki, T., & Watanabe, T. Naiti kansō kanzya-tyū geka-teki kanzya ni tai-suru kyōbu kansetu satuei ni tuite [Indirect photography of the thorax in the surgical patients among those invalided to Japan (from the front)] Gun idan zassi, 1943, 1444–51.—**Basyōmatu, N., & Komata, S.** Tu rentai ku syōwa zyū nen kō han tyōhei kensa ni oite sōtel sanzen gohyaku mei ni hodokositaru Mantoux-si hannō ni tuite [(Results of) Mantoux's test (for tuberculosis) given to 3500 conscripts of the first company of 1935 in the Tu regimental district] Ibid., 1938, 223–32.—**Gimlette, C. H. M.** The detection of early pulmonary tuberculosis in the Imperial Japanese Navy (Sakurai and Nagashige, June 1938, Bull. Nav. M. Ass.) J. R. Nav. M. Serv., 1939, **25**: 385–94. ——— The seed and the harvest; an investigation as to the number of men infected as the result of the presence of one single case of tuberculosis in a destroyer of the Imperial Japanese Navy. Ibid., 1940, **26**: 295.—**Kobayasi, K., Yamasita, K., & Satō, M.** Yokosuka tinzyuhu kanka ni okeru kekkaku-sei kokyū-ki sikkan ni yoru men-eki kanzya ni kan-suru tōkei-teki kansatu [Statistical observations of sufferers from diseases of the respiratory organs who were exempted from military service under the jurisdiction of the Yokosuka Naval Depot] Gun idan zassi, 1938, 883–90.—**Konno, Y.** Rikugun bō-kō seito ni okeru kekkaku ni kan-suru ni-san no tiken ni tuite [Some information on tuberculosis among the students of a certain Army school] Ibid., 1943, 1452–60.—**Nakamoto, T.** Syōwa ni nen tyōbo kaihei ni okeru tuberculin hi-nai hannō no sui ni tuite [Changes in the course of time in the intradermal tuberculin reaction in marines who enlisted in 1927] Kaigun gun ikai zassi, 1932, **21**: 197–210.—**Noma, M.** Kō-in no taikaku toku-ni kekkaku-sei sisitu ni kan-suru tōkei-teki kansatu [Statistical observations on the physiques, especially of a tuberculous nature, of workmen in a naval arsenal] Ibid., 1939, **28**: 765–78.—**Ohkubo, S., Katō, S.** [et al.] Kure tinzyuhu kanka ni okeru kekkaku-sei kokyūki sikkan ni yoru men-eki kanzya ni kan-suru tyōsa seiseki [Results of examinations of sufferers from tubercular diseases of the respiratory organs who were exempted from military service under the jurisdiction of the Kure Naval Depot] Gun idan zassi, 1938, 891–906.—**Sugiyama, K., & Itō, K.** Tuberkulin hannō yori mitaru taihei no kekkaku kansen ritu to kekkaku, kyōmakuen yobō-zyō Tuberkulin hannō in-yō ryō-gun no kakuri ni tuite [Infektionsprozentsatz der Tuberkulose auf Grund der Tuberkulinreaktion und die Isolierung der positiven Gruppe von der negativen] Ibid., 1934, 325–54.—**Teramoto, K.** Kekkaku-kin kensa seiseki ni tuite [Results of examinations for tubercle bacilli] Ibid., 1924, 213.

—— Jugoslavia.

Furlan, T. [Epidemiology of tuberculosis in Yougoslavia; mortality] Voj. san. glasnik, 1936, **7**: 47–60.—**Goldner, M.** Indeks prokuženosti tuberkulozom u FNRJ. Voj. san. pregl., Beogr., 1949, **6**: 171–3.—**Ivanić, S.** [Social causes of tuberculosis in Jugoslavia] Voj. san. glasnik, 1931, **2**: 429–41.—**Jovanović, R.** [Organisation de la lutte antituberculeuse dans l'Armée yougoslave] Deut. Militärarzt, 1940, **5**: 506 (Abstr.)—**Konstantinović, B.** [Extent of tuberculosis in Jugoslavia and its study by statistical methods] Voj. san. glasnik, 1931, **2**: 442–7.—**Protić, G.** [Statistics on tuberculosis in the Army] Ibid., 448–59.—**Radmilo, J.** Organisation de la lutte antituberculeuse dans l'Armée yougoslave. Sess. Off. internat. docum. méd. mil., 1937, **7**. Sess., 219–45. Also Bull. internat. Serv. santé, Liége, 1939, **12**: 5–28.—[**Regulations** of the anti-tuberculosis campaign in the Army and Navy] Voj. san. glasnik, 1936, **7**: 643–59.—**Rudivić, Z. M.** [Tuberculosis in the Serbian Army] Rad. Godiš. skupšt, Jugosl. lek. društva (1921) 1922, 3. Conf., 64–71. ——— [Tuberculosis in a military music school] Voj. san. glasnik, 1935, **6**: 421–3.—**Studić, J.** Zaštita trupe od tuberkuloze. Voj. san. pregl., Beogr., 1949, **6**: 173–6.—**Zivanović, T.** [Tuberculosis in recruits] Voj. san. glasnik, 1930, **1**: 274–80. ——— [Are the Serbians resistent to tuberculosis?] Ibid., 1940, **11**: 509–15.

—— Manchuria.

Yamada, M. Nanbu Tōhen-dō ni okeru manzin zidō seitō ni zissi seru tuberculin hinai hannō tyōsa seiseki ni tuite [Results of the tuberculin test given to Manchurian school-children in the eastern part of the south of Manchuria] Gun idan zassi, 1938, 233–40.

—— Mexico.

Gómez del Campo, C. La campaña contra la tuberculosis pulmonar en el Ejército mexicano. Bol. san. mil., Méx., 1949, **2**: 448–52.—**Lozano Garza, A.** Las tuberculosis quirúrgicas en el Ejército nacional. Rev. cirug. Hosp. Juárez, Méx., 1935, **6**: 735–41.—**Vargas, F. R.** Lineamientos generales sobre campaña antituberculosa en el Ejército. Mem. Convenc. méd. mil. mex., 1936, 156–8.

—— Morocco.

Laurens, J. R., & Gauch, M. La tuberculose au Maroc. Rev. Serv. san. mil., Par., 1937, **106**: 649–74.

—— New Zealand.

MacLeod, E. K. The early diagnosis of pulmonary tuberculosis; a review of cases revealed in recruits by radiological examination. N. Zealand M. J., 1944, **43**: 237–40.—**Tuberculosis** in wartime. Ibid., 1942, **41**: 49.

—— Norway.

Arborelius, M. [Tuberculosis in the Army] Nord. med., 1940, **8**: 1745–8.—**Baastad, W. F.** [Observations on the researches on tuberculosis in the Army] Norsk. tskr. mil. med., 1924, **28**: 6–13.—**Fjeldstad, A.** [Researches on tuberculosis among sailors conscripted during 1921–25] Ibid., 1927, **31**: 105–11.—**Mehn-Andersen, O.** Tuberkuloscmorbiditeten blandt vernepligtige på Vestlandet. Med. rev., Bergen, 1932, **49**: 481–99.—**Øverland, A.** [Tuberculosis statistics from our schools for non-commissioned officers] Norsk tskr. mil. med., 1927, **31**: 133–43. ——— [Tuberculosis among the conscripts in Norway] Tskr. mil. hälsov., 1934, **59**: 271–86.—**Vedeler, E.** [Tuberculosis statistics among soldiers] Norsk tskr. mil. med., 1927, **31**: 144.—**Westergren, A.** [Tuberculosis in the navy] Nord. med., 1940, **8**: 1748–50.

—— Paraguay.

Boettner, V. Tuberculino-reacción en hijos de inmigrantes alemanes en el Paraguay. Rev. san. mil., Asunción, 1938–39,

12: 839–43.—**Buongermini, G.** La profilaxis de las enfermedades endotoráxicas y en especial de la tuberculosis pulmonar en las FF. AA. de la Nación. Ibid., 1943, No. 139, 203–10.

—— Peru.

GUERRA, R. B. Primeros resultados de la campaña antituberculosa iniciada en el Ejército; resultados de tres años de labor. p.263–342. 25cm. Lima, 1942.

Rev. tuberc., Lima, 1942, 2: Also Rev. san. mil., Lima, 1943, 16: 11–90.

Alarco, G. Programa para la campaña contra la tuberculosis [plan of campaign] Rev. san. mil., Lima, 1928, 1: 16–9.—**Arias Schreiber, M.** Desarrollo del programa para la campaña contra la tuberculosis. Ibid., 20–35.—**Aste, H.** Intradermoreacción de Mantoux en las poblaciones militar y civil de Lambayeque y Chiclayo. Ibid., 1935, 8: 32–5, 2 ch.—**Campaña** antituberculosa en el Ejército. Ibid., 1939, 12: 3–7.—**Escomel de la Piedra, L.** La tuberculosis en nuestro oriente; de un ensayo de patología general de la región selvática peruana. Ibid., 1941, 14: 123–39. ——— Instalación de dispensarios antituberculosos y despistajes realizados en las divisiones. Ibid., 1947, 20: 73–93.—**Guerra, R.** Apuntes sobre despistaje de la tuberculosis en el medio militar con la ayuda de las radioscopías seriadas. Ibid., 1940, 13: 7–49, 8 pl.—**Martínez, R.** Contribución al estudio del indice de infección tuberculosa en el medio militar. Ibid., 1941, 14: 75–107.—**Mejía G., J. E.** La alergia tuberculínica porcentual en el medio militar con motivo de haberse verificado 203 intradermo reacciones de Mantoux. Ibid., 1935, 8: 14–31.—**Monge, C.** La tuberculosis en el Ejército. Ibid., 1934, 7: 338–51.—**Montoya, J.** Investigaciones de la alergia tuberculínica en los nuevos contingentes. Ibid., 1935, 8: 38–43, 2 ch.—**Primeras** (Las) etapas de la campaña antituberculosa en el Ejército. Ibid., 1940, 13: 3–6.—**Sotelo, E., & Sotelo, G.** Despistaje anti-tuberculoso practicado en los efectivos de la Segunda región, en los años 1946–47. Ibid., 1947, 20: 53–72.—**Zevallos, C. A.** Consideración sobre los resultados de las pruebas de la tuberculina y la proposición de implantar la premunición en el Ejército. Ibid., 1935, 8: 9–13.

—— Philippine Islands.

Francisco, S. A., & Ongpin, C. Observations and problems in tuberculosis in the city of Manila before, during and after the Japanese occupation. J. Philippine M. Ass., 1946, 22: 145–51.—**Poust, L. R.** Tuberculosis in the Philippines. Mil. Surgeon, 1931, 69: 45–8.—**Valdés, B. J.** Tuberculosis among the constabulary soldiers. Proc. Nat. Congr. Tuberc., Manila (1926) 1927, 1: 185–90.

—— Poland.

Bong, A. [Periodical roentgen examinations in combatting tuberculosis in the Army] Lek. wojsk., 1938, 31: 38–46.—**Gorzkowski, E.** [Cutaneous reactions to tuberculin in the Army] Ibid., 32: 452–63.—**Telatycki, M.** [Tuberculosis in the Polish Army and its prevention] Ibid., 1934, 23: 183–93. ——— [The problem of military medicine in relation to pulmonary tuberculosis in the Army] Ibid., 1936, 28: 20–40.

—— Portugal.

Fonseca, F. da, Ribeiro, R., & Terenas Latino, R. Vacinação antituberculosa pelo B. C. G. na Armada. J. méd., Pôrto, 1949, 13: 669–75.—**Silva, M. da.** A propósito dos casos de tuberculose, observados radiologicamente, entre o pessoal do 1º Batalhão expedicionário do Regimento de infantaria Nº 4, desde o seu aquartelamento na Ilha da Terceira (Açores) Amatus Lusitanus, Lisb., 1946, 5: 525–31.

—— Puerto Rico.

Vivas, R. The problem of tuberculosis in Puerto Rico in the event of mobilization. Bol. As. méd. Puerto Rico, 1941, 33: 157–9.

—— Romania.

Balanescu, I., & Zamfir, D. Granulia rece. Rev. san. mil., Bucur., 1934, 33: 464–70.—**Butoianu, M., & Bălănescu, V. I.** Tuberculoza în armată. Rev. şt. med., Bucur., 1931, 20: 89–95.—**Daniello, L., & Bumbacescu, N.** [The question of pulmonary tuberculosis in the Army in time of war] Cluj. med., 1940, 21: 98–105, 4 pl.—**Giurea, G. N., & Fiamboli, P.** Examenul radiologic in depistarea colectivă a tuberculozei pulmonare in armată. Rev. san. mil., Bucur., 1936, 35: 1175–83.—**Iliescu, C., Bălănescu, I., & Gaspar, I.** Contributions à l'étude de la tuberculose dans l'Armée. Ibid., 1937, 36: 483–91.—**Irimescu, S.** Extensia tuberculozei printre civili şi militari. România med., 1941, 19: 254.—**Mavru** [Treatment of tuberculosis in Berck-Plage] Rev. san. mil., Bucur., 1930, 29: 343–50.

—— Russia.

Avgušević, N. L. [Organization of prevention of tuberculosis in the Red Army] Borba s tuberk., 1934, 17–9.—**Beilin, I. B.** [Tuberculosis among subjects of the recruiting age in Soviet Russia] Ibid., 110–4.—**Benderskaja, A. S.** Opyt raboty sanatornoj tuberkuleznoj gruppy detskogo sada v voennoe vremja. Pediatria, Moskva, 1946, 56.—**Blumkin, N. T., & Vidutzky, M. A.** [Tuberculosis prevention in the Red Army] Borba s tuberk., 1933, 11: 15–7.—[**Control** of tuberculosis in the USSR during the present war] Probl. tuberk., Moskva, 1942, No. 4, 3–5.—**Derechinsky, I. I.** [Control of tuberculosis in the Soviet Union and its realization during the present war] Feldsher, Moskva, 1944, 44–7. ——— [The work of health stations in control of tuberculosis in industries during the present war] Ibid., No. 9, 50–5.—**Gurevich, I.** Nekotorye voprosy organizacii borby s tuberkulezom legkikh v RKKA Voen. san. delo, 1939, No. 10, 70–4.—**Idelson, J. M.** Armii i tuberkulez. Kazan. med. J., 1913, 13: 1–38, 2 tab.—**Khlebnikov, V. N.** [Pulmonary tuberculosis in the Army] Klin. med., Moskva, 1943, 21: No. 10, 25–9. ——— Anamnez i semiotika legočnogo tuberkuleza. In: Opyt sovet. med. v Velik. otečˊ. vojne, Moskva, 1950, 25: 93–112, 8 pl.—**Khmelnicky, B. M., Bunina, B. Z.** [et al.] [Early and latent forms of tuberculosis among wounded and sick in hospitals] Klin. med., Moskva, 1943, 21: 50–3.—**Klebanov, M. A.** [Organization for early detection of tuberculosis in evacuation hospitals] Probl. tuberk., Moskva, 1942, No. 3, 8–.—**Korneev, A. D.** [On manifestations of tuberculosis among the young recruits of the Red Army] Vrach. delo, 1940, 22: 435–40.—**Kvasnicky, G. A.** [Tuberculosis in the Red Army] Profil. med., Kharkov, 1928, 2: 159–64.—**Levitin, F. I.** [The control of tuberculosis in the USSR during the present war] Sovet. zdravookhr., 1943, No. 12, 9–15. ——— [The tasks next in turn in the struggle against tuberculosis in the great Patriotic war] Probl. tuberk., Moskva, 1944, No. 6, 3–8.—**Minozzi, A.** Osservazioni clinico-biologiche sulla tubercolosi polmonare di guerra, con riferimento particolare a reduci provenienti dai campi di concentramento di Russa. Gior. ital. tuberc., 1948, 2: 158–62.—**Mishtovt, G. V.** Tuberkulez po protokolam vskrytij Semenovskago-Alexandrovskago voennago hospitalja za 18 let (1894–1911 gg.) Voen. med. J., S. Peterb., 1914, 240: Med. spec. pt, 36–46.—**Nezlin, S. E.** [Activity of tuberculosis institutes during the present war] Probl. tuberk., Moskva, 1942, No. 4, 51–4.—**Oeffebach, M. I.** [The basic tasks of tuberculosis control in wartime and the work of the nurse] Med. sestra, Moskva, 1944, No. 3, 8–11. ——— [Tuberculosis control in the RSFSR during the present war] Probl. tuberk., Moskva, 1944, No. 2, 3–13.—**Rabukhin, A. E.** [War and tuberculosis] Ibid., 1943, No. 5, 43–55. ——— [Tuberculosis control in wartime] Sovet. zdravoohr., 1943, 49–53.—**Schreiberg, L. G., & Vinogradov, A. I.** Internat dlja invalidov Otečˊestvennoj vojny na baze doma invalidov dlja tub. khronikov. Probl. tuberk., Moskva, 1945, No. 3, 78.—**Shubin, S. A.** [Activity of institutions for tuberculosis in Moscow during the present war with Germany] Ibid., 1942, No. 1, 75–7.—**Sofronov, M.** [Tuberculosis infection among the soldiers of the Red Army] Vopr. tuberk., 1928, 6: No. 12, 83–5.—**Sukennikov, V. A.** K izucheniju sanitarnykh posledstvij vojny v oblasti tuberkuleza. Vrach. delo, 1946, 355–60.—**Volkova, M. A.** [Activity of the Irkutsk regional tuberculosis dispensary during military operations] Probl. tuberk., Moskva, 1942, No. 3, 83–6.—**Voznesensky, A. N.** Tuberkulez verhnikh dykhatelnykh putej po dannym specializirovannogo evakohospitalja. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 45–7.—**Zinovjev, K. N.** Sanatorija morskogo vedomstva imeni Eja Imperatorskago Velicˊestva Gosudaryni Imperatricy Alexandry Fedorovny. Morsk. vrach, 1914, 127–31, plan.

—— Spain.

Casanueva Cabezas, T. La tuberculosis en el Ejército. Med. & cir. guerra, 1946, 8: No. 20, 43–56.—**Castro Hernando, M. de.** Problemas que plantea el estudio de la lucha antituberculosa en el Ejército. Rev. españ. tuberc., 1934, 5: 587, illust.; passim.—**Espina y Capo, A.** El cuadro de exenciones del ejército desde el punto de vista del potencial biológico ante la tuberculosis. Rev. med., cirug. práct., Madr., 1914, 105: 361; 406.—**Fernández Caro.** La tuberculosis en la Marina de guerra. Congr. españ. internac. tuberc. (1912) 1914, 2. Congr., 2: 521–42.—**Gómez López, A.** La primoinfección tuberculosa en nuestro Ejército. Rev. españ. med. cir. guerra, 1943–44, 2. época, 6: 298–403.—**González Gil, U., Latas Miguélez, J., & Robador Ibáñez, J. M.** La tuberculosis en el Ejército; resultado de la investigación sistemática en 2.808 soldados. Rev. españ. tuberc., 1949, 18: 455–62.—**Las Ríos, F. de.** La tuberculosis en el Ejército. Rev. san. mil., Madr., 1934, 24: 65–7.—**Menárguez y Carretero, L.** Orientaciones de lucha antituberculosa en el Ejército. Rev. españ. med. cir. guerra, 1945, 7: 525–8.—**Morales Fernández, A.** Cómo debe entenderse el problema de la tuberculosis en el Ejército. Congr. españ. internac. tuberc. (1912) 1914, 2. Congr., 2: 723–30.—**Souto Beavis, J.** The campaign against tuberculosis in the Spanish mercantile marine, Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 121–9.—**Urgoiti, A., & Hermida, J.** La tuberculosis en el cuartel. Arch. med., Madr., 1934, 37: 1337–41.—**Valdés Lambea, J.** Aspectos parciales del problema Tuberculosis en el Ejército. Rev. san. mil., Madr., 1928, 18: 243–9.—**Villanúa Ibánez, E.** La lucha antituberculosa en la Marina de guerra. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., 2: 246–50.

—— Sweden.

NELSON, A. G. A. The fluorographically disclosed cases of pulmonary tuberculosis and their

early prognosis; a mass survey of the Swedish Navy, 1941–42. 118p. 25cm. Kbh., 1946.
Forms Suppl. 16, Acta tuberc. scand.

Arborelius, M. Färsk tuberkulos hos värnpliktiga. Tskr. mil. hälsov., 1927, **52**: 180–202, 5pl. ——— Arméns tuberkulosfråga. Ibid., 1930, **55**: 225–41. ——— Tuberkulos och militärtjänstgöring. Ibid., 1934, **59**: 287–317. ——— L'infection tuberculeuse primaire chez les hommes de troupe suédois. Arch. méd. belges, 1936, **89**: Bull., 47–59. Also Sess. Off. internat. docum. méd. mil. (1935) 1937, 5. Sess., 125–40.—**Bergman, R.** [Researches on the occurrence of tuberculosis among conscripts in Göteborg and Bohus] Tskr. mil. hälsov., 1925, **50**: 209–17.—**Lindhagen, E.** [Pulmonary tuberculosis among the conscripts and in the Army] Hygeia, Stockh., 1925, **87**: 291–316.—**Lindsjö, D.** The campaign against tuberculosis in the Swedish defence forces. Bull. internat. Serv. santé, Liége, 1949, **22**: 107–12.—**Lindvall, H.** [Tuberculosis in the Army] Tskr. mil. hälsov., 1938, **63**: 179–85.—**Nilsson, E.** [Our conscripts and pulmonary tuberculosis] Hygiea, Stockh., 1925, **87**: 81; 113, 3pl.—**Nordwall, G.** [Prevention of tuberculosis in the Navy and Stockholm regiments] Tskr. mil. hälsov., 1936, **61**: 149–84, 5ch.—**Thunström, S.** [Roentgen mass examination in the Army; roentgen examination for tuberculosis among the recruits in Boden] Ibid., 1937, **62**: 55–76.—**Westergren, A.** Om nyupptäckt tuberkulos och militärtjänst, resp. sanatorievård. Sven. läk. tidn., 1943, **40**: 2892.—**Widnäs, K.** Krigsårens inverkan på tuberkulosen i Vasa stad. Nord. med., 1947, **33**: 124–8.

—— Switzerland.

Klaus, E. *Tuberkulose und Armeereihendurchleuchtung 1943/44; soziale und wirtschaftliche Auswirkungen der Armeereihendurchleuchtung [Zürich] 34p. 23cm. Basel, 1948.
Also: Vjschr. schweiz. Sanitätsoff., 1948, **25**: No. 1.

Adler, A. Allgemeine Erfahrungen der Tuberkuloseabklärungsstelle Aarau. Praxis, Bern, 1940, **29**: 335–7.—**Arnold, E. H.** L'aspect démographique actuel de la tuberculose dans l'Armée. Ibid., 1945, **34**: 251. ——— Tuberculose et Armée. Schweiz. med. Wschr., 1943, **73**: 977–83.—**Bachmann, E., Kartagener, M.** [et al.] La pratique des expertises en matière de tuberculose, considérée par rapport à l'assurance militaire fédérale. Rev. méd. Suisse rom., 1941, **61**: 193–203. Also Schweiz. med. Wschr., 1941, **71**: 81–3.—**Delachaux, E.** Premières données des intradermo-réactions tuberculiniques pratiquées chez les recrues suisses. Ibid., 1947, **77**: 1304–6.—**Frei, C.** Ergebnis der systematischen Röntgendurchleuchtung einer Heereseinheit zu Beginn des Ablösungsdienstes 1942. Ibid., 1943, **73**: 778–82.—**Greppin, J.** Réactions de Mantoux dans l'Armée suisse. Bull. internat. Serv. santé, Liége, 1949, **22**: 113–5.—**Haefliger, E.** Die Bedeutung der Lungendurchleuchtungen in der Armee und ihr Ergebnis bei der erweiterten sanitarischen Eintrittsmusterung der M. S. A. III/6. Praxis, Bern, 1940, **29**: 221–4.—**Kartagener, M.** Tuberkulose-Probleme in der Armee. Ibid., 1942, **31**: 461–4.—**Klaus, E.** Tuberkulose und Armeereihendurchleuchtung 1943–44; soziale und wirtschaftliche Auswirkungen der Armeereihendurchleuchtung. Vjschr. schweiz. Sanitätsoff., 1948, **25**: 13–43.—**Meissen, E.** Die Versorgung der Kriegstuberkulösen im schweizerischen Heer. Zschr. Tuberk., 1916, **26**: 249–63.—**Meuli, H.** Ueber die Tuberkuloseprophylaxe und andere gruppenmedizinische Massnahmen in der Armee. Vjschr. schweiz. Sanitätsoff., 1948, **25**: 89–98. Also Militärsanität, Zür., 1950, **32**: 1; passim.—**Morgenthaler.** Tuberkulose und Armee im Aktivdienst 1939 und folgenden Jahren; Tuberkulose und Militärversicherung; die rechtliche Grundlage. Schweiz. med. Wschr., 1943, **73**: 774–8.—**Morin.** C.V.S., assurance militaire, commission des pensions et tuberculose. Rev. méd. Suisse rom., 1945, **65**: 830–3.—**Staehelin, R.** Tuberkulose und Militärversicherung. Korbl. Schweiz. Aerzte, 1916, **46**: 705–22. ——— Einige Fälle von Lungentuberculose aus dem Militärdienst. Ibid., 1918, **48**: 721–5.—**Steiner.** Les aspects de la tuberculose dans l'Armée. Praxis, Bern, 1943, **32**: 221; 373.—**Tobler, M.** Ueber Tuberkulose-Todesfälle in der schweizerischen Armee mit besonderer Berücksichtigung der Spätersinfektion. Schweiz. Zschr. Tuberk., 1946, **3**: 317–38.—**Uehlinger, E.** Tuberkulose und Armee im Aktivdienst 1939 und folgenden Jahren; Bericht über eine Tuberkulose Endemie in einer F. Bttr. Schweiz. med. Wschr., 1943, **73**: 769–74.—**Vollenweider, P.** La lutte contre la tuberculose dans l'Armée de milices. Méd. & hyg., Genève, 1947, **5**: 186.—**Voûte.** Tuberkulose und Armee im Aktivdienst 1939 und folgenden Jahren. Schweiz. med. Wschr., 1940, **70**: 1188–92. ——— Tuberkulose und Armee im Aktivdienst 1939 und in den folgenden Jahren; die Versorgung der chronisch Kranken. Ibid., 1944, **74**: 786.

—— Tunis.

Michel, J., & Michel-Lauriat, H. Contrôle tuberculinique dans le milieu scolaire indigène de l'extrême Sud-Tunisien, à Zarzis. Bull. Soc. méd. mil. fr., 1938, **32**: 426–32.

—— Turkey.

Boysan, M. [Systematic radioscopy in the Army for early diagnosis of pulmonary tuberculosis] Askerî sıhhiye mecmuası, 1936, **65**: 213–24.

—— United States.

United States. Department of the Army. Technical bulletin TB MED 231: Prevention of spread of tuberculosis in Army and Air Force hospitals. 14p. tab. 26cm. Wash., 1949.

Amesse, J. W. Selective Service Act in its relation to the prevention of tuberculosis. Rocky Mountain M. J., 1941, **38**: 286–8.—**Biggs, H. M.** A war tuberculosis program for the nation. Am. Rev. Tuberc., 1917, **1**: 257–66.—**Brown, G. C.** X-ray and clinical findings in the routine examination of the chests of 10,000 inductees. Mil. Surgeon, 1943, **92**: 423–7.—**Burge, F. W.** The tuberculosis problem in the mobilization of military and naval personnel. Dis. Chest, 1941, **7**: 18–20.—**Bushnell, G. E.** Examination of troops for tuberculosis. Boston M. & S. J., 1917, **177**: 236. ——— The diagnosis of tuberculosis is in the military service. Am. Rev. Tuberc., 1917–18, **1**: 325–52. ——— How the United States is meeting the tuberculosis war problem. Tr. Nat. Tuberc. Ass., 1918, **14**: 93–103. ——— Division of Internal Medicine: Tuberculosis Section. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 373–7.—**Dempsey, M.** Wartime increases in tuberculosis death rates; statistical data. Am. Rev. Tuberc., 1943, **47**: 219–21.—**Drolet, G. J.** World War I and tuberculosis; a statistical summary and review. Am. J. Pub. Health, 1945, **35**: 689–97.—**Eakins, W. T.** Tuberculosis in war time in New Jersey. Pub. Health News, Trenton, 1942–43, **26**: 225–9.—**Elimination** of tuberculosis in civilians and in members of the Armed Forces. N. England J. M., 1942, **226**: 545.—**Fernando, J. S.** Military service and its relation to tuberculosis control. Mil. Surgeon, 1933, **72**: 40–3.—**Frankel, E. J.** Tuberculosis in war and post-war periods. Hospitals, 1942, **16**: No. 7, 39–42. ——— The impact of war on the treatment of the tuberculous in New Jersey sanatoriums. Mod. Hosp., 1946, **66**: No. 5, 79–82.—**Gath, P.** Examination of enlisted men for tuberculosis. Med. & Surg., S. Louis, 1918, **2**: 396–9.—**Hendricks, C. M.** Medical advisory boards. Dis. Chest, 1943, **9**: 261. ——— Report of the Council on Military Affairs and Public Health, American College of Chest Physicians. Ibid., 262–4.—**Jacobs, P. P.** La tuberculose pendant la guerre [Etats-Unis] Arch. méd. pharm. mil., 1923, **79**: 333. ——— Tuberculosis as a war problem, a summary of the experience of the United States of America for the period 1917 to 1923. Atti Congr. internaz. med. farm. mil., 1923, **2**: 161–202. Also Mil. Surgeon, 1924, **55**: 498–514.—**Jorris, E. H.** War and the tuberculosis problem. Wisconsin Bd Health Q. Bull., 1942, **7**: 15–7.—**Kahlstrom, S. C.** Interesting findings, including active pulmonary tuberculosis, in the fluoroscopic examination of over 1,000 domiciled beneficiaries. Med. Bull. Veterans Admin., 1943–44, **20**: 346.—**Kinard, K. W.** Tuberculosis and war. Pennsylvania Health, 1942, **3**: No. 4, 38–42.—**Long, E. R.** The problem of tuberculosis in military service. J. Am. M. Ass., 1941, **117**: 264–6. ——— Tuberculosis as a military problem. Proc. Inst. M. Chicago, 1944–45, **15**: 241–55. ——— & **Lew, E. A.** Tuberculosis in the Armed Forces. Am. J. Pub. Health, 1945, **35**: 469–79.—**Lord, F. T.** Tuberculosis and mobilization. N. England J. M., 1941, **224**: 971–3.—**Lyman, D. R.** The limitations and possibilities in the Federal care of tuberculous ex-service patients. Tr. Nat. Tuberc. Ass., 1921, **17**: 83–92.—**MacDonald, W. H.** Follow-up of tuberculosis in military inductees and veterans in New Jersey. Pub. Health News, Trenton, 1944, **27**: 306–13.—**Masten, A. R.** Colorado selectees rejected because of tuberculosis. Colorado Bd Health Bull., 1946, **10**: No. 3, 3–6.—**Mayer, E., & Rappaport, I.** The problem of tuberculosis in the present mobilization for war. Med. Rec., N. Y., 1942, **155**: 341–3.—**National** (A) war program for the control of tuberculosis. J. Outdoor Life, 1917, **14**: 368–72.—**Phelps, P. S.** Tuberculosis as an aftermath of the war. Connecticut M. J., 1945, **9**: 839–43. ——— & **Green, H. M.** X-ray examination of 8,210 selectees at the induction center, Hartford. Ibid., 1941, **5**: 882–6.—**Pollock, W. C.** Tuberculosis problem of World War No. 1 and the present mobilization tuberculosis problem. Tr. Nat. Tuberc. Ass., N. Y., 1941, **37**: 379–94.—**Proposed** (A) plan for a United States military tuberculosis commission. Dis. Chest, 1943, **9**: 259.—**Rho, F.** Tuberculosis in the military service. Mil. Surgeon, 1925, **57**: 1–17.—**Smith, F. C.** Provision for hospital and dispensary care of tuberculous ex-service patients by the Public Health Service. Tr. Nat. Tuberc. Ass., 1921, **17**: 62–71.—**Toland, J. J.,** jr, & **Kornblueh, I. H.** Conversion of former Army and Navy camps to preventoria and rehabilitation resorts for tuberculous patients. Pennsylvania M. J., 1944–45, **48**: 21–3.—**Tuberculosis** and the war; here and abroad. J. Arkansas M. Soc., 1942–43, **39**: 180. Also Pennsylvania M. J., 1942–43, **46**: 373. Also J. Kansas M. Soc., 1943, **44**: 12–4. Also N. England J. M., 1943, **228**: 143.—**War,** ally of tuberculosis. Health News, Albany, 1942, **19**: 24.—**War** conditions and tuberculosis. J. Am. M. Ass., 1942, **118**: 61.—**Wartime** trends in tuberculosis. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 5, 1–3.—**War** and tuberculosis. Ibid., 1941, **22**: No. 8, 2–4.

—— United States: Army.

United States. Army General Hospital (Fort Bayard) Report of completed cases of tuberculosis; 1911; 1912; 1916. 3 pts. 8° Wash., 1912–17.

United States. Department of the Army. Technical bulletin TB MED 222: Physical and educational program for tuberculous patients in Army hospitals. 5p. 26cm. Wash., 1946.

Waring, J. J. Study of minimal tuberculosis in the Army, 1 November 1944–31 October 1945. 7p. 28cm. Wash., 1945.

Forms No. 2, Tuberc. Rep. Div. M. Sc. U. S. Nat. Res. Counc.

Army tuberculosis hospitals. Bull. U. S. Army M. Dep., 1946, **6**: 361.—**Ashbury, H. E.** Roentgenological report of chest examinations made of registrants at U. S. Army Induction Station No. 6, Third Corps area, Baltimore, Maryland, period ending April 30, 1941. Am. J. Roentg., 1941, **46**: 241–4. ——— **Whildin, J. G., & Rogers, F. T.** [The same] ... May 1, 1941 to March 31, 1942. Ibid., 1942, **48**: 347–51.—**Brewer, I. W.** Tuberculosis in the United States Army; a study of the admission rates for seventeen years. N. York M. J., 1913, **98**: 127.—**Brown, P. K.** Tuberculosis in the Army. Boston M. & S. J., 1917, **177**: 134. ——— The Army and tuberculosis. Med. & Surg., S. Louis, 1918, **2**: 389–95.—**Bushnell, G. E.** Tuberculosis in the Army. South. M. J., 1917, **10**: 933–8. Also Boston M. & S. J., 1918, **179**: 46–8. Also Tr. Coll. Physicians Philadelphia, 1918, 132–43. ——— The Army in relation to the tuberculosis problem. J. M. Ass. Georgia, 1918, **8**: 1–9. ——— Tuberculosis. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 171–202.—**Care** (The) of tuberculous patients pending discharge from the Army. Bull. U. S. Army M. Dep., 1944, No. 74, 44–6.—**Carson, G. D.** Factors encountered in the discovery of pulmonary tuberculosis in soldiers at Fort Sam Houston. Dallas M. J., 1942, **28**: 60–5.—**Castlen, C. R.** A brief sketch of the plan at Fort Bayard, New Mexico. Proc. M. Ass. Canal Zone, 1917, **10**: pt 1, 145–9.—**Cattermole, G. H.** Tuberculosis in the Army. Colorado M., 1920, **17**: 66–70.—**Cooper, A. T.** Tuberculosis in officers of the regular Army. Ann. Int. M., 1933, **6**: 1200–6.—**Daitz, B. D., & Singer, M.** Extramedical services in an Army tuberculosis hospital; patient and staff personnel orientation in an Army tuberculosis hospital. Am. Rev. Tuberc., 1947, **55**: 459–70.—**De Lorimier, A. A.** X-raying of army men important. Bull. Nat. Tuberc. Ass., 1941, **27**: 153; 160. ——— X-ray examinations of the chest for the United States Army. Med. Clin. N. America, 1941, **25**: 1773–98. ——— Army x-ray examinations of the chest. Army M. Bull., 1942, No. 61, 68–74. ——— Mass roentgenography of the chest for the United States Army. Radiology, 1942, **38**: 462–72.—**Edwards, H. R., & Ehrlich, D. E.** Examinations for tuberculosis; roentgenographic findings of 41,809 inductees and 9,541 National Guardsmen in New York City. Dis. Chest, 1941, **7**: 348–52. Also J. Am. M. Ass., 1941, **117**: 40–5. ——— & **Schiller, I. A.** Army x-ray examination for tuberculosis; Army physical examination teams in Southern New York District, Second Corps Area. Am. Rev. Tuberc., 1943, **47**: 113–20.—**General** (The) hospital. tuberculosis; General Hospital No. 21, Denver, Colorado. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5**: 363–74.—**Gilbert, O. M.** Work of the Army Tuberculosis Boards. Med. Insur., 1918–19, **28**: 277–80. Also Colorado M., 1919, **16**: 83–8. Also West. M. Rev., 1919, **24**: 355–60.—**Gray, H.** Army tuberculosis examinations. Boston M. & S. J., 1918, **178**: 799–803.—**Hillman, C. C.** The tuberculosis problem in the Army. Dis. Chest, 1943, **9**: 265–8.—**Incidence** (The) of tuberculosis among soldiers. J. Am. M. Ass., 1917, **69**: 1266.—**Kahn, I. S.** Tuberculosis examination methods in the Army. South. M. J., 1918, **11**: 727–32.—**Lichty, M. J.** Tuberculosis examination of soldiers at Camp Zachary Taylor, Louisville, Ky. Ohio M. J., 1918, **14**: 213–6.—**Long, E. R.** El control de la tuberculosis en el Ejército de los Estados Unidos durante la II guerra mundial. Bol. Of. san. panamer., 1946, **25**: 5–20. ——— Tuberculosis control in the Army. Dis. Chest, 1948, **14**: 190–2. ——— & **Stearns, W. H.** Physical examination at induction; standards with respect to tuberculosis and their application as illustrated by a review of 53,400 x-ray films of men in the Army of the United States. Radiology, 1943, **41**: 144–50.—**Magee, J. C.** Army vs tuberculosis. Bull. Nat. Tuberc. Ass., 1942, **28**: 5.—**Marietta, S. U.** Tuberculosis in World War II; the Army viewpoint. Dis. Chest, 1945, **11**: 267.—**Matson, R. C.** The elimination of tuberculosis from the Army. Am. Rev. Tuberc., 1920–21, **4**: 398–416.—**New** tuberculosis center at Santa Fe. Bull. U. S. Army M. Dep., 1944, No. 81, 31.—**Only** six per cent. West Virginia M. J., 1939, **35**: 289.—**Otis, E. O.** The examination of soldiers for tuberculosis in the U. S. army. Boston M. & S. J., 1918, **178**: 33–7.—**Paget, O.** Military organization and the treatment of the tuberculous soldier. Med. Rec., N. Y., 1919, **95**: 148.—**Pollock, W. C.** Army tuberculosis admissions during 1941. Mil. Surgeon, 1942, **91**: 147–50. ——— & **Forsee, J. H.** Tuberculosis among doctors and nurses at Fitzsimons general hospital. Ibid., 1934, **75**: 17–21.—**Proposed** (A) plan for a United States military tuberculosis commission. Cincinnati J. M., 1943–44, **24**: 208–10.—**Reynolds, C. R.** War is uncovering hidden tuberculosis, Army-industry examinations show need of 25,000 beds. Hospitals, 1943, **17**: No. 10, 62–4.—**Sachs, M. D.** Incidence of tuberculosis in non-military personnel in U. S. Army; preliminary report. Clinics, 1945–46, **4**: 850.—**Studebaker, J. F.** Pulmonary tuberculosis at Camp Cody, New Mexico. J. Am. M. Ass., 1919, **72**: 983–5.—**Tuberculosis** in the Army. Bost. M. & S. J., 1917, **177**: 19.—**Tuberculosis** in the Army. Bull. U. S. Army M. Dep., 1945, No. 85, 11.—**Twichell, D. C.** Observations of an Army tuberculosis examiner. Southwest. M., 1918–19, **2**: 6–12.—**United States** Army tuberculosis hospital in New Mexico. Mod. Hosp., 1914, **3**: 102–4.—**Zacks, D.** The soldier receives an X-ray of the chest. Commonhealth, Bost., 1942, **29**: 19–23.

—— United States: Navy.

Bogen, E., & Strickland, G. H. Tuberculosis in a tropical Naval hospital. Am. Rev. Tuberc., 1945, **52**: 490–4.—**Brewer, I. W.** Tuberculosis in the United States Navy. Med. Rec., N. Y., 1913, **84**: 249.—**Britten, S. A., & Heisser, C. J.** Medical surveys for pulmonary tuberculosis. U. S. Nav. M. Bull., 1948, **48**: 632–41.—**Britten, S. A., Jorris, E. H.** [et al.] Medical surveys for pulmonary tuberculosis. Ibid., 1946, **46**: 936–43.—**Carter, T. J.** Control of tuberculosis in the Navy. Bumed News Lett., Wash., 1945, **5**: No. 1, 21–3.—**Duncan, R. E.** Pulmonary tuberculosis; its exclusion from the Navy. Am. Rev. Tuberc., 1941, **44**: 651–7. Also Tr. Nat. Tuberc. Ass., N. Y., 1941, **37**: 372–8. ——— Tuberculosis in World War II; from the Navy standpoint. Dis. Chest, 1945, **11**: 269–71.—**Factors** influencing the incidence of tuberculosis. Statist. Navy M., 1946, **2**: No. 9, 5–7.—**Gray, J. A. C.** Pulmonary tuberculosis; experiences in a naval hospital. U. S. Nav. M. Bull., 1948, **48**: 921–5.—**Greedy, P. V.** Microphotographic examinations of the chest at the U. S. Naval Training Station, San Diego. California West. M., 1943, **59**: 37.—**Jorris, E. H.** Tuberculosis control in the Navy. Hosp. Corps Q., 1945. **18**: No. 4, 22.—**Kurtzhalz, C.** Civilian employees x-rayed; thousands of workers at Philadelphia Navy Yard examined for tuberculosis; follow-up and treatment arranged. Bull. Nat. Tuberc. Ass., 1943, **29**: 21.—**Leach, P.** The United States Naval Hospital, Las Animas, Colo., the Navy's sanatorium for tuberculosis. U. S. Nav. M. Bull., 1913, **7**: 53–63.—**Postwar** rise in tuberculosis. Statist. Navy M., 1947, **3**: No. 6, 25.—**Ricen, E.** The problem of pulmonary tuberculosis in the Navy. Dis. Chest, 1942, **8**: 182–6.—**Smiley, D. F., & Raskin, H. A.** Tuberculosis as a Navy problem. Ibid., 1944, **10**: 210–33.—**Stauffer, H. M.** Pulmonary tuberculosis; fluoroscopic survey among civilian employees at an advance base; preliminary report. U. S. Nav. M. Bull., 1945, **44**: 603–6.—**Stuart, M. A.** Tuberculosis. Ibid., 1929, **27**: 467; passim.—**Thompson, E.** Tuberculosis. Ibid., 1915, **9**: 253–8, 4pl.—**Tuberculosis** since 1912. Statist. Navy M., 1946, **2**: No. 8, 7–9.—**United States** Navy Tuberculosis Sanatorium, Fort Lyon, Colo. Mod. Hosp., 1916, **7**: 29–31.—**Warfield, C. H.** Types of pulmonary tuberculosis which demand disqualification for active duty in the Navy. Radiology, 1943, **41**: 282.

—— Uruguay.

Muñoz Moratorio, L., Bellagamba, D., & Fuentes, J. de. Catastro tuberculínico roentgenfotográfico y bacteriología de la guarnición de Montevideo; resultados obtenidos en su iniciación. Relat. Congr. panamer. tuberc., 1940, 5. Congr., **2**: 273–82.

—— in the armies.

Sforza, C. La tuberculose dans les armées. p. 144–76. 24cm. Budap., 1909.

Also C. rend. Congr. internat. méd. (1909) 1910, 16. Congr., Sect. 20, San. mil.

Baduel, C. La Croce Rossa Italiana nell'assistenza ai militari tubercolosi. Policlinico, 1919, **26**: Sez. prat., 1395.—**Baldovino, C.** Gli episodî tubercolari nel militare. Ann. med. nav., Roma, 1926, **32**: pt 1, 316–22.—**Corper, H. J.** Tuberculosis and its control; tuberculosis in armies. Mil. Surgeon, 1930, **66**: 512–22.—**Dussert, A.** Prophylaxie antituberculeuse aux armées pendant la guerre. Zbl. ges. Hyg., 1942–43, **50**: 627 (Abstr.)—**Erhardt, R.** [Pulmonary tuberculosis in armies] Tskr. mil. hälsov., 1927, **52**: 77–129.—**Gironés Navarro, L.** Contribución al estudio de la tuberculosis pulmonar en el Ejército. An. med., Barcel., 1945, **32**: 179–88.—**Guradze, H.** Die Tuberkulose in Heere einzelner Länder. Halbmschr. soziale Hyg., 1917, **25**: 73.—**Kakkoku-gun** ni okeru kekkaku tyōsa hyō [Table of investigation of tuberculosis in armies of various countries] Gun idan zassi, 1928, 217.—**Morin, J.** Appréciation sanitaire des cas de tuberculose dans l'armée. Bull. Eidg. Gesundhamt., 1944, Gegen Tuberk., 30–9.—**Schedtler, O.** Prophylaxie und Therapie der Lungentuberkulose im Feldheer. Med. Klin., Berl., 1940, **36**: 507.—**Scholz, W.** Tuberkulose und Heeresdienst. Zschr. Tuberk., 1916, **26**: 98–110.—**Shall** we spread or eliminate tuberculosis in the Army? Dis. Chest, 1940, **6**: 197.—**Toussaint.** Prophylaxie de la tuberculose à l'armée. Bull. internat. Serv. santé, Liége, 1939, **12**: 747–56.

—— in the navies.

Ayres, P. B., Arioli, P. E. [et al.] Opportunity for the infection of naval personnel with tuberculosis. 8p. 25½cm. n. p., 1945.

Forms No. M–07, Med. Targets.

Brennan, J. C. Tuberculosis in the Merchant Navy. Brit. M. J., 1942, **1**: 802.—**Clerc, M.** La tuberculose dans la Marine marchande; mésures administratives à prendre en application des voeux émis par le Comité consultatif d'hygiène de la

Marine marchande. Rev. hyg., Par., 1927, 49: 663–71. ——— Tuberculosis in the Mercantile Marine. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 111–20. ——— La lutte contre la tuberculose dans la Marine marchande. Rapp. Congr. nat. tuberc., 1935, 8. Congr., 283–9.—**Korostelev, V.** Tuberkulez v voenno-morskom flote. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 565.—**Lefort, A.** La morbidité par tuberculose à bord d'un aviso en campagne. Rev. méd. nav., Par., 1947, 2: 169–75.—**Olmer, D.** Sur la tuberculose dans la Marine marchande. Rapp. Congr. nat. tuberc., 1935, 8. Congr., 489.—**Podestà.** Gesundheitsverhältnisse der französischen Marine im Vergleich zur deutschen unter besonderer Berücksichtigung der Tuberkulose. Deut. mil. ärztl. Zschr., 1913, 42: 481–504.—**Sannemann.** Zur Frage der Tuberkulose unter den Seeleuten. Arch. Schiffs Tropenhyg., 1914, 18: Beih., 348–58.—**Tuberculosis** in the Merchant Navy. J. Am. M. Ass., 1942, 119: 664.—**Willoughby, W. M.** Tuberculosis; a note on the health of crews and ship hygiene. Med. Off., Lond., 1927, 38: 69–72.—**Wood, J. E.** Tuberculosis in the Merchant Navy. Brit. M. J., 1942, 1: 716–8.

TUBERCULOUS.

See also **Tuberculosis.**

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–129: VA Pamphlet 10–18, You can lick TB, a handbook for tuberculous patients; a guide for its distribution and use in patient orientation. 8p. 27cm. Wash., 1948.

Baldwin, W. H. Present status of soldiers and draft rejects with tuberculosis. Tr. Nat. Tuberc. Ass., N. Y., 1919, 15: 366–85.—**Bernstein, A.** A note on tuberculous soldiers. N. Zealand M. J., 1917, 15: 46.—**Hamant, H.** A propos des militaires tuberculeux. Rev. gén. clin. thér., 1916, 30: 311.—**Jarniou, A. P.** Réflexions sur la tuberculose pulmonaire des prisonniers de guerre rapatriés. Bull. Soc. méd. mil. fr., 1947, 41: 117–22.—**Klebs, A. C.** Tuberculosis and military organization. U. S. Nav. M. Bull., 1917, 11: 439–59.—**Lanzenberg, A.** Des tuberculeux et de leur situation militaire. Paris méd., 1916–17, 21: 268–70.—**Leuret, E.** A propos des militaires tuberculeux. J. méd. Bordeaux, 1917, 47: 161–3.—**McCrae, T.** Tuberculosis and the soldier. Am. Rev. Tuberc., 1918–19, 2: 372–9.—**Mukerji, H. C.** Tuberculosis in service men. Brit. M. J., 1946, 1: 987.—**Osler, W.** The tuberculous soldier. Lancet, Lond., 1916, 2: 220.—**Otis, E. O.** The soldier and tuberculosis. Med. Rec., N. Y., 1918, 94: 47–9.—**Pattison, H. A.** Following up tuberculosis soldiers. West. M. Rev., 1918, 23: 221–7.—**Soldats** (Les) et la tuberculose. Gaz. méd. Paris, 1915, 86: 29.—**Varrier-Jones, P. C.** A plea for the consumptive soldier. Reveille, Lond., 1918, 1: 240–50. ——— Songeons au soldat tuberculeux. Rev. interall. mutil. guerre, 1919, 2: 43.—**Vergez.** La tuberculose des prisonniers. Rev. tuberc., Par., 1944–45, 9: 302–4.—**Waring.** Tuberculosis of men in Service. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 46–9.—**Wheaton, C. L.** The soldier and tuberculosis. Illinois M. J., 1920, 37: 310–3.—**Woodhead, G. S.,** & **Varrier-Jones, P. C.** The tuberculous soldier. J. Outdoor Life, 1917, 14: 289–93.

—— Care and rehabilitation.

Banks, C. E. Reconstruction and rehabilitation of the tuberculous soldier. J. Am. M. Ass., 1918, 71: 681.—**Bouloumié, P.** Colonie sanitaire pour jeunes soldats en imminence de tuberculose. Rev. hyg., Par., 1913, 35: 726–45.—**Bruns, E. H.** Reconstruction and rehabilitation of the tuberculous soldier. J. Am. M. Ass., 1918, 71: 767.—**Byers, J. R.** Occupation and industrial training of tuberculous soldiers in sanatoria. Tr. Nat. Tuberc. Ass., N. Y., 1918, 14: 446–52.—**Disney, E. K.** Rehabilitation of patients with arrested pulmonary tuberculosis. Med. Bull. Veterans Admin., 1943–44, 20: 39–41.—**Douglas, S. A.** Remarks on the federal care of tuberculous ex-soldiers. Tr. Nat. Tuberc. Ass., N. Y., 1922, 18: 122–9.—**Emerson, K.** Physical rehabilitation of registrants disqualified for duty with the Armed Forces; tuberculosis. Tr. Conf. State Terr. Health Off., 1940, Spec., 113–6.—**Gómez López, A.** El porvenir profesional y social del tuberculoso recuperado. Med. & cir. guerra, 1947, 9: 577–86.—**Government** hospital facilities for discharged tuberculosis soldiers. Am. Rev. Tuberc., 1920–21, 4: 205–40.—**Harries, E. H. R.** The problem of the tuberculous soldier. Lancet, Lond., 1916, 2: 939.—**Herrick, J. C.** The injurious effects of tobacco on tuberculous patients. U. S. Veterans Bur. M. Bull., 1931, 7: 56–9.—**Hilleboe, H. E.** Medical aspects of the rehabilitation of persons with tuberculosis. War Med., Chic., 1945, 7: 1.—**Jaffin, A. E.** After care of draftees. Health Bull., Newark, 1943, 26: No. 2, 1.—**Kayserling, A.** Die Fürsorge für die vom militär entlassenen Lungenkranken im Rahmen der Kriegsbeschädigtenfürsorge. Deut. med. Presse, 1915, 19: 77.—**Kennedy, J. C.** Training colonies in the treatment of tuberculosis. J. R. Army M. Corps, 1925, 44: 118–21.—**Kidner, T. B.** Vocational training for tuberculous soldiers. J. Outdoor Life, 1919, 16: 33–6.—**Knopf, S. A.** Official provision for the tuberculous soldier and what he should know about his disease. N. York M. J., 1919, 109: 444–52.—**Laidlaw, S.** The effect of war-time conditions on the administration of the tuberculosis service. Edinburgh M. J., 1941, 48: 488–93.—**Liebe, G.** Militärische Kurarbeit. Zschr. Tuberk., 1916, 26: 31–4.—**Mendes, G.** Per gli ex tubercolitici di guerra Gazz. med. lombarda, 1921, 80: 87.—**Neupert, C. N,** Follow-up hy public health agencies of tuberculosis rejectees. Crusader, 1943, 35: No. 6, 3.—**Palmer, G. T.,** & **Hoagland, H. W.** The sanatorium care of tuberculous soldiers by the Federal Government. J. Am. M. Ass., 1921, 77: 506–8.—**Pillsbury, E. D.** Care of advanced pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1925, 1: No. 2, 36–41.—**Sarda, G.** Apropos des militaires tuberculeux et des améliorations que commande leur situation actuelle. Montpellier méd., 1916, 39: 261–8.—**Shaw, M.** The role of the medical social worker in the rehabilitation of the tuberculous patient. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 2, 18–23.—**Souto, V.** A readaptação dos tuberculosos ao trabalho. Arq. brasil. med. nav., 1941, 2: 653–5.—**Stewart, D. A.** Work for the tuberculous; what is suitable and what unsuitable for the discharged tuberculous man. Med. Q., Ottawa, 1919, 1: 197–203.—**Tichý.** Příspěvek ku péči o tuberkulosní vojíny. Cas. lék. česk., 1917, 56: 205.—**Varrier Jones, P. C.** A plea for the consumptive soldier. Rev. interall. mutil. guerre, 1919, 2: 37–42.

—— Combat zone.

Berlin-Chertov, S. V. [Clinical characteristics of the tuberculous contingent, from the data of an evacuation hospital] Klin. med., Moskva, 1944, 22: 52–6.—**Bogen, E.** Combat and consumption. California West. M., 1943, 59: 32–4.—**Brugnatelli, A.** La tuberculosi nei reduci dalla zona di operazione; osservazioni anatomiche. Policlinico, 1918, 25: Sez. prat., 821–3.—**Crossley, L.** The phthisical soldier at the front. Brit. M. J., 1915, 1: 576.—**Gebbie, N.** The phthisical soldier at the front. Ibid., 488.—**Jacob, L.** Ueber Lungenerkrankungen, inshesondere über Tuherkulose im Felde. Zschr. Tuherk., 1919, 31: 18–31.—**Macfie, J. D.** The phthisical soldier at the front. Brit. M. J., 1915, 1: 620.—**Mears, I.** The phthisical soldier at the front. Ihid., 785.—**Nobécourt, P.,** & **Peyre.** Des poussées évolutives de tuberculose chez les soldats du front. Bull. Soc. méd. hôp. Paris, 1916, 3. ser., 40: 1003–9.—**Oliver, T.** The phthisical soldier at the front. Brit. M. J., 1915, 1: 375.—**Smirnov, E. I.** [Field therapy] Prohl. tuherk., Moskva, 1941, No. 9, 3–9.—**Steinmeyer.** The different types of tuherculosis in soldiers at the front. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 130–2.

—— Compensation.

Aycard, G. A. Tuherculose et pensions. Rev. Serv. san. mil., Par., 1938, 108: 205–52.—**Bernou, A.** A propos de l'indemnisation des reformés de guerre pour tuberculose pulmonaire. Caducée, Par., 1919, 19: 149–50.—**Bond, A. T.** Principles of pensioning in cases of tubercle of the lung. Med., Q., Ottawa, 1919, 1: 49–51.—**Collins, H. B.** The invisible wound; a plea for tuberculous pensioners. Brit. J. Tuherc., 1918, 12: 162–4.—**Cunyngham-Brown.** Pension boards and committees. Tr. Nat. Ass. Prev. Tuherc., Lond., 1919, 7: 64–81.—**Ferrers.** Pension hoards and committees (discharged soldiers and sailors) Ibid., 111–4.—**Golz.** Zur Begutachtung der Erwerbsfähigkeit hei der chronischen Lungentuherkulose im Invalidenrentenverfahren. Zschr. phys. diät. Ther., 1918, 22: 303–11.—**Guilbring, A.** [On the principles of awarding compensation for pulmonary tuherculosis contracted in military service] Hygiea, Stockh., 1927, 89: 436–47.—**Martineck.** Versorgung tuherkulöser Kriegsheschädigter. Zschr. Tuherk., 1921, 34: 704–10.—**Poix, G.** La tuherculose et les pensions militaires. Presse méd., 1940, 48: 329–31.—**Scheidemandel, F.** Rentenherabsetzung hei tuherkulösen Kriegsbeschädigten; zur Aufklärung an die Versorgungsgerichte und an die Nationalsozialistische Kriegsopferversorgung. Deut. Tuherk. Bl., 1936, 10: 116.—**Séchan, P.** L'indemnisation de la tuherculose osseuse ou articulaire chez les mutilés. Rev. gén. clin. 1934, 48: Suppl., 173. ——— L'indemnité de soins accordée eux anciens militaires pensionnés à 100% pour tuherculose. Ibid., 229–33.—**Shakespear.** The completion of tuherculosis schemes in relation to pension hoards and committees (discharged sailors and soldiers) Tr. Nat. Ass. Prev. Tuherc., Lond., 1919, 7: 84–96.—**T., F.** La tuherculose et les pensions militaires. Arch. méd. belges, 1942, 95: 584–9.

—— Detection.

Alexandre. Dépistage et traitement tuherculeux à l'Armée. Ann. helg. méd. mil., 1948, 101: 79–82.—**Barth, E. E.,** & **Squire, F. H.** Incidence of pulmonary tuberculosis as detected roentgenologically in a selected group of inductees. Illinois M. J., 1942, 82: 358–61.—**Braeuning, H.** Auffinden der Tuherkulösen bei der Musterung. Oeff. Gesundhdienst., 1936–37, 2: A, 187.—**Detection** of tuberculosis in recruits. J. Am. M. Ass., 1940, 115: 546.—**Discovery** of tuherculosis at separation centers. Bull. U. S. Army M. Dep., 1946, 5: 489.—**Filek, A.** Review of films on men rejected because of chest condition. Wisconsin Bd Health Q. Bull., 1942–44, 7: No. 11, 19–21.—**Fink, D. L.** The detection of pulmonary tuberculosis on induction into military service. J. Lancet, 1945, 65: 5–7.—**Gautot.** Le dépistage des tuberculeux à la caserne; rôle des médecins des corps. Arch. méd. belges, 1923, 76: 943–53.—**Goerke, L. S.** Examining selectees. Bull. Los Angeles Co. M. Ass., 1942, 72: 389.—**Kayne, G. G.** Detection of tuherculosis among recruits. Lancet, Lond., 1940, 2: 518.—**Krzymuski, W.** [Elimination of early form of pulmonary tuberculosis in recruiting] Lek. wojsk., 1931, 17: 220–34.—**Menárguez Carretero, L.** Diag-

nóstico de actividad de la tuberculosis pulmonar, aplicada a la selección del contingente. Rev. españ. med. cir. guerra, 1945, 7: 16–34.—**Myers, J. A.** Failure to detect all tuberculosis on induction to military service. J. Lancet, 1944, 64: 111–3.—**Tomasch, J. M.** Tuberculosis among Army selectees. Bull. Acad. M. Cleveland, 1941, 26: No. 3, 10.—**Williams, C. J.** The tuberculous registrant; public health nursing supervision in relation to an old problem in a new setting. Am. J. Nurs., 1942, 42: 988–92.

—— Disposition.

Canada. Department of Soldiers' Civil Re-establishment. Confidential report No. 6: The care and employment of the tuberculous ex-service man after discharge from the sanatorium. 77p. 8° Ottawa, 1921.

Denman, T. The discharged consumptive soldier; his treatment in relation to the treatment of consumption as a whole. 40p. 16½cm. Lond., 1918.

Bunta, E. The tuberculosis rejectee. Am. Rev. Tuberc., 1944, 50: 147–9.—**Dumarest, F.** Les tuberculeux dans l'Armée; incorporation et indemnisation. Presse méd., 1939, 47: 1602.—**Farmer, J. E.** Follow-up of rejected selectees. Bull. Nat. Tuberc. Ass., 1942, 28: 101.—**Ferrabouc.** Note sur le dépistage de la tuberculose et la réintégration des tuberculeux dans l'Armée. Méd. usine, Par., 1949, 11: 225.—**Fine, M. J.** The standard for exemption of tuberculous recruits from the National Army. Med. Rec., N. Y., 1917, 92: 988.—**Grenet, H.** Remarques sur le diagnostic de la tuberculose pulmonaire: le triage des militaires tuberculeux. Monde méd., 1918, 27: 321–8.—**Hawes, J. B.** Discharged tuberculous soldiers. Boston M. & S. J., 1919, 181: 352.—**Hudson, W. A., & Brachman, D. S.** A study of rejectees for thoracic abnormalities. Dis. Chest, 1944, 10: 234–40.—**Jaffin, A. E.** The evaluation, management, and aftercare of selectees deferred by the induction stations on account of chest findings. J. M. Soc. N. Jersey, 1943, 40: 186.—**Kidder, O. T.** Study of selectees rejected from Armed Forces for pulmonary tuberculosis. Hoosier Health Herald, 1946–47, 28: 73–5.—**Koontz, A. R.** Cases rejected for Army service on the basis of chest films alone. Mil. Surgeon, 1942, 91: 440–2.—**Le Bourdellès, A. C. B.** Le sort des tuberculeux dans l'Armée. Rev. Serv. san. mil., Par., 1936, 105: 337–56.—**Lemoine, G. H.** Cause de variations des chiffres de radiations pour tuberculose pulmonaire dans l'armée; assistance à donner par les sociétés de la Croix Rouge aux hommes éliminés temporairement pour imminence de tuberculose. Echo méd. nord, 1914, 18: 121–8.—**Long, E. R., Behrens, C. F.** [et al.] Military mobilization and tuberculosis control. J. Am. M. Ass., 1944, 124: 990.—**MacDonald, W. H.** Follow-up examination of persons deferred from military service because of signs of tuberculosis. Pub. Health News, Trenton, 1942–43, 26: 354–6.—**McLaughlin, C.** Tuberculous rejectees in Florida. Florida Health Notes, 1944, 36: 244.—**Man** (The) the Army doesn't want. Crusader, 1942, 34: No. 5, 8.—**Masten, A. R.** Follow-up of Colorado selectees rejected because of tuberculosis. Colorado Bd Health Bull., 1944, 8: 6–8.—**Perkins, J.** What shall be done with tuberculous soldiers discovered in the draft, in the cantonments, or overseas. Am. Rev. Tuberc., 1918–19, 2: 449–55.—**Phelps, P. S.** From public health viewpoint; Director, State Dept. of Tuberculosis Control, discusses methods of examination and follow-up of tuberculosis rejectees in Connecticut. Bull. Nat. Tuberc., 1942, 28: 181.—**Prest, E. E.** Discharged tuberculous soldiers. Brit. M. J., 1918, 2: 617.—**Schill, E.** Erfahrungen bei der Beurlaubung von leichteren Lungenkranken. Wien. klin. Wschr., 1917, 30: 1441.—**Selectees** rejected because of tuberculosis. Minnesota M., 1942, 25: 653.—**Smith, H.** Tuberculosis rejections in Texas. Bull. Nat. Tuberc. Ass., 1943, 29: 111.—**Swisher, W. P.** Tuberculosis in discharged soldiers. Am. Rev. Tuberc., 1947, 55: 481–7.—**Talbot, B. L.** The conduct of a discharge ward in a facility for tuberculous patients. Med. Bull. Veterans Admin., 1937–38, 14: 57–9.—**Wise, W. D.** Cases rejected for Army service on the basis of chest films alone. Mil. Surgeon, 1944, 94: 103.—**Zacks, D.,** & **Hyde, R. W.** Pulmonary conditions in rejectees; analysis of 2,270 selectees rejected for pulmonary conditions in the induction centres of Massachusetts. Am. Rev. Tuberc., 1944, 49: 332–42.

—— Examination.

Copin, R. Quelques réflexions sur le rôle de l'expert phtisiologue. Rev. méd. nav., Par., 1946, 1: 363–9.—**Galinowski, Z.** [Sur l'élimination des malades atteints de tuberculose pulmonaire au conseil de revision] Lek. wojsk., 1932, 20: 602–8.—**King, J. T.** Auscultation of the pulmonary apices in young men. Bull. Johns Hopkins Hosp., 1918, 29: 76.

—— Fitness to service.

See also **Tuberculosis** subheadings.

Bushnell, G. E. What constitutes a diagnosis of tuberculosis sufficient for rejection from the Army? J. Outdoor Life, 1917, 14: 361–3.—**Franz, K.** [Pulmonary tuberculosis and the fitness for military services] Voj. zdrav. listy, 1928, 4: 175–90.—**Gaussel, A.** L'utilisation militaire des hommes réformés pour tuberculose pulmonaire, avant la mobilisation. Marseille méd., 1918, 55: 603. Also Paris méd., 1919, 31: 182–4.—**Hudson, H.** Pulmonary tuberculosis and work capacity. Proc. U. S. Conf. Placem. Disabled Vet., Wash., 1945, 65–8.—**Long, E. R.,** & **Hamilton, E. L.** A review of induction and discharge examinations for tuberculosis in the Army. Am. J. Pub. Health, 1947, 37: 412–20.—**Mariotti Bianchi, G. B.** Esiti di lesioni tubercolari e idoncità al servizio militare. Gior. med. mil., 1934, 82: 270–3.—**Mayet, L.** Expertise médico-légale militaire des tuberculeux. J. méd. fr., 1918, 7: bis, 174–8.—**Oliveira, F. de.** O serviço militar e a tuberculose. An. Hosp. centr. exerc., Rio, 1939, 4: 141–5.—**Pegado Júnior, D.** O militar tuberculoso poderá ser recuperàdo pàra o serviço do exército? Rev. med. mil., Rio, 1941, 30: 501–19.—**Rauch, A.** Considérations sur le service militaire des anciens tuberculeux. Rev. tuberc., Par., 1939–40, 5. sér., 5: 1116–8.—**Reisdorff, A.** Gli invalidi tubercolosi. Gior. med. mil., 1920, 68: 724.—**Sewall, H.** What constitutes a diagnosis of tuberculosis sufficient for rejection for the Army? Colorado M., 1917, 14: 286–91.—**Sforza, N.** La tubercolosi come causa d'invalidità. Tubercolosi, 1919, 11: 59–85.—**Significance** (The) of tubercular signs in military life. Boston M. & S. J., 1917, 177: 846.—**Spillman, R.** Tuberculosis and military service. J. Kansas M. Soc., 1941, 42: 24.—**Thieme, L.** Kriegsdienstauglichkeit ehemaliger Lungenheilstättenpfleglinge. Münch. med. Wschr., 1915, 62: 366.—**Tuberculosis** and military service. Diplomate, 1941, 13: 215. Also Tuberc. Abstr., Newark, 1941, 14: 1.

—— Hospitals and hospitalization.

See also **Tuberculosis geography.**

Bálint, R. Die Behandlung lungenkranker Soldaten in klimatischen Kurorten und Heilanstalten. Wien. med. Wschr., 1918, 68: 253–8.—**Beach, G. W.** What may reasonably be expected from institutional treatment of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1927, 3: 5–10.—**Bernard, E.** Le placement des tuberculeux en stations de cure et le retour des prisonniers et déportés. Presse méd., 1945, 53: 181.—**Brooks, W. D. W.** Tuberculosis in wartime. Brit. M. J., 1943, 1: 423.—**Bruns, E. H.** Sanatorium treatment as provided by the United States Government for tuberculous veterans of the World War. Tubercle, Lond., 1925–26, 7: 335–43. ——— The unit of system in large government tuberculosis hospitals. U. S. Veterans Bur. M. Bull., 1926, 2: 7–9.—**Burr, L.** Treatment of pulmonary tuberculosis of the adult type in marine hospitals. Hosp. News, Wash., 1936, 3: No. 19, 15–25.—**Carman, W. L.** Are we overhospitalizing our pulmonary tuberculosis patients? Med. Bull. Veterans Admin., 1932, 9. 176–9.—**Cohen, A. C.** A tuberculosis program for a general hospital. Ibid., 1943–44, 20: 316–9.—**Costa y Tomas, A.** Sanatorios militares para tuberculosos y pretuberculosos; bases para la constitución de los mismos. Atti Congr. internaz. med. farm. mil., 1923, 452–4.—**Ellis, H. A.** Tuberculosis and the war. Lancet, Lond., 1917, 1: 854.—**Fraenkel, E.** Ergebnisse der Arbeit einer militärischen Lungenheilstätte unter Kriegsverhältnissen. Beitr. Klin. Tuberk., 1919, 43: 221–33.—**Galup, J.** Les renvois au Corps, au cours de la guerre, après hospitalisation dans un sanatorium militaire. Bull. méd., Par., 1918, 33: 122.—**Gómez López, A.** La cura de ejercicio en los sanatorios antituberculosos militares. Med. & cir. guerra, 1947, 9: 381–5.—**Hernandez, M. A.** El sanatorio antituberculoso, la más humanitaria obra que se realizará en la era de Trujillo. Rev. méd. mil., Trujillo, 1940, 2: No. 5, 25.—**Larrabee, H.** The hospital stay can be pleasant for the tuberculosis patient. Mil. Surgeon, 1947, 101: 56–62.—**Leland, F. B.** The evolution of the sanatorium and the war-time demands upon it. Michigan Out-of-Doors, 1918, 7: 30–8.—**Loewy, I. D.** The personal touch in the hospital treatment of tuberculous. U. S. Veterans Bur. M. Bull., 1926, 2: 832–4.—**McKone, B.** Post-sanatorium institutional care in the treatment of tuberculosis. Treatm. Serv. Bull., Ottawa, 1950, 5: 21–9.—**Park, W. E.** Hospital and home treatment in tuberculosis. U. S. Veterans Bur. M. Bull., 1925, 1: No. 2, 42–4.—**Rawls, P. S.** A schedule of classification and regimen for tuberculosis hospitals. Ibid., 1927, 3: 1–4.—**Scopes, W. H.,** & **Pattison, H. A.** Sanatorium construction in war time. J. Outdoor Life, 1918, 15: 321–6.—**Stevens, C. J.** The indications for, and the disadvantages of, home treatment in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1927, 3: 223–5.—**Subercaze, A.,** & **Galup, J.** Le travail de la terre dans un sanatorium militaire. Paris méd., 1918, 27: 74–8.—**Telatycki, M.** [Postulates of modern construction of sanatoriums for pulmonary tuberculosis] Lek. wojsk., 1938, 32: 327–42.—**Voute.** La cure en sanatorium des militaires de carrière. Bull. internat. Serv. santé, Liége, 1939, 12: 645–69.—**Weicker, H.** Ueber die Beschäftigung und Beaufsichtigung der lungenkranken Mannschaften in der Lungenheilstätte. Zschr. Tuberk., 1917, 27: 349–58.—**Willis, H. S.** The sanatorium, the superintendent and the war. Am. Rev. Tuberc., 1944, 49: 227–30.—**Willis, J. M.,** & **Hamner, J. F.** Where military tuberculosis patients receive treatment. Mod. Hosp., 1926, 27: 49–52.

—— Nursing.

Ewart, E. W. Nursing problems in tuberculosis. Treatm. Serv. Bull., Ottawa, 1949, 4: No. 8, 6.—**Lincoln, L.** War emphases in tuberculosis nursing. Tr. Nat. Tuberc. Ass., N. Y., 1944, 40: 199–204.—**Smith, H. K.** The nursing care of the tuberculous in the hospitals of the United States Veterans' Bureau. U. S. Veterans Bur. M. Bull., 1928, 4: 717–20.

—— Recruits.

See also **Tuberculous.**

Bach, E. Tuberculose et mobilisation. Militärsanität, Zür., 1942, **24**: 111; passim.—**Back, G. A.** Early phthisis in recruits. Brit. M. J., 1940, **2**: 132.—**Bravo Olalla, S., & Villar Echaide, J.** Aportación al estudio de la primo-infección tuberculosa en reclutas. Med. & cir. guerra, 1948, **10**: 211–6.—**Canny, H. S.** TB among Army recruits. Bull. Nat. Tuberc. Ass., 1942, **28**: 21.—**Chavigny.** Tuberculose et recruitement de l'armée. Bull. Soc. méd. mil. fr., 1922, **16**: 213; 1923, **17**: 2.—**Devy, R.** A propos de la tuberculisation des jeunes soldats à l'incorporation et au cours du service. J. prat., Par., 1947, **61**: 65.—**Diagnosis** (The) of tuberculosis in recruits. Boston M. & S. J., 1917, **177**: 160.—**D'Ovidio, R.** Importancia de la ficha individual de salud para el diagnóstico precoz de la tuberculosis en el conscripto. Rev. san. mil., B. Air., 1921, **20**: 51–9, ch.—**Esiutin, S. E.** [Roentgen examination of recruit-school pupils and recruits] Probl. tuberk., Moskva, 1938, No. 10, 169.—**Ferrabouc, L.** La tuberculose pulmonaire évolutive chez les candidats à l'engagement et au rengagement. Bull. Soc. méd. mil. fr., 1934, **28**: 142–50.—**Freer, A.** Occurrence of pulmonary tuberculosis in supposedly screened selectees. Dis. Chest, 1944, **10**: 197–209.—**Galbraith, D.** Pulmonary tuberculosis in recruits. Bull. Canad. Tuberc. Ass., 1941, **20**: 3.—**Gallac, H. I.** Consideraciones médico-legales sobre la tuberculosis pulmonar en el conscripto. Rev. san. mil., B. Air., 1942, **41**: 663–6.—**Graham, S. H., & Davies, M.** Tuberculosis in recruits. Brit. M. J., 1941, **1**: 920–4.—**Guy, J.** A note on the diagnosis of tuberculosis in recruits and pensioners. Lancet, Lond., 1920, **1**: 711.—**Heckscher, H.** [Spread of tuberculosis among recruits] Ugeskr. laeger, 1930, **92**: 283.—**Karpinos, B. D.** Prevalence of pulmonary tuberculosis among selectees. Human Biol., 1944, **16**: 181–9.—**Lee, G. W.** Tuberculosis found in selectees for military service. Month. Bull. Bd Health Indiana, 1943, **46**: 253.—**Leigh, A. D.** The detection of pulmonary tuberculosis in Army recruits. Tubercle, Lond., 1941, **22**: 121–6.—**Lewenstein, B. P., Luchinskaya, F. A., & Milovidova, L. V.** [Manifestations of pulmonary tuberculosis in recruits] Voen. san. delo, 1936, No. 8, 52–5.—**López, J. A.** El reconocimiento de conscriptos y la tuberculosis pulmonar. Sem. méd., B. Air., 1917, **24**: pt 1, 569–75.—**MacDonald, W. H.** Tuberculosis among military inductees in New Jersey. Pub. Health News, Trenton, 1946–47, **28**: 435–7.—**Mayer, E.** Prevention of tuberculosis among recruits. J. Am. M. Ass., 1940, **115**: 1295.—**Plunkett, R. E.** Tuberculosis among Selective Service men in New York State. War. Med., Chic., 1941, **1**: 611–23.—**Rieux, J., & Chaumet, G.** Enquête sur la tuberculose pulmonaire à l'occasion de l'incorporation de quatre cents jeunes soldats. Rev. tuberc., Par., 1925, 3. ser., **6**: 238.—**Rudzski & Sokolowski.** Sélection du contingent et tuberculose. C. rend. Congr. internat. méd. pharm. mil., 1925, 3. Congr., 31–49.—**Sokolowski, A.** Stanowisko lekarza wojskowego przy rozpoznawaniu gruźlicy płucnej u rekrutów. Lek. wojsk., 1920, **1**: 22; No. 2, 10.—**Trabaud.** Recruitement et tuberculose. Bull. Soc. méd. mil. fr., 1922, **16**: 285; 1923, **17**: 285.—**Uhl, G. M.** The health department. Bull. Los Angeles Co. M. Ass., 1942, **72**: 343.—**Ward, E.** Recruits suspected of tuberculosis. Brit. M. J., 1940, **1**: 1067.

—— Resettlement.

British provision for tuberculous ex-soldiers; village settlements urged by a recent deputation to the Minister of Health. Pub. Health Rep., Wash., 1920, **35**: 1043–5.—**McDougall, J. B.** The resettlement of the tuberculous ex-service man. Brit. J. Tuberc., 1937, **31**: 202–7.—**Scammell, E. S.** Suggested overseas community health settlements for British ex-service men. J. State M., Lond., 1919, **27**: 314.

—— Service units.

Liebe. Eigene Truppenteile für Tuberkulöse und Schwache. Münch. med. Wschr., 1916, **63**: 1548.—**Thomas, J. L.** Segregation of consumptive soldiers and others. Brit. M. J., 1916, **1**: 292.

—— Treatment.

See also **Phrenic nerve; Pneumoperitoneum; Pneumothorax.**

India. Army Medical Directorate. Treatment and disposal of patients suffering from pulmonary tuberculosis. 3p. 25cm. Delhi, 1945.

Forms No. 251, Admin. Instr. M. Dir. Army India.

Beatty, O. A. The treatment of pulmonary tuberculosis as a defense measure. Kentucky M. J., 1943, **41**: 107–13.—**Costa Freitas, G.** A cura da tuberculose. Rev. med. mil., Rio, 1935, **24**: 124–37.—**Crow, G. B.** Some prevailing ideas regarding the treatment of tuberculosis. U. S. Nav. M. Bull., 1914, **8**: 541–54.—**Edwards, B. B.** Discipline as a factor in the treatment of tuberculosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 921–3.—**Ornstein, G. G.** Modern concept and treatment of pulmonary tuberculosis. Protess. Staff Proc. Halloran Gen. Hosp., 1946, **1**: No. 8, 14–7.—**Parker, H. F.** Influences other than disease on the treatment of the tuberculous. U. S. Veterans Bur. M. Bull., 1929, **5**: 773–6.—**Shenderovsky, G. I.** Teéenie legoćnogo tuberkuleza. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 308–14.—**Vračević, M.** [Short review on treatment of tuberculosis] Voj. san. glasnik, 1931, **2**: 405–28.—**Wolff.** Wesen und Behandlung der Tuberkulose auf Grund der Kriegserfahrungen. Beitr. Klin. Tuberk., 1920, **45**: 253–68.

—— Treatment: Antibiotics.

See also **Streptomycin.**

Grassi, O. La estreptomicina en el tratamiento de la tuberculosis. p.473–523. 26½cm. B. Air., 1948.

Rev. pub. nav., B. Air., 1948, 1:

United States. Navy. Bureau of Medicine and Surgery. Research project, X–741A (Gen. 162) a study to determine the effect of streptomycin on human tuberculosis [outline] [6] l. 27cm. Wash., 1947.

United States. Veterans Administration. Technical bulletin TB 10–34: A preliminary statement concerning the effects of streptomycin upon tuberculosis in man. 13p. 27cm. Wash., 1947.

—— TB 10–37: The effect of streptomycin upon pulmonary tuberculosis in man; preliminary report of a cooperative study of 223 cases by the Army, Navy, and Veterans Administration. 18p. 27cm. Wash., 1947.

—— Protocols for the treatment of tuberculosis by SM, DHSM, and PAS. 4. rev. 24 l. 27cm. Wash., 1949.

Veterans Administration Conference on Streptomycin in Tuberculosis. Minutes, 4pts. v. p., 4.–7. Conf., 1947–49.

Aranda de Rojas, M. Resultados obtenidos con la estreptomicina en el tratamiento de la tuberculosis. Med. & cir. guerra, 1949, **11**: 487–501.—**Barroso, G., & Silva, A. C. da.** Aerosol-estreptomicina na tuberculose pulmonar. Arq. brasil. med. nav., 1948, **9**: 1361–4, 2pl.—**Bonetti Dupont, C. A.** Estreptomicina y tuberculosis. Rev. san. mil. argent., 1949, **48**: 5–49.—**Caldwell, E. D.** A case of pulmonary tuberculosis treated with streptomycin. J. R. Nav. M. Serv., 1947, **33**: 102–6.—**Canada, R. O.** Streptomycin therapy in progressive pulmonary tuberculosis; report of 37 cases with 1 year follow-up. U. S. Nav. M. Bull., 1949, **49**: 137–47.—**Duroux, Vergès** [et al.] Les premiers resultats de nos traitements par la streptomycine dans la tuberculose. Bull. Soc. méd. mil. fr., 1948, **42**: 100–7.—**Effect** (The) of streptomycin upon pulmonary tuberculosis; preliminary report of a cooperative study of 223 patients by the Army, Navy and Veterans Administration. Am. Rev. Tuberc., 1947, **56**: 485–507.—**Ferenczi, G.** Ingerek és antibioticumok, illetve chemotherapeuticumok együttes alkalmazása gümökórnál. Honvédorvos, 1950, **2**: 219.—**Fishburn, G. W., Fisher, M. W., & Wallace, J. B.** Streptomycin in the treatment of tuberculosis. Bull. U. S. Army M. Dep., 1947, **7**: 876–9.—**Furtos, N. C.** Streptomycin in pulmonary tuberculosis; treatment of recent posthemoptoic spreads. U. S. Armed Forces M. J., 1950, **1**: 137–45.—**Gómez López, A.** Modernas medicaciones contra la tuberculosis; estreptomicina y sulfonas. Med. & cir. guerra, 1949, **11**: 503–10.—**Hiltz, J. E., Kincade, G. F.** [et al.] Streptomycin. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 8, 19–21.—**Jacobs, S., Doerner, A. A., & Miller, A. D.** The use of streptomycin in the treatment of tuberculosis. Mil. Surgeon, 1948, **103**: 335–40.—**Pollock, B. E., & Leedham, C. L.** Local antibiotic therapy of tuberculous sinuses. Bull. U. S. Army M. Dep., 1949, **9**: 578–83.—**Samitier, J.** Antibióticos en tuberculosis. Med. & cir. guerra, 1949, **11**: 515–25.—**Streptomycin** therapy in pulmonary tuberculosis. Month. Health Rep. Mil. Distr. Washington, 1949, **3**: No. 8, 12.—**Streptomycin** in treatment of tuberculosis. Res. Program U. S. Army M. Res. Bd. 1947, Apr., 23; 1948, Jan., 92–123.—**Tempel, C. W.** The place of streptomycin in the treatment of pulmonary tuberculosis. Bull. U. S. Army M. Dep., 1949, **2**: 25–34. ——— & **Durrance, J. R.** The use of streptomycin in tuberculosis. Ibid., 312–5.—**Vivas, J. R., & Jacobs, E. C.** Combined streptomycin-tuberculin therapy in pulmonary tuberculosis. Ibid., 1–9.—**Warner, W. P., & Adamson, J. D.** Streptomycin in tuberculosis, Department of Veterans Affairs; interim report of results to date. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 6, 33–8.—**Werneck, L.** O uso da estreptomicina na tuberculose pelo Comité de quimioterapia e antibióticos do Colégio americano de tisiologistas (transl.) Rev. med. mil., Rio, 1949, **38**: 103–5.

—— Treatment: Chemotherapy.

Euler, O. Tüdőgümőkór kezelese manganochloriddal, streptomycinnel és paraaminosalicylsavval. Honvédorvos, 1950, **2**: 509–17, illust.—**Liubomudrov, P. V.** O lečenii tuberkuleza treparozanom. Voen. med. J., S. Peterb., 1913, **238**:

Med. spec. pt, 406–11.—**Mosso, F. E.** La chemoterapia della tubercolosi. Ann. med. nav., Roma, 1926, **1**: 205–21.

—— Treatment: Climatotherapy.

PUCHELLE, F. *Une expérience militaire de phtisiothérapie climatique à Médéa, 1918–19. 64p. 24cm. Alger, 1939.

SCHÖNHOLZER, R. *Der Einfluss des Höhenklimas auf 1000 kriegsgeschädigte und tuberkulosegefährdete Franzosenkinder. 62p. 23cm. Bern, 1947.

Anderson, C. A. The hazard of travel in advanced or terminal tuberculosis. Med. Bull. Veterans Admin., 1936, **13**: 261.—**Marynowski, Z.** [Blood examination of patients placed in artificial mountain air] Lek. wojsk., 1937, **29**: 385, passim.

—— Treatment: Diet.

Matz, P. B. The Gerson-Sauerbruch dietetic regimen in tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6**: 27–32.—**Minet, J., Warembourg, H., & Fontan, M.** La diététique des tuberculeux pulmonaires à la lumière des restrictions de guerre. Rev. diét., Par., 1946, **5**: 53–65.—**Mouriquand, G.** L'alimentation des tuberculeux devant les nouvelles conceptions alimentaires. Arch. méd. pharm. mil., 1927, **87**: 595–601.—**Ross, H. A.** Wartime diet and the tuberculous patient. Tubercle, Lond., 1943, **24**: 131–6.—**Walters, H. W., Hamlin, W. E., & Giventer, M.** The treatment of tuberculosis with a low carbohydrate diet. Med. Bull. Veterans Admin., 1943–44, **20**: 363; **21**: 8.—**War-time** diet and the tuberculous patient. Lancet, Lond., 1943, **1**: 711.

—— Treatment: Drugs.

Bernard, L. L'aurothérapie de la tuberculose pulmonaire (deuxième série de faits) Arch. méd. pharm. mil., 1927, **87**: 580–6.—**Dobrowolski, L. A.** [The treatment of pulmonary tuberculosis with insulin] Lek. wojsk., 1927, **9**: 666–70.—**Dumitru, Z.** [Chrysotherapy in pulmonary tuberculosis] Rev. san. mil., Bucur., 1932, **31**: 517–27.—**Gurney, T. R. V.** Treatment of tuberculosis. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 28.—**James, S. H.** Habit-forming drugs in the treatment of tuberculosis. Med. Bull. Veterans Admin., 1927–38, **14**: 360.—**Le Bourdellès, A. C. B., & Juillet, P. M.** L'aurothérapie dans la tuberculose. Rev. Serv. san. mil., Par., 1936, **105**: 307–36.—**L'Esperence, A.** Role of drugs in the treatment of pulmonary T.B. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 70.—**McClintock, L. A., & Goodale, R. H.** The use of the choleate principle in the treatment of tuberculosis. U. S. Nav. M. Bull., 1943, **41**: 708–13.—**Marotte, A. C. H.** La chrysothérapie dans les tuberculoses pulmonaire et chirurgicale. Arch. méd. pharm. mil., 1930, **112**: 1–21.—**Mola, G.** Cura della lesioni tubercolari aperte col preparato Jodhydrarsan del dott. O. Marroni. Ann. med. nav., Roma, 1933, **39**: pt 1, 189–91.—**Rytel, A., & Dziewanowski, M.** [Iodine treatment in tuberculosis] Lek. wojsk., 1931, **17**: 191–206.—**Sakai, S.** Calcium ryōhō no rinsyō-teki zikken [Klinische Erfahrungen mit Calciumsalzen] Gun idan zassi, 1914, 172–87.—**Samitier, J., & Ruiz, M.** Auroterapia intrapleural. Med. & cir. guerra, 1949, 11: 395–402.—**Schmidt, H.** Sudian und Sanguinal bei Lungentuberkulose. Deut. mil. ärztl. Zschr., 1918, **47**: 140.—**Voizard, F. F. E., & Baize.** Iode et tuberculose pulmonaire. Arch. méd. pharm. mil., 1928, **89**: 561–76.—**Wood, J. P.** Codeine in the treatment of advanced pulmonary tuberculosis. Med. Bull. Veterans Admin., 1934–35, **11**: 256.

—— Treatment: Methods.

Baba, S. Kessen-ka ni okeru kekkaku tiryō hōsin siken [Personal opinions on the trend of treatment for tuberculosis during stringent wartime conditions] Rinsyō & kenkyū, 1944, **21**: 258–60.—**Bray, H. A., & Fruhlinger, B.** Appraisal of strict bedrest in the treatment of tuberculosis. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 8, 14.—**Brown, D., & Buvens, A. E.** Occupational therapy for the tuberculous veteran. Occup. Ther. Rehabil., 1932, **11**: 301–11.—**Bugliari, G. R.** Influenza del trattamento con succhi embrionarii sulle lesioni tubercolari sperimentali. Gior. med. mil., 1931, **79**: 374; 1933, **81**: 153.—**Cappelli, G.** Lipasi e perossidasi colloidali nella cura della tubercolosi polmonare e chirurgica. Ibid., 1926, **74**: 278–86.—**Dohmen.** The conservative treatment of open pulmonary tuberculosis. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 349.—**Gómez López, A.** El tratamiento de las diversas formas de la tuberculosis pleural. Med. & cir. guerra, 1949, **11**: 15–25.—**Graduated** labour and auto-inoculation in the treatment of pulmonary tuberculosis. J. R. Nav. M. Serv., 1924, **10**: 180–7.—**Hardgrove, T. J.** Standardization of methods of diagnosis of tuberculosis in psychotic patients. Med. Bull. Veterans Admin., 1938–39, **15**: 131–4.—**Hibbard, R. J. B.** Newer trends in treatment of tuberculosis. Mil. Surgeon, 1949, **104**: 202–4.—**Lo Bianco, D.** I più recenti mezzi terapeutici della tubercolosi polmonare. Gior. med. mil., 1926, **74**: 385–94.—**Popowski, S.** [The principle of stimulation treatment in tuberculosis in children] Lek. wojsk., 1934, **24**: 181; 225.—**Ricen, E.** Treatment of pulmonary tuberculosis; an evaluation of present methods. U. S. Nav. M. Bull., 1949, **49**: 617–25.—**Zoeller.** Un toussoir pour tuberculeux. Bull. Soc. méd. mil. fr., 1923, **17**: 32.

—— Treatment: Physical therapy.

UNITED STATES. VETERANS ADMINISTRATION. Technical bulletin TB 10A–148: The role of physical medicine rehabilitation in the treatment of tuberculous patients. 6p. 27cm. Wash., 1948.

Briggs, C. A. Prescribed occupational therapy and vocational rehabilitation for the tuberculous. In: Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 580–5.—**Bruns, E. H.** Heliotherapy in the treatment of tuberculosis. Mil. Surgeon, 1930, **66**: 1–5.—**Chaumet, G. J.** Physiothérapie de la tuberculose. Arch. méd. pharm. mil., 1928, **88**: 515–55.—**Cooper, A. T.** Some army experiences in the treatment of tuberculosis by heliotherapy. Puerto Rico J. Pub. Health, 1938–39, **14**: 124–34.—**Davidson, S. W.** Occupational therapy in the rehabilitation of the tuberculous patient. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 2, 10–7.—**Gallagher, M. L.** Exercise in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1930, **6**: 872.—**Hirtz, E. J.** Technique et résultats de traitement de la tuberculose pulmonaire par les doses très faibles de rayons X. Arch. méd. pharm. mil., 1927, **87**: 602–13.—**Holeman, C. J.** Advance report concerning heliotherapy and ionic medication as employed at Las Animas, Colo. U. S. Nav. M. Bull., 1915, **9**: 115–20.—**Iwazuru, R., & Sasaki, Z.** Kekkakusyōi-gunzin no syokugyō oyobi sagyō ryōhō to syokugyō saihenzin to ni tuite [Occupational and work therapy for wounded soldiers with tuberculosis, and such patients as have returned to work] Nippon rinsyō kekkaku, 1942, **3**: 443–52.—**McCarty, G. S.** The air-bath treatment of uncomplicated pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1928, **4**: 832–4.—**McClellan, J. H.** Exercise in pulmonary tuberculosis. Ibid., 1931, **7**: 371.—**Martin, A.** Graduated exercise in tuberculosis. Med. Bull. Veterans Admin., 1941–42, **18**: 394–8. Also in Rehabil. War Injured (Doherty, W. B., & Runes, D. D.) N. Y., 1943, 491–7.—**Ulrici.** Gymnastik für Tuberkulöse. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 240–3.

—— Treatment: Psychosomatic aspect.

Ashmore, B. L., & Bell, F. G. Neuropsychiatric concomitants of pulmonary tuberculosis. Med. Bull. Veterans Admin., 1943–44, **20**: 190–5.—**Friedman, J. H., Kastlin, G. J., & Kooperstein, S. I.** The psychosomatic factors in pulmonary tuberculosis; a study of one hundred consecutive Army cases. Dis. Chest, 1946, **12**: 539–49.—**Mack, C. W.** Mental factors in the treatment of tuberculosis. U. S. Veterans Bur. M. Bull., 1931, **7**: 217–23.—**Plass, J. B.** Psychology and psychopathology; their place in the treatment of pulmonary tuberculosis. Mil. Surgeon, 1949, **105**: 396–9.—**Thompson, B. A.** The mental treatment of tuberculosis. Med. Bull. Veterans Admin., 1932, **9**: 45–57.

—— Treatment: Serotherapy.

Farreras, P. Más del tratamiento antituberculoso de Friedmann. Rev. san. mil., Madr., 1914, 3. ser., **4**: 98–102.—**La Terza, E.** Tubercolosi e sieri antitubercolari. Ann. med. nav., Roma, 1933, **39**: pt 2, 513–33.

—— Treatment, specific.

Enright, J. J. A preliminary report on attempts at active immunization of guinea pigs by urinary antigens from cases of tuberculosis. U. S. Veterans Bur. M. Bull., 1926, **2**: 357–61.—**Meyer, E. E.** Por qué es tan difícil el tratamiento específico de la tuberculosis pulmonar. Rev. méd. mil., Méx., 1938, **1**: No. 5, 6–8.—**Neumann, W.** Tuberculin treatment of tuberculous pleurisy. Conf. Med. Consultants to Wehrmacht, 4. Conf. (1944) 1948, Proj. 1, pt 4, 334.

—— Treatment: Surgical methods.

Adelberger. Grosse Chirurgie bei Lungentuberkulose. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 243.—**Aujaleu & Duban.** Présentation d'un tuberculeux pulmonaire traité par apicolyse extra fasciale de Semb. Bull. Soc. méd. mil. fr., 1938, **32**: 318.—**Badelon, P.** Traitement chirurgical de la tuberculose pulmonaire. Arch. méd. pharm. nav., 1935, **125**: 39–55.—**Beaudet, E. A., & Fales, L. H.** The surgical treatment of tuberculous cavities. Med. Bull. Veterans Admin., 1938–39, **15**: 28–40.—**Benedict, C. C.** Behavior of the diaphragm after phrenicotomy. U. S. Veterans Bur. M. Bull., 1930, **6**: 287–91.—**Bérard, L., & Dumarest, F.** Le présent et l'avenir de la chirurgie dans la tuberculose pulmonaire. Arch. méd. pharm. mil., 1927, **87**: 614–23.—**Bernstein, D.** Endobronchial tuberculosis and artificial pneumothorax. Med. Bull. Veterans Admin., 1944–45, **21**: 144–8.—**Brian, E. G., & Ricen, E.** Surgical treatment of pulmonary tuberculosis; the feasibility of bilateral phrenic paralysis combined with pneumoperitoneum. U. S. Nav. M. Bull., 1940, **38**: 553–62, 4 pl.—**Broga, A. S., & Welles, E. S.** The surgical treatment of pulmonary tuberculosis. Med. Bull. Veterans Admin., 1932, **8**: 351–68.—**Brooks, J. D., & Yount, C. E.** The tuberculous patient as a surgical risk. U. S. Veterans Bur. M. Bull., 1927, **3**: 453–5.—**Bruns, E. H. & Casper, J.** Chest surgery in the treatment of pulmonary tuberculosis. Mil. Surgeon, 1931, **68**: 311–45.—**Casella, D.** Cenni sulla cura chirurgica della tubercolosi polmonare ed in particolare sulla frenico-exeresi. Gior. med. mil., 1929, **77**: 241–55.—**Clemente.** L'aspirazione endo-

cavitaria nella cura delle caverne tubercolari del polmone. Ann. med. nav., Roma, 1939, **45**: 455–8.—**Costantini, G.** L'aspirazione endocavitaria per la cura delle caverne polmonari. Milizia san., 1940, **39**: No. 1, 8.—**Faxon, D. E.** A statistical study of the surgical treatment of far-advanced pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1931, **7**: 454–6.—**Forsee, J. H.** The surgical treatment of pulmonary tuberculosis. Mil. Surgeon, 1936, **78**: 456–66. ——— Surgery in the treatment of pulmonary tuberculosis. Ibid., 1941, **88**: 243–57.—**Friedlander, R., & Chardack, W. M.** Surgical therapy of pulmonary tuberculosis at a Veterans Administration chest center. Dis. Chest, 1949, **16**: 197–213.—**Hedblom, C. A., & Watterson, W. H.** The surgical treatment of pulmonary tuberculosis. Med. Bull. Veterans Admin., 1932, **8**: 257–66.—**Ivey, H. T.** Scalenotomy in pulmonary tuberculosis. Ibid., 1937–38, **14**: 37–40.—**Jensen, N. K.** Surgery of pulmonary tuberculosis. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, **3**: 35–50.—**Komiyayama, T.** Hai-kekkaku ni tai-suru geka-teki ryōhō no genkyō [Present status of surgical treatment of pulmonary tuberculosis] Gun idan zassi, 1925, 339; 500.—**Lilienthal, H.** The surgical treatment of pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1929, **5**: 407–11.—**Loeb, W. A., & Wilcox, E. A.** A survey of results of operative intervention in various surgical disorders of psychotic patients, with consideration of the feasibility of major collapse measurements in tuberculous-psychotic patients. Med. Bull. Veterans Admin., 1938–39, **15**: 124–30.—**Macpherson, L. A.** Lobectomy in tuberculosis. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 7, 73.—**Mader, V. O.** Experiences with pulmonary resection in the treatment of tuberculosis. Ibid., 1949, **4**: No. 8, 28–35.—**Matz, P. B.** The surgical treatment of pulmonary tuberculosis in the United States Veterans' Bureau. U. S. Veterans Bur. M. Bull., 1929, **5**: 649–67.—**Maxeiner, S. R.** Surgery of the chest and genito-urinary tract in tuberculosis. Ibid., 1927, **3**: 994–7.—**Murphy, J. D.** Transpleural cavity aspiration. Med. Bull. Veterans Admin., 1941–42, **18**: 136–40.—**Nikolajević, S.** [Surgical treatment in pulmonary tuberculosis] Voj. san. glasnik, 1931, **2**: 349–55.—**Ostrowski, W.** [Operative treatment of pulmonary caverns] Lek. wojsk., 1936, **27**: 641–63.—**Paitre, R. F. C.** Tuberculose et chirurgie. Arch. méd. pharm. mil., 1927, **86**: 285–331.—**Rickmann.** Kleine Chirurgie bei Lungentuberkulose in Wehrmachtlazaretten. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 243.—**Schneyder.** La spéléotomie dans le traitement des cavernes tuberculeuses; à propos d'une indication particulière. Bull. Soc. méd. mil. fr., 1948, **42**: 168.—**Slaney, J. G.** Surgical treatment of far advanced active pulmonary tuberculosis. Med. Bull. Veterans Admin., 1937–38, **14**: 146–8.—**Stroube, S. E.** Far advanced pulmonary tuberculosis treated by phrenic nerve avulsion combined with artificial pneumothorax. Ibid., 1935–36, **12**: 249.—**Telatycki, M.** [Operative treatment in pulmonary tuberculosis] Lek. wojsk., 1937, **30**: 129–45.—**Tompkins, R. D.** Reactions in pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1931, **7**: 362–70.—**Ubeda Purkiss, M.** La terapéutica endocavitaria de Monaldi; una técnica en el proceder de aspiración. Rev. españ. med. cir. guerra, 1939, **2**: pt 2, 393–403.—**Walker, A. G.** Phrenicotomy in nonapical pulmonary tuberculosis. U. S. Veterans Bur. M. Bull., 1931, **7**: 124–6.—**Zariello, J. J.** Discussion of pulmonary tuberculosis treated with phrenic crush and pneumoperitoneum therapy; report of two cases. U. S. Nav. M. Bull., 1948, **48**: 454–60.—**Zollo, M.** La operazione di Jacobaeus nel reparto TBC. dell'Ospedale militare principale di Roma. Gior. med. mil., 1949, **96**: 286–93.

—— Treatment: Vitamins.

Gaines, J. E. Burbot-liver oil in tuberculosis. Med. Bull. Veterans Admin., 1938–39, **15**: 240–2.—**Guilbert, G. D.** A critical review of the use of cod-liver oil and irradiated ergosterol in the treatment of tuberculosis. Ibid., 1933, **10**: 141–4.—**Josewich, A.** The value of vitamin-C therapy in tuberculosis. Ibid., 1939–40, **16**: 8–11.—**Kaplan, R. H.** Use of vitamin K in the hemoptysis of pulmonary tuberculosis. Ibid., 1941–42, **18**: 48.—**McClung, M. L., & Glickman, G.** Vitamin D milk in pulmonary tuberculosis. Ibid., 1934–35, **11**: 26–8.

—— Vaccination.

See also **Tuberculin; Tuberculin test.**

Bolanesco, I., Veber, T., & Gaspar, I. Administration de vaccin B. C. G. par voie buccale chez des adultes allergiques en bon état de sante et chez des tuberculeux pulmonaires. Rev. san. mil., Bucur., 1935, **34**: 92–9.—**Gardner, L. U., & Baldwin, E. R.** Tuberculin; its preparation and use in the treatment and diagnosis of tuberculosis. Med. Bull. Veterans Admin., 1934, **10**: 265–78.—**González, M. V.** Modificación del indice de tuberculización en el Ejército, mediante la vacunación B.C.G. Relat. Congr. panamer. tuberc., 1940, 5. Congr., **2**: 538–48.—**Meyer, E. E.** Mortalidad por tuberculosis y vacunaciones. Rev. méd. mil., Méx., 1939, **2**: No. 6, 11–3.—**Vaudremer, A.** Bacillothérapie des affections tuberculeuses autres que les affections pulmonaires. Arch. méd. pharm. mil., 1927, **87**: 587–94.—**Willis, H. S.** Tuberculin treatment of tuberculosis in the various organs of the body. Rep. Conf. Veterans Admin. Physicians, 1938, 51–3.

—— Veteran.

United States. Veterans Administration. Technical bulletin TB 10A–132: Post-hospital follow-up of tuberculous patients. 8p. 27cm. Wash., 1948.

Afable, V. S., & Cabreza, J. Pulmonary tuberculosis among Filipino ex-service men of the United States Army and Navy. Proc. Nat. Congr. Tuberc., Manila (1926) 1927, **1**: 191–213.—**Asper, G. P.** Problems confronting those engaged in treating pulmonary tuberculosis in Veterans' Bureau Hospitals. U. S. Veterans' Bur. M. Bull., 1926, **2**: 582–6.—**Bagby, B. B.,** jr. Rehabilitation of the tuberculous veteran. Tr. Nat. Tuberc. Ass., N. Y. (1948) 1949, **44**: 101–6.—**Barlow, N.** Follow-up treatment of discharged tuberculous patients. U. S. Veterans Bur. M. Bull., 1926, **2**: 1019–26.—**Barnwell, J. B.** Tuberculosis and the veteran. Massachusetts Health J., 1946, **27**: No. 2, 2–4. ——— Hospitalization of the tuberculous veteran. Michigan Pub. Health, 1946, **34**: 213.—**Bates, C. E.** Tuberculosis in the ex-soldier. J. Oklahoma M. Ass., 1926, **19**: 271–3.—**Blackwood, J. D.** The Tuberculous Veterans' Bureau patient. U. S. Nav. M. Bull., 1927, **25**: 319–23.—**Brown, J. M.** The follow up of the tuberculous veteran and his family. Health Bull., Raleigh, 1947, **62**: No. 4, 8–11.—**Burns, H. A.** Tuberculosis—an administrative problem. Rep. Conf. Veterans Admin. Physicians, 1938, 38–46.—**Bush, C.** Tuberculosis service of the Veterans' Bureau. California West. M., 1944, **61**: 89.—**Claflin, D. M.** The American Legion and plans for the control of tuberculosis among veterans. Ibid., 88.—**Cohen, A. C.** The role of the Veterans' Administration in tuberculosis control. Med. Bull. Veterans Admin., 1942–43, **19**: 442–5.—**Colton, W. A.** The treatment of the tuberculous ex-service man in relation to disciplinary regulations. U. S. Veterans Bur. M. Bull., 1926, **2**: 576–8.—**Corwin, E. H. L.** Veterans hospitals; the New York Academy of Medicine study of veterans hospitals for tuberculosis. Am. Rev. Tuberc., 1947, **55**: 477–80.—**Cumming, H. S.** Tuberculosis among the ex-service men; with special reference to its bearing on public health. Pub. Health Rep., Wash., 1922, **37**: 2241–52.—**Disney, E. K.** Plea for a concerted rationale in the diagnosis of active pulmonary tuberculosis in World War II veterans. Med. Bull. Veterans Admin., 1944–45, **21**: 20–2.—**Dublin, L. I.** Function of the health officer in the control of tuberculosis among veterans. Am. J. Pub. Health, 1945, **33**: 1425–9. ——— The problem of the tuberculous veteran. Am. Rev. Tuberc., 1944, **50**: 375–9. Also Health, Lansing, 1944, **31**: No. 3, 3, &c. Also Tr. Nat. Tuberc. Ass., N. Y., 1944, **40**: 151–4.—**Dunlop, E.** Tuberculosis in veterans with special reference to their rehabilitation. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 7, 10–8.—**Edwards, H. R.** The control of tuberculosis in the veteran. Hoosier Health Herald, 1945–46, **27**: 119–23. ——— The National Tuberculosis Association and its interest in the tuberculous veteran. Tr. Nat. Tuberc. Ass., N. Y. (1946) 1947, **42**: 207–16.—**Emery, G. C.** A preliminary report of experiences with tuberculous beneficiaries discharged from the present military forces. Med. Bull. Veterans Admin., 1942–43, **19**: 440.—**Gibson, C. B.** The veteran and tuberculosis. Connecticut M. J., 1946, **10**: 66–9.—**Hardy, R.** Ex-service tuberculous patients. Med. Off., Lond., 1945, **73**: 183–5.—**Hawley, P. R.** Problems of the tuberculous veteran. Diplomate, 1946, **18**: 205. Also J. Nat. Ass. Chiropod., 1946, **36**: No. 10, 17–9. ——— The tuberculosis program of the Veterans Administration. Tr. Nat. Tuberc. Ass., N. Y. (1946) 1947, **42**: 201–6.—**Hines, F. T.** The Veterans' Administration and its fight against tuberculosis: the hospitalization of tuberculous veterans. Mil. Surgeon, 1938, **82**: 385–91.—**James, S. H.** The chronic tuberculous veteran. S. West J. M. & S., 1933, **17**: 255–7.—**Jerusalem, M.** Bemerkungen über das Schicksal der Tuberkulosekrüppel im Kriege. Wien. klin. Wschr., 1918, **31**: 1219.—**Kaplan, R. H.** The tuberculosis ambulatory ward with an analysis of discharges over a 6 months' period. Med. Bull. Veterans Admin., 1944–45, **21**: 136–9.—**Kraabel, T. O.** The Legion takes up the fight against tuberculosis. Mod. Hosp., 1944, **63**: No. 5, 75. ——— Program for tuberculous patients among World War II veterans. Am. Rev. Tuberc., 1944, **50**: 391–400. Also Tr. Nat. Tuberc. Ass., N. Y., 1944, **40**: 167–76.—**Lindahl, W. W.** Pulmonary tuberculosis and other thoracic diseases among Army separatees. Northwest M., 1946, **45**: 848.—**Maeda, S.** Hai-kekkaku, haisen-en no kanzya zyoyaku ritai-go no genkyō [Ueber den Zustand der verabschiedeten an der Lungentuberculose und Lungenspitzentzündung erkrankten Soldaten] Gun idan zassi, 1931, 1105–27.—**McBrayer, R.** The tuberculous ex-service man and the Medical Reserve Corps Officer. Mil. Surgeon, 1923, **53**: 337–43.—**Mandracchia, J. L.** The tuberculous veterans. N. York M. J., 1920, **111**: 1112.—**Martin, A.** Over-hospitalization in tuberculosis. Med. Bull. Veterans Admin., 1944–45, **21**: 15–9.—**Matz, P. B.** The tuberculosis problem in the United States Veterans Bureau. Am. Rev. Tuberc., 1928, **18**: 776–93. Also Tubercle, Lond., 1928–29, **10**: 315–30. Also U. S. Veterans Bur. M. Bull., 1928, **4**: 997–1010.—**Miller, A. F.** A study of readmission and relapse of tuberculosis patients; in 200 consecutive cases of ex-service men readmitted to the Nova Scotia Sanatorium. Am. Rev. Tuberc., 1924–25, **9**: 561–80. ——— **& Hamon, H. T.** Some lessons learned from comparison of chest roentgenograms and physical findings in 12 hundred cases covering 4 years' experience with tuberculous ex-service men. Tr. Am. Clim. Clin. Ass., 1923, **39**: 238–47.—**Mollard, H.** Etat actuel des tuberculeux survivants de la dernière guerre. Presse méd., 1939, **47**: 1574.—**Montgomery, C. M.** The medical profession and the tuberculous ex-service patient. Pub. Health Rep., Wash., 1921, **36**: 2938–42.—**Moore, C. L.** The type of tuberculous patients entering Veterans' Bureau Hospitals to-day. U. S. Veterans' Bur. M. Bull., 1926, **2**: 579–81.—

Quinn, D. E. The tuberculous veteran. Bull. Nat. Tuberc. Ass., 1947, **33:** 145.—**Rothstein, E.** Educational therapy in tuberculosis hospitals; the Veterans Administration program. J. Rehabil., Des Moines, 1948, **14:** No. 6, 12–6.—**Sedofsky, N.** Pulmonary tuberculosis in World War II patients; a statistical study. Med. Bull. Veterans Admin., 1943–44, **20:** 313–5.—**Shamaskin, A.** Solving the problems of the tuberculous war veteran. Dis. Chest, 1948, **14:** 853–61.—**Temple, A. D., & Dunlop, E.** Tuberculosis in veterans. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 7, 61; No. 8, 23.—**Tuberculous** (The) ex-service man. Brit. M. J., 1919, **2:** 275.—**Varrier-Jones, P. C.** The tuberculosis problem as exemplified by the tuberculous ex-soldier. Ind. M. Rec., 1920, **40:** 48–51.—**Veterans'** (The) program. Hospitals, 1946, **20:** No. 8, 67.—**Wolford, R. A.** The tuberculosis problem of the Veterans' Administration. Med. Bull. Veterans Admin., 1942–43, **19:** 16–21. Also Dis. Chest, 1943, **9:** 274–80. Also Am. Rev. Tuberc., 1944, **50:** 380–90. Also Tr. Nat. Tuberc. Ass., N. Y., 1944, **40:** 155–66. Also Med. Bull. Veterans Admin., 1944–45, **21:** 127–35. ——— Tuberculous veterans of World War II; an analysis. Dis. Chest, 1945, **11:** 273. ——— The care of the tuberculous veteran. Ibid., 351–5. ——— The tuberculous veteran, plans for his future care. Ibid., 1947, **13:** 189–201.

TULAREMIA.

Bieling. Tularemia; distribution, length of sickness, serological diagnosis. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 149–53, illust.; Disc., 158–62.—**Bilek, F.** [Author's case of laboratory infection with tularemia] Voj. zdrav. listy, 1938, **14:** 260–5.—**Blumberg, A., & Russell, R. L.** Intrathoracic changes in tularemia. Med. Bull. Veterans Admin., 1934, **11:** 77–83, pl.—**Bogendoerfer, L.** Tularemia; diagnosis, agglutination, skin reactions, epidemiology, and serology. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 147–9; Disc., 158–62. ——— **Saleck, W., & Kairies, H.** Ueber das Auftreten von Tularämieerkrankungen an der Ostfront. Deut. Militärarzt, 1942, **7:** 669–73.—**Bonnet.** A propos d'un cas de tularémie familiale. Bull. Soc. méd. mil. fr., 1949, **43:** 119.—**Bunker, C. W. O., & Smith, E. E.** Tularemia. U. S. Nav. M. Bull., 1928, **26:** 901–11.—**Burnett, T. W.** Tularemia in a Rocky mountain sector of the Western front, Fort Douglas CCC district. Mil. Surgeon, 1936, **78:** 193–9.—**Carroll, H. H., & Gorman, J. E.** Tularemia; report of a case treated successively with streptomycin and aureomycin. U. S. Nav. M. Bull., 1949, **49:** 1085–7.—**Chambers, W. E.** Human tularaemia infection through bite of the domestic cat. Med. Bull. Veterans Admin., 1942–43, **19:** 206.—**Cooper, H. R.** Tularemia; report of a case. U. S. Nav. M. Bull., 1948, **48:** 102–7.—**Dredge, T. E.** Tularemic pneumonia; report of four cases. Med. Bull. Veterans Admin., 1939–40, **16:** 337–42.—**Francis, E.** Tularaemia. Mil. Surgeon, 1937, **80:** 60–6.—**Gaede, D., & Kairies, A.** Untersuchungen zur Epidemiologie und Diagnostik der Tularämie. Deut. Militärarzt, 1943, **8:** 30–5.—**Hegler, C.** Tularämie. In: Wehrhygiene (Handloser, S.) Berl., 1944, 127–9.—**Holler, G.** Zur Symptomatologie und Diagnose der Tularämie. Deut. Militärarzt, 1944, **9:** 137–42.—**Khatenever, L. M.** Allergićeskaja diagnostika, specifićeskaja profilaktika i vakcinoterapija tuljaremii. In: Dost. sovet. med. Otеć. vojny, 1943, **1:** 65–83.—**Landsiedl, A.** Ein Beitrag zur Epidemiologie und Symptomatologie der Tularämie. Deut. Militärarzt, 1942, **7:** 644–7.—**Last, J.** Oculoglandular tularemia. Med. Bull. Veterans Admin., 1941–42, **18:** 429.—**Lauche.** Pathology, anatomy and histology of the tularemia. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 154–62.—**Miller, D. H.** The transmission of tularemia by the fin prick of a catfish. Mil. Surgeon, 1939, **84:** 23–5.—**Oezverim, H.** [Tularemia] Askerî sihhiye mecmuasi, 1938, **67:** 153–8.—**Pulaski, E. J., & Anspacher, W. H.** Streptomycin therapy of tularemia in U. S. Army hospitals. Am. J. M. Sc., 1947, **214:** 144–7.—**Raška, K.** [Tularemia] Voj. zdrav. listy, 1937, **13:** 162–6.—**Redland, A. J.** Tularemia; a case report. Mil. Surgeon, 1928, **53:** 715–7.—**Rudnev, G. P.** [Prophylaxis of tularemia] Voen. san. delo, 1942, No. 7, 49–52. ——— [Clinico-epidemiological peculiarities of tularemia] Ibid., 1943, No. 11, 49–56. ——— Tularaemia. In: Enciкl. slovar voen. med., Moskva, 1946–48, **5:** 597–611.—**Schad.** Beitrag zur Epidemiologie und Serologie der Tularämie. Deut. Militärarzt, 1943, **8:** 620.—**Shellhorn, B. L., & Beckwith, C.** A case history of tularemia treated by neoarsphenamin. Mil. Surgeon, 1934, **74:** 239–41.—**Simpson, W. M.** Tularemia (Francis's disease) U. S. Nav. M. Bull., 1928, **26:** 825–33, 5 pl.—**Singer.** Pathological anatomy of tularemia. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 223–7.—**Tick-borne** tularemia. Bull. U. S. Army M. Dep., 1944, No. 77, 3.—**Troy, T. S., & Levin, S. L.** Tularemic inguinal lymphadenitis. Med. Bull. Veterans Admin., 1943–44, **20:** 76.—**Turgut Argun** [Tularemia] Askerî vet. mecmuasi, 1938, **15:** 245–62.—**Wagner, H.** Tularämie. In: Wehrmedizin (Zimmer, A.) Wien, 1944, **3:** 62–96.—**Wright, H. E.** Tularemia. In: Prev. Med. in World War II, Wash., 1948, **8:** 208–11.

TUMBLING.

Hill, T. C., jr, & Shaw, R. S. Proposed tumbling studies. 10p. 27cm. Dayton, 1948.
Forms No. MCREXD–695–66J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

TUMOR.

See also under names of organs as **Pancreas, Tumor; Rectum,** Disease and tumor, etc.

Allen, A. C. Cutaneous neoplasms. 12p. 25½cm. Wash., 1942.
Forms No. 4, Study Batch U. S. Army Inst. Path.

Beebe, G. W. Expected incidence of certain neoplastic diseases in veterans. 16p. 28cm. Wash., 1947.

United States. Veterans Administration. Technical bulletin TB 10A–37: Tumor centers. 2p. 27cm. Wash., 1947.

Age distribution of selected benign tumors. Statist. Navy M., 1948, **4:** No. 3, 6–8.—**Bachman, K. P.** Pheochromocytoma; report of a case. U. S. Nav. M. Bull., 1949, **49:** 1145–50, illust.—**Barnett, G.** An amazing case of tumour formation in a mule. J. R. Army Vet. Corps, 1942–43, **14:** 24.—**Benign** tumors. Statist. Navy M., 1947, **3:** No. 8, 5–9.—**Borst.** Maligne Geschwülste bei Soldaten mit besonderer Berücksichtigung der WDB-Frage. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 180–2.—**Brues, A. M., & Harris, P. S.** Neoplasia. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **3:** No. 5, 1–34.—**Coker, R. E., jr.** Malignant neoplasms of the skin. U. S. Armed Forces M. J., 1950, **1:** 266–8.—**Constantinescu, S.** Asupra unui caz de carcinoză osteoclastică generalizată. Rev. san. mil., Bucur., 1937, **36:** 813–6, illust.—**Demel, A. C.** I tumori negli animali. Gior. med. mil., 1933, **81:** 481.—**Gerrard, E. A.** High blood sedimentation rate in a case of hypernephroma of the kidney. J. R. Nav. M. Serv., 1942, **28:** 179.—**Guyton, J. S.** Tumors. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1948, **2:** 895–908.—**Hahn, P. F.** Treatment of neoplasms by direct infiltration with radioactive colloids. Q. Project Summary Off. Nav. Res., 1948, July, 418.—**Hansemann, D.** Beeinflusst der Krieg die Entstehung oder das Wachtstum von Geschwülsten? Zschr. Krebsforsch., 1915–16, **15:** 492–516.—**Jame, J., Combalat, E., & Passa.** Un cas de sarcoïde hypodermique de Darier–Roussy. Bull. Soc. méd. mil. fr., 1933, **27:** 175–8.—**Kanazawa, S.** Akusei syuyō oyobi rinpa-sen kekkaku no roentgen-sen sinbu tiryō seiseki ni tuite [Results with X-ray deep treatment of malignant tumors and tuberculous lymphadenoma] Kaigun gun ikai zassi, 1928–29, **17:** 438–58.—**Martínez Pazos, A., & Solans, L.** Un caso de enfermedad de Kahler. Med. & cir. guerra, 1948, **10:** 217–23.—**Muelling, R. J.,** jr. Malignant melanoma; a comparative study of the incidence in the Negro race. Mil. Surgeon, 1948, **103:** 359–64.—**Muzaffer Sander** [Symptomatology and roentgen diagnosis of tumors in the region of the sella turcica] Askerî sihhiye mecmuasi, 1941, **70:** 42–5.—**Necib Zobu** [Case of malignant tumor in a horse] Askerî tibbi baytarî mecmuasi, 1936, **13:** 327–9.—**Necip Riza.** Bir katırda adénokarsinom vak'ası [Un cas de adénocarcinome chez un mulet] Ibid., 1929, **7:** 65–9.—**Novaković, A.** Jedan slučaj melanosarkoma sudovnjace. Voj. san. pregl., Beogr., 1948, **5:** 164.—**Orr, H.** A note on cancer of the skin. Treatm. Serv. Bull., Ottawa, 1949, **4:** No. 6, 39.—**Rasim Adasal** [Suprasellar tumor (Rathke's pouch)] Askerî sihhiye mecmuasi, 1939, **68:** 1–4.—**Russell, H. K., & Jacobson, B. M.** Thrombopenic purpura secondary to multiple myeloma. U. S. Nav. M. Bull., 1945, **45:** 967–70.—**Schrek, R., & Allaben, G. R.** Statistical analysis of 2,407 admissions to the Tumor Clinic of Veterans Hospital, Hines, Illinois, during 1943. Cancer Res., 1945, **5:** 539–46.—**Sonoda, T.** Syuyō no isyu-zoku isyoku zikken [Experiment über die Heterotransplantation einer Geschwulst] Gun idan zassi, 1932, 1321–34, 2pl.—**Soukup, F. K.** Tumors and associated problems. U. S. Nav. M. Bull., 1935, **33:** 494–510.—**Tasiro, T.** Kokusyoku hyōhisyu no iti rei [A case of melano-epithelioma] Gun idan zassi, 1929, 1049–57, 2pl.—**Warren, L. H.** Malignant tumors of the skin. Mil. Surgeon, 1942, **91:** 393–400.

TUNGA penetrans.

Bruce, C. O., & Knigin, T. D., & Yolles, S. F. A discussion of the chigoe, Tunga penetrans, based on experiences in British Guiana. Mil. Surgeon, 1942, **91:** 446–52.

TUNING fork.

Goalwin, H. A. The use of tuning forks for audiometry. Med. Bull. Veterans Admin., 1941–42, **18:** 266–71.—**Sonnenschein, R., & Reasoner, M. A.** The use of standardized-tuning forks and hearing tests in the military service. Mil. Surgeon, 1929, **44:** 169–86.

TUNIS.

See also **Dysentery,** Diagnosis; **World War II.**

United States. War Department. Technical bulletin TB MED 98: Medical and sanitary data on Tunisia. 24p. 26cm. Wash., 1944.

Belot. Les hôpitaux et l'assistance médicale en Tunisie. Arch. méd. pharm. nav., 1933, **123:** 281–301.

TURKESTAN War (1853–75)

See under **Wars and campaigns.**

TURKEY.

For references to this country see in Military Section the following headings: **Hospital report; Medical organization; Medical service; Morbidity; Sanitation, Tuberculosis geography; Venereal disease; Wars and campaigns** (various subheadings) **World War I; World War II.**

TURPENTINE.

Mazzetti, L. Su di alcuni casi di dermatite da trementina. Gior. med. mil., 1932, **80**: 749–57.—**Yates, M. T., & Levinson, S.** Determination of turpentine in air. U. S. Nav. M. Bull., 1943, **41**: 1138–42.

TYPHOID bacillus.

See also **Salmonella.**

Altabelli, A. Bacterium coli e bacillo del tifo. Gior. med. mil., 1908, **56**: 36–40.—**Braun, A.** La recherche du bacille d'Eberth, son importance au point de vue de la prophylaxie de la fièvre typhoïde. Arch. méd. pharm. mil., 1906, **47**: 377–97.—**Cilli, V.** Osservazioni sulla fermentazione simbiotica di alcuni germi del gruppo tifo-paratifo-coli. Gior. med. mil., 1931, **79**: 639–68.—**Endō, K.** Sisan-sei typhus-kin (acidophile Typhusbacillen) ni tuite, koto-ni sono Orientierungs-Agglutination narabi-ni katai gisyūsei no hontai ni kan-suru zikken-teki kenkyū [Experimental study on the acidophil typhoid bacillus, especially the nature of its group agglutination and its difficult agglutinability] Gun idan zassi, 1927, 877; 1030, illust.

—— Cultivation.

See also **Typhoid fever,** Diagnosis.

Benians, T. H. C. The preservation of typhoid and paratyphoid bacilli in stools by emulsifying in glycerine. Lancet, Lond., 1918, **1**: 255.—**Bergman, R.** [Diagnosis by blood culture in typhoid and paratyphoid] Tskr. mil. hälsov., 1933, **58**: 107–23.—**Braun, A.** Méthode d'envoi et d'examen des selles au point de vue de la recherche du bacille d'Eberth. Arch. méd. pharm. mil., 1908, **52**: 193–206.—**Fawcus, H. B.** The isolation of Bacillus typhosus from excreta. J. R. Army M. Corps, 1909, **12**: 147–54.—**Galaj.** K voprosu o nakhoždenii bacilly Eberta po sposobu Piorkovskago. Voen. med. J., S. Peterb., 1900, **78**: Med. spec. pt, 1428–33.—**Henry, X.** Les nouvelles méthodes de recherches du bacille d'Eberth dans les selles. Arch. méd. pharm. mil., 1910, **56**: 252–8.—**Kichenko, M. G.** [The use of the rosole medium for isolation and identification of bacilli of the typhoid group] Voen. san. delo, 1942, No. 7, 47.—**Lebœuf, A., Braun, P., & Bounafous, J.** Action comparée du bacille d'Eberth, du paratyphique B et du paratyphique A sur les milieux au citrate de soude (nouveau procédé de différenciation) Arch. méd. pharm. mil., 1916, **65**: 601–3.—**Ott, A.** Ueber die Bedeutung der Knochenmarkskultur für den Typhus- und Paratyphusbacillennachweis. Deut. Militärarzt, 1940, **5**: 568.—**Ozaki, T.** Tō-ka tanzyū baiti ni tuite [Sugar-bile media useful for the direct demonstration of typhoid bacilli in the blood-stream] Kaigun gun ikai zassi, 1939, **28**: 351–7.—**Posudzevsky, N. Z.** K voprosu ob izmenenii pitatelnykh sred, soderžaščikh nekotorye vidy sakhara, pod vlijaniem rosta bac. typhi abdominalis. Voen. med. J., S. Peterb., 1914, **240**: Med. spec. pt, 62–9.—**Simon, G.** Resultate mit dem Lentz-Tietzschen Anreicherungsverfahren und dem Endoschen Fuchsinager. Deut. mil. ärztl. Zschr., 1908, 741–5.—**Statham, J. C. B.** The diagnosis of typhoid and paratyphoid fever by means of cultures taken from the blood in these diseases. J. R. Army M. Corps, 1907, **9**: 226–36. —— Report on a further series of blood cultures from seventy-four cases of typhoid and paratyphoid fever. Ibid., 1908, **11**: 617–25.—**Tanaka, Y.** Wasserblau-ka Endō hen-hō baiti ni tuite [Endō-medium with the addition of anilin blue as a selective medium for the typhoid-dysentery group of bacteria] Kaigun gun ikai zassi, 1936, **25**: 160–7.—**Verbicki, F. V.** Novaja sreda dlja otkrytija tifoznoj paločki v ispraźnenijakh. Izv. Voen. med. akad., S. Peterburg, 1909, **18**: 398–418.—**Wight, T. H. T., & Meehan, W.** Value of media containing certain iron compounds in differentiating the typhoid-colon group of organisms. U. S. Veterans Bur. M. Bull., 1930, **6**: 493–5.—**Zhdanov, V. M.** [The use of bromthymol milk for the diagnosis of bacilli of the typhoid group] Voen. san. delo, 1942, No. 9, 42–4.

—— Immunology.

See also **Typhoid fever,** Immunization and vaccination.

Kisigami, S. So-typhus-kin wo motte-seru saikin-tai men-eki ni kan-suru zikken-teki kenkyū [Experimental study on the immunity produced by the administration of the bacterial bodies of the murine typhoid bacillus] p.1–58. 25½cm. Tōkyō, 1936.

Kalgun gun ikai zassi, 1936, **25**:

Wakeman, F. B. A specific somatic polysaccharide as the essential immunizing antigen of the typhoid bacillus; by Acetone [pseud.] 39 l. 28cm. Carlisle, 1939.

Typewritten, probably manuscript for article of same title in Military Surgeon, 1939, **84**: 318; 452.

Buckley, C. D. M. Note on the agglutinogenic properties of washings of cultures of Bacillus typhosus. J. R. Army M. Corps, 1927, **49**: 100–6.—**Calabrò, S. E.** Saggi sulla tossicità e sul potere immunizzante di filtrati di batteri tifici. Gior. med. mil., 1938, **86**: 962–70.—**Ikegami, Y.** Typhus-kin kōgen no sinsyutusei ni tuite [Das lösliche somatische Antigen der Typhusbazillen] Kaigun gun ikai zassi, 1938, **27**: 159–71. —— Tyō-typhus-kin kōgen ni kan-suru kenkyū [A study concerning the antigen character of the typhoid bacillus] Ibid., 529–52.—**Karaffa-Korbutt, K. V.** K voprosu ob immunizirovanii iośadej sensibilizirovannymi živymi kulturami b. typhi abdominalis. Voen. med. J., S. Peterb., 1914, **239**: Med. spec. pt, 617–23.—**Wakeman, F. B.** A specific somatic polysaccharide as the essential immunizing antigen of the typhoid bacillus. Mil. Surgeon, 1939, **84**: 318; 452.

—— Resistance.

Gersh, I., & Hollaender, A. Structural changes in Eberthella typhosa after irradiation with ultraviolet light as viewed with the electron microscope. 7p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-187, U. S. Nav. M. Res. Inst.

Harrison, W. S., & Harrison, L. W. On the effect of drying and of exposure to the sun of the typhoid bacillus under Indian conditions. J. R. Army M. Corps, 1904, **2**: 721–3.—**Ikegami, Y., & Akaki, T.** Rikagaku-teki syoti ni yoru typhus-kin benmō no taido [Behaviour of the flagella of the typhoid bacillus due to physico-chemical treatment] Kaigun gun ikai zassi, 1934, **23**: 588; 1939, **28**: 227.—**McNaught, J. G.** On the action of cold or lukewarm tea on Bacillus typhosus. J. R. Army M. Corps, 1906, **7**: 372.—**Structural** changes in Eberthella typhosa after irradiation with ultraviolet light as viewed with the electron microscope. Bumed News Lett., Wash., 1944, **4**: No. 8, 7–10.—**Tikano, T.** Tanzyū no typhus-kin zōkinryoku ni kan-suru ni-san no tiken narabi ni yo ga kōan sitaru ampule-ire tanzyū-bouillon baiti ni tukite [A few opinions on the power of increase of the typhoid bacteria in bile, and a culture medium consisting of bile-bouillon in an ampule, a medium designed by the author] Gun idan zassi, 1930, 789–810.

—— Serology.

Hulûsi Oezverim. Tifo basilleri serologisi. Askeri sıhhiye mecmuası, 1936, **65**: No. 15, 8–18, illust.—**Mattei, A.** Studi sulla fase R dei batteri del gruppo tifo-paratifi; ricerche immunologiche. Ann. med. nav., Roma, 1935, **41**: pt 1, 19–51.—**Montel, E. L.** Sur la variabilité microbienne; déductions biologiques en ce qui concerne surtout le domaine de la fièvre typhoïde. Rev. Serv. san. mil., Par., 1939, **111**: 473–91.—**Reitano, U.** Ricerche sui differenti tipi di bacilli tifici di provenienza italiana per mezzo della fermentazione di alcuni zuccheri. Gior. med. mil., 1930, **78**: 661–8.—**Smallman, A. B.** Note upon the possible inter-relationship between typhoid and para-typhoid bacilli. J. R. Army M. Corps, 1905, **5**: 137–9.—**Smith, F.** The sedimenting effects of the sera of cows on some bacilli of the typhoid group. Ibid., 1909, **13**: 265–70.—**Whitehead, N. T.** Notes on the rough and smooth forms of Bacillus typhosus. Ibid., 1927, **49**: 241–7.—**Wilson, J. F.** The bacteriophage typing of European and North African strains of Bact. typhosum. Ibid., 1947, **89**: 186.

—— Vaccine.

See **Typhoid vaccine.**

—— Vectors.

Aldridge, A. R. The spread of the infection of enteric fever by flies. J. R. Army M. Corps, 1904, **3**: 649–51. —— House-flies as carriers of enteric fever infection. Ibid., 1907, **9**: 558–71.—**Austen, E. E.** The house-fly and certain allied species as disseminators of enteric fever among troops in the field. Ibid., 1904, **2**: 651–68, 2 pl.—**Doubre.** Les mouches considéi ées comme causes de dissémination de la fièvre typhoïde parmi les troupes campées. Caducée, Par., 1905, **5**: 211–3.—**Faichnie, N.** Fly-borne enteric fever, the source of infection. J. R. Army M. Corps, 1909, **13**: 580–4. —— Bacillus typhosus in flies. Ibid., 672–5.—**Masucci, A.** Le ostriche veicolo dell'infezione tifoide. Ann. med. nav., Roma, 1901, **7**: 377–93.—**Odlum, W. H.** Are flies the cause of enteric fever? J. R. Army M. Corps, 1908, **10**: 528–30.

—— Vi antigen.

Bensted, H. J. Typhoid fever; an examination of the virulence of strains of Bacterium typhosum derived from blood

cultures of one hundred consecutive cases. J. R. Army M. Corps, 1937, 68: 1–14. ——— Bacterium typhosum; the development of Vi-antigen and Vi-antibody. Ibid., 1940, 74: 19–35.—**Calabrò, S. E.** Ricerche sperimentali e considerazioni sull'antigene tifico Vi di Felix. Gior. med. mil., 1936, 84: 963–74.—**De Alessi, E.** Saggi di virulenza di alcuni ceppi di tifo. Ibid., 1939, 87: 630–7.—**Morgan, J. C., & Harvey, D.** An experimental research on the viability of the Bacillus typhosus as excreted under natural conditions by the chronic carrier. J. R. Army M. Corps, 1909, 12: 587–98.—**Morzycki, J.** Variations in the antigen Vi content of typhoid bacilli and in their sensitivity to specific bacteriophages in the course of an epidemic. Bull. Inst. Marine Trop. M., Gdańsk, 1948, 1: 23–8.—**Petrini, M.** Untersuchungen über eine neue einfache Methode zum Nachweis der Vi- Antikörper im Serum von Typhuskranken. Vjschr. schweiz. Sanitätsoff., 1943, 20: 124 (Abstr.)

TYPHOID carrier.

See also **Typhoid fever,** Epidemiology.

Butler, C. S. Report on a typhoid carrier. U. S. Nav. M. Bull., 1910, 4: 43.—**Casıelli, G. D.** Fenomeni dissociativi del bacillo del tifo nei portatori. Gior. med. mil., 1933, 81: 248–60.—**Chronic** typhoid carriers in the Army. Brit. M. J., 1909, 2: 100.—**Chuprin, I. S.** [Carriers of bacilli and their significance in the origin of typhoid fever epidemics among troops] Voen. med. J., Petrogr., 1915, 243: Med. spec. pt, 110–31.—**Cochrane, E. W. W.** Protracted infection in enteric fever, with notes on a series of cases apparently caused by a carrier. J. R. Army M. Corps, 1909, 12: 155–62.— **Cummins, S. L.** The causation and prevention of enteric fever in military service; with special reference to the importance of carriers. Ibid., 1913, 20: 635; 21: 39.—**Grattan, H. W., & Harvey, D.** A small epidemic of typhoid fever caused by an acute carrier. Ibid., 1911, 17: 131–5.—**Job, E., & Grysez.** Les porteurs chroniques de bacilles typhoïdiques. Arch. méd. pharm. mil., 1908, 51: 1–23.—**Łaniewski, M.** [Case of typhoid bacilli carrier] Lek. wojsk., 1939, 33: 484–7.—**Lemoine, G. H.** Les porteurs de germes et la prophylaxie de la fièvre typhoïde dans l'armée. Presse méd., 1910, 18: 113–5.—**Sacquépée, E.** Los portadores crónicos de los bacilos tíficos y paratíficos. Bol. san. mil., B. Air., 1910, 9: 122–38.—**Shallenberger, P. L., & Eselius, E. R.** An unusual typhoid carrier. Bull. U. S. Army M. Dep., 1946, 5: 724.—**Siler, J. F.** Typhoid fever in the Army, with especial reference to chronic carriers. Postgraduate, N. Y., 1909, 24: 812.—**Typhoid** carrier. Bull. Army M. Dep., Lond., 1942, No. 18, 7. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 39.

—— Examination.

Enteric fevers, dysentery, and the routine examination of menials for the carrier condition. J. R. Army M. Corps, 1931, 56: 434; 57: 38.—**Hüne.** Untersuchungen von Rekruten des II. Armeekorps auf Typhusbazillenträger. Deut. mil. ärztl. Zschr., 1912, 41: 321–4.—**Stepanov, J. I., & Lapin, A. P.** Nekotorye uprośćenija v dele izsledovanija nositelej brjuśnotifoznoj paloćki. Voen. med. J., S. Peterb., 1912, 235: Med. spec. pt, 119–25.—**Stokes, A., & Clarke, C.** A short account of the search for typhoid carriers among eight hundred convalescents. J. R. Army M. Corps, 1916, 26: 461–70.

—— Treatment.

Bohdanowiczówna, Z. [Rôle of typhoid bacilli carriers and means of prevention] Lek. wojsk., 1929, 13: 512–25.—**Clements, R. W., & Dawson, A.** Report on the treatment of a chronic typhoid carrier by a specific vaccine. J. R. Army M. Corps, 1911, 16: 420–4.—**Cummins, S. L., Fawcus, H. B., & Kennedy, J. C.** Treatment of typhoid carriers. Ibid., 1910, 14: 351–84, 2 ch.—**Kirita, S.** Dōbutu-tai-nai ni typhus-kin ni tai-suru yakubutu syōdoku ni tuite [Ueber die innere Chemikaliendesinfection des Typhusbacillen tragenden Tierkörpers] Gun idan zassi, 1913, 10–37.—**Lannois, E.** Los portadores de bacilos de Eberth; profilaxia de la fiebre tifoidea en el ejército. Bol. san. mil., B. Air., 1910, 9: 12–7.—**Rogosin, I. I., & Kossovaja, E. I.** [Utilization of microbic antagonism for destruction of pathogenic factors during evacuation of bacillus carriers] Voen. med. J., Moskva, 1933, 4: 236–42.

TYPHOID fever.

See also **Diarrhea; Morbidity; Salmonella; Salmonellasis; Spleen,** Rupture.

GLEITSMANN, H. Der Darmtyphus. p. 305–58. 4° Berl., 1935.

In: Kriegssan. Ber. Deut. Marine, Berl., 1935, 3:

Caldwell, R. On enteric fever during active service. Brit. M. J., 1907, 2: 513–6.—**Cookson, H.** Infective diseases of war; typhoid fever. Med. Press & Circ., Lond., 1941, 206: 78–82.—**Habs, H.** Infektionskrankheiten; die wichtigsten Infektionskrankheiten; ihre Verhütung und Bekämpfung; Typhus abdominalis. In: Wehrhygiene (Handloser, S.) Berl., 1944, 27–35.—**Hurst, A.** Typhoid and paratyphoid fevers. In his Med. Dis. War, 2. ed., Lond., 1941, 179–200. Also 3. ed., Lond., 1943, 255–76.—**Kelsch.** La fièvre typhoïde. Caducée, Par., 1908, 8: 131–3.—**Typhoid** fever. Res. Program U. S. Army M. Res. Bd, 1946, 108–11.—**Typhoid** and paratyphoid fever. Rev. War Surg. & M., 1919, 2: No. 5, 46–53.—**Westphal.** Typhus abdominalis. Deut. med. Wschr., 1944, 70: 48. ——— Experience with typhoid and paratyphoid. Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 183; Disc., 190.

—— Associated diseases.

Bassères. Un cas d'association de fièvre typhoïde et de fièvre de Malte. Bull. Soc. méd. mil. fr., 1910, 4: 441–6.—**Johnston, H. H.** Case of enteric fever complicated with diphtheria: death. J. R. Army M. Corps, 1905, 5: 400–2.—**Kime, E. N.** A case of typhoid fever complicated by secondary lues. Indianapolis M. J., 1917, 20: 571.—**Lévy, A.** Fièvre typhoïde et rougeole. Arch. méd. pharm. mil., 1906, 48: 259–65.—**Masucci, A.** Un caso di noma consecutivo a febbre tifoide. Ann. med. nav., Roma, 1903, 9: 60–3.—**Monteiro, O.** Apendicite aguda comum e infecção tifo-paratifica simultaneas. An. Hosp. centr. exerc., Rio, 1939, 4: 49–54.—**Rho, F.** L'infezione mista tifica e malarica; rivista generale e casuistica. Ann. med. nav., Roma, 1901, 7: pt 2, 701–31, 2 ch.

—— Bacillemia.

Karwacki, L. [Septicemia due to Eberth's bacillus] Lek. wojsk., 1930, 16: 49–60.—**Zabicki, S.** [Four cases of bacteremia in typhoid fever] Ibid., 1938, 31: 195–203.

—— Cases.

Barrett, R. H. Some cases of enteric fever. J. R. Nav. M. Serv., 1939, 25: 40–5.—**Bruce, D.** Description of cases of enteric fever examined. Rep. Com. Dysentery (Gr. Britain, Secr. War) Lond., 1903, 30–40, 3 pl.—**Lema Maciel, M.** [Dos casos de fiebre tifoidea] An. san. mil., B. Air., 1900, 2: 609–14.—**Montel, E. L.** Diagnostic rétrospectif de deux cas probable de typhus endémique bénin, observés chez les soldats. Bull. Soc. méd. mil. fr., 1935, 29: 347–50.—**Theodos, P. A.** Typhoid fever; report of a case. Med. Bull. Medit. Theater U. S., 1945, 3: 83–5.

—— Clinical aspect.

Bassères & Coste. Quelques particularités cliniques de la fièvre typhoïde; la lésion de Dugnet, la réaction splénique, la défaillance cardiaque, le traitement. Arch. méd., pharm. mil., 1913, 61: 67–99.—**Battistoni, L.** Su alcuni casi di febbre interpretati come intezione tifoidea abortiva. Gior. med. mil., 1937, 85: 953–66.—**Blanc.** Un cas de typhoïde à début pulmonaire cliniquement tuberculeux. Bull. Soc. méd. mil. fr., 1912, 6: 380–3.—**Crespin.** La forme hépatique de la fièvre typhoïde. Caducée, Par., 1910, 10: 201–3.—**Daireaux, P.** Étude sur la forme méningitique de la fièvre typhoïde. Arch. méd. pharm. mil., 1904, 44: 149–62.—**Dettling.** Manifestations hémorragiques dans la fièvre typhoïde. Ibid., 1901, 38: 408–28.—**Forman, M. H., & Selby, R.** An obscure case of ambulatory typhoid. J. R. Army M. Corps, 1905, 4: 77–9.—**Le Goic.** Deux cas de fièvre typhoïde à localisations anormales (colotyphus) Arch. méd. pharm. mil., 1903, 41: 152–7.—**Mulvany, D. P. F.** Unusual haemorrhagic sequelae in a case of suspected enteric fever group. J. R. Army M. Corps, 1935, 65: 265.—**Paolilli, S., & Lecchini, L.** Osservazioni cliniche su 360 casi di febbre tifoide. Gior. med. mil., 1933, 81: 832; 1036.—**Popescu, C., & Zilişteanu, C.** [Case of grave typhoid fever of atactic-adynamic form] Rev. san. mil., Bucur., 1933, 32: 145–7.—**Redondo-Flores, A.** Fiebre tifoidea grave de catorce septendrios. Med. mil. españ., 1901–02, 8: 289; 305. ——— Fiebre tifoidea grave. Rev. san. mil., Madr., 1902, 16: 229–32.—**Suganuma, T., & Simozyō, S.** Dengeki-sei typhus ni tuite; hu, sono ni rei [Typhoid foudroyant; supplement, two cases] Gun igakkai zassi, 1902, 687–92.

—— Complications.

Bonnette, P. Un cas d'angine ulcéro-membraneuse initiale d'une fièvre typhoïde grave, mortelle. Arch. méd. pharm. mil. 1907, 50: 121–6.—**Boyce, W. W., & Wells, A. G.** A case of enteric fever with complications; operation; recovery. J. R. Army M. Corps, 1910, 15: 480–83.—**Cambau.** Des complications oculaires des affections typhoïdes. Rev. vét. mil., Par., 1931, 15: 388–94.—**Carp, I.** Considerațiuni asupra unui caz de embolie pulmonară precoce survenita în cursul unei flebite tifice. Rev. san. mil., Bucur., 1901–02, 5: 116; 141.—**Cazalas, X. M. M.** Un cas de néphrite azotémique dans la fièvre typhoïde. Arch. méd. pharm. mil., 1933, 99: 741–50.—**Chevillet, P.** Contribution à l'étude de l'amnésie post-typhique. Bull. Soc. méd. mil. fr., 1936, 30: 204–7.—**Dettling & Remlinger.** Fièvre typhoïde compliquée de pneumothorax. Arch. méd. pharm. mil., 1900, 35: 218–24.—**Donaldson, J.** Severe complications arising during a case of enteric fever. J. R. Army M. Corps, 1908, 11: 518.—**Gravirovsky, N. P.** Slućaj zavorota sigmovidnoj kiški pri brjuśnom tife. Voen. med. J., S. Peterb., 1911, 230: Med. spec. pt, 635–44.—**Hayes, E. C.** A case of enteric fever complicated with an empyema, the exciting organism being one of the Bacillus coli or typhoid intermediate group. J. R. Army M. Corps, 1907, 8: 431.—**Huey, I. M.** Thrombosis of the inferior vena cava following enteric fever; recovery, with establishment of the collateral circulation. Ibid., 1904, 2: 593–5.—**McLeod, K.** Right-empyema, simulating hepatic abscess, following enteric fever with history of dysentery and ague; exploration and incision; disorganisation of right lung; exhaustion; death. Army M. Dep. Rep., Lond.,

(1899) 1901, 41: 388.—**McMaster, P. E.** Typhoid spine. U. S. Nav. M. Bull., 1942, 40: 957–63, 3 pl.—**Opizzi, J.** Pancreatitis hemorrágica aguda en la tifoidea. Rev. san. mil., B. Air., 1943, 42: 484; 579.—**Pučkovsky, A. M.** Zabolevanija organa slukha pri brjušnom tife. Voen. med. J., S. Peterb., 1908, 221: Med. spec. pt 38; 217.—**Quérangal des Essarts & Buffet.** Sur un cas de polynévrite typhoïdique à forme paraplégique. Arch. méd. pharm. nav., 1939, 129: 444–55.—**Quiróz, J. D., & González Jovellanos, E.** A propósito de un caso de epiploitis tífica aguda simulando una apendicitis aguda subhepática. Rev. san. mil., Asunción, 1942, No. 135, 145–52.—**Rapoport, P. L.** [Typhoid cholecystitis] Tr. Acad. mil. méd. Kiroff, 1935, 3: 211–30.—**Risk, E. J. E.** Post-enteric thrombosis and its treatment by citric acid to dissolve the clot. J. R. Army M. Corps, 1907, 8: 634–6.—**Schuster & Kern.** Ein Fall von peripherischer Gangrän nach Ileotyphus. Deut. mil. ärztl. Zschr., 1903, 32: 39–46.—**Tacchetti, G.** Contrattura dello psoas-iliaco da adenite e periadenite retroperitoneale della fossa iliaca sinistra in un caso di tito addominale. Ann. med. nav., Roma, 1902, 8: pt 2, 553–6.—**Tasiro, R., & Dosyō, H.** Tyō-typhus-sei sekituien no iti rei koto-ni sono roentgen-zō no keika ni tuite [A case of spondylitis typhosa, especially its progress observed roentgenologically] Kaigun gun ikai zassi, 1933, 22: 19–22.—**Tyźnenko, A. M.** K kazuistike osložnenij brjušnogo tifa. Voen. med. J., S. Peterb., 1903, 3: Med. spec. pt, 461–5.—**Vagedes.** Typhöser periostitischer Abscess, ausschliesslich durch Typhusbazillen verursacht. Deut. mil. ärztl. Zschr., 1903, 32: 243–6.—**Victorio, A. T.** Toxifrenias de origen eberthiano. Rev. san. mil., Madr., 1910, 4: 100–6.—**West, J. W., & Dudding, T. S.** A case of enteric fever with spontaneous rupture of the spleen. J. R. Army M. Corps, 1906, 7: 183–5.—**Wright, J.** A rare complication of typhoid fever; pyonephrosis. Ibid., 1935, 64: 266.—**Yasuyama, K., & Sudō, S.** Tyō-typhus kaihuku-ki ni oite hinpatu-seru i-kakutyō no iti rei [A case of the acute dilation of the stomach that occurs frequently during convalescence from typhoid fever] Kaigun gun ikai zassi, 1936, 25: 281–3, pl.—**Zenović-Kaščenko, B. A,** Slućaj pervičnago gnojnago nefrita, obuslovlennago paločkoj Gaffky-Ebert'a. Voen. med. J., S. Peterb., 1908, 223: Med. spec. pt, 428–42.

—— Complications: Perforation and peritonitis.

Baudet. Perforation intestinale chez un typhoidique [Intestinal perforation in typhoid fever; operation; fatal case] Bull. Soc. méd. mil. fr., 1928, 22: 29–33.—**Bolot & Luigi.** Deux cas de perforation typhique du grêle en péritoine libre suivis de guérison. Ibid., 1949, 43: 71–3.—**Carp, I.** Un cas de febră tifoidă complicat de peritonită prin perforație. Rev. san. mil., Bucur., 1897–98, 1: 298–300.—**Cochois.** Perforation intestinale survenue au cours d'une fièvre typhoïde; laparotomie; guérison. Arch. méd. pharm. mil., 1909, 53: 411.—**Dubujadoux.** Perforation intestinale au 9e jour d'une typhoïde; dilation aiguë postopératoire de l'estomac et de l'intestin; phénomènes prolongés d'obstruction et de circulus viciosus. Ibid., 1908, 51: 324–45.—**Ducourthial.** Fièvre typhoïde; fièvre typhoïde compliquée de perforation intestinale, laparotomie; suture en bourse de la perforation et enfouissement. Bull. Soc. méd. mil. fr., 1909, 3: 384.—**Gagliardone, C., & Roviras, S.** Perforación intestinal posttífica; cura operatoria. Rev. san. mil., Asunción, 1939–40, 13: 1119–21.—**Gunter, F. E., & Sheehan, G. F.** A case of acute general peritonitis following enteric fever; operation; recovery. J. R. Army M. Corps, 1907, 9: 65–7.—**Heuston, F.** Intestinal perforation in typhoid fever on active service. Ibid., 1904, 2: 726.—**Meadows, S. M. W.** Case of peritonitis without perforation in enteric fever; operation; recovery. Ibid., 1908, 11: 170.—**Migaj, F. I.** K kazuistike operativnago vmešatelstva pri tifoznom probodnom peritonite. Tr. Hosp. khir. klin. Fedorova, Voen. med. akad., S. Peterb., 1910, 4: 103–18.—**Monart, A. H., & Lafforgue, B. J. M.** Péritonite par perforation, à évolution paradoxale au cours d'une fièvre typhoïde. Arch. méd. pharm. mil., 1906, 46: 129–38.—**Montel, E. L., & Assali, J.** Perforation intestinale typhique; opération; guérison. Bull. Soc. méd. mil. fr., 1933, 27: 227–32.—**Perkins, H. N.** A case of self-healing typhoid perforation of the ileum. J. R. Army M. Corps, 1937, 69: 202–4.—**Perrignon de Troyes, C. F. F. C., & d'Audibert-Caille du Bourguet, M. C. L. M.** Les perforations de l'intestin grêle dans les affections du groupe typho-paratyphique; a propos de quatre observations. Rev. Serv. san. mil., Par., 1938, 108: 13–38.—**Ruotte.** Perforations intestinales au cours de la fièvre typhoïde. Arch. méd. pharm. mil., 1909, 53: 404–11.—**Saint-Vincent de Parois, T.** Note sur un cas de perforation intestinale d'origine typhoïdique; laparotomie; guérison. Ibid., 1908, 52: 51–62.—**Semenov, A. N.** Slućaj gnojnago peritonita posle tromboza levoj naruźnoj podvzdošnoj veny pri brjušnom tife. Voen. med. J., S. Peterb., 1910, 228: Med. spec. pt, 82–6.—**Tyō-typhus** kaiyō senkō-sei hukumakuen no bōken iti rei [An autopsy case of perforative peritonitis from ulcers of typhoid fever] Gun igakkai zassi, 1904, 281–6.—**West, J. W.** Ambulatory enteric with perforation; operation and recovery. J. R. Army M. Corps, 1904, 3: 655–8.—**Zaffiro, E.** Peritonite da perforazione dell'ileo da tifo. Gior. med. mil., 1947, 94: 402–7.

—— Contagiousness.

Antoniu, I. H. Asupra contaguineĭ directe a febreĭ tifoide. Rev. san. mil., Bucur., 1897–98, 1: 212–6.—**Bonnette.** Prophylaxie de la dothiénentérie dans l'armée; dangers des urines typhoïdiques; bidons démontables. Caducée, Par., 1907, 7: 148. ——— Prophylaxie de la fièvre typhoïde dans l'armée par les bidons démontables. Presse méd., 1907, 15: 115.—**Burke, B. B.** The importance of latrine infection in the spread of enteric fever. J. R. Army M. Corps, 1905, 4: 46–50.—**Butler, C. S.** Danger from typhoid urine in military camps. J. Ass. Mil. Surgeons U. S., 1905, 18: 45–8.—**Fossa Lambert, S.** Del peligro de las orinas de los tifoideos en los campamentos militares. Med. mil. españ., 1905–06, 19: 185; 201.—**Gwyn, N. B.** Note on the disinfection of infected typhoid urines. Johns Hopkins Hosp. Stud. in Typhoid fever, 1901, No. 3, 389–95.—**Knox, E. B.** On the spread of enteric fever by urine and its prophylaxis. J. R. Army M. Corps, 1904, 3: 1–16.—**La Garde, L. A.** Comments on epidemic typhoid with especial reference to contact infection. Mil. Surgeon, 1908, 22: 373.—**Mason, C. F.** Contagion as a factor in the spread of typhoid fever in the military service. J. Am. M. Ass., 1907, 49: 1592.—**Muirhead, W. A.** Latrine infection; suggested remedies. J. R. Army M. Corps, 1911, 17: 173–6.—**Quill, R. H.** The spread of enteric by latrine infection. Ibid., 1905, 4: 809.—**Rainsford, W. J.** Dissemination of enteric fever by means of the urine. Ibid., 1907, 9: 186–9.—**Simon & Dennemark.** Die Ausscheidung von Typhusbazillen in der Rekonvaleszenz. Deut. mil. ärztl. Zschr., 1907, 36: 86–100.—**Wardrop, D.** A case of personal infection in enteric fever. J. R. Army M. Corps, 1907, 8: 537.—**Zorileanu.** Câte-va cuvinte asupra caracteruluĭ contagios al febreĭ tifoide. Rev. san. mil., Bucur., 1897–98, 1: 42–8.

—— Control.

See also other subheadings (Immunization; Prevention)

CANNEY, L. Typhoid, the destroyer of armies, and its abolition. 31p. 12° Lond., 1901.

PRUSSIA. KRIEGSMINISTERIUM. MEDIZINAL-ABTHEILUNG. Entstehung, Verhütung und Bekämpfung des Typhus bei den im Felde stehenden Armeen. 112p. 25cm. Berl., 1900.
Forms H.17, Veröff. Mil. San., 1900.

Brunzlow. Neue Massnahmen zur Bekämpfung des Typhus in ihrer Bedeutung für die Krankenpflege im Frieden und im Kriege. Zschr. Krankenpfl., 1903, 25: 146–9.—**Canney, L.** Typhoid, the destroyer of armies, and its abolition. J. R. Unit. Serv. Inst., 1901, 45: 1452–79.—**Gordon, J. E.** Typhoid and paratyphoid fevers, control of intestinal infections. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 2, No. 3, 1–11, 6 tab., ch.—**Richard.** La lutte contre la fièvre typhoïde dans l'armée et hors l'armée. Actas Congr. internac. hig., (1898) 1900, 9. Congr., 8: 108–12.—**Typhoid,** the destroyer of armies, and its abolition. Lancet, Lond., 1901, 2: 1360–3.

—— Diagnosis.

Carp, I. Despre, valoarea diagnosticuluĭ in febră tifoidă. Rev. san. mil., Bucur., 1898–99, 2: 306–12.—**Gaglazov, B. P.** [Early diagnosis of typhoid fever] Voen. med. J., S. Peterb., 1914, 241: Med. spec. pt, 38–44.—**García Rodríguez, V.** Sobre el diagnóstico de los síndromes tifoides. Med. & cir. guerra, 1946, 8: No. 23, 7–15.—**González Deleito, F.** La fiebre tifoidea y las infecciones afines con ella. Rev. san. mil., Madr., 1907, 1: 5–9.—**Harrison, L. W.** A rapid and practical method of diagnosing typhoid fever. J. R. Army M. Corps, 1906, 7: 126–30. ——— Is simple continued fever enteric fever? Ibid., 1907, 9: 580.—**Iizima, S.** Tyō-typhus ni okeru hisyu no rinsyō-teki kati [Ueber den klinischen Wert der Milzanschwellung bei Typhus abdominalis] Gun idan zassi, 1911, 289–304.—**Krick, J.** Truppenarzt und Typhusdiagnose; nichtklinische Studie. Deut. Militärarzt, 1943, 8: 613–6.—**Marx, E.** Die für das Feldlaboratorium zu wählenden Verfahren des Typhusnachweises. Leuthold Gedanksschr., Berl., 1906, 1: 111–29.—**Mülhens.** Zur Typhusdiagnose im Felde. Med. Klin., Berl., 1915, 11: 302. Also Münch. med. Wschr., 1915, 62: 435; 1070.—**Rhein, M.** Zur Typhusdiagnose im Felde. Ibid., 765.—**Rucker, W. C.** The differential diagnosis of typhoid fever in its earliest stages. J. Ass. Mil. Surgeons U. S., 1904, 15: 169–96.—**Shapiro, S. E.** Osibki diagnostiki brjušnogo tifa na etapakh evakuacii vojskovogo i armejskogo rajonov. Voen. med. J., Moskva, 1945, No. 12, 26–9.—**Smith, F.** The differential diagnosis of typhoid fever in its earliest stages. J. Ass. Mil. Surgeons U. S., 1904, 14: 69; 166.

—— Diagnosis, bacteriological.

See also **Typhoid bacillus,** Cultivation.

Berman, W., Egorow, L. [et al.] [Early bacteriologic diagnosis of abdominal typhoid] Voen. med. J., Moskva, 1932, 3: 296–9.—**Durán de Cottes, J.** Un método de diagnóstico del bacilus Eberth. Rev. san. mil., Madr., 1904, 18: 289–94.—**Hepple, R. A., & Holmes, F.** Isolation of Bacterium typhosum from pleural effusion and sputum in a case of typhoid fever. J. R. Army M. Corps, 1936, 67: 55–7.—**Kisigami, S.** Kōkō-eki baiyō yori kin wo kensyutu-sitaru tyō-typhus no iti rei ni tuite [A case of typhoid fever in which the typhoid bacillus was isolated from the saliva] Kaigun gun ikai zassi, 1939, 28: 869–74.—**Kübler.** Zur Diagnose des Unterleibstyphus durch bakteriologische Urinuntersuchung. Deut. mil. ärztl. Zschr., 1900, 29: 261–5.—**Mazzetti, L.** Valore delle ricerche chimiche,

batteriologiche ed ematiche nella diagnosi della febbre tifoidea Gior. med. mil., 1908, **56**: 881–96.

—— Diagnosis: Serodiagnosis.

Buldygin, S. [Simplified agglutination reaction in typhoid fever and its diagnostic significance, especially for the field surgeon] Voen. san. delo, 1936, No. 9, 24–6.—**Butler, C. S.** Are dead typhoid cultures of value for use on board ship in Widal's reaction? U. S. Nav. M. Bull., 1910, **4**: 222–4.—**Chambers, W. E.** The Widal reaction; findings of clinical interest. U. S. Veterans Bur. M. Bull., 1930, **6**: 387–9.—**Chausov, L. I.** K voprosu o reakcii Widal'a. Voen. med. J., S. Peterb., 1905, **1**: Med. spec. pt, 715–31.—**Dessy, G.** L'agglutinazione serica qualitativa nelle infezioni tifoidee; sua importanza diagnostica e prognostica. Gior. med. mil., 1938, **86**: 864–9.—**G., L.** Le nuove conoscenze sulla costituzione antigene del B. typhi in rapporto alla sierodiagnosi della febbre tifoide ed all'immunologia dell'infezione tifoide. Ann. med. nav., Roma, 1936, **42**: pt 2, 241–7.—**Hünermann.** Ueber den Werth der Widalschen Serumreaktion bei Typhus nach den Erfahrungen an 357 Krankheitsfällen. Deut. mil. ärztl. Zschr., 1901, **30**: 487–501.—**Koike, T.** Tyō-typhus kessei-sindan ron [A discussion of the serodiagnosis of typhoid fever] Gun igakkai zassi, 1899, 433; passim.—**Little, C. J. H.** The Widal reaction in military laboratories; a suggestion. J. R. Army M. Corps, 1927, **49**: 321–5.—**Makarov, G. A.** Vidoizmenenie serodiagnostiki brjušnogo tifa. Izv. Voen. med. akad., S. Peterb., 1904, **9**: 43–5.—**Martineck.** Das Fickersche Typhusdiagnosticum und die technische Ausführung der Gruber-Widalschen Reaktion in der Praxis. Deut. mil. ärztl. Zschr., 190-, **33**: 511–21.—**Martín Salazar, & Durán de Cothes, J.** Un nuevo método de suero-diagnóstico macroscópico de la fiebre tifoidea. Rev. san. mil., Madr., 1904, **18**: 221–39.—**Mirra, G.** L'antigene secco per la siero diagnosi di Widal a bordo delle navi ed in colonia. Ann. med. nav., Roma, 1939, **45**: 28–30. Also Deut. Militärarzt, 1940, **5**: 567 (Abstr.)—**Pegado Junior, D.** Soro-diagnóstico das infecções do grupo tífico em indivíduos vacinados. Rev. med. mil., Rio, 1942, **31**: 429–34.—**Strelkov, A. G.** Sposob proizvodstva kolićestvennoj Widal'jevskoj proby. Voen. med. J., S. Peterb., 1905, **2**: 271–3.—**Whitehead, N. T.** The significance of small-flaking agglutinins in the diagnosis of enteric fever. J. R. Army M. Corps, 1929, **52**: 401–3.—**Wigmore, J. B. A., & Croker, W. P.** A case of typhoid fever with persistent negative Widal reaction. Ibid., 1930, **55**: 445–8.

—— Diagnosis: Tests.

Antonelli, F. La diazoreazione nella diagnosi e nella prognosi della febbre tifoide. Ann. med. nav., Roma, 1901, **7**: 394–407.—**Elliot, J.** Laboratory diagnosis of enteric fever with special reference to the inoculated. J. R. Nav. M. Serv., 1937, **23**: 314–8.—**Large, D. T. M.** Enteric skin reaction. J. R. Army M. Corps, 1926, **47**: 196–201.—**Pokrovsky, G. N.** K voprosu o diazoreakcii pri brjušnom tife. Voen. med. J., S. Peterb., 1903, **81**: pt 3, 246–54.—**Rodríguez González, O.** La reacción de Welchy Stuart en el diagnóstico de la fiebre tifoidea. Rev. san. mil., Habana, 1938, **2**: 262–4.—**Rouget, J.** Séro-pronostic de la fièvre typhoïde. Arch. méd. pharm. mil., 1900, **35**: 191–203.

—— Epidemiology.

Meinicke & Schumacher. Zur Kenntnis der Typhuskontaktepidemien. p.250–324. 23cm. Jena, 1909.

Klin. Jahrb., 1909, **21**:

Arkhipov, A. K voprosu o vlijanii počvy na zabolevaemost brjušnym tifom. Voen. med. J., S. Peterb., 1902, **80**: Med. spec. pt, 1239–45.—**Canney, H. E. L.** The theory of airborne typhoid in armies. Brit. M. J., 1901, **2**: 463–8.—**Childs, C.** Enteric fever amongst armies in the field, from the civilian's point of view. J. San. Inst., Lond., 1902–03, **23**: 377–88; Disc., 402–7.—**Davies, A. M.** The direct transmission of enteric fever, and its prevention by the stamping out method. J. R. Army M. Corps, 1905, **4**: 587; 693.—**Discussion** (A) on enteric fever in its public health aspects. Brit. M. J., 1901, **2**: 389–400.—**Epidemic** (An) of typhoid. Med. Bull. Europ. Command, 1949, **6**: No. 5, 35–40.—**Faichnie, N.** Enteric fever; a water-borne disease. J. R. Army M. Corps, 1906, **6**: 548–60; Disc., 1907, 8: 272–5.—**Firth, R. H.** Enteric fever: a water-borne disease. Ibid., 1906, **7**: 89–91.—**Haines, H. A.** Enteric fever: the water-borne theory. Ibid., 1907, 8: 18–21.—**Hudleston, W. E.** Notes on an epidemic of enteric fever. Ibid., 1908, **10**: 62–7.—**Lafforgue.** Fièvre typhoïde et bains de rivière. Caducée, Par., 1908, 8: 216.—**Loza, J. C.** Epidemiología y profilaxis especial de la fiebre tifoidea. Rev. san. mil. argent., 1949, 48: 111–5.—**Morales Tijerina, M. R.** Epidemiología y profilaxis de las infecciones tíficoparatíficas. San. mil., Méx., 1948, **1**: 122–8.—**Murzin, M. I.** K voprosu o roli zemljanykh rabot v epidemiologii brjušnogo tifa. Voen. med. J., S. Peterb., 1905, **2**: Med. spec. pt, 219–31.—**Pacević, G.** Slućaj zaraźenija brjušnym tifom posredstvom moloka, vypitago iz kružki ot tifoznago bolnogo. Ibid., 1891, **170**: Unoff. pt, 3. sect., 166–8.—**Pungier.** Les moules et la fièvre typhoïde. Arch. méd. nav., Par., 1904, **82**: 463–7.—**Quill, R. H.** Enteric fever: is it invariably a waterborne disease? J. R. Army M. Corps, 1906, **7**: 232–5.—**Rampau, W., Gross, G., & Schmidt, H.** Report of a water-borne typhoid epidemic. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2**: No. 4, 32–6.—**Razi H. Maner** [Bacteriological investigation of fat in the Army and the importance of fat in transmission of typhoid fever] Askerî sıhhiye mecmuası, 1937, **66**: No. 19, 35–7.—**Tooth, H. H.** Some reflections on enteric-fever infection in camps. Practitioner, Lond., 1904, **72**: 47–54.—**Tranchant, L.** Fièvre typhoïde et bains de rivière. Caducée, Par., 1909, **9**: 81.

—— Etiology [historical]

Deutsch, A. Die neueren Erfahrungen über die Entstehung von Abdominaltyphus in der Armee und in der Zivilbevölkerung sowohl infolge von Verunreinigung von Trinkwasser, als infolge von Ansteckung vom sanitätspolizeilichen Standpunkte aus. p.439–92. 23½cm. Brnschw., 1904.

Deut. Vjschr. öff. Gesundhpfl., 1904, **36**:

Charpentier. Contribution à l'étude de l'action de l'encombrement et du surmenage sur la genèse de la fièvre typhoïde. Caducée, Par., 1901, **1**: 17.—**Chupin.** Etiologie de la fièvre typhoïde. Bull. Soc. méd. mil. fr., 1909, **3**: 265–71.—**Collignon, R.** Sur l'étiologie de la fièvre typhoïde. Ibid., 145; 166.—**Delmas.** Considérations sur l'étiologie et la prophylaxie de la fièvre typhoïde dans les expéditions militaires. C. rend. Congr. internat. méd. (1900) 1901, 13. Congr., Sect. méd. chir. mil., 236–47.—**Discussion** sur l'étiologie de la fièvre typhoïde. Bull. Soc. méd. mil. fr., 1909, **3**: 205; passim.—**Dupard.** Étiologie de la fièvre typhoïde. Ibid., 471–80.—**Etiology** (The) and prophylaxis of enteric fever in armies on field service. Lancet, Lond., 1902, **2**: 890.—**Ettinger, I.** Asupra unuĭ caz de febră tifoidă emoragică cu stafilococie şi colibacilosă. Rev. san. mil., Bucur., 1902–03, **6**: 143–55.—**Firth, R. H.** Note on an unusual cause of enteric fever infection. J. R. Army M. Corps, 1905, **4**: 55–7.—**Granjux.** Du rôle des casernes dans la genèse de la fièvre typhoïde. Bull. méd., Par., 1901, **15**: 177–81. ——— Lettre ouverte à M. le professeur Debove; les causes occasionnelles de la fièvre typhoïde chez les jeunes soldats. Caducée, Par., 1904, **4**: 85–7. ——— Le rôle de la contagion interhumaine dans la genèse de la fièvre typhoïde dans l'armée. Bull. méd., Par., 1908, **22**: 502.—**Harrison, W. S., & Fraser, A. D.** Typhoid bacilli and the water-bottle. J. R. Army M. Corps, 1908, **10**: 133.—**Job, E.** La fièvre typhoïde dans l'armée; ses causes. Arch. méd. pharm. mil., 1906, **47**: 1–35.—**Jurgens.** Typhus ohne Ebertsche Bazillen. Allg. mil. ärztl. Ztg, Wien, 1904, 14.—**Kelsch, A.** Les causes occasionnelles de la fièvre typhoïde chez les jeunes soldats. Caducée, Par., 1904, **4**: 99–101.—**Noel.** A propos de l'origine de la fièvre typhoïde dans l'armée. Bull. méd., Par., 1908, **22**: 950–2.—**Quill, R. H.** Enteric fever: is it invariably a water-borne disease? J. R. Army M. Corps, 1907, **8**: 515–7.—**Raptchevsky, J. de.** L'étiologie et la prophylaxie de la fièvre typhoïde dans les armées en campagne. C. rend. Congr. internat. méd. (1900) 1901, 13. Congr., Sect. méd. chir. mil., 9–22.—**Sacquépée.** Etiologie de la fièvre typhoïde. Bull. Soc. méd. mil. fr., 1910, **4**: 35; 55.—**Scherjning.** De la naissance de la fièvre typhoïde dans les armées en campagne, moyens de la prévenir et de la combattre. C. rend. Congr. internat. méd. (1900) 1901, 13. Congr., Sect. méd. chir. mil., 22–6.—**Schüttelaere, de** [et al.] Etiologie de la fièvre typhoïde. Bull. Soc. méd. mil. fr., 1909, **3**: 183–91.—**Sforza, C.** Etiologia e profilassi della febbre tifoide negli eserciti in campagna. Riv. internaz. ig., 1900, **11**: 424–38.—**Simonin, J.** L'eau des casernes et la fièvre typhoïde. Bull. méd., Par., 1905, **19**: 1021–4. Also Hyg. mod., Par., 1906, 55–63.—**Simpson, R. J. S.** Local influences in enteric fever, and their investigation. J. R. Army M. Corps, 1905, **4**: 413–7.—**Statham, J. C. B.** The complex nature of typhoid etiology, and the rôle played by animals and man in the spread of the typhoid group of diseases. Ibid., 1908, **11**: 351–67.—**Talayrach.** La pluralité des fièvres typhoïdes. Arch. méd. pharm. mil., 1904, **43**: 80–3.—**Vincent.** Etiologie et prophylaxie de la fièvre typhoïde dans les armées en campagne. C. rend. Congr. in ternat. méd. (1900) 1901, 13. Congr., Sect. méd. chir. mil., 26–41.

—— Hematology.

Harrison, W. S. On the phagocytosis of typhoid bacteria. J. R. Army M. Corps, 1906, **7**: 322–7.—**Muehleck, G. A.** Results of the examination of the blood of ninety soldiers ill with typhoid at the St. Agnes Hospital. Tr. Coll. Physicians Philadelphia, 1899, 3 ser., **21**: 64–75.—**Petrov, V. F.** O piščevaritelnom leikocitoze u brjušno-tifoznykh bolnykh. Izv. Voen. med. akad., S. Peterb., 1904, **8**: 150; 275.—**Troussaint.** Hypoleucocytose et infection sanguine éberthienne. Arch. méd. pharm. mil., 1902, **40**: 236–40.—**Widenmann.** Die hämatologische Diagnose des Unterleibstyphus. Deut. mil. ärztl. Zschr., 1901, **30**: 44; 65.

—— Immunization and vaccination.

See also **Typhoid vaccine.**

Grixoni, G. La difesa contro il tifo (vaccinazioni) 2. ed. 27p. 16° Milano, 1915.

Forms No. 3, of Probl. san. guerra.

United States. Army Medical School. Research Laboratories. Immunization to typhoid fever. 276p. 23½cm. Balt., 1941.

Abe, Z. [Ueber die Schutzimpfung bei Typhus abdominalis] Gun idan zassi, 1911, Suppl., 15.—**Anti-typhoid** inoculation in the field. Hospital, Lond., 1914–15, **57**: 373.—**Batson, H. C.** Active immunization against typhoid with the hypospray jet injector. Annual Rep. Com. Immuniz. U. S. Army, 1949, 41–6.—**Bijl, J. P.** De methoden der antityphusimmunisatie en hunne waarde in tijd van oorlog. Mil. geneesk. tschr., 1909, **13**: 2–19.—**Buist, H. J. M.** Anti-typhoid inoculation. J. R. Army M. Corps, 1907, **9**: 613–22.—**Corker, T. M.** The definition of a unit's protection by anti typhoid inoculation. Ibid., 1911, **16**: 408–11.—**Cox, W. C.** Typhoid and typhoid vaccination. In: Med. Mil. Sympos. (Kans. City S. W. Clin. Soc.) 1934, 107–8.—**De Alessi, E.** Vaccinazione antitifica per inalazione. Gior. med. mil., 1936, **84**: 114–24.—**García Rodríguez, V.** Técnicas de vacunación antitífica. Med. & cir. guerra, 1947, **9**: 330; 401.—**Granjux.** La vaccination antityphoïdique. Caducée, Par., 1912, **12**: 5. ——— La vaccination antityphoïdique doit-elle être obligatoire dans l'armée de l'intérieur? Bull. méd., Par., 1914, **28**: 207–10.—**Hints** on antityphoid inoculation of troops. Brit. M. J., **1**: 865.—**Janssen.** La phase négative dans la vaccination antityphoïdique. Caducée, Par., 1915, **15**: 145.—**Kostić, D.** [Principles of prophylactic and therapeutic use of vaccines in typhoid fever] Voj. san. glasnik, 1935, **6**: 561–8.—**Leishman, W.** Anti-typhoid inoculation. Tr. Internat. Congr. Med. (1913) 1914, 17. Congr., Sect. **20**: Nav. Mil. Med., pt 2, 51–68.—**Martín Salazar, M.** La lucha contra la fiebre tifoïdea. Rev. san. mil., Madr., 1912, 3. ser., **2**: 196; 221.—**Mennonna, G.** Della vaccinazione antifica mediante frizioni cutanee. Gior. med. mil., 1934, **82**: 13–26.—**Oliaro, G.** Le vaccinazioni preventive antitifiche durante la grande guerra. Minerva med., Tor., 1935, **26**: pt 1, 742–4.—**Ottolenghi, D., Giovanardi, A., & Massa, F.** Vaccinazioni antibatteriche e microbismo latente. Gior. med. mil., 1935, **83**: 428–33.—**Perry, H. M., Findlay, H. T., & Bensted, H. J.** Antityphoid inoculation; the rôle of bacterium typhosum, strain Rawlings. J. R. Army M. Corps, 1933, **60**: 241–54. ——— Observations on the variation of Bact. typhosum in vivo. Ibid., **61**: 81–9, pl. ——— Observations relative to the immunological value of different cultures of Bacterium typhosum. Ibid., 1934, **63**: 1–12.—**Piedrola Gil, G.** Vacuna y vacunación. Ejército, 1942, No. 33, 60–4.—**Preventive** immunization in the war. Mulford Dig., Phila., 1915–16, **3**: 1–5.—**Stuhl, C.** Typhusschutzimpfung und Phagozytose. Münch. med. Wschr., 1918, **65**: 614.—**Vaccinazione** (La) contro la febbre tifoide in tempo di guerra. Rass. san. Roma, 1915, **13**: 85–7.—**Vidal.** Contribution à l'étude de l'immunité de la race arabe à l'égard de la fiévre typhoïde. Arch. méd. pharm. mil., 1903, **42**: 438–43.—**Vincent, H.** Sur l'immunité de la race arabe à l'égard de la fiévre typhoïde; recherche de la séro-réaction. Ibid., 1901, **37**: 145–52.—**Vincent, M.** Los métodas de vacunación antitífica; su empleo en el Ejército. Bol. san. mil., B. Air., 1909, **8**: 148–75.—**Wilson, E. H.** Anti-typhoid inoculations. J. Ass. Mil. Surgeons U. S., 1903, **13**: 79–84.

—— Immunization and vaccination: Mixed antigen.

Masuda, T. Tyō-typhus, B-kei paratyphus yobō sessyu-go ni okeru kessei gyōsyū-ka no syōtyō ni tuite [Changes in the serum agglutination value after prophylactic vaccination against typhoid and B-type paratyphoid fever] p. 1343–403. 22cm. Tōkyō, 1929.

Gun idan zassi, 1929.

—— & Takatu, T. Typhus, paratyphus yobō sessyu no kesseigaku-teki kenkyū [Ein serologisches Studium über die Schutzimpfung gegen den Typhus und Paratyphus] p. 183–236. 26cm. Tōkyō, 1931.

Gun idan zassi, 1931.

Castellani, A. La profilassi antitifica con vaccini misti per il tifo e il paratifo. Ann. med. nav., Roma, 1914, **20**: 125–31.—**Cernozubov, N.** Današnje stanje, praktična vrednost i perspektive vakcinacije protiv trbušnog tifusa i paratifusa. Voj. san. pregl., Beogr., 1948, **5**: 353–63.—**Cheyrou.** A propos des vaccinations antityphoïdiques et antiparatyphiques. Caducée, Par., 1917, **17**: 65.—**Costa, F.** Sul comportamento delle agglutinine nel siero di individui rivaccinati con dosi elevate di lipovaccino T. A. B. Gior. med. mil., 1930, **78**: 365–7.—**Gori, D.** Osservazioni sul potere agglutinante del siero di vaccinati con il T. A. B. Te sugli antigeni delle S. typhi, S. paratyphi A., S. paratyphi B. e sulla S. paratyphi N_2. Ibid., 1942, **90**: 818–25.—**Goudet.** Contribution à l'étude du pronostic éloigné des accidents rénaux de la vaccination antityphoparatyphoïdique. Bull. Soc. méd. mil. fr., 1939, **33**: 217–9.—**Gronchi, V.** Sul valore dei vaccini antitifo-paratifici, con speciale riguardo alla profilassi immunitaria negli eserciti. Boll. Ist. sieroter. milan., 1929, **8**: 303–19.—**Grumbach, A.** Zur Diskussion über den Wert der Typhus-Paratyphus-Impfung. Schweiz. med. Wschr., 1941, **71**: 468.—**Henri, Guilleman, & Passa.** Les réactions vaccinales bénignes au cours des vaccinations associées. Bull. Soc. méd. mil. fr., 1935, **29**: 55–64.—**Hjortsjö, C. H.** [What discomforts could be expected following inoculation against typhoid and paratyphoid A and B?] Tskr. mil. hälsov., 1940, **65**: 152–73.—**Ikeda, K.** Kokugun heisi no yobō-sessyu-go ni okeru men-eki-ryoku no syōtyō ni tuite; typhus, paratyphus A, B kongō sessyu-eki no gyōsyū-ka [Variations in immunity in native (Manchurian) soldiers after inoculation; the agglutination value of a mixed typhoid and paratyphoid A and B vaccine] Tyōsen igakkai zassi, 1940, **30**: 1637.—**Lande, P.** Vaccination contre les infections typhoïdes et paratyphoïdes et paiudisme. Caducée, Par., 1916, **16**: 169.—**Maruyama, T.** Typhus-paratyphus kongō yobō sessyu hannōsyō no byōri-kaibōgaku [Die pathologische Anatomie bei den Fällen von Ueberempfindlichkeit für die kombinierte Schutzimpfung gegen Typhus und Paratyphus B] Gun idan zassi, 1917, 731–61, 3 pl.—**Mikhajlova, Z.** [Single vaccination against typhoid and paratyphoid] Voen. san. delo, 1936, No. 7, 3–11.—**Musotto, F.** Contributo allo studio della sierologia dei vaccinati sani ed ammalati d'infezioni tifoparatifiche. Gior. med. mil., 1949, **96**: 568–92.—**Nanni, C., & De Alessi, E.** Richerche sui vaccinati e rivaccinati con vaccino formolato T. A. B. Ibid. 1936, **84**: 9–30.—**Note** on triple typhoid vaccination. Army M. Bull., 1922, No. 4, 136.—**Onoki, T., & Hatano, Y.** Tyōtyphus, paratyphus A- oyobi B-kei kongō yobō sessyu narabini tyō-typhus, paratyphus B-kei kongō yobō sessyu zen-go ni okeru Widal hannō no syōtyō ni tuite [Mixed prophylactic inoculation with typhoid and paratyphoid Types A and B, and variations in Widal's reaction before and after mixed typhoid-paratyphoid Type B prophylactic inoculation] Gun idan zassi, 1929, 461–86.—**Piazza, G., Adorni, M., & Furbetta, F.** Controllo sierologico dei risultati della vaccinazione antitifo-paratifica-tetanica per via ipodermica; le proprietà agglutinanti del siero dei vaccinati ricercate con sospensioni di germi vivi e con sospensioni O ed H. Gior. med. mil., 1940, **88**: 805–32. ——— La reazione di fissazione del complemento e il potere battericida del siero dei vaccinati. Ibid., 888–916. ——— Il potere protettivo per l'infezione tifoide sperimentale e il contenuto in antitossina tetanica nel siero dei vaccinati; considerazioni generali su tutte le ricerche eseguite. Ibid., 1941, **89**: 26–48.—**Regamey, R., & Grumbach, A.** Untersuchungen über den durch die T. P. T.-Impfung verliehenen Impfschutz und den Einfluss der T. P. T.-Impfung auf die serologische Typhusdiagnostik. Schweiz. med. Wschr., 1941, **71**: 463–8.—**Reitani, U.** Sul valore dell'intradermoreazione col filtrato di brodocultura di Bacilli tifici e paratifici nei militari prima e dopo la vaccinazione antifica. Gior. med. mil., 1930, **78**: 99.—**Rodrigues, J. F.** Da vacinaçao mixta anti-tetanica-anti-tifica no Exercito. Rev. med. mil., Rio, 1937, **26**: 318–20.—**Sartorius, F., & Clauberg, K. W.** Experimentelle Untersuchungen über aktive Schutzimpfung gegen Typhus und Ruhr, zugleich ein Beitrag zur Frage der kombinierten Impfung unter Einschluss des Tetanusschutzes. Meut. Militärarzt, 1941, **6**: 90–4.—**Schöne.** Typhus- und Paratyphus-Erfahrungen, insbesondere Krankheitsverlauf nach Impfungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 156–62. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 6, 184–91.—**Takahara, B.** Tyō-typhus, paratyphus A- oyobi B-kei kongō yobō sessyu hannō syōzyō ni tuite [Symptoms of reaction to vaccination with a mixture of typhoid and paratyphoid A and B types] Gun idan zassi, 1929, 445–59, tab.—**Tasiro, Y.** Typhus-zoku yobō sessyu-go ni okeru kessei no gyōsyū hannō oyobi kansen bōgyo-ryoku ni kan-suru zikkenteki kenkyū [Experimental studies on the agglutinating power and the power of protection against infection of serum from men immunized with mixed vaccine of typhoid and paratyphoid bacilli] Kaigun gun-ikai zassi, 1939, **28**: 177; 232; 408.—**Vairel, J.** Au sujet de deux réactions consécutives à la vaccination mixte: antitypho-paratyphique-antidiphtérique. Bull. Soc. méd. mil. fr., 1936, **30**: 416–9.

—— Immunization and vaccination: Reinoculation.

Bolzinger, R., & Villequez, B. Un cas d'érythrodermie consécutive à une revaccination antitypho-paratyphique. Bull. Soc. méd. mil. fr., 1936, **30**: 347.—**Ferrajoli, F.** Rivaccinazione per via orale contro il tifo e i paratifi. Gior. med. mil., 1948, **95**: 179–98.—**Langrishe, J. du P.** Note on re-inoculation against typhoid fever. J. R. Army M. Corps, 1910, **15**: 731.—**Verdelet, L., & Lande, P.** Revaccinations antitypho-paratyphiques. Caducée, Par., 1917, **17**: 108.

—— Immunization and vaccination: Results.

Leishman, W. B. Report on the blood changes following typhoid inoculation. 49p. 8°. Lond., 1905.

Gt Britain War Off. Anti-Typhoid Inocul. Comm. Rep. Also in J. R. Army M. Corps, 1905, **5**: 1–53.

Lohmann, F. W. *Der Einfluss der Typhusschutzimpfung auf Morbidität und Mortalität des Typhus in den Vorkriegs-, Kriegs- und Nachkriegsjahren; ein Beitrag zur Frage der Typhusschutzimpfung. 35p. 8°. Bonn, 1927.

Schmitt, A. *Ueber den Verlauf des Typhus abdominalis bei Kriegsteilnehmern nach voraus-

gegangener Typhusschutzimpfung. 59p. 8°. Erlangen, 1919.

Bruce, D. Analysis of the results of Professor Wright's method of anti-typhoid inoculation. J. R. Army M. Corps, 1905, **4**: 244–55.—**Burrage, T. J.** Typhoid fever in the vaccinated. Mil. Surgeon, 1932, **70**: 231–7.—**Butzke, E. J.** Occurrence of typhoid fever after prophylactic inoculation. Med. Bull. Veterans Admin., 1934–35, **11**: 24.—**Coburn, H. C.**, jr, **Ostrander, F. R.**, & **Gillespie, J. O.** Typhoid fever in the vaccinated. Mil. Surgeon, 1935, **76**: 133–7.—**Elledge, L. C.**, **Kennedy, M. A.** [et al.] Comparative study of immunity produced in typhoid and associated diseases by subcutaneous and oral vaccinations. Med. Bull. Veterans Admin., 1943–44, **20**: 56.—**Harrison, W. S.** Report on the results of experiments in connection with anti-typhoid vaccine. J. R. Army M. Corps, 1907, **8**: 472–91.—**Hasimoto, S.**, & **Tuda, Y.** Tuberculin tyūsya no typhus men-eki gyōsyūso sansei ni oyobosu eikyō [The effect of tuberculin injection on the production of the agglutinin as an antityphoid immune body] Kaigun gun ikai zassi, 1939, **28**: 482–8.—**Kohasi, N.** Yobō sessyu-tyū ni hatubyōsitaru saikingaku-teki kyōmi-aru tyō-typhus kanzya no iti rei [A typhoid case of bacteriological interest that developed during prophylactic vaccination] Gun idan zassi, 1929, 839–70.—**Krasnopolksy, E. K.** K voprosu o reakcii Vidalja u privitykh. Voen. san. delo, 1941, No. 3, 35–7.—**Krtička, F.** [Case of atypical course of typhoid fever from the effect of parenteral application of O+5ccm mixed bacterin in the prodromal state] Voj. zdrav. listy, 1933, **9**: 87–92.—**Lascalea, M. C.**, & **Mosto, O. V.** Tasas de aglutinación para el bacilo Eberth en vacunados. Rev. san. mil., B. Air., 1941, **40**: 508–10.—**Leishman, W. B.** [et al.] Report on further experiments in connection with anti-typhoid inoculation. J. R. Army M. Corps, 1908, **10**: 583–601. ——— Third report on experiments in connection with anti-typhoid vaccine. Ibid., **11**: 327–50.—**Lyster, W. J. L.** A statement of recent instance of protection from typhoid by inoculation. Mil. Surgeon, 1911, **28**: 528.—**Macarthur, W. P.** A note of three cases of enteric fever inoculated during the incubation period. J. R. Army M. Corps, 1914, **22**: 695–7.—**Martín Salazar, M.** Critica del estado actual de la vacunación antitifica. Rev. san. mil., Madr., 1915, 3. ser., **5**: 429; passim.—**Moses, A.** Da vaccinação antityphica; vantagens e consequencias. Rev. med. hyg. mil., Rio, 1921, **7**: 45–61.—**Mosto, O. V.** Aglutininas somáticas y ciliares para el bacterio de Eberth en individuos vacunados y no vacunados. Rev. san. mil., B. Air., 1940, **39**: 678–703.—**Nitsch, R.** [Remarks concerning the work of Luvkowski and Kon: Epidemic of typhoid fever among subjects with preventive vaccination and personal remarks on vaccination against typhoid fever] Lek. wojsk., 1932, **19**: 541–7.—**Panina, A. I.**, & **Kosterev, S. A.** [Effect of combined typhoid and paratyphoid vaccination on Schick and Dick tests in adults] Voen. med. J., Moskva, 1931, **2**: 517–21.—**Scott, W. I. D.** Typhoid infection in the inoculated. J. R. Nav. M. Serv., 1943, **29**: 198–202.—**Siler, J. F.** Discussion of some of the elements of immunity with particular reference to results obtained in experimental studies of strains of E. typhosa. Mil. Surgeon, 1939, **85**: 23–50. ——— **Dunham, G. C.** [et al.] Protective antibodies in the blood serum of individuals after immunization with typhoid vaccine. Ibid., 1937, **80**: 91–104.—**Smallman, A. B.** Upon the active immunisation of experimental animals with typhoid cell juices. J. R. Army M. Corps, 1905, **4**: 424–39.—**Thone.** Nouvelles données pratiques au sujet de la vaccination antityphique à l'armée. Arch. belg. méd. mil., 1938, **91**: 69–81.—**Tullis, J. L.** Typhoid in previously immunized subjects; report of seven cases with discussion of diagnosis, clinical course and complications. War Med., Chic., 1945, **7**: 95–9.—**Whitehead, N. T.** The flocculer and granular agglutinins in typhoid fever. J. R. Army M. Corps, 1930, **55**: 81–7.—**Zurkowski, J.**, & **Kon, M.** [Epidemic of typhoid fever after preventive inoculation] Lek. wojsk., 1932, **9**: 113–20.—**Zurkowski, J.**, & **Molka, A.** [Value of anti-typhoid vaccinations] Ibid., 1934, **23**: 472–9.

—— Immunization and vaccination: Untoward effects.

Bowers, W. F., & **Shupe, L.** Acute appendicitis; a sequela of typhoid inoculation. Mil. Surgeon, 1942, **90**: 413–8.—**Cybulski, A.** [Reactions after vaccination against typhoid fever] Lek. wojsk., 1932, **19**: 10–5.—**Henri.** Néphrite vaccinale. Bull. Soc. méd. mil. fr., 1934, **28**: 272–9.—**Jedlowski, P.** Osservazioni casistiche sulla più recente comparsa di vaselinomi nei militari sottoposti alla vaccinazione antitifica. Arch. antrop. crim., Tor., 1930, **50**: Suppl., 1527–35.—**Müller, K. H.** Nervous complications following antityphoid inoculation. Bull. War M., Lond., 1941–42, **2**: 152 (Abstr.)—**Phelps, J. R.**, & **Clark, G. F.** Clinical symptoms appearing immediately after antityphoid inoculation. U. S. Nav. M. Bull., 1911, **5**: 336–8.—**Tanbara, T.** Tyō-typhus yobō sessyu-go kyūsoku ni si no tenki wo toritaru iti rei [A case of sudden death after prophylactic typhoid vaccination] Gun idan zassi, 1929, Suppl., 350–60.—**Verdelet, L.** Traumatisme et vaccination antityphoïdique. Caducée, Par., 1915, **15**: 29.—**Znamensky, G. A.** [Possible complications in typhoid inoculations] Voen. san. delo, 1937, No 3, 49–52.

—— Incidence.

Biddle, T. C. Typhoid fever in the tropics. J. Ass. Mil. Surgeons, U. S., 1904, **15**: 103–6.—**Chalmers, A. K.** Enteric fever on board ship. Pub. Health, Lond., 1908–09, **22**: 135–9.—**Just, T. H.** A survey of the results obtained during six months of enteric bacteriology at a general hospital. J. R. Army M. Corps, 1916, **26**: 50–63.

—— Pathology.

Brancato, F. Influenza delle tossine tifiche sul tasso di glucosio del sangue. Ann. med. nav., Roma, 1932, **38**: 415–24.—**Costescu, P.**, & **Tudor, A.** Ulcer cronic al gambei, consecutiv unei arterite post-tifică, vindecat prin extirparea simpaticului ganglionar lombar. Rev. san. mil., Bucur., 1935, **34**: 299–303, illust.—**Edye, J. S.** A few notes on enteric fever. J. R. Army M. Corps, 1905, **4**: 303–12.—**Frangulea, N.** Patogeniea febrel tifoide şi erorile teoriel microbiene actuale. Rev. san. mil., Bucur., 1899–1900, **3**: 390; 483.—**Rho, F.** I moderni concetti sull'infezione tifica. Ann. med. nav., Roma, 1907, **13**: pt 2, 489–523.

—— Prevention.

See also other subheadings (Immunization and vaccination) also **Typhoid vaccine.**

Bassett-Smith, P. W. Typhoid and its prevention. J. R. Nav. M. Serv., 1915, **1**: 49–54.—**Canney, H. E. L.** The prevention of typhoid fever in armies. Tr. M. Soc. London, 1902–03, **26**: 15–54. Also Lancet, Lond., 1902, **2**: 1742–6.—**Childs, C.** The prevention of enteric fever in Armies. Brit. M. J., 1902, **1**: 237; 643.—**Ferrier.** Tentatives récentes relatives à la prophylaxie de la fièvre typhoïde dans les armées en campagne. Caducée, Par., 1901, **1**: 75–8.—**Fischer, G.** Instrucciones para la profilaxia de la fiebre tifoidea. Bol. san. mil., B. Air., 1910, **9**: 71–8.—**Granjux.** La doctrine et la pratique dans le prophylaxie de la fièvre typhoïde dans l'armée. Bull. méd., Par., 1910, **24**: 11–4.—**Keefer, F. R.** The prevention of typhoid fever. Mil. Surgeon, 1911, **28**: 288–94.—**Kramer, S. P.** Concerning the prevention of typhoid in military practice. Med. Brief. S. Louis, 1907, **35**: 104.—**Lazaró, A. F.** Profilaxis de la fiebre tifoidea. Rev. san. mil., B. Air., 1935, **34**: 483.—**Leake, G. D. N.** The prevention of enteric fever in armies. Brit. M. J., 1902, **1**: 386.—**Parkes, L.**, & **Rideal, S.** A suggested method of preventing water-borne enteric fever amongst armies in the field. Tr. Epidem. Soc. London, 1900–01, n. ser., **20**: 33–47. Also Lancet, Lond., 1901, **1**: 234–7. Also San. Rec., Lond., 1901, n. ser., **27**: 63; 87.—**Prevention** (The) of enteric fever in armies. Brit. M. J., 1901, **2**: 1478–80.—**Prevention** and treatment of enteric fever. J. R. Army M. Corps, 1909, **12**: 168–9.—**Prevention** (The) of water-borne enteric fever among soldiers and other persons [Edit.] Sanitarian, N. Y., 1901, **46**: 395–400.—**Prophylaxie** de la fièvre typhoide dans l'armée. Bull. méd., Par., 1908, **22**: 225–8.—**Reactions** to typhoid prophylaxis. Statist. Navy M., 1946, **2**: No. 9, 8.—**Rosental, L. S.** Profilaktika brjušnogo tifa. Tr. Vrem. med. obshch. Daln. Vost., Kharbin, 1904, **1**: pt 2, 33–6.—**Rubiano, S.** La profilaxis de la fiebre tifoidea en el Ejército. Siglo méd., 1910, **57**: 691–3.—**Russell, F. F.** The prevention of typhoid fever by vaccination and by early diagnosis and isolation. Mil. Surgeon, 1909, **24**: 479–518.—**Sujet** (Au) de la prophylaxie de la fièvre typhoïde dans l'Armée. Bull. méd., Par., 1909, **23**: 1175.—**Whittington, R.** Enteric fever; prophylactic measures in armies. Treatment, Lond., 1902–03, **6**: 571–92.

—— Prognosis.

Minutillo, S. Tifo ambulatorio con morte improvvisa. Ann. med. nav., Roma, 1901, **7**: 408–17.—**Stitt, E. R.** A case of atypic typhoid with sudden death. U. S. Nav. M. Bull., 1910, **4**: 515.

—— Surgical aspect.

Chastang, L. Fièvre typhoïde et abcès de fixation. Arch. méd. nav., Par., 1906, **85**: 426–32.—**Rukovich, I. K.** Sposoby khirurgičeskago lečenija nekotorykh osložnenij brjušnogo tifa. Voen. med. J., S. Peterb., 1905, **2**: Med. spec. pt, 467–77.—**Toubert.** A propos du traitement chirurgical des perforations intestinales typhoïdiques. Bull. Soc. méd. mil. fr., 1933, **27**: 269.

—— Treatment.

Amo y Slocker, J. Algunas consideraciones sobre el tratamiento de la fiebre tifoidea. Rev. san. mil., Madr., 1914, 3. ser., **4**: 57–62.—**Gunn, W.** Treatment of typhoid fever in the services. Med. Press & Circ., Lond., 1943, **210**: 44–7.—**Iwazaki, S.** Zi Meizi 27-nen itigatu si dō 38-nen sangatu Sasebo Kaigun byōin nyūin tyō-typhus kanzya 245 syō ni tuite [Cases (245) of typhoid fever cared for in the Sasebo Naval Hospital from January 1894 to March 1905] Tōkyō izi sinsi, 1906, 403–9.—**Kharitonov, L. V.** Lećenie brjušnogo tifa na vojne. Voen. med. J., S. Peterb., 1903, **3**: Med. spec. pt, 716–20.—**Mendez, J.** El remedio tífico de la fiebre tifóidea. An. san. mil., B. Air., 1902, **4**: 1039–53.—**Simonin, J.** Fièvre typhoïde et balnéothérapie dans les hôpitaux militaires. Caducée, Par., 1905, **5**: 229–31.—**Tatarelli, L.** Terapia della febbre tifoide. Gior. med. mil., 1931, **79**: 294–8.

—— Treatment: Antibiotics.

United States. Army. Surgeon General's Office. Chloromycetin; the role of the Army

Medical Department in its use in rickettsial diseases and typhoid fever. 11 l. 27cm. Wash., 1949.

Ors, J. P. d'. Fiebre tifoidea tratada con chloromycetin; nota clínica médica. Med. & cir. guerra, 1949, **11:** 463.—**Parsons, C. G.** Penicillin and sulphonamides in typhoid fever; experience of physicians in military hospitals in the Middle East. Lancet, Lond., 1948, **1:** 510–3.—**Pecorella, M., & Scaduto, P.** Due casi di febbre tifoide trattati con la cloromicetina. Gior. med. mil., 1949, **96:** 508–10.—**Pulaski, E. J., & Amspacher, W. H.** Streptomycin therapy in typhoid infections. Bull. U. S. Army M. Dep., 1947, **7:** 101–7.—**Simmonel.** A propos de deux cas de fièvre typhoïde traités par la streptomycine. Bull. Soc. méd. mil. fr., 1949, **43:** 45.—**Vitiello, M., & Leonardi, G.** Osservazioni cliniche sull'impiego della cloromicetina nella terapia della febbre tifoide. Ann. med. nav., Roma, 1949, **54:** 306–15, 3 ch.

—— Treatment: Diet.

Birrell, E. T. F. A note on the use of lime juice in enteric fever. J. R. Army M. Corps, 1906, **7:** 177.—**Carvalho, A. J. de.** O regime alimentar na febre tifoide. Rev. med. mil., Rio, 1942, **31:** 479–84.—**Cree, G., & Carter, G. B.** The treatment of enteric fever by the empty bowel method. J. R. Army M. Corps, 1907, **8:** 164–70.—**Gall, H.** A note on a case of enteric fever fed in an experimental manner. Ibid., 1932, **58:** 216–9.—**Swabey, L. W.** Report on the use of whey in enteric fever. Ibid., 1907, **9:** 403–5.—**Tanaka, Y.** Tyō-typhus byōsya no ni-san insyokumotu ni tuite [A few articles of food and drink for typhoid fever patients] Gun igakkai zassi, 1901, 795–802.

—— Treatment: Methods.

Alderman, C. G. Treatment of typhoid fever by colon irrigations. U. S. Nav. M. Bull., 1909, **3:** 124–8.—**Amuchastegui, A.** El tratamiento de la fiebre tifoidea en la Casa de Aislamiento. Bol. san. mil., B. Air., 1909, **8:** 133–5.—**Baker, M. W.** The recent advances in the prophylaxis and treatment of typhoid fever. U. S. Nav. M. Bull., 1912, **6:** 62–8.—**Bower, A. G.** Modern treatment of typhoid fever. Mil. Surgeon, 1938, **83:** 70–5.—**Boyé, J.** La réfrigeration systématique de l'abdomen dans le traitement de la fièvre typhoïde. Arch. méd. pharm. mil., 1911, **57:** 210–9.—**Cazamian.** De l'action hémostatique du sérum antidiphtérique dans les entérorragies typhiques. Arch. méd. nav., Par., 1909, **91:** 95–109.—**Cree, G.** Traitement à vide of enteric fever. J. R. Army M. Corps, 1909, **13:** 194–7.—**Durán, J.** Bases de una terapéutica racional en la fiebre tifoidea. Rev. san. mil., Madr., 1907, **1:** 33–42.—**Forman, R. H., & Selby, R.** On the symptomatic treatment of enteric fever. J. R. Army M. Corps, 1906, **7:** 446–54.—**Hamburger, F., & Labor, M.** Körperübungen bei Typhusrekonvaleszenten. Militärarzt, Wien, 1916, **50:** 3–9.—**Harding, N. E.** Traitement à vide on enteric fever. J. R. Army M. Corps, 1909, **13:** 425–8.—**Jaworski, C.** [Fièvre typhoïde traité par le néosalvarsan] Lek. wojsk., 1932, **20:** 569; 728.—**Johnson, H. P.** A note on the traitement a vide of enteric fever: with remarks by W. Ewart. J. R. Army M. Corps, 1908, **11:** 402–5.—**Pastor Pérez, J.** Un tratamiento de la fiebre tifoidea, sin balneación. Rev. san. mil., Madr., 1913, 3. ser., **3:** 421–6.—**Sivercev, D. I.** O lečenii brjušnogo tifa 1%-noj khloroformnoj vodoj. Voen. med. J., S. Peterb., 1900, **78:** Med. spec. pt, 80–6.—**Smith, G. T.** The ice bag in the treatment of typhoid fever. U. S. Nav. M. Bull., 1909, **3:** 122–4.

—— Treatment: Serotherapy and vaccine.

Berngov, F. [Oral use of Besredka vaccine in tablets, against typhoid fever and paratyphoid] Voen. san. delo, 1929, No. 4, 49–51.—**Birt, C.** On the treatment of enteric fever with typhoid vaccine. J. R. Army M. Corps, 1906, **7:** 271–8.—**Carr, H., & Macarthur, H. D. C.** Two cases of enteric fever treated by anti-typhoid vaccine. Ibid., 1912, **19:** 89–91.—**Crosthwait, W. S.** Notes on a case of enteric fever which had received a first dose (0.5 cc.) of anti-typhoid serum. Ibid., 1908, **10:** 87.—**Degl'Incerti Tocci, E.** Studio bio-fisiologico sulla vaccinoterapia endovenosa nella infezione eberthiana. Gior. med. mil., 1949, **96:** 160–5.—**Dewar, H. A.** Treatment of typhoid fever with convalescent whole blood. J. R. Army M. Corps, 1946, **86:** 249–53.—**G.** La sérothérapie de la fièvre typhoïde. Caducée, Par., 1906, **6:** 79.—**Kennedy, J. C.** A case of enteric fever treated with vaccine. J. R. Army M. Corps, 1909, **13:** 286–9.—**Love, J., & Driscoll, R. H.** Anaphylactoid (Sanarelli-Shwartzman) reaction following therapeutic antityphoid injections; with report of fatal case. U. S. Nav. M. Bull., 1945, **45:** 1104–10.—**Pollock, C. E.** A case of enteric fever treated by vaccination. J. R. Army M. Corps, 1911, **16:** 653.—**Smallman, A. B.** Preliminary note on the use of antityphoid vaccine in the treatment of enteric fever. Ibid., 1909, **12:** 136–46.—**Transfusion** with blood from recently inoculated donors in a severe case of typhoid fever. J. R. Nav. M. Serv., 1936, **22:** 61–3.

—— by countries.

Canney, L. [et al.] Enteric fever in armies. Brit. M. J. 1901, **2:** 741. ——— Typhoid fever in armies. Lancet, Lond., 1903, **2:** 910.—**Childs, C.** Enteric fever amongst armies in the field. Med. Mag., Lond., 1902, **11:** 611–5.—**Gajkoić, R.** Tify v russkoj i inostrannykh armijakh. Russ., vrach, 1909, **8:** 687–9.—**Hamilton, J. B., Porter, R., & Childs, C.** Enteric fever in armies in the field. Brit. M. J., 1902, **2:** 998.—**Kazizuka, R.** Oh-Bei kakkoku ni okeru tyō-typhus, paratyphus, yobō-sessyu no gaikyō [The situation in the countries of America and Europe in regard to preventive inoculation against enteric fever and paratyphoid fever] Gun idan zassi, 1930, 553–96.—**Vaccinations** (Les) antityphiques à l'armée. Arch. méd. belges, 1936, **89:** Bull. internat., 662–8.

—— by countries: Algeria.

Bideau, Baron & Aboulker. A propos d'un foyer epidémique de fièvre typhoïde observé à la marine à Alger. Algérie méd., 1946, 258–64. Also Rev. méd. nav., Par., 1946, **1:** 321–7.—**Chaudoye, H.** La fièvre typhoïde dans la garnison et dans la ville de Tébessa de 1890 à 1906. Arch. méd. pharm. mil., 1907, **50:** 169–97.—**Coudray, M.** La vaccination antityphoïdique doit-elle être rendue obligatoire dans l'Armée? Bull. méd. Algérie, 1913, **24:** 837–9.—**Granjux.** La vaccination antityphique dans la province d'Oran. Caducée, Par., 1911, **11:** 197–201.—**Roussel, L.** La vaccination autityphoïdique dans la garnison d'Alger en 1912. Bull. méd. Algérie, 1913, **24:** 329–33.

—— by countries: Argentina.

Jaspe, A. Brotes epidémicos de fiebre tifoidea en la guarnición de Corrientes. Rev. san. mil., B. Air., 1945, **44:** 404–10.—**Justo, F., & Mazza, S.** Informe e investigación bacteriológica sobre una pequeña epidemia de tifoidea en Corrientes. Ibid., 1916, **15:** 17–23.—**Tifoidea** (La) y su vacunación; trabajos de la sanidad militar; estadística de años anteriores. Nación, B. Air., 1917, March 26 [cutting]—**Veyga, F. de.** Profilaxia de la fiebre tifoidea en el Ejército Argentino. Bol. san. mil., B. Air., 1908, **7:** 415–8.

—— by countries: Australia.

Tidswell, F., & Bradley, B. On an outbreak of typhoid fever occurring on shipboard. Rep. Gov. Bur. Microbiol. Sydney, 1912, **2:** 29.

—— by countries: Austria.

Fischer, J. Zur Prophylaxe von Typhusepidemien nach Manövern. Allg. mil. ärztl. Ztg, Wien, 1906, 81–3.—**Hussa, F.** Mitteilung über die Mostarer 1912–Typhusepidemie. Militärarzt, Wien, 1913, **47:** 33–6.—**Pollák, G.** Zur Epidemiologie des Typhus abdominalis. Ibid., 1907, **41:** 269.—**Rold, F.** Abdominaltyphus. Ibid., 1912, **46:** 17; 33.

—— by countries: Belgium.

Holemans, P. La vaccination antityphique dans la Flande-Orientale. Belgique méd., 1914, 21: 135–40.—**Thomann.** Ueber die Bekämpfung des Typhus abdominalis in der belgischen Armee; Typhusschutzimpfung, Bemerkungen über Typhus-Enterovakzine. Vjschr. schweiz. Sanitätsoff., 1924, **1:** 70–2.—**Vaccinations** (Les) antityphiques dans les armées. Arch. méd. belges, 1936, **89:** Bull. internat., 122–5.

—— by countries: Bermuda.

Cockerill, J. W. Report on the prevalence of enteric fever in Bermuda. J. R. Army M. Corps, 1905, **4:** 762; **5:** 663.

—— by countries: Brazil.

Marinho, R. A recente epidemia de febres typhica e paratyphica na guarniçao do Rio de Janeiro. Bol. Soc. med. cir mil., Rio, 1919–20, **5:** 294–7.

—— by countries: Chile.

Donoso Gaete, R. Vacunación antitifoidea y paratifoidea en las instituciones armadas. Congr. med. cir. nav. mil. Chile, 1929, 360–4.—**Marín, J.** Vacunaciones preventivas; vacunación antitifoidea. Ibid., 351.

—— by countries: Cuba.

Ferrer, H. Exito de la vacuna antitífica en la Ejército. Arch. Soc. clín. Habana, 1914, **20:** 4–7, 2 ch. Also Rev. med. cir. Habana, 1914, **19:** 115–9.—**Yanes y Rojas, T. R.** La vacuna antitífo-paratífica, tipo 1925, en el Ejército; conveniencia de su aceptación por la población civil. An. Acad. cienc. méd. Habana, 1925–26, **62:** 772–95.

—— by countries: Czechoslovakia.

Vaníček, F. [Present state of the question of vaccination against typhoid and paratyphoid in the Army] Voj. zdrav. listy, 1934, **10:** 136–41.—**Zrůnek, K.** [An instructive epidemic of typhoid fever in Kroměříž] Ibid., 1937, **13:** 62–8.

—— by countries: Egypt.

Bahr & Garrow. Analysis of one hundred consecutive cases of reputed enterica admitted to Choubra Hospital, Cairo, for the most part during the months of June and July, 1916. J. Army M. Corps, 1919, **32:** 229–31.

—— by countries: Eire.

Kean, J. R. Snakes in Ireland. N. York M. J., 1913, **97**: 848.

—— by countries: France.

CHANTEMESSE, R. *La vaccination antityphique dans l'armée navale 1912–18: historique, la vaccination dans la marine avant la guerre, pendant la guerre. 34p. 8° Par., 1923 (1924)

SIMON. La fièvre typhoïde dans la garnison et la population d'Avignon de 1892 à 1912; état de l'hygiène urbaine et des améliorations à réaliser. p.329–81. 22½cm. Par., 1913.
Arch. méd. pharm. mil., 1913, **61**:

WEISER, J. *Ueber die Durchführung und die Resultate der Typhus- und Paratyphusschutzimpfung in Frankreich vor, während und nach dem Kriege [Berlin] 45p. 8°. Charlottenb., 1928.

Bernard, L. La vaccination antityphoïdique du personnel de la Marine marchande. Bull. Acad. méd., Par., 1930, 3. ser., **103**: 195.—**Bertrand, L. E.** La fièvre typhoïde à Toulon, dans les milieux maritime et militaire; étiologie et prophylaxie. Ibid., 1909, 3. ser., **61**: 68–86.—**Bianchon, H.** La vaccination contre la typhoïde obligatoire dans l'Armée. Hygiène, Par., 1914, **6**: No. 50, 4.—**Bonnette, P.** Lépidémie de fièvres typhoïdes du Quartier Grouchy, à Saint-Etienne, en 1904. Caducée, Par., 1905, **5**: 342. ——— La vaccination antityphoïdique obligatoire. Presse méd., 1914, **22**: Annexe, 479–82.—**Brunet, L. E. F.** Rapport sur l'épidémie de fièvre typhoïde de Cherbourg en 1909. Arch. méd. nav., Par., 1910, **94**: 401; 1911, **95**: 5.—**Brunon, R.** La fièvre typhoïde dans les casernes. Ann. hyg., Par., 1903, **49**: 241–50.—**Cazeneuve, P.** La loi Léon Labbé sur la vaccination anti-typhoïdique obligatoire dans l'Armée doit-elle être amendée? Lyon méd., 1921, **130**: 327–32.—**Chabenne, J. B. C.** La péritonite typhoïdique dans la Marine française (de 1900 à 1910) Arch. méd. nav., Par., 1911, **95**: 81; passim.—**Chantemesse.** La vaccination préventive contre la fièvre typhoïde dans les équipages de la flotte. Gaz. hôp., 1913, **86**: 133. Also Rev. sc., Par., 1913, 135.—**Clerc, M.** La vaccination antityphoïdique dans la Marine marchande. Ann. hyg., Par., 1934, n. ser., **12**: 432–9.—**Dage, R.** La vaccination antityphoïdique de la Classe 17. Caducée, Par., 1916, **16**: 21.—**Données** statistiques relatives à l'influence de la vaccination sur la morbidité et la mortalité des fièvres typhoïde et paratyphoïdes dans la Marine et dans l'Armée françaises. Bull. Off. internat. hyg., pub., Par., 1936, **28**: 668–82.—**Eliminating** disease from the casualty list; the manufacture of typhoid vaccine by the French service. Sc. Am., N. Y., 1917, **117**: 159.—**Fricker, J. M.** Etude statistique des infections typho-paratyphoïdiques dans les troupes du Levant au cours des années 1927 à 1937. Rev. Serv. san. mil., Par., 1939, **110**: 939–49.—**Gaillard.** Rapport sur les cas de fièvre typhoïde traités à l'hôpital de Saint-Mandrier pendant les mois de juillet, août et septembre 1907. Arch. méd. nav., Par., 1908, **89**: 200–6.—**Hassler, I.** Epidémie de maladies typhoïdes observées en 1904 dans la garnison de Saint-Etienne; étiologie et prophylaxie. Arch. méd. pharm. mil., 1905, **46**: 273–88.—**Instruction** du sous-secrétaire d'état relative à la prophylaxie de la fièvre typhoïde. Arch. méd. nav., Par., 1911, **95**: 60–71.—**Jolly.** Rapport sur la fin d'épidémie de fièvre typhoïde ayant évolué parmi les détenus des travaux publics venant du chantier de Tocqueville. Arch. méd. pharm. mil., 1913, **61**: 520.—**Krey.** Typhoid fever; the epidemic in Paris and the experience gained with regard to immunization. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 10, 139–45.—**Labbé, L.** De la vaccination antityphoïdique obligatoire dans l'Armée. Rev. sc., Par., 1914, **1**: 43–5.—**Lacroix, de.** La vaccination antityphoïdique dans l'Armée et l'hygiène urbaine, Bull. méd., Par., 1914, **28**: 135.—**Lancelin.** Du rôle des coquillages, et en particulier des moules, dans la persistance de l'endémicité typhique à Toulon. Arch. méd. pharm. nav., 1928, **118**: 115–38.—**Landouzy, L.** Sur l'emploi facultatif de la vaccination antityphique dans l'Armée. Presse méd., 1911, **19**: 705–9.—**Leclerc.** Note sur 34 cas d'états typhoïdes traités a l'Hôtel-Dieu de Lyon chez des militaires. Lyon méd., 1916, **125**: 18.—**Liffran.** La vaccination contre la fièvre typhoïde; son intérêt pour la Marine. Arch. méd. nav., Par., 1912, **97**: 321–56.—**Liscoët, R. P. L.** Histoire des affections typhoïdiques dans la garnison de Dinan de 1876 à nos jours. Rev. Serv. san. mil., Par., 1938, **108**: 253–77.—**Manceaux.** La fièvre typhoïde au quartier Luxembourg à Vesoul. Arch. méd. pharm. mil. 1905, **46**: 288–97.—**Michel, A. G.** Une épidémie de fièvre typhoïde dans la Haute-Tarentaise. Ibid., 1904, **43**: 197–204.—**Montel.** La fièvre typhoïde chez le noir en France. Marseille méd., 1929, **66**: 2. semest., 714–37.—**Paulin, E.** La fièvre typhoïde dans une ville de garnison. Rev. méd. est, 1909, **41**: 465; 497; 534.—**Poullain.** Rapport sur l'épidémie de fièvre typhoïde qui a sévi au camp des détenus de l'atelier des travaux publics de Tocqueville. Arch. méd. pharm. mil., 1913, **61**: 513–20.—**Prophylaxie** de la fièvre typhoïde dans l'Armée française. Mouvement hyg., Brux., 1908, **24**: 5–12.—**Profilaxis** de la fiebre tifoidea en el Ejército francés. Rev. san. mil., Madr., 1908, **2**: 129–36.—**Quérangal des Essarts.** Résultats de la vaccination antitypho-paratyphoïdique dans les effectifs militaires de la Marine au port de Brest. Arch. méd. pharm, nav., 1937, **127**: 279–82. ——— Fièvres typhoïdes au port de Brest depuis la guerre. Ibid., 1938, **128**: 392–416.—**Question** (La) de l'obligation de la vaccination antityphoïdique dans l'Armée devant la société de médecine publique et de génie sanitaire. Bull. méd., Par., 1914, **28**: 331–7.—**Raoul.** Observations épidémiologiques au sujet d'une épidémie de fièvre typhoïde d'origine hydrique. Arch. méd. pharm. mil., 1908, **52**: 12–24.—**Rendu, R.** De la vaccination anti-typho-paratyphoïdique, d'après la statistique médicale de l'Armée. Presse méd., 1940, **48**: 578.—**Results** of antityphoid vaccination in the French Army. Brit. M. J., 1916, **1**: 2/.—**Rondet, H.** Les épidémies de fièvre typhoïde au régiment; étiologie et prophylaxie. Lyon méd., 1909, **113**: 188–90.—**Rüdler, F.** Etiologie d'une épidémie régimentaire de fièvre typhoïde. Bull. Soc. méd. mil. fr., 1909, **3**: 76; 103.—**Séné.** Fièvre typhoïde à bord de la goélette Auguste, du port de Paimpol, venant d'Islande, arrivée à Pauillac (Gironde) le 22 mai 1898. Rec. Com. hyg. pub. France (1898) 1899, **28**: 189–91.—**Sicre, A.** Etude sur une épidémie mixte de fièvre typhoïde et de fièvre paratyphoïde à bacille du type B. Arch. méd. pharm. mil., 1910, **55**: 200–23.—**Simonin, J.** La fièvre typhoïde dans les troupes aux grèves. Caducée, Par., 1905, **5**: 269–74.—**Spillmann, G.** Note sur une épidémie de fièvre typhoïde. Arch. méd. pharm. mil., 1900, **35**: 381–4.—**Vaccination** (La) antityphoïde obligatoire dans l'Armée. Bull. méd., Par., 1913, **27**: 1137–40.—**Vaccination** (La) contre la fièvre typhoïde en temps de guerre; rapport du médecin principal de 1e classe Vincent, directeur du laboratoire antityphoïdique de l'Armée. Bull. Off. internat. hyg. pub., Par., 1914, **6**: 2053–61.—**Vincent, H.** Les méthodes de vaccination antityphoïdique; leur emploi dans l'Armée. Arch. méd. pharm. mil., 1908, **52**: 424–54. ——— La vaccination antityphoïdique dans l'armée française. Tr. Internat. Congr. Med., 1913, 17. Congr., Sect. 20: Nav. Mil. Med., 63–71. ——— **Dopter** [et al.] Sur la prophylaxie de la fièvre typhoïde dans la Marine marchande. Bull. Acad. méd., Par., 1933, 3. ser., **110**: 775.

—— by countries: Germany.

PRUSSIA. KRIEGSMINISTERIUM. MEDIZINAL-ABTEILUNG. Beiträge zur Schutzimpfung gegen Typhus. 63p. 25cm. Berl., 1905.
Forms H.28, Veröff. Mil. San., 1905.

Beckjord, P. R. Typhoid fever in Göppingen, Germany. Bull. U. S. Army M. Dep., 1949, **9**: 725–32.—**Clauberg, K. W. & Sartorius, F.** Weitere experimentelle Untersuchungen über aktive Schutzimpfung gegen Ruhr und Typhus, zugleich ein Beitrag zur Frage der einzeitigen Typhusprophylaxe. Deut. Militärarzt, 1942, **7**: 310–3.—**Düms.** [Unterleibstyphus in der Armee] Münch. med. Wschr., 1907, **54**: 193.—**Exner.** Neunzig Fälle von Unterleibstyphus, behandelt im Garnisonlazarett Gnesen im Jahre 1903. Deut. mil. ärztl. Zschr., 1905, **34**: 127–36.—**Förster.** [Der Unterleibstyphus in der Armee] Ibid., 494.—**Greig, E. D. W.** Report on the methods employed in the campaign against typhoid fever in Germany. J. R. Army M. Corps, 1906, **6**: 117–29.—**Gutschmidt.** Der Typhus in Ostpreussen und seine Bekämpfung unter Berücksichtigung militärhygienischer Erfahrungen. Zschr. Hyg., 1936–37, **119**: 459–75.—**Haselberg.** Die Abnahme der Typhuserkrankungen in Stralsund. Deut. mil. ärztl. Zschr., 1900, **29**: 153–5.—**Mayer, G.** Typhus abdominalis. Ibid., 1905, **34**: 153–61.—**Pfuhl, E.** Maassnahmen zur Verhütung der Uebertragung des Typhus in den Truppenküchen und Marketendereien. Ibid., 1902, **31**: 297–300.—**Scheuch, C.** Ueber eine Typhusepidemie auf dem Flottenbegleiter F 6. Arch. Hyg., Münch., 1937–38, **119**: 245–56.—**Talayrach.** La lutte contre la fièvre typhoïde (compte rendu d'une mission en Allemagne) Arch. méd. pharm. mil., 1903, **42**: 393–427.—**Westphal, K.** Typhus-Paratyphus-Erfahrungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 155.—**Wolter, F.** Der Typhus in Ostpreussen und seine Bekämpfung unter Berücksichtigung militärhygienischer Erfahrungen. Zschr. Hyg., 1937–38, **120**: 341–9.

—— by countries: Great Britain.

GREAT BRITAIN. ARMY COUNCIL. Report of the anti-typhoid committee, 1912. 101p. roy. 8° Lond., 1913.

Birt, C. Typhoid and paratyphoid fevers. J. R. Army M. Corps, 1907, **9**: 131–49.—**Canney, H. E. L.** The toleration of enteric fever by the Army. J. R. Unit. Serv. Inst., 1906, **50**: 269–301, ch.—**Childs, C.** Prevention of typhoid in home camp. Brit. M. J., 1914, **2**: 810.—**Drury, H. C.** A note on anti-typhoid inoculation in the Army. Med. Press & Circ., Lond., 1901, **72**: 378–80.—**Dudley, S. F.** Some aspects of the epidemiology of typhoid fever in the Royal Navy. J. R. Nav. M. Serv., 1928, **14**: 266–84.—**Enteric** fever. Army M. Dep. Rep., Lond., (1908) 1909, **50**: 75–84, ch.—**Firth, R. H.** A statistical study of antienteric inoculation. J. R. Army M. Corps, 1911, **16**: 589–601.—**Graham, J. H.** Record of anti-typhoid inoculation performed on the Third Battalion Coldstream Guards, September, 1906, to October, 1907. Ibid., 1908, **10**: 429–32.—**Harrison, W. S.** Memorandum regarding antityphoid inoculation. Ibid., 1906, **7**: 63–5.—**Harvey, D.** Notes on some cases of enteric fever in which the Bacillus

paratyphosus A was isolated from the blood or excreta. Ibid., 1910, 14: 401–22.—**Hayes, E. C.** Report on an epidemic of enteric fever at the depot of the Royal Berks Regiment at Reading (December, 1910, and January, 1911) J. R. Army M. Corps, 1912, 18: 314–7.—**Immunisation** (L') contre la fièvre typhoïde; le sérum anti-typhoïde de Wright; les troupes anglaises et la fièvre typhoïde. Bull. gén. thér., 1900, 139: 392–5.—**Leishman, W. B.** The progress of anti-typhoid inoculation in the Army. J. R. Army M. Corps, 1907, 8: 463–71. ——— Anti-typhoid inoculation in the British Army. Mil. Surgeon, 1908, 22: 421–32.—**Pearson, K.** Report on certain enteric fever inoculation statistics; provided by Lt. Col. R. J. S. Simpson. Brit. M. J., 1904, 2: 1243–6.—**Protective** (The) inoculation of troops. Ibid., 1914, 2: 483.—**Purdy, J. S.** Enteric fever in the Army. Lancet, Lond., 1906, 1: 337.—**Ward, W. A.** Some notes on the results of anti-enteric inoculation. J. R. Army M. Corps, 1906, 6: 436–48.—**Welch, F. H.** Enteric fever in the Army. Lancet, Lond., 1905, 2: 1427.

—— by countries: Greece.

Martin, C. J., & Upjohn, W. G. D. The distribution of typhoid and paratyphoid infections amongst enteric fevers at Mudros, October–December, 1915. Brit. M. J., 1916, 2: 313–6. Also J. R. Army M. Corps, 1916, 27: 583–95.

—— by countries: Holland.

Bijl, J. P. Stelselmatig typhusonderzoek in Nederland door den Militairen Geneeskundigen Dienst. Mil. geneesk. tschr., 1917, 21: 314–34.—**Suchtelen, F. A. v.** Voetangels en klemmen. Ibid., 1909, 13: 212–5.—**Vos, I. H. J., & Hoogenhuyze, C. J. C.** Stelselmatig typhusonderzoek in Nederland door den Militairen-Geneeskundigen Dienst. Ibid., 1917, 21: 349–60.

—— by countries: Hungary.

Hainiss, E. [Clinical observations on, and prevention of, typhoid fever in the Army] Gyógyászat, 1916, 56: 304–6.—**Robitschek, W.** Typhusepidemie in der Garnison Nagyszeben (Hermannstadt) und Pyramidonbehandlung. Allg. mil. ärztl. Ztg, Wien, 1906, 47: 38–42.

—— by countries: India.

MANIFOLD, J. A. A study of certain features in connection with enteric group infections in the Army in India. [60]p. 25cm. Lond., 1930.
J. R. Army M. Corps, 1930, 54: 401; 55: 1; 88.

ROBERTS, E. Enteric fever in India and in other tropical and subtropical regions; a study in epidemiology and military hygiene. 571p. 8° Lond., 1906.

Aldridge, A. R. The prevention of enteric fever in India. J. R. Army M. Corps, 1909, 13: 221–32.—**Allen, S. G.** The allies of enteric fever in India. Ibid., 1907, 8: 44–9. ——— Enteric fever in Ambala, 1880–1905. Ibid., 123–40.—**Anti-typhoid** inoculations in the Army. Ind. M. Rec., 1911, 31: 63; 82.—**Blake, H. H., & Walker, R. W.** A full report on the typhoid epidemic in Nowshera, July and August, 1929. J. R. Army M. Corps, 1930, 55: 112–9.—**Bourke, E. A.** Notes on enteric fever in India, with an analysis of seventy-five cases; remarks on the treatment of enteric. Ibid., 1904, 3: 213–30.—**Buist, J. M.** Conservancy methods and enteric fever incidence in India. Ibid., 1903, 1: 286–91.—**Corkery, M. P.** Enteric fever in India; a probable factor. Ibid., 1909, 13: 687–9.—**Dykes, C.** Note on some cases of enteric fever in native Sepoys. Ind. M. Gaz., 1901, 36: 449–51.—**Firth, R. H.** Some recent facts as to enteric inoculation in India. J. R. Army M. Corps, 1911, 17: 495.—**Forman, R. H.** Indian enteric and latrines. Ibid., 1906, 7: 304.—**Freyer, S. F.** Enteric fever and teetotalism in the British soldier in India; a plea for a better system of water purification. Tr. Ind. M. Congr., (189-) 1895, 381; 389.—**Harrison, W. S.** Our present position with regard to enteric fever in India. J. R. Army M. Corps, 1904, 3: 42–52.—**Jones, F. W. C.** Notes on enteric fever prevention in India. Ibid., 1907, 8: 22–34.—**Luxmore, E. J. H.** Report on the outbreak of enteric and effect of anti-typhoid inoculation among the 17th Lancers, Meerut, India. Ibid., 492–503.—**Melville, C. H.** The allies of enteric fever in India. Ibid., 222.—**Mould, W. T.** Enteric fever in natives of India. Ibid., 1906, 7: 279–81.—**Phipson, E. S.** A case of enteric fever in a Sepoy ending fatally on the 77th day. Ind. M. Gaz., 1912, 47: 479, ch.—**R. A. M. C.** Enteric in the Army. Ind. Lancet, Calc., 1904, 23: 914.—**Scaife, C.** Enteric fever in Kirkee in 1909. J. R. Army M. Corps, 1910, 15: 198–200.—**Straton, C. H.** The prevention of enteric fever in India. Ibid., 1907, 8: 224.—**Thomson, G. S.** Enteric incidence in India, and its lessons. Ibid., 1908, 11: 486–504.—**Wallace, G. S.** A case of enteric fever in a native of India; perforation; death. Ibid., 1907, 8: 180–2.—**Wardrop, D.** Latrine infection in the enteric fever of India. Ibid., 1906, 6: 659–61.—**Webb, W. M.** Typhoid as we have seen and treated it at the Post Hospital, Ramgarh. Field M. Bull. U. S. Army, N. Delhi, 1943, 2: 30–2.—**Welch, F. H.** Enteric fever among the natives of India as a source of army disease. Lancet, Lond., 1903, 1: 1837.—**Woodhouse, T. P.** Notes on the causation and prevention of enteric fever in India, with remarks on its diagnosis and treatment. J. R. Army M. Corps, 1908, 10: 616–26.—**Wright, A. E.** A note on the results obtained by the anti-typhoid inoculations in the beleaguered garrison at Ladysmith. Lancet, Lond., 1900, 2: 95. ——— A note on the results obtained by the antityphoid inoculations in the 15th Hussars, Meerut, India. Brit. M. J., 1901, 1: 336. Also Lancet, Lond., 1901, 1: 399.

—— by countries: Italy.

CALIFARRO, E. Tifoide e vita militare. 25p. 8° Santamaria, 1905.

Antityphoid vaccination for soldiers [Italy] J. Am. M. Ass., 1936, 106: 1933.—**Borra, E.** Tifo tropicale in Etiopia. Gior. med. mil., 1941, 89: 103–10.—**Brezzi, G., & Ciaccio, A.** Studi e considerazioni intorno di casi più importanti osservati durante l'anno 1899–1900; ileo-tifo. Gior. med. Esercito, 1900, 48: 571; passim.—**Bruni, N.** La vaccinazione antitifica con il lipovaccino T. A. B. nell'Esercito italiano. Gior. med. mil., 1927, 75: 637–43. ——— Osservazioni e ricerche relative ad alcuni vaccini antitifici usati nell'Esercito. Ibid., 1928, 76: 37–45.—**Che** cosa ha fatto la R. Marina per l'obbligatorietà della vaccinazione antitifica. Ann. med. nav., Roma, 1914, 2: 543–53.—**Conte, G. G., Sestini, L., & Trocello, E.** Sulle reazioni cliniche e sierologiche per vari tipi di vaccino antitifico e antiparatifico sperimentali nella R. Marina. Ibid., 1915, 21: pt 2, 23–49.—**Dati** sulla vaccinazione antitifica durante la guerra. Gior. med. mil., 1920, 68: 646–9.—**Fiore, M.** La vacunación antitífica del cuerpo expedicionario de Cirenaica (1914–16) Congr. internac. med. farm. mil., 1933, 2: tema 2, 50–9.—**Germino, A.** Vaccinazioni antitifiche nell'Esercito. Riforma med., 1927, 43: 1107–9. Also Gior. med. mil., 1928, 76: 2–31. ——— Vaccinazioni antitifico-paratifiche i risultati delle ricerche sperimentali, proseguite nell'anno in corso, presso il laboratorio di biologia medica dell'Ospedale militare di Napoli. Ibid., 1929, 77: 86. ——— Le prime applicazioni del vaccino tipo G. E. R. nella vaccino-profilassi umana antitifo-paratifica. Ibid., 1933, 81: 2–12.—**Giannone, A.** L'epidemia di febbre tifoide sulla R. Nave Regina Elena. Ann. med. nav., Roma, 1908, 14: 457–68.—**Mariana, G., & Massa, F.** Contributo sperimentale allo studio delle cause naturali che si oppongono alla diffusione, nella Somalia Italiana, delle infezioni tifo-paratifiche. Gior. med. mil., 1936, 84: 739–52.—**Mariotti-Bianchi, G. B.** Il nuovo lipovaccino T. A. B. e le febbri tifoidi nell'esercito nel 1927 [studio epidemiologico] Ibid., 1928, 76: 561–86. ——— Le febbri tifoidi nell'Esercito nel 1928. Ibid., 1929, 77: 605–13.—**Memmo, G.** Il tifo e la vaccinazione antitifica nell'Esercito. Ibid., 1925, 73: 357–86.—**Monaco, F., & Rho, F.** Una piccola epidemia di febbri tifoidee svoltasi a bordo nella campagna d'istruzione degli allievi della R. Accademia navale. Ann. med. nav., Roma, 1913, 19: 272–85.—**Rho, F.** La vaccinazione antitifoidea fra i militari per la profilassi dell'infezione ebertiana nella Libia. Ibid., 1912, 18: 65–79.—**Roccavilla, A.** Quello che ci ha insegnato la guerra nel campo del tifo e tifosimili. Gior. med. mil., 1920, 68: 80.—**Romby, P.** Sui lipovaccini T. A. B. in uso presso l'esercito e per un nuovo vaccino T. A. B. preparato dall'Istituto sieroterapico e vaccinogeno Toscano. Igiene mod., 1928, 21: 41–55.—**Sestini, L.** L'infezione tifica sulle navi da guerra. Clin. mod., Pisa, 1900, 6: 163; 171. Also Racc. med., Forlì, 1900, 6. ser., 6: 185; 213.—**Tacchetti, G.** I primi risultati della vaccinazione antitifica nei militari della R. Marina in Taranto. Ann. med. nav., Roma, 1915, 1: 660–2.—**Tiberio, V.** Patologia libica e vaccinazione antitifica alla base navale di Tobruck; appunti tratti da una relazione. Ibid., 1914, 20: 135–44.—**Vaccination** (La) antityphoïdique dans l'Armée italienne. Presse méd., 1915, 23: 6.

—— by countries: Japan.

JAPAN. RIKUGUN. TOYOHASI EIZYU BYŌIN. Syōwa san-nen iti-nigatu Hohei Dai-Zyūhati Rentai tyō-typhus ryūko gaikyō [Conditions in the typhoid fever epidemic in the 18th Infantry Regiment in January and February 1928] p. 503–604. 22cm. Tōkyō, 1929.
Gun idan zassi, 1929, Suppl.

Abe, M., & Takematu, S. Syōwa ni-nen Morioka Kihei Dai Nizyū-yon Rentai ni ryūkō-seru tyō-typhus ni tuite [The typhoid fever epidemic in 1927 in the 2d Morioka Cavalry Regiment] Gun idan zassi, 1929, 165–206.—**Control** (The) of typhoid group in the Imperial Japanese Navy. Actas Congr. internat. med. farm. mil., 1933, 7. Congr., Tema 2, 25–41.—**Iwasaki, S.** Zi Meizi 37-nen itigatu si 38-nen sangatu Sasebo Kaigun Byōin tyō-typhus kanzya 245 syō ni tuite [Cases (245) of typhoid fever in the Sasebo Naval Hospital from January 1904 to March 1905] Sei i kai M. J., 1906, 25: No. 288, 14–31.—**Kabesima, T.** [The control of typhoid and paratyphoid in the Japanese Navy] Kaigun gun-ikai zassi, 1928, 17: Suppl., 1–9.—**Momose, K.** Gunkan Iwate ni oite sikō-seru tyō-typhus-kin keitai-sya no kensaku narabi-ni tyō-typhus yobō-eki no sessyu [Examination for typhoid carriers and prophylactic inoculation on the battleship Iwate] Saikingaku zassi, 1907, 520–8.—**Nakamura, S.** Tyō-typhus no kon-zyaku [Reminiscences of typhoid fever] Gun igakkai zassi, 1900, 631–3.—**Takehasi, K.** Meizi 33-nen Peking tihō ni ryūkō-sesi tyō-typhus ni tuite [The epidemic of typhoid fever in 1900 in and around Peking] Ibid., 1901, 348–55.—**Tanabe, B.** Waga rikugun ni okeru tyō-

typhus yobō scssyu no kekka ni tuite [Results of prophylactic vaccination against typhoid fever in the Japanese Army] Gun idan zassi, 1927, 667–707. ——— Serial determination of specific preventive immune bodies produced in the blood as a result of preventive typhoid and paratyphoid-B inoculations in the Japanese Army. Tr. Far East. Ass. Trop. Med., 1930, 2: 29–34.—**To-Man** syonenhei nyūei-zen tihō ni oite tyō-typhus yobō sessyu zissi ni tuite [Enforcement of prophylactic inoculation against typhoid fever in their home districts for new recruits going to Manchuria] Gun idan zassi, 1936, 426–9.

—— by countries: Jugoslavia.

Georgević, A. [A typhoid epidemic in the garrison of Beograd] Voj. san. glasnik, 1930, 1: 80–8. ——— La fièvre typhoïde dans l'Armée yougouslave de 1931 à 1935. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 131–57. Also Bull. internat. Serv. santé, Liége, 1937, 10: 282–306.—**Hinka, E.** [Typhoid fever in mountainous regions] Voj. san. glasnik, 1938, 9: 487–512.—**Janković, B.** [Typhoid fever in the Jugoslavian Army; epidemiologic observations] Ibid., 1930, 1: 168–91.—**Morelj, M., Peičić, A.** [et al.] Epidemija trbušnog tifusa u Slavonskom Brodu 1947 godine. Voj. san. pregl., Beogr., 1949, 6: 263–83.—**Tasić, M. S.** [Investigation on endemic typhoid in Kragujevac] Voj. san. glasnik, 1937, 8: 433–46.—**Vaccinations** (Les) antityphiques dans les armées; Yougoslavie. Arch. méd. belges, 1936, 89: Bull. internat., 754–61.

—— by countries: Korea.

Abe, S. Syōwa san nen kokkyō Sozan syūbitai ni ryūkō-seru tyō-typhus ni tuite [The epidemic of typhoid fever in the defense garrison at Sozan on the (northern) borders of the country in 1928] Gun idan zassi, 1930, 421–49.

—— by countries: Malta.

Gray, W. L. Report of a group of cases of enteric fever which occurred among the children of families occupying the New Verdala Married Quarters, Malta. J. R. Army M. Corps, 1907, 9: 405–8.

—— by countries: Manchuria.

Kharitonov, L. A. K epidemiologii brjušnogo tifa v severnoj Manchzhurii. Voen. med. J., S. Peterb., 1904, 82: Med. spec. pt, 717–21.

—— by countries: Mexico.

Nieto, A. M., Vargas, F. R. [et al.] Fiebres tifoideas y paratifoideas en los Estados Unidos mexicanos. Mem. Convenc. méd. mil. mex., 1936, 138–49.

—— by countries: Morocco.

BERNARD. La fièvre typhoïde au Maroc occidental en 1911. p. 1–56. 22½cm. Nancy, 1914.

Arch. méd. pharm. mil., 1914, 63:

Julliard, J. [L'épidémie de typhus à Marrakech, novembre 1937 à juillet 1938] Deut. Militärarzt, 1940, 5: 567 (Abstr.)—**Liégeois, R. J. L.** Les affections typhoïdes au Maroc. Rev. Serv. san. mil., Par., 1937, 107: 449–89.—**Vialatte, E. F. C., & Bolzinger, R. L. F.** Notes sur les affections typhoïdes à Fès. Arch. méd. pharm. mil., 1930, 92: 659–78.—**Vincent, H.** Résultats de la vaccination antityphoïdique au Maroc par le vaccin de Wright et les vaccins polyvalents. Caducée, Par., 1911, 11: 327–30.

—— by countries: Norway.

Norvège; les vaccinations antityphiques dans les armées. Arch. méd. belges, 1936, 89: Bull. internat., 815.

—— by countries: Pakistan.

Battersby, J. On the causation of enteric fever at Quetta, with special reference to camp sanitation. J. R. Army M. Corps, 1904, 3: 523–31.

—— by countries: Philippine Islands.

Bruns, E. H. Notes on an epidemic of typhoid fever at Iloilo. Mil. Surgeon, 1908, 22: 369–72.—**Chamberlain, W. P., Bloomberg, H. D., & Kilbourne, E. D.** Epidemic of typhoid fever among natives at San Fernando Union, P. I. Ibid., 1911, 28: 187–91. ——— Widal reactions performed with blood of healthy Filipino scouts. Ibid., 191.

—— by countries: Poland.

Babecki, V. J. [Epidemiology of typhoid fever in the Polish Army] Lek. wojsk., 1927, 9: 611–20. ——— La vacunación antitífica comparada por vía hipodérmica y por vía bucal en el Ejército polaco de 1928 a 1932. Actas Congr. internac. med. farm. mil., 1933, 7. Congr., 2: Tema 2, 59–62.—**Owczarewicz, L.** O masowych zatruciach mięsnych w armji z uwzględnieniem roli duru rzekomego C. Lek. wojsk., 1927, 10: 329; passim.—**Sochanlewicz, W.** [Typhoid epidemic in Gdynia in 1930–37] Ibid., 1938, 32: 730–44.—**Szulc, G.** [The importance of anti-typhoid vaccination in the Polish Army] Ibid., 1927, 9: 595–610.

—— by countries: Portugal.

Ennes, G. Immunisação systematica das nossas tropas expedicionarias contra a febre typhoide. Med. contemp., Lisb., 1914, 32: 405.

—— by countries: Romania.

Pleşoianu, C. Dare de seamă asupra epidemiei de febră tifoidă din Spitalul Militar Central. Rev. san. mil., Bucur., 1897–98, 1: 135–40, map.

—— by countries: Russia.

Khvorostansky, M. A. [Experience of antityphoid inoculations en masse in the rear of the active Army] Kharkov. M. J., 1916, 21: 81–9.—**Klodnicky, N. F.** [Observations on the anti-typhoid vaccinations in the active Army] Voen. med. J., Petrogr., 1915, 244: Med. spec. pt, 271–82.—**Maćinsky, N. P.** [Anti-typhoid vaccine, prepared and sent out by the Laboratory of the Army-Medical Scientific Committee from April 2, 1914, to June 2, 1915] Ibid., 243: Med. spec. pt, 280–2.—**Murzin, M. I.** K epidemiologii brjušnogo tifa v lagerjakh. Ibid., 1905, 83: Med. spec. pt, 291–301.—**Posudzevsky, N. Z.** [First experience of antityphoid vaccine inoculations in the Petrograd garrison] Ibid., 1914, 241: Med. spec. pt, 368–77.—**Rapčevsky, I. F.** O primenenii predokhranitelnykh privivok protiv brjušnogo tifa v Armii. Ibid., 1913, 237: Med. spec. pt, 613–41. ——— [Preparation of antityphoid vaccine in the Laboratory of the Army Sanitary Scientific Committee] Ibid., 1915, 243: Med. spec. pt, 566–80.—**Rudakov** [Typhoid fever inoculations in the Blagoveščensk Division of the Amur River flotilla during the campaign of 1913] Morsk. vrach, 1914, 663.—**Shugaev, N. P.** [Preventive anti-typhoid inoculations in the army and their influence on the Gruber-Widal reaction for the diagnosis of this fever] Voen. med. J., Petrogr., 1915, 243: Med. spec. pt, 251–4.—**Tocky, V. M.** [Vaccination for typhoid fever in the ... reserve battalion] Kharkov. M. J., 1915, 20: 396–403.—**Ugrjumov, B. L.** Nekotorye osobennosti briušnogo tifa v N-skoj Armii. Voen. med. J., Moskva, 1947, 26–33.

—— by countries: South Africa.

KAERGER, E. A. *Der Typhus in Südwestafrika; February 1904 bis März 1905. 52p. 8° Kiel, 1905.

Anti-typhoid inoculation in the Army [Edit.] Transvaal M. J., 1908–09, 4: 136–9.—**Cottell, R. C.** Report on enteric fever cases admitted into the medical division of No. 7 General Hospital, Pretoria. J. R. Army M. Corps, 1904, 3: 331–4.—**Echholz.** Einige Erfahrungen über den Typhusverlauf bei geimpften und nicht geimpften Mannschaften der Schutztruppe für Deutsch-Südwest-Afrika. Münch. med. Wschr., 1907, 54: 777–9.—**Ferenczi, A.** Die Typhoidepidemie im südafrikanischen Kriege 1889–1901, deren Aetiologie und die Präventivimpfungen dagegen. Allg. mil. ärztl. Ztg, Wien, 1906, 83–8.—**Johnston, H. H.** Report on enteric fever among the personnel of No. 4 General Hospital, Mooi River, Natal, with reference to drinking-water filtration. J. R. Army M. Corps, 1905, 4: 488–91.—**Meiville, D.** Report on 295 cases of enteric fever, General Hospital, Tin Town, Ladysmith. Brit. M. J., 1901, 1: 952–4.—**Morgenroth.** Beobachtungen über Ergebnisse der Typhus-Schutzimptung in der Schutztruppe für Südwestafrika. Arch. Schiffs Tropenhyg., 1905, 9: 527–9.—**Rolleston, H. D.** Notes on enteric fever at the Imperial Yeomanry Hospital, Pretoria. Brit. M. J., 1901, 2: 976–8.—**Schian.** Die Bekämpfung des Typhus unter der Schutztruppe in Südwestafrika im Hererofeldzuge 1904–05. Deut. mil. ärztl. Zschr., 1905, 34: 593–604.—**Simpson, R. J. S.** Report on the prevalence of enteric fever in Pietermaritzburg. Army M. Dep. Rep. (1898) 1900, 40: 490–534. Also J. R. Army M. Corps, 1905, 5: 54; passim.—**Wright, A. E.** Results of antityphoid inoculation in the case of the fifth Battalion, Manchester Regiment, in South Africa. Brit. M. J., 1902, 1: 866.

—— by countries: Spain.

Birt, C. Fiebre tifica. Rev. san. mil., Madr., 1913, 3. ser., 2: 580; 616.—**Calatraveño.** Cantidad de vacuna antitifoídica elaborada en este centro, expedida y empleada en la vacunación de las tropas del Ejército y de la Marina en las techas que se expresan. Rev. valenc. cienc. med., 1915, 17: 255.—**Casares Gil, A.** Primeros ensayos de vacuna antitifoídica en el Ejército español. Rev. san. mil., Madr., 1913, 3. ser., 3: 729; 761.—**Potous, J.** La vacunación antitífica en España. Ibid., 374–7.—**Ristal, J.** Origen hídrico de la epidemia de fiebre tifoidea de Barcelona en los años de 1914 y 1915. Ibid., 1915, 5: 234–41.—**Tifoidea** (La) en el Ejército. Ibid., 1923, 3. ser., 13: 29; passim.

—— by countries: United States.

Bowen, J. S., & Halliday, C. H. Typhoid fever aboard the freighter Victoria City. Mil. Surgeon, 1937, 80: 374–7.—**Hawley, P. R., & Simmons, J. S.** The effectiveness of vaccines used for the prevention of typhoid fever in the United States Army and Navy. Am. J. Pub. Health, 1934, 24: 689–709.—**Historical** review of use of typhoid vaccine in the Army, Navy, and Civilian Conservation Corps. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 7–38.—**Immunization** to typhoid fever; experi-

mental investigations undertaken; general considerations. Ibid., 41–8.—**Laboratory** procedures now employed by the Health Department of New York City in connection with the prevention and control of typhoid fever. U. S. Nav. M. Bull., 1925, **23:** 80–4.—**Lull, G. F.** Typhoid in the C. C. C. Mil. Surgeon, 1936, **79:** 45–8.—**Ricci, G.** La febbre tifoide in New York. Ann. med. nav., Roma, 1905, **2:** 214–6.—**Tasker, A. N.** An outbreak of typhoid fever in a camp of the Civilian Conservation Corps. Mil. Surgeon, 1936, **79:** 358–62.—**Woodruff, C. E.** The military importance of mild typhoid infections, such as mountain fever. Am. Med., 1904, **8:** 1091–4.

—— by countries: United States: Army.

Gilchrist, H. L. History of typhoid vaccination in the United States Army; memorandum letter to the Surgeon General [MS] 7p. 4° Wash., 1934.

Russell, F. F. The control of typhoid in the Army by vaccination. 21p. 8° Wash., 1911.

War Department. Office of the Surgeon General. Directions for vaccination against typhoid fever and for keeping the necessary records, published for the information of medical officers. 3p. 8° Wash., 1916.

Circ. No. 16, S. G. O.

Ashburn, P. M. Account of an instructive typhoid epidemic. Mil. Surgeon, 1910, **26:** 322–9.—**Brumpt, L. C.** A propos de l'article de M. Robert Rendu sur la fièvre typhoïde aux Etats-Unis et dans l'Armée Americaine. Presse méd., 1947, **55:** 410.—**Carter, E. C.** Typhoid and malarial fevers at Chickamaugua in 1898. J. Ass. Mil. Surgeons U. S., 1904, **14:** 104–11.—**Chantemesse.** La vaccination antityphoïde dans l'armée des Etats-Unis. Gaz. méd. Paris, 1913, **84:** 86.—**Duncan, L. C.** A small typhoid epidemic. Mil. Surgeon, 1908, **22:** 375–9.—**Forms** used for making permanent record of epidemiological and experimental data. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 250.—**Form** used for recording epidemiological data in the Field. Ibid., 249.—**Grinnell, A. G.** Our Army versus a bacillus. Nat. Geogr. Mag., Wash., 1913, **24:** 1146–52.—**Hilldrup, D. G.** Control of typhoid fever in the Army. J. Indiana M. Ass., 1939, **32:** 304.—**Izlar, R. P.** [The Army fever] Tr. Florida M. Ass., 1899, 23–9.—**Phalen, J. M.** Experience with anti-typhoid inoculation in the United States Army. Tr. Homœop. M. Soc., 1912, **56:** 87–99.—**Prevention** of typhoid fever in the Army by immunization with typhoid vaccine. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 12–24.—**Rendu, R.** La fièvre typhoïde aux Etats-Unis et dans l'Armée américaine. Presse méd., 1947, **55:** 98.—**Reynolds, F. P.** Prevention of typhoid fever in the military service. Virginia M. Semimonth., 1912–13, **17:** 167.—**Russell, F. F.** The control of typhoid in the army by vaccination. N. York State J. M., 1910, **10:** 535–48. ——— The results obtained with anti-typhoid vaccine in the Army to the end of 1911. Ibid., 1912, **12:** 621–6.—**Siler, J. F.** Typhoid fever in the Army; its present status, with especial reference to typhoid carriers and antityphoid inoculations. Postgraduate, N. Y., 1909, **24:** 555; 700.—**Special** form for reporting typhoid fever; Regular Army. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 209.—**Tribby, W. W., Stock, A. H.,** & **Warner, F. B.** Typhoid fever in inoculated U. S. soldiers. Mil. Surgeon, 1948, **103:** 210–6.—**Typhoid** fever. Rep. Surg. Gen. U. S. Army, 1902–03, 49; 1903–04, 68; 1905, 45.—**Typhoid** and paratyphoid fevers. Bull. U. S. Army M. Dep., 1945, No. 87, 21.—**Vaccination** (La) antityphique dans l'armée aux Etats-Unis. Bull. Off. internat. hyg. pub., Par., 1912, **4:** 1006–17.—**Walls, C. B.** Antityphoid inoculation of the National Guard. Mil. Surgeon, 1915, **36:** 523–5.

—— by countries: United States: Navy.

Cook, S. S. Efficacy of typhoid prophylaxis in the United States Navy. Am. J. Pub. Health, 1935, **25:** 251–7. Also U. S. Nav. M. Bull., 1935, **33:** 169–77.—**Henry, R. B.** Entry of vaccination and typhoid prophylaxis on cover of health record. Ibid., 1918, **12:** 76.—**McCants, J. M.** Typhoid fever; report of three cases diagnosed and treated on Board the U. S. S. Relief. Ibid., 1930, **28:** 351–6.—**Prevention** of typhoid fever in the Navy by immunization with typhoid vaccine. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 25.—**Typhoid** fever. Rep. Surg. Gen. U. S. Navy, 1907–08, 50.

—— by countries: Uruguay.

Delgado Correa, B. La vacunación antitífica en el Ejército y la Marina del Uruguay; resultados obtenidos. Arch. pediat. Uruguay, 1944, **15:** 548.

—— in animals.

Bouchet & Joly. Considérations sur une épizootie d'affections typhoïdes. Rev. vét. mil., Par., 1933, **17:** 293–7.—**Marcenac & Carnus.** Les affections typhoïdes à l'Ecole de Saumer. Ibid., 277–91.—**Mespoulet.** Les affections typhoïdiques dans l'armée en 1931–32. Ibid., 1932, **16:** 405–19.

—— in wartime.

Barbieri, P. La fiebre tifóidea durante las guerras [Transl.] An. san. mil., B. Air., 1900, **2:** 1211–32.—**Domrachev, V. M.** [Some peculiarities of typhus abdominalis during the war] Klin. med., Moskva, 1944, **22:** No. 10, 44–9.—**Fiessinger.** La fièvre typhoïde dans les campagnes. Méd. mod., Par., 1901-**12:** 41–3.—**Goodall, E. W.** The war and typhoid fever. Brit. M. J., 1914, **2:** 998.—**Harrison, W. S.** Enteric fever in war. J. R. Army M. Corps, 190-, **9:** 547–57.—**Klts** (The) of typhoid cases in the war [Edit.] Brit. M. J., 1901, **2:** 825.—**Osler, W.** The war and typhoid fever. Tr. Soc. Trop. M. Hyg., Lond., 1914–15, **8:** 45–74.—**Vincent, H.** Fréquence de la fièvre typhoïde dans les guerres modernes. Arch. méd. pharm. mil., 1900, **36:** 124–32.

TYPHOID vaccine.

See also **Typhoid fever** subheadings (Control; Immunization; Prevention; Treatment;—by countries)

Craig, C. F. Directions for making the United States Army typhoid-paratyphoid A vaccine. 21p. 25½cm. Wash., 1929.

Farr, R. S., Lequire, V. S. [et al.] The augmentation of the pyrogenic and leukocytic effects of typhoid vaccine by homologous plasma in the rabbit. 12p. 26½cm. Bethesda, 1948.

Forms Rep. No. 17, Res. Proj. NM 007 039, U. S. Nav. M. Res. Inst.

Toscano, A. I. *La nueva vacuna antitífica de la Sanidad militar argentina. 115p. 27cm. B. Air., 1918.

United States. Army Medical School. Army Medical Center. Directions for making the United States Army typhoid-paratyphoid A vaccine. 21p. 8° Wash., 1929.

Abe, B., Tamiya, T., & Kubo, K. Yobō-sessyu-eki tosite no lipovaccine no kati [The value of the inoculation fluid, lipovaccine] Kaigun gun-ikai zassi, 1919, No. 22, 81–100.—**Alcoholized** T. A. B. vaccine; use of a new product. Bull. Army M. Dep., Lond., 1944, No. 31, 4–6.—**[Antigenic** (The) value of the bacterial antigens in the triple typhoid vaccine] Res. Program U. S. Army M. Res. Bd, 1947, July, 78.—**Army** makes 8,500 gallons of typhoid vaccine. Science News Lett., 1941, **40:** 137.—**Augmentation** (The) of the pyrogenic and leukocytic effects of typhoid vaccine by homologous plasma in the rabbit. Summaries Res. U. S. Nav. M. Res. Inst., 1948, July, 14.—**Callender, G. R., & Luippold, G. F.** The effectiveness of typhoid vaccine prepared by the U. S. Army. J. Am. M. Ass., 1943, **123:** 319–21.—**Chames, A.** La vacuna antitífica de la sanidad militar en el terreno experimental. Rev. san. mil. argent., 1948, **47:** 297–301.—**Comparison** of reactions to alcoholized and phenolized T. A. B. C. vaccines. Bull. War M., Lond., 1942–43, **3:** 533 (Abstr.)—**Evaluation** and standardization of methods of testing the antigenic potency of typhoid vaccine and similar products. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 109–11.—**Grattan, H. W., & Webb, A. L.** The preparation of anti-typhoid vaccine. J. R. Army M. Corps, 1909, **13:** 62–7.—**Historical** review of use of typhoid vaccine in the Army, Navy, and Civilian Conservation Corps; characteristics of the typhoid vaccine used. Am. J. Hyg., 1941, Monogr. Ser., No. 17, 7–12.—**Holt, R. L., & Hitchens, A. P.** Typhoid vaccine: the technique of its preparation at the Army Medical School. Army M. Bull., 1937, No. 40, 1–23. Also Pub. Health Rep., Wash., 1937, **52:** 829–44, 4 plates. Also Am. J. Hyg., 1941, Monogr. Ser., No. 17, 189–208, 6 pl.—**Maner, R. H.** [On preparation of typhoid vaccine in the Army, and on a new method for obtaining a perfected preparation] Askeri sihhiye mecmuasi, 1938, **67:** No. 24, 22–6. Also Deut. Militärarzt, 1940, **5:** 567 (Abstr.)—**New** (The) typhoid vaccine. Army M. Bull., 1935, No. 30, 32.—**Nichols, H. J.** An analysis of antityphoid vaccines and a consideration of their relative practical value at the present time. Bull. U. S. Surg. Gen. War Dep., 1913, No. 2, 23–36.—**Ottolenghi, D., Giovanardi, A., & Massa, F.** Di un vaccino a dose unica per la profilassi del tifo e dei paratifi. Gior. med. mil., 1934, **82:** 411–44.—**Perry, H. M., Findlay, H. T., & Bensted, H. J.** Antityphoid inoculation; observations on the immunizing properties and on the manufacture of typhoid vaccine. J. R. Army M. Corps, 1934, **62:** 161–77.—**Rainsford, S. G.** The sterilization of T. A. B. C. vaccine. J. R. Nav. M. Serv., 1938, **24:** 183–96. ——— Further studies on the sterilization of T. A. B. C. vaccine. Ibid., 1940, **26:** 31–43.—**Rogozin, I. I.** [Choice of vaccine for immunization for man] Voen. san. delo, 1936, No. 7, 11–8.—**Smith, J. W.** Typhoid-paratyphoid vaccine prepared as hypodermic tablets; a suggestion concerning the possibility of such a preparation. Mil. Surgeon, 1930, **66:** 806–9.—**Typhoid-paratyphoid** vaccine. Army M. Bull., 1935, No. 33, 40.—**Typhoid** vaccine; change in strain and standardization. Ibid., 1937, No. 38, 5.—**Vindication** of British Army T. A. B. vaccine. Bull. Army M. Dep., Lond., 1943, No. 25, 4.

TYPHUS Commission.

See under **Epidemic Control Board.**

TYPHUS fever.

See **Rickettsiasis.**

UGANDA.

United States. War Department. Technical bulletin TB MED 197: Medical and sanitary data on Uganda. 36p. 23cm. Wash., 1946.

UKRAINE.

See **World War II.**

ULCER.

See also **Leg,** Ulcer; **Peptic ulcer; Stomach,** Ulcer; **Tropical ulcer.**

Beardsley, J. M. The treatment of tropical ulcer. Field M. Bull. U. S. Army, N. Delhi, 1943, **2:** 96–9.—**Berezov, J. E.** Dalnejśie nabljudenija nad leċeniem izjazvivśikhsja rubcov i troficeskikh jazv ACS Bogomolca. In: Vopr. khir. vojny (Gorky gosud. med. inst.) Gorky, 1946, 316–34.—**Bętkowski, T.** Leczenie ropni i zapaleń 3% rozczynem dwuwęglanu sodu. Lek. wojsk., 1932, **19:** 627–32.—**Cuscianna, P.** Ulcera fagedenica serpiginosa (datante da 10 mesi) trattata con vaccino di Nicolle. Ann. med. nav., Roma, 1937, **43:** 224–8.—**Deney.** Un cas d'ulcères phagédéniques des pays chauds. Arch. méd. pharm. nav., 1937, **127:** 597.—**Ferguson, C.** Fluorescence as a therapeutic aid in the treatment of phagedenic and chronic ulcers. Mil. Surgeon, 1929, **65:** 390–3.—**Mujica Gamboa, E.** Fagedenismo y gangrena. Rev. san. nav., Valparaíso, 1938, **8:** 30.—**Pechnikov, J. D.** [Wet dressing treatment of persistent ulcers following war traumas] Hosp. delo, 1944, No. 3, 30.—**Pecorario, R.** Osservazioni e ricerche su alcuni casi di fagedenismo (contributo alla interpretazione etiologica del tagedinismo) Gior. med. mil., 1926, **74:** 296–303.—**Sharp, W. T.** A treatment for indolent ulcers of psychotic patients. Med. Bull. Veterans Admin., 1942–43, **19:** 191.—**Walters, W., & Butt, H. R.** Management of ulcers among Naval personnel. Collect. Papers Mayo Clin. (1943) 1944, **35:** 9–15.

ULITHI Islands.

See **World War II.**

ULNA.

See also **Leg.**

Retat, L. A propos d'une observation de reposition sanglante d'une luxation postérieure de l'extrémité inférieure du cubitus. Bull. Soc. méd. mil. fr., 1947, **41:** 106.

ULNAR artery.

See also **Cardiovascular system.**

McLaughlin, C. W., jr. Traumatic aneurysm of the ulnar artery; report of a case. U. S. Nav. M. Bull., 1944, **42:** 428–30.

ULNAR nerve.

See also **Nervous system.**

Peschel, M. Neuritiden des Nervus ulnaris bei Fernsprechvermittlungspersonal. Deut. Militärarzt, 1944, **9:** 333.—**Stabins, S. J., & Mathews, W. H.** Traumatic ulnar nerve palsy; neurolysis and transposition of nerve the operation of choice. U. S. Nav. M. Bull., 1943, **41:** 1381–8.

ULTRASOUND.

For its use see also **Foreign body,** Localization; **Vibration.**

Chan, G. S., Barmack, J. E., & Coakley, J. D. The effects of ultrasonic vibrations on man. 41 l. 28cm. Port Washington, 1948.

Forms No. 151–1–15, Rep. Spec. Dev. Center U. S. Off. Nav. Res.

Lepeškin, W. W., & Goldman, D. E. Changes in the structure of cells on exposure to ultrasound. 15p. 26½cm. Bethesda, 1949.

Forms Rep. No. 3, Res. Proj. NM 004 001, U. S. Nav. M. Res. Inst.

Davis, H. Biological and psychological effects of ultrasonics. Med. News Lett. Aviat. Suppl., Wash., 1947–48, **9:** No. 8, 5–8.—**Della Monica.** Gli ultrasuoni in biologia. Ann. med. nav., Roma, 1939, **45:** 356–62.—**Lethal** effect of ultrasonics on mice and insects. Armed Serv. Res. Rep. Insect & Rodent, 1948, 72–7.—**Sonic** and ultrasonic measurements in turbo-jet aircraft. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 12, 9

ULTRAVIOLET lamp.

See also **Dermatology,** Therapeutics.

Calhoun, F. E., & Isbell, N. P. Filtered ultraviolet lamp constructed in the field. Air Surgeon Bull., 1945, **2:** 405.

ULTRAVIOLET radiation.

See also **Radiation.**

Heinmets, F. Human protection from ultraviolet radiation. 13 l. 27cm. Camp Lejeune, 1949.

Forms Rep. No. 1, Res. Proj. NM 004 004, U. S. Nav. M. Field Res. Laborat.

Anderson, W. T., jr. Therapeutic ultraviolet and the war. Arch. Phys. Ther., 1943, **24:** 595–7.—**Bidou, G.** De la lumière ultra-violette; ses applications à la médecine et à la chirurgie. Bull. Soc. méd. mil. fr., 1910, **4:** 111–8.—**De Ment, J.** Ultraviolet light goes to war. Mil. Engin., 1943, **35:** 412–4.—**Effect** of ultraviolet irradiation, Knott technic, on blood oxygen content and capacity. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 19.—**Eftal Aşar** [Ultra-violet rays] Askerî sihhiye mecmuası, 1938, **67:** 25–37.—**Gage, H. P.** Hygienic effects of ultraviolet radiation in daylight. J. R. Nav. M. Serv., 1930, **16:** 188–98.—**Heymann, W.** Studien über die Einwirkung ultravioletter Strahlen auf die menschliche Haut. Deut. Militärarzt, 1942, **7:** 653–5.—**Iliescu, C. N.** [Accidents, indications and contraindications in treatments with ultra-violet rays] Rev. san. mil., Bucur., 1930, **29:** 430–3.—**Kennedy, R. L.** Ultraviolet light prophylaxis. J. R. Nav. M. Serv., 1944, **30:** 107–15.—**Kuppenheim, H. F., & Krebs, A. T.** Spectrophotometric studies of the effect of ultraviolet radiation on the skin. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 4, No. 10, 1.—**Kurśakov, N. A.** O diagnostiċeskom znaċenii ultra-fioletovykh luċej. Izv. Voen. med. akad., S. Peterb., 1913, **26:** 36–40.—**Lo Schiavo, R.** Attinoterapia a bordo di un sommergibile in lunga missione di guerra. Ann. med. nav., Roma, 1949, **54:** 509–12, pl.—**Moshkovsky, M.** Effect of ultra-violet rays on the working capacity] Voen. san. delo, 1936, No. 4, 22–9.—**Shamraevsky, S. M.** O vyċislenii biodozy pri ultrafioletovykh oblućenijakh. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 220–31.—**Tindall, W. J.** Effect of ultra-violet radiation on metabolism. Mil. Surgeon, 1926, **59:** 186.—**Ultra** violet radiation. Med. Bull. U. S. First Army, 1947, **2:** No. 3, 9–11.—**Visual** aids: eye lotion [effect of UV rays] Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 281, 1–3.

UMBILICAL hernia.

Parsons, H. H. Infantile, acquired, hernia at the umbilicus in soldiers. Mil. Surgeon, 1940, **87:** 298–300.—**Popp, A.** [Case of umbilical hernia; operative treatment and recovery] Rev. vet. mil., Bucur., 1937, **8:** 97–9.—**Tamayo S., E.** Hernias umbilicales; consideraciones sobre técnica operatoria. Rev. san. mil., Habana, 1944, **8:** 163–8.—**Vokoun, F. J.** Umbilical hernia; case report. Mil. Surgeon, 1938, **82:** 416.

UNALASKA.

See **World War II.**

UNCONSCIOUSNESS.

See also **Blackout of pilot; Syncope.**

Macintosh, R. R., & Pask, E. A. Floating posture of the unconscious body. 3 l. 31½cm. Lond., 1943.

Forms F. P. R. C. No. 550, Gr. Brit. Flying Pers. Res. Com.

UNDERWATER explosion.

See **Immersion blast.**

UNDULANT fever.

Reports of the commission appointed by the Admiralty, the War Office, and the Civil Government of Malta, for the investigation of Mediterranean fever, under the supervision of an advisory committee of the Royal Society. Pts 1–7. 8°. Lond., 1905.

Also J. R. Army M. Corps, 1905, **5:** 77; passim; 1906, **6:** 381; passim; 1907, **7:** 1; passim.

Amaro, J. Brucelosis. Med. & cir. guerra, 1947, **9:** 11–7.—**Brucellosis.** Med. Bull. U. S. First Army, 1948, **3:** No. 10, 3–5.—**Cotlove, H. J.** Conference on brucellosis. Profes. Staff Proc. Halloran Gen. Hosp., 1946, **1:** No. 2, 3–14.—**Domansky, F.** [Bang's disease in human beings] Voj. zdrav. listy, 1938, **14:** 51–8.—**Moorehead, M. T.** Undulant fever. Med. Bull. Veterans Admin., 1932, **8:** 195–200.—**Opizzi, J.** Brucelosis [fiebre ondulante, melitococcia] Rev. san. mil., B. Air., 1937, **36:** 551–73.—**Phease, R. N.** Undulant fever. J. R. Army M.

Corps, 1933, **61**: 296–300.—**Runge, S.** Brucellosis (febris undulans) Lek. wojsk., 1943, **35**: 37–46.—**Scott, J. W.** Brucellosis. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 3, 19–24.—**Simpson, W. M.** Undulant fever. U. S. Nav. M. Bull., 1931, **29**: 581–91. ——— Brucellosis; undulant fever [with bibliogr.] Ibid., 1941, **39**: 339–67.—**Thompson, W. T.**, jr. Brucellosis. Bull. U. S. Army M. Dep., 1946, **5**: 119–22.—**Undulant** fever. J. R. Army M. Corps, 1938, **71**: 332–6.—**Villar, C. F.** Fiebre ondulante. Mem. Convenc. méd. mil. mex., 1936, 243–6.—**Walther, K.** Brucellosis. In: Wehrhygiene (Handloser, S.) Berl., 1944, 96.

—— Cases.

Auringer, H. E. Undulant fever, report of a case. Mil. Surgeon, 1929, **65**: 696–701.—**Chekulaev, G. N.** Slučaj brucelleza. Voen. san. delo, 1940, No. 6, **87**.—**Crivellari, C. A., & Opizzi, J.** Dos casos de fiebre ondulante con una misma fuente de contagio. Rev. san. mil., B. Air., 1941, **40**: 627–38.—**Gauthier, M. M. I., & Blan.** Au sujet d'un cas de fièvre de Malte, accompagné au cours de son évolution d'une angine de Duguet et d'une bacilloscopie positive fugace sans lésions pulmonaires cliniquement et radiologiquement décelables. Bull. Soc. méd. mil. fr., 1938, **32**: 287–90.—**Harris, H. J.** Chronic brucellosis with recurrent iritis, hemiplegia, and death from a complicating diffuse encephalitic encephalomalacia. U. S. Nav. M. Bull., 1943, **41**: 517–20.—**Loewy, I. D.** Malta fever, with report of four cases. U. S. Veterans Bur. M. Bull., 1930, **6**: 635–41.—**O'Flynn, J. A.** A case of undulant fever due to Brucella abortus infection. J. R. Nav. M. Serv., 1934, **20**: 256–8.—**Suhăţeanu, C., & Panaitescu, G.** [Case of undulant fever] Rev. san. mil., Bucur., 1933, **32**: 207–10.—**Thompson, W. T.**, jr. Brucellosis; a case report. Med. Bull. North Atr. Theater U. S., 1944, **2**: 62–4.

—— Clinical aspect.

Criscuolo, E. La brucelosis aguda. Rev. san. mil., B. Air., 1944, **43**: 690–704.—**Ragoza, N. I.** [Clinical aspect and diagnosis of acute septic forms of brucellosis] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 518–28.—**Shaw, E. A.** The ambulatory type of case in Mediterranean or Malta fever. J. R. Army M. Corps, 1906, **6**: 638–45.

—— Complications.

Bonsfield, L. A case of Malta fever with ulcerations of the small intestine. J. R. Army M. Corps, 1906, **7**: 174–7.—**Farjot.** Orchite mélitococcique. Bull. Soc. méd. mil. fr., 1935, **29**: 290–3.—**Gent, J. C., & Birt, C. H.** A case of undulant fever complicated by nephritis. J. R. Nav. M. Serv., 1938, **24**: 240–2.—**Kennedy, J. C.** Notes on a case of chronic synovitis, or bursitis, due to the organism of Mediterranean fever. J. R. Army M. Corps, 1904, **2**: 178–80. ——— A case of double and simultaneous infection by the organisms of enteric and of Malta fever. Ibid., 1905, **4**: 364–8.—**Samut, R.** Paratyphoid infection during the course of Mediterranean fever. Ibid., 1908, **11**: 302–4.—**Sumner, J. W.**, jr. Epidural abscess secondary to brucellosis, Brucella suis. U. S. Armed Forces M. J., 1950, **1**: 218–21.

—— Diagnosis.

Spink, W. W. Diagnosis and management of brucellosis, undulant fever. 9p. 27cm. Wash., 1949.

Forms Techn. Bull. TB 10–49, U. S. Veterans Admin.

Criscuolo, E. El esternomédulocultivo como elemento diagnóstico de la brucelosis. Rev. san. mil., B. Air., 1944, **43**: 1115–29.—**McNaught, J. G.** Malta fever and simple continued fever, the serum reaction and retrospective diagnosis. J. R. Army M. Corps, 1909, **12**: 415–20.—**Prickman, L. E.** The diagnosis and treatment of undulant fever. Mil. Surgeon, 1939, **84**: 612.—**Rainsford, S. G.** Laboratory methods of diagnosis of brucella infections. J. R. Nav. M. Serv. 1933, **19**: 1; 77.

—— Epidemiology.

Bruce, D. Recent researches into the epidemiology of Malta fever. J. R. Army M. Corps, 1907, **8**: 225–35.—**Jullien.** Note sur l'importance des brucelloses humaines dans le milieu militaire. Ann. hyg., Par., 1940, n. sér., **18**: 317.

—— Etiology.

Bassett-Smith, P. W. The etiology of Mediterranean or undulant fever from a naval standpoint. Brit. M. J., 1904, **2**: 324. ——— Our present knowledge of the etiology of Mediterranean fever, with special reference to the Royal Navy. J. R. San. Inst., 1906, **27**: 375–81 (Abstr.) ——— The relationship of undulant fever of man to epidemic abortion of animals. J. R. Nav. M. Serv., 1927, **13**: 258–63.—**Brancato, F.** Ricerche istologiche su sacchetti di collodio contenenti culture di Brucella abortus. Ann. med. nav., Roma, 1934, **40**: pt 1, 1–7.—**Bruce, D.** On the etiology of Malta fever. Army M. Dep. Rep., Lond. (1890) 1892, **32**: 365–70.—**Burnet, E.** Etiologie de la fièvre ondulante. Arch. méd. pharm. nav., 1933, **123**: 7–9. Also Ann. med. nav., Roma, 1933, **39**: pt 1, 83.—**Horrocks, W. H.** Experiments on the mode of conveyance of the Micrococcus melitensis to healthy animals. J. R. Army M. Corps, 1905, **5**: 311–40.—**Shaw, E. A.** Interim report of experimental work in the investigation of Mediterranean fever, dealing with blood, skin, sweat, filtrations, agglutinating serum, and various inoculations on different animals. Ibid., 456–71.

—— Incidence.

Ashford, M., & Quinnell, E. Undulant fever in Territory of Hawaii. Mil. Surgeon, 1930, **67**: 617–20.—**Bassett-Smith, P. W.** Further notes on the distribution of Mediterranean fever in the fleet, with reference to its etiology. J. Trop. M., Lond., 1906, **9**: 284.—**Birt, C.** Mediterranean fever in South Africa. J. R. Army M. Corps, 1906, **6**: 1–5.—**Bonsfield, L.** Malta fever in the Sudan. Ibid., 1908, **11**: 596–9.—**Brucellosis.** Month. Health Rep. Mil. Distr. Washington, 1949, **2**: No. 6, 13.—**Cabanes, E.** La fiebre ondulatoria del Mediterráneo en la region Ceuta-Tetuán. Rev. san. mil., Madr., 1914, 3. ser., **4**: 93–7.—**Cottes, J. D. de.** Fiebre mediterránea ó de Malta en España. Ibid., 1908, **2**: 325; passim.—**Criscuolo, E.** Indice de infección brucelosa en la provincia de Córdoba. Rev. san. mil., B. Air., 1946, **45**: 376–83.—**Dargein.** Mélitococcie (étude clinique des cas observés depuis 1920 à l'Hôpital Sainte-Ann) Arch. méd. pharm. nav., 1926, **116**: 89–111.—**Duliscouët & Soubigou.** Étude clinique et biologique des premiers cas de fièvre ondulante dans le Département de la Manche. Ibid., 1937, **127**: 724–37.—**Ferloni, A. V. J.** Nuevo caso de fiebre de Malta autóctono de la provincia de Tucumán. Rev. san. mil., B. Air., 1942, **43**: 512–5.—**Fowler, C. F. P.** Mediterranean fever in Gibraltar in 1909. J. R. Army M. Corps, 1910, **15**: 54–62.—**Glass, J.** Bruceloza wśród uchodźctwa polskiego w Teheranie w latach 1942–45. Lek. wojsk., Edinb., 1946, **37**: 102–10.—**Holt, R. L., & Reynolds, F. H. K.** Malta fever and its prevalence along the Mexican Border. Mil. Surgeon, 1925, **56**: 414–24.—**Horrocks, W. H.** Notes of cases of Mediterranean fever occurring in Gibraltar during 1906. J. R. Army M. Corps, 1907, **8**: 426–8.—**Ivanov-Bekleshov, K. F.** [Malta fever in middle Asia] Voen. med., J., Moskva, 1932, **2**: 80–4.—**Kennedy, J. C.** Malta fever in the Military Hospital, Valletta, Malta, during the years 1897 to 1904. J. R. Army M. Corps 1905, **4**: 634–46.—**Montel, E. L.** Réflexions sur les rapports de la fièvre ondulante avec la collectivité militaire; quelques points d'histoire de la fièvre ondulante. Rev. Serv. san. mil., Par., 1937, **107**: 69–90.—**Nicolle, C.** Sur l'existence en Tunisie de la fièvre méditerranéenne. Caducée, Par., 1904, **4**: 322.—**Niyazi Sayan** [Two cases of Malta fever in Diyarbakir and the results of cultures of coagulated blood] Askerî sıhhiye mecmuası, 1939, **68**: 19–24.—**Rainsford, S. G.** Undulant fever, with special reference to cases seen in Malta. J. R. Nav. M. Serv., 1935, **21**: 81; 182.—**Rohow, F. M.** Undulant fever in China; report of a typical case. U. S. Nav. M. Bull., 1931, **29**: 664–7.—**Ross, E. H.** The prevalence of Mediterranean fever in Port Said. J. R. Army M. Corps, 1906, **6**: 33–41, map.—**Simpson, R. J. S., & Birt, C.** Malta fever from the Blue Nile. Ibid., 1908, **11**: 593–6.—**Strachan, P. D.** Undulant fever in South Africa. S. Afr. M. Rec., 1906, **4**: 345–51. Also J. R. Army M. Corps, 1907, **9**: 83–97. ——— & **Birt, C.** Malta fever in South Africa. Ibid., 1909, **13**: 153–65.—**Walther, K.** Latente Bangkrankheit im Heere. Deut. Militärarzt, 1937, **2**: 1–13.

—— Pathology.

Criscuolo, E. Las aglutininas postmelitínicas en infectados y no infectados por brucelas. Rev. san. mil., B. Air., 1946, **45**: 634–8.—**Mazzucconi, M.** Sulle lesioni determinate dall'infezione sperimentale da Micrococcus melitensis sull'occhio. Ann. med. nav., Roma, 1927, **33**: 14–22.—**Suhateanu, C., & Albescu, V.** Contribution à l'étude de la brucellose chez l'homme. Rev. san. mil., Bucur., 1935, **34**: 343–52.

—— Treatment.

Kacenovich, A. L. [Sulfidin in treatment of acutely septic forms of brucellosis] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 529–38.—**Kleinman, S. B.** Treatment of undulant fever with sulfanilamide. Med. Bull. Veterans Admin., 1941–42, **18**: 161–5.—**Le Chuiton & Négrié.** Deux cas de mélitococcie traités par les dérivés acridiniques et réflexions sur ce mode de traitement. Arch. méd. pharm. nav., 1931, **121**: 5–14.—**Mascaró, D.** Contribución al tratamiento de la fiebre de Malta. Rev. san. mil., Lima, 1948–49, **21**: 43–53.—**Montel.** Deux nouveaux cas de fièvre ondulante guérie à la suite d'une injection unique d'endo-proteine d'abortus. Bull. méd. mil. fr., 1929, **23**: 101–4.—**Morrison, R. J. G.** Two cases of undulant fever treated with sulphanilamide. J. R. Army M. Corps, 1940, **75**: 45–7.—**Todd, M. L.** Two cases of Malta fever treated with mercurochrome. Mil. Surgeon, 1927, **61**: 34. ——— Case report of undulant fever treated with mercurochrome. Ibid., 1933, **72**: 37–9.

UNFIT.

See also **Disabled,** Employment; **Fitness; Medical examination; Neuropsychiatric examination,** Diagnostic aspect; **Psychopath; Rejection.**

Brosin, H. W. The unfit; how to use them. Psychosomat. M., 1943, **5**: 342–50.—**Ebaugh, F. G.** Misfits in the military service. Dis. Nerv. Syst., 1943, **4**: 293–8.—**Gerstle, M.**, jr, **Wagner, R. L., & Lodge, T.** The inapt Naval recruit. U. S.

Nav. M. Bull., 1943, 41: 480–92.—**Hamilton, S. W.** The problem of the military rejects and casualties. Virginia M. Month., 1943, 70: 602–5.—**Menninger, W. C.** The mentally unfit; detection, elimination, and disposal. Proc. Inst. M. Chicago, 1944–45, 15: 216–8. Also Dis. Nerv. Syst., 1945, 6: 109–14.—**Silveira, A.** Aproveitamento dos inaptos em serviços auxiliares da guerra; orientação, de acôrdo com as aptidões. Impr. méd., Rio, 1945–46, 21: No. 380, 39–47.—**Stearns, A. W.** Unfit personalities in the military services. In: Person. & Behav. Discord. (Hunt, J. M.) N. Y., 1944, 2: 822–32.—**Unfit** (The); how to exclude them and how to use them. Psychosomat. M., 1943, 5: 323–63.

UNIFICATION.

Bourguignon, R. Faut-il fusionner les services sanitaires de la Marine, de l'Armée et des Colonies? Rapp. Congr. internat. mer, 1946, 3. Congr., 559–61.

UNIFORM.

See also **Cadet Corps; Clothing; Dermatitis; Pharmacy**—by countries: Spain.

Brunton, Sir T. L. Soldiers' health and soldiers' dress. 5p. 21cm. Lond., 1914 [?]

In his Collect. Papers, Lond., 1893–1914, 2: No. 105.

Lee, D. H. K., White, C., & Kelso, W. T. Studies of evaporation from an artificial skin underneath service clothes. 11p. 34cm. Brisbane, 1945.

Forms No. 2, Open Rep. Fatigue Laborat. Nat. Health M. Res. Counc. Australia.

Trumper, M., Kerkian, A., & Hyslop, F. L. Dermatitis from wearing blue uniforms; enlisted men. 5p. 26½cm. Bethesda, 1944.

Forms Rep. No. 11, Res. Proj. X-180, U. S. Nav. M. Res. Inst.

American military dress in the war of 1812; general and staff officers. J. Am. Mil. Inst., 1940, 4: 55–64.—**Bock, E.** Die Bekleidung bei der Kriegsmarine. In: Wehrhygiene (Handloser, S.) Berl., 1944, 454–6.—**Boigey, M.** Coleur des uniformes militaires et mimétisme. Presse méd., 1927, 35: 555.—**Coronel** del regimiento de Mallorca de infantería española que estuvo de guarnición en Montevideo a fines del siglo XVIII [Illust.] An. Fac. med., Montev., 1944, 29: 213.—**Crossman, E. C.** Needed; a new Army uniform; an argument and a suggestion regarding a change in our doughboy's outfit. Sc. Am., N. Y., 1921, 125: 234.—**Dress,** the most distinguishing mark or a military genius; engraving by James Akin, from Advice to the Officers of the Army, 1813. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 107.—**Laignel-Lavastine & Laplane.** Port illégal d'uniforme militaire par un débile. Ann. méd. psychol., Par., 1933, 91: 335–7.—**Millak, H.** [The military uniform from the view-point of hygiene] Lek. wojsk., 1935, 25: 327–40.—**Nakamoto, K.** Gun-i siki-sō no eiseigaku-teki kenkyū [Hygienic studies on the color of military uniforms] Nippon seikagakkai kaihō, 1925–26, 1: No. 2, 18; passim. Also Gun idan zassi, 1931, 143–80, 2pl.—**Petraček, J.** [Sanitary requirements pertaining to uniforms] Voj. zdrav. listy, 1938, 14: 47–9.—**Roulin.** Le costume du soldat. Bull. Soc. méd. mil. fr., 1947, 41: 92–6.—**Stalker, H.** Masquerading in uniform; a wartime form of psychopathic behaviour. J. Ment. Sc., Lond., 1945, 91: 188–94.—**Trźemesky, I. I.** Izsledovanie i ocenka s higieničeskoj točki zrenija odeždy niźnikh činov russkaho flota. Morsk. vrach, 1913, 518–49.—**Wooders, M. A., & Curtis, D. A.** Additional information on uniforms and insignia. In their Emergency Care, Phila., 1942, 374–7.

—— arctic.

See **Arctic service,** Clothing.

—— Fatigue uniform.

See **Clothing,** special.

—— medical.

Margolis, S. I. Proposed field uniform for hospital corpsmen. 7p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-286, U. S. Nav. M. Res. Inst.

Devices and uniforms of the Navy Medical Corps, 1802–1905. U. S. Nav. M. Bull., 1919, 13: 505–13.—**Epaulard, A.** L'uniforme des médecins militaires. Presse méd., 1907, 15: Annexes, 114; 1908, 16: Annexes, 161.—**Proposed** field uniform for hospital corpsmen. Bumed News Lett., Wash., 1944, 3: No. 11, 25–8.

—— Nurse's uniform.

Experts design new uniforms and service clothing for U. S. Army nurses. Hosp. Management, 1943, 55: No. 3, 47–9.—**Navy** Nurse Corps uniforms. Bumed News Lett., Wash., 1944, 4: No. 8, 29.—**New** uniforms for the Army nurse. Trained Nurse, 1943, 110: 185.—**New** (A) wardrobe for the Army Nurses Corps. Am. J. Nurs., 1943, 43: 240–2.—**Uniforms** of U. S. Cadet Nurse Corps. J. Am. M. Ass., 1943, 122: 1256.—**Wilkinson, L.** Uniform of the Army Nursing Service. Nurs. J. India, 1944, 35: 126.—**Witmer, S. K.** On duty in the Office of the Surgeon General. Johns Hopkins Nurs. Alumnae Mag., 1942, 41: 112.

—— Veterans Administration.

United States. Veterans Administration. Technical bulletin TB 10A–97: Uniforms of personnel at VA centers with domiciliary activities. 2p. 27cm. Wash., 1947. Also change 1. [1]p. 1948.

UNIT.

See also **Aid station; Dental service,** Mobile unit; **Emergency medical field unit; First aid,** Mobile unit; **Malaria control unit; Optical unit; Surgical unit; Tuberculous,** Service units; **Venereal disease,** Treatment units.

See also **Vehicle** subheadings (dental; medical)

India. Civil Defence Department. Air raid precautions; medical memorandum No. 2 (India) Mobile medical units. 18p. 25cm. Delhi, 1943.

United States. Army. Medical Field Service School. Mobile units of the Medical Department. 424p. 24cm. Carlisle Barracks, 1941.

Mobile medical teams. Bull. Army M. Dep., Lond., 1945, No. 49; 3.—**Rigden, G. F.** Mobile units. Brit. M. J., 1941, 2: 751.—**Walther, J. E.** Mobile aid unit for island hopping. Air Surgeon Bull., 1944, 1: No. 11, 18.

UNITED Nations Relief and Rehabilitation Administration.

See also **Relief,** and its subheadings.

United Nations Relief and Rehabilitation Administration. Monthly review. Wash., No. 21, 1946–

—— European Regional Office; UNRRA at work. Lond., No. 1, 1946–

Unrra Review of The Month. Lond., Feb., 1946–

Administrative (The) Organization. Rep. Dir. Gen. U. N. R. R. A., 1944, Sept., 67–95.—**Arnstein, M. G.** Nursing in UNRRA Middle East refugee camps. Am. J. Nurs., 1945, 45: 378–81.—**Friedlander, W.** UNRRA, die internationale Nothilfe der neuen Weltorganisation. Gesundheit, Zür., 1946, 26: 428–34.—**Health,** welfare, and other services. Rep. Dir. Gen. U. N. R. R. A., 1945, Apr.–June, 25–40.—**Sawyer, W. A.** Health problems facing the United Nations Relief and Rehabilitation Administration. Proc. Conf. Health Author. N. America, 1944–45, 59.–60. meet., 153–60.—**Topping, A.** The tasks of U. N. R. R. A.; medical services in liberated countries. Brit. M. J., 1945, 1: 816.—**UNRRA's** health work in Europe. UNRRA, Lond., 1946, Mar, 11–8.

UNITED States.

For references to the country see also in Military Section the following headings: **Aeromedicine; Air Force Medical Service; Civilian defense; Dental care; Dental service; Dentistry; Hospital report;** headings beginning with **Medical** (care; M. department; M. examination; M. officer; M. organization; M. service) **Military medicine; Morbidity; Mortality; Navy medical service; Neuropsychiatric examination; Nurse Corps; Nursing service; Nutrition service; Nutrition survey; Orthopedics; Pharmaceutical service; Pharmacist; Pharmacy Corps; Physician; Preparedness; Prisoner of war; Psychiatry; Psychology; Psychological service; Ration; Recruiting; Rehabilitation; Reserve officer; Sanitary Corps; Sanitation; Surgery; Surgical organization; Surgical service; Tuberculosis geography; Venereal disease; Veteran; Veterinary**

Corps; Wars and campaigns; World War I; World War II.

Ballentine, R. G. The Territorial Papers; a source for military history. Mil. Affairs, 1941, **5:** 241–4.—**Jones, H. W.** Looking backward. Mil. Surgeon, 1935, **76:** 74–83.—**Judd, W. H.** Our prospects for the war and the peace. Proc. Interst. Postgrad. M. Ass. N. America (1944) 1945, 223–35.—**Lull, G. F.** Extracts from old sanitary reports. Mil. Surgeon, 1934, **74:** 143–7.—**MacEachern, M. T.** The doctor and the hospital in war. Bull. Am. Coll. Surgeons, 1942, **27:** 93–101.—**Medical** members of new Research Board for National Security. J. Am. M. Ass., 1945, **127:** 529.—**Momonoi, T.** Oh-Bei ryokō dan [Tales of travel in America and Europe] Gun idan zassi, 1927, 929–38.—**National** (The) Conference on Planning for War and Post War Medical Services, Mar. 15, 1943. North Carolina M. J., 1943, **4:** 144.—**Padilla, V. M.** Un viaje de 60 días por los Estados Unidos, auspiciado por la Oficina sanitaria pan americana. Rev. san. mil., Habana, 1943, **7:** 71–9.—**Problem** (The) of medical attention to the civilian population in America during the present World War. South. M. & S., 1942, **104:** 147.—**Research** Board for National Security. Bull. U. S. Army M. Dep., 1945, No. 87, 23. Also Science, 1945, **101:** 226–8.—**Spindler, G. D.** American character as revealed by the military; descriptions and origins. Psychiatry, Balt., 1948, **11:** 275–81.—**Te Bockhorst, C. J.** Militaire kleeding in het bijzonder voor den officier van gezondheid. Mil. geneesk. tschr., 1904, **8:** 1–8.

UNITED States Air Force.

For references see chiefly the following headings: **Air Force; Dental service; Hospital report; Medical care; Morbidity; Neuropsychiatric examination; Psychiatry; Psychological service; Ration; Rehabilitation; Sanitation; Venereal disease; Veterinary service.**

UNITED States Army.

For references see especially: **Aeromedicine;** headings **Dental** (care: Corps; health; service) **Dentistry; Hospital report;** headings **Medical** (center; Corps; Department; examination; officer) **Morbidity; Neuropsychiatric examination; Nurse Corps; Nursing service; Pharmacy; Psychiatry; Psychological service; Ration; Rehabilitation; Reserve officer; Tuberculosis geography; Venereal disease; Veterinary service; Wars and campaigns; World War I; World War II.**

UNITED States Navy.

For references see especially the headings: **Aeromedicine; Air Force Medical Service;** headings **Dental** (care; Corps; health; service) **Dentistry; Hospital Corps; Hospital report;** headings **Medical** (Department; examination; officer) **Morbidity; Navy Medical Corps; Neuropsychiatric examination; Neuropsychiatry; Nurse Corps; Nursing service; Pharmacist; Pharmacy; Psychiatry; Psychological service; Ration; Recruiting; Rehabilitation; Reserve officer; Sanitation; Tuberculosis geography; Venereal disease; World War I; World War II.**

UNITED States Public Health Service.

See also **Health service,** Relation to public health; **Public health; World War II.**

Mountin, J. W., & Kovar, E. B. Emergency health and sanitation activities of the Public Health Service during World War II. 96p. 23cm. Wash., 1949.

Forms No. 302, Pub. Health Bull., Wash.

Draper, W. F. Present policies and activities of the United States Public Health Service. Mil. Surgeon, 1942, **90:** 123–30. ——— Wartime responsibilities of the United States Public Health Service. N. England J. M., 1943, **229:** 639–42.—**Lobo, A.** O Serviço de saúde norte-americano em campanha. Rev. med. mil., Rio, 1942, **31:** 449–54.—**Paquin, O.,** jr. U. S. Public Health Service at war. Desmos, S. Paul, 1943, **49:** 82.—**Parran, T.** The work and aims of the United States Public Health Service. Mil. Surgeon, 1939, **84:** 411–4. ——— Wartime problems of the Public Health Service. Fed. Bull., Chic., 1942, **28:** 302–6. Also J. Am. M. Ass., 1942, **118:** 1033. ——— Medical education and the war; United States public health service. Ibid., **119:** 1259–61. ——— The United States Public Health Service and the war. Ibid., 1943, **122:** 1092. ——— The United States Public Health Service in the war. In: Doctors at War (Fishbein, M.) N. Y., 1945, 249–73, 4 pl.—**United States** Public Health Service. Mil. Surgeon, 1940, **87:** 183; 378.—**Van Auken, H. A.** Activities of the United States Public Health Service group; 1941 to 1943. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 1, 38–40.—**War** program of the Public Health Service. Pub. Health Rep., Wash., 1918, **33:** 1627–32.—**War** (The) program of the United States Public Health Service. Mod. Hosp., 1917, **9:** 292.—**Williams, C. L.** The Public Health Service in war. Mississippi Doctor, 1942–43, **20:** 130–2.

UNIVERSAL military training.

See also **Selective Service; Selective Service Act.**

United States. Congress. Senate. Universal Military Training; hearing before a subcommittee of the committee on military affairs U. S. Senate, 64th Congress, second session on S. 1695; a bill to provide for the military and naval training of the citizen forces of the United States; printed for the use of the Committee on Military Affairs. 1178p. 8° Wash., 1917.

Brumbaugh, A. J. Universal military training. Bull. Am. Ass. Univ. Professors, 1944, **30:** 500–11.—**Cohen, R. R.** Attitude conditioning for post-war trainees. Mil. Surgeon, 1946, **98:** 496–9.—**LeDoux, L. A.** Health, manpower and universal military training. South. M. J., 1948, **41:** 1061–4.—**Reed, C. E.** The benefits of compulsory military training. J. Indiana M. Ass., 1921, **14:** 105–8.—**Silvers, E. R., & Myers, A. F.** Universal military training? Surv. Graphic, 1948, **37:** 24–7.—**Stöcker, H.** Der Kampf gegen die Wehrflicht in Russland. Neue Generation, 1924, **20:** 309–15.—**Warbasse, J. P.** The military conscription of youth. Long Island M. J., 1918, **12:** 100–5.

UNIVERSAL military training experimental unit.

Morbidity in the Universal Military Training Unit at Fort Knox, Kentucky. Health U. S. Army, 1948, **3:** No. 2, 2–10.—**Universal** (The) Military Training Experimental Unit at Fort Knox, Ky, second half year; third half year. Ibid., No. 8, 2; 1949, **4:** No. 7, 1.

UNIVERSITY.

See also **Preparedness; Research,** Organization; **Science,** Organization; **Scientist; Student.**

Attività delle università tedesche durante la guerra. Fol. med., Nap., 1941, **27:** 719.—**Badger, H. G., & Frazier, B. W.** Effects of the war upon colleges and universities, 1943–44. Bull. Am. Ass. Univ. Professors, 1944, **30:** 264–83.—**Boynton, R. E.** Some problems of the college health service in a nation at war. J. Lancet, 1942, **62:** 146.—**Bushnell, E. R.** The University's great war service. Alumni Reg. Univ. Pennsylvania, 1917–18, **20:** 575–81.—**Capen, S. P.** The government and the colleges in wartime. Bull. Am. Ass. Univ. Professors, 1942, **28:** 587–99.—**Coffey, W. C.** Education is defense. Trends M. Pract. & Res., 1941–42, **3:** No. 2, 3.—**College** and university war problems. J. Ass. Am. M. Coll., 1942, **17:** 124.—**Craig, H.** The universities after the war. Bull. Am. Ass. Univ. Professors, 1943, **29:** 210–7.—**Defense** programs in the colleges. Occupations, 1941–42, **20:** 461.—**Democracy** and education in the current crisis. Bull. Am. Ass. Univ. Professors, 1940, **26:** 631–42.—**Higher** education and the war; a report. Ibid., 1942, **28:** 571–86.—**Higher** education and the war; U. S. Office of Education Wartime Commission. Ibid., 46–66.—**Hutchins, R. M.** The University [of Chicago] in war and peace. Ibid., 1943, **29:** 22–33.—**Limitation** of students. Australas. J. Pharm., 1943, **24:** 125.—**Munro, W. B.** The war, the colleges, and federal aid. Diplomate, 1942, **14:** 281–5. Also Fed. Bull., Chic., 1942, **28:** 196–204. Also J. Am. M. Ass., 1942, **118:** 1030–3.—**Shotwell, J. T.** University war problems. Columbia Univ. Q., 1918, **20:** 225–34.—**Silverman, A.** A 12-month college year; an all-out program. Science, 1942, **95:** 192.—**Stearns, R. L.** The function of a peacetime institution in a wartime enterprise. Am. J. Pharm. Educ., 1942, **6:** 453–64.—**Storey, T. A.** Some national defense problems of universities and colleges. J. Social Hyg., 1941, **27:** 236–9.—**Universities** (The) in war-time. Nature, Lond., 1940, **145:** 319; 1942, **150:** 97.—**University** (Our) Civil War record. Philadelphia Press, 1917, May 8.—**University's** (The) war record. Alumni Reg. Univ. Pennsylvania, 1916–17, **19:** 707–12.—**Willard, A. C.** The university and the war. Science, 1942, **95:** 372.

UNRRA

See **United Nations Relief and Rehabilitation Administration.**

UPPER extremity.

See Extremity; also Extremity injury; Surgical technic, Extremities: Upper extremity.

UPPER respiratory disease.

See Respiratory system, Disease.

URACHUS.

Pérez, B., & Matera, R. F. Quiste supurado del úraco. Rev. san. mil., B. Air., 1942, **41**: 651–8.—**Powers, H. J.** Patent urachus with chronic suppuration. Med. Bull. Veterans Admin., 1941–42, **18**: 446–8.—**Rives, J. D.** Cyst of the urachus. U. S. Nav. M. Bull., 1934, **32**: 205–7.—**Zarriello, J. J.** Urachal cysts and sinuses; discussion and report of a case. Ibid., 1949, **49**: 567–70.

UREA.

Ammatuna, E. S. Determinación cuantitativa de urea en sangre. Rev. san. mil., Asunción, 1944, 257–61.—**Chechan, C.** Micro-uréomètre de précision. Rev. Corps san. mil., Par., 1945, **1**: 62–5. ——— Nécessaire pour le dosage de l'urée sérique. Ibid., 67.—**Frattini, J. F.** Estudio crítico de los métodos de valoración de la urea en sangre; determinaciones comparativas entre urea y nitrógeno no protéico. Rev. san. mil., B. Air., 1942, **41**: 428; 508; 583.—**Turner, M. H.** Comparison of methods for determining blood urea nitrogen. Med. Bull. Veterans Admin., 1940–41, **17**: 240–3.

UREMIA.

Allbee, R. H., & Mayfield, J. L. Successful treatment of case of uremia by means of peritoneal irrigation. Mil. Surgeon, 1948, **102**: 348–50.—**Fidler, A.** Patogeneza mocznicy prawdziwej. Lek. wojsk., 1941, **34**: 92–4.—**Kovsi, M.** Uremia (moćekrovie) In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 646–50.—**López, A.** Crisis urémicas. Rev. san. mil., Lima, 1942, **15**: 99–101.—**Meessen, H.** Hypochlorämische Urämie nach Kriegsdienstbeschädigung; ein vertrauensärztliches Gutachten. Deut. med. Wschr., 1940, **66**: 658–60.—**Sterling-Okuniewski, S.** [Uremia] Lek. wojsk., 1930, **16**: 386–95.—**Walsh, E. L.** Pronounced azotemia; report of two cases. Med. Bull. Veterans Admin., 1942–43, **19**: 208–11.—**Weiss, H. A., & Mills, R. L.** Treatment of uremia with continuous peritoneal irrigation. U. S. Nav. M. Bull., 1946, **46**: 1745–50.

—— Anuria.

See also Nephritis.

Lowe, E. S. Renal decapsulation in the treatment of oliguria and anuria. U. S. Nav. M. Bull., 1947, **47**: 959–64.—**Lozner, E. L., Farr, L. E., & Gibson, S. T.** Anuria and oliguria in battle casualties. Bumed News Lett., Wash., 1945, **5**: 11–3.—**Masselot.** Anurie vraie ayant cédé à un traitement novocaïnique intraveineux. Bull. Soc. méd. mil. fr., 1946, **40**: 39.—**Pugh, H. L.** Posttraumatic urinary suppression; shock as a causative entity. U. S. Nav. M. Bull., 1945, **45**: 859–73.—**Răileanu, T., & Manolescu, A.** Consideraţiuni asupra unui sindrom azotemic prin cloropenie în cursul unei nefrite adulte. Rev. san. mil., Bucur., 1937, **36**: 651–7.—**Walton, A. J.** A case of anuria. J. R. Nav. M. Serv., 1945, **31**: 58.—**Yazima, S.** Hansya-sei munyō-syō no kyōmi-aru iti tiken rei [Eine Erfahrung der reflektorischen Anurie] Kalgun gun ikai zassi, 1937, **26**: 633–6, pl.—**Zdenkovič, A.** Extrarenální anurie. Voj. zdrav. listy, 1949, **18**: 271–4.

URETER.

See also Urogenital apparatus.

Clyne, A. J. A case of severe vesicovaginal fistula treated by ureterocolic implantation. J. R. Army M. Corps, 1940, **74**: 50–2.—**Djukovič, D.** [Filiform stricture of the ureter] Voj. san. glasnik, 1938, **99**: 371.—**Ellis, F. A.** Reno-ureteral colic with hematuria at an advance base hospital. U. S. Nav. M. Bull., 1944, **42**: 1033.—**Ferreira França, M.** Meatoscopia ureteral. Arq. brasil. med. nav., 1943, **4**: 231–5.—**Glazier, M., & Olson, C.** Reno-ureteral colic in the South Pacific Area. U. S. Nav. M. Bull., 1944, **43**: 80–2.—**Maisonnet, P. J. F. R.** Le cathétérisme urétéral, sa valeur diagnostique et therapeutique. Arch. méd. pharm. mil., 1926, **85**: 81–98.—**Malice, A.** Lo sviluppo e le anomalie degli ureteri. Gior. med. mil., 1930, **78**: 684–7.—**Moose, F. M.** Ureteral obstruction; with report and röntgenograms of cases. Mil. Surgeon, 1926, **59**: 179–85, pl.—**Newton, L. A., & Huffman, W. L.** Benign ureteral tumor; report of a case. U. S. Nav. M. Bull., 1949, **49**: 329–32.—**Papo, I., & Petkovič, S.** Implantacija uretera u debelo crevo-ureterosigmoidostomija. Voj. san. pregl., Beogr., 1949, **6**: 67–75.—**Pfeiffer, G. E.** Transplantation of ureter in accordance with Coffey technique. U. S. Veterans Bur. M. Bull., 1929, **5**: 456.—**Roberts, A. L., & Linfield, E. H.** A case of double ureter and double pelvis of kidney. Ibid., 56, pl.—**Vintici, V.** [Case of double ureter] Rev. san. mil., Bucur., 1933, **32**: 85–9.

—— Calculus.

Bláha, J. Extrakce konkrementu z močovodu Zeissovou kličkou. Voj. zdrav. listy, 1948, **17**: 59.—**Cavaliere, G.** Contrlbuto al trattamento incruento della calcolosi ureterale. Gior. med. mil., 1935, **83**: 1104–12.—**Christian, E., & Constantinescu, N.** [Clinical cases of ureteral calculus] Rev. san. mil., Bucur., 1929, **28**: 1–12.—**Christian, E., & Vintici, V.** [Indications for operation in ureteral lithlasis] Ibid., 1930, **29**: 67–9.—**Colborne, J., & Walsh, D. F.** Two cases of ureterlc calculi. J. R. Nav. M. Serv., 1934, **20**: 260–6.—**Frobisher, J. H. M.** Case of stone in the ureter. J. R. Army M. Corps, 1921, **37**: 459, pl.—**Gill, G.** A method of roentgenological localization of ureteral obstruction caused chiefly by non-radio-opaque indistinguishable calculi. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 5, 17.—**Lacal, F.** Litiasis ureteral derecha y apendicitis aguda; diagnóstico diferencial. Rev. san. mil., B. Air., 1938, **37**: 822–31.—**Merritt, E. L.** Ureteral stone. U. S. Nav. M. Bull., 1930, **28**: 29–34.—**Ornacky, N.** [Ureteral calculus erroneously diagnosed as acute intestinal obstruction and unnecessary laparotomy] Tr. Acad. mil. méd. Kiroff, 1936, **7**: 199–201.—**Parker, E. E., & LeDue, I. E.** Lumbar sympathetic block in the treatment of ureteral calculus. J. Mil. M. Pacific, 1946, **2**: No. 2, 15–7.—**Plant, J. H.** Surgical and nonsurgical treatment of renal and ureteral calculi, with a few case reports. Med. Bull. Veterans Admin., 1940–41, **17**: 314.—**Prehn, D. T.** Method for removing ureteral calculi by continuous internal traction. U. S. Nav. M. Bull., 1945, **45**: 695–9.—**Robbins, J. J.** Removal of ureteral calculi by catheter traction with report of three cases. Ibid., 1947, **47**: 954–8.—**Rodríguez Molina, L. F.** El tratamiento de los cálculos del ureter por el caterismo ureteral. San. mil., Habana, 1921–22, **1**: 552–64.—**Solans, L.** Calculosis ureteral; nota radiológica. Med. & cir. guerra, 1948, **10**: 513, pl.—**Stoian, C., & Costescu, P.** Dilataţie chistică a ureterului ileo-lombar consecutivă unei calculoze ureterale la un diabetic, simulând un chist al capului pancreasului. Rev. san. mil., Bucur., 1935, **34**: 475–80, illust.—**Vintici, V.** [Errors in diagnosis; foreign body diagnosed as ureteral calculus] Ibid., 1934, **33**: 45–9.

—— Injury.

Levitanus, M. B. Ognestrelnye ranenlja uretry. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 89–111.—**Schreiber, E.** Die Kriegs-Verletzungen der Harnleiter. Militärsanität, Zür., 1943, **25**: 81.

URETHRA.

See also Penis; Urogenital apparatus.

Culp, O. S. Urethral meatotomy simplified. Bull. U. S. Army M. Dep., 1944, No. 80, 119.—**Pezzi, G.** L'uretrografia. Ann. med. nav., Roma, 1935, **41**: pt 2, 475–90, 12pl.—**Robertson, A. L.** An accessory rudimentary urethra. J. R. Army M. Corps, 1932, **59**: 145, illust.—**Vicuña Monardes, H.** Autoplastía uretral por fístula de la uretra peneana. Rev. san. nav., Valparaíso, 1937, **7**: 201–5.

—— Calculus and foreign body.

Moody, H. C., & Nourse, M. H. Glass stlrring rod in urethra and bladder. U. S. Nav. M. Bull., 1946, **46**: 591.—**Putnam, J. L.** Urethral stone in a thoroughbred mare. Bull. U. S. Army M. Dep., 1944, No. 78, 118.—**Süreyya Atamal** [Case of a pea in the urethra] Askerî sihhiye mecmuası, 1940, **69**: No. 31, 82.

—— Disease.

Barquin y López, F. Una maniobra más en el tratamiento de las retenciones completas de la orina, consecutivas a estrecheces infranqueables de la uretra. Rev. san. mil., Habana, 1937, **1**: 119. ——— La electrolisis en las estenosis uretrales. Ibid., 1940, **4**: 231–8.—**Bernard, L.** Rétrécissement inflammatoire de l'urètre; fistules scrotales et périnéales consécutives; cystostomie; dilatation; guérison. Bull. Soc. méd. mil. fr., 1928, **22**: 46–9.—**Emanuel, M.** The incidence of urethral stricture in urological conditions. Med. Bull. Veterans Admin., 1943–44, **20**: 187–9.—**Santoro, G.** Contributo alla cura delle fistole uretroperineali e considerazioni sulla blenorragia nei militari. Gior. med. Esercito, 1902, **50**: 1271–85.—**Seitz, I. J.** Unrelieved urethral stricture with subsequent kidney destruction. Med. Bull. Veterans Admin., 1939–40, **16**: 272–4.—**Teposu, E., & Popa, I.** Contribuţiuni la tratamentul strictürilor uretrale complicate. Rev. san. mil., Bucur., 1937, **36**: 54–61.

—— Injury.

Alcina Quesada, E. Fractura de uretra con desplazamiento consecutiva a herida de metralla. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 26–8.—**Barrientos Peña, A.** Caso de un proyectil de fusil calibre 7.65mm expulsado espontaneamente por la uretra. Rev. san. mil., La Paz, 1940, **4**: 889–91.—**Bernard.** Plaie contuse de l'urètre pénien par balle; cystostomie; urétrorraphie circulaire au bout de trois mois et demi; guérison. Bull. Soc. méd. mil. fr., 1928, **22**: 137–42.—**Bueno Rodrigo, L.** Contribución al estudio de las roturas recientes de uretra. Med. & cir. guerra, 1947, **9**: 39–49.—**Conger, K.** War wounds of the urethra; a report of 5 cases. J. Urol., Balt., 1944, **52**: 590–5.—**Dubüer, P. A.** Lećenie svišćej 1 suženij moćeispukatelnogo kanala pri povreždenijakh poslednego v voennoe vremja.

Khirurgia, Moskva, 1946, No. 8, 83–6.—**Everidge, J.** Wounds of the urethra. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 256–64. Also 2. ed., Balt., 1942, **1:** 455–62.—Also 3. ed., Edinb., 1944, 949–57.—**Fuchs, B. T.** [Traumatic injuries of the urethra and their complications; diagnosis and treatment. Voen med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 283–7.—**Gayet.** Trois cas de réparation de l'urètre chez des blessés de guerre. Lyon méd., 1918, **127:** 559–63.—**Gersten, S.** Secondary repair of rupture of posterior urethra with case report. Mil. Surgeon, 1944, **95:** 139–43.—**Geschwandtner, R. A.** [The surgeon's tactics in open and closed injuries of the urethra in war and in peace time] Ortop. travmat., 1941, **15:** No. 3, 18–26.—**Leadbetter, W. F.** Repair of complete tear of the membranous urethra; case report and suggested new technique for operation. Med. Bull. North Afr. Theater U. S., 1944, **2:** 70–4.—**MacLean, J. T., & Gerrie, J. W.** Repair of war wounds of the bulbous and membranous urethra using split thickness skin grafts and penicillin. J. Urol., Balt., 1946, **56:** 485–97.—**Pflaumer.** Urethritis nach Granatsplitterverletzung. Deut. med. Wschr., 1944, **70:** 71.—**Poole-Wilson, D. S.** Missile injuries of the urethra. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 81–7.—**Romero Plá, M.** Tres casos de rotura traumática de la uretra. Rev. san. mil., Madr., 1932, **22:** 257–63.—**Shearer, T. P., Wiper, T. B., & Miller, J. M.** Battle injuries of the urethra with urinary fistula. Texas J. M., 1945–46, **41:** 137–40.—**Sommer, R.** Der retrograde Spätkatheterismus bei Verletzung der Harnröhre. Deut. Militärarzt, 1941, **6:** 205.—**Zeiss.** Hochgradige narbige Verengerung des vordersten Abschnittes der Urethra anterior als Folge einer Kriegsverletzung (Oberschenkel-Schrapnellschuss mit Penis- und Skrotum-Verletzung) Zschr. Urol., 1936, **30:** 193.

URETHRITIS.

See also **Gonorrhea.**

Baier, G. F., III. Nonspecific urethritis. Bull. U. S. Army M. Dep., 1949, **9:** 679–87.—**Czaykowski, Z.** Ueber die nichtgonorrhoische Harnröhrenentzündung. Deut. Militärarzt, 1940, **5:** 508 (Abstr.)—**Gray, J.** Nonspecific urethritis. Bull. U. S. Army M. Dep., 1948, **8:** 728–32.—**Heintschel, K.** Ueber die Behandlung der primären nichtgonorrhoischen Urethritis. Deut. Militärarzt, 1938, **3:** 365–8.—**Lacal, F.** El síndrome genital en las uretritis crónicas. Rev. san. mil., B. Air., 1943, **42:** 395–402.—**McDonald, H. E.** The problem of non-specific urethritis. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 9, 9–11.—**MacKay, I., & Kennedy, W. P.** Some cases of non-gonococcal urethritis in the Near East. J. R. Army M. Corps, 1936, **66:** 194–7.—**Resistance** of organisms isolated from cases of nonspecific urethritis to three chemotherapeutic agents. Med. Bull. U. S. First Army, 1947, **2:** No. 5, 21.—**Streptomycin** therapy of penicillin-resistant and sulfonamide-resistant specific and non-specific urethritis. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 21.—**Szczodrowski, H.** [Acridin, used in the treatment of acute urethritis] Lek. wojsk., 1928, **11:** 1–16.—**Tigertt, W. D.** Urethritis. Surgeon Circ. M. Sect. Far East Command, 1948, **3:** No. 3, 12–5.—**Zhilkin** [Brilliant green in treatment of post-gonorrheal urethritis] Voen. san. delo, 1936, 56.

URINAL.

See also under **Arctic service,** Hygiene.

Murray, N. N. Urinal; arctic survival equipment. 7p. 27cm. Dayton, 1949.

Forms No. MCREXD–670–22J, Memo. Rep. Aero M. Laborat. U. S. Air Force.

C., H. J. M. Urinals. J. R. Army M. Corps, 1943, **81:** 38.

URINARY calculus.

See also under **Nephrolithiasis; Ureter; Urethra.**

Brix, W. *Die Nierensteinerkrankung in ihrer Bedeutung für den Wehrdienst [Berlin] 32p. 21cm. Charlottenb., 1941.

Bruns, H. Nierensteinanfälle bei Kriegsverletzten. Deut. Militärarzt, 1944, **9:** 293–5.—**Cawker, C. A.** Urinary lithiasis. Treatm. Serv. Bull., Ottawa, 1947, **2:** No. 10, 14–27.—**Christian, E.** Pielotomia unghiulară in tratamentul chirurgical al calculozei basinetale voluminoasă, procedeu original. Rev. san. mil., Bucur., 1937, **36:** 1095–7, illust.—**Cottle, G. F., & Smith, O. A.** Urinary calculi. U. S. Nav. M. Bull., 1925, **22:** 575–84.—**Culukidze, A. P.** [Urolithiasis as a complication of war traumae] Hosp. delo, 1945, No. 4, 49–53.—**Escat, J.** Les calculeux aux armées. P. verb. Ass. fr. urol. (1918) 1919, **18:** 129–33.—**Frumkin, A.** Poćećnokamennaja bolezn (nephrolithiasis) In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 803–9.—**Fuat** [Indications for surgical treatment in calculus of the urinary tract] Askerî sihhiye mecmuası, 1933, **62:** 83–91.—**Hamm, F. C.** The non-surgical management of stones. Urol. Cont. Paralyzed Patient (U. S. Army) 1945, May, 18–22.—**Iglesias Torre, J.** Conceptos modernos de la litiasis urinaria. Rev. san. mil., Habana, 1937, **1:** No. 2, 44–50.—**Jones, H. C., Flynn, P. I., & Blassberg, J. E.** Crystalluria in the southwest Pacific. J. Mil. M. Pacific, 1945, **1:** No. 4, 28–31.—**Leadbetter, W. F., & Engster, H. C.** The problems of renal lithiasis in convalescent patients. Med. Bull. North Afr. Theater U. S., 1944, **2:** 39.—**Milbert, A. H., & Gersh, I.** Urolithiasis in the soldier. J. Urol., Balt., 1945, **53:** 440–50.—**Moore, F. R.** Calculus disease of the urinary tract. U. S. Nav. M. Bull., 1942, **40:** 67–79, pl.—**Pierce, L. W., & Bloom, B.** Observations on urolithiasis among American troops in a desert area. J. Urol., Balt., 1945, **54:** 466–70.—**Plant, J. H.** Problems of procedure in surgical and non-surgical treatment of renal and ureteral calculi, with a few case reports. Mil. Surgeon, 1940, **87:** 42–5.—**Plisan, O. G.** [Calculi formation in the urinary system in connection with war traumae] Klin. med., Moskva, 1945, **23:** No. 6, 44–8.—**Sadettin Tosun** [Causes of erroneous diagnosis of urinary calculus] Askerî sihhiye mecmuası, 1941, **70:** No. 35, 42–5.—**Satterthwaite, R. W.** Opaque and nonopaque urinary calculi. Bull. U. S. Army M. Dep., 1949, **9:** 640–51.—**Schöneberg & Knetsch.** Ueber Steinerkrankungen in den abführenden Harnwegen. Veröff. Heer. San., 1938, H. 105, 402–14.—**Solcard.** Les coliques néphrétiques à masque occlusif. Arch. méd. pharm. nav., 1939, **129:** 275–81.—**Süreyya Atamal** [Failure of roentgenography in the discovery of urinary calcus in two cases] Askerî sihhiye mecmuası, 1940, **69:** No. 31, 78.—**Vincent, G.** Calculs urinaires aux armées. P. verb. Ass. fr. urol. (1918) 1919, **18:** 126–9.—**Zühdü Sevgen** [Urethral extraction of a urinary calculus in a mare, weighing 285 gr.] Askerî tibbi baytarı mecmuası, 1936, **13:** 330–51.

URINARY organs.

See **Urogenital apparatus.**

URINATION.

Pace, N., & Watson, T. C. Diurnal variation of the total urinary pigment output in normal men. 8p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Proj. X-342, U. S. Nav. M. Res. Inst.

URINE.

See also **Hematuria.**

Italy. Ministero della marina. Direzione generale della sanità militare marittima. Reagentario per analisi delle urine, R. Marina mod. 1939; istruzioni per l'uso del reagentario. 19p. 24½cm. Roma, 1940.

Beetroot causing urine colouration simulating haematuria. Bull. Army M. Dir., Lond., 1942, Jan., 2.—**Bock, J. C., & Neterval, C. R.** A note on the performance of mass urinalysis. Mil. Surgeon, 1942, **90:** 60.—**Casariego, C. S.** Una investigación poco frecuente en los laboratorios. Bol. farm. mil., Madr., 1935, **13:** 97–101.—**Castilla, M. M., & Rivas, J. J.** Algunas observaciones sobre el método Charpentier-Wolhard. Ibid., 1933, **11:** 79.—**Eigenfeld, D.** The importance of microscopy in urinalysis. Bull. U. S. Army M. Dep., 1945, No. 88, 122.—**Haynes, G. O.** Misleading urinalyses. Mil. Surgeon, 1939, **84:** 595–7.—**Isihuku, K.** Ryūdan hoyū-kanzya no nyōtyū ni okeru zyūkinzoku kensaku ni tuite [Detection of heavy metals in the urine of sufferers with retention of bullets] Gun idan zassi, 1938, 789–800.—**Lloyd-Williams, I. H.** Musings on urinary pH values. J. R. Army M. Corps, 1939, **72:** 123–6.—**Petković, S.** Uporedna studija kalcemije i promena u mokraći kod bolesnika imobilisanih zbog koštanih oboljenja i povreda. Voj. san. pregl., Beogr., 1948, **5:** 26–9.—**Rapp, E. W.** Culture of urine catheterized from the kidneys; use of patient's citrated whole blood-agar and other media. Med. Bull. Veterans Admin., 1940–41, **17:** 244–6.—**Sabri.** [L'analyse des urines] Turkish text. Rev. méd. vét. mil., Istambul, 1926, **4:** 42–53.—**Villedieu & Manceau, E.** Recherche de l'acide picrique dans les urines en la présence ou en l'absence de pigments biliaires. Arch. méd. pharm. mil., 1914–15, **64:** 254.

UROBILIN [incl. urobilinogen]

McDonald, R. K., & Kelley, V. C. A more rapid method of determining feces urobilinogen [5] l. 33cm. Randolph Field, 1947.

Forms Rep. No. I, Proj. No. 501, U. S. Air Force School Aviat. M.

Rivas, J. J. Determinación prática de la urobilina en la orina de los palúdicos. Bol. farm. mil., Madr., 1931, **9:** 321–6.—**Simici, D., & Popescu, M.** [Origin of urobilin and its pathogenesis in the course of catarrhal jaundice due to salvarsan treatment] Rev. san. mil., Bucur., 1929, **28:** 455–—**Sophian, L., & Connolly, V.** Estimation of urinary urobilinogen by fluorescence. Mil. Surgeon, 1948, **103:** 387.

UROGENITAL apparatus.

See also **Genitals; Hydrocele; Penis; Prostate; Pyuria; Spermatic cord; Ureter; Urethra.**

Amormino, G. Utero e vagina in un soldato; considerazioni embriogenetiche. Arch. De Vecchi, 1943–44, **6:** 101–39.—**Popescu-Buzeu, M., & Constantinescu, N. N.** Contribuţiuni la studiul compensaţiei funcţionale imediate a rinichiului rămas

după nefrectomie. Rev. san. mil., Bucur., 1937, **36**: 1104–6.—**Rakhlin, L., & Frumkin, A.** Pośki (renes) In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 810–31, 2 pl.—**Walker, F. I.** [Peculiarities of the urinary system in man due to age] Tr. Acad. mil. méd. Kiroff, 1936, **7**: 183–91, 3 pl.

—— Bladder.

Bisher, W. Medico-military possibilities of cystometry and sphincterometry. Mil. Surgeon, 1937, **80**: 287–94.—**Carillon & Pelot.** Evolution et résultats du traitement de l'adénome urétro-prostatique. Bull. Soc. méd. mil. fr., 1949, **43**: 92–4.—**Péré, A.** Sur une fermentation intravésicale. Arch. méd. pharm. mil., 1897, **29**: 437–41.—**Sobolev, I.** Moćevoj puzyr (vesica urinaria) In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1149–61, 2 pl.

—— Bladder: Injury.

Darmaillacq, R. Plaie de la vessie par arme blanche avec porte d'entrée fessière. J. méd. Bordeaux, 1941, **118**: 671.—**García Sánchez, M.** Herida de la vejiga por arma de fuego, con tolerancia del proyectil durante nueve años. Arch. españ. urol., 1946–47, **3**: 360–2.—**Goldin, G. I.** Ognestrelnye ranenija i povreždenija moćevogo puzyrja. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 55–88.—**Grandjean, A.** Blessures de guerre de la vessie. Médecine, Par., 1940, **21**: No. 7, 3–36.—**Kindler, K.** Ueber Blasensteckschüsse. Zschr. Urol., 1943, **37**: 269–77.—**Kukovec, R.** Ratne povrede mokraćnoga mjehura. Voj. san. pregl., Beogr., 1944, **1**: No. 2, 11–3.—**Leuret.** Balle de fusil de guerre extraite d'une véssie vingt et un ans après la blessure. J. urol. méd., Par., 1936, **42**: 354–6.—**Li Gotti, A., & Calzavara, G.** Su una lesione isolata d'arma da fuoco in vescica con proiettile ritenuto. Gior. med. mil., 1947, **94**: 49–52.—**Macalpine, J. B.** Wounds of the bladder. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 247–55; 3. ed., Edinb., 1944, 937–48.—**Munger, A. D.** Bladder injuries; including spinal cord injuries as related to war and civil practice. J. Am. M. Ass., 1944, **124**: 1120–4.—**Negovsky, D. P.** [A case of penetrating wound of the bladder by land mine splinter with subsequent calculus formation] Khirurgia, Moskva, 1942, No. 8, 93.—**Niceley, E. P.** Gunshot wounds of the urinary bladder in wartime. J. Urol., Balt., 1946, **56**: 59–67.—**Smelovsky, V. P.** [Case of shrapnel bullet remaining in the urinary bladder for several years] Nov. khir. arkh., 1938, **42**: 322–4.—**Stogov, V. A.** O nekotorykh osobennostjakh ranenij moćevogo puzyrja. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 174–6.—**Vasiljev, A. I.** [Injuries of the bladder during times of war and peace] Urologia, Moskva, 1937, **14**: 78–93.

—— Disease.

See also **Kidney; Nephritis.**

Vovsi, M. S. Терапия. Разд. 3: Болезни почек. 127p. 26½cm. Moskva, 1950.

Forms v.22, Opyt sovet. med. v Velik. oteć. vojne, Moskva.

Allen, C. D. Indications for urological study with review of 127 cases. U. S. Veterans Bur. M. Bull., 1927, **3**: 876–81.—**Lyons, D. R.** Hyperpyrexia associated with B-Proteus infection of the urinary tract. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 5, 8–10.—**Mason, J. T., & Ratliff, R. K.** Urinary extravasation proximal to the triangular ligament. U. S. Nav. M. Bull., 1949, **49**: 670–80.—**Mathis, M. S.** Congenital abnormalities of the kidney, ureter, and bladder; a report of 10 cases. Ibid., 1934, **32**: 183–9, 2 pl.—**Miekley, J.** Haut-, Harn- und Geschlechtskrankheiten. In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 244–59.—**Newman, H. R.** Renal disease in AAF Regional Station Hospital. J. Urol., Balt., 1945, **54**: 126–39.—**Oltramare, J. H.** Lésions de l'appareil uro-génital. In his Chir. guerre, Lausanne, 1944, 403–10.—**Ostry, H.** A brief survey of urological diseases at Vancouver Military Hospital. J. Canad. M. Serv., 1945–46, **3**: 524–9.—**Popescu-Buzeu, M., & Constantinescu, N. N.** Proba phenolsulfonphtaleinei in patologia urinară. Rev. san. mil., Bucur., 1937, **36**: 1102.—**Riches, E. W.** Genito-urinary problems in the care of the soldier in training. Practitioner, Lond., 1943, **150**: 95–104.—**Rock, J. H.** Sulfanilamide in urology. Med. Bull. Veterans Admin., 1938–39, **15**: 13–5.—**Shafar, J.** Urinary tract infections in the Royal Navy. Lancet, Lond., 1943, **2**: 446–8.—**Streptomycin** therapy in urinary tract infections. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 23.—**Swartz, D.** The management of urinary infections. Treatm. Serv. Bull., Ottawa, 1947, **2**: No. 4, 26–39.—**Temporal, A.** Lesões do aparêlho genito-urinário em cirurgia de guerra. Arq. brasil. cir., 1943, **11**: 185–97. Also Impr. méd., Rio, 1943–44, **19**: No. 363, 39–43.—**Trommer, K.** Feldbeobachtung über gehäuftes Auftreten von Urogenitalneurose. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 86 (Abstr.)—**Vasiljev, A. I.** Urosepsis. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 134–42.—**Voit, K.** Erkrankungen der Nieren und der abführenden Harnwege. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 521–34.—**Vovsi, M.** Nefrozy. In: Enciklopedicheskiy slovar voen. med., Moskva, 1946–48, **3**: 1347–50.—**Wade, H. J.** Renal infantilism. J. R. Nav. M. Serv., 1942, **28**: 257–62.—**Walsh, D. F.** The treatment of non-venercal urinary infections. Ibid., 245–52.

—— Injury.

Fronstein, R. M. Военная травма мочеполовых органов и ее лечение. 156p. 26cm. Moskva, 1947.

Frumkin, A. P. Военная травма мочеполовой системы. 128p. 20cm. Moskva, 1944.

Teneff, S. Le ferite d'arma da fuoco del sistema uro-genitale. p.1023–58. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.)

Young, H. H. Wounds of urogenital tract in modern warfare. p.59–108. 25cm. Balt., 1942.

J. Urol., Balt., 1942, **47**:

Areces Matilla, B. Hidronefrosis como secuela de herida de guerra. Rev. españ. med. cir. guerra, 1942, No. 41, 13–32, illust.—**Cook, E. N.** War injuries of the urinary tract. Proc. Mayo Clin., 1942, **17**: 561–5.—**Culukidze, A. P.** Kamneobrazovanie v moćevykh putjakh kak posledstvie boevoj travmy. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 143–8.—**Dunaevsky, L. I.** [Blessures par arme à feu des reins et de vessie urinalre et leur traitement au rayon de placement de la division] Khirurgia, Moskva, 1940, No. 9, 149–54.—**Epstein, I. M.** Ognestrelnye ranenija poćek i okolopoćećnoj kletćatki. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 22–43, illust. ——— Zakrytye povreždenija poćek. Ibid., 44–8. ——— Ognestrelnye ranenija i povreždenija moćetoćnikov. Ibid., 49–54.—**Feinstein, Z. V.** Travma organov moćepolovoj sistemy v Otećestvennuju vojnu. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav) Stanlinabad, 1945, 118–25.—**Gasparjan, A. M.** Ognestrelnye ranenija polovogo ćlena. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 116–21.—**Golubćanskaja A. V.** K ognestrelnym ranenijam moćetoćnika. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 172.—**Gordon-Taylor, G.** War injuries of the kidney, ureter, and urinary bladder. Postgrad. M. J., 1940, **16**: 125–33, pl.—**Graham, W. H.** Management of injuries to the genito-urinary system during war. J. Urol., Balt., 1947, **57**: 73–8.—**Grube, E.** Ueber Kriegsverletzungen der Harn- und Geschlechtsorgane. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 393–409.—**Hawes, L. E.** Late effects of battle wounds in the genito-urinary tract. J. Urol., Balt., 1946, **56**: 561–83.—**Hellstrom, J.** Urogenitalorganens skottskador i krig. Nord. med., 1941, **9**: 68 (Abstr.)—**Hutter, K.** Schussverletzungen der Harn- und Geschlechtsorgane. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **2**: 131–61.—**Kimbrough, J. C.** War wounds of the urogenital tract. J. Urol., Balt., 1946, **55**: 179–89.—**Küttner, H., & Melchior, E.** Geschlechtsorgane und Harnorgane. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 774–820.—**Lins, E.** Tratamento das lesões gênito-urinárias em traumatologia de guerra. Impr. méd., Rio, 1943, **19**: No. 356, 49–56.—**McGrigor, D. B., & Samuel, E.** The radiology of war injuries; war wounds of the urinary tract. Brit. J. Radiol., 1945, **18**: 121–6.—**Marshall, D. F.** Urogenital wounds in an evacuation hospital. J. Urol., Balt., 1946, **55**: 119–32.—**Maurer, J. E., & Prather, G. C.** A unique late complication of a war injury of the urinary tract. Urol. Cut. Rev., 1948, **52**: 533.—**Melchior, E.** Harnorgane. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 796–820.—**Nakauti, Y.** Hinyō-ki sensyō [War-wounds (incised) of the urinary organs] Tōzai igaku, 1941, **8**: 318–26.—**Neligan, G. E.** War injuries to the genito-urinary tract. In: War Wounds (Brit. M. J.) Lond., 1939, 137–46.—**Nesbit, R. M.** Injuries to the genito-urinary tract complicating orthopedic casualties. In: Lect. Peace & War Orthop. Surg. (Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 309–12.—**Nikolaev, G. F., Rudenko, O. M., & Rusanov, M. N.** Pronikajuśćie ranenija żivota, soprovoždajuśćiesja povreždenijami poćek, moćetoćnikov i moćevogo puzyrja. In: Opyt sovet. med. Velik. oteć. vojne, Moskva, 1949, **12**: 323–49, 3 pl.—**Parker, G. E.** Some observations on a personal series of battle casualties involving the genito-urinary system. Proc. R. Soc. M., Lond., 1946–47, **40**: 804–7. Also Brit. J. Urol., 1947, **19**: 203–5.—**Poole-Wilson, D. S., Mogg, R., & Parker, G.** Wartime injuries of the urinary tract. Ibid., 199–205.—**Prather, G. C.** War injuries of the urinary tract. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 28–36. Also J. Urol., Balt., 1946, **55**: 94–118; illust.—**Ramm, M. G.** Povreždenija moćevykh organov. In: Perv. khir. pomoshch travm. voen. mirn. vrem. (Gorinevskaia, V. V.) Moskva, 1942, 242–51.—**Reynolds, L. R.** War injuries to the genito-urinary tract. Tr. West. Sect. Am. Urol. Ass., 1944, **12**: 63–5.—**Schmuckler, B. A.** Slućaj ognestrelnogo ranenija poćećnoj lokhanki. Vest. khir., 1945, **65**: No. 6, 71.—**Schneider, H.** Verletzungen der Harnorgane im Krieg und im Frieden. Med. Welt, 1940, **14**: 1217–20.—**Schreiber, E.** Die Kriegsverletzungen der Niere. Militärsanität, Zür., 1943, **25**: 52–4.—**Shapiro, I. N.** [Basic principles in treatment of wounds of the urogenital system] Voen. san. delo, 1941, No. 11, 32–8.—**Stahl, O.** Die Kriegsschussverletzungen der Harn- und Geschlechtsorgane. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 305–14; 6. Aufl., Dresd., 1943, 333–41; 9. Aufl., Dresd., 1944, 337–45.—**Stogov, V. A.** Slućaj travmatićeskoj pielotomii. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 170–2.—**Stojanovich, V., & Vojislav, K.** Indikacije i kontrain-

dikacije za konzervativnu terapiju kod ratnih povreda mokraćne bešike. Voj. san. pregl., Beogr., 1945, 2: No. 8, 46–52.—**Teneff, S.** Le ferite d'arma da fuoco dell-apparato urinario. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 1023–49, illust., 3 pl.—**Truc, E.** La pyélographie intra-veineuse, moyen d'exploration dans les plaies ou traumatismes de guerre de l'appareil urinaire. Arch. Soc. sc. méd. biol., Montpellier, 1933, 14: 462–4.—**Vasiljev, A. I.** [Treatment of traumatic strictures] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 275–82.—**Volpian, I. G.** Ognestrelnye ranenija mošonki i ee organov. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 128–33.—**Weil, S. S.** Ranevoj sepsis i ego osobennosti pri ognestrelnykh povreždenijakh taza i organov močeotdelenija. Vest. khir., 1946, 66: No. 3, 3–13.—**Young, H. H.** Wounds of the genitourinary tract. In: Med. Dep. U. S. Army in the World War, Wash., 1927, 11: 470–90.—**Zhukova, M. N.** [Wounds of the genitourinary organs] Khirurgia, Moskva, 1943, No. 11, 47–50.

UROGRAPHY.

Caffee, W. M. Intravenous urography. Med. Bull. Veterans Admin., 1938–39, 15: 288–90.—**Gaudino, N. M.** Valor de la interpretación de las imágenes radiográficas en las afecciones del árbol urinario superior. Rev. san. mil., B. Air., 1942, 41: 823 (Abstr.)—**Giurea, Ionescu, V., & Catz** [Radiological examination of the urinary tract with uroselectan] Rev. san. mil., Bucur., 1920, 29: 181–6. pl.—**Howell, J. A.** Intravenous urography. Med. Bull. Veterans Admin., 1937–38, 14: 13–5.—**Merlo Gómez, J. F.** Urografía endovenosa o por excreción. Rev. san. mil., B. Air., 1935, 34: 31–56, 20 pl.—**Moxness, B. A.** The development of intravenous urography. Med. Bull. Veterans Admin., 1933, 10: 37–40.—**Murray, R. S. E.** The use of uroselectan in urography. U. S. Veterans Bur. M. Bull., 1931, 7: 111–6, 2 pl.—**Nur & Kemal, B.** [Pyelography in urinary surgery] Askeri sihhiye mecmuasi, 1933, 62: 11–4.—**Stalnaker, P. R.** Pylography and ureterography. U. S. Nav. M. Bull., 1928, 26: 633–9, 8 pl.

UROLOGIST.

See also **Urology.**

Frumkin, A. Urolog. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 653–5.—**Lowsley, O. S.** The rôle of the urological surgeon in the Armed Forces. J. Urol., Balt., 1943, 49: 192–4.—**Ugray, I.** Az urologus-sebész jelentősége a tábori sebészetben. Honvédorvos, 1950, 2: 232.

UROLOGY.

See also **Operating table; Surgical technic.**

SPELKENS, E. Les progrès de l'urologie en Amérique pendant la guerre. p.249–330. 24cm. Brux., 1946.

J. belge urol., 1945–46, 14:

Cawker, C. A. Urologic diagnosis. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 9, 19–30.—**Congrès** (VIII) international d'urologie, Lisbonne. Voj. zdrav. listy, 1948, 17: 329.—**Laughlin, V. C.** Urology in war. Mil. Surgeon, 1941, 88: 622–6. Also Ohio M. J., 1941, 37: 235–7.—**Maisonnet, P. J. F. R., & Bernard, L. M. J.** Chronique d'urologie. Arch. méd. pharm. mil., 1928, 88: 837–65.—**Maslow, L. A.** Newer developments in urology during the war years. Q. Chicago M. School, 1946–47, 8: 8.—**Merz, H. E.** Le dépistage des principales affections relevant de l'urologie à l'aide des moyens courants de diagnostic. Arch. méd. pharm. mil., 1927, 86: 347–67.—**Singer, P. L.** Urological trends in Veterans' Administration practice. Med. Bull. Veterans Admin., 1942–43, 19: 150–2.—**Twinem, F. P.** Wartime urology in the Navy. J. Urol., Balt., 1946, 56: 757–60. ——— Urological activities of the Naval Medical Corps in World War II. Ibid., 1947, 57: 1129–44.—**Wesson, M. B.** Suggestions on therapeutic urology. Med. Bull. Europ. Command, 1949, 6: No. 10, 11.

—— Manual.

BIDGOOD, C. Y. Urology in war; wounds and other emergencies of the genito-urinary organs, surgical and medical. 78p. 23½cm. Balt., 1942.

UNITED STATES. ARMY. AMERICAN EXPEDITIONARY FORCES. Manual of military urology including venereal diseases, skin diseases and wounds of the genito-urinary organs. 290p. 8°. Par., 1918. ALSO 2. ed. 290p. 18½cm. Par., 1919.

—— Organization of service.

ANGHEL, I. 25 Ani dela infiintarea serviciului de căi urinare dela Spitalul militar Regina Elisabeta. p.1077–166. 26cm. Bucur., 1937.

Rev. san. mil., Bucur., 1937, 36:

Butler, O. W., Coleman, M. W., & Macnish, J. M. Urology at a base hospital in the war zone; experiences during one year at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, 41: 1572–6.—**Cawker, C. A.** Urological service at Shaughnessy Hospital; a review for the year ending October 1, 1946. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 3, 11–8.—**Goldin, G. I.** Nekotorye voprosy urologićeskoj pomośći v vojskovom rajone. Vocn. san. delo, 1940, No. 5, 46–51.—**Hamm, F. C.** Urological problems in the convalescent center. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 96.—**Vicuña M., H.** Estadística de la sección urologia y venereologia del Hospital Almirante Nef, en 1937. Rev. san. nav., Valparaíso, 1938, 8: 96–8.—**Vorobcov, V. I.** Opyt raboty urologa v armejskom i vojskovom rajonakh. Voen. med. J., Moskva, 1945, No. 12, 21–3.—**Wassilijew, A. I.** Die Organisation urologischer Hilfe beim Evakuationsbetrieb im Kriege. Deut. Militärarzt, 1940, 5: 503 (Abstr.)

—— surgical.

See also **Surgical technic** subheadings.

Carson, V. H., & Bidgood, C. Y. Military urological surgery Surg. Clin. N. America, 1941, 21: 1637–61.—**Imperati, L.** Chirurgia dell'apparato urogenitale. Gior. med. mil., 1948, 95: 287–99.—**Miller, C.** Surgical urology from the viewpoint of the Army, including congenital anomalies of the urinary tract and their treatment. Urol. Conf. Paralyzed Patient (U. S. Army) 1945, May, 96–101.—**Muratov, E. R.** K osobennostjam metodiki operirovanija pri naloženii nadlobkovogo svišća na močevoj puzyr. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 275–7.—**Swersie, A. K.** Experiences and lessons of emergency urological surgery in war. J. Urol., Balt., 1947, 57: 938–44.

URTICARIA.

See also **Dermatosis.**

Ferrabouc, L. Urticaire consécutive à une vaccination triple. Bull. Soc. méd. mil. fr., 1937, 31: 468–72.—**Sigel, H.** Urticaria caused by heat, exertion and excitement; report on 22 cases among American soldiers in Japan. Arch. Derm. Syph., Chic., 1948, 57: 204–9.

URUGUAY.

See **Tuberculosis geography; Typhoid fever,** by countries: Uruguay.

USES General Aptitude Test Battery.

See under **Skill.**

UTERUS.

Bourgeois, G. A., & King, H. L. Vagitus uterinus; report of two cases. Bull. U. S. Army M. Dep., 1947, 7: 147.—**Braga, M. S.** Da ligadura das artérias hipogástricas nas pan-histerectomías alargadas abdominais. Rev. med. mil., Rio, 1947, 36: 194–205.—**Burton, C. F.** Notes on a case of uterine fibromyomata complicating pregnancy. J. R. Army M. Corps, 1935, 64: 191–3.—**Cliza, S.** [Local anesthesia in hysterectomy in the dog] Rev. vet. mil., Bucur., 1933, 4: 16–9.—**Graham, G. G.** Description of a new instrument and its application to total hysterectomy. Mil. Surgeon, 1944, 95: 397.—**Montes de Oca, F.** Tratamiento de las retroflexiones completas de la matriz. Mem. Convenc., méd. mil. mex., 1936, 230.—**Uhma, C.** Zagadnienie wpływu macicy na czynność jajników. Lek. wojsk., 1941, 34: 182–4.

UVEA.

See also **Eye.**

SCOBEE, R. G. The efficacy of penicillin in uveitis therapy. 6 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 250, U. S. Air Force School Aviat. M.

James, W. M. Uveal tract. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1: 1095; 1948, 2: 909.—**Matthews, G. W., & Hollabaugh, F.** Uveitis with secondary glaucoma as a result of obscure dental focus; a case report. Med. Bull. North Afr. Theater U. S., 1944, 2: 97. ——— Uveitis with secondary glaucoma; report of case. Bull. U. S. Army M. Dep., 1946, 5: 364.—**Thygeson, P.** Penicillin treatment of nonspecific uveitis. Air Surgeon Bull., 1945, 2: 59.

UVULA.

Coudane & Masson. Angiome géant de la luette. Bull. Soc. méd. mil. fr., 1948, 42: 122–4.—**Nisiyama, A.** Kyū-sel tokuhatu-sel ken-yōsulen ni tulte [Ueber die acute primäre Uvulitis] Gun idan zassl, 1933, 1119–27, pl.—**Soraluce, J.** La apoplejía de la úvula. Med. & clr. guerra, 1948, 10: 285–8.

V–5.

See under **Swing sickness.**

V–12.

See also **Poison**; also **Seasickness**, Prevention.

Parker, J. M. Laboratory and clinical toxicity trials of V–12. Proc. Com. Nav. M. Nat. Res. Counc. Canada, 1945, 4. meet., 135–42.

VACCINATION.

See also **Encephalomyelitis**, postvaccinal; **Immunization; Ophthalmoplegia; Rabies; Smallpox; Tetanus toxoid; Tuberculin; Typhoid fever**, Immunization; **Vaccine.**

Bennett, M. O. Interesting correspondence on the John Collura case. A–V, Phila., 1943, **51**: 72–5.—**Caughey, J. E.** The vaccination of troops proceeding overseas. N. Zealand M. J., 1940, **39**: 349–56.—**De Blasi, D.** Le vaccinazioni nell'Esercito. Riv. ital. igiene, 1941, **1**: 233–48.—**Fanlo, F.** Vacunación o prevención química. Bol. farm. mil., Madr., 1934, **12**: 353–6.— **Immunization** in the German Air Force. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6i, 7.—**Lees, D. L.** Domiciliary visits of public vaccinators in wartime. Brit. M. J., 1941, **2**: Suppl., 15.—**Mennonna, G.** Le vaccinazioni profilattiche nel nostro Esercito. Gior. med. mil., 1940, **88**: 245–61.—**Muffang.** Contrôle des pesées et des vaccinations. Bull. Soc. méd. mil. fr., 1939, **33**: 57–60.—**Muñoz Rogero, M.** Importancia de las vacunaciones en el Ejército. Rev. españ. med. cir. guerra, 1945, **7**: 280–7.—**Ohsugi, Y.** Syōwa sannen go-gatu zissi-taru sitō selseki ni tuite [Vaccination enforcement results, May 1928] Gun idan zassi, 1929, 939–48, tab.—**Oţelescu, I.** Consideraţiuni asupra profilaxiei difteriei; vaccinarea antidifterică. Rev. san. mil., Bucur., 1937, **36**: 979–93.—**Ottolenghi, D.** Antiche e nuove osservazioni sulle vaccinazioni antibatteriche. Gior. med. mil., 1936, **84**: 418–28.—**Quérangal des Essarts.** Fonctionnement d'un centre de vaccination antituberculeuse et antidiphtérique au laboratoire de bactériologie du 2e arrondissement maritime de Brest. Arch. méd. pharm. nav., 1930, **120**: 452–63.—**Rogozin, I.** Seroprofilaktika. In: Enciklopedicheskiĭ slovar voen. med., Moskva, 1946–48, **5**: 98–100.—**Rozhdestvenskiĭ, V.** Ospoprivivanie (vaccinatio) Ibid., **4**: 109–13.—**Sáez, C., & Fernández-Casareigo.** Las vacunaciones preventivas en los ejércitos de tierra, de aire y de mar. Bol. farm. mil., Madr., 1933, **11**: Suppl., 1; 33.—**Skvorcov, V. V.** O provedenii privivok v ėastijakh. Voen. san. delo, 1941, No. 3, 28.— **Stafford, H. N.** Milestones in the history of inoculation. J. R. Army M. Corps, 1930, **55**: 406–18.—**Suhaţeanu, C., & Popescu, C.** Vaccinations préventives dans l'Armée roumaine. Rev. san. mil., Bucur., 1937, **36**: 520–5.—**Vidaurreta, M. F.** Vacunaciones en el Ejército. Rev. san. mil., B. Air., 1946, **45**: 853.— **Zrunek, C.** Les vaccinations dans les armées au point de vue de la législation. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 21–9.

—— combined.

Zadengart, A. [dit Seidengart] *L'organisation administrative et médicale à l'Ecole militaire enfantine Héroit; de quelques résultats concernant la vaccination triple en milieu infantile. 160p. 24cm. Par., 1939.

Dopter, C., Sacquépée, E., & Pilod. Les vaccinations associées dans l'Armée. Mouvem. san., Par., 1937, **14**: 200–27.—**Meersseman, F. A. B.** L'application de la vaccination associée antidiphtérique et antityphoparatyphique aux collectivités militaires. Arch. méd. pharm. mil., 1932, **96**: 65–86. ——— A propos des contre-indications rénales de la vaccination associée antidiphtérique et antityphoparatyphique. Bull. Soc. méd. mil. fr., 1934, **28**: 195–200.—**Ottolenghi, D.** La vaccinazione combinata contro il tifo i paratifi e il tetano. Gior. med. mil., 1938, **86**: 1272–97.—**Peloquin, A., & Fréjaville, P. E. A.** Contribution à l'étude des résultats de la vaccination associée antitypho-paratyphoïdique et antidiphtérique. Arch. méd. pharm. mil., 1932, **97**: 153–66.—**Pilod.** La application de la vacunación asociada triple, antitifo-paratífica, antidiftérica y antitetánica en el Ejército. Arch. méd., Santiago, 1938, **5**: No. 4, 45–58.—**Sordelli, A., Sánchez, S.** [et al.] Vacunación asociada. Rev. san. mil., B. Air., 1943, **42**: 800; 889.—**Tanabe, B.** Determination of the specific preventive immune bodies produced in the blood as a result of preventive typhoid and paratyphoid-B inoculations. Mil. Surgeon, 1923, **52**: 81–92.

—— Methods.

Aleksandrov, N. I., & Hefen, N. E. [The method of enteral vaccination and means of increasing its efficacy] Voen. san. delo, 1943, No. 4, 39–42.—**Army** vaccination instructions. Brit. M. J., 1941, **1**: 466.—**Coleman, P. N.** Revaccination of an Army unit. Ibid., 1944, **1**: 191.—**Dick, D. S.** Improvised method of vaccination. J. R. Army M. Corps, 1942, **78**: 142.— **Hervas de Sanlier-Lamark, M.** Contribución al estudio de la vacunación por vía bucal. Rev. san. guerra, 1937, **1**: 87–96.— **How** good is vaccination technique? Bull. Army M. Dep., Lond., 1944, No. 37, 3.—**Long, A. P.** Current status of immunization procedures; tetanus, and exotic diseases of military importance. Am. J. Pub. Health, 1948, **38**: 485–9.—**Peirce, E. R.** Vaccination; a critical study of the intradermal method. J. R. Nav. M. Serv., 1943, **29**: 125–7.—**Perrin, M.** Il faudralt revaccíner systématiquement les détenus. Bull. Acad. méd., Par., 1942, **126**: 293.—**Rogozin, I. I.** [Combined immunization with vaccine and anatoxin] Voen. san. delo, 1936, No. 10, 3–15.—**Siina, S.** Syutō no sessyu yōsiki ni tuite [Methods of vaccination] Kaigun gun ikai zassi, 1941, **30**: 510–5, pl.— **Théobalt.** Importance de la thermométrie avant la vaccination. Bull. Soc. méd. mil. fr., 1938, **32**: 117.—**Uebersicht** über die Wiederimpfungen in der gesamten Marine. San. Ber. Deut. Marine (1912–13) 1917, 35.—**Vaccination** methods revised. Bull. Army M. Dep., Lond., 1944, Suppl. No. 18, 1–5.— **What** is successful re-vaccination? Ibid., 1942, No. 14, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 52.

—— Untoward effect.

See also **Urticaria; Vaccinia.**

Allergenic manifestations following use of vaccines prepared from embryonated eggs. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 160.—**Chalke, H. D.** Skin eruptions following vaccination; report on a case. J. R. Army M. Corps, 1941, **77**: 254–8.—**Hackney, C.** Vaccination; treatment of one of the later complications. Ibid., **76**: 54.—**Leahy, W. R.** Death following closely upon administration of cold vaccine. U. S. Veterans' Bur. M. Bull., 1930, **6**: 506.—**Meersseman, F.** Les réactions vaccinales au cours des vaccinations associées; rapport terminal. Bull. Soc. méd. mil. fr., 1938, **32**: 315–7.— **Sarrat, Campaignolle & Valatx.** De quelques incidents au cours de la vaccination triple associée. Ibid., 55–8.—**Tanabe, B.** Notes on the relation between preventive inoculations and status lymphaticus. Mil. Surgeon, 1923, **52**: 92–6.

VACCINE.

See also **Dysentery**, Treatment: Phage; **Encephalitis**, Japanese type; **Encephalomyelitis; Epidemic**, Types: Common cold; **Foot and mouth disease; Gonorrhea**, Treatment: Vaccine; **Influenza**, Vaccine; **Pneumococcus**, Vaccine; **Tetanus toxoid; Tuberculin B C G; Typhoid vaccine.**

Hickam, J. B. A dry-ice refrigerated box for shipping vaccine by air. 11 l. 27cm. Dayton, 1944.

Forms No. ENG–49–697–1F, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Bedini, J. F. Preparación de vacunas microbianas (autovacunas) Rev. san. mil., B. Air., 1944. **43**: 348–54.—**Belenkov, J., & Kudrjavcev, A.** [Application of purified typhoid toxin for testing the efficacy of the vaccine] Voen. san. delo, 1937, No. 11, 82–6.—**Bennett, C. V.** Vaccine shipping in hot climates. Air Surgeon Bull., 1945, **2**: 25.—**Bonduriansky, I. P.** Proverka immunogennykh svojstv starykh vakcin. Voen. san. delo, 1941, No. 2, 83–5.—**Castillo.** Vacunas preventivas de las infecciones. Rev. san. mil., Madr., 1930, **20**: 196; 231.—**Cicinnati, A.** Sulla cultura in vitro del virus vaccinico. Ann. med. nav., Roma, 1929, **35**: pt 2, 272–300.—**Germino, A.** L'impiego di soluzioni idrolizzate di esametilentetramina nella preparazione di vaccini batterici. Gior. med. mil., 1930, **78**: 363.—**Howard, W. A., Eley, R. C.** [et al.] Bacterial vaccines. CIOS Rep., Lond., 1944, Item 24, No. I–9&10, II–9, 6.—**Kubota, S.** Honpō kaku tōbyō seizōsyo tōbyō no hattō-ryoku ni tuite [Comparative study of the potency of vaccines prepared by the various lymph institutes in Japan] Gun idan zassi, 1933, 397–418.—**Mashkov, K.** Značenie enterovakciny dlja Krasnoj Armii i flota. Voen. san. delo, 1940, No. 4, 96.—**Refik Ahmet.** Çiçek aşısı (neuro-vaccin) [Le vaccin de clavelée] Askeri tibbi baytari mecmuasi, 1929, **7**: 94–6.—**Schmidt, H.** Die kriegswichtigsten Impfstoffe; therapeutische Vaccinen. Behringwerke Merkbl., 1940, No. 9d [1–5]—**Shipping** container for vaccines and penicillin. Bull. U. S. Army M. Dep., 1945, No. 87, 32.—**Vahti.** Feresiyyede Voronof gençlik asısı tecrübesi [Experience de vaccin Voronoff chez les equides] Askeri tibbi baytari mecmuasi, 1929, **7**: 148–50.

—— combined and polyvalent.

See also **Vaccination**, combined.

Doetze. Tolerance to a new combined vaccine against typhoid, paratyphoid and cholera. Conf. Med. Consultants to Wehrmacht, 3. Cont. (1943) 1948, Proj. 1, pt 5, 108; Disc., 114–23.—**Gross.** Tolerance to new typhoid, paratyphoid A and B vaccine. Ibid., 109–11; Disc., 114–23.—**Typhus**, cholera, plague and yellow fever vaccines. Bull. U. S. Army M. Dep., 1945, No. 89, 9.

VACCINIA.

See also **Smallpox**, Vaccination.

Allen, R. G. A case of generalized vaccinia. J. R. Nav. M. Serv., 1944, **30**: 54.—**Berkley, W. L.** Vaccinia of the eyelids. U. S. Nav. M. Bull., 1942, **40**: 970–3, 4 pl.—**Coudane & Boron.** Inoculation intra-nasale accidentelle de vaccine jennérienne. Bull. Soc. méd. mil. fr., 1939, **33**: 62–4.—**Director, W.** Generalized vaccinia and vaccinial reaction. U. S. Nav. M. Bull.,

1944, 42: 884–9.—**Finn, A. B. R.** A case of generalized vaccinia. J. R. Nav. M. Serv., 1944, 30: 249.—**Green, R. C., & Michener, J. M.** Vaccinia auto-inoculation. Mil. Surgeon, 1942, 91: 579–81.—**Guild, W. J. F.** A case of multiple vaccinia. J. R. Nav. M. Serv., 1939, 25: 169.—**Hine, T. G. M.** Blood changes in rabbits after vaccinia inoculation. J. R. Army M. Corps, 1926, 47: 419–22.—**Minning, C. A.** Vaccinia occurring at short intervals. Bull. U. S. Army M. Dep., 1944, No. 79, 82.—**Moloney, J. B.** A presumptive test for the potency of cowpox virus. U. S. Nav. M. Bull., 1938, 36: 445.—**Nikolić, V. T.** [Vaccinola; case of transmitted small-pox vaccine to the eyelids after vaccination] Voj. san. glasnik, 1937, 8: 461.—**Serbănescu, I. V.** [Case of generalized vaccinia on the arm] Rev. san. mil., Bucur., 1931, 30: 210.—**Tello Ortiz, A.** La fórmula leucocitaria en la vacuna, en el hombre. Med. & cir. guerra, 1949, 11: 189–200.

VAGITUS uterinus.

See under **Uterus.**

VAGOTOMY.

See under **Peptic ulcer,** Surgery.

VAL-DE-GRACE.

See under **School,** Military medical school: France; also **Medical center,** France; **Museum,** medical.

VALSALVA test.

See under **Medical examination,** Cardiovascular system.

VALVE.

See **Oxygen demand valves.**

VAPOR detector kit.

See under **Gas detection.**

VAPORIZER.

Hamerton, J. R. A modification of a simple ether vaporizer. J. R. Army M. Corps, 1942, 79: 96–8.—**Lees, J.** Some notes on the Oxford vaporiser. J. R. Nav. M. Serv., 1942, 28: 224–8.—**Macheak, M.** Improvised vaporizer for Coleman burners. Med. Bull. North Afr. Theater U. S. 1944, 2: 66.

VARIANCE.

See also **Statistics,** Methods.

KIMBALL, A. W., jr. An empirical investigation of the analysis of variance method when the underlying assumptions are not fulfilled. 18p. 26½cm. Randolph Field, 1949.

Forms Rep. No. 1, Proj. No. 21-02-037, U. S. Air Force School Aviat. M.

VOTAW, D. F., jr. Empirical study of restriction of range; estimation of the unknown parameters in a truncated normal bivariate population, where the truncation is on one variate of which the mean and standard deviation are known. 7p. 26cm. Randolph Field, 1949.

Forms Rep. No. 1, Proj. No. 21-02-021, U. S. Air Force School Aviat. M.

—— Estimating correlation in a normal bivariate population when observed values of one variate are obtained only for a selected subset of observed values of the other variate. 9p. 26cm. Randolph Field, 1949.

Forms Proj. No. 21-02-095, U. S. Air Force School Aviat. M. Also in Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 16.

VARICELLA.

Billo, O. E. Varicella of the cornea; with report of a case. U. S. Nav. M. Bull., 1946, 46: 1901–3.—**Chicken pox.** Med. Bull. U. S. First Army, 1948, 3: No. 4, 16–8.—**Gleitsmann, H.** Die Windpocken. In: Kriegssan. Ber. Deut. Marine, Berl., 1935, 3: 182–6.—**Michle, H. C.** Chicken-pox. In: Med. Dep. U. S. Army in the World War, Wash., 1928, 9: 387–90.

VARICOCELE.

See also **Scrotum; Spermatic cord; Varicose veins.**

Alvarez Alonso, A. Tratamiento quirúrgico del varicocele. Rev. españ. med. cir. guerra, 1943, 2. época, 6: 6–16.—**Bissett, R. D.** Two cases of traumatic rupture of a varicocoele. J. R. Nav. M. Serv., 1945, 31: 177.—**Bljumin, I. S.** [Surgical treatment of varicocele] Voen. med. J., Moskva, 1932, 3: 236.—**Camara Leal.** Varicocele; processo Zepherino do Amaral. Rev. med. mil., Rio, 1935, 24: 222–7.—**Corradino, G.** Sul trattamento chirurgico del varicocele. Gior. med. mil., 1937, 85: 1171–7.—**Coutts, W. E.** El problema del varicocele en las instituciones armadas. Actas Congr. med. cir. nav. mil. Chile, 1929, 501–4.—**Ivanissevich, O.** Varicocele. Rev. san. mil., B. Air., 1937, 36: 201–10.—**Marín, G. M.** Resultado de la operación de Ivanissevich en el tratamiento del varicocele izquierdo. Rev. españ. med. cir. guerra, 1940, 5: 105–20.—**Rudie, P. S.** Treatment of varicocele by ligation and injection. U. S. Nav. M. Bull., 1944, 42: 1399.—**Salema, O.** Monobra do deslisamento na operação do varicocele pelo processo de Ivanissevich. Rev. med. mil., Rio, 1937, 26: 294–300. —— & **Lucas de Lima, B.** Rutura espontânea de varice do cordão espermático; varicocele. Ibid., 1943, 32: 291–5.—**Skinner, H. L.** Varicocele e seu tratamento. Arq. brasil. med. nav., 1943, 4: 119–26, 3 pl.—**Talman, I. M.** [Varicocele and its operative treatment] Tr. Acad. mil. méd. Kiroff, 1936, 7: 261–8.—**Vecchio Maurício, H.** Aspectos constitucionais da etiopatogenia da varicocele. Arq. brasil. med. nav., 1944, 5: 541–52.—**Zucker, M. O.** Newer concepts of surgical treatment for varicocele. Mil. Surgeon, 1944, 95: 515–7.

VARICOSE veins.

See also **Cardiovascular system; Hemorrhoid; Surgical technic,** cardiovascular; **Varicocele.**

GRAUBNER, F. H. G. F. *Ueber den varikösen Symptomenkomplex vom militärärztlichen Standpunkt aus [Berlin] 25p. 8° Bautzen, 1938.

Bugg, W. J. F. Report on 483 cases of varicose veins. Treatm. Serv. Bull., Ottawa, 1948, 3: No. 10, 11–3.—**Candel, S.** Varicose veins of the upper extremity; report of two cases. U. S. Nav. M. Bull., 1945, 44: 1052–9.—**Clark, C. W.** Varicose veins in the soldier. Canad. M. Ass. J., 1944, 50: 247–50.—**Clark, R. L.,** jr. Varicose veins; notes on diagnosis and treatment. Air Surgeon Bull., 1944, 1: No. 11, 11.—**Homans, J., Allen, A. W.** [et al.] Varicose ulcer. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 254.—**Ide, A. W.,** jr. Varicose veins. Surg. Staff Semin. Minneapolis Veterans Hosp., 1947, 3: 135–53.—**Lawes, C. H. W.** Varicose veins in peace and war. Med J. Australia, 1942, 2: 499–501.—**Pepper, W.** Varicose veins and the soldier. J. R. Army M. Corps, 1942, 79: 30–3.—**Rogers, J. A.** Varicose veins. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 72, 1.—**Varicose veins.** Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 21–3. Also Bull. Army M. Dep., Lond., 1945, No. 44, 3–5.

—— Treatment.

DELATER, G. A. Les injections sclérosantes dans les maladies fonctionelles des veines périphériques et dans leurs complications; varices pachydermoses, trophodermoses, eczématoïdes, ulcères; hémorroïdes, fissures et fistules anales; indications respectives des méthodes électrothérapiques et chirurgicales. p.479–542. 24cm. Par., 1933.

Arch. méd. pharm. mil., 1933, 99:

Baur, C. Krampfaderverödung: ihre Bedeutung für Wehrmacht und Krankenkassen. Münch. med. Wschr., 1941, 88: 89–92.—**Bican, O.** [Operative treatment of varices] Askeri sihhiye mecmuasi, 1937, 66: 49–52.—**Burton, C. C.** Some complications following the injection treatment of varicose veins. U. S. Veterans Bur. M. Bull., 1930, 6: 854–7.—**Butsch, W. L., & Harberson, J. C.** Importance of careful selection of soldiers for ligation of varicose veins. Bull. U. S. Army M. Dep., 1945, 4: 226–30.—**Delater, G.** A propos d'embolies par injections sclérosantes dans les varices. Bull. Soc. méd. mil. fr., 1937, 31: 69–72.—**Dishman, J. M.** Injection treatment of varicose veins. Med. Bull. Veterans Admin., 1935, 12: 44.—**Farquharson, E. L.** Treatment of varicose veins in soldiers. Brit. M. J., 1942, 2: 453.—**Fischer, C.** Die ambulante Behandlung von Krampfadern, Hämorrholden und Varicocele. Deut. Militärarzt, 1938, 3: 254–7.—**Frayser, B. H.** The injection treatment of varicose veins. U. S. Veterans Bur. M. Bull., 1930, 6: 858.—**Fuchsberger, K.** Zur Frage der Embolietodesfälle nach Krampfaderverödung. Deut. Militärarzt, 1937, 2: 239–42.—**Gagliardi, P.** Contributo clinico-statistico alla terapia delle varici col metodo Mariano. Gior. med. mil., 1935, 83: 1030–9.—**Goodwin, O. P.** Injection method of treating varicose veins. U. S. Veterans Bur. M. Bull., 1929, 5: 782–4.—**Hejduk, B.** Metoda kosmetycznego operowania żylaków kończyn dolnych. Lek. wojsk., 1942, 34: 27–31.—**Henschen, C.** Richtlinien für die Beurteilung und Behandlung von Varizenträgern. Schweiz. med. Wschr., 1940, 70: 13–7.—**Kamill, M.** Concerning the ligation of the saphenous vein. J. R. Nav. M. Serv., 1944, 30: 96–100.—**Kiehnhoff, G. W.** Surgical treatment of varicose veins of the lower extremities. U. S. Veterans Bur. M. Bull., 1930, 6: 577–9.—**Leitner.** Ist für die Beschwerden verursachenden Varicen der Soldaten die Behandlung mit sklerosierenden Injektionen oder

die operative Behandlung (und welche?) mit Rücksicht auf die endgültige Erhaltung der Dienstfähigkeit vorzuziehen? Veröff. Heer. San., 1934, H. 92, 5–40.—**Levi, D.** The treatment of varicose veins in recruits. Med. Press & Circ., Lond., 1942, 207: 19.—**Luse, H. D.** The injection treatment of varicose veins with or without ulcers. U. S. Veterans Bur. M. Bull., 1930, 6: 850–3.—**Melendo, F.** Tratamiento de las várices por el procedimiento mixto, quirúrgico y fleboesclerosante. Med. & cir. guerra, 1949, 11: 347.—**Oldham, J. B.** The treatment of varicose veins by simultaneous ligation and injection. J. R. Nav. M. Serv., 1940, 26: 24–30.—**Pastor, J.** La cura oclusiva en el tratamiento de las úlceras varicosas de las piernas. Rev. san. mil., Madr., 1926, 3. ser., 16: 233–7.—**Shacky, A. V.** O konservativnom lečenii rasširenija ven nižnikh konečnostej. Voen. med. J., Moskva, 1930, 1: 96–104. ——— · [Treatment of varicose veins of the lower extremities] Tr. Acad. mil. méd. Kiroff, 1936, 7: 255–60.—**Stalker, L. K.** Newer concepts in the treatment of varicose veins. Mil. Surgeon, 1941, 88: 486–91.—**Treatment** of varicose veins. Bull. Army M. Dir., Lond., 1942, No. 13, 4–6.—**Treatment** of varicose veins by injection. J. R. Nav. M. Serv., 1934, 20: 381.—**Truscott, B. McN.** The treatment of varicose veins in the serving soldier. J. R. Army M. Corps, 1941, 77: 159–61.—**Valdés, U.** Un vendaje para el tratamiento de las varices de los miembros inferiores. Gac. méd. mil., Méx., 1934–5, 2: n. ser., 268, 2pl.—**Vogl, A.** Varicenbehandlung bei Soldaten. Med. Welt, 1944, 18: 95.—**Whelan, H. M.** The injection treatment of varicose veins. J. R. Nav. M. Serv., 1929, 15: 203–8.—**Williams, O. C., & Applewhite, C. W.** The surgical treatment of varicose veins. Mil. Surgeon, 1948, 103: 366–8.—**Wolfe, H. R. I.** The choice of treatment of varicose veins. J. R. Nav. M. Serv., 1940, 26: 130–3.

VASANO.

See under **Swing sickness.**

VASCULAR spasm.

See **Disease**—by organs: Cardiovascular system.

VASCULAR surgery.

See **Surgical technic,** cardiovascular.

VASOMOTOR nerves.

For references see also **Acceleration,** Cardiovascular effect: **Anoxia,** Nervous system; **Cold injury,** experimental; **Nerve injury,** Physiopathology.

KERSLAKE, D. M., & COOPER, K. E. Generalised vasodilatation in response to heating localised areas of skin. 16p. 32½cm. Lond., 1949.

Forms F. P. R. C. No. 716, Gr. Britain Flying Pers. Res. Com.

MEAD, J., & SCHOENFELD, R. C. The character of blood flow in the vasodilated finger. 13p. 26½cm. Lawrence, 1950.

Forms No. 161, Envir. Protect. Sect. Rep. (U. S. Quartermast. Gen.)

MacKinnon, J. M. Vasopressor drugs in anesthesia. Treatm. Serv. Bull., Ottawa, 1947, 2: No. 4, 5–11.—**Nikolaev, M. P.** [Effect of vegetative poisons on the vasomotor centers] Tr. Acad. mil. méd. Kiroff, 1935, 4: 63–79.

VECTOR.

See **Epidemic,** Types: Vector.

VEGETABLE.

See also **Ration,** dehydrated.

ANDREA, W. A. Comparison of ascorbic acid retention in vegetables cooked in the Mullens cooker and on an open Army range. 4p. 28cm. Ottawa, 1943.

Forms No. C–6046B, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Andrea, W. A., Chalmers, E. A., & McFarlane, W. D. Legume and cereal sprouts as a dietary substitute for fresh vegetables. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6154, 1–24, 6 fig.—**Dehydrated** vegetables tried out in Civil War to lighten soldier's pack. Nutrit. Res., 1942–43, 2: No. 2, 1.—**Disinfection** of vegetables and fruits. Bull. U. S. Army M. Dep., 1945, No. 85, 30.—**Dried** vegetables for troops at the front. J. Am. M. Ass., 1942, 120: 635.—**Kintner, J. H., & DeLay, P. D.** Sanitation aspects of vegetable dehydration plants. Army Vet. Bull., 1943, 37: 12–9.—**Pyke, M.** The nation's food; the chemical composition of vegetable foods, and their place in peace-time and war-time diets. Nutrit. Abstr., Aberdeen, 1941–42, 11: 202.—**Uglov, V. A., & Radčik, A. S.** O sušenykh pressovannykh ovoščakh. Voen. med. J., Moskva, 1932, 3: 230–4.—**Vegetable** products deterioration. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 371.—**Withrow, A. P.** The production of vegetables under total artificial radiation. Q. Project Summary Off. Nav. Res., 1948, July, 402.

VEGETARIANISM.

Singh, B. Nutritional macrocytic anaemia amongst vegetarians in forward areas in the Middle East Campaign. Ind. M. Gaz., 1944, 79: 531–5.—**Taylor, G. F., Chhuttani, P. N., & Kumar, S.** The meat ration and blood levels; investigation of Indian soldiers in Persia and Iraq, 1944. Brit. M. J., 1949, 1: 219–21.

VEHICLE.

See also **Equipment,** medical; **Radiology,** Apparatus: Vehicle; also **Ambulance; Convoy; Cooling; Transportation; Truck,** etc.

GREEN, J. C. Field test of Canadian Snowmobile. 6p. 27cm. Randolph Field, 1949.

Forms Proj. No. 21–01–024, U. S. Air Force Arct. Aeromed. Laborat.

Akodus, J., & Mikhelson, G. Voenno-avtomobilnaja doroga. In: Enciki. slovar voen. med., Moskva, 1946–48, 1: 841–6.—**Baxter, J. P.,** III. Dukw and weasel. In his Scientists Against Time, Bost., 1946, 243–51.—**Campell, R.** Ein Praxisschlitten. Praxis, Bern, 1949, 38: 177.—**Günther, A.** Ein gallischer Kriegswagen in dem Früh-Latène-Gräberfeld bei Kärlich, Landkreis Koblenz. Forsch. & Fortsch., 1933, 9: 317.—**Ridder, J. J. A. de.** [Army auto] Mil. spectator, Haag, 1939, 108: 216–23.—**Savenko, G.** Vagon (waggon) In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 627–36, illust.

—— dental.

See also **Equipment,** dental; **Dental laboratory.**

Allen, C. E. Naval mobile prosthetic dental unit. U. S. Nav. M. Bull., 1943, 41: 1748–50.—**Litman, H., Stafford, F. L., & Stroup, W. E.** Improvisation of a dental unit in the field. Hosp. Corps Q., 1943, 16: 18–22.—**Mobile** dental unit. Ibid., 1945, 18: No. 2, 48.—**Nall, H. H.** Dental trailer for combat use. Med. Bull. Medit. Theater U. S., 1945, 3: 26–31.—New mobile dental operating unit. Bull. U. S. Army M. Dep., 1944, No. 77, 35.—**Peatfield, F. H. W.** A mobile dental unit. Brit. Dent. J., 1944, 77: 47–9.—**Profession** and gold industry present first mobile unit to Army. Dent. Surv., 1943, 19: 853.

—— Marking.

Brown, S. Vehicle tactical markings for a field ambulance. J. R. Army M. Corps, 1942, 79: 47.

—— medical.

See also **Ambulance; Equipment,** medical.

FLEMMING, F. J. Kraftwagen im Heeressanitätsdienste (Entwurf) 111p. 24cm. Berl., 1914.

Forms H. 59, Veröff. Mil. San.

JOHNSON, J. B., jr, & WILSON, G. H. Medical Department vehicle program. p. 295–731. 27½cm. Wash., 1946.

In: Hist. Wartime Res. M. Field Equip. (U. S. Army Surgeon General Office) Wash., 1946.

SPANGLER, H. J. Study in employment of flotation gear by field medical organizations. 13 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X–603, U. S. Nav. M. Field Res. Laborat.

Cervelli, A. Posto di medicazione semovente fatto con carro di soccorso blindato (tank) Atti Congr. internaz. med. farm. mil., 1923, 2. Congr., 2: 86.—**Czerkis, M. W.** Der Feldchirurgen-Krattwagen F. Ch. K. der Oesterreichischen Gesellschaft vom Roten Kreuze. Militärarzt, Wien, 1915, 49: 484–8.—**Field** autopsy car. Med. Targets, 1945, No. M–AB, 111.—**Mareschal, H.** The use of motor wagons in the medical service at the front. J. Ass. Mil. Surgeons U. S., 1905, 17: 131–3.—**Motor** vehicles; Medical Department. In: Med. Dep. U. S. Army in the World War, Wash., 1928, 3: 333–410.—**Thomas, R. B., & Smith, T. W.** Medical trailer. Air Surgeon Bull., 1944, 1: No. 9, 17.

—— pharmaceutical.

Figini, V. A. Farmacia rodante para hospital de campo. Rev. san. mil., B. Air., 1943, 42: 680–2.

VEHICLE identification.

See **Blackout,** Safety.

VEIN.

See also **Cardiovascular system; Injury**—by organs: Blood vessels; **Phlebitis; Surgical technic**, cardiovascular; **Thrombo-embolism; Varicocele; Varicose veins.**

DONOVAN, T. J. The experimental use of homogenous vein grafts to circumvent the pulmonic valves. 25p. 27cm. Bethesda, 1949.

Forms Rep. No. 4, Proj. NM 007 025, U. S. Nav. M. Res. Inst.

SŌMA, T. Zyōmyaku kessatu no geka-teki igi ni kan-suru zikken-teki kenkyū [Experimentelle Untersuchungen über die chirurgische Bedeutung der Venenunterbindungen] 97p. 26cm. Tōkyō, 1931.

Gun idan zassi, 1931, 1041; 1242.

Bailey, H., & Burrows, H. Wounds of veins. In: Surg. Modern Wart. (Bailey, H.) Edinb., 1940–41, 319–23; 2. ed., Balt., 1942, **1:** 232–6.—**Homans, J., Allen, A. W.** [et al.] Diseases of veins. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 251–60.—**Rapoport, M. U.** [Dilatation of the veins as one of the clinical forms of angiocarditis] Tr. Acad. mil. méd. Kiroff, 1935, **4:** 167–73.—**Siegling, J. A.** Intravenous migration of a metallic foreign body. War Med., Chic., 1943, **3:** 303–6.

VENDEE Insurrection (1793)

See under **Wars and campaigns.**

VENEREAL disease.

See also **Venereology**; also names of venereal diseases as **Gonorrhea; Syphilis.**

[UNITED STATES] FEDERAL-STATE WAR CONFERENCE ON SOCIAL PROTECTION [1. CONF., 1943] Venereal disease, saboteur of war manpower. 72p. 22cm. Trenton, 1943.

Arkhangelsky, S. Venerićeskie bolezni v armii i flote. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 674–9. ——— **& Gorbovicky, S.** Venerićeskie bolezni. Ibid., 667–79.—**Lohe, H.** Die Geschlechtskrankheiten. In: Wehrhygiene (Handloser, S.) Berl., 1944, 150–60.—**Montoro, I. G.** Enfermedades sexuales; sifilis, blenorragia y chancros; contagio y profilaxis; generalidades sobre higiene sexual. Rev. san. mil., Madr., 1932, **22:** 40; passim.—**Moore, J. E.** Venereal diseases. In: Advance. Mil. Med., Bost., 1948, **1:** 46–64.—**Muhleisen, J. P.** Experience with venereal disease. Surgeon Circ. M. Sect. Far East Command, 1949, **4:** No. 4, 7–11.—**Physician** (The) and the venereal disease patient. Med. Bull. U. S. First Army, 1950, **5:** 7–14.

—— Camps and centers.

BIGELOW, M. A. Social hygiene and youth in defense communities. 15p. 23cm. N. Y., 1942.

Forms No. A–410, Pub. Am. Social Hyg. Ass. Also in J. Social Hyg., 1942, **28:** No. 8.

Agreement (An) by the War and Navy Departments, the Federal Security Agency, and State Health Departments on measures for the control ot the venereal diseases in areas where Armed Forces or national defense employees are concentrated. Soc. Hyg. Yearb. (1942) 1943, 220–6.—**Clarke, W.** Syphilis, gonorrhea, and national defense industries. J. Social Hyg., 1941, **27:** 169–74.—**Encampment** areas present venereal disease problem that begins with citizens; joint agreement on control program reached by War and Navy departments, Federal Security Agency and State health departments; need cooperation of local citizens and their health departments. Health Notes, Jacksonville, 1940, **32:** 142.—**Harper, C. A.** Preventing venereal diseases in military concentrations. J. Social Hyg., 1940, **26:** 366–70. ——— Venereal disease prevention in military concentrations. Wisconsin Bd Health Q. Bull., 1941, **6:** No. 24, 25.—**Hesbacher, E. N.** The problem of venereal disease control in an extra-cantonment area. Vener. Dis. Inform., 1943, **24:** 189–93.—**Lentz, J. W., & Arnold, V.** Protecting the military from venereal disease in a large Eastern seaboard city. Ibid., 289–97.—**Merrill, M. H.** Venereal disease control problems associated with the military training program. Week. Bull. California Dep. Pub. Health, 1940–41, **19:** 201–3.—**Military** training and concentration of war workers put new emphasis upon venereal disease control. Michigan Pub. Health, 1941, **29:** 3.—**Price, A. B., & Weber, F. J.** Control ot the venereal diseases in civilian areas adjacent to concentrations of Armed Forces. Am. J. Pub. Health, 1941, **31:** 912–6.—**Syphilis,** gonorrhea are targets of large scale attack in military and industrial areas. Michigan Pub. Health, 1942, **30:** 129.—**Vonderlehr, R. A.** The control of the venereal diseases among national defense workers. J. Social Hyg., 1941, **27:** 175–80.

—— Chancroid.

Grove, E. Sobre afecciones venereas; el chancro blando. Actas Congr. med. cir. nav. mil. Chile, 1929, 393–400.—**Harp, V. C., jr.** Observations on chancroid therapy with and without sulfathiazole. J. Mil. M. Pacific, 1946, **2:** 7–12.—**Isla, E.** El contagio del chancro venéreo. Rev. espan. med. cir. guerra, 1945, **7:** 275–9.—**Satulsky, E. M.** Management of chancroid in a tropical theater; report of 1,555 cases. J. Am. M. Ass., 1945, **127:** 259–63.

—— Clinical aspect.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 157: Chancroid, lymphogranuloma venereum, and granuloma inguinale. 5p. 26cm. Wash., 1945.

Escartefigue. Les végétations vénériennes. Arch. méd. pharm. nav., 1932, **122:** 120–40.—**Grenley, P.** Non-specific urethritis of venereal origin. J. Urol., Balt., 1944, **52:** 92–7.—**Klotz, B.** Parafrenal abscess; complication of gonorrheal urethritis. U. S. Nav. M. Bull., 1944, **43:** 543–5.—**Pastinszky, I.** Penicillin okozta Jarisch-Herxheimer reactio mint praemonitoricus symptoma gonorrhoea és syphilis coinfectio esetén. Honvédorvos, 1950, **2:** 114–21.

—— Combat zone.

Burke, E. J. Treatment of venereal diseases in the field. Lancet, Lond., 1939, **2:** 959.—**Drożyński, L.** [Treatment of venereal diseases during campaigns] Lek. wojsk., 1932, **20:** 33; 101.—**Killingsworth, W. P.** Management of venereal disease in a field Army under combat conditions. Mil. Surgeon, 1946, **98:** 320–6. Also in Interallied Conf. War Med. (1942–45) 1947, 265–7.—**Lesser, E.** Bedeutung und Verhütung der Geschlechtskrankheiten im Felde. Berl. Klin. Wschr., 1914, **51:** 1775. Also Zschr. ärztl. Fortbild., 1914, **11;** 718–22.—**Peeters, H.** [Military hygiene; venereal diseases at the front] Ned. tschr. geneesk., 1934, **78:** 125–33.

—— Contacts.

See also **Prostitution.**

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. Navy venereal disease contact investigation ... Report. Wash., No. 1, 1944–

WINEBRENNER, J. D. An Army officer's views on social protection. p.12–13. 28cm. Indianap., 1943.

Reprint from Pub. Welf. in Indiana, 1943, **53:** No. 10.

Army venereal contacts. News Lett. Oklahoma Health Dep., 1943, **1:** No. 14, 1.—**Barnes, A.** Sources of venereal infection at an Army post; study of 1,032 cases at Fort Leonard Wood. Mil. Surgeon, 1943, **92:** 257–64.—**Contact** history of military personnel with venereal diseases. Med. Bull. U. S. First Army, 1948, **3:** No. 7, 20.—**Contact** history of venereal disease among military personnel. Month. Health Rep. Mil. Distr. Washington, 1948, **1:** No. 3, 9.—**Contact** investigation. Hosp. Corps Q., 1945, **18:** No. 4, 48–50.—**Dougherty, W. J.** Venereal disease contact investigation, Navy and Marine Corps, April–June 1948. U. S. Nav. M. Bull., 1949, **49:** 957–66.—**Gans.** Die Ansteckungsquellen der geschlechtskranken Heeresangehörigen im Kriege und im Frieden. Münch. med. Wschr., 1920, **67:** 1188.—**Geographic** distribution of the sources of infection of 10,000 soldiers reporting to the Surgeon General of the Army. Rep. U. S. Interdep. Social Hyg. Bd, 1920, 93, map.—**Prophylaxis** data; venereal disease contact report, fourth quarter, 1946. Statist. Navy M., 1948, **4:** No. 11, 2–5.—**Recommended** (A) method for apprehension of VD contacts. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2:** No. 3, 23–6.—**Reynolds, F. W.** Contact-reporting in venereal disease control, a function of the medical officer. Mil. Surgeon, 1942, **91:** 432–40.—**Russell, A. F.** A survey of the social life of a soldier in regard to venereal disease. Med. Bull. Medit. Theater U. S., 1945, **3:** 69–72.—**S., W. H.** VD contact report (Form NavMed 171) Bumed News Lett. **4:** No. 8, 23–5.—**Schulze, H. A.** Source finding in venereal disease. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **2:** No. 3, 19–22.—**Schwartz, W. H., Ennes, H. W., jr, & Allen, M. F.** Venereal disease contact investigation in the U. S. Navy, third quarter 1944; efficiency of Navy contact-education interviews and results of civilian health department investigation. U. S. Nav. M. Bull., 1945, **45:** 798–809.—**Stewart, F. E.** Venereal disease contact reporting. Hosp. Corps Q., 1947, **20:** No. 4, 13–25.—**Van Auken, H. A.** Sources of infection. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 82.—**Venereal** disease contact investigation; first quarter, 1948. Statist. Navy M., 1949, **5:** 5–7.—**Venereal** (The) disease contact report; foreign areas, fourth quarter, 1946. Ibid., 1948, **4:** No. 10, 6–9.—**Venereal** (The) disease contact report, fourth quarter, 1946. Ibid., No. 9, 6–9.—**Wilson, W. R.** VD contact interviewing. Hosp. Corps Q., 1945, **18:** No. 4, 45.

—— Control.

See also other subheadings; also **Venereology**, Congresses and committees.

GIANI, P. La difesa contro le malattie veneree. 27p. 16° Milano, 1915.
Forms No. 10, Probl. san. guerra.

GOODMAN, H. Venereal disease control as part of war effort, an epitome. 30p. 21½cm. N. Y., 1942.

UNITED STATES. ARMY SERVICE FORCES. THIRD SERVICE COMMAND. Venereal disease letter. Balt., No. 1, 1945–

Aselmeyer, A. J. Civilian measures for the control of venereal diseases in World War II. J. Am. M. Ass., 1942, **120**: 880–3.—**Bouton, M. A.** Venereal disease control. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 70–2.—**Chablani, T. D.** Control of venereal diseases. J. Ind. Army M. Corps, 1949, **5**: 11–7.—**Control** of venereal disease. J. Am. M. Ass., 1940, **115**: 1731. Also In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 9, No. 7, 1.—**Cox, W. C.** Notes on venereal disease control. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, Chapt. 13, Exh. F, 1–6.—**Crane, H. H., Dunham, G. C.** [et al.] How can citizens help to protect soldiers and sailors from syphilis and gonorrhea? J. Social Hyg., 1940, **26**: 393–414.—**Damas, J. M.** La lucha contra la plaga. Ejército, 1942, No. 26, 63.—**Deakin, R.** Protection of soldiers, sailors, and workers from syphilis and gonorrhea; the citizen's part. J. Social Hyg., 1941, **27**: 186–90.—**Draper, W. F.** Wartime lessons in venereal disease control. Ibid., 1946, **32**: 185–91.—**Elkins, O. M.** Notes on venereal disease control. J. Mil. M. Pacific, 1946, **2**: No. 4, 44–6.—**Ennes, H. W.**, jr. On the firing line of venereal disease control. Hosp. Corps Q., 1943, **16**: No. 2, 12–22.—**Frantz, R.** Civilians, soldiers, and prophylaxis. In: Morals Wartime (Robinson, V.) N. Y., 1943, 163–6.—**Gill, D. G.** The emphasis on venereal disease control in war time. J. M. Ass. Alabama, 1941–42, **11**: 331.—**Good** soldiers don't get venereal disease. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, Chapt. 13, after Exh. G, 1.—**Gordon, J. E.** Venereal disease control. Ibid., **2**: pt 5, 1–33, 12 pl., 11 tab. & 7 ch. ——— The continental phase from the beachheads to Paris. Ibid., 17–9.—**Harris, J. F.** VD control school. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 2, 9–12.—**Hirsh, J.** Boomtown wins a battle; how one community built public support for the Army venereal disease control program. J. Social Hyg., 1943, **29**: 583–93.—**Holland, B. D.** Fighting venereal disease among military personnel. Ibid., 1944, **30**: 211–4.—**Ingram, J. T.** Dermatology in wartime. J. R. Army M. Corps, 1940, **75**: 78–83.—**Johnson, B.** How can citizens help to protect soldiers and sailors from syphilis and gonorrhea? the problem from the viewpoint of the voluntary agency and the community. J. Social Hyg., 1940, **26**: 420–5.—**Leadership** vs V D. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 2, 33.—**Lubowe, I. I.** Venereal disease control. Mil. Surgeon, 1937, **80**: 140–3.—**Lull, L. J.** Wartime venereal disease control measures. Colorado Bd Health Bull., 1942, **6**: No. 3, 3–8.—**Measures** to combat gonorrhea and syphilis. War Med., Chic., 1942, **2**: 132–5.—**Quisenberry, W. B., & Dudley, J. N.** Venereal disease control in a rural area in war time. Mil. Surgeon, 1946, **99**: 98–103.—**Rice, T. B.** Venereal disease control in wartime. Month. Bull. Bd Health Indiana, 1944, **47**: 191–4.—**Scholtz, J. R.** Venereal disease control in the military scene. California West. M., 1944, **60**: 283–7.—**Schwartz, W. H., Ennes, H., & Burke, J. J.** Venereal disease control. Hosp. Corps Q., 1945, **18**: No. 4, 33–9.—**Snow, W. F.** The control of venereal diseases. Surg. Gyn. Obst., 1917, **25**: 720–2. ——— War and the coming winter on the social hygiene front. J. Social Hyg., 1942, **28**: 428.—**Social** hygiene takes battle stations. Crusader, 1943, **35**: No. 2, 12.—**Stewart, F. E.** VD control; the problem and some answers. Hosp. Corps Q., 1949, **22**: No. 3, 27–43.—**Stokes, J. H.** The wartime control of venereal disease; problems in the application of recent scientific discoveries. J. Am. M. Ass., 1942, **120**: 1093–9.—**Storey, T. A.** American communities face a new challenge. J. Social Hyg., 1941, **27**: 1–9. ——— Social health in war and peace. Bull. Fulton Co. M. Soc., 1943, **17**: No. 4, 4.—**Taft, C. P.** Social and legal problems in the wartime venereal disease control program. Vener. Dis. Inform., 1943, **24**: 155–9.—**Van Auken, H. A.** Control of venereal diseases. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 3, 77–95, ch.—**Venereal** disease control. Mil. Surgeon, 1942, **90**: 96; passim.; 1943, **93**: 215. Also In: Prev. Med. in World War II, Wash., 1948, **6**: 26; 53; 135.—**Venereal** disease control needs in wartime. Connecticut M. J., 1942, **6**: 962. Also Mil. Surgeon, 1942, **91**: 481–3.—**Venereal** disease control in wartime. J. Missouri M. Ass., 1942, **39**: 377.—**Villas Bôas, J. de A., Gonsalves, B., & Silveira,** filho, **F. A. de S. da.** Meios de reduzir o contágio venéreo no exército. Rev. med. mil., Rio, 1941, **30**: 59–67. Also Impr. med., Rio, 1942, **18**: No. 337, 96–9.—**Vonderlehr, R. A.** How can citizens help to protect soldiers and sailors from syphilis and gonorrhea? as the United States Public Health Service sees it. J. Social Hyg., 1940, **26**: 415–20. ——— Control of syphilis and gonorrhea; a progress report preliminary to war. Bull. Genitoinfect. Dis., 1942, **5**: 1–3. ——— Venereal disease control since the onset of World War II. Illinois M. J., 1942, **82**: 344–7. ——— The physician's role in wartime genitoInfectious disease control. Bull. Genitoinfect. Dis., 1943, **6**: 1.—**War** on venereal disease. Med. Rec., N. Y., 1942, **155**: 46–8.—**Wartime** control of venereal disease. Ther. Notes, Detr., 1942, **49**: 107–12.—**Wartime** control of venereal diseases; role of pharmacists. California West. M., 1943, **58**: 133.—**Weinzirl, A.** Venereal disease control in wartIme. Biol. Colloq., Corvallis (1943–44) 1945, 17.—**Wile, U. J.** The influence of war on a venereal disease control program. Bol. As. méd. Puerto Rico, 1944, **36**: 47–55.—**Williams, S. L.** The military aspect of venereal disease control. Manitoba M. Ass. Rev., 1943, **23**: 283–6.—**Wilzbach, C. A.** The control of syphilis and gonorrhea in war tIme. Cincinnati J. M., 1943–44, **24**: 539–41. ——— New problems in the control of syphilis and gonorrhea. J. Social Hyg., 1944, **30**: 88–92.—**Winebrenner, J. D.** Venereal disease control. Month. Bull. Bd Health Indiana, 1941, **44**: 281.—**Young.** The suppression of venereal disease, especially among our Armed Forces. Urol. Cut. Rev., 1943, **47**: 600.

—— Control services.

AMERICAN SOCIAL HYGIENE ASSOCIATION. Publication A–499: Relationships in venereal diseasc control of the Army and Navy, the U. S. Public Health Service, the Office of Defense and Welfare Services, and the American Social Hygiene Association. 6p. 23cm. N. Y., 1943.
Also in J. Social Hyg., 1943, **29**: No. 2.

MONTANA, U. S. A. STATE BOARD OF HEALTH. Special bulletin No. 9: Regulations for the control of venereal diseases; war measure. 8p. 23cm. Helena, 1918.

NOLAN, R. A. The V-plan for controlling venereal diseases in military commands. 79p. 23½cm. S. Diego, 1941.

[**Aggressive** (An) program for the control of venereal disease] In: Prev. Med. in World War II, Wash., 1948, **7**: 8–17.—**Army** praises venereal disease program. Pub. Health News, Trenton, 1942–43, **26**: 216.—**Army** surgeon praises Wisconsin's V. D. control. Bull. Bd Health Wisconsin, 1940, **6**: No. 20, 8.—**Bayne, J. K.** Venereal disease control at the Post level. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4**: 7–9.—**Carter, T. J.** New patterns in venereal disease control, as seen by the Navy medical officer. J. Social Hyg., 1943, **29**: 210–9.—**Dreyfuss, L.** [Social protection is a war responsibility] In: Vener. Dis. &c. (U. S. Fed. State War Conf. Social Protect.) Trenton, 1943, 1. Conf., 22–4.—**Drum, H. A.** The Army's attitude towards the disease, and its control. Ibid., 11–5.—**Everhart, E. S.** Wartime control of venereal disease in the state of Pennsylvania. Pennsylvania Health, 1944, **5**: 3.—**Follow-up** of venereal disease cases. In: Prev. Med. in World War II, Wash., 1948, **3**: 51; App. 4 l, 1.—**Gordon, J. E.** The initiation and maintenance of cooperative relationships with other agencies. Ibid., **2**: pt 5, 6. ——— Cooperation with other military and civilian agencies. Ibid., 11–4.—**Harris, E. H., & Abrahamson, R. H.** Combined efforts in venereal disease control by naval and civilian health authorities. Am. J. Syph., 1944, **28**: 711–20. ——— Two years of cooperation in military venereal disease control. Mil. Surgeon, 1945, **97**: 184–90.—**Heimoff, L. L.** Venereal disease control program. Bull. U. S. Army M. Dep., 1945, No. 87, 93–100.—**Horner, E. N.** Venereal disease control program. Hosp. Corps Q., 1949, **22**: 34.—**Leider, M., Brookins, S., & McDaniel, V.** Biography of a civilian committee on venereal disease control; the Negro War-Time Health Committee of Pensacola, Florida. J. Social Hyg., 1944, **30**: 67–71.—**Leroux, J. A.** The facilitation process in venereal disease control. J. Canad. M. Serv., 1943–44, **1**: 289–93.—**Lieberman, B. A.**, jr. An effective military venereal disease control program. War Med., Chic., 1943, **3**: 174–85.—**Marshall, J.** Venereal disease; liaison between Service and civil authorities. Nature, Lond., 1943, **151**: 46.—**Mooney, G.** Wartime social protection in New Haven. Health, N. Haven, 1943, **70**: No. 7, 2–4.—**Objectives** of the venereal disease control program. Vener. Dis. Bull., Randolph Field, 1942, No. 4, 1–5.—**Peacetime** relationships in venereal disease control; a working agreement between the Army, Navy, Coast Guard, the Federal Security Agency and the American Social Hygiene Association, 1946. J. Social Hyg., 1946, **32**: 251–6.—**Price, A. B.** Venereal disease control services. Q. Bull. Louisiana Bd Health, 1941, **32**: No. 1, 15.—**Ray, J. P.** Administrative aspects of venereal disease control. Hosp. Corps Q., 1949, **22**: No. 4, 23–30.—**Relationships** in venereal disease control of the Army and Navy, the U. S. Public Health Service, the Office of Defense Health and Welfare Services, and the American Social Hygiene Association. J. Social Hyg., 1943, **29**: 100–5.—**Rhett, J. T.** Responsibility of military police. Ibid., 289.—**Role** (The) of pharmacists in the war-time control of venereal diseases. Memphis M. J., 1943, **18**: 13.—**Schroth, R. A.** A New Jersey community provides good times in good company for its soldier visitors. J. Social Hyg., 1941, **27**: 232–5.—**Scott, B. V. D.** Civilian-service liaison. Hosp. Corps Q., 1945, **18**: No. 4, 46.—**Social** hygiene in wartime; the program in action in the states and communities. J. Social Hyg., 1942, **28**: 185; 241; 301.—**Social** measures program of the United States Interdepartmental Social Hygiene Board for the protection of soldiers and

sailors from venereal diseases. Rep. U. S. Interdep. Socia Hyg. Bd, 1920, 43.—**Some** illustrations of Army, Navy, Public Health Service, and social protection scction problems. J. Social Hyg., 1942, **28**: 54–7.—**Stenek, J. L.** The pharmacist's war-time responsibility in the venereal disease control program. N. Jersey J. Pharm., 1942, 15: No. 10, 15–9.—**Successfully** used control measures. Vencr. Dis. Bull., Randolph Field, 1942, No. 1, 3.—**Sullivan, R. R.** Minnesota venereal disease control program in connection with military maneuvers. J. Social Hyg., 1940, **26**: 371–6.—**Tabulation** by States showing location of Army and Navy complements, known localities from which venereal infections have been received by soldiers and the distribution of agents of the Board for the application of protective social measures as of June 20, 1920. Rep. U. S. Interdep. Social Hyg. Bd, 1920, 48–77.—**Taft, C. P.** [Venereal disease control during war time] In: Vener. Dis. &c. (U. S. Fed. State War Conf. Social Protect.) Trenton, 1943, 1. Conf., 21.—**Thompson, L.** Venereal diseases with a plan for their control in future wars. Mil. Surgeon, 1929, **65**: 59–62.—**Van Horn, E. C., & Sawey, O. L.** The venereal disease control interview. Bull. U. S. Army M. Dep., 1945, **4**: 582–5.—**Vonderlehr, R. A.** Individual support in the unified wartime venereal disease control program. Am. J. Syph., 1942, **26**: 661–9. ——— No venereal disease tragedies in the world of tomorrow; a progress report on venereal disease control work in wartime. J. Social Hyg., 1943, **29**: 201–9.—**Williams, D. H.** The facilitation process and venereal disease control. Canad. Nurse, 1944, **40**: 89–96.—**Williams, S. L.** Army-civilian liaison in V. D. control. J. Canad. M. Serv., 1944–45, **2**: 194–7.

—— Criminal aspect.

Babione, R. W. Venereal disease control by punishment. U. S. Nav. M. Bull., 1948, **48**: 919.—**Bambaren, C. A.** Punto de vista médico-militar sobre el delito de contagio venéreo. Rev. san. mil., Lima, 1935, **8**: 46–53.—**Coutts, W. E.** De las razones biológicas y jurídicas para considerar el contagio venereo como delito. Actas Congr. med. cir. nav. mil. Chile, 1929, 384–92.—**Irwin, B. E.** Misconduct; venereal disease under Public Law 439, 78th Congress. Bumed News Lett., Wash., 1945, **6**: 18.—**M., J. E.** Punishment for venereal disease in the Armed Forces ended by Congress. Am. J. Syph., 1945, **29**: 125–9.—**Punishment** for venereal disease in the Armed Forces ended by Congress. J. Am. M. Ass., 1944, **126**: 572.—**Zeligman, I.** Punishment for venereal disease in the Armed Forces. Ibid., 1167.

—— Defense aspect.

See also other subheadings.

Brown, E. W. Protecting workers from venereal diseases; in government defense industries. J. Social Hyg., 1942, **28**: 83–90. Also War Med., Chic., 1942, **2**: 246–54.—**Clarke, W.** Syphilis, gonorrhea and the National defense program. J. Social Hyg., 1940, **26**: 341–52.—**Control** of venereal disease as a national defense measure. Med. Rec., N. Y., 1940, **152**: 311.—**Cory, H. S.** The relation of the national defense program to social hygiene. J. Social Hyg., 1940, **26**: 358–61.—**Ingraham, N. R., jr.** Venereal disease control and national defense in Philadelphia. Week. Roster, Phila., 1941–42, **37**: 636–8.—**Local** defense and venereal disease control. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 205.—**Mather, P. R.** A layman's view of social hygiene and national defense. J. Social Hyg., 1941, **27**: 191–6.—**Miller, D. W.** To speed our defenses. Ibid., 1940, **26**: 353–7.—**Moore, J. E.** Venereal diseases and national defense. J. Am. M. Ass., 1941, **117**: 255–8.—**Nelbach, G. J.** National defense and social hygiene in up-state New York. J. Social Hyg., 1940, **26**: 361–4.—**Rowntree, G. R., Fischbach, C. M., & Leavell, H. R.** Venereal disease control in the national defense program. South. M. J., 1942, **35**: 187–92.—**Townsend, J. G.** Protecting workers from venereal diseases; in civilian defense industries. J. Social Hyg., 1942, **28**: 78–82.—**Underwood, F. J.** Check venereal diseases to strengthen defense. Mississippi Doctor, 1941–42, **19**: 421–3.—**Venereal** disease and defense. Med. Bull., Wichita, 1942, **11**: No. 8, 16–8.—**Venereal** disease program could become bottleneck in National defense program. Health Notes, Jacksonville, 1940, **32**: 124.—**Vonderlehr, R. A.** Recent progress against syphilis and gonorrhea and its relation to the national defense. Am. J. Syph., 1939, **23**: 506–10. ——— Syphilis, gonorrhea and the national defense. Bull. Genitoinfect. Dis., 1940, **3**: No. 16, 1. ——— Present status of the venereal disease control program in mobilization and national defense. Am. J. Pub. Health, 1941, **31**: 1027–31. ——— Adaptation of the venereal disease control program to national defence. Canad. Pub. Health J., 1941, **32**: 454–8.—**Wickware, F. S.** National defense vs venereal disease; U. S. Government fights to protect its new soldiers. Life, 1941, **11**: Oct. 13, No. 15, 128 etc.

—— Diagnosis.

Circular letter on venereal disease. Mil. Surgeon, 1942, **91**: 593.—**Diagnosis** and treatment of the venereal diseases; circular letter No. 18 prepared by the subcommittee on venereal diseases of the Committee on Chemotherapeutic and other agents. War Med., Chic., 1941, **1**: 247–66.—**Leider, M.** Routine for the definitive investigation of genital lesions. U. S. Nav. M. Bull., 1943, **41**: 278–85.—**Masumoto, H.** Müller-si hannō M. B. R. ni tuite [The Müller reaction, M. B. R.] Gun idan zassi, 1930, No. 199, 51–6.

—— Disability.

See also subheading (Recruits)

Days lost because of venereal disease. Bull. U. S. Army M. Dep., 1944, No. 82, 6.—**Heller, J. R.,** jr. Vencreal disease delays victory. California Health, 1943–44, **1**: 133–5. Also Oregon Health Bull., 1944, **22**: No. 6, 3; passim.—**Parran, T.** Fitness for freedom. Vener. Dis. Inform., 1943, **24**: 185–9.—**Venereal** diseases. In: Phys. Exam. Select. Serv. Registr. (U. S. Select. Serv. System) Wash., 1948, **2**: 227–30.

—— Ethical and eugenic aspects.

HARTMANN, G. B. The girls they left behind; an investigation into the various aspects of the German troops' sexual relations with Danish subjects. 207p. 22½cm. Kbh., 1946.

WOOD, L. F. A church program for defense areas. 8p. 23cm. N. Y., 1941.

Forms No. A–319, Pub. Am. Social Hyg. Ass. Also in J. Social Hyg., 1941, **27**: 10–5.

Gruber, M. v. Geschlechtskrankheiten und Rassenhygiene. In: Taschenb. d. Feldarzt., 3. Aufl., Münch., 1917, pt 2, 246–50.—**Hissard, R.** Morbidité vénérienne et personnes déplacées. Prophyl. antivénér., 1948, **20**: 502–16.

—— Gonorrhea.

See as main heading.

—— Granuloma venereum.

Dabbs, O. D., jr. Granuloma inguinale. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 4, 27–33.—**Menville, J. G.** Granuloma inguinale; report of an atypical case. U. S. Nav. M. Bull., 1945, **44**: 621–4.—**Seitz, P. F. D.** Streptomycin therapy in granuloma inguinale. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: 29–32.

—— Health education.

ALBUQUERQUE, J. DE. O perigo venéreo na paz, na guerra e no após-guerra; utilidade da educação e profilaxia anti-venéreas nas classes armadas e suas vantagens para as populações civis. 154p. 22cm. Rio, 1944.

ANDERSON, G. W. Venereal disease education in the Army. 7p. 23cm. N. Y., 1943.

Forms No. A–533, Pub. Am. Social Hyg. Ass. Also J. Social Hyg., 1944, **30**: 20–8.

Bain, V. D. Social hygiene education in the Victory Corps program. Oregon Health Bull., 1943, **21**: No. 49, 3.—**Carrasco T., S.** El peligro venereo. Actas Congr. med. cir. nav. mil. Chile, 1929, 412–7.—**Dyar, R.** The medical officer and the venereal disease education of the soldier. Vener. Dis. Inform., 1945, **26**: 27–31.—**Ennes, H. W., jr.** A memorandum on the urgency of putting into high gear a program of social hygiene education for military and home-front veterans. J. Social Hyg., 1945, **31**: 564–73.—**Fischelis, R. P.** Pharmacy in the wartime educational campaign against VD. Ibid., 1944, **30**: 554–6.—**Instruction** in social hygiene for New York National Guard. J. Am. M. Ass., 1940, **115**: 1285.—**Instructions** pour le traitement des maladies vénériennes chez les réfugiés. Prophyl. antivénér., 1945, **17**: 504–10.—**Larimore, G. W.** The Army venereal disease education program for demobilization. J. Social Hyg., 1945, **31**: 534. ——— **& Sternberg, T. H.** Does health education prevent venereal disease? the Army's experience with 8,000,000 men. Am. J. Pub. Health, 1945, **35**: 799–804.—**Ling, S.** The neighborhood war clubs as a channel for popular education in venereal diseases. J. Social Hyg., 1944, **30**: 49–57.—**Nelson, J. F.** The Y. W. C. A. social hygiene program in the United Service Organizations. Ibid., 1943, **29**: 6–8.—**Propagande** antivénérienne dans l'Armée. Bull. Eidg. Gesundhamt., 1944, 89.—**Reynolds, F. W.** Suggestions to the naval medical officer for talks on venereal disease, with a catalog and discussion of other educational media. U. S. Nav. M. Bull., 1943, **41**: 889–903.—**Sheldon, L.,** jr. Venereal-disease educational leaflets, distribution of [form letter] Bumed News Lett., Wash., 1944, **3**: No. 6, 28.—**Venereal** disease education coordinated with training program for aviation cadets. Vener. Dis. Bull., Randolph Field, 1943, No. 7, 3–5.—**Waters, M. R.** Venereal disease education. Hosp. Corps Q., 1947, **20**: 9–11.

—— Historical aspect.

Butler, C. S. A glance at results of the last thirty centuries of venereal disease prevention. U. S. Nav. M. Bull., 1931, **29**: 383–93.—**Hirschfeld, M.** Venereal diseases. In his Sex. Hist. World War, N. Y., 1937, 100–18.

—— Lymphogranulomatosis.

See **Lymphogranuloma.**

—— National aspect.

See also other subheadings.

Mund-Mierzecki, H. O potrzebie organizacji szpitalnictwa wenerycznego i walki z chorobami wenerycznemi na froncie w czasie wojny i demobilizacji. Lek. wojsk., 1920, **1**: No. 47, 7–14.—**National** (The) point of view regarding the control of venereal disease in wartime. J. Social Hyg., 1943, **29**: 263–76.—**Sternberg, T. H., & Larimore, G. W.** Army contributions to postwar venereal disease control planning. Pub. Health News, Trenton, 1944, **27**: 314–21. Also J. Am. M. Ass., 1945, **127**: 209–12. Also J. Social Hyg., 1945, **31**: 26; Suppl., 5.—**Turner, T. B.** Immediate wartime outlook and indicated postwar conditions with respect to the control of the venereal diseases. Am. J. Pub. Health, 1943, **33**: 1309–13.

—— Navy aspect.

See also subheading (—by countries: United States: Navy)

Anwendung des Brüsseler Abkommens vom 1. Dezember 1924. III. Richtlinien für die Syphilisbehandlung von Seeleuten in den Behandlungsstellen der Häfen. Reichsgesundhbl., 1937, **12**: 67–9.—**Behandlung** von Geschlechtskrankheiten bei Seeleuten. Ibid., 335.—**Burow, F. P.** Foreign merchant seamen and venereal disease. In: Morals Wartime (Robinson, V.) N. Y., 1943, 170–6. ——— Fluctuation of venereal disease incidence among alien seamen. Vener. Dis. Inform., 1943, **24**: 45.—**Cavaillon, J. A.** General principles for combating venereal disease and their application in the merchant service. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 155–78. Also Prophyl. antivénér., 1929, **1**: 646–72.—**Clarke, W.** Syphilis and gonorrhea among seamen. Vener. Dis. Inform., 1933, **14**: 87–92.—**Cuscianna, P.** Lotta antivenerea e ambiente militare marittimo. Ann. med. nav., Roma, 1940, **46**: 125–46.—**Hanschell, H. M.** Clinic problems—clinical and administiative; the defaulting seaman. Brit. J. Vener. Dis., 1935, **11**: 28–30.—**Harrison, L. W.** Venereal disease in the mercantile marine. Conf. Health Welf. Merchant Seamen, 1929, 2. Cong., pt 2, 215–22.—**Knap, J.** On the combating of the venereal diseases in the mercantile marine. Acta derm. vener., Stockh., 1945, **26**: 49–58.—**Morgan, A. G.** Prevention and treatment of venereal diseases in seamen. Vener. Dis. Inform., 1931, **12**: 101–6.—**Nohara, F. S.** Die Internationale Vereinbarung über die Behandlung geschlechtskranker Seeleute (Brüsseler Abkommen) Derm. Zschr., 1937, **76**: 206–9.—**Ross, A. O. F.** Treatment of venereal diseases in the allied merchant navies. Brit. J. Vener. Dis., 1945, **21**: 123–34.—**Sannemann, K.** Die Bekämpfung der Geschlechtskrankheiten bei den Seeleuten. In: Arb. Tropenkrankh. (Festschr. B. Nocht) Hamb., 1927, 467–74.

—— Periodic examination.

Arkhangelsky, S. Issledovanie venerićeskogo bolnogo. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1030.—**Goodman, H.** The periodic examination of the soldier. Clin. Med., 1942, **49**: 333.—**Maislen, A. A.** Venereal disease control survey in a battalion. Mil. Surgeon, 1945, **97**: 493–8.

—— Prevention.

United States. War Department. Army regulations No. 40–235; Medical Department: The prevention of the communicable diseases of man, venereal diseases. 5p. 8°. Wash., 1924. Also Changes No. 2: 1p. 8°. Wash., 1929. Also Changes No. 3. 1p. 8°. Wash., 1930.

Arias Schreiber, L. La profilaxia de las enfermedades venéreas en el Ejército. Rev. san. mil., Lima, 1928, **1**: 172–95.—**Chapman, P. F.** V. D. prophylaxis for the troops. Brit. M. J., 1940, **2**: 169.—**Clerc.** La préservation individuelle des maladies vénériennes dans la marine marchande. Rev. fr. derm. vénér., 1936, **12**: 161–3.—**Del Palacio, A.** Profilaxis individual y social contra las enfermedades venéreo-sifilíticas. Actas Congr. internac. med. farm. mil., 1933, 7. Congr., **2**: Tema 4, 300–12, pl.—**Ennes, H. W., jr.** Venereal disease discipline. U. S. Nav. M. Bull., 1945, **45**: 997–1016.—**Falkner, P. H.** Venercal prophylaxis; its meaning and effects. J. R. Army M. Corps, 1926, **46**: 99–114, 2 ch.—**Gauducheau, A.** La prophylaxie des maladies vénériennes dans l'Armée. Bull. Soc. méd. mil. fr., 1927, **21**: 163–6. ——— Sur la prophylaxie antivénérienne dans la marine. Prophyl. antivénér., 1929, **1**: 673–7. ——— Note sur la prophylaxie antivénérienne individuelle. Ann. méd. pharm. col., Par., 1934, **32**: 5–17.—**Hanson, M. C.** Protection of soldiers, sailors, and workers from syphilis and gonorrhea; from the standpoint of the public health officer. J. Social Hyg., 1941, **27**: 181–5.—**Henry, R. B.** The prophylaxis of V D. Hosp. Corps Q., 1945, **18**: No. 4, 40.—**Jausion, H. M. G.** La prophylaxie des maladies vénériennes: ses bases épidémios et immunologiques. Arch. méd. pharm. mil., 1926, **85**: 44–75.—**Lakaye.** La prophylaxie antivénérienne à l'Armée. Bull. internat. Serv. santé, Liége, 1946, **19**: 253–64.—**McElligott, G. L. M.** The prevention of venereal disease. In: Interallied Conf. War Med. (1942–45) 1947, 263–5.—**Manthey** [Prevention of venercal diseases among sailors] Norsk tskr. mil. med., 1927, **31**: 81–6.—**May, O.** The prevention of venereal diseases in the Army. Practitioner, Lond., 1916, **96**: 482–90.—**Merrill, M. H.** Venereal discase prevention in wartime; an evaluation of progress under the 8 point agreement of May, 1940. J. Social Hyg., 1943, **29**: 80–8.—**Millspaugh, J. A.** The prophylaxis of venereal disease. U. S. Nav. M. Bull., 1936, **34**: 32–8.—**Mowry, A. E.** Suggestions for the prevention and control of venereal diseases in the Army. Illinois M. J., 1918, **33**: 134–9.—**Muxo y González, A.** Necesidad de una legislación adecuada sobre profilaxis venerea. Rev. san. mil., Habana, 1938, **2**: 29–33.—**Officer, J. M.** The prophylactic treatment of venereal disease. J. R. Army M. Corps, 1941, **77**: 29–31.—**Parnell, R. J. G.** Remarks on the prophylaxis of venereal diseases. J. R. Nav. M. Serv., 1932, **18**: 50–3.—**S., W. H.** Venereal disease prophylaxis. Bumed News Lett., Wash., 1944, **4**: No. 7, 9–11.—**Sánchez Gómez, J.** Prophylaxie des maladies vénériennes. Verh. Kongr. Sex. Reform (1930) 1931, 4. Kongr., 633–9.—**Sangiorgi, G.** La profilassi contro le malattie veneree. Gior. med. mil., 1926, **74**: 449–58.—**Turner, T. B.** Some aspects of venereal disease prevention in wartime. J. Social Hyg., 1942, **28**: 518–20.—**Venereal** disease prophylaxis. Circ. Lett. Surgeon Mediterr. Theater U. S. Army, 1945, No. 10, 1–7. Also In: Prev. Med. in World War II, Wash., 1948, **3**: App. 4 g, 1–8.—**Vokoun, F. J.** Prevention of venereal disease. Mil. Surgeon, 1935, **77**: 221.

—— Prevention: Measures.

See also subheading (Control services) also **Venereal prophylactic kit.**

Angwin, W. A. Soap and water as a venereal disease prophylactic. Mil. Surgeon, 1942, **90**: 439–42.—**Ashford, M.** Evaluation of the efficacy of calomel ointment for venereal prophylaxis. Ibid., 1931, **68**: 57–9. ——— & **Hathaway, L. M.** Hexylresorcinol as a venereal prophylactic. Ibid., 1932, **70**: 128–37.—**Bachmann, R. A.** The rubber sheath; its uses and abuses. Med. World, Phila., 1941, **59**: 36.—**Bergsma, D.** Sulfathiazole prophylaxis for gonorrhea and chancroid among soldiers in the Caribbean area. Am. J. Syph., 1946, **30**: 368–80.—**Blute, J. F., jr.** Sulfa-mercury compound for venereal prophylaxis. U. S. Nav. M. Bull., 1944, **43**: 1063–6.—**Boyden, R. C.** The relative protective value of various prophylactic drugs and methods for the control of venereal diseases. Ibid., 1936, **34**: 354–9, pl.—**Cox, W. C.** Sulfathiazole prophylaxis. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 19–23. ——— Prophylactic use of sulfathiazole as a venereal prophylaxis. Ibid., Chapt. 13, Exh. D, 1–3, form.—**Cuscianna, P.** Manifestazioni infiammatorie dell'apparato genitale maschile da profilassi impropria. Ann. med. nav., Roma, 1937, **43**: 5–25.—**Del Palacio, A.** Prescrgonol; nuevo profiláctico individual antivenéreo. Actas Congr. internac. med. farm. mil., 1933, 7. Congr., **2**: Tema 4, 312–8.—**Device** to aid venereal prophylaxis. Bull. U. S. Army M. Dep., 1945, No. 86, 33.—**Duckwall, B. F., & Cox, W. C.** An experiment in the use of individual tubes in the prophylaxis of venereal disease. Mil. Surgeon, 1931, **69**: 172–80.—**Frantz, R.** Civilians, soldiers, and the chemical prophylaxis of venereal diseases; a preliminary report. Vener. Dis. Inform., 1942, **23**: 286–9.—**Gauducheau, A.** Sur la désinfection antivénérienne. Arch. méd. pharm. nav., 1933, **123**: 663–71.—**Leruitte, A.** Faut-il adopter le condom à l'armée? J. belge urol., 1945–46, **14**: 195–203.—**Maldonado B., C.** Profilaxis de las enfermedades venereas; algunas medidas de prevención. Actas Congr. med. cir. nav. med. Chile, 1929, 370–3.—**Montesano, V.** Composti di sulfamido-metil-tiazolo e malattie veneree. Gior. med. mil., 1942, **90**: 81–92.—**Nicolau, S.** Cunoştinţe practice relativ la profilaxia individuală a boalelor venerice; mijloace de dezinfecţie locală, tratament preventiv şi metalo-preventiunea aplicată la prostituate. Rev. san. mil., Bucur., 1936, **35**: 712–25.—**Pavlov, S. T., & Kargin, V. A.** O novom profilaktićeskom sredstve Viridol. Voen. med. J., Moskva, 1932, **3**: 159–63.—**Priston, J. L., & Frederick, R. C.** A proposed anti-venereal prophylactic. J. R. Nav. M. Serv., 1926, **12**: 283–5.—**Smith, H. W.** A formula for immediate chemical prophylaxis. U. S. Nav. M. Bull., 1938, **36**: 522–4. ——— A formula for immediate chemical prophylaxis; supplementary report. Ibid., 1941, **39**: 80.—**Taylor, K. P. A.** Memorandum on venereal prophylaxis; a satisfactory multivalent compound. Mil. Surgeon, 1943, **93**: 54–60. ——— Complete venereal prophylaxis with a sulfa-mercury compound. U. S. Nav. M. Bull., 1943, **41**: 1488–94. ——— Unitary venereal prophylaxis; sulfa-mercury compound and allied preparations. Ibid., 1945, **45**: 189–91.—**Tousey, T. G., Richter, E. J.** [et al.] A new technique of prophylaxis in venereal diseases. Bull. U. S. Army M. Dep., 1944, No. 75, 108–10.—**Venereal** disease preventive measures at an R. A. F. station overseas. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, June, 9.—**Villas Bôas, J. de A., Gonsalves, B., & Silveira,** filho, **F. A. de S. da.** Meios de reduzir o contágio venéreo no Exército. Vida méd., Rio, 1940, **8**: No. 9, 13–9.—**Zrůnek, K.** [Effect of chemical prophylaxis of venereal diseases] Voj. zdrav. listy, 1927, **3**: 36–44.

—— Problems.

United States. Army. Surgeon General's Office [Venereal disease as a military problem; a scrapbook of newspaper clippings] 3v. 30cm. Wash., 1941–42.

Musser, J. H. Venereal disease problems in mobilization. Texas J. M., 1942–43, **38**: 214–6.—**Osmond, T. E.** Problems

of venereal disease in the Army. Practitioner, Lond., 1945, 154: 280–5.—**Rosenthal, T.** Problems in the epidemiology of venereal disease in wartime. Am. J. Syph., 1943, 27: 581–9.

—— Prophylactic stations and centers.

See also subheading (Prevention) also **Venereal prophylactic kit.**

Gougerot. La prophylactic station ou cabinet prophylactique. Caducée, Par., 1918, 18: 115–8.—**Hood, A.** The prevention of venereal disease with special reference to preventive ablution centres. J. R. Army M. Corps, 1937, 68: 390–2.—**McNiel, J. G., & Hood, T. R.** The unit prophylactic station. Med. Bull. Medit. Theater U. S., 1945, 3: 50–2.—**Metropolitan** prophylactic stations. In: Prev. Med. in World War II, Wash., 1948, 3: 47.—**Safford, A. H., & Paris, A. C.** Central prophylactic rooms. J. R. Army M. Corps, 1927, 49: 358–61.—**Siefiko, K.** [On the necessity of organizing antivenereal prophylactic stations] Lek. wojsk., 1938, 32: 482–9.

—— Recruits.

United States. Public Health Service. Results of serological blood tests for syphilis on Selective Service registrants. 425p. 26cm. Wash., 1942.

Baker, C. G. Serologic tests and venereal disease control in selectees. Bull. Dep. Health Kentucky, 1942–43, 15: 48–50.—**Bergsma, D.** Syphilis and gonorrhea in New Jersey draftees. Pub. Health News, Trenton, 1941, 25: 387–94. ——— The relative prevalence of syphilis in New Jersey as shown by blood testing 105, 581 draftees. Ibid., 1942, 26: 22.—**Briggs, G. C.** Treatment plan for infected rejectees. Pub. Health Nurs., Utica, 1942, 34: 462.—**Burns, A.** Syphilis follow-up among selectees. Ibid., 1943, 35: 28.—**Carskadon, W. E.** Routine blood Kahn reactions; report of 9,434 tests made on Marine Corps recruits. U. S. Nav. M Bull., 1942, 40: 106.—**Dyar, R.** Syphilis in Selective Service registrants; determination of prevalence and plan of rehabilitation of proven cases. Vener. Dis. Inform., 1942, 23: 43–50.—**Eanes, R. H.** Venereal disease and selective service. Ibid., 1944, 25: 3–13.—**Follow-up** of genitoinfectious diseases in Selective Service and Armed Forces. News Lett. Massachusetts Dep. Pub. Health, 1943, 8: No. 2, 2–4.—**González, L. C.** Number of selectees examinations as of date compiled and number found with positive serologic test for syphilis with rate positive per 1000 tested, by race and total. Health Notes, Jacksonville, 1941, 33: 157.—**Gray, A. L.** What is being done about selectees with venereal disease. Mississippi Doctor, 1942–43, 20: 158–63.—**Greve, C. H.** Venereal diseases found in Selective Service registrants. Am. J. Pub. Health, 1946, 36: 751–8.—**Hamilton, J. H.** Serological survey of draft registrants. North Carolina M. J., 1941, 2: 598–601.—**Johnson, A. M.** Syphilis among Rochester selectees and volunteers. Health Bur., Rochester, 1941, Nov., 3.—**Kansas;** venereal disease among selectees. J. Am. M. Ass., 1942, 119: 958.—**Karpinos, B. D.** Venereal disease among inductees. Bull. U. S. Army M. Dep., 1948, 8: 806–20.—**Kresge, A. M.** A technic of follow-up of Selective Service registrants with syphilis in Philadelphia. Vener. Dis. Inform., 1944, 25: 167–70.—**Long, L. W.** The venereal disease problem revealed by the Selective Service examinations and the plan developed for its solution. Mississippi Doctor, 1942–43, 20: 126–9.—**Moore, H. B., & Dill, E. R.** Venereal disease program for rejectees. Pub. Health Nurs., Utica, 1942, 34: 266.—**Musser, J. H., & Onstott, R. H.** Venereal diseases among selectees and volunteers in Louisiana. N. Orleans M. & S. J., 1941–42, 94: 442–7.—**Perley, A. J.** Syphilis among Selective Service registrants in a southern county, Alabama. South. M. J., 1942, 35: 65–70.—**Registrants** with positive serologic reactions. J. Am. M. Ass., 1943, 123: 41.—**Report** of Selective Service serologic tests for syphilis performed by the following laboratories in Pennsylvania, November, 1940 to August 31, 1941.—Pennsylvania Health, 1941–42, 2: No. 8, 9.—**Results** (The) of serologic tests for syphilis among Selective Service registrants in Tennessee. J. Tennessee M. Ass., 1942, 35: 421–5.—**Romaine, M., & Chapin, W. E.** Venereal disease in Selective Service rejectees. Virginia M. Month., 1943, 70: 46.—**Syphilis** among selectees. Mil. Surgeon, 1941, 89: 831; 1942, 91: 116.—**Syphilis** among selectees and volunteers. J. Am. M. Ass., 1941, 116: 2859.—**Syphilis** and conscription. West Virginia M. J., 1940, 36: 524.—**Thomas, G. E., & Garrity, R. W.** Routine Kahn blood reactions; report of 10,000 tests made on naval recruits. U. S. Nav. M. Bull., 1941, 39: 72–4.—**Trautmann, M.** Syphilis and selective service in Wisconsin. Wisconsin Bd Health Q. Bull., 1942–43, 7: No. 6, 22.—**Vonderlehr, R. A., & Usilton, L. J.** Syphilis among selectees and volunteers; prevalence in first million men examined under the Selective Service Act of 1940. J. Am. M. Ass., 1941, 117: 1350.—**Whitehead, W. D.** Syphilis and Selective Service. Med. Soc. Rep., Scranton, 1943, 37: No. 2, 14.

—— service-induced.

Cox, O. F. Venereal disease as a war injury. N. England J. M., 1944, 231: 646–9.—**Sicard de Plauzoles.** Le péril vénérien risque de guerre; conseils aux marins et aux soldats. Prophyl. antivénér., 1940, 12: 172–5.

—— Treatment.

Skalweit, W. Erfahrungsbericht über Salvarsanschäden am Nervensystem. MS. 31p. 31cm. Rostock, 1944.

United States. Army. Mediterranean Theater of Operations. Office of the Surgeon. Circular letter, No. 4: Management of the venereal diseases. 20p. 26cm. n. p., 1945.

United States. War Department. Technical bulletin MED 157: Chancroid, lymphogranuloma venereum, and granuloma inguinale. 5p. 26cm. Wash., 1945. Also Change 1. 2p. 26cm. Wash., 1946.

Altshuler, S. S., & Bixby, E. W. Errors in venereal disease management. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1: No. 3, 21–35.—**Danger** of self-treatment and treatment by private physicians for venereal diseases. Vener. Dis. Bull., Randolph Field, 1943, No. 10, 4.—**Deramaix.** A propos d'un cas exceptionnel de syphilis primaire présérologique rebelle à la thérapeutique; arséno-bismutho-mercurielle; évolution vers des accidents secondaires sévères et précoces; pénicillothérapie. Bull. Soc. méd. mil. fr., 1947, 41: 177–81.—**Guzzi, M.** I derivati organici dello zolfo nella cura della blenorragia. Ann. med. nav., Roma, 1940, 46: 13–25.—**Improvements** in treatment of venereal disease. Bull. U. S. Army M. Dep., 1945, No. 89, 76–9.—**Keet, E. E., jr.** Venereal disease treatment. Hosp. Corps Q., 1945, 18: No. 4, 41–4.—**Maguire, J. G.** Advances in the treatment of venereal diseases during the war, 1939–45. J. R. Nav. M. Serv., 1948, 34: 145–51.—**Penicillin** treatment of gonorrhea; penicillin treatment of primary and secondary syphilis. Circ. Lett. Surgeon North Afr. Theater Oper., 1944, No. 38, 1–3.—**Pillsbury, D. M.** Treatment of venereal diseases in the European Theater of Operations. Am. J. Syph., 1945, 29: 447–54. Also J. Social Hyg., 1945, 31: No. 1, Suppl., 13.—**S., W. H.** Penicillin therapy of venereal disease. Bumed News Lett., Wash., 1944, 3: No. 10, 6.—**Saidac, I., & Teodosiu, T.** Considerațiuni etiologice și tratamentul ulcerelor venerice gangrenoase. Rev. san. mil., Bucur., 1934, 33: 647–51.—**Traitement** de la blennorragie et de la syphilis. Rev. Corps san. mil., Par., 1945, 1: No. 5, Ed. spéc., 1–10.—**Treatment** of gonorrhea and syphilis with penicillin. Circ. Lett. Chief Surgeon Europ. Theater Oper., 1944, No. 107, 1–3.—**Treatment** (The) of syphilis and gonorrhea at the North Sector General Hospital, APO 957, 7 December 1941 to 15 September 1945. In: Prev. Med. in World War II, Wash., 1948, 10: 31–4.—**Treatment** of venereal diseases in war-time. Med. Off., Lond., 1941, 65: 7.—**Tuma, J.** [Economic treatment of venereal diseases in the Army] Voj. zdrav. listy, 1931, 7: 49–55.—**Winter, H. G.** Notes on the management of venereal diseases. J. R. Army M. Corps, 1933, 60: 21–32.—**Yamada, M.** Guntai ni okeru karyūbyō-yaku no ōyō ni tuite [The use of drugs for venereal diseases in the Army] Gun idan zassi, 1927, 186–96.

—— Treatment, forced.

Quarantine measures to be instituted in venereal disease infections. In: Prev. Med. in World War II, Wash., 1948, 11: pt 2, Chapt. 13, Exh. B, 1.—**Rittau, M.** Unbeschränkter Behandlungszwang für geschlechtskranke Soldaten? Deut. med. Wschr., 1928, 54: 751.—**Strauss, H., & Grunstein, I.** Sulfathiazole therapy of 500 prostitutes with chronic gonorrhea; the control of venereal disease in wartime. Med. Soc. Rep., Scranton, 1943, 37: No. 6, 16.

—— Treatment: Untoward effects.

Bergeret, P. M. Blennorragie et syphilis; biotropisme gonococcique, par le novarsénobenzol. Arch. méd. pharm. mil., 1930, 93: 515–20.—**Caution** in chemotherapy of venereal diseases. Bull. Army M. Dep., Lond., 1942, No. 15, 5. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 62.

—— Treatment units.

See also subheading (Prophylactic stations and centers)

Erskine, D. Soldiers at civilian V. D. clinics. Lancet, Lond., 1941, 2: 353.—**Ferguson, H. A.** The organization and lay-out of a civil venereal centre. J. R. Army M. Corps, 1935, 65: 385–91.—**Lempka, A. W.** Management of patients in a venereal disease hospital operated by a platoon of a clearing company. Med. Bull. Medit. Theater U. S., 1945, 3: 63–8.—**Osmond T. E.** Treatment of soldiers at civilian V. D. clinics. Lancet, Lond., 1941, 2: 293; 409.—**Pavlov, S.** Dermato-venerologičeskaja pomošč. In: Enciklopedičeskij slovar voen. med., Moskva, 1946–48, 2: 437–40.—**Venereal** disease clinics. Mil. Surgeon, 1941, 89: 830.—**White, H. H.** Treatment of troops at civilian V. D. clinics. Lancet, Lond., 1941, 2: 204.

—— Veterans.

See also subheading (National aspect)

Ferree, J. W., & Ennes, H. The venereal disease heritage of World War II; a Navy view of demobilization and postwar venereal disease and social hygiene problems. J. Social Hyg.

1945, **31**: 515–29, 4 pl.—**Johnson, B., jr.** The problem of syphilis as seen by the Veterans Administration. Ibid., 1947, **33**: 385–8.—**Romaine, M., & Chapin, W. E.** Venereal disease as soldiers return. Virginia M. Month., 1946, **73**: 151.—**Silver, P.** Service cases of venereal disease on demobilization. Brit. M. J., 1942, **2**: 766.—**Venereal** disease among returned soldiers (Japan) J. Am. M. Ass., 1938, **111**: 1394.

—— by countries.

Carpenter, C. M. Report of studies on venereal disease. J. Mil. M. Pacific, 1946, **2**: No. 4, 17–22.—**Carter, M. A.** Nomogram used for hurried calculation of venereal disease rate. In: Prev. Med. in World War II, Wash., 1948, **7**: 19, 2 ch.—**Guthe, T.** Venereal disease control in Europe with particular reference to the Scandinavian countries during World War II. Am. J. Syph., 1945, **29**: 381–92.—**Hinrichsen, J.** Venereal disease in the major armies and navies of the world. Ibid., 1944, **28**: 736; passim.—**Neumann, H.** Ueber die Bekämpfung der Geschlechtskrankheiten in verschiedenen ausländischen Kriegsmarinen. Arch. Derm. Syph., Berl., 1939, **179**: 651–74.

—— by countries: Argentina.

Aguirre, R. D. Porvenir del sifilítico de la Armada. Rev. san. mil., B. Air., 1921, **20**: 435–44.—**Alcorta, F.** A profilaxia anti-venerea na Armada argentina. An. Congr. brasil. urol. (1935) 1936, 1. Congr., 197–9.—**Bacigalupo, J.** La reacción de Wassermann y Kahn en el ejército. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 698–700.—**López, J. A.** La sífilis ante el reglamento de excepciones militares. Rev. san. mil., B. Air., 1921, **20**: 815–21.—**Reyes, H.** Enfermedades venéreas comunes en la frontera norte. Ibid., 1936, **35**: 260–3.—**Vedia, E. B. de.** Consideraciones sobre diagnóstico y tratamiento de la sífilis en el Ejército. Ibid., 1938, **37**: 24–52.

—— by countries: Australia.

Gibson, N. M. Control of venereal disease in the Army. Med. J. Australia, 1942, **2**: 290–2. —— **Telfer, A. C.** [et al.] Venereal disease. Ibid., 328–32.—**Griffith, H. H.** The clinical treatment of syphilis in the Australian Army. Ibid., 1917, **2**: 197; 223.—**Venereal** disease control in the Army [Australia] J. Am. M. Ass., 1943, **122**: 824.

—— by countries: Austria.

Binar. Behandlung der Syphiliskranken im Jahre 1913 im Garnisonspitale in Mostar. Militärarzt, Wien, 1914, **48**: 214–6.—**Horrax, T. M.** Report of acute gonorrhea in the Vienna area; 1 November 1947 through 31 October 1948. Med. Bull. Europ. Command, 1949, **6**: No. 2, 4.—**Moldovan, J.** Die Bekämpfung der Geschlechtskrankheiten bei der Armee im Felde. Verh. feldärztl. Tag. Armee, Wien, 1917, 181–216.—**Sachs, O.** Vorschläge betreffend die Bekämpfung der venerischen und einiger parasitärer Hauterkrankungen im Heere. Wien. klin. Wschr., 1914, **27**: 1640.

—— by countries: Belgium.

Apers & Schraenen, W. The campaign against venereal disease in the Belgian mercantile marine. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 190–4.

—— by countries: Bolivia.

Aparicio, A. El problema de la sífilis en el Ejército. Rev. san. mil., La Paz, 1938, **4**: 599–605.—**Prado Barrientos, L.** Datos estadísticos sobre 5,000 reacciones de Bordet-Wassermann del año 1932–39. Ibid., 1940, **4**: 850–62.—**Siles, J.** La sanidad militar y las epidemias de bubónica del Chaco. Ibid., 881–8.

—— by countries: Brazil.

Villas Bôas, J. de A., Gonsalves, B., & Silveira, filho, F. A. de S. da. Incidência da sífilis no Exército. An. Cont. nac. defesa síf., Rio (1940) 1941, 1. Conf., **1**: 79–85. Also Vida med., Rio, 1941, **9**: 8–12. —— Meios de reduzir o contágio venéreo no Exército. Cienc. méd., Rio, 1943–44, **12**: 257–67.—**Carneiro, E.** Considerações sobre o combate á sífilis entre os marítimos. An. Cont. nac. defesa síf., Rio (1940) 1941, 1. Conf., **2**: 221–7.—**Cesar de Andrade, L.** Esbôço para a profilaxia da sífilis no Exército. An. Hosp. centr. exerc., Rio, 1939, **4**: 127–33.—**Costa Moreira, T. M. da.** Pôsto de profilaxia de doenças venéreas. Rev. méd. cir. Brasil, 1945, **53**: 341–8.—**Cunha Pires de Amorim, G. A.** Percentuais de sífilis na Armada. Arq. brasil. med. nav., 1943, **4**: 321–46, 13 tab.—**Faria, R.** A sífilis no meio militar. Rev. med. mil., Rio, 1944, **33**: 40–55.—**Fonseca, L. C.** Incidência das moléstias venéreas numa coletividade militar. Pub. méd., S. Paulo, 1945–46, **17**: 31–50.—**Galdino, A.** Organização da luta anti-venérea na cidade e no campo. Arq. brasil. med. nav., 1945, **6**: 943–64.—**Jabur, N.** Doenças venéreas e sua profilaxia. Ibid., 1947, **8**: 1237–58.—**Lima, E.** Incidência da sífilis na Marinha durante um quinquênio. An. Conf. nac. defesa síf., Rio (1940) 1941, 1. Conf., **1**: 87–93.—**Lobo, A.** As doenças venéreas no Exército brasileiro. Fol. méd., Rio, 1927, **8**: 129–32. Also Rev. med. hyg. mil., Rio, 1927, **16**: 211–20.—**Maciel, H.** A syphilis na Armada brasileira. Sciencia med., Rio, 1928, **6**: 24–33. —— A incidência da sífilis na Armada brasileira. An. Conf. nac. defesa síf., Rio (1940) 1941, 1. Conf., **1**: 95–8. Also Fol. med., Rio, 1941, **22**: 5. Also Impr. med., Rio, 1942, **18**: No. 337, 88. —— A sífilis na Armada brasileira. Bol. Acad. nac. med., Rio, 1943, **114**: No. 4, 50–74.—**Pereira Bicudo, J. B.** Da necessidade da profilaxia venérea em nosso país. Rev. med. mil., Rio, 1947, **36**: 40–9.—**Saleiro Pitão, J., & Souza Lima, B. de.** Incidência de sífilis no Exército. Ibid., 1944, **33**: 259–67.—**Sanzio, C.** A avaría. Ibid., 1943, **28**: 28–30.—**Sudá de Andrade, C.** A sifilis e o exército; esboço de uma campanha de profilaxia. Ibid., 1940, **29**: 136–45.

—— by countries: Canada.

Heagerty, J. J. Venereal disease control during wartime. Canad. Pub. Health J., 1939, **30**: 567–70.—**Mather, J. M.** The venereal disease control programme of the Royal Canadian Air Force. Ontario M. Rev., 1944, **11**: 9–17.—**Tice, J. W., Sellers, A. H.** [et al.] Some observations on venereal-disease control in the Royal Canadian Air Force. Canad. J. Pub. Health, 1946, **37**: 43–56.—**Tice, J. W., Sellers, A. H., & Anderson, R. M.** Sources and modes of venereal disease infection in the Royal Canadian Air Force. Canad. M. Ass. J., 1944, **51**: 397–403.—**Venereal** disease in the Canadian Army showing the rate per 1,000 strength per annum from January 1, 1940 to December, 1944 (chart) Ibid., 1945, **52**: 184.—**Venereal** disease conditions in Newfoundland. In: Prev. Med. in World War II, Wash., 1948, **6**: 135–7.

—— by countries: Canal Zone.

Bispham, W. N. Venereal disease in the Canal Zone. Mil. Surgeon, 1928, **62**: 460–71.—**Cox, W. C.** Rates per thousand per annum, new and long venereal disease, Panama Canal Department for the years 1936 to 1945 inclusive. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 13–7.—**Rates** per thousand per annum for chancroid and gonorrhea, Panama Canal Department by months, calendar year 1943 [tab.] Ibid., 18.—**Surgeon** General's program on control of venereal disease on the Canal Zone. Urol. Cut. Rev., 1943, **47**: 58.

—— by countries: Chile.

González Pastor, E. Profilaxis antivenérea en el carabinero y en la familia. Actas Congr. med. cir. nav. mil. Chile, 1929, 648–55.—**Lira Valencia, A.** Profilaxis de las enfermedades venéreas en el cuerpo de carabineros. Ibid., 1929, 493–6.—**Ríos Castro, R.** Conocimientos sobre males venéreos en el personal de las fuerzas armadas de Valparaíso; nota preliminar. Rev. chilena hig., 1942–43, **5**: 39–45.—**Segura Martínez, L.** Profilaxia antivenérea en los carabineros y en sus familias (proyecto de reglamentación) Actas Congr. med. cir. nav. mil. Chile, 1929, 438–43.—**Venegas O., R.** Profilaxia de las enfermedades venéreas en el Ejército de Chile. Ibid., 403–7.—**Vicuña, H.** Conceptos sobre lucha antisifilítica en la Sección higiene social de la Armada. Rev. san. nav., Valparaíso, 1939, **9**: 79–82. —— Ueber die Tätigkeit in der Abteilung für Harn- und Geschlechtskrankheiten des Hospitals Almirante Nef im Jahre 1936. Deut. Militärarzt, 1940, **5**: 507 (Abstr.)

—— by countries: Cuba.

Randin, J. Investiguese la sífilis. Rev. san. mil., Habana, 1941, **5**: 191–203, ch. tab.

—— by countries: Czechoslovakia.

Burian, V. [The Army and the law for fighting the venereal diseases, passed on the 11th July, 1922] Voj. zdrav. listy, 1928, **4**: 118–23.—**Křeček, J.** Problém léčení pohlavních chorob v naší armádě. Ibid., 1948, **17**: 134–8.—**Odstrčil, J.** O abortivním léčení příjice u vojska. Cas. lék. česk., 1914, **53**: 977–9.—**Slezáček, L.** Současná situace prevence pohlavních chorob v čs. armádě. Voj. zdrav. listy, 1948, **17**: 30–5.—**Zrůnek, K.** [Ten years of combatting venereal diseases in Czechoslovakia] Ibid., 1933, **9**: 18–46.

—— by countries: Denmark.

Brun-Pedersen, M. [Venereal and skin diseases in the Army] Militaerlaegen, 1935, **41**: 229–34.—**Reymann, F.** A contribution to the enlightenment on the frequency of syphilis among workable officers and crews of the Danish mercantile marine. Acta derm. vener., Stockh., 1940, **21**: 667–73.

—— by countries: Eire.

Leruitte, A. Le péril vénérien et nos troupes en Irlande. J. belge urol., 1945–46, **14**: 139–42.

—— by countries: France.

BOSREDON, P. M. E. *Des conditions de traitement des marins du commerce blessés ou malades et en particulier des marins atteints de maladies vénériennes. 63p. 25cm. Bord., 1938.

JANET, J. Traitement de la blennorrhagie aux armées et à l'intérieur. p.1–95. 22½cm. Par., 1919.

P. verb. Ass. fr. urol. (1918) 1919, **18**:

Bergeret, P. M. Les maladies vénériennes à l'armée française du Rhin sous le régime de la Loi d'Empire du 18 fevrier 1927.

Arch. méd. pharm. mil., 1929, **90**: 331–44.—**Bernard, R.** Prophylaxie chez les marins. Prophyl. antivénér., 1938, **10**: 654–68.—**Bohec, J.** Rapport sur le traitement des marins délaissés forfaitairement pour maladies vénériennes. Ibid., 1935, **7**: 374–84.—**Cazeneuve.** Les maladies vénériennes parmi les équipages des forces navales en Extrême-Orient en 1927. Arch. méd. pharm. nav., 1929, **119**: 43–65.—**Conduite** pratique du traitement des vénériens aux armées et dans les régions [Comité secret] Bull. Soc. fr. derm. syph., 1940, **47**: 87–9.—**Cristol.** Prophylaxie antivénérienne au cours des croisières de la première escadre. Arch. méd. pharm. nav., 1935, **125**: 214–27.—**Cumming, H. S.** Questions relatives à l'hospitalisation des marins atteints de formes contagieuses de maladies vénériennes. Bull. Off. internat. hyg. pub., Par., 1939, **31**: 284.—**De Weert, J.** Organisation des soins aux vénériens dans une armée en campagne. Arch. Serv. san. Armée belge, 1946, **99**: 396.—**Du Bourguet.** Au sujet de l'application du traitement d'Ehrlich dans l'Armée. Bull. Soc. méd. mil. fr., 1912, **6**: 288.—**Gougerot.** Organisation des services annexes, difficultés rencontrées. Arch. méd. pharm. mil., 1917, **67**: 684–9. ——— & **Destandau-Barrau.** La lutte contre le péril vénérien dans la marine marchande. Prophyl. antivénér., 1935, **7**: 327–73.—**Hermans.** La lutte antivénérienne sur le Rhin. Ibid., 1937, **9**: 97–102.—**Huc.** Les rétrécis aux Armées. Bull. Soc. fr. urol., 1940, 69–72.—**Jamain.** Comment traiter pratiquement à bord les maladies vénériennes et les affections de la peau les plus fréquentes. Arch. méd. pharm. nav., 1933, **123**: 87–111.—**Jame, L.** La prophylaxie des maladies vénériennes dans l'Armée en temps de paix. Prophyl. antivénér., 1932, **4**: 465–79. ——— & **Pagès, F.** L'enquête épidémiologique dans l'Armée; son utilité; ses résultats. Ibid., 1949, **21**: 486–97.—**Jausion, H., Spillmann, A., & Karcher, R.** Prophylaxie des maladies vénériennes et enquêtes épidémiologiques dans une armée. Bull. Soc. fr. derm. syph., 1939, **46**: 1417–23.—**Jude, L. V. R., & Lubet, J. V. H.** La lutte antivénérienne dans les Etats du Levant sous mandat français. Arch. méd. pharm. mil., 1933, **99**: 579–97.—**Junquet.** Les divers traitements de la syphilis dans l'Armée, leur indication pratique; leur valeur comparée. Ibid., 1932, **97**: 44–59.—**Maladies** vénériennes. Statist. méd. Armée (France) (1894) 1896, 136–9.—**Martial, J. E.** La prophylaxie des maladies vénériennes dans une garnison du Tonkin (Langson) Ann. méd. pharm. col., Par., 1937, **35**: 463–94.—**Moine, M.** Evolution de la morbidité de la syphilis dans l'Armée de l'intérieur, de 1928 à 1937. Prophyl. antivénér., 1940, **12**: 184–6.—**Morin, H. S.** Cent cas de syphilis jeune chez les tirailleurs malgaches. J. méd. Bordeaux, 1919, **90**: 331–7.—**Morschhäuser.** Projets d'une collaboration internationale dans le domaine de la lutte contre les maladies vénériennes dans le personnel de la navigation fluviale. Prophyl. antivénér., 1937, **9**: 71–7.—**Parneix.** Le problème vénérien à bord d'un aviso en campagne. Arch. méd. pharm. nav., 1933, **123**: 71–86.—**Pautrier, L. M.** Rapport sur la question de la lutte contre les maladies vénériennes dans ses relations avec la navigation rhénane. Prophyl. antivénér., 1937, **9**: 78–91.—**Petges, G.** Les maladies vénériennes à Bordeaux pendant la guerre. J. méd. Bordeaux, 1941, **118**: 523. ——— & **Jouila.** Organisation du traitement des marins atteints de maladies vénériennes. Prophyl. antivénér., 1935, **7**: 458–72.—**Rapport** sur la prophylaxie des maladies vénériennes dans l'Armée en temps de paix. Arch. méd. pharm. mil., 1932, **97**: 64–77.—**Spillmann, L.** Résultats des enquêtes épidémiologiques effectuées pendant le premier trimestre de guerre au Centre régional antivénérien de Nancy. Bull. Soc. fr. derm. syph., 1939, **46**: 1423–6.—**Traitement** (Le) de la syphilis aux armées. Rev. gén. clin. thér., 1917, **31**: 233–5.—**Varache.** Les fléaux sociaux de la marine. Ann. hyg., Par., 1938, n. ser., **16**: 218–30.—**Vennin.** Le traitement de la syphilis dans l'Armée par le salvarsan et les substances alliées. Tr. Internat. Congr. Med., Lond., 1913, 17. Congr., Sect. 13, Derm. Syph., 159–91.—**Verdollin.** La syphilis à Toulon, 1935–39; mouvement de la syphilis primaire, secondaire (cas nouveaux) dans la population militaire. Prophyl. antivénér., 1940, **12**: 176–82.—**Viborel, L.** La propagande pour la protection de la santé du marin sain. Ibid., 1935, **7**: 473–83.

——— by countries: Germany.

GERMANY. HEER. SUEDWEST. HEERESGRUPPE C. HEERESGRUPPENARZT. Az.: 49r10 (Hyg.) Bekämpfung von Geschlechtskrankheiten. 3p. 30cm. n. p., 1945.

Borck, W. Neuzeitliche Behandlung der akuten Gonorrhoe in der Wehrmacht. Münch. med. Wschr., 1941, **88**: 177–9.—**Curtis, F. R.** Venereal diseases in the British-occupied zone of Germany. Brit. J. Vener. Dis., 1947, **23**: 20–30.—**Decrease** in venereal disease in German Navy. J. Am. M. Ass., 1937, **108**: 1273.—**Gottron, H.** Geschlechtskrankheiten beim Heer in Krieg und Frieden. Med. Welt, 1940, **14**: 736; 759.—**Grunske, F.** Die Bekämpfung der Geschlechtskrankheiten bei der Kriegsmarine. In: Wehrhygiene (Handloser, S.) Berl., 1944, 469–74.—**Jaeckel, C.** Geschlechtskrankenfürsorge bei Soldaten. Deut. Militärarzt, 1940, **5**: 487–91.—**Klose.** Haben die Geschlechtskrankheiten im Kriege zugenommen? Oeff. Gesundhdienst., 1941–42, **7**: B, 91.—**Knetsch.** Geschlechtskrankheiten und WDR. Deut. Militärarzt, 1944, **9**: 279–82.—**Nast.** Die Bekämpfung der Geschlechtskrankheiten unter den Seeleuten in Danzig. Oeff. Gesundhdienst., 1938–39, **4**: A, 551–4.—**Popovich, T.** Measures and organization for combatting VD among German civilians. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: 22–8.—**Report** by the Thüringen Ministry of the Interior in Weimar and by the Thüringen Principal Consultation Office for Skin and Venereal Diseases, Jena, University Skin Clinic, on the results of the year 1943. CIOS Rep., Lond., 1944, Item 24, No. XXVIII–6, 18–23.—**Richtlinien** für die Syphilisbehandlung von Seeleuten in den Behandlungsstellen der Häfen. Deut. med. Wschr., 1937, **63**: 939–41.—**Rosmann, H. K.** Venereal diseases. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 94–8. ——— Venereal disease among females in Hamburg 1939–43 [tab.] Ibid., 97.—**Ruge, H.** Die Geschlechtskrankheiten in der Marine und ihre Bekämpfung; ein Ueberblick von 1874–1925, mit besonderer Berücksichtigung der Jahre 1920–25. Zschr. Hyg., 1927, **107**: 543–62. ——— Die Bekämpfung der Geschlechtskrankheiten in der Kriegsmarine. Deut. Militärarzt, 1936, **1**: 329–37. Also Oeff. Gesundhdienst., 1936–37, **2**: B, 444–58. Also Spanish transl., Rev. méd. germ. iber. amer., 1937, **10**: 129–36.—**Smoljarov, I.** Nekotorye momenty borby s venerićeskimi zabolevanijami v Germanii. Voen. san. delo, 1929, No. 2, 104–7.—**Spinner, A.** Erfahrungen über Syphilis an einem grösseren Soldatenkrankengut. Med. Klin., Berl., 1944, **40**: 288–90.—**Stayer, M. C., & Brumfield, W. A.,** jr. Venereal disease control in the United States occupied zone of Germany. Mil. Surgeon, 1947, **100**: 375–81.—**Venereal** disease. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 11.—**Vereinbarung** über die den Seeleuten der Handelsmarine für die Behandlung von Geschlechtskrankheiten zu gewährenden Erleichterungen. Reichsgesundhbl., 1937, **12**: 249–51.

——— by countries: Great Britain.

Alderson, P. F. The incidence and prevention of venereal disease in the Royal Navy. J. State M., Lond., 1926, **34**: 525–36.—**Bettley, F. R.** Venereal disease control in East Africa Command. J. R. Army M. Corps, 1945, **85**: 109–16.—**Browne, J. C. H.** Venereal diseases in the Merchant Navy. Brit. M. J., 1943, **1**: 645.—**Buchanan, G. S.** Les progrès réalisés en Grande-Bretagne et dans l'Irlande du nord en vue de multiplier les facilités pour le traitement des marins atteints de maladies vénériennes. Bull. Off. internat. hyg. pub., Par., 1927, **19**: 60–73.—**Burke, E. T.** Venereal disease; its prevention and treatment on active service. Lancet, Lond., 1939, **2**: 1082–4.—**Campbell, D. J.** Venereal disease in the field; present policy and management in the British Army. In: Interallied Conf. War Med. (1942–45) 1947, 267–71.—**Critchley, M.** Social Medicine in a Middle East base. Med. Off., Lond., 1946, **75**: 173–6.—**Cummins, S. L.** Prevention of venereal disease in the Army. J. R. Army M. Corps, 1943, **81**: 35–7.—**Dudley, S.** The prevention of venereal disease in the Royal Navy. In: Interallied Conf. War Med. (1942–45) 1947, 251–4.—**Eames, J. W.** The treatment of venereal diseases in the British army, 1898–48. J. R. Army M. Corps, 1948, **90**: 282–305.—**Elder A. V.** Venereal disease in the mercantile marine. Med. Press & Circ., Lond., 1929, n. ser., **127**: 466–8.—**Erskine, D., & Lloyd, V. E.** Service cases of venereal disease on demobilization. Brit. M. J., 1942, **2**: 616.—**Fowler, T. H.** The treatment of syphilis in Macedonia on active service. Ibid., 1921, **1**: 930.—**H., L. W.** Civilian anti-venereal work in England and Wales in 1937, and some rates of incidence of venereal diseases in the Armed Forces at home and abroad in certain years. Brit. J. Vener. Dis., 1939, **15**: 57.—**Hanschell, H. M.** Venereal disease in the Merchant Navy. Brit. M. J., 1943, **1**: 803.—**Harrison, L. W.** Venereal diseases in the mercantile marine. Brit. J. Vener. Dis., 1930, **6**: 27–36. ——— Measures for the control of genitoinfectious diseases in England during the present war. Bull. Genitoinfect. Dis., 1942, **5**: No. 2, 1–4. ——— Anti-venereal measures in England and Wales immediately before and during the war. Pub. Health, Lond., 1942–43, **56**: 92.—**Ingram, P. C. P.** The treatment of venereal disease among seamen. Med. Press & Circ., Dubl., 1936, **192**: 145–7.—**McElligott, G. L. M.** Venereal disease in the field; present policy and management in the Royal Air Force. In: Interallied Conf. War Med. (1942–45) 1947, 271–3.—**McGiffin, R. H.** The treatment of syphilis on board ships. J. R. Nav. M. Serv., 1922, **8**: 143.—**Marshall, J.** Prevention of venereal disease in the British Army. In: Interallied Conf. War Med. (1942–45) 1947, 260–2.—**Matthews, S., & Beilby, F. G.** Some aspects of gonorrhea in the Navy. Brit. M. J., 1944, **2**: 787.—**Ogilvie, G.** Syphilis among British troops in Portugal, 1812, and in India, 1896. Brit. J. Derm., 1898, **10**: 232–51.—**Osmond, T. E.** Venereal disease in peace and war with some reminiscences of the last 40 years. Brit. J. Vener. Dis., 1949, **25**: 101–14.—**Perturbations** of a P. M. O. Q. Bull. Dir. Gen. M. Serv. Air. Min., Lond., 1948, 53–6.—**Pick, B. P.** The treatment of venereal disease in the Royal Navy. Med. Press & Circ., Dubl., 1935, **190**: 98–101.—**Power, P.** Jaundice occurring amongst British soldiers on the Rhine, who had received treatment with arsenobenzol compounds. J. R. Army M. Corps, 1923, **41**: 357–64.—**Shaw, T. B.** Observations on the incidence and prevention of venereal disease in the Royal Navy. J. State M., Lond., 1926, **34**: 154–68.—**Shaw-Mackenzie, J. A.** Syphilis in the army, 1812–1896; being a reply to mitigation and aggravation of syphilis. Ind. Lancet, 1899, **13**: 307; 353.—**Shiels, D.** War conditions and venereal disease; the recent Ministry circular. Med. Off., Lond., 1940, **63**: 159.—**Treatment** of venereal diseases in merchant seamen. Brit. J. Vener. Dis., 1943, **19**: 47.—**Venereal** disease. Med. Press & Circ.,

Lond., 1942, **208**: 309. Also Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1948, Mar., 5–7.—**Venereal** disease and regulation 33B. Brit. M. J., 1942, **2**: 770.—**Venereal** diseases and the war (Great Britain) J. Am. M. Ass., 1941, **117**: 1552.—**Venereal** diseases in war-time. Lancet, Lond., 1942, **2**: 21.—**Wheeler, S. J.** The management and treatment of early syphilis in H. M. ships. J. R. Nav. M. Serv., 1942, **28**: 351–6.—**Willcox, R. R.** Venereal disease and the West African in London. J. R. Army M. Corps, 1949, **92**: 168–72.

—— by countries: Greece.

Capanaris, P. The campaign against venereal disease in Greece and the organization of seamen's dispensaries. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 223–7.

—— by countries: Hawaii.

Allison, S. D. Venereal disease in wartime Hawaii. Am. J. Syph., 1947, **31**: 545–58.—**Blanchard, R. M.** Reduction of the venereal rate in the Hawaiian Department. Mil. Surgeon, 1929, **65**: 541–6.

—— by countries: Holland.

Beek, C. H. The influence of the war on skin and venereal diseases at the Hague. Dermatologica, Basel, 1946, **93**: 351–5.—**Bottema, C. W.** [Control of venereal diseases by the Navy] Ned. tschr. geneesk., 1932, **76**: 855–8.—**Dornickx, C. G. J., & Peeters, H.** De militair-hygiënische dienst tijdens de mobilisatie 1939–40. Geneesk. gids, 1941, **19**: 408; passim.—**Hermans, E. H.** [Control of venereal diseases in war-times] Ned. tschr. geneesk., 1940, **84**: 2848–50.—**Van der Veen, J.** De venerische ziekten in het leger. Ibid., 1948, **92**: 1134–41.

—— by countries: Hungary.

Kormos, A. [Fight against venereal diseases in regions where troops are concentrated] Népegészségügy, 1941, **22**: 1413–5.—**Krausz, S.** 26 Monate Salvarsanbehandlung auf der venerisch-syphilitischen Abteilung des Garnisonsspitals Nr. 21 in Temesvár. Militärarzt, Wien, 1913, **47**: 161–5.—**Pastinszky, I.** A honvédség háború alatti és utáni nemibeteg helyzete. Börgyógy. vener. szemle, 1947, **1**: 236.—**Simonyi, A.** A salvarsan-therapia katonai szempontból. Honvédorvos, 1911, **24**: 33–7.—**Takáts, L.** Vérbajkutatás a honvédség körében. Népegészségügy, 1944, **25**: 137.—**Veress, F.** [Syphilis in the Army] Gyógyászat, 1916, **56**: 292–4.

—— by countries: Iraq.

Kirk, C. Some experiences in the treatment of venereal disease among British troops in Iraq, October, 1941, to September, 1943. J. R. Army M. Corps, 1945, **85**: 58–67.

—— by countries: Israel.

Berlin, C., & Meyerowitz, K. Venereal diseases in Tel Aviv during the war. Harefuah, Tel Aviv, 1947, **33**: 1.

—— by countries: Italy.

Agostini, M. Aspetti dell'infezione luetica fra gli indigeni dell'Impero. Gior. med. mil., 1937, **85**: 838–53.—**Biagini, E.** Il movimento statistico della Clinica dermosifilopatica di Pisa nell'ultimo periodo bellico. Ann. ital. derm., 1946, **2**: 211–42.—**Clemente, M.** Le malattie venereo-sifilitiche nella Marina da guerra italiana dal 1873 al 1938 e ventisei anni di profilassi obbligatoria. Ann. med. nav., Roma, 1939, **45**: 111–47, 8 ch.—**Guzzi, M.** La scheda individuale per i militari sifilitici. Ibid., 321–5.—**Lisi, F.** Rilievi clinico-statistici sulle infezioni veneree osservate nel periodo 1940–45 presso la Clinica dermosifilopatica della Università di Perugia. Ann. ital. derm., 1946, **2**: 129–34, tab.—**Maderna, C.** Le infezioni sessuali nelle Provincie di Caserta, Avellino, Benevento (1940–41) Ibid., 183–97.—**Montesano, V.** Infezioni veneree fra i militari. Atti Soc. ital. derm. sif., 1941, **4**: 47–9.—**Murero, G.** Malattie veneree e forme dermoparassitarie durante il periodo bellico nella Provincia di Udine. Ann. ital. derm., 1946, **2**: 198.—**Peruccio, L., & Franchi, F.** Sulla terapia dell'ulcera venerea e delle sue complicanze in Cirenaica con un preparato piridin-sulfamidico (tioseptale) Gior. med. mil., 1941, **89**: 533–8.—**Ricciardi, L.** Osservazioni statistiche sulla diffusione di alcune malattie veneree e dermatosi parassitarie in Roma negli anni 1940–44. Ann. ital. derm., 1946, **2**: 153–60.—**Sabatini, C.** Considerazioni e proposte sui contagi venerei e sulla profilassi antivenerea nella marina. Ann. med. nav., Roma, 1947, **52**: 63–8.—**Scarpa, A.** Sull'indirizzo generale della cura antiluetica in rapporto al servizio militare. Gior. med. mil., 1933, **81**: 879–85.—**Sibirani, M.** Computo statistico sulle malattie sifilo-veneree osservate a Bologna nel quinquennio bellico 1941–45. Ann. ital. derm., 1946, **2**: 172–82.—**Sorge, M.** Diciotto mesi di servizio nel reparto dermoceltico; importanza e compiti del Capo reparto della Sala Celtica Ospitaliera. Ann. med. nav., Roma, 1938, **44**: 28–39.—**T., L.** Andamento della morbilità venereo-sifilitica e cutanea nel periodo bellico in Italia. Ann. ital. derm., 1946, **2**: 243–5.—**Tedeschi, N.** Profilassi e terapia delle malattie celtiche nel R. Esercito. Atti Soc. ital. derm. sif., 1941, **4**: 25–47.—**Tommasi, L.** Les résultats de la prophylaxie individuelle dans l'Armée et dans la Marine de guerre italiennes. Prophyl. antivénér., 1934, **6**: 168–82.—**Torchi, M.** Studio statistico delle malattie veneree negli ultimi sei anni. Ann. ital. derm., 1946, **2**: 200–10.—**Trifiletti, I.** Le malattie sessuali nell'ambiente militare (importanza, mezzi di lotta e risultati della profilassi anticeltica nel R. Esercito) Med. prat., Nap., 1927, **12**: 181–6.

—— by countries: Japan.

Hirota, S. Tateyama Kaigun Kōkū-tai ni okeru kako hakka-nenkan no seibyō tōkei [Statistics on sexual diseases during the past eight years in the Tateyama Naval Flying Corps] Kaigun gun ikai zassi, 1939, **28**: 196–206.—**Turumati, K.** Konzi sensō no hihu oyobi seibyōka sikkan ni oyobosita eikyō ni tuite [The effect of the recent war on skin diseases and on venereal diseases] Rinsyō hihu hinyōka, 1949, **3**: 25–7.

—— by countries: Jugoslavia.

[**Venereal** diseases in soldiers in Banat from May 26, 1792] Bibl. Centr. hig. zavoda, Beogr., 1937, No. 25, 127.—**Vesić, T.** [Venereal diseases in the Army and their prevention] Voj. san. glasnik, 1937, **8**: 45–60.

—— by countries: Mexico.

Arias, O. Campaña antivenérea en el Ejército mexicano. Sugestiones, Méx., 1945–46, **11**: No. 129, 165–8.—**Capetillo, O. A.** El problema de las enfermedades venéreas en el Ejército mexicano. Torreón méd., 1948, **3**: 31–42.—**Cuarón, A.** Profilaxis sobre las enfermedades venéreas en el Ejército mexicano. Mem. Congr. méd. nac. mex., 1910, 4. Congr., 466–72.—**Montemayor Galindo, R.** Profilaxis de las enfermedades venéreas en el Ejército nacional. Sugestiones, Méx., 1943–45, **9**: No. 115, 159–63.—**Soto, J. L.** Las enfermedades venéreas en tiempo de guerra. Bol. Dep. salub. púb., Méx., 1943, **6**: 221–31. ——— A program for the prevention of venereal diseases in the Mexican Army. Mil. Surgeon, 1943, **92**: 504–6. ——— Las enfermedades venéreas en el Ejército; su prevención. Rev. Esc. méd. mil., Méx., 1943, **2**: No. 8, 13–8.

—— by countries: Morocco.

Baron. Les maladies vénériennes à la Marine au Maroc et à Casablanca. Arch. méd. pharm. nav., 1936, **126**: 845–54.

—— by countries: New Zealand.

Begg, N. C. A New Zealand mobile V. D. treatment centre. J. R. Army M. Corps, 1944, **83**: 284.

—— by countries: North Africa.

Venereal disease in North Africa. Health (U. S. War Dep. Surg. Gen. Off.) 1944, Mar., 7–9.

—— by countries: Norway.

Grette, K. Kjønnssykdommer i den første tysklansbrigade. Tskr. Norske laegeforen., 1948, **68**: 105.—**Haxthausen, H., Lersey** [et al.] Krigstid og Kønnssygdomme. Nord. med., 1946, **30**: 1184.—**Kvittingen, J., & Henriksen, S. D.** Hyppigheten av ikke erkjent, seropositiv syfilis hos rekrutter. Nord. hyg. tskr., 1949, 318–26. ——— Om verdien av scrologisk syfiliskontroll av soldater ved dimissjon. Ibid., 327–33.—**Strøm, A., & Grette, K.** Kjønnssykdommene i forsvaret. Nord. med., 1948, **37**: 522–5.

—— by countries: Paraguay.

Angel Morasi. Profilaxis venérea. Rev. san. mil., Asunción, 1937–38, **10**: 861.

—— by countries: Peru.

Alarco, G. Programa general para la lucha antivenérea. Rev. san. mil., Lima, 1928, **1**: 56–61.—**Schreiber, L. A.** Anti-venereal campaign in the Army of Peru. Mil. Surgeon, 1928, **63**: 22–30.

—— by countries: Poland.

Geisler, J. Krótkie sprawozdanie z działalności szpitala wojsk; dla prostytutek i ambulatorjum wenerycznego w Brześciu n.-B. Lck. wojsk., 1921, **2**: 234–6.—**Krzemicki, L.** Zwalczanie chorób wenerycznych w armji. Ibid., 1005–17.—**Plónski, K.** Zagadnienie związane ze zwalczaniem chorób wenerycznych w wojsku polskiin i w armii oraz marynarce Stanow Zjednoczonych Ameryki Pólnocnej. Ibid., 1948, **24**: 66–77.—**Ryll-Nardzewski, C.** [Prevention of venereal diseases in the Polish Army] Ibid., 1935, **25**: 234–43. ——— [Organization and importance of early treatment of syphilis in the Army] Ibid., 1938, **32**: 602–9.—**Szumski, J.** Stan chorób wenerycznych w oddzialach garnizonu warszawskiego i rola lekarza w walce z niemi. Ibid., 1930, **15**: 182–202.—**Szymański.** O szerzeniu się chorób wenerycznych w wojsku i ich zwalczanie. Ibid., 1921, **2**: 713.—**Tchórznicki, R.** [Combating venereal diseases in the Polish Army] Ibid., 1937, **30**: 304–9.

—— by countries: Portugal.

Faro, E. Profilaxia das doenças venéreas na marinha da guerra. Med. contemp., Lisb., 1934, **52**: 24–6.—**Luta** (A) antivenérea no Exército. J. méd., Pôrto, 1949, **13**: 48–52.—**Oliveira Zúquet, A. de.** O problema da profilaxia das doenças

venéreas no Exército. Bol. Dir. serv. saúde mil., 1939, 365–85.—**Saavedra, J. de.** Prophylaxie des maladies vénériennes à l'Armée portugaise. Bull. internat. Serv. santé, Liége, 1937, **10:** 309–14.

—— by countries: Puerto Rico.

Chaves-Estrada, J. The venereal disease control program in the Army in Puerto Rico. Puerto Rico Health Bull., 1943, **7:** 151–5.—**Quintero, E.** News from the Bureau of Venereal Diseases; intensification in the venereal disease control work while Armed Forces are encamped near Salinas. Ibid., 1942, **6:** 162. ——— Preliminary report on local venereal diseases relative to the Puerto Rico encamped military forces. Bol. As. méd. Puerto Rico, 1943, **35:** 180–8. ——— En torno a ciertos aspectos en el programa de control de las enfermedades venereas en relación con el esfuerzo de guerra. Ibid., 392–6.

—— by countries: Romania.

Iliescu, C., & Ivancea, G. Considerațiuni asupra favusului tratat in ultimii zece ani in Serviciul dermato-sifilitic din Spitalul militar Regina Elisabeta. Rev. san. mil., Bucur., 1936, **35:** 768–75.—**Longhin, S.** [Venereal diseases in the Army] In: Probl. san. pop. rurale România, Bucur., 1940, 724–9.

—— by countries: Russia.

Baršev, N. N. [Means of prevention of venereal diseases in the Red Army] Vener. derm., Moskva, 1929, **6:** No. 12, 69–74.—**Evseev, A. A.** Venerizm i vojna. Voen. med. J., Moskva, 1932, **3:** 150–4.—**Komarov, M. V.** [Fighting venereal diseases in the Red Army] Ibid., 60–5.—**Mgebrov, M. G.** K voprosu ob organizacii borby s venboleznjami vo vremja vojny. Ibid., 280–7.—**Okunj, I. M.** [Rôle of transportation of soldiers and furloughs in spreading venereal diseases among the population of Russia, and means of prevention] Vener. derm., Moskva, 1929, **6:** No. 12, 74–8.—**Weissenberg, S.** Die Verbreitung der venerischen Krankheiten in der Ukraine vor und nach dem Kriege. Zschr. Sexwiss., 1926–27, **13:** 137.

—— by countries: Spain.

Cordero Soroa, A. La lucha contra las enfermedades venéreas en el Ejército. Med. ibera, 1930, **26:** 553–6. Also Rev. san. mil., Madr., 1931, **21:** 291; 323.—**Martínez Torres, F.** Comentarios a una estadística. Actas derm. sif., Madr., 1940–41, **32:** 328–33.—**Pons Serena, J.** Datos estadísticos y consideraciones sobre el estado actual de la endemia venérea en el Ejército. Rev. españ. med. cir. guerra, 1942, Año 5, 484–7.—**Sánchez Cosido, J.** Lucha antivenérea en el Ejército. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2:** 241–5.

—— by countries: Switzerland.

Bekämpfung und Behandlung der Geschlechtskrankheiten in der Armee. Vjschr. schweiz. Sanitätsoff., 1949, **26:** 189–92.—**Prophylaxie** et traitement des équipages de la flotte maritime suisse. Bull. Eidg. Gesundhamt., 1944, 91.—**Ramel, E.** Des instructions préventives contre les maladies vénériennes dans l'armée suisse. Deliber. Congr. derm. internat. (1935) 1935–37, 9. Congr., **3:** 355–9.—**Schuppli, R.** Kriegs- und Nachkriegszeit im Spiegel der Dermatologie und Venereologie. Praxis, Bern, 1946, **35:** 519–25.

—— by countries: Turkey.

Kemal Arican [Treatment and prophylaxis of venereal diseases in the Army] Askerî sihhiye mecmuasi, 1939, **68:** No. 26, 79–89

—— by countries: United States.

Bachmann, R. A. Venereal prophylaxis in the Army and Navy, a critical estimate. J. Am. Inst. Homeop., 1943, **36:** 377–84.—**Burgess, W.** The venereal peril in the American Army and Navy. In his World Social Evil, Chic., 1914, 173–97.—**Clarke, W.** The lowest venereal disease rate in wartime history; a report of 1942 activities to the friends of the American Social Hygiene Association. J. Social Hyg., 1943, **29:** 185–9.—**Cohart, E. M., & Hedley, O. F.** The physician and the control of gonorrhea in the Armed Forces. J. Maine M. Ass., 1944, **35:** 210, &c.—**Devine, J. M.** Social hygiene at the Universal Military Training Experimental Unit. J. Social Hyg., 1948, **34:** 195–200.—**Fleming, W. L.** The venereal disease problem in the United States in World War II. J. Elisha Mitchell Sc. Soc., 1945, **61:** 195–200.—**Gordon, J. E.** Prevalence and incidence of the venereal diseases. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 5, 28.—**Howard, E. B., Vahey, V. V.** [et al.] The epidemiologic investigation of syphilis and gonorrhea in the Army and Navy in Massachusetts. Bull. Genitoinfect. Dis., 1943, **6:** No. 2, 1–5. Also Vener. Dis. Inform., 1943, **24:** 1–6.—**Larimore.** [Control of venereal disease among colored troops] Proc. Conf. Prev. M. Off., Balt., 1945, 148–51.—**McCannel, D. A.** Venereal disease control in the Armed Services. Med. Rec., Houston, 1943, **37:** 668–71.—**McMurdo, H. B.** The May Act; inception and early operation. Mil. Surgeon, 1943, **92:** 185–8.—**Noyes, E. A.** Venereal disease in the European Command. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, **4:** No. 2, 1–4. ——— Venereal disease; progress report. Ibid., No. 4, 14–6.—**Padget, P., & Rademacher, C. J.** Prevention of venereal disease in the American services. In: Inter-allied Conf. War Med. (1942–45) 1947, 255–9.—**Rosenthal, T.** Venereal disease in wartime. Am. J. Nurs., 1944, **44:** 104–6.—**Ruhland, G. C., Gillick, F. G., & Chinn, B. D.** The possibility of predicting the future needs in venereal disease control; a study of the effects of mobilization on the case load in District of Columbia clinics. J. Vener. Dis. Inform., 1945, **26:** 222–9.—**Spingarn, A. B.** The war and venereal diseases among negroes. Social Hyg., 1918, **4:** 333–46.—**Stewart, A. M.** Seamen with venereal diseases in the Port of New York. Pub. Health Rep., Wash., 1930, **45:** 778–808, 2 pl.—**Venereal** disease. Month. Health Rep. Mil. Distr. Washington, 1948, **1:** No. 5, 3; 1949, **2:** 3.—**Venereal** disease rate in United States. Bull. U. S. Army M. Dep., 1945, No. 86, 33.—**Venereal** epidemic vs food and drug bureaucracy and Office of Scientific Research and Development red tape; a story of war sabotage and betrayal by governmental agencies. Science Bull., 1943, **1:** 8–10.—**Wolbarst, A. L.** A plan for the prevention of venereal disease in our military forces. Med. Rec., N. Y., 1917, **91:** 725–7.

—— by countries: United States: Air Force.

Army Air Forces venereal disease policy. Air Surgeon Bull., 1944, **1:** No. 2, 17.—**Benford, R. J., & Holmes, E. M., jr.** The influence of diagnostic methods on the gonorrhea rage in the Army Air Forces; experience of the troop carrier command in prediagnostic culture of the gonococcus. Urol. Cut. Rev., 1946, **50:** 133–6.—**Dyar, R., & Scholtz, J. R.** Venereal disease and flying personnel. J. Indiana M. Ass., 1944, **37:** 435–8. ——— Venereal disease in the Army Air Forces in the continental United States, 1942–44. Am. J. Syph., 1946, **30:** 99–109.—**Hollister, A. C., jr.** Some observations on venereal disease control in a strategic Air Force. Med. Bull. Medit. Theater U. S., 1945, **3:** 58–60.—**Holmes, E. M., jr, & Chesney, L.** Analysis of venereal disease contact histories received in Army Air Forces, Central Flying Training Command. Vener. Dis. Inform., 1945, **26:** 5–8.—**Larimore, G. W.** The venereal disease problem from the Air Corps standpoint. J. M. Ass. Alabama, 1943–44, **13:** 100–2.—**LeVan, P.** Venereal disease control in the Western Flying Training Command. Air Surgeon Bull., 1945, **2:** 50–3.

—— by countries: United States: Army.

See also subheading (Recruits)

Siler, J. F. The prevention and control of venereal diseases in the Army of the United States of America. 238p. 23cm. Carlisle Barracks, 1943.

Forms No. 67, Army M. Bull., 1943.

—— Statistical review of the prevalence of venereal diseases in the Army. p. 6–64. 23cm. Carlisle Barracks, 1943.

Army M. Bull., 1943, No. 67.

—— Review and discussion of preventive measures initiated within the Army, in years past, for the prevention of venereal diseases. p. 65–238. 23cm. Carlisle Barracks, 1943.

Army M. Bull., 1943, No. 67.

United States. Army. Surgeon-General's Office. Medical Statistics Division. Incidence of the venereal diseases in U. S. Army troops, January 1940–June 1947; preliminary data based on periodic summary reports. 16 l. 20½cm. Wash., 1947.

United States. Army. XXIV Corps. Office of the Surgeon. Monthly venereal diseases report [n. p.] July 1947–

United States. Army. Venereal Disease Control Council. Summary of venereal disease information. Wash., No. 1, 1948—

Altshuler, L. N. U. S. War Department venereal disease control program. J. Social Hyg., 1947, **33:** 259–71.—**Ashburn, P. M.** Statistics of venereal disease in the Army of the United States in 1918. Mil. Surgeon, 1920, **46:** 331–5.—**Bayne, J. K. V. D.** Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1:** No. 1, 13–6.—**Bernd, L. H.** Venereal diseases in the Army. Tr. Alumnae Ass. Woman's M. Coll. Pennsylvania, 1919, **44:** 87–91.—**Bisher, W.** Venereal disease control as applied to the Army. N. York State J. M., 1943, **43:** 1832–5.—**Campbell, G., & Carpenter, G. R.** The treatment of acute gonorrhea in the Army. Am. J. Syph., 1944, **28:** 406–12.—**Carpenter, R. J.** Diagnosis and treatment of gonorrhea. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 129, 1.—**Carroll, G. J.** Management of venereal disease cases in the First Army area. Bull. U. S. Army M. Dep., 1948, **8:** 469–72. ——— Venereal disease control in the First Army area. J. Social Hyg., 1948, **34:** 201–4.—**Carter, M. A.** Nomogram used for hurried calculation of venereal disease rate. In: Prev. Med. in World War II, Wash., 1948, **7:** 19, 2 ch.—**Crawford-Jones, C.** Some aspects of the prevention and treatment of venereal diseases in the Army, with special reference to gonorrhoea. J. R. Army M. Corps, 1937,

68: 175–81.—**Davis, D. M.** A campalgn against venereal disease in the Army of occupatlon. J. Am. M. Ass., 1920, 74: 223–6.—**Diagnosis** and treatment of the venereal diseases; Circular Letter No. 74, Office of the Surgeon General, U. S. Army. Army M. Bull., 1942, No. 64, 188–208.—**Fit** to fight and fit for life; a brief review of the social hyglene actlvities of the Unlted States Army. J. Social Hyg., 1942, 28: 4–21.—**Gonorrhea**-to-syphilis ratio. Health U. S. Army, 1948, 3: 3–6.—**Gray, G. A.** Venereal disease control in Camp Bowie. Texas J. M., 1945–46, 41: 213–5.—**Guy, W. H.** The treatment of syphilis at Camp Travis. J. Cutan. Dis., 1918, 36: 441–5.—**Hendricks, C. S., & Winebrenner, J. D.** Some aspects of venereal dlsease control in the Army. Mil. Surgeon, 1944, 95: 121–9.—**Hitchens, A. P.** How the Army protects soldiers from syphilis and gonorrhea. J. Social Hyg., 1941, 27: 103–12.—**Howard, E. B.** Gonorrhea from the standpoint of the Army. Am. J. Syph., 1943, 27: 607–15.—**Hume, E. E.** The prevention of syphilis in the United States Army. Urol. Cut. Rev., 1939, 43: 5–11. ——— The Army and venereal disease control. Med. Rec., N. Y., 1943, 156: 25–7.—**Incidence** (The) of venereal disease at tralning and other statlons in the United States. Health U. S. Army, 1948, 3: No. 10, 2–8.—**Increase** in venereal disease in Army. J. Am. M. Ass., 1942, 118: 824.—**Investigación** de las enfermedades venéreas en la Armada de los Estados Unidos. Bol. Of. san. panamer., 1926, 5: 94–112.—**Jackson, J. H.** Army's social disease problem laid at door of civilians. California West. M., 1941, 55: 330.—**Johnson, B., jr.** Morbilidad venérea en el Ejército de los Estados Unidos dentro del area El Paso, Texas-Ciudad Juárez, Chih. Inform. enferm. venér., Wash., 1944, Jan. No., 3–16.—**Lewis, R. R.** A brief outline of the present day diagnosis and treatment of venereal diseases in the Army. Caduceus, Hong Kong, 1927, 6: 6–24.—**Lorenz, W. F., & Bleckwenn, W. J.** Syphilis and mobilization. Mil. Surgeon, 1939, 85: 197–210.—**Magid, M. A.** Gonorrhea at the station hospital, Camp Bowie, Texas; a statistical report. J. Am. M. Ass., 1942, 119: 405–7.—**Medical** prophylactic platoons. In: Prev. Med. in World War II, Wash., 1948, 3: 48–50.—**Michie, H. C.** The venereal diseases; United States Army; has legislation accomplished the desired results? Mil. Surgeon, 1939, 84: 146–61.—**Monthly** (A) cycle in the reported venereal disease incidence rate in the United States. Health U. S. Army, 1949, 4: No. 6, 4–8.—**Morgan, H. J.** Treatment of gonorrhea and syphilis in the United States Army. Mil. Surgeon, 1945, 96: 127–31.—**Norris, E. W., Doyle, A. F.** [et al.] Venereal disease epidemiology in the Army Third Service Command; progress report for period July through December 1943. Vener. Dis. Inform., 1944, 25: 297–300.—**Norris, E. W., Doyle, A. F., & Iskrant, A. P.** Venereal disease epidemiology, Third Service Command; an analysis of 4,641 contact reports. Am. J. Pub. Health, 1943, 33: 1065–72. ——— Progress report for period January through June 1943. Vener. Dis. Inform., 1943, 24: 283–9.—**Pappas, J. P.** The venereal disease problem in the United States Army; an outline of its history, legislation, and points of attack, with a summary of the current methods of control. Mil. Surgeon, 1943, 93: 172–83.—**Recent** (The) incidence of venereal disease. Health U. S. Army, 1949, 4: No. 6, 8–10.—**Records** for 13 years of venereal diseases in the Army; enlisted men in the United States; admission rates for the decade 1907–1916 and for the years 1917, 1918 and 1919, ratio per 1,000 [tab.] Rep. U. S. Interdep. Social Hyg. Bd, 1920, 93.—**Relation** (The) between scabies and venereal disease incidence rates in Europe. Health U. S. Army, 1947, 2: No. 7, 9–11.—**Rogers, J. A.** Duty status treatment of gonorrhea. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 32, 1–3.—**Ross, C. F., & DeFoe, W. A.** Syphilis at the U. S. Army Base Hospital, Camp Greene, Charlotte, N. C. Virginia M. Month., 1919–20, 46: 57–61.—**Snow, W. F.** Social diseases in the Army as affected by the soldiers' environment. J. Am. M. Ass., 1917, 69: 1537. ——— Control of venereal diseases of the United States Army Washington M. Ann., 1918, 17: 254.—**Souder, C. G.** The health of the Army and problems in social hygiene. In: Addresses Southeast Reg. Conf. Social Hyg., 1943, 2–10, 2 ch.—**Spirochaete** sabotage. Week. Bull. Oregon Bd Health, 1941, 19: No. 12, 1–4.—**Stayer, M. C.** The national campaign for venereal disease control in wartime; the Army's campaign. J. Social Hyg., 1944, 30: 174–80.—**Sternberg, T. H., & Howard, E. B.** Current Army venereal disease rates. Ibid., 1945, 31: 530–3.—**Sternberg, T. H., & Larimore.** L'apport de l'Armée à la lutte antivénérienne aux Etats-Unis après guerre. Prophyl. antivénér., 1946, 18: 372–5.—**Tratamiento** de las afecciones venéreas en el Ejército de Estados Unidos. Bol. Of. san. panamer., 1942, 21: 555–63.—**Treatment** (The) of syphilis by unit medical officers; Circular Letter No. 105, Office of the Surgeon General, U. S. Army. Army M. Bull., 1942, No. 64, 209–11.—**Turner, T. B., & Brumfield, W. A., jr.** The control of venereal disease in the Army. Am. J. Syph., 1944, 28: 133–41.—**Turner, T. B., & Sternberg, T. H.** Management of the venereal diseases in the Army. J. Am. M. Ass., 1944, 124: 133–7.—**UMT** Experimental Unit VD rates. Med. Bull. U. S. First Army, 1948, 3: No. 4, 13.—**Vaughan, W. W.** Control of venereal disease in the United States Army. Mil. Surgeon, 1938, 83: 208–27. Also Deut. Militärarzt, 1940, 5: 507 (Abstr.)—**Venereal** disease. Health U. S. Army, 1947, 2: No. 3, 2; 1948, 3: No. 2, 10; 1949, 4: 5; passim. Also Month. Health Rep. Mil. Distr. Washington, 1949, 2: No. 11, 3.—**Venereal** disease among U. S. warriors largely a problem for overseas. Med. World, N. Y., 1946, 64: 443.—**Venereal** disease, continental U. S. Health (U. S. War Dep. Surg. Gen. Off.) 1944, Mar., 6.—**Venereal** disease control program for Negro troops. Vener. Dis. Bull., Randolph Field, 1943, No. 11, 1–7.—**Venereal** disease questionnaire. In: Prev. Med. in World War II, Wash., 1948, 11: pt 2, Chapt. 13, Exh. A, 1–5.—**Venereal** disease rates overseas. Bull. U. S. Army M. Dep., 1944, No. 83, 16–8.—**Venereal** diseases. Health Bull. (U. S. 2. Army) 1947, Nov., 5; 1948, Apr., 6. Also In: Prev. Med. in World War II, Wash., 1948, 8: 202–5, ch.—**Venereal** diseases in the Army, number and rates of admission of enlisted men in the United States, fiscal year 1919–20 [tab.] Rep. U. S. Interdep. Social Hyg. Bd, 1920, 95.—**Young, H. H.** The venereal disease problem in the A. E. F. Mil. Surgeon, 1936, 78: 1–22.

—— by countries: United States: Navy.

CARTER, T. J. New patterns in venereal disease control, as seen by the Navy medical officer. 12p. 23cm. N. Y., 1943.

Forms No. A–497, Pub. Am. Social Hyg. Ass. Also in J. Social Hyg., 1943, 29: No. 4.

RIGGS, C. E. A study of venereal prophylaxis in the Navy. 16p. 23cm. N. Y., 1917.

Forms Pub. No. 100, Am. Social Hyg. Ass. Also J. Social Hyg., 1917, 3: 299–312.

Aydelotte, J. T. A splendid job of prevention and control. U. S. Nav. M. Bull., 1932, 30: 230.—**Babione, R. W.** Ratio of gonorrhea to syphilis as occurring in the United States Navy. Am. J. Syph., 1949, 33: 243–62.—**Best** traditions of the service; the United States Navy and social hygiene. J. Social Hyg., 1942, 28: 22–9, 4 pl.—**Bibler, L. D., & Goley, W. H.** Incidence of venereal disease in separatees examined at the U. S. Naval Personnel Separation Center, Jacksonville, Fla. U. S. Nav. M. Bull., 1947, 47: 207.—**Brown, E. W.** The Navy and social hygiene in national defense. War Med., Chic., 1941, 1: 511–9.—**Cook, S. S.** Venereal diseases, United States Navy, 1900–33 [the Division of Preventive Medicine] U. S. Nav. M. Bull., 1935, 33: 405–12.—**Cottle, G. F.** The syphilis record. Ibid., 1917, 11: 21–8. ——— Concerning syphilis; a letter from a United States fleet medical officer. California West. M., 1937, 46: 344.—**Durieux.** Prophylaxie et traitement rapide des maladies vénériennes dans la Marine américaine. Bull. Soc. méd. mil. fr., 1945, 39: 186–90.—**Ekblad, G. H.** A study of early syphilis and results of treatment in the United States Navy. War Med., Chic., 1944, 5: 226–31. ——— Syphilis in the Navy. U. S. Nav. M. Bull., 1939, 37: 217–36.—**Ennes, H.** The venereal disease education process in the U. S. Navy; a note on the chart. J. Social Hyg., 1944, 30: 40–2, ch.—**Fauntleroy, A. M.** Systematic recording and treatment of syphilis, the advisability of a separate abstract in the health record and of standard treatment for syphilis. U. S. Nav. M. Bull., 1914, 8: 620–4.—**Freedman, L. Z.** Venereal disease among naval prisoners. Ibid., 1948, 48: 722–8.—**Gonorrhea** and chancroid, sulfonamide prophylaxis of [Form Letter] Bumed News Lett., Wash., 1944, 4: No. 12, 32.—**Jacobs, R., Nutting, C. E.** [et al.] Report of board appointed by the Secretary of the Navy to study the venereal disease problems of the Navy. J. Social Hyg., 1926, 12: 74–114.—**Jones, P.** The treatment of venereal disease in a submarine depot ship. J. R. Nav. M. Serv., 1942, 28: 192–7.—**King, W. W.** Venereal disease among Coast Guard enlisted personnel during the fiscal year 1929; 1930. Pub. Health Rep., Wash., 1930, 45: 2979; 1931, 46: 1360.—**Lang, F. R.** What the Navy is doing to protect its personnel against venereal disease. Am. J. Pub. Health, 1941, 31: 1032–9 ——— A ten-year study of gonorrhea in the United States Navy. U. S. Nav. M. Bull., 1942, 40: 225; 480; 745.—**McIntire, R. T.** The Navy social hygiene program in action. J. Social Hyg., 1942, 28: 127–34.—**Mast, G. W.** Venereal disease control in the United States Navy. Ibid., 1947, 33: 272–8.—**Meihorn, K. C.** The trend of venereal disease in the United States fleet. U. S. Nav. M. Bull., 1937, 35: 1–8, 3 pl.—**Navy** (The) provides social protection for servicemen in Japan. J. Social Hyg., 1946, 32: 82–9.—**Newton, H. D.** The problem of syphilis as handled in the U. S. Navy. California West. M., 1944, 61: 149.—**Parsons, R. P.** Syphilis in the Navy. U. S. Nav. M. Bull., 1934, 32: 381–91.—**Prehn, D. T.** A study of syphilis in the Navy. Ibid., 1937, 35: 450–60. Also Deut. Militärarzt, 1940, 5: 509 (Abstr.)—**Ray, J. P.** Incidence of venereal disease; geographic distribution of infection. Hosp. Corps. Q., 1949, 22: 13.—**Riggs, C. E.** The prevention of venereal disease at the Naval Training Station, Norfolk, Va. U. S. Nav. M. Bull., 1917, 11: 1–15. **Rossiter, P. S.** The United States Navy's interest in social hygiene. J. Social Hyg., 1938, 24: 129–33.—**Schwartz, W. H.** Venereal disease control in the U. S. Navy; a current appraisal, with a comparative look at history and the future. Ibid., 1945, 31: 34–43.—**Setterstrom, C. A.** Development of venereal prophylaxis in the United States Navy. U. S. Nav. M. Bull., 1926, 24: 31–42.—**Shay, G. G.** Syphilis patients in a Marine hospital. J. Social Hyg., 1943, 29: 444–6.—**Sheldon, L., jr.** [Venereal disease in the Navy] In: Vener. Dis. &c. (U. S. Fed. State War Conf. Social Protect.) Trenton, 1943, 1. Conf., 16–8.—**Shifrin, L. A.** Venereal diseases, a Navy problem. N. York State J. M., 1943, 43: 1829–32.—**Shilling, C. W., & Duff, I. F.** Venereal disease. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 131–4.—**Shipley, J. L.** Venereal disease; incidence on U. S. S. Raleigh. U. S. Nav. M. Bull., 1939, 37: 198–205.—**Stephenson, C. S.** Relationship of the health of civilians to efficiency of the Navy, with special reference to the venereal disease problem. Am. J. Pub. Health, 1940, 30: 1291–6. ——— & **Lang,**

F. R. Some epidemiologic aspects of gonorrhea in the United States Navy. Am. J. Syph., 1942, **26**: 584–97.—**Stephenson, C. S., & Mast, G. W.** Venereal disease education in the U. S. Navy. J. Social Hyg., 1944, **30**: 29–39. ——— **& Reynolds, F. W.** Gonorrhea from the standpoint of the Navy. Am. J. Syph., 1943, **27**: 393–402.—**Stockholm, C. G.** Responsibility of the Shore Patrol. J. Social Hyg., 1943, **29**: 286–9.—**Surber, A. C.,** jr. The venereal-disease problem in the United States; civilian and military methods of prevention and control, with a comparative statistical résumé of venereal incidence in the South China patrol for 1929 and 1930. U. S. Nav. M. Bull., 1932, **30**: 433–46.—**Swan, C. S.** Observations on the ambulatory treatment of gonorrhea, Naval Air Station, Quonset Point, R. I., April 1, 1942 to April 1, 1943. Ibid., 1944, **42**: 485–9.—**Treatment** of venereal diseases aboard submarines [form letter] Bumed News Lett., Wash., 1943, **1**: No. 2, 17.—**Venereal** disease drops to new low [in Navy] J. Am. M. Ass., 1943, **121**: 1358.—**Venereal** diseases in the Navy, number and rates of admission for the entire Navy, fiscal year 1919–20 [tab.] Rep. U. S. Interdep. Social Hyg. Bd, 1920, 95.—**Youngkin, C. K.** Venereal disease education in the Navy; a questionnaire study with comment and suggestion for improvement. U. S. Nav. M. Bull., 1941, **39**: 535–43.

—— by countries: West Indies.

Geoghegan, B. Venereal disease in the West Indies. J. R. Nav. M. Serv., 1949, **35**: 94–6.—**Venereal** disease [in Antilles] In: Prev. Med. in World War II, Wash., 1948, **7**: 1–28. 2 ch.

—— in wartime.

Houston, J. M. Venereal diseases and the war. 2p. 29cm. Wash., 1942.

Brown, E. Venereal disease in wartime. Cambridge Univ. M. Soc. Mag., 1942–43, **20**: 35–7.—**Clarke, W.** Venereal diseases during the war. Arch. Derm. Syph., Chic., 1943, **47**: 699. ——— Social hygiene in the war. Rocky Mountain M. J., 1943, **40**: 591–5.—**Galewsky.** Die Bedeutung der Geschlechtskrankheit im Kriege. Münch. med. Wschr., 1915, **62**: 751.—**Hart, W. L.** Social hygiene in war and peace. Hygeia. Chic., 1943, **21**: 488. Also J. Social Hyg., 1943, **29**: 220–4.—**Heller, J. R.,** jr. Venereal disease epidemiology in wartime. Am. J. Pub. Health, 1945, **35**: 1210-6.—**Markowitz, I.** Venereal diseases in war time. Hudson Co. Health Rec., 1942, **9**: No. 8, 3–6.—**Parran, T.** [Disease slows up war production] In: Vener. Dis. &c. (U. S. Fed. State War Conf. Social Protect.) Trenton, 1943, 1. Conf., 18–20.—**Schubert, M.** Die Geschlechtskrankheiten im Kriege. Klin. Wschr., 1940, **19**: 1071. Also Med. Klin., Berl., 1940, **36**: 1233 Also Med. Welt, 1940, **14**: 1037–40. Also Münch. med. Wschr., 1940, **87**: 1014.—**Sequeria, J. H.** Venereal disease in the great war and after. East Afr. M. J., 1939–40, **16**: 324–40.—**Social** hygiene and war emergency. Med. Rec., N. Y., 1942, **155**: No. 2, 8.— **Social** hygiene in war time. Brit. M. J., 1939, **2**: 774.—**Talbot, H. P.** Venereal disease and war. Connecticut Health Bull., 1942, **56**: 144–8. ——— The problem of syphilis and gonorrhea in wartime; a challenge to the medical profession. Connecticut M. J., 1942, **6**: 955–7.—**Trautmann, M.** War and the venereal diseases. Wisconsin Bd Health Q. Bull., 1942, **7**: No. 3, 7.—**Turner, T. B.** Social hygiene problems in wartime. J. Iowa M. Soc., 1943, **33**: 310–2. Also Philadelphia M., 1942–43, **38**: 1335–9.—**Venereal** disease in peace and in war. Urol. Cut. Rev., 1942, **46**: 271.—**Venereal** (The) disease problem in war. J. Am. M. Ass., 1942, **118**: 1370.—**Venereal** disease in war-time. Med. Off., Lond., 1940, **64**: 148.—**Vonderlehr, R. A.** The impact of the war on the venereal-disease problem. N. England J. M., 1942, **227**: 203–5.—**War** and venereal diseases. Med. Rec., N. Y., 1942, **155**: 38.—**Weber, F. J.** Venereal disease in war time. Michigan Pub. Health, 1942, **30**: 223.

VENEREAL disease control officer.

See also **Venereal disease,** Control services.

United States. Air Force. Central Flying Training Command. Office of the Surgeon. Outline of venereal disease control procedures for non-commissioned venereal disease control officers. 37p. 27cm. Randolph Field, 1943 [?]

Adams, E. S. Venereal disease control officers. Army M. Bull., 1942, No. 61, 165.—**Army** venereal disease control officer assignments. J. Social Hyg., 1942, **28**: 487.—**He** battles sin; breaking down bedroom doors becomes a habit with the venereal disease control officer. War Doctor, 1943–44, **2**: No. 3, 7.—**Nonmedical** venereal disease control officers. J. Am. M. Ass., 1945, **127**: 465.—**Recommendations** of Navy Venereal Disease Control Officers. Am. J. Syph., 1943, **27**: 105–7.—**Shronts, J. F.** Conference of venereal disease control officers. U. S. Nav. M. Bull., 1943, **41**: 593–6.—**United States** Army Venereal Disease Control Officers. J. Social Hyg., 1943, **29**: 241.—**Venereal** disease control officers. Illinois M. J., 1942, **81**: 265. Also J. Am. M. Ass., 1942, **118**: 824. Also Mil. Surgeon, 1942, **90**: 587.

VENEREAL prophylactic kit.

See also **Venereal disease,** Prevention: Measures.

Davis, C. H. Venereal prophylactic kits. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 2, 5.—**New** chemical prophylactic kit. Bull. U. S. Army M. Dep., 1944, No. 76, 25.—**Pelzman, I. A., & Still, J. W.** Packet type of kit for venereal disease prophylaxis; preliminary report concerning its use. War Med., Chic., 1943, **3**: 474–6.—**West, J. W.** Packet system of sterilization. J. R. Army M. Corps, 1934, **62**: 313–7.—**Zertuche Rodríguez, A.** Formación del paquete sanitario profiláctico y lucha antivenérea en el Ejército. Mem. Convenc. méd. mil. mex., 1936, 150–3.

VENEREOLOGY.

See also **Dermatology; Venereal disease.**

Venereal disease bulletin. Randolph Field No. 1, 1942–

Cappelli, J. Spunti di venereologia, di sifilologia c dl dermatologia del tempo di guerra. Sperimentale, 1947, **98**: 560.—**Cohen-Hadria.** Notes sur la dermato-vénéréologie de guerre. Rev. Corps san. mil., Par., 1947, **3**: 137–49.—**Vicuña M., H.** Informaciones sobre urología y venéreas. Rev. san. nav., Valparaíso, 1939, **9**: 106–25.—**Zoon, J. J.** De huid- en geslachtsziekten in oorlogstijd. In: Med. ervar. in Nederland (1940–45) Groning., 1947, 467–82.

—— Congresses and committees.

Southeastern Regional Conference on Social Hygiene. Addresses given at the Southeastern Regional Conference on Social Hygiene. Theme: Social health in war and peace. 48 l. 28cm. Atlanta, 1943.

United States. Army. Conference on venereal disease control [1944] Transcript of proceedings. 100p. 27cm. Governors Island, 1944.

[United States] Federal-state war conference on social protection [1. Conf., 1943] Venereal disease, saboteur of war manpower. 72p. 22cm. Trenton, 1943.

Alabama; state conference on wartime venereal disease control. J. Social Hyg., 1943, **29**: 468.—**Bericht** über die Sitzung der Kommission für das Brüsseler Abkommen. Reichsgesundhbl., 1938, **13**: 531.—**Conference** of State and Territorial Health Officers, May 1–2, 1941; a plan to insure adequate venereal disease control measures for personnel discharged from the United States Army, Navy, and Coast Guard. Vener. Dis. Inform., 1941, **22**: 233–6.—**Conference** on Venereal Disease Control Needs in Wartime; Oct. 21–24, 1942. Arch. Derm. Syph., Chic., 1942, 556. Also J. Arkansas M. Soc., 1942–43, **39**: 111. Also J. Nerv. Ment. Dis., 1942, **96**: 489. Also Rhode Island M. J., 1942, **25**: 200. Also Vener. Dis. Inform., 1942, **23**: 332–6.—**Conference** on venereal disease control in wartime. J. Am. M. Ass., 1942, **119**: 1511.—**Conference** on venereal disease program. Ibid., 1943, **122**: 1130.—**Conference** on venereal diseases. Pub. Health, Lond., 1942–43, **56**: 76.—**Conference** on Wartime Venereal Disease Control., Baton Rouge, Ap. 2, 1943. N. Orleans M. & S. J., 1942–43, **95**: 526.—**Conference** with Negro leaders on wartime problems in venereal disease control; abstract of proceedings. J. Social Hyg., 1944, **30**: 76–83.—**Fifth** national social hygiene day. Ibid., 1941, **27**: 35–7.—**National** conference on wartime problems in venereal disease control. J. Nat. M. Ass., 1944, **36**: 19.—**Parran, T.** Conference on Venereal Disease Control Needs in Wartime under the auspices of the U. S. Public Health Service. J. Mount Sinai Hosp. N. York, 1942–43, **9**: 207–11.—**Resolutions** adopted in 1928 by the General Assembly of the International Union against venereal disease. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., 107–9.—**Smith, W. H. Y.** Conference on war-time venereal disease control in Alabama. J. M. Ass. Alabama, 1942–43, **12**: 316.—**Symposium** on venereal disease in the Armed Forces. N. York State J. M., 1943, **43**: 1825–35.—**United States** Public Health Service Conference at Hot Springs marks a milestone; venereal disease control needs in wartime. J. Social Hyg., 1942, **28**: 485–7.

—— Manual.

Great Britain. War Office. Memoranda on venereal diseases, 1936. 171p. 12° Lond., 1936.

India. Army Medical Directorate. Venereal disease, diagnosis & treatment. 4. ed. 187p. 20½cm. Simla, 1941.

Keogh, A. M., Melville, C. H. [et al.] A manual of venereal diseases; by officers of the

Royal Army Medical Corps. 282p. 18½cm. Lond., 1907.

United States. Army. Coast Artillery Command. Office of the Surgeon. Venereal disease [Reprint] 31p. 27cm. Wash., 1948.

Forms Exh. G, Chapt. 13, pt 2, v. 11, Prev. Med. in World War II, Wash., 1948.

United States. Army. Surgeon-General's Office. The venereal diseases; an outline of their management. 3. ed. 159p. 14½cm. Chic., 1919.

United States. Office of Community War Services. Meet your enemy, venereal disease. 41p. 23cm. Wash., 1944.

VENEZUELA.

For references to this country see this section under **Nutrition service; Tuberculosis geography.**

VENIPUNCTURE.

See also **Therapeutics,** Injection treatment.

Neel, H. B. Venipuncture; a technic and a needle holder for its facilitation. U. S. Nav. M. Bull., 1944, **42:** 1178–81.—**Silvis, R. S.** An aid to intravenous technic. Ibid., 1943, **41:** 1142–4.—**Venepuncture** with a blood transfusion needle. Bull. Army M. Dep., Lond., 1944, Suppl. No. 12, 1–4.

VENOM.

See **Poison,** animal; **Snake bite.**

VENTILATED clothing.

See under **Clothing.**

VENTILATION.

See also **Battleship; Blackout,** Engineering; **Ship,** Air conditioning; **Tank,** Ventilation.

Consolazio, W. V., & Pecora, L. J. Minimal replenishment air required for living spaces under conditions of mechanical cooling and in conjunction with the removal of odors by activated carbon and other means. 39p. 27cm. Bethesda, 1946.

Forms Rep. No. 4, Res. Proj. X–533, U. S. Nav. M. Res. Inst.

Jachowski, L. A., jr, & Wilson, C. S. A laboratory evaluation of insect screens in air conditioning ducts. 5p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X–365, U. S. Nav. M. Res. Inst.

Calver, G. W. The ventilation problem of the Halls of the Senate and House of Representatives. U. S. Nav. M. Bull., 1930, **28:** 177–94, 8pl.—**Field, A. S.,** jr. A kitchen ventilating system in a semi-permanent installation. Med. Bull. North Afr. Theater U. S., 1944, **2:** 67.—**Field** kitchen ventilating system. Bull. U. S. Army M. Dep., 1944, No. 82, 16.—**Meier-Windhorst.** Ventilation lay-out. CIOS Rep., Lond., 1945, Item 8, 24 & 27, No. XXVII–61, 26.—**Morev, V.** Kondicionirovanie vozdukha. In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 1407.—**Spassky, V.** Regeneracija vozdukha. Ibid., **4:** 1078–82. ——— **& Bogoliubov, K.** Ventiljacija. Ibid., **1:** 679–88.—**Wetmore, W. O.** Air conditioning; the trend for indoor health and comfort. Mil. Surgeon, 1930, **66:** 835–44.—**Wietfeldt, W.** Fragen der Raumlüftung im Kriege. Gesundh. Ingenieur, 1944, **67:** 64–7.

VERDUN.

See under **World War I.**

VERMIN.

See also **Insect; Lousiness; Pediculosis; Phthiriasis; Rat; Rodent.**

Lackland, F. D. Extermination of insects and rodents. Chem. Warf., 1926, **12:** No. 6, 2–9.—**Pavlovsky, E., Pervomajsky, G., & Chagin, K.** Zaśćitnye setki ot gnusa i opyt ikh massovogo primenenija. Voen. san. delo, 1940, No. 4, 4–16.—**Pinel, C.** A propos de la vermine dans les tranchées. Rev. path. comp., Par., 1915, **15:** 194.—**Schlesinger, L.** Die Ungezieferbekämpfung in einem Kricgsgefangenenlager. Münch. med. Wschr., 1915, **62:** 562; 734.

VERRUCA.

Ferloni, A. V. J. Tratamiento de las verrugas vulgares mediante la cura oclusiva impermeable; nota práctica. Rev. san. mil., B. Air., 1944, **43:** 171–4. ——— Tratamiento de las verrugas vulgares mediante la ionoforesis salicílica. Rev. san. mil. argent., 1949, **48:** 125–7.—**Infective** warts. Bull. Army M. Dep., Lond., 1943, No. 23, 2.—**Plantar** warts; a note on treatment. Ibid., 1944, No. 34, 4.—**Wright, W. L.** Plantar wart therapy. U. S. Nav. M. Bull., 1949, **49:** 707–9.

VERTEBRA.

See also **Fracture**—by site: Vertebra; **Spine.**

Arteriovenous fistulae of the cervical portion of the vertebral vessels. Bull. U. S. Army M. Dep., 1947, **7:** 109–14.—**Culty & Cousty.** Malformations multiples des corps vertébraux. Bull. Soc. méd. mil. fr., 1936, **30:** 351–7.—**Jeffery, C. C.** A case of congenital hemi-vertebra. J. R. Nav. M. Serv., 1941, **27:** 90–3.—**Knudtson, K. P.** Lumbar vertebral chordoma. U. S. Nav. M. Bull., 1949, **49:** 322–5.

—— Injury.

See also **Spine,** Injury.

Bittner, K. [Fractures of the transverse apophyses of the lumbar vertebrae] Lek. wojsk., 1935, **26:** 300–12.—**Hall, P. A., & Morley, G. H.** A review of cases of injury to the vertebrae occurring in the Royal Air Force. Brit. M. J., 1940, **1:** 159–63.—**Hansen, H.** First aid and transportation of vertebral injuries. Mil. Surgeon, 1940, **87:** 53.—**Lagomarsino, E. H., & Dal Lago, H.** La fractura de la apofisis odontoides. Rev. san. mil., B. Air., 1938, **37:** 864–86.

VERTIGO.

See also **Aviator** subheadings (Disease; Equilibrium) **Kinetosis;** also **Vestibular apparatus.**

Vinacke, W. E. The concept of aviator's vertigo. 11 l. 27cm. Pensacola, 1946.

Forms Rep. No. 7, Res. Proj. X–148 (Av–4–3) U. S. Naval School Aviat. M.

——— Predicting the susceptibility of aviators to vertigo: a preliminary study. 25 l. 27cm. Pensacola, 1946.

Forms Rep. No. 10 of preceding research project.

——— Vertigo as experienced by naval aviators. 22 l. 27cm. Pensacola, 1946.

Forms Rep. No. 12 of preceding research project.

Danson, J. G. The symptom of vertigo. J. R. Army M. Corps., 1934, **63:** 168–78. Also J. R. Nav. M. Serv., 1934, **20:** 205–16.—**Folly, E. R. M.** Le vertige au point de vue clinique et médico-légal. Arch. méd. pharm. mil., 1928, **89:** 81–99.—**MacCurdy, J. T.** Disorientation and vertigo, with special reference to aviation. Brit. J. Psychol., 1934, **25:** 42–54.—**Teicher, J. D.** Blind staggers. U. S. Nav. M. Bull., 1944, **42:** 892.—**Vertige** (Du) des animaux solipèdes, et spécialement des chevaux de l'armée. J. méd. vét., Lyon, 1846, **2:** 565–7.—**Yver.** Des orientations nouvelles de l'otologie: syndromes vertigineux, mal de mer. Arch. méd. pharm. nav., 1931, **121:** 495–9.

VESICANT.

See also under **Gas poisoning,** Vesicant gas.

Agrelo, R., & Franci, J. M. Los gases de combate; gases de acción caustica de la piel o vesicantes. Rev. méd. lat. amer., B. Air., 1942–43, **28:** 198–204.—**Blister** gas lesions on skin. Bull. Army M. Dep., Lond., 1944, No. 31, 6.—**Dixon, M., & Needham, D. M.** Biochemical research on chemical warfare agents. Nature, Lond., 1946, **158:** 432–8.—**Rives, J. D.** Vesicant chemical warfare agents. N. Orleans M. & S. J., 1942–43, **95:** 493–9.—**Some** aspects of chemical warfare; the treatment of burns from vesicants. Pharm. J., Lond., 1944, **99:** 116.

VEST.

See **Life jacket; Pressure vest.**

—— armored.

See **Body armor.**

—— elastic.

See **Pressure breathing,** Apparatus and equipment.

VESTIBULAR apparatus.

See also **Aviator,** Equilibrium; **Equilibrium; Vertigo.**

Graybiel, A., Kerr, W. A. [et al.] Threshold of stimulation of the horizontal semicircular

canals in man with particular reference to the significance of the first derivative of angular acceleration as a stimulus. 29p. 26cm. Pensacola, 1947.

Forms Rep. No. 17, Proj. No. X-148, Res. Rep. U. S. Nav. School Aviat. M.

McDonough, F. E., & Thorner, M. W. Regulation Bárány and swing tests in navigation cadets. 4 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 100, U. S. Air Force School Aviat. M.

Also forms No. 116, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Air Force. School of Aviation Medicine. Research report, project No. 102, report No. 2: Roentgenographic-studies of gastrointestinal motility observed in swing test subjects. 9p. 27cm. Randolph Field, 1943.

Worms, G. L'examen de la fonction vestibulaire. p.1–70. 24cm. Par., 1931.

Arch. méd. pharm. mil., 1931, **94**:

Caliendo, M. Sulla semiotica dell'apparato vestibolare. Gior. med. mil., 1935, **73**: 238–44.—**Frenkel, O. M.** Changes in the excitability of the vestibular apparatus following repeated stimulation; significance for aviators. Bull. War M., Lond., 1941–42, **2**: 521 (Abstr.) Also War Med., Chic., 1942, **2**: 536 (Abstr.)—**Gandullo, L.** Estado actual de los conocimientos sobre anatomía, fisiología y patología, desde el punto de vista estàtico y cinestésico. Rev. españ. med. cir. guerra, 1945, **7**: 183–201.—**McEnany, C. E.** Ice (The) water test and its effect on blood pressure. Flight Surgeon Topics, 1937, **1**: 4–12.—**Pera, G.** I metodi di esame dell'apparato vestibolare. Ann. med. nav., Roma, 1931, **37**: 324–38.—**Pfeffer, C. A.** The vestibular tests as employed by the Army (U. S.) Air Service. Mil. Surgeon, 1926, **59**: 435–8.—**Rakhmilevich, A. G.** Dejstvie hipoksemii i ponižennogo atmosfernogo davlenija na vestibularnyj apparat. Voen. san. delo, 1941, 51–4.—**Static** equilibrium and vestibular function. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 18.

VETERAN.

See also the following headings: **Dental care; Dependent; Diabetes mellitus; Disability; Disabled,** Employment; **Heart,** Disease; **Hospitalization; Hospital report; Insurance; Journals; Malaria; Medical care; Medical service; Mortality; Neurology; Neuropsychiatric examination; Neuropsychiatry; Neurosis; Neurotic; Nurse; Orthopedics; Parasitosis; Pension; Pharmaceutical service; Pharmacist; Pharmacy; Physical therapy; Physical training; Psychiatry; Psychological service; Psychologist; Psychopath; Psychotherapy; Psychotic; Tuberculous; Venereal disease; War neurosis; War psychosis.**

Johnson, D. Veteran's guide. 32p. 21½cm. N. Y., 1945.

Forms No. 102, Pub. Affairs Pamphl.

Waller, W. W. The veteran comes back. 316p. 21½cm. N. Y., 1944.

Galbraith, H. M. The returning veteran. J. Oklahoma M. Ass., 1945, **38**: 481–3.—**Nixon, N.** The returning serviceman; how does he stack up physically? Mil. Surgeon, 1946, **98**: 392–4.—**Smith, L. H., & Wood, H. C.** The general practitioner and the returning veteran. J. Am. M. Ass., 1945, **129**: 190–3.—**Ward, M. F.** One million men have come back. Occupations, 1943–44, **22**: 109–13.

—— Adjustment.

Cartwright, M. A., & Burch, G. Adult adjustment; a manual on the coordination of existing community services and the establishment and operation of community adjustment centers for veterans and others. 84p. 23½cm. N. Y., 1945.

Illinois Society for Mental Hygiene. Institute on Readjusting with the Returning Servicemen. Proceedings of the Institute on readjusting with the returning servicemen, held March 8–9, 1945, Chicago, Illinois. 156p. 21½cm. Chic., 1945.

Kupper, H. I. Back to life; the emotional adjustment of our veterans. 220p. 21cm. N. Y., 1945.

Pratt, G. K. Soldier to civilian; problems of readjustment. 233p. 21cm. N. Y., 1944.

Andrews, J. N. Demobilization and readjustment of veterans. Indust. M., 1944, **13**: 472–8. —— Readjusting the veteran. Proc. Indust. Hyg. Found. America, 1944, 9. meet., 1–11.—**Cameron, N.** The socially maladjusted veteran. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 29–37.—**Carpenter, C. R.** Adjustments of returned soldiers. Am. J. Optometr., 1945, **22**: 385–90.—**Child, I. L.** Readjustment of the returning serviceman. Psychol. Bull., 1944, **41**: 583.—**Chisholm, G. B.** The soldier's return. Psychiatry, Balt., 1945, **8**: 103–5.—**Eaton, W. H.** Research on veterans' adjustment. Am. J. Sociol., 1945–46, **51**: 483–7.—**Felix, R. H.** Maladjustment in the returning veteran; comments on etiology and symptomatology. J. Omaha Clin. Soc., 1946, **7**: 54–61.—**Freitas, S.** O problema do reajustamento social dos ex-combatentes à luz da psicanálise. Rev. med. mil., Rio, 1949, **38**: 107–15.—**Gilbert, G. M.** A preview of veteran adjustment problems. J. Abnorm. Psychol., 1945, **40**: 287–300.—**Ginsburg, E. L.** Veteran into civilian; the process of readjustment. Ment. Hyg., Alb., 1945, **29**: 7–19.—**Grant, D. N. W.** The medical direction of human drives in war and peace. Kentucky M. J., 1944, **42**: 339–45. Also Fed. Bull., Chic., 1945, **31**: 3–12.—**Hincks, C. M.** The soldier's return. Psychiatry, Balt., 1945, **8**: 107–9.—**King, J. J.** Comments on discharged war veterans. J. Consult. Psychol., 1945, **9**: 191–3.—**Klopf, G.** The adjustment of the World War II veteran; a bibliography. Occupations, 1944–45, **23**: 201–5.—**Lindeman, E. C.** Community programs for social adjustment. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 144–9.—**Menninger, W. C.** Social reintegration of the veteran. In his Psychiat. in a Troubled World, N. Y., 1948, 363–92.—**Rennie, T. A. C., & Woodward, L. E.** Emergency measures for aiding veteran-civilian adjustment. In their Ment. Health, N. Y., 1948, 44–67.—**Rhode, C.** Community aspects of the veteran's readjustment. Bull. Menninger Clin., 1945, **9**: 134–40.—**Rogers, C. R.** Psychological adjustments of discharged service personnel. Psychol. Bull., 1944, **41**: 689–96.—**Schwartz, L. A.** Emotional attitudes of the returned veteran. Proc. Inst. Readjust. Servicemen (Illinois Soc. Ment. Hyg.), 1945, 16–20.—**Stevenson, G. S.** The rebirth of a civilian. Ibid., 57–69.—**Ullman, V.** Chart your course for the future. Hosp. Corps Q., 1944, **17**: No. 6, 144–50.—**Walker, E. F.** The readjustment problems of the discharged soldier. North Carolina M. J., 1946, **7**: 209–13.—**Wiley, B. I.** Personnel readjustment planning. In: U. S. Army in World War II, Wash., 1947, AGF 1: 439–46.—**Woodward, L. E.** Social readjustment of returning veterans. Proc. Inst. M. Chicago, 1944–45, **15**: 227–30. Also Dis. Nerv. Syst., 1945, **6**: 83–8.

—— disabled.

See **Disability; Disabled;** also **Blind; Deafness.**

—— Education and training.

See also under **Rehabilitation.**

Bradley, O. N. Veterans education and training. Mil. Surgeon, 1946, **99**: 219–23.—**Brophy, D. F., & Long, L.** Veterans administration vocational training program; processing procedures used by the College of the City of New York. Psychol. Bull., 1944, **41**: 795–802.—**Donahue, W. T., & Tibbitts, C.** College and university procedures in the reorientation of veterans. J. Clin. Psychol., 1946, **2**: 131–9.—**Ennes, H., & Ennes, S. B.** Four GI student families tell their stories. J. Social Hyg., 1948, **34**: 323–9.—**Horner, H. H.** Educational opportunities for the returning veteran. J. Am. Dent. Ass., 1946, **33**: 28–32.—**Johnson, V., & Arestad, F. H.** Educational facilities required for returning medical officers. Fed. Bull., Chic., 1944, **30**: 291–304. Also J. Am. M. Ass., 1944, **126**: 253–7.—**Kirk, S. A.** Educational reconditioning in Army general hospitals. J. Except. Child., 1945–46, **12**: 194–8.—**Krieger, H. L.** Vocational rehabilitation and placement of veterans. Proc. Indust. Hyg. Found. America, 1944, 9. meet., 12–4.—**Nash, T. P.,** jr. Medical education for war veterans. Memphis M. J., 1944, **19**: 113.—**Postgraduate** courses for veteran and civilian physicians. J. Am. M. Ass., 1946, **132**: 937; 1026.—**Rosecrance, F.** Emotional aspects of educational problems of the returning veteran. Proc. Inst. Readjust. Servicemen (Illinois Soc. Ment. Hyg.), 1945, 21–34.—**Sackett, E. B.** Fitting the veteran to the academic mold. Occupations, 1943–44, **22**: 471–4.—**Schools** plan for adjustment of veterans and war workers; a symposium. Ibid., 1944–45, **23**: 5–13.—**Schwitalla, A. M.** The education of physician veterans. Hosp. Progr., 1945, **26**: 361.—**Uncle** Sam's invitation to learning; Osborn report on proposed post-war educational program. Occupations, 1943–44, **22**: 263–5.

—— Employment.

See also subheading (Reemployment)

Industrial Hygiene Foundation of America. Putting the veteran back to work. 2 nos. 28cm. Pittsb., 1944.

Alexander, L. S. Employment counseling program of the United States Employment Service. J. Clin. Psychol., 1946,

2: 123–6.—**Arnold, O. J.** Returning servicemen; Northwestern National Life program. Personnel J., 1944–45, 23: 168–70.—**Barritt, J. L.** A physical job-placement program. U. S. Nav. M. Bull., 1945, 45: 192–5.—**Cameron, D. E.** The re-integration of the war veteran in industry. Canad. M. Ass. J., 1944, 51: 202–6.—**Dye, H. R.** Veteran placement as viewed by an industrial physician. Indust. M., 1944, 13: 989.—**Gleason, C. W.** Vocational guidance problems of returning veterans. Psychol. Bull., 1944, 41: 584.—**Hendrix, A. A.** Case history experiences in employment of veterans. In: Putting the Disabled Veteran Back to Work (C. D. Selby) Pittsb., 1943, 18–24. ——— Case histories; Eastern Aircraft. Indust. M., 1945, 14: 40.—**Hines, F. T.** Role of federal agencies in post-war reconversion. Occupations, 1944–45, 23: 17–9.—**Hostetler, C. E.** Vocational training and placement of the veteran. J. Am. M. Ass., 1944, 125: 258–63.—**Kraines, S. H.** Industry's role in the readjustment of returning veterans. Welf. Bull., Springf., 1945, 36: 7–9.—**Krieger, H. L.** Experiences in readjustment, Ford Motor Company. Indust. M., 1945, 14: 40.—**Livingston, F.** Returning servicemen; personnel's preparation. Personnel J., 1944–45, 23: 162–7.—**Panel** named to assist in placing of veterans in industry. J. Am. M. Ass., 1944, 124: 1003.—**Porter, W. C.** The placement of returning veterans. Med. Way, 1944–45, 6: No. 13, 3–6.—**Radcliffe, R. A. C.** The ex-serviceman in civil employment. Occup. Psychol., Lond., 1945, 19: 1–5.—**Taylor, H. C.** The emotional aspects of industrial and employment problems of the returning serviceman. Proc. Inst. Readjust. Servicemen (Illinois Soc. Ment. Hyg.), 1945, 35–43.

—— Family relations.

MARIANO, J. H. The veteran and his marriage. 303p. 21cm. N. Y., 1945.

Cuber, J. F. Family readjustment of veterans. Marriage & Family Liv., 1945, 7: 28–30.—**Griffith, C. R.** The psychological adjustments of the returned servicemen and their families. J. Home Econom., 1944, 36: 385–9. Also Marriage & Family Liv., 1944, 6: 65, &c.—**McDonagh, E. C.** The discharged serviceman and his family. Am. J. Sociol., 1945–46, 51: 451–4.—**Nordman, M. G.** Helping in the readjustment of the soldier and his family. Proc. Inst. Readjust. Servicemen (Illinois Soc. Ment. Hyg.), 1945, 44–56.—**Reinemann, J. O.** The war veteran in the domestic-relations court; a study of 200 case records of the Municipal Court of Philadelphia. Ment. Hyg., Alb., 1947, 31: 409–25.

—— Hospitalization.

See **Hospitalization.**

—— Laws and regulations.

MIRANDE, C. Les soins gratuits aux victimes de la guerre; article 64 de la Loi du 31 mars 1919. 171p. 25cm. Par., 1942.

UNITED STATES. VETERANS ADMINISTRATION. Technical Bulletin TB 10A–207: Assault upon, injury to, unusual death and elopement of, beneficiaries. 3p. 26½cm. Wash., 1949.

Andrews, J. N. Comprehensive planning for veterans; an outline of recent legislative provisions. Indust. M., 1945, 14: 557–9.—**Bell, R. A.** Reports of medical survey; a review of law pertaining thereto. U. S. Nav. M. Bull., 1942, 40: 608–21.—**Caldwell, L. K.** State legislation. Ann. Am. Acad. Polit. Social Sc., 1945, 239: 46–52.—**Hines, F. T.** The soldiers' Bill of Rights. Mil. Surgeon, 1945, 96: 11–7.—**Holloway, J. W.,** jr. The G. I. Bill of Rights. Wisconsin M. J., 1945, 44: 116–9.—**Important** legal decision affecting hospital treatment of persons discharged from the draft. Med. Bull. Veterans Admin., 1940–41, 17: 106.—**Margolis, D. J.** Compensation laws and the Veterans Administration. Proc. Inst. M. Chicago, 1944–45, 15: 233–6.—**Monsman, G.** Federal legislation. Ann. Am. Acad. Polit. Social Sc., 1945, 239: 38–45.—**Shoulders, H. H.** Legislation in the interest of veterans. Illinois M. J., 1932, 62: 136–44. Also J. Kansas M. Soc., 1932, 33: 192–200.—**Veterans'** relief regulations modified. J. Am. M. Ass., 1934, 102: 303.

—— Medical care.

See **Medical care.**

—— naval.

Lusk, F. E., & McQueen, W. C. Civil readjustment in naval hospitals. Hosp. Corps Q., 1946, 19: No. 3, 25–7.—**Montgomery, H. H.** Medical care of the naval veteran. Connecticut M. J., 1945, 9: 831–5.

—— Problems.

Brandon, R. H. The returned soldier as a problem already. Welf. Bull., Springf., 1943, 34: 2.—**Donahue, W. T., & Tibbitts, C.** The task before the veteran and society. Ann. Am. Acad. Polit. Social Sc., 1945, 239: 1–9.—**Hines, F. T.** Veterans' problems of the present war. Mil. Surgeon, 1944, 94: 82–4.—**Lane, F. E.** What's to become of the veterans? N. York Med., 1948, 4: No. 7, 23–6.—**Lindenfeld, A.** Problems of the returning veteran. Hahneman. Month., 1945, 80: 311–20.—**Meakins, J. C.** The returning serviceman and his problems. Canad. M. Ass. J., 1944, 51: 195–202.—**Present** day problems of the veteran. Red Cross Courier, 1937–38, 17: No. 12, 17.—**Russell, C.** The problem of the returned soldier. N. York M. J., 1918, 108: 45.—**Sielke, E. L.** Some problems of the returning veteran. Ment. Health Bull., Danville, 1945, 23: No. 3, 18–26.—**Van Cleave, H. J.** Returning service men a problem in nationa health. Am. Scientist, 1944, 32: 243–53.

—— Psychology.

See also other subdivisions (Adjustment; Problems) also **Rehabilitation.**

Bellsmith, E. B. The returned soldier; a challenge. Psychiat. Q. Suppl., 1945, 19: 169–76.—**Bradley, O. N.** Protecting the mental health of the veteran. Ment. Hyg., 1946, 30: 1–8.—**Corwin, W.** Attitudes of soldiers returning from overseas service. Am. J. Psychiat., 1945–46, 102: 343–50.—**Davis, P.** Psychological problems and the returning serviceman. Training School Bull., 1945–46, 42: 69–72.—**Millet, J. A. P., & Hayward, E. P.** Psychology of fighters. Personnel J., 1945–46, 24: 43–9.—**Pierce, A. H.** Problems of the returning veteran and the responsibility of the public agency. Ment. Health Bull., Danville, 1945, 23: No. 3, 3–10.—**Ratcliffe, T. A.** The psychological problems of the returned ex-serviceman. Ment. Health, Lond., 1947, 7: 2–5.

—— Reemployment.

See also subdivision (Employment)

Burlingame, C. C. Psychiatric aspects of veterans re-employment. Connecticut M. J., 1945, 9: 836–9.—**Drought, N. E.** Psychological factors related to reemployment of discharged war veterans. J. Consult. Psychol., 1944, 8: 100–6.—**Governor's** Committee on Veterans' Rehabilitation and Employment announces routine for handling claims. Welf. Bull., Springf., 1944, 35: No. 3, 3–5.—**Groth, E. H.** Re-employment of ex-service men and women; placement and follow-up. Indust. M., 1945, 14: 91–4.—**Jonas, C. R.** Reemployment and readjustment rights of veterans. Current Leg. Thought, 1944–45, 11: 327–40.—**Policies** on reemployment of veterans and war workers. Month. Labor Rev., 1944, 59: 130–2.—**Provision** requiring employer to restore former employee to position held prior to military service. Current Leg. Thought, 1943–44, 10: 442–4.—**Re-employment** of ex-service men and women; obligations of employer; job analysis for sound placement; medical program. Indust. M., 1944, 13: 805; 910; 1000.—**Re-employment** of ex-service men and women; training program. Ibid., 1945, 14: 196–8.—**Smith, W. A.** Putting the veteran back to work. J. Indiana M. Ass., 1944, 37: 282–9.—**Trundle, G. T.,** jr. Returning to the old job; realistic thinking about placement of the veteran. Occupations, 1944–45, 23: 16.—**Wittmer, J. J.** Re-employment of war veterans. Indust. M., 1944, 13: 970–4.

—— Rehabilitation.

See as main heading.

—— Societies.

UNITED STATES. CONGRESS. HOUSE OF REPRESENTATIVES. Doc. No. 150: Journal of the 67th National encampment of the Grand Army of the Republic (St. Paul) 278p. 8° Wash., 1934.

Administrator's (The) address at the Convention of the Veterans of Foreign Wars. Med. Bull. Veterans Admin., 1942–43, 19: 234.—**Bostock, J.** The problem of returned soldier organizations. Med. J. Australia, 1943, 1: 534–6.—**Hawley, P. R.** The Blue and Gray reunion; Gettysburg, Pa., June 29 to July 6, 1938. Army M. Bull., 1938, 46: 29–38.—**Spatz, F.** The veterans Society of Natural Sciences; a patient naturalist club at the Veterans Administration Facility, Coatesville, Pa., and its relation to occupational therapy and rehabilitation. Occup. Ther. Rehabil., 1939, 18: 293–8.

—— by countries.

VERZHIBILOVSKY, P. P. The care of war pensioners in Russia (Appendix: Soviet law on demobilisation) 48p. 18½cm. Lond., 1945.

Bajandin, I. T. Sanitarno-epidemiologićeskoe obespećenie repatriirovannykh i voennoplennykh. Voen. med. J., Moskva, 1946, No. 3, 44–7.—**Canada** adopts exemplary program for demobilized men. Social Secur., 1941, 15: No. 9, 1.—**Plans** for reemployment of India's demobilized soldiers. Month. Labor Rev., 1944, 59: 132.—**Protection** of veterans in Australia. Ibid., 759–63.—**Takahara, B.** Dai-zyūsiti saikan zaigō-gunzin no kenkō zyōtai gaikan [A summary of the 17th health survey of ex-soldiers] Gun idan zassi, 1927, 1205–18.

—— by countries: Germany.

VERSORGUNGSHEILBEHANDLUNG (Die) der Kriegsbeschädigten nach dem Reichsversorgungsgesetz unter Berücksichtigung aller Aenderungen;

mit den Ausführungsbestimmungen und den ämtlichen Rententafeln. 203p. 8° Berl., 1932.

Axenfeld. Inwieweit sind sehschwache Kriegsbeschädigte den Kriegsblinden gleichzustellen? Kriegsbeschädigtenfürsorge, 1916–17, **1**: 457–61.—**Brebeck.** Nichtanrechnung der Versorgungsgebührnisse auf das Arbeitsentgelt. Ibid., 1919–20, **4**: 335–48.—**Durchführungsbestimmungen** zum Wehrmachtsfürsorge- und -versorgungsgesetz. Reichsgesundhbl., 1938, **13**: 960–3.—**Fürsorge-** und Versorgungsgesetz für die ehemaligen Angehörigen der Wehrmacht und ihre Hinterbliebenen. Wehrmachtsfürsorge- und -versorgungsgesetz. Ibid., 936–41.—**Geib.** Die Einrichtung und Entwicklung der Abteilung Bäder- und Anstaltsfürsorge des Zentralkomitees der Deutschen Vereine vom Roten Kreuz. Kriegsbeschädigtenfürsorge, 1916–17, **1**: 444–51.—**Gottwald.** Ratschläge zur Umsiedlung von Kriegsbeschädigten. Ibid., 292–307.—**Grundsätze** für die Durchführung der Kriegsbeschädigtenansiedlung; Leitsätze des Reichsausschusses der Kriegsbeschädigtenfürsorge. Ibid., 425–43.—**Heinemann-Grüder, C.** Versorgungsgesetze der Wehrmacht. In his Arzt i. d. Wehrmachtversorg., 2. Aufl., Dresd., 1944, 6–14.—**Horion.** Die Kriegsbeschädigten und die Armenpflege. Kriegsbeschädigtenfürsorge, 1916–17, **1**: 217–29.—**Kattwinkel.** Zum Problem der halben Arbeitskräfte. Ibid., 1919–20, **4**: 447–55.—**Kerschensteiner, A.** Der vaterländische Hilfsdienst und die Kriegsbeschädigtenfürsorge. Ibid., 1916–17, **1**: 333–8.—**Koppmann, F.** Das Kapitalabfindungsgesetz für Offiziere und seine bisherigen Wirkungen. Ibid., 1919–20, **4**: 395–9.—**Kuffler.** Die bisherigen Ergebnisse der Kriegsblindenfürsorge. Ibid., 1916–17, **1**: 313–32.—**Link.** Der Rechtschutz der Kriegsbeschädigten; die gemeinnützige Rechtsauskunft im Dienste der Kriegsbeschädigtenfürsorge. Ibid., 230–8.—**Mannliche** (Die) Wohnbevölkerung der Geburtsjahrgänge 1930 und früher nach ihrem Dienst in der ehemaligen deutschen Wehrmacht. Berl. Statist., 1948, 61.—**Olshausen, T. v.** Die neuen Steuergesetze in ihrer Bedeutung für die Kriegsbeschädigten und Kriegshinterbliebenen. Kriegsbeschädigtenfürsorge, 1920–21, **5**: 276–86.—**Rühe, E.** Grundlagen des ärztlichen Urteils im Wehrmachtfürsorge- und -versorgungsgesetz. Aerztl. Sachverst. Ztg, 1938, **44**: 285–90. ——— Das Wehrmachtfürsorge- und -versorgungsgesetz. Deut. Militärarzt, 1938, **3**: 442–7. ——— Das neue Wehrmachtsfürsorge- und -versorgegesetz. Med. Klin., Berl., 1940, **36**: 1379. ——— Begriffe des WFVG. In: Arzt i. d. Wehrmachtversorg. (Heinemann-Grüder, C.) 2. Aufl., Dresd., 1944, 15–46.—**Schindler.** Die Arbeitsvermittlung Kriegsbeschädigter. Kriegsbeschädigtenfürsorge, 1919–20, **4**: 329–34.—**Spannagel.** Die Mitwirkung der Gewerbeaussichtsbeamten in der Kriegsbeschädigtenfürsorge. Ibid., 369–73.—**Wissell, R.** Die Arbeitsgemeinschaften zugunsten der Kriegsbeschädigten. Ibid., 1916–17, **1**: 274–91.

—— by countries: United States.

See also subsequent main headings.

Amendment of World War Veterans' Act. U. S. Veterans Bur. M. Bull., 1930, **6**: 904.—**Bills** pending in the Seventy-third Congress. Bull. Am. M. Ass., 1933, **28**: 129–32.—**Brooks, O.** Statistics concerning veterans. Congressional Rec., 1943, **89**: A5859.—**Digest** of interim report from the Subcommittee on Wartime Health and Education to the Committee on Education and Labor, U. S. Senate. J. Am. M. Ass., 1945, **127**: 860.—**Jarman, P.** Comparative study of various classes of World War veteran beneficiaries according to State of residence for fiscal year ending June 30, 1940. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., pt 10, 3906–10.—**Medical** bills in Congress. J. Am. M. Ass., 1939, **113**: 66.—**Ploeser.** Statement by Warren H. Atherton, national commander of the American Legion, on results of survey of World War No. 2 claims. Congressional Rec., 1943, **89**: 10437–40.—**Public** No. 2, 73d Congress, and Executive Orders issued pursuant thereto governing the granting of benefits to veterans of the Armed Forces of the United States and their dependents. Med. Bull. Veterans Admin., 1933, **10**: 53–6.—**Rice, M. W.** Comparative study of World War veterans by State of residence. In: Hearings Interstate Migr. U. S. Congr. H. Repr., 1941, 76. Congr., 3. sess., pt 10, 3902.—**Rulkotter, M. L.** Civil War veterans in politics. Summaries Doct. Diss. Univ. Wisconsin, 1940, **4**: 100–2.—**Schroeder, R.** A proteção do estado ao soldado americano (transl.) Rev. med. mil., Rio, 1949, **38**: 85–93.—**Yeo, J. W.** Boston serves its discharged veterans; how one community has organized. Occupations, 1943–44, **22**: 250.

VETERANS Administration.

See also **Dental service; Hospital; Hospitalization; Hospital report; Library; Medical care; Medical Corps, Medical service, Rehabilitation; Social service.**

Annual report of the Veterans Administration. J. Am. M. Ass., 1934, **102**: 302.—**Annual** report of Veterans Administration. Ibid., 1937, **109**: 56; 1938, **110**: 669.—**Cary, E. H.** Veterans' medical legislation as it affects the medical profession. Illinois M. J., 1935, **68**: 189–91.—**Cockrell, B. A.** The Veterans Administration. North Carolina M. J., 1941, **2**: 196–9.—**Digest** of recent legislation affecting the activities of the Veterans' Administration. Med. Bull. Veterans Admin., 1943–44, **20**: 110–2.—**Future** (The) beneficiaries of the Veterans' Administration created by the national preparedness program. Ibid., 1940–41, **17**: 432–4.—**Griffith, C. M.** The organization and functions of the United States Veterans Administration. Bull. Am. Coll. Surgeons, 1944, **29**: 198–200. ——— The Veterans Administration. In: Doctors at War (Fishbein, M.) N. Y., 1945, 321–35, 2 pl.—**Hines, F. T.** The Veterans Administration and national defense. Mil. Surgeon, 1941, **88**: 24–8.—**New** viewpoint of the Veterans Bureau. Bull. Am. Hosp. Ass., 1932, **6**: No. 12, 3.—**Spier, R. C.** Some notes on the origin and work of the United States Veterans Bureau. U. S. Veterans Bur. M. Bull., 1927, **3**: 315–20.

—— Personnel.

See also **Hospital staff,** Recruiting.

Beardsley, L. G. Postgraduate training of physicians of Veterans Administration. Med. Bull. Veterans Admin., 1935, **12**: 170–2.—**Hawley, P. R.** New opportunities for physicians in the Veterans Administration. J. Am. M. Ass., 1946, **130**: 403.—**Hughes, C. W.** The responsibilities of medical staffs. Med. Bull. Veterans Admin., 1934–35, **11**: 285–7.—**Pohe, M. E.** Education and training programs for nursing personnel in Veterans Administration hospitals. Mil. Surgeon, 1950, **106**: 219–22.—**Schneidler, G.** Opportunities in the Veterans Administration for professional counselors. Occupations, 1945–46, **24**: 491–7.—**Shack, M. E.** Graduates of nonapproved medical schools. N. England J. M., 1946, **235**: 283.—**Walton, F. E.** The development of the Veterans Administration residency training program. J. Missouri M. Ass., 1947, **44**: 824–8.

—— Services.

Cooperation of the Veterans Administration in the national defense program. Med. Bull. Veterans Admin., 1940–41, **17**: 430.—**Croft, A. E.** The Veterans Administration program for the vocational rehabilitation of sensory handicapped veterans of World War II. Hearing News, Wash., 1944, **12**: No. 6, 18–22.—**Cummins, M. D.** The V. A. and the veteran. Pub. Welf. Indiana, 1947, **57**: No. 8, 5–7.—**Foran, E. T.** The social service program of the Veterans Administration. Ibid., 8.—**Foster, F. A.** Social work in the Veterans' Bureau; its history and its possibilities. U. S. Veterans Bur. M. Bull., 1926, **2**: 17–25.—**Function** (The) of the Veterans Administration. Mil. Surgeon, 1946, **99**: 142–6.—**Hines, F. T.** The Veterans Administration and its relation to national defense. Ibid., 1939, **84**: 97–105. ——— The Veterans Administration in national defense. Ibid., 415–20. ——— Progress of the part the Veterans Administration is playing in the national defense program. Ibid., 1942, **90**: 113–9. ——— Activities of the Veterans Administration. J. Internat. Coll. Surgeons, 1944, **7**: 171–4.—**McHenry, K. A.** Educational programs in a Veterans Administration hospital. J. Am. Diet. Ass., 1946, **22**: 614–6.—**Margolis, D. J.** Compensation laws and the Veterans Administration. J. Nerv. Ment. Dis., 1945, **101**: 462–9.—**Miller, J. G.** Clinical psychology in the Veterans Administration. Am. Psychologist, 1946, **1**: 181–9.—**Stipe, J. H.** Social service in the Veterans Administration. J. Social Casework, 1948, **29**: 43–8.

—— Services, medical.

Liotta, M. A. The Veterans Administration Rating Board racket. 94p. 19½cm. N. Y., 1947.

Andrew, G. H. Hospitalization facilities for women veterans. Am. J. Nurs., 1945, **45**: 382.—**Army** engineers plan three VA hospitals; 1,000 beds each, 200 for neuropsychiatric patients; part of $600,000,000 plan. Hosp. Management, 1946, **62**: No. 5, 29–31.—**Covalt, D. A.** The medical rehabilitation service in the Veterans Administration. J. Indiana M. Ass., 1948, **41**: 716–9.—**Department** of Medicine and Surgery in the Veterans Administration. J. Am. M. Ass., 1946, **130**: 38.—**Eastwood, E.** Medical services and the Veterans Administration. N. York State J. M., 1946, **46**: 1459–62.—**Fowlks, E. W.** Physical medicine rehabilitation in a Veterans Administration medical and surgical hospital. Arch. Phys. M., 1948, **29**: 225–9.—**Griffith, C. M.** Special Medical Advisory Group to the Administrator of Veterans Affairs. Bull. Am. Coll. Surgeons, 1945, **30**: 135.—**Hawley, P. R.** Progress in reorganization of medical services in the Veterans Administration. J. M. Soc. N. Jersey, 1946, **43**: 405–9. ——— The Veterans Administration's medical program. Med. Times, N. Y., 1946, **74**: 269. ——— The Veterans Administration medical program and the public health of the country. In: Pub. Health in the World (Simmons, J. S.) Cambr., 1949, 134–51.—**Hines, F. T.** Medical care program of the Veterans Administration. Ann. Am. Acad. Polit. Social Sc., 1945, **239**: 73–9.—**MacDonald, G. M.** Report on a visit to U. S. Veterans Administration ophthalmo, restoration and research centers. Treatm. Serv. Bull., Ottawa, 1948, **3**: No. 5, 28–31. **Magnuson, P. B.** Veterans Administration medical service. Bull. Am. Coll. Surgeons, 1948, **33**: 193.—**Medical** activities of the Veterans Administration. J. Am. M. Ass., 1939, **112**: 1399.—**Meehan, R. T.** V. A. medical program seen degrading physicians. Med. Econom., 1944–45, **22**: No. 8, 36–8.—**Rogers, M.** The care and treatment of the disabled veterans of the World War by the U. S. Veterans Bureau. Tr. M. Ass. Alabama, 1925, **58**: 390–6.—**Rose, E. J.** The medical and hospital activities

of the Veterans Administration. Hosp. Progr., 1946, **27**: 251–3.—**Schaller, W. F.** The neurological program of the Veterans Administration. California M., 1950, **72**: 164–6.—**Scott, R. B.** Nursing in the Veterans Administration. Trained Nurse, 1948, **121**: 269–72.—**Sommer, C.** The new veteran and the future for the practice of medicine. Arch. Neur. Psychiat., 1945, **54**: 64.—**Spaulding, H.** Coordination in medical rehabilitation in Veterans Administration. Am. J. Occup. Ther., 1947, **1**: 168.—**Throckmorton, T. B.** The Veterans Administration problem; a survey of 200 consecutive cases. J. Iowa M. Soc., 1949, **39**: 196–207.—**Thuma, M. E.** Nursing service for veterans. Mil. Surgeon, 1947, **100**: 422–5.—**Veterans** Administration Department of Medicine and Surgery. Ibid., 1946, **98**: 159–61.—**Veterans Administration** doctor hits Veterans Administration medicine. Med. Econom., 1947–48, **25**: No. 9, 103, &c.

—— in foreign countries.

Convery, E. B. Outline of medical procedure in the district offices of the Department of Pensions and National Health. J. Canad. M. Serv., 1943–44, **1**: 561–8.—**Medical** problems of the Ministry of Pensions. Brit. M. J., 1941, **2**: 251.—**Ramsay, F. G.** Medical practice in the Department of Veteran Affairs. Alberta M. Bull., 1949, **14**: No. 3, 29–31.—**Warner, W. P.** Policy of Treatment Services, Department of Veterans' Affairs. Canad. M. Ass. J., 1946, **54**: 564–8.

VETERANS Administration Facility.

United States. Congress. House of Representatives. Committee on World War Veterans' Legislation. Investigation of the Veterans' Administration with a particular view to determining the efficiency of the Administration and operation of Veterans' Administration facilities; hearings. 7 pts in 3v. 2636p. 23½cm. Wash., 1945.

Herrick, L. M. A guidance program in a Veterans Administration Facility. Summaries Thes. George Washington Univ. (1941–43) 1943, 108–13.

—— Negro veterans.

Dibble, E. H., jr. The Veterans' Administration Facility for Negro beneficiaries, Tuskegee, Ala. Med. Bull. Veterans Admin., 1940–41, **17**: 158–62. ——— Care and treatment of Negro veterans at Tuskegee. J. Nat. M. Ass., 1943, **35**: 166–70.—**Tildon, T. T., Branche, G. C., & Barker, P. P.** Facts of interest in connection with the Veterans Administration Facility, Tuskegee, Alabama. Ibid., 1941, **33**: 81.

VETERANS hospital.

See under **Hospital**; also **Hospital report; Hospital service; Hospital staff.**

VETERINARIAN.

Harden, F. List of references on the veterinary profession and its place in the war world. 10 l. 28cm. Phila., 1942.

Cotton, W. E. The practicing veterinarian of the South in war time. North Am. Vet., 1942, **23**: 145.—**Merillat, L. A.** The veterinarian of World War II. Vet. Med., Chic., 1946, **41**: 33–6.—**Refugee** veterinarians. Austral. Vet. J., 1938, **14**: 178–80.—**Veterinary** profession at the end of the war. J. Am. Vet. M. Ass., 1945, **107**: 252–4.—**Women** veterinary surgeons and national service. Vet. Rec., Lond., 1941, **53**: 767.

—— Duties and activities.

Army veterinarian and the food control. Austral. Vet. J., 1942, **18**: 178.—**Karr, J. R.** Duties of the veterinary officer in the ATC. Air Surgeon Bull., 1945, **2**: 394.—**Stafseth, H. J.** The responsibility of veterinarians and veterinary students in time of war. M. S. C. Vet., East Lansing, 1941–42, **2**: 115.—**War** increases veterinarian's responsibility. Canad. J. Comp. M., 1940, **4**: 64.—**Wilder, C. W.** The veterinarian in the field. Army Vet. Bull., 1942, **36**: 264–7.—**Young, E. W.** Rôle of the veterinarian in today's Army. Vet. Med., Chic., 1949, **44**: 188–91.

—— Education and training.

See also **School,** veterinary.

Arkun, H. Veteriner tatbikatları [Veterinary training] Askeri vet. mecmuası, 1948, **26**: 125.—**Broadwell, J. M., & Tate, C. W.** Training of the Regimental Veterinary Section. Vet. Bull., Wash., 1941, **35**: 106–9.—**Dieterich, W. H.** Veterinary education in southern Korea. Circ. M. Sect. Far East Command, 1948, **3**: 17.—**Egan, H. E.** The Army Veterinary School. Vet. Bull., Wash., 1934, **28**: 5–7.—**Shook, L. L.** Training officers, Veterinary Corps, U. S. Army, in meat and dairy inspection. M. S. C. Vet., East Lansing, 1943–44, **4**: 59, &c.

—— Procurement.

Advisory Committee on Veterinary Medicine, Procurement and Assignment Service, War Manpower Commission. J. Am. Vet. M. Ass., 1944, **105**: 372.—**Bott, A. E.** In whose hands is the strength to win the war? North Am. Vet., 1942, **23**: 513. ——— Veterinary preparedness in Illinois. Ibid., 1943, **24**: 209–12.—**Charities** (The) of the profession in war-time; an urgent appeal to all members of the N. V. M. A. Vet. Rec., Lond., 1940, **52**: 716.—**Dislocating** the veterinary service. J. Am. Vet. M. Ass., 1942, **101**: 295.—**Full** employment of the profession in the interests of the nation. Vet. Rec., Lond., 1940, **52**: 590.—**Gunn, R. M. C.** The veterinarian and the war. Austral. Vet. J., 1943, **19**: 26–8. Also Canad. J. Comp. M., 1943, **7**: 129–31.—**Home** Guard compulsion proposals. Vet. Rec., Lond., 1941, **53**: 767.—**Kelser, R. A.** The role of the veterinarian in war. Mil. Surgeon, 1943, **92**: 243–6.—**Maunder, J. C. J.** The war effort of the veterinary profession. Austral. Vet. J., 1943, **19**: 97–102.—**Organized** veterinary medicine in national defense. J. Am. Vet. M. Ass., 1942, **100**: 114.—**Our** contribution to the nation's war effort; a healthy sign. Vet. Rec., Lond., 1941, **53**: 206.—**Our** small but vital profession at war; our implacable duty. J. Am. Vet. M. Ass., 1942, **100**: 2.—**Procurement** (The) and assignment service for physicians, dentists and veterinarians; its origin and functions. Ibid., 4–6.—**Profession** (The) and military service. Vet. Rec., Lond., 1940, **52**: 748.—**Seeley, S. F.** The Procurement and Assignment Service for physicians, dentists and veterinarians. J. Am. Vet. M. Ass., 1942, **101**: 388–94.—**Veterinarians** and the P & A Service. Ibid., **100**: 255.—**Veterinary** education and military service. Ibid., 1943, **103**: 320.—**Veterinary** (The) profession and the war. Vet. J., Lond., 1940, **96**: 220.—**Veterinary** surgeons and military service. Vet. Rec., Lond., 1943, **55**: 385.

—— Reserve.

Army veterinary reserve officers desired for laboratory duties. Vet. Med. Chic., 1940, **35**: 428.—**Hörchner, J.** Der ehemalige aktive Militärveterinär, ein Militarist? Tierärztl. Umsch., 1948, **3**: 327.—**Horning, J. G.** Training policies for veterinary reserve officers. J. Am. Vet. M. Ass., 1933, **82**: 851–4.—**Pybus, J.** The demobilised veterinary surgeon. Vet. Rec., Lond., 1944, **56**: 530.

VETERINARY administration.

See **Administration.**

VETERINARY Corps.

See also **Food inspection,** Organization; **Veterinary service.**

Canadian Army Veterinary Corps. Canad. J. Comp. M. 1941, **5**: 302.

—— Australia.

Henry, M. The activities of the Army Veterinary Corps. Austral. Vet. J., 1935, **11**: 11–6.—**Veterinary** surgeons and enlistments in the A. I. F. Ibid., 1941, **17**: 189.

—— Cuba.

Cuerpo de veterinaria militar del Ejército constitucional. Rev. san. mil., Habana, 1941, **5**: 223–32.

—— Finland.

Veterinary institutions in Finland; the Army Veterinary Corps. Vet. Bull., Wash., 1936, 30, **2**: 139–46.

—— France.

Décret impérial portant fixation du cadre des vétérinaires militaires. J. méd. vét., Lyon, 1855, **11**: 189.—**Inauguration** d'une plaque à la mémoire des anciens élèves de l'Ecole vétérinaire de Lyon morts pour la France au cours de la guerre 1939–1945. Rev. méd. vét., 1948, **11**: 323.—**Règlement** concernant les attributions et les devoirs des vétérinaires militaires. J. méd. vét., Lyon, 1852, **8**: 374–83.—**Rey, A.** De la loi sur les vétérinaires militaires. Ibid., 1851, **7**: 174–6. ——— Des vétérinaires militaires. Ibid., 322–32.—**Vivien.** Les vétérinaires militaires français; leur histoire, leur oeuvre. Bull. Acad. vét. France, 1936, **9**: 494–522.

—— Germany.

Germany. Heer. Veterinäroffizier-Ergänzungs-Bestimmungen. 8p. 15½cm. Berl. [after 1919]

Magerl. Bayerische Militär-Veterinäre und ihre Organisation von 1802 bis 1914. Münch. tierärztl. Wschr., 1937, **88**: 469; 483.

—— Great Britain.

Army Veterinary Corps in England. North Am. Vet., 1944, **25**: 667–70.—**Henry, M.** Some impressions of an Australian veterinarian in England and Scotland. J. R. Army Vet. Corps, 1939, **10**: 65–8.—**Lüders, L.** Die Regiments-Pferdeärzte der

Deutschen Legion des Königs von England, 1803 bis 1816. Cheiron, Lpz., 1936, **8**: 112–8.

—— Hungary.

Kovács, S. [How to provide for the Veterinary Medical Corps] Állatorv. lap., 1938, **61**: 48–50.

—— Italy.

Malvicini, A. Il Corpo veterinario militare. In: Annuario vet. ital., Roma, 1934–35, 120–44.—**Pel** Corpo Veterinario Militare (lettera aperta al Grand'Ufficiale Prof. Giovanni Mazzini, Torino) Gior. med. vet., 1927, **76**: 625–31.

—— Jugoslavia.

Cimic, V. Le vétérinaire militaire Yougoslave; son histoire. Rev. vét. mil., Par., 1932, **16**: 473–81.

—— Romania.

Marinov, D. I. [Abstract from the new code of military law with reference to military veterinary profession] Rev. vet. mil., Bucur., 1937, **8**: 100–16.

—— Spain.

Sanz Egaña, C. Cuerpo de Veterinaria militar. In his Hist. vet. españ., Madr., 1941, 337–42.

—— Sweden.

Sweden. Arméförvaltningen. Oeverfält-veterinären. Veterinärvård vid armén. Stockh. (1937) 1938–

—— United States.

Merillat, L. A., & Campbell, D. M. Veterinary military history of the United States; with a brief record of the development of veterinary education, practice, organization and legislation. 2v. 1172p. 8°. Chic., 1935.

Army Veterinary Corps. North Am. Vet., 1940, **21**: 619.—**Crawford, E. M.** The role of the Veterinary Corps in the U. S. Army, with emphasis on meat and dairy inspection. Austral. Vet. J., 1942, **18**: 212; 251.—**Hershberger, F. C.** History of the United States Army Veterinary Corps. Cornell Vet., 1944, **34**: 52–64.—**Holycross, F. L.** What of the future? Vet. Bull., Wash., 1938, **32**: 54–9.—**Kelser, R. A.** The Army Veterinary Corps. Cornell Vet., 1944, **34**: 173–82. ——— A profissão veterinária e a guerra; Veterinary Corps, Exército dos Estados Unidos; breve relatório da sua missão de guerra. Rev. mil. remonta vet., Rio, 1947, **9**: No. 51, 30–4.—**McKim, O. E.** The Veterinary Corps; its origin, functions and importance. Mil. Surgeon, 1936, **78**: 204–11.—**Menges, R. W.** Veterinary Corps in the Mojave Desert. J. Am. Vet. M. Ass., 1944, **104**: 318–21.—**Merillat, L. A.** Veterinary Corps, Army of the United States. Cornell Vet., 1944, **34**: 195–8.—**Notes** on veterinary personnel. Vet. Bull., Carlisle, 1941, **35**: 268–75.—**Veterinary** (The) Corps. Bull. U. S. Army M. Dep., 1943, No. 69, 19.

VETERINARY equipment.

See also under **Equipment.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 488/7: Truppen-Verwaltungsvorschrift. Teil 7: Veterinär- und Fahnenschmiedegerät, vom 15. Dezember 1921. 31p. 19½cm. Berl., 1921.

Jones, T. C. A combined autopsy platform and incinerator. Army Vet. Bull., 1942, **36**: 275–80.—**Laboratory,** veterinary, field, type 1938. Jap. M. Material Rep., 1946, No. 197, 1–14.—**Note** ministérielle relative aux médicaments, ustensiles de pharmacie et objets de pansement que les conseils d'administration des corps de troupes à cheval sont autorisés à tirer des hôpitaux militaires pour le service des infirmeries vétérinaires. J. méd. vét., Lyon, 1855, **11**: 79–88.—**Plunkett, J. J.** Ensilage for horses. J. R. Army Vet. Corps, 1942–43, **14**: 78–80.

VETERINARY hospital.

See under **Hospital; Hospitalization.**

VETERINARY inspection.

See **Food inspection,** Organization.

VETERINARY medicine.

See also **Journals; Ophthalmology,** veterinary; **School,** veterinary; **Tactics,** medical; **Veterinary surgery.**

United States. Army. Surgeon-General's Office. Veterinary Division. Books on veterinary medicine and related topics. 36p. 35cm. Wash., 1946.

Bakker, T., & Steele-Bodger, H. W. Preventive medicine on the farm. Vet. Rec., Lond., 1942, **54**: 459–66.—**Benitez G., C.** A medicina veterinária e o Exército. Rev. mil. remonta vet., Rio, 1946, **8**: No. 50, 30.—**Cabral de Lacerda, S.** Medicina veterinaria e orientação constitucionalistica. Rev. mil. med. vet., Rio, 1938, **1**: 323–7.—**Goerttler, V.** Veterinary Institute, University of Jena. CIOS Rep., Lond., 1945, Item 24, No. XXVI–23, 25–8.—**Gomes da Silva, C.** Que é medicina veterinária? Rev. mil. remonta vet., Rio, 1945, **7**: No. 49, 5–7.—**Lucam, F., & Hayri Sözen** [Rôle of protective therapy in veterinary medicine] Askerî vet. mecmuası, 1940, **18**: 314–33.—**Nikolsky, N.** Veterinarija voennaja. In: Bolsh. med. encikl., 1928, **4**: 788–96.—**Torgoud** [La méthode comparative en médecine générale] Rev. méd. vét. mil., Istambul, 1926, **4**: 116–21.—**Veterinary** aspects of public health. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 24, 10.

—— Congresses and committees.

Congresso (O 13°) internacional de medicina veterinaria em Zurich e a representação do Serviço veterinario do exercito do Brasil. Rev. mil. med. vet., Rio, 1938, **1**: 167–78.—**International** (XIV) veterinary congress. J. R. Army Vet. Corps, 1949, **20**: 47–9.—**Proceedings,** war conference and 80th annual meeting American Veterinary Medical Association, St. Louis, August 25–26, 1943. J. Am. Vet. M. Ass., 1943, **103**: 234–61.—**Soutar, J. J. M.** The Thirteenth International Veterinary Congress. J. R. Army Vet. Corps, 1939, **10**: 3–8.—**Yosimura, Kobayasi** [et al.] Kaku-ka ryōiki ni okeru gunzin zyūigaku wo kiku [Army veterinary science in all fields] Rikugun zyūidan hō, 1942, 1281–9.

—— Experiences.

Barros, E. M. de. Fluxão periódica. Rev. mil. remonta vet., Rio, 1946, **8**: No. 50, 3–6.—**Bauer.** Bemerkenswerter Fall aus der veterinärärztlichen Truppentätigkeit. Zschr. Veterinärk., 1935, **47**: 145–7.—**Bessim.** [Le diagnostic différentiel et les traitements des coliques et des douleurs] Rev. méd. vét. mil., Istambul, 1926, **4**: 193; 225.—**Cortez, E.** As bases práticas da inseminação artificial nos equinos. Rev. mil. remonta vet., Rio, 1946, **8**: No. 50, 13–8.—**Djevad.** [Diagnostic des symptomes de maladies à l'aide des positions articulaires] Rev. méd. vét. mil., Istambul, 1926, **4**: 204–9.—**Jolly, D. W.** Some experiences of a veterinary officer. J. R. Army Vet. Corps, 1943–44, **15**: 95–7.—**Kelsall, S.** Some aspects of my work with the U. S. Bureau of Animal Industry and the U. S. Army. Vet. Rec., Lond., 1942, **54**: 319.—**Ohsyū** zairyō ni yoru zyūi sizai no kōan riyō ni tuite [The devising of materials useful to the veterinarian from confiscated property] Rikugun zyūidan hō, 1942, 1024–9.—**Schoening, H. W.** War and postwar disease control problems. J. Am. Vet. M. Ass., 1944, **104**: 129–32.—**Silva, C. G. da.** Contribuição ao estudo do cavalo Bretão Postier no Brasil; alimentação. Rev. mil. remonta vet., Rio, 1946, **8**: No. 50, 7–12.—**Townsend, C. H. S.** Extracts from the diary of a veterinary officer in the M. E. F. and C. M. F. J. R. Army Vet. Corps, 1946–47, **18**: 51–3.—**Winsser, J.** Ervaringen in cen kleine-huisdierenpractijk gedurende de oorlogsjaren. Tschr. diergeneesk., 1946, **71**: 752–4.

—— History.

Army (Some) veterinary history. J. Am. Vet. M. Ass., 1942, **100**: 115.—**Brands, C.** [Military veterinary practice during the last 25 years] Tschr. diergeneesk., 1937, **64**: 1100–8.—**Henry, M.** Notes of a veterinary officer with the A. I. F. (1914–19) Austral. Vet. J., 1929, **5**: 149; passim.—**Odou, W. D.** Memoirs of service with the Allied riding teams. J. Am. Vet. M. Ass., 1939, **95**: 570.—**Rieck, W.** Krankenberichte des Potsdamer Marstallveterinärs Kleinert (1790) Deut. tierärztl. Wschr., 1943, **51**: 293–5.—**Sanz Egaña, C.** Veterinaria militar. In his Hist. vet. españ., Madr., 1941, 329–42.—**Todd, F. A.** Veterinary preventive medicine in civil affairs and military government (G–5) in Northwest Europe from D-Day to V-Day. Yale J. Biol., 1946–47, **19**: 563–9. Also J. Am. Vet. M. Ass., 1947, **110**: 209–12.—**Tuche.** Als Veterinär im Lager des Feindes vom 28.–30. September 1905. Zschr. Veterinärk., 1937, **49**: 62–6.

—— Manual.

See also **Journals.**

Peru. Ministerio de Guerra. Servicio veterinario del Ejercito. Manual del mariscal herrador y enfermero veterinario. 112p. 21cm. Lima, 1938.

Tazaki, T. Zyūi-zairyōgaku. Rev. ed. [The science of materials for veterinary medicine] v. p. [59]p. 22cm. Tōkyō, 1940.
Forms No. 2, Zyū-kō kyō.

—— Gun-yō dōbutu kangogaku [Science of the care of animals for military use] 220p. 22cm. Tōkyō, 1940.
Forms No. 3, Zyū-kō kyō.

—— Progress.

Kester, W. O. The present and future aspects of military veterinary medicine. Mil. Surgeon, 1948, **102**: 107–11. Also North Am. Vet., 1948, **29**: 19.—**Petensen, O.** Viagem à Europa; estudos militares veterinarios. Rev. mil. med. vet., Rio, 1938, **1**: 123–38.

—— Therapeutics.

Amaral Rogick, L. O oleo de figado de cacao, substituto do de bacalhau, na medicina e na veterinaria do Exército. Rev. mil. remonta vet., Rio, 1943–44, **6**: No. 44, 89–95.—**Hayward, A. H. S.** Action of stilboestrol in cases of anoestrus and suboestrus in buffaloes. J. R. Army Vet. Corps, 1947–48, **19**: 67–71.—**Hickman, J.** Some drug idiosyncrasies encountered in thoroughbreds. Ibid., 1940–41, **12**: 85.

—— in wartime.

Dalling, T. Duties associated with war. Vet. J., Lond., 1942, **98**: 183.—**Lacroix, J. V.** The effect of war on practice. North Am. Vet., 1942, **23**: 373–5.—**Mohler, J. R.** Veterinary resources as aids to victory. J. Am. Vet. M. Ass., 1942, **101**: 377–82.—**Olver, A.** Animal disease and veterinary aid in the war effort. Vet. Rec., Lond., 1941, **53**: 655.—**Veysi Boragan & Nureddin Erdogu** [Application of modern methods in future wars] Askerî tibbi baytarî mecmuası, 1937, **14**: 273–92.—**Welsh, M.** Modern war and farm-animal diseases. J. Am. Vet. M. Ass., 1943, **102**: 1–6.—**Wickard, C. R.** Healthy livestock are essential for maximum food production. Ibid., 253.—**Woolridge, W. R.** Veterinary science has war job. Ibid., 335–7.

VETERINARY pathology.

See also under **Pathology.**

Itikawa, O. Bankin ni okeru gunzin zyūibyōrigaku ryōiki no sūsei [Recent trends in the field of military veterinarian pathology] p.143–92. illust. tab. diagr. ch. 25cm. Tōkyō, 1942.
In: Rikugun zyūidan hō, 1942.

Establishment of Registry of Veterinary Pathology at the Army Institute of Pathology, Army Medical Museum, Washington, D. C. J. Am. Vet. M. Ass., 1944, **105**: 105.

VETERINARY school.

See under **School.**

VETERINARY service.

See also **Animal; Chemical warfare,** Defense, veterinary; **Civilian defense,** Veterinary aspect; **Embarkation; Epizootic; Food; Food inspection,** Organization; **Gas warfare** subheadings (Defense, veterinary; Organization) **Horse; Hospital,** veterinary; **Maneuvers,** veterinary; **Oyster; Remount service.**

Veterinary Medicine. Veterinary service in wartime. 112p. 26cm. Chic., 1942.

Butler, W. J. Veterinary service for the livestock industry in war time. Vet. Med., Chic., 1942, **37**: 455–8.—**Kelser, R. A.** Veterinary service in the defense effort. J. Am. Vet. M. Ass., 1941, **99**: 455–61. Also Mil. Surgeon, 1942, **90**: 266–72. ——— Veterinary service in the preparedness program. Vet. Med., Chic., 1941, **36**: 12–8.—**McKim, O. E.** The role of veterinary service in modern warfare. Mil. Surgeon, 1938, **83**: 420–6. Also J. Am. Vet. M. Ass., 1939, **95**: 15–21. Also J. R. Army Vet. Corps, 1939, **10**: 52–7.—**Santagostina, A. F.** Condições que deve reunir o cavalo para o exército; meios para a sua obtenção. Rev. mil. remonta vet., Rio, 1946, **8**: No. 50, 28–30.—**Thomsen, A.** Meddelelse fra Haerens veterinaere Røntgenklinik i Danmark. Förhandl. Nord. vet., 1921, 2. meet., 304–21, illust.—**Wight, A. E.** The veterinary service is prepared to function in war or peace. J. Am. Vet. M. Ass., 1941, **99**: 177–87.

—— field.

See also **Remount.**

Henry, M. Veterinary services in the field. Austral. Vet. J., 1928, **4**: 3–10.—**Kingston, J. S.** No. 6 Indian Field Veterinary Hospital. J. R. Army Vet. Corps, 1946–47, **18**: 46–50.—**Kreyembielh, J.** Servicio veterinario en campaña. An. san. mil., B. Air., 1904, **6**: 584; 695.—**Seeley, B. A.** Veterinary field service. Vet. Bull., Wash., 1932, **26**: 309.

—— by countries.

Icelanders appreciate aid of American Veterinary Corps. J. Am. Vet. M. Ass., 1943, **103**: 170–4.—**McNellis, R.** A brief sketch of the Veterinary Service of the Chilean Army. Vet. Bull., Wash., 1937, **31**: 22–5.—**Polding, J. B.** The future development of the field veterinary services in India. Current Sc., Bangalore, 1944, **13**: 89–93.—**Van der Burg, W.** Bestaan er goede gronden voor een nog langere handhaving van het koninklijk besluit, waarbij het aan de militaire paardenartsen verboden is particuliere praktijk bij het vee uit te oefenen? Tschr. veeartsenijk., 1907–08, **35**: 705–23. ——— Het Geneeskundig laboratorium te Weltevreden en de militair veterinaire dienst bij het indische leger. Meded. Geneesk. laborat. Weltevreden, 1917, Feestb., 64–80.

—— by countries: Brazil.

Instruções sobre policia sanitaria animal. Rev. mil. med. vet., Rio, 1938, **1**: 266–71.—**Legislação** militar veterinaria; classificação e padronisação do material veterinario do Exército. Ibid., 238–65.—**Pimentel, W.** Historia e organisação do Serviço veterinario do Exército. Ibid., 3; passim.

—— by countries: Canada.

Cameron, A. E. War and the Health of Animals Division. Canad. J. Comp. M., 1942, **6**: 46–9.—**Gendreau, L. A.** Notre effort de guerre. Ibid., 1943, **7**: 9–12.

—— by countries: China.

Eberbeck. Zwei Jahre Lehrer an der Heeres-Veterinär-Akademie (Army Veterinary College) in Peking. Deut. tierärztl. Wschr., 1936, **44**: 158–62.—**Woo, C. T.** Veterinary medicine in China; need for veterinarians. Army Vet. Bull., 1943, **37**: 260–3.

—— by countries: Cuba.

Luna y Cortiñas, B. Veterinaria militar cubana. Rev. san. mil., Habana, 1937, **1**: No. 2, 71–4.—**Veterinary** service of the Cuban Army. Vet. Bull., Wash., 1937, **31**: 332–4.

—— by countries: Czechoslovakia.

Chládek, V. [Requirements for veterinary police] Voj. zdrav. listy, 1937, **13**: 250–8. ——— Uvahy o výcviku s hlediska veterinářské služby. Ibid., 1948, **17**: 354–6.—**Sistek, M.** [Report on the activity of the military veterinary laboratory in Uzhorod] Ibid., 1930, **6**: 56–61.

—— by countries: France.

France. Armée. Service vétérinaire. Statistiques vétérinaires de l'Armée pour l'Intérieur, l'Algérie, la Tunisie, le Maroc et le Levant. Par. (1922–37) 1924–39.
Title varies.
In Nos. of Rev. vét. mil., Par.

Autonomie (Pour l') du Service vétérinaire dans l'Armée. Rev. vét., Toulouse, 1920, **72**: 701–3.—**Bocquet, H., & Devautour, J.** Historique du Service vétérinaire de l'Armée. Rev. vét. mil., Par., 1947, **2**: 293–305, 9 pl.—**Carpentier, G.** Rapport sur les travaux du Laboratoire militaire de recherches vétérinaires pendant l'année 1933; 1934. Ibid., 1934, **18**: 105; 1935, **19**: 89.—**Daille, A.** Documents officiels parus depuis la déclaration de guerre concernant la profession vétérinaire. Rev. vét., Toulouse, 1920, **72**: 101–5.—**Descazeaux.** Rapport sur les travaux du Laboratoire militaire de recherches vétérinaires pendant l'année 1938. Rev. vét. mil., Par., 1939, **23**: 69–77.—**Leclainche, M. E.** Remarks on the French Army Veterinary Service. Vet. J., Lond., 1917, **73**: 231–4.—**Médecine** vétérinaire militaire. J. méd. vét., Lyon, 1846, **2**: 161–6.—**Soulie.** Rapport sur le fonctionnement du Laboratoire de recherches du Service vétérinaire des troupes du Levant pendant l'année 1934; 1935. Rev. vét. mil., Par., 1935, **19**: 113; 1936, **20**: 97.—**Urbain.** Rapport sur les travaux du Laboratoire militaire de recherches vétérinaires pendant l'année 1929. Ibid., 1930, **14**: 70–9.—**X.** Pour l'autonomie du Service vétérinaire dans l'Armée. Rev. vét., Toulouse, 1920, **72**: 47–9.

—— by countries: Germany.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 56/1: Kriegsveterinärvorschrift; Organisation und Aufgaben des Kriegsveterinärdienstes [Reprint] 78p. 15cm. Berl., 1944.

—— H. Dv. 56/2: Kriegsveterinärvorschrift; Dienstanweisungen für Veterinärdienste. 130p. 15cm. Berl., 1940.

—— H. Dv. 56/7: Kriegsveterinärvorschrift; veterinärdienstliche Buchführung und Berichterstattung; Muster. 129p. 15cm. Berl., 1941.

—— H. Dv. 57: Heeresveterinärvorschrift vom 6. April 1932. Hierzu Anhang I mit Atlas,

Anhang II und III. 141p. 21cm. Berl., 1932.

Germany. Reichsheer. Veterinäruntersuchungsamt. Statistischer Veterinärbericht über das Reichsheer. Berl. (1920–33) 1922–35.

Anordnung für die Kriegszeit Nr. 1 des Reichstierärzteführers. Vorschr. Sächs. Vet., 1939, **34**: 151.—**Anordnung** für die Kriegszeit Nr. 4 des Reichstierärzteführers. Ibid., 163.—**Baschung.** Statistiques vétérinaires de l'armée allemande, 1933; pourcentage des entrées et des pertes dans les différents groupes de maladie. Rev. vét. mil., Par., 1936, **20**: 347–58.—**Betzler, M.** Der Heeresveterinärdienst. Deut. tierärztl. Wschr., 1939, **47**: 623–6.—**Fliegeralarm,** Passierscheine für Tierärzte. Vorsch. Sächs. Vet., 1941, **36**: 5.—**G. A. F.** animals and veterinary services. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 11 i, 1–42.—**Ohmke.** Die Beziehungen zwischen der Berliner veterinärmedizinischen Fakultät und dem Heeres-Veterinärwesen. Berl. tierärztl. Wschr., 1940, 315–20.—**Richters, C. E.** Veterinärdienst im Luftschutz. Gasschutz, 1934, **4**: 6–13, illust.—**Trenkler, K.** Das Heeresveterinärwesen auf der Wehrmacht-Anstellung 1941 in Königsberg-Pr. Zschr. Veterinärk., 1942, **54**: 102–9.—**Wilkins, J. H.** The Veterinary and Remount Services of the German Army. J. R. Army Vet. Corps, 1950, **21**: 12–9, illust.

—— by countries: Great Britain.

Great Britain. Army Veterinary Department. Animal management. 1908. Reprint. 368p. 15½cm. Lond., 1916.

Development (The) of overseas veterinary services. Vet. Rec., Lond., 1940, **52**: 678.—**Evolution** of the Colonial Veterinary Service. Ibid., 867.—**Hickman, J.** Administrative history of the Veterinary and Remount Branch, 21st Army Group, on the continent. J. R. Army Vet. Corps, 1945–46, **17**: 66–9.—**Lapage, G.** Some aspects of British wartime veterinary research. J. Am. Vet. M. Ass., 1945, **106**: 204–10.—**McCunn, J.** For the benefit of the state. Vet. J., Lond., 1941, **97**: 278–82.—**McGuire, B. B.** Back to Europe. J. R. Army Vet. Corps, 1943–44, **15**: 84–6.—**Ritchie, J. N.** War-time achievements of the British Home Veterinary Services. Annual Rep. Nat. Vet. M. Ass. Gr. Britain, 1946, 70.—**Short, G. V.** The Veterinary Services, British Military Administration, Malaya. J. R. Army Vet. Corps, 1946–47, **18**: 23–8.—**Simmons, R. J.** A colonial veterinary department in peace and in war. Vet. J., Lond., 1943, **99**: 107–10.—**Statistical** and general report, Army Veterinary Services, 1933–34. Vet. Rec., Lond., 1934, **14**: 1175.—**Steele-Bodger, H. W.** War-time achievements of the British Home Veterinary Services. Annual Rep. Nat. Vet. M. Ass. Gr. Britain, 1946, 72.—**Wells, E. A.** Extracts from a report on meat inspection at Nairobi abattoir. J. R. Army Vet. Corps, 1949, **20**: 116–8.

—— by countries: Mexico.

Mardigal Yañez, J. M. Sección de medicina veterinaria. Mem. Convenc. méd. mil. mex., 1936, 299–305.

—— by countries: Morocco.

Martin. Une réalisation du temps de guerre du Service vétérinaire des troupes du Maroc et de l'Institut Pasteur de Casablanca. Maroc méd., 1947, **26**: 232.—**Velu, H.** Rapport sur le fonctionnement du Laboratoire de recherches vétérinaires des troupes du Maroc pendant l'année 1935. Rev. vét. mil., Par., 1936, **20**: 87–95. —— Extrait du rapport sur le fonctionnement du Laboratoire de recherches vétérinaires des troupes du Maroc pendant l'année 1936. Ibid., 1937, **21**: 83–8.

—— by countries: Norway.

Colbjornsen, J. M. S. Livestock in wartime Norway. J. Am. Vet. M. Ass., 1944, **105**: 185–8.

—— by countries: Romania.

Bucică, I. [Report of the Military Veterinary Service for 1935] Rev. vet. mil., Bucur., 1936, **7**: 531–60.—**Hikmet Sezer** [On the status of veterinary medicine in Roumania] Askerî tibbi baytarî mecmuasi, 1936, **13**: 268–82.

—— by countries: Russia.

Bocquet. Le Service Vétérinaire de l'Armée soviétique. Rev. vét. mil., Par., 1947, **2**: 143–6. Also Turkish transl., Askerî vet. mecmuasi, 1948, **26**: No. 163, 52–5.—**Chládek, V.** Veterinářská služba v Rudé armádě. Voj. zdrav. listy, 1949, **18**: 283–90.—**Cingovatov, V. A.** [Problems of veterinary medicine during the present war] Veterinaria, Moskva, 1942, No. 6, 1–3.—**Motylev, B. G.** [The aims of veterinary service] Sovet. vet., 1939, **16**: No. 7, 5.—**Shur, I.** Veterinarno-sanitarnyj nadzor. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 698–701.—**Speyer, N.** Voenno-veterinarnaja služba. Ibid., 846–58.

—— by countries: Spain.

Medina García & Sáenz de Pipaón, M. Importancia de los servicios veterinarios en el Ejército. Congr. internat. med. pharm. mil., Madr., 1933, 7. Congr., **1**: 135–67.

—— by countries: Switzerland.

Collaud, L. Das schweizerische Militär-Veterinärwesen. Schweiz. Arch. Tierh., 1945, **87**: 36–8. —— Le Service vétérinaire dans l'Armée suisse. Méd. & hyg., Genève, 1947, **5**: 193.

—— by countries: Turkey.

Arkun, H. Veteriner tabiyesi meselesi (1/800.000 Ankara paftasından) [Veterinary tactical problems] Askerî vet. mecmuasi, 1948, **26**: 48–51, map.—**Reşat S. Akün** [Bacteriological laboratory at the hospital of the Society for the care of animals] Askerî vet. mecmuasi, 1940, **18**: No. 144, 32–40.

—— by countries: United States.

Merillat, L. A., & Campbell, D. M. Veterinary military history of the United States; with a brief record of the development of veterinary education, practice, organization and legislation. 2 vols. 1172p. 8° Chic., 1935.

United States. War Department. Army Regulations No. 40–2055; Medical Department; Veterinary service, ports of embarkation and debarkation. 3p. 8° Wash., 1922.

—— No. 40–2075. Physical examinations of animals. 10p. 8° Wash., 1922.

—— No. 40–2145. Material for veterinary laboratory examination. 8p. 8° Wash., 1921.

—— No. 40–2150. Veterinary meat and dairy hygiene, general. 3p. 8° Wash., 1921. Also another edition. 1p. 8° Wash., 1931.

—— No. 40–2225. Veterinary inspections of establishments. 3p. 8° Wash., 1921.

—— No. 40–2240. Veterinary statistical reports. 5p. 8° Wash., 1928.

—— No. 40–2245. Register and report of sick and wounded animals. 2p. 8° Wash., 1925. Also another edition. 2p. 8° Wash., 1928.

—— No. 40–2245. Register, veterinary report of sick and wounded animals, and statistical report. 23p. 8° Wash., 1934.

—— No. 40–2250. Veterinary diagnostic nomenclature. 15p. 8° Wash., 1921.

—— No. 40–2265. Physical examination of animals, record and report. 4p. 8° Wash., 1922.

—— No. 40–2270. Veterinary health certificate and memorandum. 3p. 8° Wash., 1922. Also another edition. 1p. 8° Wash., 1926.

Alling, E. E. Veterinary Service; EUCOM. Med. Bull. Europ. Command, 1949, **6**: No. 4, 56–8.—**Arundel, H. F.** The Veterinary Services of the United States Army. Vet. Rec., Lond., 1944, **56**: 217.—**Campbell, D. M.** Veterinary Service at an Army post. Mil. Surgeon, 1944, **95**: 15; passim. Also Vet. Med., Chic., 1944, **39**: 81–7.—**Carpenter, P. T.** Problems incident to the receipt, processing, quarantine, and issue of purchased animals at Fort Robinson, Nebraska. Vet. Bull., Carlisle, 1939, **33**: 51–4.—**Derrick, J. D.** Veterinary inspection for the regular Army and the C. C. C. Ibid., 171–93.—**Experiences** in Army Veterinary Service. Vet. Med., Chic., 1945, **40**: 241–4.—**Foster, R. J.** Inspection service of quartermaster supplies by the Veterinary Corps. Vet. Bull., Wash., 1938, **32**: 19–32.—**Franklin, A. V.** Achievements of the Army Veterinary Services during the war. Vet. Rec., Lond., 1945, **57**: 540–2.—**Functions** of the Army Veterinary Service. Vet. Med., Chic., 1942, **37**: 281–5.—**Functions** of the Army Veterinary Service, U. S. A. J. R. Army Vet. Corps, 1942–43, **14**: 76–8.—**Harker, P.** Visit to veterinary hospital; the Army still has Hosses. Ibid., 107.—**Hock, L. A.** Another phase of Army Veterinary Service. Vet. Bull., Wash., 1941, **35**: 193–6.—**Jennings, W. E.** Problems that will confront the Veterinary Service of the United States Army in the event of another war. Cornell Vet., 1949, **39**: 136–45.—**Jones, T. C.** Research in animal diseases at the Veterinary Research Laboratory, Army Remount Depot, Front Royal, Virginia. Mil. Surgeon, 1945, **96**: 310–4.—**Kelsall, S.** Some aspects of my work with the United States Bureau of Animal Industry and the United States Army. J. Am. Vet. M. Ass., 1942, **101**: 469–71.—**Kelser, R. A.** The Army Veterinary Service. Ibid., 1943, **103**: 357–63.—**Kester, W. O.** Activities of the first Veterinary Troop. Vet. Bull., Wash., 1936, **30**: 37–40. —— The veterinary leading apparatus in operation. Ibid., No. 2, 132–4. —— One hundred and fifty mile endurance ride. Ibid., 1937, **31**: 263–9.—**McCallam, J. A.** The Army Veterinary Service. J. Am. Vet. M. Ass., 1946, **109**: 341–6. —— Developments affecting the Army Veterinary Service. Ibid.,

1948, 112: 99–104. ——— Class 3 inspection and veterinary personnel. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 113–26. ——— The Army Veterinary Service. North Am. Vet., 1949, 30: 156–9.—**McCornack, R. C.** What the U. S. Army did for the veterinary profession. Ibid., 1947, 28: 15–8.—**McKim, O. E.** The service of the Veterinary Corps in the motorized combat armies. Mil. Surgeon, 1936, 79: 470–6.—**Merillat, L. A., & Campbell, D. M.** Veterinary military history of the United States. Vet. Rec., Lond., 1936, 16: 221; 245; 288.—**Miner, J. W.** Veterinary activities in a remount area. Vet. Bull., Carlisle, 1939, 33: 43–6.—**Noonan, J. E.** Exhibits portray veterinary military activities. J. Am. Vet. M. Ass., 1942, 101: 306.—**Randall, R.** Wartime Army medical laboratory activities; wartime activities of the Army veterinary laboratories. Am. J. Pub. Health, 1947, 37: 829–35.—**Todd, F. A.** Veterinary laboratory service in the U. S. Zone of Germany. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 4, 58–65.—**Veterinary** (The) service. In: Med. Dep. U. S. Army in the World War, Wash., 1925, 8: 287–9.—**Veterinary** service. Bull. U. S. Army M. Dep., 1946, 5: 134.—**Veterinary** service within the Military District of Washington. Month. Health Rep. Mil. Distr. Washington, 1948, 1: No. 3, 10.—**Waters, F. C.** Veterinary inspection of meat, meat foods and dairy products consumed by the Army. J. Am. Vet. M. Ass., 1942, 100: 301–4.—**Young, W. A.** The American Red Star Animal Relief and wartime practices of veterinary medicine. North Am. Vet., 1942, 23: 367–73.

—— by countries: United States: Air Force.

Todd, W. C. The Army veterinary service for the Army Air Forces at Mitchel Field, N. Y. J. Am. Vet. M. Ass., 1944, 105: 385–90.

VETERINARY surgery.

See also **Veterinary medicine.**

Lagaillarde. Appareil pour la contention du cheval couché. Rev. vét. mil., Par., 1937, 21: 373–7.—**Maior, I.** [Practical contrivance for restraint and placement of the horse] Rev. vet. mil., Bucur., 1937, 8: 17–29.—**Souza, C. C. de.** Circuncisão prepucio. Rev. mil. remonta vet., Rio, 1946, 8: No. 50, 19.—**Tagg, J.** A few quittor cases operated upon during the Great War. Vet. J., Lond., 1935, 91: 278–80.

VETERINARY technician.

United States. Army. Medical Field Service School. Technical information for enlisted personnel, veterinary service. 230p. 8° Carlisle Barracks, 1926.

VIAL.

See also **Glass and glassware.**

Morhouse, C. H., Hetherington, A. W. [et al.] Testing of ampins (automatic ampule injectors) 2p. 26cm. Randolph Field, 1948.

Forms Proj. No. 21–02–098, U. S. Air Force School Aviat. M.

Morhouse, C. H. Service testing of automatic ampule injectors. Q. Res. Rep. U. S. School Aviat. M., 1948, July, 27.—**Preparation** (The) and storage of medicinal ampoules in use in the naval and military medical services. U. S. Dep. State Conf. Ser., 1933, 12: 111–21.—**Schlack, C. A., & Howell, S. R.** Tests on the prevention of fracture of glass containers due to freezing of their liquid contents. U. S. Nav. M. Bull., 1947, 47: 857–60.—**Tanaka, K.** Yakubin oyobi ampule glass no yūrialkali ni tuite [On the free alkali of the glass in ampules and vials] Gun idan zassi, 1929, Suppl., 757–78, illust.—**Yeager, J. W.** Dropper bottles. Hosp. Corps Q., 1944, 17: No. 6, 164.

VIBRATION.

See also under **Pulpa; Ultrasound.**

Crook, M. N., Harker, G. S. [et al.] Effect of vibration on legibility of tabular numerical material; experiments 8 and 9. 18 l. 27cm. Dayton, 1948.

Forms No. MCREXD–694–1Q, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Amplitude thresholds for visual perception of vibration. 17 l. 27cm. Dayton, 1948.

Forms No. MCREXD–694–1R, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Edwards, D. A. W. Report on subjective sensations recorded by an observer exposed to high intensity airborne vibrations with notes on other physiological effects. 11p. 32½cm. Lond., 1948.

Forms F. P. R. C. No. 688a, Gr. Britain Flying Pers. Res. Com.

—— First report on the effect of high intensity vibrations on some animals. 10p. 32½cm. Lond., 1948.

Forms F. P. R. C. No. 688b, Gr. Britain Flying Pers. Res. Com.

—— Notes on the physical principles involved in the effects of vibrations of various frequencies on personnel. 13p. 32½cm. Lond., 1948.

Forms F. P. R. C. No. 688c, Gr. Britain Flying Pers. Res. Com.

Goldman, D. E. A review of subjective responses to vibratory motion of the human body in the frequency range 1 to 70 cycles per second. 17p. 26½cm. Bethesda, 1948.

Forms Rep. No. 1, Res. Proj. NM 004 001, U. S. Nav. M. Res. Inst.

—— The effect of mechanical vibration on the patellar reflex of the cat. 4p. 26½cm. Bethesda, 1948.

Forms Rep. No. 2 of preceding Res. Proj.

Reiher, H., & Meister, F. J. The sensitiveness of the human body to vibrations. 15p. 27½cm. Wright Field, 1946.

Forms No. F–TS–616–RE, Transl. Materiel Com. U. S. A. F.

Aero-medical research; basic studies on vibration. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 111, 1–7.—**Davis, H.** Vibration and its physiological effects. Med. News Lett. Aviat. Suppl., Wash., 1947–48, 9: No. 8, 1–4.—**Effect** (The) of mechanical vibration on the patellar reflex of the cat. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 4.—**Effects** of vibration. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 32.—**Epstein, J.** Vibratory sensibility; methods of ascertaining and diagnostic value. U. S. Veterans Bur. M. Bull., 1928, 4: 418–25.—**Goldman, D. E.** The effect of mechanical vibration on the knee jerk of the cat. Sympos. Mil. Physiol., Wash., 1947, 187–9.—**Jacobsen, L. S.** Dynamics of structural vibrations. Research Rev. (U. S. Navy) 1949, Apr., 22–6.—**Physiological** effects of the intermittent blasts, periodic blasts and supersonic vibrations of high energy contents. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 2a, 1.—**Reissmann, K., Dessaga, H.** [et al.] Physiological effects of intermittent blasts, periodic blasts and supersonic vibrations of great energy. CIOS Rep., Lond., 1945, Item 24, No. XXVI–56, 70–2.—**Review** (A) of subjective responses to vibratory motion of the human body in the frequency range 1 to 70 cycles per second. Summaries Res. U. S. Nav. M. Res. Inst., 1948, 3.

VICHY.

See also under **Occupied area**—by regions: France; also **World War II.**

Fleming, J. Medicine under Vichy. Glasgow M. J., 1944, 142: 65–80.—**Health** and sanitation in Vichy. J. Am. M. Ass., 1943, 123: 161.—**Kandel, I. L.** The Vichy Government and education in France. Bull. Am. Ass. Univ. Professors, 1941, 27: 88–91.

VICTIM.

See **War victim.**

VIEWING box.

See **Radiograph,** Processing.

VILLMERGER war (1712)

See under **Wars and campaigns.**

VINCENT infection.

See also **Gingivitis.**

Army (The) and Vincent's ulceration. Brit. Dent. J., 1942, 72: 1–5.—**Brooks, F. R., & Wilson, W. A.** A practical approach to the problem of Vincent's infection in the armed services. J. Am. Dent. Ass., 1944, 31: 640–5.—**Chace, R.** The prevention of recurrent Vincent's infection. Bull. U. S. Army M. Dep., 1945, 4: 489.—**Crume, J. J.** Vincent's infection or trench mouth. Texas J. M., 1934, 29: 587–9.—**Cuthbert, J., & Williams, F. R. P.** Gingivo-stomatitis; with special reference to Vincent's gingivitis. J. R. Nav. M. Serv., 1943, 29: 115–22.—**Davis, W. R.** Vincent's infection (trench mouth) Michigan Pub. Health, 1935, 23: 204–6.—**Dillon, C.** Nutritional and other factors in trench mouth. Brit. Dent. J., 1943, 74: 242.—**Fain, H. G.** Vincent's stomatitis; its diagnosis, treatment, and prognosis. U. S. Veterans Bur. M. Bull., 1926, 2: 601–5.—**Foote, G. B.** Dental considerations of Vincent's infection. Mil. Surgeon, 1941, 88: 290–9.—**Frey.** The Army and Vincent's ulceration. Schweiz. Mschr. Zahnh., 1942, 52: 616.—**Hanawa,**

T., & **Yuguti, K.** Kōgai-han mahi wo tomonaeru Vincent-kōkyōen no iti rei [A case of Vincent's angina (ulceromembranous stomatitis) accompanied by paralysis of the velum palatinum] Kaigun gun ikai zassi, 1944, **33**: 787.—**Hester, W. R.** Effects of altitude on Vincent's stomatitis. Q. Res. Rep. U. S. School Aviat. M., 1948, Oct., 1; 1949, Jan., 1; Oct., 3.—**Karr, G. A.** Trench mouth. J. Ass. Mil. Dent. Surg. U. S., 1919, **3**: 66–8.—**Leigh, R. W.** Vincent's stomatitis. Mil. Surgeon, 1940, **86**: 588–91.—**Losee, F. L.** An informal report on fusospirochetosis. Ibid., 1946, **98**: 491–4.—**McAllister, K.** Nutritional and other factors in trench mouth. Brit. Dent. J., 1943, **74**: 270.—**McLean, D. W.** Vincent's infection, or trench mouth. Hygeia, Chic., 1935, **13**: 540.—**Malter, H. L.** Vincent's infection. Mil. Surgeon, 1944, **94**: 358–61.—**Mitchell, J. W.** Trench mouth. J. Florida M. Ass., 1928–29, **15**: 251–3.—**Rogers, J. A.** Stomatitis Vincent's. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, No. 50, 1.—**Rose, W. A.** Vincent's infection. Mil. Surgeon, 1940, **86**: 26–36.—**Short, W. H.** Vincent's disease. U. S. Nav. M. Bull., 1934, **32**: 467–87.—**Sickelmore, F. A.** The Army and Vincent's ulceration. Brit. Dent. J., 1942, **72**: 98.—**Sorrin, S.** Trench mouth. Hygeia, Chic., 1934, **12**: 157.—**Swayne, S. A.** Trench mouth. Trained Nurse, 1935, **94**: 126–8.—**Terzis, M. J.** Control of Vincent's infection. Mil. Surgeon, 1947, **101**: 123–5.—**Trench** mouth; a public health problem. Week. Bull. Oregon Bd Health, 1942, **20**: No. 37, 1–4.—**Vincent, H.** A historical note concerning ulcero-membranous angina from fuso-spirochetes (Bacillus fusiformis and Spirochacta vincenti) Mil. Surgeon, 1933, **73**: 17–9.—**Vincent's** infection. Bull. U. S. Army M. Dep., 1944, No. 81, 69.—**Warner, G. R.** Trench mouth. Oral Hyg., Pittsb., 1943, **33**: 970.—**White, J. S.** Vincent's infection. S. Barth. Hosp. J. War Ed., Lond., 1942–43, **4**: 16.

—— Incidence.

Domalle. A propos de l'apparition dans l'Armée de nombreux cas de gingivo-stomatite ulcéreuse. Bull. Soc. méd. mil. fr., 1945, **39**: 110–2.—**Fenske, E. L.** Report on an epidemic of Vincent's stomatitis at Fort Custer, Michigan. Dent. Bull., Carlisle, 1941, **12**: 70.—**Janetos, D. S.** Trench mouth aboard a United States naval auxiliary vessel. U. S. Nav. M. Bull., 1944, **43**: 308–10.—**Quarles van Ufford, W. J.** Militair-hygiënische problemen in Indië; de ziekte van Plaut-Vincent. Ned. tschr. geneesk., 1947, **91**: 1218–23.

—— Treatment.

Allanach, F. G. A simplified treatment for trench mouth. Bull. Connecticut Dent. Ass., 1946, **23**: No. 2, 45.—**Allen, C. E.** Short-wave radiotherapy in Vincent's infection. U. S. Nav. M. Bull., 1936, **34**: 376–9, pl.—**Angelescu, G., & Bader, M.** [Ten cases of Plaut-Vincent angina treated with intramuscular injections of Quinby-soluble] Rev. san. mil., Bucur., 1934, **33**: 249–52.—**Christiansen, O. J.** A treatment for Vincent's stomatitis and Vincent's angina. Dent. Bull., Carlisle, 1939, **10**: 19.—**Fellows, A. T.** Treatment of Vincent's angina. U. S. Nav. M. Bull., 1943, **41**: 1733–5.—**Griffiths, R. H.** Vincent's stomatitis; a report based on the personal treatment of 175 cases in Army camps. Dent. Students Mag., 1945–46, **24**: No. 4, 25–8.—**Hirsch, F. G., & Spingarn, C. L.** The treatment of fuso-spirochetal infections of the mouth and throat with sulfathiazole. Mil. Surgeon, 1943, **93**: 299–301.—**Hoople, G. D.** A suggestion for treatment of Vincent's infection of the tonsils. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 46–8.—**Kâmil Ozen** [Chlorhydric acid in treatment of malignant ulcers of the mouth and ulcers in Vincent's angina] Askerî sihhiye mecmuasi, 1936, **65**: No. 13, 128–31.—**Klock, J. H.** The relation of medication to the treatment of fusospirochetal infections of the mouth. Mil. Surgeon, 1944, **95**: 42.—**Ludwick, W. E.** Evaluation of bismuth and arsenicals in the treatment of Vincent's gingivitis. U. S. Nav. M. Bull., 1944, **42**: 584–6.—**McAllister, K. M.** On the treatment and prevention of trench mouth. S. Afr. Dent. J., 1944, **18**: 159.—**McClarence, J. N.** Notes on the incidence and treatment of Vincent's disease of the gums. J. R. Nav. M. Serv., 1941, **27**: 396.—**Mari, R. A.** Estomatitis ulceromembranosa; tratamiento con penicilina local. Rev. pub. nav., B. Air., 1948, **1**: 415–20.—**Nizel, A. E., & Rubin, S.** Zinc peroxide's role in the treatment of Vincent's stomatitis. Mil. Surgeon, 1943, **93**: 49–54.—**Raus, E. E.** Ulceromembranous gingivitis; penicillin therapy in Vincent's disease. Hosp. Corps Q., 1949, **22**: 31.—**Ruhi** [Treatment of ulcero-membranous stomatitis by a 1:1000 solution of rivanol] Askerî sihhiye mecmuasi, 1933, **62**: 105–7.—**Schmidt, G., & Horwitz, S. A.** Penicillin mouthwash for treatment of Vincent's stomatitis. Bull. U. S. Army M. Dep., 1945, **4**: 591.—**Schneider, W.** Beiträge zur Frage der Behandlung der Stomatitis ulcerosa. Deut. Militärarzt, 1941, **6**: 432.—**Schuessler, C. F.** The effect of nicotinic acid on Vincent's stomatitis. Dent. Bull., Carlisle, 1941, **12**: 64–9.—**Selami Birgen.** Stomatite ulcéreuse lerinkit'a hayatinda pratik tedavileri. Askerî sihhiye mecmuasi, 1944, **73**: No. 42, 13.—**Treatment** of Vincent's stomatitis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 14, 19–25.—**Twining, H. E., Szylejko, H. W., & Kern, R. A.** Penicillin in the treatment of Vincent's angina. U. S. Nav. M. Bull., 1945, **45**: 479–81.—**Watson, A. S.** Vincent's infection; complications in treatment and diagnosis. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 5, 53–9.—**Young, L. E.** Efficacy of penicillin in the treatment of oral fusospirochetosis. Bumed News Lett., Wash., 1945, **5**: No. 7, 5.

VINYL ether.

See also **Surgical technic,** Anesthetization.

Connolly, J., & Baker, R. E. Vinethene anesthesia. U. S. Nav. M. Bull., 1936, **34**: 499–506.—**Ogus, W. I.** Vinethene; a suitable anesthetic for war surgery. Mil. Surgeon, 1941, **88**: 301–6.—**Roche, L. S. C.** Dental extractions in children under vinyl ether. J. R. Army M. Corps, 1937, **69**: 399.—**Rothwell, B. S.** Vinethene, an inhalation anesthetic for rapid induction and quick recovery; administered by open drop or in the gas machine for dental oral surgery. Mil. Surgeon, 1940, **86**: 452–6.

VIRGIN Islands.

See under **World War II.**

VIROLOGY.

United States. Army Epidemiological Board. Commission on Neurotropic Virus Diseases. Annual report. Wash. (1943-44) 1944–

—— Quarterly progress report. Wash., No. 9, 1948–

Gauld, R. L. Collection and shipment of specimens for submission to virus and rickettsial laboratories. In: Basic Sc, Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **2**: No. 8, 6–9.—**Kiefer, L.** Routine virus and rickettsial diagnostic laboratory procedures available at the European Command Medical Laboratory. Med. Bull. Europ. Command, 1948, **5**: No. 7, 39–43.—**Smadel, J. E.** Research in virus diseases. Bull. U. S. Army M. Dep., 1947, **7**: 795–808. ——— Introduction to course in virus and rickettsial diseases. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **2**: No. 8, 1–5.—**Stokes, Sabin** [et al.] Commission on Virus and Rickettsial Diseases. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 127–32.

VIROSIS.

See also **Epidemic,** Virosis; **Nervous system,** Disease; Virosis.

McLimans, W. F. Effect of temperature in experimental virus diseases of animals. 9p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Proj. X–176, U. S. Nav. M. Res. Inst.

United States. War Department. Neurotropic virus diseases. 7p. 27cm. Wash., 1946.

Forms TB MED 212, Techn. Bull. U. S. War Dep.

Blount, R. E. Neurotropic virus diseases. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 8, 18–20.—**Gauld, R. L.** Yellow fever, infectious hepatitis and homologous serum jaundice. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **2**: No. 8, 47–52.—**Gordon, J. E.** Neurotropic virus diseases. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 3, Sect. 6, 50–2.—**Höring, F. O.** Die klinischen Eigenschaften der Viruskrankheiten. Deut. Militärarzt, 1942, **7**: 275–80.—**Kikuth, W.** Remedies for virus and rickettsial diseases. CIOS Rep., Lond., 1945, Item 24, No. XXIII–12, 41–3. ——— Virus and rickettsial infections. Ibid., No. XXV–54, 62–4.—**Laboratory** diagnosis of virus and rickettsial diseases. Health Bull. [U. S. 2. Army] 1947, Nov., 14–6.—**Marcondes da Silva, S.** A urotropina; seu emprêgo nas encefalomielites e viroses. Rev. mil. remonta vet., Rio, 1947, **9**: No. 51, 27–9.—**Meyer, K. F.** Diagnosis of virus infections. Bull. U. S. Army M. Dep., 1948, **8**: 713–5.—**Neurotropic** virus diseases. Ibid., 1945, **4**: 322.—**Pearson, E. F.** Present concepts of virus diseases. Mil. Surgeon, 1944, **95**: 345–9.—**Sigel, M. M.** Diagnostic advances at virus laboratory. Research Rev. (U. S. Navy) 1949, July, 12–9.—**Smadel, J. E.** Pathology. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **2**: No. 8, 41–6.—**Thomas, J. I.** The role of insects in the transmission of filterable virus diseases. Armed Serv. Res. Rep. Insect & Rodent, 1948, No. 3, 70.—**Virus** diseases. Res. Program U. S. Army M. Res. Bd, 1946, July, 87–99.—**Virus** diseases; initiated prior to 1942 to devise vaccines for the prevention of virus diseases exclusive of influenza. Ibid., Oct., 89–99.—**Virus** and rickettsial diseases. Ibid., 1948, Jan., 144–50.—**Zinsser, H.** An immunological consideration of the virus problem. Mil. Surgeon, 1936, **79**: 171–82.

VIRUS.

See also **Bacteriological warfare,** Research; **Influenza,** Virus; **Poliomyelitis,** Virus.

McLimans, W. F., & Young, F. C. F. Survival of viruses in stored plasma under various environmental conditions. 9p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X–103, U. S. Nav. M. Res. Inst.

Schachman, H. K. Viscosity studies on the association of tobacco mosaic virus in solution. 14p. 26½cm. Bethesda, 1947.

Forms Rep. No. 1, Res. Proj. NM 000 002, U. S. Nav. M. Res. Inst.

Anderson, W. M. E. The technique of virus culture of chorio-allantoic membrane in military laboratories. J. R. Army M. Corps, 1940, **75**: 211–22.—**Bailly.** Ultra virus et formes filtrantes des microbes en médecine vétérinaire. Rev. vét. mil., Par., 1935, **19**: 69–82.—**Kelser, R. A.** Adaptation of filtrable viruses to different host species and different tissues. Mil. Surgeon, 1947, **100**: 289–93.—**Maurer, F. D.** The separation of viruses from bacterial contaminants. Bull. U. S. Army M. Dep., 1949, **9**: 351–4.—**Puntoni, V.** Sulla natura dei virus filtrabili. Gior. med. mil., 1943, **91**: 161–9.—**Sterzi, I.** Ultravirus e antivirus. Ann. med. nav., Roma, 1934, **40**: 214–9.—**Survival** of viruses in stored plasma under various environmental conditions. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 2.—**Woodcock, H. M.** Further considerations on the nature of virus agents, with reference to some recent work. J. R. Army M. Corps, 1932, **59**: 263; 343.

VIRUS pneumonia.

See under **Pneumonia.**

VISAYAS-MINDANAO area.

See under **World War II.**

VISCERA.

See also **Injury**—by organs: Abdominal viscera.

Plisson, L. G. E. F. Le système circulatoire des viscères intra-abdominaux; pédicules vasculaires et mésos péritonéaux; etude d'anatomie chirurgicale appliquée. p.355–409. 22cm. Par., 1926.

Arch. méd. pharm. mil., 1926, **84**:

Apetov, S. A. [Combined wounds of the thoracic and abdominal cavities under conditions at the front] Khirurgia, Moskva, 1943, No. 11, 34–8.—**Fraser, J.** Wounds of the stomach, duodenum, liver and spleen. In: Surg. Mod. Warfare (Bailey, R.) 3. ed., Edinb., 1944, 889–96.—**Hanley, H. G.** A case of shrapnel wound of the kidney and liver. Brit. J. Urol., 1942, **14**: 14–7.—**Hutchinson, R. W., & Zundell, J. L.** Actinomycosis of lungs and liver; report of case. U. S. Nav. M. Bull., 1940, **38**: 325–9, pl.—**Robison, L. J.** Simultaneous rupture of the left kidney and the spleen; case report. Surgeon Circ. M. Sect. Far East Command, 1948, **3**: No. 4, 4–6.—**Taylor, G. W., & Gillet, G.** 126 interventions pour plaies viscérales de l'abdomen; statistique intégrale d'un hôpital américain (95th Evacuation Hospital) Mém. Acad. chir., Par., 1945, **71**: 337–44.—**Wheeler, W. I. D. C.** A note on visceral decompression and the subsequent recoil. J. R. Nav. M. Serv., 1941, **27**: 323–30.—**Zühdü Sevgen.** Mesane ve rektüm felci. Askeri vet. mecmuası, 1941, **19**: 95–105.

—— Situs inversus.

Baptista, A. S. Dextrocardia com transposição visceral completa. Rev. med. mil., Rio, 1949, **38**: 347–52.—**Cañedo, R.** Situs inversus total. Rev. san. mil., Habana, 1943, **7**: 183–90.—**Derow, J. R., & Stearns, A. L.** Report of two cases of complete transposition of the viscera. Mil. Surgeon, 1947, **101**: 139–42.—**Franchi, F.** Sei casi di situs viscerum inversus totalis. Gior. med. mil., 1929, **77**: 679–700, pl. ——— Nuova osservazione di un caso di situs viscerum inversus totalis. Ibid., 1931, **79**: 669–73.—**Friss Baastad, W.** [Situs inversus organorum] Norsk tskr. mil. med., 1930, **34**: 13–6.—**Leal Dias, H.** Inversão visceral total. Rev. med. mil., Rio, 1944, **33**: 255–8, 4 pl.—**Lunn, W. E. C.** A case of transposition of viscera. J. R. Army M. Corps, 1926, **47**: 213–6.—**Mori, T.** Kyōdai ni mitaru naizō tensaku-syō [Situs inversus viscerum observed in brothers] Kaigun gun ikai zassi, 1941, **30**: 469–72, pl.—**Nunes Ribeiro Junior, G.** Inversão visceral total. Rev. med. mil., Rio, 1941, **30**: 200–8.—**Phillips, H.** Heterotaxy; with report of case of total heterotaxy. U. S. Nav. M. Bull., 1926, **24**: 299–303, 2 pl.—**Schaanning, C. K.** [Two cases of transposition of viscera] Norsk tskr. mil. med., 1930, **34**: 92–4.—**Solero, C.** Sull'osservazione in un militare di un caso di situs viscerum inversus totalis. Gior. med. mil., 1942, **90**: 693–8.

VISIBILITY.

See also **Blackout,** Visibility; also **Vision,** Acuity.

Hecht, S., Hendley, C. D., & Shlaer, S. The influence of binoculars and telescopes on the visibility of targets at twilight. 9p. 28cm. Wash., 1944.

Forms No. 312, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

United States. Army-Navy-NRC Vision Committee. Subcommittee on Visibility and Atmospheric Optics. Minutes and proceedings of the meeting. Wash., 1. 1948–

Whiteside, T. C. D. The visibility of maps and charts under low intensity red illumination. 11p. 33½cm. Lond., 1949.

Forms F. P. R. C. No. 724, Gr. Britain Flying Pers. Res. Com.

Haber, H., & Gerathewohl, S. A study on the visibility of aircraft insignia. Q. Res. Rep. U. S. School Aviat. M., 1947, Oct., 12.

VISION.

See also **Acceleration,** Sense organs; **Anoxia,** Sense organs; **Aviator,** Vision; **Fitness; Hemianopsia; Limited service; Medical examination; Reading; Recruit; Rejection.**

United States. Armed Forces-N[ational] R[esearch] C[ouncil] Vision Committee. Minutes and proceedings of the meeting. Wash., &c., 1., 1944–

Bibliography of visual literature, 1939–44. Minutes Army Navy Vision Com., 1945, 10. meet., 27–30.—**Fridenberg, P.** Visual psychology in war time. Dis. Eye &c. Throat, 1941, **1**: 298–300. ——— Vision in war-time. Eye Ear &c. Month., 1942–43, **21**: 337.—**Julian, M. J.** Attacking the visual gremlins that hamper the war effort. Optic. J., N. Y., 1943, **80**: No. 4, 26.—**Pockley, F. A.** Soldiers' eyesight. Med. J. Australia, 1918, **1**: 214.—**Smith, J. W.** Two eyes to see with. Hygeia, Chic., 1943, **21**: 176.—**Vail, D.** War vision. Am. J. Ophth., 1943, **26**: 627.—**Vision** in the national war effort. Optic. J., 1942, **79**: 22–4.—**Vision** studies. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 33.—**Zagorulko, L., Kravkov, S.** [et al.] Zrenie. In: Enciklopedicheskii slovar voen. med., Moskva, 1946–48, **2**: 839–46.

—— Acuity.

See also other subheadings; also **Night vision,** Acuity; **Strabismus; Visual field.**

Mandelbaum, J., & Rowland, L. S. Central and paracentral visual acuity at different levels of illumination. 8 l. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 220, U. S. Air Force School Aviat. M.

Betts, E. A., & Dorris, V. Maintaining visual acuity in the Navy. Optometr. Week., 1948, **39**: 691.—**Botvinnik, N. R.** [Correlation between the acuity of vision and the degree of refraction] Tr. Acad. mil. méd. Kiroff, 1935, **2**: 181–93.—**Carson, L. D., & Ebert, E. C.** Visual acuity and speed of recognition. U. S. Nav. M. Bull., 1942, **40**: 183–6, pl.—**Cook, E. B.** Comparative study of several measures of visual acuity. Minutes Army Navy Vision Com., 1946, 15. meet., 9–38.—**Janas, T.** [Changes in the acuity of vision after flights] Lek. wojsk., 1936, **27**: 738–41.—**Karpinos, B. D.** Visual acuity of selectees and Army inductees. Human Biol., 1944, **16**: 1–14.—**Kuroki, T.** Kan-zyō-tai siryoku no kozin-sa ni kan-suru kenkyū; ittei syōdo ni okeru kanzyō-tai siryoku ni tuite [Studien über den individuellen Unterschied der Stäbchensehschärfe; über die Stäbchensehschärfe bei bestimmter Beleuchtung] Kaigun gun ikai zassi, 1937, **26**: 524–33.—**Lampis, E.** Funzione visiva e servizi militari. Gior. med. mil., 1929, **77**: 121–39.—**Lebensohn, J. E., & Sullivan, R. R.** Temporary stimulation of emmetropic visual acuity. U. S. Nav. M. Bull., 1944, **43**: 90–5.—**Mundt, G. H.** An analysis of the vision of 200 consecutive selectees as seen by an Advisory Board oculist. Illinois M. J., 1942, **82**: 347–50.—**Niyazi Ismet Gözcü** [Military service and acuity of vision] Askeri sihhiye mecmuası, 1939, **68**: 53–6.—**Santa Cecilia, J.** A agudesa visual e sorteio militar. Bol. Soc. med. clr. mil., Rio, 1920, **6**: 85–7.—**Thorburn, T.** [Influence of visual acuity on the enrollment of conscripts] Tskr. mil. hälsov., 1933, **58**: 177–87.—**Wherry, R. J.** The Army visual acuity research program. Minutes Army Navy Vision Com., 1947, 20. meet., 35–47.—**Wolpaw, Scobee** [et al.] Studies in visual acuity. Minutes Armed Forces NRC Vision Com., 1948, 22. meet., 87–92.

—— Acuity: Measurement.

See subheadings (Refraction; Test)

—— Acuity, peripheral.

See with **Visual field.**

—— Anomalies.

Baberowski, W. Untersuchung der Sehleistungen bei einem intrasellaren Tumor. Deut. Militärarzt, 1942, **7**: 738–41.—**Beuningen, E. v.** Gemeinsame Störungen des peripheren und

zentralen Lichtsinns der Netzhaut. Zschr. Sinnesphysiol., 1943. 70: 184–96, illust.—**Hayden, R., & Goss, O. R.** Visual deficiency; incidence at the United States Naval Academy and measures taken for its reduction. U. S. Nav. M. Bull., 1940, 38: 252–76.—**Høygaard, A., Holm, H., & Rodahl, K.** Latent hemeralopi hos sjöfolk. Nord. med., 1941, 12: 3225 (Abstr.)—**Hurst, A.** Functional disorders of vision. In his Med. Dis. War, 2. ed., Lond., 1941, 89–102.—**Kikuti, B.** Syōwa zyūni nendo Hongō rentai-ku dai ni han tyōhei kensa ni okeru siki no zyōtai [The conditions of organs of vision (as discovered in the examination of conscripts for the 2d company in the Hongō regimental district in 1937] Gun idan zassi, 1938, 49–56.—**Kopil-Levina, E. A., & Sherševskaja, O. I.** [Wartime functional affections of sight: diagnosis and treatment] Vest. oft., 1944, 23: No. 5, 31–6.—**Mailler, L. B.** Number of rejectees is optometry's problem. Optometr. Week., 1941–42, 32: 806.—**Poliak, B. L.** Anomalii refrakcii u prizyvnikov. Voen. san. delo, 1940, No. 8, 39–42.—**Souza Medina, D., de.** Acerca do deficit visual verificado nos aspirantes de Escola naval. Arq. brasil. med. nav., 1947, 8: 1133–41.—**Ter Kuile, R. W.** Sudden decrease in central vision; its emergency nature and treatment. U. S. Nav. M. Bull., 1945, 45: 933–7.—**Theodore, F. H., Johnson, R. M.** [et al.] Causes of impaired vision in recently inducted soldiers. Arch. Ophth., Chic., 1944, 31: 399–402.

—— binocular.

See also **Depth perception.**

Aymat. Estereoscopia a ojo desnudo o sin estereoscopio. Ejército, 1942, No. 30, 25–31.—**Brouwer, J. E., & Jongbloed, J.** Die Veränderung des binokulären Tiefensehens bei älteren Fliegern. Deut. Militärarzt, 1940, 5: 503 (Abstr.)—**D'Oliveira Esteves, J.** Valor del examen de la visión estereoscópica; calculo y noción de distancia como tests de evolución en la instrucción del alumno piloto. Rev. san. mil., B. Air., 1939, 38: 690–5.—**Heinke, E.** Das Raumsehvermögen im Unterdruck. Bull. War M., Lond., 1942–43, 3: 351 (Abstr.)—**Kemal** [Stereoscopic vision and distance; its mechanism, elements of appreciation, valuation and measurement] Askerî sihhiye mecmuasi, 1936, 65: 51–66.—**Kilches, R.** Stereoskopie bewegter Objekte. Bull. War M., Lond., 1942–43, 3: 412 (Abstr.)—**Lanet.** Un dispositif simple pour la mesure de l'acuité stéréoscopique; le test de Davidson-Onfray. Bull. Soc. méd. mil. fr., 1938, 32: 482–7.—**Litinsky, G.** Vedušćij glaz i ego pricelnaja sposobnost v zavisimosti ot pricelivanija dvumja otkrytymi glazami. Voen. san. delo, 1935, No. 11, 33–40.—**Margolina** [Binocular and monocular measuring of acuity] Ibid., 1938, No. 2, 58–62.—**Weissig, E.** Vergleichende Untersuchungen über das Raumsehvermögen mit dem Raumsehprüfgerät nach Koch und dem Zeiss-Stereoskop mit den Prüftafeln nach Pulfrich. Bull. War M., Lond., 1942–43, 3: 350 (Abstr.)

—— Color blindness.

See also **Injury,** accidental.

Farnsworth, D. Report of an investigation of corrective training of color blindness. 10 l. 28cm. New Lond., 1947.

Forms No. 15, Col. Vision Rep. U. S. Nav. M. Res. Laborat.

Rowland, L. S. Cures for color blindness. 3p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 122, U. S. Air Force School Aviat. M.

Hecht, S., Hsia, Y., & Shlaer, S. Brightness, visual acuity, and colorblindness. Minutes Army Navy Vision Com., 1947, 19. meet., 21–7, 3 ch.—**Sloan, L. L.** Cures for color blindness. Air Surgeon Bull., 1944, 1: No. 2, 22. ——— Color blindness. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, 1: 67–81.

—— Color vision.

See also **Oxygen deficiency.**

Cooley, E. E., & Grow, M. C. Color vision. 31p. 26½cm. n. p., 1936.

Farnsworth, D. The effect of colored lenses upon color discrimination. 15 l. 28cm. New Lond., 1945.

Forms No. 9, Col. Vision Rep. (or, Proj. X–502) U. S. Nav. M. Res. Laborat.

Matthews, J. L. An investigation of certain aspects of color vision. 12p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 168, U. S. Air Force School Aviat. M.

Peckham, R. H. The influence of sun glasses on object-color perception. 28 l. 28cm. Phila., 1949.

Forms Final Rep. Project NR 142–565, U. S. Off. Nav. Res.

Schelling, H. v. A method for calculating the effect of filters on color vision. l. 70–83. 28cm. New Lond., 1949.

Forms No. 21, Col. Vision Rep. (or, Rep. No. 3, Proj. NM 000 009) U. S. Nav. M. Res. Laborat.

United States. Armed Forces-NRC Vision Committee. Subcommittee on Color Vision. Minutes and proceedings of the meeting. Wash., 1: 1948–

United States. Naval Medical Research Laboratory. Color vision report. New Lond., No. 4, 1945–

Christie, W., & Buckle, D. Discussion on colour vision and the Services. Med. J. Australia, 1942, 1: 206.—**Color** vision. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 28.—**Cooley, E. E., & Grow, M. C.** Color vision. Army M. Bull., 1936, 34: 1–31.—**Herbolsheimer, A. J.** Color and color perception. J. Aviat. M., 1942, 13: 201–15.—**Report** of work being done on color vision and dark adaptation in Augenklinik, University of Heidelberg. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 4a, 1.—**Schmidt, I.** Investigation of annual rhythm of color vision. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 11; July, 10; Oct., 11. ——— & **Bingel, A.** Effect of oxygen lack on color saturation thresholds. Ibid., 1948, Jan., 12. ——— Effect of oxygen lack and various other factors on color saturation thresholds. Ibid., 1949, Jan., 10.—**Scott, J. W., & Solandt, D. Y.** The relation of dark adaptation to colour vision. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 39–42, 4 ch.—**Vashnevsky, N.** Cvetoośćuśćenie. In: Enciкl. slovar voen. med., Moskva, 1946–48, 5: 937–41.—**Wiltberger, P. W.** A preliminary report of a study of color perception and its practical application in aviation. J. Aviat. M., 1939, 10: 47–9.

—— Color vision: Defects.

Farnsworth, D. Preliminary report on confusions of colored lights at small subtense by protans and deutans. 20 l. 28cm. New Lond., 1946.

Forms No. 13, Col. Vision Rep. (or, Proj. X–263) U. S. Nav. M. Res. Laborat.

—— & Reed, J. D. Comparative reaction times to Christmas tree signal lights with respect to color deficiency. 11 l. 28cm. New Lond., 1946.

Forms No. 10, Col. Vision Rep. (or, Proj. X–265) U. S. Nav. M. Res. Laborat.

Hendley, C. D., & Hecht, S. The colors of natural objects and terrains and their relation to visual color deficiency. 3p. 28cm. Wash., 1944.

Forms No. 269, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Rowland, L. S., & Heagan, F. V. Frequency of color deficiency among Air Corps cadets. 5p. 27cm. Randolph Field, 1944.

Forms Rep. No. 1, Proj. No. 314, U. S. Air Force School Aviat. M.

Sloan, L. L. Color deficiency. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1948, 2: 71–87.

—— Color vision: Tests.

Cooley, E. E. The examination of the color perception. 28p. 26cm. n. p., 1937.

Farnsworth, D., & Foreman, P. A brief history of lanterns for testing color sensation and description of the essential principles; preliminary report on development and trial of New London Navy Lantern as a selection test for serviceable color vision. 12 l. 28cm. New Lond., 1946.

Forms No. 11, Col. Vision Rep. (or, Proj. X–457) U. S. Nav. M. Res. Laborat.

—— Development and trial of New London Navy Lantern as a selection test for serviceable color vision. 39 l. 28cm. New Lond., 1946.

Forms No. 12 of preceding Proj. Rep.

Farnsworth, D., & Kimble, P. F. Compilation of research on abridgment and administration of the A. O. 1st edition Pseudo-isochromatic plates. 21 l. 28cm. New Lond., 1946.

Forms No. 14, Col. Vision Rep. (or, Proj. X–749) U. S. Nav. M. Res. Laborat.

Farnsworth, D., Reed, J. D., & Shilling, C. W. The effect of certain illuminants on scores

made on pseudo-isochromatic tests [Reprint] 9 l. 28cm. New Lond., 1948.
Forms No. 4, Col. Vision Rep. U. S. Nav. M. Res. Laborat.

FARNSWORTH, D., SPERLING, H. G., & KIMBLE, P. F. A battery of pass-fail tests for detecting degree of color deficiency. l. 39–68. 27½cm. New Lond., 1949.
Forms No. 18, Col. Vision Rep. (or, Rep. No. 1, Proj. NM 003 018) U. S. Nav. M. Res. Laborat.

FRICK, D. C., GREEN, E. L., & FRY, J. M. The AAF SAM color code test (COLCODE) a performance test of color discrimination ability. 27p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 415, U. S. Air Force School Aviat. M.

GREEN, E. L. Selection of color vision test plates; criteria. 15p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 362, U. S. Air Force School Aviat. M.

GRETHER, W. F., CONNELL, S. C., & BJORNSTAD, J. M. Experimental evaluation of the New London Navy Lantern for testing color perception. 11p. 26½cm. Dayton, 1949.
Forms No. MCREXD-694-21B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

ROWLAND, L. S. An evaluation of the ISCC Test for color deficiency in the selection of Air Force personnel. 9p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 54, U. S. Air Force School Aviat. M.

—— A lantern for measuring chromatic thresholds. 12 l. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 97, U. S. Air Force School Aviat. M.

—— Selection of a battery of color vision tests. 20p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 108, U. S. Air Force School Aviat. M.

—— Daylight fluorescent lamps as a source of illumination in tests of color perception with pseudo-isochromatic plates. 3p. 27cm. Randolph Field, 1943.
Forms Rep. No. 1, Proj. No. 130, U. S. Air Force School Aviat. M.

—— Selection of color vision tests for the Army Air Forces; a review of studies made at the AAF School of Aviation Medicine. v. p. [25]p. 27cm. Randolph Field, 1945.
Forms Rep. No. 1, Proj. No. 393, U. S. Air Force School Aviat. M.

—— & FRY, J. M. Selection of color vision test plates; selection of 18 plate tests. 5p. 27cm. Randolph Field, 1945.
Forms Rep. No. 2, Proj. No. 362, U. S. Air Force School Aviat. M.

SCHMIDT, I. A color signal apparatus for testing color vision in aviation. 11 l. 27cm. Heidelb., 1946.
Forms No. P3-46-19, Transl. U. S. Air Force Aero M. Cent., Heidelb. Transl. from Deut. Militärarzt, 1941, 6: 540–4.

—— New tests for the examination and training of color vision; pseudo-isochromatic plates. 11p. 22cm. Randolph Field, 1948.
Forms Rep. No. 1, Proj. No. 517, U. S. Air Force School Aviat. M.

—— New test for examination and training of color vision; pseudo-isochromatic plates. 7p. 26cm. Randolph Field, 1949.
Forms Rep. No. 2, Proj. No. 21-02-042, U. S. Air Force School Aviat. M.

UNITED STATES. AIR FORCE. SCHOOL OF AVIATION MEDICINE. Project No. 137: Selection and validation of tests for color vision. 7 nos. 27cm. Randolph Field, 1943.

CONTENTS

1. A test for ability to distinguish terrain colors. Rowland, L. S. 5p.
2. A simple anomaloscope for detecting and classifying red-green color deficiencies. Rowland, L. S. 13 l.
3. Further studies with a simple anomaloscope for detecting red-green color deficiencies. Rowland, L. S. 8p.
4. A comparison of two lantern tests for red-green deficiency, the Color Threshold Lantern and a modification of the RCN (Royal Canadian Navy) Lantern. Rowland, L. S. 16p.
5. The color threshold lantern as a quantitative test for red-green color deficiency. Rowland, L. S. 13p.
6. The recognition of pyrotechnic signals by normal and color deficient subjects. Rowland, L. S., & McDonald, P. R. 15p.
7. Relationship between degree of color deficiency and ability to identify signals from a biscuit gun. Rowland, L. S. 11p.

WHITE, M. S. A study of the value of the pseudo-isochromatic color vision test in the selection of the military pilot. 6p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 12, U. S. Air Force School Aviat. M.

Backenstoe, G. S. Preliminary survey on the color-vision plates of Sinobu Isihara. J. Aviat. M., 1944, **15**: 272–8.—**Belostocky, E. M., & Vishnevsky, N. A.** Cvetovye porogi u lic s ponižennym cvetnym zreniem. Voen. san. delo, 1941, 61–6.—**Caanitz, H., & Heinsius, E.** Kurze Wertung der Untersuchungsergebnisse mit den neuen Stilling-Hertelschen Farbenproben zur Prüfung des Farbensinnes. Deut. Militärarzt, 1939, **4**: 496.—**Color** perception test. Med. Bull. Continent. Air Command, 1949, **1**: No. 3, 15.—**D'Oliveira Esteves, J. V.** Una ficha para el examen del sentido cromatico. Rev. san. mil., B. Air., 1938, **37**: 990–8.—**Farnsworth, D.** Navy lantern test for color blindness. Med. News Lett. Aviat. Suppl., Wash., 1947–48, **9**: No. 6, 3–6.—**Heinsius, E.** Die Farbensinnprüfung bei der Kriegsmarine. Arch. Ophth., Berl., 1941–42, **144**: 150–63.—**Rowland, L. S., & Heagan, F. V.** An abridged edition of the American Optical Company Pseudo-Isochromatic Plates for testing color perception. Forms No. 1–3, Proj. Rep. No. 68, U. S. Air Force School Aviat. M.—**Schmidt, I.** Farbensinnuntersuchungen an normalen und anomalen Trichromaten im Unterdruck. Luftfahrtmedizin 1937–38, **2**: 55–71. —— Ein Signalfarbengerät zur Farbsehprüfung in der Luftfahrt. Deut. Militärarzt, 1941, **6**: 539–4. —— Examination and evaluation of standard color tests with the view of development of a color test best suited for the detection of color proficiency of individual as required by AAF. Q. Res. Rep. U. S. School Aviat. M., 1947, June, 5. —— New tests for the examination and training of color vision; signal lamp. Ibid., Sept. 30, 15; 1948, Oct., 6. —— Munsell color paper samples for training of color vision. Ibid., 16. —— New tests for investigation of peripheral vision of color defectives. Ibid., 16. —— Pseudo-isochromatic plates. Ibid., 1948, Jan., 10.—**Shilling, C. W., & Kohl, J. W.** Color vision testing and research. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 286–92.—**Sloan, L. L.** Deficient color perception; new tests. Air Surgeon Bull., 1945, **2**: 166–8. —— Selection of color vision tests for the Army Air Forces; a summary of studies made at the Army Air Forces School of Aviation Medicine. Arch. Ophth., Chic., 1946, **36**: 263–83. —— & **Wollach, L.** Comparison of tests for red-green color deficiency. J. Aviat. M., 1948, **19**: 447–55.—**Solandt, D. Y., & Best, C. H.** The Royal Canadian Navy colour vision test lantern. Canad. M. Ass. J., 1943, **48**: 18–21.—**White, M. S.** The value of the pseudo-isochromatic color vision test in original applicants for military flying. Mil. Surgeon, 1941, **89**: 801–5.

—— Dark adaptation.

See **Night vision; Visual adaptation.**

—— Dazzle.

See as main heading.

—— Depth perception.

See as main heading; also subheading (binocular)

—— Diplopia.

SCOBEE, R. G., & ROWLAND, W. M. A filter for the red lens test in the 64 examination. 2 l. 27cm. Randolph Field, 1944.
Forms Rep. No. 1, Proj. No. 322, U. S. Air Force School Aviat. M.

Borley, W. E., & Renaud, O. V. Advancement of superior oblique muscle for correction of diplopia; report of a case. U. S. Nav. M. Bull., 1945, **45**: 755.

—— Examination.

See also other subheadings.

Bastier, F. E. *Examen de la vision, pour le Service de la marine. 67p. 8° Montp., 1888.

Weymouth, F. W., & Hirsch, M. J. Studies in visual distance discrimination; relation of monocular to binocular vision, effect of illumination intensity, distance, and other external conditions on threshold. 2p. 28cm. Wash., 1944.

Forms No. 361, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Krückmann. Beurteilung der Militärdiensttauglichkeit. Klin. Mbl. Augenh., 1916, **57:** 168.—**Rafferty, J. A., & Kimball, A. W., jr.** Mathematical statistical research in discriminatory analysis. Q. Res. Rep. U. S. School Aviat. M., 1949, Jan., 16.—**Slovinsky, N. S.** Racionalnyj metod issledovanija glaz v uslovijakh vojskovoj časti. Voen. san. delo, 1940, No. 5, 109.—**Travers, T. a'B.** The distinction between amblyopia and organic defects of vision. Med. J. Australia, 1942, **1:** 207.—**Villalon, V.** Examen de la visión, bajo el punto de vista del servicio militar; generalidades. Actas Congr. med. cir. nav. mil. Chile, 1929, 344–50.—**Visual** examination of Selective Service registrants. Optic. J., N. Y., 1941, **78:** No. 7, 27–9.

—— kinetic.

Cowper, M. C. An investigation into the perception of movement. 9 l. 28cm. Lond., 1947.

Forms F. P. R. C. No. 683, Gr. Britain Flying Pers. Res. Com.

Keighley, G., & Clark, W. G. Flicker fusion frequency measurements on humans subjected to positive acceleration. 4p. 28cm. Wash., 1945.

Forms No. 426, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Warden, C. J. An investigation of motion acuity under scotopic conditions at various retinal positions. 7p. 28cm. Wash., 1944.

Forms No. 326, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

Richmond, P., & Ebert, E. C. Speed of visual perception. Bull. U. S. Nav. M., 1933, **31:** 150, pl.

—— Malingering.

Chase, J. S. Eye examinations complicated by conscious exaggeration. Med. Bull. Veterans Admin., 1940–41, **17:** 331–5.—**Eggers, H.** Estimation of uncorrected visual acuity in malingerers. Arch. Ophth., Chic., 1945, **33:** 23–7.—**Johnston, P. H.** Seeing and sabotage. Optometr. Week., 1942–43, **33:** 184.—**Lampis, E.** Il visus nella similazione (note ed osservazioni di pratica professionale) Gior. med. mil., 1928, **76:** 505–11.

—— Myopia.

See as main heading.

—— Night vision.

See as main heading; also **Visual adaptation.**

—— Physiology.

See also **Eye; Retina.**

Harris, J. D. Some relations between vision and audition. 22 l. 28cm. New Lond., 1948.

Forms Rep. No. 1, Proj. No. NM 000 009, U. S. Nav. M. Res. Laborat.

Ríos Sasiain, M. Algunas alteraciones de la percepción visual, explicadas por la teoría dinámica de la corteza. Med. & cir. guerra, 1946, **8:** No. 20, 5–9.—**Schupfer, F.** Le variazioni giornaliere del potere risolutivo retinico e la loro importanza per le misure ottiche di precisione. Ann. med. nav., Roma, 1943, **49:** 49–71.—**Tanaka, H., & Sekiguti, E.** Teiatu no kōkakuryoku ni oyobosu eikyō [Effect of low atmospheric pressure on optic sensitivity] Kaigun gun ikai zassi, 1935, **24:** 113–31, tab.

—— Problems.

See also **Reading.**

Clark, I. Vision problems of military students with heavy academic loads. Proc. Am. Student Health Ass., 1944, **23:** 29–31. Also J. Lancet, 1945, **65:** 23–5.—**Miles, W. R., & Bronk, D. W.** Visual problems. In: Advance. Mil. Med., Bost., 1948, **1:** 261–77.—**Scobee, R. G.** A problem in vision research. Research Rev. (U. S. Navy) 1948, June, 27–31.

—— Refraction.

See also **Ophthalmology; Optometry;** also subheading (Acuity)

Kravkov, S. Refrakcia glaza. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1136–40.—**Taylor, E. M.** Refraction and accommodation. In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1:** 795; 1948, **2:** 620.

—— Refraction: Disorders.

See also **Myopia.**

Kildee, H. A. Aniseikonia. Med. Bull. Veterans Admin., 1941–42, **18:** 39–42.—**Matthews.** Vision through 'perspex. Gr. Britain Flying Pers. Res. Com., 1943, No. 537, 6.—**Olenick, E. J.** Visual correctibility of naval recruits. U. S. Nav. M. Bull., 1949, **49:** 104–9.—**Saunders, E. E.** Navy eye-correction, eye-protection program. Tr. Am. Acad. Ophth. Otolar., 1947–48, **52:** 562–5.—**Schubert, G.** Das Aniseikonieproblem bei Fliegertauglichkeitsprüfungen. Luftfahrtmedizin, 1939–40, **4:** 285–91.—**Sullivan, R. R.** The Navy eye-correction, eye-protection program. Tr. Am. Acad. Ophth. Otolar., 1948–49, **53:** 615–20. Also Optic. J., N. Y., 1949, **86:** No. 7, 35. Also Sightsav. Rev., 1949, **19:** 25–34.—**Swanson, C. A.** Highlights of the Navy eye-correction, eye-protection program. Tr. Am. Acad. Ophth. Otolar., 1949–50, **54:** 262–70, illust.

—— Refraction: Test.

See with subheading (Test)

—— Rehabilitation.

Fridenberg, P. Visual preparedness and national defense. Dis. Eye &c. Throat, 1941, **1:** 187.—**Nasu, K.** Aids to vision supplied by the JAAF. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 225, 1.—**Ohm, J. H., & Jensen, J. P. H.** Results of rehabilitation. Optometr. Week., 1943–44, **34:** 448.—**Popov, N. P.** Suggestions in eye education. Mil. Surgeon, 1946, **98:** 48–50.—**Shepard, C. F.** Analysis of rehabilitation cases. Optometr. Week., 1944–45, **35:** 1333; 1363.

—— Relation to weapons and occupational specialties.

See also **Periscope; Visual search.**

Gözcü, N. I. Die Sehfunktionen und deren Beziehung zum Militärdienst. Deut. Militärarzt, 1940, **5:** 446 (Abstr.)—**Grossmann, E. E.** The relationship of the eye to anti-aircraft gunnery. Mil. Surgeon, 1943, **92:** 383–93.—**Maciejewski, K.** [Significance of the properties of vision in shooting instructions] Lek. wojsk., 1936, **27:** 299–302.—**Moutinho, H.** A visão profissional nas especializações do Exército. Impr. méd., Lisb., 1941, **7:** 169–72.—**Wacek, S.** [Adaptability of vision in relation to the choice of fire-arms] Lek. wojsk., 1937, **30:** 690–3.—**Zimkin, N. V.** [Accommodation in firing with fire-arms] Vest. oft., 1937, **11:** 234–40.—**Zolędziowski, Z.** [Adaptability of vision in relation to the choice of fire-arms] Lek. wojsk., 1937, **30:** 686–9.

—— Standards.

Aptitude (L') au service militaire. Oculiste fr., 1947, 162–72; 1950, **1:** 114–25.—**Bahn, C. A.** Ophthalmic requirements of the military services; revision Feb. 1, 1943. Arch. Ophth., Chic., 1943, **29:** 831–43.—**Guiral, R.** La capacidad visual desde el punto de vista de la aptitud para el servicio militar. An. Acad. cienc. méd. Habana, 1921–22, **58:** 118–45.—**Litinsky, G.** [Standards of visual acuity measured by the depth vision apparatus; its physiological importance] Voen. san. delo, 1936, No. 5, 41–5.—**Parkinson, A. S.** Vision standards for grading recruits. Brit. M. J., 1941, **1:** 458.—**Teixler, V. A.** Visual requirements for the Armed Services. J. Indiana M. Ass., 1945, **38:** 156.—**Todorov, D. A.** Godnostta na voennosluźaščite v zavisimost ot očnata refrakcia. Voen. san. delo, Sofia, 1947, **2:** 210–7.

—— Standards: Air Force.

Counsell, W. D. Standards of colour vision for the Air Force. Tr. Ophth. Soc. Australia, 1941, **3:** 118–20.—**Grönvall, H.** Testing of the eyes of candidates for the Air Service. Acta ophth., Kbh., 1930, **8:** 337–42.—**Millis, J. W.** Depth perception as an aid in the selection of fighter pilotx. J. Aviat. M., 1944, **15:** 328–39.—**Visual** requirements for flying personnel. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14a, 32.

—— Standards: Army.

Barrett, J. W. Visual standards for the Army. Med. J. Australia, 1941, **2:** 526.—**Eyes** (The) of the Army. Am. Opt. Vision, 1943, **27:** No. 3, 8.—**Keyser, G. W.** [Requirements of eyesight and color sense in medical officers of the Army] Norsk. tskr. mil. med., 1929, **33:** 29–39.

—— Standards: Navy.

Mueller, C. G., & Richmond, P. Comparative study of screening devices for visual selection of Naval personnel. 20 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X–471, U. S. Nav. M. Field Res. Laborat.

Barrett, J. The visual standards desirable for mariners and railway officers. Proc. Panpacific Surg. Conf., 1929, 1. Conf.

269–73. Also Tr. Internat. Ophth. Congr. (1929) 1930, 13. Congr., 1: 146–9.

—— stereoscopic.

See subheading (binocular)

—— Test.

See also other subheadings.

Cook, E. B. Comparative performance of commercial screening devices and far and near wall charts utilizing the same test targets. 87 l. 27½cm. New Lond., 1948.

Forms Rep. No. 5, Proj. NM-003-011, (or, X-493) U. S. Nav. M. Res. Laborat.

Sulzman, J. H., Farnsworth, D. [et al.] Comparison of various screening devices with standard medical visual procedure. 50 l. 27cm. New Lond., 1945.

Forms Rep. No. 1, Proj. X-493, U. S. Nav. M. Res. Laborat.

Caesar, J. [Examination of eye sight in recruits] Voj. zdrav. listy, 1932, 8: 172–88.—**Gittings, F. C. B.** Sight testing in recruits. Med. Press & Circ., Lond., 1945, 214: 27–30.—**Noda, E., & Yokomatu, H.** Sisaku sinkeikaku-kei ni yoru kensa seiseki [Results in examination by means of the experimental depth perception meter] Gun idan zassi, 1929, 377–93.—**Portable** vision testers. Air Surgeon Bull., 1945, 2: 55.—**Reymann, F.** [Vision tests for sailors] Ugeskr. laeger, 1939, 101: 1118.—**Smith, C. G.** A report of the vision and hearing tests carried out by the R. C. N. Medical Research Testing Units at Cornwallis and at Halifax. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 59–66, 4 tab.—**White, S.** An aid in the measurement of depth perception. Flight Surgeon Topics, 1938, 2: table, 161.

—— Test: Acuity and refraction.

Cook, E. B., Cook, E. B., & Bartlett, N. R. Visual acuity measurements with three commercial screening devices. Rev. ed. 44 l. 27cm. New Lond., 1948.

Forms Rep. No. 2, Proj. No. X-493, U. S. Nav. M. Res. Laborat.

Dimmick, F. L., & Rudolph, L. M. Checkerboard visual acuity targets; an experimental validation. 14p. 28cm. N. Lond., 1948.

Forms Rep. No. 1, Proj. NM 003 008, (or, X-423) U. S. Nav. M. Res. Laborat.

Mueller, C. G., & Richmond, P. Study of visual acuity targets. 20 l. 27½cm. Camp Lejeune, 1946.

Forms Res. Proj. X-671, U. S. Nav. M. Field Res. Laborat.

Sulzman, J. H., Cook, E. B., & Bartlett, N. R. Visual acuity measurements with three commercial screening devices. 43 l. 26½cm. New Lond., 1946.

Forms Rep. No. 2, Proj. No. X-493, U. S. Nav. M. Res. Laborat.

Trumbull, R., & Backstrom, O., jr. A comparison of the reliability and validity of visual acuity test targets. 24 l. 27cm. Pensacola, 1946.

Forms Rep. No. 1, Res. Proj. X-676 (Av-357-p) U. S. Naval School Aviat. M.

Beyne, J., & Goett, G. La mesure précise de l'acuité visuelle chez l'homme. Arch. méd. pharm. nav., 1932, 122: 374–95.—**Burch, E. P.** Refraction procedures in the military service. Mil. Surgeon, 1943, 92: 300–6.—**Caesar, J.** [Determination of visual acuity] Voj. zdrav. listy, 1930, 6: 2–22.—**Calendoli, S.** Una revisione della schiascopia. Gior. med. mil., 1938, 86: 737–48.—**Farnsworth, D.** Four variables in testing visual acuity. Minutes Army Navy Vision Com., 1945, 11. meet., 57–60. ——— Comparison of binocular and monocular viewing of tests for monocular acuity on the ortho-rater. Ibid., 12. meet., 67.—**Gabriels, J. A. C.** Snellen symbols and the naval examiner. Arch. Ophth., Chic., 1943, 30: 377.—**Irvine, S. R.** A simple test for binocular fixation and ocular dominance. Air Surgeon Bull., 1944, 1: No. 6, 6.—**Klar, R.** Ist zur Brillenbestimmung fehlsichtiger Soldaten augenfachärztliche Untersuchung erforderlich? Münch. med. Wschr., 1943, 90: 707–9.—**Knapp, A. A.** Practical points in refraction. U. S. Nav. M. Bull., 1943, 41: 750–4.—**Koby, F.** Sur la détermination de l'acuité visuelle chez les militaires. Praxis, Bern, 1940, 29: 348.—**Lade, O.** Zur Beurteilung der Sehschärfe bei der Musterung. Deut. Militärarzt, 1942, 7: 607.—**Lebensohn, J. E.** Visual rating, and presentation of an improved unlearnable letter chart. U. S. Nav. M. Bull., 1943, 41: 744–9.—**Marzock, O.** Die Genauigkeit der Gläserbestimmung im Kriege. Optik, Weimar, 1943, 2.—**Masuda, H.** Tyōhei kensa ni okeru siryoku kensa no saikō narabi ni syōdo to siryoku to no kankei ni tuite [Illumination in the tests for vision given Army conscripts, and the relation between illumination and visual power] Gun idan zassi, 1938, 105–44.—**Moore, J. I.** A visual test card designed for use in examinations for the Armed Forces; a more refined means for differentiating between class 1-A and class 1-B registrants. Arch. Ophth., Chic., 1942, 27: 460–5. Also Mil. Surgeon, 1942, 90: 684–8.—**Penazzo, D.** Sulla necessità di determinare l'acutezza visiva nei corpi armati dello stato mediante l'uso di ottotipi a scala decimale. Ann. med. nav., Roma, 1936, 42: pt 1, 117.—**Refractions** for Army military personnel. Am. J. Optometr., 1944, 21: 209.—**Rogge, H.** Eine Augenbrechungsfehlertabelle. Deut. Militärarzt, 1943, 8: 346.—**Taylor, J. S.** Retinoscopic lens-holder. U. S. Nav. M. Bull., 1921, 15: 383–5.

VISITING nurse.

See under **Nurse.**

VISUAL adaptation.

See also **Night vision,** Physiology.

Blum, H. F., & Fisher, M. B. A study of binocular fusion at low levels of illumination. 9p. 26½cm. Bethesda, 1944.

Forms Res. Proj. X-254, U. S. Nav. M. Res. Inst.

Hartline, H. K., & McDonald, R. Frequency of seeing at low illumination. 11p. 28cm. Wash., 1943.

Forms No. 110, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

MacMartin, L. S., & Dimmick, F. L. Mapping the central scotoma of the dark adapted retina; comparison of a moving stimulus with a stationary presentation. l. 94–112. 27½cm. N. Lond., 1949.

Forms Proj. NM 003 041 09 02 (or, No. 150, v. 8) Rep. U. S. Nav. M. Res. Laborat.

Counsell, W. D. Night vision and aviation. Tr. Ophth. Soc. Australia, 1941, 3: 126–9.—**Hecht, S.** Sunlight harms night vision. Air Surgeon Bull., 1945, 2: 45.—**Heinsius.** Ueber Nachtsehen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 32.—**Iannone, A. B., & Totero, N. J.** Night vision indoctrination. Air Surgeon Bull., 1945, 2: 44.—**Night** adaptation. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 4c, 1.—**Night** vision. Ibid., App. 14a, 28.—**Paiva Gonçalves.** A visão noturna dos combatentes. Rev. méd. cir. Brasil, 1944, 52: 527–39.—**Rose, H. W., & Schmidt, I.** Influencing the dark-adaptation. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 4b, 1–8, 3 pl.—**Yamazaki, S., & Kaneko, H.** Night vision; training in the Japanese Navy Air Force. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 243, 1–7.

—— Test.

See also **Night vision,** Test.

Gault, H. W. The testing of night vision at a naval training depot. Tr. Ophth. Soc. Australia, 1941, 3: 125.—**McEachern, D., Layton, B. D. B., & Burr, E. G.** Canadian Army night vision training and testing unit. War Med., Chic., 1944, 5: 283–91.—**Radium** plaque adaptometer (night vision) test [Form letter] Bumed News Lett., Wash., 1944, 4: No. 9, 28.—**Schonberg, A. L.** Plans for inexpensive improvised biophotometer. Mil. Surgeon, 1944, 94: 308–11.

VISUAL coincidence reaction test.

See with **Bombardier.**

VISUAL field.

Blum, H. F., & Fisher, M. B. Measurements of visual fields with the perimeter under conditions of physiologic stress. 10p. 26½cm. Bethesda, 1945.

Forms Rep. No. 1, Res. Proj. X-149, U. S. Nav. M. Res. Inst.

Keil, F. C., jr. Visual fields in the dark adapted state. 13 l. 27cm. Randolph Field, 1942.

Forms Rep. No. 1, Proj. No. 35, U. S. Air Force School Aviat. M.

—— The effects of low barometric pressure on the field of vision. 10p. 27cm. Randolph Field, 1943.

Forms Rep. No. 1, Proj. No. 158, U. S. Air Force School Aviat. M. Also forms Rep. No. 171, Com. Aviat. M. U. S. Nat. Res. Counc.

Livingston, P. C. Report on effects of anoxia, carbon-monoxide, diabetes on the field of vision. 7 l. 23cm. Lond., 1942 [?]
Forms F. P. R. C. No. 451, Gr. Britain Flying Pers. Res. Com.

Low, F. N. Studies and investigations in connection with a test for peripheral visual acuity, technique applied to night vision; results of early experiments. 8p. 28cm. Wash., 1944.
Forms No. 332, Rep. Com. Aviat. M. U. S. Nat. Res. Counc.

—— The development of simple form acuity in the retinal periphery during dark adaptation under scotopic conditions. 24p. 28cm. Wash., 1945.
Forms No. 464 of preceding study.

—— Some characteristics of peripheral visual performance. [1] l. 28cm. Wash., 1946.
Forms No. 503 of preceding study.

Loy, A. W. The correlation of the results of recent experiments on peripheral vision. Mil. Surgeon, 1930, **67**: 17–21.—**Measurements** of visual fields with the perimeter under conditions of physiologic stress. Summaries Res. U. S. Nav. M. Res. Inst., 1945, July–Dec., 3.

VISUAL search.

Brown, C. W. Comparative effectiveness of speed of detection of visual stimuli in the prone and seated positions. 18p. 27cm. Dayton, 1948.
Forms No. MCREXD–694–4I, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Carpenter, A. A study of the involuntary blink rate during prolonged visual search. 14 l. 29½cm. Lond., 1945.
Forms F. P. R. C. No. 586b, Gr. Britain Flying Pers. Res. Com.

King, S. D., & Oldfield, R. C. The movements of the eyes in searching for an inconspicuous object. 11 l. 28cm. Lond., 1946.
Forms F. P. R. C. No. 678 of preceding Res. Com.

Mackworth, N. H. Faulty perception caused by blank spells without signals during experiments on prolonged visual search. 16 l. 27cm. Lond., 1945.
Forms F. P. R. C. No. 586a of preceding Res. Com.

—— Effects of heat and high humidity on prolonged visual search as measured by the clock test. 19 l. 26½cm. Lond., 1946.
Forms F. P. R. C. No. 586c of preceding Res. Com.

Oldfield, R. C. Visual coverage afforded in a single fixation; the probability of perceiving an inconspicuous object displaced from the fixation point. 9 l. 27cm. Lond., 1946.
Forms F. P. R. C. No. 679 of preceding Res. Com.

—— Visual search for an inconspicuous object. 14 l. 27½cm. Lond., 1947.
Forms F. P. R. C. No. 681 of preceding Res. Com.

VISUAL standards.

See **Vision,** Standards; also **Aviator,** Eye.

VISUAL tract.

See also **Blind; Eye; Eye injury.**

Kaltwasser, D. Kriegsverletzungen der Sehspäre. Beitr. Heilk. (Abt. Augenh.) Berl., 1920, H. 1, 1–45, 10 pl.

VITAL capacity.

See **Lung.**

VITAL statistics.

See under **Statistics.**

VITAMIN.

See also **Nutrition,** Caloric and other requirements; **Wound,** Treatment: Vitamin.

Diller, H. Neu Ergebnisse der Vitaminforschung im Jahre 1939, mit besonderer Berücksichtigung der Lebensmittelchemie und Pharmazie. p. 33–128. 20½cm. Berl., 1943.
Veröff. Heer. San., 1943, No. 113.

Abdülkadir Noyan. Vitaminsizlik hastaliklari, ordu ve memleketimizde durumu. Askerî sihhiye mecmuasi, 1944, **73**: No. 43, 60–79.—**Adam, S. M. M.** La chimie des vitamines. Rev. Serv. san. mil., Par., 1939, **111**: 515–59.—**Comel, M.** Vitaminología clínica. Rev. san. mil., La Paz, 1938, **4**: 594–7.—**Demole, V.** A survey of vitamin research in Switzerland during the war, 1939–45. Proc. Nutrit. Soc., Cambr., 1946–47, **5**: 317–22.—**Estado** de ciertas cuestiones relativas a las vitaminas, basado en las recomendaciones de la Comisión cooperativa sobre vitaminas [Asoc. med. amer.] Rev. san. mil., Habana, 1940, **4**: 152–70.—**Fierro del Río, L.** Las vitaminas hidrosolubles. Rev. Esc. méd. mil., Méx., 1944, **3**: No. 17, 2–20.—**Gatti, C. F. J.** Vitaminas; consideraciones generales; actualización de lo estudiado. Rev. san. mil., B. Air., 1938, **37**: 331; passim.—**Hall, W. W.** Recent advances in the knowledge of the vitamins. U. S. Nav. M. Bull., 1939, **37**: 46–52.—**Harding, T. S.** Vitamins at war. Med. Rec., N. Y., 1943, **156**: 560.—**Hatting, D.,** & **Gatica González, S.** Las vitaminas hidrosolubles. Rev. san. nav., Valparaíso, 1937, **7**: 211–27.—**Jančič, M. S.** [On vitamins] Voj. san. glasnik, 1940, **11**: 143–56.—**Klemola, V.** Experimentalla studier på militärhästar över vitaminers inverkan på produktionen av vissa keratinämnen. Förhandl. Nord. vet. (1933) 1934, 4. meet., 717–36, illust.—**Ławrynowicz, A.,** & **Piotrowska, H.** [Effect of the extract of vitamins on the growth of bacteria] Lek. wojsk., 1931, **17**: 215–9.—**Modern** views on vitamins and their functions. J. R. Army M. Corps, 1934, **62**: 419–24.—**Roquette-Pinto.** Guerra e vitaminas. Resenha med., Rio, 1942, **9**: 608–15.—**Ryles, C. S.** Vitamins. J. R. Army M. Corps, 1942, **79**: 83–90.—**Sevket Artamh** [Vitamins] Askerî sihhiye mecmuasi, 1939, **68**: No. 27, 108–13.—**Vedeler, E.** [Brief orientation on vitamins] Norsk Tskr. mil. med., 1929, **33**: 102–4.—**Zamfir, D.** Concepţii noi despre vitamine. Rev. san. mil., Bucur., 1937, **36**: 625–34.

—— Determination.

Diller. Ueber die chemische Bestimmung der Vitamine. Veröff. Heer. San., 1938, H. 106, 82–99.—**Gemeinhardt, K.** Bericht über die Besprechung des Ausschusses zur Festlegung der chemischen Vitamin-Bestimmungsmethoden. In: Wehrmachtverpflegung, Dresd., 1942, **1**: 85–8.

—— Nutritional aspect.

Andrea, W. A. The ascorbic acid, riboflavin and thiamin content of cereal sprouts and their possible dietary uses. 16p. 28cm. Ottawa, 1944.
Forms No. C–6046A, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Alcázar, A. Higiene alimenticia; algo sobre las vitaminas. Bol. farm. mil., Madr., 1936, **14**: 2; 77; 129.—**Andrea, W. A.,** & **Hunter, M. E. F.** Vitamin requirements in damage and convalescence. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6135, 1–26, 7 fig.—**Folena, U.** Problema alimentare e vitamine. Gior. med. mil., 1929, **77**: 653–9.—**Gemeinhardt, K.** Vitaminkontrolle in der Wehrmacht. In: Vitaminversorgung d. Truppe, Berl., 1942, 85–93.—**Oehman, G.** Vinterbivackeringens inverkan på den finska arméhästens näringsbehov. Förhandl. Nord. vet. (1933) 1934, 4. meet., 737–62.—**Payva, C. A.** Contribución al estudio bromotológico del paiche. Rev. san. mil., Lima, 1938, **11**: 147–55.—**Schenck.** Erfahrungen über die Vitaminversorgung der Feldtruppe. In: Vitaminversorgung d. Truppe, Berl., 1942, 7–27.—**Smale, L. E.** Vitamins essential in nutrition. U. S. Nav. M. Bull., 1945, **44**: 530–7.—**Stutz, E.,** & **Weispfenning, W.** Vitaminuntersuchungen in der Kriegsmarine unter Berücksichtigung der Frage: synthetische und natürliche Vitamine? Deut. Militärarzt, 1939, **4**: 212–7.—**Tablica** soderżanija vitaminov v piśćevykh produktakh po Scheinertu [tab.] Sborn. instr. metod. mat. evakohosp., 1942, No. 6, 103–9.—**Vogel.** Die Anlagen der Deutschen Versuchsanstalt für Ernährung und Verpflegung in Dachau. In: Vitaminversorgung d. Truppe, Berl., 1942, 125–9.—**Vokoun, F. J.** Vitamine hysteria. Mil. Surgeon, 1937, **81**: 270.

—— Pharmaceutical preparations.

United States. Veterans Administration. Technical bulletin TB 10–19: Multi-vitamins, authorization to use. 2p. 27cm. Wash., 1946.

[**Preparation** of vitamin infusions from pine needles] Voen. san. delo, 1942, No. 10, 86.—**Sydenstricker, V. P.** The role of vitamin concentrates in war and in post-war food relief in Europe. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 339–44.—**Vitamin** concentrates. Bull. U. S. Army M. Dep., 1946, **5**: 500.

—— Supply.

Vitaminversorgung (Die) der Truppe. 136p. 20cm. Berl., 1942.

Fleisch, A., & **Petitpierre, C.** Vitamines et sels minéraux en Suisse avant et pendant la guerre. Schweiz. med. Wschr., 1945,

75: 680–3.—**Pacini, A. E.** Vitamins and the war. Health Cult., N. Y., 1942, **48:** No. 4, 14–6.—**Plimmer, R. H. A.** Vitamins in wartime. S. Thomas Hosp. Gaz., Lond., 1940, **38:** 32–5.—**Schreiber.** Vitaminversorgung der Truppe. In: Vitaminversorgung d. Truppe, Berl., 1942, 75–84.—**Vitamins** for war. J. Am. M. Ass., 1940, **115:** 1198.—**West, H. F.** The practical use of vitamins in wartime. California West. M., 1944, **61:** 295–7.—**Ziegelmayer, W.** Massnahmen der Heeresverwaltung zur Sicherung des Vitaminbedarfs und Erhaltung der Vitamine. In: Vitaminversorgung d. Truppe, Berl., 1942, 43–74.

—— Therapeutic use.

See also **Vitamin deficiency.**

Efremov, V. V. [Use of vitamins in evacuation hospitals] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 209–14.—**Miladinović, M. V.** [Vitamins; their significance and use] Voj. san. glasnik, 1940, **11:** 769–73.

—— Vitamin A.

See also **Night vision** and subheadings.

Abderhalden, E. Die Bedeutung des Vitamins A für den Luftschutz. Schweiz. med. Wschr., 1939, **69:** 1005.—**Auffret, C., & Tanguy, F.** Vitamine A et carotène dans le sang de soldats africains d'une même unité à Dakar. Algérie méd., 1948, **51:** 185.—**Bean, W. B., Henderson, C. R.** [et al.] Vitamin A. In: Prev. Med. in World War II, Wash., 1948, **10:** 120.—**Effects** of subnormal temperatures on vitamin A levels in blood and tissues in the rat. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 129.—**Fanlo, F.** Vitamina A; aceite de hígado de bacalao. Bol. farm mil., Madr., 1934, **12:** 65–7.—**Ferrer, O.** La hipovitaminosis A como problema alimenticio durante la guerra y la paz. Vida nueva, Habana, 1942, **49:** 217–42.—**Gerstle, M. L.,** jr. Miosis from excessive ingestion of vitamin A over a period of 40 days. U. S. Nav. M. Bull., 1945, **44:** 833.—**Hutter, H. J.,** & Dieter, E. J. Vitamin A deficiencies in Army drivers. Mil. Surgeon, 1943, **93:** 31–3.—**Kołodziejska, Z.** [Rôle of vitamin A in pathology] Lek. wojsk., 1930, **16:** 243–9.—**Lacy, F.** Methods of assaying vitamin A status of human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 42–4.—**Lenz.** Vitamin A. CIOS Rep., Lond., 1944, Item 24, No. X–14 & XII–23, 19.—**Tomaszewski, W.** Zagadnienie wydalania witaminy A w moczu. Lek. wojsk., 1941, **34:** 120.—**Tutui, Y., & Suzuki, Z.** Untersuchungen über A-Hypovitaminose bei 100 Soldaten. Jap. J. M. Sc., Ophth., 1942–43, **3:** 692.—**Vitamin A** content of animal feeds restricted by Federal War Production Board; suggested program outlined. J. Am. Vet. M. Ass., 1942, **100:** 210.—**With, T. K., & Ødegaard, K.** The vitamin A reserve of the population in Denmark and Norway during the war. J. Hyg., Lond., 1947, **45:** 88–92.—**Zeller, E. A.** Ueber die Vitamin A-Versorgung der schweizerischen Truppe. Vjschr. schweiz. Sanitätsoff., 1945, **22:** 104–11.

—— Vitamin B.

See also **Pantothenic acid; Paraaminobenzoic acid; Pyridoxine.**

Columban, M. Vitamina B. Rev. san. mil., Bucur. 1937, **36:** 737–46.—**Hosokawa, S.** Kakusyu vitamin B seizai oyobi sigai-sen syōsya syoti-seru kōbo-zai ni yoru hatuka-nezumi hatuiku ni oyobosu eikyō no zikken [Experiments on the effect of various vitamin B preparations and of yeasts treated by ultraviolet radiation on the growth of mice] Kaigun gun ikai zassi, 1935, **24:** 208–12.—**Perekładowski, A., & Jędrzejowska, A.** [Research work on the presence of vitamins of the B group in the bread of soldiers and prisoners] Lek. wojsk., 1929, **13:** 440–8.

—— Vitamin B_1 (Thiamine)

See also **Disease**—by specific types: **Beriberi.**

Bean, W. B., Henderson, C. R. [et al.] Vitamine B_1; thiamine. In: Prev. Med. in World War II, Wash., 1948, **10:** 121.—**Cruickshank, E. K.** Painful feet in prisoners-of-war in the Far East. Lancet, Lond., 1946, 2: 369–72.—**Diller.** Zur chemischen Bestimmung von Vitamin B I. Veröff. Heer. San., 1940, H. 111, 41–62.—**Hukui, N., Sugita, T., & Itō, H.** Kokusyō-zi Kaigun kaizyō butai ni okeru vitamin B-ketubō zyōtai ni tuite [Latent B-avitaminosis in naval units at sea during the extremely hot season] Kaigun gun ikai zassi, 1936, **25:** 493–503.—**Kadykov, B. I. Verakso, N. V., & Sadikova, N. V.** Zhidkie pitjevye drożźi kak istoćnik belka i vitamina B. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 361–5.—**Kayasima, K.** Beriberilike symptoms of the crews of a destroyer which were thought to have been caused by wrong cooking. Bull. Nav. M. Ass., Tokyo, 1938, **27:** No. 3, 2.—**Marlatt, A. L.** The thiamin status of human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 46–8.—**Rezende, J.** Vitaminas em oftalmologia. Arq. brasil. med. nav., 1947, **8:** 1109–31.—**Shapiro, A. L.** Blindness and multiple neuritis from vitamin B deficiency. Med. Bull. Veterans Admin., 1943–44, **20:** 106.—**Suenaga, D.** Vitamin B ketubō-syō ni oyobosu taiyō kōsen no eikyō [The effect of the sun's rays on Vitamin B deficiency diseases] Gun idan zassi, 1930, 375–408, 8 tab.—**Taguti, B., & Isino, S.** Kōbo zōsyoku ni yoru vitamin B no teiryō ni tuite [A quantitative estimation of vitamin B through the multiplication of yeast] Ibid., 1928, 379–420.—**Tiamina;** arma de guerra? Impr. méd., Rio, 1943, **18:** No. 351, 146.

—— Vitamin B_2 (riboflavin)

Scott, J. G. Corneal vascularity as a sign of ariboflavinosis. J. R. Army M. Corps, 1944, **82:** 133–5.—**Smith, M. B.** Riboflavin status in human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 48.

—— Vitamin B_6 (pyridoxine)

Chatlin, D. Pyridoxine status in human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 50.

—— Vitamin B complex.

See also **Nicotinic acid; Pantothenic acid; Paraaminobenzoic acid.**

Arce Queirolo, A. El complejo vitamínico B. Rev. san. mil., Asunción, 1944, No. 143, 311; passim.—**Excretion** of lesser known vitamin B complex vitamins during restricted intake. Bull. U. S. Army M. Dep., 1946, **5:** 259.—**Kennedy, B.** Nicotinic acid and nutritional status tests. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 49.—**Lepkovsky, S.** The vitamin B complex. Ibid., 23–37.—**Velarde F., J. L.** Extracción y farmacología del complejo vitamínico B. Rev. san. mil., Lima, 1937, **10:** 50–63.

—— Vitamin C (Ascorbic acid)

See also **Scurvy.**

DULKIN, S. I. Ascorbic acid-like substances in foods and food products. 29 l. 27cm. Chic., 1947.

Forms Rep. No. 1, Proj. 7–84–12–03, Res. Rep. U. S. Quartermast. Food & Contain. Inst. Armed Forces.

PIJOAN, M., & HAUGEN, G. Vitamin C in bean sprouts. 8p. 27cm. Bethesda, 1944.

Forms Rep. No. 3, Res. Proj. X–333, U. S. Nav. M. Res. Inst.

—— & CATCHPOLE, H. R. Assay method for vitamin C content of biological material; application of dinitrophenylhydrazine reaction. 9p. 26½cm. Bethesda, 1944.

Forms Rep. No. 1 of preceding Res. Proj.

PIJOAN, M., & LOZNER, E. L. Vitamin C economy in the human subject. 15p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2 of preceding Res. Proj.

Andrea, W. A. Factors influencing the vitamin C content of germinated field peas. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 2, C. 6095, 1–13.—**Atkins, W. R. G., & Fisher, R. A.** The therapeutic use of vitamin C. J. R. Army M. Corps, 1944, **83:** 251.—**Bean, W. B., Henderson, C. R.** [et al.] Vitamin C; ascorbic acid. In: Prev. Med. in World War II, Wash., 1948, **10:** 123.—**Bodenhamer, G. S.** Ascorbic acid status of human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 44.—**Busch.** Der Vitamin-C-Bedarf des Menschen bei körperlicher Belastung. Deut. med. Wschr., 1944, **70:** 378.—**Campbell, J.** Methods for the determination of ascorbic acid in foods. Proc. Com. Nav. Med. Nat. Res. Counc. Canada, 1945, 4. meet., 91–6, ch.—**Columban, M.** Acidul ascorbic, vitamin C, importanța lui biologica și terapeutica. Rev. san. mil., Bucur., 1935, **34:** 500–5.—**Criscuolo, E., & Gatti, C. F. J.** La vitamina C en la clínica; su precarencia. Rev. san. mil., B. Air., 1941, **40:** 396–414.—**Dobrotvorsky, N. M.** [Ashberry infusion as a source of vitamin C] Voen. san. delo, 1943, No. 7, 54.—**Dottori, N. A.** Solución inyectable de ácido ascórbico. Rev. san. mil. argent., 1948, **47:** 126–36.—**Friedrich, T.** Vitamin-C-Gewinnung aus Gladiolen. In: Vitaminversorgung d. Truppe, Berl., 1942, 113–24.—**Gedda, E.** (Variability in the standard of vitamin C and capillary inconsistency, proved by Göthlin's test) Tskr. mil. hälsov., 1933, **58:** 134–9. ——— [Attempt to determine excretion of ascorbic acid in the urine with Tillmann's method] Ibid., 1938, **63:** 227–54, 5ch.—**Guzman Barrón, A.** La vitamina C en la sangre y en la orina; prueba de eliminación. Rev. san. mil., Lima, 1938, 11: 84–90.—**Harris, L. J.** Vitamin-C levels of schoolchildren and students in war-time. Lancet, Lond., 1942, **1:** 642–4.—**Holmes, H. N.** Vitamin C in the war. Science, 1942, **96:** 384–6.—**Horstmann, P.** [Investigations on vitamin C requirement and supply in a group of soldiers, quartered at the Odense barracks in 1940] Militaerlaegen, 1940, **6:** 137–50.—**Itō, K., Toda, K., & Tuzuki, T.** Tyōki kōkai-tyū ni okeru nyō-tyū Vitamin C haisetu-ryō no hendō ni tuite [Quantitative Veränderungen des im Harn ausgeschiedenen Vitamin-C während längerer Seefahrt] Kaigun gun ikai zassi, 1937, **26:** 267–78.—**Joslyn, M.** Notes on vitamin C. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 16–20.—**Kayasima, K.** Nyōtyū kangen-bussitu to Vitamin C sessyu-ryō ni tuite [Reduction products in the urine and the quantity of vitamin C eaten daily in vegetables] Kaigun gun ikai zassi, 1939, **28:** 149–62.—**Kobayasi, I.** Kaihei geka kanzya no nōsekizuieki-tyū vitamin C sokutei seiseki [Results in measurement of vitamin C in the cerebrospinal fluid of surgical cases in the Navy] Ibid., 1941, **30:** 1–13.—**Krainz, V.** Bericht über die Untersuchungen des

C-Vitaminbedarfs beim 65. Sportunteroffizierslehrgang der Heeressportschule in der Zeit vom 22. Januar bis 7. Februar 1939. Med. Klin., Berl., 1939, **35**: 1503–5.—**Lenz.** Vitamin C. CIOS Rep., Lond., 1944, Item 24, No. X–14 & XII–23, 18.—**Lorenz, A. J.** Vitamin C in national defense. Nutrit. Res., 1940–41, 1: 1.—**McNee, G. Z. L., & Reid, J.** Vitamin-C nutrition in the Royal Navy and in a section of the civilian population during wartime. Lancet, Lond., 1942, **2**: 538–40.—**Martínez Castilla, M.** Estudio de la vitamina C y de su contenido en diversos productos naturales. Bol. farm. mil., Madr., 1936, **14**: 110.—**Parri, W.** Il Karkadè come concentrato naturale di vitamina C. Gior. med. mil., 1936, **84**: 519.—**Pecci, J. D.** Contribución al estudio de la vitamina C en productos vegetales alimenticios del Paraguay. Rev. san. mil., Asunción, 1944, No. 143, 283; passim.—**Procerov, B. M., & Cherkasov, F. M.** Koncentraty i nastoj vitamina C. Voen. san. delo, 1940, No. 10, 89–95.—**Reta, J. A.** Contribución a la farmacología del ácido ascórbico. Rev. méd. mil., Méx., 1938, 1: 5–21.—**Riedy do Nascimento e Silva, F.** O emprego clínico da vitamina C. Arq. brasil. med. nav., 1941–42, **2**: 815–40.—**Risley, H. A., Thompson, J. F.** [et al.] A spot plate test for ascorbic acid. Bull. U. S. Army M. Dep., 1947, **7**: 1030–3.—**Rugg-Gunn, M. A.** Vitamin C and its relation to the Service. J. R. Nav. M. Serv., 1938, **24**: 109–205.—**S.** Vitamin-C-Mangel in der Armee. Schweiz. Apoth. Ztg, 1941, **79**: 492.—**Sabalitschka, T.** Bestimmung des Vitamins C mit Dichlorphenolindophenol. Veröff. Heer. San., 1943, **15**: No. 113, 5–32.—**Sandoz, L. M.** L'alimentation et les vitamines avec considérations spéciales sur l'usage de la vitamine C en odontologie. Vjschr. schweiz. Sanitätsoff., 1941, **18**: 92–103.—**Schmitz-Scholl, K.** Neue Wege zur Erschliessung natürlicher Vitamin-C-Quellen. In: Vitaminversorgung d. Truppe, Berl., 1942, 95–111.—**Stutz, E., & Reil, G.** C-Vitaminspiegeluntersuchungen während der Westindienreise der Segelschulschiffe Horst Wessel und Albert Leo Schlageter. Veröff. Marine San., 1938, H. 30, 147–56.—**Upwick, H. v. d.** Vitamine C-voorziening in oorlogstijd. Geneesk. gids, 1940, **18**: 682–6.—**Vedder, E. B.** A study of the antiscorbutic vitamin; the Wellcome prize essay, 1932. Mil. Surgeon, 1932, **71**: 505–15.—**Vitamin C** economy in the human subject. Summaries Res. U. S. Nav. M. Res. Inst., 1944, July, 27.—**Vitamin C** in the war. Vet. Med., Chic., 1943, **38**: 123.—**Wirz, F. G. W.** Die Hagebutte als hochwertiger Vitaminspender, ihre Sammlung, Verarbeitung und Verwendung. In: Vitaminversorgung d. Truppe, Berl., 1942, 29–42.—**Zanotti, M., & Ponzoni, M.** L'importanza della vitamina C nella razione alimentare del soldato. Gior. med. mil., 1948, **95**: 30–8.—**Zilva, S. S.** Vitamin C in collective feeding. J. R. Nav. M. Serv., 1941, **27**: 64–6.

—— Vitamin D.

Hollingsworth, J. E. Methods of assaying nutritional status of human subjects as to vitamin D in calcium. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 41.—**Morgan, A. F.** Late developments in vitamin D. Ibid., 13–5.

—— Vitamin E (tocopherol)

Emerson, G. A. Vitamin E. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 21.—**Kuhn.** Alpha-tocopherol. CIOS Rep., Lond., 1945, Item 24, No. XX–1, 10.

—— Vitamin K.

Dario Quiroz, J. Nuestros conocimientos actuales sobre la vitamina K. Rev. san. mil., Asunción, 1940–41, **14**: 41–8.—**Mehlman, J. S.** Vitamin K. Med. Bull. Veterans Admin., 1940–41, **17**: 274–82.—**Winkelman, M.** Vitamin K status in human subjects. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 52.

VITAMIN deficiency.

See also **Deficiency disease; Mouth,** Disease; **Neuritis; Osteomalacia; Polyneuritis; Ration,** Vitamin; **Rickets; Scurvy.**

WILBUR, D. L., & ARMSTRONG, C. D. The vitamins and vitamin deficiency disease. 28p. 26½cm. Wash., 1949.

Forms TB 10–51, U. S. Veterans Admin. Techn. Bull.

Bean, W. B., Henderson, C. R. [et al.] Normal ranges and levels suggestive of deficiency [tab.] In: Prev. Med. in World War II, Wash., 1948, **10**: 125.—**De Mare, N., & Brancato, F.** Alterazioni ematologiche nelle avitaminosi (studio critico e sperimentale) Ann. med. nav., Roma, 1929, **35**: 20–47.—**Dmitrieva, M. V.** O sostojanii trudosposobnosti posle tjaželogo alimentarnogo istoščenija i vyražennykh avitaminozov. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 115–7.—**Kato, K.** Las vitaminas y enfermedades por carencia; resumen histórico. Rev. san. mil., Asunción, 1940–42, **14**: 527–37.—**Ławrynowicz, A., & Bohdanowiczowna, Z.** [Avitaminosis as a favourable terrain for the development of factors of infection] Lek. wojsk., 1928, **11**: 268–74.—**Messias do Carmo, J.** Carências e avitaminoses de guerra. Rev. méd. cir. Brasil, 1945, **53**: 269–91.—**Ramzin, S.** O hipovitaminozi a i raspoznavanju. Voj. san. pregl., Beogr., 1947, 4: 232–5.—**Sezai Doralp** [Cases of vitamin-deficiency] Askerî vet. mecmuası, 1940, **18**: 222–45.—**Shulack, N. R., & Peters, M.** Spinal cord changes in avitaminosis. Bull. U. S. Army M. Dep., 1945, No. 88, 118–20.—**Simonnet, H.** Aperçu sur les vitamines et avitaminoses. Rev. vét. mil., Par., 1930, **14**: 261–82.—**Valladolid, F.** Vitaminas y avitaminosis. Rev. san. mil., Madr., 1934, **24**: 355; 1935, **25**: 1; passim.—**Vovsi, M.** Avitaminozy. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 34–6.

—— Incidence.

Back, H. Jak zabrániti avitaminosám v armádě. Lck. wojsk., 1941, **34**: 120.—**Claffy, F. P.** Report on ocular deficiency diseases in Singapore prisoner-of-war hospitals, 1942–45. Tr. Ophth. Soc. Australia, 1945, **5**: 59–71.—**Denny-Brown, D.** Military neurology in India with especial reference to deficiency syndromes in ex-prisoners of war. J. Nerv. Ment. Dis., 1947, **105**: 435–8.—**Foley, W. T.** Hemorrhagic vesicles and bullae of the mucous membranes of U. S. and British war prisoners in Japan, subsisting on a deficient diet. N. York State J. M., 1946, **46**: 2300–2.—**Inbona, J. M.** Evolution des avitaminoses chez les déportés après leur libération. Médecin fr., 1946, **6**: 53.—**Nardini, J. E.** Vitamin-deficiency diseases in allied prisoners of the Japanese. U. S. Nav. M. Bull., 1947, **47**: 272–8.—**Rabe, E. F.** A study of the serum vitamin and alkaline phosphates concentrations of the German population. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 4, 44–8.—**Reed, J. G.** Ocular symptoms in prisoners of war in Sumatra. Tr. R. Soc. Trop. M. Hyg., Lond., 1946–47, **40**: 411–20.—**Ridley, H.** Ocular manifestations of malnutrition in released prisoners of war from Thailand. Brit. J. Ophth., 1945, **29**: 613–8.—**Sugino, K.** Kinkō-tin hukin no sentō ni okeru vitamin ketubōsyō ni tuite [Vitamin-deficiency diseases in the fighting around the town of Hsin-k'ou] Gun idan zassi, 1940, 169–74.

—— Treatment [and prevention]

Krotkov, F. G. [Prophylaxis of avitaminosis in troops] Voen. med. J., Moskva, 1944, 69–76.—**Stenzel, F. R.** Prevention of vitamin deficiencies in wartime. N. England J. M., 1943, **229**: 859–62.

VITILIGO.

See also **Dermatosis.**

Grüner, F. Prilog oboljenju vitiligo. Voj. san. pregl., Beogr., 1949, **6**: 92.

VITREOUS.

See also **Retina.**

Angius, T. Scintillatio nivea corporis vitrei. Ann. med. nav., Roma, 1937, **43**: 55–62.—**Berkove, A. B.** Asthenopia and amblyopia caused by congenital lens-vitreous changes; study of 25 cases. Mil. Surgeon, 1943, **93**: 415–7.—**Cutler, N. L.** Transplantation of vitreous. Proc. Mil. Ophth. Meet., 1945, 134–46.—**Figueiredo, N. P. de.** Um caso de persistencia da artéria hialoidea; aspecto interessante de sua apresentação objetiva. Rev. med. mil., Rio, 1945, **34**: 89–100.—**Schweinitz, G. E. de.** Cysticercus of the vitreous. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 613, pl.—**Zolędziowski, Z.** [The process of resorption of hemorrhages in the vitreous body] Lek. wojsk., 1938, **32**: 46; 146, 2 pl.

VIVAX malaria.

See **Malaria,** Type: Vivax.

VIVISECTION.

Allen, F. M. War and the antivivisection racket. Hygeia, Chic., 1943, **21**: 412; 504; 532.—**Anti-vivisectionists** and protective medicine in the Army. Nature, Lond., 1918, **101**: 169.—**Gilchrist, H. L.** A new anti-vivisection bill. Mil. Surgeon, 1926, **59**: 347.—**Rogers, L.** The case against the anti-vivisectionists; their anti-public health and anti-war efforts, and their cruelty to animals. S. Barth. Hosp. J. War Ed., Lond., 1940–41, **2**: 130–4.—**Surgeon** General attacks arguments of antivivisectionists. Bull. U. S. Army M. Dep., 1946, **6**: 247.—**Woods, H. F.** Some war-time reflections; reprinted from the Anti-Vivisection newssheet. A–V, Phila., 1942, **50**: 11.

VLADIVOSTOK (1918–22)

See under **Wars and campaigns.**

VOCAL cord.

See also **Voice.**

Bekir, V. [Clinical study of cancer of the vocal cord] Askerî sıhhiye mecmuası, 1933, **62**: 1–20.

VOCATIONAL interest.

See under **Occupational specialty.**

VOCATIONAL training.

See also **Occupational specialty; Rehabilitation,** Veterans; **Veteran,** Education.

Barth, S., Erickson, C. E. [et al.] Better vocational guidance for defense. Occupations, 1941–42, **20:** 167–71.—**Counseling** youth for wartime jobs. Ibid., 1942–43, **21:** 5–8.—**Donahue, G. T.** Counseling in the Navy's off-duty educational program. Ibid., 1944–45, **23:** 209–12.—**Evans, G. R.** The Army separation classification and vocational counseling program. Ibid., 69–74.—**Jager, H. A.** Counseling the pre-inductee in 1945. Ibid., 213.—**Miller, L. M.** Vocational education on a county basis; how a small community can share in defense training. Ibid., 1940–41, **19:** 427–9.—**Nelson, A. G.** Types of vocational counseling problems; a study of two hundred disabled male veterans. J. Clin. Psychol., 1947, **3:** 252–6.—**Price, D. G.** Recent trends in the war production vocational training program. Occupations, 1942–43, **21:** 634–7.—**Smith, D. V.** Counseling for wartime jobs. Ibid., 233.—**Snyder, L.** The wartime manual in action. Ibid., 404.—**Studebaker, J. W.** Vocational guidance in wartime. Ibid., 1941–42, **20:** 487–92.

VOENNO-MEDICINSKAJA akademia.

See under **School,** Military medical school: Russia.

VOICE.

See also **Speech.**

Peacher, W. G. Speech disorders in World War II; dysphonia. Arch. Otolar., Chic., 1947, **46:** 282–92.—**Sanî Yaver.** Ses ve ses bozukluklari. Askerî sıhhiye mecmuası, 1944, **73:** No. 43, 25–35.

VOLKHOV Front.

See under **World War II.**

VOMITING.

See **Digestive system,** Disease; **Nausea; Nervous system,** Disease; **Stomach,** Disease.

VULVA.

See also **Genitals.**

Morassi, A., & Soljancic, A. Fibroma de la vulva. Rev. san. mil., Asunción, 1943, No. 139, 231–4.

WALDMANN vaccine.

See under **Foot and mouth disease.**

WALKING.

See **Crutch walking.**

WALKING appliance (caliper)

See **Fracture** subheadings (Apparatus; by site: Leg) **Plaster of Paris,** Apparatus; **Splint,** Types: Caliper splint; also next heading.

WALKING cast.

See also **Plaster of Paris,** Apparatus.

Bauman, C. S. Construction of a convalescent walker. Bull. U. S. Army M. Dep., 1944, No. 78, 119.—**Goldberg, D.** A practical walking cast for use under war-time conditions. Mil. Surgeon, 1944, **95:** 151–3.

WALKING stirrup.

See under **Splint,** Types.

WALTER Reed General Hospital.

See **Medical center,** U. S. Army.

WANGENSTEEN suction.

See under **Intestine;** also **Suction apparatus.**

WANSTEAD method.

See **Blanketing.**

WAR.

See also **Infant mortality; Militarism,** War types; **Nursery; Science; Theater of war;** also subsequent main headings.

British Information Services. Information Division circular No. 9. 5 l. 28cm. N. Y., 1943.

Robinson, W. J. War and revolution. p.63–136. 22½cm. Lond., 1927.

In his Doctor's Views on Life.

Cautiero, G. Monografia di guerra vissuta da un medico Gior. ital. mal. esot., 1935, **8:** 98; 126.—**Effect** (The) of war on medical progress. Brit. M. J., 1914, **2:** 926.—**England** (In) now, a running commentary by peripatetic correspondents. Lancet, Lond., 1940, **2:** 565; passim; 1941, **1:** 677; passim; 1942, **1:** 55; passim.—**Hartridge, H.** Some physiological aspects of the present war. Practitioner, Lond., 1940, **145:** 289–92.—**Lambert, S. W.** What the war has done for medicine. Med. Times, N. Y., 1918, **46:** 97.—**Mercier, R. G.** Guerra integral. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 42.

—— Bibliography.

Bibliography on war-problem, war-psychology, war-psychiatry, No. 1. 24p. 24cm. Haarlem, 1935.

Leipzig. Börsenverein der Deutschen Buchhändler. Die Kriegsschuldfrage. 176p. 19cm. Lpz., 1925.

Americas (The) and the war. Bull. Panamer. Union, 1942, **76:** 457–66.—**Literature** relating to the war. Canad. M. Ass. J., 1940, **43:** 285.—**Lyndenberg, H. M.** The classification of war books in the New York Public Library. Libr. J., N. Y., 1919, **44:** 514.—**Munn, R. R.** Special reference functions in wartime. In: Refer. Funct. Libr. (Chicago Univ. Libr. Inst.) 1943, 323–40.—**War** bibliographies discontinued [L. C.) A L A Bull., 1943, **37:** 237.—**War** literature. Canad. M. Ass. J., 1941, **44:** 196.—**Wartime** service of Biological Abstracts Science, 1941, **94:** 340.

—— Child welfare.

See also other subheadings; also **Civilian defense,** Protection of children.

Okamoto, T. Senzi-ka no ikuzi-hō. Saihan [Rearing children during a war] 2. ed. 230p. 18cm. Tōkyō, 1944.

United States. Children's Bureau. Publication No. 295: Community action for children in wartime. 9p. 23cm. Wash., 1943.

Action suisse de secours en faveur des enfants, à l'étranger. [Illustrations] Rev. internat. Croix Rouge, 1942, **24:** opp. p. 850.—**Albers, H.** Schwangerenfürsorge im Kriege. Gesundheitsführung, 1940, 17–21.—**Almack, J. C.** Helping the child face war. Health, Mount. View, 1942, **9:** No. 11, 4.—**Baruch, D. W.** Child care centers and the mental health of children in this war. J. Consult. Psychol., 1943, **7:** 252–66.—**Blome, K.** Kindergesundheit im Krieg. Gesundheitsführung, 1940, 363–5.—**Brooks, G. L.** The child in the war time local health program. J. Oklahoma M. Ass., 1944, **37:** 14–7.—**Building** a better world; 1943 school program for building better physical and mental health during wartime. Everybody's Health, S. Paul, 1943, **28:** No. 7, 14.—**Charter** (The) in terms of the children of the United States. Child, Wash. 1942, **6:** 246–8.—**Children** in wartime; parents' questions. N. York State J. M., 1942, **42:** 452–6.—**Children's** Bureau Commission on Children in Wartime; goals for children and youth as we move from war to peace. Child, Wash., 1943–44, **8:** 147–51.—**Clifford, M. L.** Safeguarding health of children in wartime. Connecticut Health Bull., 1942, **56:** 281–4.—**Conference** on planning for care of children in wartime held at University of Chicago. Welf. Bull., Springf., 1943, **34:** No. 8, 7.—**D., L.** A propos de l'action de secours en faveur des enfants. Rev. internat. Croix Rouge, 1942, **24:** 348; 516.—**France;** la Croix-Rouge française et l'enfance. Ibid., 1944, **26:** 661–4.—**Gesteira, M.** Pela criança, na guerra e no Brasil. Rev. med. cir. Brasil, 1944. **52:** 589–602.—**Hanauer.** Die Sommerpflege der Schulkinder und der Krieg. Ther. Mhefte, 1918, **32:** 230–6.—**Kaiser, R.** Aufgaben des Reichsbundes der Kinderreichen im Kriege. Gesundheitsführung, 1940, 85–7.—**Keeler, M.** The Children's Bureau in peace and in war. Child, Wash., 1942, **6:** 249–54.—**Kleinschmidt, H.** Kindergesundheit im Kriege. Gesundheitsführung, 1944, 131–4.—**Kovrigina, M. D.** [Future problems of child health care during the present war] Sovet. zdravookhr., 1943, No. 4, 20–9.—**Paravicini, M.** Die Kinderfürsorge des Schwelz. Roten Kreuzes. Praxis, Bern, 1943, **32:** 188.—**Red** Cross help for children. Bull. League Red Cross Soc., 1942, **23:** 59–64.—**Reymert, M. L.** The responsibilities of parents in war time. Welf. Bull., Springf., 1943, **34:** 4–6.—**Rodríguez Cabo, M.** Estabilidad económica de la familia y servicios sociales para los niños bajo las condiciones creadas por la guerra. Bol. Inst. protec. inf., Montev., 1942, **16:** 222–32.—**Schusselé, C. A.** Croix-Rouge Suisse, Secours aux enfants; le nouveau Centre d'accueil Henri-Dunant à Genève. Rev. internat. Croix Rouge, 1942, **24:** 941–3.—**Thatcher, L.** The care of children in war-time and after. Edinburgh Postgrad. Lect. (1940–41) 1942, **2:** 447–59.—**Wharton, E. H. B.** The defense of children. N. Orleans M. & S. J., 1942–43, **95:** 85–8.

—— Criminological aspect.

See also **War crime; War criminal;** also **Criminal; Delinquent.**

SELLIN, J. T. War and crime: a research memorandum. 24 l. 28cm. N. Y., 1942.

Brisby, F. H. War-time crime. Med. Press & Circ., Lond., 1943, **209:** 218–20.—**Evjen, V. H.** Delinquency and crime in wartime. J. Crim., Chic., 1942–43, **33:** 136–46.—**Ferencz, B. B.** Hostile French civilians. Ibid., 1944–45, **35:** 228–32.—**Mannheim, H.** Crime in wartime England. Ann. Am. Acad. Polit. Social Sc., 1941, **217:** 128–37.—**Rôheim, G.** War, crime and the Covenant. J. Crim. Psychopath., 1942–43, **4:** 731; passim.—**Searles, C.** War time rackets. Ibid., 501–3.—**Selling, L. S.** Specific war crimes. J. Crim., Chic., 1943–44, **34:** 303–10.—**Willbach, H.** Crime in New York City as affected by the war. Ibid., 371–6.

—— Demographic aspect.

See also **Infant mortality; Manpower,** Demography; **Morbidity; Mortality; Statistics.**

OGBURN, W. F. War, babies, and the future. 31p. 21½cm. N. Y., 1943.

Forms No. 83, Pub. Affairs Pamph.

SÁNCHEZ VERDUGO, J. Influencia de la guerra en algunos fenómenos demográficos. 24p. 27cm. Madr., 1947.

Forms Suppl. to No. 34, Bol. estadíst., Madr.

Béraud, A. Etude sur la natalité Pa la Rochelle depuis la guerre. Rev. gén. clin. thér., 1937, **51:** Var. ,551–9.—**Bernard, L. L.** Rate of natural increase in seven European countries in the nineteenth and twentieth centuries, surplus of births over deaths per 1,000 population, showing fluctuations in war years. In his Introduct. Sociol., N. Y., 1942, 419, tab.—**Bevölkerungsentwicklung** im Kriege; Eheschliessungen, Geburten und Sterbefälle im Jahre 1941, und im 1. Halbjahr 1942. Zbl. ges. Hyg., 1942–43, **50:** 644 (Abstr.)—**Carver, T. N.** The probable effect of the European War upon the redistribution of population. Scientia, Bologna, 1917, **21:** 144–51.—**Effects** of the war on human fertility. J. Am. M. Ass., 1942, **119:** 1036.—**Geigel.** Die Statistik nach dem Kriege. Münch. med. Wschr., 1919, **66:** 103.—**Gini, C.** Bevölkerung und Krieg; wechselseitige Einflüsse. Arch. Bevölk., 1943, **13:** 1–20.—**Guerra** e demografia. Difcsa sociale, 1940, **19:** 797.—**Guerra** e população. Impr. méd., Rio, 1943, **18:** No. 352, 127–9.—**Guilfoy, W. H.** Registration of births from the viewpoint of war's demands. Tr. Am. Ass. Study Inf. Mortal., 1917, **8:** 130–4.—**Hauser, P. M.** Population and vital phenomena. Am. J. Sociol., 1942–43, **48:** 309–22. —— War-time estimates of the population of the United States. Estadística, Méx., 1944, **2:** 104–10.—**Improved** vital statistics during war [Great Britain] J. Am. M. Ass., 1943, **123:** 852.—**Koller, S.** Erfolgsaussichten der Sterilitätsbekämpfung; Ueberlegungen über ein kriegswichtiges bevölkerungspolitisches Problem. Gesundheitsführung, 1944, 187–9.—**Maršálek, J.** Porodníkovy úvahy o poslední válce. Prakt. lék., Praha, 1949, **29:** 5–8.—**Moriyama, I. M.** Vital statistics during the war. Yale J. Biol., 1946–47, **19:** 453–60.—**Pieraccini, P., & Puccioni, L.** Della natalità e di alcune condizioni gravidico-fetali durante il periodo di guerra. Riv. ital. gin., 1923, **2:** 747–75.—**Sánchez Verdugo, J.** Influência da guerra em alguns fenómenos demográficos (transl.) J. méd., Pôrto, 1948, **12:** 67.—**Schade.** Heirat im Kriege; eine truppenärztliche Betrachtung. Gesundheitsführung, 1944, 135–7.—**Sharpe, F. A.** Vital statistics and war conditions. Med. Off., Lond., 1941, **66:** 199.—**Stocks, P.** Notes on war-time vital statistics. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1943, **2:** 90–2.—**Taeuber, C.** Wartime population changes in the United States. Milbank Mem. Fund Q., 1946, **24:** 235–50.—**Thompson, W. S.** The effects of war on population growth. In his Popul. Probl., N. Y., 1942, 44–9.—**Vital** statistics under war. Lancet, Lond., 1942, **1:** 201.—**War** (The) and the lowered birth rate. Ibid., 1915, **2:** 1306.—**Wright, Q.** Population controls among primitive peoples. In his Study of War, Chic., 1942, **I:** 566–8. —— Effect of war upon population among primitive peoples. Ibid., 569.

—— Effect on children.

See also **Civilian defense,** Protection of children; **Orphan; War victim.**

FREUD, A., & BURLINGHAM, D. T. War and children. 191p. 19½cm. N. Y., 1943.

HARTMAN, L. M. The effect of war conditions in Germany upon German school children. 70p. 33cm. Trier, 1919.

Forms Rep. Dep. San. Pub. Health Off. Civ. Gov. Am. Area, 1919, No. 8.

UNITED STATES. CHILDREN'S BUREAU. Bureau publication 282: Children in wartime, No. 1: To parents in wartime. 20p. 23cm. Wash., 1942.

Allport, G. W., & Veltfort, H. R. Children in wartime. J. Social Psychol., 1943, **18:** 209–14.—**Bashford, H. H.** Young Londoners in war. Lancet, Lond., 1942, **1:** 239.—**Burt, C., & Simmins, C. A.** The Cambridge Evacuation survey. Brit. J. Educ. Psychol., 1942, **12:** 71–5.—**Davis, A.** Clinical experiences with children in wartime. Welf. Bull., Springf., 1943, **34:** No. 3, 8–10.—**Dub, L. M.** Children in wartime. Med. Ann. District of Columbia, 1946, **15:** 160–2.—**Elliot, M. M.** Children in relation to the war. Bol. Soc. cubana pediat., 1943, **15:** 881–99.—**Europe's** new generation. Hospitals, 1941, **15:** No. 12, 67.—**Freudenberg, E.** Troubles with children in wartime. Tr. Conf. Probl. Early Inf., 1948, 2. Conf., 98.—**Gilmartin, J. A.** Some effects of the war upon child health in Pennsylvania. Pennsylvania M. J., 1944–45, **48:** 1137–45.—**Hall, C. M.** The effect of five years of war on the average child. Med. Press & Circ., Lond., 1945, **213:** 404–6.—**Harms, E.** The American child on his front of this war. Nerv. Child, 1942–43, **2:** 338–45.—**Kaszab, A.** L'enfance hongroise frappée par la guerre. Paediat. danub., Budap., 1949, **5:** 17–24.—**Lefèbvre, G., & Lefèbvre, R.** L'enfant dans la guerre. Rapp. Congr. hyg. scol., Par., 1947, 69–74.—**Lott, G. M.** Children in wartime. News Lett. Suffolk Co. M. Soc., 1942, **20:** 113–7.—**Mercier, M. H.** The suffering of French children. Nerv. Child, 1942–43, **2:** 308–12.—**Milligan, E. H. M.** The war; how have the children fared? Med. Press & Circ., Lond., 1944, **211:** 216–20.—**Moncrieff, A.** Children and the war. Canad. M. Ass. J., 1942, **46:** 192.—**Parry, R. H.** The child as a wartime problem. Northwest M., 1943, **42:** 244–50.—**Peller, L. E.** Freud, A., & Burlingham, D. T.: War and children [Bk. Rev.] Ment. Hyg., Alb., 1943, **27:** 664–7.—**Situation** des enfants après la guerre en Yougoslavie. Rev. internat. enf. Genève, 1930, **9:** 262–5.—**Stocker, H.** The great war and the children of Germany. Birth Control, N. Y., 1926–27, **10:** 92–106.—**Wattie, N. I.** The child under war conditions. Med. Off., Lond., 1941, **66:** 125; 133.

—— Effect on children: Mental effect.

See also **War neurosis,** juvenile; **Youth.**

BURLINGHAM, D. T., & FREUD, A. Young children in war-time. 81p. 17cm. Lond., 1942.

CHICAGO. INSTITUTE FOR PSYCHOANALYSIS. Growing up in a world at war. 29p. 19cm. Chic., 1942.

UNITED STATES. CHILDREN'S BUREAU. Barometers of wartime influences on the behavior of children and youth. 9p. 27cm. Wash., 1943.

Alcock, T. Conquering war strain in children. Am. J. Psychiat., 1945–46, **102:** 372–4.—**Aten, E. L.** Mental health problems of school children in time of war. Yearb. Texas Soc. Ment. Hyg., 1942, 24–7.—**Averill, L. A.** The war and the psychology of the child. Pedag. Semin., Worcester, 1919, **26:** 356–64.—**Baley, S.** O pewnej metodzie badań wpływów wojny na psychikę młodzieży. Rocz. psychiat., 1949, **37:** 33–8.—**Bender, L., & Frosch, J.** Children's reactions to the war. Am. J. Orthopsychiat., 1942, **12:** 571–86.—**Beverly, B. I.** Effect of war upon the minds of children. Am. J. Pub. Health, 1943, **33:** 793–8.—**Bicudo, V. L.** Higiene mental das crianças em tempo de guerra. Arq. brasil. hig. ment., 1944, **14:** 62–8.—**Carey-Trefzer, C. J.** The results of a clinical study of war-damaged children who attended the Child Guidance Clinic, the Hospital for Sick Children, Great Ormond Street, London. J. Ment. Sc., Lond., 1949, **95:** 535–59.—**Coghill, H. DeJ.** The effect of war on the behavior of children. Virginia M. Month., 1942, **69:** 429–36.—**Creveld, S. van.** The influence of war conditions upon emotional behavior and psychosomatic symptoms in children as observed in Holland. Tr. Conf. Probl. Early Inf., 1948, 2. Conf., 100–3.—**Despert, J. L.** Effects of war on children's mental health. J. Consult. Pyschol., 1944, **8:** 206–18.—**Dok, S. v.** De Amsterdamsche zuigeling in oorlogstijd; noodziekenhuis roemer visscherstraat. Tschr. sociale gencesk., 1946, **24:** 5–10, 2 pl.—**Gardner, G. E.** Child behavior in a nation at war. Ment. Hyg., Alb., 1943, **27:** 353–69. —— & **Spencer, H.** Reactions of children with fathers and brothers in the Armed Forces. Am. J. Orthopsychiat., 1944, **14:** 36–43.—**Gerard, M. W.** Psychology of pre-adolescent children in war time; psychological effects of war on the small child and mother. Ibid., 1943, **13:** 493–6. Also Pub. Inst. Neur. Northwest. Univ., 1943, **15:** No. 5, 493–6.—**Harris, J.** Answering children's questions [about the war] Ment. Hyg., Alb., 1942, **26:** 425–34.—**Hart de Ruyter, T.** Les enfants de guerre et d'après-guerre en relation avec la psychologie de guerre. Ann. méd. psychol., Par., 1947, **105:** 435.—**Helmholz, H. F.** Emotional disturbances of children in wartime. Minnesota M., 1943, **26:** 1044–6. Also Collect. Papers Mayo Clin. (1943) 1944, **35:** 657–60.—**Jameson, A.** Emotional needs of children in wartime. Welf. Bull., Springf., 1942, **33:** No. 10, 14.—**Jensen, R. A.** Children's psychosomatic complaints and the war. J. Lancet, 1944, **64:** 161–3.—**Jersild, A. T., & Meigs, M. F.** Children and war. Psychol. Bull., 1943, **40:** 541–73.—**Keir, G.** Special evacuation difficulties of the residential school child. Ment. Health, Lond., 1942, **3:** 1–8.—**Klein, E.** The influence of teachers' and parents' attitudes and behavior upon children in war time. Ment. Hyg., Alb., 1942, **26:** 434–45.—**Little, S.** Children in wartime; a mental hygiene approach to their care. Am. J. Nurs., 1943, **43:** 347–50.—**Lizarrituri, J.** Influencia de la guerra en el caracter del niño. Asistencia, Méx., 1943,

No. 26, 57–60.—**MacDonald, M. W.** Reflections of war in the adjustment of children. News Lett. Am. Ass. Psychiat. Social Work., 1942–43, **12**: 36–41. ——— Psychology of pre-adolescent children in war time; security for children in the world today. Am. J. Orthopsychiat., 1943, **13**: 514–6.—**Mental** effects of wartime upon children. J. Iowa M. Soc., 1942, **32**: 385.—**Mercier, M. H.,** & **Despert, J. L.** Psychological effects of the war on French children. Psychosomat. M., 1943. **5**: 266–72.—**Michaels, J. J.** Note on evacuation and the isolated child. Am. J. Orthopsychiat., 1947, **17**: 176–8.—**Murphy, L. B.** Psychology of pre-adolescent children in war time, the young child's experience in war time. Ibid., 1943, **13**: 497–501.—**Neustatter, W. L.** Some war-time psychological problems of children. Practitioner, Lond., 1941, **146**: 320–5.—**Odlum, D. M.** Some observations on the reaction of children to wartime conditions as seen in a child guidance clinic. Zschr. Kinderpsychiat., Basel, 1946–47, **13**: 173–80. ——— Psychological effects of the war on British children. J. Am. M. Women Ass., 1947, **2**: 172–7. Also Schweiz. Arch. Neur. Psychiat., 1948, **61**: 406.—**Papanek, E.** My experiences with fugitive children in Europe. Nerv. Child, 1942–43, **2**: 301–7.—**Pinar, A.** Las huellas de la guerra en el psiquismo infantil y juvenil. An. Hosp. Varsovia, Toulouse, 1949, **2**: No. 3, 1–3.—**Ross, H.** Psychology of pre-adolescent children in war time; emotional forces in children as influenced by current events. Am. J. Orthopsychiat., 1943, **13**: 502–4.—**Rouart, J.** Guerre et psychiatrie infantile. Evolut. psychiat., Par., 1947, No. 4, 81–94.—**Ruyter, T. H. de.** Les enfants de guerre et d'après-guerre en relation avec la psychologie de guerre. Méd. & hyg., Genève, 1947, **5**: 29.—**Sukhareva, G. E.** Psychologic disturbances in children during war. Am. Rev. Soviet M., 1947–48, **5**: 32–7.—**Thompson, J. A.** Pre-school and kindergarten children in war time. Ment. Hyg., Alb., 1942, **26**: 409–17.—**Williams, H. D.** Behavior problems of children in wartime. Nerv. Child, 1942–43, **2**: 346–52.—**Young, F. M.** Psychological effects of war on young children. Am. J. Orthopsychiat., 1947, **17**: 500–10.—**Young, J. M.** The effects of the war on school children. Med. Off., Lond., 1942, **68**: 97.

—— Effect on children: Physical effect.

See also **Disease**—by specific types: Deficiency disease; **Malnutrition.**

Biddau, I., & **Lorusso, G.** Sviluppo somatico, peso e altezza, degli scolari di Roma durante la guerra. Pediat. internaz., Roma, 1948, **1**: 51–60.—**Billington, E. M., McCance, R. A.,** & **Widdowson, E. M.** War-time growth of schoolboys. Nature, Lond., 1943, **152**: 187.—**Bransby, E. R.** The war-time growth of school children. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 212–5. ——— Further note on the wartime growth of schoolchildren. Ibid., 1946, **5**: 57–60.—**Child** health and the war. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 161.—**Childhood** disease in war time. Iowa Pub. Health Bull., 1942, **56**: No. 2, 4–11.—**Cusmano, L.** Il comportamento della immaturità neonatale nel periodo bellico. Lattante, 1947, **18**: 9–20.—**Groot, J. de.** Over den invloed welke de laatste oorlogsmaanden gehad hebben op de ontwikkeling der kinderen, geboren in en na deze periode, mede in verband met het toenemen van het aantal aangeboren misvormingen. Tschr. sociale geneesk., 1947, **25**: 117–23.—**Lauener, P.** Die Entwicklungsverhältnisse bernischer Kinder während des Krieges. Gesundheit, Zür., 1944, **24**: 675–80.—**Milligan, E. H. M.** The physical and nutritional condition of children in war-time 1941, Jan.–Feb., to 1943 Jan.–Feb. Med. Off., Lond., 1943, **70**: 13; passim. ——— Evacuee children. Ibid., 93; 101. ——— & Lewis-Faning, E. A study of the physical and nutritional condition of children in war-time. Ibid., 1942, **67**: 77; passim. ——— Growth of infants in the first year of life; a comparison between war years as compared with pre-war years in the town of Glossop. Ibid., 1944, **71**: 13; 21; 29.—**Osmun, M.** The premature infant. Med. Bull. Europ. Command, 1949, **6**: No. 2, 16–9.—**Starvation** (The) of children in occupied countries. J. Am. M. Ass., 1943, **121**: 1104.—**War** baby growing up. Lancet, Lond., 1940, **2**: 555.

—— Effect on school hygiene and education.

See also **Education,** medical—in war; **Student; Training,** Civilian schools; **University.**

Solbrig, O. Uebersicht über den jetzigen Stand der Schulgesundheitspflege mit besonderer Berücksichtigung der durch den Krieg geschaffenen Verhältnisse. p.221–88. 25½cm. Berl., 1919.

Erg. Hyg., 1919, **3**:

Ballou, F. W. Study of intrasemester pupil turn-over. In: Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 11, 4525–51.—**Chen, C. J.** The influence of war upon schools and students in Chengtu, China. McGill M. J., 1945, **14**: 37–40.—**Edgar, J. W.** The effect of war conditions on interest and enrollment in schools of defense areas. Yearb. Texas Soc. Ment. Hyg., 1942, 28–32.—**Effect** of the war on medical and premedical education analyzed; training and selection of students outlined. Ohio M. J., 1943, **39**: 365.—**Embree, R. B., jr.** The college personnel program in a nation at war. Proc. Virginia Acad. Sc., 1941–42, 260 (Abstr.)—**Hanauer.** Die Schulhygiene im Kriege. Zschr. ärztl. Fortbild., 1918, **15**: 467–9.—**Kleinschmidt, E. E.** School health programs in wartime. J. School Health, 1942, **12**: 221–30.—**Lyght, C. E.** Student health and the war. J. Lancet, 1943, **63**: 152.—**Mosny.** La guerre et l'hygiène scolaire. Rev. hyg., Par., 1915, **37**: 289–312. Also Rev. sc., Par., 1915, 113–21.—**Ping Ling.** Moral training of school children in war time. Pedag. Semin., Worcester, 1918, **25**: 276–302.—**Pulliam, R.** Education of children during war period. Welf. Bull., Springf., 1942, **33**: No. 3, 14.—**Ritenour, J. P.** Student health services in the war. Proc. Am. Student Health Ass., 1944, **23**: 25.—**Stelzner, H. F.** Schulhygiene und Kriegskinder. Halbmschr. soziale Hyg., 1917, **25**: 193; 201.

—— Legal aspects.

See also **Geneva Convention; Humanitarianism; Law,** International agreements; also various subheadings of **Red Cross; War damage.**

Brown, S. H. Les lois de la guerre selon la doctrine du droit international depuis 1919. Rev. internat. Croix Rouge, 1934, **16**: 367–87.—**Delater, G.** La guerre, et les lois de pitié. Presse méd., 1938, **46**: 1221.—**Scheuermann, H.** (Attempt to make future wars more humane) Militaerlaegen, 1934, **40**: 209–19.—**Schickelé.** Visibilité, signalisation et camouflage des formations sanitaires. Rev. internat. Croix Rouge, 1938, **20**: 302–16.—**Voncken.** L'humanité dans la guerre. Bull. internat. Serv. santé, Liége, 1937, **10**: 34.

—— Pathological effect.

See also **Warfare,** Diseases and injuries.

Guillaume, J. *L'influence des événements actuels sur la pathologie; étude comparative des affections médicales observées à l'Hôpital de Saint-Denis de juillet 1937 à août 1939, d'une part, et d'août 1940 à juillet 1942, d'autre part. 63p. 24cm. Par., 1942.

Lee, K. Disease in wartime. p.103–15. 21cm. Wash., 1942.

Photoprint of No. 6, v. 1, Editorial Res. Rep.

Benda, R. Guerre et tuberculose. Médecin fr., 1949, **9**: 109–11.—**Berkovich, I. M.,** & **Kassiura, M. B.** Osobennosti techenija zheludochno-kishechnykh zabolevanij u detej starshego vozrasta v voennoe vremja. Vest. Akad. med. nauk SSSR, 1946, No. 5, 52.—**Beznosova, S. N.** Detskie infekcionnye zabolevanija v Gorkom v gody Velikoj otechestvennoj vojny. Pediatria, Moskva, 1945, No. 6, 64–9.—**Böttner, A.** Ueber den Einfluss der Kriegskost auf die Salzsäuresekretion des Magens bei magengesunden Menschen. Med. Klin., Berl., 1917, **13**: 420.—**Delafontaine, P., Guillaume, J.,** & **Routier, J.** Influence de la guerre et de l'occupation sur la pathologie dans un hôpital de la banlieue parisienne. Sem. hôp. Paris, 1946, **22**: 874–7.—**Donini, F.** Guerra moderna e patologia della popolazione civile. Rass. giuliana med., 1945, n. ser., **1**: 63.—**Eusterman, G. B.** World wars and their bearing on medical practice, with special reference to digestive and tropical diseases. Collect. Papers Mayo Clin. (1943) 1944, **35**: 757–66. Also Proc. Mayo Clin., 1944, **19**: 41–5 (Abstr.)—**Grüneis, P.** Ueber Unterernährung und Mangelkrankheiten. Wien. klin. Wschr., 1946, **58**: 194–7.—**Hamperl, H.** Der Einfluss von Krieg und Nahrungsmittelmangel auf das Auftreten und den Verlauf von Erkrankungen vom Standpunkt des Pathologen. Ibid., 589.—**Hofmann, M.** Krieg und chirurgische Erkrankungen der Zivilbevölkerung. Münch. med. Wschr., 1917, **64**: 1137.—**How** war conditions affect human metabolism; lowered living rate due to strain and shock. Nurs. Times, Lond., 1942, **38**: 97.—**Inglese, R.** Le carenze alimentari nel morbo da fame bellico. Minerva med., Tor., 1947, **38**: 116–20.—**Kaplan, E. M.** Osoblivosti perebihu i likuvannja rakhitu vojennoho času. Pediat. akush. gin., 1946, No. 3, 14–9.—**Klotz, H. P.** Guerre et dénutrition. Médecin fr., 1949, **9**: 112–4.—**Nosov, S. D.** Korj za gody Velikoj otechestvennoj vojny. Pediatria, Moskva, 1946, No. 4, 11–6.—**Schnetz, H.** Der Einfluss von Krieg und Nahrungsmittelmangel auf das Auftreten und den Verlauf von Krankheiten vom Standpunkt der Internisten. Wien. klin. Wschr., 1946, **58**: 591–8.—**Simson, T.** Reaktivnye sostojanija u detej rannego vozrasta v uslovijakh voennogo vremeni. Pediatria, Moskva, 1946, No. 6, 47.—**Stegagno, G.,** & **D'Elia, M.** Ricerche sulla resistenza vasale degli scolari durante il periodo bellico. Pediat. internaz., Roma, 1948, **1**: 61–78.—**Tecoz, R. M.** L'influence des événements actuels sur la pathologie. Praxis, Bern, 1944, **33**: 471–3.

—— Psychological effect.

See also **Militarism,** Psychological aspect; also other subheadings of **War** (Effect on children: Mental effect) also **Psychological warfare.**

American Psychiatric Association. Military Mobilization Committee. Reactions of people under stress. Instruction schedule. No. 1–3. 3 Nos. 23cm. Utica, 1942.

Gillespie, R. D. Psychological effects of war on citizen and soldier. 251p. 21cm. N. Y., 1942.

Spont, H. Psychologie de la guerre. 282p. 19cm. Par., 1920.

Anglin, J. V. Presidential address. Proc. Am. Med. Psychol. Ass., 1918, **74:** 139–56.—**Bolton, E. B., & English, M.** Morale of a group of senior high-school girls [in war] J. Psychol., Provincet., 1944, **17:** 117–35.—**Bondy, R. E.** The individual's adjustment to severing community ties in 1942. Ment. Hyg., Alb., 1943, **27:** 16–9.—**Bortz, E. L.** Adjustment in wartime. Ann. Int. M., 1943, **19:** 457–69.—**Burtt, H. E.** The Subcommittee on Psychological Aspects of Readjustment. Psychol. Bull., 1943, **40:** 64.—**Cameron, D. E.** Wartime pressures. Canad. M. Ass. J., 1944, **51:** 114–20.—**Choisy, M.** Chant d'amour sur champ de bataille. Psyché, Par., 1948, **3:** 130–50.—**Conrad, H. S., & Sanford, R. N.** Some specific war-attitudes of college students. J. Psychol., Provincet., 1944, **17:** 153–86.—**Crile, G. W.** The vivisection of a nation. Surg. Gyn. Obst., 1915, **20:** 708–10.—**Dück.** Beitrag zum Kapitel: Sexualität und Weltkrieg. Zschr. Sexwiss., 1919–20, **6:** 347–9.—**Dukes, E.** The psychological effects of war on the family and its individual members. Am. J. Orthopsychiat., 1946, **16:** 64–73.—**Effect** of war conditions on mental health. Brit. M. J., 1943, **2:** 618.—**Fox, E.** War-time behaviour. Lancet, Lond., 1941, **2:** 411.—**Glover, E.** Ueber die durch den Krieg verursachten Aenderungen in unserer psychischen Oekonomie. Internat. Zschr. Psychoanal., Lond., 1940, **25:** 336–45. ——— Notes on the psychological effects of war conditions on the civilian population. Internat. J. Psychoanal., Lond., 1941, **22:** 132–46.—**Hall, G. S.** Some relations between the war and psychology. Am. J. Psychol., 1918–19, **30:** 211–23. ——— Some possible effects of the war on American psychology. Psychol. Bull., 1919, **16:** 48.—**Holbrook, C. S.** The effects of war on mental health. N. Orleans M. & S. J., 1939–40, **92:** 681–3.—**Hunter, W. S.** Psychology in the war. Am. Psychologist, 1946, **1:** 479–92.—**Jones, E.** Psychology and war conditions. Psychoanal. Q., 1945, **14:** 1–27.—**Meerloo, A. M.** Psychological war experiences in the Second World War. Psychiat. neur. bl., Amst., 1946, **49:** 398–417.—**Mills, H.** Psychological problems of war-time. Nurs. Times, Lond., 1940, **36:** 172; 204; passim.—**Moore, C. B.** Some psychological aspects of war. Pedag. Semin., Worcester, 1916, **23:** 367–86.—**Moorman, L. J.** War psychology and postwar perspective. J. Oklahoma M. Ass., 1945, **38:** 427–9.—**Pardo Zela, P. G. de.** The effect of the war on the indigenous populations of Peru and Bolivia. América indígena, Méx., 1944, **4:** 211–22.—**Psychological** aspects of war. Med. Press & Circ., Lond., 1940, **204:** 411.—**Psychology** and the war; notes. Psychol. Bull., 1942, **39:** 794.—**Report** of the Committee on war work. Proc. Am. Med. Psychol. Ass., 1920, **76:** 329–87.—**Richardson, L. F.** War-moods. Psychometrika, Colorado Springs, 1948, **13:** 147; 197.—**Roe, G. C. F.** Psychological effects of war. Pub. Health, Lond., 1939–40, **53:** 123.—**Rose, A. A.** The effect of the war on the social and emotional adjustment of college girls. J. Social Psychol., 1946, **24:** 177–85.—**S., H. C.** Behaviour in relation to war conditions; a preliminary enquiry. Ment. Health, Lond., 1942, **3:** 35–7.—**Thom, D. A.** The psychological response of adults and children to influences exerted by the war. Bull. N. England M. Center, 1943, **5:** 174–9.—**Yerkes, R. M.** Psychology in relation to the war. Psychol. Rev., 1918, **25:** 85–115.—**Young, F. M.** The psychological effects of war upon college students. J. Psychol., Provincet., 1943, **15:** 75–97.

—— Psychopathology.

See also **War hygiene; War neurosis; War psychosis.**

White, W. A. Thoughts of a psychiatrist on the war and after. 28p. 26cm. N. Y., 1919.

Air raid psychology. Lancet, Lond., 1917, **2:** 55.—**Alliez, J.** Menaces de guerre et troubles mentaux. Marseille méd., 1939, **76:** pt 2, 128–36.—**Aring, C. D., & Bateman, J. F.** Nurturing a national neurosis. J. Am. M. Ass., 1937, **109:** 1092–6.—**Bálint, I.** Epilepsiás karakterjelenségek megnyilvánulása háborús események kapcsán. Orvosok lap., 1946, **2:** 603–5.—**Braceland, F. J.** Psychoses and neuroses in war-time. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 67–72.—**Chatagnon, P., & Jouannais, S.** Influence des événements de guerre sur les psychopathies. Ann. méd. psychol., Par., 1939, **97:** pt 2, 610–7.—**Dai, B.** Divided loyalty in war; a study of cooperation with the enemy. Psychiatry, Balt., 1944, **7:** 327–40.—**Dellaert, R.** L'influence de la guerre sur le nombre de psychoses. J. belge neur. psychiat., 1943, **43:** 93–106.—**Dunham, H. W.** War and personality disorganization. Am. J. Sociol., 1942–43, **48:** 387–97.—**Effect** of war conditions on the mental health of the community; part of a report of a conference on mental health by the Provisional Council for Mental Health, London, October 29, 1943. J. Nerv. Ment. Dis., 1945, **101:** 166.—**Europe** darkened and silent is risking mental health. Science News Lett., 1939, **36:** 228.—**Feuillet, C.** Influence des conditions de guerre sur la fréquence de l'aliénation mentale. Rev. méd. Nancy, 1948, **73:** 107–18.—**Flanagan, N. B.** The promotion depression. J. Am. M. Ass., 1942, **120:** 1383.—**Follin, S.** Guerre et maladies mentales. Médecin fr., 1949, **9:** 115.—**Frank, L. K.** Problems of a war time society; opportunities and obligations of orthopsychiatry. Am. J. Orthopsychiat., 1943, **13:** 612–5.—**Hemphill, R. E.** The influence of the war on mental disease; a psychiatric study. J. Ment. Sc., Lond., 1941, **87:** 170–82.—**Hincks, C. M.** Let us remain sane in war time. Health, Toronto, 1940, **8:** 65.—**Hopkins, F.** Decrease in admissions to mental observation wards during war. Brit. M. J., 1943, **1:** 358.—**Hübner.** Ueber Wahrsager, Weltverbesserer, Nerven- und Geisteskrankheiten im Kriege. Korbl. Deut. Ges. Anthrop., 1918, **49:** 29.—**Kirman, B. H.** Admissions to mental wards in wartime. Brit. M. J., 1943, **1:** 614.—**Kramer, F.** Der Einfluss des Krieges auf organische Nervenkrankheiten. In: Handb. ärztl. Erf. Weltkriege, 1922–34, **4:** 333–42.—**Lohmann, A. A.** A influência dos acontecimentos políticos, revoluções e guerras, na produção de psicoses. Arq. Serv. nac. doenç. ment., Rio, 1943, 589–607.—**Mari, A.** Guerra e psicosi. Note psichiat., Pesaro, 1948, **74:** 17–30.—**Marui, K.** Senzi sinkei-syō ni tuite [On wartime nervous diseases] Gun idan zassi, 1927, 1329–48.—**Mental** illness during total war. Week. Bull. Oregon Bd Health, 1942, **20:** No. 14, 1–4.—**Minkowski, E.** Les conséquences psychologiques et psychopathologiques de la guerre et du nazisme. Schweiz. Arch. Neur. Psychiat., 1948, **61:** 280–302.—**Mira y López, E.** Psychological and psychiatric interpretation of war phenomena. In his Psychiatry in War, N. Y., 1943, 13–5.—**Nervous** disablement in war and industry. Lancet, Lond., 1935, **2:** 311.—**Pekelsky, A.** Pathogenèse des effets des nocivités de guerre dans le système nerveux. Rapp. Congr. internat. méd. pharm. mil., 1931, 6. Congr., **2:** 135–9.—**Pettis, J. B.** The effect of war on the mental health of civilian population. Virginia M. Month., 1942, **69:** 475–80.—**Raitzin, A.** Los semilocos. Sem. méd., B. Air., 1942, **49:** pt 2, 821–31.—**Robin, G.** La guerre peut-elle améliorer certaines anomalies mentales? Rev. méd., Par., 1940, **57:** 99–109.—**Rome, H. P.** War and its psychiatric problems. J. Nerv. Ment. Dis., 1945, **101:** 445–50.—**Rosenberg, E. H., & Guttmann, E.** Chronic neurotics and the outbreak of war. Lancet, Lond., 1940, **2:** 95–7.—**Schuurmans Stekhoven, W.** De gevolgen van schrik als oorlogsmoleststschade. Psychiat. neur. bl., Amst., 1943, **47:** 313–6.—**Symptoms** in the civil population engendered or augmented by the effects of war. South. M. & S., 1942, **104:** 571.—**Tolman, E. C.** Identification and the post-war world. J. Abnorm. Psychol., 1943, **38:** 141–8.—**War** (The) and nervous breakdown. Lancet, Lond., 1915, **1:** 189.—**Wilson, D. C.** The problem of the civilian maladjusted. Virginia M. Month., 1943, **70:** 449–51.—**Wright, M. B.** Psychological emergencies in war time. Brit. M. J., 1939, **2:** 576–8. Also in War Wounds (Brit. M. J.) Lond., 1939, 173–82.—**Young, R. H.** The psychiatric aspects of wartime adjustment. J. Omaha Clin. Soc., 1943, **4:** 54–8.

—— Social effect.

See also **Woman; Youth.**

Richter, L. Family life in Germany under the blockade. Preface by Bernard Shaw. 59p. 12° Lond., 1919.

Bossard, J. H. S. War and the family. In: Marriage & Family (Hill, R., & Becker, H.) Bost., 1942, 571–89.—**Charter, C. E.** How the war has affected family life in a small Canadian community. Canad. Nurse, 1943, **39:** 125–7.—**Frick-Cramer, R. M.** Au service des familles dispersées. Rev. internat. Croix Rouge, 1944, **26:** 307–16.—**Gentile, F. M.** The effects of the war upon the family and its members. Psychiatry, Balt., 1943, **6:** 37–49.—**Goldstein, S. E.** War, marriage, and the family. In his Meaning of Marriage, N. Y., 1942, 187–95.—**Harrison, S. M.** Attacking on social work's three fronts. Proc. Nat. Conf. Social Work, 1942, **69:** 3–21.—**Hofstätter, R.** Kriegseinflüsse. In his Arbeitende Frau, Wien, 1929, 22–39.—**Kaempffert, W.** War and technology. Am. J. Sociol., 1940–41, **46:** 431–44.—**Levy, D. M.** War and family life; report for the War Emergency Committee, 1944. Am. J. Orthopsychiat., 1945, **15:** 140–52.—**MacKenzie, C. G.** War and the family. Marriage & Family Liv., 1944, **6:** 43–6.—**Noble, N. S.** War and the family. Women in Med., 1942, No. 77, 22.—**Rice, T. B.** The American family in relation to the war. Bull. Dep. Health Lincoln, 1943, Aug., 4–7. Also Month. Bull. Bd Health Indiana, 1943, **46:** 174.—**Robinson, W. J.** Effects of the war on the American people. In his Doctor's Views on Life, Lond., 1927, 123–6.—**Rodriguez, M.** Estabilidad económica de la familia y servicios sociales para los niños bajo las condiciones creadas por la guerra. Asistencia, Méx., 1942, No. 11, 85–90.—**Seligman, B. Z.** Isaacs, S., Brown, S. C., & Thouless, R. H.: The Cambridge Evacuation Survey; a wartime study in social welfare and education [Bk Rev.] Man, Lond., 1943, **43:** 21–3.—**Tarnowsky, G. de.** The great melting pot; the amalgamation of our citizens through the war. J. Am. M. Ass., 1918, **70:** 1973.—**Welfare** and war. Lancet, Lond., 1941, **1:** 66.

WAR art.

United States. Library of Congress. An album of American battle art, 1755–1918. 319p. 31cm. Wash., 1947.

Imperial War Museum: the nation's war paintings. Lancet, Lond., 1920, **1:** 215.—**Prieto, P.** Los cuadros bélicos de Snayers del Museo del Prado. Ejército, 1943, No. 40, 22–30, 2 pl.—**War** art. Mil. Surgeon, 1943, **93:** 220.

WAR (Aspect of)

See the caption (in war; or, in wartime) under the following headings of this section: **Blood transfusion; Dermatosis; Disease; Drug supply; Epidemic; Food supply; Hospital administration; Hospital construction; Hospitalization; Hospital service; Medical care; Military medicine; Morale; Naval medicine; Naval surgeon; Neurology; Neuropsychiatry; Neurotic; Newborn; Nursing; Nutrition; Obstetrics; Ophthalmology; Orthopedics; Otolaryngology; Otorhinolaryngology; Peptic ulcer; Pharmacy; Physical therapy; Physical training;** Physician (various subheadings) **Practice; Psychiatry; Radiodiagnostics; Sanitation; School,** medical; **Science; Surgery; Typhoid; Venereal disease; Veterinary medicine.**

WAR bread.

See also **Bread.**

Carte (Sur la) de pain et sa nécessité. Bull. Acad. méd., Par., 1917, 3. ser., **78:** 419; 436.—**Dutcher, R. A.** Whole-wheat bread. Science, 1918, n. ser., **48:** 116.—**Historische** Betrachtungen über das Kriegsbrot, das Brotbacken, die Herstellung von Suppen, Fladen, Fladenbrot, Cakes, gesäuertem und gewürztem Brot, Kleienbrot, Not- und Vollkornbrot, über den Salz-, Zucker- und Fetthunger. Korbl. Allg. ärztl. Verein Thüringen, 1918, **47:** 69 &c.—**Klemperer, G.** Kriegsmehl, Mehlnährpräparate und Krankendiät. Ther. Gegenwart, 1917, **19:** 215–8.—**Kühl, H.** Kriegsbrot. Heilanstalt, Lpz., 1917, **12:** 53; 61.—**Landenberger, L. L.** Barley bread, optimum reaction and salt effect. Science, 1918, n. ser., **48:** 269.—**Spriggs, E. I.** War bread. Chem. News, Lond., 1918, **117:** 184. Also Lancet, Lond., 1918, **1:** 613.—**Substitutes** for wheat employed in making bread for the French Army. Sc. Am. Suppl., N. Y., 1918, **86:** 138.—**Zeresinbrot;** ein Vorschlag zur Streckung des Brotmehles. Bl. Volksgesundhpfl., 1917, **17:** 168.

WAR crime.

See also **War criminal.**

Alexander, L. War crimes; their social-psychological aspects. Am. J. Psychiat., 1948–49, **105:** 170–7. ——— War crimes and their motivation; the socio-psychological structure of the SS and the criminalization of a society. J. Crim., Chic., 1948–49, **39:** 298–326.—**Cololian, P.** Les crimes de guerre des Nazis. Paris méd., 1947, **37:** No. 21, I–III.—**Jaegerstab** (The) In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 524–95.—**Olea y Leyva, T.** Delitos y crímenes de guerra; ensayo de una teoria sobre la guerra y la paz. Criminalia, Méx., 1947, **13:** 325–54.—**Proof** (The) as to war crimes and crimes against humanity. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 181.—**Salgado, J. A. C.** Crimes de guerra; responsabilidade penal e processo. Arq. polic. civ., S. Paulo, 1948, **16:** 292–7.—**Slave** labor. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 385–623.

—— Atrocities.

See also **Geneva Convention; Humanitarianism.**

Hartmann, H. Höllenmarsch der Volksdeutschen in Polen, September 1939. 106p. 22cm. Berl., 1940.

Menkès, G., Herrmann, R., & Miège, A. Cobayes humains; enquête de trois médecins suisses dans les bagnes nazis. 93p. 20cm. Genève, 1946.

Odic, C. J. Stepchildren of France. 181p. 21cm. N. Y., 1945.

War on hospital ships; from the narratives of eye-witnesses. 20p. 8° Lond., 1917.

Atrocités (Les) allemandes devant le corps médical. Gaz. méd. France, 1946, **53:** 521–33.—**Daumezon, G.** Essai de recherche de la signification des assassinats de malades mentaux en Allemagne. Schweiz. Arch. Neur. Psychiat., 1948, **61:** 411–4.—**Greuel-Lügen** im politischen Kampf. Neues Volk, 1938, **6:** No. 3, 10–6.—**Janowitz, M.** German reactions to Nazi atrocities. Am. J. Sociol., 1946–47, **52:** 141–6.—**L., J.** Une conférence sur les atrocités scientifiques allemandes. J. prat., Par., 1946, **60:** Suppl., 342.—**Lavalée, G.** Témoignages de médecins sur les camps d'extermination en Allemagne. Concours méd., 1945, **67:** 409.—**Panning.** Nachweis der Wirkung von Kriegsfeuerwaffen an den volksdeutschen Mordopfern in Polen. Med. Klin., Berl., 1940, **36:** 577 (Abstr.)—**Rommeney.** Der Bromberger Blutsonntag. Deut. med. Wschr., 1941, **67:** 215.—**Wolf, S., & Ripley, H. S.** Reactions among allied prisoners of war subjected to three years of imprisonment and torture by the Japanese. Am. J. Psychiat., 1947–48, **104:** 180–93.

—— medical.

See also **War criminal,** medical.

Ivy, A. C. Report on war crimes of a medical nature committed in Germany and elsewhere on German nationals and the nationals of occupied countries by the Nazi regime during World War II. 22 l. 27cm. Nürnb., 1946.

Mitscherlich, A., & Mielke, F. Das Diktat der Menschenverachtung; eine Dokumentation. 175p. 19½cm. Heidelb., 1947.

—— Doctors of infamy; the story of the Nazi medical crimes. 172p. 21½cm. N. Y., 1949.

Ahnenerbe (The) Society. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 188.—**Alexander, L.** Committee for the Investigation of S. S. Medical Crimes. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 42.—**Appeal** from Soviet scientists. S. Afr. M. J., 1944, **18:** 173.—**Baruk, H.** La défense de la vie et le caractère sacré de la médecine à propos de l'expérimentation médicale criminelle. Presse méd., 1948, **56:** 551.—**Brutalities** (The) of Nazi physicians. J. Am. M. Ass., 1946, **132:** 714.—**Crimes** de guerre médicaux allemands. Ouest méd., 1949, **2:** 259; 285.—**Diamant-Berger.** Malade ayant subi des expériences chirurgicales en Allemagne. Bull. Soc. chir. Paris (1946) 1947, **37:** 251.—**Dworzecki, M.** Jetons l'anathème contre la science criminelle nazie. Rev. hist. méd. hébr., Par., 1948, 60–4.—**Enloe, C. F.,** jr. The German medical war crimes, their nature and significance. Rhode Island M. J., 1947, **30:** 801–5.—**Ivy, A. C.** Nazi war crimes of a medical nature. Fed. Bull., Chic., 1947, **33:** 133–46. Also Phi Lambda Kappa Q., 1947–48, **22:** No. 4, 5–12. ——— Nazi war crimes of a medical nature; some conclusions. J. Am. M. Ass., 1949, **139:** 131–5.—**Jurjev, A.** Medicinskie experimenty fašistskikh izuverov. Med. rabot., 1949, **12:** No. 41, 4.—**Medical** ethics. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 70–121.—**Medical** experiments. Ibid., 623–32.—**Medical** experiments in other countries. Ibid., 90–121.—**Medical** (The) service in Germany. Ibid., 184–8.—**Minkner, K., Wegener, H.** International Investigation Office for Medical SS-Crimes in the German Concentration Camps. CIOS Rep., Lond., 1945, Item 24, No. XXVI–37, 160–2.—**Subjection** to medical experimentation as substitute for penalties. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 44–61.—**War** crimes and medicine; the German betrayal and a restatement of the ethics of medicine. Manitoba M. Rev., 1949, **29:** 206–10.

WAR criminal.

See also **Experimentation,** human; **Murder.**

Kaczynski, M., Grzywo-Dąbrowska, M. [et al.] Zbrodnie niemieckie w stosunku do umysłowo chorych w Polsce (dane z zakładów psychiatrycznych) p.55–157. 25½cm. Warsz., 1949.

Rocz. psychiat., 1949, **37:**

Capitan. La psycho-pathologie criminelle des Austro-Allemands. Conf. Ass. fr. avance. sc., 1916, 65–84, illust.—**Julius, D.** War criminals in the light of social psychopathology. Acta med. leg. social., Brux., 1948, **1:** 324–39.—**Kelley, D. M.** Preliminary studies of the Rorschach records of the Nazi war criminals. Rorschach Res. Exch., 1946, **10:** 45–8.—**Pacheco e Silva, A. C.** Os criminosos de guerra. Impr. méd., Rio, 1949–50, **25:** No. 428, 25–31.

—— medical.

See also **War crime,** medical.

Becker-Freyseng, Hermann. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 281–5.—**Beiglboeck, Wilhelm.** Ibid., 290–2.—**Blome, Kurt.** Ibid., 228–35.—**Brack, Viktor.** Ibid., 277–81.—**Brandt, Karl.** Ibid., 189–98.—**Brandt, Rudolf.** Ibid., 235–41.—**Desoille, H.** Les médecins Nazis. Médecin fr., 1946, **6:** 377–80.—**Drinker, C. K.** Mitscherlich, A., & Mielke, F.: Doctors of infamy; the story of the Nazi medical crimes [Bk Rev.] Isis, Bost., 1949–50, **40:** 301.—**Faria, T. V. de.** Os médicos nazistas no II. processo de Nüremberg. Rev. med. Rio Grande do Sul, 1947–48, **4:** 148–65.—**Fischer, Fritz.** In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 296.—**Funck-Bretano, P.** Los crímenes de los médicos nazis. Rev. med. Pasteur, Méx., 1947, **1:** 110–4.—**Gebhardt, Karl.** In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, **2:** pt 2, 223–8.—**Genzken, Karl.** Ibid., 217–22.—**German** medical profession. Ibid., 86–90.—**Handloser, Siegfried.** Ibid., 198–207.—**Hoven, Waldemar.** Ibid., 286–90.—**Mrugowsky, Joachim.** Ibid., 241–8.—**Oberheuser, Herta.** Ibid., 294.—**Pokorny, Adolf.** Ibid., 293.—**Poppendick, Helmut.** Ibid., 248–53.—**Romberg, Hans Wolfgang.** Ibid., 272–7.—**Rose, Gerhard.** Ibid., 264–71.—**Rostock, Paul.** Ibid., 208–10.—**Ruff, Siegfried.** Ibid., 272–7.—

Schaefer, Konrad. Ibid., 285.—Schroeder, Oskar. Ibid., 210–7.—Sievers, Wolfram. Ibid., 253–63.—Weltz, Georg August. Ibid., 272–7.

—— Punishment.

Mikliszanski, J. K. War and law. J. Crim., Chic., 1943–44, 34: 240–4.—Sentences. In: Trials of War Crim. (Internat. Milit. Tribunal) Wash., 1949, 2: pt 2, 298–300.

—— Trial.

International Military Tribunal [Nürnberg, Germany] Trials of war criminals before the Nuernberg Military Tribunals under Control Council Law No. 10. v.2, The medical case. Pt 2. 898p. 23½cm. Wash., 1949.

Kelley, D. M. 22 cells in Nuremberg; a psychiatrist examines the Nazi criminals. 2. print. 245p. 21cm. N. Y., 1947.

Alexander, L. Sociopsychologic structure of the SS; psychiatric report of the Nürnberg trials for war crimes. Arch. Neur. Psychiat., Chic., 1948, 59: 622–34. Also J. Nerv. Ment. Dis., 1948, 108: 347–51.—Baider, R. I. Nürnbergskij process 23 nemecko-fašistskikh vraćej. Sovet. zdravookhr., 1948, 51–5.—Biddle, F. The Nürnberg trial. Proc. Am. Philos. Soc., 1947, 91: 294–302.—Doman, N. The Nuernberg trial. Bull. Am. Ass. Univ. Professors, 1946, 32: 83–91.—Dunn, W. H. A psychiatric survey at the Nuremberg trials. Bull. U. S. Army M. Dep., 1947, 7: 274–84.—Hantel, E. Gedanken zum Nürnberger Aerzteprozess. Hippokrates, Stuttg., 1947, 18: 202–4.—Imbona, J. M. Le procès des médecins allemands. Médecin fr., 1947, 7: 346–9.—Ivy, A. C. Nazi war crimes of a medical nature. Bull. Chicago M. Soc., 1946–47, 49: 296–300.—Jiménez de Asúa, L. El juicio de Nuremberg. Criminalia, Méx., 1948, 14: 241–56.—Koch, F. Zum Nürnberger Aerzteprozess. Südwestdeut. Aerztebl., 1947, 2: 10.—Krasnushkin, E. K. Sudebno-medicinskaja ekspertiza na Nürnbergskom processe. Vrach. delo, 1946, 26: 631–40.—Kühne. Der Nürnberger Aerzteprozess. Deut. Gesundhwes., 1947, 2: 145–8.—Levent, R. A propos du procès des médecins à Nuremberg. Gaz. hôp., 1947, 120: 671.—Mitscherlich. Bericht über Nürnberger Aerzteprozess. Südwestdeut. Aerztebl., 1947, 2: 52–4.—Oliaro, T. Dalla selezione razziale al processo medico di Norimberga. Minerva med., Tor., 1947, 38: pt 2, 523–32.—Platen, A. v. Aerzteprozess Nürnberg; Verteidigung; Urteil. Hippokrates, Stuttg., 1947, 18: 29; 199; 1948, 19: 48. ——— Der Nürnberger Aerzteprozess. Sanitätswarte, 1947, 57.—Schlögell, R. Entschliessung der Westdeutschen Aerztekammern zum Nürnberger Aerzteprozess. Hippokrates, Stuttg., 1948, 19: 49.—Sillevaerts, C. Le second procès de Nuremberg. Bruxelles méd., 1946, 26: 1597; passim.—Tribunal (Au) militaire de Nuremberg; l'acte officiel d'accusation contre les médecins allemands responsables de crimes de guerre et crimes contre l'humanité. Psyché, Par., 1947, 2: 468–71.—Wright, Q. The Nuernberg trial. J. Crim., Chic., 1946–47, 37: 477.

WARD.

See **Hospital administration,** Ward; **Hospital construction,** Rooms and wards.

WAR damage.

See also **Postwar planning; War reconstruction.**

Indirect (The) war losses of Europe. J. Am. M. Ass., 1944, 125: 299.—Lehmann. Beihilfen für Kriegsschäden in der ärztlichen Praxis. Münch. med. Wschr., 1942, 89: 748.—Reiche, J. Einige Bausteine für eine Dienstvorschrift zur Durchführung der Schädenbekämpfung. Gasschutz, 1938, 8: 31–5.—Roloff, G. Le perdite di guerra in rapporto alla durata. Minerva (Riv.), 1943, 57: 151–3.—Wuth, K. Die Auswirkungen von Kriegsschäden auf die Besteuerung. Deut. med. Wschr., 1943; 69: 340.

—— Insurance and/or compensation.

Elderton, W. P. The impossibility of war risk insurance; a paper read before the Insurance Institute of London on 15th March, 1938. 15p. 8° Cambr., 1938.

United States. Congress. Senate. Committee of Finance. Subcommittee on Veterans' Legislation. Hearings before a subcommittee of the Committee on Finance, United States Senate, Seventy-eighth Congress, first session on S. 450, A bill to provide benefits for the injury, disability, death, or enemy detention of civilians, and for the prevention and relief of civilian distress arising out of the present war, and for other purposes, March 12 and 15, 1943. 140p. 23cm. Wash., 1943.

Aldred-Brown, G. R. P. War damage insurance. Brit. M. J., 1942, 2: Suppl., 7.—Answers (Some) to question concerning war damage insurance. J. Am. Insur., 1943, 20: No. 6, 3.—Bewer, C. Die Entschädigung der Kriegssachschäden. Deut. Aerztebl., 1941, 71: 207–10.—Blanchard, R. H. War risk insurance and the future. Columbia Univ. Q., 1919, 21: 125–31.—Brombach, H. Entschädigungsgrundsätze für Kriegssachschäden. Deut. Verwalt., 1943, 20: 161–3. Also Gasschutz & Luftschutz, 1943, 13: 150–3. ——— Das Entschädigungsverfahren im Kriegssachschädenrecht. Ibid., 117–20.—Büchner, F. Das Entschädigungsverfahren bei Sachschäden und Nutzungsschäden durch Fliegerangriffe. Ibid., 28–33.—Byrne, T. J., jr. Your war damage protcetion; coverage under war damage policies is explained by an insurance counselor. Oral Hyg., Pittsb., 1942, 32: 1328.—Doctors' drugs and war damage insurance. Brit. M. J., 1942, 1: Suppl., 10.—Ide, G. E. Governmental war insurance and war taxation. Proc. Ass. Life Insur. Presid., 1917, 62–72.—Lanz-Stauffer, H. La couverture du risque de guerre en matière d'incendie. Rev. internat. Croix Rouge, 1942, 24: 432.—Love, T. B. The work of the War Risk Insurance Bureau. Med. Insur., 1917–18, 27: 276–81.—New War Damage Bill; extension of risk period. Vet. Rec., Lond., 1941, 53: 441.—Robinson, H. The new war damage bill. Brit. M. J., 1941, 1: Suppl., 10. ——— War damage insurance. Ibid., 1942, 2: Suppl., 12.—Schäcker, H. Kriegssachschädenrecht und seine praktische Verwirklichung. Deut. Apoth. Ztg. 1944, 59: 171–3.—Scott, H. Problems of the war risk examiner. J. Oklahoma M. Ass., 1920, 13: 214–8.—War Damage bill. Lancet, Lond., 1941, 1: 326.—War damage insurances. Brit. Dent. J., 1941, 71: 375.—Wuth, K. Die Entschädigungsleistungen für Kriegsschäden bei den Aerzten. Deut. med. Wschr., 1942, 68: 149.

WARDEN.

See **Civilian defense worker,** Air raid warden.

WARD management.

See under **Hospital administration,** Instruction.

WARD tent.

See **Camouflage,** Medical aspect.

WAR edema.

See under **Prisoner of war,** Disease; **Protein deficiency.**

WARFARE.

See also **War;** also in combination with the following words: **Amphibious w.; Atomic w.; Bacteriological w.; Biological w.; Chemical w.; Desert w.; Gas w.; Jungle w.; Land w.; Mobile w.; Motorized w.; Mountain w.; Naval w.; Parachute w.; Psychological w.; Submarine w.; Tank w.; Trench w.; Winter w.**

Ettlinger, E. Omens and Celtic warfare. Man, Lond., 1943, 43: 11–7.—F., R. The rules of relationship behaviour in one variety of primitive warfare. Ibid., 1947, 47: 108–10.—Malinowski, B. War and weapons among the natives of the Trobriand Islands. Ibid., 1920, 20: 10–12.—Wright, Q. Animal warfare. In his Study of War, Chic., 1942, 1: 42; 479. ——— Military and naval development of the powers, 1850–1937. Ibid., 666–72.—Zimmerman, C. L. Indian warfare. In his White Eagle, Harrisb., 1941, 129–39.

—— Diseases and injuries.

See also **War,** Pathological effect.

Aschoff, K. A. L. Krankheit und Krieg. 47p. 8° Freib., 1915.

Hurst, A. F. Medical diseases of war. 327p. 22cm. Balt., 1940. Also 3. ed. 495p. 22cm. Lond., 1943. Also 4. ed. 511p. 22cm. Lond., 1944.

Miyagawa, Y. Sensō to malaria [War and malaria] 97p. 18cm. Tokyo, 1944.

Ribbert, H. Krieg und Krankheit. 30p. 25cm. Bonn, 1916.

Bayon, H. P. Disease as a deciding factor in warfare. West London M. J., 1945, 50: 17–27.—Bogdanović, J. I., & Shevćenko, A. A. Glaznoj travmatizm voennogo vremeni u detej. Vrach. dclo, 1946, 26: 166–72.—Consuntivo (Il) sanitario della guerra, morbilità. Riv. med., Bari, 1946, 6: 361–3.—Euserman, G. B. World wars and their bearing on medical practice,

with special reference to digestive and tropical diseases. N. Orleans M. & S. J., 1943–44, 96: 295–303.—**Holler.** Zur Diagnose und Therapie der derzeit vorherrschenden Kriegseuchen. Wien. klin. Wschr., 1916, 29: 211.—**Importancia** de conservar la salud en tiempos de guerra; una enfermedad causa mas muertes que siete guerras. Puerto Rico Health Bull., 1942, 6: 77–81.—**Irvine, E. D.** Civilian health risks in war. Pub. Health, Lond., 1940–41, 54: 21–4.—**Jakovleva, E. K.** Posttravmatićeskie poraženija voennogo vremeni u ženśćin. Sovet. nevropsikh., 1948, 8: 117–28.—**Kossakowski, J.** Obrażenia wojenne u dzieci na podstawie materiału kliniki dziecięcej U. W. Pediat. polska, 1948, 22: 235–44.—**Krehl, L.** Die inneren Kranken im Weltkriege. Med. Welt, 1935, 9: 1571–4.—**Megele.** Seuchenbekämpfung im Kriege. Münch. med. Wschr., 1916, 63: 67.—**Morgan, R.** Klinika i lećenie reaktivnykh sostojanij v uslovijakh voennogo vremeni. Vest. Akad. med. nauk SSSR, 1946, No. 5, 56.—**Neff, M. L.** Hunger and disease invade Europe. Health, Mount. View, 1940, 7: No. 12, 13.—**Parran, T.** National health in the first year of war; endemic and epidemic diseases, including tropical diseases. Bull. Am. Coll. Surgeons, 1943, 28: 157–9.—**Rafsky, H. A.** War zone diseases which confront the civilian physician. Rev. Gastroenter., 1945, 12: 193–200.—**Seiffert, G.** Seuchenstand und Seuchenbekämpfung in der heutigen Kriegszeit. Münch. med. Wschr., 1941, 88: 1273–81.—**Simson, T. P.** Osobennosti osloźnenij so storony centralnoj nervnoj sistemy pri infekcijakh, perenesennykh v uslovijakh voennogo vremeni. Vest. Akad. med. nauk SSSR, 1946, No. 5, 55.—**Spread** (The) of infection as a war measure. J. Am. M. Ass., 1917, 69: 285.—**Stowman, K.** The epidemic outlook in Europe. Ibid., 1945, 128: 185–8.—**War** brings bad prospects for health of whole world. Science News Lett., 1939, 36: 280.—**Wartime** dangers to health [Great Britain] J. Am. M. Ass., 1940, 115: 1651.—**Wigham, J. T.** War, famine and pestilence. Irish J. M. Sc., 1939, ser. 6, No. 158, 49–58.

—— Psychology.

MEERLOO, A. M. Total war and the human mind. 78p. 22cm. N. Y., 1945.

SCHRAUDENBACH, L. *Psyche und Organisation des Volkskrieges untersucht am Spanischen Freiheitskampf gegen Napoleon und anderen neuzeitlichen Volkserhebungen. 76p. 8° Münch., 1926.

Cunningham, J. M. Some psychological problems created by war. Connecticut Health Bull., 1943, 57: 33–6.—**Denny-Brown, D.** Effects of modern warfare on civil population; experience of Great Britain and Europe. Collect. Lect. Metrop. State Hosp., Waltham, 1942, 7: pt 1, 237–43.—**Greppi, E.** Emozioni e strapazzi nervosi del periodo bellico quali fattori morbigeni. In his Malati d. ambul., Fir., 1946, 229–44.—**Kollarits, J.** Die Störung im psychischen Weltgefüge. Zschr. ges. Neur. Psychiat., 1921, Orig., 65: 331–50.—**Lyman, R. S.** Some psychological implications of mass deprivation in time of peace and in time of war. News Lett. Am. Ass. Psychiat. Social Work., 1942, 12: 54–6 (Abstr.)—**Mills, C. K.** The influence of wars on the psychology of the times. Proc. Am. Med. Psychol. Ass., 1917, 73. meet., 229–38.—**Schneurson, F.** [To the criminal psychopathology of the devastation epidemic in Europe] Harefuah, Tel Aviv, 1943, 25: 186–8.—**Sommer, R.** Zur Psychologie des Krieges und der Erfindungen. In: Deut. Naturwiss. Techn. Erfind. Weltkr., Münch., 1919, 33–56.—**Thom, D. A.** The war and its effect upon the mental health of the Armed Forces. Virginia M. Month., 1942, 69: 672–8.

WAR hygiene.

See also **Manpower,** National health aspect; **Public health; War,** Pathological effect; **Warfare,** Diseases and injuries.

BAEHR, G., BAUER, W. W. [et al.] If bombs fall! Your health and safety in wartime. 96p. 20cm. Wash., 1942.

DIEUAIDE, F. R. Civilian health in wartime. 328p. 21½cm. Cambr., 1942.

UNITED STATES. OFFICE OF EDUCATION. Health in wartime; a partial list of recent publications on health of special interest to school administrators and teachers. 10p. 27cm. Wash., 1942.

WINSLOW, C. E. A. Health in war and peace. 5p. 12° Pittsb., 1917.

Also in Proc. Nat. Conf. Social Work., 1917, 44:

Bauer, E. Obst und Beeren, ein kriegswichtiges Gesundheitsgut! Gesundheitsführung, 1944, 222–4.—**Bondfield, M. G.** Health and welfare under war conditions. Tr. Nat. Tuberc. Ass., N. Y., 1942, 38: 225–7.—**Cameron, E.** Public health in wartime. Delaware M. J., 1942, 14: 175.—**Cantor, S. J.** Medicine, war and peace. Med. J. Australia, 1942, 1: 628.—**Caverly, C. S.** Some public health lessons of the war. Vermont M., 1917, 2: 257–64.—**Churchill** on work, rest, and diet. Brit. M. J., 1941, 2: 214.—**Cowley, L. M.** La higiene y la medicina ante la guerra actual. Rev. med. cir. Habana, 1915, 20: 413–22.—**De Garis, M. C.** Medicine, war and peace. Med. J. Australia, 1942, 2: 33.—**Draper, W. F.** Civilian health in wartime. Indust. Nurs., 1943–44, 3: No. 3, 93–9.—**Eccles, W. M.** Personal habits in relation to public health in time of war. J. State M., Lond., 1917, 25: 214–8.—**Fisher, I.** Public health in war time. Phys. Training, 1917–18, 15: 356–66.—**Grayson, W. B.** Public health and national defense. Nat. Eclect. M. Ass. Q., 1941–42, 33: No. 3, 32–6.—**Hamilton, J. A.** Civilian health in war. Hospitals, 1942, 16: No. 4, 13–6. ——— The health of a democracy. Canad. Hosp., 1943, 20: No. 7, 17–9.—**Hankins, G. G.** Some responsibilities of the medical profession. Virginia M. Month., 1941, 68: 531.—**Hill, W.** The war-time way to health. Health Cult., N. Y., 1941, 47: No. 4, 20–2.—**Holle, H. A.** The public health in war time. Illinois M. J., 1942, 82: 440–3.—**Hudson, N. P.** Public health in wartime. Ohio J. Sc., 1942, 42: 164–7.—**LaGuardia, F. H.** Address. J. Social Hyg., 1941, 27: 321–6.—**Malagueta, I.** O médico e o estado atual do mundo. Rev. syniatr., Rio, 1940, 33: 231–42.—**Mechanistic** medicine and national health. Internat. J. Sex. Econom., 1942, 1: 176.—**Miller, K. E.** Civilian health as a factor in national defense. Tr. Nat. Tuberc. Ass., N. Y., 1941, 37: 359–71.—**Moncrieff, A.** Wartime health. Canad. M. Ass. J., 1942, 46: 498.—**Neupert, C. N.** Health in civilian defense. Wisconsin Bd Health Q. Bull., 1942, 7: No. 3, 5. ——— Health priorities in war. Ibid., No. 4, 4–6.—**Parran, T.** Health and medical preparedness. J. Med., Cincin., 1940–41, 21: 430–4. ——— What are you doing to protect your health? Nat. Negro Health News, 1942, 10: No. 2, 1–3. ——— Opening remarks to the fortieth annual conference of the United States Public Health Service with the Conference of State and Territorial Health Officers. Pub. Health Rep., Wash., 1942, 57: 691–6.—**Pleasants, H.,** jr. Public health in national defense. Pennsylvania Health, 1941–42, 2: No. 12, 26.—**Podolsky, M.** The war and public health. Q. Chicago M. School, 1942–43, 3: No. 3, 19.—**Russell, F. F.** The war and public health. N. England J. M., 1944, 231: 255–9.—**Saladrigas, E.** La salud en la defensa civil. Rev. med. cir. Habana, 1942, 47: 1–9.—**Salud** (La) pública y la guerra económica. Rev. radiol. fisioter., Chic., 1943, 10: 137.—**Sanidad** (La) y la guerra. Bol. Of. san. panamer., 1942, 21: 361; passim; 1943, 22: 811; passim.—**Schenck, E. G.** Die Alten und der Krieg! Gesundheitsführung, 1943, 203–10.—**Sorondo Campaneria, E.** Influencia de la guerra europea en la salud pública. Med. d. hoy, Habana, 1939, 4: 660–7.—**Tunnell, J. M.** War-time health and education and its significance in peacetime medical care. Delaware M. J., 1945, 17: 189–93.—**Underwood, F. J.** Public health in national defense. Mississippi Doctor, 1941–42, 19: 82–6.—**Vogel, M.** Gesundheitspflege, Gesundheitsschulung und Gesundheitserziehung im Kriege. Gesundheitsführung, 1943, 181–6.—**War** (The) and international hygiene. Health, Canberra, 1940, 18: 21–3.—**War** (The) and public health. Week. Bull. California Dep. Pub. Health, 1942–43, 21: 81–4.—**Westergaard, H.** Public health before and after the war. Internat. J. Pub. Health, Genève, 1921, 2: 19–23.—**Williams, E. G.** Public health in war times. South. M. J., 1918, 11: 21–5.—**Williams, R. C.** Public health in war time. J. M. Soc. N. Jersey, 1942, 39: 619–23.—**Wirz, F. G. M.** Kriegsernährung, Leistungsfähigkeit und Gesundheit. Gesundheitsführung, 1944, 217–21.

—— History.

See also **Wars and campaigns; World War I; World War II.**

Cross, R. R. Wartime health, then and now. Illinois Health Mess., 1942, 14: 77.—**Health** contrasts World Wars I and II. Bull. Dep. Health Lincoln, 1942, May, 2–4. Also Statist. Bull. Metrop. Life Insur., 1942, 23: No. 3, 1–3.—**Löwy, J.** Health after the first world war. Bull. Czech. M. Ass. Gr. Britain, 1942, No. 4, 27–30.

—— Organization.

All patriotic citizens urged to attend Orlando State-Wide Conference on Health in Home and National Defense. Health Notes, Jacksonville, 1942, 34: 3–7.—**Decharneux, G.** La coordination des activités médicales pour la protection de la santé des populations civiles en temps de guerre. Protect. popul. civ., Par., 1938, 1: 257–75.—**Falk, I. S.** Mobilizing for health security. Proc. Nat. Conf. Social Work, 1942, 69: 200–9.—**German, J. W.,** jr. Health benefits derived from war restrictions. Pennsylvania Health, 1943, 4: No. 4, 8.—**Hitchens, A. P.** A health program for the homeside in wartime. Tr. Coll. Physicians Philadelphia, 1940–41, 8: 166–79.—**Jean, S. L.** Utilizing the present crisis to promote health. Med. Woman J., 1942, 49: 311–4.—**Marquette, B.** Programming for community health. Ibid., 1943, 50: 148–50.—**Office** (The) of Defense Health and Welfare Services. Science, 1941, 94: 250.—**Parran, T.** The function of public health in defense. J. Am. M. Ass., 1941, 117: 186–8.—**Scott, A. C.** The relationship of the medical profession to public health in war. Texas J. M., 1942–43, 38: 228–33.—**Sullivan, F.,** & **Rose, M.** Public health planning for war needs; order or chaos? Am. J. Pub. Health, 1942, 32: 831–6.

—— Problems.

MOILLIE, C. *Les problèmes d'hygiène posés en temps de guerre par la dispersion des populations urbaines. 24p. 24cm. Par., 1939.

Cilento, R. Wartime problems in health. Australas. Nurs. J., 1942, **40**: 129; 143.—**Draper, W. F.** Some public health problems in the present emergency. Harvard M. Alumni Bull., 1941–42, **16**: 32–4.—**Evans, A. G.** Public health problems in a defense area and suggestions for correction. Virginia M. Month., 1941, **68**: 626–9.—**Gaffron, M.** Der Kalkbedarf des Menschen und die Kriegsnahrung. Gesundheitsführung, 1944, 205–8.—**Getting, V. A.** Civilian public-health problems in wartime. N. England J. M., 1943, **228**: 1–4.—**Health** problems of evacuation. Med. Off., Lond., 1939, **62**: 123.—**Herrera, J. L.** Problemas sanitarios en tiempo de guerra. Bol. Col. méd. Habana, 1942, **5**: No. 3, 13; 30.—**Kleinschmidt, E. E.** Meeting today's health problems. Ohio M. J., 1944, **40**: 227–34.—**Menzies, A. F.** Post war problems. Canad. M. Ass. J., 1941, **45**: 399–402.—**Parran, T.** Health problems ahead. South. M. J., 1944, **37**: 179–82.—**Parran** to study civilian defense problems. J. Am. M. Ass., 1941, **116**: 418.—**Parry, R. H.** Some wartime public health problems. J. Iowa M. Soc., 1943, **33**: 390–3.—**Paterson, J. J.** Health and hygiene problems of evacuation. J. R. San. Inst., 1940–41, **61**: 94–8.—**Perrott, G. S.** Problemas médicos de la guerra. Asistencia, Méx., 1943, No. 26, 23–8.—**Porter, C.** Citizenship and health questions in war time. Chem. News, Lond., 1917, **115**: 209–12. —— Citizenship and health questions in war-time. J. State M., Lond., 1917, **25**: 276; 300.—**Reed, A. G.** Changing aspects of public health problems as related to war medicine. J. Am. Osteopath. Ass., 1942–43, **42**: 109–11.—**Report** of the Committee on Health Programs. Proc. Conf. U. S. Health Officers, 1942, 40. Conf., 82–7.—**Rogers, W. W.** Some wartime problems of the local health department. J. Florida M. Ass., 1944–45, **31**: 578–83.—**Smoke** abatement and the war. Med. Off., Lond., 1941, **65**: 53.—**Tired** (The) soldier and civilian. Postgrad. M. J., Lond., 1941, **17**: 137.—**War** problems main subjects discussed at successful A. M. A. meeting. Ohio M. J., 1942, **38**: 686–8.

—— Services.

UNITED STATES. CIVILIAN DEFENSE OFFICE. Publication 3627: Health service in war time; a manual for health and medical committees of local defense councils. 15p. 23½cm. Wash., 1941.

Duties in war time. Health Bull., Raleigh, 1942, **57**: No. 2, 3.—**Health** service by rail. J. Am. M. Ass., 1940, **114**: 1279.—**Kerr, L. G.** All-out service in an all-out war. Med. Times, N. Y., 1942, **70**: 113.—**Mountin, J. W.** Evaluation of health services in a national emergency. Am. J. Pub. Health, 1942, **32**: 1125–30.—**Osborn, S. H.** Public health services must be maintained. Connecticut Health Bull., 1942, **56**: 3.—**Perrott, G. S. J.** Rationing health services in wartime. Pub. Health Nurs., 1942, **34**: 392–5.—**Rice, T. B.** There is a time for play. Bull. Dep. Health Lincoln, 1942, Jan., 3–5.—**Riggin, I. C.** Health service and the war effort. South. M. J., 1942, **35**: 1101–4.—**Schenck, E. G.** Die Krankenernährung im Kriege. Gesundheitsführung, 1940, 216–22.

—— by countries.

Charvát, J. Skody na národním zdraví, zaviněné válkou. Cas. lék. česk., 1945, **84**: 641–6.—**Fleming, G.** Public health in wartime. Canad. Pub. Health J., 1942, **33**: 145–7.—**Gohar, M. A., & Barakat, M. R.** Effect of the war on public health in Egypt. J. Trop. M. Hyg., Lond., 1945, **48**: 109–14.—**Goodman, N. M.** Health problems in liberated Europe. London Hosp. Gaz., 1943–44, **47**: 59. —— The health problems of Europe. Q. Rev. Med. Women Fed., Lond., 1944, July, 11–20.—**Kruta, V.** Nutrition and health in occupied Europe. Bull. Czech. M. Ass. Gr. Britain, 1943, No. 6, 3–9.—**McCann, J. J.** Our wartime health. Canad. Pub. Health J., 1942, **33**: 315–9.—**Osborn, T. W. B.** The medical state of Europe. Leech, Johannesb., 1943–44, **14**: No. 2, 21.—[**Public** health and national defense] Orv. hetil., 1940, **84**: 408.—**Public** health progress after the war. Med. J. Australia, 1941, **2**: 182–4.—**Ulehlová-Tilschová, M.** Od válečné bídy k blahobytu míru. Výživa lidu, 1949, **4**: 258.—**Vargas, F. R., Mercado Monroy, S.** [et al.] Protección de la población civil en epoca de guerra; prevención de las enfermedades con motivo de la conscripción. Rev. méd., Puebla, 1943, **16**: No. 157, 32–8.

—— by countries: France.

BERNARD, L. La défense de la santé publique pendant la guerre. 338p. 8° Par., 1929.

Baruch, J. Z. De gezondheidstoestand van het Fransche volk gedurende den oorlog. Ned. tschr. geneesk., 1946, **90**: 1216–9.—[**France**] Décret du 4 octobre 1939, déterminant les mesures exceptionnelles d'hygiène motivées par l'état de guerre. Bull. Off. internat. hyg. pub., Par., 1939, **31**: 1753–6.—**Lacurte, A.** A atual situação higiênica e alimentar da França. Hospital, Rio, 1942, **22**: 655–8.—**Moine, M.** De l'influence des guerres sur la santé. Rev. path. comp., Par., 1947, **47**: 176–9.—**Tanon & Besson, A.** Fonctionnement des Services d'hygiène pendant le mois de juin 1940. Bull. Acad. méd., Par., 1940, **123**: 490–2.

—— by countries: Germany.

See also under **World War I; World War II.**

Conti, L. Arbeit für den biologischen Sieg. Aerztebl. Hessen, 1941, **9**: 3. —— Gesundheitsführung im vierten Kriegsjahr. Desinfektion, 1943, **35**: 1.—**Cropp.** Vitamin C-Aktion für Schulkinder, eine kriegswichtige Massnahme. Gesundheitsführung, 1940, 112.—**Feilchenfeld, L.** Die diuretische Wirkung der Kriegskost. Med. Klin., Berl., 1918, **14**: 13.—**Fischer, A.** Die gesundheitspolitischen Aufgaben nach dem Kriege. Arch. soziale Hyg., 1916, **11**: 129–46.—**Gesundheitsführung** im vierten Kriegsjahr. Gesundheitsführung, 1943, 2.—**Gotschlich, E.** Hygienische Betrachtungen über Volksernährung im Kriege. Deut. med. Wschr., 1919, **45**: 951.—**Holitscher.** Aerzte und Volksernährung. Aerztl. Rdsch., 1917, **27**: 25–8.—**Kühl, H.** Tee, Kaffee und Kakao, ihre Ersatzprodukte im Kriege. Heilanstalt, Lpz., 1916, **11**: 25.—**Lembke.** Wie sind unsere Kriegsküchen auszubauen, damit die Ernährung der minderbemittelten Volkskreise gesichert wird? Oeff. Gesundhpfl., 1916, **1**: 472–80.—**Passim.** Guy's Hosp. Gaz., Lond., 1941, **55**: 37; passim (through subseq. vols.)—**Pfannenstiel, W.** Die Verpflichtung der deutschen Gesundheitswissenschaft im Kriege. Gesundheitsführung, 1944, 94–100.—**Public** health under Hitler's rule. Fed. Bull., Chic., 1942, **28**: 146–9. Also J. Am. M. Ass., 1942, **118**: 1382; passim; 1943, **121**: 352; passim; 1944, **125**: 39; passim. Also Dent. Outlook, N. Y., 1943, **30**: 34.—**Public** health under Hitler's rule, May 14–31, 1943.—Gradwohl Lab. Digest, 1943–44, **7**: No. 4, 7.—**Summary** of certain public health measures adopted in Germany during the war. Bull. Hyg., Lond., 1941, **16**: 425–36. Also Bull. War M., Lond., 1941–42, **2**: 1–10.—**Waldmann.** Wehrmachtarzt und Volksarzt. Gesundheitsführung, 1939, 11–5.

—— by countries: Great Britain.

See also under **World War I; World War II.**

BRITISH INFORMATION SERVICES. INFORMATION DIVISION. The British health services in wartime. 20p. 23½cm. N. Y., 1943.

CLEGG, H. Wartime health and democracy. 64p. 18½cm. Lond., 1941.

Annual report of Ministry of Health; wartime cessation. Brit. M. J., 1941, **1**: 541.—**Bramley, G. F.** The public health department in time of war. Pub. Health, Lond., 1939–40, **53**: 31.—**British** health trend during the war. Month. Labor Rev., 1942, **54**: 1154.—**C., K. N., N.** [et al.] Public health in war-time. Nurs. Times, Lond., 1939, **35**: 1281.—**Camp-followers** of war. Lancet, Lond., 1942, **2**: 550.—**Cleland, J. B.** The effect of war on public health. J. Trop. M. Hyg., Lond., 1945–46, 158.—**Eckert.** Studien über die gesundheitliche Lage in England; Arbeit aus dem studentischen Kriegsleistungskampf 1940. Gesundheitsführung, 1940, 454; 1941, 15.—**Ede, Stephen** [et al.] Public health aspects of evacuation (debate in House of Commons) Lancet, Lond., 1939, **2**: 716.—**Frazer, W. M.** Public health and civil defense in Great Britain during the war. Am. J. Pub. Health, 1942, **32**: 1319–34.—**Good** health of Great Britain notwithstanding the war. J. Am. M. Ass., 1942, **120**: 635.—**Health** in war time (London letter) Ibid., 1941, **116**: 1716; **117**: 468.—**Health** (The) of the nation; the importance of personal and parental responsibility. J. R. Inst. Pub. Health, 1943, **6**: 148–50.—**Hill, C.** Britain at war has clean bill of health. Bull. from Britain, 1942, No. 105, 11.—**Hudson, N. P.** Health conditions and people's morale in war-torn England. Ohio M. J., 1941, **37**: 577.—**Improved** health during the war. J. Am. M. Ass., 1942, **119**: 1214.—**Jameson, W.** War and health in Britain. Am. J. Pub. Health, 1941, **31**: 1253–62. —— Britain's health in wartime. Canad. Pub. Health J., 1942, **33**: 51–9.—**Lessons** (The) of war-time. Med. Off., Lond., 1941, **66**: 177.—**Macgregor, A.** The public health services in the war. Pub. Health, Lond., 1941–42, **55**: 81–5.—**MacNalty, A.** The public health in war time. Brit. M. J., 1940, **1**: 333–6. —— Britain's wartime health. South. M. J., 1945, **38**: 688–93.—**Massey, A.** The wartime health picture in an English city. Am. J. Pub. Health, 1944, **34**: 931–4.—**National** (The) health after nearly three years of war. J. Am. M. Ass., 1942, **119**: 1441. Also Science, 1942, **96**: 233.—**National** health under war conditions. J. Am. M. Ass., 1942, **119**: 431.—**Organisation** of the special medical services in time of war. Med. Off., Lond., 1939, **61**: 173.—**Public** health; points from the Annual Reports. Lancet, Lond., 1941, **1**: 56.—**Public** health appointments in wartime, by Midland M. O. H. Brit. M. J., 1941, **1**: suppl., 42.—**Public** health during six years of war. Med. Off., Lond., 1946, **76**: 116; 120.—**Public** health in Great Britain in 1942–43. Month. Labor Rev., 1943, **57**: 1157–9.—**Public** health nurse and evacuation. Nurs. Times, Lond., 1939, **35**: 1267.—**Public** health and the war in England. Am. J. Pub. Health, 1940, **30**: 955.—**Ryle, J. A.** Public health in Great Britai during the war. Nature, Lond., 1946, **158**: 611.—**War** and the common health; a paradox. Brit. M. J., 1941, **2**: 813.—**War** and the public health. Lancet, Lond., 1942, **2**: 143. Also Med. Off., Lond., 1942, **67**: 89.—**Warfare** and the progress of public health. J. R. Inst. Pub. Health, 1941, **4**: 227–9.—**War** (The) strain on health services (Great Britain)

J. Am. M. Ass., 1940, **115**: 1902.—**Wartime** health. Brit. M. J., 1942, **2**: 57.—**Williamson, R.** The nation's health after the blitz; Britain keeps fit. Bull. Vancouver M. Ass., 1940–41, **17**: 248–50.—**Wilson, J. G.** Health in war-time. Med. Off., Lond.. 1941, **65**: 113.—**Wright, M.** Effect of war on civilian populations. Lancet, Lond., 1939, **1**: 189–92.—**Wright, S.** Fisiología británica y la guerra. Medicina, Habana, 1943, **1**: No. 5, 15–20.

—— by countries: Italy.

HERLITZKA, A. L'alimentazione del popolo in tempo di guerra. 40p. 16° Milano, 1915.
Forms No. 16, Probl. san. guerra.

PENSO, G. Alimentazione, casa, igiene in tempo di guerra. 74p. 17½cm. Roma, 1944.

Casagrandi, O. Igiene di guerra. Gior. med. mil., 1934, **83**: 113–5.—**Petragnani, G.** La difesa della salute pubblica in tempo di guerra nel quadro dell'organizzazione sanitaria italiana. Forze san., Roma, 1941, **10**: No. 21, 3–13.

—— by countries: Russia.

Jakovlev, I. N. [Hygiene education during the war] Hig. & san., Moskva, 1944, **9**: No. 6, 38–41.—**Manannikova, N. V.** [The importance of proper organization of medical service for evacuated children] Feldsher, Moskva, 1942, No. 4, 1–4.—**Miterev, G. A.** [The war and problems of public health] Sovet. med., 1942, **6**: 3–7.—[**One** year of the war, and the Soviet public health] Ibid., No. 7, 3–5.—**Shkliar, B.** [Reconstruction of the work of public health institutions in wartime] Hig. & san., Moskva, 1944, **9**: No. 7, 46.

—— by countries: United States.

See also under **World War I; World War II.**

[UNITED STATES] NATIONAL SOCIAL WORK COUNCIL. Health and welfare services in the national defense. 12p. 23cm. N. Y., 1940.

America at war continues in good health. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 7, 1.—**Baker, A. L.** Toughen up, America. Good Health, 1942, **77**: 54–7.—**Barr, R. H.** Some effects of World War II upon the health of the United States. Kentucky M. J., 1948, **46**: 242–6.—**Boudreau, F. G.** Public health and nutrition in the period of transition. Rep. Com. Organiz. Peace, 1942, **2**: 170–8.—**Burgdorf, A. L.** War and the health department; in an Eastern city. Am. J. Pub. Health, 1943, **33**: 26–30.—**California** health officers' war program. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 145–7.—**Cross, R. R.** The 2-way stretch in public health services for war. Bull. Chicago M. Soc., 1941–42, **44**: 452.—**Dublin, L. I.** Health in U. S. excellent during first year of war. Diplomate, 1943, **15**: 65–7. —— Health in 1942 excellent; outlook for 1943 is very uncertain, but we have health and medical resources to counterbalance special hazards in wartime. Science News Lett., 1943, **43**: 22.—**Emerson, H.** Civilian health in war time; chairman's address. J. Am. M. Ass., 1942, **119**: 1389–92.—**Griffith, I.** What so proudly we hail. In: Science in War (Philadelphia Coll. Pharm.) 1942, 17–35.—**Halverson, W. L.** War and the health department; in a western county. Am. J. Pub. Health, 1943, **33**: 20–5.—**Health** of the United States at war. Pub. Health Rep., Wash., 1943, **58**: 1281.—**Heller, J. R., jr.** Public health in national defense. Q. Bull. Louisiana Bd Health, 1941, **32**: No. 4, 3–9.—**Leathers, W. S.** Public health in national defense. Am. J. Pub. Health, 1940, **30**: 1269–75. Also Diplomate, 1940, **12**: 291–7.—**Mountin, J. W.** The outlook for the coming year. Pub. Health Rep., Wash., 1943, **58**: 1088–94.—**National** health good after 2 years of war. J. Am. M. Ass., 1941, **117**: 2089.—**Office** of Defense Health and Welfare Services in Executive Office of President; appointment of Mr. Paul V. McNutt as director; the executive order. War Med., Chic., 1941, **1**: 710–2.—**Parran, T.** The health of our nation in wartime. J. Am. M. Ass., 1942, **120**: 1224–6. —— Civilian health in war-time. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 55–62.—**Public** health in a war emergency. Week. Bull. California Dep. Pub. Health, 1941–42, **20**: 189–91.—**Report** of Senate Committee on Wartime Health and Education. J. Am. Dent. Ass., 1945, **32**: 270–84.—**Rourke, A. J. J.** Public health after the war. Stanford M. Bull., 1942–43, **1**: 161–5.—**Schwitalla, A. M.** Wartime health and education; the first hearing before Senator Pepper's committee; interim report. Hosp. Progr., 1945, **26**: 8–26.—**Seymour, G.** The health of soldier and civilian, some aspects of the American health movement in war-time. Survey, N. Y., 1918, **40**: 89; 154.—**Taft, C. P., Halverson, W. L., & Burgdorf, A. L.** War and the health department. Am. J. Pub. Health, 1943, **33**: 15–30.—**Underwood, F. J.** Public health today. J. Iowa M. Soc., 1943, **33**: 301–3.—**War** time public health. Week. Bull. California Dep. Pub. Health, 1942–43, **21**: 17–9.

WAR industry.

See also **Munitions Plant; National defense,** Defense area.

Bedford, T. Principles of factory ventilation and heating; their application in war-time. Bull. Hyg., Lond., 1941, **16**: 367.—**Dates, H. B.** Remarks concerning wartime industrial lighting in connection with conference presentation of report of the Committee on Light in Wartime. Illum. Engin., Balt., 1942, **37**: 700–6.—**Dobbie, J. J.** The war and key industries, with special reference to the fixed nitrogen industry. J. Chem. Soc., Lond., 1920, 430–44.—**Nathusius, M.** Ausbildung und Ausrüstung von Arbeitstruppen in Industriewerken mit Kostenberechnung. Gasschutz, 1934, **4**: 37–42.—**Suciu, P.** Cum s'ar putea organiza industria coloranţilor şi ce foloase s'ar putea trage din această industrie, precum şi a petrolului, pentru a acoperi nevoile într'un vitor război chimic. Rev. san. mil., Bucur., 1937, **36**: 1043–50.—**Working, H.** The tools of science and the war industry. Science, 1942, **96**: 494.

—— Medical aspect.

See also **Industrial medicine.**

Evans, W. A. The war crisis and the industrial surgeon. Proc. Conf. Indust. Physicians, 1918, **5**: 40–3.—**Forster, N. K.** Wartime industrial surgery. J. Indiana M. Ass., 1943, **36**: 11–6.—**Martin, E.** How the industrial surgeon can best cooperate with the Government to win the war. Pennsylvania M. J., 1917–18, **21**: 665–8.—**Schwartz, L., Peck, S. M., & Dunn, J. E.** Dermatitis from resin glue in war industries. Pub. Health Rep., Wash., 1943, **58**: 899–904, pl.—**Selby, C. D., Sawyer, W. A.** [et al.] Fatigue in wartime industry; hours of work and rotation of shifts; a panel discussion. Proc. Indust. Hyg. Found. America, 1942, 7. meet., 13–98. Also Indust. M., 1943, **12**: 16 (Abstr.)

WAR neurosis [incl. psychoneurosis]

See also **Mutism; Neurosis; Nightmare; Officer,** Diseases; **Neuropsychiatric casualty; Neuropsychiatric examination; Shipwrecked,** Psychology; **War psychosis.**

BERMANN, G. Las neurosis en la guerra. 251p. 23½cm. B. Air., 1941.

FRADE CORREIA, J. Neurose da guerra. 117p. 19½cm. Porto, 1946.
Forms No. 1, Interpret. psicol. vida contemp.

FRANK, A. The neuroses and psychoses of war. Engl. ed. 93p. 21cm. Kingsford, 1940.

GOLANG, R. I., & MIASISHCHEV, V. N. Нервные и психические заболевания в условиях военного времени. 288p. 22cm. Leningr., 1948.
Forms No. 8, Sovet. nevropsikh.

GRINKER, R. R., & SPIEGEL, J. P. War neuroses. 145p. 24cm. Phila., 1945.

KARDINER, A., & SPIEGEL, H. X. War stress and neurotic illness. 2. ed. 428p. 21½cm. N. Y., 1947.

LÓPEZ IBOR, J. J. Neurosis de guerra. 179p. 17½m. Barcel., 1942.

MILLER, E. The neuroses in war. 250p. 21cm. N. Y., 1940.

ROSS, T. A. Lectures on war neuroses. 116p. 19cm. Lond., 1941.

[UNITED STATES] NATIONAL RESEARCH COUNCIL. COMMITTEE ON NEUROPSYCHIATRY. SUBCOMMITTEE ON WAR NEUROSES. War neuroses. Wash., 1941–

VOGT, H. Die Neurosen im Kriege. p.119–204. 26cm. Wiesb., 1917.
In: Kriegsbesch. Nervensyst. (Hezel, F. O.)

Alpers, B. J. War and nervous diseases. Dis. Nerv. Syst., 1945, **6**: 69–79.—**Anderson, R. C.** Neuroses of peace and of war. Occup. Med., 1946, **1**: 121–44.—**Antoni, N.** Kriegsneuroser. In: Handledn. & Försvarsmed., Stockh., 1940, **1**: 219–23.—**Austregésilo, A.** Neuroses de guerra. Impr. méd., Rio, 1949–50, **25**: No. 430, 25–9.—**Bard, L.** Los trastornos nerviosos en la guerra. Medicina, Méx., 1942, **22**: Suppl., 1–4.—**Benon, R.** Les maladies mentales et nerveuses et la guerre. Rev. neur., Par., 1916, **23**: 210–5.—**Bowman, K. M.** War neuroses. N. York State J. M., 1942, **42**: 1729–31.—**Boyer, G. F.** The psychoneuroses of war. Canad. M. Ass. J., 1940, **43**: 53–9.—**Brend, W. A.** War neuroses. Brit. M. J., 1942, **1**: 395.—**Brill, N. Q.** War neuroses. J. Laborat. Clin. M., 1942–43, **28**: 489–98. Also Mil. Surgeon, 1942, **90**: 390–400. Also South. M. & S., 1942, **104**: 609–12.—**Brown, W.** The psycho-neuroses of war. In his Psychol. & Psychother., 4. ed., Lond., 1940, 88–102.—**Bury, J. S.** War neuroses. Brit. M. J., 1943, **1**: 426.—**Camp, C. D.** Psychoneuroses of war. Bull. Am. Coll. Surgeons, 1943, **28**: 145–9.—**Chamberlain, O. B.** Psychoneuroses of war. Ibid., 152–4.—**Cobb, S.** War neurosis. In his Borderl. Psychiat., Cambr., 1943, 140–4.—**Crichton-Miller, H.** The neuroses in war; general conclusion. In: Neuroses in War (Miller, E.) N. Y., 1940, 201–10.—**Culpin, M.** A week-

end with the war neuroses. Lancet, Lond., 1940, **2**: 257–9.—**Dane, P. G.** War neurosis. Med. J. Australia, 1942, **2**: 189.—**Drummond, D.** War psycho-neurosis. Lancet, Lond., 1918, **1**: 349.—**Dunn, W. H.** War neuroses. Psychol. Bull., 1941, **38**: 497–504.—**Enestrom, H.** [Psychic and nervous diseases among soldiers] Allm. sven. läkartidn., 1919, **16**: 1081–101.—**Epstein, S. H.** War neurosis. N. England J. M., 1944, **231**: 446–9.—**Fetterman, J. L.** Neuroses of war. In his Mind of Injured Man, Chic., 1943, 228–38.—**Futterman, S.** The psychoneuroses of war. Med. Bull. Veterans Admin., 1944–45, **21**: 57–61.—**Gaupp.** Ueber die Neurosen und Psychosen des Krieges. Münch. med. Wschr., 1918, **65**: 493. ——— Psychischen und nervösen Erkrankungen des Heeres im Weltkrieg. Med. Klin., Berl., 1940, **36**: 1227 (Abstr.)—**Gillespie, R. D.** Psychoneurosis in time of war. Canad. Nurse, 1942, **38**: 463–8.—**Gonçalves Fernandes.** Neuroses de guerra. Neurobiologia, Recife, 1941, **4**: 96–109.—**Gordon, A.** War neuroses. J. Nat. M. Ass., 1943, **35**: 53–6. Also Med. Rec., N. Y., 1943, **156**: 157–9. Also Punjab M. J., 1947, **12**: 21–4.—**Grasset.** Les psychonévroses de guerre. Presse méd., 1915, **23**: 105–8.—**Haddon, J.** War neuroses. Med. Press & Circ., Lond., 1919, n. ser., **107**: 399.—**Hadfield, J. A.** War neuroses. Brit. M. J., 1942, **1**: 592.—**Henderson, J. L., & Moore, M.** The psychoneuroses of war. Mil. Surgeon, 1944, **95**: 349–59. Also N. England J. M., 1944, **230**: 273–8.—**Hoffman, H.** Psychoneuroses during war time. J. Am. Inst. Homeop., 1945, **38**: 13–7.—**Holt, W. L.** Neuroses in war. Bol. As. méd. Puerto Rico, 1943, **35**: 97–104.—**Hurst, A. F.** War neuroses. In: Nelson Loose-Leaf Med., 1920, **6**: 655–70. ——— War neuroses. Brit. M. J., 1942, **1**: 450; 1943, **1**: 299.—**Judin, T. I.** War neuroses in the Army and in civilian life. Am. Rev. Soviet M., 1943–44, **1**: 553–6.—**Kardiner, A.** The neuroses of war. War Med., Chic., 1941, **1**: 219–26.—**Keyes, B. L.** War neuroses. J. Maine M. Ass., 1945, **36**: 55, &c.—**Levy, N. A.** Comments on war neuroses. N. York State J. M., 1946, **46**: 395–400.—**Lichtenstein, P. M., & Small, S. M.** War psychoneuroses. In their Handb. Psychiat., N. Y., 1943, 139–54.—**Littlejohn, W. S.** Psychoneuroses of war. Bull. Am. Coll. Surgeons, 1943, **28**: 149–51.—**Litwinski, L.** Les nevroses de guerre. Coimbra méd., 1945, **12**: 522–37.—**Löwenthal.** Krieg und Nervenkrankheiten. Mbl. Gesundhpfl., 1917, **40**: 41–6.—**Loewy, E.** Kriegsneurotiker und Verwundetenabzeichen. Münch. med. Wschr., 1918, **65**: 1107.—**Mapother, E.** War neurosis. J. R. Army M. Corps, 1937, **68**: 38–48.—**Mathers, A. T.** The psychoneuroses in war time. Canad. M. Ass. J., 1942, **47**: 103–12.—**Minski, L.** War neuroses. Med. Press & Circ., Lond., 1941, **212**: 100–3. Also Am. J. Psychiat., 1944–45, **101**: 600–5.—**Moersch, F. P.** The psychoneuroses of war. War Med., Chic., 1943, **4**: 490–6.—**Moloney, J. C.** Peace neurosis and war neurosis. In his Magic Cloak, Wakefield, 1949, 220–4.—**Naville, F.** Psychonévrose de guerre. Rev. méd. Suisse rom., 1918, **38**: 162.—**Neuroses** (The) of the war. Lancet, Lond., 1919, **1**: 71.—**Neuroses** in wartime; course of lectures at the Tavistock Clinic. Brit. M. J., 1939, **1**: 126–8.—**Nicholls, P. T., Priest, R.** [et al.] War neuroses. Lancet, Lond., 1939, **2**: 152–4.—**Nonne, M.** Nevroses da guerra. Rev. med. hyg. mil., Rio, 1923, **9**: 63–71.—**Pacheco e Silva, A. C.** Psiconevroses de guerra. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 85–94.—**Paternostro, J.** Neuroses de guerra. Fol. méd., Rio, 1945, **26**: 49–53.—**Patrick, H. T.** War neuroses. J. Indiana M. Ass., 1919, **12**: 33–6.—**Payne, C. R.** Psychoneuroses of war. N. York State J. M., 1921, **21**: 171–3.—**Perry, J. S.** War neurosis. J. Nat. M. Ass., 1942, **34**: 67–72.—**Phleps, E.** Neurosen bei Soldaten im Kriege. Münch. med. Wschr., 1940, **87**: 413 (Abstr.) Also Wien. klin. Wschr., 1940, **53**: 552.—**Rejtö, S.** [War neuroses] Budapesti orv. ujs., 1919, **17**: 109–12.—**Richards, W. G.** War and peace neuroses. J. Lancet, 1943, **63**: 398–402.—**Rivers, W. H. R.** [War and psychiatry] Norsk mag. lægevid. 1919, **80**: 47–50.—**Roubinovitch, J.** Les blessés de guerre sans blessures. Bull. méd., Par., 1940, **54**: 65–7.—**Rouquier, A. J. A.** Les psychonévroses de guerre. Arch. méd. pharm. mil., 1929, **91**: 191–211.—**Saarnio, L.** Krigsneuroser. Nord. med., 1941, **9**: 507–16.—**Salmon, T. W.** War neuroses and their lesson. N. York M. J., 1919, **109**: 993.—**Sandiford, H. A.** War neuroses. J. R. Army M. Corps, 1938, **71**: 222–34.—**Schermers, D.** Oorlogsneurosen en psychosen. Med. wbl. Nederland, 1916–17, **23**: 109–12.—**Schüller, A.** Die Kriegsneurosen und das Publikum. Wien. med. Wschr., 1918, **68**: 1085–93.—**Schumkow.** Kriegsneurosen. Russ. med. Rdsch., Berl., 1907, **5**: 133–40.—**Schwartz, L. A.** War neuroses. Arch. Neur. Psychiat., 1946, **55**: 151.—**Sicher, L.** War neuroses. Med. Woman J., 1944, **51**: No. 3, 17–24.—**Simmel, E.** War neurosis. Calcutta M. J., 1946, **43**: 269–83.—**Sinclair, A. J. M.** The psychological reactions of soldiers. Med. J. Australia, 1945, **2**: 229; 261.—**Slater, E.** War neurosis. Brit. M. J., 1942, **1**: 421.—**Snežnevsky, A.** Psikhonevrozy voennogo vremeni. In: Encikl. slovar voen. med., Moskva, 1946–8, **4**: 969–72.—**Spiegel, J. P., & Grinker, R. R.** War neuroses. Progr. Neur. Psychiat., N. Y., 1946, **1**: 579–96.—**Stockert.** Die psychopathologischen Reaktionen bei Kriegsbeginn. Sitzber. Frankf. med. Ges., 1939, 31.—**Strecker, E. A.** War neuroses. Mil. Surgeon, 1944, **94**: 196–8.—**Sukhanov, S. A.** [Psychoneuroses of war time] Russk. vrach, 1915, **14**: 437–42.—**Thom, D. A.** War neuroses. N. England J. M., 1941, **225**: 864–7.—**Thomas, J. C.** Neuroses in war time. Bull. Vancouver M. Ass., 1942–43, **19**: 136–9.—**Turner, A.** War neuroses. Rapp. Congr. internat. méd. pharm. mil., 1931, 6. Congr., **2**: 129–34.—**Turner, W. A.** Neuroses and psychoses of war. J. R. Army M. Corps, 1918, **31**: 399–413.—**Uchôa, D. de M.** Neuroses de guerra. Impr. méd., Rio, 1945–46, **21**: No. 382, 34–8.—**War neuroses.** J. Am. M. Ass., 1940, **114**: 424.—**War** neuroses. Brit. M. J., 1941, **2**: 21. Also Med. J. Australia, 1941, **1**: 676.—**War** neuroses and psychoses. Mil. Surgeon, 1916, **38**: 320; 428; 545.—**Williams, V. P.** Psychiatry; the neuroses in war. N. England J. M., 1942, **226**: 302–6.—**Wittkower, E., & Spillane, J. P.** Neuroses in war. Brit. M. J., 1940, **1**: 223; 265; 308.—**Worth, R., & Ross, T. A.** War psycho-neuroses. Lancet, Lond., 1918, **1**: 233.—**Young, G. A.** Psychoneuroses of war. Nebraska M. J., 1943, **28**: 280–4.—**Zabriskie, E. G., & Brush, A. L.** Psychoneuroses in war time. Psychosomat. M., 1941, **3**: 295–329.

—— acute.

Acute war neuroses. N. England J. M., 1940, **223**: 431–3.—**Allen, C.** Acute war neuroses. Lancet, Lond., 1940, **2**: 53.—**Hubert, W. H. de B.** Acute nervous illness in active warfare. Ibid., 1941, **1**: 306–8.—**Kartchner, F. D., & Korner, I. N.** The use of hypnosis in the treatment of acute combat reactions. Am. J. Psychiat., 1946–47, **103**: 630–6.—**Kubie, L. S.** Manual of emergency treatment for acute war neuroses. War Med. Chic., 1943, **4**: 582–98. ——— The emergency care and treatment of the acute war neuroses. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 541–61.—**Sargant, W., & Shorvon, H. J.** Acute war neurosis; special reference to Pavlov's experimental observations and the mechanism of abreaction. Arch. Neur. Psychiat., 1945, **54**: 231–40.—**Sargant, W., & Slater, E.** Acute war neuroses. Lancet, Lond., 1940, **2**: 1.—**Smith, J. F.** The acute war neuroses. J. Am. Osteopath. Ass., 1942–43, **42**: 9–11.—**Tredgold, R. F.** The importance of failure of concentration in the acute war neurosis syndrome. J. R. Army M. Corps, 1944, **82**: 177–82.

—— Air Force.

GEYER, H. The significance of nervous diseases for the flying services and for aerial operations. 7 l. 27cm. Heidelb., 1946.

Forms No. U4–46–7, Transl. U. S. Air Force Aero M. Cent., Heidelb.

LEVY, N. A. Personality disturbances in combat fliers. 89p. 22½cm. N. Y., 1945.

SYMONDS, C. P., & WILLIAMS, D. J. The occurrence of neurosis in R. A. F. air crew, 1943–44. 10 l. 18cm. Lond., 1944.

Forms F. P. R. C. No. 412i, Gr. Britain Flying Pers. Res. Com.

—— Investigation into psychological disorder in flying personnel; the occurrence of neurosis in Royal Air Force air crew, 1944–45. 5 l. 29cm. Lond., 1945.

Forms F. P. R. C. No. 412L, Gr. Britain Flying Pers. Res. Com.

Balser, B. H., & Pacella, B. L. Studies on flying personnel with operational fatigue; studies on dextrose tolerance and electroencephalographic patterns. Arch. Neur. Psychiat., 1946, **55**: 157.—**Bergin, K. G.** Aircrew neurosis. In his Aviat. Med., Bristol, 1949, 337–60.—**Bijou, S. W., & Lucio, W. H.** Measures of mental functioning for evaluating severity of disturbance. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 15, 133–43.—**Bond, D. D., & Wright, D. G.** Nomenclature for emotional disorders in combat crews. Air Surgeon Bull., 1944, **1**: No. 11, 16.—**Bronk.** Criterion of flying stress. Gr. Britain Flying Pers. Res. Com., 1943, No. 537, 9.—**Carlson, W. A.** Follow-up study of psychiatric cases which occurred in AAF combat personnel. J. Aviat. M., 1949, **20**: 459–68.—**Davis, D. B.** Phobias in pilots. Mil. Surgeon, 1945, **97**: 105–11.—**Erb, H. R., & Bond, D. D.** Sodium amytal narcosis in management of emotional disorders of combat flyers. War Med., Chic., 1945, **8**: 146–52.—**Grinker, R. R.** Rehabilitation of flyers with operational fatigue. Air Surgeon Bull., 1945, **2**: 18–21. ——— Combat neuroses in flying personnel. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 66. ——— A dynamic study of war neuroses in flyers returned to the United States. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 26–37. ——— & **Spiegel, J. P.** War neuroses in flying personnel overseas and after return to the U. S. A. Am. J. Psychiat., 1944–45, **101**: 619–24.—**Hastings, D. W., Glueck, B. C., & Wright, D. G.** Sodium amytal narcosis in treatment of operational fatigue in combat aircrews. War Med., Chic., 1944, **5**: 368–72.—**Kahn, L. A.** A discussion of some causes of operational fatigue in the Army Air Forces. Psychol. Bull., 1947, **44**: 34–53.—**Klebanoff, S. G.** A Rorschach study of operational fatigue in Army Air Forces combat personnel. Rorschach Res. Exch., 1946, **10**: 115–20.—**Lewis, H. A.** Psychologic problems; seen by a flight surgeon. Air Surgeon Bull., 1945, **2**: 231.—**Miller, C. W.,** jr. Delayed combat reactions in Air Force personnel. War Med., Chic., 1945, **8**: 253–7.—**Miller, M. L.** Aftermath of operational fatigue in combat aircrews. Am. J. Psychiat., 1944–45, **101**: 325–30.—**Neustatter, W. L.** Seven hundred and fifty psychoneurotics and ten weeks' fly-bombing. J. Ment. Sc., Lond., 1946, **92**: 110–7.—**Ohsuzu, H., & Iokura, T.** Iwayuru kōkū-sinkei-syō ni tuite [The so-called aviation neurosis] Gun idan zassi, 1943, 755–67.—**Wright, D. G.** Anxiety in aerial combat. Proc. Ass. Res. Nerv. Ment. Dis.

(1944) 1946, **25**: 116–24. ——— Operational strain; stress in combat flyers. In: Interallied Conf. War Med. (1942–45) 1947, 244–6.

—— Analysis.

See also subheading (Treatment: Psychotherapy)

Berg, C. Clinical notes on the analysis of a war neurosis. Brit. J. M. Psychol., 1941–42, **19**: 155–85. ——— The analysis of a war neurosis; clinical notes on a complete analysis. In his War in the Mind, 2. ed., Lond., 1944, 188–221. Also in his Case Book, N. Y., 1948, 188–221.—**Ferenczi, S.** Die Psychoanalyse der Kriegsneurosen. In his Bausteine z. Psychoanal., Lpz., 1927, **3**: 95–118.—**Hunt, S. P.** Analysis of neuroses developing after combat in four individuals with outstanding combat records. Psychosomat. M., 1946, **8**: 258–70.—**Knight, R. P.** The successful treatment of a case of chronic war neurosis by the psychoanalytic method. Bull. Menninger Clin., 1942, **6**: 153–63.—**Levy-Suhl, M.** Ein literarischer Beitrag zur Kriegsneurosenfrage. Internat. Zschr. Individpsychol., Wien, 1927, **5**: 273.—**Müller, H.** Querschnitt durch die Analysen von 200 Neurosen (Kriegsneurosen) mit besonderer Berücksichtigung der neurotischen Störungen der Willensfunktion, deren Beurteilung und Behandlung. Zschr. ges. Neur. Psychiat., 1944, **177**: 214–25.—**Muralt, A.** Les névroses de guerre et la psychanalyse. Schweiz. Arch. Neur. Psychiat., 1920, **7**: 323–38.—**Pereira da Silva, G.** Neurose de guerra. Impr. méd., Rio, 1943, **19**: No. 356, 106–8.—**Rosenberg, E.** A clinical contribution to the psychopathology of the war neuroses. Internat. J. Psychoanal., Lond., 1943, **24**: 32–41.—**Simmel, E.** War neuroses. In: Psychoanal. Today (Lorand, S.) N. Y., 1944, 227–48.—**Swank, R. L.** Combat exhaustion; a descriptive and statistical analysis of causes, symptoms and signs. J. Nerv. Ment. Dis., 1949, **109**: 475–508.

—— Anxiety state.

See also subheading (Combat induced)

Bennet, E. A. Anxiety states in war. Med. Press & Circ., Lond., 1941, **205**: 128–30. Also Mod. Treat. Yearb., Lond., 1942, **8**: 198–203.—**Berg, C.** The lorry driver. In his Case Book, N. Y., 1948, 130–3.—**Gall, H.** Notes on a suggested explanation of the anomalies in the situation regarding the prevalence of anxiety conditions. J. R. Army M. Corps, 1937, **68**: 361–5.—**Gaupp, R.** Schreckneurosen und Neurasthenie. In: Handb. ärztl. Erf. Weltkriege, 1922–34, **4**: 68–101.—**Gauthier, M.** Le syndrome émotionnel; anxieux de guerre et de paix. Arch. méd. pharm. mil., 1935, **102**: 407–43.—**Hartenberg, P.** Les anxiétés de guerre. Bull. Soc. méd. Paris, 1939–40, 20–3.—**Huot, L., & Voivenel, P.** L'anxiété précédant l'assaut. Progr. méd., Par., 1917, 3. ser., **32**: 245.—**Infante Vieira, E.** Anciedade de guerra. Arch. brasil. med., 1926, **16**: 593–9.—**Kaufman, M. R.** Ill health as an expression of anxiety in a combat unit. Psychosomat. M., 1947, **9**: 104–9.—**Keevil, J. J.** Temperature and blood-pressure in anxiety states. J. R. Nav. M. Serv., 1945, **31**: 82–5.—**Lipscomb, F. M.** Contribution to discussion on anxiety neurosis in the Army. J. R. Army M. Corps, 1937, **68**: 32–8.—**Prados, M.** Fright and anxiety states in war psychiatry. McGill M. J., 1944, **13**: 157–62.—**Rénon, L.** L'angoisse de guerre et son traitement. Bull. méd., Par., 1916, **30**: 115. Also Spanish transl., Sem. méd., B. Air., 1916, **23**: pt 1, 223.—**Ross, T. A.** Anxiety neuroses of war. In: Med. Dis. War (Hurst, A. F.) Balt., 1940, 134–55. Also 2. ed., Lond., 1941, 135–60; 3. ed., Lond., 1943, 143–68; 4. ed., Lond., 1944, 149–174.—**Schwab, R. S.** Observations of anxiety and fear in non-hospitalized functioning combat personnel. Tr. Am. Neur. Ass., 1946, **71**: 13–8.—**Segal, M. E.** Anxiety neurosis. Mil. Surgeon, 1939, **85**: 239–41.—**Symonds, C. P.** Anxiety neurosis in combatants. Lancet, Lond., 1943, **2**: 785–9.—**West, R.** War neurosis; the awareness of fear. Brit. M. J., 1942, **1**: 395.—**White.** Neurocirculatory asthenia, anxiety neurosis and allied states. Res. Program U. S. Army M. Res. Bd, 1947, July, 20.—**Wright, M. B.** Anxiety neuroses in war. Proc. Cardiff M. Soc., 1940–41, 57–9.—**Yellowlees, H.** Anxiety states. J. R. Army M. Corps, 1940, **74**: 327–34.

—— Bibliography.

Benson, J. L. A survey of current literature on war neuroses. Proc. Virginia Acad. Sc., 1941–42, 259 (Abstr.)—**Cobb, S.** Review of neuropsychiatry for 1944; neurosis and the war. Arch. Int. M., 1945, **75**: 65–71.—**Wittkower, E., & Spillane, J. P.** A survey of the literature of neuroses in war. In: Neuroses in War (Miller, E.) N. Y., 1940, 1–32.

—— Cases.

Berg, C. Man who swam in a sea of blood. In his Case Book, N. Y., 1948, 167–71. ——— Cambrai 1917, London 1938. Ibid., 172–80. ——— Bombs and shelters. Ibid., 181–5.—**Bickel, H.** Gibt es heute noch eine Kriegsneurose? eine statistische Untersuchung. Deut. Zschr. Nervenh., 1922, **74**: 206–20.—**Brown, W.** Three cases of war psychoneurosis. In his Psychol. & Psychother., 4. ed., Lond., 1940, 231–9.—**Buttersack.** Zur Casuistik der Kriegsneurosen. Med. Cor. Bl. Württemb. ärztl. Landesver., 1916, **86**: 1–5.—**Fenton, N.** A post-war study of a typical group of war neuroses; cases in 1919–20 and 1924–25; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 443–74.—**Fidler, R. F.** A psychiatrist's observations in the B. L. A. J. R. Army M. Corps, 1947, **88**: 186–91.—**Kennedy, F.** Functional nervous disorders in the last war, the Spanish war, and now. Tr. Am. Neur. Ass., 1943, **69**: 79–83.—**Kolb, A. C.** War neuroses among returning soldiers. J. Arkansas M. Soc., 1945–46, **42**: 89–91.—**Marshall, M. Y.** The psychoneuroses of veterans of World War II. Med. Bull. Veterans Admin., 1944–45, **21**: 54–6.—**Neuropsychiatric** case report. Psychosomat. M., 1945, **7**: 310–2.—**Pappenheim, M., & Kraus, V.** Ueber Kriegsneurosen bei türkischen Soldaten. Allg. Zschr. Psychiat., 1918, **74**: 310–3.—**Podmaniczky, T.** Einige interessante Fälle von Kriegsneurosen. Pest. med. chir. Presse, 1915, **51**: 81.—**Schwab, S. I.** War neuroses in two wars. Tr. Am. Neur. Ass., 1943, **69**: 55–61.—**Slater, E.** War neurosis; an error corrected. Brit. M. J., 1942, **1**: 654.—**Sollier, P.** Statistique des cas de névrose dûs à la guerre. Bull. Acad. méd., Par., 1915, 3. ser., **73**: 682–4.—**Sutherland, J. D.** A survey of 100 cases of war neuroses. Brit. M. J., 1941, **2**: 365–70.—**Sutter, J., Stern, H., & Susini, R.** Psychonévroses de guerre; étude d'une centaine de cas personnels. Ann. méd. psychol., Par., 1947, **105**: pt 2, 496–524.—**Trentzsch, P. J.** Postwar observations of neuropsychiatric cases. Med. Rec., N. Y., 1922, **101**: 369–71.—**Weber.** Demonstration von Kriegsneurosen. Münch. med. Wschr., 1916, **63**: 1124.—**Young, J.** Two cases of war neurosis. Brit. J. Psychol., 1921–22, **2**: Sect. Med., 230–6.

—— civilian.

See also **Psychological warfare; War,** Psychological effect.

Metcalf, T. War neurosis in the civil population. 31p. 18½cm. Lond., 1940.

Rozenberg, S. *Remarques sur quelques cas d'angoisse de guerre chez les Juifs de l'Europe Orientale. 44p. 8°. Par., 1934.

Alness, Crichton-Miller, H., & Kimber, W. J. T. Neuroses among civilians in war-times. Lancet, Lond., 1943, **1**: 444.—**Bard, L.** La guerra y los transtornos nerviosos. Arch. brasil. med., 1942, **32**: 83–6.—**Braceland, F. J.** Neuroses and the war. Proc. M. Sect. Am. Life Convent., 1944, **33**: 70–94.—**Carter, L. D.** Neuroses incident to war strain; their effect on the civilian population. J. Indiana M. Ass., 1944, **37**: 72–5.—**Crichton-Miller, H.** The neuroses of non-combatants in time of war. Practitioner, Lond., 1939, **143**: 618–26.—**Davis, P.** Battle casualties on the home front. Virginia M. Month., 1943, **70**: 90–2.—**Deutsch, F.** The psychoneuroses in war-time. Ment. Hyg. News, N. Haven, 1944, **21**: No. 3, 1–4. ——— Civilian war neuroses and their treatment. Psychoanal. Q., 1944, **13**: 300–12.—**Eiras, F.** A guerra e syndromos neuro-especialistas. Bol. Acad. nac. med., Rio, 1918, **89**: 405–21.—**Freeman, W.** Wartime neuroses. Hygeia, Chic., 1942, **20**: 492; 530.—**Frosch, J.** Psychodynamics in a civilian war neurosis. Psychoanal. Q., 1944, **13**: 186–97.—**Gillespie, R. D.** Psychoneuroses among civilians in war. In his Psychol. Effects of War, N. Y., 1942, 106–65.—**Greenlees, T. D.** The war; impressions neuro-and psychological. Med. Press & Circ., Lond., 1916, n. ser., **101**: 101–3.—**Hurst, A. F.** The war neuroses and the neuroses of civil life. Guy's Hosp. Rep., Lond., 1939, **89**: 423–40.—**Kelman, H.** War nerves. Am. J. Psychoanal., 1943, **3**: 66.—**Lewis, A.** Incidence of neurosis in England under war conditions. Lancet, Lond., 1942, **2**: 169–83.—**McBrayer, R.** So-called shell shock in civil life. Tr. M. Soc. N. Carolina, 1926, **73**: 289.—**McKinley, J. C.** Wartime psychoneuroses. J. Lancet, 1943, **63**: 82.—**Maclay, W. S., & Whitby, J.** In-patient treatment of civilian neurotic casualties; report on 100 cases treated in an Emergency Medical Service neurosis centre. Brit. M. J., 1942, **2**: 449–51.—**Mathers, A. T.** Psychoneuroses in wartime. Canad. Nurse, 1943, **39**: 100–5.—**Morales, L. M.** Notes on the neuroses of war in the civilian population. Bol. As. méd. Puerto Rico, 1942, **34**: 83–9.—**Neustatter, W. L.** Reactions subsequent to hostilities. In his Early Treat. Nerv. Ment. Disord., Lond., 1940, 357–60.—**Pilcz, A.** Noch einmal Krieg und Neurose. Psychiat. neur. Wschr., 1934, **36**: 594.—**Psychoneuroses** during war. Physician Bull., 1943, **8**: 12–5.—**Smith, M. E.** Have the neurotic tendencies of the students at the University of Hawaii increased since the war began? J. Social Psychol., 1945, **21**: 179–86.—**Trippe, C. M.** Neuroses and psychoses in wartime. J. M. Soc. N. Jersey, 1942, **39**: 524–8.—**Whitby, J.** Neurosis in a London general practice during the 2nd and 3rd years of war. Proc. R. Soc. M., Lond., 1942–43, **36**: 123–8.—**Willie, J. A.** Neuropsychiatric problems arising in the civilian population. J. Oklahoma M. Ass., 1943, **36**: 287.—**Ziegler, L. H.** Psychoneuroses in war time. Ann. Int. M., 1943, **18**: 941–8.

—— Clinical aspect.

Almeida Prado, J. N. de. A arrancada constitucionalista e a patologia neuro-mental; notas e observações; neuroses de guerra. Gaz. clin., S. Paulo, 1938, **36**: 13; passim.—**Alt.** Ueber Kriegsneurosen. Münch. med. Wschr., 1917, **64**: 1648. Also Berl. klin. Wschr., 1918, **55**: 23. Also Deut. med. Presse, 1918, **22**: 7. Also Deut. med. Wschr., 1918, **44**: 56.—**Alzheimer.** Ueber psychogene Geistes- und Nervenstörungen im Kriege (Krankendemonstrationen) Jahrber. Schles. Ges. vaterl. Cult. (1915) 1916, **2**: Abt. 1, Med. Sekt., 7.—**Culpin, M.** Mode of onset of the neuroses in war. In: Neuroses in War (Miller, E.) N. Y., 1940, 33–54.—**Damaye, H.** Etude sur les affections mentales et

névropathiques occasionnées par les commotions de la guerre. Progr. méd., Par., 1917, 3. ser., **32**: 441–3.—**Gillespie, R. D.** Psychoneuroses and other mental conditions arising out of the war. Guy's Hosp. Gaz., Lond., 1941, **55**: 38–41.—**Gilsenan, B. M. C.** Some aspects of war neurosis. West London M. J., 1940, **45**: 10–5.—**Goldstein, K.** Neuroses in war time, from personal experiences. Tufts M. J., 1941–42, **8**: 2–8. ——— On so-called war neuroses. Psychosomat. M., 1943, **5**: 376–83.—**Honigmann, G.** Ueber Kriegsneurosen. Verh. Kongr. inn. Med., 1907, **24**: 118–59.—**Hurst, A. F.** Cinematograph demonstration for war neuroses. Proc. R. Soc. M., Lond., 1918, **11**: Sect. Neur., 39–42.—**Kalmus, E.** Some notes about war neurosis. Harefuah, Tel Aviv, 1949, **36**: 43–5.—**Kennedy, F.** Functional nervous disorders associated with warfare. N. York State J. M., 1942, **42**: 425–30.—**Löwenstein** Erfahrungen bei Kriegsneurosen. Münch. med. Wschr., 1918, **65**: 196.—**Majocchi, A.** Kriegsnerven. In his Nachtwachen, Frauenfeld, 1946, 117–40.—**Phillips, E. L.** War neurosis; a preliminary study of clinical and control groups. J. Clin. Psychol., 1947, **3**: 148–54. ——— A second study of clinical and control groups. Ibid., 155–64.—**Sakurai, T.** Psychiatric observations on war neurosis. Med. Targets, 1945, No. M–AB, 134.—**Skinner, E. F.** War neuroses. Clin. J., Lond., 1942, **71**: 105–13.—**Stern, R. L.** Diary of a war neurosis. J. Nerv. Ment. Dis., 1947, **106**: 583–6.—**Vallejo Nágera, A.** Panorama emotivo en la retaguardia. In his Locura & guerra, Vallad., 1939, 91–7.—**Williams, F. E.** Cinematographic records of war neuroses. J. Nerv. Ment. Dis., 1918, **47**: 42.

—— Combat induced.

See also other subheadings; also **Combat; Heart neurosis; Neuropsychiatric casualty.**

Armitage, H. G. Use of fatigue diagnosis. Hosp. Corps Q., 1944, **17**: No. 5, 96.—**Bartemeier, L. H., Kubie, L. S.** [et al.] Combat exhaustion. J. Nerv. Ment. Dis., 1946, **104**: 358; 489.—**Bellamy, W. A.** Battle exhaustion. Med. Press & Circ., Lond., 1945, **214**: 155.—**Berger, M. M.** Study of combat fatigue cases returned to front-line duty. J. Mil. M. Pacific, 1946, **2**: No. 4, 23–5.—**Billings, R. M., Chalke, F. C. R., & Shortt, L.** Battle exhaustion; a follow-up study. Canad. M. Ass. J., 1947, **57**: 152–5.—**Blakeslee, G. A.** Nervous and mental diseases of soldiers during active warfare. N. York State J. M., 1941, **41**: 1241–7.—**Bleckwenn, W. J.** Neuroses in the combat zone. Ann. Int. M., 1945, **23**: 177–83.—**Brody, M. W.** The battle neurosis. Bull. U. S. Army M. Dep., 1946, **5**: 412–9.—**Brooke, E. M.** Battle exhaustion. Brit. M. J., 1946, **2**: 491–3.—**Brown, W.** War neurosis; a comparison of early cases seen in the field with those seen at the Base. Proc. R. Soc. M., Lond., 1918–19, **12**: Sect. Psychiat., 52–61.—**Chodoff, P.** The combat induced anxiety state as seen after return to duty. J. Nerv. Ment. Dis., 1945, **102**: 590–600.—**Cohen, B., & Swank, R. L.** Chronic symptomatology of combat neuroses. War Med., Chic., 1945, **8**: 143–5.—**Cohen, R. A., & Delano, J. G.** Subacute emotional disturbances induced by combat. Ibid., **7**: 284–96.—**Critchley, M.** Exhaustion in relation to fighting efficiency; reactions of men to long periods in open boats. In: Interallied Conf. War Med. (1942–45) 1947, 289–93.—**Early** recognition and treatment of neuropsychiatric conditions in the combat zone. Circ. Lett. U. S. Surg. Gen. War Dep., 1943, 176, 1–6. Also Illinois M. J., 1943, **84**: 360–2. Also J. Am. M. Ass., 1943, **123**: 705.—**Gillespie, R. D.** Psychoneuroses in the fighting forces. In his Psychol. Effects of War, N. Y., 1942, 166–208.—**Goethe, W.** [Cannon fever, 1792] Albany M. Ann., 1917, **38**: 239.—**Hersloff, N. B., & Brodsky, A.** The combat syndrome. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 20–5.—**Hohman, L. B.** High incidence of the combat fatigue syndrome. Dis. Nerv. Syst., 1947, **8**: 188–92. ——— The emotional toll of combat experience. North Carolina M. J., 1947, **8**: 631–3.—**Kennedy, F.** Some clinical observations on battle shock. Med. Rec., N. Y., 1916, **89**: 388.—**Kinberg, O.** [On psychic and nervous disturbances of soldiers in the field] Hygiea, Stockh., 1916, **78**: 97–126.—**Lidz, T.** Nightmares and the combat neuroses. Psychiatry, Balt., 1946, **9**: 37–49.—**Ludwig, A. O.** Neuroses occurring in soldiers after prolonged combat exposure. Bull. Menninger Clin., 1947, **11**: 15–23.—**McElroy, R. B.** Psychoneuroses, combat-anxiety type. Am. J. Psychiat., 1944–45, **101**: 517–20.—**Mallet, R.** Troubles d'origine émotive chez le combattant. Progr. méd., Par., 1916, 3. ser., **31**: 48.—**Marburg, O.** Nervöse Folgezustände von kriegerischen Ereignissen. Militärarzt, Wien, 1914, **48**: 402–4.—**Menninger, W. C.** Reactions to combat. In his Psychiat. in a Troubled World, N. Y., 1948, 134–52. ——— Combat exhaustion. Ibid., 140–51.—**Murray, J. M.** Psychiatric evaluation of those returning from combat. J. Am. M. Ass., 1944, **126**: 148–50.—**Neumann, K. E.** Psychologische Beobachtungen im Felde. Neur. Zbl., 1914, **33**: 1243–5.—**Pilcz, A.** Frontdienst und Neurose. Psychiat. neur. Wschr., 1934, **36**: 67.—**Psychoneuroses** from the standpoint of war experience. Bull. Vancouver M. Ass., 1941–42, **18**: 101.—**Raecke.** Feldärztlicher Beitrag zum Kapitel Kriegsneurosen. Arch. Psychiat., Berl., 1918, **59**: 1–5.—**Raines, G. N., & Broomhead, E.** Rorschach studies on combat fatigue. Dis. Nerv. Syst., 1945, **6**: 250–6.—**Raines, G. N., & Kolb, L. C.** Combat fatigue and war neurosis. U. S. Nav. M. Bull., 1943, **41**: 923; 1299. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 99–111. ——— Treatment of combat induced emotional disorders in a general hospital within the continental limits. Am. J. Psychiat., 1944–45, **101**: 331–5. ——— **& Hohman, L. B.** Methods of recovery in combat fatigue and the influence of therapy. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 171–80.—**Ranson, S. W.** The normal battle reaction; its relation to the pathologic battle reaction. Bull. U. S. Army M. Dep., 1949, 9: Suppl., 3–11.—**Rennie, T. A. C., & Woodward, L. E.** Combat fatigue. In their Ment. Health, N. Y., 1948, 69–77.—**Rhein, J. H. W.** Neuropsychiatric problems of an army at the front, both during and immediately after combat. Arch. Neur. Psychiat., Chic., 1919, **2**: 245.—**Saul, L. J., Rome, H., & Leuser, E.** Desensitization of combat fatigue patients. Am. J. Psychiat., 1945–46, **102**: 476–8.—**Schwab, R. S., Finesinger, J. E., & Brazier, M. A. B.** Psychoneuroses precipitated by combat. U. S. Nav. M. Bull., 1944, **42**: 535–44. Also in Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 94–8.—**Shaffer, L. F.** Psychological studies of anxiety reaction to combat. Res. Rep. Aviat. Psychol. U. S. Air Forces, 1947, No. 14, 93–121.—**Smith, E. R.** Neuroses resulting from combat. Am. J. Psychiat., 1943–44, **100**: 94–7.—**Sobel, R.** The old sergeant syndrome. Psychiatry, Balt., 1947, **10**: 315–21. Also Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 137–46.—**Solomon, P.** Incidence of combat fatigue. Arch. Neur. Psychiat., Chic., 1947, **57**: 332–41. ——— The diagnosis of combat fatigue. U. S. Nav. M. Bull., 1947, **47**: 850–6.—**Steckel, H. A.** War neuroses in the combat areas. State Hosp. Q., Utica, 1919, **5**: 44–56.—**Stellar, S.** Combat exhaustion. Bull. internat. Serv. santé, Liége, 1945, **18**: 1–6.—**Teicher, J. D.** Disciplinary problems among men with combat fatigue. U. S. Nav. M. Bull., 1945, **45**: 1125.—**Thompson, L. J.** Concerning combat exhaustion. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 139–46. ——— Operational strain; psychological casualties in the field. In: Interallied Conf. War Med. (1942–45) 1947, 239–41. ——— Management of combat exhaustion in the Army. Ibid., 246–8.—**Uhlmann, F.** Ueber nervöse und psychische Erkrankungen bei Kriegsteilnehmern. Med. Cor. Bl. Württemb. ärztl. Landesver., 1916, **86**: 326; passim.—**Vallejo Nágera, A.** Emotividad en los frentes de combate. In his Locura & guerra, Vallad., 1939, 81–9.—**Vinson, D. B., jr.** Neurotic behavior patterns arising out of the combat situation. Dis. Nerv. Syst., 1946, **7**: 19–22.—**Von Briesen, H.** A discussion of stress and exhaustion as a primary as well as a contributing etiologic factor in organic neurologic disease. Mil. Surgeon, 1947, **101**: 286–90.—**Weinberg, S. K.** The combat neuroses. Am. J. Sociol., 1945–46, **51**: 465–78.—**Weinstein, E. A., & Drayer, C. S.** A dynamic approach to the problem of combat-induced anxiety. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 12–25.—**Whitehorn, J. C.** Combat exhaustion. Bull. Johns Hopkins Hosp., 1946, **79**: 91–4.

—— Compensation.

Boschi, G. Modalità di indennizzo nella sinistrosi. Minerva med., Tor., 1940, **31**: pt 2, 191.—**Consiglo, P.** Revisione delle pensioni di guerra nelle malattie nervose e mentali. Riv. ital. neuropat., 1923, **16**: 87–103.—**Gross, C.** Nervöse Kriegsdienstschädigungen. Wien. klin. Wschr., 1916, **29**: 1577.—**Horn, P.** Zur Abfindungsfrage bei Kriegsneurosen. Med. Klin., Berl., 1917, **13**: 170; 197.—**Lewy, E.** Compensation for war neuroses. War Med., Chic., 1941, **1**: 887–94.

—— Diagnosis.

Bell, G. A. War neurosis and scrimshankers. Brit. M. J., 1942, **1**: 708.—**Catòla, G.** A proposito di alcune sindroma nervose funzionali di guerra con considerazioni in rapporti alla simulazione nelle sue varie forme. Riv. pat. nerv., 1916, **21**: 662–75.—**G., R. G., & Hargreaves, G. R.** The differential diagnosis of the psychoneuroses of war. In: Neuroses in War (Miller, E.) N. Y., 1940, 85–104.—**García Valcárcel, A.** Neurosis de guerra y simulación, diagnóstico y curación en primera línea. Rev. españ. med. cir. guerra, 1941, **6**: 302–9.—**Hennelly, T. J.** Differential diagnosis in war neuroses. Proc. Cardiff M. Soc., 1940–41, 63–9.—**Jellinek, S.** Zur militärärztlichen Konstatierung der Kriegsneurosen. Wien. klin. Wschr., 1916, **29**: 189–93.—**Naegeli.** Schlussfolgerungen für die Art der Abfindung der Kriegsneurosen gezogen aus den Friedenserfahrungen über Unfallsneurosen. Zschr. ärztl. Fortbild., 1918, **15**: 201–3.—**Schmidt, W.** Untergruppe: Simulation. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 110–22.—**Thorne, P. S.** War neurosis and scrimshankers. Brit. M. J., 1942, **1**: 537.

—— Disability.

See also subheading (Compensation)

Boschi, G. Criteri direttivi nell'assistenza agli invalidi per lesioni funzionali del sistema nervoso. Gior. med. mil., 1919, **67**: 1307.—**Grifi, V.** Osservazioni epicritiche su invalidi di guerra per nevrosi. Riv. sper. freniat., 1926, **50**: 617–20.—**Hoche, A.** Ueber Wesen und Tragweite der Dienstbeschädigung bei nervös und psychisch erkrankten Feldzugsteilnehmern. Mschr. Psychiat., 1916, Orig., **39**: 347–67.—**Michael, N.** The psychoneurotic in the Armed Forces. Am. J. Psychiat., 1942–43, **99**: 651–3.—**Oppenheim, Nonne, Gaupp.** Leitsätze über die Neurosen nach Kriegsschädigungen. Zschr. Bahnärzte, 1917, 12: 9–13.—**Rosenfeld.** Zur Beurteilung der Dienstfähigkeit der Kriegsneurotiker. Strassburg. med. Ztg, 1917, **14**: 85–90.

—— Effects.

See also subheading (Prognosis)

Burlingame, C. C. Present and future effects of war neuroses. Proc. Inst. M. Chicago, 1944–45, **15**: 210–2. Also J. Nerv. Ment. Dis., 1945, **101**: 429–33.—**Persisting** effects of war neuroses, conference of consultants on ex-servlce cases. Brit. M. J., 1935, **2**: 179–81.—**Roussy, G., & Boisseau, J.** Les psychonévroses de guerre et leurs séquelles d'après-guerre. J. méd. fr., 1919, **8**: 401–8.—**Sturdevant, C. O.** Residuals of combat induced anxiety. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 32–9. Also Am. J. Psychiat., 1946–47, **103**: 55–9.—**Turner, W. A.** After-effects of war neuroses. J. R. Army M. Corps, 1932, **58**: 42–6.

—— Evacuation, and administrative aspect.

Hayman, M. The adminlstrative aspect of combat neurosis. Bull. U. S. Army M. Dep., 1946, **6**: 160–6.—**Levi, V. E.** [War neurosis and evacuation from Army zones] Sovet. psikhonevr., 1941, **17**: 60–6.—**Weber, F. W. A.** Wie sollen wir uns in einem zukünftigen Kriege zu den Kriegsneurotikern stellen? Münch. med. Wschr., 1939, **86**: 1305.

—— Forensic aspect.

See also other subheadings (Compensation; Diagnosis; Disability)

Baumm, H. Was der Kassenarzt von den sogenannten Unfall- und Kriegsneurosen und ihrer Behandlung beziehungsweise Verhütung wissen muss. Fortsch. Ther., 1927, **3**: 777; passim.—**Bonhöffer.** Die Bedeutung der Kriegsbeschädigungen in der Psychopathologie unter besonderer Berücksichtigung der D.-B.-Frage. Med. Klin., Berl., 1916, **12**: 1301.—**Boveri, P.** Di alcune questioni medico-legali in rapporto alla guerra; le nevrosi. Riv. crit. infortunist., 1916, **5**: 33–5.—**Fraenkel, M.** Kriegsneurosen und Gutachtertätigkeit. Med. Klin., Berl., 1918, **14**: 635–8.—**Horsley, F. M.** War neurosis and lack of evidence to establish it. Virginia M. Month., 1935–36, **62**: 592.—**Kardiner, A.** Forensic issues in the neuroses of war. Am. J. Psychiat., 1942–43, **99**: 654–61.—**Kretschmer, E.** Entwurf zu einem einheitlichen Begutachtungsplan für die Kriegs- und Unfallneurosen. Münch. med. Wschr., 1919, **66**: 804–8.—**Masucci, A.** Sordità e mutismo isterico per lo sparo di un cannone; studio del caso in rapporto alla legge sulle pensioni militari e civili. Ann. med. nav., Roma, 1915, **1**: 38–45.—**Neustadt, R.** Begutachtung und Fehlbegutachtung psychopathischer und hysterischer Krankheitserscheinungen als Folgen des Kriegsdienstes. Med. Welt, 1927, **1**: 917–9.—**Rohde, M.** Die Vorgeschichte bei Neurosen und ihre Bedeutung für die Dienstbeschädigungsfrage. Allg. Zschr. Psychiat., 1919, **75**: 664–89.—**Rosenfeld, M.** Zur Frage der Erwerbsbeschränkung durch Dienstbeschädigung bei Kriegsneurosen. Strassburg. med. Ztg, 1917, **14**: 46–9.—**Schnyder, L.** La question des troubles nerveux fonctionnels de la guerre. Schweiz. Arch. Neur. Psychiat., 1918, **2**: 116–29; Disc., 170–3.—**Strassmann, G.** Gerichtsärztliche Erfahrungen und Spätuntersuchungen an Kriegsneurotikern. Deut. Zschr. gerichtl. Med., 1926, **7**: 309–32.—**Weber, L. W.** Zur Begutachtung der Kriegsneurotiker. Deut. med. Wschr., 1921, **47**: 1094.—**Weiler, K.** Wie steht man heute zu dem Problem der Neurosen als Kriegsdienstbeschädigung? Zschr. ärztl. Fortbild., 1934, **31**: 503–5.

—— Fugue.

Fisher, C. Amnesic states in war neuroses; the psychogenesis of fugues. Psychoanal. Q., 1945, **14**: 437–68.—**Schmidt, W.** Pseudofuguezustände. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 151–61.

—— Hysteria.

See as main heading.

—— juvenile.

See also **War,** Effect on children: Mental effect.

Burt, C. War neuroses in British children. Nerv. Child, 1942–43, **2**: 324–37.—**Young, F. M.** A juvenile case of war-connected trauma. J. Psychol., Provincet., 1945, **19**: 31–42.

—— Manifestations.

See also **Blind; Psychopath.**

Muck, K. A. J. B. O. Beobachtungen und praktische Erfahrungen auf dem Gebiet der Kriegsneurosen der Stimme, der Sprache und des Gehörs. 47p. 22cm. Wiesb., 1918.

Cololian, P. Psychonévrose de guerre, l'hyperémotivité. Gaz. hôp., 1949, **122**: 433.—**Denéchau, D.** Les phréno-névroses; gros ventre de guerre ou ventre accordéon; bruits de croassements abdominaux. Presse méd., 1919, **27**: 3–5.—**Golman, S. V.** [Valuation of objective symptoms of functlonal disorder of the nervous system under conditions of war] Voen. med. J., Moskva, 1931, **2**: 53–66.—**Kasamatsu, A.** Manifestations and development of aspects of war neurosis. Med. Targets, 1945, No. M–AB, 133.—**Lehrman, S. R., & Michaels, J. J.** Psychopath-like behavior in war neurotics. J. Nerv. Ment. Dis., 1946, **103**: 446–55.—**Lellis, A.** Dos phenomenos physiopathicos nas psycho-neuroses da guerra. Brasil med., 1920, **34**: 756.—**Mattos, O. de.** Estados de agitação; excitação psico-motora; reações impulsivas. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 125–40.—**Pollock, L. J.** Psychoneuroses of war. Arch. Neur. Psychiat., Chic., 1943, **49**: 924.—**Porak, R.** Nouveaux signes physiologiques des psychonévroses de guerre. C. rend. Soc. biol., 1916, **79**: 630–4.—**Rugani, L.** Sulle nevrosi belliche in riguardo all'otorinolaringologia (sordità, anosmia, ageusia, afonia, mutismo) Arch. ital. otol., 1920, **31**: 139–66.—**Schmidt, W.** Fahnenflucht und unerlaubte Entfernung. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 1–13. ——— Pathologischer, komplizierter und typischer Rausch. Ibid., 14–39. ——— Rauschzustände. Ibid., 23–39. ——— Landstreicher. Ibid., 79–81. ——— Haltlose Offiziere. Ibid., 89–96. ——— Hysterische Anfälle. Ibid., 96–104.—**Slater, E.** War neuroses; general symptomatology and constitutional factors. Med. Press & Circ., Lond., 1941, **205**: 133–5.

—— naval.

Curran, D., & Garmany, G. Post-operational strain in the Navy. Brit. M. J., 1944, **2**: 144–6.—**Davidson, S. M.** Anxiety states arising in naval personnel, afloat and ashore. N. York State J. M., 1942, **42**: 1654–6.—**Hill, J. M.** Nervous reactions in naval war time personnel. Northwest M., 1944, **43**: 114.—**K., W. F.** Combat fatigue. Bumed News Lett., Wash., 1944, **4**: No. 4, 1.—**Kolb, L. C.** Duty status following an induced emotional state; report of a case. U. S. Nav. M. Bull., 1944, **42**: 438.—**Nervous** (The) system and naval warfare. Ibid., 1914, **8**: 576–86.—**Raines, G. N., & Kolb, L. C.** Combat fatigue and war neurosis. Ibid., 1943, **41**: 923–36.

—— Neurasthenia.

See **Neurasthenia.**

—— ocular.

See also **Blind.**

Birge, H. L. Ocular war neuroses. Arch. Ophth., Chic., 1945, **33**: 440–8.—**Harrington, D. O.** Wartime ocular neuroses. J. Nerv. Ment. Dis., 1944, **99**: 622–30.—**Michaelson, I. C.** Ocular manifestations of neuroses commonly found among soldiers. Brit. M. J., 1943, **2**: 538–41.—**Schweinitz, G. E. de.** Concerning the ocular phenomena in the psychoneuroses of warfare. Tr. Am. Ophth. Soc., 1919, **17**: 128–51, 2 pl. Also Am. J. Ophth., 1919, 3. ser., **2**: 691–3.

—— Organized care.

Bonhoeffer, K. Fürsorge für Hirnverletzte und Kriegsneurotiker. Berl. klin. Wschr., 1919, **56**: 91–3.—**Jarrett, M. C.** War neuroses after the war; extra-institutional preparation. Proc. Nat. Conf. Social Work, 1918, **45**: 558–64.

—— Pathogenesis.

See also **Combat,** Psychological effect.

Wietfeldt, H. Kriegsneurose als psychisch-soziale Mangelkrankheit. 35p. 8° Lpz., 1936.

Appel, J. W. A note on the teleology of combat incurred neuroses. Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25**: 125–38.—**Astvacaturov, M. I.** [Psychosomatic correlation in neurotic symptoms during war time] Tr. Acad. mil. méd. Kiroff, 1935, **2**: 45–43.—**Berg, C.** The emergence of an unsuspected war neurosis. Practitioner, Lond., 1940, **145**: 345–8.—**Bianchi, L.** Relazione sulle nevrosi e psicosi alla commissione del dopo guerra. Ann. nevr., Nap., 1919, **35**: 135–46.—**Camino, J.** Los traumatismos psicológicos en el campo de batalla. Rev. san. mil., Madr., 1921, 3. ser., **11**: 643–8.—**Cochran, E. W.** The genesis of combat fatigue. Dis. Nerv. Syst., 1946, **7**: 211–5.—**Consiglio, P.** Nevrosi e psicosi in guerra. Gior. med. mil., 1913, **61**: 32–61.—**Discussion** sur les troubles nerveux dits fonctionnels observés pendant la guerre. Rev. neur., Par., 1914, **22**: 447–52.—**Edel, P., & Hoppe, A.** Zur Psychologie und Therapie der Kriegsneurosen. Münch. med. Wschr., 1918, **65**: 836–40.—**Fairbairn, W. R. D.** The war neuroses; their nature and significance. Brit. M. J., 1943, **1**: 183–6.—**Fränkel, F.** Ueber die psychopathische Konstitution bei Kriegsneurosen. Mschr. Psychiat., 1920, **47**: 287–309.—**Fribourg.** Psychonévroses de guerre; les effets immédiats et eloignés de la guerre sur le système nerveux des combattants. Rapp. Congr. internat. méd. pharm. mil., 1931, 6. Congr., **1**: 114–71.—**Fröderström, H.** [War neuroses] Allm. sven. läk. tidn., 1919, **16**: 1; 33.—**Gaupp, R.** Kriegsneurosen. Zschr. ges. Neur. Psychiat., 1916, Orig., **34**: 357–90. ——— Von der Nervenkranken des Krieges. Bl. Volksgesundhpfl., 1917, **17**: 97–100.—**Gillespie, R. D.** War neuroses after psychological trauma. Brit. M. J., 1945, **1**: 653–6.—**Hanson, F. R.** The factor of fatigue in the neuroses of combat. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 147–50.—**Hurst, A.** Predisposing causes of war neuroses. In his Med. Dis. War, 2. ed., Lond., 1941, 1–4; 3. ed., Lond., 1943, 1–4.—**Jackel, M. M.** Precipitating factors in the war neuroses. Mil. Surgeon, 1946, **98**: 326–9.—**Jacobsohn, L.** Krieg und Nervensystem. Ther. Gegenwart, 1915, **56**: 22–9.—**Jendrássik, E.** Einige Bemerkungen zur Kriegsneurose. Neur. Zbl., 1916, **35**: 496–500.—**Juliusburger, O.** Zur Kenntnis der Kriegsneurosen. Mschr. Psychiat., 1915, **38**: 305–18.—**Kennedy, F.** War neurosis as it is related to psychosomatic medicine. N. York State J. M.,

1945, 45: 2285–90.—**Kurshakov, N. A.** [Cardio-neural overstrain in wartime] Hosp. delo, 1944, No. 4, 21–4.—**Laudenheimer, R.** Predisposition to neuroses in war. Med. Press & Circ., Lond., 1940, 204: 43–5.—**Lippert, E.** Umwelt, Krankheit und Psyche. Wien. med. Wschr., 1947, 97: 207.—**Mackwood, J., & Fairbairn, W. R. D.** War neuroses; their nature and significance. Brit. M. J., 1943, 1: 396.—**Madigan, P. S., Odom, C. C., & Porter, W. C.** The psychoneuroses of war; the immediate and remote effects of war on the nervous system in combatants and non-combatants. Rapp. Congr. internat. méd. pharm mil., 1931, 6. Congr., 1: 245–72.—**Margulis, M. S.** O patogeneze i patofixiologii kauzalgićeskogo sindroma. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 311–21.—**Marín R., J.** L'émotivité et la névrose de guerre. Arch. méd. belges, 1936, 89: Bull., 3–10. Also Rev. san. nav., Valparaíso, 1936, 6: 4–9.—**Maskin, M.** Psychodynamic aspects of the war neuroses. Psychiatry, Balt., 1941, 4: 97–115.—**Menninger, W. C.** Modern concepts of war neuroses. Bull. Menninger Clin., 1946, 10: 196–209. Also Bull. N. York Acad. M., 1946, 22: 7–22.—**Mikorey & Bumke.** Psychogenic reactions. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 178–85.—**Miller, E.** Psychopathological theories of neuroses in war-time. In his Neuroses in War, N. Y., 1940, 105–18.—**Moersch, F. P.** The psychoneuroses of war. Collect. Papers Mayo Clin. (1943) 1944, 35: 645–51.—**Moloney, J. C.** The character disintegration of war neurosis exposes the mechanism of character synthesis. In his Magic Cloak, Wakefield, 1949, 119–54, 2 pl.—**Monrad-Krohn, G. H.** Om nervøse krigsreaksjoner og krigsnevroser. Nord. med., 1941, 10: 1915; 1942, 13: 184; Disc., 185; passim.—**Montague, J. B.,** jr. Social factors in combat fatigue. Appl. Anthrop., 1947, 6: No. 4, 14–20.—**Oppenheim, H.** Stand der Lehre von den Kriegs- und Unfall-Neurosen. Berl. klin. Wschr., 1917, 54: 1169–72.—**Panse, F.** Verursachung, Auslösung und Verschlimmerung endogener Nerven- und Geisteskrankheiten durch Kriegseinflüsse. Med. Klin., Berl., 1940, 36: 1; 531; 731.—**Povorinsky, J. A.** [Physiopathologic concept of postcontusional and reactive affectogenic war neuroses and basis for their treatment] Nevropat. psikhiat., 1943, 12: No. 5, 56. ——— Experimentalnoe issledovanie korkovoj dinamiki pri postkontuzionnykh i isterićeskikh rasstrojstvakh. Voen. med. sborn., 1946, 3: 95–109.—**Psychoneuroses** of war: the immediate and remote effects of war on the nervous system of combatants and noncombatants. Rep. Internat. Congr. Mil. M. Pharm., 1933, 16: 66–94.—**Richter, A.** Kriegsneurose und Psychogenie. Wien. klin. Wschr., 1917, 30: 1647.—**Rieth, A., & Schellworth, W.** Psychogene Dauerreaktionen (sog. Neurosen) In: Arzt i. d. Wehrmachtvers. (Heinemann-Grüder, C.) Dresd., 1942, 235–44.—**Riggenbach, O.** Zur Frage der Kriegsneurosen. Vjschr. schweiz. Sanitätsoff., 1944, 21: 119–27.—**Russel, C. K.** The naturc of the war neuroses. Canad. M. Ass., J., 1939, 41: 549–54.—**Saarnio, L.** [On war neuroses] Duodccim, Helsin., 1940, 56: 228–54.—**Saul, L. J.** Psychological factors in combat fatigue; with special reference to hostility and the nightmares. Psychosomat. M., 1945, 7: 257–72.—**Seige, M.** Zur Frage der Kriegsneurose. Neur. Zbl., 1920, 39: 12.—**Sharp, W. L.** Stress versus predisposition in combat psychiatry. J. Indiana M. Ass., 1947, 40: 1234–9.—**Simarro y Puig, J.** Algunas consideraciones sobre las neurosis de guerra. Rev. espan. med. cir. guerra, 1941, 7: 23–33.—**Swank, R. L., & Marchand, W. E.** Combat neuroses; development of combat exhaustion. Arch. Neur. Psychiat., Chic., 1946, 55: 236–47.—**Vallejo Nágera, A.** El agotamiento nervioso de guerra. In his Locura & guerra, Vallad., 1939, 63–9.—**Vincent, C.** Les réactions observées sur le champ de bataille chez un homme de constitution emotive. Rev. neur., Par., 1918, 25: 467–75.—**Visher, J. W., & Tartar, G.** The neurotic goal in post-war neuroses. Ment. Hyg., Alb., 1926, 10: 355–61.—**War** strain, a debate at the Tavistock Clinic. Lancet, Lond., 1940, 2: 818.—**War** stress and the incidence of neurosis. Brit. M. J., 1943, 1: 422.—**Weinstein, E. A.** The function of interpersonal relations in the neurosis of combat. Psychiatry, Balt., 1947, 10: 307–14.

—— Pathology.

See also **Narcolepsy.**

Leclerc, H. Les modifications de la pression sanguine dans la névrose de guerre. J. prat., Par., 1940, 54: 122.—**Pegge, G.** War neuroses. Brit. M. J., 1943, 1: 333.

—— Prevention.

Ames, T. H. The prevention of war neuroses. Canad. M. Ass. J., 1918, 8: 1018–27.—**Dawson, W. S.** Prevention of war neuroses. Med. J. Australia, 1941, 2: 375–8.—**Snowden, E. N.** Prevention of war psychoneurosis in soldiers. Lancet, Lond., 1939, 2: 1130–2.—**Stier, E.** Wie kann der Entstehung von Kriegsneurosen bei der Feldarmee vorgebeugt werden? Deut. mil. ärztl. Zschr., 1918, 67: 142.—**Wishart, J.** Notes on the prevention of war neuroses. J. R. Army M. Corps, 1948, 91: 215.

—— Prognosis.

See also subheading (Effects)

Schwanen, H. *Die Schicksale der Kriegs- und Unfallneurotiker, 1926. 27p. 8° Bonn, 1927.

Harwood, P. H., jr. Prognosis of war neuroses without psychotherapy. Am. J. Psychiat., 1945–46, 102: 641–6.—**Heppenstall, M. E., Hill, D., & Slater, E.** The E. E. G. in the prognosis of war ncurosis. Brain, Lond., 1945, 68: 17–22.—**Olkon, D. M.** Treatment of ncuroses and mental and psychic disturbances of war and their prognosis. Dis. Nerv. Syst., 1944, 5: 272–7.—**Owen, J. W.** Prognosis in acute combat neuroses. Bull. Menninger Clin., 1947, 11: 24–32.—**Panse, F.** Das Schicksal von Renten- und Kriegsneurotikern in seiner Abhängigkeit von Begutachtung und Umwelteinflüssen. Deut. Zschr. Nervenh., 1925–26, 88: 232–7.—**Schneider, E.** Zur Klinik und Prognose der Kriegsneurosen. Wien. klin. Wschr., 1916, 29: 1295–303.—**Schwab, R. S., & Rochester, H.** Relationship of stress, breakdown, instability and recovery in men with combat and with noncombat neuroses. War Med., Chic., 1945, 7: 12–8.

—— Rehabilitation.

See under **Neurotic.**

—— Shell shock.

See also **Hysteria; Neurasthenia.**

Ames, T. H. War shock; its occurrence and symptoms. J. Nerv. Ment. Dis., 1918, 47: 43–7.—**Benon, R.** Guerre: facteur étiologique; commotions, émotions, surmenage. Presse méd., 1919, 27: 352–4.—**Bermann, G.** Conmoción nervlosa por explosión de proyectiles. Rev. san. mil., B. Air., 1941, 40: 149; 250.—**Blum, P., & Poisson, J.** La commotion nerveuse par les explosifs. Progr. méd., Par., 1918, 3. ser., 33: 393.—**Chavigny.** Grosses explosions de guerre et commotions. Bull. Acad. méd., Par., 1919, 3. ser., 81: 822.—**Damaye.** Notes sur les commotionnés de la guerre. Progr. méd., Par., 1919, 3. ser., 34: 59.—**Dane, P. G.** Shell shock or traumatic neurosis. Psychoanal. Rev., 1949, 36: 296–301.—**Denny-Brown, D.** Shell-shock and effects of high explosives. Collect. Lect. Metrop. State Hosp., Waltham, 1942, 7: pt 1, 110–9. Also J. Laborat. Clin. M., 1942–43, 28: 509–14. Also Collect. Papers Dep. Nerv. Harvard M. School, 1944, 13: No. 16, 3–8.—**Egas Moniz, A. C. de A. F.** Os comocionados da guerra. Portugal méd., 1917, 3: 1–14.—**Fiessinger, N.** Choc émotionnel par explosion d'obus de gros calibre. Rev. gén. clin. thér., 1915, 29: 99.—**Harwood, T. E.** Shell shock. Lancet, Lond., 1916, 1: 698.—**Lépine, J.** La commotion des centres nerveux par explosion. Lyon méd., 1916, 125: 181.—**Léri, A.** Les commotions des centres nerveux par éclatement d'obus. Rev. gén. path. guerre, 1916–17, 1: 169–212.—**Lippay-Almássy, A.** [Physical and psychical shock on the battlefield] Orv. hetil., 1941, 85: mellék., 40.—**Lumsden, T.** Shell shock. Lancet, Lond., 1917, 1: 34.—**McVicar.** Shell shock. Ontario J. Neuro-psychiat., 1921, No. 1, 48–51.—**Muirhead, I. B.** Shock and the soldier. Lancet, Lond., 1916, 1: 1021.—**Nervous** shock in peace and war. Nature, Lond., 1942, 149: 324.—**Porter, W. T.** Shock at the front. Boston M. & S. J., 1916, 175: 854–8. ——— Shock; observations at the Front. N. York M. J., 1917, 106: 894.—**Roussy, G., & Boisseau, J.** Les sinistroses de guerre accidents nerveux par éclatement d'obus à distance. Arch. méd. pharm. mil., 1916–17, 66: 541. ——— Les accidents nerveux déterminés par la déflagration des explosifs. Paris méd., 1916–17, 21: 185–91.—**Sarbó, A.** A gránát- és shrapnell-robbanás okozta ú. n. idegchockról. Orv. hetil., 1915, 59: 45–8. Also Pest. méd. Chir. Presse, 1915, 51: 21. Also Wien. Klin. Wschr., 1915, 28: 86–90.—**Schermers, D.** Het springen van mijnen en het ontploffen van granaten. Med. Wbl. Nederland, 1916–17, 23: 193–5.—**Sforza, N.** Le sindromi nervose di commozione da scoppio di granata. Med. nuova, 1916, 7: 6–10.—**Starr, M. A.** War strain and shell shock. Med. Rec., N. Y., 1918, 94: 655.—**Tisdall, C. F.** Shell shock. Pub. Health J., Toronto, 1919, 10: 6–12.—**Vincent, C.** Sur les accidents nerveux déterminés par la déflagration de fortes charges d'explosifs. Rev. neur., Par., 1916, 23: 573–609.—**Widerøe, S.** [Shell shock] Norsk tskr. mil. hälsov., 1917, 21: 77–90.—**Wooders, M. A., & Curtis, D. A.** Notes on war surgery, shell shock, and malingering. In their Emergency Care, Phila., 1942, 487–97.

—— Shell shock: Cases.

Jellinek. Schüttelneurose bei einem kriegsgefangenen russischen Hauptmann. Wien. klin. Wschr., 1917, 30: 1122.—**Jones, W. E.** A case of shell shock. Med. J. Australia, 1914–16, 1: 203.—**Jumentié, J.** Deux cas d'hémiatrophie linguale associée à d'autres paralysies des nerfs crâniens et rachidiens chez des commotionnés. Montpellier méd., 1917, 39: 1006–9.—**Kolisko.** Granatexplosion. Wien. klin. Wschr., 1917, 30: 1504.—**Laurent, O.** Accidents nerveux produits à distance par les projectiles de guerre. C. rend. Acad. sc., Par., 1914, 158: 1211–3.—**Lowrey, L. G.** An unresolved case of war shock. J. Nerv. Ment. Dis., 1918, 47: 375.—**Lussana, S.** Osservazioni sullo shock emotivo determinato dallo scoppio di granate di grosso calibro. Gior. med. mil., 1918, 66: 141–4.—**Nervous** affections caused by bursting of shells in the patient's vicinity. J. Am. M. Ass., 1915, 65: 2102.—**Roussy, G.** Accidents nerveux produits à distanee par éclatement d'obus. Rev. neur., Par., 1914, 22: 216.—**Ryan, E.** A case of shell shock. Canad. M. Ass. J., 1916, 6: 1095–9. Also Canad. Pract. Rev., 1916, 41: 507–10.—**Shell** shock cases. Circ. M. Sect. Far East Command, 1947, No. 10, 12.—**Tullidge, E. K.** Shock neuroses and psychoses in the present war. Pennsylvania M. J., 1916, 19: 778–82.—**Turner, W. A.** Cases of nervous and mental

shock observed in the base hospitals in France. Brit. M. J., 1915, 1: 833–5. Also J. R. Army M. Corps, 1915, 24: 343–52.—**Wright, H. P.** Suggestions for a further classification of cases of so-called shell shock. Canad. M. Ass. J., 1917, 7: 629–35.

—— Shell shock: Pathogenesis and pathology.

GREAT BRITAIN. WAR OFFICE. Report of the War Office Committee of enquiry into shell shock. 215p. 8° Lond., 1922.

LACROIX, A. E. *Les modifications pupillaires dans le shock nerveux traumatique chez les blessés de guerre. 43p. 8° Bord., 1919.

Auer, E. M. Phenomena resultant upon fatigue and shock of the central nervous system observed at the front in France. Med. Rec., N. Y., 1916, 89: 641–4.—**Baganz, C. N., & Strotz, C. M.** So-called shell shock; types, etiological factors and means for its prevention. Mil. Surgeon, 1941, 88: 282–6.—**Bazzi, T.** Il fattore emozione-choc, nella genesi delle così dette psicosi e nevrosi da guerra; rivista sintetico-critica. Riv. med. aeronaut., 1947, 10: 26–40.—**Beck, O.** Vestibularbefund bei Schrapnellneurose. Mschr. Ohrenh., Wien, 1914, 48: 1302.—**Bonola, F.** La sindrome commozionale da scoppio di projettile. Bull. sc. med. Bologna, 1917, 9. ser., 5: 282–8. Also Gazz. med. lombarda, 1917, 74: 189–92.—**Cambriels.** Gastropathie neuro-végétative, de choc. Arch. méd. pharm. nav., 1930, 120: 570–9.—**Chislett, C. G. A.** Effects of the factors producing shell shock. Canada Lancet, 1920–21, 54: 393–8.—**De Crinis, M.** Humoralpathologische und biochemische Studien zu den Wirkungen von Explosionen auf das menschliche Nervensystem. Arch. Psychiat., Berl., 1918, 59: 988–1013.—**Evans, J. J.** Peripheral lesions of shell concussion. Tr. Ophth. Soc. U. K., 1916, 36: 182–8.—**Extracts** from the Report of the War Office Committee of Enquiry on Shell Shock (1922) In: Neuroses in War (Miller, E.) N. Y., 1940, 211–24.—**Fraser, R. A.** Report of availability of statistics and present status of information as to gassing and shell shock. Abstr. Proc. Ass. Life Insur. M. Dir. America (1919) 1920, 6: 74–82.—**Green, E. M. N.** Blood pressure and surface temperature in 110 cases of shell shock. Lancet, Lond., 1917, 2: 456.—**Guillain, G., & Barré, J. A.** Les troubles sphinctériens transitoires dans les commotions par éclatement de gros projectiles sans plaie extérieure. Bull. Soc. méd. hôp. Paris, 1917, 3. ser., 41: 1114–8.—**Hooker & Weed.** Examination of the brains of shell shocked dogs for intravascular fat. C. rend. Soc. biol., 1918, 81: 897.—**Jones, E.** War shock and Freud's theory of the neuroses. Proc. R. Soc. M., Lond., 1917–18, 11: Sect. Psychiat., 21–36.—**Lacroix.** Les modifications pupillaires dans le shock nerveux traumatique grave chez des blessés de guerre. Bull. Soc. chir. Paris, 1918, 44: 905–7.—**Lépine, J.** La commotion des centres nerveux par explosion (considérations pathogéniques et cliniques) Bull. Acad. méd., Par., 1916, 3. ser., 76: 9–11.—**Léri, A.** Les commotions retardées par explosion d'obus. Presse méd., 1918, 26: 403–5.—**Loeper, M., & Verpy, G.** Le répercussion glandulaire et humorale des commotions. Bull. Soc. méd. hôp. Paris, 1916, 3. ser., 40: 1610–5.—**Mairet, A., & Durante, G.** Contribution à l'étude expérimentale du syndrome commotionnel. Montpellier méd., 1917, 39: 902–15. Also Presse méd., 1917, 25: 478.—**Mairet, A., & Piéron, H.** Le syndrome émotionnel; sa différenciation du syndrome commotionnel. Ann. méd. psychol., Par., 1916–17, 10. ser., 7: 183–206.—**Marinesco, G.** Lésions commotionnelles expérimentales. Rev. neur., Par., 1918, 25: 329–31.—**Mayer, A. G.** On the non-existence of nervous shell-shock in fishes and marine invertebrates. Proc. Nat. Acad. Sc. U. S., 1917, 3: 597.—**Mestrezat, W.** Valeur de l'hyperglycosie du liquide céphalo-rachidien des commotionnés de guerre. C. rend. Soc. biol., 1918, 81: 505–7.—**Mott, F. W.** The Lettsomian lectures on the effects of high explosives upon the central nervous system. Lancet, Lond., 1916, 1: 331; passim. ——— The microscopic examination of the brains of two men dead of commotio cerebri (shell shock) without visible external injury. Brit. M. J., 1917, 2: 612–5, pl. ——— **McDougall, W.** [et al.] Special discussion on shell shock without visible signs of injury. Proc. R. Soc. M., Lond., 1915–16, 9: Psychiat. Neur., I–XLIV.—**Moulinier, R.** Le choc cérébral, sans lésions organiques apparentes, provoqué par les explosions des projectiles modernes. Arch. méd. pharm. nav., 1918, 105: 161–7.—**Muck, O.** Die seelische Ausschaltung des Gehör- und Schmerzsinns bei Mensch und Tier (Granatexplosions-neurose und Kataplexie) als Parallelvorgänge im Licht der Phylogenie betrachtet. Münch. med. Wschr., 1920, 67: 503–6.—**Pern, S.** A plea for adequate recognition of the part that can be played in shell-shock by septic foci. Med. J. Australia, 1918, 2: 115–6.—**Pitres, A., & Marchand, L.** Quelques observations de syndromes commotionnels simulant des affections organiques du système nerveux central (méningite, paralysie générale, lésions cérébelleuses, sclérose en plaques, tabes) Rev. neur., Par., 1916, 23: 298–311.—**Southard, E. E.** The effects of high explosives upon the central nervous system; a review of Mott's Lettsomian Lectures, 1916, and G. Elliot Smith's Shell shock and its lessons. Ment. Hyg., Concord, 1917, 1: 397–405.—**Stevenson, W. F.** Note on the cause of death due to high-explosive shells in unwounded men. Brit. M. J., 1915, 2: 450.—**Thomas, J. L.** Peripheral shock and its central effects. Ibid., 1916, 1: 44.—**Vincent, C.** Contribution à l'étude de l'état de shock primitif chez les blessés de guerre. C. rend. Soc. biol., 1918, 81: 886.—**Weil, M. P.** L'hyperglycorachie des commotionnés de guerre. Ibid., 367–9.—**Wideröe, S.** Ueber die pathologisch-anatomische Grundlage der Granatkontusionen. Arch. Psychiat., Berl., 1918, 59: 110–21.—**Wiltshire, H.** A contribution to the etiology of shell shock. Lancet, Lond., 1916, 1: 1207–12.

—— Shell shock: Sequelae.

See also **War psychosis.**

FENTON, N. Shell shock and its aftermath. 173p. 8° S. Louis, 1926.

Falta, M. Empfindungsstörung bei Labyrintherschütterung nach Granatexplosion. Med. Klin., Berl., 1917, 13: 1296.—**Fenwick, P. C. C.** Entero-spasm following shell shock. Practitioner, Lond., 1917, 98: 391.—**Léri, A.** Un cas d'aphasie motrice (anarthrie et agraphie) suite de commotion pure par éclatement d'obus. Bull. Soc. méd. hôp. Paris, 1917, 3. ser., 41: 1314–7.—**Ruttin, E.** Gleichmässige Herabsetzung der vestibularen Erregbarkeit auf beiden Seiten durch Geschützdonner oder Gesichtsschuss. Mschr. Ohrenh., Wien, 1916, 50: 301.—**Southard, E. E.** Shell shock and after. Boston M. & S. J., 1918, 179: 73–93.

—— Shell shock: Treatment.

SALMON, T. W. The care and treatment of mental diseases and war neuroses (shell-shock) in the British Army. 115p. 4° n. p. 1918.

Bittorf, A. Zur Behandlung der nach Granatexplosionen auftretenden Neurosen. Münch. med. Wschr., 1915, 62: 1029.—**Blechmann, G., Barnsby, H.** [et al.] L'étude de l'etat de shock dans une ambulance de l'avant; déductions thérapeutiques. Paris méd., 1917, 21: 255.—**D., G.** Méthode de guérison des chocs nerveux par action directe sur les centres nerveux d'après la méthode L. S. Stern. Arch. Serv. san. Armée belge, 1946, 99: 30.—**Garton, W.** Electrical treatment of shell-shock. Med. Press & Circ., Lond., 1941, 205: 117–9.—**Méthode** (La) de traitement des psychonévroses dites de torpillage. J. méd. chir., Par., 1916, 87: 820–6.—**Salmon, T. W.** The care and treatment of mental diseases and war neurosis (shell shock) in the British Army. In: Med. Dep. U. S. Army in the World War, Wash., 1929, 10: 497–523.—**Turner, W. A.** Arrangements for the care of cases of nervous and mental shock coming from overseas. Lancet, Lond., 1916, 1: 1073–5.

—— Social aspects.

See also **Neurotic.**

Grinker, R. R. The medical, psychiatric and social problems of war neuroses. Cincinnati J. M., 1945–46, 26: 241–59.—**Harms, E.** Socio-psychiatric aspects of war and post-war neuroses. Dis. Nerv. Syst., 1945, 6: 285–8.—**Henze, A.** Was fangen wir mit den durch den Krieg nervenkrank und Schwachsinnig gewordenen Soldaten an? Zschr. Behandl. Schwachsinn., 1921, 41: 73–7.—**Howland, G. W.** Neuroses in returned soldiers. Canad. Pract., 1917, 42: 97–102.—**Perko, F.** Die Kriegsschäden des Nervensystems und deren sozialpolitische Bedeutung. Wien. klin. Wschr., 1917, 30: 803.—**Sutter, J., Stern, H., & Susini, R.** Evolution du problème des psychonévroses de guerre. Ann. méd. psychol., Par., 1947, 105: pt 2, 249–70.—**Tscherning, R.** Soziale Betrachtungen auf Grund katamnestischer Erhebungen bei Kriegsneurosen. Münch. med. Wschr., 1920, 67: 1376–80.

—— Surgery.

See also **Neurosurgery.**

Buck, A. E. Battle neurosis treated with leucotomy. Brit. M. J., 1947, 2: 1053.—**Gilsenan, B. C., & Winnicott, D. W.** Battle neurosis treated with leucotomy. Ibid., 973.—**Saaler, B.** Battle neurosis treated with leucotomy. Ibid., 1009.—**Sargant, W., & Stewart, C. M.** Chronic battle neurosis treated with leucotomy. Ibid., 866–9.

—— traumatic.

See also **Injury,** Psychological aspect.

BAUMGART, R. *Friedenserfahrungen über Unfallneurosen; ein Beitrag zur Beurteilung der Kriegsneurosen. 52p. 8° Rostock, 1918.

CONFERENCE ON TRAUMATIC WAR NEUROSES IN MERCHANT SEAMEN; the Medical Program of the War Shipping Administration (RMO) and United Seamen's Service, Inc. Proceedings. 163p. 25½cm. N. Y., 1943.

DÖRKEN, O. *Ein Beitrag zu dem Kapitel: Traumatische Kriegs-Neurosen und Psychosen. 31p. 8° Kiel, 1916.

GERMANY. REICHSARBEITSMINISTERIUM. Die Unfall- (Kriegs-) Neurose. 144p. 8° Berl., 1929.

KARDINER, A. The traumatic neuroses of war. 258p. 26cm. Wash., 1941.

OSIPOV, V. P. Травматический психоневроз и психоневротравматизм. p.33–94. 25½cm. Moskva, 1946.
Vocn. med. sborn., 1946, 3:

PUUSEPP, L. Traumatische Kriegsneurose. p.11–65. 23½cm. Tartu, 1923.
Fol. neuropath. eston., 1923, 1:

Adler, A. Post-traumatic neuroses in war and peace. Individ. Psychol. Bull., 1944–45, 4: 75–8.—**Barré, A.** Diagnostic, traitement et expertise des séquelles mentales des blessures de guerre et des accidents du travail. Sem. Hôp. Paris, 1932, 8: 227; 266; 292.—**Benon, R.** Blessures de guerre et psycho-névropathies. Rev. chir., Par., 1931, 69: 713–41.—**Blain, D., & Heath, R. G.** The nature and treatment of traumatic war neuroses in merchant seamen. Internat. J. Psychoanal., Lond., 1944, 25: 142–6.—**Boinet.** Syndromes commotionnels. Marseille méd., 1921, 58: 212–32.—**Buchenholz, B., & Frank, R.** The concept of the self in acute traumatic neurosis of war. J. Nerv. Ment. Dis., 1948, 107: 55–61.—**Bunnemann.** Zur traumatischen Neurose im Kriege. Neur. Zbl., 1915, 34: 888–98.—**Ferrari, G. C.** Documenti di guerra. Riv. psicol., 1915, 11: 390–9.—**Forster.** Der Krieg und die traumatischen Neurosen. Mschr. Psychiat., 1915, 37: 72–6.—**Gonda, V.** Rasche Heilung der Symptome der im Kriege entstandenen traumatischen Neurose. Wien. klin. Wschr., 1916, 29: 950.—**Hauptmann, A.** Kriegs-Neurosen und traumatische Neurose. Mschr. Psychiat., 1916, Orig., 39: 20–31.—**Heath, R. G., & Sherman, S. H.** The use of drugs in the treatment of traumatic war neuroses. Am. J. Psychiat., 1944–45, 101: 355–60.—**Hoch, P. H.** Psychopathology of the traumatic war neuroses. Ibid., 1943–44, 100: 124–6.—**Iessen, H.** [Traumatic reflex sequelae; a chapter in war neurology] Bibl. laeger, 1918, 110: 531.—**Jakovlev, G. B.** Postojannaja kloničeskaja sudoroga myšcy na počve travmatičeskago nevroza. Voen. med. J., S. Peterb., 1911, 232: Med. spec. pt, 490–7.—**Kameneva, E. N.** [On the initial states in traumatic war neurosis] In: Probl. nevrast. (Rosenstein, L. M.) Moskva, 1935, 102–24.—**Mairet, A., Piéron, H., & Bouzanski.** De l'existence d'un syndrome commotionnel, dans les traumatismes de guerre. Bull. Acad. méd., Par., 1915, 3. ser., 73: 654–61.—**Mann.** Die traumatischen Neurosen, ihre Entstehungsweise und klinischen Formen bei Kriegsverletzten. Deut. med. Wschr., 1916, 42: 1563.—**Marburg, O.** Zur Frage der Beurteilung traumatischer Neurosen im Kriege. Wien. klin. Wschr., 1916, 29: 281–3.—**Marcus.** Die Beratungsstelle in der Fürsorge für die Kriegsverletzungen. Mschr. Unfallh., 1917, 24: 1–10.—**Marie, P., & Athanasio-Bénisty.** Troubles nerveux purement fonctionnels consécutifs à des blessures de guerre. Rev. neur., Par., 1914, 22: 424.—**Marie, P., & Meige, H.** Appareils pour blessés nerveux. Bull. Acad. méd., Par., 1915, 3. ser., 74: 166–79.—**Meyer.** Funktionelle Nervenstörungen bei Kriegsteilnehmern nebst Bemerkungen zur traumatischen Neurose. Med. Klin. Berl., 1916, 12: 26.—**Miller, J. S., & Gair, M.** A traumatic neurosis of World War I 23 years after, psychiatric and Rorschach investigations. J. Nerv. Ment. Dis., 1943, 97: 436–46.—**Milligan, W., & Westmacott, F. H.** Warfare injuries and neuroses. J. Lar. Otol., Lond., 1915, 30: 297–303, 3 pl.—**Moreau, M.** La question des névroses traumatiques et des névroses de guerre dans son état actuel. J. belge neur. psychiat., 1941–42, 41: 97; 223; 1943, 43: 16. Also Ann. méd, psychol., Par., 1942, 100: pt 2, 419–24.—**Mustafa, A.** [War wounds and psychoneuropathy] Askerî sıhhiye mecmuası, 1933, 62: 186–7.—**Nägeli.** Zur Frage der traumatischen und Kriegs-Neurosen in besonderer Berücksichtigung der Oppenheimschen Auffassungen. Neur. Zbl., 1916, 35: 482–95.—**Nonne, M.** Soll man wieder traumatische Neurose bei Kriegsverletzten diagnostizieren? Med. Klin., Berl., 1915, 11: 849; 948. ——— Traumatische Neurose als Folgeerscheinung von Kriegsbeschädigungen. Psychiat. neur. Wschr., 1915–16, 17: 191.—**Oppenheim, H.** Der Krieg und die traumatischen Neurosen. Berl. klin. Wschr., 1915, 52: 257–61. ——— Bemerkung zu dem Aufsatze Nonnes: Soll man wieder traumatische Neurose bei Kriegsverletzungen diagnostizieren? Med. Klin., Berl., 1915, 11: 920. ——— Neurosen nach Kriegsverletzungen. Aerztl. Rdsch., 1916, 26: 353–7. Also Deut. med. Wschr., 1916, 42: 337.—**Radó, S.** Pathodynamics and treatment of traumatic war neurosis, traumatophobia. Psychosomat. M., 1942, 4: 362–8.—**Roussy, G.** Troubles nerveux psychiques de guerre (à propos d'un récent article du Grasset) Presse méd., 1915, 23: 141.—**Roxo, H.** Das psicóses e neuróses nos feridos de guerra. Impr. méd., Rio, 1943, 18: No. 354, 83–5.—**Saaler, B.** Ueber nervöse und psychische Krankheiten in ihren Beziehungen zum Kriegsdienst. Berl. klin. Wschr., 1916, 53: 1389.—**Scholtze, G.** Die Unfall-(Kriegs-) Neurose. Aerztl. Mschr., 1929, 188–91. Also Mschr. Unfallh., 1929, 36: 261–4.—**Seelert, H.** Ueber Neurosen nach Unfällen mit besonderer Berücksichtigung von Erfahrungen im Kriege. Mschr. Psychiat., 1916, Orig., 38: 328–40.—**Selinski, H.** Traumatic neurosis of war. J. Indiana M. Ass., 1946, 39: 170.—**Sztanojevits, L.** Neurologisches während des Feldzuges. Med. Klin., Berl., 1915, 11: 1155.—**Troshin, G. J.** [Traumatic neurosis according to the data of the present war] Sovrem. psikhiat., 1916, 10: 65; passim.—**Uchôa, D. de M.** Readaptação dos sinistrados de guerra pela psicoterapia. Impr. méd., Rio, 1945–46, 21: No. 382, 65–9.—**Urbantschitsch, E.** Rasche Heilung der Symptome der im Kriege entstandenen traumatischen Neurose. Wien. klin. Wschr., 1916, 29: 1051.—**Verdelet, L.** Un cas de léslon nerveuse traumatique. Caducée, Par., 1916, 16: 118.—**Verger, H.** La notion de consolidation dans les névroses traumatiques des sinistrés du travail et des blessés de guerre. Progr. méd., Par., 1916, 3. ser., 31: 118–22.—**War** neuroses. J. Am. M. Ass., 1917, 68: 647.

—— Treatment.

See also **Neurosurgery.**

GOLDBERG, E. *Die ambulante Behandlung der Kriegsneurotiker in Ambulantenstationen für Nervenkranke [Breslau] 17p. 8° Lpz., 1919.

HEINZE, R. *Ueber die Behandlung und Beurteilung der Kriegsneurosen [Breslau] 14p. 8° Berl., 1917.

MARAMALDI, L. Come rimettere in forza i soldati depressi dalle fatiche della guerra. 8p. 8° Nap., 1916.

Baumm, H. Zur Frage der Anstaltsbehandlung der sogenannten Kriegsneurotiker. Neur. Zbl., 1920, 39: 628.—**Bowlby, J., & Soddy, K.** Treatment of war neuroses. Lancet, Lond., 1940, 2: 343.—**Bramwell, E.** The treatment of war-time neuroses in combatants. Practitioner, Lond., 1940, 145: 124–31.—**Burns, C.** Treatment of war neurosis. Lancet, Lond., 1941, 1: 293.—**Cossa, P., Auguin, P., & Chipponi, P.** Traitements anglosaxons des névroses de guerre. Presse méd., 1946, 54: 394.—**Couston, A. G.** War neuroses and the general medical practitioner. N. Zealand M. J., 1942, 41: 6–13.—**Culpin, M.** Treatment of war neuroses. Lancet, Lond., 1940, 2: 403.—**Debenham, G., Sargant, W.** [et al.] Ibid., 1941, 1: 107–9.—**Deibel, A. W.** Nursing care of war neurosis cases. Hosp. Corps Q., 1944, 17: No. 2, 26–32.—**Dillon, F.** Treatment of war neurosis. Lancet, Lond., 1941, 1: 161; 331.—**Fetterman, J. L.** The treatment attitude toward neuroses during the war. In his Mind of Injured Man, Chic., 1943, 209.—**Grasset.** Le traitement des psychonévroses de guerre. Presse méd., 1915, 23: 425.—**Greenson, R. R.** Practical approach to the war neuroses. Bull. Menninger Clin., 1945, 9: 192–205.—**Grinker, R. R.** Treatment of war neuroses. J. Am. M. Ass., 1944, 126: 142–5.—**Grundsätze** für die Behandlung und Beurteilung der sogenannten Kriegsneurotiker. Deut. mil. ärztl. Zschr., 1918, 47: 433–46.—**Heinze, R.** Ueber die Behandlung und Beurteilung der Kriegsneurosen. Ther. Mhefte, 1918, 32: 192–204.—**Hoch, P. H.** Therapeutic and psychosomatic aspects of war neuroses. Arch. Neur. Psychiat., Chic., 1944, 52: 243. ——— Some psychosomatic and therapeutic aspects of war neuroses. Bull. N. York Acad. M., 1944, 20: 333–47. Also J. Nerv. Ment. Dis., 1944, 99: 967.—**Hoche.** Die Versorgung der funktionellen Kriegsneurosen. Münch. med. Wschr., 1916, 63: 1782.—**Howard, E.** Treatment and resettlement of war psycho-neurosis. Health & Social Welf., Lond., 1945–46, 144–7.—**Kalmus.** Die aktive Behandlung der Kriegsneurosen. Deut. med. Wschr., 1917, 43: 766.—**Knight, R. P.** The treatment of the psychoneuroses of war. Bull. Menninger Clin., 1943, 7: 148–55. Also J. Kansas M. Soc., 1943, 44: 257–60.—**Krisch.** Die Behandlung der Kriegsneurosen. Deut. med. Wschr., 1917, 43: 1463.—**Löwenstein, S.** Ueber Kriegsneurosen. Ther. Mhefte, 1918, 32: 165–70.—**Longo, P. W.** Tratamento das psiconeuroses de guerra. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 95–106.—**Lumsden, T.** Treatment of war neuroses. Brit. M. J., 1917, 2: 707. Also Lancet, Lond., 1918, 2: 370.—**McKinney, J. M., & Hughes, J. M. F.** Treatment of combat fatigue. Tr. Am. Neur. Ass., 1946, 71: 18–20.—**Mann, L.** Neue Methoden und Gesichtspunkte zur Behandlung der Kriegsneurosen. Berl., klin. Wschr., 1916, 53: 1333–8; Disc., 1917, 54: 45. Also Med. Klin., Berl., 1916, 12: 1270.—**Middlemiss, J. E.** The treatment of war psychoneuroses. Brit. M. J., 1918, 2: 700.—**Minski, L.** War neuroses. Mod. Treat. Yearb., 1945, 187–95.—**Neustatter, W. L.** The war neuroses. In his Early Treat. Nerv. Ment. Disord., Lond., 1940, 352–67.—**Neutra, W.** Einige Bemerkungen über die Beurteilung und Behandlung der Kriegsneurosen. Wien. klin. Wschr., 1916, 29: 1253.—**Rimbaud, L.** Le traitement des psychonévroses de guerre et des troubles nerveux dits réflexes. Marseille méd., 1916–17, 53: 817–29.—**Runge.** Ueber die Behandlung der Kriegsneurosen [Diskussion] Münch. med. Wschr., 1918, 65: 1200.—**Schlayer.** Die Versorgung der funktionellen Kriegsneurosen. Ibid., 1917, 64: 39.—**Schütz.** Die Kriegsneurosen und ihre Behandlung. Deut. med. Wschr., 1917, 43: 622–4.—**Slater, E.** Treatment of war neurosis. Lancet, Lond., 1941, 1: 228.—**Spranger, C. H.** Zur aktiven Behandlung der Kriegsneurosen. Deut. med. Wschr., 1917, 43: 1327.—**Tousey, T. G.** Reconditioning of transitorily maladjusted soldiers. Med. Clin. N. America, 1945, 29: 751–9.—**Treatment** (The) of war neuroses. Med. Press & Circ., Lond., 1941, 205: 125.—**Weber.** Zur Behandlung der Kriegsneurosen. Münch. med. Wschr., 1917, 64: 1234.—**Weichbrodt.** Einige Bemerkungen zur Behandlung von Kriegsneurotikern. Mschr. Psychiat., 1918, Orig., 43: 265–9.—**Wespi, H.** Funktionelle nervöse Störungen im Kriegsdienst und deren Behandlung. Vjschr. schweiz. Sanitätsoff., 1949, 26: 177–84.—**Wilson, H. L., & Dicks, H. V.** War strain; its manifestations and treatment.

Brit. M. J., 1940, 2: 756.—**Wollenberg, R.** Wesen und Behandlung der Kriegsneurosen. Med. Klin., Berl., 1916, 13: 1355–8. Also Deut. med. Wschr., 1917, 43: 63.

—— Treatment: Balneo-, creno-, and climatotherapy.

Alt, K. Ueber die Kur- und Bäderfürsorge für nervenkranke Krieger mit besonderer Berücksichtigung der sogenannten Kriegsneurotiker. Wien. med. Wschr., 1918, 68: 844.—**Finn, N.** War strain and spa therapy. S. Afr. M. J., 1941, 15: 483–5. Also Brit. J. Phys. M., 1942, 5: 120–3.—**Strauch.** Zur Neurosebehandlung unserer Kriegsbeschädigten im Kurort. Deut. Militärarzt, 1936, 1: 284–9.—**Teicher, J. D.** Environment; an adjunct in treatment of combat fatigue. Am. J. Psychiat., 1945–46, 102: 460–5.

—— Treatment: Drugs and medicaments.

Boshes, B. War neuroses; a study in sedation. Med. Bull. Medit. Theater U. S., 1945, 3: 2–5.—**Brousseau, A., & Laffon, L.** Troubles graves du caractère déterminés par des émotions de guerre; guérison rapide par le cardiazol. Ann. méd. psychol., Par., 1941, 99: pt 2, 281–6.—**Grinker, R. R., & Spivey, R. J.** Ergotamine tartrate in the treatment of war neuroses. J. Am. M. Ass., 1945, 127: 158.—**Heath, R. G., & Powdermaker, F.** The use of ergotamine tartrate as a remedy for battle reaction. Ibid., 1944, 125: 111–3.—**Lemkau, P. V., & Sampliner, R. B.** Ergotamine tartrate in treatment of combat exhaustion. Arch. Neur. Psychiat., Chic., 1948, 60: 61–9.—**McGregor, J. S., & Sandison, R. A.** Modified insulin therapy in war neuroses. Lancet, Lond., 1941, 2: 293.—**Solomon, P.** The use of plasma in the treatment of combat fatigue. U. S. Nav. M. Bull., 1948, 48: 226–8.—**Sutter, J., & Susini, R.** La subnarcose au pentothal dans les psychonévroses de guerre récentes. Algérie méd., 1946, 297–305.—**Witwer, R. G.** Homeopathic treatment of war neuroses. Homeop. Bull., Calc., 1947–48, 20: 2–6. Also J. Am. Inst. Homeop., 1947, 40: 77.

—— Treatment, field.

Ball, T. L. Casualty conditioning station. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 28, 17–21.—**Bowman, K. M.** Psychoneuroses of war; care of ill and injured after evacuation from combat zones. Northwest M., 1943, 42: 154–8.—**Dillon, F.** Treatment of neuroses in the field; the advanced psychiatric centre. In: Neuroses in War (Miller, E.) N. Y., 1940, 119–27. —**Embden.** Die Behandlung der Kriegsneurotiker im Operationsgebiet. Med. Klin., Berl., 1918, 14: 896. ——— Ueber Neurosenbehandlung im Operationsgebiet. Münch. med. Wschr., 1918, 65: 278.—**Owen, J. W., Tillman, C. G. D., & Brunner, R. A.** Treatment of combat fatigue in a forward-area hospital. U. S. Nav. M. Bull., 1945, 45: 611–20.—**Wadsworth, G. L., Lacy, T., & Pomeranz, A. A.** Reconditioning program for combat neurosis in forward combat zones. Mil. Surgeon, 1946, 98: 146–55.—**Weygandt, W.** Versorgung der Neurosen und Psychosen im Felde. Med. Klin. Berl., 1914, 10: 1503–5.

—— Treatment: Occupational and physical therapy.

Cameron, K. Occupation therapy for war neuroses. Lancet, Lond., 1940, 2: 659.—**Craigie, H. B.** Physical treatment of acute war neurosis. Brit. M. J., 1942, 2: 675.—**Debenham, G. R.** Psychotherapy and occupation therapy in war neuroses. Med. Press & Circ., Lond., 1941, 205: 143–5.—**Farrar, C. B.** War neuroses and psychoses. Canad. J. Occup. Ther., 1940, 7: 5–16.—**Sargant, W.** Some physical treatments of war neuroses. Med. Press & Circ., Lond., 1941, 205: 145–8. ——— Physical treatment of acute war neuroses. Brit. M. J., 1942, 2: 574–6.—**Schwab, S. I.** The experiment in occupational therapy at Base Hospital 117, A. E. F. Ment. Hyg., Concord, 1919, 3: 580–93, 3 pl.—**Tratamiento** físico de las neurosis de guerra agudas. Día méd., B. Air., 1943, 15: 938.—**Wagener.** Arbeitstherapie und Rentenabschätzung bei Kriegsneurotikern. Allg. Zschr. Psychiat., 1918, 74: 176.—**Wollenberg, R.** Weitere Erfahrungen mit der Heilbeschäftigung nervenkranker Soldaten. Deut. med. Wschr., 1916, 42: 6.

—— Treatment: Psychotherapy.

See also **Narcoanalysis; Narcosynthesis.**

WATKINS, J. G. Hypnotherapy of war neuroses; a clinical psychologist's casebook. 384p. 23½cm. N. Y., 1949.

Alpert, H. S., Carbone, H. A., & Brooks, J. T. Hypnosis as a therapeutic technique in the war neuroses. Bull. U. S. Army M. Dep., 1946, 5: 315–24.—**Blair, D.** Group psychotherapy for war neuroses. Lancet, Lond., 1943, 1: 204.—**Fairbairn, W. R. D.** The repression and the return of bad objects, with special reference to the war neuroses. Brit. J. M. Psychol., 1941–43, 19: 327–41.—**Fisher, C.** Hypnosis in treatment of neuroses due to war and to other causes. Pub. Inst. Neur. Northwest. Univ., 1943, 15: No. 12, 1–12. Also War Med., Chic., 1943, 4: 565–76. Also in Mod. Hypnosis (Kuhn, L.) N. Y., 1947, 143–69.—**Grinker, R. R.** Brief psychotherapy in war neuroses. Proc. Brief Psychother. Counc., 1944, 2. Counc., 1: 6–19. ——— **& Spiegel, J. P.** Brief psychotherapy in war neuroses. Psychosomat. M., 1944, 6: 123–31.—**Hadfield, J. A.** Treatment by suggestion and hypno-analysis. In: Neuroses in War (Miller, E.) N. Y., 1940, 128–49.—**Katka.** Hypnosebehandlung der Kriegsneurotiker. Med. Klin., Berl., 1918, 14: 896.—**Kaufman, M. R., & Beaton, L. E.** A psychiatric treatment program in combat. Bull. Menninger Clin., 1947, 11: 1–14.—**Lange.** Zehn Kriegeneurotiker mit Hypnose behandelt. Berl. klin. Wschr., 1918, 55: 960.—**Lowson, J. P.** The treatment of war neuroses by abreaction of the war shock. Med. J. Australia, 1926, 2: 621–6.—**Muñiz Angulo, L.** Un caso de sensación de irrealidad curado por el psicoanálisis. Rev. san. mil., Habana, 1943, 7: 88–97.—**Nalappa, J. S.** War-neurosis and psychotheraphy. Ind. M. J., 1946, 40: 106–8.—**Neutra, W.** Ueber die Behandlung von Kriegsneurosen mit Suggestion unter Hypnose. Wien. klin. Wschr., 1919, 32: 856.—**Paster, S.** Group psychotherapy for combat neuroses. Am. J. Orthopsychiat., 1945, 15: 472–82.—**Pearson, M. M.** Group therapy of combat fatigue. Arch. Neur. Psychiat., Chic., 1946, 55: 553.—**Reiter, P. J.** Quelques cas de névroses de guerre, traités par psychothérapie combinée. Acta psychiat. neur., Kbh., 1947, Suppl. 47, 653–67.—**Schwartz, L. A.** Group psychotherapy in the war neuroses. Am. J. Psychiat., 1944–45, 101: 498–500.—**Staudacher, C.** Heilung eines Falles von Kriegsneurose. Internat. Zschr. Psychoanal., Wien, 1928, 14: 91–7.—**Stolzenburg.** Ueber die Anwendung der Hypnose bei Kriegsneurose. Berl. klin. Wschr., 1918, 55: 990. Also Med. Klin. Berl., 1918, 14: 750.—**Wright, M. B.** Technique of other psychotherapeutic methods. In: Neuroses in War (Miller, E.) N. Y., 1940, 150–62.

—— Treatment: Results.

See also subheading (Prognosis)

Fraenkel, M. Schlusswort zu den mit der Kriegsneurotikerbehandlung gemachten Erfahrungen. Med. Klin., Berl., 1921, 17: 1322.—**Kasanin, J. S., Windholz, E., & Rhode, C.** Criteria of therapy of war neuroses. Am. J. Psychiat., 1947–48, 104: 259–66.—**Piltz, J.** Ein Beitrag zum Studium der sogenannten Kriegsneurosen und deren Behandlung auf Grund eigener Erfahrungen. Neur. Zbl., 1918, 37: 650; passim.—**Richter, A.** Die Erfahrungen über Behandlung der Kriegsneurosen, angewendet auf die Unfallsneurosen des Friedens. Wien. med. Wschr., 1918, 68: 597–600.—**Weiler, K.** Ein Jahr Kriegsneurotikerbehandlung im I. Bayer. AK. Münch med. Wschr., 1919, 66: 401–7.—**Wittgenstein.** Schnellheilung schwerer Kriegsneurosen. Zschr. Bahnärzte, 1917, 12: 1–8.

—— Treatment: Shock therapy.

Bertin, M. K. Insulin therapy in combat exhaustion. Am. J. Nurs., 1945, 45: 1040.—**Boshes, B.** Battle neurosis; electric shock treatment of refractory cases in the theater of operations. Med. Bull. North Afr. Theater U. S., 1944, 1: No. 4, 17–23. Also Rev. méd. cir. Brasil, 1944, 52: 719–29.—**Dojć, J.** Uspjesno liječenje funkcionalnih smetnja visokofrekventnom (teslinom) strujom. Voj. san. pregl., Beogr., 1948, 5: 108–12.—**Longo, P.** Tratamento psycho-galvanico dos psychonevroticos de guerra, sinistrosados, pithiaticos. São Paulo méd., 1937, 10: pt 2, 259–81.—**Sutter.** L'électro-choc et l'abréaction dans le traitement des psycho-névroses de guerre. Rev. Corps san. mil., Par., 1945, 1: 116–20.

—— Tremor.

Abreu, F. de, & Alencastro, L. F. de. Diagnóstico de um tremor. Rev. med. mil., Rio, 1940, 29: 332–6.—**Brazier, M. A. B.** Tremors of combat neuroses; comparison with tremors of paralysis agitans, delirium tremens and the psychoneuroses of civilian life; electromyographic studies. Arch. Neur. Psychiat., Chic., 1945, 54: 175–80.—**Edwards, A. S.** Finger tremor and battle sounds. J. Abnorm. Psychol., 1948, 43: 396–9.—**Hurst, A. F.** Hysterical tremor. In his Med. Dis. War, 3. ed., Lond., 1943, 56–8.—**Silverman, J. J.** Study of tremor in soldiers. Arch. Int. M., 1948, 82: 175–83.

—— Types.

See also other subheadings.

Dix, S. War neurosis eventuating in delusions. U. S. Veterans Bur. M. Bull., 1929, 5: 760–4.—**Ferenczi, S.** [Preliminary communication on a few types of war neurosis] Gyógyászat, 1916, 56: 124; 160; 210.—**Fernández Gallego, L.** Causalgias de guerra. Rev. españ. med. cir. guerra, 1939, 3: 287–98.—**Gerstmann, J.** Zur Frage der Pathogenese, der Klassifizierung und der Behandlung der Neurosen nach Kriegsschädigungen. Wien. med. Wschr., 1919, 69: 931–8.—**Grinker R. R.** War neuroses or battle fatigue? J. Nerv. Ment. Dis., 1945, 101: 442–4.—**Gundry, C. H.** Classification and reallocation of exhaustion casualties in a theatre of war. Am. J. Psychiat., 1945–46, 102: 822–4.—**Hurst, A. F.** Classification of war neurosis. Guy's Hosp. Gaz., Lond., 1917, 31: 109.—**Karnosh, L. J.** The neuroses of war. Cleveland Clin. Q., 1944, 11: 38–43.—**Milian, D.** Battle hypnosis. Med. Press & Circ., Lond., 1915, n. ser., 100: 486–8.—**Oppenheim.** Neurosen nach Kriegsschädigungen. Münch. med. Wschr., 1916, 63: 1594.

WAR of Independence.

See under **Wars and campaigns.**

WAR of nerves.

See under **Psychological warfare.**

WAR Participation Committee.

See under **Preparedness,** medical: Committees.

WAR psychosis.

See also **Neuropsychiatric casualty; Neurosis; Psychosis; War neurosis.**

STIEFLER, G. Ueber Psychosen und Neurosen im Kriege [319p.] 8° Lpz., 1917.
Jahrb. Psychiat. Neur., 1917, **37**:–**39**:

VALLEJO NÁGERA, A. Psicosis de guerra; estudio clínico y estadístico. 87p. 23cm. Madr., 1942.

WEILER, K. Nervöse und seelische Störungen bei Teilnehmern am Weltkriege, ihre ärztliche und rechtliche Beurteilung. 1. Teil. Nervöse und seelische Störungen psychogener und funktioneller Art. 222p. 8° Lpz., 1933.
Forms H. 22 of Arbeit und Gesundheit (Martineck)

—— [The same] ... 2. Teil. Geisteskrankheiten und organische Nervenstörungen. 313p. 8° Lpz., 1935.
Forms H. 25, 2. Teil, of Arbeit & Gesundheit (Martineck)

Baonville, H., & Titeca, J. Psychoses de guerre. Rev. Centre neuropsych., Brux., 1940, **5**: 36–47.—**Campbell, A. W.** Remarks on some neuroses and psychoses in war. Med. J. Australia, 1916, **1**: 319–23.—**Colin, H.** Les séquelles psychiques de la guerre. Bull. Soc. clin. méd. ment., Par., 1921, **9**: 4–13.—**Consiglio, P.** Nevrosi e psicosi in guerra. Gior. med. mil., 1915, **63**: 665–703. ——— Le psicosi, le nevrosi e la delinquenza militare in guerra. Atti Congr. internaz. med. farm. mil., 1923, 2. Congr., **2**: 270–2.—**Contreras, R.** El problema que entraña, para el médico militar, la psicosis de guerra. Rev. méd. mil., Méx., 1938, **1**: 103–5.—**Ey, H., & Cornavin, J.** Evénements de guerre et psychose. Méd. & hyg., Genève, 1947, **5**: No. 90, 10.—**Frey, T. S.** [On the so-called war-psychoses and neuroses] Nord. med., 1939, **4**: 3140–6.—**Fribourg-Blanc, A.** Les psychoses de guerre. Rev. méd. fr., 1930, **11**: 743–52. Also German transl., Med. Welt, 1931, **5**: 109–12.—**Giannelli, A.** Le malattie mentali e nervose in guerra. Riv. osp., 1915, **5**: 322–31.—**Guzmán Velasco, L.** La psicosis de guerra. Rev. mil., La Paz, 1943, **7**: 423.—**Matulay, K.** (Abnormal mental reactions with special regard to the military cases) Voj. zdrav. listy, 1935, **11**: 21–32.—**Miller, E.** Classification of psychological disorders in war. In his Neuroses in War, N. Y., 1940, 229.—**Mott, F. W.** War psychoses and psychoneuroses. J. Ment. Sc., Lond., 1918, **64**: 230–8.—**Nouvilas, P. A.** Las psicosis en la guerra. Rev. san. mil., Madr., 1934, **24**: 80; 101; 140.—**Oliveira Filho, O.** Psicoses de guerra. Rev. méd. mil., Rio, 1941, **30**: 260–8.—**Pacheco e Silva, A. C.** Psicologia coletiva; a guerra e a psiquiatria; psicoses de guerra; profilaxia mental em tempo de guerra. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 293–302.—**Paster, S.** Psychotic reactions among soldiers of World War II. J. Nerv. Ment. Dis., 1948, **108**: 54–66.—**Pernambuco Filho, P.** Psicoses de guerra. Cult. méd., Rio, 1943–44, **5**: 275–85.—**Pfersdorff, C.** Les psychoses provoquées par la guerre. Strasbourg méd., 1938, **98**: 459–63.—**Pires, N.** Psicoses de guerra. Rev. paul. med., 1944, **24**: 9–22.—**Prout, C. T.** Psychiatric reactions to the war as seen in civilians and soldiers referred to a mental disease hospital. Arch. Neur. Psychiat., Chic., 1943, **50**: 370–3. Also J. Nerv. Ment. Dis., 1943, **97**: 698; 1944, **99**: 389.—**Reese, H. H.** Psychiatric disorders. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 101–5.—**Sekine, S., & Kobayasi, H.** Senzi seisinbyō no kenkyū [Studies of the wartime psychoses] Sogo igaku, 1949, **6**: 536–9.—**Sorger, E.** Kriegspsychosen; Weltkrieg. Klin. Wschr., 1940, **19**: 332. Also Med. Klin., Berl., 1940, **36**: 421. Also Münch. med. Wschr., 1940, **87**: 413. Also Wien. klin. Wschr., 1940, **53**: 551.—**Tancredi, F.** Psicoses hêtero-e auto-tóxicas durante a guerra. Impr. méd., Rio, 1945–46, **21**: No. 380, 48–52.—**Vallejo Nágera, A.** La reacción psicógena de guerra. In his Locura & guerra, Vallad., 1939, 113–28.—**Van der Horst, L.** [War psychoses] Ned. tschr. geneesk., 1940, **84**: 4777–84.

—— Battle casualty.

See also **Neuropsychiatric casualty.**

Benon, R. Blessures de guerre; hypomanie; psychose maniaco-asthénique. Ann. méd. lég., 1923, **3**: 501–3.—**Betzendahl, W.** Ueber symptomatische Psychosen bei Kriegsverwundungen. Nervenarzt, 1943, **16**: 191–208.—**Cumston, C. G.** Mental disturbances following shock from explosives. N. York M. J., 1918, **107**: 172.—**Eager, R.** War psychoses occurring in cases with a definite history of shell shock. Brit. M. J., 1918, **1**: 422–5.

—— civilian.

See also **War,** Psychopathology.

LEMAIRE, D. C. P. *Les troubles mentaux transitoires de la guerre des nerfs. 34p. 24cm. Par., 1939.

ROUBILLE, C. E. J. B. *Psychoses de guerre chez les civils, mai–juin 1940 [Strasbourg] 61p. 24cm. Clermont-Ferrand, 1941.

Alliez, J., Pellissier & Diatkine. Remarques sur les psychoses apparues dans les populations civiles du Var à l'occasion du débarquement allié du 15 août 1944. Marseille méd., 1945, **82**: 537–41.—**Baudoux, R.** Psychoses de guerre. J. belge neur. psychiat., 1943–45, **43**: 399.—**Beaudouin, H.** Evénements de guerre et troubles mentaux. Ann. méd. psychol., Par., 1939, **97**: pt 2, 618–21.—**Braarvig, A.** Sinnslidelser og krigssituasjonen. Nord. med., 1942, **14**: 1243–6.—**Cathcart, J. P. S.** Mental illness and war. Nat. Health Rev., Ottawa, 1940, **8**: 149–51.—**Coleman, S. M.** The relation of psychiatry to the war. Med. Press & Circ., Lond., 1942, **208**: 332–6.—**Flurian.** Psychose collective de guerre. Gaz. sc. méd. Bordeaux, 1933, **54**: 509.—**Hall, R. W.** Mental collapse in wartime. Sc. Month., 1942, **54**: 81.—**Harris, A.** Psychiatric reactions of civilians in war-time. Lancet, Lond., 1941, **2**: 152–5.—**Hartenberg, P.** Les troubles mentaux et nerveux provoqués par la guerre. Concours méd., 1940, **62**: 155.—**Hemphill, R. E.** The importance of the first year of war in mental disease. Bristol Med. Chir. J., 1941, **58**: 11–8.—**Laignel-Lavastine.** Psychoses réactionnelles du début de la guerre des nerfs. Arch. internat. neur., Par., 1942, **61**: 47; 1945–46, **64**:–**65**: 82.—**Maclay, W. S., & Guttmann, E.** The war as an aetiological factor in psychiatric conditions. Brit. M. J., 1940, **2**: 381–3.—**Mills, H.** Psychological problems of war-time; psychoses and neuroses. Nurs. Times, Lond., 1940, **36**: 336.—**Minski, L.** Mental disorders associated with the recent (Munich) crisis. Brit. M. J., 1939, **1**: 163.—**Tarumianz, M. A.** War and postwar psychoses. Delaware M. J., 1942, **14**: 77–81.

—— Combat psychosis.

See also subheading (Battle casualty)

Boches, B., & Erickson, C. O. Pseudopsychotic and psychotic states arising in combat. Bull. U. S. Army M. Dep., 1949, **9**: Suppl., 151–62.—**Grinker, R. R.** Psychiatric disorders in combat crews overseas and in returnees. Med. Clin. N. America, 1945, **29**: 729–39.—**Newell, T. E.** Management of psychiatric patients in the combat area. Psychiat. Q., 1946, **20**: 275–96.—**Rosen, H., Myers, H. J.** [et al.] The psychopathology of psychotic-like reactions in the combat soldier. Ibid., 138–49.—**Vallejo Nágera, A.** Psicosis de trincheras. In his Locura & guerra, Vallad., 1939, 132–9.—**Yahn, M.** Psicoses endogenas desencadeadas nas linhas de frente. Impr. méd., Rio, 1945–46, **21**: No. 380, 84–8.

—— Compensation.

Benedek, L. A háborús elme- és idegbajokról a rokkantellátás szempontjából. Népegészségügy, 1943, **24**: 342–8.—**Meyer, E.** Kriegsdienstbeschädigung bei Psychosen und Neurosen. Deut. med. Wschr., 1917, **43**: 573.—**Stier, E.** Rentenversorgung bei nervösen und psychisch erkrankten Feldzugsteilnehmern. In: Hdb. ärztl. Erfahr. Weltkriege, 1922–34, **4**: 168–93.

—— Confusion.

Dumas, G., & Delmas. Les confusions mentales d'origine commotionnelle chez les blessés. Arch. méd. pharm. mil., 1917, **67**: 69–77.—**Laignel-Lavastine & Ballet, V.** Maniérisme puéril post-confusionnel; présentation de malade. Ann. méd. psychol., Par., 1916–17, 10. ser., **7**: 232–40.—**Rodiet & Blanc, F.** Confusion mentale et obusite. Gaz. hôp., 1926, **99**: 1093–6.—**Wetzel.** Das Zustandsbild der frischen Shockpsychosen im Felde. Berl. klin. Wschr., 1917, **54**: 469. Also Münch. med. Wschr., 1917, **64**: 847.

—— Delirious states.

Capgras, J., & Bessière, R. Délire d'interprétation consécutif à une commotion par explosion de torpille. Rev. neur., Par., 1918, **25**: 121–6.—**Courbon, P., & Eissen, I.** La récurrence délirante et l'imputabilité au service militaire des invalidités de guerre. Bull. Soc. clin. méd. ment., Par., 1921, **9**: 323–6.—**D'Hollander, F.** La folie Ajax; essai médico-épique. Bull. Acad. méd. Belgique, 1941, 6. sér., **6**: 278–87.—**Laignel-Lavastine, Bouvet, M., & Asuad, J.** Un idéaliste passionné de l'évolution sociale, en face de la guerre. Ann. méd. psychol., Par., 1940, **98**: pt 1. 63–7.

—— Dementia, schizophrenic.

Oliveira Bastos, F. de. Esquizofrenia e guerra; síndromes esquizofrénicas entre os combatentes; tratamentos modernos. In: Psiquiat. guerra (Fac. med. S. Paulo) 1943, 141–8.—**Schellworth, W.** Kriegsdienstbeschädigung und Schizophrenie. Ärztzl. Sachverst. Ztg, 1936, **42**: 101–5.—**Schmidt, W.** Schizophrenie. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 208–15.

—— Etiology.

Brown, W. T., & Moore, M. Soldiers who break down in battle; some predisposing factors. Mil. Surgeon, 1944, **94:** 160. ——— Soldiers who break down; the family background and the past history. Ibid., 162.—**Rayneau.** Quelques considérations sur les psychoses de guerre et l'alcoolisme. Ann. méd. psychol., Par., 1940, **98:** pt 2, 291.—**Rennie, T. A. C., & Woodward, L. E.** The psychiatric disabilities of war; dynamics and motivation. In their Ment. Health, N. Y., 1948, 68–93.

—— Forensic aspect.

See also subheading (Compensation)

Consiglio, P. Delle psicosi e delle nevrosi e specialmente della criminalità in guerra. Ann. med. nav., Roma, 1915, **2:** 408–17.—**González Deleito, F.** Notas de psiquiatría militar; psicosis y presuntos delitos y faltas. Rev. españ. med. cir., 1930, **13:** 484–9.—**Meyer.** Kriegsdienstbeschädigung bei Psychosen und Neurosen. Berl. klin. Wschr., 1917, **54:** 398 (Abstr.)—**Ravkine, J. G.** [Criminal reactions in war-wounded] J. nevropat. psikhiat., Moskva, 1926, **19:** 53–64.—**Schmidt, W.** Reaktive Zustände. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 194–6.

—— Manic depressive form.

Linn, L., & Tureen, L. L. Intensive electro-convulsive therapy of the acute excited states. Med. Bull. North Afr. Theater U. S., 1944, **2:** 80.—**Schmidt, W.** Manisch-depressives Irresein, progressive Paralyse. In his Forens. psychiat. Erfahr. im Kriege, Berl., 1918, 215.—**Shulack, N. R.** Exhaustion syndrome in excited psychotic patients. Am. J. Psychiat., 1945–46, **102:** 466–75.—**Warson, S. R.** The management of acute excitements. Mil. Surgeon, 1942, **91:** 58–61.

—— Paranoid.

See also **Psychosis,** Paranoia.

Evplova, N. I. [Paranoid reactions of wartime] Nevropat. psikhiat., 1943, **12:** No. 5, 52.

—— Pathogenesis.

Ehrström, M. C. Pallido-striatic symptoms in war psychosis. Acts med. scand., 1944, **119:** 521–39.—**Hacquard & Valdenaire.** Psychoses réactionnelles. Presse méd., 1943, **51:** 282 (Abstr.)—**Henderson, D. K.** War psychoses; an analysis of 202 cases of mental disorder occurring in home troops. J. Ment. Sc., Lond., 1918, **64:** 165–89. ——— War psychoses; the infective exhaustive group. Glasgow M. J., 1921, **96:** 321–36.—**Mandell, S.** The persistence of the individual life pattern in war psychoses. Individ. Psychol. Bull., 1944–45, **4:** 9–19.—**Nelken, J.** Psychozy reaktywne na wojnie. Lek. wojsk., 1921, **2:** 941–50. ——— Psychozy reaktywne w oświetleniu wojny światowej i służby wojskowej. Rocz. psychiat., 1934, **23:** 72–90.—**Perelman, A. A.** Reaktivnye sostojanija voennogo vremeni. In: Tezisy dodlad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 8.—**Powdermaker, F.** Review of cases at Merchant Marine rest centers. Am. J. Psychiat., 1944–45, **101:** 650–4.—**Ronchevsky, S. P.** [Correlation of affective and exogenous factors in the structure of certain war psychoses] Nevropat. psikhiat., 1944, **13:** No. 3, 10–4.—**Williams, J. N.** Analysis of psychiatric patients transferred to the United States from an overseas base. In: Phys. & Psychobiol. Standards (U. S. Navy Bur. M. & S.) Wash., 1949, 112–4.

—— traumatic.

Chistovich, A. S. O pozdnikh posleranevykh psikhozakh. In: Sborn, nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 338–44.—**Goldstein, K.** The significance of the mental disturbances in rehabilitation of soldiers with brain injury. Tr. Am. Neur. Ass., 1944, **70:** 22–4.—**Voronova, M. N.** Nekotorye osobennosti psikhićeskikh zabolevanij v svjazi s travmoj i infekciej. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 145–51.

—— Treatment.

Baonville, H., & Titeca, J. Les psychoses de guerre et leur traitement par l'insuline. J. belge neur. psychiat., 1941–42, **41–42:** 76–82.—**Beccle, H. C.** The nature and treatment of some war psychoses. Med. Press & Circ., Lond., 1942, **208:** 136–9.—**Malkin, P. F.** Klinika i terapija zatjaźnykh psikhićeskikh zabolevanij, voznikśikh v dejstvujuśćej armii. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 137–44.—**Orr, D. W.** Psychiatric uses of sodium pentothal; experiences in a forward area. U. S. Nav. M. Bull., 1949, **49:** 508–16.—**Rome, H. P.** The role of sedation in military medicine. Ibid., 1944, **42:** 525–34.—**Roxo, E.** As psicoses de reação na guerra e seu tratamento. Hora med., Rio, 1943, No. 60, 37 (Abstr.)—**Sargant, W.** Physical treatments of acute psychiatric states in war. War Med., Chic., 1943, **4:** 577–81.—**Sodium** amytal in the management of depressed and negativistic patients. Bull. U. S. Army M. Dep., 1944, No. 81, 5.—**Teitelbaum, H. A., Hoekstra, C. S.** [et al.] The treatment of psychiatric disorders due to combat by means of a group therapy program and insulin in sub-shock doses. J. Nerv. Ment. Dis., 1946, **104:** 123–43.—**Vigouroux.** Psychose de guerre et sédobrol. Concours méd., 1940, **62:** 128.

—— Veterans.

Hinckley, R. G. Psychiatric experience with Army students and veterans in college. Proc. Am. Student Health Ass., 1946, **24:** 55–61.—**Rennie, T. A. C., & Woodward, L. E.** Psychiatric residuals of the war. In their Ment. Health, N. Y., 1948, 141–52.

WAR reconstruction.

Fishbein, M. American medicine's contribution to postwar medical service. Fed. Bull., Chic., 1943, **29:** 171–82.—**Holmes, J., & Bayliss, A. D. E.** Post-war planning and winning the war. Brit. M. J., 1942, **1:** 539.—**Itogi** konferencii po izućeniju mediko-sanitarnykh posledstvij vojny. Vest. Akad. med. nauk SSSR, 1946, No. 4, 16.—**Konferencii** (O III.) po izucheniju mediko-sanitarnykh posledstvij vojny. Ibid., 1947, No. 6, 32.—**McCutcheon, A.** Social work in war rehabilitation; narrative report on relief and medical social work in El Oro Province, 1942–43. Appl. Anthrop., 1943–44, **3:** No. 4, 19–27.—**Parran, T.** Public health in the reconstruction period. Hosp. Progr., 1943, **24:** 365–7.—**Pether, G. C.** Post-war planning and winning the war. Brit. M. J., 1942, **2:** 499.—**Semashko, N. A.** Izućenie sanitarnykh posledstvij vojny. Tr. Akad. med. nauk SSSR, Moskva, 1947, **2:** 128–35.—**Snezhko, D., Sharovnikov, A.** [et al.] Sanitarno-epidemiologićeskie stancii posle vojny. Med. rabot., 1946, **9:** No. 2, 3.—**Swain, R. L.** The post-war coresponsibilities of the public health professions. Am. J. Pharm. Educ., 1943, **7:** 314–25.—**Thomas, E. W. C.** Some post-war problems. Med. Off., Lond., 1942, **68:** 165.—**Vitoux, G.** Le Congrés interallié d'hygiène sociale pour la reconstitution des régions dévastées par la guerre. Presse méd., 1919, **27:** (annexe) 353; 412; 460.—**Watson-Jones, R.** Post-war planning and winning the war. Brit. M. J., 1942, **1:** 478.

WAR relief.

See also **Occupied area; Red Cross; Relief; United Nations Relief and Rehabilitation Administration.**

American National Red Cross. ARC [circular] 314: Foreign war relief; September 1, 1939–December 31, 1942. 32p. 22cm. Wash., 1943.

Curtis, N., & Gilbey, C. Malnutrition; Quaker work in Austria, 1919–24 and Spain, 1936–39. 87p. 17cm. Lond., 1944.

Cummins, S. L. Foreign Relief and rehabilitation operations, North Africa. J. R. Army M. Corps, 1943, **80:** 323–6.—**European** (For) relief and reconstruction. Nurs. Times, Lond., 1943, **39:** 67.—**Mackenzie, M. D.** Medical relief in Europe; questions for immediate study. Bull. War M., Lond., 1942–43, **3:** 356 (Abstr.)

WARS and campaigns.

See also **Casualty,** Comparative statistics; **History; Medical history; Unit,** History; **World War I; World War II.**

Semeka, S., Gladstein, S. [et al.] Russko-tureckie vojny. p.1187–267. pl. 26½cm. Moskva, 1946–48.

In: Encikl. slovar voen. med., Moskva, 1946–48, **4:**

Shaw, R. Mars takes steps; a tabulation of important events in military history since Marathon. Mil. Engin., 1943, **35:** 240–5.—**Verhältnis** der Zahl der Gefallenen und an Wunden Gestorbenen zu der Zahl der an Krankheiten Gestorbenen. Militärsanität, Zür., 1942, **24:** 109.

—— Antiquity.

Elliott, J. Medical service with the Roman legions. N. Zealand M. J., 1949, **48:** 585–90.—**Hermont, J.** Les Césars, initiateurs de la médecine militaire romaine. Vie et bonté, 1949, No. 6, 12; passim.—**Hume, E. E.** The military sanitation of Moses in the light of modern knowledge. Mil. Surgeon, 1936, **78:** 39–52.—**M., G.** Medicina militare antica. Minerva med., Tor., 1942, **33:** pt 2, Varia, 350–6.—**Montserrat, S.** El servicio sanitario en los ejércitos de la antigua Roma. Rev. españ. med. cir. guerra, 1942, Año 5, 445–76.—**Oder, E.** Winterlicher Alpenübergang eines römischen Heeres nach der Schilderung eines griechischen Veterinärs. Vet. hist. Jahrb., 1925, 48–50.—**Trenkler, R.** [Matters of military sanitation among ancient Romans] Bratisl. lek. listy, 1927, **6:** 508–20.

—— 102–106: Trajan's conquest of Dacia.

Casarini, A. Traiano e la medicina militare di Roma imperiale. Rass. clin. ter., 1937, **36:** Suppl., 9–25.—**Igna, N.** Un post de ajutor pentru răniţi în expediţia lui Traian contra Dacilor. Rev. san. mil., Bucur., 1935, **34:** 492–5, illust.

—— 167–180: Marcomannian wars of Marcus Aurelius.

Colnat, A. La peste Antonine. In his Epidém. & hist., Par., 1937, 22–5.

—— 167–180: Pannonian War.

See preceding heading.

—— 1096–1291: Crusades.

Cartellieri, A. Machtpolitik vor den Kreuzzügen. Forsch. & Fortsch., 1935, **11**: 166.—**Colnat, A.** Les Croisades. In his Epidém. & hist., Par., 1937, 38–43.—**Crusader** medicine; war surgery's zenith, medicine's nadir. Pharm. Advance, 1938–41, **13**: No. 148, 24–8.

—— 1337–1453: Hundred Years' War.

Colnat, A. La Guerre de cent ans. In his Epidém. & hist., Par., 1937, 59–69, illust.

—— 1346: Battle of Crécy.

Manyon, L. An examination of the historical reliability of Froissart's account of the campaign and battle of Crécy. Papers Michigan Acad. Sc. (1926) 1927, **7**: 207–24.

—— 1492–1524: American Conquest.

Montserrat Figueras, S. La medicina en la conquista de Méjico. Med. & cir. guerra, 1949, **11**: 363–77.—**Pezzi, G.** Ricerche storico-mediche intorno ai viaggi di Colombo. Ann. med. nav., Roma, 1945, **50**: 587–629, pl.

—— 16. century.

Colnat, A. La rivalité entre la France et l'Espagne au XVI^e siècle. In his Epidém. & hist., Par., 1937, 85–98, illust.—**Fosseyeux.** Les soins aux blessés de guerre en France, 15.–16. siècles. Bull. Soc. fr. hist. méd., 1941, **35**: 18–30.—**Stewart, D.** Disposal of the sick and wounded of the English army during the 16. century. J. R. Army M. Corps, 1948, **90**: 30–8. ——— The causes of disease in the sixteenth century Army. Ibid., 1949, **92**: 35–41. ——— The incapacitated soldier in the 16. century. Ibid., **93**: 204–11.

—— 16. century: Metz.

Dorveaux, P. Le baume vert de Metz. Bull. Soc. hist. pharm., Par., 1926, 307–14.

—— 17. century.

Colnat, A. La fin de l'hégémonie espagnole. In his Epidém. & hist., Par., 1937, 99–103, illust.

—— 1618–1648: Thirty Years' War.

Colnat A. La Guerre de trente ans. In his Epidém. & hist., Par., 1937, 109–20, illust.—**Franz, G.** Die bevölkerungsgeschichtlichen Folgen des 30jährigen Krieges. Deut. med. Wschr., 1941, **67**: 409.—**Roesle, E.** Die Wirkung des 30jährigen Krieges auf die Entwicklung einer ländlichen Bevolkerung. Arch. soziale Hyg., 1932, n. F. **7**: 209–14.

—— 1640–1755: Portugal War of Restoration.

Gião, M. Notas sôbre o serviço de saúde militar na Guerra da restauração. Bol. Dir. serv. saúde mil., 1940, **3**: 103; 1941, **4**: 307. Also Impr. méd., Lisb., 1940, **6**: 336; 357; 374.—**Hospital** (Un) de sangre en la batalla del Puente de San Miguel; guerra de restauración de Portugal, siglo XVII [Illustration] Med. & cir. guerra, 1946, **8**: No. 17, 12.

—— 1642–1660: English Civil War and interregnum.

Kempthorne, G. A. Some notes on the medical service of the Restoration Army. J. R. Army M. Corps, 1939, **72**: 340–6. ——— Notes on the medical services during the Civil War and the interregnum, 1642–60. Ibid., 1940, **75**: 192–202.

—— 1676–1681: Russo-Turkish War.

Semeka, S. Russko-tureckaja vojna 1676–81gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1187–91.

—— 1683: Siege of Wien.

Probszt, G. Sanitäre Verhältnisse in Wien vor und während der Türkenbelagerung 1683. Wien. med. Wschr., 1933, **83**: 823–6.

—— 1686: Siege of Buda.

Héjja, P. Antica igiene militare italiana all'assedio di Buda. Gior. Soc. ital. igiene, 1936, **58**: 177–84. ——— [Water supply during the siege of Buda] Orv. hetil., 1936, **80**: 859–61. Also German transl., Wien. med. Wschr. 1938, **88**: 761–3.

—— 1689–1696: War of the League.

See next heading.

—— 1690: Battle of Beachy Head [Béveziers]

Hamy, E. T. Les blessés de Béveziers; notice pour servir à l'histoire des débuts de la médecine navale de France. Bull. Soc. fr. hist. méd., 1902, **1**: 37–52. Also Arch. méd. pharm. nav., 1907, **88**: 377–88.

—— 1695–1696: Azov Campaign.

Jakovlev, G., & Jurjev, S. Azovskie pokhody Petra I. v 1695 i 1696gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 81–8.

—— 18. century.

Zarkhi, I. B. Medicinskie rukopisi načala 18. veka. Voen. med. J., Moskva, 1947, No. 9, 34–8.

—— 18. century: Guiana.

Duchesne, V. J. A. *La lutte contre les épidémies dans les Campagnes de Guyenne au XVIII^e siècle, sous l'ancien régime. 54p. 25½cm. Bord., 1936.

—— 1700–1721: Northern War of Russia.

Jakovlev, G. Severnaja vojna, 1700–21gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 13–8.

—— 1712: Villmerger War.

Sigerist, H. E. Aus einem Lazarett im zweiten Villmergerkrieg 1712; die Schrift des Johann Kupfferschmid De morbis praeliantium, Basel 1715. Korbl. Schweiz. Aerzte, 1918, **48**: 1000–7.

—— 1722–1723: Russo-Persian War.

Jakovlev, G. Persidskaja vojna 1722–23gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 481.

—— 1735–1739: Russo-Turkish War.

Gladstein, S. Russko-tureckaja vojna 1735–39gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1191–203, pl.—**Semeka, S.** Voennaja medicina vo vtoroj četverti 18. v.; Russko-tureckaja vojna 1736–39gg. Ibid., **3**: 756–65.

—— 1739–1741: Jenkins' Ear incident.

Viets, H. R. Smollett, the War of Jenkins's ear, and An account of the expedition to Carthagena, 1743. Bull. M. Libr. Ass., 1939–40, **28**: 178–81.

—— 1741: Cartagena Expedition.

See preceding heading.

—— 1742–1748: Flanders.

Kempthorne, G. A. The medical services in Flanders, 1742–48. J. R. Army M. Corps, 1938, **71**: 55–62.

—— 1745: Battle of Fontenoy.

Des Cilleuls, J. M. Le service de santé à la bataille de Fontenoy (11 mai 1745) Rev. Serv. san. mil., Par., 1937, **107**: 853–73.

—— 1756–1763: Seven Years' War.

Ulrich, K. *Die Wundbehandlung im Siebenjährigen Kriege [Berlin] 20p. 23½cm. Charlottenb., 1936.

Netolitzky, F. R. Minderers Kriegsarznei-Büchlein für den Dreissigjährigen Krieg. Hippokrates, Stuttg., 1936, **7**: 55; 80.—**Rückert, O. E.** Bericht aus Unna i. W. über die Pflege eines verwundeten französischen Kriegsgefangenen im Siebenjährigen Kriege (1759) Sudhoffs Arch., 1938, **31**: 313–6.—**Semeka, S.** Semiletnjaja vojna 1756–62gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 765; **5**: 28.

—— 1768–1774: Russo-Turkish War.

Jurjev, S. Russko-tureckaja vojna 1768–74gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1203–25.—**Semeka, S.** Voennaja medicina v Rossii vo vtoroj polovine 18. v.; Russko-tureckaja vojna 1769–74gg. Ibid., **3**: 771–80.

—— 1775: Retreat of Argel.

Los cirujanos militares Queralto y Puig en la retirada de Argel, durante la expedición del conde O'Reilly, 1775 [Illustration] Med. & cir. guerra, 1946, **8**: No. 17, 12.

—— 1775–1783: War of American Independence [American Revolutionary War]

ROWLEY, W. Medical advice, for the use of the Army and Navy, in the present American expedition. 47p. 8° Lond., 1776.

Army surgeons during the American Revolution. Pharm. Advance, 1935–36, **11**: No. 127, 13–8, 5 portr.—**Ashburn, P. M.** American Army Hospitals of the Revolution and the War of 1812. Bull. Johns Hopkins Hosp., 1930, **46**: 47–60.—**Benjamin** Logan saving Harrison from being scalped, May 1777; lithograph by G. W. Fasel, 1851. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 61.—**Coues, W. P.** Washington's campaign against smallpox in the Continental Army. N. England J. M., 1930, **202**: 1254.—**Gibson, J. E.** Captured medical men and army hospitals of the American revolution. Ann. M. Hist., 1938, n. ser., **10**: 382–9.—**Gorssline, R. M.** Medical notes on Burgoyne's Campaigns, 1776–77. Nova Scotia M. Bull., 1929, 8: 386–92.—**Middleton, W. S.** Medicine at Valley Forge. Ann. M. Hist., 1941, 3. ser., **3**: 461–86.—**Nadeau, G.** A German military surgeon in Rutland, Massachusetts, during the Revolution, Julius Friedrich Wasmus. Bull. Hist. M., 1945, **18**: 243–300.—**Revolutionary** war hospital reconstructed. J. Am. M. Ass., 1936, **107**: 1898.—**Riddell, W. R.** The American doctor in revolutionary times. Med. J. & Rec., 1933, **138**: 429.—**Roddis, L. H.** A partial list of medical men in the maritime service of the colonies during the American revolution. Mil. Surgeon, 1936, **79**: 357. —— Medical men who were signers of the Declaration of Independence of the United States. Ibid., 1947, **101**: 62–5.—**Stevenson, I.** The medical departments of the Army and Navy during the War of Independence. Ciba Sympos., 1940–41, **2**: 498–528.—**Thursfield, H.** Smallpox in the American War of Independence. Ann. M. Hist., 1940, 3. ser., **2**: 312–8.—**West, R. M.** Nursing during the American Revolution. In her Hist. Nurs. Pennsylvania, 1939, 8–10.

—— 1787–1791: Russo-Turkish War.

Koganicky, A. Russko-tureckaja vojna 1787–91gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1225–32.

—— 1788–1790: Russo-Swedish War.

Jurjev, S. Russko-švedskaja vojna 1788–90gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1267.

—— 1789–1799: French Revolution.

BRIOT, P. F. Histoire de l'état et des progrés de la chirurgie militaire en France pendant les guerres de la révolution. 430p. 8° Besançon, 1817.

Chevalier, A. G. Aerzte der Französischen Revolution. Ciba Zschr., Basel, 1937–38, **5**: 2058–87. —— Aerzte und Sanitätswesen bei den Revolutionsarmeen. Ibid., 2069–73. Also English transl., Ciba Sympos., 1945–46, **7**: 250–4. —— The physicians in the revolutionary assemblies. Ibid., 239–49.—**Dujardin, L.** Le praticien et la Révolution. Chron. méd., Asnières, 1939, **46**: 137–41.—**Fourmestraux, J. de.** Les médecins aux armées de la République, 4 août 1789–10 novembre 1799. Progr. méd., Par., 1939, 751–6.—**Hérissay, J.** Un traitement par correspondance sous la Terreur. Bull. Soc. fr. hist. méd., 1937, **31**: 136–44.—**Medicus** [pseudonym] Famous physicians of the French Revolution. Australas. J. Pharm., 940, **21**: 527.—**Schweisheimer, W.** Famous physicians of the Erench Revolution. Ibid. 1948, **29**: 519.—**Semeka, S.** Vlijanie francuzskoj burźuaznoj revoljucii na razvitie voennoj mediciny. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 780–2.

—— 1792: Invasion of Braunschweig.

Colnat, A. L'invasion de Brunswick. In his Epidém. & hist., Par., 1937, 121–8, illust.

—— 1792–1793: Palatinate Campaign.

See also preceding heading.

Triaire, P. La campagne du Palatinat (1792–93) d'après le journal inédit de D. Larrey. Gaz. méd. centre, Tours, 1905, **10**: 27; passim.

—— 1792–1797: Italian Campaign.

LOGEAIS, M. P. L. *Contribution à l'histoire de la pharmacie militaire pendant la Campagne d'Italie, 1792–97 [Nancy; Pharm.] 127p. 24cm. Par., 1937.

Houdard, L. Le Service de santé à l'Armée d'Italie, sous le commandement de Bonaparte. Rev. Serv. san. mil., Par., 1939, **110**: 799–841.

—— 1793–1795: Pyrénées-Orientales.

Rouffiandis. Les rapports de la Société populaire de Perpignan avec le service de santé de l'Armée des Pyrénées-Orientales (1793–94–95) Bull. Soc. fr. hist. méd., 1936, **30**: 37–48.

—— 1793–1796: Insurrection of Vendée.

HARAND, R. *Les services pharmaceutiques pendant la Campagne de Vendée [Strasbourg; Pharm.] 131p. 24cm. Par., 1943.

MÉNAGER, V. M. *Essai sur l'histoire médicale de la Vendée militaire (1793–96) 41p. 8° Par., 1937.

Colnat, A. Nantes. In his Epidém. & hist., Par., 1937, 128–35, illust.—**Mercier, R.** Silhouettes d'officiers de santé républicains des corps de troupe dans la guerre de Vendée. Progr. méd., Par., 1939, pt 1, Suppl., 1; 17.

—— 1798–1799: Egyptian Campaign.

Bayon, H. P. Napoleon's Egyptian expedition; brilliant military victories and ultimate disaster through disease. West London M. J., 1943, **48**: 33–45.—**Colnat, A.** La campagne d'Egypte. In his Epidém. & hist., Par., 1937, 135–44, illust.—**Coudray, F. E. C.** Notes épidémiologiques du passé; la peste à l'armée d'Orient de la Ire République. Arch. méd. pharm. mil., 1926, **85**: 389–403.—**Houdard, L.** Le service de santé à l'armée d'Egypte sous le commandement de Kléber. Rev. Serv. san. mil., Par., 1937, **106**: 897–916. —— Sous le commandement de Menou. Ibid., **107**: 91–116.—**Notes** intimes de Desgenettes sur la campagne d'Egypte. Rev. mod. méd. chir., 1906, **4**: 264; passim.—**Ossédat, M.** Les pharmaciens pendant l'expédition d'Egypte. Tr. Soc. hist. pharm., Par. (1942) 1943, 76–80.

—— 1799: Suvorov's Expedition.

Aleksandrovsky, B. P. Zabota Suvorova o zdorovje soldata. Voen. med. J., Moskva, 1945, No. 7, 71.—**Ivashov, N. N., & Geizer, I. M.** Zabota Suvorova o zdorovje soldat. Ibid., 1946, 47–50.—**Maslinkovsky, T.** Suvorovskie pokhody 1799g. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 352–5.

—— 1800–1815: Napoleonic wars.

LARREY, D. J. Surgical memoirs of the campaigns of Russia, Germany, and France. 293p. 8° Phila., 1832.

NOACK, W. *Kriegschirurgie und Wundbehandlung in der Zeit der Napoleonischen Feldzüge [Berlin] 23p. 23cm. Charlottenb., 1939.

Bourges, H. Journal de route d'un médecin des armées de Napoléon (1803–10) Bull. Soc. fr. hist. méd., 1936, **30**: 293–302.—**Brunet, P.** Le service pharmaceutique de la Grande armée pendant les campagnes de 1805 à 1809 en Autriche, en Allemagne et en Pologne [Bk Rev.] Tr. Soc. hist. pharm., Par., 1941, 87.—**Chevalier, A. G.** Los problemas de sanidad en los ejércitos de Napoleón. Actas Ciba, B. Air., 1941, 127–34, illust. Also Actas Ciba, Rio, 1941, **8**: 236–43, 3 portr. Also Ciba Sympos., 1941–42, **3**: 974–80, 3 portr.—**Colnat, A.** La guerre d'Espagne. In his Epidém. & hist., Par., 1937,146–51.—**Godart, J.** Quelques notes inédites du baron Larrey. Bull. Acad. méd., Par., 1940, 3. ser., **123**: 115–22.—**Hochstetter.** Feldärztliche und kriegschirurgische Erfahrungen aus den napoleonischen Feldzügen. Deut. med. Wschr., 1929, **66**: 773; 801.—**Hygienic** conditions in Army camp during Napoleonic war; flea hunt, after lithograph by Traviès [Illust.] Clin. Excerpts, N. Y., 1943, **17**: 168.—**Secques, F.** La pharmacie de la Légion de la Garde républicaine. Rev. hist. pharm., Par., 1930, **18**: 139–44.—**Stoppani, F.** La chirurgia di guerra nei concetti d'un chirurgo al seguito delle armate napoleoniche. Minerva chir., Tor., 1946, **1**: 101.—**Zembrzuski, L.** Służba zdrowia w wojsku Polskiem w epoce Napoleońskiej. Lek. wojsk., 1921, **2**: 587–91.

—— 1801: San Domingo.

Colnat, A. Saint-Domingue. In his Epidém. & hist., Par., 1937, 144–6.

—— 1805–1814: Russo-Austro-Prusso-French War (Wars of the Coalition)

Maslinkovsky, T. Russoko-avstro-prussko-francuzskie vojny. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1178–87.

—— 1806–1812: Russo-Turkish War.

Jakovlev, G. Russko-tureckaja vojna 1806–12gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1232–9.

—— 1808–1809: War of Russia and Denmark with Sweden.

SAMUELSSON, G. Lantvärnets sjukdomar; medicin-historisk studie rörande sjukvården och epidemierna under kriget 1808–09. p.133–205. 22½cm. Lund, 1944.

Forms No. 4, Tskr. mil. hälsov., 1944, **69**:

—— 1808–1814: Peninsular war.

Gião, M. R. Notas sobre os hospitais militares de Coimbra durante a Guerra Peninsular. J. méd., Pôrto, 1948, **11**: 264–73. ——— Notas sobre o Hospital Militar da Figueira da Foz durante a Guerra Peninsular. Ibid., 297. ——— & **Stirling, A. D.** British surgeons in the Portuguese Army during the Peninsular War. J. R. Army M. Corps, 1934, **62**: 298–303.

—— 1810–1816: Argentine War of Independence.

Ramírez Juárez, E. Tres figuras prestigiosas de la sanidad militar en las guerras de la Independencia y del Paraguay; Doctores Manuel Antonio Casal, Joaquín Díaz de Bedoya y Caupolicán Molina. Rev. mil., B. Air., 1944, **44**: pt 2, 745–66.

—— 1812: Franco-Russian War.

Vinogradov, A. K. Le gant perdu; Stendhal à Moscou, d'après des documents inédits. p. 273–345. 24cm. Par., 1933.

Hippocrate, Par., 1933, **1**:

Burdach, K. F. Krieg; der 1812 ausbrechende Krieg. In his Blicke ins Leben, Lpz., 1848, **4**: 265–75.—**Colnat, A.** La campagne de Russie. In his Epidém. & hist., Par., 1937, 152–61, illust.—**Kolosov, G. A.** Vzgljady na humannyja trebovanija vojny i ikh vypolnenie vo vremja vojn 1912–14gg. Russ. vrach, 1913, **12**: 512; passim.—**Korneev, V. M.** Voenno-medicinskoe delo v Otećestvennuju vojnu 1812 goda. Voen. med. J., Moskva, 1947, No. 10, 42–8.—**Maslinkovsky, T.** Otećestvennaja vojna 1812g. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 151–75. ——— Otećestvennaja vojna 1812g., medicinskoe obespećenie vojsk po położenijam i rasporjaženijam. Ibid., 161–3. ——— Evakuacija ranenykh. Ibid., 167–72.—**Rozova, K. A.** [Medical-sanitary service in the war of 1812] Feldsher, Moskva, 1942, No. 2, 51–5.—**Schweisheimer, W.** Why did Napoleon's Grand Army perish in Russia? disease and destiny. Med. Rec., N. Y., 1942, **155**: 182–4. Also Australas. J. Pharm., 1942, **23**: 185.—**Semeka, S.** Voennaja medicina v Rossii v pervoi četverti 19. v.; Otećestvennaja vojna 1812g. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 782–801.

—— 1812: Franco-Russian War—Battle of Borodino.

Haberling, W. Die Verwundetenfürsorge in der Schlacht bei Borodino; ein Beitrag zur Geschichte der Sanitätstaktik. In: Schjerning Festschr., Berl., 1913, 79–95.—**Keen, W. W.** Reminiscence of the battle of Borodino, 1812. Mil. Surgeon, 1923, **52**: 97.

—— 1812–1815: Anglo-American War.

Anderson, F. J. Medical practices in Detroit during the War of 1812. Bull. Hist. M., 1944, **16**: 261–75.—**Defeat** of the British Army under the command of Sir Edward Packenham, January 8, 1815; detail from aquatint by Louis-Philibert Debucourt. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 111.—**Duncan, L. C.** The medical service in the War of 1812; the pneumonia epidemic of 1812–13. Mil. Surgeon, 1933, **72**: 48–56.—**McBarron, H. C.,** jr. American military dress in the war of 1812; regular infantry. J. Am. Mil. Inst., 1940, **4**: 185–96. ——— American military dress in the war of 1812; regular riflemen. Mil. Affairs, 1941, **5**: 138–44.—**McGinnis, H. J.** The part that Buffalo, New York, played in the War of 1812. Mil. Surgeon, 1940, **86**: 393–5.—**St James** Church at York, built in 1807; used by the troops as a convalescent hospital during War of 1812 [Illustration] Hist. Bull., Calgary, 1944–45, **9**: opp. p. 14.—**Siege** (The) of Fort Meigs, April 28–May 9, 1813; figurative map by William Sebree. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 102.—**Wynn, G.** The case book of Dr Amos A. Evans, surgeon on the frigate Constitution in the War of 1812. Ann. M. Hist., 1940, 3. ser., **2**: 70–8.

—— 1812–1815: Anglo-American War—Battle of Lake Erie (1812)

Duncan, L. C. The medical service in the War of 1812; the battle of Lake Erie. Mil. Surgeon, 1933, **72**: 241–6.

—— 1812–1815: Anglo-American War—Battle of Little York (1813)

Phalen, J. M. Medical service at Battle of Little York; April 27, 1813. Mil. Surgeon, 1941, **88**: 307–9.

—— 1825–1828: Argentine-Brazilian War.

Ruiz Moreno, A., Risolia, V. A., & D'Onofrio, R. La sanidad militar en la guerra del Brasil. p. 95–153. 24cm. B. Air., 1948.

In: Pub. Inst. hist. med. Univ. B. Aires, 1948, **12**: Pt 2.

—— 1828–1829: Russo-Turkish War.

Semeka, S. Russko-tureckaja vojna 1828–29gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1239–48.

—— 1830–1847: Algerian Conquest.

Claudeville, P. *Les chirurgiens de l'Armée d'Afrique (1830–50) 50p. 8° Par., 1934.

Girault, L. *Contribution à l'étude du rôle du Service santé militaire; Conquête de l'Algérie 1830–47. 106p. 8° Par., 1937.

Bonnette, P. Mort due sergent Blandan et amputation du chirurgien sous-aide Ducros. Aesculape, Par., 1913, **3**: 266–8. ——— Chirurgie de guerre; blessures de l'abdomen; acte de foi chirurgical de Baudens, 1836, le Larrey d'Afrique. Progr. méd., Par., 1939, pt 2, 1379.—**Laignel-Lavastine & Girault, L.** Rôle du Service de santé militaire dans la conquête de l'Algérie, 1830–47. Bull. Soc. fr. hist. méd., 1939, **33**: 196–202.

—— 1845–1848: Mexican War.

McSherry, R. El puchero; or, A mixed dish from Mexico, embracing General Scott's campaign, with sketches of military life, in field and camp, of the character of the country, manners and ways of the people, etc. 247p. 19½cm. Phila., 1850.

Duncan, L. C. A medical history of General Zachary Taylor's Army of occupation in Texas and Mexico, 1845–47. Army M. Bull., 1939, **50**: 27–60.

—— 1847: Sonderbund War [Switzerland]

Gloor-Meyer, W. Zürichs freiwillige Sanitätshilfe im Sonderbundskrieg. Militärsanität, Zür., 1948, **30**: 1–5.

—— 1848–1849: Hungarian Battle for Independence [Hungarian Revolutionary War]

Zétény, G. A magyar szabadságharc honvédorvosai. 235p. 8° Budap., 1948.

Curti, M. The impact of the revolutions of 1848 on American thought. Proc. Am. Philos. Soc., 1949, **93**: 209–15.

—— 1848–1849: Italian Revolution in Lombardy [Austro-Italian War]

Mostardini, G. E egli vero che l'ottalmia manifestatasi in questi ultimi tempi nelle Truppe Austro-Toscane fosse realmente la egiziana come asserisce il D. Heinrich? Gazz. toscana sc. med. fis., 1850, **8**: 241.

—— 1853–1875: Turkestan Campaign.

Akodus, J. Turkestanskie pokhody. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 611–8.

—— 1854–1857: Crimean War.

Hiller, E. *Die Sanitätsverhältnisse im Krimkrieg 1854–56 [Berlin] 21p. 20½cm. Ludwigsb., 1939.

Sutherland, J. Reply to Sir John Hall's observations on the Report of the Sanitary Commission, despatched to the seat of war in the East, 1855–56. 36p. Lond., 1857.

Wyatt, J. History of the First Battalion Coldstream Guards during the Eastern Campaign, from February, 1854 to June 1856. 136p. 21½cm. Lond., 1858.

Garrison, F. H. The statistical lessons of the Crimean War. Mil. Surgeon, 1917, **41**: 457–73.—**Georgievsky, A.** Krymskaja vojna; medicinskoe obespećenie Dunajskoj armii. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 234–8. ——— Medicinskoe obespećenie dejstvujušćego otdelnogo Kavkazskogo korpusa. Ibid., 238–42. ——— Medicinskoe obespećenie Krymskoj armii. Ibid., 242–51. ——— & **Nikolaev, B.** Krymskaja vojna 1853–56gg. Ibid., 226–68.—**Nikolaev, B.** Krymskaja vojna i medicinskaja služba flota. Ibid., 255–67.—**Statistique** de la guerre de Crimée. Année sc. indust., Par. (1866) 1867, **11**: 206.—**Wahl.** Notes rétrospectives à propos de l'aliénation mentale dans l'Armée à l'époque de la guerre de Crimée (1854–57) Bull. Soc. méd. mil. fr., 1935, **29**: 37–43.

—— 1856–1860: Italian wars.

Lioust, C. *Le service pharmaceutique pendant la Campagne d'Italie, 1859–60. 99 l. 8° Par., 1949.

—— 1857–1859: Anglo-Indian wars.

Hehir, P. A professor of military medical history for our Indian Wars. Lancet, Lond., 1920, **1**: 568.—**Rowan, H. D.** Mian Mir (Lahore Cantonment) a retrospect and prospect. J. Roy. Army M. Corps, 1908, **11**: 229–42.

—— 1859: Battle of Solferino.

Collaborateurs (Les) du Comité international de la Croix-Rouge sur le champ de bataille de Solférino. Rev. internat. Croix Rouge, 1948, **30:** Suppl., 295–300.—**Steiner, J.** Feldärztliches aus der Schlacht bei Solferino. Wien. med. Wschr., 1939, **89:** 655–7.

—— 1861–1865: Civil War [United States]

Baruch, S. A surgeon's story of battle and capture. p.545–8. 8° Nashville [?] before 1920.
Cutting from: Confederate Veteran.

Brady, M. B., & Gardner, A. Original photographs taken on the battlefields during the Civil War of the United States. Private collection of Edward Bailey Eaton. 126p. 28½cm. Hartford, 1907.

Brown, F. H. Roll of students of Harvard University who served in the Army or Navy of the United States during the War of the Rebellion. 48p. 24cm. Cambr., 1866.

Fallon, J. T. List of synonyms of organizations in the volunteer service of the United States during the years 1861, '62, '63, '64, and '65. 301p. 23½cm. Wash., 1885.

Goodrich, F. B. The tribute book, a record of the munificence, self-sacrifice and patriotism of the American people during the War for the Union. 512p. 27½cm. N. Y., 1865.

—— United States Sanitary Commission. p.77–110. 27½cm. N. Y., 1865.
In his Tribute Book ... War for the Union.

—— Aid societies auxiliary to the Sanitary Commission. p.111–57. 27½cm. N. Y., 1865.
In his Tribute Book ... War for the Union.

—— Sanitary fairs. p.158–292. 27½cm. N. Y., 1865.
In his Tribute Book ... War for the Union.

Lancaster, Pa. Patriot Daughters of Lancaster. Hospital scenes after the battle of Gettysburg, July, 1863. 61p. 15cm. Phila., 1864.

McMichael, J. R. Diary of Captain J. R. McMichael, prisoner of war, 1864–65. 28p. 23cm. Augusta, 1945.

Morton, W. T. G. The use of ether as an anesthetic at the Battle of the Wilderness in the Civil War. 15p. 22cm. Chic., 1904.

Paine, W. Pennsylvania frauds; how state officials teach a political arithmetic; what Dr Paine knows of the frauds of the Pennsylvania war claims. 16p. 8° Phila., 1872.

Peck, G. B. Camp and hospital. 50p. 20cm. Provid., 1884.

Rush, B. Letter on the rebellion, to a citizen of Washington, from a citizen of Philadelphia. 23p. 22cm. Phila., 1862.

Souder, E. B. T. Leaves from the battlefield of Gettysburg; a series of letters from a field hospital; and national poems. 144p. 17cm. Phila., 1864.

United States. Army. 150th Regiment New York State Infantry Volunteers. Sick book of Co. B, 150th Regt N. Y. S. V., 2nd Brigade, 1st Division, 20th Army Corps, Army of the Cumberland, Feb. 27, 1864–April 9, 1865 [manuscript] [46]p. 15cm. n. p., 1864–65.

United States. Army. Western Sanitary Commission. Report of the Western Sanitary Commission for the year ending June 1st, 1863. 32p. 23cm. S. Louis, 1863.

United States Sanitary Commission. Report of the secretary with regard to the probable origin of the recent demoralization of the Volunteer Army at Washington, and the duty of the Sanitary Commission with reference to certain deficiencies in the existing Army arrangements, as suggested thereby. 38p.; 8p. 23cm. Wash., 1861.

Campbell, E. G. The United States military railroads, 1862–65; war time operation and maintenance. J. Am. Mil. Hist. Found., 1939, **2:** 70–89.—**Commissary** Department, encampment of the Massachusetts 6th Regiment of Volunteers near Baltinore, 1861; lithograph by John H. Bufford. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 240.—**Deutsch, A.** Military psychiatry: The Civil War, 1861–65. In: One Hundred Years of Psychiatry (Am. Psychiat. Ass.) N. Y., 1944, 367–84.—**Dock, L. L.** Nursing in the Civil War. In her Hist. Am. Red Cross Nurs., N. Y., 1922, 9.—**Extract** from the journal of a medical officer, 1865–66. J. R. Nav. M. Serv., 1936, **22:** 51–61.—**Fort Albany,** at Arlington Heights, erected 1861 by the 25th Regiment, New York State Militia; lithograph published by E. F. Ruhl, Albany. In: Album Am. Battle Art (U. S. Libr. Congress) Wash., 1947, 239.—**Fort Ridgley,** Minnesota, where in 1862 pioneer nurse Eliza Mueller tended the casualties of Indian warfare [Illust.] Hospitals, 1943, **17:** No. 8, 73.—**Goodrich, F. B.** Hospital inspection and transportation. In his Tribute Book . . . War for the Union, N. Y., 1865, 95. ——— The Western Sanitary Commission. Ibid., 293–315, illust. ——— State sanitary commissions; local relief associations. Ibid., 316–35, illust. ——— Diet kitchens. Ibid., 361. ——— International relief. Ibid., 383–6. ——— The Volunteer Hospital Association. Ibid., 421–30, illust. ——— A Thanksgiving dinner in the Army and Navy. Ibid., 431–9, illust.—**Hall, C. R.** The influence of the Medical Department upon Confederate war operations. J. Am. Mil. Hist. Found., 1937, **1:** 46–54.—**McGinnis, H. J.** Evacuation of the sick and wounded during the Civil War. Q. Phi Beta Pi M., 1942, **39:** 132–4.—**Meleney, F. L.** Hospital gangrene in the Civil War. In his Treat. Surg. Infect., N. Y., 1948, 12–7.—**Miller, G.** Social services in a Civil War hospital in Baltimore. Bull. Hist. M., 1945, **17:** 439–59, pl.—**Nurses** destined for the Army visiting the New York City Hospital preparatory to joining the Hospital Department of the Army; August 31, 1861 [Illust.] Ciba Sympos., 1942–43, **4:** 1385.—**Oates, L.** Civil War nurses. Am. J. Nurs., 1928, **28:** 207–12.—**Ross, E. D.** The Civil War after fourscore years. Social Sc., 1943, **18:** 203–10.—**Steiner, W. R.** A physician's experiences in the United States Sanitary Commission during the Civil War. Proc. Charaka Club, 1941, **10:** 172–91, 3 pl.—**Stimson, J. C.,** & **Thompson, E. C.** Women nurses with the Union Forces during the Civil War. Mil. Surgeon, 1928, **62:** 1; 208.— **Stone, J.** War music and war psychology in the [American] Civil War. J. Abnorm. Psychol., 1941, **36:** 543–60.—**Surgeon** (A) at work at the rear during the Civil War, from a drawing by Winslow Homer [Illust.] Ciba Sympos., 1942–43, **4:** 1384.—**United** States Sanitary Commission proved boon to Civil War period; military welfare organization unique aid to soldiers; great fair held at Chicago; Lincoln's gift. Welf. Bull., Springf., 1942, **33:** No. 6, 3–5.—**Volunteer** nurses attending the sick and the wounded at the United States General Hospital at Georgetown, D. C., July 6, 1861 [Illust.] Ciba Sympos., 1942–43, **4:** 1386.—**Weaver, G. H.** Surgeons as prisoners of war; agreement providing for their unconditional release during the American Civil War. Bull. Soc. M. Hist. Chicago, 1933, **4:** 249–61.—**West, R. M.** Nursing during the Civil War. In her Hist. Nurs. Pennsylvania, 1939, 15–7. ——— Some personalities among Civil War nurses. Ibid., 19.—**Zirkle, C.** Soil exhaustion, the territorial limitation of slavery, and the Civil War. Isis, Menasha, 1942–43, **34:** 355–9.

For the following pictures and photographs see Collection in the Library: Albany (The) contractors who have influence at Washington, and their victim [Soldier's clothing] Medical cartoon from Disbrow Collection. Group of soldiers showing amputations in lower extremity at Armory Square Hospital, Washington, D. C. Officers of United States General Hospital, Augusta, Maine, 1865. United States. Army. Douglas Hospital. [Photostatic copies of cuttings concerning the Douglas Hospital, 205 I St., Washington, D. C.] United States. Army. General Hospital [Armory Square, Washington, D. C.] Armory Hospital; chapel; ward. United States. Army. General Hospital [Central Park, N. Y.] 1863. United States. Army. General Hospital [West's Bulldings, Baltimore, Md.] United States. Army. Russell Barracks. Hospital [Washington, D. C.]

—— 1861–1865: Civil War—Confederate Army.

Gildersleeve, J. R. History of Chimborazo Hospital, C. S. A. (Abstract from address given at Nashville, Tenn., June 14, 1904) p.86–94. 8° Richmond, Va., 1909.
Photostat, Southern Historical Papers, 1908, **30:**

McCaw, J. B. On Chimborazo Park; Dr James B. McCaw gave it its name; how he came to give it the name; interesting war history of the famous hill. 1 l. 33cm. Richmond, ca 1897.

McKim, R. H. The numerical strength of the Confederate Army. 71p. 19cm. N. Y., 1912.

STEVENSON, W. G. Thirteen months in the Rebel Army; being a narrative of personal adventures in the infantry, ordnance, cavalry, courier, and hospital services. 232p. 17cm. N. Y., 1862.

Chambers, S. R. On the treatment of camp itch. Confed. States M. & S. J., 1865, **2**: 10.—**Depot** Field Hospital, City Point, Va, Apr. 24, 1865. Photographs [Exterior of Ward, Hospital of 2nd Corps; interior of Ward in Hospital of 2nd Army Corps; (One half of) front row of Wards, Hospital of 2nd Corps] See Collection in Library.—**Edwards, C. J.** Pneumonia in the Confederate Army. South. Pract., 1911, **33**: 478–80.—**Hume, E. E.** Chimborazo Hospital, Confederate States Army—America's largest military hospital. Mil. Surgeon, 1934, **75**: 156–66. Also Virginia M. Month., 1934, **61**: 189–95.—**Lookout** Mountain, Tenn., Field Hospital. For photogr. see Coll. in Library.—**Malpass, G. N.** Medicine in the Confederate Army. Am. J. Pharm., 1943, **115**: 173–7.—**Map** of Chimborazo General Hospital, C. S. A. as it appeared July 6, 1862, Savage Smith, del. Virginia M. Month., 1944, **71**: 118, map.—**Maverick, M.** Confederate doctors and hospital facilities during the Civil War. Congressional Rec., 1943, **89**: A1981–3.—**Schwartz, L. L.** War problems of dentistry; the South in the Civil War. J. Am. Dent. Ass., 1945, **32**: 37–42.—**Stout, S. H.** Soldier patients received good care in Confederate hospitals. Hosp. Management, 1943, **56**: 31.

—— 1863–1864: Polish Insurrection.

Bialokur, F. Materjały do historji służby zdrowia w powstaniu styczniowem; higjena w oddziałach powstańczych. Lek. wojsk., 1928, **12**: 250; passim. ——— Chorobowość, epidemje i warunki atmosferyczne w powstaniu styczniowem 1863 i 1864 r. Ibid., 1931, **18**: 559–65. ——— [Physicians of the Polish insurrection of 1863–64] Ibid., 1932, **19**: 663–8. ——— Lekarze i medycy uczestnicy powstania styczniowego 1863–1864 roku i ich życiorysy. Ibid., 1933, **21**: 426; passim.

—— 1863–1864: Prusso-Danish War [Schleswig-Holstein question]

HANNOVER, A. Das Endresultat der Resectionen im Kriege 1864 in den Unterklassen der Danischen Armee. p.109–37. 23cm. Wien, 1869.

Also in: Med. Jahrb., Wien, 1869, **18**:

Prussian field pharmacy and hospitals under the present war] Pharm. tid., Kbh., 1863–64, **3**: 310–3.

—— 1865: Battle of Riachuelo.

Ayres Netto, J. Os médicos na batalha naval do Riachuelo. Arq. brasil. med. nav., 1946, **7**: 1039–51. Also Rev. med. cir. S. Paulo, 1946, **6**: 35–46.

—— 1866: Austro-Prussian ("Seven weeks'") War.

Garrison, F. H. The statistics of the Austro-Prussian ("Seven weeks") war, 1866, as a measure of sanitary efficiency in campaign. Mil. Surgeon, 1917, **41**: 711–7.

—— 1866: Laguna Retreat.

Brandão, filho, **L.** Comentário médico à margem d'A Retirada da Laguna; cólera ou intoxicação alimentar e avitaminose? Pub. méd., S. Paulo, 1941, **13**: No. 3, 55–64.—**Lobo da Silva, A.** O serviço de saúde na Retirada da Laguna. Rev. med. mil., Rio, 1939, **28**: 31–6.

—— 1870–1871: Franco-Prussian War.

GIACOMINI, C. Alimentazione di Parigi durante l'assedio e sue conseguenze. 43p. 23½cm. Torino, 1871.

HAAK, C. A. Om den frivilliga sjukvården under tysk-franska kriget, 1870. 56p. 8° Stockh., 1874.

HENSGEN. Kriegs- und Gefangenschaftserlebnisse eines Arztes aus dem Feldzuge von 1870-71. 3. Aufl. 91p. 8° Heidelb., 1914.

Achard, C. La guerre de 1870; le siège de Paris et la Commune. In his Confess. d'un vieil homme, Par., 1943, 23–36.—**Bonnette.** Psychologie d'assiégés; le siège de Toul en 1870. Aesculape, Par., 1913, **3**: 32–4.—**Heyfelder, O.** Des résections faits à Neuwied et du traitement des blessés et des malades sous les tentes. Presse méd. belge, 1870–71, **23**: 181; 189.—**Roger, H.** Le siège de Paris. In his Entre deux siècles, Par., 1947, 48–68.—**Schweizer** Aerzte-Mission im Jahre 1871. Praxis, Bern, 1942, **31**: 90.

—— 1873: Khiva Campaign [Mid-Asia]

Akodus, J. Khivinskie pokhody. In: Encikl. slovar voen. med., Moskva, 1946–48, **5**: 845–54.

—— 1874: Japanese Expedition to Formosa.

Nisimura, H. Meizi siti nen sciban tōbatu no eisei kaiko [Recollections of the (Army) sanitation on the expedition in 1874 to subdue the aborigines (of Formosa)] Gun idan zassi, 1936, 408–10.

—— 1876: Serbian War with Turkey.

LANGE, F. Meine Erlebnisse im Serbisch-türkischen Kriege von 1876; eine kriegschirurgische Skizze. 156p. 19cm. Hannover, 1880.

Tučaković, M. [Work of Russian hospitals during the Serbian-Turkish war in 1876] Voj. san. glasnik, 1940, **11**: 165–70.

—— 1877–1878: Romanian Campaign.

See also next heading.

Stoian, C. La chirurgie de guerre pendant la Campagne de 1877–78. Rev. san. mil., Bucur., 1937, **36**: 539–62, illust.

—— 1877–1878: Russo-Turkish War.

See also preceding heading.

Semeka, S. Medicina voennaja; vtoraja polovina 19. v.; Russko-tureckaja vojna 1877–78gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 824–47. ——— & **Maslinkovsky, T.** Russko-tureckaja vojna 1877–78gg. Ibid., **4**: 1248–65.

—— 1878–1879: Afghan Campaign.

EVATT, G. J. H. The death march through the Khyber Pass in the Afghan Campaign, 1876–79. [50]p. 23cm. Simla [?] 1890 [?]

Reprinted from J. United Serv. Inst. India, 1890, **19**: No. 82, 333; 462.

—— 1878–1879: Java-New Caledonian French Expedition.

Boudet. Rapport sur la campagne de l'Allier (1878–79) Arch. méd. pharm. nav., 1909, **91**: 16; 115.

—— 1879–1881: Akhal-Tekin Expedition of Sobelev.

Akodus, J. Akhal-Tekinskie ekspedicii, 1879–81gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 330–41. ——— Medicinskoe obespečenie Akhal-Tekinskikh ekspedicij. Ibid., 333–41.

—— 1885: North-West Campaign [Canada]

Cummins, J. F. The organization of the medical services in the North West Campaign of 1885. Bull. Vancouver M. Ass., 1943–44, **20**: 72–8.

—— 1886–1890: German East-African Campaign.

Steuver, W. Die Erstürmung von Kilwa und Lindi Ausrottung des Sklavenhandels. In his Arzt & Soldat, Berl., 1940, 54–62. ——— Stationsleben in Deutsch-Ostafrika. Ibid., 77–90. ——— Chefarzt von Deutsch-Ostafrika. Ibid., 139–56.

—— 1894: Kaffir rebellion.

Laxton, T. L. Three years of my life under the Southern Cross. Lancet, Lond., 1896, **1**: 1156.

—— 1894–1895: Japanese occupation of Korea.

JAPAN. RIKUGUN-SYŌ. Meizi 27–28 nen eki rikugun eisei ziseki. v.**1**, Suppl. B: Senryō-ti oyobi Kankoku syubi-tai [Garrisons in occupied territory and in Korea] p.351–400. 26cm. Tōkyō, 1907.

Cholera; ryukō no zyōkō; Kankoku [Cholera epidemics in Korea] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, **3**: pt 3, 14–7.—**Kankoku-nai** tenmaku kasya oyobi min-oku no kyōyō [The use in Korea of tent infirmaries and houses of the local inhabitants] Ibid., **1**: pt 8, 225–33.—**Kankoku** syubi-tai no eisei gyōmu [Medical service in the garrisons in Korea] Ibid., Suppl. B, 391–9.—**Syussei-tyū** kaku-gun no eisei zyōtai; Kankoku no hūdo [Medical conditions in the armies on expeditions; the natural features of Korea] Ibid., pt 2, 34.

—— 1894–1895: Sino-Japanese War.

JAPAN. RIKUGUN. OHMOTO-EI YASEN EISEI TYŌKAN-BU. Meizi 27–28 nen eki zin-tyū nissi [Field diary of the War of 1894–95, of the Ohmoto Barracks Field Medical Corps] 3v. 22cm. Tōkyō [after 1895]

JAPAN. RIKUGUN-SYŌ. Meizi 27–28 nen eki rikugun eisei ziseki [Medical history of the Army in the War of 1894–95] 4v. in 10. 26cm. Tōkyō, 1907.

—— RINZI RIKUGUN KEN-EKI-BU. Rinzi rikugun ken-eki-bu hōkoku tekiyō [Summary of the report of the Emergency Quarantine Department] 252p. 25cm. Tōkyō, 1896.

Sāto, T. Nissin Sen-eki to hakuai zigyō [Koike's relation to the Sino-Japanese War and charitable undertakings] In his Den Masanao Koike, Tōkyō, 1940, 182–8.—**Syussei-tyū** kaku-gun no eisei zyōtai [Medical conditions in the armies on expeditions] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 1: pt 2, 33–220.—**Zyuppei** [War relief] Ibid., pt 12, 607–52.

—— 1894–1895: Sino-Japanese War—Casualties.

JAPAN. RIKUGUN. Uzina rikugun kanzya syūgō-zyo hōkoku [Report of the Uzina Collecting Station] 203p. 22½cm. [n. p.] 1896.

JAPAN. RIKUGUN-SYŌ. Meizi 27–28 nen eki rikugun eisei ziseki. v.2, Syō-byō-sya ippan no keikyō oyobi tōkei [General conditions of and statistics on the sick and wounded] 477p. 26cm. Tōkyō, 1907.

—— [The same] v.4, pts 1–3: Sensyō [War wounds] 2v. [v.p.] 26cm. Tōkyō, 1907.

—— [The same] v.4, pt 2. (Bullet wounds) v. p. 26cm. Tōkyō, 1907.

CONTENTS

Chap. 1, 1–116: Bullet wounds of the head.
Chap. 2, 1–33: Bullet wounds of the neck.
Chap. 3, 1–190: Bullet wounds of the thorax.
Chap. 4, 1–132: Bullet wounds of the abdomen.
Chap. 5, 1–47: Bullet wounds of the pelvis.
Chap. 6, 1–10: Bullet wounds of the spinal column.
Chap. 7, 1–223: Bullet wounds of the extremities.

—— [The same] v.4, Suppl. A: Tōsyō oyobi tōsi [Frostbite and death from cold] 39p. 26cm. Tōkyō, 1907.

KOZIMA, N. Hasyōhū [Tetanus] 34p. 26cm. Tōkyō, 1907.

Forms Suppl. B, v.4, Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō)

Eisei-buin no sonsitu [Loss of medical unit personnel] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 1: pt 10, 499–503.—**Gan-sonsyō** [Eye injuries] Ibid., 4: pt 2, Chap. 1, 84–116.—**Hōsō:** teki no siyō-sesi hō oyobi hōdan; sōsyō densenbyō [Shell wounds: kinds of guns and shells used by the enemy; infection in shell wounds] Ibid., pt 3, 1–21.—**Sensi-sya** oyobi kanzya sōsū [Total number of casualties] Ibid., 2: 5–10.—**Sensi-sya** oyobi kanzya tōkei [Casualty statistics] Ibid., 203–327.—**Teki-gun** syō-byō-sya no tiryō [Treatment of enemy wounded and sick] Ibid., 134–45.

—— 1894–1895: Sino-Japanese War—Diseases and epidemics.

JAPAN. RIKUGUN-SYŌ. Meizi 27–28 nen eki rikugun eisei ziseki. v.3, pts 1–6: Densenbyō oyobi kakke [Infectious diseases and beriberi] 3v. 26cm. Tokyo, 1907.

CONTENTS

Pt 1, 106–16: A kind of typhoid fever that developed in Hirosima during the war.
Pt 2, 117–455: Dysentery.
Pt 3, 1–145: Cholera (incl. cholera epidemics in China)
Pt 4, 147–249: Epidemic cerebrospinal meningitis (incl. history of pre-war epidemics in Japan)
Pt 5, 1–152: Malaria.
Pt 6, 1–194: Beriberi (incl. beriberi among the natives and the enemy captives in the battle zone)

Bōeki [Prevention of infectious diseases] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 1: pt 9, 251–402; Suppl. A, 308.—**Cholera** hassei-zen no keiei [Program for use before the development of cholera] Ibid., 253–64.

—— 1894–1895: Sino-Japanese War—Medical organization and services.

JAPAN. RIKUGUN-SYŌ. Meizi 27–28 nen eki rikugun eisei ziseki. v.1, pts 1–12: Senzi eisei kinmu [Medical service in wartime] 2v. 748p.; 652p. 26cm. Tōkyō, 1907.

Byōin kasya [plans] [Temporary hospital buildings] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 1: Suppl. C, No. 12, 1–3.—**Eisei-bu** zin-in [Medical unit personnel] Ibid., pt 10, 403–99.—**Eisei** zairyō tōkei [Statistics of medical stores] Ibid., 2: 327–477.—**Heitan-senro** oyobi heitan cisei-bu [Lines of communications, and line of communications medical units] Ibid., 1: pt 5, 4–28.—**Naiti** syubi-tai, hozyū-tai no eisei kinmu oyobi yobi-, yōsai-byōin no kinmu [Medical service in garrisons in Japan and with depot troops, and service in general hospitals and hospitals within fortifications] Ibid., pt 6, 119–79.—**Rikugun-syō** oyobi Senzi Kōtō Sirei-bu ni zoku-suru eisei-bu no senreki oyobi zigyō [Travels and deeds of the medical units under the jurisdiction of the War Ministry and the wartime High Command] Ibid., pt 3, 221–80.—**Rikugun-syō** oyobi Senzi Kōtō Sirei-bu ni zoku-suru eisei-bu [to] yasen eisei syo-butai [to] syubi-butai eisei-bu [to] no hensei oyobi sono kinmu [Organization and duties of the medical units under the jurisdiction of the War Ministry and the wartime High Command, of the various medical units in the field, [and] of the medical units in the garrisons] Ibid., pt 1, 3–31.—**Sen-eki-kan** Nippon Sekizyūzi-sya no zigyō [The work of the Japanese Red Cross Society during campaigns] Ibid., pt 12, 618–41.—**Senryō-ti** sōtoku-bu no eisei gyōmu [Medical service in the governments-general of occupied territories] Ibid., Suppl. B, 351–71.—**Senti** oyobi Naiti no kasetu byōsya [Temporary infirmaries in the field of operations and in Japan] Ibid., pt 8, 223–50.—**Sentō** ka-hōtaizyo, hōtaizyo, yasen byōin no iti [maps] [Locations of battlefield temporary dressing stations, dressing stations, and field hospitals] Ibid., Suppl. C, No. 6, 1–14.—**Senzi** eisei kinmu; zinzi; syō-batu [Wartime medical service; personnel; rewards and punishments] Ibid., pt 10, 504–11.—**Sinkoku-nai** tenmaku kasya oyobi min-oku no kyōyō [The use in China of tent infirmaries and houses of the local inhabitants] Ibid., pt 8, 233–7.—**Syussei-tyū** kaku-gun no eisei zyōtai; kōgun oyobi syukuei [Medical conditions in the armies on expeditions; during marches and in quarters] Ibid., pt 2, 157–203.—**Tokusi-kango** [Volunteer nursing] Ibid., pt 12, 641–5.—**Weihaiwei** oyobi sono hukin tyūton-tai no eisei gyōmu [Medical service in the garrisons stationed in Weihaiwei and the surrounding territory] Ibid., Suppl. B, 371–91.—**Yasen-gun** no kōgun, tyūryū, oyobi sentō-kan kaku eisei-bu no sagyō [Activities of the various medical units of the field armies during marches, long halts, and fighting] Ibid., pt 4, 281–748.

—— 1894–1895: Sino-Japanese War—Sanitation.

Syussei-tyū kaku-gun no eisei zyōtai: hukusō; ryōsyō; kyūsui; tyōsui-hō no zyunbi oyobi zikkō [Medical conditions in the armies on expeditions: uniforms; provisions; water supply; preparations for, and results in, methods of purifying water] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 1: pt 2, 45–156.

—— 1894–1895: Sino-Japanese War—Transportation and evacuation.

Byōin-sen [plans] [Hospital ships] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 1: Suppl. C, No. 11, 1–3.—**Kaizyō** oyobi Naiti kanzya yusō narabi-ni yusō-gu [Transportation of patients at sea and in Japan, and transportation equipment] Ibid., pt 7, 181–221.—**Kanzya** yusō-gu [Transportation means] Ibid., 207–21.—**Kisya** oyobi senpaku yusō-tyū no eisei [Medical and hygienic conditions during troop transportation by train and by ship] Ibid., pt 2, 203–20.—**Kōsō** kanzya no tūro; Sin-Kan kōsō kanzya no tūro [map] [Sea-routes traversed by patients returning from China and Korea] Ibid., Suppl. C, No. 7, 1.—**Sin-Kan** rikuti kanzya yusō no keikyō oyobi heitan eisei-bu no sagyō [The situation regarding land transportation of patients in China and Korea, and the activities of the line of communications medical units] Ibid., pt 5, 28–118.

—— 1895: Cuban Revolution.

Córdova y Quesada, A. Curioso caso de psicopatie ocurrido durante la revolución del 95. In his Locura en Cuba, La Habana, 1940, 218.

—— 1895: Expedition to Formosa.

JAPAN. RIKUGUN-SYŌ. Meizi 27–28 nen eki rikugun eisei ziseki. v. 1, Suppl. A: Taiwan hito tobatū-gun [Expeditionary Force against the insurgents in Formosa] p.1–350. 26cm. Tōkyō, 1907.

Cholera; ryūkō no zyōkyō; Taiwan Cholera epidemics in Formosa] In: Meizi 27–28 nen eki rikugun eisei ziseki (Japan. Rikugun-syō) Tōkyō, 1907, 3: pt 3, 17–9.

—— 1898–1900: Spanish-American War, and occupation.

ALGER, R. A. The Spanish-American war. 466p. 8° N. Y., 1901.

Bigelow, J. jr. Reminiscences of the Santiago campaign. 187p. 8° N. Y., 1899.

Borden, W. C. The use of the Röntgen ray by the Medical Department of the United States Army in the War with Spain, 1898. 98p. 29½cm. Wash., 1900.

Dock, L. L. The episode of the Spanish-American War. p.25–66. 22½cm. N. Y., 1922.
In her Hist. Am. Red Cross Nurs., N. Y., 1922.

Funston, F. Memories of two wars; Cuban and Philippine experiences. 451p. 8° N. Y., 1911.

Santovenia, E. S. Memorial book of the inauguration of the Maine Plaza at Havana. 100p. 4° La Habana, 1928.

United States. Congress. Senate. Report of the Commission appointed by the President to investigate the conduct of the War Department in the war with Spain. 8 v. 8° Wash., 1900.
Forms No. 221, Senate Doc., 1900, 56. Congr., 1. Sess.

Pensions to male contract nurses of the Spanish-American War. J. Am. M. Ass., 1939, **112:** 746.—**Senn, N.** War correspondence [Hispano-American war] Ibid., 1898, **31:** 34; passim.—**Veterinary** medicine of the Spanish-American War. J. Am. Vet. M. Ass., 1942, **100:** 489.

For the following photographs see Collect. in Library: Group of Medical Officers taken under a spreading Orange tree, Tampa Heights, May 1898. Medical officers, Spanish American War, Tampa, Florida. May, 1898. United States. Army. 10th Volunteer Infantry. Spanish American War photographs of Dispensary, Hospital, Transportation & exterior view of Hospital and Dispensary. United States. Army Medical Corps. Photographs [J. R. Kean; J. M. Cabell; Wm. N. Suter; J. A. Finaly; F. F. Cochran; Wm. P. Kendall; Wm. D. Wolverton; L. Breckemin; G. W. Adair; D. Bache. Spanish American War, Fort Robinson, Nebr. 1898]

—— 1898–1900: Spanish American War, and occupation—Battle of Manila Bay.

Roddis, L. H. The medical departments of the ships of Dewey's squadron in the battle of Manila Bay. Mil. Surgeon, 1935, **76:** 141–8.

—— 1898–1900: Spanish American War, and occupation—Casualties and diseases.

Reed, W., Vaughan, V. C., & Shakespeare, E. O. Abstract of report on the origin and spread of typhoid fever in U. S. military camps during the Spanish War of 1898. 239p. 23cm. Wash., 1900.

—— Report on the origin and spread of typhoid fever in U. S. military camps during the Spanish war of 1898. Vols 1 & 2. 2 v. Fol. Wash., 1904.

Saleeby, N. M. Collection of one hundred and fifty-nine charts carefully selected to represent the type of fever of the epidemic of Camp Columbia, Quemados, Cuba, which occurred during September, October, and November, 1899. 159ch. 26cm. Quemados, 1899.

Smith, C. D. Cases of Chickamauga typhoid treated at the Maine General Hospital. 16p. 8° Portland, 1899.

United States. Army. Board on the Origin and Spread of Typhoid Fever in United States Military Camps During the Spanish War of 1898. Cases of typhoid fever among the Hospital and Ambulance Corps men, and the female nurses at Chickamauga, Camps Alger and Mead, 1898. MS. 8 l. [also 75 cards giving the names and number of cases in Hospital and Ambulance Corps] 4° [n. p.] 1898.

Vaughan, V. C. Some remarks on typhoid fever among our soldiers during the late war with Spain. 15p. 8° N. Y., 1899.

Boynton, H. V. Typhoid fever in camps during the war with Spain. J. Am. M. Ass., 1900, **35:** 175–7.—**Chiids, C.** The report on the typhoid fever epidemics in the volunteer camps of the United States Army in 1898. Brit. M. J., 1902, **2:** 263–5. —— A study of the typhoid fever epidemics in the United States volunteer encampments in 1898. Tr. Epidem. Soc. London, 1905–06, **25:** 173–203, map.—**Reed, W., Vaughan, V. C., & Shakespeare, E. O.** Preliminary report on typhoid fever in military camps of the United States, 1898. Army M. Bull., 1940, **53:** 73–103.—**Report** to war office on typhoid epidemic in fifteenth Minn. U. S. V. 1898. Rep. Bd Health Minnesota, 1899–1900, **18:** 487–91.—**Smith, C. D.** Cases of Chickamauga typhoid treated at the Maine General Hospital. Tr. Maine M. Ass., 1898–99, **13:** 402–17.—**Thomas, J. D.** Some complications and sequelae of typhoid fever, as seen in the late war. Tr. M. Soc. Distr. Columbia (1899) 1900, **4:** 65–77.—**Tyson, J.** Experiences in the hospitals of Philadelphia with typhoid fever originating among the soldiers in the late war with Spain. Tr. Coll. Physicians Philadelphia, 1899, 3. ser., **21:** 6–49.—**Vaughan, V. C.** Conclusions reached after a study of typhoid fever among the American soldiers in 1898. Gaillard's M. J., 1900, **73:** 119–38. Also J. Am. M. Ass., 1900, **34:** 1451–9. Also Philadelphia M. J., 1900, **5:** 1315–25. —— Typhoid fever among the troops at Chickamauga in 1898. Internat. Clin., 1900, 10. ser., **1:** 25–50.—**Watkins, V. E.** A consideration of typhoid fever as seen in Army hospitals during the Spanish-American War. Tr. Maine M. Ass., 1901, **14:** 128–40.

—— 1898–1900: Spanish American War, and occupation—Philippines.

United States. War Department. Military notes on the Philippines. 314p. 23cm. Wash., 1898.

—— Military administration and operations in the Philippines, 1899–1910. 9v. 23–23½cm. Wash., 1899–1910.

López, C. G. Medical and nursing activities during the Philippine Revolution. Rev. filip. med., 1937, **28:** 405–25.

—— 1899–1902: Boer War [South Africa]

Doyle, A. C. The war in South Africa; its cause & conduct. 140p. 22cm. N. Y., 1902.

Great Britain. Army. Return of military forces in South Africa, 1899–1901. 2 l. 33cm. Lond., 1901.

Great Britain. Royal Commission on the War in South Africa. Report of His Majesty's Commissioners appointed to inquire into the military preparations and other matters connected with the war in South Africa. 4 pts fol. Lond., 1903.

—— Minutes of evidence taken Vols. 1 and 2 and appendices of the minutes of evidence [v.3] 3v. fol. Lond., 1903.

Great Britain. War Office. Report on the concentration camps in South Africa, by the committee of ladies appointed by the secretary of state for war; containing reports on the camps in Natal, the Orange River Colony, and the Transvaal. 208p. fol. Lond., 1902.

Ryerson, G. S. Impressions of the medical side of the war in South Africa. 16p. 12° Toronto, 1900.
Also Canad. Pract., 1900, **25:** 609–12.

Flockemann, A. Reminiscences of the Anglo-Boer war. S. Afr. M. J., 1944, **18:** 376.—**Gibbon, J. M., & Matheson, M. S.** Boer War. In their Three Cent. Canad. Nurs., Toronto, 1947, 289–93.—**Rossiter, C. B.** Some reminiscences of the Boer War Concentration Camps. Med. Press & Circ., Lond., 1944, **212:** 181; 198.—**S., D. A. D. M.** The doctor's war, 1899–1902. J. R. Army M. Corps, 1934, **63:** 20; passim.—**Simpson, W. J.** Sanitary condition of camp. Rep. Com. Dysentery (Gr. Britain, Secr. War) Lond., 1903, 76–83.

—— 1899–1902: Boer War—Casualties.

Küttner, H. Kriegschirurgische Erfahrungen aus dem Südafrikanischen Kriege 1899/1900. 116p. 24½cm. Tüb., 1900.

Stevenson, W. F. Report of the surgical cases noted in the South African War, 1899–1902. 308p. fol. Lond., 1905.
Bound with: Report of the Commission on the nature ... of dysentery, Lond., 1903.

—— Gunshot wounds and injuries of the abdomen. p.67–121. pl. fol. Lond., 1905.
In his Rep. Surg. Cases S. Afr. War, Lond., 1905.

Hickson, S. Bones of the lower extremity. Rep. Surg. Cases S. Afr. War (Stevenson, W. F.) Lond., 1905, 178–82. ——— The humerus. Ibid., 190. ——— Metacarpal bones. Ibid., 195. ——— Wounds of the ankle joint; wounds of the tarsus. Ibid., 207–9. ——— The wrist joint and carpus; tetanus. Ibid., 216–8.—**Holt.** Gunshot wounds and injuries of the chest. Ibid., 125–57, 2 pl. ——— Surgical emphysema. Ibid., 136. ——— Fracture of bony walls of chest. Ibid., 139–41. ——— Heart and pericardium. Ibid., 144–6. ——— Wound of oesophagus. Ibid., 149; 164. ——— Pulsating haematoma. Ibid., 152.—**Stevenson, W. F.** Wounds and injuries of the head. Ibid., 9–49, 4 pl. ——— Gunshot fractures of the skull; gutter fractures; penetrating gunshot fractures of the skull. Ibid., 16–31. ——— Abscess and hernia of the brain. Ibid., 47–9. ——— Gunshot wounds of bladder. Ibid., 95–8. ——— The first field dressing. Ibid., 270–2.—**Sylvester.** Gunshot injuries of blood vessels; of the heart. Ibid., 219–43.

—— 1899–1902: Boer War—Diseases and epidemics.

Bruce, D. On the etiology of South African dysentery. Rep. Com. Dysentery (Gr. Britain, Secr. War) Lond., 1903, 7–50, 15 pl. ——— Detailed description of the micro-organisms found in the organs and intestinal contents of cases of dysentery above described. Ibid., 41–50, 8 pl.—**Ferenczy, A.** Die Typhoidepidemie im südafrikanischen Kriege 1899–1901, deren Aetiologie und die Präventivimpfungen dagegen. Allg. mil. ärztl. Ztg, Wien, 1906, 66; passim.—**Garvin, J. F.** [Some professional experiences at the Boer Camp; enteric fever] Brit. M. J., 1903, **1**: 856.—**Quill, R. H.** Report of an outbreak of enteric fever at Diyatalawa Camp, Ceylon, among the 2nd King's Rifles, during the period they acted as guard over Boer prisoners of war. Rep. Army M. Dep. (1900) 1902, **42**: 449-54.—**Skirving, R. S.** On the spread of enteric fever during the South African war. Australas. M. Gaz., 1901, **20**: 4–7.

—— 1899–1902: Boer War—Medical organization and services.

CIVILIAN (A) WAR HOSPITAL; being an account of the work of the Portland Hospital, and of experience of wounds and sickness in South Africa, 1900. 343p. 22cm. N. Y., 1901.

Curson, H. H. The volunteer veterinary services of the Empire and the second Anglo-Boer War (1899–1902) Vet. Rec., Lond., 1933, **13**: 829–41.—**Medical** administration in the South African war. J. R. Army M. Corps, 1937, **68**: 341–7.—**Pope, G. F.** Nursing in South Africa during the Boer War 1899–1900. Internat. Congr. Nurses, 1901, 3. Congr., 319–25.—**Stevenson, W. F.** The employment of X-rays in South Africa. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 275.

—— 1900: Boxer Rising.

JAPAN. RIKUGUN-SYŌ. IMU-KYOKU. Meizi 33-nen Hokusin Zihen rikugun eisei ziseki [Army medical service history in the Boxer Uprising of 1900] 4v. in 3. 22cm. Tōkyō, 1904–05.

Eisei kinmu; sakusen-ti hūdo [The natural features of the field of operations] In: Meizi 33-nen Hokusin Zihen rikugun eisei ziseki (Japan. Rikugun-syō. Imu-kyoku) Tōkyō, 1905, **1**: 288–323.—**Koike, M.** Hokusin Zihen [The North China Incident] (1900) In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 500–8.

—— 1900: Boxer Rising—Casualties and diseases.

Butai-betu si-syō-sya [tab.] [Statistics on dead and wounded by military unit] In: Meizi 33-nen Hokusin Zihen rikugun eisei ziseki (Japan. Rikugun-syō. Imu-kyoku) Tōkyō, 1905, **2**: 7.—**Gaikoku** syō-byō-sya tōkei [tab.] [Statistics on sick and wounded nationals of foreign countries] Ibid., 1905, **2**: Suppl., 1–10.—**Geka** tiken kizi: teki-gun no siyō-sesi kaki; sensyō no saibetu [Record of successful surgical treatment: firearms used by enemy troops; classification of battle wounds] Ibid., 1904, **3**: 1–5.—**Heisyu-betu** si-syō-sya [tab.] [Statistics on dead and wounded by kind of soldiers] Ibid., 1905, **2**: 8.—**Naika** tiken kizi: kakke; sekiri; tyō-typhus; malaria; kyōmakuen [Record of successful medical treatment; beriberi; dysentery; typhoid fever; malaria; pleurisy] Ibid., 1904, **4**: 359–603.—**Nyūin** kanzya [tab.] [Hospitalized patients] Ibid., 1905, **2**: 98–145.—**Senti** nyūin kanzya [tab.] [Patients hospitalized in battle-zone hospitals] Ibid., 108–23.—**Syōkōkei** zyūsō; endan zyūsō; hōsō; sōsyō densenbyō [Gunshot wounds by firearms of light calibre; gunshot wounds with lead projectiles; shell wounds; wound infection] Ibid., 1904, **3**: 15–346.

—— 1900: Boxer Rising—Medical organization and services.

Eisei kinmu: ryōsyō; hu, kakyūhin; eisei-bu zin-in; eisei zairyō [Medical service: food supply; supplement, extras (sweets, cigarettes, etc.) personnel of the medical service; medical stores] In: Meizi 33-nen Hokusin Zihen rikugun eisei ziseki (Japan. Rikugun-syō. Imu-kyoku) Tōkyō, 1905, **1**: 328–77.—**Eisei** kinmu: sentō; byōin oyobi kanzya syūgōzyo; kanzya kōsō [Medical service: in combat; in hospitals and assembly areas for the wounded; evacuation of the wounded] Ibid., 107–287.—**Eisei** zairyō, Dai-5 Sidan; yakubutu, tiryō kikai, makō kikai [tab.] [Medical stores in the 5th Division; drugs, medical instruments, apparatus for the repair of surgical instruments] Ibid., **2**: 154; 173; 186.—**Eisei** zairyō, Hirosima Yobi Byōin; yakubutu, tiryō kikai; makō kikai [tab.] [Medical stores in the Hirosima General Hospital; drugs, medical instruments, apparatus for repair of surgical instruments] Ibid., 192; 212; 228.—**Eisei** zairyō; senpaku; yakubutu [tab.] [Medical stores on ships; drugs] Ibid., 231–4.—**Gaikoku** syō-byō-sya syūyō tenmatu [Details on the reception of sick and wounded nationals of other countries] Ibid., **1**: Suppl., 1–16.

—— 1904–1905: Russo-Japanese War.

JAPAN. RIKUGUN-SYŌ. Meizi 37–38 nen sen-eki rikugun eisei si. 2.–6. kan [Medical history of the Army during the War of 1904–05. v.**2–6**] 5v. in 21. 26cm. Tōkyō, 1924.

—— [The same] v.**2**, Tōkei [Statistics] 461p. 26cm. Tōkyō, 1924.

RED CROSS. GERMANY. DEUTSCHE VEREINE VOM ROTHEN KREUZ. CENTRAL COMITÉ. Beiträge zur Kriegsheilkunde aus der Hilfstätigkeit der Deutschen Vereine vom Rothen Kreuz während des Russisch-Japanischen Krieges 1904–05. 431p. 28½cm. Lpz., 1908.

UNITED STATES. WAR DEPARTMENT. OFFICE OF CHIEF OF STAFF. Reports of military observers attached to the armies in Manchuria during the Russo-Japanese war. 5v. 8°. Wash. 1906.

—— Epitome of the Russo-Japanese war. 175p. 8°. Wash., 1907.

Artemjev, A. A. God na vojne; vpečatlenija iz voennopokhodnoj žizni. Voen. med. J., S. Peterb., 1910, **228**: Med. spec. pt, 712–42.—**Bulatov, V. V.** Medicinskij otčet o boe 14-go maja 1905 g. v Korejskom prolive. Med. pribav. morsk. sborn., 1905, pt 2, 114–9.—**Hoff, J. van R.** Medico-military notes in Manchuria. J. Ass. Mil. Surgeons U. S., 1906, **19**: 97–141.—**Kaku** sentō to si-syō-sya narabi-ni kyūgo no gaiyō: Zinsen-oki no kaisen; Kōkai kaisen; Urusan-oki kaisen; Nippon-kai kaisen [Various engagements, and summaries of dead and wounded and of emergency measures: the naval battle off Inch'ŏn; the Battle of the Yellow Sea; the sea-battle off Ulsan; the Battle of the Japan Sea] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tōkyō, 1910, 366; 408.—**Koike, M.** Niti-Ro Sen-eki [The Russo-Japanese War]—In: Den Masanao Koike (Satō, T.) Tōkyō, 1940, 581–670. ——— Liaoyang-sen oyobi Shaho-sen [The Battle of Liaoyang and the Battle of Shaho] Ibid., 600–39. ——— Hōten zen-go [Before and after the Battle of Mukden] Ibid., 639–49.—**Pilcher, J. E.** The message of the Orient. Pennsylvania M. J., 1905–06, **9**: 866–9.—**Sassaparel, I. I.** Sraženie pri d. Kudjaza; sanitarno-taktičeskaja zametka. Voen. med. J., S. Peterb., 1909, **224**: Med. spec. pt, 251–6.—**Solukh, N. P.** O poslednikh minutakh na krejsere Rjurik. Med. pribav. morsk. sborn., 1905, pt 2, 33–45. ——— Vospominanija vrača s pogibšago v boju krejsera Rjurik. Russ. vrach, 1905, **4**: 894; 928.—**Starokadomsky, L.** Russko-japonskaja vojna 1904–05gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1268–96.—[**Stephan**] Insegnamenti tratti dalla guerra russo-giapponese. Ann. med. nav., Roma, 1906, **1**: 385–99.—**Suzuki, S.** Notes on experiences during the Russo-Japanese naval war 1904–05. Brit. M. J., 1905, **2**: 1125–30. Also J. Ass. Mil. Surgeons U. S., 1905, **17**: 420–49.

—— 1904–1905: Russo-Japanese War—Casualties and injuries.

JAPAN. RIKUGUN-SYŌ. Meizi 37–38 nen sen-eki rikugun eisei si. v.3, pts 1–10: Sensyō [War wounds] 10v. 26cm. Tōkyō, 1924.

LAVAL, E. The Japanese wounded in the first naval engagement. MS. 5p. fol. n. p., 1904. Transl. from: Caducée, Par., 1904, **4**: 230.

Brentano. Die Wundinfektion. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 74–84. ——— Operationstabelle; die unter dem Strich angeführten sind Operationen der Friedenspraxis; Todesfälle. Ibid., 142–9.—**Casualties** (The) of the Japanese fleets in the great naval engagement of the Japan Sea [tab.] Sei i kwai M. J., 1905, **24**: Suppl., 64.—**Heika-betu** sentō si-syō [ch.] [Statistics on the killed and wounded in battle by branch of service] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **2**: App., 3.—**Henle.** Erfrierungen. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 416.—**Kaisen** ni okeru si-syō-sya

no syoti; sōsyō syoti [Care of the dead and the wounded during naval engagements; management of wounds] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tokyo, 1910, 439–87, illust., 3 pl., ch.—**Kaku** sentō to si-syō-sya narabi-ni kyūgo no gaiyō: gunkan kutiku-kan tinbotu ni sai-si syō-zesi si-syō-sya; riku-zyō ni okeru sentō sōsyō; Hokken Kantai no si-syō-sya [Various engagements, and summaries of dead and wounded and of emergency measures: dead and wounded during driving off and sinking of enemy ships; wounds incurred on battleships during land bombardment (in joint engagements with the Army) wounds incurred on land; dead and wounded on the squadrons of the Northern Expeditionary Force] Ibid., 363; 382; 435.—**Kriegschirurgtsche** Erfahrungen im russisch-japanischen Kriege. Deut. med. Wschr., 1914, **40**: 1731–34.—**Niti-Ro** sen-eki kaigun eisei-si huroku sensyō syasin no setumei [Explanation of the wound picture supplement to History of sanitation in the navy during the Russo-Japanese War] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tōkyō, 1910, Suppl., 1–10, 56 pl.—**Omo-naru** sentō si-syō-sya no ryakureki: syō-deki-si oyobi tō-si; nessyō oyobi baku-syō; sintai no tabu ni oitaru sōsyō [Brief history of the dead and the wounded in the chief engagements: deaths from wounds and drowning, and deaths from cold; deaths from heat and from explosions; the wounded with injuries in many places on the body] Ibid., 535–55, illust.—**Sensyō**; sōsyō denscnbyō; zyoeki-sya igo-syō [War wounds; wound infection; conditions due to wounds persisting in mustered-out soldiers] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 10, 165–406.—**Sensyō** no tenki oyobi tiryō nissū; sensyō no ippan kansatu; sensyō no tiryō [Prognosis of war wounds, and days required for healing; general observations on war wounds; treatment of war wounds] Ibid., pt 1, 257–490.—**Sensyō** no tōkei; sensyō no bui-betu [War wound statistics; classification of war wounds by location in the body] Ibid., 157–215, illust.—**Sensyō** sōron [War wounds; summary] Ibid., 1–490, 53 pl.—**Sentō** sisyō sō-syu oyobi bui-betu [tab.] [Battle casualties classified according to type and location of wound] Ibid., **2**: 113.—**Sentō** sōsyō [Battle wounds] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tokyo, 1910, 363–630, illust., 2 pl., 4 ch.—**Sentō** sōsyō tōkei; sentō si-syō-sya; sentō sōsyō no gen-in; sōsyō no tōkei [Statistics on battle wounds: the dead and the wounded in battle; causes of battle wounds; statistics on wounds] Ibid., 488–534, 2 ch.—**Sklifosovsky, P. T.** Kratkija svedenija ob operacijakh, proizvedennykh na glavnykh i peredovykh perevjazočnykh punktakh v polevykh podviżnykh hospitaljakh (No. 1, 22, 42, 44, 56, 57, 59, 66, 67, 69 i 85) i v zapasnykh hospitaljakh (No. 1 i 10) 2-oj manchzhurskoj armii s načala Russko-japonskoj vojny po 1 sentjabrja 1905 goda. Voen. med. J., S. Peterb., 1909, **226**: Med. spec. pt, 573–8.—**Syussei** zin-in iti-man nin no 30-niti-kan ni okeru syō-byō-sya oyobi si-sya [ch.] [Statistics on the sick and wounded and on the dead per 10,000 meni at the front in a 30-day period] In: Meizi 37–38 nen sen-ek rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **2**: App., 1.—**Tasō** [Multiple wounds] Ibid., **3**: pt 1, 217–55.—**War** mortality of Japanese. J. Am. M. Ass., 1909, **52**: 1274.—**Zoege Manteuffel, V. G.** Povreždenija v russko-japonskuju vojnu. Sezd Ross. khir. (1907) 1908, **8**: 108–18.

—— 1904–1905: Russo-Japanese War—Casualties and injuries: Abdomino-thoracic wounds.

Brentano. Brustschüsse. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 90–4. —— Bauschüsse. Ibid., 95–8.—**Derujinsky.** Trois cas de plaies pleuro-pulmonaires avec observation de seize cas de plaies pulmonaires pendant la guerre russo-japonaise. Rapp. Congr. Soc. internat. chir., 1911, **3**: 718–20.—**Hai** sonsyō; zyūkaku-nai kikan sonsyō; [Lung injuries; injuries to organs in the mediastinum] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 5, 105–40.—**Hukubu-kotuban** syasō [Bullet and shell wounds of the abdominal and pelvic regions] Ibid., pt 6, 1–400, 10 pl.—**Huku-maku-kō** sentō syasō no tōkei-teki kansatu [narabi-ni] ippan syōzyō oyobi keika [Statistical observations on and general symptoms and progress in penetrating bullet and shell wounds in the peritoneal cavity] Ibid., 95–187.—**Kyōbu** sentō syasō no tōkei-teki kansatu, ryūdan, sindan [oyobi] siin [Statistical observations on, bullets or shell fragments in, diagnosis of, and causes of death with penetrating wounds of the thorax] Ibid., pt 5, 67; 153; 228.—**Kyōbu** syasō [Bullet and shell wounds in the thorax] Ibid., 1–397, 4 pl.—**Omo-naru** sentō si-syō-sya no ryakureki; kukan no sōsyō [Brief history of the dead and the wounded in the chief engagements; wounds of the trunk] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tokyo, 1910, 574–92, illust.

—— 1904–1905: Russo-Japanese War—Casualties and injuries: Cardiovascular system.

Brentano. Gefäßschüsse. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 100–2.—**Gaisyō-sei** dōmyaku-ryū [Traumatic arterial aneurysm] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 9, 36–102.—**Kekkan** no syurui oyobi sonsyō no zyōtai [Kinds of blood-vessels and conditions of injury] Ibid., 6–20, illust.—**Sensyō**; kekkan syasō [War wounds; bullet and shell wounds in the blood vessels] Ibid., 1–341, 12 pl.

—— 1904–1905: Russo-Japanese War—Casualties and injuries: Eye injuries.

Japan. Rikugun-syō. Meizi 37–38 nen sen-eki rikugun eisei si. v.4, pts 1–5: Gan-sonsyō [Eye wounds] 5v. 26cm. Tōkyō, 1924.

Gan-sonsyō kaku-ron; kakumaku-, kyōmaku- [oyobi] kōsai sonsyō [Particulars on eye injuries; injuries to the cornea, to the sclera [and] to the iris] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **4**: pt 1, 51–111.—**Gan-sonsyō** ni okeru tōkei-teki kansatu [Statistical observations on eye wounds] Ibid., 1–43.—**Gan-sonsyō** oyobi gan-byō tōkei [tab.] [Statistics on eye injury and eye disease] Ibid., pt 5, 1–149.—**Kōkan-sei** gan-en [Sympathetic ophthalmia] Ibid., pt 2, 1–418, 15 pl.—**Kōtō-yo** syasō ni in-suru siya-kesson-syō [Defective visual field due to wounds in the occipital lobe] Ibid., pt 3, 1–234, 91 pl., 2 tab.—**Syasō** ni in-suru nō-nōyō ni keihatu-seru ukketu-nyūtō-syō oyobi sisinkei-en [Papilledema and ophthalmoneuritis following cerebral abscess caused by bullet and shell wounds] Ibid., pt 4, 1–321, 14 pl.—**Zen** gankyū sonsyō oyobi hen-i, ruiki sonsyō [oyobi] ganka sonsyō [Injuries to and displacement of the whole eyeball, injuries to the lacrimal apparatus [and] injuries to the orbit] Ibid., pt 1, 258; 328.

—— 1904–1905: Russo-Japanese War—Casualties and injuries: Head injuries.

Brentano. Penetrierende Schädelschüsse. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 85–8. —— Gesichtsschüsse. Ibid., 88.—**Ganmen** kotu-bu syasō [Bullet and shell wounds in the bones of the face] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 4, 32–49.—**Ganmen** syasō [Bullet and shell wounds in the face] Ibid., 1–175, 7 pl.—**Ganmen** syasō no yogo oyobi tenki [Prognosis of and outlook for bullet and shell wounds of the face] Ibid., 60–78.—**Henle.** Erkrankungen des Gesichts. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 396–400.—**Keibu** syasō [Bullet and shell wounds of the neck] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 4, 177–256.—**Mimi** syasō [Bullet and shell wounds in the ear] Ibid., pt 3, 335–406.—**Omo-naru** sentō si-syō-sya no ryakureki; tō-bu, ganmen, oyobi kei-bu no sōsyō [Brief history of the dead and the wounded in the chief engagements; wounds of the head, the face, and the neck] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tokyo, 1910, 555–74, illust.—**Tōbu** syasō [Bullet and shell wounds in the head] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) 1924, **3**: pt 3, 1–416, 48 pl.—**Tōbu** syasō; kotu syasō [Bullet and shell wounds in the bones of the head] Ibid., 35–128.

—— 1904–1905: Russo-Japanese War—casualties and injuries: Musculo-skeletal system.

Japan. Rikugun-syō. Sensyō; sisi syasō [War wounds; bullet and shell wounds in the limbs] p.1–737. 26cm. Tōkyō, 1924.

In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 7.

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Colmers. Der Wert des Röntgenverfahrens für die Behandlung der Schussbrüche im Felde. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 118–21. —— Oberarm; Unterarm. Ibid., 123. —— Fuss. Ibid., 140.—**Henle.** Weichteilerkrankungen an den Extremitäten. Ibid., 412–6.—**Omo-naru** sentō si-syō-sya no ryakureki; zyō-si no sōsyō [oyobi] ka-si no sōsyō [Brief history of the dead and the wounded in the chief engagements; wounds of the arms [and] wounds of the legs] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tōkyō, 1910, 592–630, illust.—**Sensyō**; sisi syasō ni okeru sinkei sonsyō [War wounds; nerve injury in bullet and shell wounds in the limbs] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 9, 354–7.

—— 1904–1905: Russo-Japanese War—Casualties and injuries: Nervous system.

Japan. Rikugun-syō. Sensyō; sekityū syasō [War wounds; bullet and shell wounds in the

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In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 6.

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Brentano. Nervenschüsse. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 102–5.—**Colmers.** Knochenschussverletzungen, einschliesslich Rückenmarkschüsse. Ibid., 110–41. ——— Wirbelsäule. Ibid., 128–30.—**Henle.** Verletzungen des Gehirns. Ibid., 346–50.—**Sensyō;** nō oyobi sono himaku no syasō [War wounds; bullet and shell wounds in the brain and its enveloping membranes] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 3, 128–36.—**Sensyō;** sinkei syasō; sonsyō-sinkei no kaibō-teki narabi-ni sosiki-teki henka [War wounds; bullet and shell wounds in the nerves; anatomical and histological changes in injured nerves] Ibid., pt 9, 343–73.

—— 1904–1905: Russo-Japanese War—Casualties and injuries: Weapons.

Brentano. Gewehrschusswunden. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 65–9. ——— Schrapnellkugelwunden und Verletzungen durch Granatsplitter. Ibid., 69–71. ——— Verwundungen durch Chungusenflinten und Handgranaten. Ibid., 71–4.—**Henle.** Zur Diagnose und Behandlung der steckengebliebenen Projektile, Blindschüsse. Ibid., 417–24.—**Hōsō** gairon; sya-kyori oyobi haretu kyori [General remarks on shell wounds; the range and the length of burst] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 2, 205; 241.—**Sensyō; kaitatu-dan sō, baku-syō, hakuhei-sō** [oyobi] **tōseki-sō** [War wounds; wounds caused by flying objects, from explosions, inflicted by cold steel [and] by cast stones] Ibid., pt 10, 1–163, 18 pl.—**Sensyō sōron;** teki-gun no siyō-sesi buki [Summary of war wounds; weapons used by the enemy] Ibid., pt 1, 1–156.—**Syasō tōkei; zen sisyō-sya** [Statistics on bullet and shell wounds; total number of casualties] Ibid., pt 2, 1; 11.—**Zyūsō gairon** [General remarks on bullet wounds] Ibid., 25–204, 9 pl.

—— 1904–1905: Russo-Japanese War—Diseases.

Japan. Rikugun. Meizi 37–38 nen sen-eki Hirosima yobi-byōin kanzya narabi-ni gyōmu tōkei-hyō [Tables of statistics on the patients and the business of the Hirosima General Hospital during the War of 1904–05] 236p. 25cm. n. p., 1906 [?]

Japan. Rikugun-syō. Meizi 37–38 nen sen-eki rikugun eisei si. v.**5**, pts 1–4: Densenbyō oyobi syuyō sikkan [Infectious and other diseases] 4v. 26cm. Tōkyō, 1924.

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Seaman, L. L. Shall disease triumph in our Army? p.228–50; 291p. 19cm. N. Y., 1906 [?]

Henle. Erkrankungen des Brustkorbes und seines Inhaltes, In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 401–7. ——— Erkrankungen des Bauches. Ibid., 407–12.—**Jakobson, L. A.** O primenenii predokhranitelnykh brjuśnotifoznykh privivok na teatre voennykh dejstvij. Russ. vrach, 1905, **4**: 1617.—**Schütze.** Uebersicht über die behandelten Krankheiten. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 169–72. ——— Dysenterie. Ibid., 176–93. ——— Fleckfieber, Typhus exanthematicus. Ibid., 193–8. ——— Skorbut; Paratyphus; Typhus abdominalis. Ibid., 200–7. ——— Arznei- und Ernährungstherapie. Ibid., 225–7. ——— Beitrag zur prophylaktischen Typhusimpfung. Ibid., 228–47. ——— Uebersicht über die im Lazarett ausgeführten Typhusschutzimpfungen. Ibid., 233–45. ——— Krankengeschichten. Ibid., 248–318.—**Shumkov, G. E.** Nevrozy vojny; nabljudenija v russko-japonskuju vojnu. J. nevropat. psikhiat., Moskva, 1906, **6**: 1180–99. ——— O procente nervnykh bolnykh vo vremja vojny na Dalnem Vostoke. Vrach. gaz., 1906, **13**: 851; 872.—**Stanilovsky, L. M.** Vopros o travmatićeskom nevroze na vojne. Tr. Vrem. med. obshch. Daln. Vost., Kharbin, 1906, **2**: 146–60.—**Syusseibutai** Kankoku, Sinkoku [oyobi] Karahuto nyūin kanzya byōmei-betu [tab.] [Classification by disease names of the soldiers of the expeditionary forces hospitalized in Korea, in China [and] in Saghalien] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **2**: 10–23.—**Syusseibutai** nyūin kanzya; sibō, byōmei oyobi dantai-betu [narabi-ni] heisyu-betu [tab.] [Hospitalized soldiers of the expeditionary forces; classification by disease name, and the number of sick and dead, in each unit [and] in each branch of the service] Ibid., 24–41.—**Taiwan** syubitai sō-kanzya byōmei-betu [tab.] [Total number of patients in the garrisons in Formosa classified by name of disease] Ibid., 106.

—— 1904–1905: Russo-Japanese War—Medical organization and service.

Japan. Rikugun. Meizi 37–38 nen sen-eki Hirosima yobi-byōin kentiku-zu narabi-ni kaisei iken zu [Construction plans, and plans for suggested improvements in the Hirosima General Hospital during the War of 1904–05] 40 plan. 25cm. [n. p., after 1905]

—— Meizi 37–38 nen sen-eki Hirosima yobi-byōin gyōmu hōkoku. Zenpen [Report of the Hirosima General Hospital during the War of 1904–05] 415p. 25cm. [n. p.] 1907.

Japan. Rikugun-syō. Meizi 37–38 nen sen-eki rikugun eisei si. v.**6**, Eisei zairyō [Medical and sanitary supplies] 178p. 26cm. Tōkyō, 1924.

Avgustovsky, N. J. Oćerk sanitarno-medicinskoj służby na eskadrennom bronenosce Peresvet v Russko-Japonskuju vojnu, 1904–05 g. Med. pribav. morsk. sborn., 1909, 267–88.—**Bologovskoj, V.** Sanitarnaja służba na krejsere 1-go ranga Rossija v Russko-Japonskuju vojnu 1904–05 g. Ibid., 1910, 133–41.—**Colmers.** Das Röntgenkabinett. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 40–6.—**Eisei** zairyō [Medical stores] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **6**: 1–178.—**Eisei** zairyō hokyū sūryō [tab.] [Amount of medical supplies] Ibid., **2**: 209–55.—**Eleonsky, A. A.** Uslovija vraćebnoj pomośći ranenym v kavalerijskom otrjade general-adjutanta Miśćenko vo vremja nabega na Inkou. Voen. med. J., S. Peterb., 1910, **229**: Med. spec. pt, 255–76.—**Hohei** [oyobi] hōhei ikyū naiyō-hin hyō [tab.] [Contents of medical kits for the infantry [and] for the artillery] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **6**: 89–94.—**Hōtaizyo** syōhi eisei zairyō [tab.] [Medical supplies used in dressing stations] Ibid., **2**: 303–15.—**Kaku-gun** no eisei zairyō hozyū [Medical supply to all the armies] Ibid., **6**: 48–71.—**Kimmle.** Die Hilfstätigkeit der Deutschen Vereine vom Roten Kreuz während des Russisch-Japanischen Krieges 1904–1905. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, p. xi–xxxi.—**Krendel, I. S.** Sanitarnaja służba na peredovykh pozicijakh; oćerki iz Russko-Japonskoj vojny. Voen. med. J., S. Peterb., 1910, **229**: Med. spec. pt, 554–74.—**Mansyū-gun** sōko [Warehouses of the Manchurian Army] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **6**: 33–47.—**Mansyū-gun** sōko hokyū eisei zairyō [tab.] [Medical stores in the warehouses of the Manchurian Army] Ibid., **2**: 381–421.—**Rapport** officiel sur l'organisation et le fonctionnement du Service de santé dans la marine japonaise, pendant la guerre russo-japonaise. Arch. méd. nav., Par., 1911, **96**: 81; passim.—**Semeka, S.** Medicina voennaja; Russko-japonskaja vojna 1904–05gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 847–63. ——— Voennaja medicina posle russko-japonskoj vojny 1904–05gg. Ibid., 863–9.—**Sen-eki** ni zyūzi-sesi gun-i buin [The medical staff during campaigns] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tōkyō, 1910, 53–5.—**Tōei** zairyō iti tan-i naiyō-hin hyō [oyobi] densenbyō-yō tokubetu zyunbi eisei zairyō [tab.] [Contents of a set of medical materials for winter quarters [and] a set of medical materials specially prepared for infectious diseases] In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **6**: 148–61.

—— 1904–1905: Russo-Japanese War—Port Arthur.

GJUBBENET, V. B. V osaźdennom Port-Arture; oćerki voenno-sanitarnago dela i zametki po polevoj khirurgii. 406p. 8° S. Peterb., 1910.

Kaku sentō to si-syō-sya narabi-ni kyūgo no gaiyō: Ryozyun-kō dai-itizi kōgeki [oyobi] heisoku; Ryozyun-kō teisatu oyobi hūsa kinmu-tyū syō-zesi sentō sōsyō [Various engagements, and a summary of the dead and wounded, and of emergency measures; the first attack on and the blocking-up of Port Arthur; battle wounds received during reconnaissance and the blocking-up of Port Arthur] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tōkyō, 1910, 363–82.—**McLoughlin, G. S.** In besieged Port Arthur. J. R. Army M. Corps, 1911, **16**: 667–80.—**Sizemsky, V. V.** Oćerki vraćebnago i khirurgićeskago dela v Port-Arture vo vremja Russko-Japonskoj vojny. Voen. med. J., S. Peterb., 1908, **222**: Med. spec. pt, 218; 417; 600.—**Steiner, J.** Der Sanitätsdienst im Kampfe um Port Artur 1904–05. Militärarzt, Wien, 1908, **42**: 182–90.

—— 1904–1905: Russo-Japanese War—Sanitation.

HOFF, J. V. R. Report on the military sanitation of the Russian Armies in the Far East, 1905. 269 l. 33cm. Wash., 1905.

JAPAN. KAIGUN IMU-KYOKU. Sen-eki ni okeru eisei zyōkyō [Sanitary conditions during battle] p.239–61. 26cm. Tōkyō, 1910.

In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tōkyō, 1910.

CONTENTS

p.239–44: Preparations for departure and a survey of sanitation in the squadron before the start of battle.
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—— Syussei kantai no eisei gaikyō [A survey of fleet sanitation] p.265–361. 26cm. Tōkyō, 1910.

In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tōkyō, 1910.

CONTENTS

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p.300–6: Conditions of labor, sleep, and bathing, and methods of inspiring morale and of giving spiritual comfort to the troops.
p.306–22: Quarantine.
p.322–61: Health conditions among the troops.

JAPAN. KAIGUN-SYŌ IMU-KYOKU. Niti-Ro sen-eki kaigun eisei-si [History of sanitation in the Navy during the Russo-Japanese War] 630p. 27cm. Tōkyō, 1910.

JAPAN. RIKUGUN-SYŌ. Meizi 37–38 nen sen-eki ken-eki si [Record of quarantine during the War of 1904–05] 2v. [v. p.] 26cm. Tokyo, 1907.

—— Sensyō sōron [Summary of war wounds] p.329–453. 26cm. Tōkyō, 1924.

In: Meizi 37–38 nen sen-eki rikugun eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3**: pt 1.

CONTENTS

p.329–35: Relief and first dressings at the front.
p.335–47: Treatment at the temporary dressing stations.
p.358–63: Treatment at the dressing stations.
p.363–74: Treatment at the field hospitals.
p.375–404: Suggestions for treatment of the wounded at the front and in the second line.
p.404–12: Treatment in hospitals at relay points.
p.412–32: Operating rooms in the battle zone.
p.432–53: Treatment in general hospitals.

Brentano. Badeeinrichtung. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 23–6.—**Eisei** no sisetu oyobi omonaru tiryō kikan [Sanitary equipment and the most important facilities for medical treatment] In: Niti-Ro sen-eki kaigun eisei-si (Kaigun imu-kyoku) Tōkyō, 1910, 1–238.—**Senzi** eisei no hōsin: sōsetu; bōeki; ryōsyoku, inryō-sui, oyobi hihuku [Policies of wartime sanitation: summary; quarantine; food, drinking water, and clothing] Ibid., 24–53.—**Yasui, H.** Niti-ro-sen ni okeru Liao-tung heitan eisei gyōmu no kaiko [Recollections of conditions of sanitation of the commissary department in Liao-tung during the Russo-Japanese War] Gun idan zassi, 1930, 311–26.

—— 1904–1905: Russo-Japanese War—Transportation and evacuation.

Krechunesko, K. Uslovija dlja pomeśćenija bolnykh i ranenykh na eskadr. bron. Peresvet. Med. pribav. morsk. sborn., 1904, pt 2, 127; 189.—**Nikolsky, V. M.** Sbornyj punkt evakuacionnoj komissii. Voen. med. J., S. Peterb., 1909, **224**: Med. spec. pt, 79–90.—**Potiralovsky, P. P.** Evakuacija v sovremennuju vojnu. Ibid., 1908, **221**: Med. spec. pt, 698; **222**: Med. spec. pt, 47.—**Sitai** no syoti [Disposal of corpses] In: Niti-Ro sen-eki kaigun eisei-si (Japan. Kaigun imu-kyoku) Tōkyō, 1910, 486.—**Syō-byō-sya** syūyō no zyunbi keikaku [Plans for the reception of injured and sick] Ibid., 19.—**Syō-sya** unpan [Transportation of the wounded] Ibid., 439–50, illust., 2 pl., ch.—**Zoege Manteuffel, V. G.** Ob evakuacii ranenykh v russko-japonskuju vojnu i ob evakuacii po eshelonam. Khir. Arkh. Veljaminova, 1910, **26**: 1012–21.

—— 1904–1907: Southwest African Campaign [of Germany]

Franz. Die militärischen und sozialen Folgen der Weichteilschussverletzungen des südwestafrikanischen Feldzuges 1904 bis 1907. In: Schjerning Festschr., Berl., 1913, 68–78.—**Gruner.** Südwestafrikanische Feldzugserinnerungen eines Militärarztes aus den Jahren 1904–06. Deut. med. Wschr., 1936, **62**: 1566; 1605.—**Talayrach.** Compte-rendu sanitaire du corps expéditionnaire de la marine dans le Sud-Ouest africain-allemand (1904–05) Arch. méd. pharm. mil., 1909, **53**: 440–7.—**Zöllner, F.** Der Skorbut während des Aufstandes in Deutsch-Südwestafrika 1904–07. Arch. Schiffs Tropenhyg., 1938, **42**: 27; 75. ——— Südwestafrikanische Feldzugserinnerungen eines Militärarztes aus den Jahren 1904 bis 1906. Deut. med. Wschr., 1938, **64**: 23; passim.

—— 1906: French-Indochinese affairs.

Olivier. Les flottilles de torpilleurs de Cochinchine en 1906. Arch. méd. nav., Par., 1907, **88**: 93–106.

—— 1906–08: American occupation of Cuba.

Birmingham, H. P. Typhoid fever in the Army of Cuban Pacification. Mil. Surgeon, 1907, **20**: 427–58.

—— 1911: Spanish Morocco.

Lazo García, S. La medicina militar española en El Rif. Prog. clín., Madr., 1913, **2**: 193–248, 4 pl.

—— 1911–1913: Italo-Turkish War.

D'Abundo, G. Turbe neuro-psichiche consecutive alle commozioni della guerra Italo-Turca. Riv. ital. neuropat., 1912, **5**: 257-85.—**Goebel.** Kriegschirurgische Erfahrungen auf der Tripolis-Expedition des Deutschen Rothen Kreuzes. Verh. Deut. Ges. Chir., 1913, **42**: 2. T., 194–202. Also Deut. med. Wschr.,1913, **39**: 774. Also Italian transl., Ann. med. nav., Roma, 1913, **19**: pt 2, 504–9.—**Gorrieri, A.** Contributo allo studio delle turbe neuro-psichiche dovute ad emozioni durante la guerra Italo-Turca. Rass. stud. psichiat., 1913, **3**: 397–407.—**Salinari, S.** Insegnamenti chirurgici ricavati dalle ultime guerre e specialmente da quella italo-turca. Gior. med. mil. 1914, **62**: 243–84.

—— 1911–1926: Chinese civil wars.

Thomson, J. O. Military surgery in South China; gunshot wounds. China M. J., 1926, **40**: 328–43.

—— Oct. 1912–May 1913: First Balkan War.

See also **Ambulance service,** History.

Adam. Balkankrieg und Belgisches Kriegssanitätswesen. Deut. mil. ärztl. Zschr., 1913, **42**: 505–10.—**Bach, V.** Lékařské zkušenosti z války Balkánské. Nové zdravř, 1913, **1**: 9–15. Also Zdraví lidu, 1913, **6**: 7–13.—**Bienfait.** Echos de la guerre des Balkans. Gaz. méd. belge, 1913–14, **26**: 85.—**Boardman, M. T.** The Balkan war. Am. Red Cross Bull., 1913, **8**: 5–16.—**Borovikov, I. V.** Otgoloski Balkanskij vojny 1912 goda v psikhiatrićeskom otdelenii pri Riźskom voennom hospitale. Voen. med. J., S. Peterb., 1913, **238**: Med. spec. pt, 561–72.—**Cawadias, A.** Avec l'Armée grecque en Macédonie, la route de la bataille. Paris méd., 1912–13, **12**: Suppl., 987–9.—**Cousergue.** La radiologie en campagne et au cours de la guerre des Balkans. Ibid., 1914, **14**: Suppl., 205–11.—**Düring, E. v.** Von Kriegschauplatz in Montenegro. Münch. med. Wschr., 1913, **60**: 926.—**Ferrière.** L'assistance aux prisonniers dans la guerre des Balkans; visite à l'Agence internationale, aux Croix-Rouges serbe et grecque et au Croissant-Rouge. Bull. internat. Soc. Croix Rouge, 1913, **44**: 200–12.—**Ford, C. S.** Red Cross problems in time of war; suggested by experience in the Balkan Wars. N. York M. J., 1915, **101**: 1099–107, illust.—**Frisch & Clairmont, H.** Erfahrungen und Erlebnisse aus dem Balkankriegc. Berl. Klin. Wschr., 1913, **50**: 468. Also Wien. med. Wschr., 1913, **63**: 461–3.—**Geissler,** Aus dem Balkankriege. Rotes Kreuz, Berl., 1913, **31**: 615; 644.—**H., H. R.** The war: some facts and some impressions.

Middlesex Hosp. J., Lond., 1912–13, **16:** 159; 190.—**Hijmans, F.** Ervaringen mit den Balkanoorlog. Nederl. tschr. geneesk., 1913, **2:** 596–606.—**Kraus & Heinz.** Erfahrungen und Erlebnisse aus dem Balkankriege. Berl. klin. Wschr., 1913, **50:** 521.—**Laurent, O.** Notes sur la guerre balkanique. Scalpel, Liége, 1913–14, **66:** 577–80.—**Legrand.** Les premiers enseignements de la guerre balkanique. Caducée, Par., 1913, **13:** 33.—**Marval, de.** La guerre des Balkans. Bull. internat. Soc. Croix Rouge, 1913, **44:** 136–45.—**Meulengracht, E.** Brev fra Serbien; kriegens sygdomme. Ugeskr. laeger, 1912, **74:** 1972–5.—**Pantoli, F.** Appunti di tecnica radiologica in guerra; campagna del Montenegro: ottobre 1912–maggio 1913. Radiol. med., Tor., 1914, **1:** 481–91.—**Pasteur Vallĕry-Radot.** La guerre des Balkans; impressions de Constantinople. Hygiène, Par., 1913, **4:** No. 41, 4–8.—**Pfann, J.** Katonaorvosi tapasztalások a balkáni háborúból. Honvédorvos, 1913, **26:** 21; passim.—**Quanjer.** Van den Balkanoorlog. Mil. geneesk. tschr., 1913, **17:** 51–3.—**Romeyn, J. A.** De eerste lessen van den Balkanoorlog. Ibid., 54–8.—**Steiner, Tintner, & Denk.** Erfahrungen und Erlebnisse aus dem Balkankriege. Berl. klin. Wschr., 1913, **50:** 569.—**Veras, S.** Quatre mois au Monténégro pendant la guerre des Balkans. Arch méd. pharm. mil., Par., 1913, **61:** 522–37.—**Voerman, P. A.** Uit den Balkan oorlog. Mil. geneesk. tschr., 1913, **17:** 59–67.—**Wenning, T.** News from the front [Balkan War] Lancet Clinic, Cincin., 1913, **33:** 542.—**Wieting, J. P.** Vom türkischen Kriegsschauplatz. Deut. med. Wschr., 1913, **39:** 31; 126; 174.

—— Oct. 1912–May 1913: First Balkan War—Casualties and injuries.

Alder, A. Etappenspitalerfahrungen in Dimotika (türkisch-bulgarischer Krieg) p.499–557. 22½cm. Lpz., 1915.

Deut. Zschr. Chir., 1915, **133:**

Nigrisoli, B. Osservazioni e pratica di chirurgia di guerra; campagna del Montenegro contro la Turchia (1912–13) e notizie ed impressioni sui primi feriti della guerra nostra contro l'Austria (Maggio-Luglio, 1915) 134p. 8°. Bologna, 1915.

Stierlin, E., & Vischer, A. L. Chirurgische Beobachtungen auf allen Etappen im serbisch-türkischen Kriege 1912–13. p.311–74. 23cm. Lpz., 1914.

Deut. Zschr. Chir., 1914, **131:**

Coenen. Kriegschirurgische Erfahrungen während des Balkankrieges in Athen. Deut. med. Wschr., 1913, **39:** 774.—**Delorme.** Enseignements de la guerre de Thrace; des blessures de guerre. Rev. thér. méd. chir., Par., 1913, **80:** 297–300.—**Exner, A.** Kriegschirurgische Erfahrungen aus Bulgarien. Wien. klin. Wschr., 1913, **26:** 203–5.—**Fraenkel, A.** Kriegschirurgische Eindrücke und Beobachtungen vom Balkankriege. Ibid., 210–5.—**Frisch, O. v.** Kriegschirurgische Erfahrungen aus Sofia. Ibid., 206–9.—**Heinz, O.** Kriegschirurgische Erfahrungen vom montenegrinisch-türkischen Kriegsschauplatz. Ibid., 413–7.—**Heyrovsky, H.** Chirurgische Erfahrungen aus dem bulgarisch-türkischen Krieg. Ibid., 205.—**Jacobson, S. A.** [Surgical reminiscences from the Balkan war] Nov. khir. arkh., 1939, **43:** 7–12.—**Kallionzis.** Chirurgie de guerre; notes préliminaires sur les blessés de la guerre gréco-turque. Bull. Soc. chir. Paris, 1913, n. ser., **38:** 762–6. —— Ὀλίγα τινὰ περὶ τῶν τραυματιῶν τοῦ Ἑλληνοτουρκικοῦ πολεμου, (1912–13) Ἰατρικὴ πρόοδος, 1913, **18:** 137–9.—**Le Fort, R.** Remarques et observations sur l'évacuation des blessés serbes et bulgares pendant la guerre des Balkans. Bull. Soc. méd. mil. fr., 1913, **7:** 127–37. —— Une visite en Serbie et en Bulgarie aux blessés de la guerre des Balkans. Bull. Soc. méd. Nord, Lille, (1913) 1914, 6–18.—**Lucas-Championnière, J. M.** Lettre de Constantinople [blessés de Tchataldja] J. méd. chir., Par., 1912, **63:** 1001–5.—**Makai, E.** Tapasztalatok a hadi sebészet köréből. Sebészet, 1913, 7–9.—**Monprofit.** La chirurgie dans la guerre des Balkans. Bull. Acad. méd., Par., 1913, 3. ser., **69:** 153–67. Also Gaz. méd. Paris, 1913, **84:** 85. Also Ἰατρικὴ πρόοδος, 1913, **18:** 73–7.—**Mühsam, R.** Die Gehirn-Rückenmark- und Nervenverletzungen im Deutschen Rothen Kreuz-Lazarett in Belgrad. Arch. klin. Chir., 1913, **101:** 742–51. Also Verh. Deut. Ges. Chir., 1913, **42:** 2. Teil, 114–23; Disk., 1. Teil, 231–3. —— Chirurgische Erfahrungen im Roten Kreuz-Lazarett zu Belgrad. Berl. klin. Wschr., 1913, **50:** 462. Also Deut. med. Wschr., 1913, **39:** 596–600.—X., X. Las enseñanzas quirúrgicas de la guerra de los Balkanes. Rev. méd. farm., S. Salvador, 1913, **9:** No. 4, 19–23.

—— Oct. 1912–May 1913: First Balkan War—Medical organization and service.

Kutinćev, S. Sanitarnata služba Cervenijat krest i balkanskata vojna. 250p. 8°. Sofia, 1914.

Clairmont. Bericht an die Oesterreichische Gesellschaft vom Roten Kreuz über die Mission nach Bulgarien. Militärarzt, Wien, 1913, **47:** 130–42.—**Durham, M. E.** War work in Podgoritza, 1912–13. Mag. Lond. School M. Women, 1914, **9:** 103; 140.—**Heuyer.** Un hôpital auxiliaire à Philippopoli. Caducée, Par., 1913, **13:** 104–8.—**Hovorka, J.** Několik poznámek o působení videňské hygienickobakteriologické komise na bojišti bulgarsko-tureckém v prosinci roku 1912. Lék. rozhledy, 1913, n. ř., **2:** 129–33.—**Leko, T. M.** O radu jednog pukovskog previjališta koje je funkcionisalo pod relativno povoljnim okolnostima; prilog istoriji srpskog saniteta za vreme Balkanskog rata 1912–13 god. Srpski arh. za celok. lek., 1913, **19:** 265–82, map.—**Levin, L. M.** Zametki o dejatelnosti Evropejskikh hospitalej missii Krasnago Kresta i Polumesjaca vo vremja Balkanskoj vojny. Morsk. vrach, S. Peterb., 1913, 191–217.—**Lotsch.** Das Kriegssanitätswesen der bulgarischen Armee im Feldzug gegen die Türkei 1912-13. Deut. mil. ärztl. Zschr., 1913, **42:** 322–39.—**Pfann, J.** Feljegyzések a magyar vöröskereszt szófiai kórházából. Budapesti orv. ujs., 1913, **11:** 205–14.—**Potpeschnigg, K.** Aus dem k. k. Seelazarett [in Triest] Wien. klin. Wschr., 1913, **26:** 795–8.—**Reverdin, A.** L'activité de l'ambulance Vaud-Genève pendant la guerre gréco-turque. Rev. méd. Suisse rom., 1914, **34:** 657–76, 6 pl.—**Rietz, T.** På krigskådeplats och hemortssjukhus i Grekland. Tskr. mil. hälsov., 1913, **38:** 140; 232.—**Rote** (Das) Kreuz im Balkankriege. Rotes Kreuz, Berl., 1913, **31:** 579.—**Stürup, J.** Fra serbiske Krigslazaretter. Hospitalstidende, 1913, 5. R., **6:** 1458–64.—**Svechnikov, I. N.** Dejatelnost Russkoj bolnicy v pamjat Velikoj Knjagini Alexandry Georgievny, korolevy Grećeskoj v g. Piree vo vremja balkano-tureckoj vojny 1912–13 g. g. Morsk. vrach. S. Peterb., 1913, 657–75.—**Willems, C.** L'ambulance gantoise en Serbie; notes de chirurgie de guerre. Bull. Acad. méd. Belgique, 1913, 4. ser., **27:** 279–306. Also J. méd. Bruxelles, 1913, **18:** Suppl., 61.—**Zlatarov, A.** Khigienićnata okhrana na I i III armii prez pervija period na balkanskata vojna. Sovrem. Khig., Sofia, 1912, **6:** 272–82.

—— 1913: Siege of Adrianople.

Müllern, K. v. Eindrücke und sanitäre Erfahrungen aus Adrianopel vom Standpunkte des Internisten. Militärarzt, Wien, 1914, **48:** 233; 262. —— Sanitäre Verhaltnisse in Adrianopel nach dem Falle der Stadt. Mil. med. & ärztl. Kriegswiss., Wien, 1914, 245–7.

—— (July–Sept.) 1913: Second Balkan War.

See also **Ambulance service,** History.

Nikolic, D. J. Наш војни санитет у последњим ратовима. p.196–247. 25cm. Beogr., 1914.

Srpski arh. za celok. lek., 1914, **20:** Disc., 261–76.

Lukowicz, J. P. *Ueber einige im II. Balkankriege 1913 mit der Behandlung von Thoraxschüssen gemachte Erfahrungen. 29p. 8°. Berl., 1914.

Behan, R. J. Surgical experiences during the last Servian Bulgarian war. N. York M. J., 1913, **98:** 905–7.—**Budisavljevic, J., Pfanner & Saar.** Pod Crvenim križem; liječnička iskustva iz drugog balkanskog rata. Liječ. vjes., 1914, **36:** 382; 432.—**Florschütz, V.** Iskustva iz ratne bolnice; 29. rezervna bolnica u Beogradu za vrijeme srpsko-bugarskog rata god. 1913. Ibid., 1–14.—**Ford, C. S.** Some medico-military observations in the late Balkan wars. N. York M. J., 1915, **101:** 52–8.—**Friedrich.** Aus den griechischen Kriegslazaretten zu Saloniki und Athen am Ausgang des zweiten Balkankrieges. Münch. med. Wschr., 1913, **60:** 2497–9. Also Deut. med. Wschr., 1914, **40:** 99.—**Gerulanos.** Beobachtungen über Kriegsverletzungen an peripheren Nerven im Balkankrieg. Verh. Deut. Ges. Chir., 1914, **43:** 1. Teil, 197–201.—**Gullström, A.** [A report of the expedition of the Swedish ambulance in Greece during the second Balkan war] Tskr. mil. hälsov., 1914, **39:** 44–72.—**Kaiser.** Ueber Erfahrungen in serbischen Kriegslazaretten. Münch. med. Wschr., 1914, **61:** 446.—**Kirschner.** Kriegschirurgische Erfahrungen vom Balkankriegsschauplatze. Deut. med. Wschr., 1914, **40:** 99.—**Military** surgery in the Balkans. J. Am. M. Ass., 1914, **63:** 405.—**Steiner.** Feldärztliche Erfahrungen aus dem Balkankriege. Militärarzt, Wien, 1914, **48:** 52.—**Svečnikov, I. N.** Dejatelnost russkoj bolnicy v pamjat Velikoj Knjagini Alexandry Georgievny v Piree v bolgaro-greko-serbskuju vojnu 1913 goda. Morsk. vrach. S. Peterb., 1913, 722–32.—**Weiss, T.** Enseñanza de la guerra de los Balkanes desde el punto de vista del funcionamiento del servicio de sanidad. Rev. san. mil., B. Air., 1915, **14:** 49; 136.—**Yoosuf, A. K.** Surgery in modern warfare. N. York M. J., 1914, **99:** 1128–35.

—— 1913: Tripoli.

See under subheading (1911–1913: Italo-Turkish War)

—— 1914–1915: Mexican Expedition [of U. S.]

Bowles, J. T. B. Sanitation of the City of Vera Cruz, Mexico, and Army camps during occupation of United States expeditionary forces. Am. J. Pub. Health, 1915, **5:** 119–33.—**Pickett, S. E.** Mexican border service. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 348.

—— 1914–1918: World War I.

See as separate main heading under **World War I.**

—— 1915 (etc.) Occupation of Haiti.

Finley, L. B. With the Gendarmerie d'Haiti. U. S. Nav. M. Bull., 1919, Suppl. No. 11, 38–41, 4 pl.

—— 1917–1920: Russian Civil War.

Barsukov, M., Komissarov, M. [et al.] Graždanskaja vojna i organizacija medicinskogo obespečenija Krasnoj Armii i Flota, 1918–20gg. p.195–248. tab. ch. 26½cm. Moskva, 1946–48.
In: Encikl. slovar voen. med., Moskva, 1946–48, **2:** 195–248.

Barsukov, M. Kratkij obzor važnejšikh sobytij graždanskoj vojny i inostrannoj intervencii, 1918–20gg. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 195–200. ——— Organizacionnaja struktura medicinskoj služby Krasnoj Armii na fronte, 1918–20gg. Ibid., 203–6. ——— Graždanskaja vojna; medicinskie kadry; lečebno-evakuacionnoe obespečenie. Ibid., 206–21. ——— Sanitarnoe sostojanie Krasnoj Armii i borba protiv epidemii; sanitarnoe prosveščenie. Ibid., 221–7. ——— Političeskoe vospitanie v medicinskikh učreždenijakh fronta. Ibid., 227. ——— Sovetskaja obščestvennost i ee pomošč bolnym i ranenym. Ibid., 229.—**Chudinov, I. G.** Podgotovka pedagogov fizičeskoj kultury v gody graždanskoj vojny. Teor. prakt. fiz. kult., Moskva, 1947, **10:** 521–6.—**Jankelevitch, S.** Les facteurs psychologiques de la révolution russe. Scientia, Bologna, 1918, **24:** 2. ser., 33–42.—**Komissarov, M., Virtuozov, M.** [et al.] Medicinskoe obespečenie flota v graždanskoj vojne. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 232–47.—**Marcou.** Comment les médecins ont préparé la révolution en Russie. Chron. méd., Par., 1917, **24:** 131–3.—**Marx, H.** Aerztliche Gedanken zur Revolution. Berl. klin. Wschr., 1919, **56:** 279.—**R., E.** La rivoluzione Russa nei ricordi di un profugo. Riv. psicol., 1925, **21:** 96–105.—**Smester.** Le rôle des médecins dans la révolution russe. Chron. méd., Par., 1917, **24:** 246.—**Sysin, A. N.** Sanitarnoe delo; revoljucija 1917g. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 63. ——— Leninskij dekret o sozdanii narodnogo komissariata zdravookhranenija; gody graždanskoj vojny. Ibid., 64–7.

—— 1917–1920: Russian Civil War—Wrangel's Army.

Hutton, I. G. E. Ghevgeli and the retreat from Serbia. In her Woman's Unit in Serbia, &c., Lond., 1928, 41–56. ——— Ostrovo. Ibid., 134–41. ——— Vranja; typhus. Ibid., 172–87, pl. ——— Belgrade. Ibid., 212–27, 2 pl. ——— Sebastopol; the Crimea; the evacuation of the Crimea; the Russian invasion of Constantinople. Ibid., 238–79.

—— 1918–1922: Siberian Expedition [Japan]

Japan. Rikugun-syō. Siberia syuppei eisei si. v.**6:** Kyokutō Ro-Ryō oyobi Kita Mansyū eisei zyōkyō [Medical conditions in the Far Eastern Russian provinces and in Northern Manchuria] 370p. 26cm. Tōkyō, 1924 [?]

Araki, K. Tōketu narabi-ni tai-kan siken [Experiments in freezing and in resistance to cold] In: Siberia syuppei eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **3:** Suppl., 32–44, pl.—**Isii, G.** Hyō-zyō tūka ni kan-suru kenkyū [Studies on crossing on ice] Ibid., **6:** 366–8.—**Kaku** tosi no gaikyō: enkai syū; Heilung-syū; Kō-Baikal-syū; Kita Mansyū [General survey of cities: in the coastal provinces; in Amur Soviet; in Transbaikalia; in North Manchuria] Ibid., 11–47.—**Kantō** Rikugun sōko (zai: Ryozyun) [Warehouses of the Kwantung Army, located in Port Arthur] Ibid., **3:** 27–38.—**Kisyō** [Weather, in the various provinces] Ibid., **6:** 47–72, 15 map., 16 tab., ch.—**Kosino, T., & Okamoto, E.** Senti butai; tōketu siken seiseki [Units at the front; results of experiments in freezing] Ibid., **3:** Suppl., 21–30.—**Naiti** butai; Hirosima rikugun hihuku sisyō, Uzina syuttyōsyo [Units in the homeland; Hirosima Branch Military Clothing Depôt, Uzina agency] Ibid., 218–20; Suppl., 77, 2 map.—**Ogata, K.** Yakubutu tōketu ondo siken seiseki [Results in experiments on the freezing temperature of drugs] Ibid., Suppl., 45–52.—**Rikugun** ryōmatu honsyō, Turuga hasyutusyo [oyobi] Kantō rikugun sōko [The central provision depôt of the army, Tsuruga agency [and] warehouses of the Kwantung Army] Ibid., 78–82.—**Senti** butai [Units at the front] Ibid., 41; Suppl., 6.—**Tyōsen** Gun sōko [Warehouses of the Korean Army] Ibid., 39.—**Uda, H.** Senti butai; tōhetu siken [Units at the front; experiments on freezing] Ibid., 160.—**Vladivostok** Haken-gun sōko [Warehouses of the Vladivostok Expeditionary Force] Ibid., 100; Suppl., 6.

—— 1918–1922: Siberian Expedition—Casualties and diseases.

Japan. Rikugun-syō. Siberia syuppei eisei si. 3.–6. kan [Medical history of the Siberian Expedition] 4v. in 5. 26cm. Tōkyō, 1924 [?]

—— Siberia syuppei eisei si. 4. kan, hu: Sensyō, senbyō, oyobi Kyokutō Ro-ryō eisei zyōkyō [v.4, Suppl.: War wounds, diseases, and medical conditions in the Far Eastern Russian provinces] 209p. 26cm. Tōkyō, 1924 [?]

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Katō, Z. Gasoline nensyō gasu tyūdoku dōbutu siken [Animal experiments on poisoning with the gases of combustion of gasoline] In: Siberia syuppei eisei si (Japan. Rikugun-syō) Tōkyō, 1924, **6:** 369.—**Oda, T., & Murakami, Y.** Tihō densenbyō no zyōkyō; pest [Local surveys of infectious disease; pest] Ibid., 269–92, illust., 2 map.—**Tomioka, Y., & Kasuga, K.** Tihō densenbyō no zyōkyō; tōsō, kaiki-netu, sekiri [oyobi] hassin-typhus [Local surveys of infectious disease; smallpox, relapsing fever, dysentery [and] exanthematous typhus] Ibid., 251–67, 3 ch.

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—— 1918–1922: Vladivostok Expedition [Japan]

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—— 1923–1925: French Indian Campaign.

Le Bourgo. Notes médicales recueillies pendant la campagne de la Bellatrix dans l'Océan Indien (1923–25) Arch. méd. pharm. nav., 1926, **116**: 197–209.

—— 1925–1926: French Morocco.

Lacaze, H. P. Les blessures par balle au Maroc et leur traitement. Arch. méd. pharm. mil., 1928, **88**: 685–720, map.—**Osten-Saken, E. J.** [Summary of French surgical activity at the front during the Morocco colonial war] Voen. med. J., Moskva, 1930, **1**: 117–23.

—— 1928: Nicaraguan affairs.

Cameron, S. A. Medical service in Nicaragua. Mil. Surgeon, 1932, **70**: 38–56.—**Minnick, W. T., & Townsend, F. M.** Medical difficulties encountered by combat forces operating in Northern Nicaragua. U. S. Nav. M. Bull., 1928, **26**: 884–8.

—— 1931: Manchurian Affair.

Birt, E. Kurzer Bericht über die während der letzten Unruhen im Paulun Hospital behandelten kriegschirurgischen Fälle. Tungchi med. Mschr., 1932–33, **8**: 213–21.—**Takatu, H.** Syōwa 6-nen Mansyū Zihen no tōsyō ni tuite [On the frostbites encountered in the Manchurian Affair of 1931] Arch. jap. Chir., 1932, **9**: 314–25, illust.—**Willcutts, M. D.** Treatment of the Chinese wounded at a base hospital in Peiping, China. Bull. U. S. Nav. M., 1934, **32**: 8–14, pl.

—— 1931–1934: Morocco Campaign and Anti-Atlas operation.

Mandoul, A. R. H. *Le Service de santé en campagne au Maroc; l'ambulance no. 2 pendant les opérations de l'Anti-Atlas en 1934. 83p. 25½cm. Bord., 1934.

Eisenmenger. Organisation et fonctionnement du Service vétérinaire aux opérations de l'Anti-Atlas (Maroc) en 1934. Rev. vét. mil., Par., 1935, **19**: 539–62.—**Meidinger, F. E., Demontes, R. E., & Vial, J. G. A.** Le Service de Santé au cours des opérations de police du Djebel Sagho. Rev. Serv. san. mil., Par., 1936, **105**: 751–94.—**Rey, A. M. J. H. A.** De l'utilisation d'un groupe sanitaire motorisé au Maroc, pendant les opérations qui amenèrent l'occupation du Tifilalet (hiver 1931–32) Arch. méd. pharm. mil., 1933, **98**: 611–21.

—— 1931–1937: Italo-Somalian affairs.

Annovazzi, G. Osservazioni e dati raccolti nell'ospedale da campo N. 540 in Somalia. Chir. org. movim., 1936–37, **22**: 528–35.—**Mattei, A.** Relazione sanitaria annuale (luglio 1931–giugno 1932) Ann. med. nav., Roma, 1933, **39**: pt 1, 324–46, 3 ch.—**Mennonna, G.** Del servizio di igiene e profilassi nel corpo indigeni della Somalia dopo la mobilitazione. Gior. ital. clin. trop., 1937, **1**: 178–80, pl. ——— & **De Lorenzo, L.** Osservazioni intorno all'arruolamento dei Somali. Gior. med. mil., 1937, **85**: 472–82.

—— 1932: Chitral Campaign [Pakistan]

L'Isle Sturm, M. G. de. The Chitral reliefs: 1932. J. R. Army M. Corps, 1934, **62**: 192–200.

—— 1932: Sao Paulo Revolution.

Barcellos, P. Ambulancia Mixta 2/1. Rev. med. mil., Rio, 1936, **25**: 171–9.

—— 1932–1935: Chaco War.

Fernández Miranda, E. Vitaminas y avitaminosis. p.278–360. 26½cm. Cochabamba, 1938.

In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938.

Melean, A., Mendoza, J. [et al.] La sanidad boliviana en la campaña del Chaco, 1933–34. 476p. 27cm. Cochabamba, 1938.

Vasconsellos, C. A. Guerra Paraguay-Bolivia, 15 junio, 1932–12 junio, 1935; memoria

de la sanidad en campaña, 1 mayo, 1934–12 junio, 1935. 2. ed. 152p. 25cm. Asunción, 1943.

Aparicio, A. Las fracturas diafisiarias y su cirugía inmediata. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 427–36.—**Arze Loureiro, R.** Linfogranuloma inguinal. Ibid., 390–7. ——— Contribución al estudio de la avitaminosis en el Chaco. Ibid., 398–404. ——— Enfermedades venéreas; balanopostitis y condilomas acuminatas en el Chaco. Ibid., 405–7.—**Arze Soria, E.** Servicio de oftalmología en puestos de vanguardia. Ibid., 445–9.—**Boettner, V.** Experiencia de guerra en la región del Chaco. Rev. san. mil., Asunción, 1937–38, **10:** 479–82.—**Cernadas, F.** Cuidado a enfermos y heridos evacuados al interior de la República. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 201–9.—**Darío Quíroz, J.** Fragmentos de la memoria del servicio sanitario de la Segunda división de infanteria. Rev. san. mil., Asunción, 1938–39, **12:** 903–16.—**Delgadillo, J. R.** Gangrena gascosa; técnica de su tratamiento quirúrgico. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 450–6.—**Flores, D.** Las epidemias en la guerra y su profilaxia. Ibid., 187–94.—**Gagliardone, C.** La cirugía de guerra en el Chaco boreal. América clín., 1943, **5:** 21–8.—**González, G.** Epidemiología y algunos aspectos de patología infecciosa en relación con la guerra del Chaco. Rev. san. mil., Lima, 1936, **8:** 11–38. ——— Enfermedades producidas por defectos de alimentación en la guerra del Chaco. An. Fac. cienc. méd., Asunción, 1943, **11:** 5–75.—**Hartmann, J.** Jugos vitamínicos; su preparación. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 270–2. ——— Las vitaminas; sus cualidades y obtención; resumen fácil y simplificado. Ibid., 273.—**Idoyaga, V.** Patología médico-militar del Chaco paraguayo. Bol. Inst. clin. quir., B. Air., 1928, **4:** 20–36. Also Rev. san. mil., B. Air., 1929, **28:** 104–25.—**Lindsay, J. W.** Medical services in the Chaco War. Tr. R. Soc. Trop. M. Hyg., Lond., 1934–35, **28:** 539–62.—**Medical** services in the Gran Chaco war. Brit. M. J., 1935, **1:** 552.—**Medrano, J. N.** Las vitaminas. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 266–9.—**Mejía Gandarillas, J.** Enterocolitis toxi-infecciosas. Ibid., 416–24.—**Mendoza, J.** La sanidad militar del Ejército boliviano en el Chaco. Rev. méd. Chile, 1934, **62:** 321. ——— Notas sobre geografía médica en el Chaco. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 157–65.—**Moscoso C., C.** Labor profiláctica de la sanidad militar en campaña. Ibid., 195–200.—**Orihuela, N.** Anotaciones sobre paludismo en el Chaco. Ibid., 210–26.—**Orosco, P. G.** Etiología del paludismo; lucha antipalúdica; tratamiento del paludismo. Ibid., 227–55.—**Pacheco Iturralde, R.** Causerie sobre los servicios de la sanidad militar en la guerra del Chaco. Rev. san. mil., B. Air., 1941, **40:** 696–705.—**Recalde, J. F.** La Sanidad paraguaya durante la guerra del Chaco. Rev. san. mil., Asunción, 1937–38, **10:** 595–614.—**Rodríguez, J.** Astenopía luminosa tropical; anotaciones para la sanidad militar en campaña. In: San. boliv. Camp. del Chaco (Melean, A.) Cochabamba, 1938, 440–4.—**Saavedra Nogales, A.** Beneficencia social en favor de los inválidos; pension del estado. Ibid., 166–71.—**Salinas Baldivieso, E.** Intoxicaciones. Ibid., 378–82. ——— Un caso de tétanos. Ibid., 437–9. ——— Dermo-epidermitis crónica, carachas. Ibid., 457.—**Salomón, M. I.** Notas esfigmomanométricas; insuficiencia suprarrenal. Ibid., 361–4. ——— Sistema hipófiso-diencenfálico y nefropatias. Ibid., 475.—**Sotelo, L. V.** Lucha contra el paludismo. Ibid., 256–65.—**Suárez Morales, O.** Anquilostomiasis. Ibid., 365–77. ——— Las enterocolitis del Ejército en el Chaco. Ibid., 383–9. ——— Etiología de las adenitis en la Campaña del Chaco. Ibid., 408–15. ——— El laboratorio en la Campaña del Chaco. Ibid., 459–68. ——— El paludismo. Ibid., 469. ——— Fórmula de corrección del valor globular para aplicarse en Bolivia. Ibid., 471–4.—**Suárez, R.** Higiene alimenticia; racionamiento individual base. Ibid., 275–7.—**Torres Múñoz, N.** Servicios quirúrgicos en vanguardia. Ibid., 172–86.—**Vasconsellos, C. A.** Organización del servicio sanitario en campaña durante la guerra Paraguay-Bolivia, 15 junio 1932–12 junio 1935. Actas Ciba, B. Air., 1936, 266–301, illust.

—— 1934: Asturian uprising.

Martín Lázaro, J. Los farmacéuticos militares de Asturias durante la pasada revolución de octubre. Bol. farm. mil., Madr., 1934, 12: 336–8.

—— 1935–1936: Abyssinian (Ethiopian) War.

See also **Ambulance service,** History.

Atrocità Abissine. Gior. med. mil., 1936, **84:** 393–407.—**Baha Ener** [Certain figures relative to the Italo-Etiopian war] Askerî sıhhiye mecmuası, 1935, **64:** No. 12, 96.—**Basile, V. C.** Rilievi di nosografia in territorio abissino. Ann. med. nav., Roma, 1935, **41:** 88–99.—**Castellani, A.** Lo stato sanitario delle truppe italiane nel conflitto etiopico. Gior. med. mil., 1937, **85:** 1279–97.—**Castellani** lectures on Italian-Ethiopian war. J. Am. M. Ass., 1936, **107:** 1825.—**Pérez Aranibar, E.** Las enseñanzas sanitarias de la guerra de Etiopia. Rev. san. mil., Lima, 1937, **10:** 23–30.—**Predtechensky, B. I.** O primenenii khimićeskogo oružija v Italo-Abissinskuju vojnu. Voen. san. delo, 1940, No. 8, 77–80.—**Schuppler, V.** Erfahrungen im Abessinienkrieg. Deut. Militärarzt, 1940, **5:** 497 (Abstr.)—**Steuber.** Italien-Abessinien; sind europäische Truppen im tropischen Kolonialkrieg verwendbar? Münch. med. Wschr., 1935, **82:** 1196–8.

—— 1935–1936: Abyssinian War—Casualties and diseases.

Böhm, G. Appunti di chirurgia dalla campagna d'Africa. Gior. venet. sc. med., 1936, **10:** 832–41.—**Di Prampero, A.** Le fratture esposte in un ospedale da campo durante la guerra d'Etiopia. Gior. med. mil., 1940, **88:** 210–22.—**Guidi.** Tierkrankheiten im italienisch-abessinischen Krieg. Deut. tierärztl. Wschr., 1938, **46:** 129–33.—**Loreti, M., & Zanetti, S.** Osservazioni cliniche-radiologiche di feriti al torace nel conflitto Italo-Etiopico. Clinica, Bologna, 1936, **2:** 247–54.—**Musso, A.** Considerazioni cliniche sul trattamento dei traumi di guerra in A. O. I. (Gondar) Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1942, **1:** No. 6, 5–15.—**Poggi, I., & Roncoroni, C.** Ricerche sulla nefrite tra le truppe nell'altopiano Nord etiopico. Gior. med. mil., 1937, **85:** 825–32.—**Rau, H.** Erfolge der Tropenmedizin; geringe Erkrankungsziffer der italienischen Soldaten in Abessinien. Deut. Aerztebl., 1937, **67:** 564.—**Silvio Palazzi.** Ueber die kieferchirurgischen Erfahrungen aus dem abessinischen Krieg. Zbl. Zahn &c. Heilk., 1937, **2:** 308–17.—**Sonnenschein, C.** Exotische Infektionskrankheiten, Abessinischer Feldzug, Mittelmeer-Kala-Azar und Hautleishmaniose (Orientbeule) Jahrkurs. ärztl. Fortbild., 1937, **28:** H. 11, 52–62.—**Tarsitano, A., & Cotrufo, P.** Studio clinico su vari casi di nefrite in militari reduci dall'A. O. I. Gior. ital. clin. trop., 1937, 1: 327–33.

—— 1935–1936: Abyssinian War—Medical organization and service.

HUARD, P. A. Le Service de santé italien pendant la campagne d'Ethiopie. 47p. 24cm. Illiers, 1937.

Barbieri, P. El Servicio sanitario del Ejército italiano en la guerra Italo-Etíope. Rev. mil., B. Air., 1937, **37:** pt 1, 51–5.—**Belmonte, A. C., & Winckel, C. W. F.** [With the Netherland Red Cross Ambulance in Ethiopia] Ned. tschr. geneesk., 1936, **80:** 3289–93.—**Camara, A.** A eficiência do Serviço de saúde no campanha da Abissinia. Rev. med. mil., Rio, 1937, **26:** 150–2.—**Castellani, A.** L'importanza dell'organizzazione sanitaria nella guerra d'Etiopia. Forze san., Roma, 1936, **5:** 1013–8. ——— Notes on the medical organization and the health of the Italian troops during the Ethopian war. J. Trop. M. Hyg., Lond., 1936, **39:** 222–6. Also Rev. san. mil., B. Air., 1936, **35:** 992–1000. Also Bruxelles méd., 1936–37, **17:** 305–13. Also Ann. paul. med. cir., 1937, **33:** 339–51. Also Bull. Off. internat. hyg. pub., Par., 1937, **29:** 1186–202. Also Mil. Surgeon, 1937, **81:** 1–16. Also Münch. med. Wschr., 1937, **84:** 201–5. Also Reforma méd., Lima, 1937, **23:** 116–22. Also J. R. Nav. M. Serv., 1938, **24:** 304–17. Also Proc. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 136–50. ——— Maladies et campagnes de guerre tropicales. Praxis, Bern, 1946, **35:** 884. Also Rev. méd. Suisse rom., 1947, **67:** 269.—**Chiurco, G. A.** L'organizzazione ed il funzionamento in A. O. I. dell'Ospedale chirurgico da campo 185 Benito Mussolini. Atti Accad. fisiocr. Siena, 1938, 11. ser., 6. Suppl., 33–67.—**Cruz** (La) Roja y el conflicto Italo-Abisinio. Rev. Cruz roja dominic., 1935–36, **1:** 186–8.—**Data** on the Italian-Ethiopian campaign concerning animals and the veterinary service. Vet. Bull., Wash., 1936, **30:** No. 4, 274–6.—**Faltin, R.** [With the Finnish Red Cross Ambulance in Abyssinia] Fin. läk. säll. hand., 1936, **79:** 848–79.—**Ferrari, R. P.** Die Leistungen des italienischen Sanitätswesens während des abessinischen Krieges. Deut. med. Wschr., 1936, **62:** 1849.—**Fleming, E. C.** Medical and public health services during the Ethiopian war. Med. Rec., N. Y., 1937, **146:** 53–7.—**Giardina, G.** Uno sguardo alla guerra di Africa; della preparazione militare e sanitaria alla vittoria delle armi e dell'igiene. Gior. med. mil., 1938, **86:** 131–66.—**Gimlette, C. H. M.** The Dutch Red Cross unit in the Abyssinian War. J. R. Nav. M. Serv., 1939, **25:** 265–9.—**Glordano, G.** Impressioni di Servizio medico-militare in A. O. I. (dal febbraio 1936 al febbraio 1937) Bull. sc. med., Bologna, 1937, **109:** 242–6.—**Huard, P.** The Italian medical service during the campaign in Ethiopia. Mil. Surgeon, 1938, **82:** 193; 337.—**Johnson, F. K.** Dentistry during the Abyssinian Campaign; an account of a fortnight's tour at the front. Brit. Dent. J., 1944, **77:** 44–6.—**Martiny, M.** L'oeuvre de l'ambulance italienne chirurgicale E sur le front nord italo-éthiopien. Presse méd., Par., 1936, **44:** 515.—**Maugeri, N.** La organización y el funcionamiento del Servicio de sanidad en la campaña italo-etiópica. Rev. san. mil., La Paz, 1940, **4:** 873; 909.—**Nogara, G.** Sull'opportunità di alcuni accorgimenti nella costruzione di sezioni chirurgiche spedalicre sull'Altipiano etiopico. Arch. Soc. ital. chir. (1937) 1938, **44:** 981–3. Also Arch. ital. chir., 1938, **48:** 874.—**Organizzazione** sanitaria e la salute delle truppe durante la guerra d'Etiopia. Policlinico, 1936, **43:** sez. prat., 1537–44.—**Palazzi, S.** I servizi stomatologici dell'armata in A. O. durante le operazioni militari. Forze san., Roma, 1936, **5:** 986.—**Pfister, C. R.** Von der Niederländischen Ambulanz in Abessinien. Schweiz. med. Wschr., 1936, **66:** 1216–8. ——— Die Organisation und die Resultate des Gesundheitsdienstes im Aethiopischen Kriegc. Ibid., 1937, **67:** 297.—**Reitano, U.** Organizzazione e funzionamento del Servizio sanitario nelle spedizioni coloniali; relazione al congresso internazionale di medicina militare; Washington,

maggio 1939. Gior. med. mil., 1939, **87**: 979; 1059. Also Deut. Militärarzt, 1940, **5**: 498 (Abstr.)—**Service** de Santé Italien pendant la guerre d'Ethiopie. Bruxelles méd., 1937–38, **18**: 169; 244.—**Sovena, E.** Ricordi ed esperienze sul funzionamento di un'unità sanitaria divisionale, sezione di sanità, durante la campagna Italo-Abissinia. Arch. ital. sc. med. col., 1938, **19**: 662–88. Also Boll. Accad. med. Roma, 1938, **64**: 40–65, 16 pl. ——— Esperienze sull'anestesia di guerra durante la campagna italo-abissina. Gior. ital. anest., 1938, **4**: 507–23.—**Ursu, L.** Organizarea serviciului sanitar al armatei italiene în războiul Ethiopian. Rev. san. mil., Bucur., 1937, **36**: 905–12.—**Veeneklaas.** L'ambulance de la Croix-Rouge néerlandaise en Ethiopie. Sess. Off. internat. docum. méd. mil., 1936, 6. Sess., 269–88. Also Bull. internat. serv. santé, Liége, 1938, **11**: 13–31.—**Velu, H., & Barotte, J.** La campagne d'Ethiopie et le moteur animé, ses enseignements. Rev. vét. mil., Par., 1938, **22**: 125–51.—**Winckel, C. W. F.** [With the Netherland ambulance through the land of Paep-Jan (Ethiopia)] Geneesk. tschr. Ned. Indië, 1936, **76**: 307; 358; 1512. Also Ned. tschr. geneesk., 1936, **80**: 418; 684; 2343.

—— 1936–1938: Waziristan affairs.

Nair, K. P. Evacuation of sick animals by mechanized transport in Waziristan (1936–38) J. R. Army Vet. Corps, 1939, **10**: 68–71.—**Wilson, G.** Waziristan operations, 1937; notes on the use of air transport for the evacuation of casualties. Ibid., 1938, **70**: 1–13.

—— 1936–1939: Spanish Civil War.

Bradsworth, C., Jolly, D. [et al.] The war in Spain; medical work for the Republic. Brit. M. J., 1939, **1**: 168.—**Castaldi, L.** Medicina e igiene di ... guerra nella Spagna Nazionale. Riforma med., 1938, **54**: 1317.—**Coromina, J.** Repercussions of the war on children as observed during the Spanish civil war. Nerv. Child, 1942–43, **2**: 320–3.—**Cruz** (La) Roja en España. Cruz roja cubana, 1937, **1**: No. 9, 32–6.—**Dittrick, H.** War perils in Spain. Bull. Acad. M. Cleveland, 1936, **20**: No. 9, 7.—**Ellis, R. W. B.** Effects of the Spanish war on the civilian population. Guy's Hosp. Gaz., Lond., 1937, **51**: 487–9.—**Fernán Núñez, M.** The Spanish Revolution and Spanish medicine. Bull. Polk Co. M. Soc., 1937, **8**: No. 3, Suppl., 7, &c. Also Bull. Utica Acad. M., 1937, **2**: No. 3, 7. Also Med. Searchlight, 1937, **13**: No. 3, 17.—**Luquero, C. G.** Hechos de guerra y estadística sanitaria en 1936. Rev. san., Madr., 1942, **16**: 97–119.—**McClintock, J. K.** The work of the Red Cross in war-torn Spain. Red Cross Courier, 1937, **17**: 7.—**Martín Santos, L.** Das humanitäre Geschoss und der spanische Krieg. Beitr. gerichtl. Med., Wien, 1939, **15**: 122–4.—**Mateo Marcos, S.** Un caso concreto de información, el Servicio rojo en la batalla de Brunete. Ejército, 1942: No. 28, 47–55.—**Parrilla Hermida, M.** Enseñanzas desde el punto de vista sanitario de la guerra en España. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 610–21.—**Phillips, D. T. R.** Enseñanzas de la guerra en España, 1938; una visión del campo de batalla en el futuro. Rev. mil., B. Air., 1938, **38**: pt 2, 137–54.—**Posner, J.** A letter from Spain. Dent. Outlook, N. Y., 1937, **24**: 471.—**Swift, E. J.** Relief problems in war-torn Barcelona. Red Cross Courier, 1938–39, **18**: No. 8, 7–11.

—— 1936–1939: Spanish Civil War—Casualties.

Bordonaro, F. Le infezioni gangrenose degli arti complicanti le ferite di guerra (guerra di Spagna) 122p. 25cm. Bologna, 1939.

Carerj, L. Aspetti della traumatologia di guerra, dalla campagna di Spagna. 180p. 23½cm. Tor., 1940.

García Dihinx, F. A. Fracturas de guerra; estadística, seudartrosis, ósteosíntesis; Campaña 1936–39. 95p. 24cm. Barcel., 1940.

Jimeno Vidal, F. Oberarmschussbrüche; Erfahrungen aus dem spanischen Bürgerkrieg 1936–1939. p.401–70. 25½cm. Berl., 1941.

Arch. orthop. Unfallchir., 1941–42, **41**:

Piulachs Oliva, P., Arandes Adán, R. [et al.] Heridas vasculares. 194p. 22cm. Barcel., 1947.

Battignani, A. Le lesioni traumatiche oculari nella guerra di Spagna. Atti Accad. fisiocr. Siena, 1939, 11. ser., **7**: 114–6.—**Carerj, L.** Sulle fratture di guerra. Boll. Soc. piemont. chir., 1940, **10**: 166–85. Also Gior. med. mil., 1940, **88**: 656–68.—**Casualty** list—Spanish Nationalist Army. Army M. Bull., 1940, **53**: 50.—**Desjacques, R., & Auger, P.** Réflexions sur les blessés de la guerre d'Espagne. Lyon chir., 1939–40, **36**: 645–51.—**Jimeno Vidal, F.** Oberschenkelschussbrüche; Erfahrungen aus dem spanischen Krieg. Chirurg, 1940, **12**: 70–5. ——— Schulterblattschussbrüche; Erfahrungen aus dem spanischen Bürgerkrieg 1936–1939. Arch. orthop. Unfallchir., 1941–42, **41**: 471–8. ——— Vorderarmschussbrüche. Ibid., 529–74. ——— Handgelenkschüsse. Ibid., 575–604. ——— Die Schussverletzungen des Hüftgelenkes, mit besonderer Berücksichtigung der Schenkelhalsschussbrüche. Ibid., 605–48. ——— Kniegelenkschüsse. Ibid., 649–84. ——— Unterschenkelschussbrüche. Ibid., 685–710. ——— Sprunggelenkschüsse. Ibid., 711–29. ——— Ueber die Behandlung der Erfrierungen; Erfahrungen aus dem spanischen Bürgerkrieg. Aerztl. Prax., Wien, 1942, **16**: 318–20.—**Lluesma-Uranga, E.** Tétanos traumático de guerra. Rev. san. mil., B. Air., 1941, **40**: 813–20.—**Nuestro** cuadro de honor. Gac. méd. españ., 1942, **16**: Suppl., 5–8.—**Prati, M.** Rilievi clinico-statistici su 192 feriti pleuropolmonari (guerra di Spagna, 1936–39) Policlinico, 1940, **47**: sez. prat., 1281–7.—**Roel Gerbolés, E.** Penetrating gunshot wounds of the skull, Spanish civil war. Surg. Gyn. Obst., 1942, **75**: Suppl., 78 (Abstr.)

—— 1936–1939: Spanish Civil War—Diseases.

Passanisi, I. Note di neuropatologia, psichiatria e medicina legale in margine alla guerra di Spagna. p.1–83. 23cm. Pisa, 1940.

Neopsichiatria, Pisa, 1940, **6**:

Vallejo Nágera, A. La locura y la guerra; psicopatología de la guerra española. 252p. 22cm. Valladolid, 1939.

Gilsanz, V., & Grande, F. A- und C-Hypovitaminose bei den Soldaten in Madrid im Jahre 1938. Zschr. Vitaminforsch., Bern, 1940, **10**: 229–35.—**Grasreiner.** An und hinter der rot-spanischen Front; Bluttransfusionen, Ernährungsverhältnisse u. a. Deut. Militärarzt, 1939, **4**: 68–70.—**Grassi, A.** Rilievi clinico-statistici sulla infezione streptobacillare tra i Legionari italiani in Spagna. Gior. ital. derm. sif., 1939, **80**: 1127–42.—**Jiménez García, F., & Grande Covián, F.** Aquilias y diarreas carenciales; observaciones sobre los pacientes de Madrid durante la guerra. Rev. clin. españ., 1942, **4**: 92–5. Also Bull. Hyg., Lond., 1942, **17**: 866 (Abstr.) Also Bull. War M., Lond., 1942–43, **3**: 303 (Abstr.) Also Nutrit. Abstr., Aberdeen, 1942–43, **12**: 302 (Abstr.)—**Lafora, G. R.** La psiquiatría y neurología de guerra y de la revolución; sus problemas y soluciones. Rev. san. guerra, Barcel., 1937, **1**: 121–8.—**López Ibor, J. J.** Experiencias psiquiátricas de guerra. Rev. españ. med. cir. guerra, 1939, **2**: 82–101.—**Mira y López, E.** Psychiatric experience in the Spanish War. Brit. M. J., 1939, **1**: 1217–20. Also Nat. Health Rev., Ottawa, 1939, **7**: 167–74. ——— Psychiatry in war. Arch. Neur. Psychiat., Chic., 1943, **49**: 923. ——— Psychiatry in the Spanish republican army. In his Psychiatr. in War, N. Y., 1943, 63–81.—**Nieto, D.** Psiquiatría y neurología de guerra. Rev. san. guerra, 1937, **1**: 182–93.—**Palanca, J. A. M. F.** Report on the epidemiological situation in Spain during 1939. Bull. War M., Lond., 1941–42, **2**: 392–4 (Abstr.)—**Peraita, M.** Deficiency neuropathies observed in Madrid during the Civil War (1936–39) Brit. M. J., 1946, **2**: 784.—**Vallejo-Nágera, A.** Psychiatrische Beobachtungen im Spanischen Krieg. Verhber. Internat. Kongr. gerichtl. soziale Med., 1938, 1. Kongr., 512–7. Also in his Locura & guerra, Vallad., 1939, 233–9.

—— 1936–1939: Spanish Civil War—Medical organization and service.

Chiurco, G. A. Organizzazione dell'Ospedale universitario italiano e chirurgia conservativa nella guerra di Spagna. p.81–133. 24cm. Siena, 1938.

Atti Accad. fisiocr. Siena, 1938, **6**:

Ba. Der Sanitätsdienst im Spanischen Kriege. Mil. Wbl., Berl., 1939–40, **124**: 979–82.—**Brown, M. B.** [Sanitary service in the Spanish Republic] Sovet. vrach. J., 1937, **41**: 1403–18.—**Carrasco, H. O. de.** Das Sanitätswesen im spanischen Krieg. Münch. med. Wschr., 1940, **87**: 1343.—**Ferraro, F.** Il servizio sanitario divisionale di prima linea in rapporto all'esperienza della guerra di Spagna. Gior. med. mil., 1940, **88**: 325–42.—**Ficai, A.** Opere di umanità e di fede nelle guerre di Africa e di Spagna. Atti Accad. fisiocr. Siena, 1938, 11. ser., **6**: Stud. Fac. med. senese, 261–309.—**Fried, H.** For bravery under fire. R. N., Rutherford, 1937–38, **1**: No. 9, 20; 40.—**Fuhr, L.** With the American medical unit in war-torn Spain. Trained Nurse, 1937, **98**: 602–7.—**Gimeno Sainz, E.** El servicio de sanidad en la organización antiaeronáutica de Baleares. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 500–13.—**Holman, P.** Hospital in Spain. Mag. London School M. Women, 1937, **1**: 50–2.—**Kastein, G. W.** [Organization of medical aid at the front Spanish civil war] Geneesk. gids, 1939, **17**: 777–87. ——— [Organization of health service in the hinter land; experiences in the Spanish Civil War] Ibid., 906–14.—**Kristanov, C. A.** Organizacija khirurgićeskoj pomośći internacional-nykh brigad. Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 109–16.—**Lasnet.** Une mission sanitaire en Espagne. Bull. Acad. méd., Par., 1937, 3. ser., **117**: 251–60.—**Medical** (The) service in the Spanish War. Army M. Bull., 1940, **53**: 45–9.—**Palanca, J.** Los servicios sanitarios españoles a través de nuestra guerra de liberación. Actual. méd., Granada, 1942, **18**: 1–12.—**Pinto da Rocha, A.** Algumas considerações sôbre o serviço de saúde em Espanha nos últimos oito meses da guerra; apresentação em Espanha; visitas médicas às unidades; operação de Baladrero. Bol. Dir. serv. saúde mil., 1939, 35–65.—**Posner, J. J.** Oral surgeon in the Spanish [Civil] War. Oral Hyg., Pittsb., 1942, **32**: 773–9.—**Shumkin, B.** [Certain data on the work of the international sanitary service in the Spanish Republican Army] Sovet. med., 1939, No. **5**, 59

—— 1936–1939: Spanish Civil War—Surgical aspect.

Axford, M. The modern treatment of war injuries of limbs; a summary of the closed plaster method used in the Spanish Civil war. N. Zealand M. J., 1941, **40**: 38–42.—**Barber, G.** La transfusión de sangre en la guerra actual. Rev. san. guerra, 1937, **1**: 194–203, pl.—**Bordonaro, F.** Contributo alla terapia delle fratture del bacino con la trazione a filo metallico (guerra di Spagna) Chir. org. movim., 1938–39, **24**: 221–5.—**Campos Guereta, F.** La hemorragía y el shock en las heridas de abdomen. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 59–64.—**Chirurgische** Erfahrungen auf dem spanischen Kriegsschauplatz. Med. Welt, 1937, **11**: 1584–6.—**Chiurco, G. A.** Chirurgia conservativa nella guerra di Spagna. Arch. Soc. ital. chir. (1937) 1938, **44**: 942–6. Also Arch. ital. chir., 1938, **48**: 872. ——— Priorità organizzativa e terapeutica dell'Ospedale chirurgico da campo nelle guerre di Africa Orientale e di Spagna. Bull. internat. Serv. santé, Liége, 1939, **12**: 614–9.—**D'Harcourt, J., Folch, A., & Oriol, A.** The closed plaster method of treatment; an account of its use during the Spanish war. Brit. M. J., 1940, **1**: 652–4.—**Durán Jordá, F.** El servicio de transfusión de sangre de Barcelona; técnicas y utillaje. Rev. san. guerra, 1937, **1**: 307–21, 4 pl.—**Eloesser, L.** Treatment of compound fractures in war; reports of practical experience in the Spanish Civil War. J. Am. M. Ass., 1940, **115**: 1848–52. Also Ind. M. Gaz., 1941, **76**: 368–72.—**Gironés, L.** Ergebnisse der Bluttransfusion während des spanischen Krieges. Med. Klin., Berl., 1939, **35**: 1420.—**Gómez Durán, M.** Impresiones sobre cirugía en los hospitales de sangre del frente. Clín. hig. & hidr., Lisb., 1937, **3**: 175–209.—**Griffiths, H. E.** Observations on the treatment of air raid casualties in Barcelona. Postgrad. M. J., Lond., 1939, **15**: 371–5.—**Harcourt, J. de, & Pi, A. F.** Expérience du shock dans la guerre d'Espagne. Presse méd., 1940, **48**: 562.—**Hart, A. T.** War surgery in Spain. Brit. M. J., 1939, **1**: 1099; 1146. Also in War Wounds (Brit. M. J.) Lond., 1939, 54–71.—**Jensen, F.** Some features of war surgery and Army medical service during the Spanish Civil War of 1936–39. Chin. M. J., Chengtu Ed., 1943–44, **62A**: 95–100.—**Jiménez Torres, J.** Cirugía de guerra en la Ciudad universitaria. Ejército, 1942, No. 27, 71.—**Jimeno Vidal, F.** Sonderlazarette für Knochenschussbrüche; Erfahrungen aus dem spanischen Krieg. Deut. Militärarzt, 1940, **5**: 529–37.—**Miró Vives, M.** Tratamiento de las fracturas de guerra, según el método de Orr, y resultado de la aplicación del mismo durante la guerra de España. Rev. méd. veracruz., 1940, **20**: 3186; 3195.—**Pérez-Vázques, S., Roquero, A.** [et al.] Treatment of wounds in the Spanish War. Mil. Surgeon, 1939, **84**: 203–6.—**Pittaluga, M. G.** Quelques considérations sur la transfusion sanguine pendant la guerre civile en Espagne. Bull. san. Algérie, 1939, **34**: 348–57. Also Mém. Acad. chir., Par., 1939, **65**: 1080–90.—**Plotkin, F. M.** [Traitement des blessures par arme à feu pendant la guerre par bandage plâtré plain; revue d'après les données littéraires de guerre en Espagne] Khirurgia, Moskva, 1940, No. 9, 46–8.—**Ponseti, I., & Puig Guri, J.** General principles in the treatment of wounds and fractures in the Spanish War. Mil. Surgeon, 1942, **91**: 39–48. ——— Treatment of war wounds and fractures based on Spanish War experience. Northwest M., 1943, **42**: 73–7.—**Ricard, Francillon** [et al.] Réflexions sur le traitement des grands traumatismes des membres par le plâtre et les pansements rares; à propos des blessés espagnols. Lyon chir., 1939, **36**: 573–83.—**Sauerland.** Aerztliche Erfahrungen vom Bombenüberfall sowjetspanischer Flieger am 29. 5. 1937 auf Panzerschiff Deutschland mit besonderer Berücksichtigung der Verbrennungen und ihrer Behandlung. Deut. Militärarzt, 1938, **3**: 393–401.—**Short, A. R.** War surgery in Spain. Bristol Med. Chir. J., 1939, **56**: 249–51.—**Soehring, K.** Resultados da transfusão de sangue durante a guerra civil na Espanha. Ciênc. méd., Rio, 1943–44, **12**: 242–6.—**Sokolowski, T.** [Blood transfusion at the front in the Spanish Civil War] Lek. wojsk., 1938, **31**: 154–65.—**Surgical** experience in the Spanish War. Brit. M. J., 1940, **2**: 560.—**Tovaru, D.** [Experiences in surgical practice acquired during the war in Spain] România med., 1939, **17**: 201.—**Vidaurreta, J.** Memorias de un cirujano que actuó durante nuestra guerra de liberación. Casa del médico, 1947, 2. época, No. 84, 3–5.

—— 1936–1939: Spanish Civil War—Transportation and evacuation.

Spanish refugees. Nurs. Times, Lond., 1937, **33**: 105.—**Young, J. H.** A Spanish ambulance. Lancet, Lond., 1937, **1**: 663.

—— 1937–1945: Sino-Japanese War (China Incident)

Canton Committee for Justice to China. The bombing of Canton. 26p. 4° Hongkong, 1938.

Conflit sino-japonais (trois cent quarante-deuxième circulaire aux Comités centraux) Rev. internat. Croix Rouge, 1937, **19**: 999.—**Fox, L. A.** Observations on the Medical Department of the Japanese North China Expeditionary Force. Army M. Bull., 1939, 47: 9–18. Also Mil. Surgeon, 1939, **84**: 130–8.—**Herrlich, A.** Bambus gegen Bomben; wie sich Canton gegen die japanischen Luftangriffe schützte. Gasschutz, 1938, **8**: 353–8, illust.—**Katō, S., & Murata, M.** Creek wo riyō-si Sina senpaku junk ni yoru kanzya yusō ni tuite [Using the creeks (in China) to transport the wounded by Chinese junks] Gun idan zassi, 1938, 739–44, 2 pl.—**Lasnet, A.** Dix mois de mission sanitaire dans le sud de la Chine. Bull. Acad. méd., Par., 1939, 3. ser., **121**: 300–17.—**Mehl, H. G.** Vom Luftschutz im Fernostkonflikt. Gasschutz, 1938, 8: 120–4.—**Miyagawa, Y.** Activities of the Japanese medical corps in China. Jap. J. Exp. M., 1938, **16**: 559–62.—**Muntsch, O.** Eindrücke über Gasschuts und Luftschutz in Japan und auf dem ostasiatischen Kriegsschauplatz. Deut. Militärarzt, 1940, **5**: 294 (Abstr.)—**Schmidt, B.** Eindrücke und ärztliche Erfahrungen von der Reise der Sanitätsoffiziersabordnung nach Ostasien und dem japanischen Kriegsschauplatz. Deut. med. Wschr., 1939, **65**: 228; passim.

—— 1937–1945: Sino-Japanese War—Casualties and diseases.

Adolph, P. E. Surgery speaks to China; the experiences of a medical missionary to China in peace and in war. 195p. 21½cm. Phila., 1945.

Amano, N. Zibinkōka-ryōiki ni okeru sensyō no tuite [On otorhinolaryngological wounds received in the recent campaign against China] Kaigun gun-ikai zassi, 1939, **28**: 369–89, pl. Also Deut. Militärarzt, 1940, **5**: 446 (Abstr.)—**Chang, Y. C.** [A summary of 2,238 cases of wounded soldiers] Nat. M. J. China, 1941, **27**: 299–307.—**Hirose, Y.** Konzi zihen ni okeru hinyō-ki sensyō ni tuite [War-wounds (incised) of the urinary organs in this incident] Tōzai igaku, 1941, **8**: 299–302.—**Hotta S., Tamura, A.** [et al.] Yokosuka kaigun byōin ni okeru konzi zihen sensyō tiryō no zisseki [Actual results in the cure of the wounded in this incident in the Naval Hospital at Yokosuka] Gun idan zassi, 1938, 809–28.—**Hukuda, Z.** Hyaku-bunritu yori mitaru Sina zihen no sensyō narabi-ni sono sensigaku-teki kōsatu [Observations on wounds received in the recent campaign against China and consideration of the war statistics from the percentage of wounds] Kaigun gun-ikai zassi, 1940, **29**: 833–54.—**Huruya, G.** [On eye wounds received in the recent campaign against China] Deut. Militärarzt, 1940, **5**: 444 (Abstr.)—**Ibuki, T.** Hon-zihen ni okeru senbyō no ni-san ni tuite [A few diseases that accompany war and that have arisen in this incident] Acts serol., Tokyo, 1940, **1**: 441–51.—**Ikei, S.** Mansyū ni okeru kōgun-heiin no tōsyō ni tuite [Frostbites of soldiers of the Imperial Army while in Manchuria] Gun idan zassi, 1938, 1119–48, 2 pl.—**Inoue, K.** Shansi-syō ni okeru A-kei paratyphus ni tuite [Paratyphus A in Shansi Province (China)] Gun idan zassi, 1943, 947–52.—**Itami, Y.** Nan-Si ni hassei-seru tōsyō (dai san-do) no iti rei [A case of frostbite (for the third time) in South China] Ibid., 1259.—**Kaefer, H.** Chirurgische Beobachtungen auf dem japanischen Kriegsschauplatz in Ostasien. Bull. internat. Serv. santé, Liége, 1939, **12**: 515–27.—**Kikuti, T.** Konzi zihen ni okeru gan-sensyō ni tuite [Eye wounds in the present incident] Gun idan zassi, 1938, 998–1002.—**Matumoto, H.** Nissi zihen ni okeru gaku sensyō tiryō no genkyō [The present condition of treatment of war wounds of the jaws in the Japanese-Chinese Incident] Kōkūbyōgakkai zassi, 1939, **13**: 509–15.—**Matumoto, N., Simazaki, T.** [et al.] Sasebo kaigun byōin ni okeru konzi zihen sensyō tiryō no zisseki [Actual results in the cure of the wounded in this incident in the Naval Hospital at Sasebo] Gun idan zassi, 1938, 831–8.—**Miyosi, E.** Sina-zihen ni okeru kossensyō no tiryō ni tuite [The treatment of bone wounds received in battle in the China Incident] Ibid., 453–62.—**Morioka, K., Sonobe, M.** [et al.] Ryōyōzyo ni okeru Sina Zihen to kekkaku ni kan-suru tōkci kenkyū [Statistische Untersuchungen über die Tuberkulosecntwicklung bei Kriegsteilnehmern des japanisch-chinesischen Konfliktes in einer Kriegsbeschädigten-Heilanstalt] Kekkaku, 1940, **18**: 713–21.—**Murakami, T.** Tsinan zihen ni okeru gunzin geka-teki keiken no gaiyō [Summary of sutgical experiences in Army camps during the fighting for Tsinan] Gun idan zassi, 1930, 63–94.—**Nagaoki, M., & Huzino, S.** Sensyō ni yoru ka-sci kodōmyaku-ryū no iti rei [A case of pseudo-femoral aneurysma caused during the present campaign against China] Kaigun gun-ikai zassi, 1940, **29**: 719–21, pl.—**Nakauti, Y.** Konzi zihen ni okeru kaigun no hinyōki sensyō no kōsatu [Observations on wounds of the urogenital organs caused by shooting in the recent campaign against China] Ibid., 1941, **30**: 397–413.—**Noda, T.** Sensyō ni heihatu-seru hasyōhū syōrei ni tuite [On cases of tetanus arising from complications in wounds received during the recent campaign against China] Ibid., 1939, **28**: 531–8, 2 pl—**Ohta, M.** Konzi Setu-Syō sakusen ni oite hassei-seru zangō-netu-yō nctu-sei sikkan no yon rei hōkoku [Report on four cases of a pyretic disease resembling trench fever that developed during the present Chekiang-Kiangsi campaign] Gun idan zassi, 1943, 921–30. ——— Tyū-Si gunzin-nai mikka-netu malaria no kenkyū; mikka-nctu malaria no rinsyō-teki narabi-ni gentyūgaku-teki syo-tiken [Studies on tertian malaria in the North China Army; various pieces of clinical and protozoological knowledge about tertian malaria] Ibid., 1357–66.—**Ohtagawa, H., & Koyama, E.** Konzi zihen ni okeru sensyō-sya no sinkei sonsyō ni tuite [Nerve injury to the wounded in the present incident] Ibid., 1938, 947.—**Saitō, T.** Sina-zihen ni okeru ganmen-keibu sensyō ni tuite [Concerning facial and neck wounds received in the China Incident]

Ibid., 436–52.—**Suzuki, H.** Hirosima rikugun byōin ni syūyō-seru cholera kanzya ni tuite [Cholera patients in the Army hospital in Hirosima] Ibid., 1041–54.—**Suzuki, S.** Konzi Sina-zihen ni oite Tōkyō dai iti rikugun byōin ni syūyō-seru kotuban hukubu syasō kansya ni tuite [Patients with projectile wounds in pelvic and abdomen (wounds received in the present China Incident) received into the First Army Hospital (in Tōkyō)] Ibid., 975.—**Takeuti, K.** Sina-zihen ni okeru sensyō ippan ni tuite [A talk on the usual type of battle-wounds received in the China Incident] Ibid., 463–8.—**Tamura, A.** Konzi zihen ni okeru sensyō-sya no teiryū-dan ni tuite [Bullets lodged in the bodies of war-wounded in the present incident] Ibid., No. 303, 977–80.—**Uehara, Z., Ohtagawa, H.** [et al.] Kure kaigun-byōin ni okeru konzi zihen sensyō tiryō no zisseki [Actual results in the cure of the wounded in this incident in the Naval Hospital at Kure] Ibid., 829.—**Wang, B. L. E., & Sun Yat-Sen.** Selected surgical cases resulting from the present Sino-Japanese war. Guy's Hosp. Gaz., Lond., 1938, **52:** 471–3.—**War** and medicine; the treatment of wounded in the present conflict in China. Army M. Bull., 1939, **50:** 1–14.—**Watanabe, K.** Hokusi ni okeru zyūyō-naru senbyō ni tuite [Major important war-diseases in North China] Gun idan zassi, 1938, 861–4.—**Westhues, H.** Ueber Bombenverletzungen; Erfahrungen aus dem chinesisch-japanischen Kriege. Zbl. Chir., 1939, **66:** 2362–9.—**Yasuda, M.** Minami Sina sakusen-ti ni okeru syōhei no mōsai-kekkan teikō ni tuite, toku-ni malaria-kanzya ni kan-suru syoken [Capillary resistance of the Japanese soldiers operating in South China, especially observations on sufferers with malaria] Gun idan zassi, 1943, 75–80.—**Yasuyama, H., Kanai, I., & Arima, G.** Konzi zihen ni okeru kaigun no senbyō narabi ni bōeki ni tuite [War-diseases and quarantine in the Navy during this incident] Ibid., 1938, 858–60.

—— 1937–1945: Sino-Japanese War—Shanghai Emergency.

Bume, G. F., & Liu, W. L. Gunshot wounds of the chest, medico-surgical experiences during the conflict in Shanghai. China M. J., 1933, **47:** 357–63, 2 pl.—**Chen Si-Yuen & Bordes, A.** Quelques notes sur les blessés hospitalisés à l'Hôpital Saint-Marie au cours des derniers bombardements de la région shanghaïenne au mois de juillet 1945. Bull. méd. Univ. Aurore, Shanghai, 1945, **10:** 269–72.—**Galloway, R. W.** Shanghai emergency, 1937. J. R. Army M. Corps, 1939, **72:** 299–316.—**Hsu Pao-Y.** Etude statistique de 91 blessures de l'abdomen observées pendant la guerre à Shanghai. Bull. méd. Univ. Aurore, Shanghai, 1938, 125–61. Incl. Chinese transl.—**Oettel, H.** Kampfgasvergiftungen an der Shanghai-Front? Deut. Militärarzt, 1938, **3:** 437–42.—**Okada, T.** Shanghai hakengun ni ryūkō-seru cholera ni tuite [Cholera in the Shanghai Expeditionary Force] Gun idan zassi, 1938, 865–74.—**Tibbs, F. C.** The medical organization of the Shanghai emergency, 1937. J. R. Army M. Corps, 1939, **72:** 294–8.

—— 1938: Khasan-Mongol Operations [Russia]

Akhutin, M. N. Khirurgičeskaja rabota vo vremja boev u ozera Khasan. Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 97–109. Also Sovet. med., 1939, No. 5, 3–9. Also Voen. san. delo, 1939, No. 2, 11–6. ——— [Anaerobic infection in wounded during the battle at the Lake Khasan] Khirurgia, 1939, No. 9, 3–7. ——— [Wounds of the chest; data from the military operations at Khassan] Vest. khir., 1939, **57:** 552–6. ——— Khirurgičeskaja rabota v vojskovom rajone vo vremja boev u ozera Khasan. Voen. san. delo, 1939, No. 8, 3–10.—**Bliumin, I. S.** [Results of the work of the hospital base of the 1st Army during the Khasan Campaign in 1938] Vest. khir., 1940, **59:** 170–8.—Khansanskaja operacija 1938g. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 840–4.—**Kolen, A. A.** [Traumatism of the eyes in the present war; data from the battle at Lake Khasan and the Mongolian republic] Vest. oft., 1941, **19:** 103–10.

—— 1939: Khalkhin-Gol Operations [Russia]

Entin, D. A. [Organization of first aid and treatment of maxillo-facial wounds based on experience during military operations of the Khalkhin-Gol river and in Finland] Stomatologia, Moskva, 1940, No. 6, 9–21.—**Mazin, G.** Khalkhin-Golskaja operacija 1939g. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 821–39, pl.—**Soldatov, P. K.** Organizacija raboty rentgenovskogo otdelenija vo vremja boev na r. Khalkhin-Gol. Voen. san. delo, 1940, No. 8, 20–3.—**Zeitlin, N. V.** [Care of gunshot injuries of the extremities at the field hospital of the Khalkhin-Gol River district] Sovet. med., 1941, **5:** No. 15, 13.

—— 1939–1945: World War II.

See as main heading **World War II.**

—— 1940: Peru-Ecuador Conflict.

Coordinación (La) de los servicios médicos en la campaña del Norte. Rev. mil. Perú, 1942, **39:** No. 5, 171.—**Servicio** (El) de sanidad durante el conflicto con el Ecuador. Rev. san. mil., Lima, 1941, **14:** No. 41, 3–5.

—— 1945–1950: Korean affairs.

See also **Epidemic hemorrhagic fever.**

Hsiao, T. Epidemiology of the diseases of naval importance in Korea. 89p. 23½cm. Wash., 1948.

Forms Navmed P–1289, U. S. Navy Bur. M. & S.

Lane, J. K. Korean pioneering. Pub. Health Nurs., 1948, **40:** 128–32.—**Recent** (The) incidence of neuropsychiatric conditions among troops in Korea. Health U. S. Army, 1949, **4:** 3.—**Willard, W. R.** Some problems in public health administration in the U. S. Army Military Government in Korea. Yale J. Biol., 1946–47, **19:** 661–70.—**Zoltán, J.** A honvéd egészségügy a koreai események tükrében. Honvédorvos. 1950, **2:** 305–7.

—— 1947–1948: Indian Civil War.

Smith, M. C. L. The price of freedom. S. Barth. Hosp. J., Lond., 1948–49, **52:** 73–6.

—— 1947–1950: Jewish-Arab Conflict.

Beveridge, A. J. Narrative of the medical evacuation of Palestine Command from January 1 to June 30, 1948. J. R. Army M. Corps, 1949, **92:** 24–30.—**Fletcher-Barrett, K.** Martial law in Tel Aviv. Ibid., 1947, **89:** 83–90.—**Marcus, M.** War injuries of the thorax. Harefuah, Tel Aviv, 1948, **35:** 93.—**Rakowszczyk, M.** Six months surgical experiences of the Military Hospital No. 11. Ibid., 1949, **36:** 42.—**Sulke, A.** Facial and jaw injuries during the war (1947–48) in Jerusalem [Hebrew text] Refuat hashinaim, 1949, **6:** 7–10.—**Tulcinsky, D.** War injuries of the thorax. Harefuah, Tel Aviv, 1948, **35:** 94–6.—**Zucker, K.** A report of two cases from the Maxillo-Facial Department of Military Hospital No. 10 [Hebrew text] Refuat hashinaim, 1949, **6:** 11.

—— 1947–1950: Jewish-Arab Conflict—Siege of Jerusalem.

Beller, A. J. Experiences in cranio-cerebral war injuries from the Jerusalem front. Harefuah, Tel Aviv, 1949, **36:** 14–7.—**Birnbaum, D.** [et al.] Medical experiences during the siege of Jerusalem. J. M. Ass. Israel, 1949, **36:** 3–8.—**Brzezinsky, A., & Bromberg, Y.** Organization of medical aid to Jerusalem's war injured at Hadassah hospitals. Harefuah Tel Aviv, 1949, **36:** 1–3. Also J. M. Ass. Israel, 1949, **36:** 1.—**Halpern, L.** Neuropsychiatric observations during the battle of Jerusalem. Harefuah, Tel Aviv, 1949, **36:** 11–3.

—— in art.

See **War art.**

WARSHIP.

See **Battleship.**

WAR Shipping Administration.

See also **Neuropsychiatric examination,** Screening.

Fuller, J. K. Medical care afloat; War Shipping Administration protects merchant mariners. Hospitals, 1944, **18:** No. 4, 44–6.—**War** Shipping Administration. J. Am. M. Ass., 1944, **125:** 856.

WART.

See **Verruca.**

WARTHELAND.

See **Internee.**

WAR victim.

See also **Disabled; Geneva Convention; Nutrition survey; Occupied area**—by regions: **France; Orphan; Relief,** Red Cross; **War,** Child welfare.

Connecticut, U. S. A. State Defense Council. Pediatric Advisory Committee. Manual of medical services for children in planning for, during and after evacuation. 56p. 20½cm. Hartford, 1942.

International Labour Office. Compensation for war disablement in France; act of March 31st, 1919. 25p. 25cm. Genève, 1921.

Forms No. 1, Ser. E, Stud. & Rep. Internat. Labour Off.

—— Compensation for war disabilities in Germany, Austria, Poland, and Czecho-Slovakia. 43p. 25cm. Genève, 1921.

Forms No. 3, Ser. E, Stud. & Rep. Internat. Labour Off.

—— Compensation for war disabilities in Great Britain and the United States. 85p. 25cm. Genève, 1921.
Forms No. 4, Ser. E, Stud. & Rep. Internat. Labour Off.

—— The compensation of war victims; medical aid, compensation and war pensions. 91p. 24cm. Lond., 1940.
Forms No. 6, Ser. E, Stud. & Rep. Internat. Labour Off.

Marcotte, A. P. *Etude de l'enfance mutilée victime de la guerre. 46p. 8° Par., 1949.

Addis, R. S. Child victims of the war. Ment. Health, Lond., 1946, **6**: 11–4.—**Bucciante, A.** L'infortunistica di guerra e le donne marocchinate. Gior. med. mil., 1949, **96**: 1–16.—**Care** of children injured by enemy action. Crippled Child, 1942–43, **20**: 45.—**Conférence** d'experts gouvernementaux pour l'étude des conventions protégeant les victimes de la guerre. Rev. internat. Croix Rouge, 1947, **29**: 277–89.—**De Francesco, F.** Un nuovo problema di assistenza sociale, la rieducazione dei minorenni mutilati di guerra. Probl. assist. sociale, 1947, **2**: 301–10.—**Données** actuelles sur l'état sanitaire des nourrissons, des enfants et des adolescents en France en 1942 et 1943. Union méd. Canada, 1944, **73**: 1525–32.—**Hergott, A.** Woman, victim of war. In: Morals in Wartime (Robinson, V.) N. Y. 1943, 106–12.—**Heuyer, G.** Psychopathologie de l'enfance victime de la guerre. Toulouse méd., 1947, **48**: 489–98.—**Morère, M.** L'enfance victime de la guerre ou l'image de notre temps. Maroc méd., 1949, **28**: 736–8.—**Present** (The) state of French children. J. Am. M. Ass., 1942, **120**: 386.—**Serin, S.** Les enfants victimes de la guerre. Maroc méd., 1949, **28**: 732–6.—**Service** de recensement des blessés et malades civils, victimes d'un fait de guerre [nominations] Bull. san. pub., Brux., 1939, **4**: 745–8.—**Service** de recensement des blessés et maladies civils victimes d'un fait de guerre; rapport 1939–1946. Ibid., 1948, **10**: 77–86.—**Suffering** (The) of children from modern war. Nerv. Child., 1942–43, **2**: 298–300.—**Toynbee, A. J.** Violation of women in war. In: Morals in Wartime (Robinson, V.) N. Y., 1943, 136–50.—**Zeylstra, H.** L'enfance victime de la guerre. Med. tschr. geneesk., 1947, **91**: 329–33.

WASHING.

See **Hand washing; Laundry.**

WASHING machine.

Gilson, S. B., & Bartfeld, H. Sanitary studies of automatic washing machines. Mil. Surgeon, 1948, **103**: 470–3.—**Hundreds** of homemade washing machines. Bull. U. S. Army M. Dep., 1944, No. 81, 10.—**Washing** machine. Ibid., No. 83, 35.

WASHINGTON, D. C.

See also **Medical center.**

Beachley, R. G. Some wartime public health problems in suburban Washington; Arlington County, Virginia. Med. Ann. District of Columbia, 1942, **11**: 324–8.—**Cross, E. A.** Washington faces war-time problems of hospital facilities, personnel. Mod. Hosp., 1942, **59**: No. 4, 124.—**General** (The) hospital, permanent; Walter Reed General Hospital, Washington, D. C. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **5**: 272–322.—**Gibson, M. M.** Effects of the war on the Children's Hospital. Children's Hosp. Arrow, Wash., 1941–42, **47**: No. 4, 1.—**Hospitals** in wartime Washington. Med. Ann. District of Columbia, 1942, **11**: 313.—**Metcalfe, R. F.** Attending Surgeon's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 529–38.—**New** (The) Navy Medical Center, Washington, D. C. J. Am. M. Ass., 1941, **117**: 1543.—**Nichols, J. B.** Contribution of the medical profession of the District of Columbia to the World War II effort. Med. Ann. District of Columbia, 1949, **18**: 549.

WASSERMANN test.

See also **Neurosyphilis,** Diagnosis; **Syphilis,** Serodiagnosis.

Gennerich, W. Die Wassermannsche Serumreaktion bei Syphilis und ihre Nutzanwendung in der Marine unter Hinblick auf die intermittierende Quecksilberbehandlung. 56p. 8° Berl., 1911.

Matz, P. B. Standardization of serological work in facilities of the Veterans' Administration: The Wasserman test. Rev. 1934. 10p. 23½cm. Wash., 1935.

Akyıldız, H. Wassermann reaksiyonunun teşhis kıymeti [La valeur diagnostique de la réaction du Wassermann] Askerî sıhhiye mecmuası, 1946, **75**: No. 47, 40–3.—**Allen, A. H.** The diagnosis of syphilis by the Wassermann reaction. U. S. Nav. M. Bull., 1916, **10**: 304–8.—**Bassett-Smith, P. W.** The complement deviation test (Wassermann's reaction) for syphilis, and some comments on irregularities noticed in practical experience. J. R. Nav. M. Serv., 1916, **2**: 282–8.—**Beamish, D. W.** Note on the Wassermann reaction carried out on an unselected British Military Garrison. J. R. Army M. Corps, 1922, **38**: 376.—**Birt, C.** Modifications of Wassermann's reaction. Ibid., 1912, **19**: 281–90.—**Blood** for W. R., please. Bull. Army M. Dep., Lond., 1944, No. 41, 5–7.—**Fairley, N. H., & Sullivan, C. F.** A preliminary report on the ice-box method of performing the Wassermann reaction. J. R. Army M. Corps, 1919, **33**: 268–74.—**Harold, C. H. H.** The euglobulin group and its relationship to the Wassermann reaction. Ibid., 1922, **39**: 83–97.—**Hitch, F. G.** The Wassermann reaction in practice. J. R. Nav. M. Serv., 1922, **8**: 257–62.—**Huff, E. P.** 820 complement-fixation tests on 461 patients; modified Emery technique U. S. Nav. M. Bull., 1912, **6**: 562–73.—**Lancelin & Séguy.** A propos de la standardisation de la réaction de Wassermann. Arch. méd. pharm. nav., 1926, **116**: 65–70.—**Liffran.** De l'emploi de la dose maxima de globules dans la réaction de Bordet-Wassermann. Ibid., 329–34.—**Norrlin, L.** [Therapeutic procedures in irreducible Wassermann reactions] Tskr. mil. hälsov., 1937, **62**: 73–7.—**Perry, H. M., & Lambkin, E. C.** Preliminary report on the use of a substitute for the Wassermann reaction in the serum diagnosis of syphilis. J. R. Army M. Corps, 1921, **37**: 161–71.—**Positive** Wasserman reactions of doubtful significance. Bull. Army M. Dep., Lond., 1944, No. 33, 4–6.—**Recio, A.** La reacción de Wassermann como índice del tratamiento de la sífilis. San. mil., Habana, 1921, **1**: 215–25.—**Romanó, A. C.** Reacción de Wassermann; una modificación a la técnica descripta por Bacigalupo-Franzani. Rev. san. mil., B. Air., 1943, **42**: 416–9.—**Schröer, W.** Ueber die Richtlinien des Chefs des Wehrmachtssanitätswesens für serologische Luesreaktionen im Serum bei Verzicht auf die Wa. R. Zschr. Immunforsch., 1944–45, **105**: 443–59.—**Silvestrini, L.** Contributo al valore pratico della reazione di Wassermann. Ann. med. nav., Roma, 1912, **18**: 541–72.—**Sindō, S.** Baidoku ni kan-suru ni-san no zikken narabi-ni tyōsa; baidoku hannō inseika to ketueki-kei to no kankei ni tuite [Some experiments and investigations on syphilis; the relation between the negative change of the Wassermann reaction and blood type] Kaigun gun-ikai zassi, 1939, **28**: 839–45.—**Stitt, E. R.** Unreliability of Wassermann tests using unheated serum. U. S. Nav. M. Bull., 1914, **8**: 410.—**Sunseri, G.** Sull'intima essenza e sul valore diagnostico della reazione Wassermann. Gior. med. mil., 1926, **74**: 477–84.—**Vedder, E. B.** The intensity of a positive Wassermann as a guide to treatment. Mil. Surgeon, 1929, **65**: 195–205.—**Vedia, E. B. de.** La reacción Wassermann en el ambiente militar. Rev. san. mil., B. Air., 1940, **39**: 297–306.—**Zwicke.** Mitteilung zu Bofinger, Erfahrungen mit der Wassermannschen Reaktion bei syphilitischen und nichtsyphilitischen Krankheiten. Deut. mil. ärztl. Zschr., 1914, **43**: 103.

WASTE.

See also **Arctic service,** Hygiene; **Food waste; Sullage water.**

United States. Navy. Bureau of Medicine and Surgery. Preventive Medicine Division. Sanitation Section. Notes on waste disposal. 22p. 26cm. Wash., 1945.
Navmed 638.

Weed, F. W. Disposal of wastes. p.821–81. 26cm. Wash., 1926.
In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6**: 821–81.

Disposal of waste. In: Flight Surgeon Ref. File, Wash., 1945, AAF Man. 25–0–1, Sect. 9, No. 5, 1–4. Also In: Prev. Med. in World War II, Wash., 1948, **5**: 17.—**Disposal** of water. Ibid., **8**: 182.—**Dixon, H. B. L.** A closed system of water disposal by surface evaporation. J. R. Army M. Corps, 1941, **76**: 168–71.—**Ford, J. H.** The disposal of wastes. Bull. U. S. Surg. Gen. War Dep., 1913, No. 2, 182–90, pl.—**Gordon, J. E.** Human wastes. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 9, 16–8.—**Hattersley, S. M.** Disposal of waste water. J. R. Army M. Corps, 1935, **64**: 402–4.—**James, G. V.** The removal of grease from ablution water. Ibid., 1942, **79**: 98–101.—**Johnson, H. A.** Evaporation beds for kitchen and shower waste. Bull. U. S. Army M. Dep., 1944, No. 73, 98.—**Mahlie, W. S.** Industrial waste pre-treatment at Fort Worth, Texas. Sewage Works J., 1943, **15**: 521–4.—**Mohlman, F. W.** Waste disposal problems in wartime. Ibid., 588–90 (Abstr.) —— Industrial wastes in wartime. Ibid., 1164–81.—**Ramos, J. M.** [Report on waste water disposal in Army-owned, contractor-operated ammonium nitrate plants] Bull. San. Engin. (NRC) Wash., 1949, 17. meet., 197–9.—**Sieg, J. G.** Disposal of kitchen liquid wastes in the field. Med. Bull. North Afr. Theater U. S., 1944, **2**: 132–4.—**Van Auken, H. A.** Waste disposal. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, 103–5.

WATER.

See also **Decontamination**—of food and water; **Mineral water; Sea water; Sullage water;** also subsequent main headings.

Hawkes, J. B. Water is not a typical liquid. Research Rev. (U. S. Navy) 1949, 10–4.—**Laybourn, R. L.** Water. In: Med. Mil. Sympos. (Kans. City S. W. Clin. Soc.) 1934, 105.—

Roldán y Guerrero, R. Labor de los farmacéuticos en la bibliografía hidrológica. Bol. farm. mil., Madr., 1933, **11**: 97–101.—**Schiavone, E. L.** Bacterias y otros microorganismos del agua. Rev. san. mil., B. Air., 1942, **41**: 894–8.—**Standards** of water quality for recreational uses. Med. Bull. U. S. First Army, 1949, **4**: No. 7, 18–20.—**Uglov, V.** Količestvennoe opredelenie zapakha vody v edinicakh po Spaulding. Voen. san. delo, 1940, No. 4, 35. ——— **& Loibman, E.** Obektivnyj sposob opredelenija otnositelnoj prozračnosti vody. Ibid., 34.—**War** and water. Lancet, Lond., 1941, **1**: 94.—**Water.** In: Prev. Med. in World War II, Wash., 1948, **8**: 109–81.

WATER analysis.

BARNES, L. A., & BRONSON, J. F. Improved subsurface water sampling apparatus. 4p. 26½cm. Bethesda, 1947.

Forms Rep. No. 3, Res. Proj. X–756, U. S. Nav. M. Res. Inst.

GOLDMAN, I. S., FLANNERY, M. C. [et al.] The detection of organic fluorine compounds in water. 28p. 27cm. Edgewood Arsenal, 1944.

Forms Rep. No. 6, Med. Div. Chem. Warfare Serv. U. S. Army.

Aggeev, P. K. [Indications for laboratory examination of drinking water and evaluation of the results] Feldsher, Moskva, 1939, No. 5, 45–7.—**Brunner, G.** Erfahrungen mit dem Kieselsäurenährboden von Hettche und Münch. Deut. Militärarzt, 1939, **4**: 229.—**Bultó, I.** Análisis de aguas en campaña. Bol. farm. mil., Madr., 1933, **11**: 74–8.—**Ferloni, A. V. J., Schiavone, E. L., & Gifuni, R. F.** Equipo para análisis bacteriológico del agua en campaña. Rev. san. mil., B. Air., 1946, **45**: 732–59.—**Fodor, A.** Laboratory procedures for bacteriological examination of water. Med. Bull. U. S. First Army, 1948, **3**: No. 11, 8–10.—**Foerster.** Note sur le dosage du fer dans les électrolytes et dans l'eau. Arch. méd. pharm. nav., 1933, **123**: 121–6.—**Fonseca, M., jr, & Miniz Barreto, L.** Análise sumária da água em campanha. Rev. med. mil., Rio, 1938, **27**: 392–401.—**Gordon, J. E.** Kit, water testing, poisonous. In: Prev. Med. in World War II, Wash., 1948, 2: pt 8, 3.—**Hardenbergh, W. A.** Factors in Army water quality control. Am. J. Pub. Health, 1945, **35**: 361–7.—**Hilton-Sergeant, F. C.** The recognition of impurities in water. J. R. Army M. Corps, 1942, **78**: 122–9.—**Kroeber, L.** Anleitung zur Untersuchung des Trinkwassers nach militärischen Gesichtspunkten. Pharm. Zhalle, 1915, **56**: 703; passim.—**Lancelin & Séguy.** Technique de l'analyse bactériologique des eaux utilisée au laboratoire du V^e^ arrondissement maritime. Arch. méd. pharm. nav., 1926, **116**: 136–44.—**Lehmann.** Equipment for chemical water analysis. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 213.—**McNaught, P. R.** Notes on the geology of the quaternary deposits of the Pianura Padana, plain of the river Po, with the results of bacteriological and chemical examinations of some potable waters derived therefrom. J. R. Army M. Corps, 1941, **76**: 34; 96.—**Majella Bijos, G.** Análise físico-química da agua; cloração e contrôlo do cloro residual; padronização de técnica e material. Rev. med. mil., Rio, 1941, **30**: 547–64.—**Minkovich, I.** Sanitarno-bakteriologičeskoe issledovanie vody. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1349–54.—**Patterson, T. C.** Bacteriological examination of water: methods in use at Royal Naval College, Greenwich. J. R. Nav. M. Serv., 1931, **17**: 104–18.—**Schiavone, E. L.** Estudio comparativo de los métodos colorimétrico y electrométrico para pH en agua. Rev. san. mil., B. Air., 1944, **43**: 328–46.—**Sharpe, W. W. S.** A modified case for Horrocks' box for pack transport. J. R. Army M. Corps, 1934, **62**: 219.—**Sigaki, K.** Sui-tyū yūkibutu no teiryō-hō ni tuite [Ueber die Methode der quantitativen Analyse der organischen Stoffe im Wasser] Gun idan zassi, 1934, 643–56.—**Slobodkina, Z. M.** Sukhoi reaktiv Grissa. Voen. san. delo, 1941, No. 2, 85.—**Thomann, J.** Luftschutz und Gasschutz; über die Feststellung chemischer Kampfstoffe in Trinkwasser an Ort und Stelle. Schweiz. Apoth. Ztg, 1938, **76**: 429–34.—**Trandafirescu, E.** Contribuţiuni la studiul chimic al apei din Marea Neagră, apei şi nomolului din Lacul Tekirghiol. Rev. san. mil., Bucur., 1935, **34**: 249–57.—**Van Auken, H. A.** Bacteriological and chemical examination. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, 98.—**Vavilin, P.** Higienićeskoe issledovanie vody. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1370–5.

WATER bag.

See also **Water dispenser.**

Hosken, J. G. F. The soldier's water container. Brit. M. J., 1942, **1**: 245.—**Self-cooling** water sterilizing bag. Bull. U. S. Army M. Dep., 1945, No. 87, 20.

WATER chlorination.

See also **Water sterilization.**

Arôso, J. Tecnica da esterilisação da agua em campanha pela cal clorada. Portugal méd., 1917, **3**: 735–7.—**Barretto, L. M.** Processos químicos de depuração da água em campanha. Arq. Inst. biol. exérc., Rio, 1946, 7: 207–21.—**Bojko, A. A.** [Purification of water by large doses of chlorine and the possibility of its utilization on ships of the Navy] Tr. Voen. morsk. med. akad., 1941, **1**: 164–79.—**Chlorination** of water supplies, Territory of Hawaii. In: Prev. Med. in World War II, Wash., 1948, **10**: 79, form.—**Dabney, A. S., & Darnall, C. R.** Origin of the liquid chlorine method of water purification. Army M. Bull., 1938, **46**: 1–28.—**Elliott, S.** The determination of available chlorine in water-sterilizing powder (chlorine) by means of the Horrocks box and hypo tablets. J. R. Army M. Corps, 1927, **49**: 116–8. ——— Chlorination of water supplies; rate of flow of solution from tanks. Ibid., 1929, **52**: 219. ——— The ammonia-chlorine treatment of water; experiments with waters of different degrees of acidity and alkalinity and varying amounts of pollution. Ibid., 1936, **67**: 73–82.—**Emergency** chlorination of water; disinfection of wells; wartime purchase of hypochlorites. N. Hampshire Health News, 1942, **20**: No. 8, 4–8.—**Ferreira, A. B. G.** A eficiência da cloração nos abastecimentos à cargo do Exército americano. Bol. Repart. águas, S. Paulo, 1948, **10**: 103–6.—**Geyer, J. C.** Chlorination of drinking water. U. S. Nav. M. Bull., 1945, **45**: 579–602.—**Kalmykov, P. E.** Portativnyj nabor dlja khlorirovanija i koagu-ljacii vody. Voen. med. J., Moskva, 1947, 44–6.—**Kendricks, E. J.** The sanitary engineer and emergency chlorination of water. Air Surgeon Bull., 1945, 2: 140.—**Liškutin, J.** [Chlorination of water with chloramine] Voj. zdrav. listy, 1938, **14**: 35; 433.—**Lyburn, J., & Ridley, J. E.** Fixed dose versus Horrocks test in the chlorination of water supplies in the field. J. R. Army M. Corps, 1943, **80**: 9–20.—**Mackenzie, E. F. W.** Report on a series of tests performed to ascertain the efficiency of the ammonia chlorine treatment of water applied by a standardized method. Ibid., 1936, **66**: 217; 290.—**Muhsin Berzeg** [Chloramine in the purification of water] Askerî sıhhiye mecmuası, 1939, **68**: No. 25, 109–12.—**Pardi, A.** Sul rapporto tra pH delle acque ed efficacia depurativa del cloro e sul significato della ricerca del cloro libero come indice della avvenuta depurazione. Gior. med. mil., 1942, **90**: 919–28.—**Piccioli, E.** Sul valore della presenza del cloro libero nelle acque trattate con lo steridrolo nei riguardi della loro sterilizzazione. Ibid., 1940, **88**: 939.—**Pozyvaj, T.** Khloraminovye (pantocidnye) tabletki kak sredstvo dlja obezzaraživanija individualnykh zapasov vody. Voen. san. delo, 1940, No. 4, 29–33.—**Rodrigues de Almeida Correia, L.** Modificações para simplificação e uniformidade dos métodos ingleses de depuração de águas para o consumo do exército. J. farm., Lisb., 1949, **8**: 56.—**Sproule, J. C.** Superchlorination of water in the field; effect on Cercariae. J. R. Army M. Corps, 1939, **72**: 384–8.—**Tonn, O.** Ein Beitrag zur Trinkwasserreinigung zu Felde in den Tropen unter besonderer Berücksichtigung des Chloramins. Schweiz. Apoth. Ztg, 1932, **70**: 639.—**Van Auken, H. A.** Chlorination. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, 95. ——— Directions for chlorinating drinking water. Ibid., Suppl., 34.—**Volkov, A., & Pleshko, V.** Praktika khlorirovanija vody v polevykh i lagernykh uslovijakh. Voen. san. delo, 1940, No. 4, 25–8.—**Zodda, A.** Osservazioni sul titolo dei potabilizzatori cloranti e sulla variabilità della loro efficacia. Gior. med. mil., 1940, **88**: 522–9. ——— Del modo di ovviare alla fallacia del saggio col reattivo-indice in acque clorate. Ibid., 1941, **89**: 431–5.

—— Apparatus.

CONSOLAZIO, W. V., & MARK, H. J. A laboratory evaluation of chlorocel, an electrolytic sodium hypochlorite producing unit. 15p. 27cm. Bethesda, 1947.

Forms Rep. No. 1, Proj. NM 011 014, U. S. Nav. M. Res. Inst.

Cassese, S. Simplified chlorinator. Bull. U. S. Army M. Dep., 1946, **6**: 189–92.—**Chukerbuti, J. C.** A cheap automatic continuous chlorinator. J. R. Army M. Corps, 1939, **72**: 265–7.—**Preparation** and use of water disinfecting solutions for hypochlorinators. In: Prev. Med. in World War II, Wash., 1948, **8**: 117–20.—**Rodnikov, V. G.** [An automatic chlorinator] Voen. san. delo, 1943, No. 11, 67–71.—**Schiavone, E. L.** Estudio sobre el clorógeno halazone; su adopción en el Ejército. Rev. san. mil. argent., 1948, **47**: 475–94.

—— Well.

See also **Water supply.**

Fosforov, V. M. [Chlorination of water in wells] Voen. san. delo, 1943, No. 7, 47–9.—**Kisskalt, K.** Schnelluntersuchungen und provisorische Verbesserungen von Brunnen im Kriege. Deut. med. Wschr., 1915, **41**: 213.—**Turich, M. L.** [Chlorination of water in springs] Voen. san. delo, 1943, No. 8, 51.

WATER closet.

See also **Fecal matter; Waste.**

King, A. G., & Wight, R. B. An improvised flush toilet. Bull. U. S. Army M. Dep., 1944, No. 78, 116.

WATER dispenser.

Speck, M. E. A water dispenser. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 46.

WATER fever.

See also **Leptospirasis.**

Kotov, V. [Water fever] Voen. san. delo, 1935, 41–5.

WATER filtration [incl. purification]

Gorman, A. E., Fischer, A. J. [et al.] Water supply, sewage and industrial waste treatment. 349p. 27cm. Wash., 1945.

Forms No. 96, FIAT Final Rep.

Grant, C. W. An investigation of the adaptability of the principles of water filtration to individual or squad (small group) use. 18 l. 26½cm. Bethesda, 1943.

Forms Rep. No. 1, Res. Proj. X-235, U. S. Nav. M. Res. Inst.

United States. War Department. Medical Field Service School. Water purification, Pamphlet No. 3. 104p. 8° Carlisle, 1929.

Ahmet Ulusoy. Pratik su muayene ve tasfiyeleri. Askerî sihhiye mecmuası, 1945, **74:** No. 45, 60–72.—**Anderson, H. J.** Purification of water on a small scale. J. R. Army M. Corps, 1949, **93:** 187–203.—**Bartow, E., Hommon, H. B.** [et al.] Water supply and purification; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6:** 772–820.—**Bryan, A. L.** Water distillation in polluted harbors. U. S. Nav. M. Bull., 1941, **39:** 632–4.—**Coutinho, C. C.** Contribution à l'étude de l'épuration des eaux. Sess. Off. internat. docum. méd. mil., Liége, 1938, 8. sess., 255–67. Also Bol. Dir. serv. saúde mil., 1939, **2:** 321; 1940, **3:** 7; 141.—**Elliott, S.** The purification of water supplies on field service; a retrospect. J. R. Army M. Corps, 1949, **92:** 111–20.—**Gabovich, P.** Obezzaraživanie pitjevoj vody zimoj v polevykh uslovijakh. Voen. san. delo, 1939, No. 11, 19–23.—**Geyer, J. C.** Water purification in the field. Hosp. Corps Q., 1945, **18:** No. 4, 16–21.—**Haskins, C. A., & Cralg, R. H.** Water supplies and purification plants. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6:** 222–40.—**Jakovenko, V. A.** Ocenka koaguljantov dlja polevogo vodosnabženija vojsk. Voen. san. delo, 1940, No. 8, 100–4.—**Kliukanov, M.** Vodoćistnye ustanovki s tkanevo-ugolnymi filtrami. Ibid., 1939, No. 4, 82–94.—**Krakusin, J. S., & Dike, O. D.** A simple water softener. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 32, 49.—**M., D. R.** Purification of temporary water supplies. Bumed News Lett., Wash., 1944, **3:** No. 10, 10.—**Mackenzie, E. F. W.** The purification of water supplies by units in the field. J. R. Army M. Corps, 1938, **71:** 289–317.—**Muniz Barreto, L.** Depuração de águas potáveis. Rev. med. mil., Rio, 1941, **30:** 41–9.—**Pompeyo de Cáceres.** Análisis y depuración de las aguas en campaña; dificultades para hacer una labor útil en la práctica de tan importante servicio higiénico. Rev. españ. med. cir. guerra, 1939, **2:** 514–20.—**Rieux.** Studi comparativi sui processi impiegati nelle armate alleate per la depurazione delle acque potabili, l'igiene degli accantonamenti, la lotta contro i topi, le mosche, le zanzare e contro i parassiti cutanei dell' uomo e degli animali. Riv. igiene san. pub., 1919, **30:** 61–6.—**Schiavone, E. L.** Servicios de agua y plantas de purificación de las fuerzas expedicionarias americanas durante la guerra del 1914 al 18. Rev. mil., B. Air., 1942, **79:** 341–61. Also Rev. san. mil., B. Air., 1942, **41:** 682 (Abstr.) ——— Improvisación de filtros a presión por el Ejército de Estados Unidos para abastecer de agua a unidades en campamentos de China. Ibid., 1946, **45:** 863–9.—**Siebert, C. L., & Milligan, F. B.** Solving wartime pollution problems with minimum use of strategic materials. Sewage Works J. 1943, **15:** 615–28.—**Sochilova, A.** Indikacija tifozno-paratifoznykh mikrobov v pitjevykh vodakh s ispolzovaniem metodiki membrannykh filtrov i sredy Vilsona i Blera. Voen. san. delo, 1940, No. 4, 36–41.—**Tadić, R.** [Purification of water] Voj. san. glasnik, 1934, **5:** 88–122.—**Van Auken, H. A.** Water purification, in bounds civilian restaurants. In: Prev. Med. in World War II, Wash., 1948, **4:** Suppl., 31.—**Water** purification in China. Bull. U. S. Army M. Dep., 1945, No. 85, 37.

——— Apparatus.

See also **Water bag.**

Akeroyd, E. I., Boby, W. V. [et al.] Investigation of German water-treatment industry; equipment and methods of treatment. 64p. 24½cm. Lond. [1945?]

Forms No. 1169, Item No. 22 & 31, BIOS Final Rep.. Lond.

Barnes, L. A., & Gillmore, J. D. Preliminary evaluation of the Quinn purifier, pilot model No. 16. 10p. 27cm. Bethesda, 1947.

Forms Rep. No. 2, Res. Proj. X-346, U. S. Nav. M. Res. Inst.

Eisman, L. P. Field and laboratory testing of Quinn purifier. 8 l. 28cm. Camp Lejeune, 1948.

Forms Sub-Proj. 12–48, Res. Proj. NM 011 021, U. S. Nav. M. Field Res. Laborat.

——— Mechanical and bacteriological studies on the Quinn Water Purifier, Pilot Model No. 18. 11 l. 27½cm. Camp Lejeune, 1949.

Forms Rep. No. 3, Res. Proj. NM 005 052/8, U. S. Nav. M. Field Res. Laborat.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 195/1: Der Heeres-Trinkwasserbereiter. 24p. 21cm. Berl., 1941.

——— H. Dv. 195/2: Das Tornisterfiltergerät. 15p. 21cm. Berl., 1941.

Grant, C. W. Water purification; the use of silver treated diatomaceous earth as compared with plain diatomaceous earth and post-filtration chemical treatment. 3 l. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X-235, U. S. Nav. M. Res. Inst.

Metcalf, T. G., Comploier, F. C., & Shea, L. A. Report on captured enemy equipment; CEE #18958, Membranfilter, German. 7p. 27cm. Bethesda, 1946.

Forms Res. Proj. X-158, U. S. Nav. M. Res. Inst.

Miller, B. H., & Harris, D. A. Study of the efficiency of an improvised water purification plant. 42 l. 27½cm. Camp Lejeune, 1945.

Forms Res. Proj. X-550, U. S. Nav. M. Field Res. Laborat.

United States. Naval Medical Research Institute. Water purification; an evaluation of the Quinn portable micro-filter. 8p. 27cm. Bethesda, 1944.

Forms Rep. No. 1, Res. Project X-346, Nav. Med. Res. Inst., U. S.

Cox, W. C. [The Miraflores water purification plant] In: Prev. Med. in World War II, Wash., 1948, **11:** 17. ——— Purification plants constructed and operated by the Army. Ibid., 19.—**Frões, J. V.** Agentes bacteriostáticos usados na depuração da água. Arq. Inst. biol. exérc., Rio, 1948, **9:** 5–17.—**Kirkpatrick, R. D.** The Shofu cylinder; a Japanese method of water filtration in the field. Mil. Engineer, 1943, **35:** 113.—**Knight, S.** The use of alumino-ferric in the field for the treatment of water containing colloids. J. R. Army M. Corps, 1944, **82:** 83–5.—**Krotkov, F. G.** [A water-purifying plant] Voen. san. delo, 1942, No. 7, 88–92.—**Maksimenko, S.** Filtry. In: Encikl. slovar voen. med., Moskva, 1946–48, **5:** 757–65.—**Nisimura, E., & Sigaki, K.** Purelite wo motte-suru mizu no roka siken seiseki; hu, B-Klarit no zyotetu siken seiseki [Wasserfiltration mittels Purelite und Enteisenfähigkeit von B-Klarit] Gun idan zassi, 1934, 361–70.—**Pruce, A. M.** Underwater treatment tank. Bull. U. S. Army M. Dep., 1944, No. 81, 121.—**Schiavone, E. L.** Equipo portátil para filtración de agua y cloración posterior. Rev. san. mil., B. Air., 1945, **44:** 1644–7. ——— Unidad portátil de purificación de agua; unidad de bombeo y filtración manual. Rev. san. mil. argent., 1949, **48:** 91–109.—**Willecke.** The equipment for water purication. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 213.

WATER heater.

See also **Dental equipment.**

Feldman, J. L., & Kelley, J. W. Water heaters. Air Surgeon Bull., 1945, **2:** 84.—**Hetzel, C. C.,** jr. A water heating apparatus for field use. Ibid., 1944, **1:** No. 7, 16.—**Improved** method for heating water in the field. Bull. U. S. Army M. Dep., 1945, **4:** 409.—**Potter, W. H.** Improvised water heater. Ibid., 1944, No. 78, 39.—**Smith, T. W.** Field water heater. Air Surgeon Bull., 1945, **2:** 84.—**Sweeney, R. C.** Improvised water heaters. Med. Bull. North Afr. Theater U. S., 1944, **1:** 30–2.—**Water** heater. Bull. U. S. Army M. Dep., 1944, No. 82, 28.

WATERHOUSE-FRIDERICHSEN syndrome.

See **Meningococcosis.**

WATER immersion.

See **Acceleration,** Immersion in fluid; **Cold injury,** Immersion foot; **Immersion in water.**

WATER intake.

See **Desert; Nutrition,** Caloric requirements.

WATER metabolism.

PACE, N., KLINE, L. [et al.] Use of radioactive hydrogen for measurement in vivo of total body water. 15p. 27cm. Bethesda, 1946.
Forms Rep. No. 5, Res. Proj. X-191, U. S. Nav. M. Res. Inst.

PETERS, J. P., & WAXLER, S. H. Fluid regulation in health and in disease. 71 l. 27cm. Wash., 1948.
In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, 1:

QUASHNOCK, J. M. Water requirements of life raft survivors. 15 l. 27cm. Dayton, 1943.
Forms No. ENG-49-696-39E, Memo. Rep. Aero M. Laborat. U. S. Air Force.

SCHMIDT-NIELSEN, B., SCHMIDT-NIELSEN, K. [et al.] Osmotic regulation in desert mammals and methods of analysis in the field. 143p. 27cm. Dayton, 1948.
Forms No. MCREXD-696-113B, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Adolph, E. Water and salt needs of men working in hot climates. Med. Bull. Medit. Theater U. S., 1945, **3:** 169–72.—**Behnke, A. R.** Use of radioactive hydrogen for measurement in vivo of total body water. Sympos. Mil. Physiol., Wash., 1947, 60.—**Jaworski, J.** Wpływ hormonów na gospodarkę wodną każdego człowieka. Lek. wojsk., 1941, **34:** 112–5.—**Molnár, G. W., Magee, R. B., & Durrum, E. L.** Water balance studies at Task Force Frigid and Task Force Williwaw. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1948, App. A, No. 1, 22–37.—**Palmes, E. D.** An apparatus and method for the continuous measurement of evaporative water loss from human subjects. Ibid., 1947, App. B, No. 4, 1–25.

WATER purification.

See with **Water filtration.**

WATER sterilization.

See also **Water filtration; Water supply,** Sanitation.

Agar, C. C. Water treatment on the continent. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 43.—**Akopdzhanian, A. T.** Novyj sposob otličija kipjaćennoj vody ot syroj. Voen. san. delo, 1940, No. 6, 87.—**Armbrust, H. J.** Main sterilization on a defense job. Engin. News Rec., 1941, **126:** 965.—**Babecki, W. J.** Rapport complémentaire sur les moyens d'examen et de désinfection de l'eau pour les troupes en campagne. Rev. internat. Croix Rouge, 1938, **20:** 1082–99, ch. Also Rapp. Com. internat. matér. san., 1939, **13:** 54–71, tab.—**Bogoljubov, K. K.** O primenenii superammonizacii dlja obezzaraživanija vody v pokhodnykh uslovijakh. Voen. med. J., Moskva, 1945, No. 10, 25–7.—**Disinfection** of water. Med. Bull. U. S. First Army, 1948, **3:** No. 9, 7–9.—**Esterilización** del agua por rayos ultravioletas. Rev. mil., La Paz, 1938, **2:** 1011–4.—**Eugster, J.** Trinkwasser-Aufbereitung (Desinfektion) Vjschr. schweiz. Sanitätsoff., 1947, **24:** Spec. No., 51–61.—**Fair, G. M.** Water disinfection and applied subjects. In: Advance. Mil. Med., Bost., 1948, **2:** 520–31.—**Freund, H.** Die Bereitung keimfreien Trinkwassers im Felde. Pharm. Zhalle, 1915, **56:** 49; 212.—**G., J. C.** Disinfection of drinking water systems on vessels. Bumed News Lett., Wash., 1944, **4:** No. 7, 21–3.—**Gabovich, R. D.** Bisulfatnye tabletki kak sredstvo dlja individualnogo obezzaraživanija vody. Voen. san. delo, 1941, No. 2, 72–6.—**Goldwater, L. J., & Heller, A. N.** The sterilization of water mains. U. S. Nav. M. Bull., 1943, **41:** 879–89.—**Heppe, C. J.** Steam water distiller. Hosp. Corps Q., 1945, **18:** No. 9, 67.—**Hoffmann, S.** Bakteriologische und hygienische Erfahrungen bei Desinfektionsversuchen vermittels des Elektrokatadyn-Verfahrens. Arch. Hyg., Münch., 1938, **120:** 147–65.—**Hurry-up** sterilization for a defense project. Pub. Works, N. Y., 1941, **72:** No. 5, 23.—**Ikegami, Y., & Takahasi, Y.** Kinzoku Oligodynamie no suisatu kin sayō ni tuite [The bactericidal oligodynamic effect of metals on water bacteria] Kaigun gun-ikai zassi, 1938, **27:** 324–32.—**Kirjanova, A. I.** Ocenka sterilizujuśćego dejstvija spirali, predložennoj dlja individualnogo obezzaraživanija vody. Voen. med. J., Moskva, 1947, No. 3, 38–40.—**Korotkov, I. L.** Bezreaktivnyj metod otličija kipjaćennoj vody ot syroj. Voen. san. delo, 1941, No. 4, 75–7.—**Kovalenko, V. N.** Organizacija protivoepidemićeskikh meroprijatij na armejskikh gruntovykh dorogakh. Voen. med. J., Moskva, 1946, No. 3, 47–9.—**Levine, M.** Water purification and bacteriological criteria of safety. Army M. Bull., 1943, No. 68, 178–94.—**McCulloch, A. F.** The stability of an alkaline hypochlorite solution. J. R. Army M. Corps, 1918, **30:** 522–5.—**Maksimenko, S.** Obezzaraživanie vody. In: Encikl. slovar voen. med., Moskva, 1946–48, **3:** 1397–403.—**Penhallow, D. P.** A unique apparatus for cooking and for boiling water in the field. Mil. Surgeon, 1941, **89:** 171.—**Piazza, G.** Azioni oligodinamiche dei metalli; studio sperimentale sulla depurazione dell'acqua a mezzo del procedimento catalitico-oligodinamico. Gior. med. mil., 1934, **82:** 323–50.—**Ruocco, A.** Contributo alla conoscenza dell'azione battericida di un'acqua catadinizzata sul Bacterium coli. Ibid., 1940, **88:** 296–304.—**Satta, E.** L'acqua ossigenata elettrolitica pura stabile a 130 vol. per la potabilizzazione delle acque con speciale riguardo all'igiene militare. Ann. med. nav., Roma, 1943, **49:** 17–26.—**Tincture** of iodine efficient in the sterilization of drinking water. Bumed News Lett., Wash., 1943, **2:** No. 2, 19.—**Uglov, V. A.** Noyj pribor dlja sterilizacii vody ultrafioletovymi lućami bez predvaritelnoj ee očistki. Voen. san. delo, 1941, No. 2, 80–3.—**Van Auken, H. A.** Boiling. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 2, 97.—**Violle, H., & Seigneurin, R.** Two simple procedures for sterilization of drinking water. War Med., Chic., 1943, **4:** 123 (Abstr.)

WATER supply.

See also **Canteen; Civilian defense,** Utilities: Water supply; **Gas warfare,** Defense: Food; **National defense,** Defense area: Hygiene, medical care and sanitation; **Sea water,** Potability; **Ship,** Hygiene; also preceding headings.

GREAT BRITAIN. WAR OFFICE. Military engineering. v.**6,** Water supply, 1936. 421p. 21cm. Lond., 1940.

—— Water supplies in the field; notes for medical officers; reprinted with Amendments 1 and 2, 1941 [reprint] 109p. 18½cm. Ottawa, 1943.

[UNITED STATES] NATIONAL RESEARCH COUNCIL. COMMITTEE ON SANITARY ENGINEERING. SUBCOMMITTEE ON MILITARY WATER TREATMENT. Bull[etin] Wash., 1947–

UNITED STATES. WAR DEPARTMENT. Technical manual, TM 5–295: Water supply and water purification, 1942. 312p. 23cm. Fort Belvoir, 1943. ALSO another edition. 347p. 23½cm. Wash., 1945.

Charpy, P. El servicio de abastecimiento de agua en campaña. Rev. mil., B. Air., 1947, **47:** 1305; passim.—**Colgan, W. R.** Water supply for military purposes. Biol. Rev. City Coll., N. Y., 1943, **5:** 7–15.—**Cox, W. C.** Medical Department activities in relation to water supplies. In: Prev. Med. in World War II, Wash., 1948, **11:** 22. —— Water supplies. Ibid., 64.—**Cruveilhier, L.** Du rôle de l'eau à la campagne; comment se procurer une eau abondante et pure. Rev. hyg., Par., 1939–40, **61:** 637–43.—**Engle, J. W.** Water supply for the United States Army. Proc. Maryland Delaware Water Sewer Ass., 1937, **11:** 21–31.—**Fair, G. M., Wolman, A.** [et al.] Report of Subcommittee on Water Supply. Bull. San. Engin. (NRC) Wash., 1949, 14. meet., 121.—**German, E.** Vodolaznoe delo. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 797–811.—**Gordon, J. E.** Water supply. In: Prev. Med. in World War II, Wash., 1948, **2:** pt 9, 4–14.—**Hardenbergh, W. A.** Water supplies for the Army. J. Am. Water Works Ass., 1942, **34:** 11–6. —— Army water supply in World War II. Ibid., 1946, **38:** 952–8.—**Healey, C. W.** Water difficulties in England. J. R. Army M. Corps, 1940, **75:** 119.—**Hinman, J. J.,** jr. Some problems of water supply for troops. Proc. Iowa Acad. Sc., 1918, **25:** 457–76. Also Mil. Engineer 1943, **35:** 560–4.—**Kessler, L. H., Sundstrom, V. B., & Tomek, A. O.** Water supply practice in Army training centers. Water Works Engin., 1943, **96:** 930; 950.—**Krotkov, F., & Medvensky, V.** Vodosnabźenie vojsk. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 815–36.—**Monaco, B.** Approvvigionamento idrico delle truppe in guerra. Gior. med. mil., 1938, **86:** 1177–204.—**Rodrigues de Almeida Correia, L.** O serviço de aguas nas manobras de 1945. Bol. Dir. serv. saúde mil., 1945, **8:** 112–41.—**Rozanov, P.** Vodnye perevozki vojsk. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 789–95.—**Saveljev, A.** Vodosnabźenie v voenno-polevykh uslovijakh. In: Bolsh. med. encikl., 1928, **5:** 373–6.—**Sztareczky, G.** A vízellátás biztosítása. Honvédorvos, 1950, **3:** 302–17.—**Water** supply. In: Prev. Med. in World War II, Wash., 1948, **5:** 7–15.

—— Conduits.

Boldyrev, T. E. [Effect of cold on disinfectants and water pipes] Voen. san. delo, 1936, 32–8.—**Kliunkov, V. V.** [Canalization during wartime] Vodosnab. san. tekhn., 1942, **17:** No. 3, 7–10.—**Martin, S. C.** Cross-connection hazards in military hospitals. Bull. U. S. Army M. Dep., 1945, No. 89, 90–4.

—— Drinking water.

CONSOLAZIO, W. V. Effects of storage on potability of canned emergency drinking water. 2p. 26½cm. Bethesda, 1947.
Forms Rep. No. 2, Res. Proj. NM 011 015, U. S. Nav. M. Res. Inst.

Bornand, M. L'eau potable et l'Armée. Praxis, Bern, 1940, **29:** 100.—**Clogg, H.** Água potable para las fuerzas armadas

británicas. Medicina, Habana, 1943, **1**: No. 7, 6.—**Des Cilleuls.** A propos de l'alimentation en eau des troupes en campagne et de l'organisation du service des eaux. Bull. internat. Serv. santé, Liége, 1940, **13**: 79–93. Also Rev. hyg., Par., 1939–40, **61**: 627–36.—**Dragomir, S.** Influenţa potabilităţei apelor in operaţiunile militare din campanie. Rev. san. mil., Bucur., 1937, **36**: 388–98.—**Dujarric de la Rivière, R.** El asunto del agua potable y sana. Monde méd. (Ed. españ.) 1941, **51**: 33–9.—**F., P. H.** Chemical desalinization superior to solar distillation. Bumed News Lett. Wash., 1943, **2**: No. 12, 20.—**Gemeinhardt.** Physical and chemical analysis and purification of drinking water. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 211.—**Gerstein.** Experiences with the supply of drinking water for the troops. Ibid., 211.—**Is** your water supply potable? Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 20, 2.—**Labranca, G.** Il rifornimento idrico delle forze armate in guerra. Minerva med., Tor., 1941, **32**: pt 1, 566 (Abstr.)—**Loza, J. C.** Captación y aprovisionamiento de agua. Rev. san. mil., B. Air., 1944, **43**: 324–6.—**Puşca, E.** Alimentarea cu apă potabilă in timp de pace şi in timp de răsboi. Rev. san. mil., Bucur., 1937, **36**: 289–302.—**Rachkov, A.** [Checking on the minimal consumption of water and enforcement of a stricter norm] Voen. san. delo, 1936, No. 8, 26–35.—**Schiavone, E. L.** Condiciones de potabilidad del agua de provisión; contaminación de la misma; medio de corregirla y determinarla expeditivamente. Rev. san. mil., B. Air., 1944, **43**: 1598; 1671.—**Sillevaerts.** Nouveaux essais de ravitaillement en eau potable de l'Armée en campagne. Bruxelles méd., 1938–39, **19**: 1136; 1209.—**Vasiuta, D. K., & Harshat, I. I.** [Provision of potable water for shock troops during an offensive] Voen. med. J., Moskva, 1944, June, 40.—**Walther, K.** Trinkwasserversorgung. In: Wehrhygiene (Handloser, S.) Berl., 1944, 294–305.

—— Equipment.

Karstens, C. W. Enemy water supply equipment. J. Am. Water Works Ass., 1946, **38**: 959–68.

—— Installations.

Rodewald, F. A., Morhouse, C. H., & Morrill, E. E. A study of ground water resources in the Randolph Air Force Base area with the hypothetical consideration for maintaining and/or improving them. 4p. 27cm. Randolph Field, 1949.

Forms Proj. No. 21–02–141, U. S. Air Force School Aviat. M.

American forces develop own field water supply. Water Works Engin., 1943, **96**: 1087.—**Babecki, J.** Wody naszych garnizonów. Lek. wojsk., 1927, **9**: 115–8.—**Baty, J. B.** Army water supplies in foreign areas. Am. J. Pub. Health, 1945, **35**: 347–52.—**Black, H. H.** Army field water supply developments. Ibid., 1944, **34**: 697–710.—**Bovée, C., Sachs, J. J., & Montgomery, J. B.** Water supply at a base unit in China. Bull. U. S. Army M. Dep., 1945, **4**: 571–8.—**Brentano.** Trinkwasserversorgung. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 21–3.—**Cape** Spear [water supply problems] In: Prev. Med. in World War II, Wash., 1948, **6**: 116.—**Cohen, C., & Gauntt, W. C.** Water supply and sewerage at Army camps. Pub. Works, N. Y., 1941, **72**: No. 9, 23.—**Fort** McAndrew [water supply problems] In: Prev. Med. in World War II, Wash., 1948, **6**: 117–20.—**Gander** Field [water supply problems] Ibid., 121.—**Hot** and cold running water in the field. Bull. U. S. Army M. Dep., 1945, **4**: 47.—**[Installation;** source of water] In: Prev. Med. in World War II, Wash., 1948, **10**: 73–7.—**Lull, G. F.** Water supplies at Army posts at the time of inauguration of the sanitary report. Mil. Surgeon, 1940, **86**: 600–3.—**Pryor, J. C.** The water supply of the Naval Academy. Ibid., 1931, **69**: 13–7.—**Red** Cliff [water supply problems] In: Prev. Med. in World War II, Wash., 1948, **6**: 115.—**Salvato, J. A.,** jr. Water supply installations, Fairbanks, Alaska. Ibid., **8**: 144–7.—**Sellers, A. F., & Gowen, G. H.** Field water supplies in Tunisia; bacteriologic observations. Bull. U. S. Army M. Dep., 1944, No. 83, 94–100.—**Shneerov, A. I.** [Project for water supply and sewage system with special reference to requirements of military operations] Vodosnab. san. tekhn., 1942, **17**: 26–9.—**Sillevaerts.** Nouveaux essais de ravitaillement en eau potable de l'armée en campagne. Bruxelles méd., 1938–39, **19**: 1136–45.—**Thompson, T. O., & Meneces, A. N. T.** An auxiliary water supply at Cherat. J. R. Army M. Corps, 1937, **68**: 27–31.—**Water** supply for Dawson Creek area. In: Prev. Med. in World War II, Wash., 1948, **8**: 134–43.

—— Naval aspect.

Fetcher, E. S., jr. Drinking water supply on the ocean. 14 l. 29cm. Dayton, 1944.

Forms No. ENG–54–671–180, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Fraboulet, A. *L'historique des eaux de boisson à bord des navires. 85p. 8° Par., 1938.

United States. Naval Medical Research Institute. An investigation into the cause of drinking water contamination aboard the USS Icefish (SS367) 10p. 27cm. Bethesda, 1946.

Forms Rep. No. 1, Res. Project X–588, Nav. M. Res. Inst., U. S.

United States. Navy. Bureau of Medicine and Surgery. Preventive Medicine Division. Sanitation Section. Notes on water supply ashore. 34p. 27cm. Wash., 1945.

Navmed 632.

Appareils à eau à bord des navires. J. chim. méd., Par., 1866, 5. sér., **2**: 573.—**Bellile.** L'eau de boisson à bord des bâtiments de guerre. Arch. méd. pharm. nav., 1920, **110**: 358–68. ——— Project d'installation permettant l'épuration, la clarification, le réfroidissement et la distribution de l'eau de boisson à bord des navires de guerre. Ibid., 1926, **116**: 56–64.—**Bespaltchikov, A., & Bogoliubov, K.** [Problem of supplying the personnel of battleships with drinking water in various conditions during cruises and standing in port] Voen. san. delo, 1929, No. 4, 38–44.—**Brandt, A.** Drinking water on board ship. Conf. Health Welf. Merchant Seamen, 1929, 2. Conf., pt 2, 293–5.—**James, G. V.** Army use of water; use in sea-going vessels; contamination by poison gases. In his Water Treatm., N. Y., 1941, 107–11.—**Lenza, G.** Possibilità d'impiego del metodo Stassano per la depurazione dell'acqua di bordo. Ann. med. nav., Roma, 1939, **45**: 511–9.—**Massani, M.** Sul comportamento del b. coli nelle acque di bordo e sul valore della colimetria nel giudizio di potabilità di dette acque. Ibid., 1943, **49**: 336–42.—**Meradith, M.** Conserving water in shipboard dental offices. U. S. Nav. M. Bull., 1944, **43**: 771.—**Quérangal des Essarts, J., & Berge, C.** L'eau d'alimentation à bord des navires de guerre. Bull. Soc. méd. mil. fr., 1946, **40**: 225–9. Also Rev. méd. nav., Par., 1946, **1**: 421.—**Quérangal des Essarts & Fraboulet.** Histoire de l'eau de boisson à bord des navires. Arch. méd. pharm. nav., 1939, **129**: 18–50.—**Rabl, R., & Knorr, F.** Die Trinkwasserversorgung der Kriegs-Marine in der Umgebung von Kiel. Arch. Hyg., Münch., 1942, **127**: 273–301.—**Silvado, J.** A agua a bordo dos navios militares. Brasil med., 1908, **22**: 283; 293.

—— Sanitary survey.

Germany. Reichsanstalt für Wasser- und Luftgüte. Bericht über die Tätigkeit der Reichsanstalt für Wasser- und Luftgüte für die Zeit vom 1. April 1941 bis 31. Dezember 1942. p.61–79. 23cm. Berl., 1943.

In: Veröff. Volksgesundhdienst, 1943, **57**: No. 3.

Alosi, B. Considerazioni sull'approvvigionamento idrico di un centro abitato della Sicilia. Ann. med. nav., Roma, 1943, **49**: 289–94.—**Approved** water supplies. Med. Bull. Europ. Command, 1949, **6**: No. 5, 41–4.—**Baixe.** Le problème de l'eau à Dakar et sa solution. Arch. méd. pharm. nav., 1933, **123**: 463–78.—**Bülow, K. v.** Die Wehrgeologie im Dienste des Feldsanitätswesens; Grundwasserhygiene im Kriege. Deut. Militärarzt, 1940, **5**: 329–33.—**Gaskell, A.** Water supplies, with reference to those in the Gallipoli campaign. J. R. Nav. M. Serv., 1927, **13**: 98–109.—**Högl, O.** Die Hygiene des Trinkwassers in der Schweiz. Militärsanität, Zür., 1948, **30**: 25; 34; 41.—**Impounded** water survey. In: Malaria Control in War Areas, Atlanta, 1945–46, 29.—**Jameson, G. D.** The municipal water supply of Gibraltar. J. R. Army M. Corps, 1935, **65**: 73–84.—**Karasev, D., & Merzlenko, V.** [Restoration of water supply in Rostov-on-the-Don] Vodosnab. san. tekhn., 1942, **17**: 3–6.—**Kirkpatrick, R. D.** The Japanese water supply on the airport at Guadalcanal. Mil. Engineer, 1943, **35**: 276.—**Knott, H. E.** Notes on water supply, with particular reference to that of Alexandria, Egypt. J. R. Army M. Corps, 1939, **73**: 348–55.—**Mackenzie, E. F. W.** London's water supply; safeguarding its purity in peace and war. Nature, Lond., 1945, **155**: 162–4. ——— London's water supply; experiences in safeguarding its purity in war. Water Works & Sewer., 1945, **92**: 353–7.—**Morgan, M. E.** Special sanitary survey of water supply installations covering headquarters, and headquarters operational area. In: Prev. Med. in World War II, Wash., 1948, **8**: 175–8.—**Outline** for sanitary survey of water supply installations. Ibid., 125.—**Porfiriev, M. M.** [Restoration of water supply in Kalinin] Vodosnab. san. tekhn., 1942, **17**: 6–8.—**Potts, C. E.,** jr. Water supply in Germany. Med. Bull. U. S. Chief Surg. Europ. Theater, 1946, **1**: No. 1, 20–5.—**Salvato, J. A.,** jr. Sanitary survey, water supply, Whitehorse District; Whitehorse, Yukon Territory, Canada; Alaska Highway. In: Prev. Med. In World War II, Wash., 1948, **8**: 157–162. ——— Skagway District, Skagway, Alaska; Chilkoot Barracks. Ibid., 164–9. ——— Fairbanks District, Fairbanks, Alaska. Ibid., 170–2.—**Sanitary** surveys of water supply installations in accordance with AR 40–205. Ibid., 121–6.—**Schmidt-Lange, W.** Wasserhygiene im Kriege. Deut. Militärarzt, 1940, **5**: 324–9.—**Special** sanitary survey of water supply installations. In: Prev. Med. in World War II, Wash., 1948, **8**: 148–56.—**Tria, E.** Le acque della Cirenaica e della Marmarica. Gior. med. mil., 1942, **90**: 501–32.—**Watson, K. S.** The water supply in Frankfurt, Germany, as found upon occupation by U. S. Forces and thereafter. Water & Sewage Works, 1946, **93**: 257–60.

—— Sanitation.

See also **Water filtration; Water sterilization; Well.**

Beal, C. *Etude de la surveillance sanitaire des eaux potables dans la zone des armées. 45p. 24cm. Par., 1939.

Gabovitch, R. D. Removal of poisons from the water supply of troops in the field. 26 numb. l. 32cm. n. p., 1939.

United States. War Department. Technical bulletin TB MED 190: Water treatment in areas where amebiasis and schistosomiasis are hazards. 6p. 26cm. Wash., 1945.

—— TB MED 229: Sanitary control of water supplies for fixed installations. 11p. 26cm. Wash., 1949.

Clark, L. K. Safeguarding Army water supplies. Water Works Engin., 1942, **95**: 1063.—**Cox, C. R.** National defense and water supplies. Water Works & Sewer., 1941, **88**: 42.—**Cox, I. M.** A reminder about water. Med. Bull. Medit. Theater U. S., 1945, **3**: 146.—**Ferrer y Díaz, H.** Homenaje a la Sanidad militar del Ejército libertador. An. Acad. cienc. méd. Habana (1927) 1930, **64**: 25–45.—**Fiorito, G.** I serbatoi nel sistema di distribuzione dell'acqua agli utenti. Ann. med. nav., Roma, 1926, **2**: 17–38.—**Geyer, J. C.** Water sanitation; water quality standards. U. S. Nav. M. Bull., 1945, **44**: 883–9.—**Gollandsky, S. M., & Popov, S. P.** Značenie prostejšikh metodov obezzaraživanija vody v polevykh uslovijakh. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 383–6.—**Gordon, J. E.** Sanitation. In: Prev. Med. in World War II, Wash., 1948, **2**: pt 9, 1–45, 14 pl.—[**Instructions** for safeguarding drinking water in industries and villages during military operations] Hig. & zdorov., 1942, **7**: No. 10, 53–6.—**Kalmykov, P.** Istochniki vodosnabženija. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 1043–8.—**Kisskalt, K.** Trinkwasserhygiene im Kriege. Münch. med. Wschr., 1940, **87**: 689–92.—**Kogan, I. B.** Higienićeskaja ocenka pitjevykh vod v Vostochnoj Prussii. Voen. med. J., Moskva, 1945, April, 37.—**Macias Teixeira, L.** O serviço de saúde na transposição de cursos de água à viva fôrça. Bol. Dir. serv. saúde mil., 1940, **3**: 167–74.—**Nebelung, R. G.** Microbiologic control of water supplies on a large naval base. U. S. Nav. M. Bull., 1945, **44**: 669–74.—**Roubal, J.** [Organization of sanitary control of scattered water sources] Voj. zdrav. listy, 1938, **14**: 182–7.—**Schmidt-Lange.** Wasserhygiene im Kriege. Med. Klin., Berl., 1940, **36**: 1373 (Abstr.)—**Súarez Hernández, N.** El agua desde el punto de vista sanitario y en relación con las enfermedades. Rev. san. mil., Habana, 1940, **4**: 51–62.—**Water** control. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6i, 7.—**Zdunkiewicz, J.** [Safeguarding of drinking water for the civilian population during military operations] Lek. wojsk., 1939, **33**: 705–24.

—— in wartime.

United States. Office of Civilian Defense. Medical Division. Sanitary engineering bulletin, No. 1: Protection and maintenance of public water supplies under war conditions. 34p. 27cm. Wash., 1942.

Ball, N. Z., & Fitzgerald, R. W. Water supply vs. war demands in Norfolk, Virginia. Water Works & Sewer., 1944, **91**: 407–11.—**Cottell, A. B.** Water conservancy in war. J. R. Army M. Corps, 1905, **4**: 174–7.—**Cox, C. R.** Wartime control of water quality. J. Am. Water Works Ass., 1942, **34**: 1755–61.—**Devendorf, E.** New York State mutual aid plan for water service. Am. J. Pub. Health, 1942, **32**: 1219–23.—**Gorman, A. E.** Water, a critical war material. Water Works & Sewer., 1942, **89**: 431.—**Holler, H.** Ländliche Wasserversorgung im Krieg. Techn. Gemeindebl., 1943, **46**: 233, &c.—**Howard, N. J.** War and water service. Engin. News Rec., 1941, **126**: 955.—**Kononov, V. N.** [Experimental organization of reserve water supply of large cities during war] Hig. & zdorov., 1942, **7**: No. 7, 12–6.—**Marseille, A.** Over practische moeilijkheden bij de watervoorziening na de oorlog te Batavia. Med. mbl., Batavia, 1949, **2**: 113–9.—**Ohrt, F.** Honolulu wartime water works activity. J. Am. Water Works Ass., 1942, **34**: 1141–62.—**Rhodes, F. A., & Pyle, F. D.** National defense creates a problem; San Diego, Calif., must serve an increased population and prepare for the possibility of drought years. Water Works Engin., N. Y., 1941, **94**: 1145.—**Ten** home water supply precautions. Arizona Pub. Health News, 1942, **35**: No. 7, 1.—[**Water** supply; its safeguarding and purification during the war in England and United States of America] Hig. & zdorov., 1942, **7**: No. 10, 57–60.—**White, C. W.** Priorities and critical materials as they affect public water supplies. J. M. Ass. Alabama, 1942–43, **12**: 185–7.—**Wildsmith, A. C.** War-time water works maintenance in Britain. Water Works & Sewer., 1942, **89**: 65–8.

WATER supply point.

Osipenko, K. Vodnyj punkt. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 795–7.

WATER tank.

Water tank improvisations. Bull. U. S. Army M. Dep., 1944, No. 77, 24.

WATERTIGHT suit.

See under **Cold exposure**, Protection.

WAVE.

See **Shock wave; Short wave; Sine wave.**

WAZIRISTAN (1936–38)

See under **Wars and campaigns.**

WEAPON.

See also names of weapons; also **Atomic warfare; Bacteriological warfare**, Weapons; **Firearm; Head injury**, Weapons; **Injury**—by weapons; **Poison; Psychological warfare; Wound.**

Burgess, W. The war and the weapons. p.301–53. 20cm. Chic., 1914.
In his World Social Evil, Chic., 1914.

Cron, K. Kriegswaffen und Feld-Sanitätsdienst; ein Compendium der Waffenlehre und Waffenwirkung für Militärärzte. 67p. 8°. Wien, 1899. Also 2. Aufl. 69p. 8° Wien, 1907.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 488/5: Vorschrift für das Verwalten der Waffen und des Geräts bei der Truppe. Teil 5: Verwalten der Waffen und des Geräts beim Feldheer, mit Anhang über Munition, Bekleidung, Verpflegung und Pferde, vom 29. Mai 1940. 256p. 15cm. Berl., 1940.

United States. Armed Forces Special Weapons Project. Medical indoctrination course; Army Medical Center; lectures. 12 nos. 27cm. Wash., 1947–49.

Effectiveness of weapons and the possibility of body armor. Health (U. S. War Dep. Surg. Gen. Off.) 1945, May, 2–7.—**Fears** of enemy weapons. Milit. Rep., Wash., 1943, No. 9, 36–9.—**Fears** of German weapons. Ibid., No. 12, 19–22.—**Foişoreanu, V.** Arma bacteriologică ca mijloc de atac in viitorul răsboi. Rev. san. mil., Bucur., 1937, **6**: 236–42.—**Gray, G. W.** Rocket projectiles. In his Science at War, 3. ed., N. Y., 1943, 75. —— Guns gets wings. Ibid., 87–92.—**Jürgens, G.** Die bakteriologische Waffe als Mittel zur Völkerverhetzung und für anderen Unfug. Gasschutz, 1934, **4**: 225–9.—**Mental** effect of weapons. Milit. Rep., Wash., 1945, No. 25, 47–55.—**Miyazawa, H.** Sin-heiki to sin-senzyutu; hu, Hokuriku ni okeru tokubetu dai-ensyū [New war weapons and new war techniques; supplement; special grand maneuvers in the Hokuriku region (Northern and western Honsyū)] Zyūzenkai zassi, 1925, **30**: 9–20, map.—**Palmer, R. R.** New weapons and old principles. In: U. S. Army in World War II, Wash., 1947, AGF 1: 387–95.—**Panning, G.** Die Kriegswaffen und ihre Wirkung. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 11–25; 6. Aufl., Dresd., 1943, 12–28; 9. Aufl., Dresd., 1944, 12–28, illust.—**Schorer, E.** Kriegsseuchen und Bakterienkrieg. Gesundheit, Zür., 1942, **22**: 496–507.—**Schüttel, E.** Der operative und taktische Einsatz von Bombenverbänden im totalen Krieg. Gasschutz, 1937, **7**: 142–9.—**Velásco, G.** Nuevas armas y nuevos mecanismos de guerra. Rev. mil., La Paz, 1942, **6**: 309–16.—**Vieser, W.** Berechnung der Wirkung von Geschossen und Bomben. Gasschutz, 1934, **4**: 309–14.—**Walker, K., & Bailey, H.** Projectiles and other engines of destruction. In: Surg. Mod. Warfare (Bailey, H.) 2. ed. Balt., 1942, **1**: 3–11.

—— chemical.

See also **Chemical agent; Chemical warfare.**

Albeaţa, E. Intrebuinţarea argilelor ca material de protecţie contra gazelor de luptă. Rev. san. mil., Bucur., 1937, **36**: 843–5.—**Chemical** warfare chronology of World War II. Chem. Warf. Bull., 1943, **29**: No. 3, 50–2.—**Ditto, R. C.** Will Hitler's goose be cooked with gas? Ibid., 6–8.—**Engelhard, H.** Theoretische Betrachtungen über die Konzentrationen von chemischen Kampfstoffen. Gasschutz, 1934, **4**: 174–6.—**Flury, F.** Ueber den chemischen Krieg. Ibid., 1937, **7**: 57–63. —— & **Tempelhoff, v.** Der Gaskampf und die chemischen

Kampfstoffe. Ibid., 1938, 8: 207–10.—**Haack, Flury, F., & Quasebart, K.** Der chemische Krieg. Ibid., 1937, 7: 46–9.—**Hanslian, R.** Der aerochemische Angriff. Ibid., 1934, 4: 3–5.—**Jatzkewitz, E.** Luftschutzmässiges Verhalten im Haushalt. Ibid., 1939, 9: 2–5.—**Johnson, D.** Necessity for good gas discipline particularly in the Army Air Forces. Chem. Warf. Bull., 1943, 29: No. 3, 5.—**Kokatnur, V. R.** Chemical warfare in ancient India; evidence that art was known and practiced long before biblical times. Ibid., 37–9.—**Kroepelin, H.** Ueber das Abregnen von Kampfstoffen aus Flugzeugen. Gasschutz, 1938, 8: 39–46.—**Martin, R. J.** A mnemonic method of learning basic chemical warfare. Chem. Warf. Bull., 1941, 27: 7–9.—**Mielenz, W.** Gasschutz für Säuglinge und Kleinkinder. Gasschutz, 1939, 9: 13–6, illust.—**Nasset, E. S.** Use of service gas mask, M2a1, in energy metabolism determination. Chem. Warf. Bull., 1943, 29: No. 3, 31–3.—**Otto, C. E.** Fires from incendiary bombs. Ibid., 1941, 27: 94–8.—**Rosenthaler, L.** Die Chemie als Kriegsmittel. Schweiz. Apoth. Ztg, 1921, 59: 105–10.—**Schrader, E. A.** Methods of extinguishing incendiary bombs. Chem. Warf. Bull., 1943, 29: No. 3, 15–20.—**Stelle.** Die Vereinheitlichung der tragbaren Kraftspritze. Gasschutz, 1939, 9: 10–3, illust.—**Tempelhoff, v.** Chemische Kampfmittel und Gasabwehr in der Russischen Felddienstordnung 1936. Ibid., 1938, 8: 20–3. ——— Eine sowjetrussische Gaskampfaufgabe. Ibid., 204–6. ——— Die Vorläufige Gasabwehrborschrift der Roten Armee vom 15. 12. 1935. Ibid., 1937, 7: 241; 270. ——— Welchen Einfluss werden die chemischen Kampfmittel im Zukunftskriege auf die Entscheidung ausüben? Ibid., 289–93.—**West, J. A., jr.** Total fire. Chem. Warf. Bull., 1941, 27: 77–83.

—— Small arms.

MANN, F. W. The bullet's flight, from powder to target; the internal and external ballistics of small arms. 384p. 25cm. Huntington, 1942.

Rosenblum, D. [Data on energy valuation expended in methods of transferring machine guns] Voen. med. J., Moskva, 1931, 2: 438–50.—**Utz.** Untersuchung von Infanterie-Geschossen. Pharm. Zhalle, 1915, 56: 119; 199.

—— V weapon.

Freeman, A. G. Effect on troops of the V weapon bombardment of Antwerp. Brit. M. J., 1946, 1: 58.

WEATHER.

See **Climatology; Intelligence; Operation,** Arctic.

WEBBING belt.

See **Belt.**

WEBBING strap litter.

See under **Litter.**

WECHSLER-BELLEVUE test.

See under **Intelligence test; Personality inventory.**

WEIGHT.

See **Aviator,** Height and weight; **Height and weight.**

WEIL-FELIX reaction.

See also **Rickettsiasis,** Diagnosis; **Rickettsiasis (orientalis)** Diagnosis.

HOKARI, K. On a new method of diagnosis employing the precipitin reaction of antigen extracted from Proteus OXK. 27 l. 27cm. [n. p.] 1945.

Forms No. 106, Project Rep. C, Hyg. Sect. Nanpō-gun, Japan.

Bridges, R. F. The preparation of suspensions for the Weil-Felix test. J. R. Army M. Corps, 1935, 64: 153–62.—**Christian, C. R.** The Weil-Felix reaction in fevers of uncertain origin. Ibid., 65: 247–51.—**Kosmodamiansky, V. N.** [Use of the new variant Proteus X_{19} for Weil-Felix reaction] Voen. med. J., Moskva, 1933, 4: 391–8.—**Scales, C.** Some observations on the Weil-Felix reaction. J. R. Army M. Corps, 1935, 65: 317–9.

WELDER [and welding]

See also under **Electric welding.**

DRINKER, P. Control of welding hazards in defense industries. 15p. 23cm. Wash., 1941.

Ege, J. F., jr, & Silverman, L. Determination of welding fumes in ship construction. U. S. Nav. M. Bull., 1945, 44: 1309–20.—**Löwy, J.** Význam nemoci svářečů ve válečném průmyslu. Lek. wojsk., 1941, 34: 156–8.—**Quinn, R. W.** Health hazards associated with the welding process; report of cases and review of recent literature. Mil. Surgeon, 1944, 95: 410–9.—**Sessions, H. K.** The effects of breathing welding fumes. U. S. Nav. M. Bull., 1944, 42: 1216–23.—**Viles, F. J., jr.** Control of welding fumes; U. S. Navy Yard, Boston. Indust. M., 1945, 14: 71–5. ——— & **Silverman, L.** A portable welding fume exhauster. U. S. Nav. M. Bull., 1945, 44: 440–4.

WELDING arc.

See **Electric welding.**

WEST Africa.

See **World War II.**

WESTERN Front.

See under **World War I; World War II.**

WESTERN Pacific.

See under **World War II.**

WEST Indies.

See under **World War II.**

WEST Point.

See under **School,** Military Academy.

WET-COLD.

See **Cold injury; Endurance.**

WHARTON'S duct.

See with **Salivary gland.**

WIDAL reaction.

See **Typhoid fever,** Diagnosis: Serodiagnosis.

WIDOW.

See **Dependent,** Widow.

WIEN.

See also **Occupied area**—by regions: Austria; **Wars and campaigns** (various subheadings)

Steiner, J. Das neue Heeresspital in Wien. Wien. med. Wschr., 1934, 84: 673.—**Wilde, A. G.** A medical officer in Vienna. Mil. Surgeon, 1925, 56: 452–60.

WIFE.

See **Dependent** (Emergency maternity and infant care; Wife)

WILD parsnip.

See **Dermatitis.**

WIND blast.

See also **Flying,** Accident; **Injury,** Blast.

THORNTHWAITE, C. W. The climate of the soldier; determining the wind on the soldier. 13p. 26½cm. Wash., 1949.

Forms Pt 4, No. 124, Envir. Protect. Ser. Rep. (U. S. Quartermast. Gen.)

WILDER, R. M. Effects of high velocity wind blasts on human volunteers. 16p. 26½cm. Bethesda, 1947.

Forms Rep. No. 10, Res. Proj. X–630, U. S. Nav. M. Res. Inst.

Effects of atmospheric pressure, wind blast, detonation. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, 19–21.—**Injuries** due to the wind of explosives. Med. Rec., N. Y., 1915, 88: 571.—**Nervous** manifestations due to the wind of explosives. Lancet, Lond., 1915, 2: 348.—**Schütze, U.** Untersuchungen über den Einfluss hoher Windgeschwindigkeiten auf den Kopf. Luftfahrtmedizin, 1940–41, 5: 322–36. Also English transl. in Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14d, 1–10.—**Stevenson, W. F.** A note on wind contusions in war. Brit. M. J., 1915, 2: 338.—**Wind** contusion. Ibid., 308.

WINDSHIELD.

Bjornstad, J. M. Optical properties of windshield glass. 28p. 27cm. Dayton, 1948.
Forms No. MCREXD-696-93C, Memo. Rep. Aero M. Laborat. U. S. Air Force.

WINE.

Caddow, H. A. War and the wine industry. Q. J. Alcohol, 1942–43, **3**: 288–92.—**Cummins, S. L.** Port and when to drink it. J. R. Army M. Corps, 1943, **80**: 147.—**Vega Herrera, A. M.** Valor alimenticio del vino genuino y de la cerveza. Rev. san. mil., B. Air., 1946, **45**: 1199–203.

WING medical officer.

See with **Air Force Medical Service,** United States Navy.

WINTER warfare.

See also **Ambulance,** sleigh; **Clothing** subheadings (Environmental aspect; protective; Test) **Raincoat.** For physiology of cold environment see also **Arctic service,** Physiology; **Cold exposure.**

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 18a/17: Taschenbuch für den Winterkrieg [Reprint] 415p. 15cm. Berl., 1943.

—— H. Dv. 1a. Anh. 2. Merkblatt 53d/59: Truppenhygiene im Winter. 80p. 21cm. Berl., 1942.

United States. Armored Medical Research Laboratory. Project No. 1: Cold weather operations; report on Sub-Project No. 1–10: Analysis of position of armored force personnel in respect to winter protection with recommendations for use and/or design of suitable equipment and food. v. p. 28cm. Fort Knox, 1944.

United States. Army. Military Intelligence Service. Special series, No. 18: German winter warfare. 215p. 20cm. Wash., 1943.

United States. War Department. Basic field manual, FM 31–15: Operations in snow and extreme cold. 82p. 19cm. Wash., 1941.

Blair, J. R., & Gottschalk, C. W. Canadian winter operations. Annual Rep. Med. Dep. Field Res. Laborat., Fort Knox, 1947, App. D, Proj. 1, No. 11, 1.—**Holst, J.** Winter campaigning. In: Interallied Conf. War Med. (1942–45) 1947, 284–9.—**Kobzev, A.** Zimnie dejstvija vojsk. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 803–14.—**Military** effects of the Russian winter. Brit. M. J., 1942, **1**: 121.—**Oettli, H.** Lawinen-Rettungs-Dienst. Militärsanität, Zür., 1942, **24**: 19; passim. ——— Lawinengefahr. Ibid., 1944, **26**: 1.—**Protection** against cold, snow, and thaw. Spec. Ser. U. S. Mil. Intell. Serv., 1943, No. 18, 127–36.—**Rahm, N.** Anvisningar i vinterhygien. In: Fältmed. vademecum, Stockh., 1940, 108–22.—**Rations** in winter. Spec. Ser. U. S. Mil. Intell. Serv., 1943, No. 18, 137–43.—**Rossmann.** Pioniere im Abwehrkampf der Winterschlacht. Mil. Wbl., Berl., 1942–43, **127**: 86.—**Timofeevsky, P.** Zimnij sanitarnyj transport. In: Encikl. slovar voen. med., Moskva, 1946–48, **2**: 814–6.—**War** in snow and extreme cold. Infantry J., 1942, **51**: No. 2, 60–6.—**Winter** bivouacs and shelter. Spec. Ser. U. S. Mil. Intell. Serv., 1943, No. 18, 57–93.—**Winter** health measures. Ibid., 144–8.

—— Medical aspects.

Canadian Army Notes on Winter Warfare. Pamphlet No. 8: Medical services, 1946 (Provisional) 62p. 19cm. Ottawa, 1946.

—— Pamphlet No. 9: Dental service, 1945 (Provisional) 37p. 18½cm. Ottawa, 1945.

Germany. Luftwaffe. Inspekteur des Sanitätswesens. Bericht über eine wissenschaftliche Besprechung am 26. und 27. Oktober 1942 in Nürnberg über aerztliche Fragen bei Seenot und Winternot. 74p. 29½cm. Berl., 1943.
Forms Tagber. No. 7, Mitt. Luftfahrtmed., 1943.

Georgievsky, A. S. [First aid in the field in winter] Voen. san. delo, 1941, No. 10, 5–11.—**Gorelov, L. I.** Osobennosti organizacii medicinskoj pomośći v dnevnom boju na ldu. Ibid., No. 2, 63–6.—**Hildenskøld, S. I.** [Evacuation shelters in winter] Ibid., No. 11, 39–48.—**Koch & Preuss.** Winter hazards for medical supplies and preventive measures. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 215.—**Losonczy, G.** A téli kihelyezések egészségvédelmi problémái. Honvédorvos, 1950, **2**: 631–44.—**Markosov, G.** Sposoby evakuacii ranenykh s polja boja v lesisto-bolotistoj mestnosti v zimnee vremja goda. Voen. san. delo, 1940, No. 4, 78.—**Molchanov, N. S., Sach, U. I.** [et al.] [Evacuation of the wounded under winter conditions] Ibid., 1942, No. 10, 57–60.—[**Preparation** of medical personnel for winter] Ibid., 3–7.—**Red** Army evacuation of casualties in winter. Milit. Rep., Wash., 1944, No. 16, 27.—**Riabov, P. I.** [Problems in sanitary technic during winter] Voen. san. delo, 1941, No. 10, 35.—**Ryzhkov, S. I.** [Evacuation of the wounded in winter] Med. sestra, Moskva, 1944, 5–9.—**Timankov, K. D.** [Medical supply during winter] Voen. san. delo, 1942, No. 10, 69–71.—**Zavalishin, N. I.** Sanitarnoe obespećenie roty i bataljona zimoj v lesisto-bolotistoj mestnosti. Ibid., 1940, No. 10, 30–7.

WIRE splint.

See under **Splint,** Types.

WOLHYNIAN fever.

See **Rickettsiasis (quintana)**

WOMAN.

See also **Dentist; Hospital Corps; Medical officer,** female; **Orthoptics; Recruit; Recruiting; Rorschach test; War,** Social effect; **War victim;** also subsequent headings.

Chicago, Ill. Institute for Psychoanalysis. Women in wartime. 41p. 19cm. Chic., 1943.

Serebrennikov, T. La mujer de la U. R. S. S. en la paz y en la guerra. 45p. 20cm. Méx., 1944.
Forms No. 2, Monogr. breves, Méx.

Batchelor, M. S. Women and war. Health Bull., Raleigh, 1943, **58**: No. 12, 5–7.—**Binet, A.** La guerre et la femme. Gynécologie, 1943, **40**: 108–10. Also Quest. gyn. actual., 1943, **3**: No. 2, 1–6. ——— La femme dans la guerre. In his Souvenirs, Par., 1946, 51–75.—**Candia Almaraz, A.** La mujer, como elemento de grandeza nacional. Rev. mil., La Paz, 1942, **6**: No. 57, 183–7.—**Castaño, R. de.** Las mujeres mexicanas y la guerra actual. Defensa, Méx., 1943, **3**: No. 23, 152.—**Chase, L. A.** Canadian women at war. Med. Woman J., 1944, **51**: No. 5, 17, &c.—**Comstock, A. L.** Women in this war. Yale Rev., 1941–42, **31**: 671–82.—**Frazer, M.** Women in war time. Nurs. Times, Lond., 1941, **37**: 846.—**Grandmothers** incorporated. Red Cross Courier, 1941–42, **21**: No. 3, 15.—**Gunn, J. I.** Report of Women's War Conference. Canad. Nurse, 1918, **14**: 963–8.—**Halsey, E.** The role of college women in war. J. Health Phys. Educ., 1942, **13**: 283.—**Healthier** women, a wartime asset. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 7, 6–8.—**Hornaday, W. R.** On the home front. J. Iowa M. Soc., 1942, **32**: 89.—**Kimball, N. M.** Women on the home front. J. Social Hyg., 1943, **29**: 425–8.—**Lee, M. P.** Women of China in war time. Nurs. Times, Lond., 1943, **39**: 531.—**Marsh, C. J.** Wartime problems as felt by the college woman. J. Psychol., Provincet., 1943, **16**: 81–4.—**Peuckert, W. E.** Die Frau im Kriege. Neue Generation, 1925, **21**: 81–6.—**Queen** (The) encourages the women of the Empire. Brit. J. Nurs., 1943, **91**: 46.—**Thimme, D.** Die Frau im Kriege. Umschau, 1939, **43**: 933.—**Women** in defense. Nassau M. News, 1941, **15**: No. 9, 1.—**Women** in the war effort. Am. J. Obst., 1942, **44**: 732.

—— Great Britain.

British Information Services [New York] Women's work in Britain. 11p. 23½cm. N. Y., 1942.

—— 50 facts about British women at war. 23p. 13½cm. N. Y., 1943.

Stafford, A. Army without banners. 2. impr. 192p. 20cm. Lond., 1943.

Bondfield, M. G. Conscription of women in Great Britain. Occupations, 1942–43, **21**: 283–7.—**British** women at the front. Nurs. Times, Lond., 1940, **36**: 577.—**British** women at war; they fill 2,000,000 jobs. Life, 1941, Aug. 4, 70–7.—**Conscription** of women. Brit. M. J., 1941, **2**: 862.—**Education** and leadership in the women's services. Nature, Lond., 1942, **150**: 415–7.—**Phillips, E. C.** British women in war services. Pub. Health Nurs., 1942, **34**: 609–11.—**Pudney, C.** Women in uniform. Britain Today, Lond., 1941, No. 54, 12–6.—**Winner, A. L.** Public health problems in the A. T. S. Pub. Health, Lond., 1946–47, **60**: 232–5.—**Woman** (The) war-worker. Lancet, Lond., 1940, **1**: 884.—**Women** in the services. Ibid., 1128.—**Women** on active service. Britain Today, Lond., 1941,

No. 51, 1–3.—**Women's** (The) Services. Lancet, Lond., 1942, 2: 343.—**Women's** war work. Ibid., 1941, 2: 712.

—— Marine Corps.

Solomon, P., Brown, M., & Jones, M. R. Neuropsychiatry in the U. S. Marine Corps Women's Reserve; an analysis of motivations for entering military service. Am. J. Orthopsychiat., 1944, 14: 406–10. ——— Methods and procedures in the neuropsychiatric selection of recruits. Am. J. Psychiat., 1944–45, 101: 643–9. ——— Criteria for rejection. War Med., Chic., 1944, 6: 291–5.

—— Military service.

See also subsequent main headings.

Bancroft, H. H. Women fight on battlefield; heroine concealed identity; attack of brain fever led to discovery; Molly Pitcher, Deborah Samson, Mary A. Livermore. Welf. Bull., Springf., 1943, 34: No. 2, 8.—**Driest, W.** Die Frau in der Wehrmacht. In his Richtlinien ü. Menschenführ., 2. Aufl., Berl., 1944, 75–95.—**Enlistment** campaign; woman's field army. J. M. Ass. Alabama, 1940–41, 10: 311.—**Hirschfeld, M.** Women soldiers and female battalions. In his Sex. Hist. World War, N. Y., 1937, 119–33.—**Hollenbeck, F. S.** Woman's place in wartime. Health, Mount. View, 1943, 10: No. 8, 18.—**Jordania, I.** Zhenščiny-voennoslužaščie. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 684–6.—**Solomon, P., & Winfield, M. C.** Needs and problems of military women in readjusting to civilian life. Am. J. Orthopsychiat., 1945, 15: 454–62.—**Thornton, G. K.** Women in the Red Army. Q. Rev. Med. Women Fed., Lond., 1945, 26.—**Voncken, J.** Les femmes à la guerre. Protect. pop. civ., Par., 1938, 1: 124–9.—**Welsh, M.** No time for tears; women at war keep busy with problems of work, uniforms, make-up, dates and meals. Life, 1941, Aug. 4, 78–80.—**Women** in war. California West. M., 1943, 58: 140.

WOMEN Accepted for Voluntary Emergency Service [WAVES]

See also **Dermatitis; Hospital Corps; Nurse,** Training; **Nutrition survey**—by countries: United States.

Pine, M. B., & Haugen, G. A study of the adequacy of some of the eating facilities available to enlisted Wave personnel living in the Washington area. 9p. 26½cm. Bethesda, 1944.

Forms Rep. No. 2, Res. Proj. X–295, U. S. Nav. M. Res. Inst.

United States. Navy. Bureau of Medicine and Surgery. Enlist in the Waves; serve in the Hospital Corps. 13p. 22½cm. Wash., 1943.

Berge, M. A., & Roose, A. E. Women Reserves for overseas duty. U. S. Nav. M. Bull., 1946, 46: 1100–4.—**Contact** dermatitis due to rating badges worn by Waves. Summaries Res. U. S. Nav. M. Res. Inst., 1945, Jan.–June, 8.—**Lindas, E. B.** WAVES in industrial medicine. Hosp. Corps Q., 1945, 18: No. 5, 31.—**Marwil, T. B.** Functional amenorrhea in WAVES. U. S. Nav. M. Bull., 1945, 44: 569–73.—**Raskin, H. A.** Invalidings from the service for causes existing prior to enlistment Women's Reserves. Ibid., 1944, 43: 490–4.—**Women's** Reserve of the Navy. Hosp. Corps Q., 1944, 17: No. 6, 140–3.

WOMEN in the Air Force.

Air WAC in AAF Medical Services. Air Surgeon Bull., 1945, 2: 125.—**Monserud, N. O.** Medical considerations of women air force service pilots. Ibid., 214–6.

WOMEN'S Army Corps.

See also **Hospital staff,** Recruiting; **Neuropsychiatric examination,** Female soldier; **Physical training,** Organization; **Shoe.**

Preston, A., jr. The Mental Hygiene Unit in a WAC Training Center. MS. 17p. n. p. [Before July 1945]

MS. in Histor. Div. SGO U. S. Army.

—— History of psychiatry in the Women's [Army Corps] MS. 41p. n. p., 1946.

MS. in Histor. Div. SGO U. S. Army.

United States. Army. Surgeon General's Office. Medical Statistics Division. Statistical Analysis Branch. Report No. 3–W: WAAC enrollment data; distribution of WAACs discharged from service due to disability, by cause, August, 1942 through May, 1943. 5 l. 27cm. Wash., 1943.

—— Report No. 4–W: WAAC enrollment data: Results of medical examinations of WAAC candidates April–July 1943. 11p. 27cm. Wash., 1943.

—— Report No. 5–W: WAC enlistment data: Results of medical examinations of white WAC candidates October–December 1943. 16p. 26½cm. Wash., 1944.

Contraceptives for WACS. Med. Econom., 1942–43, 20: No. 11, 97.—**Craighill, M. D.** Psychiatric aspects of women serving in the Army. Am. J. Psychiat., 1947–48, 105: 226–30.—**De Schweinitz, E.** Selection for the Women's Army Corps. News Lett. Am. Ass. Psychiat. Social Work., 1944–45, 14: 44–6.—**Enlistment,** health, and discharge of the WAC. Bull. U. S. Army M. Dep., 1946, 6: 276–87.—**Goodenough, F. L.** The selection of candidates for the officer candidate school at the Women's Army Auxiliary Corps Training Center. Psychol. Bull., 1942, 39: 634–7.—**Health** of the WAC. Bull. U. S. Army M. Dep., 1945, No. 86, 37.—**Kreinheder, W. R.** The WAACS are here. Mil. Rev., Fort Leavenw., 1942, 22: No. 86, 47–9.—**Long, C. F.** WAACs in the industrial army; problems of female employment. Pennsylvania Health, 1942, 3: No. 10, 6.—**Medical** rejection of white WAC candidates. Health (U. S. War Dep. Surg. Gen. Off.) 1944, Mar., 28.—**Menninger, W. C.** Women in the Army. In his Psychiat. in a Troubled World, N. Y., 1948, 102–20. ——— Psychological significance of WAC for men. Ibid., 107.—**Red** Cross trains WAACS. Red Cross Courier, 1942–43, 22: 16.—**Rogers, J. A.** Physical inspection of enrolled members of the Women's Army Corps. Circ. Letter U. S. Surg. Gen. War Dep., 1943, No. 135, 1.

WOMEN'S Medical Specialist Corps.

Vogel, E. E. Women's Medical Specialist Corps. In: Rep. Conf. Surg. General with Army Surgeons, Wash., 1948, Jan., 110–2.

WOMEN'S Royal Naval Service [W R E N S]

See also **Woman,** Great Britain.

Foulkes, J. F. Observations on the health of women on active service; the Women's Royal Naval Service. J. R. Nav. M. Serv., 1944, 30: 104–7.—**Rewcastle, A. G.** Minor maladies of WRENS. Ibid., 1942, 28: 215–8. ——— The health of the Women's Royal Naval Service. Ibid., 1946, 32: 97–105.—**Women's** Royal Naval Service; ordinary leave and sick leave; provisional rules. Ibid., 1940, 26: 84.

WOODSIDE throat.

See with **Respiratory system,** Disease: Incidence.

WOOL.

See also **Blanket; Uniform.**

Bayley, C. H., & Weatherburn, A. S. The application of oil to hospital blankets; laboratory experiments with wool. Proc. Com. Army M. Res. [Canada] 1944, 5. meet., No. 3, C. 6136, 1–11.—**França Junior, L.** Produção lanigera. Rev. mil. remonta vet., Rio, 1943–44, 6: No. 44, 53–64.—**Sensitivity** to uniforms. Bull. U. S. Army M. Dep., 1943, No. 69, 35.

WORK.

See also **Occupational therapy; Prisoner of war.**

Gorinevskaja. Trudoterapija. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 547–51.—**McCarthy, C. L., & Henze, C.** Kaiser Wilhelm Institut für Arbeitsphysiologie at Bad Ems and at Dietz a. d. Lahn. CIOS Rep., Lond., 1945, Item 24, No. XXVI–36, 1–16. ——— Summarization of a portion of the publications of the K. W. Institut für Arbeitsphysiologie for the years, 1942, 1943 and 1944. Ibid., 8–16.—**Ranke, O. F.** Allgemeines über Leistung und ihre Grenzen. In: Wehrhygiene (Handloser, S.) Berl., 1944, 379–89.—**Rylova, M. L.** Vlijanie na organizm čeloveka ekstrennogo vključenija dobavočnogo soprotivlenija dykhaniju vo vremja fizičeskoj raboty. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 231–7, ch.

WORKER.

See also **Industrial worker; Munition worker.**

R., H. Ein Beitrag zum Thema, Frauenarbeit im Kriege. Zschr. ärztl. Fortbild., 1941, 38: 511–3.—**Schauffler, G. C.** Women in heavy war work; obstetrical and gynecological aspects. Tr. Pacific Coast Soc. Obst. (1943) 1946, 13: 97–106.

WORKMEN'S Compensation.

See under **Disabled,** Employment.

WORK therapy.

See **Occupational therapy.**

WORLD War I [1914–1918]

Bicknell, E. P. In war's wake, 1914–15; the Rockefeller Foundation and the American Red Cross join in civilian relief. 276p. 20cm. Wash., 1936.

Blaschko, A. Welche Aufgaben erwachsen dem Kampf gegen die Geschlechtskrankheiten aus dem Kriege? 35p. 8°. Lpz., 1915.

Bogart, E. L. Direct and indirect costs of the great World War. 2. ed. 338p. 8°. N. Y. 1920.

Forms No. 24, Preliminary Econ. Studies of the War, of Carnegie Endowment for Internat. Peace.

Horne, C. F., & Austin, W. F. Source records of the Great War. 7v. 8°. Indianap., 1931.

Koch, T. W. War libraries and allied studies. 287p. 8°. N. Y., 1918.

—— Books in the war; the romance of library war service. 388p. 21cm. Bost., 1919.

Lange, F. W. T., & Berry, W. T. Books on the Great War; an annotated bibliography of literature issued during the European conflict. 4v. in 2. 8°. Lond., 1915–16.

Leblanc, H. Collection Henri Leblanc, destinée à l'Etat; la Grande guerre; iconographie, bibliographie, documents, divers. t. 1–5. 5v. 25½cm. Par., 1916–18.

Mercier, R. Le vrai visage du combattant, 1914–18. 217p. 8°. Par., 1932. Also 2. ed. 207p. 19cm. Madr., 1940.

Schwarte, M. Der grosse Krieg, 1914–18 in zehn Bänden. Bd 8, 9, 10. 8°. Lpz., 1921–23.

Wilson, L. N. The War collection at Clark University Library. 53p. 23cm. Worcester, 1918.

Forms No. 1, v.6, Pub. Clark Univ. Libr.

Bland-Sutton, J. Atrocities of war. Brit. M. J., 1919, **2**: 517–9.—**Boer, P.** [Tuberculosis statistics of armies in the World War] Geneesk. gids, 1927, **5**: 1064–70.—**Gasmunition** und hergestellte Kampfstoffmengen im Weltkriege. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 48–77.—**Gell, P. L.** Emigration after the war. Eugen. Rev., Lond., 1918, **10**: 88–91.—**Heidberg, A.** Das Volksvermögen einiger Kriegsgegner vor und nach dem Krieg. Umschau, 1925, **29**: 801.—**Koch, T. W.** British censorship and enemy publications. Libr. J., N. Y., 1917, **42**: 697–705.—**Lugaro, E.** Folie d'empereur ou aberration nationale? Chron. méd., Par., 1916, **23**: 3–11.—**Many** races at the war. Hospital, Lond., 1918, **65**: 69; 89; 93.—**Maurizio, A.** Aliments de famine pendant la guerre de 1914–18. In his Hist. aliment. végét., Par., 1932, 168–79.—**Mehl, H. G.** Gasmunition und hergestellte Kampfstoffmengen im Weltkriege; die Alliierten. In: Chem. Krieg (Hanslian, R.) 3. Aufl., Berl., 1937, **1**: 64–77.—**Mielenz, W.** Los medios químicos de combate en la gran guerra. Rev. mil., B. Air., 1938, **38**: pt 2, 1033–48.—**Robinson, W. J.** First thoughts on the World War. In his Doctor's Views on Life, Lond., 1927, 69–79. —— Revised thoughts on the causes of the World War. Ibid., 133–6.—**Thorpe, T. E.** Some aspects and problems of post-war science, pure and applied. Nature, Lond., 1921–22, **108**: 44–56.—**War** and pestilence, 1917–19. In: Hist. M. Soc. Distr. Columbia, Wash., 1947, pt 2, 68–74.—**Ward, R. DeC.** Weather controls over the fighting during the autumn of 1918. Sc. Month., 1919, **8**: 5–15.

—— Albania Retreat of Serbians (1915–1916)

Felix, M. [History of the health service of the Drina Division in 1914–15] Voj. san. glasnik, 1940, **11**: 701–30.—**Latham, F. E.** In the Serbian retreat. Nurse, Jamestown, 1916, **4**: 178–82.—**Ruvidić, Z. M.** [History of the sanitary service of the Drina Division during the retreat through Albania in 1915–16] Voj. san. glasnik, 1940, **11**: 529–42.

—— Anzac.

Begg, C. M. Field ambulance work at Anzac. Brit. M. J., 1915, **2**: 806.

—— Ardennes (1914)

Hron, A. [Study of the progress of the military sanitary service in the French and German Army Corps during the frontier battle in the Ardennes in 1914] Voj. zdrav. listy, 1936, **12**: 2–25.

—— Argonne-Meuse offensive.

Lyle, H. H. M. The principles of the surgery, hospitalization and the evacuation of the wounded in the Argonne-Meuse offensive. J. Mount Sinai Hosp. N. York, 1937–38, **4**: 752–62. Also Mil. Surgeon, 1939, **84**: 580–91.—**Pezold, v.** Als Chefarzt in den Argonnen. Med. Welt, 1933, **7**: 1849–51.—**Rieländer.** Ein Jahr hinter den Argonnen. Münch. med. Wschr., 1917, **64**: 763–5.

—— Asiago Plateau.

See with subheading (Italo-Austrian Front)

—— Australia and New Zealand.

Butler, A. G. The Australian Army Medical Services in the War of 1914–18. 3v. 21½cm. Melb. & Canberra, 1930–43.

Deakin, J. E. F. Some experiences with the No. 2 Australian Stationary Hospital. Med. J. Australia, 1917, **1**: 76–9.—**Dunhill, T. P.** Some surgical experiences at the front. Ibid., 1916, **1**: 360.—**Milligan, E. T. C.** Medical experiences in the war zone. Ibid., 1917, **1**: 201–3.—**Springthorpe, J. W.** Twelve months services at the front. Ibid., 1916, **1**: 355–60.—**Surgical** practice in naval warfare. Ibid., 1917, **1**: 554.—**Syme, G. A.** Surgical experiences at the war. Ibid., 1916, **1**: 277–9.—**Wallace, R. A. A.** Surgical experience at the front. Ibid., 67–71.—**Young, W.** Some notes on cases and treatment at base hospitals. N. Zealand M. J., 1916, **15**: 194–202.—**Zwar, B. T.** Remarks on war experience. Med. J., Australia, 1916, **1**: 361.

—— Austria-Hungary.

See also other subheadings (Hungary; Isonzo)

Breitner, B., & Rauch, R. Aerzte und ihre Helfer im Weltkriege 1914–18 (Helden im weissen Kittel) Apotheker im Weltkriege. 503p. 4°. Wien, 1936.

Barach, F. Ein Beitrag zu kriegschirurgischen Erfahrungen, Militärarzt, Wien, 1915, **49**: 92; 105.—**Berggren, S.** Minnen och erfarenheter från svenska sjukhuset i Wien. Tskr. mil. hälsov., 1916, **41**: 32–41.—**Dumas, G., & Aimé, H.** Les troubles mentaux et nerveux dans les armées austro-allemandes. J. psychol. norm. path., Par., 1915–17, **12**: 329–47.—**Eiselsberg, A. v.** Die letzten Vorkriegsjahre in Wien. In his Lebensweg &c., Innsbr., 1949, 211–8. —— Das erste Kriegsjahr. Ibid., 219–29. —— An den Fronten in Süd und Nord. Ibid., 243–59. —— Wieder an den Fronten. Ibid., 289–97. —— Die zwei letzten Kriegsjahre. Ibid., 298–337. —— Kriegschirurgische Erfahrungen. Ibid., 338–45. —— Die ersten Nachkriegsjahre bis 1927. Ibid., 346–71, 2 pl.—**Exner, A.** Kriegschirurgische Demonstrationen an der Klinik Hochenegg. Militärarzt, Wien, 1914, **48**: 404–6.—**Freund, E.** Die rheumatischen Erkrankungen im Krieg. Wien. klin. Wschr., 1915, **28**: 316–9.—**Hirsch, M., & Meissl, T.** Kriegschirurgische Erfahrungen. Ibid., 881–7.—**Hochenegg, J. v.** Einführung des praktischen Jahres für Aerzte. Wien. med. Wschr., 1918, **68**: 289–94.—**Horniker, E.** Ueber einige organisatorische und klinische Erfahrungen an Trachomformationen im Frontbereiche der ... ten Armee. Ibid., 10; 93.—**Lederer, C. W.** Feldpostbrief. Wien. klin. Wschr., 1915, **28**: 139.—**Marguliés, A.** Nervenerkrankungen im Kriege. Prag. med. Wschr., 1915, **40**: 299–301.—**Myrdacz.** Militärärztliche Neujahrsbetrachtung. Militärarzt, Wien, 1915, **49**: 1; 1916, **50**: 1.—**Raschofský, V.** [Organization and work of isolation hospitals in former Austro-Hungarian Army during the World War] Voj. zdrav. listy, 1927, **3**: 13–7.—**Schelven, T. v.** Ervaringen als neuroloog aan de ambulance in Oostenrijk-Hongarije. Ned. tschr. geneesk., 1917, **1**: 1621.—**Schleinzer, J.** Bericht über den feldärztlichen kriegschirurgischen Besprechungsabend bei der 4. Armee. Wien. klin. Wschr., 1915, **28**: 311; 335.—**Springer, C.** Chirurgische Erfahrungen im Felde. Prag. med. Wschr., 1914, **39**: 583–6.—**Vienna's** world war memorial to physicians. J. Am. M. Ass., 1937, **109**: 600.—**Wehrlin, K.** Militärärztliche Studienreise nach Innsbruck. Korbl. Schweiz. Aerzte, 1916, **46**: 353–67.—**Zrůnek, K.** [Trachoma in the World War] Voj. zdrav. listy, 1926, **2**: 102–14.

—— Bainsizza offensive.

See under subheading (Isonzo)

—— Balkan Peninsula.

See also other subheadings.

Vernillat, H. F., & Bénitte, A. C. La victoire du Skra-di-Legen et le fonctionnement du Service de santé (30 mai 1918) p.589–655. 24½cm. Par., 1938.

Rev. Serv. san. mil., Par., 1938, **109**:

Baehr, G. Medical experience in South-eastern Europe. Med. Rec., N. Y., 1917, **92**: 350.—**Brauer, L.** Die Tätigkeit des beratenden Klinikers auf dem Balkan und in Palästina.

In: Handb. ärztl. Erf. Weltkriege, Lpz., 1921, 3: 677–86.—**Jicinsky, J. R.** Letter from the Balkans. N. York M. J., 1915, 101: 741.—**MacDougall, A. B.** Dental experiences in the Balkans. Dent. Rec., Lond., 1920, 40: 674–81.—**Plotz, H,** Medical experiences in the Balkans. Med. Rec., N. Y., 1917. 92: 351.—**Sieveking.** Mit dem Vereinslazarettzug C 1 Hamburg nach dem Balkan. Deut. med. Wschr., 1916, 42: 455.—**Steuber, W.** Auf dem Balkan 1915–16. In his Arzt & Soldat, Berl., 1940, 235–68.

—— Baltic Area.

Kulenkamp. Brief aus Kurland. Deut. med. Wschr., 1917, 43: 597.

—— Belgium.

Langenhove, F. v. The growth of a legend; a study based upon the German accounts of francs-tireurs and atrocities in Belgium. 321p. 8° N. Y., 1916.

Maeterlinck, M., Buysse, C., & Dumont-Wilden, L. Belgium at war. 28p. 39cm. Brux., 1918.

Busch. Truppenverbandsplatz des Füs. Regts. 80 in der Schlacht bei Neufchateau, Belgien, 22. 8. 1914. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 136–44.—**Some** experiences in Brussels during the war. Guy's Hosp. Gaz., Lond., 1915, 29: 252–4.

—— Cameroons.

Fablan, W. In Kamerun im Weltkriege. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 250–5.—**Jojot, C.** Aperçu médical sur la campagne du Cameroun de 1914–16. Bull. Soc. path. exot., Par., 1916, 9: 584–91.

—— Canada.

Archibald, E. A. A brief survey of some experiences in the surgery of the present war. West. M. News, Regina, 1916, 8: 219; 267.—**Gibbon, J. M., & Mathewson, M. S.** Nursing sisters in the War of 1914–18. In their Three Cent. Canad. Nurs., Toronto, 1947, 294–312, illust.—**Malloch, T. A.** Hospital experiences in France. Canad. M. Ass. J., 1915, 5: 155–65.—**Vezina, C.** Quelques affections chirurgicales rencontrées pendant la guerre actuelle. Bull. méd. Québec, 1915–16, 17: 66–73.—**Wilson, R.** X-ray work in the Canadian Expeditionary Force. Am. J. Roentg., 1920, n. ser., 7: 26–30.

—— Carpathian Front.

Morowitz, B. F. Some observations and statistics of war surgery in the Carpathians. Med. Rec., N. Y., 1917, 91: 543–6.—**Wagner, K.** Bei der 3. Garde-Inf. Div. bei Lodz und dem Durchbruch nach Brzeziny im November 1914 und in den Karpathen 1915. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 23–33, illust.

—— Charleroi (Battle of, Aug. 1914)

Poirier, A. P. Le Service de santé d'un corps d'armée dans la bataille le 10e C. A. à Charleroi (août 1914) Rev. Serv. san. mil., Par., 1937, 107: 817–46.

—— Chateau Thierry.

See subheading (United States—Expeditionary Forces)

—— China.

Reynolds, W. G. Military surgery in Canton. China M. J., 1917, 31: 489–94.

—— Crimea.

Lodygensky, G. L'évacuation de la Crimée en novembre 1920. Rev. internat. Croix Rouge, 1921, 2: 12–9.

—— Czech Brigade.

Habrmann. [Agreements in treatment of war invalids] Věst. česk. lék., 1922, 34: 369.—**Polák, O.** Přehled operativní činnosti v c. a k. reservní nemocnici čís. 2. v P. I. oddél. Cas. lék. česk., 1917, 56: 493; 536; 578, 2 pl.—**Prášek, V.** Zdravotní zařízení v České družině. Ibid., 1919, 58: 776–8.—**Raše, R.** Zdravotní služba v Ceskoslovеské armádě v Rusku. Ibid., 755–7.

—— Dardanelles Operations.

Celles, R. Aux Dardanelles. Gaz. sc. méd. Bordeaux, 1915, 36: 66–9.—**Hamilton, I.** Operations in the Dardanelles, the difficulties of the Medical Service. Brit. M. J., 1915, 2: 482.—**Niyazi Ismet Gözcü** [Health service in the Turkish Army in the Dardanelles during the World War] Askerî sihhiye mecmuasi, 1938, 67: No. 23, 77–91, 4 tab.—**Rosenberger, W.** Sanitätsdienst beim Oberkommando der Meerengen, Abteilung in den Dardanellen. In: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 89–91.—**Sarrailhé, A., & Clunet, J.** La jaunisse des camps et l'épidémie de paratyphoïde des Dardenelles. Bull. Soc. méd. hôp. Paris, 1916, 3. ser., 40: 563–7.

—— Dobrudja.

F. Feldpostbrief aus der Dobrudscha. Münch. med. Wschr., 1917, 64: 1401–3.

—— Dvina.

Fressel, W. Vom Dünaübergang 1917. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 45–51.

—— East African Campaign.

Douglas, R. D. A. Experiences in the East African Campaign. S. Afr. M. Rec., 1920, 18: 203; passim.—**Hauer** [Reminiscences of the campaign in German East Africa] Militaerlaegen, 1935, 41: 200–4.—**Schulze, R.** Arzneiversorgung und Ersatzmittelbeschaffung während des Feldzuges in Deutsch-Ostafrika. Pharm. Zhalle, 1919, 60: 333; 347.—**Taute, M.** Aerztliches aus dem Kriege in Ostafrika, 1914–18. Arch. Schiffs Tropenhyg., 1919, 23: 525–54. ——— A German account of the medical side of the war in East Africa, 1914–18. East Afr. M. J., 1940–41, 17: 195; 271.—**Vaughan-Williams, H. W.** Medical services in the East African Campaign, 1916–17. S. Afr. M. J., 1941, 15: 9–12.—**Wilson, C. J.** Reminiscences of the last East African Campaign. East. Afr. M. J., 1939–40, 16: 282–7.

—— Eastern Front.

See also other subheadings (Carpathian Front; Russia)

Zum Busch. Als Chefarzt im Ostheer; Erlebnisse und Erfahrungen 1915–1919. 96p. 8° Berl., 1939.

Forms H. 107, Veröff. Heer. San.

Blumenthal, A. An der Ostfront in Polen; Feldpostbrief. Med. Klin., Berl., 1914, 10: 1835–7.—**Jacobi, F.** Chirurgische Erfahrungen von der Front im Osten. Klin. ther. Wschr., Berl., 1916, 23: 103–6.—**S.** Aus einem östlichen Kriegslazarett. Zschr. Krankenpfl., 1916, 37: 17–20.—**Werner, H.** Fünftagefieber und Malaria an der Ostfront. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 72–8.—**Wernicke, E.** Fleckfieberforschung und -bekämpfung im Felde, Osten. Ibid., 67–72.

—— Egypt.

Barrett, J. W. Summary of report on diseases of the ear, nose, and throat in Egypt from 1915. J. Lar. Otol., Lond., 1918, 33: 100–6.—**Manson-Bahr, P., & Fairley, N. H.** Observations on bilharziasis amongst the Egyptian Expeditionary Force. Parasitology, Lond., 1920–21, 12: 33–71, 5 pl.

—— European Theater.

Aguilar Oliva, E. La faz médico-militar de la Guerra europea; apuntes y observaciones. 129p. 19cm. Lima, 1916.

British Museum. Subject index of the books relating to the European War, 1914–18, acquired by the British Museum, 1914–20. 196p. 26cm. Lond., 1922.

Forms a supplement to its Subj. Index, Lond. (1916–20) 1922.

Friedberger, E. Zur Entwicklung der Hygiene im Weltkrieg. 238p. 8° Jena, 1919.

Reprinted with additions from Zschr. ärztl. Fortb., 1919, 14:

Hersch, L. La mortalité causéc par la guerre mondiale. Pt 2: La mortalité indirectement causée par la guerre. p.3–82. 24½cm. Padova, 1927.

Metron, Padova, 1927–28, 7:

Le Bon, G. Enseignements psychologiques de la guerre européenne. 364p. 18cm. Par., 1918.

Pickett, S. E. The European War. p.387–684. 22½cm. N. Y., 1922.

In: Hist. Am. Red Cross Nurs. (Dock, L. L.)

Brescher. Experiencia quirúrgica de los países aliados en la guerra 1914–18. Rev. san. mil., B. Air., 1937, 36: 138–51.—**Darricarrere.** La aero-termo-terapia en el tratamiento de las heridas de guerra; Guerra europea 1914–15. Prog. clín., Madr., 1915, 5: 111–20.—**Fernández, F. M.** Aspectos médicos de la guerra. Crón. méd. quir. Habana, 1916, 42: 130; passim; 1918, 44: 413; passim.—**Forbes, R. D.** War experiences in England and France. Northwest M., 1917, 16: 194; 227.—**Giffard, G. G.** Notes on my tour of instruction. Ind. M. Gaz., 1917, 52:

145; 185.—**Hornbogen, A. W.** A review of medicine and surgery with especial reference to the European war. J. Michigan M. Soc., 1916, **15**: 415–24.—**Johansson, S.** [Some remarks on surgery in the present war] Tskr. mil. hälsov., 1917, **42**: 17–30.—**Kuhn, P.** Die grossen Lehren des Weltkrieges auf dem Gebiete der öffentlichen Gesundheitspflege. Bl. Volkgesundhpfl., 1922, **22**: 69–73.—**Levy, E. C.** Some public health lessons of the war. Am. J. Pub. Health, 1918, **8**: 664–7.—**Mühlens, P.** Experiencias higiénicas verificadas durante la guerra mundial. Rev. cienc. méd., Méx., 1927, **6**: 147–54.—**Orcutt, P. D.** The white road of mystery; things seen, heard and felt on the ambulance, in dugouts and dressing stations. Red Cross Mag., 1918, **13**: 37–41.—**Peake, E. C.** Surgical experiences of the war. China M. J., 1917, **31**: 404–7.—**Piper, E. B.** Remarks on the surgery of European War; with a description of an irrigation system for perforating infected wounds. Tr. Philadelphia Acad. Surg., 1916, **18**: 174–80, pl.—**R., M.** Notas médicas de la guerra europea. Clin. mod., Zaragoza, 1914, **13**: 694–702.—**Reith-Fraser, A.** A review of the prophylaxis of venereal disease surveyed from the viewpoint of experience in Europe during the Great War. Hosp. Social Serv., 1926, **13**: 91–107.—**Sandwith, F. M.** War and disease; the great European war. Hospital, Lond., 1914–15, **57**: 417.—**Seidl, C.** Algumas informações medico-cirurgicas da guera européa. Brasil med., 1915, **29**: 57–61.—**War** (The) and after (continuation of the European war) Bull. N. York Pub. Libr., 1919, **23**: 336; 457; 764.—**Watts, H.** Some experiences in the war. Ind. M. Gaz., 1915, **50**: 321–6.—**Willcox, W. F.** Military losses in the World War. J. Am. Statist. Ass., 1927–28, **23**: 304.—**Wilson, L. N.** Posters and pictures relating to the European war. Pub. Clark Univ. Libr., 1916–17, **5**: No. 4, 1–11.—**Year** (A) of the war: the health of the armies. Lancet, Lond., 1915, 2: 308.

—— France.

Hardouin, H. J. Avec les Blues du 1er Grenadier de France. 601p. 12°. Par., 1934.

Kirchner, J. Deutsche Aerzte in französischer Gewalt; aus den Berichten von 50 deutschen Sanitätsoffizieren über Leiden und Grausamkeiten, die sie während ihrer Zurückhaltung in Frankreich erdulden mussten. 60p. 8°. Berl., 1918.

United States. War Department. Military Board of Allied Supply. Report: The allied armies under Marshal Foch in the Franco-Belgian Theatre of Operations. Vol. 2. 1173p. 8°. Wash., 1925.

Delépine, J. La Société des sciences médicales de Lille pendant la guerre. J. sc. méd. Lille, 1920, **38**: pt 1, 9; passim.—**Forestier, J., & Lumière, M.** Souvenirs du Mont-Cornillet Paris méd., 1921, **42**: annexe, 337–40.—**Fraser, A. N.** A tour of the battlefields in France. J. R. Army M. Corps, 1934, **63**: 106–9.—**Gariel.** Rapport sur l'heure d'été. Bull. Acad. méd., Par., 1918, 3. ser., **79**: 53.—**Lautre.** Oeuvres de guerre de la Haute-Garonne. Rev. philanthrop., Par., 1917, **38**: 178–84.—**Mamlock, G.** Aus Paris und London. Deut. med. Wschr., 1915, **41**: 562; 593.—**Rodiet, A.** Visions de Paris pendant la guerre. Arch. internat. neur., Par., 1926, 19. ser., **1**: 100; passim, 1927, 20. ser., **1**: 30; passim.—**Rumpf.** Das Feuerwehr-Regiment von Paris; im Weltkriege. Gasschutz, 1938, **8**: 92–6.—**Smith, A. L.** Some notes from the battle front in northern France. Brit. M. J., 1916, **1**: 581–3.—**Steuber, W.** In französischen Quartieren. In his Arzt & Soldat, Berl., 1940, 228–34.—**War** (The) and the statistics of population of France in 1914. J. Am. M. Ass., 1915, **65**: 2102.

—— France—Casualties and injuries.

Almes, A. Notes de chirurgie de guerre. Progr. méd., Par., 1917, **32**: 443; 1918, **33**: 41.—**Albee, F.** War surgery in France. Yearb. M. Ass. Gr. N. York, 1917, 30–6.—**Barclay, J. H.** With a surgical team in France and Belgium. Univ. Durham Coll. M. Gaz., 1920–21, **21**: 49–53.—**Brelet.** Note sur 3,000 victimes de la guerre de 1914–18. Bull. Soc. méd. hôp. Paris, 1948, **64**: 463–5.—**Casalis.** Notes on war wounds in France. S. Afr. M. Rec., 1915, **13**: 271.—**Ferraton.** La chirurgie de guerre de première ligne au XIVe Corps d'armée. Lyon chir., 1914–15, **12**: 565–601.—**French** surgery in this war. Brit. M. J., 1914, **2**: 762–4.—**Fumat, L.** Les étudiants de Bordeaux et la guerre. J. méd. Bordeaux, 1917, **47**: 206–11.—**Greenwood, A.** Surgery in a British Hospital in France. Tr. Coll. Physicians Philadelphia, 1918, 25–30.—**Guildal, P.** Krigskirurgiske Indtryk fra Frankrig (Vinter 1915–16) Hospitalstidende, 1916, 5. R., **9**: 649; 673.—**Laval, E.** Après quinze mois de guerre. Bull. méd., Par., 1915, **29**: 3–6.—**Mixter, W. J.** Surgical experiences in France. Boston M. & S. J., 1915, **173**: 413–8.—**Most, A.** Kriegschirurgisches aus dem Franzosenlazarett bei der ... Armee in R. ... Med. Klin. Berl., 1916, **12**: 120; 150.—**Nabias, de.** Médaille d'argent. Rev. gén. clin. thér., 1917, **31**: Suppl., p. cmxxi–cmxxv.—**Parrel, G. de.** Notes sur la chirurgie de l'avant. Ibid., 1915, **29**: 358–60.—**Pertes** de l'Armée française pendant la guerre. J. sc. méd. Lille, 1922, **40**: pt 2, 182–6.—**Schwartz, A.** La chirurgie dans les ambulances de l'avant. Paris méd., 1913–15, **15**: 512–5.—**Sergent, E.** Considérations sur la statistique du Centre de triage la Charité-le Vésinet, de juin 1916 à décembre 1917. J. méd. chir., Par., 1918, **89**: 643–8.—**Squirru, C. M.** Personal quirúrgico que se necesitó en la guerra 1914–18 en el sector francés. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 676–8.—**Trenel & Lelong.** Traumatisme crânien de guerre; délire d'interprétation tardif. Bull. Soc. clin. méd. ment., Par., 1927, **15**: 74–7.—**Tuffier.** Les résultats chirurgicaux pendant la dernière offensive de l'Aisne. Bull. méd., Par., 1918, **32**: 61–4.

—— France—Diseases and epidemics.

Crozat, J. *Mille deux cas de typhoïde pendant la guerre 1914–18. 28p. 8°. Par., 1919.

Guillain, G., & Barré, J. A. Travaux neurologiques de guerre. 463p. 23cm. Par., 1920.

Myers, C. S. Shell shock in France, 1914–18. 146p. 19cm. Cambr., 1940.

Beaujeu & Ehringer. Remarques cliniques sur une épidémie d'allure paratyphoïde observée à l'ambulance 14/8 du XXXe Corps d'Armée. Arch. méd. pharm. mil., 1914–15, **64**: 497–504.—**Brunon, R.** La fièvre typhoïde dans un hôpital auxiliaire. Caducée, Par., 1915, **15**: 43.—**Gaucher & Bizard.** La syphilis après deux ans de guerre. Bull. Acad. méd., Par., 1916, 3. ser., **76**: 575–83.—**Hanns, A.** La fièvre typhoïde pendant la guerre de 1914 à 1918. Rev. hyg., Par., 1930, **52**: 817–39.—**Mauriac, P., & Gaud.** Les héros de la maladie. J. méd. Bordeaux, 1916, **46**: 271–4.—**Ramond, F., & Chambas, G.** La scarlatine à la IVe Armée: le rhumatisme et l'ictère scarlatins. Arch. méd. pharm. mil., Par., 1916–17, **66**: 529.—**Rapport** adressé au Ministère de la guerre, le 12 août 1915, par le docteur David, Alphonse, médecin-major de 2 classe, sur l'épidémie de typhus exanthématique, qui a sévi au camp de Cassel, de janvier à juillet 1915. J. sc. méd. Lille, 1920, **38**: 240–4.—**Roshem, J.** En suivant les guerriers; souvenirs de l'aide-major d'un groupe de 75; trois morts. Paris méd., 1917, 22: Suppl. 118–20.—**Sacquépée.** Evolution générale des fièvres continues (fièvre typhoïde, paratyphoïde, etc.) dans la Ie armée. Presse méd., 1915, **23**: 317.—**Toubert.** Army health statistics during the war. J. Am. M. Ass., 1924, **82**: 315–7.—**X.** La neurologie de guerre. Presse méd., 1917, **25**: 217–20.

—— France—Medical organization and services.

Golen, H. de. Scandales médicaux pendant la guerre. 234p. 12°. Par., 1933.

History of the American field service in France, Friends of France, 1914–17; told by its members. 3v. 8°. Bost., 1920.

Krichevsky, J. N. Sanitarnaja slúžba francuzskoj armii vo vremja mirovoj voiny 1914–18 gg. 240p. 22½cm. Moskva, 1939.

Laval, E. Souvenirs d'un Médecin-Major, 1914–17. 237p. 8°. Par., 1932.

Livre d'or de la grande famille médicale: médecins, vétérinaires, pharmaciens; guerre 1914. Par., v.**1–2**, 1915–16.

Marquand, G. E. *Le poste de secours régimentaire dans la guerre actuelle. 66p. 8°. Bord., 1916.

Monument a la gloire des infirmières françaises et alliées victimes de leur dévouement, 1914–18. 54p. fol. Par., 1936.

Toubert, J. H. Le Service de santé militaire au Grand Quartier Général Français (1918–19) suivi de documents de statistique concernant la guerre mondiale et l'après-guerre. 154p. 8°. Par., 1934.

Alinat. De quelques considérations sur la radiologie aux armées pendant la guerre 1914–18. Montpellier méd., 1928, **50**: 369–79.—**Aubourg & Barret.** Une année de fonctionnement des deux camions radiologiques de la IVe armée. J. radiol. électr., 1914–15, **1**: 699–708.—**Bichelonne, H., & Mouriquand, E.** Ambulances chirurgicales proches du front des armées. Arch. méd. pharm. mil., 1916, **65**: 551–67.—**Bovier, L.** Sur l'amélioration du rendement dans les formations chirurgicales de traitement. Ibid., 1918, **69**: 809–16.—**Courboulés, R.** La chirurgie pendant la guerre. J. méd. Bordeaux, 1931, **108**: 1046–55.—**Crawford, H. De L.** The surgical work of a Casualty Clearing Station in France. Med. Press & Circ., Lond., 1917, **154**: 466–9.—**Cruchet, R.** Un journal médical des tranchées. J. méd. Bordeaux, 1915, **45**: 32.—**Cushing, H. W.** With the British medical corps in France. In his Consecr. medici, Bost., 1940, 79–96.—**Decourt, F.** Une nuit d'ambulance. Rev. gén. clin. thér., 1917, **31**: Suppl., p. dccxxxvii–dccxl.—**Duval, P.** Statistique opératoire d'un secteur chirurgical (Xe région, secteur Fougères-Granville-Dinard), du 1er janvier 1915 au 1er mars 1916. Bull. Soc. Chir. Paris, 1916, **42**: 893–8.—**Ernst, E. C.** Reminiscences of military roentgenology as experienced by members of the old St. Louis

Base Hospital Unit No. 21 in 1917 and 1919 in Rouen, France. Week. Bull. S. Louis M. Soc., 1940–41, **35**: 408–13.—**French** (The) Medical Service during the War, 1914–18. J. R. Army M. Corps, 1929, **52**: 38; 206; 280.—**Gross, G.** Fonctionnement de l'ambulance chirurgicale automobile No. 12 pendant la bataille de v. . . Arch. méd pharm. mil., 1916–17, **66**: 433–60.—**Guilleminot, H.** Résultats de dix-neuf mois d'expérience sur la radiologie de guerre. J. radiol. électr., 1916, **2**: 225–34.—**Haret, G.** La radiologie dans le Service de Santé de l'armée française pendant la guerre de 1914–18. Bull. Acad. méd., Par., 1919, 3. ser., **81**: 718–20.—**Judet.** Chirurgie à la guerre dans les ambulances de l'avant. Paris chir., 1916, **7**: 189–99.—**Jullien.** Les formations sanitaires dans la guerre actuelle. Lyon méd., 1916, **125**: 65–74.—**Langage** (Le) des chiffres et des graphiques; essai d'interprétation de quelques documents de la guerre 1914–18 concernant le Service de santé militaire. J. sc. méd. Lille, 1924, **42**: 294; 308; 345.—**Leotta, N.** L'opera svolta in Francia dal nucleo chirurgico No. 1. Gior. med. mil., 1919, **67**: 356–8.—**Martin, A.** A propos du fonctionnement intensif d'une ambulance chirurgicale de 1re ligne et du rôle d'un poste chirurgical avancé. Rev. chir., Par., 1916–17, **51**: 235–44.—**Monument** in memory of World War physicians (Lyons) J. Am. M. Ass., 1938, **111**: 637.—**Patel, M.** Etude sur le fonctionnement du Secteur chirurgical Nord de la VII e région (septembre 1915 à septembre 1916) Arch méd. pharm. mil., 1917, **67**: 453–71.—**Pickett, S. E.** French Service de santé. In. Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 579.—**Reverchon, L.** Les acquisitions de l'oto-rhino-laryngologie française au cours de la guerre 1914–18. Arch. méd. pharm. mil., 1921, **75**: 141–58.—**Savill, A.** Some recollections of work at the Scottish Women's Hospital in France. Am. J. Electrother., 1919, **37**: 345–50.—**Sieur.** La chirurgie pendant la guerre 1914–18. Progr. méd., Par., 1940, 7; 47. ——— Fonctionnement du service médical pendant la guerre 1914–18. Ibid., 305–17.—**Sollier.** La neurologie de guerre; décisions prises aux trois réunions des chefs des centres neurologiques. Lyon méd., 1916, **125**: 339–44.—**Stacy, H. S.** No. 2 Australian Casualty Clearing Station in France. Med. J. Australia, 1917, **2**: 437; 457, 2 pl.—**Strange, C. F.** The Chinese Hospital in France, 1917–19. Lancet, Lond., 1920, **1**: 990.—**Témoin.** La chirurgie de guerre dans les hôpitaux de l'arrière et du service d'évacuation des blessés. J. méd. chir., Par., 1914, **85**: 652–6.—**Tuffier, T.** A propos des services de l'avant; quatre mémoires envoyés. Bull. Soc. chir. Paris, 1915, n. ser., **41**: 2435–42.—**Vignes, H.** Les médecins pendant la guerre de 1914–19. Chron. méd., Par., 1921, **28**: 26.—**X.** Notes et impressions sur la médecine dans les tranchées. J. méd. Bordeaux, 1916, **46**: 55–8.

—— France—Naval forces.

Bonain, A. L., Dargein, G. [et al.] Rôle du Service de santé de la Marine française dans la protection sanitaire du bassin de la Méditerranée au cours de la grande guerre et après l'armistice (1914–21) p.487–541. 21½cm. Marseille, 1926.

Marseille méd., 1926, **63**:

Petit-Dutaillis, P. Ce qu'a vu et su des combats de Dixmude, 16 octobre–16 novembre 1914. p.839–93. 21½cm. Par., 1938.

Arch. méd. pharm. nav., 1938, **128**:

Seguin. Souvenirs médicaux de la brigade des fusiliers marins (septembre 1914 à decembre 1915) Arch. méd. pharm. nav., 1919, **108**: 401–17.—**Vignier, Coulomb & Jean.** Contribution à l'étude de la chirurgie de guerre d'après les observations de blessés du C. E. O traités à l'hôpital maritime permanent de Sidi-Abdallah. Ibid., 1917, **103**: 5; passim.

—— Galicia.

Potpeschnigg, K. Vom galizischen Kriegsschauplatze. Münch. med. Wschr., 1915, **62**: 136–9.—**Ruge.** Aus einem Feldlaboratorium, Galizien 1915–17. In: Streiflicht. Wirk. San. Korps Weltkriege (Muschold, P.) Oldenb., 1927, 78–82.—**Thormann, H.** Während der Durchbruchsschlacht in Ostgalizien Juli 1917. Ibid., 51.

—— Gallipoli.

Corbin, J. Experiences with the A. A. M. C. at Gallipoli. Med. J. Australia, 1916, **1**: 111–4.—**Dudgeon, L. S.** Personal experiences on the Gallipoli Peninsula and in the Eastern Mediterranean while a member of the War Office Committee for Epidemic Diseases and Sanitation. Proc. R. Soc. Med., Lond., 1915–16, **9**: 101–18.—**Edington, G. H.** With the 1/1st Lowland Field Ambulance in Gallipoli. Glasgow M. J., 1919, **92**: 30; passim.—**Hiltmann.** Mit den Maschinengewehren der Mittelmeerdivision an der Front auf Gallipoli. Deut. med. Wschr., 1935, **61**: 1696; 1739. Also in: Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 112–25.—**Medical** (A) view of the Gallipoli adventure. Lancet, Lond., 1916, **1**: 141.—**Morley, J.** Surgery on the Gallipoli Peninsula. Brit. M. J., 1915, **2**: 461–3.—**Patrick, A.** A note on typhoid and paratyphoid fever in the Gallipoli Campaign, 1915. J. R. Army M. Corps, 1938, **71**: 182–4.—**Tourneix.** Cinq mois de chirurgie de guerre, sur la presqu'île de Gallipoli. Bull. Soc. chir. Paris, 1917, n. ser., **43**: 174–7.

—— Germany.

See also other subheadings (Cameroons; East African Campaign; Tannenberg; Western Front)

Blond, K. Ein unbekannter Krieg; Erlebnisse eines Arztes während des Weltkrieges. 197p. 12° Lpz., 1931.

D'Abernon, H. V. D. V. Red Cross and Berlin Embassy, 1915–26; extracts from the diaries of Viscountess D'Abernon. 152p. 22½cm. Lond., 1946.

Deutsche medizinische Wochenschrift. Vor 20 Jahren; deutsches Arzttum im Weltkrieg; Erlebnisse und Berichte. 185p. 8° Lpz., 1935.

Germany. Reichsarchiv. Der Weltkrieg, 1914 bis 1918. 7v. 26cm. Berl., 1926–30.

CONTENTS

Die militärischen Operation zu Lande.
3. Der-Marne-Feldzug; von der Sambre zur Marne. 427p. 1926.
4. Der Marne-Feldzug; die Schlacht. 576p. 1926.
5. Der Herbst-Feldzug 1914; im Westen bis zum Stellungskrieg; im Osten bis zum Rückzug. 643p. 1929.
6. Der Herbst-Feldzug 1914; der Abschluss der Operationen im Westen und Osten. 500p. 1929.

Das deutsche Feldeisenbahnwesen. 1. Bd: Die Eisenbahnen zu Kriegsbeginn. 247p. 1928.

Kriegsrüstung und Kriegswirtschaft.
1. Der militärische wirtschaftliche und finanzielle Rüstung Deutschlands von der Reichsgründung bis zum Ausbruch des Weltkrieges. 496p. 1930. Also Anlagen zum 1. Bd. 480p. 1930.

Mirman, L., Simon, G., & Keller, G. Their crimes. Trans. from the French. 64p. 8° Lond., 1917.

Müller-Kiel, U. Die chemische Waffe im Weltkrieg und—jetzt. 12.—16. Aufl. 164p. 21½cm. Berl., 1943.

Aleman, O. [Report of a study tour of Germany, January and February 1917] Tskr. mil. hälsov., 1917, **42**: 105–36.—**Altgelt.** Erinnerungen an Etappe 2. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 216–22.—**Bonne.** Was schicken wir unseren Tapferen im Winter ins Feld? Frauenarzt, 1916, **31**: 98–100.—**Brüser, J.** Die Versorgung unserer Feldtruppen mit Lesestoff. Soziale Prax., 1916–17, **26**: 21–5.—**Ewert, H.** Die Beschiessung der Heil- und Pflegeanstalt Tapiau durch schwere russische Artillerie im August 1914. Zschr. ges. Krankenhauswes., 1936, 613.—**Grimme.** Die Entwicklung des deutschen zivilen Luftschutzes; im Weltkriege. Gasschutz, 1938, **8**: 186–9,—**Heindl, R.** Kriminalität und Krieg. Arch. Krim., Lpz., 1926, **78**: 63.—**K., M.** Ein heisser Tag. Berl. klin. Wschr., 1914, **51**: 1778.—**Klaussner.** Kriegsbriefe aus der Kriegslazarettabteilung 1. Bayr. Armeekorps. Münch. med. Wschr., 1914, **61**: 1956–8.—**Körte, W.** Brief aus dem Felde. Berl. klin. Wschr., 1914, **51**: 1927.—**Krieg, E.** Erlebnisse eines Feldarztes. Med. Korbl. Württemberg, 1915, **85**: 53–8.—**Münzer, A.** Kriegsskizzen. Berl. klin. Wschr., 1914, **51**: 1735; passim.—**Pezold, v.** Vor zwanzig Jahren; erste Eindrücke. Deut. med. Wschr., 1934, **60**: 1180.—**Rodenwaldt, E.** Hygienische Erfahrungen aus dem Weltkriege von aussereuropäischen Kriegsschauplätzen. Med. Welt, 1935, **9**: 1595–8.—**Schloesser.** Kriegsbriefe aus der Kriegslazarettabteilung 1. Bayr. Armeekorps. Münch. med. Wschr., 1914, **61**: 2080.—**Schultzen.** Kriegsärztliches aus Feld und Heimat. Deut. med. Wschr., 1915, **41**:1441.—**Scott-Williams, A.** Some experiences in Germany in 1914–15-S. Barth. Hosp. J., Lond., 1916–17, **24**: 51.—**Steuber.** Mensch: liche Unzulänglichkeit, die Tragik des Arztes im Felde. In) Streiflicht. Wirk. San. Korps Weltkriege (Muschold, P. Oldenb., 1927, 262–5, illust.—**Tschermak.** Aerztliche Eindrücke an der deutschen Front. Deut. med. Wschr., 1916, **42**: 495.—**Wetzell.** Gedanken zum X. Band des Weltkriegswertes über das Kriegsjahr 1916. Mil. Wbl., Berl., 1936–37, **121**: 214; passim.

—— Germany—Casualties.

See also subheading (Germany—Surgical aspect)

Jeannest, P. M. J. A. Les pertes allemandes pendant la guerre 1914–18, d'après la statistique de guerre allemande. p.701–64. 24cm. Par., 1935.

Arch. méd. pharm. mil., 1935, **102**:

Payr, E. Der frische Schädelschuss. p.285–410. 27cm. Lpz., 1922.

In: Handb. ärztl. Erfahr. Weltkriege, 1922, 1: pt 1.

VAERTING, M. Wie ersetzt Deutschland am schnellsten die Kriegsverluste durch gesunden Nachwuchs? 71p. 24½cm. Münch., 1916.
Forms H. 38, Arzt als Erzieher.

Czerny, V. Aus Verwundetenlazaretten. Deut. med. Wschr., 1914, **40:** 1718.—**Death-rate** (The) in Berlin during the first six months of the war. Brit. M. J., 1915, **2:** 302.—**Gottstein.** Die Sterblichkiet in Berlin während des ersten Kriegshalbjahrs. Deut. med. Wschr., 1915, **41:** 740.—**Hezel, O.** Kriegsverletzungen des peripherischen Nervensystems. Med. Klin., Berl., 1914, **10:** 1663.—**Kolb, K.** Ueber die ersten Kriegsverletzungen im Vereinslazarett Schwenningen a. N. Münch. med. Wschr., 1914, **6:** 2148.—**Lindner, K.** Augenärztliche Erfahrungen aus dem Weltkriege. Deut. med. Wschr., 1940, **66:** 509–11.—**Loebell, v.** Beitrag zur Frage der Verluste unserer Infanterie in den Erstschlachten 1870 und 1914. Mil. Wbl., Berl., 1937–38, **122:** 1560.—**Oppenheim, H.** Ueber Kriegsverletzungen des zentralen und peripherischen Nervensystems. Münch. med. Wschr., 1915, **62:** 196.—**Sturm, A., & Wilke, H.** Ergebnis einer Umfrage bei Hirnverletzten des Weltkrieges 1914–18. Med. Klin., Berl., 1944, **40:** 213–6.

—— Germany—Diseases and epidemics.

GERMANY. REICHSMINISTERIUM. Sanitätsbericht über das Deutsche Heer (Deutsches Feld- und Besatzungsheer) im Weltkriege 1914/18. 3. Bd: Die Krankenbewegung bei dem Deutschen Feld- und Besatzungsheer. Anlage: Gefechtskalender des Deutschen Heeres im Weltkriege 1914–18. 182p.; 145p. 4° Berl., 1934–35.

RIEGELSBERGER, T. *Der Tetanus im Weltkrieg 1914/18 unter besonderer Berücksichtigung der Pathogenese, Häufigkeit und Prophylaxe [Freiburg i. B.] 20p. 21cm. Bielefeld, 1937.

WEYGANDT, W. Die Geisteskrankheiten im Kriege. p.205–57. 26cm. Wiesb., 1917.
In: Kriegsbeschäd. Nervensyst. (Hezel, F. O.) Wiesb., 1917.

Blind. Kriegsbeobachtungen über Rheumatismus. Münch. med. Wschr., 1916, **63:** 880.—**Bonhoeffer, K.** Psychopathologische Erfahrungen und Lehren des Weltkriegs. Ibid., 1934, **81:** 1212–5.—**Bostroem, A.** Neurologische und psychologische Fronterfahrungen eines Truppenarztes. Med. Klin., Berl., 1917, **13:** 1310–4.—**Bunse, P.** Statistische Mitteilungen über das Material einer Armee-Nervenabteilung. Zschr. ges. Neur. Psychiat., 1919, **50:** 153–73.—**Bussenius, W.** Die Tuberkulose im Weltkriege. In: Handb. ärztl. Erfahr. Weltkriege, 1921, **3:** 398–439.—**Dorendorf, H.** Sogenannte rheumatische Erkrankungen. Ibid., 638–76.—**Epidemic** (An) of paratyphoid A in a German regiment. Brit. M. J., 1917, **1:** 169.—**Fromme.** Die Weilsche Krankheit. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 222–33, illust.—**Fürnrohr, W.** Einige seltenere Beobachtungen aus der Kriegsneurologie. Deut. Zschr. Nervenh., 1918, **58:** 322–58.—**Gaupp, R.** Die psychischen und nervösen Erkrankungen des Heeres im Weltkrieg. Deut. Militärarzt, 1940, **5:** 358–68.—**Gerber.** Beobachtungen aus dem Kriegslazarett. Deut. med. Wschr., 1916, **42:** 1305.—**Heilbronn.** Eine eigenartige Truppenepidemie. Münch. med. Wschr., 1915, **62:** 938.—**Helly, K.** Pathologische und epidemiologische Kriegsbeobachtungen. Ibid., 1916, **63:** 98.—**Hoffmann, W.** Die Cholera im Weltkrieg. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 60–7, illust.—**Hotz, G.** Aerztliche Erfahrungen aus einem deutschen Reservelazarett. Korbl. Schweiz. Aerzte, 1915, **45:** 14–22.—**Hünermann.** Streiflichter aus der Seuchenbekämpfung im Felde. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 52–60, illust.—**Klinger.** Paratyphus-A-Erkrankungen im Felde. Münch. med. Wschr., 1915, **62:** 1769.—**Kretschmer, W.** Ueber die Paratyphus-Sektionsbefunde im Bereich der 1. Armee (1. Juli 1917 bis 1. Februar 1918) Deut. Arch. klin. Med., 1935, **178:** 298–307.—**Lehmann, E.** Paratyphus A im Felde. Münch. med. Wschr., 1916, **63:** 97.—**Leppmann.** Psychiatrische und nervenärztliche Sachverständigentätigkeit im Kriege. Kriegsärztl. Vortr., 1917, T. 4, 33–54.—**Löwy, M.** Neurologische und psychiatrische Mitteilungen aus dem Kriege. Mschr. Psychiat., 1915, **37:** 380–8.—**Marcus, H.** [Neurological observations on a study tour in Germany 1918] Sven. läk. säll. förh., 1918, 619–34.—**Matthes, M.** Russische Trichinose. In: Handb. ärztl. Erfahr. Weltkriege, 1921, **3:** 335–9.—**Meyer, E.** Psychosen und Neurosen in der Armee während des Krieges. Deut. med. Wschr., 1914, **40:** 2085–8.—**Musehold, P.** Ergänzendes zur Seuchenbekämpfung. In his Streiflicht. Wirk. San. Korps Weltkriege, Oldenb., 1927, 83–6.—**Nonne, M.** Therapeutische Erfahrungen an den Kriegsneurosen in den Jahren 1914–18. In: Handb. ärztl. Erfahr. Weltkriege, 1922–34, **4:** 102–21.—**Peltesohn, S.** Kasuistische Mitteilungen aus meiner Tätigkeit im Felde. Berl. klin. Wschr., 1920, **57:** 40.—**Phleps, E.** Neurosen bei Soldaten im Weltkriege. Klin. Wschr., 1940, **19:** 333. Also Med. Klin., Berl., 1940, **36:** 422.—**Rohde, M.** Neurologische Betrachtungen eines Truppenarztes im Felde. Zschr. ges. Neur. Psychiat., 1915, Orig., **29:** 379–415.—**Schmidt, A.** Ueber die rheumatischen Erkrankungen im Felde. Med. Klin., Berl., 1914, **10:** 1755.—**Schüller, A.** Kriegskasuistische Mitteilungen. Militärarzt, Wien, 1915, **49:** 323–6.—**Strasser, A.** Ueber rheumatische Affektionen im Felde und über Tornisterdruckneuralgien. Zschr. phys. diät. Ther., 1915, **19:** 310–4.—**Tobias, E.** Ergebnisse der bisherigen Kriegserfahrungen auf dem Gebiete des Nervensystems. Deut. med. Wschr., 1916, **42:** 109; 139.—**Typhus** in the Wittenberg camp. Pub. Health, Lond., 1915–16, **29:** 179.—**Weygandt, W.** Psychiatrisch-neurologischer Rückblick auf den Weltkrieg. Psychiat. neur. Wschr., 1934, **36:** 589; 609; 617.—**Wilmanns.** Die Behandlung der Kranken mit funktionellen Neurosen im Dienstbereich des XIV. Armeekorps. Deut. med. Wschr., 1917, **43:** 427.—**Wolff, F.** Aerztliche Betrachtungen an der Front. Bl. Volksgesundhpfl., 1916, **16:** 86–9.—**Zumbusch, L. v.** Die Geschlechts- und Hautkrankheiten im Weltkrieg. Münch. med. Wschr., 1934, **81:** 1210–2.

—— Germany—Medical organization and services.

DÖLGER, R., & EINÖDER, J. Das Feldlazarett im Weltkrieg, 1914–18; ein Tag in einem Feldlazarett. 42p. 8° Mühldorf, 1934.

GERMANY. REICHSKRIEGSMINISTERIUM. Sanitätsbericht über das Deutsche Heer (Deutsches Feld- und Besatzungsheer) im Weltkriege 1914/1918. 1. Bd: Gliederung des Heerensanitätswesens. 332p. 4° Berl., 1935.

—— [The same] 2. Bd: Der Sanitätsdienst im Gefechts- und Schlachtenverlauf im Weltkriege 1914/18. Kartenband zum 2. Bd. 2v. 4° Berl., 1938.

HIS, W. [Die Front der Aerzte] A German doctor at the front. Transl. by G. M. Blech and J. R. Kean. 230p. 8° Wash., 1933.

KLEIBER, G. Die Sanitäts-Kompagnie Nr. 260 im Weltkriege 1914–18; nach Kriegstagebüchern. 156p. 21½cm. Brandenb., 1930.

MUSEHOLD. P. Streiflichter aus dem Wirken des Sanitätskorps im Weltkriege; unter Benutzung der Akten des Reichsarchivs. 268p. 22cm. Oldenburg i. O., 1927.
Forms No. 196, of Schriftenfolge, Erinnerungsbl. Deut. Regimenter.

SILEX, P., & HIRSCH, B. Bericht über unsere dreijährige Tätigkeit an der Blinden-Lazarettschule des Vereinslazaretts St. Maria Viktoria-Heilanstalt zu Berlin, 22. November 1914 bis 22. November 1917. 72p. 25½cm. Berl., 1918.

Beitzke, H. Meine Erfahrungen als Armeepathologe im Weltkrieg. Münch. med. Wschr., 1940, **87:** 465.—**Czyżewicz, A.** Służba zdrowia armji niemieckiej w pierwszych latach wojny światowej. Lek. wojsk., 1932, **20:** 943; passim.—**Dubois, M.** La pratique médicale allemande dans un hôpital de l'arrière. Paris méd., 1919, **32:** annexe, 65.—**Fröschels, E.** Eine sprachärztliche Kriegsabteilung. Med. Klin., Berl., 1915, **11:** 1377.—**Heuss, R. v.** Gliederung des Heeressanitätswesens im Weltkrieg 1914–18. Münch. med. Wschr., 1937, **84:** 1089–91.—**Ihde, K.** Die Kriegsverwendung des Zahnarztes unter Berücksichtigung seiner Tätigkeit im Weltkrieg 1914–18. Zahnärztl. Mitt., 1936, **27:** 23–5.—**Kersting.** Die Leistungen des deutschen Sanitätsdienstes im Weltkriege. Deut. Militärarzt, 1936, **1:** 369–74.—**Kramer.** Mitteilungen aus ärztlicher Tätigkeit im Kriege. Münch., med. Wschr., 1915, **62:** 664–7.—**Kulakowski, M.** [Organization of health service in the German Army during the world war 1914–18] Lek. wojsk., 1938, **32:** 549–70.—**Meissner, P.** Aerztliche Tätigkeit an der Front. Zschr. ärztl. Fortbild., 1916, **13:** 554–63.—**Meyer, H. H., & Moeller, J.** Zur Arzneiverordnung im Kriege. Klin. ther. Wschr., Berl., 1915; **22:** 405–8.—**Pannwitz, K.** Als Sanitätstransport-Kommissar im Weltkriege. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 256–61.—**Schultzen.** Kriegsärztliches aus Feld und Heimat. Zschr. ärztl. Fortbild., 1916, **13:** 126–31.—**Servicios** (Los) de sanidad militar en Alemania durante la Gran guerra. Rev. san. mil., Madr., 1935, **25:** 77–82.—**Steuber.** Sanitätsdienst bei der I. Armee, August und September 1914; ein Rückblick. Deut. med. Wschr., 1936, **62:** 438–42.—**Takeuti, K.** Osyū-taisen ni okeru Doitu-Rikugun Eisei-bu no katudō ni tuite [Activities of the Sanitary Corps of the German Army in the European War (World War I)] Gun idan zassi, 1928, 223–30.

—— Germany—Naval forces.

EVERS. Die Avitaminosen auf deutschen Hilfskreuzern während des Weltkrieges. 42p. 8° Berl., 1931.
Forms H. 20, Veröff. Marine San.

GLEITSMANN, H. Beobachtungen und Betrachtungen über die hauptsächlichsten Allgemeinerkrankungen, die in der Deutschen Marine auf den Schiffen und bei den Marineteilen am Lande im Kriege 1914–18 vorgekommen waren. 450p. 4° Berl., 1935.

Forms vol. 3, Kriegssanitätsber. Deut. Marine 1914–18.

Amelung. Ueber besondere Aufgaben des Marine-Sanitätsdienstes im Weltkriege. In: Streiflicht. Wirk. San. Korps Weltkriege (Muselold, P.) Oldenb., 1927, 247–9.—**Gleitsmann, H.** Der Scharlach in der Marine im Kriege 1914–18. In: Kriegssan. Ber. Deut. Marine, Berl., 1935, **3**: 187–204.—**Trembur, R. H.** Kriegssanitätsbericht über die Deutsche Marine 1914–18. Deut. med. Wschr., 1936, **62**: 978–80.—**Uthemann, W.** Marinesanitätsdienst im Weltkrieg. Ibid., 1934, **60**: 1933; 2005.

—— Germany—Public health aspects.

LOTTMANN, K. K. H. F. Einfluss des Krieges auf den Gesundheitszustand in Arnstadt in Thüringen (Auszug) 8p. 8° Arnstadt, 1920.

RUBNER, M. Report on food supply made in the Reichsgesundheitsrat, on December 20, 1917. p.1–66. 33cm. Trier, 1919.

In: Final Rep. Civil Aff. Dep. San. Pub. Health Trier, 1919.

Achner, L. Die Lebenshaltung des Mittelstandes in der Vorkriegszeit und Gegenwart. Allg. statist. Arch., 1925–26, **15**: 355–79.—**Bauer, F.** Om Tysklands folknäring under kriget och för närvarande [Discussion] Sven. läk. säll. förh., 1919, 63–72.—**Braun, A. H.** Die Bevölkerung einer bayrischen Mittelstadt (Passau) im Kriege; Nachtrag 1917. Klin. ther. Wschr., 1919, **26**: 21–8.—**Hanauer, W.** Der Krieg und die Krankenversorgung der Zivilbevölkerung. Deut. Vjschr. öff. Gesundhpfl., 1915, **47**: 255–65.—**Heidelberg** in time of war. Brit. M. J., 1915, **1**: 520.—**Kellner, F.** Die Kriegs- und Nachkriegsfolgen für die Gesundheit des deutschen Volkes. Veröff. Medverwalt., 1926–27, **23**: 259–67.—**Mason, C. C.** The food problem in Germany, 1914–18. Final Rep. Civil Aff. Trier Dep. San. Pub. Health, 1919, No. 2, 1–46, 18 ch.—**Paterson, J. J.** Post-war conditions in Germany. Med. Off., Lond., 1922, **28**: 76.—**Rupp.** Die Einwirkung des Krieges auf die chirurgischen Erkrankungen. Münch. med. Wschr., 1919, **66**: 946.

—— Germany—Sanitation.

TRIER, GERMANY. DEPARTMENT OF SANITATION AND PUBLIC HEALTH. Final reports: Civil affairs. 70 l. 33cm. Trier, 1919.

Neter, E. Einige Bemerkungen über die gesundheitlichen Verhältnisse an der Front. Münch. med. Wschr., 1926, **73**: 1366–8.—**Pause, E.** Schützengraben im Bellum gallicum. Deut. med. Wschr., 1915, **41**: 1317.—**Reasoner, M. A.** German sanitation as observed during the American Occupation. Mil. Surgeon, 1927, **60**: 146–54.

—— Germany—Surgical aspect.

GUNDERMANN, W. *Kriegschirurgischer Bericht aus der Giessener Klinik über die ersten 5 Monate des Krieges [Giessen] 58p. 8° Tüb., 1915.

Also in Beitr. klin. Chir., 1915, **97**: (Kriegschir. H. 2) 479–537.

Albrecht, H. Kriegschirurgische Erfahrungen aus dem Feldlazarett. Münch. med. Wschr., 1915, **62**: 420–22.—**Brunner, C.** Kriegschirurgische Eindrücke aus deutschen Lazaretten. Korbl. Schweiz. Aerzte, 1915, **45**: 210–4.—**Danielsen, W.** Kriegschirurgische Erfahrungen in der Front. Münch. med. Wschr., 1914, **61**: 2294–6.—**Dreyer, L.** Erste kriegschirurgische Eindrücke. Deut. med. Wschr., 1914, **40**: 1789.—**Dubs, J.** Die wichtigsten feldchirurgischen und sanitätstaktischen Ergebnisse des Weltkrieges. Schweiz. med. Wschr., 1936, **66**: 725–8. ——— Aus der kriegschirurgischen Statistik des Weltkrieges 1914–18. In his Feldchirurgie, 2. Aufl., Zür., 1941, 414–38.—**Emanuel, C.** Augenärztliche Erfahrungen in Feldlazaretten. Klin. Mbl. Augenh., 1918, **61**: 293–302.—**Enderlen.** Erfahrungen eines beratenden Chirurgen. Beitr. klin. Chir., 1916, **98**: (Kriegschir. H. 3) 419–25.—**Engel, E.** Einige neuere chirurgische Erfahrungen. Deut. med. Wschr., 1915, **41**: 1333.—**Gerber.** Beobachtungen am Kriegslazarett. Zschr. Laryng., 1916–18, **8**: 261–88.—**German** experiences of war surgery. Brit. M. J., 1915, **2**: 110; passim.—**Goebel, K.** Bemerkungen zur Verbands- und Operationstechnik bei den Sanitätsformationen der vorderen Linie. Deut. med. Wschr., 1917, **43**: 103.—**Hedlund, J. A.** Krigskirurgiska anteckningar från studieresor i Tyskland 1914 och 1916. Allm. sven. lak. tidn., 1916, **13**: 1009–28.—**Holländer.** Kasuistisches aus der Kriegschirurgie. Berl. klin. Wschr., 1916, **53**: 354.—**Hufschmid.** Die Berechtigung zur Vornahme sogenannter Friedensoperationen in Feld- und Kriegslazaretten der vorderen Linie. Münch. med. Wschr., 1916, **63**: 514.—**Jess, A.** Augenärztliche Erfahrungen im Felde. Deut. med. Wschr., 1918, **44**: 1262. ——— Die Augenheilkunde im Weltkriege. Münch. med. Wschr., 1935, **82**: 1941–5.—**Kahler, O., & Amersbach, K.** Kriegschirurgische Erfahrungen aus dem Gebiete der Rhino-Laryngologie im ersten Kriegsjahre. Arch. Lar. Rhinol., Berl., 1916, **30**: 111–38, pl.—**Kraske, P.** Chirurgische Beobachtungen vom Kriegsschauplatz. Münch. med. Wschr., 1914, **6**: 1885.—**Krause, F.** Chirurgische Erfahrungen aus dem Felde. Med. Klin., Berl., 1917, **13**: 1–3.—**Levi-Sander, E.** Augenärztliches aus einem Feldlazarett. Klin. Mbl. Augenh., 1918, **60**: 266–72.—**Levy, W.** Die ersten Wochen kriegschirurgischer Tätigkeit. Berl. klin. Wschr., 1914, **51**: 1699–701.—**Litthauer, M.** Kasuistische Mitteilungen zur Kriegschirurgie. Ibid., 1916, **53**: 12–5.—**Makkas, M.** Kriegschirurgische Erfahrungen und Eindrücke. Deut. med. Wschr., 1914, **40**: 231–4.—**Matti, H.** Ergebnisse der bisherigen Kriegschirurgischen Erfahrungen. Ibid., 1915, **41**: 1447; 1481.—**Melchior, E.** Kriegschirurgisch-therapeutische Erfahrungen aus einem Heimatlazarett. Ther. Mhefte, 1915, **29**: 390–9.—**Nordmann, O.** Kriegschirurgische Erfahrungen im Feldlazarett. Med. Klin., Berl., 1915, **11**: 3; 29.—**Rehn, L.** Kriegserfahrungen eines beratenden Chirurgen. Beitr. klin. Chir., 1916, **96**: (Kriegschir. H. 1) 116–28.—**Schlange.** Chirurgische Beobachtungen und Erfahrungen im Felde. Münch. med. Wschr., 1914, **61**: 2193.—**Stachow & Wiewiorowski.** Erste kriegschirurgische Eindrücke. Deut. med. Wschr., 1914, **40**: 1958.—**Strauss, M.** Chirurgische Erfahrungen aus dem Feldlazarett. Med. Klin., Berl., 1914, **10**: 1759–63.—**Stutzin & Diesing.** Statistisches über 222 kriegschirurgische Eingriffe. Deut. med. Wschr., 1916, **42**: 190.—**Twenty** months surgical field service with the German army. Brit. M. J., 1917, **1**: 237–9.—**Uhthoff, W.** Kriegs-ophthalmologische Erfahrungen und Betrachtungen. Berl. klin. Wschr., 1916, **53**: 5–9.—**Voigt, J.** Kriegschirurgisches aus den ersten vier monaten des Krieges. Med. Klin., Berl., 1915, **11**: 272.—**Was** die Franzosen von der deutschen Kriegschirurgie halten und was sie in Wirklichkeit geleistet hat. Deut. mil. ärztl. Zschr., 1919, **48**: 123–6.—**Wessely.** Kriegsophthalmologische Demonstrationen. Münch. med. Wschr., 1917, **64**: 22.

—— Great Britain.

Coleman, F. Incidents and accidents in the Great War. Brit. Dent. J., 1940, **68**: 271–7.—**Collins, W. J.** Notes and reflections from the front. Brit. M. J., 1914, **2**: 935.—**Doctor's** (The) war. J. R. Army M. Corps, 1931, **57**: 268; passim.—**Fairplay.** Risks and rewards. Brit. M. J., 1919, **1**: 25.—**Hunter, S. R.** Reminiscences of Janesh, 1916–17. Ulster M. J., 1935, **4**: 1–11.—**London** letter: the war. J. Am. M. Ass., 1917, **68**: 991.—**Mosher, E. M.** Medical war notes. Woman M. J., 1917, **27**: 244.

—— Great Britain—Casualties and diseases.

MITCHELL, T. J., & SMITH, G. M. History of the Great War based on official documents; medical services, casualties and medical statistics of the great war. 382p. 8° Lond., 1931.

SALMON, T. W. The care and treatment of mental diseases and war neuroses (shell shock) in the British Army. 102p. 24½cm. N. Y., 1917.

Baird, H. Psychoses in officers in the 1914–18 war. J. Ment. Sc., Lond., 1941, **87**: 109–14.—**Bransby, E. R., & Lindley, D. V.** Mortality during the 1st World War and during and after the 2nd World War. Month. Bull. Min. Health Gr. Britain, 1950, **9**: 2–12.—**Dillon, F.** Neuroses among combatant troops in the Great war. Brit. M. J., 1939, **2**: 63–6.—**Etiology** (The) of some obscure war diseases. Lancet, Lond., 1917, **2**: 391.—**Fell, M.** Casualties in war. Med. Press & Circ., Lond., 1927, n. ser., **124**: 75.—**Graux, L.** Ambulance notes. Ibid., 1915, n. ser., **99**: 61.—**Greenlees, T. D.** The war, impressions: neuro- and psychological. Caledon. M. J., 1915–16, **10**: 183–7.—**Greenwood.** British loss of life in the wars of 1794–1815 and in 1914–18. J. R. Statist. Soc., Lond., 1942, **105**: 1–16.—**Kohn, F.** Experiences of typhus fever. Bristol Med. Chir. J., 1942, **59**: 13–6.—**Loss** of animals in the war (British Army) Vet. Bull., Wash., 1920, **6**: Suppl., No. 3, 3.—**Love, A. G.** Casualties and medical statistics of the British forces during the Great War. Mil. Surgeon, 1932, **70**: 109–27.—**Medical** lessons of the war. Brit. M. J., 1915, **2**: 900.—**Proportion** (The) of recoveries among the wounded. Ibid., 414; 483.—**Soltau, A. B.** War wastage from minor ailments. Lancet, Lond., 1922, **2**: 694.—**War** losses and burdens. Brit. M. J., 1923, **1**: 483.—**Wounded** (The) from the Passchendaele actions. Ibid., 1917, **2**: 534.

—— Great Britain—Medical organization and service.

Browne, J. A. Volunteer surgeons for French hospitals. Lancet, Lond., 1914, **2**: 1272.—**Fullerton, A.** The work of a consulting surgeon with the British force in France. Brit. M. J., 1916, **1**: 50.—**M., W.** A dental officer in the Great War, 1914–18. Brit. Dent. J., 1944, **77**: 357.—**Medicine** in the spring offensive. Brit. M. J., 1917, **2**: 94.—**Miller, G. W.** A Dundee medical unit in the Great War. Caledon. M. J., 1939, **17**: 246–57.

—— Great Britain—Naval forces.

K., F. A. High sea wanderings. Hospital, Lond., 1919, **66:** 59.—**Mackenzie, K. A. I.** Some observations in a recent action. J. R. Nav. M. Serv., 1918, **4:** 205.—**Naval** medicine in the Great War. Brit. M. J., 1917, **1:** 224–6.—**Ross, J. N. M.** With a Royal Marine Battalion in France. J. R. Nav. M. Serv., 1917, **3:** 465–71.—**Waddy, S. H.** Twelve months in a T. B. D. Ibid., 1918, **4:** 313–7.

—— Great Britain—Surgical aspect.

Atkinson, E. L. Immediate surgery with the Royal Marine Artillery Howitzer Brigade in France, 1916–18. J. R. Nav. M. Serv., 1922, **8:** 16–23.—**Bowlby, A.** Growth of the surgery of the Front in France. Brit. M. J., 1919, **2:** 127–31.—**British** surgery at the front. Ibid., 1917, **1:** 737.—**Low, V. W.** Surgery during the war. Lancet, Lond., 1920, **1:** 419–23.—**Martin, A. A.** Surgical notes from a temporary clearing hospital at the front. Brit. M. J., 1915, **1:** 145–51.—**Mayo-Robson, A. W.** Hints on war surgery. Ibid., **2:** 136.—**Smith, C. S.** Surgical experiences with the British Expeditionary Forces. Hahneman. Month., 1920, **55:** 192–6.—**Watson, C. G.** Notes on war surgery in France. S. Barth. Hosp. J., Lond., 1916–17, **24:** 67.

—— Greece.

Eiselsberg, A. v. Zu Kŏnig Konstantin nach Athen. In his Lehensweg &c., Innsbr., 1949, 230–42. ——— Eine zweite Reise nach Athen. Ibid., 260–78.

—— Holland.

Amstel, P. J. de Bruïne Ploos van. Das medizinische Leben in Amsterdam während des Krieges. Zschr. ärztl. Forthild., 1915, **12:** 638.—**Bijl, J. P., & Peeters, H.** Der Typhus im niederländischen Heer während des mohilen Zustandes in den Jahren 1914-18. Veröff. Medverwalt., 1934, **43:** 293–331.—**Lanz, O.** Oorlogsindrukken. Ned. tschr. geneesk., 1915, **59:** 409–22.—**Lijklema, T.** De werkzaamheden der transportcolonne van Hilversum en Omstreken. Reddingwezen, 1917, **6:** 212–5.—**Meerloo, A. M.** Enkele psychiatrische ervaringen uit den wereldoorlog 1914–18. Geneesk. gids, 1940, **18:** 704–12.—**Visser, B. P.** Oorlogservaringen op oogheelkundig gebied. Mil. geneesk. tschr., 1916, **20:** 140–50.

—— Hungary.

See also subheading (Austria-Hungary)

Borszéky, K. Hadsehészeti tapasztalatok. Orv. hetil., 1915, **59:** 101–3.—**Kaposi, H.** Feldbrief au Seine Exzellenz Herrn Geheimrat Professor Czerny. Münch. med. Wschr., 1915, **62:** 631.—**Onodi, A.** Ergehnisse der Ahteilung für Hör-, Sprach-, Stimmstörungen und Tracheotomierte vom Kriegsschauplatze, mit einem rhino-laryngologischen Anhang. Mschr. Ohrenh., Wien, 1918, **52:** 85; passim.—**Parádi, E.** Az 1914/18-as világháború magyar hadirokkantjainak és egyéh károsultjainak seregszemléje. Magy. statiszt. szemle, 1940, **18:** 568–614.—**Pécsi, D.** [Smallpox epidemic in the Army] Gyógyászat, 1918, **58:** 96.—**Reisz, E.** [Typhoid cases during the war] Ibid., 1916, **56:** 18.—**Zsakó, I.** [Psychiatric experiences in the World War] Budapesti orv. ujs., 1938, **36:** 1061–6.

—— Isonzo.

See also subheading (Italo-Austrian Front)

Bainsizza (La) e l'Hermada agosto-settembre 1917 [Illustr.] In: Libro d'oro, Roma, 1924, opp. p.112.—**Battaglia** (La x) dell'Isonzo [Illust.] Ibid., opp. p.88.—**Giertz, K. G.** Minen och intryck från en studieresa till Wien och Isonzo-fronten aprijuni 1915. Tskr. mil. hälsov., 1916, **2:** 87–136.—**Herhold.** Der Sanitätsdienst in der Isonzoschlacht hei Tolmein, Oktober 1917. In: Streiflicht. Wirk. San. Korps Weltkriege (Muschold, P.) Oldenb., 1927, 233–6.—**Ortigara** (L') giugno 1917; il calvario degli alpini [Illustr.] In: Libro d'oro, Roma, 1924, opp. p.96.—**Prime** (Le) Battaglie dell'Isonzo [Illust.] Ibid., opp. p.16.

—— Italo-Austrian Front.

See also other subheadings (Austria-Hungary; Italy; Isonzo)

Bianchini, M. L. Diario di guerra di un psichiatra nella campagna contro l'Austria (1915–18) 71p. 8° Nap., 1920.

Bocchetti, F. Guerra Italo-Austriaca, MCMXV–MCMXVIII; il libro d'oro; i medici Italiani; ai loro eroi. 522p. 4° Roma, 1924.

Silvestrini, D. Osservazioni pratiche di chirurgia di guerra agli ospedali da campo; guerra Italo-Austriaca (Maggio-Dicembre 1915) 52p. 8° Bologna, 1916.

Leotta, N. L'attività del nucleo chirurgico n. I. durante l'offensiva del giugno 1918. Gior. med. mil., 1918, **66:** 552.—**Offensiva** (L') nemica del Trentino [Illustr.] In: Libro d'oro, Roma, 1924, opp. p.28.—**Operazioni** (Le) autunnali del 1916 sulle fronti tridentina e giulia [Illustr.] Ibid., opp. p.62.—**Parola** (La) che significò sventura, 24 Ottobre 1917 [Illustr.] Ibid., opp. p.132.—**Piave** (Il) [Illustr.] Ibid., opp. p.140.—**Secondo** (Il) inverno in guerra [Illustr.] Ibid., opp. p.68.—**Siluramento** del Perseo maggio 1917 [Illustr.] Ibid., opp. p.80.—**Soldato** (Il) portaferiti Angelo Vannini medaglia d'oro [Illustr.] Ibid., opp. p.190.—**Sorge, E.** Sul servizio chirurgico in un reparto di ospedale da campo durante l'offensiva austriaca del giugno 1918. Gior. med. mil., 1920, **68:** 760–8.—**Terzo** inverno in guerra [Illustr.] In: Libro d'oro, Roma, 1924, opp. p.146.—**Vittorio** veneto 4 Novembre 1918 [Illustr.] Ibid., opp. p.178.

—— Italy.

See also other subheadings.

Boschi, G. La guerra e le arti sanitarie. 268p. 8° Milano, 1931.

Hume, E. E. Italy's part in the world war. 2p. 8° Wash., 1935.

Lustig, A. La difesa della popolazione civile e altri problemi. 30p. 16° Milano, 1915.
Forms Pt I, of Probl. san. guerra.

Ceccherelli, A. Dalla terra dove la morte riafferma la vita. Clin. chir., Milano, 1915, **23:** 913–46.—**Heiser, V. G.** Medical problems on the Italian front. N. York M. J., 1918, **107:** 460.—**Hume, E. E.** Military operations on the Italian Front in 1918. Mil. Surgeon, 1928, **64:** 859–81, map.—**Lambert, A.** Brief outline of personal observations in Italy and at the Western Battle Front. Med. Rec., N. Y., 1918, **93:** 947–50.—**Padovani, E.** Note e osservazioni dalle zone di guerra. Rass. stud. psichiat., 1915, **5:** 342–6.—**Penfield, W. G.** War experiences of an American medical student in Italy. Boston M. & S. J., 1915, **173:** 684.

—— Italy—Casualties and diseases.

Breccia, G. Note di clinica medica in guerra. Morgagni, 1918, **60:** 25–45.—**Bucciante, A.** Il servizio oculistico nell'Esercito italiano durante la guerra mondiale; la questione del tracoma nell'Esercito. Gior. med. mil., 1937, **85:** 239; 349; 704. ——— I traumi oculari nella guerra mondiale; ciechi di guerra. Ibid., 1938, **86:** 3–40.—**Caldera, C.** Contributo casuistico alla traumatologia otorinolaringoiatrica di guerra. Arch. ital. otol., 1916, **27:** 194–8.—**D'Abundo, G.** Reparto neuropatologico militarizzato della Clinica delle malattie nervose e mentali della R. Università di Catania. Riv. ital. neuropat., 1917, **10:** 22–4.—**Dello Joio, G.** Rendiconto clinico statistico dei casi di traumatismi di guerra curati nella Clinica dal 15 aprile 1915 al 15 marzo 1919. Gior. med. mil., 1933, **81:** 169–78.—**Di Vittorio, S.** La lutte contre le paludisme dans la 3me Armée Italienne pendant la grande guerre. Tunis. méd., 1933, **27:** 358–72.—**Ferrari, G. C.** Osservazioni psicologiche sui feriti della nostra guerra. Riv. psicol., 1915, **11:** 161–86.—**Ferraro, D.** Ferite del torace; guerra 1915–18. Ann. med. nav., Roma, 1923, **2:** 54–60. ——— Statistica e casuistica di 95 casi personali e del prof. Giordano osservati durante la guerra. Atti Congr. internaz. med. farm. mil., 1923, **2:** 499–502.—**Giliberti, P.** Sui postumi dei congelamenti riportati durante il periodo hellico 1915–18. Policlinico, 1941, **48:** sez. prat., 1787; 1836.—**Mendes, G.** La lotta antitubercolare nell'Esercito italiano durante la campagna di guerra 1915–18. Gior. med. mil., 1921, **69:** 298–302.—**Mennella, A.** Osservazioni cliniche e terapeutiche nelle truppe combattenti. Atti Soc. lombard., sc. med., 1916–17, **6:** 137–61.—**Pisanò, G.** Appunti clinici di traumatologia di guerra (marzo-settembre 1917) Gior. med. mil., 1920, **68:** 327–43.

—— Italy—Medical organization and service.

Agostini, C. Contributo clinico alla neuropsichiatria di guerra (il servizio neuropsichiatrico nella zona Carnica) 37p. 8° Perugia, 1917.

Bilancioni, G. Un anno di oto-rino-laringoiatria in zona di guerra. p.49–292. 24cm. Roma, 1918.
Atti Clin. otorin. Roma, 1918, **16:**

Massarotti, G. Ospedalizzazione militare in guerra. 2. ed. 43p. 16° Milano, 1915.
Forms No. 9 of Probl. san. guerra.

Ospedali (Gli) militari di Piacenza dalla dichiarazione di guerra all'armistizio (Maggio 1915–Novembre 1918) 176p. fol. Parma [1919 or after]

Ponticaccia, L. Il medico di Battaglione (note sul Servizio sanitario in prima linea) 1915–18. 105p. 8° Parma, 1920.

Agostini, C. Contributo clinico alla neuropsichiatria di guerra (il servizio neuropsichiatrico nella zona Carnica) Ann. Manic. Perugia, 1917, **11:** 11–47.—**Bellotti, O.** Note e appunti sul servizio otorinolaringoiatrico nell'Ospedale di S. Corona con speciale riguardo all'assistenza ai muti e sordi di guerra. Gior. med. mil., 1919, **67:** 372–7.—**Benassi, G.** Tre anni di radiologia

di guerra (1916–19) Radiol. med., Milano, 1920, 7: 426–33.—**Boschi, G.** Illustrazione della assistenza sanitaria per le forme nervose da guerra, l'ospedale per malattie nervose Villa del Seminario presso Ferrara. Med. nuova, 1918, 9: 6–9.—**Brunetti, F.** Rendiconto sul servizio oto-rinolaringoiatrico nell'Ospedale militare principale di Bari Agosto 1918–Settembre 1919. Gior. med. mil., 1920, 68: 219–42.—**Bryant, W. S.** The oto-rhino-laryngological service in Italy. J. Lar. Otol., Lond., 1918, 33: 97–100.—**Bucciante, A.** Il servizio oculistico nell'Esercito italiano durante la guerra mondiale. Gior. med. mil., 1937, 85: 239; passim.—**Caliceti, P.** Note sul servizio otorinolaringoiatrico della 3ª Armata. Ibid., 1920, 68: 162–75.—**Campani, A.** Sull'assistenza ospitaliera civile durante la guerra. Policlinico, 1917, 24: sez. prat., 521–7.—**Coleschi, L.** Radiologia di guerra; sei mesi di lavoro con la prima ambulanza radiologica dell'esercito. Radiol. med., Tor., 1917, 4: 13–34.—**Consiglio, P.** L'esperienza neurologica del Centro psichiatrico della zona di guerra. Gior. med. mil., 1920, 68: 387–99.—**Ghilarducci, F.** La funzione della 1ª ambulanza radiologica di Armata durante tre mesi di lavoro al fronte. Ibid., 1918, 66: 216–34, 2 pl.—**Gradenigo, G.** La oto-rino-laringologia e i problemi sanitari dell'attuale guerra. Arch. ital. otol., 1917, 28: 335–49.—**Mancioli, T.** Un anno di servizio oto-rino-laringoiatrico nell'Ospedale militare principale di Roma. Atti. clin. Otorin. Roma, 1917, 15: 213–23.—**Mendicini, A.** I centri neurologici nella mostra nazionale delle opere d'assistenza nell'Esercito. Q. psichiat., Genova, 1918, 5: 229–34.—**Negro, C.** Annotazioni di neurologia di guerra. Gior. Accad. med. Torino, 1916, 4. ser., 22: 377–89.—**Nieddu-Semidei, A.** L'otorinolaringologia e il riordinamento degli studi universitari e del Corpo sanitario militare. Gior. med. mil., 1919, 67: 1174–6.—**Pighini, G.** Il servizio neuro-psichiatrico nella zona di guerra. Ann. Manic. Perugia (1915) 1917, 9: 49–65.—**Pusateri, S.** L'ambulatorio oto-rino-laringojatrico municipale di Palermo nel suo 2° anno di funzionamento; resoconto statistico (settembre 1916–agosto 1917) Arch. ital. laring., 1918, 38: 18–26.—**Putelli, F.** Il servizio Oto-rino-laringologico di guerra nella sanità militare. Arch. ital. otol., 1918, 29: 101; 152.—**Roasenda, G.** Il servizio neuro-psichiatrico di un'Armata nell'ultimo anno di guerra fino al giorno della cessazione delle ostilità. Gior. med. mil., 1919, 67: 462–70.—**Signoris, E.** Impressioni e considerazioni di un medico sul servizio sanitario durante l'ultima guerra. Minerva med., Tor., 1935, 26: 694–701.

—— Italy—Naval forces.

Ferraro, D. Il servizio sanitario della R. Marina durante la guerra (quinquennio 1915–19) Ann. med. nav., Roma, 1935, 41: 333–49.—**Natale, E.** Comunicazione sul materiale radiologico trovato nell'Ospedale Militare Marittimo di Pola. Ibid., 1919, 2: 1051–3.

—— Italy—Surgical aspect.

Achille, F. Statistica di chirurgia di guerra (ospedali territoriali C. R. di Ravenna, Forlì e Ferrara) e statistica di chirurgia civile (Ospedale civile di Santarcangelo di Romagna) 55p. 8° Roma, 1918.

Cavina, G. Venti mesi di chirurgia di guerra in un ospedale di Tappa; breve rendiconto statistico-operativo. 73p. 8° Bologna, 1917.

Tedeschi, A. Mutilazione e mutilati; una pagina di chirurgia di guerra. 31p. 8° Livorno [after 1916]

Attività (L') dei nuclei chirurgici alla fronte (offensiva giugno 1918) manovra del personale sanitario. Gior. med. mil., 1918, 66: 549–51.—**Balliano, A.** Diario chirurgico con brevi considerazioni sui casi più notevoli osservati nel 1° reparto dell'Ospedale succursale del seminario nel primo trimestre di guerra. Ibid., 1916, 64: 107–36.—**Camera, U.** Alcune considerazioni sugli interventi demolitivi e conservativi praticati nell'ospedale da campo 022. Clin. chir., Milano, 1916, 24: 1063–72.—**Collica, I.** Note clinico-pratiche sul lavoro chirurgo del primo semestre di servizio alla fronte. Gior. med. mil., 1917, 65: 120–45, 6 pl.—**De Carli, D.** L'attività del nucleo chirurgico N. 4 alla fronte. Ibid., 1918, 66: 996.—**Del Vecchio, E.** Statistica a relazione sanitaria del II Reparto chirurgico. Ann. med. nav., Roma, 1916, 2: 46–81.—**Falcone, R.** Alcuni casi di chirurgia di guerra (con presentazione degl'infermi) Atti Accad. med. chir. Napoli, 1918, 82: 41–51.—**Gatti, G.** Sul servizio chirurgico al fronte. Policlinico, 1918, 25: sez. prat., 32–6.—**Giordano, D.** Impressioni di chirurgia bellica. Attual. med., Milano, 1915, 14: 572–88. ——— Ove la cosidetta chirurgia di guerra nella chirurgia quotidiana si confonde. Riforma med., 1918, 34: 162–5.—**Jannl, R.** L'attività del nucleo chirurgico N. 3 in zona di operazione. Gior. med. mil., 1918, 66: 870–2.—**Lasagna, F.** I progressi della otorinolaringoiatria durante la guerra. Boll. Soc. med. Parma, 1919, 2. ser., 12: 2.—**Mattoli, A.** Il nucleo chirurgico N. 2, e la sua attività alla fronte. Gior. med. mil., 1918, 66: 778–83.—**Metcalf, R.** An American surgeon in Italy and Austria-Hungary. Boston M. & S. J. 1915, 173: 448.—**Minervini, R.** L'opera del nucleo chirurgico N. 5 in zona di guerra (ottobre-novembre 1918) Gior. med. mil., 1919, 67: 590–7.—**Pepe, B.** Brevi note di terapia chirurgica, risultati ottenuti su circa mille feriti in guerra durante l'anno 1915–16. Med. prat., Nap., 1918, 3: 1–6.—**Plastina, M.** Metodo chimico e fisiologico nel trattamento delle ferite d'arma da fuoco, secondo l'esperienza dell'ultima guerra. Gior. med. mil., 1933, 81: 295–301.—**Renato, M.** Osservazioni e note di chirurgia di guerra. Riv. osp., 1917, 7: 43–59.—**Rossi, B.** Impressioni di un chirurgo nei paesi della guerra. Atti. Soc. lombard. sc. med., 1914–15, 4: 146–69.—**Simeoni, V.** Osservazioni cliniche di chirurgia di guerra. Gazz. internaz. med. chir., 1918, 21: 37–44.

—— Japan.

See also **Wars and campaigns, 1918–1922: Siberian Expedition.**

Aoki, K. Ōhsyū Taisen ni okeru gekagaku no sinpo ni tuite [Progress in surgery during the great European War] Sei i kwai M. J., 1919, 38: 244–60.—**Steinhardt, G.** Sekai taisen-tyū ni okeru isi to sika-isi no hataraki ni tuite [The work of physicians and dentists during World War I] Kōkū-byōgakkai zassi, 1938, 12: 405.—**Torii, H., & Murakami, Y.** Taisyō 6-nen 10-gatu Sityō-hei Dai-18 daitai ni baku-hatu-sesi paratyphus ni tuite [Ueber den Paratyphus, der im Oktober des 6. Jahres Taisyō (1917) im Trainbataillon XVIII ausbrach] Gun idan zassi, 1919, 627–72.

—— Jugoslavia.

See subheading (Serbia)

—— Lithuania.

Deutschländer, C. Feldorthopädisches aus dem litauischen Stellungskriege. Zschr. orthop. Chir., 1918, 38: 515–58.

—— Macedonia.

Kayser, P. Mit den Bulgaren in Mazedonien. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 87–101.—**McIlroy, A. L.** The work of an orthopedic center in Macedonia. Am. Med., 1919, n. ser., 14: 346–55.—**Phear, A. G.** Some medical experiences in Macedonia and the Caucasus. Mag. Lond. School M. Women, 1919–20, 15: 76–87.—**Share** of vaccination against typhoid and paratyphoid in the disappearance of these diseases in the Macedonian campaign. J. Am. M. Ass., 1917, 69: 1731.

—— Malta and Mediterranean Area.

Thorburn, W. Two years of war surgery in Malta and the Mediterranean. J. R. Army M. Corps, 1918, 31: 106–23.

—— Marne, Battle of.

Anderson, I. W. A canteen on the Marne. In her Zigzagging, Bost., 1918, 17–36, pl.—**Krumbein.** Die San. Komp. 2 IX. A. K. in der Marneschlacht, Esternay, Sept. 1914. In: Streiflicht Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 161–4.—**Lengefeld, H.** Von der Mobilmachung bis zur Marneschlacht als Truppenarzt. Deut. med. Wschr., 1935, 61: 185.

—— Mesopotamia.

India and Mesopotamia. Brit. M. J., 1917, 2: 17.—**Lessons** of the Mesopotamia tragedy. J. Am. M. Ass., 1917, 69: 287.—**McPherson, G.** Report of the ophthalmic work done in Mesopotamian Expeditionary Force during 1917 and 1918. Brit. J. Ophth., 1920, 4: 64–75.—**Medical** (The) breakdown in the Mesopotamia expedition. J. Am. M. Ass., 1917, 69: 301.—**Medical** notes from ancient Mesopotamia. Boston M. & S. J., 1918, 179: 408.—**Mesopotamia** (The) report. Lancet, Lond., 1917, 2: 17.—**Turner, G. G.** Surgical work in Mesopotamia. Univ. Durham Coll. M. Gaz., 1916, 16: 111–13. ——— Medical and surgical notes from Mesopotamia. Brit. M. J., 1917, 2: 33–7.

—— Meuse.

See subheading (Argonne-Meuse offensive)

—— Montenegro.

See also subheading (Balkan Peninsula)

Körner, O. Die sanitäre Entwicklung Montenegros. Militärarzt, Wien, 1918, 52: 100–5.—**Kolbe & Souček.** Hygienische und epidemiologische Betrachtungen aus Montenegro, vorwiegend aus dem Kreise Plevlje. Ibid., 93; 97.

—— Norway.

Gade, F. G. Das medizinische Leben in Norwegen während des Krieges. Zschr. ärztl. Fortbild., 1916, 13: 322.

—— Ortelsburg (1914)

Vagedes, v. Ernste Stunden in Ortelsburg 1914. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 21.

—— Ortigara.

See with subheading (Isonzo)

—— Palestine (1917–1918)

Allenby. Informe sobre el servicio de sanidad en la campaña de Palestina (año de 1917 à 1918) Rev. san. mil., Madr., 1921, 3. ser., **11**: 426–31.—**Blashki.** The first medical unit into Jerusalem. Australas. Nurs. J., 1919, **17**: 118–20.—**Luce, R.** War experiences of a territorial medical officer. J. R. Army M. Corps, 1936, **66**: 272; passim; 1937, **68**: 59; passim.

—— Péronne (1918)

Glasewald. Péronne 1918. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 186–91.

—— Piave.

See with subheading (Italo-Austrian Front)

—— Poland.

See also subheading (Eastern Front)

Frey, G. J. O. Bilder aus dem Gesundheitswesen in Polen (Kongress-Polen) aus der Zeit der deutschen Verwaltung (1914–18) 135p. Berl., 1919.

Lutosławski, W. L'Armée polonaise. 79p. 18cm. Chateau Barby, 1917.

Bellert, J. [Sanitary Service in the 1st Infantry Regiment of the Polish Legions during the battle of Laski (21.X.–26.X. 1914)] Lek. wojsk., 1936, **28**: 259–75.—**Bohm.** Field surgery on the Polish battlefront. Boston M. & S.J., 1915, **172**: 500.—**Idaszewski, A., & Komocki, W.** Krótki zarys obecnego stanu nauki o włośnicy, oraz niektóre dane o przebiegu epidemji włośnicy w jednym z oddziałów wojsk polskich na wschodnim froncie. Lek. wojsk., 1920, **1**: No. 15, 1–10.—**Nisenson, D.** Trzeci przyczynek do statystyki chorób zakaźnych w m. st. Warszawie w okresie siedmioletniej wojny europejskiej. Ibid., 1921, **2**: 1497–506.—**Reischauer, E.** Von Czenstochau bis Baranowitschi. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 33–44, illust.—**Report** of the Inter-Allied Medical Commission to Poland. Lancet, Lond., 1919, **2**: 748.—**Składkowski, S.** Taktyka sanitarna w świetle walk 2-ej dwizji legjonów o Mińsk. Lek. wojsk., 1921, **2**: 265–82.—**Sokolowski, T.** [The year 1914 in the 1st Brigade of the Polish Legions] Ibid., 1936, **28**: 412–36.

—— Portugal.

Egaz Moniz, A. C. de A. F. A neurologia na guerra. 334p. 23cm. Lisb., 1917.

Almeida, J. de. Feridos de guerra portugueses; do No. 6 Convalescent Depôt. Portugal méd., 1918, **4**: 22–37.—**Monjardino, J.** Some notes on Portuguese surgery during the first three months on the Western front. Lancet, Lond., 1918, **1**: 138–42.

—— Russia.

See also other subheadings (Carpathian Front; Eastern Front) also **Wars and campaigns, 1917–1920.**

Abramov, P., & Novozhilov, D. Mirovaja vojna 1914–18gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1080–122.—**Baeckmann, C.** Erinnerungen eines russland-deutschen Arztes. Münch. med. Wschr., 1936, **83**: 1937; 2094; 2125.—**Colnat, A.** La Guerre de 1914 et la Révolution russe. In his Epidém. & hist., Par., 1937, 182–7, illust.—**Gran, M.** Sanitarnye i social'no-biologićeskie posledstvija vojny. In: Bolsh. med. encikl., 1928, **5**: 523–31.—**Hagen-Torn, I. E.** [Certain questions of war-time surgery for these hard days] Vest. Carskoselsk. rajona, 1916, **2**: No. 6, 19–49.—**Jahr** (Ein) ärztlicher Kriegseindrücke in Moskau. Münch. med. Wschr., 1915, **62**: 1629.—**McClintic, E. S.** With the Russians in Persia. Am. J. Nursing, 1917–18, **18**: 34; 102.—**Melder, I. I.** [Sailing of the cruiser Rossija; report for 1914] Morsk. vrach, Petrogr., 1915, 472–81.—**Potemkina, A.** Memoirs of Russia in 1916. Trained Nurse, 1935, **95**: 142; 232.—**Uzefovich, A. M.** Russia in the World War, 1914–18. Mil. Engineer, 1941, **33**: 324–31.—**Zelenev, N.** Voenno-sanitarnoe delo; opyt i vlijanie imperialistskoj vojny na V.-s. d. In: Bolsh. med. encikl., 1928, **5**: 416–8.

—— Russia—Casualties and diseases.

Filimonov, I. Травматический невроз по материалам войны; 1914–18 г. 116p. 8° Moskva, 1926.

Forms No. 9, Monogr. Med. Fak. Mosk. Gosud. Univ.

Babinov, J. K. [Characteristics of diseases of the nervous system during the present war] Morsk. vrach, Petrogr., 1915, 503–14.—**Cicbowksi.** O ranach jamy brzusznej spostrzeganych na froncie rosyjskim. Lek. wojsk., 1921, **2**: 995.—**Dackević, A. P.** Epidemija paratifa B v 35-j pekhotnoj divizii. Voen. med. J., S. Peterb., 1914, **240**: Med. spec. pt, 424–44.—**Higier, G. I.** [Non-surgical treatment in field surgery] Russ. vrach, 1915, **14**: 564–8.—**Ratner, L. M.** Pronikajuščie ranenija brjušnoj polosti po materialam I. imperialistićeskoj vojny v sovremennom osveščenii. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 179–88.

—— Russia—Medical organization and service.

Abramov, P. Mirovaja vojna 1914–18gg.; sostojanie zdravookhranenija v Rossii pered vojnoj. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 1086. ——— Medicinskaja pomošć, evakuacija i lećenie ranenykh i bolnykh. Ibid., 1092–105. ——— Mery zaščity ot BOV i organizacija lećenija poražennykh OV. Ibid., 1105–10. ——— Snabženie medikosanitarnym imuščestvom. Ibid., 1110–2.—**Babin.** Rapport médical sur la campagne de l'Amiral-Aube en Russie du nord (1918) Arch. méd. pharm. nav., 1920, **109**: 455–8.—**Bagdasarian, S. M.** [Sanitary service in the Russian Army during war, 1914–17] Voen. san. delo, 1943, No. 7, 57.—**Dibajlov, S. I.** [Work of the frontal dressing station of the Second Rifle Regiment of the Life Guards of Tsarskoye Selo during the battle of Kalishani-Kamen] Voen. med. J., Petrogr., 1915, **244**: Med. spec. pt, 129–40.—**Dobroljubov, A. I.** [Three days (at a field artillery battery)] Vest. Carskoselsk. rajona, 1916, **2**: No. 10, 65–77.—**Gorjušin, M. A.** [Life in a lazarett for wounded] Vest. Obshch. hig., 1915, **51**: 1108–13.—**Morawski, J.** Organizacja ewakuacji i pomocy umysłowo chorym w armji rosyjskiej w czasie wojny 1914–18r. Lek. wojsk., 1921, **2**: 1592–9.—**Popov, G. I.** [The war and medicine in the province of Jakutsk] Sibir. vrach, 1915, **2**: 282; 295.—**Preobrazhensky, S. A.** Voennaja psikhiatrija v period Pervoj mirovoj vojny. Voen. med. J., Moskva, 1946, No. 9, 41–3.—**Rostovcev, M. I.** [Surgical aid during the present war and a plan for movable operating theatres] Russk. vrach, 1915, **14**: 409–16.—**Semeka, S.** Medicina voennaja; Mirovaja vojna 1914–18gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 869–79.—**Snively, H. H.** Base hospital work in Russia. Mil. Surgeon, 1916, **38**: 623–38, 6 pl.—**Sysin, A. N.** Sanitarnoe sostojanie Rossii pered vojnoj 1914–18gg. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 60. ——— Sanitarnoe delo; vojna 1914–18gg. Ibid., 61–3.—**Winn, D. F.** Report of 570 cases treated in the military hospital, American Red Cross Kiev, Russia. Atlanta J. Rec. M., 1915–16, **62**: 373–88.—**Zabludovsky, A. M.** [The World War in the history of surgery] Nov. khir. arkh., 1937, **39**: 171–200.—**Zelenev, N.** Skhema organizacii voenno-sanitarnoj služby v Mirovuju vojnu v Rossii (1914–17) (chart) In: Bolsh. med. encikl., 1928, **5**: 425.

—— Sahara campaign.

Tuffier, T. Les blessés et l'aviation dans les marches du Sahara. Bull. Acad. méd., Par., 1919, 3. ser., **81**: 188–94.

—— Salonica.

Ivanić, S. Z. [Scurvy in the artillery of the Danube division on the Salonika front] Voj. san. glasnik, 1940, **11**: 617–24.—**Medical** notes from the Salonica force. Lancet, Lond., 1916, **1**: 839–41.

—— Samoa.

Sims, L. C. Recollections of duty in the South Seas. U. S. Nav. M. Bull., 1919, Suppl. No. 9, 7–15, 6 pl.

—— Serbia.

See also subheading (Albania Retreat)

Hutton, I. G. E. With a woman's unit in Serbia, Salonika and Sebastopol. 302p. 22cm. Lond., 1928.

Kuhne, V. Ceux dont on ignore le martyre (les yougoslaves et la guerre) 299p. 18½cm. Genève, 1917.

Perrigault, J. En campagne avec l'Armée serbe; notes d'un médecin français. p.1–111. 4° Par., 1917.

Paris méd., 1917, Suppl. No. 20.

Barrie, H. G. A surgeon in Serbia. China M. J., 1916, **30**: 329–33.—**Beasley, S. O.** Another viewpoint of our Red Cross work in Siberia. Mil. Surgeon, 1916, **39**: 634; 1917, **40**: 45, pl.—**Butler, E. F.** Experiences in Serbia during the war. Med. Rec., N. Y., 1916, **90**: 918. ——— Résumé of war service in Belgrade, Serbia. Am. Med., 1917, **23**: 352–8.—**Chaix.** A propos de mon séjour en Serbie. Rev. hyg., Par., 1916, **38**: 568–75.—**Donnelly, J. F.** A Red Cross surgeon in Serbia. Med. Rec., N. Y., 1915, **87**: 785.—**Hume, E. E.** American relief work in Serbia. Mil. Surgeon, 1921, **49**: 188–201.—**Jolley, W. A.** Experiences in Serbia. Colorado M. J., 1916, **13**: 49–55.—**Pétrovich, M.** Serbie. Arch. méd. pharm. mil., 1920, **73**: 273.—**Simmonds, E.** With the Serbian refugees. Am. Red Cross Mag., 1916, **11**: 117–23.—**Spišić, B.** Slučajevi iz ratne kirurgije. Liječ. vjes., 1915, **37**: 1–4.—**Tayler-Jones, L.** Experiences in Serbia. Washington M. Ann., 1916, **15**: 98–103.

—— Siberia.

See also **Wars and campaigns, 1918–1922: Siberian Expedition.**

Wenzel, A. M. Deutsche Kraft in Fesseln; fünf Jahre deutscher Schwesterndienst in Siberien (1916–21) 140p. 8° Potsdam, 1931.

Matson, J. Vodka mouth. Oral Hyg., Pittsb., 1919, **9:** 1064.

—— Skagerrak, Battle of.

Amelung. Auf einem Schlachtkreuzer in der Skagerrakschlacht. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 237–46.

—— Somme Operations.

Evacuation (The) of medical units in the Somme reverse. Brit. M. J., 1918, **1:** 490.—**Foerster, W.** Aus einem Feldpostbrief aus der Sommeschlacht 1916. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 179–84.—**Krabbel, M.** Kriegschirurgische Tätigkeit an der Somme. Deut. med. Wschr., 1917, **43:** 1265.—**Thormann, H.** Erlebnisse während der Sommeschlacht 1916. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 184.—**Vollbrecht.** Somme, 1916–17. Ibid., 179.—**Wounded** (The) from the Somme. Brit. M. J., 1916, **2:** 88.

—— South Africa.

Casalis. The surgical work of the ambulance sudafricaine. S. Afr. M. Rec., 1915, **13:** 156–8.

—— Southern Front.

See other subheadings (Balkan; Greece; Italo-Austrian Front; Isonzo; Mesopotamia; Turkey)

—— Spain.

C., A. Les médecins espagnols au front français. Chron. méd., Par., 1917, **24:** 367.—**Farreras, P.** Neurologia de la guerra. Rev. san. mil., Madr., 1919, 3. ser., **9:** 681–6.—**Fernández Sanz, E.** Observaciones personales de psicopatías ocasionadas por la actual guerra europea. Prog. clín., Madr., 1915, **5:** 170–8.—**González-Deleito, F.** Enseñanzas médico-militares de la actual campaña. Rev. valenc. cienc. méd., 1916, **18:** 4.—**González Granda, J.** Dos casos clínicos de cirugía de guerra. Rev. san. mil., Madr., 1914, 3. ser., **4:** 1–5.

—— Sweden.

Fröderström, H. [Neurological impressions (May 1916) from travels; report to the chief of the naval medical department] Tskr. mil. hälsov., 1917, **42:** 137–49.

—— Switzerland.

Barraud. Kriegschirurgische Erfahrungen mit Krankendemonstration. Korbl. Schweiz. Aerzte, 1917, **47:** 1173–5.—**Munz, E.** Aerztliche Erfahrungen aus dem Weltkrieg. Schweiz. med. Wschr., 1937, **67:** 696; 718; 762.—**Rochs.** Aerztliche Betrachtungen des Schweizer Chirurgen und Oberstleutnants Bircher zum Weltkriege. Deut. med. Wschr., 1927, **53:** 1399–401.—**Vischer, A. L.** Militär-chirurgische Erfahrungen aus einer eidgenössischen Sanitätsanstalt. Korbl. Schweiz. Aerzte, 1917, **47:** 19–21.—**Wild.** Erlebnisse und Erfahrungen an der Front. Ibid., 1915, **45:** 214–9.

—— Syria and Palestine.

Steuber. Etwas vom deutschen Sanitätsdienst in Syrien-Palästina. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 101–8.

—— Tannenberg (1914)

Ejemplo (Un) de historia militar; Tannenberg. Rev. mil., B. Air., 1942, **42:** 545–57.—**Glasewald.** Tannenberg 1914. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 11–20.

—— Trentino offensive.

See with subheading (Italo-Austrian Front)

—— Turkey.

See also other subheading (Dardanelles)

Emin Erkul. World war experience in Turkey. Bull. internat. Serv. santé, Liége, 1940, **13:** 183–92.—**Heinemann, E. F. C.** Gedanken über einige chirurgische Beobachtungen in der Türkei. Deut. med. Wschr., 1919, **45:** 855–7.—**Mühlens, P.** Vier Jahre Kriegshygiene in der Türkei und auf dem Balkan. Ibid., 1935, **61:** 1206; 1244.—**Neumann-Spengel.** Internistische Fürsorgetätigkeit in Smyrna. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 114–8.—**Schilling, V.** Im türkischen Sanitätsdienste. Ibid. 108–14.—**Steuber, W.** Mit Falkenhayn im Orient 1917/18, In his Arzt & Soldat, Berl., 1940, 269–78. —— Die führenden Männer auf dem Orient-Kriegsschauplatz. Ibid., 290–5.—**Stutzin, J. J.** Zwei Jahre kriegschirurgische Tätigkeit in der Türkei. Beitr. klin. Chir., 1917, **106:** (Kriegschir. H. 39) 709–24.

—— United States.

Drewry, E. B. Historical units of agencies of the first World War. p.61–91. 23cm. Wash., 1942.

Judy, W. L. A soldier's diary; a day-to-day record in the world war. 216p. 8° Chic., 1930.

United States. Congress. Senate. Digest of the Proceedings of the Council of National Defense during the World War. Prepared in narrative form by Dr Franklin H. Martin. 700p. 23½cm. Wash., 1934.

Forms No. 193, Senate Doc., 1934, 73. Congr., 2. Sess.

Wood, E. F. The note-book of an intelligence officer. 346p. 8° N. Y., 1917.

Bixby, E. Experiences with the 109th artillery in the late war in France. Tr. Luzerne Co. M. Soc. (1919) 1920, **21:** 142–9.—**Bowden, W.** American labor in the World War, 1914–17. Labor Inform. Bull., Wash., 1939, **6:** No. 10, 1–3.—**Clevenger, W. F.** Personal incidents during service in France. Indianapolis M. J., 1919, **22:** 59–63.—**Coe, H. C.** A last word. Med. Times, N. Y., 1917, **45:** 233.—**Dunham, T.** Letters of a war worker. Red Cross Mag., 1917, **12:** 286–95.—**Herrick, J. B.** War work, World War I. In his Memories of Eighty Years, Chic., 1949, 218–27.—**MacDonald, A. H.** Statement as to European war. Pacific M. J., 1917, **60:** 86–92.—**Nafziger, R. O.** The American press and public opinion during the World War, 1914 to April, 1917. Summaries Doct. Diss. Univ. Wisconsin, 1938, **2:** 107–9.—**Owen, R. L.** National defense; speech in the Senate of the United States, Friday, July 20, 1917. Congressional Rec., 1917, **55:** 1–4.—**Penrose, C. A.** Some experiences in the camps and fields of the armies overseas. Dent. Cosmos, 1918, **60:** 1119–23.—**Sweetser, T. H.** Letters from the front. J. Lancet, 1918, **38:** 409–12.—**Taylor, L.** A letter from somewhere in France. Cleveland M. J., 1918, **17:** 209.

—— United States—Casualties and injuries.

Gerchik, M. *Medizinische Erfahrungen der Amerikaner mit chemischen Kampfstoffen im Weltkrieg. 29p. 23cm. Bern, 1939.

Yates, J. L. Wounds of the chest. p.342–442. 26cm. Wash., 1927.

In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11:** pt 1.

Care (The) of the wounded in France. Sc. Am. Suppl., 1916, **82:** 348.—**Chamberlain, W. P., & Fuller, H. N.** Current vital statistics. In: Med. Dep. U. S. Army in the World War, Wash., 1926, **6:** 86–91.—**Fourth** (The) thousand cases at Paignton. J. Am. M. Ass., 1917, **69:** 996.—**Gas** casualties during the World War. Ibid., 1936, **107:** 225.—**Goldthwait, J. E.** Care of battle casualties in the world war. Mil. Surgeon, 1935, **76:** 36–8.—**Greenwood, A.** Injuries and diseases; eyelids. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11:** pt 2, 677. —— Intraocular foreign bodies. Ibid., 692–9, 3 pl. —— The blind and nearly blind. Ibid., 701–14.—**Horrax, G.** Craniocerebral wounds as seen in World War I with suggestions for present day treatment. Tr. Am. Neur. Ass., 1943, **69:** 21–8.—**Karsner, H. T.** Deaths in a war hospital in France. Cleveland M. J., 1918, **17:** 202–4.—**Lee, B. J.** Wounds of the abdomen. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11:** pt 1, 443–69.—**McKernon, J. F.** Battle injuries of the ear, nose, and throat. Ibid., 1924, **11:** pt 2, 802–9.—**Okinczyc.** Wounds of the abdomen. Ibid., 1927, **7:** 905–7.—**Schweinitz, G. E. de.** The blind. Ibid., 1924, **11:** pt 2, 581–8. —— Concussion and contusion injuries. Ibid., 592–4, 2 pl.—**Shell** shock and the American Army. Boston M. & S. J., 1918, **178:** 60–2.—**Wallace, C.** Wounds of the head: wounds of the chest; abdominal wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 733–35.—**War** casualties; losses by organizations and engagements, American Expeditionary Force (including marines) 1917–18. Army M. Bull., 1941, **55:** 1–76, 3 tab.—**Zusammenfassung** der medizinischen Erfahrungen der Amerikaner mit chemischen Kampfstoffen im Weltkrieg, 6. April 1917 bis 7. November 1918. Schweiz. Apoth. Ztg, 1940, **78:** 357–60.

—— United States—Diseases.

Bailey, P., & Haber, R. Analysis of special neuropsychiatric reports. p.157–269. 26cm. Wash., 1929.

In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10:**

CALLENDER, G. R. Pathology of the acute respiratory diseases; in the camps in the United States. p.7–186. 26cm. Wash., 1929.
In: Med. Dep. U. S. Army in the World War, Wash., 1929, 12:

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. Pathology of the acute respiratory diseases, and of gas gangrene following war wounds. 583p. 26cm. Wash., 1929.
Forms v.12, of Med. Dep. U. S. Army in the World War.

WEED, F. W. Prevention of venereal diseases. p.899–992. 26cm. Wash., 1926.
In: Med. Dep. U. S. Army in the World War, Wash., 1926, 6:

Ashburn, P. M. Factors making for a low venereal record in the American Expeditionary Forces. J. Am. M. Ass., 1919, **73**: 1824–8.—**Bruce, H. A.** The problems of military medicine in France. N. York. M. J., 1918, **108**: 112–4.—**Bruns, E. H.** The tuberculosis situation in the American Expeditionary Forces. Final Rep. Civil Aff. Trier Dep. San. Pub. Health, 1919, No. 5, 1–18, ch.—**Cohn, A. E.** The effort syndrome, together with a consideration of the significance of certain murmurs. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 981–8.—**Fenton, N.** Study of case histories of a typical group of war neuroses; A. E. F. Ibid., 1929, **10**: 429–41.—**Hall, M. W., & Michie, H. C.** The diarrheal group of diseases. Ibid., 1928, **9**: 311–56.—**Kantor, J. L.** Significance of chronic dyspepsia in the U. S. Army during the first World War. Gastroenterology, 1943, **1**: 249–53.—**Keyes, E. L.** The prevention and treatment of venereal diseases. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 1094–8.—**Knowles, F. C.** Prevention of scabies; A. E. F. Ibid., 1926, **6**: 1066–70.—**Lecene.** Tetanus infection. Ibid., 1927, **7**: 768–71.—**Lowenstein, O.** Neurological experiences from the First World War. Proc. Rudolf Virchow M. Soc. N. York, 1942, **1**: 42–5.—**McKernon, J. F.** Diseases of the ear, nose, and throat. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 797–801.—**Michie, H. C.** Anthrax. Ibid., 1928, **9**: 223–32. ——— The venereal diseases. Ibid., 263–310.—**Pollock, W. C.** Tuberculosis in the Army; the tuberculosis problem of World War No. 1 and in the present mobilization. Am. Rev. Tuberc., 1941, **44**: 658–74.—**Reasoner, M. A.** The venereal disease problem with the American Forces in Germany. Mil. Surgeon, 1926, **58**: 370–91.—**Respiratory** diseases, admissions and deaths by months, American troops, Europe Aug.-Jan. 1918–19; 1919–20; 1921–22. Army M. Bull., 1922, No. 2, 55–7.—**Sands, I. J.** Neuropsychiatric aspects in the first World War and in the present emergency. War Med., Chic., 1941, **1**: 203.—**Schwab, S. I., & Fenton, N.** War neuroses as a medico-military problem; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 369–404.—**Strecker, E. A.** Military psychiatry: World War I, 1917–18. In: One Hundred Years of Psychiatry (Am. Psychiat. Ass.) N. Y., 1944, 385–416.—**Surož, W.** [Venereal diseases during the World War, based on the statistics of the Health Department of the United States of America Apr. 1, 1917] Lek. wojsk., 1937, **29**: 237; 301.—**Tasker, A. N.** Diseases of the skin. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 551–7.—**Thom, D. A.** War neuroses; experiences of 1914–18; lessons for the current emergency. Collect. Lect. Metrop. State Hosp., Waltham, 1942, **7**: pt 1, 96–109. Also J. Laborat. Clin. M., 1942–43, **28**: 499–508. ——— Neuropsychiatric experiences of First World War. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 1–10.—**Thornton, M. J., & Brown, S.** The care and disposition of cases of mental disease; A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 405–22.

—— United States—Epidemics.

VAUGHAN, V. C., & PALMER, G. T. The communicable diseases in the National Guard and National Army of the United States during the six months from September 29, 1917, to March 29, 1918 [97]p. 24½cm. Wash., 1918.
Also in Mil. Surgeon, 1918, **43**: 251; 392.

Michie, H. C. Scarlet fever. In: Med. Dep. U. S. Army in the World War, Wash., 1928, **9**: 391–408. ——— Encephalitis lethargica. Ibid., 473–81. ——— Vincent's disease. Ibid., 493–509.—**Semon, H. C., & Barber, H. W.** Pyodermia of parasitic origin. Ibid., 1927, **7**: 884–90.—**Siler, J. F., & Lambie, J. S.,** jr. Typhoid and the paratyphoid fevers. Ibid., 1928, **9**: 15–60.—**Siler, J. F., & Michie, H. C.** Smallpox. Ibid., 357–86.—**Stevens, F. A.** Clinical aspects of streptococcus pneumonia and empyema. Ibid., 1924, **11**: pt 2, 261–84.—**Tasker, A. N.** Typhus fever. Ibid., 1928, **9**: 483–92.—**War** (The) and the spread of infectious disease. N. York M. J., 1917, **105**: 1039.

—— United States: Expeditionary Forces.

AMERICAN BATTLE MONUMENTS COMMISSION. American armies and battlefields in Europe. 547p. 23cm. Wash., 1938.

CARLSON, A. J., EDDY, W. H. [et al.] Food and nutrition. p.662–771. 26cm. Wash., 1926.
In: Med. Dep. U. S. Army in the World War, Wash., 1926, 6:

UNITED STATES. WAR DEPARTMENT. CHIEF SURGEON'S OFFICE. Organization and Administration of the Chief Surgeon's Office, American Expeditionary Forces. p.39–472. 25½cm. Wash., 1927.
In: Med. Dep. U. S. Army in the World War, 1927, 2:

American Divisions with French Armies, 1917–18. In: Med. Dep. U. S. Army in the World War, Wash., 1925, **8**: 291–448, 13 map.—**American** expeditionary activities in Germany, Italy, North Russia, and Siberia. Ibid., 895–969, map.—**American** Expeditionary Forces with the British. Ibid., 875–94, 2 map.—**Callender, G. R.** Pathology of the acute respiratory diseases in the American Expeditionary Forces. Ibid., 1929, **12**: 187–95.—**Combat** divisions in training and rest areas and on the march; depot and replacement divisions. Ibid., 1925, **8**: 83–104.—**Cushing, H.** Organization and activities of the Neurological Service, American Expeditionary Forces. Ibid., 1927, **11**: pt 1, 749–58.—**Dental** (The) section, Chief Surgeon's Office, American Expeditionary Forces. Ibid., **2**: 105–23.—**Division** of Sanitation and Inspection, Chief Surgeon's Office, American Expeditionary Forces. Ibid., 133–6.—**Emerson, H.** Sanitary organization; A. E. F. Ibid., 1926, **6**: 519–42.—**Finance** and Supply Division, Chief Surgeon's Office, American Expeditionary Forces. Ibid., 1927, **2**: 387–417.—**General** organization and development of the Chief Surgeon's Office, American Expeditionary Forces. Ibid., 39–58.—**Goldthwait, J. T.** Orthopedic problems of the American Expeditionary Forces. Ibid., **7**: 1140–50.—**Greenwood, A.** Ophthalmology in the American Expeditionary Forces; injuries and diseases. Ibid., 1924, **11**: pt 2, 677–700, 5 pl.—**Jones, G. M.** Mujeres de las Fuerzas Expedicionarias Americanas. Rev. benef. púb., Santiago, 1929, **13**: 49–64.—**McKernon, J. F.** A brief report of the activities of the Department of Oto-Laryngology of the American Expeditionary Forces, France. Tr. Am. Acad. Ophth. Otolar., 1919, **24**: 7–16. Also Tr. Am. Otol. Soc., 1919, **15**: 78–92. Also Ann. Otol. Rhinol. 1920, **39**: 172–83. ——— Organization of the Otolaryngological Service, A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 792–6.—**Medical** activities of territorial sections, American Expeditionary Forces. Ibid., 1927, **2**: 447–72.—**Medical** Department activities, American Forces in France. Ibid., 829–31.—**Military** attachés and observers, medical officers with special duties, hospital units and casual personnel on duty with Allies; American Expeditionary Forces. Ibid., 13–37, map.—**Nursing** (The) section; reconstruction aides, Chief Surgeon's Office, American Expeditionary Forces. Ibid., 125–31.—**Pickett, S. E.** Zone of the base with the American Expeditionary Forces in France. In: Hist. Am. Red Cross Nurs. (Dock, L. L.) N. Y., 1922, 516. ——— Zone of the advance, American Expeditionary Forces in France. Ibid., 632.—**Report** on organization, equipment, and functions of the Medical Department, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 835–902.—**Salmon, T. W.** General view of neuropsychiatric activities; A. E. F. Ibid., 1929, **10**: 273–302.—**Training** project; A. E. F. Ibid., 1927, **7**: 569–600.—**Veterinary** (The) service, Chief Surgeon's Office, American Expeditionary Forces. Ibid., **2**: 419–72.

—— United States—Hospitals.

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. Military Hospitals in the United States. 857p. 26cm. Wash., 1923.
Forms v.5, of Med. Dep. U. S. Army in the World War.

Anderson, I. W. Ocean Hospital. In her Zigzagging, Bost., 1918, 128–40, pl.—**Carmack, J.** Observations from nine months in oto-laryngology, Base Hospital, Camp Taylor, Kentucky. Indianapolis M. J., 1919, **22**: 512–6.—**Derby, G. S.** Ophthalmic notes from Base Hospital No. 5, U. S. Army, No. 11 General Hospital, B. E. F., France. Ophth. Rec., Chic., 1917, **26**: 536–9.—**Division** of Hospitalization, Chief Surgeon's Office, American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 229–39.—**Harvey, S. C.** Activities of the American First Army Hospital at Deuxnouds. Ibid., **11**: pt 1, 759–75.—**Lovejoy, E. P.** Report of American Women's Hospitals; Reconstruction Committee M. W. N. A. Med. Woman J., 1920, **27**: 142–7.—**Orthopedic** surgery in embarkation hospitals; American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 643–51.—**Pool, E. H.** A report presented at the request of the Executive Committee of the New York Hospital; a visit to France. Gen. Bull. Soc. N. York Hosp., 1916, **1**: No. 7, 1–18.—**Turnure, P. R.** On the installation of a military hospital at the Château of Passy. Ibid., 1915, **1**: No. 4, 1–15.

—— United States—Medical organization.

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. Organization and

administration. p.123–540. 25½cm. Wash., 1923.

In: Med. Dep. U. S. Army in the World War, 1923, 1:

—— Orders, regulations, and other instructions governing the Medical Department during the World War. p.606–1336. 25½cm. Wash., 1923.

In: Med. Dep. U. S. Army in the World War, 1923, 1:

—— Training. 1211p. 26cm. Wash., 1927.

Forms v.7, of Med. Dep. U. S. Army in the World War.

America's contributions; the American Orthopaedic Unit. Brit. M. J., 1917, **1**: 779.—**Ashford, B. K.** General organization of the medical services in this war. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 759–62.—**Bailey, P.** Division of Neurology and Psychiatry, Surgeon General's Office. Ibid., 1923, **1**: 384–94. ——— **Williams, F. E., & Komora, P. O.** Neuropsychiatry; organization. Ibid., 1929, **10**: 5–22.—**Barrett, C. W.** The constructive sides of war, with some phases of its relation to the medical profession. Mississippi Valley M. J., 1917, **24**: 337–43.—**Blumenthal, R. W.** History 32nd Division Medical Dept., 1917–19. Milwaukee M. Times, 1943, **16**: No. 7, 23; passim.—**Committee** on Medicine, Council of National Defense. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 559–65.—**Field** operations; general view of the Medical Department organization. Ibid., 1925, **8**: 13–289.—**Johnston, G. C.** Division of Roentgenology. Ibid., 1923, **1**: 465–73.—**Liaison** of the Medical Department, United States Army, with the medical services of the Allies. Ibid., 1927, **2**: 71–84.—**Logan, W. H. G.** Dental Division; Surgeon General's Office. Ibid., 1923, **1**: 191–6.—**Military** orthopaedics and the American unit. Brit. M. J., 1917, **1**: 772.—**Munson, E. L.** Division of Medical Department Training; Medical Officers' Training Camps; Surgeon General's Office. In: Med. Dep. U. S. Army in the World War, Wash., 1923, **1**: 213–7.—**Owen, W. O.** The proper organization of the medical profession of the nation at war, with moving pictures. South. M. J., 1917, **10**: 926–32.—**Report** of the committee representing the American Otological Society, the American Laryngological Association, and the American Laryngological, Rhinological and Otological Society to the Council Of National Defense; Exhibit 1, 2, & 3. Tr. Am. Laryng. Ass., 1917, **35**: 271–81.—**Rich, E. A.** The Cody orthopedic casual detachment. Am. J. Orthop. Surg., 1918, **16**: 340–5.—**Training** in divisional camps and in posts. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 301–62.—**Training** of Medical Department; plan and development. Ibid., 1–16.—**Weed, F. W.** Relationships of the Medical Department within the military establishment. Ibid., 1923, **1**: 106–22.—**Zabriskie, E. G., Rhein, J. H. W.** [et al.] Division, Corps, and Army consultants; A. E. F. Ibid., 1929, **10**: 303–24.

—— United States—Medical services.

HOWE, M. A. DE W., ed. The Harvard volunteers in Europe; personal records of experience in military, ambulance, and hospital service. 264p. 18cm. Cambr., 1916.

MORRIS, S. J. Otolaryngology in the United States. p.729–90. 26cm. Wash., 1924.

In: Med. Dep. U. S. Army in the World War, 1924, **11**: pt 2.

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. Neuropsychiatry. 543p. 26cm. Wash., 1929.

Forms v.**10**, of Med. Dep. U. S. Army in the World War.

Anderson, I. W. Auto-Chir No. 7. In her Zigzagging, Bost., 1918, 49–67, illust.—**Cavenee, E. L.** Experiences in the war zone. J. Am. Inst. Homoeop., 1915–16, **8**: 907–12.—**Cumston, C. G.** Medicina y cirurgía en el Ejército y la armada. Rev. amer. farm., N. Y., 1917, **23**: 32.—**Davison, W. C.** Medical experiences of a Rhodes' scholar in the European war. Boston M. & S. J., 1915, **173**: 829.—**Eastmond, C.** Notes on the Roentgen ray work of an overseas hospital. Am. J. Roentg., 1919, n. ser., **6**: 269.—**Fauntleroy, A. M.** Medical aspects of the European war. Bull. Johns Hopkins Hosp., 1916, **26**: 188.—**General** direction of the medical service, theater of operations. In: Med. Dep. U. S. Army in the World War, Wash., 1925, **8**: 55–82.—**Graham, G. D.** Dental history of the Second Division, A. E. F., March 10th to November 6th, 1918. J. Ass. Mil. Dent. Surg. U. S., 1919, **3**: 115–21.—**Hoyle, E. P.** Medical and surgical experiences in the first World War and some statistics and medical measures of greatest value to all Army Medical Corps. Homoeop. Rec., 1942–43, **58**: 57; passim.—**Hudston, R.** Medical aspects of the present European war. Denver M. Times, 1914–15, **34**: 377–85.—**Inlow, W. D.** The Indiana physician in World War I. J. Indiana M. Ass., 1949, **42**: No. 8, Suppl., 92–105.—**Lilienthal, H.** In the Zone of the Advance with Team 39. Med. Times, N. Y., 1920, **48**: 128.—**Lockwood, I. H.** A brief résumé of the x-ray work in an evacuation hospital. Mil. Surgeon, 1919, **44**: 389–92.—**Loew, H. K.** A summary of medico-military facts developed by experiences on the European battle fronts. N. York M. J., 1917, **106**: 5–10.—**McGee, R. P.** Some things we learned in the war. Oral Hyg., Pittsb., 1920, **10**: 1383–98.—**Medical** service of the division in combat. In: Med. Dep. U. S. Army in the World War, Wash., 1925, **8**: 105–55.—**Medical** (The) services (American) In: Report Allied Armies under Marshal Foch (U. S. War Dep. Milit. Bd. Allied Supply) 1925, **2**: 420–49.—**Molle, E. F.** Reminiscences from one of the oversea dental units. Oral Hyg., Pittsb., 1916, **6**: 800–5.—**Morris, S. J.** Otolarnygology in the United States; statistics. In: Med. Dep. U. S. Army in the World War, Wash., 1924, **11**: pt 2, 744–55.—**Mosher, H. P.** An informal report on otolaryngology in the first year of the war. Ann. Otol. Rhinol., 1918, **27**: 437–55. Also J. Am. M. Ass., 1918, **71**: 1872–7. Also Tr. Am. Laryng. Ass., 1918, **40**: 87–105. Also Tr. Am. Otol. Soc., 1918, **14**: pt 3, 487–506.—**Nydegger, J. A.** Some recent medical observations in the European war zone. Med. Rec., N. Y., 1916, **90**: 318–20. Also Maryland M. J., 1917, **60**: 27–32.—**Otolaryngology** in the American Expeditionary Forces. In: Med. Dep. U. S. Army in the World War, 1924, **11**: pt 2, 791–809.—**Peterkin, S.** Medicine, surgery, hospitals and the war. Memphis M. Month., 1918, **39**: 265.—**Powell, C.** A consideration of a few of the many lessons in medicine and surgery taught by the present European war. Colorado M., 1916, **13**: 143–6.—**Russo, D. R.** Indiana doctors in wars; wartime medical history to 1914. J. Indiana M. Ass., 1949, **42**: No. 8, Suppl., 89–91.—**Salmon, T. W., & Williams, F. E.** Neuropsychiatry; preface. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: p. v-vii.—**Schweinitz, G. E. de.** Ophthalmology in the United States; statistics. Ibid., 1924, **11**: pt 2, 556–61.—**Seaman, L. L.** Personal observations on some medical and other features of the present war. Yearb. M. Ass. Gr. N. York, 1915, 104.—**Speakman, W. C.** The dental surgeon and his work in the war zone. J. Ass. Mil. Dent. Surg. U. S., 1919, **3**: 111–5.—**Upshur, J. N.** The World War and the medical profession's part in it. Tr. Tristate M. Ass. Carolinas & Virginia, 1918–19, **20**: 131–5.—**Williams, F. E.** Neuropsychiatry in the United States; introduction. In: Med. Dep. U. S. Army in the World War, Wash., 1929, **10**: 1–3. ——— **Neuropsychiatry**; observation and treatment. Ibid., 87–130. ——— **& Komora, P. O.** Neuropsychiarty; personnel. Ibid., 23–38.—**Wilson, R. D.** Experiences in France. J. Lancet, 1918, **38**: 591–6.

—— United States: Navy.

UNITED STATES. DEPARTMENT OF THE NAVY. BUREAU OF MEDICINE AND SURGERY. NAVMED 1197: The Medical Department of the United States Navy with the Army and Marine Corps in France in World War I; its functions and employment. 322p. 23½cm. Wash., 1947.

Grayson, C. T. The doctors work for naval preparedness. South. M. J., 1917, **10**: 6–12.—**Reuterdahl, H.** Medical activities of the U. S. Navy under Admiral Sims' command. Am. Med., 1919, n. ser., **14**: 417.

—— United States—Sanitation.

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. Sanitation. 1141p. 26cm. Wash., 1926.

Forms v.**6**, of Med Dep. U. S. Army in the World War.

Army food inspection in the World War (1917–19) Vet. Med., Chic., 1940, **35**: 612–5.—**Department** of Sanitation and Public Health, Amer. Expeditionary Forces, German occupied territory. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2**: 821–7.—**Murlin, J. R.** Work carried out by nutritional survey parties and nutrition officers at U. S. military stations. Ibid., 1926, **6**: 191–205.

—— United States—Surgical aspect.

CUSHING, H. From a surgeon's journal, 1915–18. 534p. 8° Bost., 1936.

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE. The Medical Department of the United States Army in the World War. v.**11**: Surgery. 2v. 1324p.; 827p. 26cm. Wash., 1924–27.

Albée. War surgery in France. N. York M. J., 1917, **105**: 281.—**Bell, W. J.** Surgery on the battle-field. J. Tennessee M. Ass., 1918–19, **11**: 61–7.—**Blake, J. A.** Surgical impressions of the World War. Mil. Surgeon, 1926, **58**: 225–36.—**Brewer, G. E.** Experiences of a surgeon in the war zone. Med. Rec., N. Y., 1919, **95**: 213. Also N. York M. J., 1919, **109**: 259–62. ——— Presidential address. Tr. Am. Surg. Ass., 1920, **38**: 1–35. ——— War surgery. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 875–80.—**Campbell, W. F.** Experiences of a Red Cross surgeon. Med. Times, N. Y., 1918, **46**: 303–5.—**Clark, W. I.** Some observations on war surgery in France. Boston M. & S. J., 1918, **179**: 365–8.—**Collective** surgical experiences at the front and at the base. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 130–65.—**Corwin, R. W.** War surgery abroad and at home. Northwest M., 1918, **17**: 12–4.—**Cumston, C. G.** Medical notes from the Front; conservative surgery. N. York M. J., 1918, **107**: 1036–8.—**Cutler, E. C.** War surgery under front line conditions; report of the work of Casual Surgical Team No. 506,

(originally No. 6) from June 18, 1918 to August 8, 1918. Ann. Surg., 1919, **70**: 695–712.—**Drennen, W. E.** Experiences in military surgery. J. Am. M. Ass., 1915, **65**: 296–300.—**Eastman, J. R.** Memoranda of military surgery. J. Indiana M. Ass., 1916, **9**: 445–7.—**Farrell, P. J. H.** The military surgeon on the firing line. Illinois M. J., 1915, **27**: 118–20. Also N. York M. J., 1915, **101**: 1062–4.—**Fasser, A. O.** A few remarks on European war surgery. Railw. Surg. J., 1916–17, **23**: 255–7.—**General** principles of treatment of gunshot wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 801–3.—**Gray, H. M. W.** Surgical work at a casualty clearing station, or evacuation hospital; a general outline of work during severe fighting. N. York M. J., 1918, **107**: 264–6.—**Hanson, A. M.** Management of gunshot wounds of the head and spine in forward hospitals, A. E. F. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 776–94.—**Hoguet, J. P.** Observations on military surgery in the early weeks of the war. J. Am. M. Ass., 1914, **63**: 2194–9.—**Hoyle, E. P.** Medical and surgical experiences in the first World War and some statistics and medical measures of greatest value to all Army Medical Corps. Homoeop. Rec., 1942–43, **58**: 57; 109.—**Love, A. G.** General surgery; statistics. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 57–85.—**Military** surgery, some lessons taught by the present war. Sc. Am. Suppl., N. Y., 1915, **79**: 54.—**Neff, J. M.** Some recent experiences in military surgery. Railw. Surg. J., 1917–18, **24**: 219–24.—**Ney, K. W.** Notes on military surgery from personal experiences in the present European war. N. Orleans M. & S. J., 1916–17, **69**: 546–58.—**Nuzum, T. W.** My experience as an Army surgeon. Wisconsin M. J., 1920–21, **19**: 112–5.—**Oredson, O. A.** Work of a European war surgeon. J. Lancet, 1915, **35**: 70.—**Orthopedic** surgery; organization. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 549–90.—**Osgood, R. B.** First impressions of the opportunity for orthopaedic work at the American Ambulance. Boston M. & S. J., 1915, **173**: 7–9.—**Pool, E. H., Lee, B. J., & Dineen, P. A.** Surgery of soft parts, bones, and joints, at a front hospital. Surg. Gyn. Obst., 1918, **27**: 289–311.—**Robert, D. R.** An American surgeon with the French Red Cross. N. York M. J., 1915, **101**: 318–22.—**Robinson, V.** The note-book of a war surgeon. Med. Rev. of Rev., 1917, **23**: 735–44.—**S., G. G.** An American surgeon in France. Boston M. & S. J., 1915, **173**: 449. ——— War surgery in France. Ibid., 487.—**Schmitt, J. S.** American surgeons under fire. Mil. Surgeon, 1916, **38**: 518–24.—**Skillern, P. G., jr.** Review of military surgery for 1917. Med. & Surg., S. Louis, 1918, **2**: 136–44.—**Tarnowsky, G. de.** A corner of the great battlefield. J. Am. M. Ass., 1918, **70**: 1382. ——— Surgery at the front. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: pt 1, 86–129.—**Therapeutic** (The) results of Army surgery in the present war. N. York M. J., 1916, **103**: 270.—**Tullidge, E. K.** Military surgery and the surgeon in the present European war. Am. Med., 1916, **11**: 111–3. ——— The surgeon in the present war. Internat. J. Surg., 1916, **30**: 146–52.—**Wallace, C.** War surgery. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 731–8.—**Yates, J. L.**, [et al.] Laboratory of surgical research, Central Medical Department Laboratory, American Expeditionary Forces, A. P. O. No. 721, France. Boston M. & S. J., 1919, **180**: 405–17.

—— United States—Transportation and evacuation.

HATCHET (The) of the United States Ship George Washington; compiled by E. T. Pollock, & P. F. Bloomhardt. 273p. 8° N. Y., 1919.

Evacuation hospitals, mobile hospitals, mobile surgical units, professional teams, convalescent depots, evacuation ambulance companies, mobile laboratories. In: Med. Dep. U. S. Army in the World War, Wash., 1925, **8**: 157–222.

—— Verdun.

LENG, W. S. Q. S. S. A. 10. Notes on the work of a British volunteer ambulance convoy with the 2nd French Army (of Verdun) 71p. 8° Sheffield, 1918.

Förster, W. Als Assistenzarzt vor Verdun beim Res. Inf. Regt. 82, März bis Mai 1916. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 171–8.—**Groth, W., & Müller, E.** Auf den Maashöhen vor Verdun, September 1914; Heldentod eines Korpsarztes. Ibid., 157–61.—**Vollbrecht.** Auf Verdun, 1916. Ibid., 164–70, illust.

—— West Africa.

Rallo, A. Uno sguardo all'organizzazione ed al funzionamento del servizio sanitario militare di Dakar. Ann. med. nav., Roma, 1915, **1**: 168–76.

—— Western Front.

See also other subheadings.

MEYER, E. G. Der unbekannte Soldat; Erlebnis und Gedanken eines Truppenarztes an der Westfront. 97p. 20cm. Münch., 1929.

Anderson, I. W. In the trenches at Rheims. In her Zigzagging, Bost., 1918, 37–48.—**Bayly, H. W.** Medical memories of war service by land and sea; land service at home and on the Western Front, September 1915 – February 1919. S. George Hosp. Gaz., Lond., 1943–44, **33**: 48–52.—**Burkitt, E. H.** Surgical notes from the western front during the summer fighting of 1917. Med. J. Australia, 1918, **1**: 21–8.—**Delorme, E.** Des enseignements de la guerre germanique sur le front francais (août 1914, août 1916) Progr. méd., Par., 1916, **31**: 163–78.—**Eiselsberg, A. v.** Eine Fahrt an die Westfront. In his Lebensweg &c., Innsbr., 1949, 279–88.—**Franke, P.** Die 2. San. Komp. XXI. A. K. bei Lagarde: in der Schlacht in Lothringen; bei Xermamenile; französische Gefangenschaft. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 145–57.—**Impressions** (Some) of a civilian at the Western Front. Brit. M. J., 1916, **2**: 432.—**Kessler.** Eindrücke eines Bataillonsarztes aus dem letzten Kriegsjahr im Westen. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 196–216, illust.—**Meisen, V.** [Surgical impressions from a tour of England and of the British Front in northern France (October–November 1917).] Ugeskr. laeger, 1918, **80**: 243–257.—**S.** Typhoid fever in the western arena of war. Boston M. & S. J., 1915, **172**: 499.—**Simon.** Beobachtungen vom westlichen Kriegsschauplatze. Deut. Zschr. Chir., 1915, **132**: 574–80.—**Stephan.** Mit der San. Komp. in Vorfeldstellung 1918. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 194–6.—**Steuber, W.** Friedensjahre; Schulung für den Krieg; Ausbruch des Krieges; an der Westfront 1914/15. In his Arzt & Soldat, Berl., 1940, 199–217. ——— Wieder an der Westfront; Armeearzt der 18. Armee. Ibid., 326–52.—**Torrance, G. M.** In the hands of the Hun: a record of six months' captivity. Caledon. M. J., 1934–36, **15**: 541; 587.—**Vollbrecht, H.** An der Westfront in Frankreich 1914–17. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 119–36.—**Western** (The) Front. Brit. M. J., 1918, **2**: 444.—**Weygandt, W.** Von einer Automobilfahrt zum westlichen Kriegsschauplatz. Münch. med. Wschr., 1914, **61**: 2266.—**White, E. W.** Observations on shell shock and neurasthenia in the hospitals in the Western Command. Brit. M. J., 1918, **1**: 421.—**Wolf, W.** Erfahrungen allgemeiner Art aus einem Feldlazarett des westlichen Kriegsschauplatzes. Med. Klin., Berl., 1915, **11**: 1104.—**Zechlin.** Während der Abwehrschlacht August 1918. In: Streiflicht. Wirk. San. Korps Weltkriege (Musehold, P.) Oldenb., 1927, 191–4.

—— Ypres [Ieper]

Hanslian, R. Der deutsche Gasangriff bei Ypern am 22. 4. 1915. Gasschutz, 1934, **4**: 98; passim, illust.

WORLD War II (1939–1945)

For additional references to appropriate subjects see also the H (1942), I–J (1943), K–L (1945) and M_1 (1948) volumes of the Fourth Series of the Index-Catalogue.

Appendix A: Chronology. In: Prev. Med. in World War II, Wash., 1948, **8**: 262–6.—**Basias, L. J.** [Preparing the medical history of the present war in England and America] Hosp. delo, 1945, No. 4, 12–5.—**Chemical** warfare chronology of World War II; summary of news dispatches appearing in American Daily Press for 1941 and 1942. Chem. Warf. Bull., 1942, **28**: 115–8.—**Gibbon, J. M., & Mathewson, M. S.** World War II. In their Three Cent. Canad. Nurs., Toronto, 1947, 453–82.—**Guides** to historical writing. Bull. U. S. Army M. Dep., 1946, **5**: 48–51.—**H., J. T.** Moloch; 1940. S. Barth. Hosp. J. War Bull., Lond., 1939–40, **1**: 197.—**Henry, H. M.** Western Hemisphere defense. Social Sc., 1942, **17**: 36–48.—**History** of professional experience in World War II. Bull. U. S. Army M. Dep., 1945, No. 89, 40–2.—**Hogben, L., Johnstone, M. M., & Mullings, D.** The medical ethnography of the second World War. Brit. J. Social M., 1947, **1**: 251–75.—**Ipsen, P.** [Maritime war, 1939] Militaerlaegen, 1940, **46**: 1–22.—**Phalen, J. M.** This too will pass [Edit.] Mil. Surgeon, 1942, **90**: 201.—**Riegelman, H.** This gasless war. Chem. Warf. Bull., 1941, **27**: 161.—**World** (The) at war. Nature, Lond., 1941, **148**: 719.—**World** War II. Minnesota M., 1942, **25**: 55.

—— Abyssinian Campaign (1940–1941)

See also subheading (East Africa)

Barnsley, R. E. The medical services and experiences of the Abyssinian Campaign, 1940–41. In: Interallied Conf. War Med. (1942–45) 1947, 277–81.—**Cormack, R. P.** Some medical aspects of the campaign in Somaliland and Ethiopia, 1941. East Afr. M. J., 1943, **20**: 357–75.—**Goulston, E.** Guerrilla surgery. Med. J. Australia, 1942, **2**: 134–6.—**McGill, R. J.** Medical experiences with the Ringrose Force in Abyssinia. J. R. Army M. Corps, 1943, **80**: 58–63.

—— Adriatic sector.

See also subheading (Mediterranean Theater of Operations)

D'Abreu, A. L. War wounds of the chest on the Adriatic sector. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 57–9.

—— Africa.

See also other subdivisions (Abyssinian Campaign; Congo; East Africa; North Africa; Northwest Africa; South Africa; West Africa)

VICKERY, E. L. History of the Medical Section, Africa—Middle East Theater, September 1941 to September 1945. MS. 2v. 352p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

Barker, M. H. Northwestern University Medical School's General Hospital in Africa. Q. Bull. Northwest. Univ. M. School, 1944, **18:** 63–9.—**Bayer, E.** Truppenarzt in Afrika. Zschr. ärztl. Fortbild., 1941, **38:** 394.—**Development** of a medical service for airline operations in Africa. War Med., Chic., 1943, **3:** 484; 619.—**Green, J. C.** Experiences with vascular injuries in Africa and Italy. Mississippi Doctor, 1947–48, **25:** 101–5.—**Letters** from Africa. S. Barth. Hosp. J., Lond., 1943–44, **47:** 190–4.—**Ogilvie, W. H.** War surgery in Africa. Brit. J. Surg., 1943–44, **31:** 313–24. Also Spanish transl., Rev. san. mil., B. Air., 1944, **43:** 951–78. ——— War in Africa. J. Canad. M. Serv., 1943–44, **1:** 396–403.—**Smith, N. W.** With the Free French. Australas. Nurs. J., 1943, **41:** 95–7.—**Stein, H. K.** Somewhere in Africa. Gradwohl Laborat. Digest, 1943–44, **7:** No. 4, 5.—**Wilson, R. A.** Pharmacy with Seabees in equatorial Africa. Hosp. Corps Q., 1944, **17:** No. 4, 35–8.

—— el-Alamein (1942)

See also subheading (Egypt; North Africa)

Bishop, J. C. Experiences of a battle casualty at El Alamein. J. R. Army M. Corps, 1944, **82:** 125–9.—**Employment** of CW mortar troops at el Alamein. Milit. Rep., Wash., 1943, No. 4, 30.—**Extracts** from British medical officer's notes on battle casualties from El Alamein. Bumed News Lett. Wash., 1943, **1:** No. 6, 22.—**Gear, H. S.** Hygiene aspects of the El Alamein victory, 1942. Brit. M. J., 1944, **1:** 383–7. Also Spanish transl., Rev. san. mil., B. Air., 1945, **44:** 1192–206.—**Giblin, T.** Abdominal surgery in the Alamein Campaign. Austral. N. Zealand J. Surg., 1943–44, **13:** 37–64.—**Wallace, Q. V. B.** The battle of Alamein and the campaign in Libya. In: Interallied Conf. War Med. (1942–45) 1947, 312–9.—**Wounded** from Alamein; observations on wound shock and its treatment. Bull. Army M. Dep., Lond., 1943, Suppl. No. 7, 1–32.

—— Alaska.

See also other subheadings; also **Water supply,** Sanitary survey.

MCNEIL, G. H. History of the Medical Department in Alaska in World War II. MS. 477p. n. p., before June 1946.
MS. in Histor. Div. SGO U. S. Army.

Canol project. In: Prev. Med. in World War II, Wash., 1948, **8:** 9–13.—**Fritz, M. H.** Ophthalmology in Alaska. Air Surgeon Bull., 1944, **1:** No. 12, 12.—**Health** conditions among U. S. Army troops in Alaska, 1942–47. Health U. S. Army, 1947, **2:** No. 10, 2; No. 11, 2.—**Salvato, J. A.,** jr. Sanitary survey, water supply, Skagway District, Skagway, Alaska In: Prev. Med. in World War II, Wash., 1948, **8:** 164–8.—**Staats, C. E.** Somewhere in Alaska. West Virginia M. J., 1943, **39:** 328.

—— Albanese Greek Italian Campaign (1940–1941)

See also subheading (Greece; Italy)

Colucci, C. Con il 40° nucleo chirurgico sul fronte greco-albanese; note e rilievi. Gior. med. mil., 1943, **91:** 5–20.—**Della Mano, N.** Il funzionamento e l'impiego del nucleo chirurgico in guerra; gli insegnamenti della campagna d'Albania. Atti Congr. naz. chir. guerra (1942) 1943, 1. Congr., 122–4.—**F., D.** Il Servizio sanitario nell'occupazione dell'Albania. Forze san., Roma, 1941, **10:** No. 3, 19.—**Lampis, E.** Il servizio sanitario nell'occupazione italiana dell'Albania. Gior. med. mil., 1940, **88:** 565–76.—**Lecchini, L.** Appunti di nosografia di guerra sul fronte albanese nel semestre novembre 1940–aprile 1941. Policlinico, 1942, **49:** sez. prat., 123–30.—**Pegoraro, C.** Aspetti clinici e fisiopatologici della nefrite di guerra del fronte greco-albanese. Gior. med. mil., 1943, **91:** 60.—**Roncallo, E., & Di Negro, G.** Sindrome da carenza polivitaminica in reduce d'Albania. Ibid., 1942, **90:** 373–83.—**Sacchetti, A.** Le malattie a frigore nei militari provenienti dal fronte occidentale e greco-albanese. Gazz. osp., 1942, **63:** 643–52.—**Scouras, P.** Les trouble psychiques observés sur le front d'Albanie; psychoses de guerre et syndromes psychoréactifs. Hyg. ment., Par., 1946–47, **36:** 73–83.

—— Aleutian Islands (1942–1943)

See also subheading (Attu; Kiska; Unalaska)

Aleutians (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 4, 1–19.—**Burns, G. C.** Neuropsychiatric problems at an Aleutian post. Am. J. Psychiat., 1945–46, **102:** 205–13.—**Stager, W. R.** A flight surgeon's notes on the Aleutians. Air Surgeon Bull., 1945, **2:** 122–4.

—— Algeria.

See also subheading (Oran)

Somewhere in Algeria; a U. S. A. emergency hospital. Nurs. Times, Lond., 1943, **39:** 95.

—— Alsace.

Nancy. Huit mois de campagne en Alsace et en Allemagne. Bull. Soc. méd. Pau, 1946, **46:** 2552–64.

—— Ancon.

See also subheading (Panama Canal)

Sanitary regulations, Division Engineer, Panama Division, Ancon, Canal Zone. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 3, Chapt. 19, Exh. B, 1–46, 6 plan.

—— Antarctic Expedition (1944–1946)

See also subheading (United States—Navy)

Back, E. H. Medical aspects of a wartime Antarctic expedition, 1944–46 (Operation Tabarin) J. R. Nav. M. Serv., 1947, **33:** 193–7.

—— Antilles.

See also subheading (West Indies)

UNITED STATES. ARMY. ANTILLES DEPARTMENT. Professional history of internal medicine in World War II; The Antilles Department. MS. 139p. n. p., before July 1946.
MS. in Histor. Div. SGO U. S. Army.

—— SURGEON'S OFFICE. History of Medical Department Activities; Antilles Department; preventive medicine. 157p. 27½cm. Wash., 1948.
Forms v.7, Prev. Med. in World War II, Wash.

—— Anzio (1944)

See also subheading (Italian Campaign)

HYMAN, S. The medical story of Anzio. MS. 23p. n. p., before Sept. 1944.
MS. in Histor. Div. SGO U. S. Army.

White, R. Y. At Anzio beachhead. Am. J. Nurs., 1944, **44:** 370.

—— Apamama.

See also subheading (Gilbert Islands)

Apamama. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 5, 22.

—— Arakan Operations (1944–1945)

See with subheading (Burma Campaign)

—— Arnhem (1940; Sept. 1944–1945)

See also subheading (Holland)

Longland, C. J. Experiences of a medical officer with a parachute unit at Arnhem. In: Interallied Conf. War Med. (1942–45) 1947, 384–6.—**Warrack, G. M.** The R. A. M. C. at Arnhem. Ibid., 351–5.

—— Aruba (1942)

See also subheading (West Indies)

Aruba [Ned. West Indies] In: Prev. Med. in World War II, Wash., 1948, **7:** 115.

—— Assam (1943–1944)

See also subheading (Burma Campaign, India)

WITTELS, T. S. Field medical installations and equipment for the early care and evacuation of casualties from air attacks in Assam, India. 21 l. 27cm. Dayton, 1944.
Forms No. ENG–49–697–2L, Memo Rep. Aero M. Laborat. U. S. Air Force.

Elsom, K. A., & Rogers, A. M. Amoebiasis as seen in an Army general hospital in Assam. Field M. Bull. (Burma) 1945, **4:** 316–25.—**Grindlay, J. H.** Treatment of skin infections in the Assam-Burma jungle. Bull. U. S. Army M. Dep., 1944, No. 74, 74–80.—**Marriott, H. L.** Medical lessons from the Assam-Burma Campaign. In: Interallied Conf. War Med. (1942–45) 1947, 493–5.—**Notes** on jungle of North Eastern India, between Assam and Burma. ADTIC Digest, Eglin Field, 1943, Ser. 1, No. 1, 10.

—— Atlantic area.

See also subheadings (South Atlantic; Western Atlantic)

Bibliography; medical installations in the Atlantic area, manuscript materials. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 95–8.—**Medical** installations in the Atlantic area. Ibid., 1–98.

—— Attu (1942–1943)

See also subheading (Alaska; Aleutian Islands)

Attu. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 4, 1–10.—**Japanese** medical service on Attu. Bull. U. S. Army M. Dep., 1943, No. 69, 20–2.—**Lesser, A.** Report on immersion foot casualties from the battle of Attu. Ann. Surg., 1945, **121**: 257–71. Also Spanish transl., An. cirug., B. Air., 1945, **4**: 263–77.

—— Australia.

Fellmeth, F., & Umbach, E. D. Army nurses in Australia and Iceland. Am. J. Nurs., 1942, **42**: 689.—**Fortune, C.** Some aspects of medical disease confronting us in our war with Japan. Med. J. Australia, 1942, **2**: 320–2.—**Letter** from Down Under; a First Lieutenant, M. C., writes of his experiences in Australia. Interne, N. Y., 1943, **9**: 175.—**Nevin, S. M.** U. S. Army Veterinary Service in Australia. Bull. U. S. Army M. Dep., 1944, No. 81, 113–9. ——— The Veterinary Service of Uncle Sam's Army in Australia. Vet. Med., Chic., 1944, **39**: 446–50.—**Our** war correspondents. Detroit M. News, 1942–43, **34**: No. 31, 16–20.—**Sibree, E. W.** Acute polyarthritis in Queensland. Med. J. Australia, 1944, **2**: 565–7.

—— Austria.

See also **Occupied area**—by regions: Austria.

Festversammlung der Wiener Aerzteschaft zum Jahrestag der Befreiung Wiens durch die Rote Armee. Oesterr. Aerztezig, 1945–46, **1**: No. 8, 11–3.—**Ritschl, F.** Auswirkungen des zweiten Weltkrieges auf die Volksgesundheit in Oesterreich. Tagungsber. Oesterr. Aerztet. (1947) 1948, 1. Congr., 140–51.—**Vienna** (The) University after Nazi occupation of Austria. Calcutta M. J., 1938, **34**: 447–9.

—— Baltic States.

See also subheading (Russo-German War)

Bachmann, W. Epidemiologische Erfahrungen bei der Ruhr in einem Armeebereich während des Ostfeldzuges 1941. Bull. War M., Lond., 1942–43, **3**: 280 (Abstr.)—**Karpov, M. K.** [Epidemic control in offensive operations in Pribaltic] Voen. med. J., Moskva, 1945, June, 16–21.

—— Bashkiria.

See also subheading (Russia)

Lukmanov, S. Health service in Bashkiria in wartime. Am. Rev. Soviet M., 1945–46, **3**: 190.

—— Bastogne [Battle of the Bulge, 1944–45]

Phalen, C. S. Medical service at Bastogne. Mil. Surgeon, 1947, **100**: 37–42.

—— Bataan (Jan.–Apr. 1942)

See also subheadings (Corregidor; Philippine Islands)

Redmond, J. I served on Bataan. 167p. 20½cm. Phila., 1943.

United States. Army Service Forces. Home from Bataan. 94 l. 43cm. Wash., 1945.

Facsimiles of newspaper clippings on the return of U. S. Army nurses.

American Army nurses at Bataan. Nurs. Times, Lond., 1943, **39**: 753.—**Cooper, W. E.** Final period of BataanC ampaign. In his Med. Dept. Activ. Philippines, Wash., 1946, 36. ——— The march from Bataan. Ibid., 100–6.—**Geister, J. M.** She came back from Bataan [Helen Summers] N. York State J. M., 1942, **42**: 2247. Also Trained Nurse, 1942, **109**: 252–4.—**Hatchitt, E., MacDonald, F., & Jenkins, R.** Nursing on Bataan. Pacific Coast J. Nurs., 1942, **38**: 398–401.—**Heroic** (The) nurses of Bataan and Corregidor. Am. J. Nurs., 1942, **42**: 896–8.—**Jungle** hospital. Time, 1942, **39**: No. 7, 58.—**MacDonald, F.** Nursing the sick and wounded at Bataan and Corregidor. Hospitals, 1942, **16**: No. 12, 31–3.—**Motley, R.** Bataan and its aftermath. J. Am. Diet. Ass., 1946, **22**: 201–5.—**Ritt, C.** Filipino nurses on Bataan. Am. J. Nurs., 1945, **45**: 346.—**Taking** care of the wounded on the Bataan front. Mil. Rev., Fort Leavenw., 1942, **22**: No. 84, 41.

—— Belgium (1940–1945)

See also subheadings (Bastogne) also **Occupied area**—by regions: Belgium.

Bech, A. Les trains sanitaires pendant la campagne 1940. 160p. 22cm. Brux., 1945.

Clark, A. F., jr. Operations in Belgium and France 1939–40. Mil. Engineer, 1941, **33**: 368–73.—**Gretton-Watson, B. G.** The arrival of the Belgian convoy. S. Barth. Hosp. J. War Bull., Lond., 1939–40, **1**: 177.—**Palmer, I.** Kriegskirurgiska studier under en resa i Tyskland och de ockuperade delarna av Belgien och Frankrike. Nord. med., 1941, **9**: 611–3.—**Sand, R.** Les effets de la guerre sur la santé de la population belge. Arch. belg. méd. sociale, 1946, **4**: 7–24, 3 tab.—**Sicard, A., & Bompart, H.** Notes sur le fonctionnement d'une ambulance chirurgicale en Belgique et sur l'activité d'un hôpital du Nord pendant les mois de mai à juillet 1940. Presse méd., 1940, **48**: 960.

—— Bengal.

See also subheading (India)

Fitch, K. S. Serum transfusions in air-raid casualties in south-east Bengal. Ind. M. Gaz., 1944, **79**: 611–4.—**Orr, I. M.** Medical aspects of Bengal famine relief. In: Interallied Conf. War Med. (1942–45) 1947, 376–84.

—— Bengasi.

See also subheading (Libia)

Mustardé, J. C. Benghasi. In his The Sun Stood Still, Lond., 1945, 4. impr., 61–79.

—— Bermuda.

History of preventive medicine; Bermuda Base Command, U. S. Army. In: Prev. Med. in World War II, Wash., 1948, **6**: 66–72.—**United States** Naval Mobile Base Hospital Number 1, Bermuda. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 67–70.

—— Biak Island (1942–1944)

See also subheading (Japan)

Schafer, E. W. Investigation of Japanese medical depots on Biak Island. J. Am. M. Ass., 1944, **126**: 34.

—— Bismarck Archipelago.

See with subheading (New Guinea)

—— Bonin Islands (1944–1945)

See also subheading (Japan; Western Pacific) also **Occupied area**—by regions: Japan and Pacific Islands.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 13: Health and disease in the Bonin and adjacent islands. 4p. 27cm. Orlando, 1944.

—— Borneo (1941–1945)

See also subheading (Malaysia; Pontianak)

English, J. C. Malaria in the Borneo operations May 1–Sept. 1, 1945. 16 l. 35½cm. n. p., 1945.

—— Bougainville (1942–1945)

See also subheadings (Solomon Islands; Western Pacific)

Oughterson, A. W. [et al.] Study of wound ballistics; report on casualties at Bougainville from 15 February to 22 April 1944. MS. 2v. 240p. [97]p. n. p., after Apr. 1944.

MS. in Histor. Div. SGO U. S. Army.

Bougainville. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 3, 67–82.—**Savitt, L. E.** With the American Division at Bougainville. Mil. Surgeon, 1944, **95**: 257–63.

—— Brazil (1942–1945)

See also other subheadings (Italian Campaign; Napoli; Taro River)

Lobo, A. O serviço de sáude do Destacamento F. E. B. Rev. med. mil., Rio, 1947, **36**: 286–325.—**M., P.** O Serviço de saúde da Força expedicionária brasileira. Ibid., 1945, **34**: 1–6.

—— Bremen.

United States Naval Advanced Base, Bremen. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 57–61.

—— Budapest (Siege of) (6 Nov. 1944–13 Febr., 1945)

See also subheading (Hungary)

Bakucz, J. Effect on the organisms of children of privations caused by the siege of Budapest. Am. J. Dis. Child., 1947, **73**: 489–96.—**Recht, S.** Kinderärztliche Erfahrungen nach der Belagerungs- und Hungerperiode in Budapest. Schweiz. med. Wschr., 1946, **76**: 563–6.

—— Bug-Vistula offensive.

See also subheading (Russo-German War)

Baidalov, F. T. Organizacija specialnoj pomośći ranennym v golovu v period Bugsko-Vislenskoj nastupatelnoj operacii. Voen. med. J., Moskva, 1946, No. 6, 29–32.

—— Buna Campaign (1942–1943)

See also subheading (New Guinea)

Marks, G. A. Portable surgical hospital at Buna. Bull. U. S. Army M. Dep., 1943, No. 71, 43–55.—**Thorndike, A.** Surgical problems in the Buna campaign. Ibid., 1944, No. 79, 77–81. —— Surgical experiences with the wounded of the Buna campaign. N. England J. M., 1944, **231**: 649–51.

—— Burma Campaign (1942–1945)

See also subheadings (Assam; China-Burma-India Theater; India; New Georgia; Salween Campaign)

Seagrave, G. S. Adventures in Burma; told in pictures; Dr Gordon S. Seagrave builds a hospital. 64p. 18cm. Phila., 1944.

—— Burma surgeon returns. 268p. 23cm. N. Y., 1946.

—— Burma Road. p.77–147. 22½cm. N. Y., 1943.

In his Burma Surgeon, N. Y., 1943.

Ackroyd, S. E. Treating brain wounds in Burma jungle. S. Afr. M. J., 1945, **19**: 273.—**Air** evacuation aids wounded in Burma. J. Am. M. Ass., 1944, **125**: 916.—**Becker, E. R.** A survey of intestinal parasites in a unit of U. S. troops in Burma, with comments on methods for detecting the presence of Endamoeba histolytica in stools. Proc. Iowa Acad. Sc., 1946, **53**: 299–303.—**Buker, R. S.** Medicine below the Burma Road. Harvard M. Alumni Bull., 1941–42, **16**: 5–9.—**Bullock, W.** Field surgery in the jungle (Kaladan River, Arakan, Burma, 1944) J. R. Army M. Corps, 1945, **85**: 81–6.—**Craddock, A. L.** Burmese diary, 1942. London Hosp. Gaz., 1942–43, **46**: 7–10.—**Crosby, G. J. V.** Training notes from Burma. J. R. Army M. Corps, 1946, **86**: 29–31.—**Davis, P. J. R.** Psychiatry in a division on the Burma Front. Ibid., 1945, **84**: 66. —— **Miller, J. W.** [et al.] Psychiatry in Burma [Conference on Psychiatry in Forward Areas, Calcutta] Ibid., 66–9.—**Disease** in the Burma campaign. Lancet, Lond., 1944, **2**: 484.—**Evacuation** of casualties in Burma. Milit. Rep., Wash., 1944, No. 19, 32–42.—**Experiences** of a glider party in the airborne invasion of Burma. Ibid., 51–64.—**Flickinger, D.** Evacuation of wounded in Burma. Bull. U. S. Army M. Dep., 1944, No. 80, 25.—**Flight** surgeons in Burma. J. Am. M. Ass., 1944, **125**: 853.—**Food** in the Burma jungles. Bull. U. S. Army M. Dep., 1944, No. 81, 40.—**Girdwood, R. H.** The Burma Campaigns, 1942–45; clinical aspects. J. R. Army M. Corps, 1950, **94**: 1–20.—**Greenwalt, T. J.** Intestinal coccidiosis. Field M. Bull. (Burma) 1945, **4**: 282–5.—**Health** conditions in Burma. Health (U. S. War Dep. Surg. Gen. Off.) 1945, May, 28.—**Hsueli, Y. K.** Portable surgical hospital in Northern Burma. Chin. M. J., Chengtu Ed., 1944–45, **63A**: 201–4.—**Johnson, R. T.** Missile wounds of the head in the Burma Campaign with special reference to meningitis and ventriculitis due to virulent strains of Escherichia coli. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 172–7.—**Lloyd-Still, R. M.** Psychiatry in Burma after re-occupation. Ind. M. Gaz., 1946, **81**: 341–3.—**Marden, P. A.** A review of 74 cases of otitis externa hospitalized during the wet season of 1944. Field M. Bull. (Burma) 1945, **4**: 285–7.—**Marriott, H. L.** Medicine in the Burma Campaign. Middlesex Hosp. J., 1945, **45**: 46–8.—**Medical** experiences in the Burma warfare. Brit. M. J., 1944, **2**: 251.—**Medical** service on the Burma Road. J. Am. M. Ass., 1942, **118**: 542.—**Military** medical history made by flight surgeons in Burma. Med. Bull. (Standard Oil Co.) N. Y., 1944–45, **6**: 141–4.—**Nair, K. P.** The use of naval and I. W. T. craft for transshipping animals in the Arakan operations, 1944–45. J. R. Army Vet. Corps, 1947–48, **19**: 1–9.—**Neild, F. G.** Column into the Naga Hills. J. R. Army M. Corps, 1948, **90**: 117–30.—**O'Heeron, M. K.** The management of trauma of the genito-urinary tract in battle casualties at an evacuation hospital during the Northern and Central Burma campaigns, 1944 and 1945. J. Urol., Balt., 1947, **57**: 1184–93.—**Seagrave, G. S.** Hospitals under fire. In his Burma Surgeon, N. Y., 1943, 187–99. —— Medical officer on the Burma Road. Ibid., 134–47, pl.—**Somerset, E. J., & Sen, K.** Intra-ocular foreign bodies; an account of military cases from the Burma-Assam front. Brit. J. Ophth., 1948, **32**: 13–23.—**Southall, J.** The veterinary service of Burma. J. R. Army Vet. Corps, 1939–40, **11**: 6–8.—**Stewart, C. M.** The muting of animals for General Wingate's force operating behind the Japanese lines in Burma. Ibid., 1945–46, **17**: 87–92.—**Stone, J. H.** Surgeons in battle; the Mobile Surgical Hospital in Burma, 1943 to 1945. Mil. Surgeon, 1949, **105**: 311–20. —— Evacuation of the sick and wounded in the second Burma Campaign, 1943–1945. Mil. Rev., Fort Leavenw., 1949–50, **29**: No. 2, 44–51.—**Stungo, E.** Psychiatric casualties in Burma, 1945. J. Ment. Sc., Lond., 1946, **92**: 585–94.—**Thompson, T. O.** Burma retreat, 1942. J. R. Army M. Corps, 1948, **90**: 23; passim.—**Webster, F. A. M.** Medicine's campaign in Burma. Mil. Surgeon, 1946, **98**: 106–9.—**Wigglesworth, R.** The Burma Campaigns, 1942–45; a history of casualty evacuation. J. R. Army M. Corps, 1948, **91**: 101–24.—**With** General Chennault in Burma and China. J. Am. M. Ass., 1943, **122**: 313.

—— Caen (Battle, 1944)

See also subheading (Normandy Beach)

Guisan. Un hôpital chirurgical improvisé pendant la bataille de Caen. Veska Zschr., Luzern, 1948, **12**: 173.—**Morice, A.** Le Service de santé pendant la bataille de Caen. Mém. Acad. chir., Par., 1945, **71**: 14–9.

—— Calcutta.

See also subheading (India; India-Burma Theater)

Van Auken, H. A. Calcutta's markets. In: Prev. Med. in World War II, Wash., 1948, **4**: Suppl., 6. —— Calcutta's restaurants. Ibid., 7.

—— Canada.

See also subheading (Newfoundland; Whitehorse sector)

Baillie, W. A summary of 200 neurological and psychiatric admissions from the Canadian Army Service Forces. Am. J. Psychiat., 1940–41, **97**: 753–79.—**Cleghorn, I. M.** The liaison between the R. C. A. F. medical branch and Provincial health departments in the war effort. Proc. Conf. Health Author. N. America, 1942, 57. meet., 173–81.—**Doyle, A. M.** Psychiatry with the Canadian Army in action in the C. M. F. J. Canad. M. Serv., 1945–46, **3**: 93–106.—**Elliott, H.** Head wounds, Canadian Army, World War II. Treatm. Serv. Bull., Ottawa, 1949, **4**: No. 7, 10–22.—**Gordon, J. K.** Experiences with the Canadian Army in England. Tr. Ass. Life Insur. M. Dir. America (1942) 1943, **29**: 280–94.—**Gorssline, R. M.** The progress of the medical service since the advent of war. Canad. M. Ass. J., 1941, **45**: 201–4. —— The Medical Services and the war. Ibid., 1942, **47**: 116–9.—**Gosselin, G.** L'alimentation en temps de guerre. Union méd. Canada, 1942, **71**: 1034–45.—**Griffin, D. M., McKerracher, D. G., & Lawson, F. S.** Psychiatry in the Canadian Army. Am. J. Psychiat., 1943–44, **100**: 137–41.—**Hawke, W. A.** Common problems in Canadian Army psychiatry; a survey of 250 consultations at an advanced training centre. J. Canad. M. Serv., 1944–45, **2**: 188–93.—**Hyland, H. H., & Richardson, J. C.** Psychoneurosis in the Canadian Army overseas. Canad. M. Ass. J., 1942, **47**: 432–43.—**Johnston, G. C.** Comments on abdominal wounds treated in a Canadian field surgical unit. Ibid., 1945, **53**: 242–5.—**MacDonald, D. G. H., & Wellwood, I. L.** Survey of non-effective medical reboards, Canadian Army overseas, July to December, 1944. Ibid., 478–82.—**Pozner, H.** Medical history of an action. J. Canad. M. Serv., 1944–45, **2**: 621–7.—**Richardson, J. C.** Clinical experiences with a R. C. A. M. C. Neuropsychiatric Division in England 1940 to 1944. Proc. R. Soc. M., Lond., 1943–44, **37**: 373–6.—**Riches, D. M.** D-day and some casualties. Canad. Nurse, 1944, **40**: 566–8.—**Robb, J. P.** As I saw it. J. Canad. M. Serv., 1943–44, **1**: 205–11.

—— Canada—Naval force.

McCallum, A. The medical branch of the Navy in the 4th year of war. Canad. M. Ass. J., 1943, **49**: 311–3.—**MacKenzie, W. C.** Surgical problems in the Royal Canadian Navy. Ibid., 1942, **47**: 443–7.—**Mighton, A. K.** An interesting trip. J. Canad. M. Serv., 1944–45, **2**: 411–4.

—— Caribbean defense.

See also subheadings (Atlantic area; West Indies)

United States. Army. Caribbean Defense Command. History of Medical Department activities in the Caribbean Defense Command in World War II. MS. 3v. 687p. n. p., before May 1946.

MS. in Histor. Div. SGO U. S. Army.

Danglade, J. H., & Fitzgerald, P. J. Asymptomatic microfilariemia in the Caribbean area. U. S. Nav. M. Bull., 1946, **46**: 193–201.—**Reynolds, F. W.** The Navy and venereal disease control in the Caribbean. J. Social Hyg., 1944, **30**: 180–2.

—— Caroline Islands.

See also subheadings (Palau; Ulithi; Western Pacific)

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 50: Medical and sanitary data on the Caroline Islands. 19p. 26cm. Wash., 1944.

Caroline (The) battle afloat. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 9, 23–6.—**Carolines** (The). Ibid., 1–30.—**McNair, P. K., Garison, R. R.** [et al.] Report of a medical survey of the Yap District of the Western Caroline Islands of the Trust Territory of the Pacific Islands. Hosp. Corps Q., 1949, **22**: No. 4, 5–19, illust.

—— Casualty statistics.

See also **Casualty; Injury**; also all other terms of the Military Section related to the sick and wounded.

Battle casualties and sickness in Allied Armies. Brit. M. J., 1944, **2**: 484.—**British** Empire casualties in 5 years of war. J. Am. M. Ass., 1944, **126**: 448.—**Casualties** of the British Empire in the first 2 years of the war. Ibid., 1942, **119**: 1036.—**Casualties** of the war (review of a survey which appeared in the New York Times July 8, 1940) Army Navy J., 1940, Sept. 7.—**Empire** casualties [military] Lancet, Lond., 1945, **1**: 127.—**Estimate** of men killed in the present war. J. Am. M. Ass., 1942, **118**: 542.—**Hellenthal, E.** Las heridas de bala en la guerra europea. Rev. san. mil., B. Air., 1943, **42**: 371–82.—**Monteiro, A.** Traumatismos cranio-encefálicos na guerra atual. Rev. méd. brasil., 1944, **16**: 301–22.—**Rubakin, A. N.** Sanitarnye posledstvija vtoroj mirovoj vojny v zarubeźnykh stranakh; poteri armij. Vest. Akad. med. nauk SSSR, 1946, No. 2, 5–8. ——— Demograficeskie pokazateli. Ibid., 17–26.—**Total** casualties on both sides. California West. M., 1944, **60**: 107.—**War** casualties for the first 3 years [British Empire] J. Am. M. Ass., 1943, **122**: 1026.

—— Central Pacific.

See also other subheading (Hawaii)

BOHART, R. M., & INGRAM, R. L. Mosquitoes of Okinawa and islands in the Central Pacific. 110p. 22½cm. Wash., 1946.

Forms NAVMED 1055, U. S. Navy Bur. M. & S.

CHESNIK, C. M. History of the Army Nurse Corps in Central Pacific Base Command. MS. 24p. n. p., before 1946.

MS. in Histor. Div. SGO U. S. Army.

McLAUGHLIN, W. B. Orthopedic history, Central Pacific Base Command. MS. 27p. n. p., before Feb. 1946.

MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY CENTRAL PACIFIC BASE COMMAND. History of internal medicine in the Central Pacific in World War II. MS. 287p. n. p., before Dec. 1945.

MS. in Histor. Div. SGO U. S. Army.

—— China.

See also other subheadings (Burma Campaign; India) also **Wars and campaigns, 1937–1945**: Sino-Japanese War.

POWELL, L. S. A surgeon in wartime China. 233p. 22cm. Lawrence, 1946.

SMITH, R. G. History of the attempt of the United States Army Medical Department to improve the efficiency of the Chinese Army Medical Service, 1941–1945. MS. 2v. 309p. n. p., after 1945.

MS. in Histor. Div. SGO U. S. Army.

Adolph, P. E. Experiences in war surgery in China. Ann. Surg., 1944, **119**: 134–43.—**Difficulties** of a Chinese Army surgeon. Chin. M. J., 1943, **61**: 182–5.—**Elia, J. C.** Flight surgeon in China. Air Surgeon Bull., 1944, **1**: No. 9, 8.—**Furste, W. L.** Recent front line experiences in China. Ohio M. J., 1945, **41**: 336–9.—**Hammond, J. H.** Air evacuation on very heavy bombardment fields in China. Air Surgeon Bull., 1945, **2**: 332.—**Hampshire, J. K.** A year of Army medicine in China. J. R. Army M. Corps, 1945, **84**: 223–6.—**Laycock, H. T.** Experiences in a military hospital in Free China. Brit. M. J., 1943, **1**: 262.—**Liu, J. H.** Difficulties of a Chinese army surgeon. J. Internat. Coll. Surgeons, 1944, **7**: 72–4.—**Notes** on the Chinese Army in India. Milit. Rep., Wash., 1944, No. 16. 39–42.—**Pettus, W. W.** Dental surgeon on the China front. Oral Hyg., Pittsb., 1944, **34**: 28–33.—**Sayers, M. G.** The saga of China's fighting men in blue. Interne, N. Y., 1943, **9**: 132; passim.—**Sporer, A.** A fighting doctor in China. Ibid., 31.—**With** the F. A. U. in China (Friend's Ambulance Unit) Brit. M. J., 1945, **1**: 305.—**Yellow** peril, by author of Burmese Diary. London Hosp. Gaz., 1943–44, **47**: 210; 255.

—— China-Burma-India Theater.

See also subheadings (Burma Campaign; India; India-Burma Theater; Iran; Salween Campaign)

STONE, J. H. Organization and administration of the Medical Department in the China-Burma-India and India-Burma Theaters. MS. 228p. n. p., before May 1946.

MS. in Histor. Div. SGO U. S. Army.

—— The hospitalization and evacuation of sick and wounded in the Communications Zone, China-Burma-India and India-Burma Theaters, 1942–46. MS. 246p. n. p., 1946. The same MS. 260p. 1946.

MS. in Histor. Div. SGO U. S. Army.

SWEENEY, H. M. Report of overseas temporary duty in C. B. I. Theater. 21 l. 28½cm. Dayton, 1945.

Forms No. TSEAL–3–695–29H, Memo. Rep. Aero M. Laborat. U. S. Air Force.

UNITED STATES. ARMY FORCES IN CHINA, BURMA & INDIA. History of the Medical Department Services of Supply, CBI Theater 1942. MS. 55p. n. p., before June 1945.

MS. in Histor. Div. SGO U. S. Army.

Beck, I. A. Background and highlights of the Rhode Island Hospital unit in the CBI Theatre of War. Rhode Island M. J., 1946, **29**: 739.—**Budge, C. T.** Experience as dental surgeon of the CBITO. Mil. Surgeon, 1945, **96**: 403–6.—**Cohen, M. H.** Suggestions for treatment of common skin diseases seen in the CBI Theater. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 64–70.—**Loder, G. D.** Army food inspection in the CBI Theater. Vet. Med., Chic., 1946, **41**: 349–54.—**Peele, J. C.** Otolaryngology clinic in CBI Theater. Bull. U. S. Army M. Dep., 1946, **5**: 455–8.—**Running** (A) commentary by peripatetic correspondents. Lancet, Lond., 1942, **2**: 467; passim.

—— Cirenaica.

See under subheading (Libia)

—— Congo.

See also subheading (Africa)

Dunham, C. D., & Gillespie, W. H. Diarrheal disease in U. S. troops in Belgian Congo. Bull. U. S. Army M. Dep., 1944, No. 78, 76–80.

—— Corregidor (Apr.–May 1942)

See also subheadings (Bataan; Philippine Islands)

Sitter, S. C. Psychiatric reactions observed on Corregidor and Bataan and in Japanese captivity. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 5–9.

—— Coventry (1940)

See also subheading (Great Britain)

Cremin, J. J. Mobile unit at Coventry. Brit. M. J., 1940, 2: 847.

—— Crete (1941)

Kittel, W. Der Sanitätsdienst beim Kampf um Kreta. Vjschr. schweiz. Sanitätsoff., 1949, **26**: 109–19.—**McRitchie.** Crete '41. J. Canad. M. Serv., 1943–44, 1: 125–8. ——— The evacuation of Crete, 1941. Canad. M. Ass. J., 1943, **49**: 481–3.

—— Czechoslovakia (1939–1945)

See also **Occupied area**—by regions: Czechoslovakia.

Berglez, V. Ze zápisků partyzánského chirurga. Rozhl. chir., Praha, 1947, **26**: 221–5.—**Charvát, J.** The influence of war on health conditions in Czechoslovakia. In: Med. Sc. Abused, Praha, 1946, 5–13.—**Henner, K.** Uvodní slovo při zahájení přednášek 11. června 1945. Cas. lék. česk., 1945, **84**: 968–70.—**Janota, O.** Conséquences de la deuxième guerre mondiale en Tchécoslovaquie au point de vue psychiatrique. Presse méd., 1946, **54**: 667.—**Kleinzeller, A.** The health situation in Czechoslovakia during the War. Notes Czech. M. Ass. Gr. Britain, 1944, 22–8.

—— **Dakar** (1940–)

Lewis, P. M., Buehler, M. H., & Young, T. R., jr. Plague in Dakar; abstract of a report. Bull. U. S. Army M. Dep., 1945, No. 87, 13–6.

—— **Danzig** (1939–1945)

See also subheading (Polish-German Campaign)

Karpov, M. K. Organizacija protivoepidemićeskoj zaśćity vojsk pri osade Danciga. Voen. med. J., Moskva, 1946, No. 9, 24–32.

—— **Delhi.**

See also subheadings (India; India-Burma Theater)

UNITED STATES. ARMY. DELHI MILITARY COMMAND. History of the U. S. Army Medical Department in Delhi, India. MS. 92p. n. p., before Jan. 1946.

MS. in Histor. Div. SGO U. S. Army.

—— **Denmark** (1940–1945)

Ramlau-Hansen, O., & Fjeldborg. Khirurgiske oplevelser i Frederikshavn i foraaret 1940. Nord. med., 1943, **18:** 774.—**Ravn, J.** Admissions to the mental hospital at Nyköbing Själland caused by the events in Denmark in connection with the surrender of the German occupation forces. Acta psychiat. neur., Kbh., 1946, **21:** 671–85.

—— **Dieppe** (1940–1944)

See also subheading (France)

Commando casualties; medical aspects of the Dieppe raid. What's New, North Chic., 1943, No. 73, 10.—**Fenwick, C. P., & Hayter, F. W.** The Dieppe raid. In: Interallied Conf. War Med. (1942–45) 1947, 306–11.—**Leech, B. C.** R. C. A. M. C., anaesthetic experiences; Dieppe raid casualties, August 19–20, 1942. Proc. R. Soc. M., Lond., 1942–43, **36:** 207–10.—**MacFarlane, J. A.** Dieppe in retrospect. Lancet, Lond., 1943, **1:** 498–500.—**Use** (The) of smoke at Dieppe. Milit. Rep., Wash., 1943, No. 4, 29.

—— **Diseases.**

See also **Disease; Epidemic; Morbidity;** also all names of diseases in the Military Section.

HILLEBRAND, H. W. *Meine Erfahrungen mit Kriegsseuchen im Osten, unter besonderer Berücksichtigung epidemiologischer Gesichtspunkte. 39 l. 29½cm. München, 1949.

Typewritten.

Diseases encountered during the war. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6t, 1.—**Gordon, J. E.** The strategic and tactical influence of disease in World War II. Am. J. M. Sc., 1948, **215:** 311–26. Also Mil. Rev., Fort Leavenw., 1948–49, **28:** No. 12, 27; passim.—**Insect-borne** diseases during World War II. Bull. U. S. Army M. Dep., 1946, **5:** 613.—**Military** importance of disease and injury. In: Prev. Med. in World War II, Wash., 1948, **3:** 5–7.—**Rubakin, A. N.** Sanitarnye posledstvija Vtoroj mirovoj vojny v zarubeźnykh stranakh; detskaja smertnost i fizićeskoe sostojanie detej. Vest. Akad. med. nauk SSSR, 1946, No. 2, 26–30. ——— Infekcionnye bolezni za vremja vojny. Ibid., 30–5. ——— Tuberkulez za vremja vtoroj mirovoj vojny. Ibid., 35–9. ——— Venerićeskie zabolevanija za vremja vtoroj mirovoj vojny. Ibid., 39–42.—**Trist, J. R. R.** The problem of sick wastage in war. J. R. Army M. Corps, 1940, **74:** 80–5.

—— **Dordogne.**

See also subheading (France)

Gaussen. La chirurgie de guerre dans le maquis de Dordogne-Centre. Bordeaux chir., 1945, 153.

—— **Dover** (1940–1944)

See also subheading (Great Britain)

Atkins, H. J. B. Lessons from Dover. Guy's Hosp. Gaz., Lond., 1940, **54:** 192–5.—**Gordon-Taylor, G.** The last hate; an account of the abdominal injuries of the V–1 and V–2 phases of the war on Britain and of the shelling of Dover. Brit. J. Surg., 1945–46, **33:** 230–5.—**Toland, G. M. B.** War surgery at Dover, England. Med. Woman J., 1944, **51:** No. 3, 25–7.

—— **Dunkirk** (May 29–June 2, 1940)

See also subheadings (Flanders; France; Great Britain)

Evacuation (The) of Dunkirk. J. Am. M. Ass., 1940, **115:** 471.—**Red** Triangle (The) at Dunkirk. Lancet, Lond., 1940, **2:** 121.—**Saucier, J.** Les accidents neuro-psychiatriques de la guerre. Union méd. Canada, 1941, **70:** 1325–8.—**Scott, H. A.** A chemist goes to sea. Pharm. J., Lond., 1940, **90:** 350.—**Work** of emergency hospitals; casualties from Dunkirk. Brit. M. J., 1940, **2:** 95.

—— **Dutch Guiana.**

See subheading (Surinam)

—— **East.**

See also other subheadings (Far East; Middle East)

Johnson, R. T., & Dick, R. C. S. Neurosurgery in the Eastern theatre of war. Lancet, Lond., 1945, **2:** 193–7.—**Keeping** well in the Near East. J. Am. Vet. M. Ass., 1943, **102:** 479.—**Taylor, G. F.** Some medical problems of the Eastern Army. Proc. Conf. Med. Specialists East. Army, Calc., 1943, 7–11.—**Twhigg, J. M.** Malaria in the eastern theatres of the war. In: Interallied Conf. War Med. (1942–45) 1947, 97–100.

—— **East Africa.**

See also other subheadings (Abyssinian Campaign; Eritrea)

Charters, A. D. Epidemic of beriberi amongst Somali troops in East Africa Command. Tr. R. Soc. Trop. M. Hyg., Lond., 1943–44, **37:** 55–62.—**Erasmus, J. F. P.** Tropical surgery in the East African Campaign. S. Afr. M. J., 1942, **16:** 379–82.—**Hauer, A.** Praktische Erfahrungen aus dem Gesundheitsdienst während des Lettow-Vorbeck-Feldzuges in Afrika. Deut. tropenmed. Zschr., 1941, **45:** 43–52.—**Le Blhan, A., & Peyrusse, P.** Le béribéri dans le corps d'occupation de la côte française des Somalis en 1940–41. Méd. trop., Marseille, 1941, **1:** 470–87.—**Wylie, J.** Notes on Kilindini. J. R. Nav. M. Serv., 1946, **32:** 41–4.—**Young, H. B.** The acute abdomen in the East African Askari. J. R. Army M. Corps, 1949, **92:** 97–100.

—— **Eastern Defense Command.**

UNITED STATES. ARMY. EASTERN DEFENSE COMMAND. OFFICE OF THE SURGEON. A history of preventive medicine in the World War II; Eastern Defense Command Bases. 139p. 27½cm. Wash., 1948.

Forms v.6, Prev. Med. in World War II, Wash.

—— **Eastern Europe.**

See other subheadings (Europe; Poland; Russo-German War)

—— **Eastern Front.**

See under subheading (Russo-German War—Transactions of German forces)

—— **East Prussian offensive** (1944–1945)

See also subheading (Russo-German War)

Dobychin, B. D. Khirurgićeskaja pomość v vojskovom rajone v Vostochno-Prusskuju nastupatelnuju operaciju. Voen. med. J., Moskva, 1946, No. 11, 8–13.

—— **Efate.**

See with subheading (New Hebrides)

—— **Egypt** (1939–1945)

See also subheadings (Alamein; East; Middle East)

Ascroft, P. B. Neurosurgical experience in Egypt and Libya. Arch. Neur. Psychiat., Chic., 1944, **51:** 295. Also J. Nerv. Ment. Dis., 1944, **99:** 74–7.—**Coverdale, H.** Ophthalmic experiences at Helwan, Egypt. N. Zealand M. J., 1944, **43:** 53–7.—**McMillan, A.** Surgical experiences at a base hospital in Egypt. J. R. Army M. Corps, 1943, **80:** 300–6.

—— **Eniwetok** (1944)

See also subheading (Marshall Islands; Western Pacific)

Eniwetok. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 7, 20–8.

—— **Eritrea** (1941–)

See also subheading (East Africa)

McGhee, J. H. With pack transport in Eritrea. J. R. Army Vet. Corps, 1941–42, **13:** 41–5.—**Veterinary** service of a pack train in Eritrea. Vet. Med., Chic., 1942, **37:** 421–3.

—— Espíritu Santo.

See with subheading (New Hebrides)

—— Ethiopia.

See subheading (Abyssinian Campaign)

—— Europe.

See also other subheadings (Eastern Europe; European Theater of Operations; France; Great Britain; Normandy Beach; Sicily; Western Front)

Red Cross. International Committee. Medical Division. Etat sanitaire des populations civiles dans les pays européens les plus éprouvés par la guerre. No. 1–2. 2v. 29cm. Genève, 1946.

Danger of famine and pestilence. J. Am. M. Ass., 1942, **119**: 511.—**Digmann, P. M.** [Land war, 1939] Militaerlaegen, 1940, **46**: 23–33.—**Duties** of Staff Medical Officer, Commander Landing Craft and Bases, Europe. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 8.—**Famine** in Europe. J. Am. M. Ass., 1942, **120**: 548.—**Feldman,** Relato general del criterio del tratamiento de las heridas en el frente europeo. Sem. méd., B. Air., 1946, **53**: 390–3.—**Food** distribution in Germany, Italy, and occupied Europe. J. Am. Diet. Ass., 1942, **18**: 657–62.—**Goodman, N. M.** The health of Europe. Nurs. Times, Lond., 1943, **39**: 879. —— Problems of health in Europe. Lancet, Lond., 1944, **1**: 576.—**Health** conditions in Europe. Statist. Bull. Metrop. Life Insur., 1944, **25**: No. 2, 1–4.—**Health** conditions on the European Continent in 1944. Ibid., 1945, **26**: No. 3, 3–5.—**Health** conditions in occupied Europe. Med. Off., Lond., 1942, **67**: 74.—**Health** in occupied Europe. Lancet, Lond., 1942, **2**: 136.—**Horizon** (The) S. Barth. Hosp. J. War Ed., Lond., 1941–42, **3**: 189–94.—**Kintz, F. P., & Edgar, J.** Medical groups (T/O 8–22) of First U. S. Army in European Campaign; Siegfried Line, Ardennes, Rhine River, and German collapse. Mil. Surgeon, 1950, **106**: 139–47.—**Northern** Africa, Sicily and Southern France, medical installations. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 7–37.—**O'Neil, J.** Symptômes mentaux observés durant la campagne d'Europe. Union méd. Canada, 1947, **76**: 279–82.—**State** (The of health in Europe. Nature, Lond., 1943, **151**: 117.

—— European Theater of Operations [ETO]

See also subheading (Mediterranean Theater of Operations; Northern Europe; Northwest Europe; Western Europe; Western Front)

Campbell, P. A. Report of trip to European Theater of Operations. 52p. 27cm. Randolph Field, 1945.

Forms Rep. No. 1, Proj. No. 873, U. S. Air Force School Aviat. M.

Bolton, F. P. Home from ETOUSA. Am. J. Nurs., 1945, **45**: 5–9.—**Cutler, E. C.** Experiences of an Army doctor in the European Theater of war. Am. J. Surg., 1947, **73**: 637–50.—**Hawley, P. R.** Advances in war medicine and surgery as demonstrated in the ETO. Med. Ann. District of Columbia, 1946, **15**: 99–109.

—— European Theater of Operations—Casualties and diseases.

Robinson, J. N. [et al.] History of urology, ETO in World War II; a study of war wounds of the genito-urinary tract [Also Genito-urinary diseases] MS. 20p. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

United States. Army. European Theater of Operations. Report of a ground force battle casualty survey initiated two days prior to V–E Day. MS. [50] p. n. p. 1945.

MS. in Histor. Div. SGO U. S. Army.

Beckman, W. G. A preliminary report on the occurrence of muscular cramps in flyers in the ETO. J. Aviat. M., 1944, **15**: 138–40.—**Cannon, N. L.** Urologic observations in the ETO. Delaware M. J., 1946, **18**: 179–83.—**Condition** of battle casualties returned from ETO. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 29, 8–11.—**Cree, E. M.** Health of the Army Nurse Corps in the ETO. Am. J. Nurs., 1945, **45**: 915.—**Culp, O. S.** War wounds of the genito-urinary tract; early results observed in 160 patients treated in ETO. J. Urol., Balt., 1947, **57**: 1117–28.—**Davis, L.** Treatment of neurosurgical injuries. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 12, 9–14.—**Disposition** of patients with pulmonary and other forms of tuberculosis, from U. S. hospitals in the ETO. Ibid., 1944, No. 18, 2–7.—**Drenick, E. J.** Diphtheria in the ET. Ibid., 1946, **1**: No. 1, 17–9.—**Epidemiology** of diphtheria in the ETO. Ibid., No. 2, 1–7.—**Feaster, J. H., jr.** Serological survey. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 3, 1–6.—**Gettman, R. L.** Venereal diseases in a theater of operations. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 32, 38–45.—**Gordon, J. E.** Incidence of diphtheria in the ET. In: Prev. Med. in World War II, Wash., 1948, **1**: pt 3, Sect. 4, 5. —— The common diarrheas in ETO. Ibid., Sect. 2, No. 1, 20–2. —— Typhoid fever among prisoners of war, ETO. Ibid., No. 3, 5–8.—**Hanes, W. J.** Experiences in non-specific diarrheal conditions in the ETO. Am. J. Digest. Dis., 1946, **13**: 199–210.—**Leigh, O. C.** A report on trench foot and cold injuries in the ETO, 1944–45. Ann. Surg., 1946, **124**: 301–13.—**Middleton, W. S.** Dysentery in the ETO. In: Interallied Conf. War Med. (1942–45) 1947, 78–82. —— Some clinical experiences in the ETO. J. Missouri M. Ass., 1947, **44**: 735–8.—**Pillsbury, D. M.** Disposition of syphilis registers. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 13, 18–20.—**Rafferty, J. A.** Casualties of the U. S. 8th Air Force (ETO) in War II. Mil. Surgeon, 1949, **105**: 225–7.—**Robinson, J. N., Culp, O. S.** [et al.] Injuries to the genito-urinary tract in the ETO. J. Urol., Balt., 1946, **56**: 498–507.—**Schulze, H. A.** Diphtheria in the U. S. Army in Europe. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 2: No. 6, 2–26. —— Tuberculosis in the U. S. Army during World War II with special reference to the European Command. Ibid., **3**: 15–25.—**Spurling, R. G.** Peripheral nerve injuries in ETO. J. Am. M. Ass., 1945, **129**: 1011–4.—**Steck, I. E.** Epidemic hepatitis. Med. Bull. U. S. Chief Surg. Europ. Theater, 1944, No. 19, 7–15.—**Treatment** of active tuberculosis and its evacuation from the ETO. Ibid., No. 23, 12–4.—**Trench** foot and frost bite in the European Theater. Health (U. S. War Dep. Surg. Gen. Off.) 1945, Mar., 2–6.—**Walsh, M. N.** Psychiatric notes from the European Theater. Bull. U. S. Army M. Dep., 1949, **9**: 411–9.

—— European Theater of Operations—Medical organization and service.

Gordon, J. E. A history of preventive medicine in the ETO, U. S. Army, 1941–45. 12pts in 2v. 27½cm. Wash., 1948.

Forms v.**1** & **2**, Prev. Med. in World War II, Wash.

Hodges, W. E., & Coleman, H. A. Medical support of the United States Army Air Forces in the ETO. MS. 465p. n. p., before March 1948.

MS. in Histor. Div. SGO U. S. Army.

Jeffcott, G. F. The dental service in the ETO, World War II. MS. 79p. illust. n. p., after 1945.

MS. in Histor. Div. SGO U. S. Army.

Larkey, S. V. Administrative and logistical history of the Medical Service, Communications Zone, ETO. MS. 14v. n. p., after 1945.

MS. in Histor. Div. SGO U. S. Army.

Lovelace, W. R., II. Aviation medical problems in the European and Mediterranean theatres of operation. 117p. 26½cm. Dayton, 1944.

Forms No. TSELA–5B–697–8, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Peto, M. Women were not expected; an informal story of the nurses of 2nd General Hospital in the ETO. 161p. 23½cm. West Englewood, 1947.

Rathauser, F. Rehabilitation and reconditioning in the ETO during World War II. MS. 300p. n. p., before 1947.

MS. in Histor. Div. SGO U. S. Army.

Salatich, B. P. Convalescent training, Army Air Force personnel, ETO. MS. 22p. n. p., before March 1945.

MS. in Histor. Div. SGO U. S. Army.

Spurling, R. G. History of neurological surgery in the ETO, September 6, 1942 to July 11, 1945. MS. 136p. n. d., ca 1945.

MS. in Histor. Div. SGO U. S. Army.

Thompson, L. J. History of the neuropsychiatric services in the ETO. MS. 14 Chapt. n. p., before 1947.

MS. in Histor. Div. SGO U. S. Army.

Todd, F. A., & Carter, P. R. History of the United States Army Veterinary Service in Civil Affairs/Military Government in the European

Theater. Pt 1. MS. 60p. n. p., before July 1947.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY. EUROPEAN THEATER OF OPERATIONS. Administrative and logistical history of the Medical Service, Communications Zone–ETO. v.5, chapt. 7. MS. 31p. n. p., before Dec. 1945.
MS. in Histor. Div. SGO U. S. Army.

—— The administration and logistical history of the ETO. Part I: The predecessor commands: SPOBS and USAFBI. MS. 348p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

Casey, J. F. History of the development of neuropsychiatry in the ETO. Am. J. Psychiat., 1945–46, **102**: 721–7.—**Cleveland, M.** Orthopedic surgery in the ETO. Ann. Surg., 1946, **124**: 188–200.—**Cutler, E. C.** Military surgery, United States Army, ETO, 1944–45. Surg. Gyn. Obst., 1946, 82: 261–74.—**Darnall, J. R.** Hospitalization in ETO, U. S. Army, World War II. Mil. Surgeon, 1948, **103**: 426–39. —— The establishment of hospitals in the ETO. Centaur, Menasha, 1948–49, **54**: 335. —— Establishment of fixed hospitals in the ETO. Bull. U. S. Army M. Dep., 1949, **9**: 760–5. —— Sidelights on the hospital program, ETO. Mil. Surgeon, 1949, **104**: 21–9.—**Genetti, E. J.** Medical service in the Constabulary. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1946, **1**: No. 3, 53–5.—**Hawley, P. R.** How medicine in the ETO prepared for D-day. In: Doctors at War (Fishbein, M.) N. Y., 1945, 195–217, 7 pl.—**Kimbrough, J. C.** Urology in the ETO. J. Urol., Balt., 1947, **57**: 1105–16.—**Laird, A.** Medical service in reinforcement installations in the ETO. Mil. Surgeon, 1948, **102**: 29–33.—**Marshall, D.** Military ophthalmology in the ETO. Am. J. Ophth., 1948, **31**: 545–61.—**Medical** officer and venereal disease control. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 23, 6–11.—**Middleton, W. S.** Medicine in the ETO. Ann. Int. M., 1947, **26**: 191–200.—**Pace, J. W.** Air evacuation in the ETO. Air Surgeon Bull., 1945, **2**: 323–7.—**Padget, P.** U. S. Army experiences in venereal disease control in the ETO. Am. J. Syph., 1945, **29**: 352–60. Also J. Social Hyg., 1945, **31**: No. 1, Suppl., 14–6.—**Rehabilitation** in ETO. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 22, 12–7.—**Thompson, L. J.** Neuropsychiatry in the ETO. N. England J. M., 1946, **235**: 7–11.

—— European Theater of Operations—Sanitation.

Civilian health problems in the ET. Bull. U. S. Army M. Dep., 1945, **4**: 113–5. Also Health (U. S. War Dep. Surg. Gen. Off.) 1945, Apr. 42.—**Clark, H. E., & Whitney, R. S.** Sanitary surveys on the continent. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 28, 31–4.—**Cleland, R. S.** Field sanitation. Ibid., 1943, No. 12, 15. —— Sanitary engineering in the ETO. Mil. Surgeon, 1947, **101**: 36–40.—**Draper, W. F.** Public health experiences in the ETO. Proc. Am. Philos. Soc., 1946, **90**: 289–94.—**Griffith, W. H.** The nutrition of the United States Army in ETO. In: Prev. Med. in World War II, Wash., 1948, 2: pt 4, 7–40.—**Health** supervision for G. I. Joe and Red Cross personnel overseas. Am. J. Nurs., 1944, **44**: 832–41.

—— Faeroes.

See also subheading (Denmark; Iceland)

Faroes, 1941–44; R. M. R. s. and R. C. R. s.; British military other ranks [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 96.

—— Far East.

See also other subheadings (Assam; Burma Campaign; China; East; India; Japan; Malaya; Malaysia; Pacific; Philippine Islands, etc.)

Bowers, W. F. Observations of the surgical consultant in the Far East Command. Bull. U. S. Army M. Dep., 1948, **8**: 518–23.—**Bruce, J.** Surgery in Far Eastern theatres of war. J. R. Army M. Corps, 1949, **93**: 57–67.—**Cobey, M. C.** Consultation tour of the Far East Command of the United States Army and naval hospitals. Bull. Georgetown Univ. M. Cent., 1948–49, **2**: 199–205.—**Errores** estratégicos en la guerra del Extremo Oriente; las responsabilidades en la caída de France. Rev. mil. Perú, 1942, **39**: 460–3.—**Marriott, H. L.** Medicine in Far Eastern theatres of war. J. R. Army M. Corps, 1949, **93**: 68–74.—**Seagrave, G. S.** Venereal diseases. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 19.—**Tredgold, R. F.** The mental health of British troops in the Far East. J. Ment. Sc., Lond., 1948, **94**: 351–91.

—— Finland: 1939–1940, Karelian Isthmus.

See also **Ambulance service** subheadings (History; Red Cross)

Brander, T. Kinderpsychiatrische Beobachtungen während des Kriegcs in Finnland 1939–40. Zschr. Kinderpsychiat., Basel, 1940–41, **7**: 177–87. —— Psychiatric observations among Finnish children during the Russo-Finnish war of 1939–40. Nerv. Child, 1942–43, **2**: 313–9.—**Donner, S. E.** Unsere Kinder und der Krieg; Finnlands Kinder im Winterkriege 1939–40; eine psychologisch-psychiatrischc Studie. Acta psychiat. neur., Kbh., 1947, Suppl. 47, 271–85.—**Experienze** dal conflitto russo-finlandese. Minerva med., Tor., 1940, **31**: pt 1, varia, 540–2.—**Nicole, R.** Erlebnisse und Erfahrungcn in Finnland. Med. Klin., Berl., 1940, **36**: 933. Also Münch. med. Wschr., 1940, 87: 983.—**Roeder.** Enseignements de la guerre de Finlande. Praxis, Bern, 1940, **29**: 342.

—— Finland: 1939–1940, Karelian Isthmus—Casualties and diseases.

Acutin, M. N. Surgical experience in three military campaigns. Bull. War M., Lond., 1942–43, **3**: 1 (Abstr.)—**Becker, G.** [Experiences in treatment of internal injuries in field hospitals] Duodecim, Helsin., 1940, **56**: 46–51.—**Brofeldt, S. A.** [Certain surgical experiences from the last Finnish War] Nord. med., 1940, **8**: 2686.—**Chievitz, O.** Kriegschirurgiske erfaringer fra Finland. Ibid., 1941, **9**: 274 (Abstr.)—**Harild, Sv.** [Impressions of war-surgery and experiences in Finland] Militaerlaegen, 1940, **46**: 67–89.—**Heinonen, J.** [Surgical experiences from the Finnish War 1939–40] Nord. med., 1940, **8**: 2687–90. Also Deut. Militärarzt, 1942, 7: 590–3.—**Hellgren, E. G.** [Experiences from the war hospital at Uleåborg] Nord. med., 1940, **8**: 2728–32.—**Iff, W.** Kriegschirurgische Erfahrungen aus Finnland. Praxis, Bern, 1940, **29**: 609–13.—**Järvinen, A. J. K., & Järvinen, J. L.** Einfacher Extensionsverband für Transport der Femurfrakturierten vom Felde; Erfahrungen im Finnischen Heer. Deut. Militärarzt, 1942, 7: 509–11.—**Lundberg, N.** Erfarenheter från finsk-ryska kriget beträffande behandling av kranio-cerebrala skottskador. Nord. med., 1941, **11**: 2484–7 (Abstr.)—**Odelberg, A.** Surgical war experiences, Finland, 1939–40. Brit. M. J., 1940, **2**: 43–6.—**Olow, J.** [Experiences of a civil volunteer surgeon in Finland] Nord. med., 1940, **6**: 833.—**Saarenmaa, E.** On clostridial infections in war wounds on the Carelian Isthmus. Acta chir. scand., 1946, **93**: 363–85, pl.—**Valle, A.** Ueber das Vorkommen von Polyarthritis acuta in der Finnischen Armee. Acta Soc. med. Duodecim, 1939, **27**: Ser. B, No. 6, 1–9.

—— Finland: 1939–1940, Karelian Isthmus—Medical organization and service.

BROFELDT, S. A. [Suomen Punaisen Ristin sotainvaliidihuolto vv. 1940 ja 1941] Berättelse över Finlands Röda Kors' verksamhet för krigsinvaliderna åren 1940 och 1951. 63p. 22½cm. Helsin., 1942.

—— [Suomen Punaisen Ristin sotainvaliidihuolto vv. 1940 ja 1941] Die Verwundeten- und Kriegsbeschädigtenfürsorge des Finnischen Roten Kreuzes. 61p. 22½cm. Helsin., 1943.

Becker, G. [Experiences in internal medicine during the war in Finland] Nord. med., 1940, **7**: 1351–5.—**Colaco Belmonte, A.** [With the Netherlands ambulance in Finland] Ned. tschr. geneesk., 1940, **84**: 2839; 4928.—**Kaijser, R.** [Experiences during service with a Finnish field hospital] Tskr. mil. hälsov., 1940, **65**: 43–8.—**Kivimäki, J.** Om tandläkarverksamheten under finsk-ryska kriget. Nord. med., 1941, **10**: 1352–6.—**Nyström, G.** [The Swedish Red Cross Ambulance No. 1, in the Finnish War] Ibid., 1940, **7**: 1355–62.—**Simon, M.** [Roentgenological war experiences from Finland] Ibid., **8**: 2711.—**Unonius, E., & Schröder, I.** Blood transfusion in the Finnish war. Lancet, Lond., 1941, **2**: 474.

—— Finland: 1939–1940, Karelian Isthmus—Russian reports.

Babchin, I. S. [Blessures par arme à feu du crâne et du cerveau pendant la guerre en Finlande] Khirurgia, Moskva, 1940, No. 9, 73–82.—**Balacenko, D. N.** [Brief review of gunshot wounds of the face during the Russo-Finnish War (1939–40)] Vest. khir., 1941, **62**: 39–45.—**Bondarenko, N. T.** [Sur la question de transfusion de sang dans des conditions du secours médical aux points sanitaires de régiment; tiré de l'expérience faite pendant la guerre en Finlande] Khirurgia, Moskva, 1940, No. 12, 105.—**Bronstein, J. Z.** [Primary treatment of maxillo-facial gunshot wounds during military operations in Mongolia and Finland based on experience of the stomatological unit of the S. M. Kirov Academy of Military Medicine] Stomatologia, Moskva, 1942, No. 2, 3–11.—**Fialkovsky, V. V.** [Provisory and definitive immobilization of maxillary fragments in the army zone based on experience during military operations in Mongolia and Finland] Ibid., 1940, No. 6, 56–9.—**Fidelman, N. I.** [Results of the first-aid service during the Finnish campaign] Nov. khir. arkh., 1940, **47**: 288–93.—**Gerasimenko, T. N.** [War contusions of the eyes; data from the Russo-Finnish war] Vest. oft., 1941, **19**: 123–7.—**Gorinevskaia, V. V.** [Arrangement et traitement de plaies à des étapes d'évacuation sanitaire aux rayons de placement de la division et de l'armée; Karelia] Khirurgia, Moskva, 1940, No. 9, 3–12.—**Granov, L. G., & Levintov, I. M.** [Review of the surgical work of a military hospital at the White-Russian front] Sovet.

med., 1940, No. 8, 25–8.—**Grigorjev, A. N.** Nekotorye voprosy organizacii sanitarnogo obespeśćenija boevykh dejstvij Krasnoj Armii na Karelskom perešejke. Voen. san. delo, 1941, No. 2, 44–52. ——— & **Shoshin, A.** Sovetsko-finljandskaja vojna 1939–40gg. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 188–202.—**Helimsky, M. A.** [Surgical work at the advance evacuation point during the campaign of Finland in 1940] Khirurgia, Moskva, 1941, No. 2, 29–37.—**Ignatiev, E. N.** [Sanitary protection in the offensive through the woody marshland in Karelia] Voen. med. J., Moskva, 1945, June, 43.—**Kuprianov, P. A.** [Surgical aid during military operations in Finland] Vest. khir., 1941, 61: 113–70.—**Levintov, I. M., & Granov, L. G.** [Gun-shot fractures of the extremities during the battles in western White Russia] Nov. khir. arkh., 1940, 46: 308–13.—**Oksman, I. M.** [Results of stomatological work at the Russo-Finnish front] Stomatologia, Moskva, 1941, No. 4, 20–2.—**Reviakin, L. P.** [Technique in airplane transport of wounded with injuries of the central nervous system during the Finnish campaign] Vopr. nevrokhir., 1941, 5: 38–40.—**Semeka, S. A.** [Sanitary service for divisions and battalions under fire during the war in Finland] Voen. san. delo, 1941, No. 8, 65–72. ——— [Organization of work of the medical stations during the war with Finland] Ibid., 73–80. ——— Sovetskaja voennaja medicina vo vremja boevykh stolknovenij v rajone ozera Khasan i na reke Khalkhin-Gol; Sovetsko-finljandskaja vojna 1939–40gg. In: Encikl, slovar voen. med., Moskva, 1946–48, 3: 900–5.—**Serebrennikov, L. V.** [Esquise du travail à l'hôpital de campagne ambulant d'un rayon de placement de la division] Khirurgia, Moskva, 1940, No. 9, 49–55.—**Stovbunenko-Zaichenko, J. V.** [Results of the work of a group of surgeons at the front, during the battles on the Karel isthmus] Ortop. travmat., 1940, 14: No. 5, 90–7.—**Usharenko, I. P.** [Results of the organization of surgical work of the medical battalion during the Soviet-Finnish war] Vest. khir., 1941, 61: 171–7.

—— Finland: 1941–1944, Russo-Finnish War.

SUOMINEN, Y. K. 11. D:n 1942–1943-vuodenvaihteen hygienisistä olosuhteista; etulinja. p.33–147. 21½cm. Helsin., 1949.

In: Sotilaslääk. aikak., 1949, 24: 33–147.

TIITINEN, E. A study of penetrating war wounds of the abdomen in the Finnish Fighting Forces during the War of 1941–1944. 36p. 23½cm. Helsin., 1949.

Forms Suppl. 2, v.38: Ann. chir. gyn. fenn.

Björk, H. Otologiska rön under finsk-ryska kriget. Nord. med., 1941, 11: 2481–4 (Abstr.)—**Brofeldt, S. A.** Om de kirurgiska erfarenheterna under finsk-ryska kriget. Ibid., 9: 551–4.—**Donner, S. E.** Experiences of war psychiatry from Finland's second war 1941–44. Acta psychiat. neur., Kbh., 1947, Suppl. 47, 495–510.—**Garvin, L. D.** The work of our surgical detachment. Surg. Gyn. Obst., 1942, 75: Suppl., 577 (Abstr.)—**Hauser, K.** Fronterfahrungen, Schweizerärzte fahren nach Finnland. In: Sanitätstruppen, Zür., 1942, 57–65, illust.—**Kihlstedt, S.** Erfarenheter från evakueringen vid finska gränsen. Tskr. mil. hälsov., 1945, 70: 102–16.—**Ravn, J.** Nogle militaerpsykiatriske erfaringer fra de to finske kriege 1939–40 og 1941–44. Ugeskr. laeger, 1949, 111: 1335.—**Seedorff, J.** Erfaringer fra min virksomhed som militaerlaege i den Finske haer. Militaerlaegen, 1942, 48: 5–23.—**Teräskeli, H.** Eye injuries causing permanent disability in the Finnish army during the Second World War. Acta ophth., Kbh., 1947, 25: 344. ——— Pysyvän invaliditeetin aiheuttaneet silmävammat Suomen armeijassa viime maailmansodan aikana. [Ocular injuries causing permanent disability in the Finnish Army during the recently ended World War] Duodecim, Helsin., 1947, 63: 288–301.—**Wahlberg, J.** Erfarenheter om den invärtes medicinska sjukvårdstjansten i Finlands armé under det andra världskriget. Tskr. mil. hälsov., 1945, 70: 1–14.

—— Finland: 1941–1944, Russo-Finnish War—Russian reports.

Bondarenko, N. T. Blood transfusions for medical treatment under the conditions in the front-line sanitary stations; experiences during the war in Finland. Surg. Gyn. Obst., 1942, 74: Suppl., 579 (Abstr.)—**Kosykh, S. F.** Ognestrelnye ranenija čeljustno-licevoj oblasti po materialam sobytij v MNR, Finskoj kampanii i Otećestvennoj vojny 1941–42gg. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk., 1942, 9.—**Levinson, G. I.** [Penetrating wounds of the thorax; data from a division hospital during the war with Finland] Khirurgia, Moskva, 1942, No. 5, 51–9.

—— Finschhafen (1942–1943)

See also subheading (New Guinea)

Finschhafen Operation. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 6, 2–4.

—— Flanders.

See also subheading (Dunkirk; France)

Wright, T. J. With the kite balloons in Flanders. J. R. Army M. Corps, 1939, 73: 56–64.

—— France (1939–1945)

See also other subheadings (Dieppe; Dordogne; Dunkirk; Flanders; Marseille; Paris; Southern France; Vosges) also **Occupied area**—by regions: France.

Bourgeois, P. La Société de chirurgie de Montréal [Resolution in honor of the war activities of the surgeons of France] Mém. Acad. chir., Par., 1940, 66: 281.—**Braine, J.** Souvenirs de la Première Armée. Laval méd., 1948, 13: 262; 397; 533, 3 maps.—**Koch, F.** Impressions and experiences in war hospitals in Belgium and Northern France, 1940. Surg. Gyn. Obst., 1942, 74: Suppl., 396 (Abstr.)—**LeBlanc, J. E.** The capitulation of France. Nova Scotia M. Bull., 1940, 19: 632–4.—**Minkowski, E.** Le tribut payé par la psychiatrie française à la guerre et à l'occupation. Médecin fr., 1948, 8: 82–4.

—— France—Casualties and diseases.

Hamel & Munier. Psychoses de guerre 1939–40. Presse méd., 1943, 51: 282 (Abstr.)—**Liégeois, M., Aujaleu, E., & Sohier, R.** Les maladies vénériennes aux armées pendant la campagne 1939–40. Bull. Acad. méd., Par., 1942, 126: 148–52. ——— Prophylaxie des infections typho-paratyphoïdes pendant la campagne 1939–1940; ses résultats. Ibid., 229–32. ——— Infektion von Typhus und Paratyphus. Schweiz. med. Wschr., 1942, 72: 1108.

—— France—Medical organization and service.

DUCOS, H. Le Service de santé militaire en France, 13 septembre 1939–10 mai 1940. 216p. 22cm. Par., 1946.

GABAI, M. *L'ambulance chirurgicale légère 222 du Corps d'Armée Colonial dans la guerre 1939–40. 148p. 24cm. Par., 1941.

LEFORT, E. L. Un mois de guerre d'un médecin de réserve; septembre 39. 126p. 19½cm. Par., 1942.

MACAIRE, H. M. P. *La vie médicale d'un bataillon d'infanterie pendant les quatre premiers mois de la guerre, septembre, octobre, novembre, décembre, 1939. 56p. 24cm. Par., 1940.

Achpise, A. Memories of an Army surgeon [1939–40] Canad. M. Ass. J., 1942, 46: 274–6.—**Benzécry, I.** Investigaciones médicas en Francia durante la guerra 1939–45. Arch. Col. méd. Salvador, 1949, 2: 124–32. Also Rev. méd. peru., 1949, 22: 217–28.—**C., R.** La vie médicale à Bordeaux pendant la guerre. J. méd. Bordeaux, 1939, 116: pt 2, 361–4.—**Cummings, H.** Radiography with the fighting French forces. Radiography, Lond., 1943, 9: 63.—**Dubecq, X. J.** Six mois d'activité du service de stomatologie d'une ambulance chirurgicale d'armée de spécialités; aperçu sur l'organisation générale des services de stomatologie de la Ne armée. J. méd. Bordeaux, 1940, 117: 425–30.—**Ey, H., & Cornavin, J.** Psychoses et événements de guerre; l'activité d'un service psychiatrique en Beauce de 1940–45. Ann. méd. psychol., Par., 1948, 106: pt 2, 9–23.—**Gueulette.** Activité d'une formation chirurgicale durant les premiers mois de la guerre. Gaz. hôp., 1940, 113: 124.—**Labarthe, P. R.** Enseignements à tirer de l'organisation et de la réalisation des évacuations sanitaires par avion pendant la campagne d'Allemagne, avril-juin 1945. Méd. aéronaut., 1946, 1: 289–96.—**Medical** activities of the war (France) J. Am. M. Ass., 1939, 113: 1652.—**Mobile** hospital for Free French forces. Brit. M. J., 1941, 1: 330.—**Parker, G.** Surgeon with the Maquis. Broad Way, Lond., 1948–49, R. 12: 133.—**Rey, A. M. J.** Les liaisons dans le Service de santé au cours de la campagne de la libération 1944–45. Rev. Corps san. mil., Par., 1947, 3: 43–54. Also Spanish transl., Rev. san. mil., Lima, 1947, 20: 101–13.—**Richard, A.** Fonctionnement d'une ambulance chirurgicale lourde (mai-juin 1940) Mém. Acad. chir., Par., 1940, 66: 715–21.—**Sicé, A.** Le Service de santé des Forces françaises libres pendant les campagnes de 1940–41–42. Bull. Acad. méd., Par., 1945, 129: 360–6 Also Presse méd., 1945, 53: 345.—**Smith, N. W.** With the Free French. Canad. Nurse, 1944, 40: 23–5.—**Tabuteau.** Projet de réorganisation du corps médical français. Concours méd., 1950, 72: 333.—**Talbot.** Les données de la chirurgie de guerre française; leur adaptation à la guerre moderne. Sem. hôp. Paris, 1949, 25: 2443–9.—**Vialard-Goudou, J.** Le fonctionnement pratique du service de santé de la 1re Brigade de la 1re D. F. L. pour Bir-Hacheim (27 mai–11 juin 1942) Bull. Soc. méd. mil. fr., Par., 1946, 40: 229–34.

—— France—Transactions of Germans.

Brandenburg, K. Aerztliche Kriegsmassnahmen in Frankreich. Med. Klin., Berl., 1940, 36: 311.—**Kolshorn.** Erfahrungen der französischen Teilmobilisierung im Herbst 1938 hinsichtlich des Sanitätswesens. Münch. med. Wschr., 1939, 86: 10.—**Luserke.** Die NSV in Frankreich. Aerztebl. Hessen, 1940, 8: 180.—**Westenhöfer, M., & Barbieri, P.** La evacuación

de infecciosos por los Alemanes en la frontera Franco-Alemana. Rev. san. mil., B. Air., 1937, **36**: 462–8.

—— France—Transactions of British Forces.

See also other subheadings (Dunkirk; Flanders)

Finny, C. M. An A. D. M. S.'s experiences with the B. E. F., May, 1940. J. R. Army M. Corps, 1941, **76**: 67–85.—**Gillespie, F. S.** Notes on surgery from units in France. Circ. Lett. Brit. M. Liais. Off., Carlisle, 1944, No. 14, 1–6.—**Graham-Scott, E. T.** A British Army dental officer in France, 1940. Brit. Dent. J., 1944, **77**: 354.—**Handley, R. S.** Experiences of war surgery in France and Eritrea. J. R. Army M. Corps, 1942, **79**: 77–82. Also Middlesex Hosp. J., 1942, **42**: 36–40.—**Jeffrey, J. S.** Treatment of war wounds in France, May–June, 1940. Edinburgh M. J., 1940, **47**: 727–42. Also J. R. Army M. Corps, 1940, **75**: 345–57. Also Edinburgh Postgrad. Lect., (1940–41) 1942, **2**: 366–81.—**McCallum, D. I.** Personal experiences in France. J. R. Army M. Corps, 1941, **77**: 32–6.—**May** and June in France. Guy's Hosp. Gaz., Lond., 1940, **54**: 233–6.—**Medical** experiences during the evacuation from France. N. Zealand M. J., 1940, **39**: 232.—**Plunkett, J. J.** A survey of the work of the Royal Army Veterinary Corps with the British Expeditionary Force in France from December, 1939, to June, 1940. J. R. Army Vet. Corps, 1943–44, **15**: 28–32.—**With** the B. E. F., by Medicus, M. P., in France. Lancet, Lond., 1940, **2**: 11; 44.

—— France—Transactions of U. S. forces.

See also other subheadings (European Theater of Operations; Marseille; Mediterranean Theater of Operations; Southern France)

REMY, C. E. The history of a convalescent camp in the American Expeditionary Forces in France. MS. 156p. n. p., before June 1942.
MS. in Histor. Div. SGO U. S. Army.

Miller, L. Hospital de campaña estadounidense en Francia. Rev. Cruz roja guatem., 1944, **11**: 421–7.

—— French Morocco.

See subheading (Morocco)

—— Garigliano (1943–1944)

See also subheading (Italian Campaign)

Igert & Luigi. Le 9ème Bataillon médical au Garigliano. Maroc méd., 1947, **26**: 195–204.

—— Germany.

See also Occupied area—by regions: Germany; also subheadings (Hamburg; Leipzig; Polish-German Campaign; Norway; Russo-German War)

MYERS, B. Captured; my experiences as an ambulance driver and as a prisoner of the Nazis. 312p. 22cm. N. Y., 1942.

Allied bombing and the German Armed Forces. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) Wash. 1945, 345–51. Also 2. ed., Wash., 1947, 345–51.—**Bevölkerungsentwicklung** (Die) im Kriege. Deut. Aerztebl., 1942, **72**: 372–4.—**Blome, K.** Schwarz gegen Weiss. Gesundheitsführung, 1940, 243–6.—**Conti, L.** Zum dritten Kriegsjahre! Wien. klin. Wschr., 1942, **55**: 41. —— Leistung und Aufgabe des deutschen Arztes im Kriege. Deut. med. Wschr., 1943, **69**: 71.—**Gottlieb.** Ueber die Aufgaben der deutschen Medizingeschichte im Kriege. Deut. Aerztebl., 1944, **74**: 57.—**Johnson, A.** Germany, July 1939. McGill M. J., 1939–40, **9**: 27–35.—**Kühn, R.** Grundlagen der Krankenverpflegung und -ernährung unter Berücksichtigung der Kriegsverhältnisse. Zbl. ges. Hyg., 1943, **51**: 403 (Abstr.)—**Lenz.** [Dutch chemical warfare service in 1940] CIOS Rep., Lond., 1944, Item 24, No. X-14 & XII-23, 9–11.—**Ploetz & Rüdin.** Der uns aufgezwungene Krieg und die Rassenhygiene. Arch. Rassenb., 1939, **33**: 443–5.—**Reese, H. H.** Effect of bombing on German universities. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 172–81; illust.—**Wiedau, E.** Lungen- und Herzkrankheiten bei ausländischen Arbeitern verschiedener Nationalität. Oeff. Gesundhdienst, 1943, **9**: B1–3.

—— Germany—Air Force.

MITTEILUNGEN aus dem Gebiet der Luftfahrtmedizin. Tagungsbericht. Nos. 3, 7. 2 Nos. 29½cm. Berl., 1942–43.

Hippke, E. Fragen der Luftfahrtmedizin; über einige Sonderaufgaben des Sanitätsoffiziers der Luftwaffe. Gesundheitsführung, 1940, 412–6.—**Hofe, K. v.** Ueber Erfahrungen bei Luftkriegsverletzungen der Augen. Med. Klin., Berl., 1943, **39**: 644.—**Lutz, W.** Bericht über fliegerärztliche Erfahrungen bei Jagdverbänden im Westen. CIOS Rep., Lond., 1945, Item 24, No. XXIX-21, 15–33, illust.—**Reese, H. H.** Monthly rate of admission for nervous and mental diseases among the German Air Force, 1942–43 [ch.] In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 103.—**Wilcke, K. H.** Tätigkeit und Erfahrungen des Chirurgen bei einer Luftwaffen-Sanitätsbereitschaft im West- und Ostfeldzug. Zbl. Chir., 1943, **70**: 549–53.

—— Germany—Casualties and injuries.

Bauer, F. K. Heat. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 18–24, illust.—**Enloe, C. F., jr.** Introduction. Ibid., 1–5.—**Hellenthal, E.** Neuere Erfahrungen an Schussverletzungen im jetzigen Kriege. Deut. Militärarzt, 1942, **7**: 92–8. Also Bull. War M., Lond. 1942–43, **3**: 68 (Abstr.) Also Zbl. Chir., 1943, **70**: 1538 (Abstr.)—**Lehners, D.** Kriegsblindheit. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 26–8. ——— Drei Jahre. ärztliche Kriegsblindenbetreuung. Schr. ärztl. Sonderfürs. Schwerverwund., 1943, H. 1, 21–31, 4 pl.—**Mehnert, E.** Auswertung und statistische Angaben über 2000 Bauchschüsse des Ost- und Westfeldzuges. Deut. Militärarzt, 1943, **8**: 572–9.—**Plătăreanu, V. M.** Ueber Gasgangrän; persönliche Erfahrungen im jetzigen Kriege 1942. Zbl. Chir., 1942, **69**: 1320–8.—**Scholtyssek, H.** Beobachtungen an Späterblindeten. Schr. ärztl. Sonderfürs. Schwerverwund., 1944, H. 5, 23–9.

—— Germany—Diseases.

GERMANY. HEERES-SANITÄTSINSPEKTEUR [Dokument] No. 8715: Die Infektionskrankheiten im jetzigen Kriege. 24p. 21cm. Berl., 1944.

—— [Dokument] No. 8715, Anlage: Die Infektionskrankheiten im jetzigen Kriege. Tabellenteil. 17p. 21cm. Berl., 1944.

KLEIST, K. Beobachtungen auf dem neurologisch-psychiatrischen Fachgebiet im Jahre 1943. 16p. 21cm. n. p., 1944.

NIERENERKRANKUNGEN (Ueber die) in der Wehrmacht während des Krieges und ihre Beziehungen zu inneren und äusseren Krankheitsbedingungen in den Monaten .... [collected dissertations] 5v. 28cm. Berl., 1944.

CONTENTS

V. 1. ... in den Monaten November und Dezember 1939. Schrey, D. F. 48 l.

V. 2. No. 1: ... in den Monaten März bis April 1940. Kluwe, E. K. E. 32 l. No. 2: ... Mai und Juni 1940. Dubbert, E. H. H. K. 46 l.; No. 3: ... September bis Oktober 1940. Brehm, H. P. 32 l.

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V. 4. No. 1: ... im Monat April 1942. Bangen, H. 32 l.; No. 2: ... vom 11. – 20. Mai 1942. Schütt, H. J. 35 l.; No. 3: ... in der Zeit vom 21. – 31. Mai 1942. Walther, E. R. J. 31 l.

V. 5. No. 1: ... im Monat Juni 1942. Kramm, H. J. 35 l.; No. 2: ... in der Zeit vom 21. – 30. Juni 1942. Fink, H. F. W. 24 l.; No. 3: ... in der Zeit vom 20. – 31. Juli 1942. Friederich, H. 25 l.; No. 4: ... im Monat August 1942 (1.8–15.8) Semrau, G. P. B. 30 l.

ZIMMER, A. Interne Medizin und Neurologie. 745p. 24cm. Wien, 1944.

Boening. Psychiatrisch-neurologische Erfahrungen im Reservelazarett. Klin. Wschr., 1940, **19**: 484.—**Hauer.** Ueber die praktische Bedeutung der Amöbenruhr im jetzigen Kriege. Deut. Militärarzt, 1942, **7**: 516–23. Also Zbl. ges. Hyg., 1943, **51**: 170 (Abstr.)—**Hosemann, G.** Vorbemerkungen. In: Infektkr. jetz. Kriege (Germany. Heeres-Saninsp.) Berl., 1944, Docum. No. 8715, 7. ——— Die Häufigkeit von Infektionskrankheiten. Ibid., 8–10, tab. ——— Vergleich der Morbidität an Infektionskrankheiten in den letzten drei Kriegen. Ibid., 10–2, tab. ——— Die tödlichen Verluste durch Infektionskrankheiten. Ibid., 12, tab. ——— Die Letalität der Infektionskrankheiten. Ibid., 14, tab. ——— Die Zunahme der Sterblichkeit an Infektionskrankheiten im Laufe des Krieges. Ibid., 20–2, tab. ——— Die durchschnittliche Behandlungsdauer der Infektionskrankheiten. Ibid., 22, tab. ——— Die Grösse des durch Infektionskrankheiten bedingten Ausfalls an Kampfkraft. Ibid., 23, tab.—**Jacobi, J., & Dörschel, W.** Beobachtungen in einem Ruhrlazarett Sommer 1942. Münch. med. Wschr., 1943, **90**: 440–2.—**Kittel.** Aerztliche Erfahrungen aus dem jetzigen Kriege. Deut. med. Wschr., 1940, **66**: 447. Also Klin. Wschr., 1940, **19**: 454. Also Med. Klin., Berl., 1940, **36**: 556. Also Münch. med. Wschr., 1940, **87**: 413.—**Kuhn, R. F.** Kidney diseases in the Wehrmacht during the war in relation to internal and external factors. In: Nierenerkrankungen (Collect. Diss.) Berl., 1944, **1**: [1], ch.—**Schmidt, B.** Die Diphtherie und ihre Bekämpfung beim deutschen Heere im vergangenen Kriege. Zschr. Hyg., 1947, **127**: 191–200.—**Störring, G.** Die Verschiedenheiten der psycho-pathologischen Erfahrungen im

Weltkriege und im jetzigen Krieg, und ihre Ursachen. Münch. med. Wschr., 1942, **89**: 25–30.

—— Germany—Eastern Front.

See as subheading (Russo-German War—Transactions of German forces)

—— Germany—Medical organization and service.

GERMANY. BERATENDER INTERNIST BEIM HEERES-SANITÄTSINSPEKTEUR. An die Beratenden Internisten des Feld- und Ersatzheeres. Zusammenfassender Bericht [5.–6. Berichte] 2v. 20p.; 18p. 30cm. Berl., 1943.

GERMANY. BERATENDER INTERNIST DER 10. ARMEE. Vierteljahresbericht; Tätigkeit ab 15.2. 1945. 9p. 30cm. n. p., 1945.

KRIEGSBLINDENBETREUUNG. 92p. 23cm. Stuttg., 1944.
Forms Sonderh. to Schr. ärztl. Sonderfürs. Schwerverwund.

ZIMMER, A. Wehrmedizin; Kriegserfahrungen, 1939–43. 3v. 24½cm. Wien, 1944.

Erfahrungsberichte aus dem chirurgischen Sonderlazarett des Oberkommandos des Heers. Rev. internat. Croix Rouge, 1942, **24**: 436 (Abstr.)—**Fischer.** So arbeitet die Wehrpharmazie. Gesundheitsführung, 1941, 392–6, illust.—**Howard, T. W., Thompson, H. W.** [et al.] Medical School, University of Munich. CIOS Rep., Lond., 1945, Item 24, No. XXV–5, 3–6.—**Mira y López, E.** Psychiatry in the Nazi Army. In his Psychiatry in War, N. Y., 1943, 51–62.—**Nordlander, O., Palmer, I., & Wassén, A.** [Studies of German medical attendance during war] Tskr. mil. hälsov., 1940, **65**: 75–119.—**Pfeifer, W.** Kriegsröntgenologische Erfahrungen in Frontnähe bei grösseren Kämpfen. Deut. Militärarzt, 1943, **8**: 10–5.—**Rühe, E.** Aerztlicher Rückblick auf 5 Jahre Wehrmachtfürsorge und -versorgung. Jahrkurs. ärztl. Fortbild., 1943, **34**: H. 11–12, 49–65.—**Schmierer, A.** Arzneimittelversorgung ohne Stocken; die Bewährung der deutschen Apotheke im Kriege. Gesundheitsführung, 1941, 368.—**Zimmer, E. A.** Röntgenologische Beobachtungen im Kriege. Helvet. med. acta, 1944, **11**: 756.

—— Germany—Naval forces.

Fikentscher, A. Der Sanitätsoffizier in der Kriegsmarine. Gesundheitsführung, 1941, 9–12.

—— Germany—Public health aspect.

ALLIED FORCES. SUPREME HEADQUARTERS. Report on Nazi laws in the field of public health. 73 l. 28cm. [n. p.] 1944.

UNITED STATES. OFFICE OF STRATEGIC SERVICES. Manual of German health services. 283p. 23cm. Wash., 1944.

Conti, L. Problemi sanitari della Germania in tempo di guerra. Forze san., Roma, 1941, **10**: No. 21, 15–24. ——— Gesundheitsführung im 4. Kriegsjahre. Deut. med. Wschr., 1943, **69**: 112. ——— & **Cropp, P.** Gesundheitsführung im vierten Kriegsjahr. Oeff. Gesundhdienst, 1943, **9A**: 1.—**Fishburn, H. D.** Won't starve until fall; U. S. Public Health Officer tells of health conditions in Germany. Science News Lett., 1943, **43**: 38.—**Health** conditions in Germany. J. Am. M. Ass., 1942, **118**: 1383.—**Kriegsleistungen** der Münchener Stadtverwaltung. Techn. Gemeindebl., 1941, **44**: 13.—**Loi** No. 229 du 29 avril 1943 relatif à la protection sanitaire à la main-d'oeuvre française en Allemagne. Presse méd., 1943, **51**: 367.—**Meiling, R. L.** Germany's national health administration. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 159–66.—**Mühlens, P.** Kriegshygienische Erfahrungen. Deut. med. Wschr., 1939, **65**: 1589–94.—**Pitrolffy-Szabó, B.** Kriegshygienische Erfahrungen in Deutschland. Deut. Aerztebl., 1941, **71**: 385.—**Public** health under Hitler's rule. J. Am. M. Ass., 1942, **119**: 359; passim.—**Röhrs, H.** Gesundheitsführung als Gegenwarts- und Zukunftsaufgabe. Gesundheitsführung, 1943, 4–12.

—— Germany—Southern Front.

See such subheadings as (Alamein; Gothic Line; Italian Campaign; North Africa) etc.

—— Germany—Surgical aspect.

Barth, H. Hals-nasenohrenärztliche Erfahrungen in einem Feldlazarett. Deut. Militärarzt, 1943, **8**: 36–42.—**Franke, H.** Chirurgische Erfahrungen eines Reservelazarettes 1939. Ibid., 1940, **5**: 117–21.—**Fuchsig, P.** Feldchirurgische Erfahrungen. Beitr. klin. Chir., 1943, **174**: 479–92.—**Gelsthövel, W.** Kriegserfahrungen aus der chirurgischen Abteilung eines Reservelazaretts. Münch. med. Wschr., 1940, **87**: 933–5. Also Nord. med., 1941, **10**: 1565 (Abstr.)—**Lehner, A., & Winterstein.** Chirurgische Erfahrungen aus der Arbeit der chirurgischen Ambulanz II/17. Praxis, Bern, 1940, **29**: 321–3.—**Magnus, G.** Kriegschirurgische Erfahrungen. Klin. Wschr., 1942, **21**: 659. Also Münch. med. Wschr., 1942, **89**: 527.—**Moberg, E.** Krigskirurgiska erfarenheter från en Tysklandsresa September–Oktober 1940. Nord. med., 1941, **9**: 786–90.—**Orth, O.** Kriegschirurgische Erfahrungen. Deut. Militärarzt, 1941, **6**: 392–5.—**Senger.** Augenärztliche Kriegserfahrungen 1939–40. Klin. Mbl. Augenh., 1941, **106**: 602.

—— Germany—Transactions of U. S. forces.

HOWARD, T. W., THOMPSON, H. W. [et al.] Medical targets in southern Germany. 16p. 27cm. Wash. [1945?]
Forms No. 247, Rep. Off. Pub. Bd, Wash.

REYNOLDS, F. M. K., WEDDEL, F. J., & HENZE, C. Medical installations in Göttingen area. 11p. 27cm. Wash., 1945[?]
Forms No. 235, Rep. Off. Pub. Bd, Wash.

Stewart, W. K., & Roxburgh, H. L. German occupation and disarmament; aviation medical aspects in Schleswig-Holstein. In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 14j, 1–10.

—— Germany: Western Front.

German (The) medical plan for the anticipated allied invasion of the Continent. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 349–51.—**Hoesslin, H. v.** Ein Gang durch Lazarette und Krankenhäuser des Westfeldzuges. Deut. med. Wschr., 1943, **69**: 782–5.—**Latten, W.** Einsatz einer bespannten Sanitätskompanie als Ortslazarett nach Abschluss der Kampfhandlungen im Westen. Deut. Militärarzt, 1942, **7**: 470–4.—**Stark, W.** Tätigkeit und Problem der Chirurgen auf dem Hauptverbandplatz im Westen. Schweiz. med. Wschr., 1942, **72**: 605 (Abstr.)—**Zuckschwerdt, L., & Zopff, G.** Aufgaben, Ausrüstung und Erfahrungen einer mobilen Chirurgengruppe beim Fronteinsatz im Westen. Chirurg, 1942, **14**: 513–52. Also Deut. med. Wschr., 1943, **69**: 116 (Abstr.)

—— Gilbert Islands (1941–1943)

See also subheading (Apamama; Makin; Tarawa; Western Pacific)

Gilberts (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 5, 1–27.

—— Gold Coast.

See also subheading (West Africa)

Saunders, G. Public health conditions in wartime; Northern Gold Coast. J. Trop. M. Hyg., Lond., 1945–46, 157.

—— Gothic line.

See also subheading (Italian Campaign; North Italy)

Kershaw, G. F. The part played by animal transport in crossing the Gothic Line. J. R. Army Vet. Corps, 1945–46, **17**: 125–30.—**Parish, G.** Summary of the results of wound closure after Gothic Line battle. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 30.—**Stock, A. H., Warner, F. B., & Levinson, H. S.** Field studies in bacillary dysentery in U. S. military personnel and civilians in North Africa and Italy; distribution of dysentery bacilli types in U. S. troops before, during and after the assault on the Gothic Line. J. Infect. Dis., 1947, **81**: 72–5.

—— Great Britain.

See also subheadings (Coventry; Dover; London)

WEYMOUTH, A. Plague year, March 1940 — February 1941. 252p. 20½cm. Lond., 1942.

Adamson, M. R. Clacton and A. R. P. Cath. M. Guard., Lond., 1939–40, **17**: 223. ——— Light in the black-out. Ibid., 1941, **18**: 141–5.—**Bulmer, E.** B. L. A. medicine. Brit. M. J., 1945, **2**: 873–6.—**Charley, I. H.** Wartime impressions from England. Pub. Health Nurs., 1943, **35**: 424–9.—**Eighth** Army offensive; commenced 18. November, 1941. Bull. Army M. Dir., Lond., 1942, No. 11, 8–10.—**Fulton, J. F.** England after the Air Battle of Britain. Harvard Alumni Bull., 1940, **43**: 331–3.—**Ostermann.** Arzt und Krieg in England. Deut. med. Wschr., 1940, **66**: 382. Also Deut. Militärarzt, 1940, **5**: 498 (Abstr.)—**Warner, R.** We see it through; England is ready for anything. Dent. News, 1941, **24**: No. 8, 15–8.—**Williams, H. C. M.** The years of war in Southampton. Annual Rep. M. Off. Health Southampton (1945) 1947, 155–82.—**With** the B. E. F. Lancet, Lond., 1940, **1**: 1031.

—— Great Britain—Air Force.

Cade, S. War surgery in the Royal Air Force. Brit. J. Surg., 1944–45, **32**: 12–24. Also Spanish transl., Rev. san. mil., B. Air., 1944, **43**: 1221–46. ——— Surgery in the Royal Air

Force. In: Interallied Conf. War Med. (1942–45) 1947, 510–2.—**Carmichael.** Head injuries in Bomber Command. Gr. Britain Flying Pers. Res. Com., 1942, No. 404, 2.—**Parfitt, D. N.** Psychoneuroses in R. A. F. ground personnel. J. Ment. Sc., Lond., 1944, **90**: 566–81.—**Shield, J. B.** Orthopaedic surgery in the R. A. F. Med. Press & Circ., Lond., 1945, **214**: 326.—**Whittingham, H.** Head injuries in Bomber Command. Gr. Britain Flying Pers. Res. Com., 1942, No. 424, 2. ——— The contribution of the R. A. F. medical services towards the war effort. Tr. M. Soc. London, 1943–46, **64**: 41–6.

—— Great Britain—Casualties and injuries.

See also subheading (Casualty statistics)

Brandenburg, K. Verluste durch Luftangriffe in England. Med. Klin., Berl., 1941, **37**: 305.—**Cairns, H.** Traumatismes de la tête en Grande-Bretagne pendant la deuxième guerre mondiale. Méd. & hyg., Genève, 1946, **4**: No. 83, 2. Also Schweiz. med. Wschr., 1946, **76**: 865–70. Also Deut. med. Wschr., 1947, **72**: 41.—**Casualties** from air attacks on Britain. J. Am. M. Ass., 1941, **116**: 65.—**Casualties** (The) of the battle of Britain. Ibid., 2708. **Casualties** of the bombardment of England from the French coast [by big cross-channel guns] Ibid., 1944, **126**: 1043.—**Casualties** in the medical services; Royal Army Medical Corps. Brit. M. J., 1940, **1**: 1002; 1941, **2**: 106.—**Comparison** by campaign of cause of injury. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 216.—**Comparison** by campaign of disposals according to cause of injury. Ibid., 217.—**Comparison** by campaign of sites of injury. Ibid., 216.—**Comparison** by campaign of types of injury. Ibid., 216.—**Contribution** of surgical casualties to hospitalized wastage. Ibid., 217.—**Crawford, R. A. D.** A series of B. L. A. eye casualties. J. R. Army M. Corps, 1946, **87**: 58–61.—**Deaths** and cases returned to unit (R. T. U.) in the theatre. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 193.—**Distribution** of lethal wounds by weapon and arm of service [tab.] Ibid., 213.—**Distribution** of trivial wounds by weapon and arm of service [tab.] Ibid., 211.—**Distribution** of wounds by weapon and site of injury [tab.] Ibid., 210.—**Duarte da Cunha, B.** Aspectos da cirurgia de guerra na Inglaterra; sôbre ferimentos torácicos. Rev. med. mil., Rio, 1947, **36**: 454–62.—In England now; a running commentary by peripatetic correspondents [air raids] Lancet, Lond., 1940, **2**: 363; passim.—**Mitchiner, P. H.** Some personal observations on matters medical and casualties seen in the present war. Med. Press & Circ., Lond., 1942, **207**: 254–7. Also S. Thomas Hosp. Gaz., Lond., 1942, **40**: 36–41. Also Mod. Treat. Yearb., Lond., 1943, **9**: 148–54.—**Notes** on battle casualties from the Eighth Army. Bull. Army M. Dir., Lond., 1942, No. 11, 10–4.—**Porritt, A. E.** Survey of abdominal wounds in 21 Army Group (June, 1944–May, 1945) Brit. J. Surg., 1945–46, **33**: 267–74.—**Register** (A) of civilian war dead. J. Am. M. Ass., 1942, **119**: 1038.—**Seddon, H. J.** A review of work on peripheral nerve injuries in Great Britain during World War II. J. Nerv. Ment. Dis., 1948, **108**: 160–8. Also Arch. Neur. Psychiat., Chic., 1950, **63**: 171–3.—**Surgical** casualties. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 185–219.—**Total** (The) casualties of the war [British figures to April 1941] J. Am. M. Ass., 1941, **116**: 2330.—**Webster, F. A. M.** What is happening to Britain's wounded now? Mil. Surgeon, 1946, **98**: 13–6.—**Woods, R. S.** Observations on modern treatment of war wounded, B. E. F., at Bristol Royal Infirmary; notes based on cases under the care of Kenneth Pridie, F. R. C. S. Med. Press & Circ., Lond., 1940, **204**: 90–2.

—— Great Britain—Diseases and epidemics.

Appendicitis. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 2, 42–5. Also in: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 249–51.—**B. T.** malaria relapses treated with paludrine. Ibid., 277.—**Bodman, F.** Psychiatric cases referred by after-care officers in Region 7. Brit. M. J., 1946, **2**: 59.—**Campbell, D. J.** Venereal diseases in the Armed Forces overseas. Brit. J. Vener. Dis., 1946, **22**: 158–68.—**Communicable** diseases of sub-tropical and tropical regions. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 158–60.—**Diseases** characteristic of each wastage level [tab.] Ibid., 55.—**Dixon, G. J.** The oecology of poliomyelitis in a military camp in 1947. Brit. M. J., 1948, **1**: 1175–8.—**Efficacy** of therapeutic measures. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 273–94.—**Health** of an Army at war. Brit. M. J., 1942, **1**: 312.—**Hernia.** In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 243–6.—**Incidence** (%) of jaundice in relation to nature of arsenical drug employed for first course and stage of syphilis at which treatment began. Ibid., 256.—**Incidence** of V. D. in the U. K.; British troops; M. M. Rs. per 100,000 strength; July–December 1945 [tab.] Ibid., 267.—**Internal** derangement of the knee. Ibid., 252–4.—**Jaundice** associated with syphilis treatment and with blood transfusion. Ibid., 255–63.—**Lafont, J.** Les phénomènes psychiatriques des premiers jours de guerre en Angleterre. Progr. méd., Par., 1939, pt 2, 1376–9.—**Malaria.** In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 269–72.—**Malaria** relapses treated with quinine and quinine substitutes. Ibid., 273–6.—**Pediculus** capitis and scabies among intakes to A. T. S. training centres by quarters; percentage of recruits infected, January 1942–June 1945 [tab.] Ibid., 51.—**Psychiatry** in the Army. Ibid., 221–41.—**Rees, J. R.** Neurosis on active service in the British Army. In: Interallied Conf. War Med. (1942–45) 1947, 224.—**Relative** incidence of types of malaria; admissions to hospital, British Army other ranks; M. E. F.; Italy and West Africa, 1943 and 1944 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 271.—**Relative** V. D. rates in C. M. F.; British troops, July–December 1945 [tab.] Ibid., 266.—**Specification** of gonorrhoea. Ibid., 264.—**Treatment** of impetigo with penicillin and with sulfa drugs. Ibid., 293.—**V. D.** after V-day in major theatres. Ibid., 264–8.—War strain in Britain. Med. Rec., N. Y., 1941, **153**: 149.

—— Great Britain—Medical organization and service.

Army Medical Services; wartime activities and developments. J. R. Army M. Corps, 1944, **82**: 255–62.—**B., E. H. W.** Some X-ray experiences in the last war. Radiography, Lond., 1941, **7**: 177–9.—**Bean, A. M.** Civilian military medicine in Great Britain today. Dutchess Co. Caduceus, 1942, **8**: No. 10, 1–7.—**Bird, M., Louden, M. M. C.** [et al.] Total medicine in total war. Lancet, Lond., 1942, **2**: 351.—**Birrell, J. F.** A comparative report on ear, nose and throat work in the Army at home and overseas. J. Lar. Otol., Lond., 1944, **59**: 16–31.—**Canónico, A. N.** Algunos aspectos médicos en Inglaterra. Día méd., B. Air., 1942, **14**: 430–2.—**Dansey-Browning, G. C., & Zorab, E. C.** Ex Africa semper aliquid novi. J. R. Army M. Corps, 1944, **83**: 79–83.—**Davis, P. J. R.** Divisional psychiatry; report to the War Office. Ibid., 1946, **86**: 254–74.—**Davison, W. J.** El Cuerpo Médico en el Segundo Frente. Medicina, Habana, 1944, **2**: No. 17, 5; 20.—**Donald, C.** With the Eighth Army in the field. Brit. M. J., 1944, **1**: 709; 743.—**Eager, R.** Three years of military psychiatry. Ibid., 1943, **1**: 111.—**England** (In) now; a running commentary by peripatetic correspondents. Lancet, Lond., 1941, **1**: 327–9.—**Featherstone, H. W.** Personal experiences in the two wars. Queen M. Mag., Birm., 1946, **39**: 8–16.—**Golding, H. S.** Some wartime experiences of a dental officer. Brit. Dent. J., 1944, **76**: 273–6.—**Hardy, I.** Reminiscences of a Coastal Command Dental Officer. Dent. Mag., Lond., 1944, **61**: 269–73.—**Hastings, S.** Organization of E. N. T. department in E. M. S. Brit. M. J., 1941, **2**: 594.—**Herford, M.** Campaigning notes, 1940–45.—Bristol Med. Chir. J., 1946, **63**: 136–47.—**Hood, A.** Army Medical Services in action. J. R. Army M. Corps, 1943, **80**: 287–90.—**Le Dentu, R.** Organisation du Service de santé en campagne de l'Armée britannique. Rev. Serv. san. mil., Par., 1940, **112**: 5–22.—**McCarthy, K. C.** English medicine and the war. Ohio M. J., 1941, **37**: 1149–53.—**Medical** history of the war; history from 3rd September, 1939, to October, 1942. Annual Rep. M. Off. Health, Salford, 1946, 168–78.—**Mitchiner, P. H.** Personal impressions of the medical services in the present war. J. R. Army M. Corps, 1943, **80**: 51–7. ——— Also Spanish transl., Rev. san. mil., B. Air., 1944, **43**: 239–47.—**Penfield, W.** British medicine at war. Camsi, Montréal, 1942, **1**: 44.—**Pozner, H.** Now, when I was there. J. R. Army M. Corps, 1947, **89**: 187–93.—**Rees, J. R.** Three years of military psychiatry in the United Kingdom. Brit. M. J., 1943, **1**: 1–6.—**Robinson, D. G.** Medical care of troops on active duty in England. Ibid., 1942, **1**: 301.—**Rupena, I.** Medicinska služba u Engleskoj Pesadiskoj diviziji. Voj. san. pregl., Beogr., 1948, **5**: 112.—**Waldron, F. R.** An M. O. H. with Second Army. Pub. Health, Lond., 1946–47, **60**: 157–9.—**Woodman, M.** Organization of E. N. T. department in E. M. S. Brit. M. J., 1941, **2**: 668.—**X-ray** (Some) experiences in the present war, with apologies to E. H. W. B. Radiography, Lond., 1941, **7**: 179.

—— Great Britain—Naval forces.

Casualties in the Medical Services; Royal Navy. Brit. M. J., 1940, **2**: 34.—**Curran, D.** Operational strain; psychological casualties in the Royal Navy. In: Interallied Conf. War Med. (1942–45) 1947, 233–8.—**Hall, J. S.** A general surgeon at sea; a review of 700 cases treated in the Downs. Brit. M. J., 1946, **1**: 244–7.—**Hunot, F. C.** Administrative experiences at the Royal Naval Hospital, Haslar, in connection with the reception of casualties (March, 1942, to October, 1944) J. R. Nav. M. Serv., 1946, **32**: 19–32.

—— Great Britain—Public health aspect.

Appleton, K. Some aspects of army sanitation overseas. J. R. San. Inst., 1947, **67**: 32–5.—**Liškutin, J.** Péče o zdraví národa v Anglii za druhé světové války. Cas. lék. česk., 1946, **85**: 1716–21.

—— Great Britain—Surgical aspect.

Bristow, W. R. Some surgical lessons of the war. J. Bone Surg., 1943, **25**: 524–34.—**Campbell, M.** [et al.] Orpington, 1939–45. Guy's Hosp. Gaz., Lond., 1946, **60**: 29; passim.—**Duarte da Cunha, B.** Aspectos da cirurgia de guerra na Inglaterra; generalidades sobre o tratamento imediato da fractura aberta e infectada; o gesso oclusivo de penso raro. Rev. med. mil., Rio, 1947, **36**: 149–55.—**Lowden, T. G.** Surgery in advance of road-head. J. R. Army M. Corps, 1945, **85**: 180–3.—**Mitchiner, P. H.** War surgery, a retrospect after 4 years. Med. Press & Circ., Lond., 1943, **210**: 325. ——— A survey of five years of war surgery. Ibid., 1945, **214**: 56–9.—**Monro, D. C.** Surgery in the British Army. In: Interallied Conf. War Med. (1942–45) 1947, 506–10.—**Montserrat Figueras, S.** La cirugía en las formaciones sanitarias de vanguardia en el Ejército inglés. Rev. españ. med. cir. guerra, 1945, **7**: 260–

9.—**Page, C. M.** Surgical experiences with the B. E. F. Brit. M. J., 1940, 2: 731–3.—**Perman, E.** Krigskirurgiske erfaringer fra en studierejse i England. Militaerlaegen, 1943, 49: 52–72. Also Sven. läk. tidn., 1943, 40: 273–88.—**Porritt, A. E., Debenham, R. K., & Ross, C. C.** B. L. A. surgery. Brit. M. J., 1945, 2: 377–82.

—— Great Britain—Transactions of U. S. forces.

SPRAGUE, W. F. History of the United States Armed Forces in the British Isles, January 8, 1942–June 8, 1942. MS. 16p. n. p., before Apr. 1944.

MS. in Histor. Div. SGO U. S. Army.

Army's health better in Britain than at home. N. York State J. M., 1942, 42: 1943.—**Darnall, J. R.** Digging in at Cheltenham. Mil. Surgeon, 1949, 104: 418–24.—**Hawley, P. R.** Good health of United States troops in Britain. J. Am. M. Ass., 1942, 120: 855.—**Phillips, E. C.** An American nurse in England. Pub. Health Nurs., 1941, 33: 652–4.—**Shore-based** medical activities (dispensaries) established under Commander, Amphibious Bases, United Kingdom [tab.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 15, 40.—**United** Kingdom medical installations. Ibid., 38–61.—**United** States Naval Amphibious Supply Base, Exeter. Ibid., 50.

—— Greece (1940–1945)

See also other subheadings (Albanese Greek Italian Campaign; Balkan)

Experiences with the R. A. V. C. in Greece. J. R. Army Vet. Corps, 1941–42, 13: 73–7.—**Flinnie, H.** Flight from Greece. Desmos, S. Paul, 1942, 48: 10–12.—**Franklin, A. V.** V.514 [Vessel No. 514] J. R. Army Vet. Corps, 1942–43, 14: 50–2.—**Large, D. T. M.** Experiences of an administrative medical officer in Greece, 1941. J. R. Army M. Corps, 1943, 81: 205–12. Also in Interallied Conf. War Med. (1942–45) 1947, 298–306.—**Moyers, R. E.** The medical services of the Greek resistance movement in World War II. Bull. U. S. Army M. Dep., 1949, 9: 770–3. ——— Medical service with guerrilla troops. Ibid., 773–6.—**Rix, J. C.** The work of the Royal Army Veterinary Corps in Greece. J. R. Army Vet. Corps, 1943–44, 15: 94. Also Canad. J. Comp. M., 1945, 9: 51–3.—**Tait, W. M.** The evacuation from Greece. Canad. M. Ass. J., 1943, 49: 314–7.

—— Greece—Transactions of Axis forces.

Bugliarl, G., & Canavero, G. Sindrome neuroartralgica da perfrigerazione; studio su 1200 congelati tra le truppe del sottosettore operativo di Bardonecchia. Gior. med. mil., 1941, 89: 505–22.—**De Giacomo, U.** Un anno di assistenza neuro-psichiatrica alle forze armate italiane in Grecia. Ibid., 1943, 91: 116–23.—**Fronimopoulos, J.** Augenärztliche Erfahrungen aus dem griechisch-italienischen Krieg 1940–41. Klin. Mbl. Augenh., 1943, 109: 542–50.—**Lauro, A., & Malan, E.** Attività del 29. Nucleo chirurgico durante la campagna italo-greca. Med. contemp., Tor., 1943, 9: 53–61, illust.—**Rindone, A.** Il servizio chirurgico nell'ospedale della C. R. I. di Foggia nella campagna contro la Grecia. Gior. med. mil., 1943, 91: 49–54.—**Vaglianos, M.** Neue Erkenntnisse über die Erfrierungen der griechischen Soldaten während des Krieges. Münch. med. Wschr., 1943, 90: 649. Also Policlinico, 1943, 50: sez. prat., 365–7.

—— Greek Albanese War.

See subheading (Albanese Greek Italian Campaign)

—— Greenland (1940–1945)

See also subheading (Denmark; Narvik)

Dental service in Greenland. In: Prev. Med. in World War II, Wash., 1948, 6: 89–91.—**History** of preventive medicine in the Greenland Base Command. Ibid., 73–91.—**Office** of the Flight Surgeon, Narsarssuak Army Air Base; medical screening of outpost personnel. Ibid., 79–81.

—— Guadalcanal (1942)

See also subheading (Matanikau; Solomon Islands; Western Pacific)

HOPKINS, J. H. The 148th Infantry, First Battalion, Guadalcanal, April 20, 1943. MS. 35p. n. p., after April 1943.

MS. in Histor. Div. SGO U. S. Army.

TREGASKIS, R. Guadalcanal diary. 263p. 21cm. N. Y., 1943.

Bean, W. B., Henderson, C. R. [et al.] Issue of rations, Guadalcanal. In: Prev. Med. in World War II, Wash., 1948, 10: 138–41.—**Casualties** from the fighting front at Guadalcanal. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 14, 43.—**Flaherty, T. T., Yavorsky, W. D.** [et al.] Evacuation of wounded by air from the battle of Guadalcanal. U. S. Nav. M. Bull., 1943, 41: 917–22.—**Gist, W. L., jr.** A Marine Corps medical officer's experiences on Guadalcanal. Week. Bull. S. Louis M. Soc., 1942–43, 37: 285.—**Guadalcanal.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 3, 1–32.—**Guadalcanal** neurosis. Science News Lett., 1943, 43: 323.—**Johnson, P. T.** I was a patient from Guadalcanal. Hygeia, Chic., 1943, 21: 860–3.—**Johnston, W. M.** Surgical operations with the Navy Medical Corps in the South Pacific. Am. J. Surg., 1943, 60: 313–8.—**Kirkpatrick, R. D.** The Japanese water supply on the airport at Guadalcanal. Mil. Engin., 1943, 35: 276.—**Lidz, T.** Psychiatric casualties from Guadalcanal; a study of reactions to extreme stress. Psychiatry, 1946, 9: 193–213.—**Lodge, N.** A Theta Kappa Psi near Guadalcanal. Messenger, N. Y., 1943, 40: No. 2, 3–5.—**Maitland, P.** Under fire on Guadalcanal. Harpers Mag., 1942–43, 186: 267–77.—**Miller, J.,** Jr. The invasion of Guadalcanal. In: U. S. Army in World War II, Wash., 1949, 2: 67–75, illust. ——— The Naval Battle of Guadalcanal. Ibid., 177–89, illust. ——— Mount Austen, 15–30 December. Ibid., 232–46, illust., 2 map. ——— Fighting on Guadalcanal. Ibid., 306–18, illust.—**Moore, F. R.** The doctor at Guadalcanal and Tarawa. In: Doctors at War (Fishbein, M.) N. Y., 1945, 233–46, 4 pl.—**Rosner, A. A.** Neuropsychiatric casualties from Guadalcanal; persistent symptoms in 3 cases. Am. J. M. Sc., 1944, 207: 770–6.—**Smith, E. L.** Blood on Guadalcanal. Pittsburgh M. Bull., 1943, 32: 365; 372. Also Providence M. News, 1943, 4: No. 5, 3. Also Week. Bull. Jackson Co. M. Soc., 1943–44, 38, 384; 408; 427. ——— Still bravely singing. Hosp. Corps Q., 1944, 17: 1–22, pl.—**Taft, E.** Modern warfare; modern medicine. Milwaukee M. Times, 1943, 16: No. 3, 19.

—— Guam (1941–1945)

See also subheadings (Mariana Islands; Western Pacific)

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 57: Medical and sanitary data on Guam. 16p. 26cm. Wash., 1944.

Bean, W. B., Henderson, C. R. [et al.] Issue of rations, Guam. In: Prev. Med. in World War II, Wash., 1948, 10: 154–6.—**Guam.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 8, 58–75.—**Jackson, L.** I was on Guam. Am. J. Nurs., 1942, 42: 1244–6.—**Mount, R. A., & Floyd, T. M.** A dysentery outbreak aboard a cruiser in Apra Harbor, Guam, Marianas Islands. U. S. Nav. M. Bull., 1948, 48: 240–9.—**Speck, J. M.** Captured on Guam; the story of five Navy nurses who were prisoners of the enemy for six months last winter. Trained Nurse, 1942, 109: 414–6.—**Stoll, N. R., Loughlin, E. H.** [et al.] A study of hookworm infection in Navy and Marine personnel on Guam. Am. J. Trop. M., 1946, 26: 687–98.

—— Guantanamo Bay.

See also subheadings (Antilles; Caribbean defense; West Indies)

Naval Operating Base Dispensary at Guantanamo Bay In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 15, 70–4.

—— Hamburg (1943)

See also subheading (Germany)

Abstract of NSV action in the great Hamburg catastrophe, July 24 to August 3, 1943. In: Effect of Bombing &c. Germany (U. S. Strateg. Bomb. Surv.) 2. ed., Wash., 1947, 351–3.—**Moltrecht, M.** Aerztliche Erfahrungen bei den Luftangriffen auf Hamburg (July–Aug. 1943) Deut. med. Wschr., 1944, 70: 260.

—— Hawaii

See also subheadings (Central Pacific; Pearl Harbor)

COLE, W. E. History of the Dental Corps of the U. S. Army, Hawaiian Department in World War II. MS. 6v. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

REW, K. G. History of neuropsychiatry in the Hawaiian Area for Medical Services, Central Pacific Base Command. MS. 81p. n. p., before Dec. 1945.

MS. In Histor. Div. SGO U. S. Army.

RICH, G. T. History of Medical Laboratory Service, Central Pacific Base Command (Hawaiian Department) 7 December 1941–1 October 1945. MS. 32p. n. p., 1945.

MS. In Histor. Div. SGO U. S. Army.

RONKA, E. K. F. [History of surgical service in Central Pacific Base Command or the Hawai-

ian Department] MS. 488p. n. p., before Dec. 1945.
MS. in Histor. Div. SGO U. S. Army.

Bean, W. B., Henderson, C. R. [et al.] Issue of rations, Hawaii. In: Prev. Med. in World War II, Wash., 1948, **10**: 127.—**McNiel, E. E.** Psychiatric problems in wartime Hawaii. Hawaii M. J., 1942–43, **2**: 63–6.

—— Hirosima (Aug. 6, 1945)

See also **Atomic bomb; Atomic warfare.**

Flick, J. J. Ocular lesions following the atomic bombing of Hiroshima and Nagasaki. 24p. 27cm. Oak Ridge, 1947.
Forms MDDC 936, Docum. U. S. Atom. Energy Com.

United States. Army. Manhattan Engineer District. The atomic bombings of Hiroshima and Nagasaki. 42p. 26cm. N. Y., 1946.

United States. Strategic Bombing Survey. The effects of atomic bombs on Hirosima and Nagasaki. 46p. 26cm. Wash., 1946.
Forms No. 3, of its Rep. Pacific War.

—— The effects of atomic bombs on health and medical services in Hirosima and Nagasaki. 86p. 26cm. Wash., 1947.
Forms No. 13 of its Rep. Pacific War.

Atom (The) bomb and Hirosima. In: Introduct. Radiol. Safety (U. S. Navy Bur. Med. Surg.) Wash., 1947, 24–6.—**Flick, J. J.** Ocular lesions following the atomic bombing of Hirosima and Nagasaki. Am. J. Ophth., 1948, **31**: 137–54. Also Atomic Energy in Biophys., 1948, **1**: 147. Also Spanish transl., América clín., 1948, **13**: 112–22.—**Fromols, J.** L'effet sur l'homme de l'explosion atomique d'Hirosima. Monde & méd., Par., 1946, 63.—**Genetic** effects of the atomic bombs in Hirosima and Nagasaki. Science, 1947, **106**: 331–3.—**Geyer, H.** Genetische Auswirkungen der Atombomben auf Hirosima und Nagasaki. Grenzgeb. Med., 1948, **1**: 260.—**Ikuisi, T., Iwal, T.** [et al.] Hirosima-si de no gensi-bakudan no saigai toku-ni sei-kinō ni oyobosita eikyō ni tuite [Disaster by the atomic-bomb in Hirosima, especially its effect upon the genital function] Sanka & huzinka, 1946, **13**: No. 6, 3; No. 7, 12.—**Isizawa, S.** Gensi-bakudan ni yoru Hirosima-si zyogaku-sei no mu-gekkei ni kan-suru tyōsa kenkyū [Studies on amenorrhea in students in girls' schools in the city of Hirosima, caused by the atomic bomb explosion] Rinsyō & kenkyū, 1947, **24**: 30–3.—**Kikuti, T.** Hematological observations in the atom bomb sufferers in Hirosima city, one year after the bombing. Nuclear Sc. Abstr., 1949, **3**: 492.—**Liebow, A. A., Warren, S.** [et al.] Injuries produced by the atomic bomb; observations on human beings at Hirosima and Nagasaki. Am. J. Path., 1947, **23**: 888–91.—**Novy, F. G.,** jr. Survivors of bombing of Hirosima 3 years later. Arch. Derm. Syph., Chic., 1950, **61**: 379–83.—**Snell, F. M., Neel, J. V., & Isibasi, K.** Hematologic studies in Hirosima and a control city two years after the atomic bombing. Arch. Int. M., 1949, **84**: 569–604.—**Solandt, O. M.** The effects of the atomic bomb at Hiroshima. Treatm. Serv. Bull., Ottawa, 1947, **2**: 18–22.—**Tanaka, Y.** Gensi-bakudan ni yoru kakumaku-budōsyu, toku-ni sono keloid-yō hikō ni tuite [Staphyloma corneae due to the atomic bomb (in Hirosima), especially its keloid-like thickening] Niigata igakkai zassi, 1947, **61**: 386–8.—**Warren, S., & Draeger, R. H.** The pattern of injuries produced by the atomic bombs at Hirosima and Nagasaki. Cincinnati J. M., 1946, **27**: 871–5. Also U. S. Nav. M. Bull., 1946, **46**: 1349–53.

—— Holland (1940–1945)

See also **Nutrition survey; Occupied area**—by regions: Holland; also subheading (Arnhem)

Jong, L. de. Holland fights the Nazis. 138p. 22cm. Lond., after 1941.

United States. War Department. Technical bulletin TB MED 39: Medical and sanitary data on the Netherlands. 47p. 26cm. Wash., 1944.

Duzmati, P. P. A summary of combat medicine and surgery. Connecticut M. J., 1945, **?**: 139–43.—**Eagger, A. A.** Airborne medical services in operations in Holland. In: Interallied Conf. War Med. (1942–45) 1947, 347–51.—[**Holland** and Belgium] S. Afr. M. J., 1940, **14**: 187.—**Middelhoven, A.** Some aspects of infantile pathology in the cities of the Western Netherlands during the time of the blockade. Ann. paediat., Basel, 1945, **165**: 225–40.—**Neurdenburg, M. G.** Vital statistics in the Netherlands during World War II and today; what they may learn in regard to social medicine. Acta med. leg. social., Brux., 1948, **1**: 441–54.—**Suren, T. J. J.** [Report on the surgical treatment of war-wounded in the hospital "Charitas" at Rosendaal] Ned. tschr. geneesk., 1940, **84**: 3699–703.—**Wounded** in the Low Countries and Germany. Lancet, Lond., 1945, **1**: 218; 250.

—— Hukuoka.

See also subheading (Japan)

Takamori, M. Hukuoka kūsyū ni yoru kasyō no tyōsa [A study of the burns resulting from the bombing of Hukuoka] Rinsyo & kenkyu, 1947, **24**: 260.

—— Humanitarian aspect [incl. Red Cross]

See also **Geneva Convention; Humanitarianism; International Law;** also **Red Cross.**

Red Cross. International Red Cross Committee. Inter arma caritas; the work of the International Committee of the Red Cross during the Second World War. 135p. 23cm. Genève, 1947.

—— Hungary (1939–1945)

See also **Occupied area**—by regions: Hungary; also subheading (Budapest)

Experiences and adventures of a doctor during the war in Hungary. Dent. Items, 1947, **69**: 51–60.—**Ligeti, I.** Magyarország külkereskedelmi kapcsolatai a második világháború alatt. Magy. statiszt. szemle, 1947, **25**: 90–9.—**Snyder, A.** Becslés Magyarországnak a második világháború következtében elszenvedett emberveszteségeiről. Ibid., 1946, **24**: 1–4.

—— Iceland (1940–)

Gibson, A. L. History of the Dental Corps in Iceland, 1941–44. MS. 28p. n. p., 1944.
MS. in Histor. Div. SGO U. S. Army.

Camp Knox in the Reykjavik area. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 62.—**Gordon, J. E.** [The medical facilities of Iceland] In: Prev. Med. in World War II, Wash., 1948, **1**: 3.—**History** of preventive medicine in Iceland. Ibid., **6**: 95–101, 11 ch.—**Iceland;** 1940–42; annual R. M. R. s. and R. C. R. s.; British military other ranks [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 95.—**Iceland;** 1940–42; R. M. R. s. and R. C. R. s.; British military other ranks [tab.] Ibid., 94.—**Morbidity** in Iceland and Faeroes 1940–44. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 3, 24–8.—**Todd, F. A.** Veterinary service in Iceland. Bull. U. S. Army M. Dep., 1944, No. 73, 85–90. Also North Am. Vet., 1944, **25**: 209–11.

—— India.

See also subheadings (Assam; Bengal; Burma Campaign; Calcutta; China-Burma-India Theater; Delhi; India-Burma Theater; Moulmein)

Shridharani, K. J. *War without violence [Columbia University. Ph. D.] 351p. 21cm. N. Y., 1939.

Datta-Majumder, N. Anthropology during the war; India. Am. Anthrop., 1947, **49**: 159–64.—**Neild, F. G.** Indian airborne reminiscences. J. R. Army M. Corps, 1948, **91**: 257–74.—**Ticehurst, R. G.** Impressions from India. Guy's Hosp. Gaz., Lond., 1944, **58**: 278–80.

—— India—Casualties and diseases.

Bigham, A. Some observations on skin diseases with the Army in India. Brit. J. Derm. Syph., 1944, **56**: 199–202.—**Crew, R. S., & Berchenko, F.** Psychoneurosis; the problem as seen in this theater during the past year. Field M. Bull. U. S. Army, N. Delhi, 1944, **3**: 11–4.—**Fitz-Hugh, T., jr, Livingood, C. S., & Rogers, A. M.** Dhobie mark dermatitis. Ibid., 1943, **2**: 53–5.—**Kalra, S. L.** Report on the distribution of typhus fever in the Army in India 1943–46. J. Ind. Army M. Corps, 1947, **3**: 10–2.—**Kirby, C. K.** Experiences with 2,350 blood transfusions at an Army general hospital in India. Am. J. M. Sc., 1945, **210**: 623–9.—**Map** of India showing the distribution of filarial infection in India, 1943. Bull. U. S. Army M. Dep., 1945, No. 84, 23.—**Matas, J.** A note on psychiatry in Indian troops. J. R. Army M. Corps, 1945, **84**: 69.—**Singh, K.** Psychiatric practice among Indian troops. Ind. M. Gaz., 1946, **81**: 394–7.—**Thompson, T. O., & Buckley, C. D. M.** The seasonal incidence of dysentery in India amongst military personnel. J. R. Army M. Corps, 1939, **73**: 333–41.—**Tredgold, R. F., Kelly, G.** [et al.] Serious psychiatry disability among British officers in India. Lancet, Lond., 1946, **2**: 257–61.—**Waud, S. P., & Fein, H.** Dermatitis venenata caused by the ink from the bichi nut; initial report. Field M. Bull. U. S. Army, N. Delhi, 1943, **2**: 55.—**Wittels, T. S.** Field medicine in India; care and evacuation of casualties. Air Surgeon Bull., 1944, **1**: No. 8, 16–8.

—— India—Medical organization and services.

Bardhan, P. N. Review of progress in medicine in India during World War II. Proc. Soc. Biol. Chemists, Bangalore, 1949, **8**: 11–32.—**Cook, T. J.** Dental experiences in India. Mil. Surgeon, 1947, **100**: 32–5.—**Fitz-Hugh, T.** Experiences of

an Army medical officer in India. Bull. Am. Coll. Surgeons 1944, 29: 93–5.—**Loveday, R. K.** The transport of animals by sea between South Africa and India during World War II. J. R. Army Vet. Corps, 1946–47, 18: 54–60.—**Medical** and sanitary data on India. Bumed News Lett., Wash., 1943, 2: No. 8, 15–21.—**Peatt, E. S. W.** The Army Veterinary Services in India and Burma. Vet. Rec., Lond., 1945, 57: 219–21.—**Sloan, T. B. M.** Sidelights on wartime service in India. J. Christ. M. Ass. India, 1943, 18: 210–3.—**Tubbs, M.** Saving lives in the jungle. Mod. Hosp., 1945, 64: No. 4, 71–3.—**War** years in India; Iraq to Italy, by a member of Queen Alexandra's Imperial Military Nursing Service. J. R. Army M. Corps, 1944, 83: 230–8.—**Work** of the Army Veterinary Services in relation to military dairy farms in India. J. R. Army Vet. Corps, 1945–46, 17: 10–6.

—— India—Sanitation.

SLATER, P. R. Medical and sanitary data on India; public health and environmental factors influencing. p.16–106. 23cm. Carlisle Barracks, 1943.

Army M. Bull., 1943, No. 68.

Anderson, R. A. Some hygienic problems which will follow on the adoption of mechanization in India. J. R. Army M. Corps, 1941, 76: 223–5.—**How** the health of troops is maintained. J. Ind. M. Ass., 1942–43, 12: 155.—**Subsistence** problems in India. Milit. Rep., Wash., 1943, No. 3, 31–4.—**Van Auken, H. A.** Temperatures in India [tab.] In: Prev. Med. in World War II, Wash., 1948, 4: pt 2, 52. ——— Bottled drinks. Ibid., 100.

—— India-Burma Theater.

See also other subheadings (Assam; Burma; China-Burma-India Theater; India)

BLUMGART, H. L., & PIKE, G. M. History of internal medicine in IBT. MS. 144p. n. p., before Nov. 1945.

MS. in Histor. Div. SGO U. S. Army.

FROMANT, R. M. [et al.] Historical report entitled North Tirap Log IBT, 18 July 1945. MS. 117p. n. p., 1945.

MS. in Histor. Div. SGO U. S. Army.

MAYS, J. R. S. History of neuropsychiatry in IBT in World War II. MS. 197p. n. p., before Oct. 1945.

MS. in Histor. Div. SGO U. S. Army.

STONE, J. H. History of the Army nurses, physical therapists and hospital dietitians in India and Burma. App. A & B. MS. 102p. n. p., before Nov. 1945.

MS. in Histor. Div. SGO U. S. Army.

—— United States Army Medical Service in combat in India and Burma. MS. 2v. 414p. n. p., before Jan. 1946.

MS. in Histor. Div. SGO U. S. Army.

VAN AUKEN, H. A. A history of preventive medicine in the U. S. Army Forces of the IBT, 1942 to 1945 [v.p.] 27½cm. Wash., 1948.

Also Forms v. 4, Prev. Med in World War II, Wash., 1948. Also MS. in Hist. Div. SGO U. S. Army.

—— Iran.

See also subheading (Middle East; Persian Gulf Command)

TAMRAZ, J. M. History of Medical Department for the American Military Mission to Iran and Iraq and the history of the Medical Department in China-Burma-India Theater, 25 November 1941 to 18 August 1944. MS. 38p. n. p., after Aug. 1944.

MS. in Histor. Div. SGO U. S. Army.

M., E. S. Backdoor to Armageddon. War Doctor, 1943–44, 2: No. 7, 3–6.

—— Iraq.

See also preceding subheading.

Morton, T. C. Heat effects in British service personnel in Iraq. Tr. R. Soc. Trop. M. Hyg., Lond., 1943–44, 37: 347–72.—**Shepherd, H. M. D.** Effects of heat in Iraq. J. R. Army M. Corps, 1945, 84: 1–8.

—— Italian Campaign (1943–1945)

See also subheadings (Anzio; Garigliano; Gothic Line; Mediterranean Theater; Monte Cassino; Napoli; Sicily)

Employment of smoke in Italy. Milit. Rep., Wash., 1944, No. 20, 26–8.—**Hume, E. E.** The 1944 eruption of Vesuvius. Mil. Surgeon, 1946, 98: 369–83.—**Rose, E. E.** Somewhere in Italy. Dent. Rays, Pittsb., 1944, 19: 89–91.

—— Italian Campaign—Casualties and injuries.

SIMEONE, F. A. Trench foot in the Italian Campaign. MS. 61p. 46 app. n. p., after 1942.

MS. in Histor. Div. SGO U. S. Army.

TRIBBY, W. W. Examination of one thousand American casualties killed in action in Italy. MS. 6v. 1182p. n. p., 1945.

MS. in Histor. Div. SGO U. S. Army.

Abdominal wounds in Italy. Bull. Army M. Dep., Lond., 1945, No. 45, 7.—**Armstrong, J. B.** Analysis of abdominal casualtics that completed operation in Canadian advanced surgical centres in Italy, 1 Dec. 44–15 Jan. 45. Proc. Com. Army M. Res. [Canada] 1946, 9. meet., C.6255, 1–10, 2 ch.—**Carvalho, G. de.** Importância da traumatologia na campanha da Itália; suas aplicações práticas para o Exército Brasileiro. Hospital, Rio, 1946, 30: 867–73.—**Greenberg, L.** A bacteriological study of war wounds in Italy. J. Canad. M. Serv., 1944–45, 2: 133–41.—**Meyers, S. G., & Payne, C. A.** Diarrhea in U. S. Army personnel in Italy. Gastroenterology, 1947, 9: 186–90.—**Munslow, R. A.** Penetrating head wounds; experiences from the Italian campaign. Ann. Surg., 1946, 123: 180–9.—**Operación** (La) en dos tiempos en el tratamiento de las heridas en la campaña de Italia; el tratamiento antes de 1943. Rev. san. mil., B. Air., 1946, 45: 18–30.—**Stout, T. D. M.** Abdominal injuries in the Second New Zealand Expeditionary Force during the Italian Campaign. Austral. N. Zealand J. Surg., 1945–46, 15: 253–85.—**Trench** foot in Italy. Health (U. S. War Dep. Surg. Gen. Off.) 1944, Mar., 15.—**Two-stage** operation in the treatment of wounds in the Italian Campaign. Bull. War M., Lond., 1945–46, 6: 1–25.—**Two-stage** (The) operation in the treatment of wounds in the Italian campaign; wound treatment before 1943. Bull. Army M. Dep., Lond., 1945, Suppl. No. 22, 1–12.—**War** Department announces names of nurses killed and wounded in Italy. J. Am. M. Ass., 1944, 124: 927.

—— Italian Campaign—Diseases.

See also subheading (North Italy)

Aiken, M. H. A review of psychiatric casualties among New Zealand troops in Italy. N. Zealand M. J., 1946, 45: 155–69.—**Bell, H. J.** Gonorrhoea in Italy. J. R. Army M. Corps, 1945, 84: 21–6.—**Eustachy, J.** Malaria in the Polish forces in the East and in Italy. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 16.—**Lubowe, I. I.** The commoner dermatoses observed in the Italian theatre [of war] Mil. Surgeon, 1945, 97: 225–32.—**Maclay, D. T.** Some experiences in psychiatry and surgery with 102nd General Hospital, Bari, Italy. S. Afr. M. J., 1946, 20: 82–6.—**Manfredini, J.** Aspectos da psiquiatria de guerra na campanha da Itália. Impr. méd., Rio, 1945–46, 21: No. 385, 57–71.—**Stock, A. H.** Observations on diphtheria and diphtheria bacilli in 5th Army troops in the Italian Campaign. Mil. Surgeon, 1948, 103: 121–5.

—— Italian Campaign—Medical organization and service.

Bolot, F., Seror, J., & Zwillinger, F. Réflexions sur l'activité des trois équipes chirurgicales de l'Hôpital complémentaire 421 durant les campagnes d'Italie et de France (1944–45) Rev. Corps san. mil., Par., 1945, 1: 377–411.—**Carter, H. P.** Notes on the medical service during the Italian Campaign, from reports submitted by United States Army observers. Mil. Rev., Fort Leavenw., 1944, 24: No. 2, 18–21.—**Clayton, F.** An evacuation unit serves under fire with the Fifth Army Amphibious Forces. Am. J. Nurs., 1944, 44: 453–5.—**Cuttillet & Lavernhe.** L'anesthésic au Corps expéditionnaire français en Italie et à la première Armée française. Mém. Acad. chir., Par., 1944, 70: 431–7.—**Duarte da Cunha, B.** Esquema cirúrgico de hospitais avançados, na campanha italiana. Hospital, Rio, 1946, 29: 113–23.—**Fifth** Army experience in the Italian campaign. Health (U. S. War Dep. Surg. Gen. Off.) 1945, Mar., 7–11.—**Hugonot, G. A., & Parnet, M. F. J.** La Service de santé du Corps expéditionnaire français en Italie. Rev. Corps san. mil., 1945, 1: 339–55, 2 map.—**Hunter, H. D.** The work of a Corps psychiatrist on the Italian front. Proc. Conf. Army Physicians Centr. Mediter. Forces, 1945, 128–30. Also J. R. Army M. Corps, 1946, 86: 127–30.—**Kirkman, L. W.** Operation of Italian military hospitals. Med. Bull. Medit. Theater U. S., 1945, 3: 5–10.—**Komrower, G. M.** Military medicine in Italy; analysis of one year's work in a medical division. J. R. Army M. Corps, 1946, 87: 25–33.—**Ladany, E.**

Dermatology in an Army station hospital serving in Italy. Arch. Derm. Syph., Chic., 1945, **52**: 335–41.—**Obletz, B. E.** An orthopedic service during a campaign in Italy. Bull. U. S. Army M. Dep., 1946, **5**: 713–8.—**Slemon, H. V.** Forward neurosurgery in Italy. J. Neurosurg., 1945, **2**: 332–9.—**Stammers, F. A. R.** From the diary of a consultant in Italy. Queen M. Mag., Birm., 1946, **39**: 17–9.—**Stark, R. C.** Air evacuation; Italian Campaign. Air Surgeon Bull., 1945, **2**: 11.—**Step** (In) with the Q. A.s; on the Italian Front. Nurs. Times, Lond., 1944, **40**: 664.—**Thomas, M.** Up front in Italy. R. N., Rutherford, 1943–44, **7**: No. 6, 30–5.—**Vianna, L. S.** Odontologia militar brasileira na campanha da Italia. Rev. Ass. paul. cirurg. dent., 1947–48, **1**: No. 2–3, 56.

—— Italo-French Campaign (1940)

See also subheading (Italy)

Borini, L., & Matlì, G. Patologia e terapia fisica delle lesioni da freddo nella Campagna italo-francese del 1940. Med. contemp., Tor., 1940, **6**: 295–301. ——— Ferite e tratture da schegge osservate durante la campagna italo-francese del 1940. Ibid., 439–51. ——— Marconiterapia dei congelamenti verificatisi durante la Campagna italo-francese del 1940. Minerva med., Tor., 1940, **31**: pt 2, 586–8.—**Bugliari, G., & Canavero, G.** Sindromi neuroartralgiche da perfrigerazione; osservazioni sui casi verificatisi nell'offensiva del giugno 1940. Ibid., 567–71.

—— Italy.

See also preceding subheadings; also subheadings (Albanese Greek Italian Campaign; Greece) Napoli; North Italy)

Accardi, A. Considerazioni sui militari ricoverati in osservazione nella Clinica di San Salvi durante il periodo bellico 1940–42. Riv. pat. nerv., 1947, **68**: 109–15.—**Andrenelli, L.** Gli psiconevrosici e lo stato di guerra; dati riguardanti specialmente il conflitto 1940–45. Ann. med. nav., Roma, 1949, **54**: 248–59, 3 ch.—**Bellecci, P.** Sui feriti oculari nell'ultima guerra mondiale; studio statistico. Ibid., 49–64.—**Boscardi, F., & Sessa, V.** L'epatite epidemica fra le truppe del Corpo d'armata di Roma nel periodo 1 gennaio 1940–8 settembre 1943. Giorn. med. mil., 1947, **94**: 131–43.—**Giangrasso, G.** Chirurgia di guerra all'ospedale da campo 403 di Krionero in Valona. Atti Soc. romana chir., 1941, **3**: 437–63. Also Bull. War M., Lond., 1942–43, **3**: 421 (Abstr.)—**Majocchi, A.** Ein Unterkieferbruch. In his Nachtwachen, Frauenfeld, 1946, 108–16.—**Missione** militare di ufficiali medici del Reich. Minerva med., Tor., 1941, **32**: varia, pt 1, 294.—**Palmerio, P.** Razione alimentare e profilassi vitaminica delle truppe combattenti nell'ultima guerra. Giorn. med. mil., 1949, **96**: 453–63.—**Pedico, O.** I gravi traumi dell'occhio nella campagna del 1942. Rass. ital. ottalm., 1946, **15**: 406–36.—**Perrier, S.** Il servizio sanitario militare in Piemonte nel periodo clandestino e nella guerra di liberazione; 8 Settembre 1943–8 Guigno 1945. Minerva med., Tor., 1946, **37**: 203–10.—**Pettinari, V.** Quindici mesi di chirurgia di guerra in territorio occupato dal nemico. Arch. ital. chir., 1942, **63**: 348–64.

—— Iwo Jima

See also subheading (Japan)

Baldwin, M., & Reynolds, C. W. The treatment of battle casualties in the initial phases of the operations at Iwo Jima Island. Mil. Surgeon, 1945, **97**: 288–97.—**Bean, W. B., Henderson, C. R.** [et al.] Rations, Iwo Jima. In: Prev. Med. in World War II, Wash., 1948, **10**: 167.—**Benkwith, K. B.** Eye injuries and diseases encountered during Iwo Jima Campaign. U. S. Nav. M. Bull., 1945, **45**: 433–41.—**Control** of insects; Iwo Jima. In: Prev. Med. In World War II, Wash., 1948, **5**: 21–6.—**Goudreau, A. A.** Nursing at an advance Naval base hospital during the Iwo Jima campaign. Am. J. Nurs., 1945, **45**: 884–6.—**Heelan, W. X.** Medical organization at Iwo. Hosp. Corps Q., **18**: 55–7.—**Iwo Jima.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 11, 1–81.—**Medical** aspects of Iwo Jima operation. Health (U. S. War Dep. Surg. Gen. Off.) 1945, June, 17–21.—**Stanmar, S.** A report of neuropsychiatry on Iwo Jima from 1 May to 1 October 1945. J. Mil. M. Pacific, 1946, **2**: No. 2, 21–6.

—— Japan.

See also other subheadings (Attu; Biak Island; Hirosima; Hukuoka; Iwo Jima; Kyūsyū; Nagasaki; Okinawa; Ryūkyū; Tokyo) also **Occupied area**—by regions: Japan; **Wars and campaigns, 1937–1945**: Sino-Japanese War.

United States. Army. Forces in the Pacific. Office of the Chief Surgeon. Committee for the Technical and Scientific Investigation of Japanese Activities in Medical Sciences. Final report [v. p.] 27cm. Tokyo, 1945.

United States. Army Air Forces. Arctic Desert and Tropic Branch. Regional medical studies, No. 16: Health and disease in Japan. 4p. 27cm. Orlando, 1944.

United States. War Department. Technical bulletin TB MED 160: Medical and sanitary data on Japan. 157p. 26cm. Wash., 1945.

Brues, A. M., & Henshaw, P. S. Remarks on the current situation in Japan. Gen. Rep. U. S. Atomic Bomb Casualty Com., 1947, 6–9.—**Cokely, H. J.** Tetanus in Japanese troops. Bumed News Lett., Wash., 1944, **4**: No. 6, 12.—**Food** in Japan. Bull. U. S. Army M. Dep., 1944, No. 77, 23.—**Howland, J. W., & Warren, S. L.** The effects of the atomic bomb irradiation on the Japanese. Advance. Biol. M. Physics, 1948, **1**: 387–408.—**Josephy, A. M., jr.** Medicine hits the beach. Mcd. Econom., 1944–45, 22: No. 8, 66–71.—**Matuyama, H.** The physique of Japanese middle school boys during the war years. Res. Q. Am. Ass. Health, 1948, **19**: 30–3.—**Medical** supplies. In: Effects of Bomb. Japan (U. S. Strateg. Bomb. Surv.) Wash., 1947, 225–32.—**Owen, P. S.** Ophthalmologic survey of atomic bomb casualties in Japan. Bull. Ophth. (NRC) Wash., 1949, 128.—**Thompson, P. W., Scofield, J., & Maloney, J.** El ejército y el soldado japonés. Rev. san. mil., B. Air., 1944, **43**: 887–94.—**Yamada, Z., Okudaira, S.** [et al.] Simo Yūbetu kaigan ni okeru kirai bakuhatu ni yori tahatu-seru bakusō rei [Many cases of injury from the explosion of (floating) mines on the coast of Lower Yūbetu (in Hokkaidō)] Hokkaido igaku zassi, 1943, **21**: 1793–820.

—— Java.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 3: Health and disease in Java and Sumatra. 6p. 27cm. N. Y., 1943. Also Rev. ed., Orlando, 1944.

United States. War Department. Technical bulletin TB MED 102: Medical and sanitary data on Java. 80p. 26cm. Wash., 1944.

—— Jugoslavia (1941–1945)

Cernozubov. Origine et développement des services d'hygiène et d'épidémiologie dans l'armée partisane et dans l'armée yougoslave; leur rôle dans le redressement du pays. Rev. Corps san. mil., Par., 1946, **2**: 148.—**Dafoe, C. S.** Experiences of a British medical officer in Yugoslavia, 1944. In: Interallied Conf. War Med. (1942–45) 1947, 372–6.—**Georgievsky, A. S.** Medicinskoe obespečenie partizanskoj vojny v Jugoslavii. Voen. med. J., Moskva, 1947, No. 8, 22–8.—**Hirst, J. W.** An account of the medical services of the National Liberation Army of Jugoslavia and of the R. A. M. C. assistance given to it. J. R. Army M. Corps, 1945, **84**: 105–14. Also King's Coll. Hosp. Gaz., Lond., 1945, **24**: 91–100.—**Medical** difficulties of the Yugoslav Patriot Army [London] J. Am. M. Ass., 1944, **125**: 372.—**Parin, P.** Die Kriegsneurose der Jugoslawen. Schweiz. Arch. Neur. Psychiat., 1948, **61**: 303–24.—**Sekulich, M.** Yugoslavia under enemy occupation. In: Interallied Conf. War Med. (1942–45) 1947, 364–6.

—— Kaladan River (1943–1944)

See with subheading (Burma Campaign)

—— Karelian Isthmus.

See with subheading (Finland)

—— Kiska (1942–1943)

See also subheading (Aleutian Islands)

Kiska. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 4, 10–4.—**Lane, G. A.** Medical experiences with the 13th Canadian Infantry Brigade at Kiska. J. Canad. M. Serv., 1943–44, **1**: 282–8.

—— Kodiak sector.

Navy Medical Department organization; Kodiak sector, at normal operations [ch.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. C, 10.

—— Komandorskie Islands.

See also subheading (Russia)

United States. War Department. Technical bulletin TB MED 139: Medical and sanitary data on Ostrova Komandorskiye. 10p. 26cm. Wash., 1945.

—— Korea (1945–)

Hsiao, T. Epidemiology of the diseases of naval importance in Korea. 89p. 23½cm. Wash., 1948.

Forms Navmed P-1289, U. S. Navy Bur. M. & S.

JAPAN. SUPREME COMMANDER FOR THE ALLIED POWERS. Rickettsial diseases in Japan and Korea. v. p. [58]p. 27cm. Tokyo, 1947.
Forms No. 3, Pub. Health Welf. Techn. Bull., Tokyo, Prev. Med.

UNITED STATES. AIR FORCE. ARCTIC, DESERT AND TROPIC BRANCH. Regional medical studies. No. 18: Health and disease in Korea. 6p. 27cm. Orlando, 1945.

UNITED STATES. WAR DEPARTMENT. Technical bulletin, TB MED 208: Medical and sanitary data on Korea. 83p. 26cm. Wash., 1945.

Berger, M. M. Japanese military psychiatry in Korea. Am. J. Psychiat., 1946–47, **103**: 214–6, pl. Also Bull. U. S. Army M. Dep., 1946. **6**: 445–8.

—— Kurile Islands.

UNITED STATES. NAVY. OFFICE OF THE CHIEF OF NAVAL OPERATIONS. Publications, OPNAV 50E–2, Occupied areas section: Military government handbook. Kurile Islands. 79p. 27cm. WASH., 1943.

UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 24: Medical and sanitary data on the Kurile Islands. 8p. 26cm. Wash., 1944.

—— Kwajalein (1944)

See also subheading (Marshall Islands)

Kwajalein. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, I: Chap. 7, 1–19.

—— Kyūsyū.

See also subheading (Japan; Nagasaki)

UNITED STATES. NAVY. OFFICE OF NAVAL OPERATIONS. PACIFIC FLEET AND PACIFIC OCEAN AREAS. Information bulletin: Northern Kyushu. 289p. 33½cm. [n. p.] 1945.
Forms No. 132/45 CINCPAC-CINCPOA Bull.

Koga, M. Dai-itizi Kita Kyūsyū tihō kūsyū ni okeru iti kyūgozyo no katudō hōkoku [Reports of activity of one of the first-aid stations at the time of the first air-raid in the district of northern Kyūsyū] Nippon rinsyō, 1944, **2**: 1029–32.— **Koga, S.** Kita Kyūsyū kūsyū to bōkū kyūgo ni tuite [Aerial attacks in northern Kyusyū and its defence and first aid] Ibid., 1027–9.

—— Laos.

PIERRE, J. L. *Notes sur le Laos pendant la campagne de 1945 au Cammon. 82p. 8° Par., 1949.

—— Leipzig.

See also subheading (Germany)

Uhle, C. A. W. [The bombing of Leipzig] CIOS Rep., Lond., 1945, Item 24, No. XXIX–2, 3.

—— Leningrad siege [and front] (1941–1944)

See also subheading (Russo-German War)

RUSSIA. ARMIJA. GLAVNOE VOENNO-SANITARNOE UPRAVLENIE KRASNOJ ARMII. Военная Медицина на Ленинградском фронте. 439p. 20½cm. Moskva, 1946.

Antonov, A. N. Novorożdennye perioda blokady Leningrada, 1942 g. Vopr. pediat., 1947, **15**: No. 2, 26–39.—**Strashun, I. D.** [The history of a victory] Sovet. zdravookhr., 1943, No. 12, 15–20.

—— Leningrad siege—Casualties and diseases.

CHERNORUCKY, M. V. Алиментарная дистрофия в блокированном Ленинграде. 367p. 22cm. Leningr., 1947.

Alovsky, A. D. K lećeniju otekov v period blokady Leningrada merkuzalom i paracentezom Sborn. rabot Leningrad. akush. gin. obshch., 1945, No. 2, 143–7.—**Anshelés, I. M.** [Epidemiological aspect of Leningrad during one year of the war] Raboty Leningr. vrach. za god Otech. voiny, 1943, **3**: 79–90. ——— Materialy k epidemiologićeskoj kharakteristike zimnej vspyśki grippa v Leningrade v 1943–44 gg. Ibid., 1945, **6**: 36–51.—**Brozek, J., Wells, S., & Keys, A.** Medical aspects of semistarvation in Leningrad (siege 1941–42) Am. Rev. Soviet M., 1946–47, **4**: 70–86.—**Erusalimchik, G. L.** Osobennosti tećenija ostrykh infekcionnykh boleznej v Leningrade v uslovijakh blokady. Raboty Leningr. vrach. za gody Otech. voiny, 1945, **6**: 21–35.—**Friedland, I. G.** Iz nabljudenij nad gruppovymi otravlenijami okisju ugleroda v Leningrade v 1941–43gg. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 74–81. ——— O tak nazyvaemykh posleugarnykh pnevmonijakh v Leningrade v period vrażćskoj osady goroda. Klin. med., Moskva, 1947, **25**: No. 8, 54–8. ——— Nekotorye osobennosti kliniki intoxikacii okisju ugleroda v Leningrade v 1941–43 gg. Sovet vrach. sborn., 1947, No. 5, 13–7.—**Golant, R. J.** O nekotorykh psikhićeskikh narušenijakh v uslovijakh voennogo vremeni na osnovanü leningradskogo opyta dvukh vojn. Sovet. nevropsikh., 1948, **8**: 5–17.—**Klionsky, E. E.** Klinika i tećenie tuberkuleza v vojskakh Leningradskogo fronta v period blokady 1941–42 gg. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1951, **25**: 225–37.—**Limberg, A. A.** [Characteristics of maxillo-facial wounds from data of the Leningrad front] Voen. san. delo, 1942, No. 7, 19–21.—**Matusevich, J. Z., Agapitova, A. S.** [et al.] Klinićeskie osobennosti Leningradskoj pellagry v 1941–42 gg. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 32–50.—**Matusevich, J. Z., Velkovich, B. G., & Nikulina, M. M.** Klinićeskie osobennosti Leningradskoj cyngi 1941–42gg. Ibid., 51–60.—**Mukhina, E. P.** Opuśćenija i vypadenija genitalij u ženśćin za period blokady Leningrada. Sborn. rabot Leningrad. akush. gin. obshch., 1945, No. 2, 64–9.—**Poliektova, L. M.** Osobennosti tećenija nekotorykh ginekologićeskikh zabolevanij v period vojny i blokady Leningrada. Ibid., 58–63.—**Rabinovich, K. N.** Rak matki v period blokady Leningrada. Ibid., 80–4.—**Ryss, S. M.** Klinićeskie osobennosti hipovitaminozov i avitaminozov v Leningrade v 1941–42 gg. Raboty Leningr. vrach. za gody Otech. voiny, 1945, **6**: 71–85.—**Seybold, A. N.** Povreždenija čerepa v period blokady gor. Leningrada, po materialam Khirurgićeskogo hospitalija za 10 mesjacev. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 71–7.—**Sokolov, B. N.** Lećenie pronikajuśćikh ranenij života v uslovijakh vojskovogo rajona. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 95–9.—**Tokarevich, K. N.** Opyt izućenija leptospiroznoj želtukhi i oćerednye zadaći issledovatelskoj raboty v etoj oblasti v Leningrade. Raboty Leningr. vrach. za gody Otech. voiny, 1945, **6**: 64–70.— **Tur, A. F.** [Alimentary disorders and other diseases of children in Leningrad, 1941–43] Pediatria, Moskva, 1944, No. 4, 10–8.

—— Leningrad siege—Hypertension.

Andreev, A. F. Nekotorye pokazateli funkcionalnogo sostojanija serdećnososudistoj sistemy pri leningradskoj hipertonii. Voen. morsk. med. sborn., 1945, **4**: 52–6.—**Andrianova, I. G.** Khimicheskij sostav i fiziko-khimicheskie svojstva krovi i syvorotki krovi bolnykh hipertoniej v Leningrade v 1943–44 gg. Raboty Leningr. vrach. za gody Otech. voiny, 1946, **8**: 46–51.—**Batarchukov, R. A.** Izmenenija glaznogo dna, pri hipertonićeskoj bolezni v 1942–43 gg. v Leningrade. Ibid., 1945, **7**: 140–50.—**Brodovich, L. A.** Kholesterinemia pri tak nazyvaemoj Leningradskoj blokadnoj hipertonii. Ibid., 1946, **8**: 52–60.—**Chernobelskaja, V. I.** Arterialnaja hipertonia, kak simptom hipertonićeskoj bolezni, v Leningrade v 1943 g. Ibid., 126–36.—**Flekel, I. M.** Klinićeskie osobennosti nedostatoćnosti krovoobraśćenija pri hipertonićeskoj bolezni 1942–43gg. v Leningrade. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 321–9.—**Gauchman, S. L.** Serdećnaja nedostatoćnost pri hipertonićeskoj bolezni v Leningrade v 1943 g. Raboty Leningr. vrach. za gody Otech. voiny, 1945, **7**: 68–77.—**Grotel, D. M.** Rasprostranennost i osobennosti hipertonićeskoj bolezni v Leningrade v 1942–43 gg. Ibid., 24–48. ——— K voprosu ob etiopatogeneze hipertonićeskoj bolezni v Leningrade v 1942–43 gg. Ibid., 1946, **8**: 3–18. ——— O leningradskoj blokadnoj hipertonii. Sovet. vrach. sborn., 1946, 17–22.—**Hefter, J. M.** Izmenenija biokhimićeskikh pokazatelej krovi pri hipertonićeskoj bolezni v Leningrade. Raboty Leningr. vrach. za gody Otech. voiny 1946, **8**: 19–36. ——— **Chernorucky, M. V.** [et al.] Izmenenija obmena veśćestv pri hipertonićesko bolezni v svjazi s ee klinikoj v 1943–44 gg. v Leningrade. Ibid., 37–45.—**Jakovleva, V. V., & Stozharov, B. I.** Tipy nervnoi sistemy i uslovnoreflektornaia deiatelnost u bolnykh hipertonicheskoi bolezniu. Ibid., 73–83.—**Koliaeva, S. I.** Elektrokardiografićeskie izmenenija pri hipertonićeskoj bolezni po nabljudenijam 1943 g. Ibid., 1945, **7**: 107–18.—**Kristosturian, S. L.** Ob izmenenii funkcii slukha pri hipertonii. Ibid., 151–4.—**Lang, G. F.** Etiopatogenez hipertonićeskoj bolezni. Ibid., 5–23.— **Maev, M. D.** Ob izmenenijakh glaznogo dna pri hipertonićeskoj bolezni v uslovijakh blokady Leningrada. Ibid., 125–39.— **Markin, A. I.** Ortodiagrafićeskie nabljudenija nad izmenenijami formy i razmerov serdca i aorty pri hipertonićeskoj bolezni v 1943 godu. Ibid., 1946, **8**: 121–5. ——— Imelis li kakie-libo konstitucionalnye osobennosti v skelete bolnykh hipertonićeskoj boleznju v 1943 g. Ibid., 142–4.—**Matusevich, J. Z., & Burlova, L. J.** Osobennosti krovjanogo davlenija u nekotorykh professionalnykh grupp v Leningrade v 1943 godu. Ibid., 1945, **7**: 88–100.—**Petrova, P. A.** Nabljudenija nad izmenenijami glaznogo dna pri hipertonićeskoj bolezni v period blokady Leningrada. Ibid., 1946, **8**: 137–41.—**Popova, T. V.** Osnovnoj obmen pri hipertonićeskoj bolezni v Leningrade v 1944 godu. Ibid., 61–72.—**Pozniak, K. V.** Arterialnoe i venoznoe davlenie u voennosluzhaśćikh, bolnykh hipertonićeskoj boleznju. Ibid., 1945, **7**: 101–6.—**Shulutko, I. B.** K traktovke termina Lenin-

gradskaja blokadnaja hipertonija. Vrach. delo, 1946, 26: 815–20.—**Teplova, E. I.** Hipertonija v Leningrade v 1942–43gg; po materialam obsledovanija v Smolninskom rajone. In: Sborn. nauch. rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 316–20.—**Tur, A.** Elektrokardiografićeskie izmenenija pri hipertonićeskoj bolezni 1942–44 gg. Raboty Leningr. vrach. za gody Otech. voiny, 1946, 8: 113–20.—**Volkova, K. G.** Ob ateroskleroze venećnykh arterij serdca pri hipertonićeskoj bolezni v Leningrade v 1943 godu. Ibid., 84–95.—**Waldman, A. A.** Morfologićeskie issledovanija hipofiza pri hipertonićeskoj bolezni. Ibid., 96–9.—**Waldman, V. A.** Lećenie i profilaktika hipertonićeskoj bolezni v Leningrade. Ibid., 1945, 7: 49–67.—**Weinberg, I. S.** Nekotorye dannye ob izmenenijakh nervonoj sistemy pri hipertonii v Leningrade v 1942–43gg.; predvaritelnoe soobśćenie. In: Sborn. nauch rabot (Leningrad. Inst. usoversh. vrach. Kirov) Leningr., 1944, 330–4.—**Weisman, N. M.** Patogenez serdećnoj dejatelnosti pri hipertonii v period blokady Leningrada. Raboty Leningr. vrach. za gody Otech. voiny, 1946, 8: 100–12.—**Zakharievskaja, M.** Patologoanatomićeskie nabljudenija nad hipertonićeskoj boleznju v 1943 g. Ibid., 1945, 7: 78–87.—**Zalkindson, E. T.** Fizićeskaja terapija v praktike komplexnogo lećenija hipertonićeskoj bolezni. Ibid., 119–24.

—— Leningrad siege—Medical organization and service.

LENINGRADSKIJ GOSUDARSTVENNYJ PEDIATRIĆESKIJ MEDICINSKIJ INSTITUT. Вопросы педиатрии в дни блокады Ленинграда. Сборник 1–2. 2v. 144p.; 328p. 21½cm. Leningr., 1944–46.

Agranovsky, Z. M. Organizacija medicinskogo kontrolja za pitaniem na Leningradskom fronte v period blokady. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 412–22.—**Azbel, R. I., Nazimov, I. V., & Stepanov, V. G.** Opyt raboty po ozdorovleniju uslovij truda i sniženiju zabolevaemosti v uslovijakh blokady na važnej'ikh oboronnykh predprijatijakh Leningrada. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 190–4.—**Belozor, I. S.** Organizacija khirurgićeskoj pomośći v nastupatelnykh bojakh. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 62–6.—**Blinoff, N.** Surgeons and surgery in Leningrad. Brit. M. J., 1943, 1: 134.—**Bogorov, I. I.** [Peculiarities in the work of gynecological clinics of Leningrad during the period of blockade] Sborn. rabot Leningr. akush. gin. obshch., 1943, 92–6.—**Boreisha, J. A.** Opyt raboty na grunte. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 28–31.—**Borisova, Z. Z., & Friedland, I. G.** [Work of the Leningrad Institute of Industrial Hygiene and Occupational Disease during the siege of Leningrad] Hig. san., Moskva, 1943, 8: No. 7, 41–3.—**Epstein, G. J.** Lećenie khirurgićeskikh zabolevanij u invalidov Otećestvennoj vojny v stacionarakh Leningrada za 1945 g. Vest. khir., 1946, 66: No. 4, 95.—**Girgolav, S. S.** Leningradskie khirurgi v vojne II. Ibid., 1948, 68: No. 4, 73.—**Glazman, A. M.** Borba s krovotećenijami v mediko-sanitarnom bataljone. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 174–81.—**Gorbunov, I.** [Third scientific conference of the surgeons of the Leningrad front] Voen. san. delo, 1942, No. 8, 46–8.—**Goriunkov, J. M.** Iz opyta raboty polevogo evakopunkta. In: Voen. med. Leningr. fronte (Russia, Glavn. voen. san. upravl.) Moskva, 1946, 23–8.—**Kaganovich, U. J.** Medikamentoznoe snabźenie v dni Otećestvennoj vojny v Leningrade. Farmacia, Moskva, 1945, 8: No. 6, 14–6.—**Katznelson-Lodziato, L. A.** Fizioterapevtićeskie metody lećenija v bataljonakh vyzdoravlivajuśćikh. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 278–82.—**Korshunova, M. I.** Hospital dlja legko ranenykh v uslovijakh blokady i nastuplenija. Ibid., 36–43.—**Levin, O. A.** Khirurgićeskaja rabota frontovogo sortirovoćnogo evakohospitalja v uslovijakh blokady Leningrada i v period boev za snjatie blokady. Ibid., 66–70.—**Mandel.** Medicinskoe obespechenie N-skogo strelkovogo polka pri proryve blokady Leningrada. Ibid., 31–6.—**Melaned, J. N.** Bataljony vyzdoravlivajuśćikh Leningradskogo fronta. Ibid., 47–50.—**Miśćuk, N. N.** Organizacija i primenenie fizićeskikh metodov lećenija v uslovijakh Leningrada. Raboty Leningr. vrach. za god Otech. voiny, 1943, 4: 57–9.—**Rabinovich, N. G.** Analiz zabolevaemosti i organizacija terapevtićeskoj pomośći v Leningradskom voennom okruge. Voen. med. J., Moskva, 1946, No. 11, 13–8.—**Ryblin, J. B.** K organizacii khirurgićeskoj raboty v evakohospitale na Leningradskom fronte. In: Voen. med. Leningr. fronte (Russia, Glavn. voen. san. upravl.) Moskva, 1946, 82–9.—[Scientific work of the Leningrad Neurosurgical Institute during the war] Vopr. neirokhir., 1944, 8: 60–3.—**Shalyt, S. S., & Agapitova, A. S.** Iz opyta raboty po medicinskomu obsluživaniju na promyślennykh predprijatijakh Leningrada v uslovijakh blokady. In: Sborn. nauch. rabot Otech. voiny (Leningr. inst. hig. truda) Leningr., 1945, 185–9.—**Sherman, L. G.** Torfogrjazelećenie v bataljone vyzdoravlivajuśćikh. In: Voen. med. Leningr. fronte (Russia. Glavn. voen. san. upravl.) Moskva, 1946, 273–5.—**Simonov, S. M.** Borba s śokom v avgustovskuju boevuju operaciju 1943 g. Ibid., 211–4.—**Sviatoslavskaia, O. G.** Terapija cyngi v uslovijakh Leningrada 1942, g. Raboty Leningr. vrach. za gody Otech. voiny, 1945, 6: 102–6.—**Vasiljev, V. P.** Lećebno-evakuacionnoe obespećenie vojsk Leningradskogo fronta. In Voen. med. Leningr. fronte (Russia. Glavn. voen. san. upravl.) Moskva, 1946, 3–23.

—— Leningrad siege—Sanitation.

Babalanc, R. A. O khode izućenija i likvidacii mediko-sanitarnykh posledstvij vojny i blokady v Leningrade. Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., 1: 25–37.—**Dmitriev, N. Z.** Sanitarnoe obespećenie vodosnabźenija za period blokady Leningrada. In: Voen. med. Leningr. fronte (Russia, Glavn. voen. san. upravl.) Moskva, 1946, 422–36.—**Frenkel, S. G.** [Leningrad Hygiene Society in the second year of the siege of Leningrad] Hig. san., Moskva, 1944, 9: No. 7, 54.—**Mashansky, F. I.** [The care of public health in Leningrad during the present war] Sovet. zdravookhr., 1943, 28–37.

—— Levant.

See also subheading (East)

Partridge, M. A. Psychiatry in the Levant. J. R. Nav. M. Serv., 1946, 32: 115–26.

—— Leyte-Samar Campaign (1942–1944)

See also subheading (Philippine Islands)

Letter from a surgical consultant. Bull. U. S. Army M. Dep., 1945, No. 86, 55.—**Leyte.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 10, 1–18.—**Medical** aspects of Leyte-Samar Campaign. Health (U. S. War Dep. Surg. Gen. Off.) 1945, June, 2–10.

—— Liberia.

See also subheading (West Africa)

Moore, L. D. Incidence of malaria among troops in Liberia. J. Nat. Malaria Soc., 1945, 4: 109–13.

—— Libia (1939–1943)

See also subheadings (el-Alamein; Egypt; North Africa; Tobruk; Western Desert)

Aird, I. Military surgery in geographical perspective; a Libyan exercise in surgical strategy and tactics. Edinburgh M. J., 1944, 51: 166–83, 4 p.—**Ascroft, P. B.** Experiences of a mobile surgical unit in the Western Desert. Army M. Bull., 1943, No. 65, 73–93.—**Blackmore, W. T. E.** With a field ambulance in Libya. J. R. Army M. Corps, 1942, 79: 161–8.—**Devine, J.** War wounds in the Libyan desert. Med. J. Australia, 1943, 2: 187.—**Eden, K.** Mobile neurosurgery in warfare; experiences in the Eighth Army's campaign in Cyrenaica, Tripolitania, and Tunisia. Brit. J. Surg., 1943–44, 31: 324–8. Also Lancet, Lond., 1943, 2: 689–92.—**Kyle, E. W.** The treatment of wounded in forward areas. Med. J. Australia, 1942, 2: 459–63; Disc., 469.—**Middle** East (On the) front; a casualty clearing station in the desert. Nurs. Times, Lond., 1941, 37: 966.—**Mitchell, G. A. G., Logie, N. J., & Handley, R. S.** Observations on casualties from the Western Desert and Libya arriving at a base hospital. J. R. Army M. Corps, 1941, 77: 61–71.—**Stratton, A. M.** Ambulance at Bir Hacheim. Atlantic Month., 1942, 170: No. 5, 36–42.—**Surgery** in Libya. Brit. M. J., 1942, 2: 16.—**Trimble, A. P.** With a field ambulance in Libya. J. R. Army M. Corps, 1943, 81: 151.

—— Libia—Axis forces.

Bischhaus, E. Deutscher Flieger im libyschen Lazarett. Aerztebl. Hessen, 1941, 9: 102.—**Costantini, E.** Sull'interpretazione medico-legale di alcune forme di fibrosclerosi polmonare; indagine praticata su militari provenienti dal Fronte libico. Riv. pat. clin. tuberc., 1942, 16: 443–50, map.—**Hellmann, R.** Eindrücke und Erfahrungen vom Kriegsgebiet in Libien. Med. Welt, 1943, 17: 146; 165; 190.—**Horster.** Experiences with amebiasis in Libia. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 102–5.—**Modica, R., & Bellecci, P.** Aspetto batteriologico delle panoftalmiti in Libia. Ann. med. nav., Roma, 1940, 46: 491–5.—**Seidel, H.** Von Andalsnes bis Tripolis. Gesundheitsführung, 1941, 218–20.

—— London (1940–1944)

See also subheading (Great Britain) also **Civilian defense**—by countries: Great Britain; **Emergency medical service**—by countries: Great Britain.

Air-raid casualties among London insurance practitioners. Brit. M. J., 1940, 2: Suppl., 30.—**Air** raid in Harley street. J. Am. M. Ass., 1940, 115: 1818.—**Attacks** (The) on London from the air [London letter] Ibid., 1386.—**Berg, C.** Cambrai 1917, London 1938; depression and fear years after the forgotten events. In his War in the Mind, 2. ed., Lond., 1944. 172–80.—**Bishop, P. M. F.** Guy's and the German War. Guy's Hosp. Gaz., Lond., 1945, 59: 172–9.—**Brierley, H.** The London Hospital in the war. London Hosp. Gaz., 1945, 48: 211–7.—**Casualties** (The) and damage of the second Battle of London. J. Am. M. Ass., 1944, 126: 510.—**Casualties** in London. Lancet, Lond., 1940, 2: 423.—**Delafield, M. E.** School of Hygiene's wartime job. J. Ass. Am. M. Coll., 1945, 20: 103–6.—**Fire** (The) of London, 1940. Radiography, Lond.,

1941, 7: 33–5.—**Hill, C.** Diary of a bombed London hospital; direct hits on St. Thomas's 3 nights in 1 week; how they carried on. Carib. M. J., Trinidad, 1941, 3: 156–8.—**Horniblow, S.** Hospital at war; the story of St. Thomas's. Ibid., 1942, 4: 113–5.—**London** (The) County Council hospitals in the blitz. Med. Press & Circ., Lond., 1943, 209: 20; 39.—**London** incident. S Barth. Hosp. J. War Bull., Lond., 1940–41, 2: 50.—**Mackenzie, E. F. W.** London's water supply in peace and war. Med. Off., Lond., 1944, 72: 213.—**O., K. L.** Flying bomb. London Hosp. Gaz., 1943–44, 47: No. 6, Suppl., 6, 4 pl.—**Plichet, A.** La mortalité du temps de guerre à Londres. Presse méd., 1940, 48: 774.—**Stocks, P.** The first seven months; a study of wartime mortality in London. Lancet, Lond., 1940, 1: 725–9.—**United States** Naval Dispensary, London, England. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 15, 48–50.

—— Luzon.

See also subheadings (Manila Bay; Philippine Islands)

Luzon (The) Invasion. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 10, 18–36.—**Musser, M. J., jr.** Use of small airplanes for medical evacuation on Luzon. Bull. U. S. Army M. Dep., 1945, 4: 191–6.—**With** the Sixth Army in Luzon. Mil. Surgeon, 1945, 96: 465–8.

—— Madagascar (1942–)

Lessons from Madagascar. Milit. Rep., Wash., 1943, No. 4, 40–43.—**Madagascar** (The) operation. S. Barth. Hosp. J., Lond., 1943–44, 47: 114–8.

—— Majuro (1944)

See also subheading (Marshall Islands)

Majuro. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 7, 19.

—— Makin (1942–1943)

See also subheading (Gilbert Islands)

Makin. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 5, 15–22.

—— Malaya.

See also subheading (Malaysia)

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 4: Health and disease in Malaya. 8p. 27cm. Orlando, 1943.

United States. War Department. Technical bulletin TB MED 95: Medical and sanitary data on British Malaya. 28p. 26cm. Wash., 1944.

Boyce, C. R. A report on the psychopathic states of the Australian Imperial Force in the Malayan Campaign. Med. J. Australia, 1946, 2: 339–45.—**Derham, A. P.** Singapore and after; a brief historical survey of the activities of the Australian Army Medical Corps in Malaya. Ibid., 397–401.—**Doyle, R. W.** Medical aspects of the Malayan Campaign. Liverpool Med. Chir. J., 1948, 52: 48–54.—**Malay** zyūi hei yōti si siryō [Data necessary for the veterinary soldier in Malaya] Rikugun zyūidan hō, 1942, 1030–54.

—— Malaysia.

See also subheadings (Borneo; Java; New Guinea; Philippine Islands; Sumatra)

Allied Forces. Allied Geographical Section. Southwest Pacific Area. An annotated bibliography of the Southwest Pacific and adjacent areas. 3v. 25cm. Brisbane, 1944.

—— [The same] v.1: The Netherlands and British East Indies and the Philippine Islands. 317p. 25cm. Brisbane, 1944.

United States. War Department. Technical bulletin TB MED 70: Medical and sanitary data on the Molukken Islands and islands in the eastern part of the Banda Sea. 30p. 26cm. Wash., 1944.

—— Maldive Islands.

Manson, J. M. S. The Maldive Islands and their inhabitants. J. R. Nav. M. Serv., 1946, 32: 105–12.

—— Malta (Siege of, 1940-1945)

See also subheading (Mediterranean Theater)

Agius-Ferrante, T. Child life during Malta's siege. Queen M. Mag., Birm., 1945, 38: 21–3.—**Damodaran, K., & Hartfall, S. J.** Infective hepatitis in the garrison of Malta. Brit. M. J., 1944, 2: 587–90.—**Dentistry** in the blitz, Malta; from an officer serving in Malta. Brit. Dent. J., 1943, 74: 50.—**Dixon, H. B. F.** Siege conditions in Malta, 1940–42. In: Interallied Conf. War Med. (1942–45) 1947, 293–8.—**Evans, E.** Experiences as an Army physician in Malta and Sicily. Proc. Cardiff M. Soc., 1944–45, 31–43.—**Lees, R.** Psychiatric casualties in Malta. Lancet, Lond., 1945, 1: 65.—**Turnbridge, R. E.** Psychiatric experiences of a general physician in Malta, 1941–43. Ibid., 2: 587–90.

—— Manchuria.

United States. Air Force. Arctic, Desert and Tropic Branch. Regional medical studies. No. 17: Health and disease in Manchuria. 6p. 27cm. Orlando, 1945.

United States. Navy. Bureau of Medicine and Surgery. Epidemiology of the diseases of naval importance in Manchuria. 54p. 26cm. Wash., 1946.

Navmed 958.

United States. War Department. Technical bulletin, TB MED 216: Medical and sanitary data on Manchuria. 85p. 26½cm. Wash., 1946.

Zamyślјaev, N. I., & Prikhodko, I. F. K voprosu o kharaktere sypnogo tifa Kvantunskogo poluostrova. Voen. med. J., Moskva, 1947, No. 9, 26–8.

—— Manila Bay (1941–1942)

See also subheading (Philippine Islands)

Dixon, B. F. Manila Bay episode. Hosp. Corps Q., 1945, 18: No. 5, 53–72.—**Manila** Bay. In: U. S. Nav. M Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 2, 1.—**Manila** Bay and the Netherlands East Indies. Ibid., 1–23.—**Trout, H. H., jr.** Treatment of civilian casualties in Manila. Virginia M. Month., 1946, 73: 181–3.

—— Mareth Line (1942–1943)

See also subheading (Tunisia)

Battlefield dentistry, clinic set up in the Mareth Line [Illust.] Dent. Rec., Lond., 1943, 63: 141.—**Johnston, R.** The battle of the Mareth Line; an analysis of casualties by types and causes. J. R. Army M. Corps, 1943, 81: 176–9.—**Lucas, H. K.** Blood transfusion during the Battle of Mareth, with special reference to problems of supply. Ibid., 1944, 83: 7–11.

—— Mariana Islands.

See also subheadings (Guam; Saipan)

Adams, H. D. Thoracic casualties from the Marianas. U. S. Nav. M. Bull., 1945, 44: 1234–8.—**Marianas** (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 8, 1–89.—**Marianas** evacuation figures. Ibid., 76.—Medical aspects of Marianas Campaign. Health (U. S. War Dep. Surg. Gen. Off.) 1945, Jan., 2–7.

—— Marinduque (1945)

See with subheading (Mindoro)

—— Marseille.

See also subheadings (France; Southern France)

Naval Dispensary, Marseille. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 2: Chap. 15, 35.

—— Marshall Islands (1942–1944)

See also subheadings (Eniwetok; Kwajalein; Majuro; Mili Island)

Marshalls (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 7, 1–32.—**Spoehr, A.** Life in the Marshall Islands. Research Rev. (U. S. Navy) 1949, Apr., 1–6.

—— Matanikau.

See also subheading (Guadalcanal)

Miller, J., jr. Actions on the Matanikau. In: U. S. Army in World War II, Wash., 1949, 2: 125–34, illust.

—— Medical advances.

See also **Military medicine; Surgery.**

Fishbein, M. Doctors at war. 418p. 24cm. N. Y., 1945.

Great Britain. United Kingdom and Dominions Official Medical Histories Liaison Committee. Report of the meeting. Lond., 1., 1947–

Campbell, P. A. Otolaryngologic problems of aviation in World War II. Arch. Otolar., Chic., 1943, 38: 526–8.—

Darnall, J. R. Mediterranean medical cruise, February, 1944. Mil. Surgeon, 1948, **102**: 251–65.—**Dudley, S. F.** Important medical lessons of the war. R. Naval M. Bull., 1945, No. 19, 1–20.—**Eastman, P.** A letter. Univ. Hosp. Bull., Ann Arb., 1943, **9**: 90.—**Hobby, A. W.** Clinical advances in medical problems occasioned by World War II. Annual Meet. Terr. Ass. Plantation Physicians Hawaii, 1944, **1**: 25–8. Also Hawaii M. J., 1944–45, **4**: 243–5.—**Hoople, G. D.** An otolaryngologist's experience in World War II. Tr. Am. Lar. Rhin. Otol. Soc., 1946, **50**: 183–93.—**Long, P. H.** Medicine during World War II. Connecticut M. J., 1946, **10**: 627–36. Also Ind. M. Rec., 1947, **67**: 150–6.—**Meltzer, H. L.** Some of the medical lessons learned in World War II. Hawaii M. J., 1944–45, **4**: 239–42.—**Vida, E.** A második világháború tapasztalatai a vérátömlesztés kérdésében. Honvédorvos, 1950, **2**: 226–31.—**Wartiovaara, T. W.** Om fälthygienen under krigen 1939–44. Sven. läk. tidn., 1945, **42**: 2038–50.

—— Mediterranean Theater of Operations [MTO]

See also subheadings (Adriatic sector; Italy; Malta; Sicily) also **Amphibious warfare.**

Congress of Central Mediterranean Forces Army Surgeons [Roma, 1945] Proceedings. 150p. 27cm. Roma, 1945.

United States. Army. Mediterranean Theater of Operations. Office of the Surgeon. Final report of the Preventive Medicine Officer, 1 January–31 October 1945 [v.p.] 27½cm. Wash., 1948.
Forms v.3, Prev. Med. in World War II, Wash.

—— Mediterranean Theater of Operations—Air Force.

Carson, J. S. G., & Coleman, H. A. Medical support of the United States Army Air Forces in the MTO. MS. 261p. n. p., before March 1948.
MS. in Histor. Div. SGO U. S. Army.

Huins, J. P. Medical aspects of aviation in Mediterranean Command. 4 l. 23½cm. Lond., 1941[?]
Forms F. P. R. C. 311, Gr. Britain Flying Pers. Res. Com.

Lovelace, W. R., II. Aviation medical problems in the European and Mediterranean theatres of operation. 117p. 26½cm. Dayton, 1944.
Forms No. TSELA–5B–697–8, Memo. Rep. Aero M. Laborat. U. S. Air Force.

—— Mediterranean Theater of Operations—Casualties and injuries.

Button, E. The treatment of battle casualties in the central Mediterranean area. Austral. N. Zealand J. Surg., 1944–45, **14**: 266–8.

—— Mediterranean Theater of Operations—Diseases.

See also subheading (North Africa)

Golz, H. H., & Kalisch, A. C. A monograph on the diseases of allergy in the MTO, U. S. Army. MS. 39p. n. p., before June 1945.
MS. in Histor. Div. SGO U. S. Army.

Kranes, A. Leishmaniasis among American troops in the MTO. MS. 14p. n. p., before 1947.
MS. in Histor. Div. SGO U. S. Army.

Myers, D. W., & Matthews, E. de S. Respiratory diseases in the MTO. MS. 56p. n. p., after 1942.
MS. in Histor. Div. SGO U. S. Army.

Alkan, W. J. One year of military medicine in the Central Mediterranean Area. Acta med. orient., Jerusalem, 1948, **7**: 76–82.—**Gilmore, H. R.** Diarrheal diseases in Fifth Army; cause and prevention. Med. Bull. Medit. Theater U. S., 1945, **3**: 134.—**Halsted, J. A., & Weinberg, H.** Peptic ulcer among soldiers in the MTO. N. England J. M., 1946, **234**: 313–20.—**Isaacs, I.** Venereal disease control in the MT. Air Surgeon Bull., 1945, **2**: 88.—**Short, C. L.** Arthritis in the MTO; clinical description of hypertrophic arthritis, arthralgia and psychogenic rheumatism. N. England J. M., 1947, **236**: 429–37. ——— Arthritis in the MTO; clinical description of infectious and other types of arthritis. Ibid., 468–73.—**Smith, J. A., & Lyon, J. D.,** jr. Results in the treatment of gonorrhea in a combat field artillery unit. Med. Bull. Medit. Theater U. S., 1945, **3**: 48–50.—**Wilen, C. J. W., & Poole, P. P.** Digestive diseases observed in a general hospital in the MT. Gastroenterology, 1947, **9**: 253–71.

—— Mediterranean Theater of Operations—Medical organization and service.

Berger, F. M. History of the Medical Department Dietetics Service in the MTO, U. S. Army, 1942–45. MS. 96p. n. p., 1945.
Forms v.4, Med. Dep. in MTO.
MS. in Histor. Div. SGO U. S. Army.

Brauer, J. C. History of the Army Dental Corps, MT; organization and development of the command. MS. 51p. n. p., before 1945.
MS. in Histor. Div. SGO U. S. Army.

Clift, G. Field operations of the Medical Department in the MTO U. S. Army. MS. 420p. n. p., before Nov. 1945.
Forms v.8, Med. Dep. in MTO.
MS. in Histor. Div. SGO U. S. Army.

Davidson, W. L. Medical supply in the MTO, U. S. Army. MS. 216p. n. p., before Nov. 1945.
Forms v.7 of Med. Dep. in MTO.
MS. in Histor. Div. SGO U. S. Army.

Munden, K. W. Administration of the Medical Department in the MTOUSA; a history of the American Medical Section, AFHQ. MS. 2v. n. p., before Nov. 1945.
MS. in Histor. Div. SGO U. S. Army.

—— Convalescent rehabilitation [MTO] MS. [200] p. n. p., before Nov. 1945.
MS. in Histor. Div. SGO U. S. Army.

Parsons, A. F. [et al.] History of the Army Nurse Corps in the MTOUSA, 1942–45. MS. 160p. n. p., 1945.
Forms v.6, of Med. Dep. in MTO.
MS. in Histor. Div. SGO U. S. Army.

Truitt, M. E. History of the Medical Department Physical Therapy Service in the MTO. MS. 68p. n. p., before Oct. 1945.
Forms v.5, of Med. Dep. in MTO.
MS. in Histor. Div. SGO U. S. Army.

United States. Army. Mediterranean Theater of Operations. Medical Section. History of the Medical Section, Headquarters, Comzone, MTOUSA, February 1944–October 1944. MS. 88p. n. p., after Oct. 1944.
MS. in Histor. Div. SGO U. S. Army.

Zelen, A. I. Hospital construction in the MTO, U. S. Army. MS. 61p. n. p., before Nov. 1945.
Forms v.3, of Med. Dep. in MTO.

Franklin, A. V. The activities of the Royal Army Veterinary Corps in the MT. Vet. Rec., Lond., 1944, **56**: 447.—**Fyock, T.** Some nursing problems in a station hospital. Med. Bull. Medit. Theater U. S., 1945, **3**: 272–5.—**Hutter, H. J.** Medical service of the Mediterranean Base Section. Mil. Surgeon, 1945, **96**: 41–51.

—— Mediterranean Theater of Operations—Surgical aspect.

Churchill, E. D. Trends and practices in thoracic surgery in the MT. J. Thorac. Surg., 1943–44, **13**: 307–15. ——— The surgical management of the wounded in the MT at the time of the fall of Rome. Ann. Surg., 1944, **120**: 268–83. Also Tr. Am. Surg. Ass., 1944, **62**: 268–83. Also Bull U. S. Army M. Dep., 1945, No. 84, 58–65. ——— Surgery in the MT. Bumed News Lett., Wash., 1945, **5**: No. 4, 15–8.—**Hampton, O. P.,** jr. Reparative surgery of compound battle fractures in the MTO. Ann. Surg., 1945, **122**: 289–332. ——— Delayed internal fixation of compound battle fractures in the MTO. Ibid., 1946, **123**: 1; 238.—**Lyons, C.** An investigation of the role of chemotherapy in wound management in the MT. Tr. South. Surg. Ass. (1945) 1946, **57**: 437–59. Also Ann. Surg., 1946, **123**: 902–24.—**Stead, J. R. S.** A summary of the results of abdominal surgery in CMF. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 67–72.—**Tanner, D.** The treatment of maxillofacial injuries in the MTW. J. Canad. Dent. Ass., 1946, **12**: 163–75.

—— Mexico.

Blanco Cancino, R. Informe de las actividades desarrolladas por el Servicio médico de la Fuerza aérea expedicionaria mexicana durante el período del 27 de marzo al 18 de noviembre de 1945. Bol. san. mil., Méx., 1949, **2**: 620; passim.

—— Middle Asia.

SREDNEAZIATSKIJ VOENNYJ OKRUG. SANITARNYJ OTDEL. Voennaja medicina glubokogo tyla v Otećestvennuju vojnu. 582p. 27cm. Tashkent, 1943.

Pavlovsky, K. N. [Work of the evacuation hospitals of the Central Asia Military District during the first year of war] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 5–13.—**Sorokina, V. A.** [Results of the activity of the Army medical district commission] Ibid.. 34–40.

—— Middle East [ME]

D'Souza, I. Nostalgic reminiscences. Nurs. J. India, 1944, **35**: 144–6, 2 pl.—**McGhee, J. H.** A livestock depot, R. A. V. C., in the ME. J. R. Army Vet. Corps, 1943–44, **15**: 36–41.—**Medical** ethnography of the ME, 1944. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 117–23.—**Williams, L. S.** Impressions of a journey to the ME and Italy. Proc. Transvaal Mine M. Off. Ass., 1944–45, **24**: 53–8.

—— Middle East—Casualties and injuries.

Collins, E. G. Ear, nose, and throat casualties in a general hospital in the ME. Brit. M. J., 1943, **2**: 286–9.—**Croom, J. H.** Effects of heat; an account of a group of cases admitted to a general hospital on arrival in ME. J. R. Army M. Corps, 1944, **83**: 288–92.—**Duncan, W. J. L.** Ocular injuries of soldiers in the ME. Austral. N. Zealand J. Surg., 1942–43, **12**: 235–9.—**Head** wounds in the ME. Lancet, Lond., 1943, **1**: 533.—**Macdonald, A.** Observations on battle casualty compound fractures and joint injuries in the ME. N. Zealand M. J., 1944, **43**: 172–6.—**MacLennan, J. D.** Anaerobic infections of war wounds in the ME. Lancet, Lond., 1943, **2**: 63; passim.—**Nicholson, W. F., & Scadding, J. G.** Penetrating wounds of the chest; review of 291 cases in the ME. Ibid., 1944, **1**: 299–303.—**Wiles, P.** Analysis of battle casualties admitted to ME hospitals, April 1, 1942, to March 31, 1943. Ibid., 523–5.

—— Middle East—Diseases.

GREAT BRITAIN. ARMY. A review of the health of the MEF, 1942–43; the campaign in East Africa, 1940–41, and Madagascar, 1942; the campaigns in North Africa, 1940–41; the first campaign in Libya, June 1940–Feb. 1941. MS. 340p. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

Bacillary dysentery in the ME; modern chemotherapeutic treatment. Brit. M. J., 1942, **2**: 673–5.—**Bloomberg, B. M.** The Schick reactions and diphtheria immunisation of a South African field hospital staff in the ME. S. Afr. M. J., 1943, **17**: 99–102.—**Boyd, J. S. K.** Laboratory findings in clinical dysentery in MEF between August 1940 and June 1943. J. Path. Bact., Lond., 1946, **58**: 237–41. ——— & **Maclennan, J. D.** Tetanus in the ME; effects of active immunisation. Lancet, Lond., 1942, **2**: 745–9.—**Brockbank, W., & Whittaker, S. R. F.** Notes on typhus fever in the ME. Ibid., 1944, **1**: 150.—**Chisholm, G. B.** Psychiatric casualties in the ME. J. Canad. M. Serv., 1943–44, **1**: 211–4.—**Coverdale, H.** Hysteria in ophthalmology; experiences with New Zealand troops in the ME. Brit. J. Ophth., 1945, **29**: 120–4.—**Craigie, H. B.** Neurosis on active service; experiences in the MEF. In: Interallied Conf. War Med. (1942–45) 1947, 228–30.—**Crofton, J., & Dick, J. C.** Clinical and pathological aspects of typhus in the MEF. J. R. Army M. Corps, 1944, **83**: 1–6.—**Edsall, G.** Tetanus in the ME. J. Am. M. Ass., 1943, **122**: 559.—**Fine, J., & Livny.** Filariasis in the ME. Brit. M. J., 1943, **2**: 327.—**Finlayson, M. H.** The laboratory diagnosis of dysentery occurring in South African troops in the ME. S. Afr. M. J., 1942, **16**: 251–3. Also J. R. Army M. Corps, 1943, **80**: 307–13.—**Hamilton, J. B.** The incidence of eye disease in the Australian Imperial Forces, ME. Brit. J. Ophth., 1944, **28**: 383–93.—**Havens, W. P.,** jr. Infectious hepatitis in the ME; a clinical review of 200 cases seen in a military hospital. J. Am. M. Ass., 1944, **126**: 17–23.—**Health** of troops in the ME. Ibid., 1941, **117**: 1553.—**Hone, F. R., Keogh, E. V., & Andrew, R.** Bacillary dysentery in an Australian hospital in the ME. Med. J. Australia, 1942, **1**: 631–5.—**Illingworth, R. S.** Some experience in an isolation block of a general hospital in the ME. Univ. Leeds Med. Mag., 1945, **15**: 47–55. ——— & **Oliver, W. A.** Smallpox in the ME; lessons from 100 cases. Lancet, Lond., 1944, **2**: 681–5.—**James, G. W. B.** Operational strain; experiences with the MEF. In: Interallied Conf. War Med. (1942–45) 1947, 242.—**Kirk, N. J.** Acute appendicitis in the ME. Mil. Surgeon, 1945, **96**: 156–9.—**Lees, R.** Venereal diseases in the Armed Forces overseas. Brit. J. Vener. Dis., 1946, **22**: 149–58.—**MacGibbon, T. A.** Diphtheria in the ME; some observations on 71 cases. Edinburgh M. J., 1943, **50**: 617–25.—**Osborn, C. H., Sippe, E.** [et al.] Unfit for active service, a clinical survey of the soldier patients transported to Australia from the ME on the first voyage of the Hospital Ship Manunda. Med. J. Australia, 1941, **1**: 123–6.—**Overall** medical wastage in the ME during 1943 and 1944. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 59–75.—**Paul, J. R., Havens, W. P.,** jr, & **Van Rooyen, C. E.** Poliomyelitis in British and American troops in the ME; the isolation of virus from human faeces. Brit. M. J., 1944, **1**: 841–3.—**Psychiatric** disorders in the ME; October 1943–March 1945. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 235–41.—**Relative** incidence of admissions to hospital in MEF by arms of service, British Army other ranks, 1943 and 1944 [tab.] Ibid., 77–9.—**Relative** morbidity rates [tab.] Ibid., 120.—**Relative** wastage rates w. r. t. major diseases, weighted by duration of stay in hospital only; British Army, ME, 1943 and 1944 [tab.] Ibid., 65.—**Richmond, A. E., & Gear, H. S.** The health of the MEF, 1942–43. J. R. Army M. Corps, 1945, **85**: 1–32.—**Salmond, K. G.** Blood transfusion in the ME. N. Zealand M. J., 1943, **42**: 4–12.—**Seasonal** distributions of hospital admissions in the ME; British Army other ranks; 1943 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 75.—**Stewart, D. T., & Powles, C. P.** Transfusion practice in the ME; hospital and field work with the 2nd N. Z. E. F. N. Zealand M. J., 1944, **43**: 177–90. Also Proc. Univ. Otago M. School, 1945, **22**: No. 12, 1–14.—**Van Rooyen, C. E., & Gordon, I.** Some experimental work on infective hepatitis in the MEF. J. R. Army M. Corps, 1942, **79**: 213–25.—**Wilson, C.** Infective hepatitis and allied forms of jaundice. London Hosp. Gaz., 1943–44, **47**: Suppl., p. i–vii.—**Wirts, C. W.,** jr. Dysentery in American troops in the ME. Gastroenterology, 1946, **7**: 533. ——— & **Tallant, E. J.** Dysentery in American troops in the ME. Am. J. Digest. Dis., 1944, **11**: 252–5.—**Wood, I. J.** Some observations on transfusion in the ME. Med. J. Australia, 1942, **2**: 97–100; Disc., 105–7.

—— Middle East—Medical organization and services.

BEIRUT, SYRIA. SPEARS MOBILE CLINICS. The work of the Spears Mobile Clinics in Syria and Lebanon, 1941–45. 51 l. 8° Beirut[?] 1946.

Appreciation [of Red Cross] from surgeon and matron of Red Cross service in the ME. Australas. J. Pharm., 1942, **23**: 397.—**Army** Medical Service in the ME. J. Am. M. Ass., 1942, **120**: 977.—**Bulmer, E.** Military medicine in the ME; an experience of 13,542 cases. Brit. M. J., 1943, **1**: 374–7.—**Buxton, S. D.** Experiences in the ME; hospitals; surgery; travels. King's Coll. Hosp. Gaz., Lond., 1943, **22**: 34–9.—**Craigie, H. B.** Two years of military psychiatry in the ME. Brit. M. J., 1944, **2**: 105–9. Also Spanish transl., Rev. psiquiat. crim., B. Air., 1944, **9**: 445–54.—**Jeffcott, G. F.** Dental problems in the METO. Mil. Surgeon, 1945, **96**: 54–8.—**Jones, K.** Army nursing sisters in the ME. Nurs. Times, Lond., 1943, **39**: 97.—**Lumsden, R. B.** Otolaryngology in the Army: a review of 4½ years in the ME. J. Lar. Otol., Lond., 1945, **60**: 91–109.—**Noble, J. A.** Some recollections of a year with field medical units in the ME. Nova Scotia M. Bull., 1945, **24**: 345–50.—**Nursing** (The) services in the ME. Brit. J. Nurs., 1943, **91**: 47.—**Peatt, E. S. W.** Activities of the R. A. V. C., in the ME. J. R. Army Vet. Corps, 1943–44, **15**: 54–6.—**Porritt, A. E.** Desert hospital. Mil. Surgeon, 1944, **94**: 224–7.—**Reeves, B.** A report into the first thousand cases attending the ear, nose and throat out-patient clinic of a general hospital in the ME. J. R. Army M. Corps, 1943, **81**: 78–83.—**Sams, C. F.** Medical problems in the ME. Ann. Int. M., 1944, **21**: 215–29.—**Scourge** of the East; demonstration of an anti-typhus unit in the ME. Nurs. Times, Lond., 1943, **39**: 897.

—— Middle East—Sanitation.

Gear, H. S. Hygiene, the medical officer, and the ME campaign. S. Afr. M. J., 1945, **19**: 182–4.—**Layton, T. G.** Field sanitation; some aspects of its application in the ME. J. R. San. Inst., 1944, **64**: 95–101.

—— Middle East—Surgical aspect.

Albert, S. N. Extraits de l'historique de l'Hôpital chirurgical mobile No. 3. Rev. méd. Moyen Orient, 1945–46, **4**: 65–7, pl.—**Button, E.** Some experiences in war surgery in the ME. N. Zealand M. J., 1944, **43**: 284–8.—**Buxton, S. D.** Surgical experiences in the ME., 1941 to July, 1942. Brit. J. Surg., 1943–44, **31**: 111–27.—**Debenham, R. K.** War surgery in the ME. Brit. M. J., 1943, **2**: 223–7. Also Spanish transl., Rev. san. mil., B. Air., 1943, **42**: 866–80.—**Gillespie, F. S.** Surgery in ME. J. Canad. M. Serv., 1943–44, **1**: 109–15.—**Jack, E. A.** Evacuation of the fractured femur; the Tobruk plaster and other methods used in the ME. Lancet, Lond. 1944, **2**: 11–3.—**King, E. S. J.** Experiences in thoracic surgery in a base hospital in the ME. Austral. N. Zealand J. Surg., 1942–43, **12**: 22–9.—**Logie, N. J.** Surgical gleanings from the ME. Lancet, Lond., 1943, **2**: 658–62.—**Muir, E. G.** Surgery in the ME. Tr. M. Soc. London, 1940–43, **63**: 235–48. Also Lancet, Lond., 1943, **1**: 1–3.—**Oldfield, M. C.** Some experience of reparative surgery in the ME with a short review of 1200 cases treated during the last 2 years. Brit. J. Surg., 1944–45, **32**: 237–46.—**Porritt, A. E.** Military surgery in the ME. Ibid., 1943–44, **31**: 208–21.—**Renou, C. A. M.** Some experiences

gained in the treatment of war wounds of the abdominal viscera, and the results obtained at a forward operating area in the ME. Austral. N. Zealand J. Surg., 1942–43, 12: 123–30.—**Robinson, N.** Some surgical experiences in the ME. Med. J. Australia, 1942, 2: 376–80.—**Scott, R. B.** The early treatment of wounds of the chest in the ME. Brit. M. J., 1944, 1: 490–2.—**Walton, F. E.** The surgical service of a station hospital in the ME. Surgery, 1943, 14: 645–50.

—— Middle Pacific.

See also subheading (Pacific)

United States. Army Forces, Middle Pacific. Office of the Surgeon. History of Office of the Surgeon, U. S. Army Forces, Middle Pacific and predecessor commands, 7 December 1941–2 September 1945. MS. 3v. in 4 [500]p. n. p., after Sept. 1945.
MS. in Histor. Div. SGO U. S. Army.

Gregory, R. H. Sanitary consultant, Office of the Surgeon, United States Armed Forces, Middle Pacific. In: Prev. Med. in World War II, Wash., 1948, 10: 35–8.

—— Mili Island (1942–1944)

See also subheading (Marshall Islands)

Narimiya, Y. Mili-tō kiti ni okeru sensō seikatu ni-ka-nen [Two years of war-time life in Mili island, South Pacific; medical notes] Sōgō igaku, 1946, 3: 20–5.

—— Mindanao.

See with subheading (Visayas-Mindanao area)

—— Mindoro (1944)

See also subheading (Philippine Islands)

Haverty, J. W. History of medical activity in the Mindoro-Marinduque Operation. MS. 62p. n. p., before 1945.
MS. in Histor. Div. SGO U. S. Army.

—— Moluccas.

See with subheading (Malaysia)

—— Monte Cassino (1944)

See also subheading (Italian Campaign)

Palmer, A. Specimen casualty survey carried out in the Cassino Area; Bombing Survey Unit, Central Mediterranean Forces, 20–27 January 1944. MS. 10p. n. p., after 27 Jan. 1944.
MS. in Histor. Div. SGO U. S. Army.

Kaczanowski, G. Służba zdrowia 5 Kresowej dywizji piechoty w bitwie o Monte Cassino. Lek. wojsk., 1946, 37: 33–48.—**Notes** on the casualties of the Cassino battles. Brit. Dent. J., 1945, 78: 143.

—— Morocco.

See also subheadings (North Africa; Northwest Africa; Rif)

Blancardi, C. Problèmes sanitaires d'Armée en 1943–45. Maroc méd., 1947, 26: 205–9.—**Donnadieu, A.** Pithiatisme indigène et guerres. Ibid., 1941, 21: 154.—**Gélebart, F. M.** Deux réalisations de guerre au Maroc. Rev. Corps san. mil., Par., 1946, 2: 1–11.—**Stock, A. H., Eisenstadt, I.** [et al.] Field studies in bacillary dysentery in U. S. military personnel and civilians in North Africa and Italy; types of dysentery bacilli isolated from U. S. Army personnel and natives in French Morocco and Italy. J. Infect. Dis., 1947, 81: 59–64.—**Stock, A. H., Karlson, A. G.** [et al.] The epidemic of bacillary dysentery in the Atlantic Base Section, French Morocco, 1943. Ibid., 68–71.

—— Moulmein (1942)

See also subheadings (Burma Campaign; China-Burma-India Theater; India-Burma Theater)

Grey, A. B. Last days in Moulmein. J. Christ. M. Ass. India, 1943, 18: 16.

—— Mount Austen.

See with subheading (Guadalcanal)

—— Munda [1942–1943]

See also subheading (New Georgia)

Battle front surgery; surgery by flashlight in early days of Marine occupation of Munda [Illust.] Surgery, 1944, 15: 1017.—**Ivens, M. H.** One night on the Munda Trail. Mil. Surgeon, 1948, 103: 53–5.

—— Naga Hills.

See with subheading (Burma Campaign)

—— Nagasaki (Aug. 9, 1945)

See also the references under subheading (Hirosima)

Beck, J. S. P., & Meissner, W. A. Radiation effects of the atomic bomb among the natives of Nagasaki, Kyushu. Am. J. Clin. Path., 1946, 16: 586–92. ——— Atomic bomb surface burns; some clinical observations among prisoners of war rescued at Nagasaki, Kyushu. J. Indiana M. Ass., 1947, 40: 515–21.—**Harris, B. R., & Stevens, M. A.** Experiences at Nagasaki, Japan. Connecticut M. J., 1945, 9: 913–7.—**Hayasi, I.** Ko-Takeuti Kyōzyu no bōken ni tuite [On the autopsy on Professor Takeuti's body; the result of the atomic bomb explosion in Nagasaki] Tr. Soc. path. jap., 1947, 36: 56.—**Isigami, R., Kikuti, T.** [et al.] Observation on both the blood picture and bone-marrow in atomic bomb sufferers in Nagasaki with special reference to Nisiyama district. Nuclear Sc. Abstr., 1949, 3: 492.—**Kikuti, T., Wakisaka, G.** [et al.] Report of hematological observations in the atomic bomb sufferers in Nagasaki city one year and 4 months after the bombing. Ibid., 493.—**Larkin, J. C.** The distribution of radiation in the atomic bombing of Nagasaki. Am. J. Roentg., 1946, 55: 525–32.—**Nagasaki-si** ni ryūkō-seru dengue-netu tyōsa hōkoku [Report on an investigation of epidemic dengue in the city of Nagasaki] Gun idan zassi, 1943, 235–58.—**Ohtubo, K., & Isizawa, S.** Nagasaki-si ni okeru gensi-bakudan higai narabi-ni kōi sayō ni kan-suru eiseigaku-teki tyōsa hōkoku [Damage in Nagasaki due to the explosion of the atomic bomb, and subsequent effects: report of hygienic study] Rinsyo & kenkyu, 1947, 24: 27–9.—**Schlaegel, T. F., jr.** Ocular histopathology of some Nagasaki atomic-bomb casualties. Am. J. Ophth., 1947, 30: 127–35.—**Timmes, J. J.** Radiation sickness in Nagasaki; preliminary report. U. S. Nav. M. Bull., 1946, 46: 219–24.—**Warren, S. L.** Radioactivity and Nagasaki. Harvey Lect., 1945–46, 41: 188. ——— The Nagasaki survivors as seen in 1947. Mil. Surgeon, 1948, 102: 98–100.

—— Napoli.

See also subheading (Brazil; Italian Campaign; Italy)

Mazzini Bueno. Orientação dos serviços de clínica médica na secção de hospitalização brasileira em Nápoles. Rev. med. mil., Rio, 1945, 34: 373–84.

—— Narsarssuak.

See with subheading (Greenland)

—— Narvik.

See also subheading (Greenland)

Evans, W. M. Soldier, sailor or ruddy doctor; field ambulance work at Narvik. J. R. Army M. Corps, 1942, 78: 111–21.

—— Netherlands.

See subheading (Holland)

—— Netherlands Indies.

See also **Occupied area**—by regions: Netherlands Indies; also subheadings (Borneo; Java; Pontianak; Savu Island)

United States. Navy Department. Bureau of Medicine and Surgery. Division of Preventive Medicine. Epidemiology of diseases of military importance in the Netherlands Indies. 250p. 18½cm. Wash., 1944.
Netherlands East Indies. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 2, 10.

—— Neuropsychiatric aspect.

See also **Neuropsychiatric casualty; Neuropsychiatry.**

Deutsch, A. Military psychiatry: World War II, 1941–43. In: One Hundred Years of Psychiatry (Am. Psychiat. Ass.) N. Y., 1944, 419–41.—**Littlejohn, W. S.** Psychoneuroses and World War II. J. M. Ass. Alabama, 1946–47, 16: 69–72.—**Rickles, N. K.** Psychoneurosis in World War II. Northwest M., 1942, 41: 373–6.—**Sinclair, A. J. M.** Psychiatric aspects of the present war. Med. J. Australia, 1944, 1: 501–14.

—— New Britain.

See with subheading (New Guinea)

—— New Caledonia.

KING, A. G. Medical history of New Caledonia Service Command. MS. 39p. n. p., before Aug. 1945.
MS. in Histor. Div. SGO U. S. Army.

PERRY, W. J. The mosquitoes and mosquito-borne diseases of New Caledonia. 26 l. 27cm. Camp Lejeune, 1949.
Forms Res. Proj. NM 005 044, U. S. Nav. M. Field Res. Laborat.

King, A. G. Teleo-obstetrical progress in the Army with particular reference to foreign service in the Far Pacific. Cincinnati J. M., 1942–43, **23**: 548–54.—**Mobile** Hospital Number 5, at Noumea, New Caledonia. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 40–2.

—— Newfoundland.

See also subheading (Canada)
History of preventive medicine in World War II; Newfoundland Base Command. In: Prev. Med. in World War II, Wash., 1948, **6**: 103–39.—**Venereal** disease conditions in Newfoundland. Ibid., 135–7.—**Watkins, J. C. A.** Assignment to Newfoundland. Army M. Bull., 1942, No. 60, 151–7.

—— New Georgia (1942–1943)

See also subheading (Munda)
HOPKINS, J. H. Individual casualty history, missile wounds, New Georgia-Burma 1944. MS. 334p. [Film pl. in separate folder] n. p., after 1944.
MS. in Histor. Div. SGO U. S. Army.

—— Casualty analysis, New Georgia and Burma, 1943–45. MS. 150p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

Medical service in the New Georgia campaign. Bull. U. S. Army M. Dep., 1944, No. 79, 49–57.—New Georgia. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 3, 33–66.—**Plans** for New Georgia Operation. Ibid., 36–9.

—— New Guinea.

See also other subheadings (Buna campaign; Finschhafen; Tanahmerah Bay operation)
ROBINSON, B. J. Record of service, an Australian medical officer in the New Guinea campaign. 177p. 19cm. Melb., 1944.
UNITED STATES. ARMY AIR FORCES. ARCTIC, DESERT AND TROPIC BRANCH. Regional medical studies, No. 8: Health and disease in New Guinea. 8p. 27cm. N. Y., 1944. ALSO Revised ed., Orlando, 1944.
UNITED STATES. WAR DEPARTMENT. Technical bulletin TB MED 18: Medical and sanitary data on Dutch New Guinea. 16p. 26cm. Wash., 1944.

Air evacuation of patients in New Guinea. Bull. U. S. Army M. Dep., 1945, **4**: 185–90.—**Eagleburger, L. S.** Early medical service in New Guinea. Ibid., 1943, No. 70, 55–9. Also Mil. Surgeon, 1944, **94**: 258–60.—**Emergency** rations in the New Guinea campaign. J. Am. M. Ass., 1943, **122**: 888.—**Field** hospital. Red Cross Courier, 1942–43, **22**: No. 10, 19.—**Hampton, L. J., & Hammet, H. H., jr.** Experiences with anesthesia in an Army hospital in New Guinea. Anesthesiology, 1945, **6**: 173–80.—**Horack, H. M.** Medical and sanitary data on the Territory of Papua, the Australian-Mandated Territory of New Guinea, including the Bismarck Archipelago. Army M. Bull., 1943, No. 65, 18–49.—**Hutchison, A. M. C.** Supply problems in New Guinea. Mil. Rev., Fort Leavenw., 1949–50, **29**: No. 9, 105–10, illust.—**Jacoby, A. H., Loudon, J. R.** [et al.] The diarrhea problem in a New Guinea base. Bull. U. S. Army M. Dep., 1945, No. 86, 70–8.—**Medical** aid in New Guinea. J. Am. M. Ass., 1942, **120**: 1239.—**Morris, G. N.** Experiences with a mobile surgical team on an amphibious operation in New Guinea. Med. J. Australia, 1944, **2**: 402–6.—**Native** (These) New Guinea stretcher bearers, who were carrying wounded Americans from the front lines at Buna to hospitals in the rear, stop to rest a while in the shade of a cocoanut grove [Illust.] Hosp. Topics, 1943, **21**: No. 4, 15.—**New** Guinea. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 6, 1–14.—**Norris, F. K.** The New Guinea campaign. Med. J. Australia, 1945, **2**: 425–31.—**Notes** on living and travelling in New Guinea, Papua and New Britain. ADTIC Digest, Eglin Field, 1943, Ser. I, No. 1, 1–9.—**Papuan** natives carrying blood plasma to the front in New Guinea [Illust.] Pharm. Advance, 1942–43, **14**: No. 161, 4.—**Pier, A.** New Guinea Campaign. Harvard M. Alumni Bull., 1943–44, **18**: 21.—**Schafer, E. W.** Investigation of Japanese medical depot at an evacuated air strip in New Guinea. J. Am. M. Ass., 1944, **125**: 435.—**Shlimovitz, N.** Care of natives, Ramu Valley, New Guinea. Air Surgeon Bull., 1945, **2**: 90–2.—**Sinclair, A. J. M.** Psychiatric casualties in an operational zone in New Guinea. Med. J. Australia, 1943, **2**: 453–60.—**Snyder, L. J.** Medical air evacuation in New Guinea. Bull. U. S. Army M. Dep., 1945, **4**: 522–7.—**Stalker, L. K.** Letters; somewhere in New Guinea, March 12, 1943. Am. J. Digest. Dis., 1943, **10**: 196.—**Tank** crew fatigue in New Guinea. Milit. Rep., Wash., 1944, No. 14, 35–40.—**Weiner, L.** Convalescing. Alpha Omegan, Phila., 1943, **37**: 116–8.—**Weller, G.** Army dentist aids fliers in New Guinea. Oral Hyg., Pittsb., 1943, **33**: 472–4.—**Yeates, J. M.** The organization of advanced surgical teams in New Guinea. J. R. Army M. Corps, 1945, **84**: 97–104.

—— New Hebrides (1942)

KING, A. G. Medical history of Espiritu Santo (New Hebrides) Service Command. MS. 75p. n. p., before Dec. 1945.
MS. in Histor. Div. SGO U. S. Army.

Base Hospital Number 2, at Efate, New Hebrides. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 39.

—— New York.

Eaton, E. R. Civilian defense and other activities of the Metropolitan Hospital for 1941. J. Am. Inst. Homeop., 1942, **35**: 90–3.—**Walson, C. M.** Some of the medical accomplishments in New York, New Jersey, and Delaware during World War II with particular reference to metropolitan New York. Mil. Surgeon, 1947, **100**: 294–305.

—— New Zealand.

See also subheading (Australia)
Aiken, M. H. Psychoneuroses in the second New Zealand Expeditionary Force. N. Zealand M. J., 1941, **40**: 345–58.—**American** doctors on active service in New Zealand. J. Am. M. Ass., 1942, **120**: 1403.—**Medical** (A) officer in an Army school of instruction. N. Zealand M. J., 1940, **39**: 105.—**Medical** and sanitary data on New Zealand. Army M. Bull., 1942, No. 63, 41–70.—**Mobile** Hospital Number 6, near Wellington, New Zealand. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 43.—**Park, R. G.** Skin diseases in the 2nd New Zealand Expeditionary Force. N. Zealand M. J., 1943, **42**: 46–50.—**United States** medical men in New Zealand. J. R. Army M. Corps, 1943, **81**: 241–4.

—— Nicaragua.

United States Naval Base, Corinto, Nicaragua. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 76.

—— Normandy Beach (6 June, 1944–)

See also subheading (Caen)
Anderson, C., Jeffrey, M., & Pai, M. N. Psychiatric casualties from the Normandy beach-head; first thoughts on 100 cases. Lancet, Lond., 1944, **2**: 218–21.—**Approximate** disposal of 1,000 cases admitted to all medical units; 21. Army Group; June-July 1944 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 195.—**Ardao, H. A.** El tratamiento de las heridas de guerra; experiencia de la batalla de Normandía. Bol. Soc. cir. Uruguay, 1944, **15**: 345–70, illust. Also Arch. urug. med., 1945, **27**: 78–103.—**Assessment** (The) of battle casualties in the Normandy Campaign; June–July 1944. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 185–92.—**Battle** medical experiences. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 17, 16–23.—**Cases** dealt with entirely in forward medical units [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 187.—**Casualties** in Normandy flown across the English Channel. J. Am. M. Ass., 1944, **126**: 184.—**Darnall, J. R.** Scouting for hospital sites in Normandy. Mil. Surgeon, 1947, **101**: 191–201.—**Dunphy, J. E., & Hoerr, S. O.** A general hospital in the Normandy Campaign. Bull. U. S. Army M. Dep., 1946, **6**: 594–602.—**Evacuation** from Normandy; June–July 1944 [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 190.—**Experiences** at Cosham, by a student. S. George Hosp. Gaz., Lond., 1944–45, **34**: 17–9.—**Fharni, G. S.** The early days of the Normandy Invasion. J. Canad. M. Serv., 1944–45, **2**: 1–5.—**Fiddes, F. S.** Work of a field ambulance in the Battle of Normandy. Brit. M. J., 1945, **1**: 448–50.—**Gillespie, F. S.** Head injuries in Normandy. Bumed News Lett., Wash., 1944, **4**: No. 10, 8–10. —— Notes from hospitals in Normandy and England. Circ. Lett. Brit. M. Liais. Off., Carlisle, 1944, No. 15, 1–8.—**Glasscock, R. E.** Evacuation of casualties by LST from the Normandy beach-head. Contact, Pensacola, 1945–46, **5**: 452–7.—**Gosse, C. L.** Evacuation of casualties from Normandy beaches. In: Interallied Conf. War Med. (1942–45) 1947, 418–21.—**Hawley, P. R.** Early events in France and England. Bull. U. S. Army M. Dep., 1944, No. 80, 41. —— Letter from the Chief Surgeon, European Theater of Operations. Mil. Rev., Fort Leavenw., 1944, **24**: No. 6, 58–61.—**Hutchinson, D. F., &**

Chapman, H. R. The evacuation of casualties from a Normandy Beach. J. R. Army M. Corps, 1944, **83**: 209–14.—**Hutton, J. L.** Experiences of a dental officer in Normandy. Brit. Dent. J., 1945, **79**: 103–6.—**Injured** personnel evacuated from Normandy [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 186.—**Jones, H. E.** A note on diarrhoea among troops in Normandy. S. Thomas Hosp. Gaz., Lond., 1945, **43**: 133.—**Keddy, G. W. A.** Experiences in a 600 bed hospital in Normandy. Nova Scotia M. Bull., 1946, **25**: 131–5.—**Kenner, A. W.** The highest standard of medical service. Bull. U. S. Army M. Dep., 1944, No. 80, 43.—**Messey, J. W.** Narrative [Normandy landing] Hahneman. Month., 1944, **79**: 588–91.—**Miller, E.** Psychiatric casualties among officers and men from Normandy; distribution of aetiological factors. Lancet, Lond., 1945, **1**: 364–6.—**Mitchell, P. R.** Major difficulties experienced in the establishment of 600 and 1,200 bed general hospitals in Normandy. J. R. Army M. Corps, 1945, **85**: 228–33.—**Needles, W.** A statistical study of 100 neuropsychiatric casualties from the Normandy Campaign; with control material. Am. J. Psychiat., 1945–46, **102**: 214–21.—**Normandy.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 17, 1–30.—**Normandy** (The) beachheads. Ibid., 5–10.—**Personnel** evacuated from Normandy [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 186.—**Time** spent at different stages of evacuation. Ibid., 194.—**Trevor, D.** Certain observations on Normandy casualties. Proc. R. Soc. M., Lond., 1944–45, **38**: 76–8.—**Wagner, P. S.** Psychiatric activities during the Normandy offensive, June 20–August 20, 1944; an experience with 5,203 neuropsychiatric casualties. Psychiatry, 1946, **9**: 341–65.—**Watson, M. C.** Medical aspects of the Normandy Invasion. Canad. M. Ass. J., 1945, **53**: 99–111.—**Wounded** (The) from Normandy; evacuation and distribution. Lancet, Lond., 1944, **2**: 253–5.—**Wounded** (The) from Normandy; evacuation by air. Ibid., 278.—**Wounded** from Normandy; sea or air evacuation? Ibid., 383.

—— North Africa (1942–1944)

See also other subheadings (Africa; el-Alamein; Bengasi; Egypt; Libia; Mareth Line; Tunisia; Western Desert)

Allied (The) invasions of North Africa and Europe. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: pt 4, Chap. 14–8, 97p.—**Bennett, W. L.** News from North Africa. News Lett. Suffolk Co. M. Soc., 1943, **21**: 51.—**Bradford, A. W.** Letter from North Africa. Kentucky M. J., 1943, **41**: 104–7.—**Casper, W. T.** I saw the Allied invasion of Africa. Milwaukee M. Times, 1943, **16**: No. 3, 15; 35.—**Fuller, B. A. G.**, 2d, & **Jones, E. L.** Letters from North Africa. Atlantic Month., 1943, **171**: 55–8.—**Hume, R.** What about North Africa? Red Cross Courier, 1942–43, **22**: No. 11, 13; 23.—**Kirk, N. T.** Address. J. Am. M. Ass., 1943, **122**: 522.—**Letter** from a South Carolina physician in North Africa. J. S. Carolina M. Ass., 1943, **39**: 128.—**Letters** from the camps; North Africa. Bull. Linn Co. M. Soc., 1942–43, **11**: No. 8, 11.—**Mustardé, J. C.** Tarhuna. In his The Sun Stood Still, Lond., 1945, 4. impr., 79–90.—**Natives** (The) of North Africa. In: School Lect. U. S. Air Force Arctic &c. Inform. Cent., N. Y., 1943, pt 2, No. 1, 8–11.—**North** Africa. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 14, 1–15.—**Reinartz, E. C.** A flight surgeon looks at war. Rocky Mountain M. J., 1944, **41**: 20–6.—**S., W.** North Africa in the early history of medicine; battlefields of today, cultural centres of yesteryear. Australas. J. Pharm., 1943, **24**: 440.—**Smoke** screening of North African ports. Milit. Rep., Wash., 1943, No. 7, 25–9.—**Woodward, T. E.** Abstract from a North African diary. Bull. School M. Univ. Maryland, 1943–44, **28**: 172–6.

—— North Africa—Casualties and diseases.

ANDREWS, J. M. Malaria control history in World War II in North Africa, Italy and the Islands of the Mediterranean. MS. 71p. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

GRINKER, R. R., & SPIEGEL, J. P. War neuroses in North Africa. 300p. 23cm. N. Y., 1943.

SHORT, C. L. Arthritis in the North African and Mediterranean Theater of Operations. MS. 84p. n. p., after 1944.

MS. in Histor. Div. SGO U. S. Army.

Bartlett, M. K. Vitamin C deficiency in general hospital patients; an abstract. Med. Bull. North Afr. Theater U. S., 1944, **2**: 32–5.—**Bland, E. F.** Rheumatic fever and rheumatic heart disease in the North African and Mediterranean Theater of Operations, United States Army. Am. Heart J., 1946, **32**: 545–59.—**Campbell, D. J.** Gonorrhoea in North Africa and the Central Mediterranean. J. R. Army M. Corps, 1944, **82**: 269.—**Churchill, E. D.** Theater experience in wounds of the abdomen. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 3, 2–6.—**Custer, E. A.** Tuberculosis in the NAT of Operations. Ibid., 30.—**Dewey, L. A.** Vencreal disease control; a survey. Ibid., 33–5.—**Diack, S. L.** Some notes on tuberculosis in the NAT Operations. Ibid., **2**: 28.—**Duty** status treatment of gonorrhea. Ibid., **1**: No. 2, 18–20.—**Gowen, G. H.** Acute enteritis in North Africa. Bull. U. S. Army M. Dep., 1943, No. 71, 55–8.—**Halstead, J. A.**, & **Weinberg, H.** Chronic dyspepsia among soldiers in the NAT of operations; a study of 100 cases in a general hospital. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 2, 2–8. Also Portug. transl., Rev. méd. cir. Brasil, 1944, **52**: 633–48.—**Hepatitis** in North Africa. Bull. U. S. Army M. Dep., 1944, No. 76, 23.—**Jaundice.** Med. Bull. North Afr. Theater U. S., 1944, **1**: 38–40.—**Last** lap in North Africa; a casualty clearing station in action. Nurs. Times, Lond., 1943, **39**: 331.—**McKean, G. T.**, & **King, D. S.** Tuberculosis in the Army in North Africa and Italy. Bull. U. S. Army M. Dep., 1946, **6**: 452–5.—**Ragan, C.**, & **Roberts, J. A.** Diarrhoeal diseases in French North Africa. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 3, 23–6.—**Schwartz, H. G.**, & **Roulhas, G. E.** Cranio-cerebral war wounds. Ibid., 22.—**Sherman, W. B.**, & **Dunham, C. D.** A type of fever of unknown etiology observed in North Africa. Ibid., **2**: 91–3.—**Short, C. L.** Rheumatoid arthritis in a general hospital. Ibid., **1**: No. 2, 10–2.—**Stock, A. H., Tribby, W. W.**, & **Ashute, A.** Field studies in bacillary dysentery in U. S. military personnel and civilians in North Africa and Italy; pathogenicity of a new serologic type of dysentery bacillus (T–2nd Med. Lab. or Lavington I or etousa. J. Infect. Dis., 1947, **81**: 65–7.—**Tetanus** in North Africa. South. M. J., 1943, **36**: 316.

—— North Africa—Medical organization and service.

BRAUER, J. C. History (Annual report) of Medical Section, NAT of Operations of U. S. Army, 1943; dentistry. MS. 6p. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

HANSON, F. R. Combat psychiatry; experiences in the North African and Mediterranean Theaters of Operation, American Ground Forces, World War II. 216p. 23½cm. Wash., 1949.

Forms Suppl. to v.9, Bull. U. S. Army M. Dep.

Bernhard, F. Notes from a psychiatric social worker in North Africa; use of individual and group techniques. News Lett. Am. Ass. Psychiat. Social Work., 1943–44, **13**: 75.—**Blanchfield, F. A.** Evacuation hospital in North Africa. Am. J. Nurs., 1943, **43**: 625.—**Brod, J.** Lékařské zkušenosti z války v sev. Africe a v Italii. Cas. lék. česk., 1946, **85**: 1467; 1518; 1546, illust.—**Cameron, A. J.** Ophthalmic work in a British general hospital in North Africa. Brit. J. Ophth., 1945, **29**: 26–37.—**Cowan, E. W.** North African-Italian Theater. Mil. Surgeon, 1945, **96**: 142–5.—**Dental** service in North Africa. Oral Hyg., Pittsb., 1943, **33**: 1392.—**Donald, C.** With the Eighth Army in the field. Brit. M. J., 1944, **1**: 709; passim.—**Gordon, J. E.** [Operation Torch, destined for assault on North Africa] In: Prev. Med. in World War II, Wash., 1948, **1**: 9.—**Hashinger, E. H.** An evacuation hospital at the front. Mil. Rev., Fort Leavenw., 1944, **24**: No. 3, 68–71.—**Hunt, T. C.** Medical experiences in North Africa, 1943–44, Brit. M. J., 1944, **2**: 495–8.—**Ireland, P. E.** Report of the Ear, Nose and Throat Department No. 15 Canadian General Hospital, North Africa. J. Canad. M. Serv., 1943–44, **1**: 98–101.—**Kenner, A. W.** Medical service in the North African Campaign. Bull. U. S. Army M. Dep., 1944, No. 76, 76; No. 77, 72. Also Mil. Rev., Fort Leavenw., 1944, **23**: No. 11, 5–10.—**Lombard, P.** L'organisation de la transfusion sanguine en Afrique du Nord. Afrique fr. chir., 1943, **1**: 303.—**Long, P. H.** Medical problems in the North African and Mediterranean Theaters of Operations. Proc. Am. Drug Manuf. Ass., 1946, **34**: 45–60.—**On** the North African front; Allied medical units follow combat forces at blitzkrieg pace. Med. Econom., 1942–43, **20**: No. 7, 38; 93.—**Operating** in a tent hospital in North Africa [Illust.] Pharm. Advance, 1942–43, **14**: No. 161, 6.—**Pacey, K. C., Bleackley, J. R.**, & **Martine, W. R.** Compo-cookery in a casualty clearing station with the British North African Forces. J. R. Army M. Corps, 1943, **81**: 231–8.—**Pyle, E.** Tribute paid to medical profession. Bull. Chicago M. Soc., 1942–43, **45**: 751.—**Sicé, A.** Les services sanitaires et chirurgicaux des Forces françaises libres pendant les campagnes dans le désert, 1941–45. Bruxelles méd., 1948, **28**: 2043–53.—**Wilbur, B. M.** Nursing activities in the NAT of operations. Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 2, 28.

—— North Africa—Sanitation.

Diamond, W. J. Water supply in North Africa. Mil. Engin., 1943, **35**: 565.—**Disease** prevention in North Africa. J. Am. M. Ass., 1943, **122**: 605.—**Eisenhower, M. S.** The relevance of food at the time of occupation; conditions in North Africa. J. Am. Diet. Ass., 1943, **19**: 265.—**Goepfert.** Water-supply in NAT of Operation. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 212.—**Lapage, G.** The hygiene of the Eighth Army in North Africa.

Nature, Lond., 1944, **153**: 688.—**North** Africa not a health resort for armies. What's New, North Chic., 1943, No. 67, 11.

—— North Africa—Surgical aspect.

Doctors operate under shellfire. J. Am. M. Ass., 1943, **123**: 359.—**Lindsey, M.** Nursing problems on a traumatic thoracic surgical service in a theater of operations. Med. Bull. North Afr. Theater U. S., 1944, **2**: 53–5.—**Rohlf, E. L., & Snyder, J. M.** Surgical experiences with abdominal wounds in the North African campaign. Surg. Gyn. Obst., 1944, **79**: 286–96.—**Surgical** lesson from Africa. Bull. San Diego Co. M. Soc., 1943, **29**: 151. Also What's New, North Chic., 1943, No. 70, 10.

—— North Africa—Transactions of German forces.

Germany. Oberkommando des Heeres [Heeres-Druckvorschrift] H. Dv. 1a. Anh. 2. Merkblatt 53d/56: Der Arzt im Nahen Osten und in Nordafrika. 96p. 21½cm. Berl., 1942.

Skalweit, W. Erfahrungsbericht über Vitamin B_1-Mangelstörungen bei den deutschen Truppen der ehemaligen Panzerarmee Afrika, neuritisches Beriberi-Syndrom, vom Februar 1943. 19 l. 30cm. n. p., 1945.

Eurafrika und der gegenwärtige Krieg. Europ. Rev., Stuttg. 1943, **19**: 118–21.—**Horster.** Influence of climate and kind of nutrition of German soldiers in North Africa. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 8, 167–9.—**Kaemmerer.** Cardiac findings among soldiers of the Africa Corps. Ibid., 169.—**Ludwig, V.** Die afrikanische Burmastrasse. Mil. Wbl., Berl., 1942, **127**: 367.—**Mohr, W.** Wurminfektionen bei den rückgekehrten Afrika-Deutschen; Beobachtungen im Tropeninstitut in den Jahren 1936–40. Trop. Dis. Bull., Lond., 1942, **39**: 859–61 (Abstr.)

—— Northern Europe.

See also subheading (European Theater of Operations)

Pearson, R. W., Tuhy, J. E., & Welch, C. S. Abdominal surgery in the evacuation hospital; experience with 335 abdominal injuries in the campaign in Northern Europe. Surgery, 1947, **21**: 1–23.

—— Northern Ireland.

Evrard. Evacuation par air des blessés et malades des brigades belges d'Irlande du Nord. Arch. Serv. san. Armée belge, 1945, No. 11, 56–8.—**United States** Naval Operating Base at Londonderry, Northern Ireland. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 41.

—— North Italy.

See also subheading (Gothic Line; Italy)

Gillingham, F. J. Neurosurgical experiences in Northern Italy. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 80–7.

—— Northwest Africa.

Great Britain. Army. NATOUSA-Official medical history of the War, United Kingdom Campaign in North-West Africa, November 1943–May 1943. MS. 68p. n. p., after May 1943.

MS. in Histor. Div. SGO U. S. Army.

—— Northwest Europe.

See also subheadings (Europe; European Theater of Operations)

Evans, R. G. An outline of the role of the medical services in the Second (British) Army's campaign in North-West Europe (1944–45) J. R. Army M. Corps, 1947, **88**: 47; passim.—**Experiences** with a field dressing station; Northwest Europe. J. Canad. M. Serv., 1946–47, **4**: 142–6.—**Hunter, M.** Hygiene problems of the campaign in North-West Europe, 1944–45; a review. J. R. Army M. Corps, 1947, **88**: 1–21.—**Rowbotham, G. F., & Whalley, N.** A series of wounds of the head from the battle front of North-west Europe. Brit. J. Surg., War Surg. Suppl., 1947, No. 1, 87–90.—**Small, J. M., & Turner, E. A.** A surgical experience of 1,200 cases of penetrating brain wounds in battle, N. W. Europe, 1944–45. Ibid., 62–74.—**Stewart, D. D.** Air evacuation in North-West European Campaign. Lancet, Lond., 1945, **2**: 270–3.

—— Northwest Service Command.

Manning, F. G. Preventive medicine in the Northwest Service Command, Northwest Division, United States Engineer Department and Northwest District, Sixth Service Command. 273p. 27½cm. Wash., 1948.

Forms v.8, Prev. Med. in World War II, Wash.

[**Early** (The) history of the Northwest Service Command] In: Prev. Med. in World War II, Wash., 1948, **8**: 1–35.—**Northwest** Service Command installations requiring maintenance & operation [map] Ibid., after p.273.

—— Norway (1940–1945)

See also **Occupied area**—by regions: Norway.

Curtis, M. Norway and the war, Sept., 1939–Dec., 1940. 154p. 24½cm. Lond., 1941.

Evang, K. Norway's food in peace and war. 77 l. 35½cm. Wash., 1942.

United States. War Department. Technical bulletin TB MED 29: Medical and sanitary data on Norway. 38p. 26cm. Wash., 1944.

Drury, G. B. With a British hospital in Norway. Brit. Dent. J., 1944, **77**: 286.—**Kreyberg, L.** First day of the Norwegian Campaign. Interne, N. Y., 1941, **7**: 726, &c. ——— Militaert Kosthold ved norske avdelinger i Canada og på Island, 1940–41. Tskr. Norske laegeforen., 1946, **66**: 506–10.—**Lov** om vern om praksis for laeger, tannlaeger og veterinaerer som gjør militaer tjeneste i Norge eller andre steder med regjeringens godkjennelse. Tskr. Norges laegeforb., 1943, **63**: 141.—**Parrisius, W., Lampe, G.** [et al.] Erfahrungen während einer Trichinose-Epidemie. Bull. Hyg., Lond., 1942, **17**: 872–4 (Abstr.)—**Perman, E.** Krigskirurgiska framsteg under innevarande krieg. Nord. med., 1945, **25**: 472–8.—**Saethre, H.** Psychiatrische Spitalerfahrungen aus dem Krieg in Norwegen, Schweiz. med. Wschr., 1942, **72**: 275 (Abstr.) ——— Psychiatrische Erfahrungen aus Lazaretten während des Krieges in Norwegen mit besonderer Berücksichtigung der essentiellen Situationspsychosen. Vjschr. schweiz. Sanitätsoff., 1943, **20**: 132 (Abstr.)

—— Noumea.

See with subheading (New Caledonia; South Pacific)

—— Oahu.

See also subheadings (Barbers Point; Hawaii)

Strode, J. E. Observations on the treatment of war wounds made at Tripler General Hospital, Fort Shafter, Honolulu. Hawaii M. J., 1941–42, **1**: 158–61.—**Weatherby, F. E.** War neuroses after air attack on Oahu, Territory of Hawaii, Dec. 7, 1941. War Med., Chic., 1943, **4**: 270. ——— The use of the medical service of a fixed hospital in the air attack on Oahu, Hawaiian Islands, December 7, 1941. Mil. Surgeon, 1944, **94**: 95.

—— Okinawa (March–June 1945)

See also other subheadings (Central Pacific)

Kaufman, M. R. Report of neuropsychiatric observer in the Okinawa Operation. MS. 38p. n. p., before May 1945.

MS. in Histor. Div. SGO U. S. Army.

Markey, O. B. Neuropsychiatric history of the Okinawa Campaign. MS. 15p. n. p., before Oct. 1945.

MS. in Histor. Div. SGO U. S. Army.

Bean, W. B., Henderson, C. R. [et al.] Casualties from Okinawa; rations. In: Prev. Med. in World War II, Wash., 1948, **10**: 180.—**Beck, R. R.** With the Army on Okinawa. Mil. Surgeon, 1945, **97**: 232–4.—**Benjamin, E. L.** Report of two hundred necropsies on natives of Okinawa. U. S. Nav. M. Bull., 1946, **46**: 495–500.—**Christensen, H. W.** Burns in Naval personnel at Okinawa. Wisconsin M. J., 1947, **46**: 1022–4.—**Coakley, C. S.** Anesthesia experiences in a marine evacuation hospital on Okinawa. Med. Ann. District of Columbia, 1946, **15**: 110–5.—**Devine, J. W.,** jr, & **Farr, H. W.** The neurosurgical management of wounded in the Okinawa Campaign. Mil. Surgeon, 1948, **103**: 202–7.—**McKay, E. D.** Ophthalmology and otolaryngology in the Okinawan Campaign. Texas J. M., 1948–49, **44**: 330–2.—**Martin, W. B.** Clinical experience with snake bites on Okinawa. Bull. U. S. Army M. Dep., 1946, **5**: 79–82.—**Moloney, J. C.** Psychiatric observations in Okinawa Shima. Psychiatry, 1945, **8**: 391–9.—**Navy** casualties during the Battle of Okinawa. Statist. Navy M., 1949, **5**: No. 9, 2–5.—**Okinawa.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 12, 1–68.—**Sabin, A. B.** Epidemic encephalitis in military personnel; isolation of Japanese B virus on Okinawa in 1945, serologic diagnosis, clinical manifestations, epidemiologic aspects and use of mouse brain vaccine. J. Am. M. Ass., 1947, **133**: 281–93.—[**Special** augmented hospital, Okinawa] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 59–65.

—— Oran (1940–1942)

See also subheadings (Algeria; Northwest Africa)

United States Naval Base Hospital No. 9, Oran. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 15.—**United States** Naval Dispensary, U. S. Naval Station, Oran. Ibid., 25.

—— Pacific.

See also other subheadings (Central Pacific; Middle Pacific; South Pacific; Southwest Pacific; Western Pacific)

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 6: Health and disease in the Japanese mandated islands and Guam. 8p. 27cm. Orlando, 1944.

United States. War Department. Technical bulletin TB MED 83: Medical and sanitary data on the Izu, Bonin, Kazan, and Marcus Islands. 18p. 26cm. Wash., 1944.

—— TB MED 189: Medical and sanitary data on the Gilbert and Ellice Islands, Ocean Island, and Nauru. 24p. 27cm. Wash., 1945.

Allied (The) offensive in the Pacific. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: pt 2, Chap. 3–10, 344p.—**Baum, W. C.** Letter from Pacific war area. Univ. Hosp. Bull., Ann Arb., 1944, **10**: 22.—**Japanese** attacks and reversals of the allies in the Pacific. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: pt 1, Chap. 1–2, 56p.—**Jiu-jitsu** en el Pacífico. Rev. mil. Perú, 1942, **39**: 428–40.—**Stalker** (Dr) reports. Diplomate, 1943, **15**: 317.—**Stein, J. J.** Combat experience in the Pacific areas. Med. Bull. Veterans Admin., 1944–45, **21**: 177–87.

—— Pacific—Air Force.

Bowman, R. A., jr. To report on field trip and observation of air evacuation activities in the Pacific Division of ATC from 16 October 1945 to 9 November 1945. 3p. 27cm. Dayton, 1946.

Forms No. TSEAA–4–698–38A, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Advanced base dispensaries; Air Forces. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 88–94.—**Staff** Medical Office of Air Center Command, Pacific. Ibid., Chap. 13, App. A, 5.

—— Pacific—Casualties and diseases.

Wheeler, K. We are the wounded. 224p. 21½cm. N. Y., 1945.

Butler, F. A. Skin disease of unknown etiology. Bumed News Lett., Wash., 1945, **5**: No. 1, 24.—**Clavero, G.** Filariasis en las fuerzas armadas americanas del Pacífico. Rev. san., Madr., 1945, **19**: 904–7.—**Evans, H. S.** Some psychiatric notes on the war in the Pacific. Ohio M. J., 1946, **42**: 145–9.—**Fowler, C. D.** A malarial study on Island X in the Pacific. Bull. Fulton Co. M. Soc., 1945, **19**: No. 8, 7.—**Hamlin, H.** Experience with brain injuries in the Pacific. U. S. Nav. M. Bull., 1944, **42**: 822–8.—**Hardt, H. G.**, jr. Wounds of the chest in Pacific jungle warfare; a review of 32 cases. Arch. Surg., 1944, **49**: 367–72.—**Holman, E.** Experiences with chest wounds from the Pacific combat area. Ann. Surg., 1944, **119**: 1–25.—**Keck, E. B.** Treatment of the wounded in the Pacific. Rec. Columbia M. Soc. Richland Co., 1944, **8**: No. 10, 9; No. 11, 10.—**Moriarty, J. D.** A survey of 5,000 psychotic patients evacuated to a U. S. naval hospital from the Pacific; and a rehabilitation program) Dis. Nerv. Syst., 1947, **8**: 27–9.—**Most, H., Hayman, J. M.**, jr, & **Wilson, T. B.** Hookworm infections in troops returning from the Pacific. Am. J. M. Sc., 1946, **212**: 347–50.—**Neel, H. B.**, & **Cole, J. P.** Gas gangrene in amphibious warfare in the Pacific Area. Am. J. Surg., 1944, **66**: 290–9. ——— Bacteriology of war wounds in the Pacific area. U. S. Nav. M. Bull., 1945, **45**: 1127–30.—**Norcross, N. C.** Operative experiences on wounds of peripheral nerves from the Pacific combat area; a preliminary report based on 50 cases. Bull. Am. Coll. Surgeons, 1943, **28**: 127.—**Pratt, G. A.** Cirugía naval en el Pacífico; avance de la cirugía general en la segunda guerra mundial. Villaclara méd., 1946, **14**: 188.—**Raine, F.**, & **Jennison, D. B.** Thoracic casualties from an island campaign in the Pacific. J. Thorac. Surg., 1948, **17**: 91–8.—**Resch, F.** Care of civilian casualties in the Pacific. Hosp. Corps Q., 1945, **18**: 6.—**Reynolds, L. R.** War injuries to the genito-urinary tract; a brief review of the type of injuries observed in one U. S. Naval base hospital in the Pacific. J. Urol., Balt., 1945, **53**: 419–21.—**Rogers, W. L.**, & **Holman, E.** The care of thoracic wounds as adapted to the Pacific Theater. U. S. Nav. M. Bull., 1945, **45**: 711–6. ——— Penetrating wounds of the chest in the Pacific area; an analysis of 180 cases. Tr. Am. Surg. Ass., 1946, **64**: 1076–81.—**Sofield, H. A.** Common types of low back pain in U. S. Army in the Pacific. J. Mil. M. Pacific, 1946, **2**: 13–26.—**Zeligs, M. A.** War neurosis; psychiatric experiences and management on a Pacific island. War Med., Chic., 1944, **6**: 166–72.

—— Pacific—Medical organization and service.

Adams, D. M. The collecting company in combat on Pacific atolls. Bull. U. S. Army M. Dep., 1945, No. 84, 106–9.—**Advanced** base dispensaries; Amphibious Forces, Pacific Fleet. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 94–8.—**Advanced** base dispensaries; Service Forces. Ibid., 79.—**Advanced** (The) base Naval dispensary. Ibid., 81–6.—**Atsatt, R. F.** The medical organization of a Pacific base. Hosp. Corps Q., 1944, **17**: No. 5, 57–60.—**Dispensaries** associated with an industrial establishment. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 74.—**Duties** assigned to the Medical Department of the Staff of the Commander, Administrative Command, Amphibious Forces, U. S. Pacific Fleet. Ibid., Chap. 13, App. A, 2.—**Duties** of the Force Surgeon, Amphibious Force, Pacific Fleet, 1942. Ibid., 1.—**Duties** of Staff Medical Office of Commander Cruisers, Destroyers; Administrative Center, Pacific Fleet. Ibid., 3.—**Fourteenth** Naval District dispensaries. Ibid., Chap. 14, 68–79.—**G** components. Ibid., 80.—**Greaves, F. C.** The health services program in the Trust Territory of the Pacific Islands. U. S. Nav. M. Bull., 1948, **48**: 925–40.—**Hillman, C. C.** Medical operations in the Pacific theatres. Virginia M. Month., 1943, **70**: 594–7.—**Leigh, T. F.** Army hospital in the Pacific; a camera view of service overseas. Med. Econom., 1942–43, **20**: No. 4, 45–9.—**Medical** installations in the Pacific. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 1–106.—**Medical** supplies; Pacific Naval supply handbook December 1945. Ibid., Chap. 16, 24.—**Michael, W. H.** Naval medicine in the Pacific War. Hygeia, 1945, **23**: 672–5.—**Naval** dispensaries in the Pacific during World War II. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 66–106.—**Organization** of Staff Medical Office, Administrative Command, Amphibious Forces, Pacific Fleet. Ibid., Chap. 13, App. A, 1.—**Organization** of Staff Medical Office, Submarine Force, Pacific Fleet. Ibid., 5.—**POA** personnel. In: Prev. Med. in World War II, Wash., 1948, **10**: 47–68.—**Smith, G. W.** Medical problems in the Pacific. J. Kansas M. Soc., 1944, **45**: 37–45.—**Willis, J. M.**, & **Menaker, G. J.** Medical aspects of amphibious operations in Pacific Ocean areas. Bull. U. S. Army M. Dep., 1945, **4**: 61–8.

—— Pacific—Sanitation.

McCay, C. M. Food supplies, messing and native feeding at advanced bases in the Pacific, 8 December 1945 to 1 March 1946. 40p. 26½cm. Bethesda, 1946.

Forms Rep. No. 13, Res. Proj. X–184, U. S. Nav. M. Res. Inst.

United States. Army. Surgeon General's Office. Historical Division. A history of preventive medicine ... in World War II. v.**10**: United States Army Forces, Middle Pacific. 235p. 27½cm. Wash., 1948.

United States. War Department. Technical manual, TM 10–420: Emergency food plants and poisonous plants of the islands of the Pacific. 149p. 17cm. Wash., 1943.

Preventive medicine program for the Pacific Ocean area. In: Prev. Med. in World War II, Wash., 1948, **10**: 15–21.

—— Palau (1944)

See also subheading (Caroline Islands)

United States. War Department. Technical bulletin TB MED 41: Medical and sanitary data on the Palau Islands. 16p. 26cm. Wash., 1944.

Control of insects; Palau Islands. In: Prev. Med. in World War II, Wash., 1948, **5**: 21.—**Health** of the native population of Palau and Yap, 1946. Statist. Navy M., 1948, **4**: No. 4, 8.—**Southern** (The) Palaus. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 9, 1–22.

—— Palestine.

See also subheading (Middle East)

Black, J. M. Experiences of war surgery at a 600-bedded general hospital in Palestine, November 1940 to August 1941. J. R. Army M. Corps, 1945, **84**: 175–83.

—— Panama Canal.

See also **Venereal disease**—by countries: Canal Zone; also subheadings (Ancon; Caribbean defense)

Cox, W. C. The prevention of disease in the United States Army during World War II; the Panama Canal Department. 4v. in. 2. [size varies] 27½–32cm. Wash., 1948.

Forms v.11 & 12, Prev. Med. in World War II, Wash.

United States. Army. Caribbean Defense Command. Panama Engineer Division. Medical Section. Sanitary regulations [Reprint] 46p. 27cm. Wash., 1948.

Forms Exh. B, Chapt. 19, pt 3, v.11, Prev. Med. in World War II, Wash., 1948.

United States. Army. Panama Canal Department. Professional history of internal medicine in World War II, 1 January 1940 to 1 October 1945; the Panama Canal Department. MS. 2v. 316p. paged continuously. n. p., before July 1946.

MS. in Histor. Div. SGO U. S. Army.

Williams, W. T. Dental history, Panama Canal Department. MS. 39p. n. p., before May 1945.

MS. in Histor. Div. SGO U. S. Army.

Control of malaria in the Panama sector. In: Prev. Med. in World War II, Wash., 1948, **11**: pt 2, 31–40.—**Cox, W. C.** [The health of the troops, the Panama Canal Department] Ibid., 1. ——— Nutrition; the troops in the Panama Canal Department. Ibid., 11–4.—**Drainage** survey, malaria control, Panama Canal Department. Ibid., **12**: Exh. A, 1–171; Exh. B, 1–65; Exh. C, 1–42.—**Giblin.** The Canal Zone defense area. Red Cross Courier, 1941–42, **21**: No. 12, 19.—**Harrell, W. B., & Wilson, R. O.** Ruptured peptic ulcer among U. S. troops in Panama; report of 10 cases. Mil. Surgeon, 1945, **96**: 336–42.—**Naval** Hospital, Balboa, Canal Zone. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 81.

—— Papua (1942–1943)

See with subheading (New Guinea)

—— Paracel Islands (1939–1945)

United States. War Department. Technical bulletin TB MED 152; medical and sanitary data on Paracel Islands. 8p. 27cm. Wash., 1945.

—— Paris.

See also subheading (France)

Divisia. F. *La lutte contre les effets des bombardements aériens à Paris; organisation de la défense passive à l'Hôtel-Dieu. 48p. 23½cm. Par., 1939.

Darnall, J. R. Fixed hospitals follow the breakthrough to Paris. Mil. Surgeon, 1947, **101**: 271–81.—**Gordon, J. E.** Theater headquarters in Paris. In: Prev. Med. in World War II, Wash., 1948, **1**: 20–2.—**Prelat, P.** Ophthalmology in Paris during the war. Am. J. Ophth., 1945, **28**: 1088–111.

—— Pearl Harbor.

See also subheading (Hawaii)

Craft, W. E. Medicine in the war. Merck Rep., 1942, **51**: No. 2, 24–6.—**Gray, G. W.** Preparedness at Pearl Harbor. In his Science at War, 3. ed., N. Y., 1943, 203–6.—**McClain, M.** A dental wife tells of Pearl Harbor. Oral Hyg., Pittsb., 1942, **32**: 1480–2.—**Medical** victory at Pearl Harbor. California West. M., 1942, **56**: 90. Also Health, Mount. View, 1942, **9**: No. 8, 9.—**Michael, W. H.** Medical action at Pearl Harbor. Harpers Mag., 1942, Aug., 270–4.—**New** medicine for war. Pittsburgh M. Bull., 1942, **31**: 654–8.—**Pinkerton, F. J.** Wartime experiences in Hawaii after the blitz on Pearl Harbor. J. Am. M. Ass., 1944, **126**: 625–30.—**Trial** by battle at Pearl Harbor. What's New, North Chic., 1943, No. 56, 9.

—— Pearl Harbor—Casualties and diseases.

Ravdin, I. S., & Long, P. H. Some observations on the casualties at Pearl Harbor. MS. 9p. n. p., after Dec. 7, 1941.

MS. in Histor. Div. SGO U. S. Army.

—— The problems of the Hickam Station Hospital, the Tripler General Hospital, and the Schofield Station Hospital. MS. 18p. n. p., after Dec. 7, 1941.

MS. in Histor. Div. SGO U. S. Army.

—— The treatment of Army casualties in Hawaii. MS. 10p. n. p., after Dec. 7, 1941.

MS. in Histor. Div. SGO U. S. Army.

Battle casualties in the Pearl Harbor attack. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 5.—**Eckert, G.** War wounds. Rhode Island M. J., 1943, **26**: 45.—[**Epidemics** in the Pearl Harbor area] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 9.—**Hayden, R H.** What was done for the wounded. Red Cross Courier, 1941–42, **21**: No. 12, 23.—**Moorhead, J. J.** War wounds. Am. J. Surg., 1942, **56**: 338–40. Also in War Med. Sympos. (Pugh, W. S.) N. Y., 1942, 24–6. Also Bol. Of. san. panamer., 1942, **21**: 671–5. ——— Reports surgical experience at Pearl Harbor on December 7; surgeon says postoperative mortality rate was only 3.8 per cent in a large group of seriously wounded victims. Bull. Fulton Co. M. Soc., 1942, **16**: No. 8, 8–10. ——— The lesson for hospitals from Pearl Harbor. Hosp. Progr., 1942, **23**: 283–5. ——— Surgical experience at Pearl Harbor. J. Am. M. Ass., 1942, **118**: 712–4. ——— Outline of treatment in war injuries; Tripler General Hospital [Honolulu] surgical service. Pennsylvania Health, 1942, **3**: 35–9. ——— Surgeon in Hawaii. Time, 1942, **39**: Jan., No. 3, p. 37.—**Radvin, I. S., & Long, P. H.** The treatment of Army casualties in Hawaii. Army M. Bull., 1942, No. 61, 1–8. ——— Report on the status of chemotherapy and the results of its use at Pearl Harbor. Minutes Subcom. Surg. Inf. (NRC) Wash., 1942, 1–5. ——— Some observations on the casualties at Pearl Harbor. U. S. Nav. M. Bull., 1942, **40**: 353–8.—**Surgical** experience at Pearl Harbor on December 7. California West. M., 1942, **56**: 363.—**War** casualties at Pearl Harbor. J. Am. M. Ass., 1942, **120**: 1217.

—— Pearl Harbor—Naval forces.

Eckert, G. A., & Mader, J. W. The Solace in action. U. S. Nav. M. Bull., 1942, **40**: 552–7.—**Frates, F. E.,** jr. Pearl Harbor through the South Pacific. J. Dent. Soc. N. York, 1945, **11**: 3–12.—**Gendreau, E. A. M.** First hand lessons at Pearl Harbor. Army M. Bull., 1942, No. 61, 9–12.—**Harrison, F. M.** Psychiatry aboard a hospital ship during the attack on Pearl Harbor. War Med. Chic., 1945, **8**: 238–43.—**Hayden, R.** Activities of the naval hospital at Pearl Harbor following the Japanese air raid of December 7, 1941; comments on the care of battle casualties. Am. J. Surg., 1943, **60**: 161–81. ——— Experiences at the Naval Hospital, Pearl Harbor, during and after the Japanese air raid of December 7, 1941. J. Internat. Coll. Surgeons, 1943, **6**: 259–69. Also Spanish transl., Rev. mil., La Paz, 1944, **8**: 700–10.—**Henry, T. R.** Heroic and fruitful chapter in Navy medicine written in Pearl Harbor's grueling stress. Sunday Star, 1942, Jan. 4.—**Internal** organization; Naval hospitals at Pearl Harbor. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 17–34.—[**Neuropsychiatric** section of the Pearl Harbor (Navy Yard) Hospital] Ibid., 21.—**Pearl** Harbor. Ibid., Chap. 1, 1–33.—**Pearl** Harbor hospitals, 1942–45. Ibid., **2**: Chap. 14, 1–35.—**Reception,** admission, and evacuation of patients. Ibid., 15–7.—**Success** (The) of Navy medicine at Pearl Harbor. Ibid., 1: Chap. 1, 29–31.—**Supplies;** the hospitals in the Pearl Harbor area. Ibid., **2**: Chap. 14, 13–5.—**U. S.** Naval Hospital, Pearl Harbor. Ibid., **1**: Chap. 1, 12–20.—**United** States Naval Hospital, Pearl Harbor, T. H.; report of activities, December 7, 1941. Hawaii M. J., 1941–42, **1**: 162–4.—**United** States Naval Receiving Station Dispensary, Navy, Number 128 (Pearl Harbor) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 71–4.—**Winters, S. R.** Pearl Harbor; a victory for Navy doctors. Hygeia, Chic., 1942, **20**: 342.

—— Persian Gulf Command.

See also subheadings (Iran; Iraq)

Pentlarge, V. H., jr. History of the Persian Gulf Command; Medical Department. MS. 57p. n. p., after 1941.

MS. in Histor. Div. SGO U. S. Army.

Heat reactions in the Persian Gulf Command. Air Surgeon Bull., 1945, **2**: 247.—**Stewart, W.** Effects of heat with special reference to its occurrence in British troops in the Persian Gulf area in 1941–42. J. R. Army M. Corps, 1948, **90**: 178–93.

—— Philippine Islands.

See also other subheadings (Bataan; Corregidor; Leyte-Samar Campaign; Luzon; Manila Bay; Visayas-Mindanao area)

Cooper, W. E. Medical Department activities in the Philippines from 1941 to 6 May 1942, and including medical activities in Japanese prisoner of war camps. 149p. 26½cm. Wash., 1946.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 9: Health and disease in the Philippine Islands. 8p. 27cm. N. Y., 1944. Also Revised ed., Orlando, 1944.

United States. War Department. Technical bulletin TB MED 68: Medical and sanitary data on Philippine Islands. 85p. 26cm. Wash., 1944.

Camerer, C. B. The Medical Department of the U. S. Navy in the Philippines. Mil. Surgeon, 1943, **93:** 339–52.—**Cheever, F. S.** Dysentery outbreak aboard naval vessels in San Pedro Bay, Philippine Islands. U. S. Nav. M. Bull., 1946, **46:** 479–94.—**Clarke, A. R.** An Army nurse returns to the Philippines. Am. J. Nurs., 1945, **45:** 177. ——— Guerrilla nurse; the story of a nurse who served with the Philippine Army. Ibid., 598–600.—**Conway, H.** Anaerobic infection and gangrene of war wounds in casualties from the Philippine Islands. Surgery, 1946, **19:** 553–61. ——— **& Coldwater, K. B.** Battle casualties from the Philippine Islands; summary of experience with four thousand and forty cases. Ibid., **20:** 482–92.—**Cooper, W. E.** The medical field service, Philippine Campaign. In his Med. Dept. Activ. Philippine, Wash., 1946, 19–37. ——— Hospitalization in the Philippines. Ibid., 47–78. ——— The medical service, Mountain Province. Ibid., 89–92. ——— Medical activities with the guerrillas. Ibid., 144–9.—**Experiences** of hospitals in war offer dramatic picture at AHA; Capt. Florence MacDonald's story of suffering in Philippines wrings hearts of listeners. Hosp. Management, 1942, **54:** No. 5, 22.—**Feeney, R. E.** Wound bacteriology in the Philippines. Mil. Surgeon, 1947, **100:** 514–8.—**Gressitt, J. L.** The war and science in the Philippines. Science, 1945, **102:** 537.—**Moultrie, M. L.** My Philippine experiences. J. M. Ass. Georgia, 1942, **31:** 401.—**Philippines** (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 10, 1–48.—**Potenciano, P. G.** Practice of medicine during the Japanese occupation of the Philippine Islands. Air Surgeon Bull., 1945, **2:** 450.

—— Poland.

See also **Occupied area**—by regions: Poland.

United States. War Department. Technical bulletin TB MED 176: Medical and sanitary data on Poland & Danzig. 38p. 26cm. Wash., 1945.

Bendarzewski, S. Nowe osiągnięcia chirurgii polowej i klinicznej. Lek. wojsk., 1949, **25:** 154–80.—**Dębicki, K.** Leczenie ran wojennych oparte na doświadczeniu z Frontu Zachodniego. Polski przegl. chir., 1949, **21:** 207–22.—**Długosz, H.** Schorzenia wśród zolnierzy polskich w Szkocji, na podstawie materjału Izby Chorych jednego z obozów w lecie 1940. Lek. wojsk., Edinb., 1942, **34:** 48–52.—**Jedlewski, B.** Trosce o zdrowie kraju. Ibid., 222–5.—**Jurasz, A. T.** Former and post-war health problems in Poland. Ibid., 1945, **36:** 95–103.—**Krotkow, T.** Zagadnienia higieny wojskowej w drugiej wojnie swiatowej. Ibid., 90–7.—**Szarecki, B.** Parę uwag chirurgicznych na marginesie doświadczeń i osiągnięć służby zdrowia w II wojnie światowej. Lek. wojsk., 1949, **25:** 17–19.

—— Polish German Campaign (1939)

Daldrup, F. Mit einem Feldlazarett in Polen. Zschr. ärztl. Fortbild., 1940, **37:** 86–8.—**Dyes.** Röntgenologische Erfahrungen aus Warschau. Med. Klin., Berl., 1940, **36:** 574 (Abstr.)—**Hartleben, H.** The organization of the medical service of the German Army and its employment in the campaign against Poland. Mil. Surgeon, 1940, **87:** 401–9. Also Rev. san. mil., Habana, 1940, **4:** 308–15.—**Hoche, O.** Wehrchirurgische Erfahrungen an Verwundeten des deutschpolnischen Feldzuges 1939 in einem Reservelazarett. Med. Klin., Berl., 1940, **36:** 291–3.—**Moritsch, P.** Erfahrungen während des Einsatzes des Feldlazarettes im Polenkrieg. Deut. Militärarzt, 1940, **5:** 110–7. Also Med. Klin., Berl., 1940, **36:** 574 (Abstr.)—**Reichold, W.** Erfahrungen einer Sanitätskompanie in Polen. Deut. Militärarzt, 1940, **5:** 109. Also Med. Klin., Berl., 1940, **36:** 574 (Abstr.)—**Rogalski, S.** La industria aeronáutica y el arma aérea polaca en la guerra alemana-polaca. Rev. mil., B. Air., 1943, **43:** 181–8.—**Schredl, L.** Als Chirurg bei einer bespannten Sanitätskompanie in Polen. Chirurg, 1940, **12:** 486–90. Also Münch. med. Wschr., 1940, **87:** 1123 (Abstr.)—**Storck.** Erlebnisse als Arzt im Polenfeldzug. Klin. Wschr., 1940, **19:** 454. Also Münch. med. Wschr., 1940, **87:** 440.—**Strumienski, S.** Z doświadczeń niemieckiej służby zdrowia w czasie kampanii przeciw Polsce. Lek. wojsk., 1942, **34:** 52–5.—**Wahlstab.** Als Sanitätsoffizier im Polenkriege. Deut. Aerztebl., 1940, **70:** 38.—**Wildegans, H.** Kriegschirurgische Erfahrungen im polnischen Feldzuge. Deut. med. Wschr., 1940, **66:** 343–7. Also Verh. Berl. med. Ges. (1940) 1941, **71:** No. 15, 1–12. Also Deut. Militärarzt, 1940, **5:** 562 (Abstr.) Also Klin. Wschr., 1940, **19:** 287.—**Wolff, U.** Kriegserfahrungen in einem Feldlazarett. Münch. med. Wschr., 1941, **88:** 321–4.—**Wortis, S. B.** [Extermination of medical men and destruction of hospital facilities] In: Med. Miss. Poland (Am. Unitar. Serv.) N. Y., 1949, 43–8.

—— Polish-German Campaign—Casualties and diseases.

Gantenberg, R. Ruhr aus dem Polenfeldzug. 17p. 24cm. Stuttg., 1940.
Forms No. 6, Vortr. prakt. Med.

Hippke, E., Dowalzig, H. [et al.] Transportation of wounded by airplane in the Polish-German war. v.p. 27cm. Wash., 1940.

Air transportation of wounded in the German campaign in Poland. U. S. Nav. M. Bull., 1941, **39:** 416.—**Assmann.** Erfahrungen über Ruhr in polnischen Feldzug. Med. Klin., Berl., 1940, **36:** 692. Also Münch. med. Wschr., 1940, **87:** 872.—**Auftreten** (Das) von Tetanus im Polenfeldzuge. Deut. Aerztebl., 1940, **70:** 401.—**Casualty** evacuation by airplane, German-Polish War, 1939. Army M. Bull., 1940, **53:** 1–10.—**Gantenberg, R.** Ruhr aus dem Feldzug in Polen 1939. Deut. med. Wschr., 1939, **65:** 1789; 1820. Also Nord. med., 1941, **11:** 2722.—**Gasteiger, H., & Schmidt, M.** Ueber einige Beobachtungen an Augenverletzten des polnischen Feldzuges. Deut. med. Wschr., 1940, **66:** 505–9.—**Höring, F. O., & Mai, H.** Ueber Durchfallserkrankungen im polnischen Feldzug. Münch. med. Wschr., 1940, **87:** 197–9.—**Kalk.** Beobachtungen über die Ruhr im Osten 1939. Med. Klin., Berl., 1940, **36:** 552 (Abstr.)—**Krieger, H.** Beitrag zum Problem der toxischen Ruhr; Erfahrungen im Polenfeldzug 1939. Med. Welt, 1940, **14:** 1137–9.—**Otto, H.** Die Ruhr bei der Feldtruppe in Polen. Klin. Wschr., 1940, **19:** 241; 272.—**Steuer, K.** Dysentery in German army in Polish campaign in 1939. Bull. War M., Lond., 1941–42, **2:** 125 (Abstr.)—**Stier.** Neurologische Beobachtungen aus dem Feldzug in Polen. Med. Klin., Berl., 1940, **36:** 577 (Abstr.)—**Stracker, O.** Schussverletzungen im fünften Monat nach dem polnischen Feldzug. Zschr. Orthop., 1941, **71:** 335–70. Also Surg. Gyn. Obst., 1942, **74:** Suppl., 284 (Abstr.)—**Tönnis, W.** Die Behandlung der Hirnverletzungen auf Grund der Erfahrungen im Feldzug gegen Polen. Deut. med. Wschr., 1940, **66:** 57.—**Wildegans, H.** Ueber das Auftreten von Tetanus im deutsch-polnischen Feldzuge. Ibid., 869–71.—**Wurm, K.** Die Ruhr im polnischen Feldzug unter Berücksichtigung persönlicher Erfahrungen. Med. Klin., Berl., 1940, **36:** 1183; 1209. Also Bull. War M., Lond., 1941–42, **2:** 307 (Abstr.)

—— Pontianak (1942)

See also subheading (Borneo)

Heilbrunn, A. [The bombardment of Pontianak] S. Afr M. J., 1942, **16:** 99.

—— Portugal.

United States. War Department. Technical bulletin TB MED 56: Medical and sanitary data on Portugal. 30p. 26cm. Wash., 1944.

—— Public health aspects.

See also **Public health; Sanitation.**

Chodźko, W. Współpraca narodów w zakresie ochrony zdrowia publicznego w czasie drugiej wojny światowej. Rocz. Uniw. Lublin, Sect. D, 1948, **3:** 289–326.—**Rubakin, A. N.** Sanitarnye posledstvija vtoroj mirovoj vojny v zarubeźnykh stranakh. Vest. Akad. med. nauk SSSR, 1946, No. 2, 3–44. ——— Pitanie naselenija vo vremja vtoroj mirovoj vojny. Ibid., 8–17. ——— Izućenie sanitarnykh posledstvij vojny za rubežom. Ibid., 42–4.

—— Puerto Rico.

Borinquen Field. In: Prev. Med. in World War II, Wash., 1948, **7:** 69–78.—**Camp** O'Reilly. Ibid., 79–85.—**Camp** Tortuguero. Ibid., 65–8.—**Fort** Brooke. Ibid., 41–5.—**Fort** Buchanan. Ibid., 49–59.—**Fort** Bundy. Ibid., 87–9.—**Hailwax, A.** War in Puerto Rico. Puerto Rico Health Bull., 1939, **3:** 80–5.—**Henry** Barracks. In: Prev. Med. in World War II, Wash., 1948, **7:** 47.—**Losey** Field. Ibid., 61–4.—**Medical** Department at U. S. Naval Station, Roosevelt Roads, Puerto Rico. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 15, 74–6.—**Survey** of filariasis in Puerto Rico. Bull. U. S. Army M. Dep., 1944, No. 76, 49–51.

—— Queensland.

See with subheading (Australia)

—— Ramu Valley.

See with subheading (New Guinea)

—— Reykjavik (1940–)

See with subheading (Iceland)

—— Rif.

See also subheading (Morocco)

Iribarren Cuartero, I. *Trabajos de un médico militar en el Rif, Beni Said [Madrid] 41p. 29½cm. Ceuta, 1942.

—— Romania.

Paulian, D. Die Geisteskrankheiten in diesem Krieg. Vjschr. schweiz. Sanitätsoff., 1943, **20:** 133 (Abstr.)

—— Roseneath Peninsula.

See also subheading (Great Britain)

United States Naval Base Number 2, Roseneath Peninsula. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 45.

—— Rostov (1941–1943)

See also subheading (Russo-German War)

Abramov, P. V. [The work of the medical unit during the liberation of Rostov] Voen. san. delo, 1941, No. 12, 41–8.

—— Russia.

See also **Occupied area**—by regions: Russia; also subheadings (Komandorskie Islands; Russo-German War)

Bertarelli, E. Progressi e conquiste della medicina russa durante la guerra. Med. internaz., Milano, 1948, **56**: 257–61. Also Arq. biol., S. Paulo, 1949, **33**: 6.—**Carling, E. R.** Medical and surgical achievement in the U. S. S. R. during war. Nature, Lond., 1944, **153**: 419–24. ——— Medical mission to Moscow. In: Interallied Conf. War Med. (1942–45) 1947, 404.—**Fischer, G.** La médecine dans l'Union Soviétique en paix comme en guerre. Concours méd., 1947, **69**: 9.—**Grasčenkov, N.** Soviet medicine in war-time. S. Afr. M. J., 1943, **17**: 185–7.—**Halpern, D.** Russian medicine in war time. Q. Chicago M. School, 1942–43, **3**: 7.—**Koten, B.** Soviet medicine in wartime. Hygeia, Chic., 1943, **21**: 268.—**Kukarkin, A.** Soviet medicine in wartime. J. Ind. M. Ass., 1943–44, **13**: 52.—**Lavrentiev.** Experimental medicine in Russia in the war. J. Am. M. Ass., 1943, **121**: 436.—**Pashincev, I. A.** [Tasks of feldshers and midwives during the second winter of the war] Feldsher, Moskva, 1943, 4–7.—**Propper-Grasčenkov, N. I.** La guerre et la médecine. Sem. hôp. Paris, 1946, **22**: 1311–9.—**Russian** alliance. S. Barth. Hosp. J. War Ed., Lond., 1941–42, **3**: 163.—**Russian** medicine in peace and war. Canad. Doctor, 1943, **9**: No. 3, 20–4.—**Russian** medicine in war. Med. Rec., N. Y., 1942, **155**: 153.—**Sigerist, H. E.** Soviet medicine in wartime. Camsi, Montréal, 1943, **2**: 20–3.—[**Tasks** of feldshers and midwives in 1943] Feldsher, Moskva, 1943, 1–4.—**War** medicine and pharmacology in Russia. Australas. J. Pharm., 1943, **24**: 150.

—— Russia—Casualties and diseases.

Barinsky, F. G., & Dodonova, O. N. [Children's infections and their control in the USSR in the years of the Great Patriotic War] J. mikrob., Moskva. 1945, No. 1, –8.—**Smagin, G. A.** Hipertonija na KVF v 1942–43 gg. Voen. morsk. med. sborn., 1945, **4**: 29–35.

—— Russia—Sanitation.

Maurer, R. Soviet health care in peace and war. 48p. 21½cm. N. Y., 1943.

Baran, N. A. [Medico-sanitary service of the rural population in wartime] Sovet. zdravookhr., 1943, No. 3, 10–5.—**Chetverikov, V. S.** [Sanitary work in the USSR during the first two years of the war] Hig. & san., Moskva, 1943, **8**: No. 10, 31; 1944, **9**: No. 4, 20.—**Frenkel, J. A.** [The tasks of the rural medical districts during wartime] Feldsher, Moskva, 1942, 36–8.—**Kolesnikov, S. A.** [Soviet public health in war time] Sovet. med., 1943, **7**: No. 7, 1–8.—**Kushnir, E. A.** [Protection of the sanitary home front] Sovet. zdravookhr., 1943, No. 4, 45–7.—**Livshic, G. N.** [Results of medical service of the rural population during 1942] Farmatsia, Moskva, 1943, **6**: No. 2, 5–7.—**Mediko-sanitarnom** (O) obsluživanii evakuirovannykh detej; prikaz po Narkomzdravu SSSR ot 26. VIII 1941 g. No. 408. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 29.—**Mediko-sanitarnom** (O) obsluživanii evakuiruemogo graždanskogo naselenija; prikaz po Narkomzdravu SSSR ot 29. VIII 1941 g. No. 416. Ibid., 25.—**Molodcov, N. A.** [Post-war problems of medicine] Voen. san. delo, 1943, No. 4, 20–5.—**Molotov, V. M.** [Destruction of cities and villages] Hig. & zdorov., 1942, 7: No. 5, 34–6.—**Obnovlensky, P. F.** Vlijanie vojny na čislennyj sostav i dviženie naselenija v Kalininskoj oblasti. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., **2**: 17–24.—**Položenie** o mediko-sanitarnom obsluživanii graždanskogo naselenija, evakuiruemogo iz ugrožaemykh rajonov. Sborn. prikaz. instrukc. Narkomzdr., 1942, No. 2, 26–9.—**Popov, G. M.** [Sanitary problems in populated regions during the present war] Hig. & zdorov., 1941, **6**: No. 7, 10–2.—**Rubakin, A. N.** Oficialnye nedelnye paiki dlja detej v stranakh, okupirovannykh nemcami v 1942 g. [tab.] Vest. Akad. med. nauk SSSR, 1946, No. 2, 12–4.—**Stalin, I. V.** [Broadcast by I. V. Stalin, president of the state defense committee] Vest. oft., 1941, **19**: No. 7, 3–6.—**Tapelsohn, S. L.** [The state of rural public health care in wartime] Sovet. zdravookhr., 1943, No. 6, 29–38.

—— Russia—Surgical aspect.

Acutin, M. N. Surgical experience in three Russian military campaigns. War Med., Chic., 1943, **3**: 201 (Abstr.)—**Burdenko, N.** Soviet military field surgery. Mil. Surgeon, 1942, **91**: 637–40.—**Carling, E. R.** The medical and surgical achievement of Soviet Russia in war. Proc. R. Inst. Gr. Britain (1943–44) 1946, **33**: 76–90.—**Clarke, R.** Some contributions to war surgery from the U. S. S. R. Brit. M. J., 1941, **2**: 372–5.—**Cutler, E.** Military surgery in Russia. Proc. Cardiff M. Soc., 1943–44, 34–43.—**Elman, R.** Russian war surgery; military medical reports from Russia. Surg. Gyn. Obst., 1943, **77**: Suppl., 93–7. Also Portug. transl., Rev. med. cir. Brasil, 1943, **51**: 735–42.—**Gordon-Taylor, G.** The Anglo-American-Canadian Surgical Mission to Russia, July, 1943. Brit. J. Surg., 1943–44, **31**: 205–7. ——— Surgery and Russia. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 46–59.—**Lapage, G.** Soviet war-time surgery. Nature, Lond., 1943, **152**: 756.—**Lebedenko, V. V.** Observations on field surgery. J. Internat. Coll. Surgeons, 1944, **7**: 92–7.—**Penfield, W.** The British-American-Canadian surgical mission to the U. S. S. R. Canad. M. Ass. J., 1943, **49**: 455–61. ——— The recent surgical mission to the U. S. S. R. Am. Rev. Soviet M., 1943–44, **1**: 169–71. Also in Science in Soviet Russia (U. S. Nat. Counc. Amer. Soviet Friendship) Lanc., 1944, 55–61.—**Smirnov, E. I.** [The concepts of N. I. Pirogov in the present war] Khirurgia. Moskva. 1943, No. 2, 3–11. Also Voen. san. delo. 1943, 3–11.

—— Russo-Finnish War.

See subheading (Finland)

—— Russo-German War (1941–1945)

See also other subheadings (Bug-Vistula offensive; Komandorskie Islands; Leningrad siege; Rostov; Sevastopol; Volkhov front)

Cressey, G. B. Siberian resources for Soviet warfare. Science, 1942, **95**: 264–6.—**Krichevsky, J., Epstein, O.** [et al.] Otečestvennaja vojna 1941–45gg. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 175–87.—**Mayer, C. F.** Medical history of the Russo-German War, 1941–45. Mil. Surgeon, 1951, **109**: 207–221.—**Mnogotomnyj** trud Opyt sovetskoj mediciny v vojne II, 1941–45 gg. Klin. med., Moskva, 1949, **27**: No. 9, 90–4. Also Vest. vener., 1949, No. 4-7.—**Russian** warfare. Bull. Army M. Dep., Lond., 1943, No. 22, 5.

—— Russo-German War—Air Force.

Miroljubov, V. G., Gurevich, I. I. [et al.] [Stomachal illnesses in the Air Corps of M. A. F. of the Red Army within the Patriotic war] Klin. med., Moskva, 1944, **22**: No. 12, 51–5.

—— Russo-German War—Diseases.

Gelstein, E. M. Терапия. Разд. 7: Нарушения общего питания. 202p. 26½cm. Moskva, 1950.

Forms v.**28**, Opyt sovet. med. v Velik. oteč. vojne.

Vovsi, M. S. Терапия. Разд. 2: Болезни сердца и сосудов. 299p. 26½cm. Moskva, 1950.

Forms v.**21**, Opyt sovet. med. v Velik. oteč. vojne.

Abramović, G. B., & Mnukhin, S. S. Klinika alimentarnoj distrofii; izmenenija psikhiki. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950, **28**: 117–9.—**Cajka, T. V.** Patologičeskaja anatomia alimentarnoj distrofii. Ibid., 56–87, 3 pl.—**Dobronravov, V. N.** Bolezni kožiː česotka. Ibid., **27**: 72–82.—**Egorov, P. I.** K diagnostike i klinike gastritov po materialam Velikoj otečestvennoj vojny. Sborn. tr. Voen. med. akad. Kirov, 1949, **43**: 67–72.—**Gelstein, E. M.** Alimentarnaja distrofija; etiologia i patogenez. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950, **28**: 18–29. ——— **Stocik, N. L.** [et al.] Alimentarnaja distrofija. Ibid., 9–133, 3pl. ——— Alimentarnaja distrofia; klassifikacia; klinika. Ibid., 87–113. ——— Alimentarnaja distrofia; tečenie i osložnenija. Ibid., 119–33.—**Hefter, J. M.** Alimentarnaja distrofija; narušenija obmena. Ibid., 29–56.—**Istamanova, T. S.** Funkcionalnye zabolevanija serdca. Ibid., **21**: 21–47.—**Kedrov, A. A.** Distrofija miokarda kak pričina serdečnoj nedostatočnosti. Ibid., 91–124.—**Khvilivickaja, M. I.** Obliterirujušćij trombangiit. Ibid., 258–83. ——— & **Davidovskij, N. M.** Narušenija venečnogo krovoobraščenija. Ibid., 220–57, pl.—**Kolesnikov, I. S., & Smirnova, A. P.** Perikardit. Ibid., **10**: 176–214.—**Kričagin, I. P., & Rakhlin, L. M.** Avitaminoz A. Ibid., **28**: 181–7.—**Kulikovsky, G. G.** Izmenenija so storony ukha i pridatočnykh pazukh nosa. Ibid., 1949, **4**: 137–41.—**Lang-Belonogova, N. S.** Hipertoničeskaja bolezn. Ibid., 1950, **21**: 175–219, 2 pl.—**Libov, L. L.** Zaživlenie ran pri nepolnocennom pitanii. Ibid., **1**: 132–7.—**Lure, E. L.** Avitaminoz B1. Ibid., **28**: 169–78.—**Meževbovskij, R. G., & Babuškin, G. A.** Poroki serdca. Ibid., **21**: 70–90.—**Mnukhina, G., & Mazo, B.** Smertnost ot somatičeskikh zabolevanij po materialam evakohospitalej Chkalova za gody Velikoj otečestvennoj vojny. Hosp. delo, 1946, No. 6, 47–9.—**Pavlov, S. T.** Obščij analiz zabolevaemosti kožnymi boleznjami v vojskakh v gody Velikoj otečestvennoj vojny. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950, **27**: 11–24. ——— **Patkanian, K. G.** [et al.] Bolezni kožiː Ibid., 11–128, 4 pl.—**Popov, M. Z.** Izmenenija so storony zritelnogo apparata. Ibid., 1949, **4**: 133–7.—**Razdolsky, I. J.** Klinika alimentarnoj distrofii; izmenenija nervnoj sistemy. Ibid., 1950, **28**: 113–7.—**Ryss, S. M.** Avitaminozy; cynga. Ibid., 134–52. ——— Pellagra. Ibid., 152–69. ——— **Lure, Z. L.** [et al.] Avitaminozy. Ibid., 134–87.—**Sčerba, M. L.** Osložnenija pri ognestrelnykh

ranenijakh lica i čeljustej; pnevmonii. Ibid., 6: 273–84.—**Smirnov, K. K.** Dermatity; ekzema; češujčatyj liśaj i proćie bolezni koži. Ibid., 27: 101–21.—**Stocik, N. L.** Alimentarnaja distrofija; istoričeskaja spravka. Ibid., 28: 10–8.—**Vovsi, M. S.,** & **Sulcev, G. P.** Istoričeskij obzor i obśćie statističeskie dannye o nefritakh v Velikuju otečestvennuju vojnu. Ibid., 22: 9–18. ——— Rasprostranenie nefritov v dejstvujuśćej armii. Ibid., 19–24.

—— Russo-German War—Epidemics.

Ravikovich, E. M., & **Muuerman, O. E.** [Some data on epidemiology of diphtheria and scarlet fever in the years of the Patriotic War] J. mikrob., Moskva, 1945, No. 1, 15–20.

—— Russo-German War—Hospitals.

Botkin (2,350-bed) Hospital in Moscow becomes a base Hosp. Management, 1942, 54: No. 2, 20.—**Bynin, B. H.** Klinićeskie itogi raboty čeljustnykh hospitalej Narkomzdrava RSFSR za gody Otečestvennoj vojny. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 5–14.—**Frank-Kamenecky, L. Z., Turkin, P. P.,** & **Kliukov, N. S.** [The work of the mobile field hospitals during the present war] Khirurgia, Moskva, 1941, No. 9, 50–2.—**Gruliow, L.** Botkin Hospital, Moscow, fights in the front line. Mod. Hosp., 1943, 60: No. 6, 63–5.—**Pešek, J.** Léčebné a evakuační zajištění sovětské armády za Velké války. Voj. zdrav. listy, 1949, 18: 226–37.—**Weissblat, S. N.** Opyt dvukhletnej raboty, dekabr 1941–nojabr 1943, čeljustno-licevogo otdelenija evakohospitalja v gor. Stalinabade. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 161–71.

—— Russo-German War—Infections.

Ravić-Ščerbo, V. A. Терапия. Разд. 6: Туберкулез легких. 264p. 26½cm. Moskva, 1950.

Forms v.25, Opyt sovet. med. v Velik. oteć. vojne.

Ariel, M. B. Patomorfologija tuberkuleza pri narušenii pitanija. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 25: 210–25. ——— & **Klionsky, E. E.** Tuberkulez i narušenie pitanija. Ibid., 206–37.—**Arkhangelsky, S. P.** Lećenie sifilisa. Ibid., 27: 141–62.—**Faivišenko, E. L.** [Tetanus in rear hospitals] Khirurgia, Moskva, 1944, No. 2, 44–9.—**Kusevicky, I. A.** Patologićeskaja anatomija osnovnykh form legoćnogo tuberkuleza v gody Velikoj otećestvennoj vojny. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 25: 79–92.—**Levitin, F. I.** Borba s tuberkulezom v period Otećestvennoj vojny. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 157.—**Meźebovsky, R. G.** Ostryj revmatizm. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 21: 48–69.—**Patkanian, K. G.** Gnoiničkovye bolezni koži. Ibid., 27: 25–57, 3 pl.—**Pavlov, S. T.** Obśćij analiz zabolevaemosti koźnymi boleznjami v vojskakh v gody Velikoj otećestvennoj vojny. Ibid., 11–24. ——— Profilaktika venerićeskikh boleznej v dejstvujuśćej armii. Ibid., 129–40. ——— **Arkhangelsky, S. P.,** & **Shekhter, A. D.** Profilaktika i lećenie venerićeskikh boleznej. Ibid., 129–211.—**Ravić-Ščerbo, V. A.** Svoeobrazie osnovnykh form legoćnogo tuberkuleza v vojskakh v gody Velikoj otećestvennoj vojny; obśćaja śastj. Ibid., 25: 68–79. ——— **Kusevicky, I. A.** [et al.] Svoeobrazie osnovnykh form legoćnogo tuberkuleza v vojskakh v gody Velikoj otećestvennoj vojny. Ibid., 68–144, 13 pl.—**Shekhter, A. D.** Lećenie muźskoj gonorrei v period Velikoj otećestvennoj vojny. Ibid., 27: 163–208.—**Shmelev, N. A.** Raspoznavanie tuberkuleza i ego klinićeskie formy. Ibid., 25: 113–41, 5 pl.—**Strukov, A. I.,** & **Khmelnicky, B. M.** Pervićnyj tuberkulez v armii v gody Velikoj otećestvennoj vojny. Ibid., 145–93.—**Talanov, S. I.,** & **Ivanov, I. N.** Organizacija borby s tuberkulezom v dejstvujuśćej armii. Ibid., 37–67, 19 pl.—**Voznesensky, A. N.** Osobennosti kliniki i tećenija tuberkuleza verkhnikh dykhatelnykh putej. Ibid., 194–205, pl.

—— Russo-German War—Injuries.

Entin, D. A. Хирургия. Разд. 3: Огнестрельные ранения и повреждения лица и челюстей. 400p. 26½cm. Moskva, 1952.

Forms v.6, Opyt sovet. med. v Velik. oteć. vojne.

Poljak, B. L. Внутриглазные инородные тела и их извлечение. p.116–67. 26½cm. Moskva, 1950.

In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 7:

Arjev, T. J. Klassifikacia i simptomatologia otmoroźenij. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 252–9, 13 pl.—**Babickaja, E. E.** Povreźdenija śljunnykh źelez pri ognestrelnykh ranenijakh lica i čeljustej. Ibid., 6: 240–6.—**Balacenko, D. N.,** & **Goldberg, D. G.** Ognestrelnye ranenija śei, soćetannye s povreźdeniem lica. Ibid., 247–72, 4 pl.—**Balacenko, D. N.,** & **Kadzova, A. V.** Osloźnenija pri ognestrelnykh ranenijakh lica i čeljustej; vtoričnye krovotećenija. Ibid., 284–302.—**Banaitis, S. I.** Itogi lećenija ranennykh v źivot po opytu Vojny II. Vest. khir., 1949, 69: No. 5, 59. ——— **Survillo, O. N.,** & **Aizman, I. M.** Iskhody ranenij źivota. In: Opyt sovet. med. v. Velik. oteć. vojne, Moskva, 1949, 12: 517–40, 7 pl.—**Baranova, O. P.** O tećenii proniknjušćikh ranenij grudnoj kletki po materialam tylovykh evakohospitalej. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 268–77.—**Barbel, I. E.** Ognestrelnye povreźdenija glaznicy. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 7: 216–39, 13 pl.—**Begelman, I. A.** Ognestrelnye ranenija obeikh čeljustej. Ibid., 6: 208–25, 2 pl.—**Berezinskaja, D. I.** Ożogi glaz i ikh pridatkov. Ibid., 7: 263–9.—**Bočarov, A. A.** Klassifikacija i častota rannej grudi. Ibid., 1949, 9: 31–47. ——— Obśćaja kharakteristika tećenija ranenij grudi i ikh osloźnenij. Ibid., 48–64, 2 pl. ——— & **Zvorykin, I. A.** Obśćie iskhody pri ranenijakh grudi. Ibid., 85–112.—**Bronstein, J. E.,** & **Zbarź, J. M.** Ognestrelnye ranenija niźnej čeljusti; patologija, simptomatologija, klinika i diagnostika; osloźnenija. Ibid., 1950, 6: 134–51, 8 pl.—**Chernaja, L. A.** [Dormant anaerobic infection in gunshot wounds (material from Stalinabad evacuation hospital)] Khirurgia, Moskva, 1944, No. 3, 3–8.—**Chertkova, F. A.** [Microflora of the wounds of wartime, after the data of the N ... rear evaco-hospital] J. mikrob., Moskva, 1944, No. 9, 61–3.—**Chistovič, A. N.,** & **Svjatukhin, M. V.** Patologićeskaja anatomija ranenij legkikh i plevry. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, 9: 142–78, 2 pl.—**Dondero, A. P.** I congelamenti delle estremità inferiori nella casistica della campagna sul fronte russo. Arch. radiol., Nap., 1948, 22: 104–22.—**Entin, D. A.,** & **Dacenko, M. F.** Obśćaja klinićeskaja ocenka patologii ognestrelnykh ranenij lica i čeljustej. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 6: 36–72, 5 pl.—**Entin, D. A.,** & **Kabakov, B. D.** Klassifikacija i častota ognestrelnykh ranenij i povreźdenij lica i čeljustej. Ibid., 28–35. ——— Iskhody rannij lica i čeljustej. Ibid., 88–92.—**Entin, D. A.,** & **Uvarov, V. M.** Ognestrelnye osteomiclity čeljustej. Ibid., 303–14, 2 pl.—**Fésüs, A.** A szovjetháború hadivakjai. Orv. hetil., 1944, 88: 29.—**Fratkin, G. M.** Nepronikajušćie ranenija źivota. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, 12: 119–41.—**Gamov, V. S.** Otmoroźenija; istoričeskie dannye; statističeskie dannye. Ibid., 1950, 1: 194–210.—**Gilenko, M. M.,** & **Bisjarina, V. P.** Pronikajušćie ognestrelnye ranenija grudnoj kletki po materialam evakohospitalej glubokogo tyla. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 263–8.—**Girgolav, S. S.** Ognestrelnye rany. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 15–60, 9 pl.—**Gorjainov, V. S.** Kharakter ognestrelnykh ranenij organa zrenija po materialam Otećestvennoj vojny i vidy pomośći na razlićnykh etapakh evakuacii. Vest. oft., 1945, 24: No. 4, 31–8.—**Ivaśćenko, G. M., Zbarź, J. M.,** & **Bronstein, J. E.** Lećenie ranenij niźnej čeljusti. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 6: 151–65.—**Kabakov, B. D.** Ognestrelnye ranenija niźnej čeljusti; klassifikacija i statističeskie dannye. Ibid., 129–34. ——— **Bronstein, J. E.** [et al.] Ognestrelnye ranenija nizejn čeljusti. Ibid., 129–76, 8 pl.—**Kabakov, B. D., Kjandskij, A. A.** [et al.] Ranenija i povreźdenija mjagkikh tkanej lica. Ibid., 93–123, 3 pl.—**Kadzova, A. V.** Ognestrelnye ranenija skulovoj kosti i skulovoj dugi. Ibid., 226–9.—**Kevesh, E. L.** Rentgenodiagnostika ranenij grudnoj kletki. Ibid., 1949, 9: 113–41, 19 pl.—**Khordos, S. M.** [Injuries of the eye in the present war] Voen. med. glub. tyla (Średneaziat. voen. okrug) Tashkent, 1943, 493–8.—**Kolen, A. A.** Dostiźenija sovetskikh oftalmologov v izućenii kliniki boevoj travmy glaz i lećenie ee v Velikuju otećestvennuju vojnu. Vest. oft., 1947, 26: No. 5, 19–23. ——— Ranenija vek i sleznykh organov. In: Opyt sovet med. v Velik. oteć. vojne, Moskva, 1950, 7: 190–215.—**Kolesnikov, I. S.** Inorodnye tela plevry i legkikh. Ibid., 1949, 9: 367–423, 11 pl. ——— & **Smirnova, A. P.** Ranenija sredostenija i ego organov. Ibid., 424–88, 4 pl.—**Kolesov, V. I.,** & **Libov, S. L.** Pronikajušćie ranenija grudi; ranenija plevry i legkikh. Ibid., 229–366, 6 pl.—**Kopp, I. F.** Glaznoj travmatizm i glaznaja zabolevaemost v Otećestvennoj vojne po materialam frontovogo i armejskogo SEG. Vest. oft., 1945, 24: No. 4, 39–42.—**Krasnov, M. L., Berezinskaja, D. I.,** & **Fridman, S. J.** Pronikajušćie ranenija glaz; klassifikacija, klinika, lećenie, osloźnenija. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 7: 82–101.—**Krivorotov, I. A.** Zakrytye povreźdenija źivota. Ibid., 1949, 12: 474–516.—**Krupacsév, I. F.** Thoracoabdominalis sérülések a frontmögötti kiürítőkórház adatai alapján. Honvédorvos, 1950, 2: 603 (Abstr.)—**Lipovich, N. S.** [War injuries of the eyes; data from the Smolensk military hospital] Vest. oft., 1941, 19: 110–4.—**Ljapunov, A. J.** Glaznoj boevoj travmatizm v gody Velikoj Otećestvennoj vojny. Voen. med. J., Moskva, 1947, No. 7, 18–21.—**Melnikov, A. V.** Pozdnie osloźnenija ranenij źivota i ikh lećenie. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, 12: 412–73.—**Menśikov, F. K.** Pronikajušćie ranenija grudnoj kletki po materialam evakohospitalej SibVO. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 232–40.—**Mikhelson, N. M.** Povreźdenie jazyka pri ognestrelnykh ranenijakh lica i čeljustej. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 6: 230–9.—**Nalimov, B. S.** Krovoizlijanija v legoćnuju tkanj pri ranenijakh i kontuzijakh. Ibid., 29: 18–34, 8 pl.—**Novaćenko, N. P.** Opyt lećenija invalidov Otećestvennoj vojny s povreźdenijami oporno-dvigatelnogo apparata. Vrach. delo, 1946, 26: 563–8.—**Pakhomova, V. I.** Otravlenija antifrizami v gody Otećestvennoj vojny. Farm. & toks., Moskva, 1947, 10: No. 3, 48.—**Pavlova-Kaminskaja, Z. A.,** & **Boćever, E. M.** Kontuzii glaz i ikh pridatkov. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 7: 176–89, 3 pl.—**Petrov, H.** Hassebesülések. Honvédorvos, 1950, 2: 442–5.—**Preobrazhenskaja, M. N.** [Characteristics of wounds of the eyes in the present war] Vest. oft., 1943, 22: No. 6, 17–23. ——— Obśćaja kharakteristika boevykh

travm glaza v nastojaśćej Otećestvennoj vojne. San. sluzhba, Sverdlovsk, 1946, No. 6, 56–62.—**Rudenko, O. M., & Rusanov, M. N.** Pronikajuśćie ranenija života; soćetannye ranenija polykh i parenkhimatoznykh organov. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **12**: 303–22.—**Schwartzberg, J. A.** Ranenie lobnykh pazukh po materialam Velikoj otećestvennoj vojny. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 161–5.—**Shapiro, I. N.** Voennaja travma organov moćepolovoj sistemy i ee lećenie v evakohospitaljakh Narkomzdrava RSFSR v Velikuju otećestvennuju vojnu. In: Voen. travma mochepol. org. (Fronstein, R. M.) Moskva, 1947, 5–21.—**Sinani, M. F.** Okoloranevye poraženija koźi. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 27: 83–100, pl.—**Survillo, O. N.** Patologićeskaja anatomija ognestrelnykh ranenij parenkhimatoznykh organov życota. Ibid., 1949, **12**: 235–69, pl.—**Svatikova, A. G., Sergieva, M. G., & Tretjakov, I. M.** Osobennosti povreždenija glaz v Otećestvennuju vojnu po dannym tylovogo hospitalja. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 8.—**Tanfiljev, D. E., Uvarov, V. M.** [et al.] Ognestrelnye ranenija verkhnej ćeljusti. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **6**: 177–207.—**Terian, K. G.** Obśćie vyvody po ognestrelnym ranenijam miagkikh tkanej. Ibid., 1949, **4**: 261–3.—**Tikhomirov, P. E.** [Characteristics of intraocular splinters in the present war and surgical tactics] Vest. oft., 1944, **23**: No. 2, 10–3. ——— Ranenija i bolezni glaz v Vojnu II i lećenie ikh v tylovykh evakohospitaljakh. In: Boev. povrezhd. glaz (Savvaitov, A. S.) Moskva, 1947, 6–12. ——— Nepronikajuśćie ranenija glaznogo jabloka. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **7**: 168–75.—**Tjurikov, M. V.** [Gunshot wounds of the thoracic cavity; data for 9 months of the present war from an evacuation hospital] Klin. med., Moskva, 1942, **20**: No. 8, 22–32. ——— Nepronikajuśćie ranenia grudi. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **9**: 181–228, pl.—**Velikanova, M. M.** Loźnye sustavy i zamedlennoe sraśćenie perelomov posle ognestrelnykh ranenij niźnej ćeljusti. Ibid., 1950, **6**: 323–30, 2 pl.—**Viśnevskij, N. A.** Klassifikacija i osobennosti ognestrelnykh ranenij i povreždenij glaz. Ibid., **7**: 23–41.—**Voroncov, I. M., & Survillo, O. N.** Pronikajuśćie ranenija života; ranenija parenkhimatoznykh organov. Ibid., 1949, **12**: 233–302, 4 pl.

—— Russo-German War—Logistics.

Dalneiśem (O) razvitii i organizacionno-khozjaistvennom ukreplenii podsobnykh khozjaistv, ovośćesovkhozov i maśinosenokosnykh stancij v Krasnoj Armii; prikaz narodnogo komissara oborony No. 183 of 23 aprelja 1943g. Sborn. instr. metod. mat. evakohosp., 1943, No. 17, 17–9.—**Normy** sdaći kartofelja i ovośćej na planovoe snabźenie voinskikh śastej iućreždenij Krasnoj Armii iz svoikh podsobnykh khozjaistv na 1943g. Ibid., 20.—**Normy** sdaći produkcii życotnovodstva s golovy skota, ptiсy i pćelosemji, imejuśćikhsja na naćalo goda, na planovoe snabźenie vojskovykh śastej iućreždenij Krasnoj Armii iz svoikh podsobnykh khozjaistv na 1943g. Ibid., 21.—**Poriadke** (O) sdaći produkcii na planovoe snabźenie ot podsobnykh khozjajstv prompredprijatij, skladov, baz i drugikh ućreždenij NKO; prikaz naćalnika tyla Krasnoj Armii No. 12 ot 30 ijunja 1942g. Ibid., 17.

—— Russo-German War—Medical experiences.

Достижения Советской Медицины в годы Отечественной войны. Т. 1. 166p. 22cm. Moskva, 1943.

Опыт Советской Медицины в Великой отечественной войне 1941–1945 гг. 17v. Moskva, 1949—

Stovbunenko-Zajćenko, J. V. Записки врача-партизана. 124p. 19½cm. Kiev, 1948.

Makarov, I. D. Bibliografija po voennoj medicine za gody 1941–45. Voen. med. J., Moskva, 1947, 57; passim.—**Naućnoj** (O) razrabotke i obobśćenii opyta sovetskoj mediciny za vremja Velikoj otećestvennoj vojny 1941–45gg. Ibid., 1946, No. 3, 3.—**Russian** (A) guerilla doctor. Canad. Doctor, 1943, **9**: No. 3, 25–9.—**T., N.** Notes of a guerilla surgeon. In: Soviet Health Protect. (Propper-Grashchenkov, N. I.) Lond., 1945, 28–36.—Vnutrennjaja medicina v gody Velikoj Otećestvennoj vojny. Med. rabot., 1947, **10**: 27, 1.

—— Russo-German War—Medical [and scientific] institutions.

Appeal (An) by the U. S. S. R. Academy of Sciences. Brit. M. J., 1942, **1**: Suppl., 9.—**Parin, V. V.** [Research work of the Public Health Institutes during the present war] Sovet. zdravookhr., 1943, 18–28.—**Petrov, N. N.** Naućnaja rabota I. Khirurgićeskoj kliniki GIDUVa za god Otećestvennoj vojny. Raboty Leningr. vrać. za god Oteć. vojny, 1942, **2**: 112–6.—**Propper-Grashchenkov, N. I.** The All-Union Institute of Experimental Medicine and the war. Am. Rev. Soviet M., 1944–45, **2**: 108–18.—**Rogozin, I. I.** Instituty epidemiologii i mikrobiologii v gody Otećestvennoj vojny. In: Dost. Sovet. med. Oteć. vojny, 1943, **1**: 163–7.—**Samarin, N. N.** God naućnoj raboty 2-j kafedry khirurgii GIDUV v uslovijakh vtoroj Otećestvennoj vojny. Raboty Leningr. vrać. za god Oteć. vojny, 1942, **2**: 117–22.—**Shabanov, A. N.**Ućebnyj plan lećebnogo fakulteta, dejstvovavśij pered Velikoj otećestvennoj vojnoj. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 210–2. ——— Sovetskaja vysśaja medicinskaja śkola v period Velikoj otećestvennoj vojny. Ibid., 212–4.

—— Russo-German War—Medical organization.

Санитарная Служба в дни Отечественной войны. Sverdlovsk, No. 6, 1946—

Akodus, J. Perestrojka medicinskoj służby armii k naćalu Velikoj otećestvennoj vojny. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 270–80.—**Barsukov, V. P.** Specializirovannaja pomość vo 2. gvardejskoj armii v 1942–45gg. Voen. med. J., Moskva, 1946, No. 3, 39–43.—**Cabot, H.** Russian medicine organized for war. Am. Rev. Soviet M., 1943–44, **1**: 158–60.—**Dakhnovsky, A. K.** Glaznaja pomość voennosluźaśćim N-skogo garnizona za period Velikoj otećestvennoj vojny po materialam garnizonnogo hospitalja i garnizonnoj polikliniki. Voen. med. J., Moskva, 1947, No. 10, 7–15.—**Divakov, P. D.** Podgotovka medicinskikh sester zapasa na kursakh obśćestv Krasnogo kresta i Krasnogo polumesjaca za vremja Velikoj otećestvennoj vojny. In: Plenum kadr. zdrav. Min. zdrav. Russia (1944) 1946, 1. Congr., 116–23.—**Dolin, A. O.** Ućenie akademika I. P. Pavlova i voenno-medicinskoe delo v uslovijakh Otećestvennoj vojny. In: Voen. med. Leningr. fronte (Russia Glavn. voen. san. upravl.) Moskva, 1946, 283–301.—**Furman, I. I.** Rabota bolnic vosstanovitelnoj khirurgii i organizacija poliklinićeskoj pomośći invalidam Otećestvennoj vojny. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 224–8.—**Ivanov, V.** Mediko-sanitarnaja służba VMF v Velikuju Otećestvennuju vojnu. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 919–22.—**Jabonero Sánchez, V.** Campana de Rusia; el servicio sanitario de batallón durante el invierno. Ejército, 1943, No. 41, 55–9.—**Kagan, S. S., & Klimov, K. M.** Osnovyne formy i metody dispanserizacii invalidov Velikoj otećestvennoj vojny. Vrach. delo, 1945, **25**: 597–602.—**Krichevsky, J., & Epstein, O.** Otećestvennaja vojna 1941–45gg.; medicinskaja służba Sovetskoi Armii v khode Velikoi otećestvennoj vojny. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 181–3.—**Makarov, I. D.** Bibliografija po voennoj medicine za gody Otećestvennoj vojny; organizacija i taktika medicinskoj służby; obśćie voprosy voennoj mediciny. Voen. med. J., Moskva, 1946, No. 3, 58; No. 4, 57.—**Maslinkovsky, T.** Medicinskaja służba v inostrannykh armijakh, v period vtoroj mirovoj vojny. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 960–79.—**Medicine** on the Russian front. Med. Econom., 1942–43, **20**: No. 5, 50.—**Mosenkov.** Nekotorye dannye v rabote okruźnoj voenno-vraćebnoj komissii v period boevykh dejstvij. Voen. san. delo, 1940, No. 6, 6–11.—**Nazarova, N. S.** O sostojanii lećebno-profilaktićeskoj pomośći detjam v Kalininskoj oblasti. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., **1**: 76.—**Novotelnov, S. A.** [Present organization of military orthopedics] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 14–22.—**Poljakov, N. A.** Medicinskoe obespećenie nastupatelnoj operacii N-skoj armii (Dukhovśćinskaja operacija) Voen. med. J., Moskva, 1945, No. 7, 43–54.—**Popov, G. M.** [On the history of military medical preparation in Russia] Ibid., June, 47–52.—**Redakcionnoj** (Ot) kollegii truda, Opyt sovetskoj mediciny v Velikoj otećestvennoj vojne 1941–45gg. Ibid., 1946, No. 3, 4–15.—**Semeka, S.** Oformlenie sovetskoj voennoj mediciny v gody Velikoj otećestvennoj vojny. In: Encikl. slovar voen. med., Moskva, 1946–48, **3**: 905–12.—**Tarasov, M. M.** Medicina u partizan v Velikuju otećestvennuju vojnu. Sovet. zdravookhr., 1947, No. 8, 42–51.—**Vodovozov, A. M.** Lećebnaja pomość invalidam Otećestvennoj vojny na novom etape. Vrach. delo, 1945, **25**: 595–8.

—— Russo-German War—Medical services.

Bocharov, A. A., & Zvorykin, I. A. Obśćie principy okazanija pomośći i etapnogo lećenija s evakuaciej po naznaćeniju rannenykh v grudj. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **9**: 65–84, pl.—**Dubov, M. D.** K voprosu ob organizacii pomośći invalidam Otećestvennoj vojny s ranenijami ćeljustno-licevoj oblasti. Vest. khir., 1946, **66**: No. 5, 84–6.—**Entin, D. A.** [Stomatology in the present war: history of field maxillo-facial surgery in the U. S. S. R.] Stomatologia, Moskva, 1942, No. 4, 39–48.—**Jabonero Sánchez, V.** Servicio sanitario en el batallón durante la campaña de Rusia. Ejército, 1942, No. 32, 72–4.—**Khrisanov, N. E.** Kurorty v dni Velikoj otećestvennoj vojny. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 152.—**Kulikovsky, G. G.** Oto-laringologićeskaja pomość ranenym, kontuźennym i bolnym po opytu Velikoj otećestvennoj vojny. Voen. med. J., Moskva, 1946, No. 4, 3–11. ——— & **Svetlakov, M. I.** Istorićeskij obzor razvitija oto-rino-laringologićeskoj pomośći ranenym, bolnym i kontuźennym. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **8**: 13–21.—**Likhachev, A. G., & Wolfkovich, M. I.** Zadaći vsesojuznogo naućnogo obśćestva otolaringologov na dannom etape Otećestvennoj vojny. In: Sborn. nauch. rabot lech. ognestr. povrezhd. ukha &c., Moskva, 1944, 68–72.—**Miterev, G. A.** [All to the service at the front] Sovet. med., 1941, **5**: No. 13, 4–7.—**Smirnov, E. I.** [Problems of sanitary service during the present war] Voen. san. delo, 1941, No. 12, 1–4. ——— [The urgent problems of the sanitary service of wounded and sick based on 10 months experience during the

war] Khirurgia, Moskva, 1942, No. 10, 3–10.—**Ushakov, A. A.** Profil sovremennogo voennogo oto-rino-laringologa v Otečestvennuju vojnu. Vest. otorinolar., 1945, **7**: No. 2, 26–8.

—— Russo-German War—Naval forces.

Andreev, F. Otečestvennaja vojna 1941–45gg.; medikosanitarnaja služba Voenno-Morskogo Flota. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 183.

—— Russo-German War—Neuropsychiatry [incl. head injuries]

KUDRIN, I. S., VASKIN, I. S. [et al.] Повреждения периферической нервной системы военного времени. p.259–357. 22½cm. Leningr., 1942.

In: Osn. voen. polev. neirokhir. (Bondarčuk, A. V.) Leningr., 1942.

KUŠELEVSKY, B. P., & RAZDOLSKY, I. J. Внутренние заболевания и заболевания нервной системы при взрывной травме мозга. p. 257–312. 26½cm. Moskva, 1950.

In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, v.**29**.

Aleksandrov, N. N., & Volkov, A. A. Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; ranenija sinusov tverdoj mozgovoj oboločki. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **4**: 413–22, pl.—**Arendt, A. A.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga travmatičeskaja vodjanka mozga pozdnikh periodov. Ibid., 503–8, 9pl. ——— Khirurgičeskoe lečenie travmatičeskoj epilepsii pozdnikh periodov. Ibid., 520–30.—**Aronovich, G. D., & Sherman, L. G.** Nekotorye dannye po kliniko-laboratornoj diagnostike. Ibid., 146–50.—**Babchin, I. S.** Obščaja klassifikacija boevykh povreždenij čerepa i golovnogo mozga i statističeskie dannye; klassifikacia. Ibid., 39–51. ——— Klassifikacija ognestrelnykh ranenij mjagkikh tkanej čerepa i statističeskie dannye. Ibid., 235–7. ——— Klassifikacija ognestrelnykh nepronikajušćikh ranenij čerepa i statističeskie dannye. Ibid., 264–7. ——— Klassifikacija ognestrelnykh pronikajušćikh ranenij čerepa i statističeskie dannye. Ibid., 326–31, pl. ——— Klinika pronikajušćikh ranenij. Ibid., 340–62. ——— Lečenie neosložnennykh ranenij. Ibid., 404–13. ——— Istečenie i vybukhanie mozga. Ibid., 425–31, pl. ——— Rannie abscessy mozga. Ibid., 462–72, 2pl. ——— Rezultaty lečenia pronikajušćikh ranenij čerepa. Ibid., 530–6. ——— Obšćie vyvody po ognestrelnym pronikajušćim ranenijam čerepa i golovnogo mozga. Ibid., 537–9. ——— & **Malysheva, T. S.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; encefality. Ibid., 456–62.—**Bondarčuk, A. V.** Povreždenija perifiričeskoj nervnoj sistemy voennogo vremeni; kauzalgija. In his Osn. voen. polev. neirokhir., Leningr., 1942, 349–57, pl.—**Dansker, V. L.** Ognestrelnye nepronikajušćie ranenija kostej čerepa; osloženija i ikh lečenie; subduralnye hematomy. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **4**: 299–303. ——— Ognestrelnye nepronikajušćie ranenija kostej čerepa; rezultaty lečenija. Ibid., 320–3.—**Emdin, P. I.** Obšćie vyvody po nepronikajušćim ranenjam čerepa. Ibid., 323–5.—**Filshtinsky, M. M.** Ognestrelnye nepronikajušćie ranenija kostej čerepa; klinika. Ibid., 288–93. ——— Ognestrelnye nepronikajušćie ranenija kostej čerepa; osloženija i ikh lečenie; pakhimeningity; epiduralnye abscessy; proćie gnojnye osloženija. Ibid., 312–20.—**Garkavi, K. I.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; ependimity. Ibid., 482–9.—**Goikhman, V. A.** Tečenie neosložnennykh i osložnennykh ran čerepa i mozga. Ibid., 104–9.—**Graščenkov, N. I.** Mikroflora ran golovnogo mozga. Ibid., 66–70.—**Holman, S. V.** Zakrytaja travma čerepa. Ibid., 189–234.—**Judin, T. I.** [Frontal region and psychonervous syndromes in gunshot lesions; general preliminary data after experience of the Great Patriotic War] Nevropat. Psikhiat., 1945, **14**: 43–9.—**Kisilevsky, V. L.** Ognestrelnye ranenija mjagkikh tkanej čerepa; nekotorye dannye po patologičeskoj anatomii. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **4**: 237–40.—**Kopylov, M. B.** [Certain peculiarities of cranial and cerebral injuries in the present war] Vopr. nevrokhir., 1943, **7**: No. 6, 50–4. ——— Rentgenodiagnostika poraženij golovnogo mozga. In: Opyt sovet. med. v. Velik. otеč. vojne, Moskva, 1949, **4**: 159; 395, 23 pl.—**Kosinskaja, N. S.** Rentgenodiagnostika ognestrelnykh ranenij čerepa; rentgenodiagnostika perelomov kostej čerepa. Ibid., 150–9. ——— Ognestrelnye nepronikajušćie ranenija kostej čerepa; rentgenodiagnostika. Ibid., 274–87. ——— Rentgenodiagnostika ognestrelnykh perelomov čerepa. Ibid., 372–95, 4pl.—**Kudrin, I. S.** Povreždenija perifiričeskoj nervnoj sistemy voennogo vremeni; pokazanija i sroki operativnykh vmešatelstv. In: Osn. voen. polev. neirokhir. (Bondarčuk, A. V.) Leningr., 1942, 271.—**Makarov, I. D.** Bibliografija po voennoj medicine za gody 1941–45; povreždenija čerepa i golovnogo mozga. Voen. med. J., Moskva, 1947, No. 8, 48; No. 9, 42; No. 10, 51.—**Malyševa, T. S.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; meningity i meningo-encefality. In: Opyt. sovet. med. v Velik. otеč. vojne, Moskva, 1949, **4**: 446–56, 2pl.—**Margorin, E. M.** Ognestrelnye ranenija mjagkikh tkanej čerepa; lečenie neosložnennykh ranenij, operativnoe lečenie. Ibid., 245–51. ——— Osložnenija i ikh lečenie; krovotečenija, hematomy, anevrizmy, flegmony i dr. Ibid., 252–6. ——— Vnutričerepnye gnojnye i proćie osložnenija. Ibid., 258.—**Melkumova, A. S.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; gryži želudočkov mozga. Ibid., 508–15, 3pl.—**Molčanov, N. S.** Nekotorye izmenenija so storony vnutrennikh organov. Ibid., 141–6.—**Nikolsky, V. A.** Ognestrelnye nepronikajušćie ranenija kostej čerepa; osloženija i ikh lečenie; epiduralnye hematomy. Ibid., 296–9. ——— Kontuzionnye očagi. Ibid., 303. ——— Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; vnutrimozgovye hematomy. Ibid., 422–5, pl.—**Rapoport, M. J.** Izmenenija so storony nervnoj sistemy; period likvidacii rannikh osložnenij i period pozdnikh osložnenij. Ibid., 119–25. ——— Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; oboločečno-mozgovye rubcy, slipčivye arakhnoidity, subarakhnoidalnye kisty i rubcovye bolevye sindromy tverdoj mozgovoj oboločki pozdnikh periodov. Ibid., 489–97. ——— & **Podgornaia, A. J.** Patogenez, klinika, tečenie travmatičeskoj epilepsii pozdnikh periodov. Ibid., 516–20.—**Razdolsky, I. J.** Izmenenija so storony nervnoj sistemy; načalnyj period i period rannikh reakcij i osložnenij. Ibid., 110–9.—**Revjakin, L. P.** Povreždenija perifiričeskoj nervnoj sistemy voennogo vremeni; evakuacija, sortirovka i sanitarnyj transport. In: Osn. voen. polev. neirokhir. (Bondarčuk, A. V.) Leningr., 1942, 268–71.—**Roeklin, L. L.** Sérülési epilepszia agylövésck után. Honvédorvos, 1950, **2**: 447 (abstr.)—**Romm, S. Z., & Rosenfeld, I. M.** Kombinirovannye ranenija čerepa, ukha i pridatočnykh pazukh nosa. In: Opyt. sovet. med. v Velik. otеč. vojne, Moskva, 1949, **4**: 362–72.—**Samotokin B. A.** Obšćaja klassifikacija boevykh povreždenij čerepa i golovnogo mozga i statističeskie dannye. Ibid., 51–60. ——— Ognestrelnye ranenija mjagkikh tkanej čerepa; lečenie neosložnennykh ranenij, obšćie principy vedenija ranenykh. Ibid., 251. ——— Rezultaty lečenija. Ibid., 259–61.—**Shamov, V. N.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga: likvorreia i likvornye sviści. Ibid., 432–45. ——— & **Samotokin, B. A.** Obšćie principy lečenija ognestrelnykh ranenij čerepa i golovnogo mozga. Ibid., 166–86, 6pl.—**Shefer, D. G.** Ognestrelnye ranenija mjagkih tkanej čerepa; osteomielity čerepa. Ibid., 256–8. ——— Ognestrelnye nepronikajušćie ranenija kostej čerepa; osloženija i ikh lečenie; osteomielity. Ibid., 304–12, pl. ——— Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; pozdnie abscessy mozga. Ibid., 472–82, 2pl. ——— & **Filshtinsky, M. M.** Ognestrelnye nepronikajušćie ranenija kostej čerepa; lečenie neosložnennykh ranenij. Ibid., 293–6.—**Shmarian, A. S.** Izmenenia so storony isikhičeskoj sfery. Ibid., 125–32.—**Shubin, N. V., & Lapušinskaja, V. M.** Klinika i lečenie ognestrelnykh čerepnomozgovykh povreždenij v Otečestvennoj vojne. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 5.—**Smirnov, L. I.** Ognestrelnye nepronikajušćie ranenija kostej čerepa; nekotorye dannye po patologičeskoj anatomii. In: Opyt sovet. med. v Velik. otеč. vojne. Moskva, 1949, **4**: 267–74, pl. ——— & **Kisilevsky, V. L.** Patologičeskaja anatomija ognestrelnykh ran čerepa i golovnogo mozga. Ibid., 70–104, 4pl.—**Terian, K. G.** Ognestrelnye ranenija mjagkikh tkanej čerepa; klinika. Ibid., 241–5.—**Triumfov, A. V.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; kisty mozga. Ibid., 497–503, 2pl.—**Tron, E. Z.** Poraženija nervnogo apparata glaza. Ibid., 1950, **7**: 240–62.—**Uspensky, E. A.** Pronikajušćie ognestrelnye ranenija čerepa i golovnogo mozga; nekotorye dannye po patologičeskoj anatomii. Ibid., 1949, **4**: 331–40, 4pl.—**Vaskin, I. S.** Chastnaja simptomatologija i diagnostika ognestrelnykh ranenij perifiričeskikh nervov. In: Osn. voen. polev. neirokhir. (Bondarčuk, A. V.) Leningr., 1942, 286–312.

—— Russo-German War—Neuropsychiatry: Diseases.

Неврология Военного Времени; теория и пратика. 2v. 410p.; 329p. 26½cm. Moskva, 1949.

Нервные и Психические Заболевания военного времени. 271p. 27cm. Moskva, 1948.

Aronovich, G. D., & Midianc, M. K. Infekcionnye zabolevanija nervnoj sistemy; proćie infekcionnye zabolevanija centralnoj nervnoj sistemy v perjod vojny. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **26**: 233–6.—**Belinky, N. L., & Shapoval, A. N.** Sravnitelnaja kharakteristika dalnevostočnogo i volkhovskogo kleščevogo encefalita. Ibid., 196–200.—**Bondarev, N. I.** [Psychiatric service in the Army] Voen. san. delo, 1943, No. 7, 44.—**Davidenkov, S. N.** Nervnye bolezni; zaključenie. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **26**: 291–309.—**Detenhof, F. F.** Psikhiatrija v Uzbekistane vo vremja vojny. Nevropat. psikhiat., 1945, **14**: No. 4, 72–4.—**Eliseev, V. A., Popova, M. I., & Rodionova, E. P.** Bolezni perifiričeskoj nervnoj sistemy; pojasnično-krestcovye radikulity, nevrity i nevralgii. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **26**: 117–27.—**Gorovoj-Shaltan, V. A.** Nevrozy; obšćie dannye. Ibid., 39–43. ——— Nevrozy; reaktivnye nevrozy. Ibid., 91–7.—**Graščenkov, N. I.** Infekcionnye zabolevanija nervnoj sistemy; Japonskij encefalit. Ibid., 200–24.—**Handelman, N. J.** Sosudistye zabolevanija golovnogo mozga; trombozy i embolii sosudov golovnogo mozga. Ibid., 271–3.—**Karčikian, S. I., & Kačaev, V. A.** Bolezni perifiričeskoj nervnoj sistemy; mononevrity i nevralgii. Ibid.,

112–7.—**Kasparov, B. S.** [Psychoneurologic service in a military unit during one year] Nevropat. psikhiat., 1943, **12**: No. 5, 67.—**Klosovsky, B. N., & Minkin, S. J.** Otek i nabukhanie golovnogo mozga. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **4**: 61–5.—**Lobova, L.** Psychiatrie v SSSR za války. Neur. & psychiat. česká, 1948, **10**: 287–9.—**Lukomsky, I. I.** [Activity of the Moscow society of neuropathologists and psychiatrists during the present war] Nevropat. psikhiat., 1942, **11**: No. 5, 61–82.—**Manulkin, M. M.** Infekcionnye zabolevanija nervnoj sistemy; brucellezny zabolevanija nervnoj sistemy. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **26**: 225–33. ——— **Razdolsky, I. J., & Semenova-Tian-Shanskaja, V. V.** Bolezni periferićeskoj nervnoj sistemy; polinevrity. Ibid., 127–40.—**Ozerecky, N. I.** Psikhićeskie izmenenija pri arterialnoj hipertonii. Ibid., 273–81.—**Popov, E. A.** Nevrozy; nevrastenija, astenićeskie sostojanlja i nevrozy istošćenija. Ibid., 43–50. ——— Navjazćivye sostojanija i psikhastenija. Ibid., 50–5.—[**Psychoneurological** work in Omsk during the present war] Nevropat. psikhiat., 1942, **11**: No. 5, 85–7.—**Ravkin, I. G.** Zabolevanija centralnoj nervnoj sistemy toksićeskogo proiskhoždenija. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **26**: 237–62.—**Razdolsky, I. J.** Sosudistye zabolevanija golovnogo mozga; obšćie dannye; hemorragićeskij insult. Ibid., 263–71, 2pl.—**Semenova-Tian-Shanskaja, V. V.** Patologićeskaja anatomija nevritov i polinevritov. Ibid., 102–12, 2pl. ——— **& Shapoval, A. N.** Patomorfologija kleščevogo encefalita. Ibid., 146–62, 3pl.—**Shapoval, A. N.** Etiologija kleščevogo encefalita. Ibid., 141–6. ——— Klinika, terapija i profilaktika kleščevogo encefalita. Ibid., 162–7.—**Sneźnevsky, A. V.** Opyt raboty frontovogo nevropsikhiatrićeskogo hospitalja v Velikuju otećestvennuju vojnu. Voen. med. J., Moskva, 1947, No. 2, 23–31.—**Timofeev, N. N.** [Psychiatry during wartime] Voen. san delo, 1942, No. 9, 34–6. ——— [Psychiatric service in the active Army] Nevropat. psikhiat., 1943, **12**: No. 5, 53. ——— Infekcionnye zabolevanija nervnoj sistemy; psikhićeskie rasstrojstva pri kleščevom encefalite. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **26**: 193–6.—**Triumfov, A. V.** Epilepsija. Ibid., 282–90.

—— Russo-German War—Public health aspect.

See also subheading (Russia—Sanitation)

Black, E. Soviet health in wartime. 15p. 18cm. Lond., 1943.

Cherkinsky, S. N. [Tula province after German occupation] Hig. & san., Moskva, 1943, **8**: No. 2, 52–6.—**Chetverikov, V. S.** [Results of the fifth Plenum of the Sanitary-epidemiological Council of the Public Health of the USSR] Ibid., 1944, **9**: No. 6, 46–51.—[**Correction** of the results of Fascist mismanagement in three regions of the Orel province] Ibid., 1943, **8**: No. 8, 43–5.—**Falk, L. A.** Health in Byelorussia, a devastated area of the Soviet Union. Am. Rev. Soviet M., 1946–47, **4**: 306–13.—**Kolesnikov, S. A.** Sovetskoe zdravookhranenie v dni Velikoj otećestvennoj vojny. In: 25 let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 17–35.—**Lejkin, V. I.** O khode likvidacii mediko-sanitarnykh posledstvij vojny v Velikolukskoj oblasti. In: Tr. Konf. izuch. med. san. posled. vojny (1946) 1948, 2. Conf., **1**: 38–45.—**Medico-sanitary** consequences of the war and measures for their liquidation. In: Five-year Plan (Moskva Akad. med. nauk) 1948, 13–6.—**Miterev, G. A.** [Program of the public health for the winter of 1942–43 in the U. S. S. R.] J. mikrob., Moskva, 1942, No. 11, 3–14. ——— [Soviet care of public health during the present war] Sovet. zdravookhr., 1944, No. 7, 3–7. ——— Itogi raboty organov zdravookhranenija za gody Velikoj otećestvennoj vojny i pjatiletnij plan na 1946–50 gg. Med. rabot., 1946, **9**: No. 27, 2.—**Neupokoeva, T. L.** [Achievements of public health in villages during the present war] Feldsher, Moskva, 1943, No. 10, 7–13.—**Petrov, B. D.** [Care of public health in regions freed from the enemy] Probl. tuberk., Moskva, 1942, No. 1/2, 3–13.—**Rehabilitation** of Russian territory formerly occupied by Nazis. J. Am. M. Ass., 1943, **123**: 976.—**Shkliar, B.** [The results of fascist occupation on public health in the Stavropol region] Hig. & san., Moskva, 1944, **9**: No. 4, 38–43.—**Sysin, A. N.** Scientific work in the domain of hygiene and city planning during the present war] Sovet. zdravookhr., 1944, No. 6, 7–14.—**Tapelsohn, S. L.** [The work of regional departments of public health during war] Ibid., 1943, No. 12, 21; 1944, No. 3, 26.—**Tretiakov, A. F.** [Tasks during the autumn-winter period of 1943–44] Ibid., No. 9, 41–7.—**Weber, L. G.** [Organization of the preventive medical work in the liberated areas] Hig. & san., Moskva, 1944, **9**: No. 7, 48–53.

—— Russo-German War—Sanitation.

See also subheading (Russia—Sanitation)

Gruško, J. M. Zkušenosti hygieniků Sovětské armády z velké vlastenecké války. Voj. zdrav. listy, 1948, **17**: 35–7.—**Krotkov, F. G.** Voennaja higiena v Otećestvennuju vojnu. Voen. med. J., Moskva, 1945, 47–52. ——— Higiena pitanija vojsk po opytu Velikoj otećestvennoj vojny. Ibid., March, 45–53.—**Lipkin, G.** Voenno-sanitarnyj protivoepidemićeskij otrjad. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 933–5.—**Piatkin, K. D.** Chetyrekhletnij opyt raboty SEO v dejstvujušćej armii. Hig. & san., Moskva, 1946, **11**: No. 4, 46.—**Savenko, G., & Anshelievich, R.** Voenno-sanitarnyj poezd. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 924–33.—**Shoshin, A.** Voenno-sanitarnoe opisanie. Ibid., 923.—**Stenberg, A. I.** [Provisional alterations carried in the food-sanitary laws in the Great Patriotic War] Hig. san., Moskva, 1944, **9**: No. 10, 23–30.

—— Russo-German War—Surgical aspect.

Korovin, A. S. Записки военного хирурга. 288p. 19½cm. Moskva, 1948.

Kuprijanov, P. A. Хирургия. Разд. 6: Огнестрельные ранения и повреждения груди. 368p. 26½cm. Moskva, 1950.

Forms v.**10**, Opyt sovet. med. v Velik. oteć. vojne.

Mysh, V. M. Материалы к истории хирургии военного времени, 1938–44 гг. 195p. 23½cm. Novosibirsk, 1947.

Uralskij voennyj okrug. Sanitarnyj otdel. Сборник научных работ по лечению огнестрельных ранений и отморожений в госпиталях глубокого тыла. 564p. 25½cm. Sverdlovsk, 1941.

Banajtisz, S. I. A hasi sebesülések gyógyitási eredményei a Nagy Honvédő Háború tapasztalata alapján. Honvédorvos, 1950, **2**: 437 (Abstr.)—**Berkutov, A. N.** Lećenie ranennykh v život vo frontovykh lećebnykhućreždenijakh. In: Opyt sovet. med. v Velik. oteć. vojne. Moskva, 1949, **12**: 110–5.—**Burdenko, N. N.** Lećenie ognestrelnykh ranenij v period Velikoj otećestvennoj vojny na fronte. Vest. khir., 1946, **66**: No. 5, 91. Also Tr. Vsesoiuz. sezda khir. (1946) 1948, 25. meet., 32–52.—**Entin, D. A.** Predvaritelnye itogi lećenija ćeljustno-licevykh ranenykh v Otećestvennoj vojne. Voen. med. J., Moskva, 1947, No. 3, 3–12. ——— Lećenie ognestrelnykh ranenij i povreždenij lica i ćeljustej do Velikoj otećestvennoj vojny. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **6**: 15–27. ——— Evoljucija metodov lećenija ranenij i povreždenij lica i ćeljustej vo vremja Velikoj Otećestvennoj vojny. Ibid., 73–87, 4pl.—**Feofilov, P. D.** Lećenie ognestrelnykh perelomov bedra po materialam mežarmejskoj hospitalnoj bazy 3. Belorusskogo fronta. Voen. med. J., Moskva, 1946, No. 9, 7–10.—**Flerovsky, A. Y.** Iz praktiki khirurgićeskogo otdelenija tylovogo hospitalja. Voen. san. delo, 1940, No. 8, 35–9.—**Girgolav, S. S.** [A year of surgical work at the front] Ibid., 1942, No. 7, 11–4. ——— Ob obobšćenii po lećeniju ranenykh v Vclikuju otećestvennuju vojnu. Tr. Vsesoiuz. sezda khir. (1946) 1948, 25. meet., 529–36. ——— **& Libov, L. L.** Lećenie ognestrelnykh ran. In: Opyt sovet. med. v Velik. oteć. vojne. Moskva, 1950, **1**: 78–122. ——— Pervaja pomošć i lećenie ranenogo. Ibid., 91–7.—**Goldhammer, K. K.** [The treatment of penetrating wounds of the thorax at the hospital of the second echelon] Khirurgia, Moskva, 1942, No. 9, 33–41.—**Ivaščenko, G. M., Fialkovsky, V. V.** [et al.] Lećenie ranenij mjagkikh tkanej lica. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **6**: 107–18.—**János, G.** Tábori sebészet a szovjetunió nagy honvédő háborújának tapasztalatai alapján. Honvédorvos, 1950, **2**: 715–7.—**Kokaja, Z. V.** Opyt lećenija invalidov Otećestvennoj vojny v otdelenii vosstanovitelnoj oftalmokhirurgii. Vest. oft., 1945, **24**: No. 3, 35–8.—**Limberg, A. A., Velikanova, M. M.** [et al.] Vosstanovitelnaja khirurgija mjagkikh tkanej lica i ćeljustej v Velikoj otećestvennoj vojne. In: Opyt sovet. med. v Velik. oteć. vojne. Moskva, 1950, **6**: 331–73, 8 pl.—**Makarov, I. D.** Bibliografia po voennoi medicine za gody 1941–45gg; voenno-polevaia khirurgia; shok; rany i ikh lećenie. Voen. med. J., Moskva, 1947, 52; No. 2, 57; No. 3, 41.—**Nedelja** voenno-polevoj khirurgii; prikaz po Narkomzdravu SSSR ot 18/III 1941 g., No. 118. Sborn. prikaz. instruke. Narkomzdr., 1941, No. 2, 5.—**Nikolaev, G. F.** Dovraćebnaja i vraćebnaja pomošć pri ranenijakh v život. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **12**: 78.—**Pešek, J.** Organisace a rozsah chirurgické pomoci na evakuačních etapách zdravotnické služby sovětské armády za Velké vlastenecké války. Voj. zdrav. listy, 1949, **18**: 73–82.—**Poljak, B. L.** Khirurgićeskaja obrabotka pri pronikajušćikh i skvoznykh ranenijakh glaza, a takže pri razrušenijakh glaznogo jabloka. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **7**: 102–16, 5 pl.—**Popov, F. A.** Vosstanovitelnye operacii pri defektakh naružnogo nosa i ušnoj rakoviny. Ibid., **8**: 246–58, 10 pl.—**Priorov, N. N.** [Restorative surgery in the treatment of disabled soldiers of the present war] Sovet. zdravookhr., 1943, No. 6, 10–6.—**Rufanov, I. G.** Lećenie ognestrelnykh ranenij v period Velikoj otećestvennoj vojny v tylu. Vest. khir., 1946, **66**: No. 5, 93. Also Tr. Vsesoiuz. sezda khir. (1946) 1948, 25. meet., 53–64.—**Shereševskaja, O. I.** Lećenie invalidov Otećestvennoj vojny s otdalennymi posledstvijami boevykh povreždenij glaza i ego pridatkov. Vest. oft., 1945, **24**: No. 4, 15–9.—**Titov, V. I.** Obšćie principy okazanija pomošći i etapnogo lećenija ranennykh v život; operiruemost ranenykh s pronikajušćimi ranenijami života. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1949, **12**: 92–5. ——— Posleoperacionnoe tećenie ranenij života i lećenie ikh v vojskovom i armejskom rajonakh. Ibid., 105–10.—**Vankević, M. M.** Ortopedićeskie meroprijatija pri osteoplastićeskom zameščenii obširnykh izjanov nižnej ćeljusti. Ibid., 1950, **6**: 369–73.—**Velikanova, M. M.** Kratkij obzor metodov ortopedićeskogo lećenija ognestrelnykh perelomov nižnej ćeljusti v hospitaljakh fronto-

vogo i tylovogo rajona. Ibid., 165–71.—**Zabludovsky, A. M.** Leĉnie ranenij života do Velikoj otečestvennoj vojny. Ibid., 1949, 12: 19–31.—**Zbarž, J. M., Uvarov, V. M., & Tanfiljev, D. E.** Ognestrelnye ranenija verkhnej čeljusti; leĉenie. Ibid., 1950, 6: 192–203.

—— Russo-German War—Therapeutics.

Bagdasarov, A. A. [Blood transfusion work of the Central Institute of the Order of Lenin during the present war] Sovet. zdravookhr., 1944, No. 7, 24–7. ——— Perelivanie krovi v evakobospitaljakh v period Velikoj otečestvennoj vojny. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 17–31.—**Kulikova, A. I.** Perelivanie krovi za dva goda Otečestvennoj vojny. In: Vopr. pereliv. krovi, Gorky, 1944, 332–5.—**Nalimov, B. S., & Schwarz, Z. S.** Leĉenie krovoizlijanij v legočnuju tkanj. In: Opyt sovet. med. v Velik. otеč. vojne. Moskva, 1950, 29: 34–8.—**Nechaev, E. N.** Metody raboty Gorkovskoj oblastnoi stancii perelivanija krovi v gody Velikoj otečestvennoj vojny. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 414–9.—**Shamov, V. N.** Perelivanie krovi vo vremja Otečestvennoj vojny. Vest. khir., 1946, 66: No. 2, 13–22.

—— Russo-German War—Transactions of German forces.

Bircher, R. Drei Monate an der Ostfront; Tagebuch November 1942 bis Februar 1943. p.296–365. 23cm. Zofingen, 1945.
In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945.

Eichenberger, E. Als Rotkreuzschwester an der Ostfront; Erlebnisbericht. 234p. 20cm. Zür., 1945.

Schweizer Aerzte an der Ostfront; wehrmedizinische Aufsätze und Erlebnisberichte. 415p. 23cm. Zofingen, 1945.

Angerer, H. Kriegschirurgische Beobachtungen aus einem Reservelazarett während des ersten Vierteljahres-Einsatzes im Russlandfeldzuge. Chirurg, 1942, 14: 257–64.—**Aschenbrenner, R.** Beobachtungen zur Symptomatologie und Therapie der Durcbfallkrankheiten bei einer Sanitätskompanie in Russland. Münch. med. Wschr., 1942, 89: 711–7.—**Bachmann, W.** Epidemiologische Erfahrungen bei der Ruhr in einem Armeebereicb während des Ostfeldzuges 1941. Arch. Hyg., Münch., 1942, 128: 1–10.—**Baumann, E.** Kälteschäden im Kriege. In: Scbweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 81–106, 9 pl.—**Bernoulli, R.** Einführung in die erste Hilfe. Ibid., 399–415.—**Bloch, H.** Zur Frage der chemischen Wundbehandlung in der Kriegschirurgie. Ibid., 133–9.—**Buchka.** Kriegschirurgiscbe Erfahrungen aus dem Ostfeldzug. Arcb. klin. Cbir., 1944–45, 206: 629–39.—**Escher, F.** Der Aufbau und der Betrieb einer Hals-Nasen-Obren-station im Kriegslazarett. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 241–6.—**German** strategical picture of Smolensk and Kiev. Army M. Bull., 1941, No. 58, 145–7.—**Gerstenberg, H.** Die akute Glomerulonephritis im russischen Winterfeldzug. Deut. med. Wschr., 1942, 68: 929–34.—**Haberer, H. v.** Kriegscbirurgische Erfahrungen aus dem Ostfeldzug 1941. Münch. med. Wschr., 1942, 89: 437–42.—**Hegglin, R.** Ueber die Bedeutung der Triage in den inneren Abteilungen der Feld- und Kriegslazarette. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 140–5.—**Hoff-Graz, F.** Beobachtungen bei der Rubr in Sowjetrussland 1941. Münch. med. Wscbr., 1942, 89: 1049–53.—**Howald, R.** Zur Psycbologie des Kriegserlebnisses. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 283–9.—**Huck, P.** Hauptverbandplatz Cholm. Deut. Aerztebl., 1943, 73: 161–6.—**Hügi, E.** P. Lazarettort einer Gruppe der schweiz. Aerztemission. In: Schweiz. Aerzte a. d. Ostfront, Zofingen. 1945, 290–5.—**Kammerer, E.** Zehn Eier für eine Bauchoperation; sie wenden sicb an deutsche Aerzte; russische Bauern fahren ihre Kranken zum deutschen Lazarett. Münch. med. Wscbr., 1941, 88: 1099.—**Kern, P.** Erfahrungen aus dem Ostfeldzug. Ibid., 1942, 89: 1005–7.—**Koller, F.** Moderne Kriegsseuchen. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 125–32.—**Kosic, H.** Kriegschirurgischer Erfabrungsbericht aus einer im Winter 1942 an der Ostfront eingesetzten Fallschirmjäger-Sanitätskompanie. Wien. med. Wschr., 1944, 94: 149–52.—**Kuoch, A.** Bericht über den Abtransport am 13. Febr. 1940. In: Klin. & Behandl. d. örtl. Erfrier. (Debrunner, H.) Bern, 1941, 23–7, pl.—**Löhe, H.** Die Erfrierung mit besonderer Bcrücksichtigung der Beobachtungen im Winterfeldzug 1941/42. Arch. Derm. Syph., Berl., 1943, 184: 45–58. Also Derm. Wschr., 1943, 116: 244–6.—**Markwalder, E.** Die Herstellung der Transportfähigkeit auf dem Verbandplatz. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 260–70.—**Melli, H.** Erweitcrung militärischer Fussbygiene durch gezieltes Fusstraining. Ibid., 388–98.—**Mrugowsky, J.** Die Seuchenlage im europäischen Teil der UdSSR. Prakt. Desinfekt., 1942, 34: 115–20.—**Naegeli, T.** Die Bedeutung primärer sachgemässer Wundbehandlung im Kriege. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 58–62. ——— Erinnerungen und Erlebnisse an der Ostfront im Winter 1941/42. Ibid., 275–82.—**Plugfelder, G.** Kriegserfahrungen über bazilläre Ruhr. Ibid., 119–24.—**Pradervand, E.** Eindrücke und Erfahrungen als Internist in einem Kriegslazarett der Ostfront. Ibid., 146–58.—**Puoz, de.** Der Shock; Ursachen, Verhütung und Behandlung. Ibid., 159–63. ——— Ueber Kälteschäden. Ibid., 107–18.—**Rauber, A.** Ein Lehrbuch für Simulanten. Ibid., 379–87, 6 pl.—**Roulet, R. de.** Installation de la salle d'opération à Lemberg. Ibid., 271–4.—**Rüdisser, E.** Beobachtungen zur Pathogenese und Actiologie von Nierentzündungen im Feldzug im Osten Winter 1941–42. Bull. War M., Lond., 1942–43, 3: 402 (Abstr.)—**Schrank, H.** Chirurgische Erfahrungen bei einem Divisionsfeldlazarett während des Feldzuges gegen Sowjetrussland. Zbl. Chir., 1942, 69: 1596–601.—**Schredl, L.** Spezielle Chirurgie im Ostfeldzug. Münch. med. Wschr., 1942, 89: 963–6.—**Schweizer** Aerztekommission. Praxis, Bern, 1942, 31: 131.—**Schweizerische** Acrztemission für die Ostfront. Ibid., 1941, 30: 811.—**Stark, W.** Bericht über einen vorgeschobenen H. V.-Platz im freien Gelände. Deut. Militärarzt, 1942, 7: 408–10.—**Starlinger, F.** Fehler und Gefahren chirurgiscben Handelns im Ostfeldzuge. Ibid., 343–50. Also Zbl. Chir., 1943, 70: 1535–7 (Abstr.)—**Sypcher, C. O. R. L.** Erfabrungen aus dem Kriegslazarett. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 247–59.—**Vuilleumler, P.** Médecine interne de guerre. Ibid., 202–7.—**Wassmer, F.** L'état de shock. Ibid., 164–8. ——— Les plaies du crâne et du cerveau; plaies thoraciques; les plaies articulaires. Ibid., 169–94. ——— Les amputations et les indications qui les justifient sur le front. Ibid., 195–8. ——— Les hémorragies secondaires et tardives. Ibid., 199–201.—**Weyeneth, R.** Erfahrungen über gas- und ödembildende Infektionen an der Ostfront. Ibid., 63–80.—**Z., N. Z.** Zweite schweizerische Aerztemission. Praxis, Bern, 1942, 31: 73.—**Zehnder.** Der Kriegsschädelverletzte. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 208–19.—**Zimmer, E. A.** Kieferchirurgische und kieferröntgenologische Beobacbtungen im Kriege. Ibid., 220–40, 28 pl.

—— Russo-German War—Transportation and evacuation.

Babijčuk, A. N. Nekotorye voprosy leĉebno-evakuacionnogo obespečenija boevykh dejstvij častej VVS na Kubani i Kerčenskom poluostrove v 1943 i 1944 gg. Voen. med. J., Moskva, 1945, April, 35.—**Bogatyrev, M. F.** [Work of casualty evacuation trains in the Soviet Union during the present war] Sovet. med., 1942, 6: No. 10, 28.—**Kadin, L. S.** Kratkij analiz itogov leĉebno-evakuacionnogo obespečenija boevykh dejstvij vojsk N-skoj armii ot Visly do Odera. Voen. med. J., Moskva, 1945, No. 12, 3–10.—**Libov, L. L.** Kharakteristika etapov evakuacii i ikb leĉebnoj funkcii. In: Opyt sovet. med. v. Velik. otеč. vojne, Moskva, 1950, 1: 98–120.

—— Ryūkyū Islands.

See also subheading (Japan)

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 14: Health and disease in the Nansei Islands (Ryūkyū Islands) 6p. 27cm. Orlando, 1944.

—— Saint Thomas.

See with subheading (Virgin Islands)

—— Saipan.

See also subheading (Mariana Islands)

Beam, R. S., & Marshall, J. T., jr. Filariasis on Saipan. In: Prev. Med. in World War II, Wash., 1948, 5: 51–5.—**Control** of dengue on Saipan. Bull. U. S. Army M. Dep., 1945, No. 84, 1.—**Cornell, W. S.** Experiences as chief of tbe surgical service of a 2,000-bed Army general bospital on the Island of Saipan. South. M. & S., 1945, 107: 357–9.—**Embree, J. F.** Military government in Saipan and Tinian. Appl. Anthrop., 1946, 5: 1–39.—**Lucas, J. G.** Illinois doctor in Saipan invasion. Illinois M. J., 1944, 86: 185.—**Michael, P.** War wound infections; battle casualties from the Saipan campaign with special reference to infections due to clostridia. U. S. Nav. M. Bull., 1945, 45: 83–7.—**Prompt** evacuation of casualties greatest single factor in saving lives. J. Am. M. Ass., 1944, 125: 1047.—**Saint, C. L.** Medical problems encountered in the field hospital on tbe Saipan-Tinian operations. Mil. Surgeon, 1945, 96: 399–403.—**Saipan.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 8, 5–44.

—— Salerno.

See also subheading (Italian Campaign)

Clark, M. W. General Clark eulogizes medical services at Salerno. J. Am. M. Ass., 1943, 123: 641.—**Salerno.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 16, 1–14.—**Use** (Tbe) of smoke at Salerno. Milit. Rep., Wash., 1944, No. 15, 25–30.

—— Salween Campaign (1942–1944)

See also subheading (Burma Campaign; China-Burma India Theater)

American veterinary officers in the Chinese Army in the Salween Campaign. Vet. Med., Cbic., 1945, 40: 78.—**Owyang, E.** Medical liaison in the China Theater before and during the Salween Campaign. Mil. Surgeon, 1945, 96: 513–6.

—— Samoa.

Byrd, E. E., St. Amant, L. S., & Bromberg, L. Studies on filariasis in the Samoan area. U. S. Nav. M. Bull., 1945, **44:** 1–20.—**Dickson, J. G., Huntington, R. W., jr, & Eichold, S.** Filariasis in defense force, Samoan group; preliminary report. Ibid., 1943, **41:** 1240–51.—**[Mobile** Hospital Number 3, American Samoa] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 14, 44.—**Murray, W. D.** Filariasis studies in American Samoa. U. S. Nav. M. Bull., 1948, **48:** 327–41.—**Webster, E. H.** Filariasis among white immigrants in Samoa. Ibid., 1946, **46:** 186–92.

—— Santa Cruz Islands.

See also subheading (Southwest Pacific)

Miller, J., jr. The Battle of the Santa Cruz Islands. In: U. S. Army in World War II, Wash., 1949, 2, 167–9, illust.

—— Santa Lucia.

St. Lucia. In: Prev. Med. in World War II, Wash., 1948, **7:** 102–6.

—— Savu Island battle.

See also subheading (Netherlands Indies)

Newman, W. A. A dental officer's experience in the battle of Savu Island. Pennsylvania Dent. J., 1944–45, **12:** 87–90.

—— Schouten Islands.

See subheading (Biak)

—— Sevastopol (1941–1942)

See also subheading (Russo-German War)

Pišl-Hájek, V. Lékařská služba v obraně Sevastopolu v letech 1941–42. Voj. zdrav. listy, 1948, **17:** 161–9. ——— Několik vlastních poznatků o plynové gangréně při obraně Sevastopolu v letech 1941–1942. Ibid., 182.

—— Shanghai.

See **Wars and campaigns,** 1937–1945: Sino-Japanese War—Shanghai emergency.

—— Sicily (July–Aug. 1943)

See also subheadings (Italian Campaign; Tunisia)

Alosi, B. Considerazioni sull'approvvigionamento idrico di un centro abitato della Sicilia. Ann. med. nav., Roma, 1943, **49:** 289–94.—**Binning, R.** Sicilian Invasion. J. R. Army M. Corps, 1944, **83:** 265–70.—**Doyle, A. M.** Report of the Canadian Medical Rest Station in the Sicilian Campaign. J. Canad. M. Serv., 1943–44, **1:** 104–6.—**Hutchinson, W. S.,** jr. Use of the 4.2-inch chemical mortar in the invasion of Sicily. Mil. Rev., Fort Leavenw., 1942–43, **23:** No. 8, 13–6.—**In** step with the Q. A.'s; the Sicily Campaign. Nurs. Times, Lond., 1944, **40:** 629.—**Longland, C. J.** Medical organization and experiences in an airborne operation, Sicily. In: Interallied Conf. War Med. (1942–45) 1947, 366–70.—**Murray, R. O., & Mossendew, N. A.** Embarkation of casualties from a beach-head; an article based on experiences in Sicily and Italy. J. R. Army M. Corps, 1944, **83:** 215–9.—**Scott, R.** The invasion of Sicily. R. N., Rutherford, 1943–44, **7:** 32.—**Sheffield, D. G.** Sicilian campaign, 1943. S. Thomas Hosp. Gaz., Lond., 1944, **42:** 142–5.—**Sicily.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 15, 1–27.—**Tomlinson, P.** The Sicilian Campaign; medical planning. In: Interallied Conf. War Med. (1942–45) 1947, 327–9.—**United States** Naval Dispensary, NOB, Palermo. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 15, 28.

—— Sicily—Casualties and diseases.

Sabin, A. B. Field observations on sandfly fever in American Forces with special reference to period of combat in Sicily in 1943. MS. 12p. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

Battle medical experiences. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 15, 13–26.—**O'Malley, C. J. S.** Evacuation of casualties by air during invasion of Sicily and Italy. In: Interallied Conf. War Med. (1942–45) 1947, 329–34.—**Patrick, W.** Some surgical problems in a theatre of war, with special reference to the campaign in Sicily; the general surgical picture. Nurs. Times, Lond., 1946, **42:** 398–400.—**Report** of the neuropsychiatrist on the Sicilian Campaign. J. Canad. M. Serv., 1943–44, **1:** 106.—**Shefts, L. M., & Doud, E. A.** The management of thoracic and thoracoabdominal wounds in the forward areas in the Sicilian and Italian Campaigns. J. Thorac. Surg., 1946, **15:** 205–23.—**Streams** of wounded get swift, efficient treatment. California West. M., 1943, **59:** 175.

—— Siegfried Line.

See with subheading (Europe)

—— Sierra Leone.

See also subheading (West Africa)

Darlow, H. M. Freetown memories. J. R. Nav. M. Serv., 1946, **32:** 263–9.

—— Singapore (1941–1945)

Burgess, R. C. Experiences in the military camp at Singapore. Proc. Nutrit. Soc., Cambr., 1946, **5:** 116–21.—**Cruickshank, E. K.** Experiences in the military camp at Singapore. Ibid., 121–7.—**Duncan, D.** [His Majesty's Naval Base, Singapore; its medical aspects] Deut. Militärarzt, 1940, **5:** 440 (Abstr.)—**Far** East (On the) front; Queen Alexandra Military Hospital. Nurs. Times, Lond., 1941, **37:** 1020.—**Hosie, L. M.** Escape from Singapore. Nurs. J. India, 1944, **35:** 133–6.—**Logan, W. R.** Psychical illness among the Services in Singapore. J. Ment. Sc., Lond., 1941, **87:** 241–55.—**Mockler, E. J.** Return to Singapore. J. R. Nav. M. Serv., 1946, **32:** 272–84.—**Van Doornum, E.** We brought casualties from Singapore. S. Afr. Nurs. J., 1946–47, **13:** No. 10, 14–7.

—— Solomon Islands (1942–1943)

See also subheadings (Bougainville; Gualdalcanal; New Georgia; Santa Cruz; Savu; Western Pacific)

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 7: Health and disease in the Solomon and Bismarck Islands. 8p. 27cm. Orlando, 1944.

Ashore in the Solomons, 7–9 August. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 3, 7–12.—**Crile, G.,** jr. Experiences of the surgical service of the United States Naval Hospital, Auckland, New Zealand, with casualties from the initial Solomon Islands engagement. U. S. Nav. M. Bull., 1943, **41:** 306–24. ——— Flesh wounds. Ibid., 307–15. ——— Burns. Ibid., 315–7.—**Medical** service swift in Solomons. Linacre Q., 1943, **11:** 20–2.—**Sagebiel, J. L., & Bird, L. C.** A study of psychiatric casualties received at U. S. Naval Base Hospital—from the Solomon Islands battle area. U. S. Nav. M. Bull., 1943, **41:** 1627–37.—**Solomons** (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1:** Chap. 3, 1–85.

—— Somaliland (1940–1941)

See with subheading (East Africa)

—— South Africa.

Baigrie, R. D. H. A survey of 267 cases treated at a South African field surgical unit. S. Afr. M. J., 1945, **19:** 108–11.—**Finlayson, M. H.** Outbreaks of dysentery at a military hospital in South Africa. Ibid., 1943, **17:** 173–5. ——— The investigation of outbreaks of dysentery at a military hospital in South Africa. J. R. Army M. Corps, 1944, **82:** 68–72.—**Helman, M.** Acute gastroenteritis among troops at the Cape, 1941, S. Afr. M. J., 1943, **17:** 39.—**Some** suggestions for improvements in the S. A. M. C. by a field ambulance officer. Ibid., 1941, **15:** 307.

—— South Atlantic.

United States. Army Forces, South Atlantic. Medical history World War II, United States Army Forces, South Atlantic. MS. 541p., app. n. p., before Nov. 1945.

MS. in Histor. Div. SGO U. S. Army.

Medical department facilities in the South Atlantic area [tab.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2:** Chap. 15, 92.

—— South China.

See other subheadings (Burma Campaign; China; Japan)

—— South China Sea.

Surgical (A) operation in the South China Sea. Q. Bull. Dir. Gen. M. Serv. Air Min., Lond., 1949, No. 13, 1–3.

—— Southeast Asia.

Scrub typhus investigations in South East Asia. 3v. 32cm. Lond., 1947.

Hoskyn, C. H. Some practical notes for field ambulance commanders on the medical considerations in planning mounting and carrying out combined operations in South-

East Asia Command. J. R. Army M. Corps, 1946, **86**: 236–42.—**Marriott, H. L.** Medical problems of South-East Asia Command. Lancet, Lond., 1945, **1**: 679–84. ——— **Hill, I. G. W.** [et al.] Medical experiences of the war in the South-East Asia Command. Tr. R. Soc. Trop. M. Hyg., Lond., 1945–46, **39**: 461–84.—**R., R. H.** The Army Veterinary Service in South-East Asia Command. J. R. Army Vet. Corps, 1945–46, **17**: 69–73.—**Robinson, J. T.** Air evacuation of casualties in South-East Asia. Ibid., 1946, **87**: 180–90.

—— Southern France.

See also subheadings (France; Marseille)

Bennett, J. W. Experiences as a medical officer aboard an LST on D-Day in Southern France. South. M. & S., 1947, **109**: 185.—**Southern** France. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 18, 1–7.

—— South Pacific (1942–1945)

Coates, W. A. News from the South Pacific; a letter from one of our medical Marines. News Lett. Suffolk Co. M. Soc., 1943, **21**: 35.—**Parker, P. B.** Emergency housing in the South Pacific. Mil. Engin., 1943, **35**: 509.—**Vaughan-Jones, R.** Some South Sea islands. J. R. Nav. M. Serv., 1941, **27**: 175; 1942, **28**: 165.—**Wolfert, I.** From a South Pacific notebook. American Mercury, 1944, **58**: 165–71.

—— South Pacific—Air Force.

Kalez, M. M. Observations on the odd and strange war in the South Pacific. J. Aviat. M., 1944, **15**: 85–92.—**Rice, D. M.** Flight to Kirawagi. Am. J. Nurs., 1945, **45**: 10.—**Staff** Medical Office, Marine Aircraft, South Pacific, Fleet Marine Force, 1943. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 9.

—— South Pacific—Casualties and diseases.

Downs, W. G., Harper, P. A., & Lisansky, E. T. Malaria and other insect borne diseases in the South Pacific Campaign, 1942–45; epidemiology of insect borne diseases in Army troops. MS. 33p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army. Also Am. J. Trop. M., 1947, **27**: No. 3, Suppl., 69–89.

Harper, P. A. [et al.] Malaria and epidemic control in the South Pacific Area, 1942–44. MS. 288p. n. p., before Dec. 1946.
MS. in Histor. Div. SGO U. S. Army.

Harper, P. A., Lisansky, E. T. [et al.] Malaria and other insect-borne diseases in the South Pacific Campaign, 1942–1945. 128p. 25½cm. Balt., 1947.
Forms Suppl. to No. 3, Am. J. Trop. M., 1947, **27**:

Harper, P. A., Sasse, B. E. [et al.] Malaria and other insect borne diseases in the South Pacific Campaign, 1942–45; general aspects and control measures. MS. 126p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

Levine, N. D., & Harper, P. A. Malaria and other insect-borne diseases in the South Pacific Campaign, 1942–45; pt IV: Parasitological observations on malaria in natives and troops and filariasis in natives. MS. [9]p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army. Also Am. J. Trop. M., 1947, **27**: No. 3, Suppl., 119–28.

Oman, P. W., & Christenson, L. D. Malaria and other insect-borne diseases in the South Pacific Campaign, 1942–45; entomology. MS. 50p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

Thompson, A. I. Venereal disease, South Pacific Area. MS. 20p. n. p., before Jan. 1946.
MS. in Histor. Div. SGO U. S. Army.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 11: Health and disease in Polynesia (South Pacific Islands) 8p. 27cm. Orlando, 1944.

Alden, H. S., & Jones, J. W. Tropical dermatoses among naval personnel in the South-Pacific area. J. M. Ass. Georgia, 1947, **36**: 75–9.—**Auster, L. S.** Combat injuries in the South Pacific. U. S. Nav. M. Bull., 1944, **42**: 1009–18.—**Bennett, F. O., & Brunette, P. C.** Battle casualties in the South Pacific. N. Zealand M. J., 1944, **43**: 4–8. Also Proc. Univ. Otago M. School, 1945, **22**: No. 3, 1–5.—**Bingham, C. T., & Macke, R. L.** Dermatologic practice in the South Pacific; a review of 1,500 cases. U. S. Nav. M. Bull., 1944, **43**: 17–24.—**Burack, S.** Psychiatric problems on a South Pacific island. Am. J. Psychiat., 1944–45, **101**: 606.—**Crile, G.** Naval casualties in a base hospital in the South Pacific. Arch. Surg., 1944, **48**: 305–14.—**Duemling, W. W.** Cutaneous diseases in the South Pacific; observations among military forces. Arch. Derm. Syph., Chic., 1945, **52**: 75–86.—**Englehorn, T. D., & Wellman, W. E.** Filariasis in soldiers on an island in the South Pacific. Am. J. M. Sc., 1945, **209**: 141–52.—**Fulcher, O. H.** Traumatic lesions of peripheral nerves; experience in South Pacific area. U. S. Nav. M. Bull., 1946, **46**: 325–34.—**Harper, P.** Observations on insect-borne diseases in the South Pacific Campaign. J. Pediat., S. Louis, 1947, **31**: 631–42.—**Henninger, J. M.** Psychiatric observations in a combat area in the South Pacific. Am. J. Psychiat., 1944–45, **101**: 824–6.—**Huntington, R. W.**, jr, **Fogel, R. H.** [et al.] Filariasis among American troops in a South Pacific island group. Yale J. Biol., 1943–44, **16**: 529–37. pl.—**Kennard, H. E.** Casualties in the South Pacific. N. England J. M., 1945, **232**: 101–4.—**McLaughlin, R. R. M.** Treatment of tropical skin diseases in the South Pacific; an outline. U. S. Nav. M. Bull., 1945, **45**: 314–22.—**Oman, P. W.**, & **Christenson, L. D.** Malaria and other insect-borne diseases in the South Pacific Campaign, 1942–1945; entomology. Am. J. Trop. M., 1947, **27**: No. 3, Suppl., 91–117.—**Potts, W. J.** Battle casualties in a South Pacific evacuation hospital. Ann. Surg., 1944, **120**: 886–90.—**Sapero, J. J., & Butler, F. A.** Highlights on epidemic diseases occurring in military forces in the early phases of the war in the South Pacific. J. Am. M. Ass., 1945, **127**: 502–6.—**Sprague, H. B., & McGinn, S.** Heart diseases and disorders as causes for evacuation from the South Pacific combat area. Am. Heart J., 1944, **27**: 568–74.—**Yandell, H. R.** Experience in the treatment of burns; from the South Pacific area. U. S. Nav. M. Bull., 1944, **42**: 829–37.

—— South Pacific—Medical organization and service.

Aldes, J. H. Orthopedic surgery, South Pacific Area. MS. 82p. n. p., before 1946.
MS. in Histor. Div. SGO U. S. Army.

Baker, B. M., jr. History of internal medicine in the South Pacific Area. MS. 108p. n. p., before 1946.
MS. in Histor. Div. SGO U. S. Army.

Barr, V. A. Dental history South Pacific Area. MS. 17p. n. p., before 1946.
MS. in Histor. Div. SGO U. S. Army.

Billings, E. G. History of Neuropsychiatry and neuropsychiatric education in the South Pacific. MS. 78p. n. p., before Feb. 1945.
MS. in Histor. Div. SGO U. S. Army.

Brown, P. W. Dental service in the South Pacific theaters. MS. 52p. n. p., before 1944.
MS. in Histor Div. SGO U. S. Army.

—— Dental history in the South Pacific Base Command. MS. 32p. n. p., before Oct. 1948.
MS. in Histor. Div. SGO U. S. Army.

Kelley, R. B. History of nursing service in the South Pacific, World War II. MS. 28p. n. p., before Jan. 1946.
MS. in Histor. Div. SGO U. S. Army.

Murray, R. Laboratory service, South Pacific Area. MS. 39p., 33 cncl. n. p., before Jan. 1946.
MS. in Histor. Div. SGO U. S. Army.

Parsons, R. P. Mob 3; a naval hospital in a South Sea jungle. 248p. 22cm. Indianap., 1945.

Stevens, F. W. Medicine; South Pacific Area. MS. 39p. n. p., before Dec. 1945.
MS. in Histor. Div. SGO U. S. Army.

Army surgeons in the South Pacific [Illust.] Pharm. Advance, 1942–43, **14**: No. 161, 5.—**Carson, J. E.** A dental officer writes from the South Pacific. Oral Hyg., Pittsb., 1943, **33**: 186–9.—**Crandall, F. G.**, jr. Observations of a medical officer in the South Pacific area. California West. M., 1943, **59**: 319–22.—**Daws, F. E.** Letter from a nurse. Pennsylvania Health, 1943, **4**: No. 4, 11.—**Dyke, L. H.** A clinical laboratory in South Pacific area. U. S. Nav. M. Bull., 1944, **42**: 1401–6.—**General** organization plan; malaria and epidemic control South Pacific [ch.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. C, 8.—**Hanson, T. J.** A dental program in the South Pacific area. U. S. Nav. M. Bull., 1945, **44**: 824–6.—**Kelley, E. H.** War anesthesia in the South Pacific. California West. M., 1944, **61**: 63.—**McMahon, A.** Medicine in the South Pacific. West Virginia M. J., 1944, **40**: 348–55. Also South. M. J., 1945, **38**: 7–12.—**Malaria** and

Disease Control Staff, Headquarters, Commander South Pacific, Noumea, New Caledonia. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. A, 11.—**Master, A. M.** Medicine in the South Pacific. U. S. Nav. M. Bull., 1945, **44**: 308–15.—**Navy** hospital facilities in the South Pacific. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 46–8.—**Personnel** of a hospital in the South Pacific. J. Am. M. Ass., 1943, **123**: 155, portr. (group).—**Redden, R. F.** Dentistry in the Navy and the South Pacific. Contact Point, 1943–44, **21**: 3–6.—**Schmoele, J. M.** The naval mobile hospital in the South Pacific. Virginia M. Month., 1944, **71**: 339–41.

—— Southwest Pacific.

See also subheadings (Borneo; Santa Cruz Islands)

Allied Forces. Allied Geographical Section. Southwest Pacific Area. An annotated bibliography of the Southwest Pacific and adjacent areas, v. 2: The mandated Territory of New Guinea, Papua, the British Solomon Islands, the New Hebrides and Micronesia. 274p. 25cm. Brisbane, 1944.

—— [The same] v. 3: Malaya, Thailand, Indo-China, the China coast and the Japanese Empire. 256p. 25cm. Brisbane, 1944.

Challman, S. A. History of neuropsychiatry in the SWPA. MS. 71p. n. p., 1945.
MS. Several versions, in Hist. Div. SGO. U. S. Army.

Glover, D. M. [Surgical history, SWPA] MS. 135p. n. p., before Jan. 1946.
MS. in Histor. Div. SGO U. S. Army.

Keenan, J. N. History of the Dental Corps in the SWPA, World War II. MS. 86p. n. p., before April 1946.
MS. in Histor. Div. SGO U. S. Army.

Mixter, C. G., jr. The medical support of air warfare in the South and SW Pacific, 7 December 1941–15 August 1945. MS. 4v. n. p., 1948.
Forms No. 35, Rep. Air. Evaluat. Bd SWPA U. S. Air Force.
MS. in Histor. Div. SGO U. S. Army.

Thomas, H. M. History of the medical consultant in the SWPA from September 1943 to September 1945. MS. 97p. n. p., after Sept. 1945.
MS. in Histor. Div. SGO U. S. Army.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 10: Health and disease in Borneo, Celebes, the Moluccas and Lesser Sunda Islands. 8p. 27cm. N. Y., 1944. Also Revised ed., Orlando, 1944.

United States. War Department. Technical bulletin TB MED 75: Medical and sanitary data on the Lesser Sunda and Southwestern Islands. 22p. 26cm. Wash., 1944.

Abbott, K. H. Management of acute craniocephalic injuries of war; methods applied in evacuation hospitals of the SWPTO. Mil. Surgeon, 1946, **98**: 469–82.—**Fritzell, K. E.** Surgical practice in the SW Pacific. Minnesota M., 1945, **28**: 473.—**Gardner, W. J.** Experiences of U. S. Naval Mobile Hospital Unit No. 4 in SW Pacific. Ohio M. J., 1943, **39**: 570.—**Hall, J. B., & Bosse, F. K.** Fighter pilot survey in the SW Pacific; a study of 1000 pilots over a period of 33 months in the theatre of combat. Air Surgeon Bull., 1945, **2**: 227–30.—**Inflammatory** dermatoses in southwestern Pacific areas, with special reference to treatment. J. Mil. M. Pacific, 1945, **1**: No. 3, 44–55.—**Logue, J. B.** Scrub typhus; report of epidemic in the SW Pacific. U. S. Nav. M. Bull., 1944, **43**: 645–9.—**Matas, R.** Glimpses of vascular surgery on the coral reefs of the southwestern Pacific. Am. J. Surg., 1946, **71**: 299–302.—**Murphy, J. B.** War medicine in SW Pacific. Rec. Columbia M. Soc. Richland Co., 1943, **7**: No. 2, 13.—**Rothschild, D.** Review of neuropsychiatric cases in the SW Pacific area. Am. J. Psychiat., 1945–46, **102**: 454–9.—**Shaw, W. J.** The use of medical units in an amphibious landing in the S. W. P. A. Mil. Surgeon, 1945, **97**: 177–84.—**Tucker, D., & Tillinghast, A. J.** X-ray department in SWPA. Bull. U. S. Army M. Dep., 1945, No. 86, 109–14.—**Yeager, G. H.** Medical experiences in the SW Pacific. Bull. School M. Univ. Maryland, 1944–45, **29**: 213–23.

—— Spain.

Pey Belsué, F. Impresiones personales sobre el Servicio de sanidad militar en Alemania y algunas consideraciones sobre el de la División española de voluntarios. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **2**: 191–8.

—— Spitsbergen.

British Task Force, Spitzbergen Operation. Spec. Ser. U. S. Mil. Intell. Serv., 1942, No. 1, 99–116, map.

—— Sudan.

Army nursing in the Sudan. Nurs. Times, Lond., 1942, **38**: 605.—**Howard, W. A.** Medical and sanitary data on Anglo-Egyptian Sudan. Army M. Bull., 1942, No. 64, 23–61.—**MacKenzie, P. Z.** The part played by the animals of the Sudan with the Allied armies, 1940–46. J. R. Army Vet. Corps, 1947–48, **19**: 13–7.—**Nursing** with the Army in a war time station in the Sudan. Brit. J. Nurs., 1942, **90**: 145.—**Stuppell, R.** Memorandum on war surgery at the 53rd General Hospital, Sudan; January 1941–April 1941. J. R. Army M. Corps, 1941, **77**: 283–98.—**Sudan** (The) and its health problems. Ibid., 153–5.—**Walton, R. E.** Observations on Mohammedan Sudanese natives. Air Surgeon Bull., 1944, **1**: No. 11, 23.

—— Sumatra (1942–1945)

See also subheading (Java)

Aalbers, J. G. Wat Nederlandsche artsen op Sumatra meemaakten. Ned. tschr. geneesk., 1946, **90**: 1338–42.

—— Sunda Islands.

See with subheading (Southwest Pacific)

—— Surgical advances.

American war surgery. Med. Rec., N. Y., 1942, **155**: 153.—**Behrend, A.** Some surgical problems of the present war. J. Internat. Coll. Surgeons, 1942, **5**: 308–12.—**DeBakey, M. E.** Military surgery in World War II; a backward glance and a forward look. N. England J. M., 1947, **236**: 341–50.—**Faltin, R.** [Surgical war experiences] Nord. med., 1940, **8**: 2683–6.—**Gray, H. K.** Some of the surgical lessons learned in World War II. Annual Meet. Terr. Ass. Plantation Physicians Hawaii, 1944, **1**: 29–34.—**Kopp, J. G.** [Experiences in the field of war surgery] Geneesk. tschr. Ned. Indië, 1941, **81**: 931–43.—**MacFarlane, J. A.** The trends in military surgery in the first year of the war. Bull. Acad. M. Toronto, 1940–41, **14**: 61–7. Also Canad. M. Ass. J., 1940, **43**: 540–3.—**Ogilvie, W. H.** War surgery; 1943. Proc. Interst. Postgrad. M. Ass. N. America (1943) 1944, 42–4.—**Raine, F.** Advances in surgery during the present war. Annual Meet. Terr. Ass. Plantation Physicians Hawaii, 1944, **1**: 34–9. Also Hawaii M. J., 1944–45, **4**: 236–8.—**Rankin, F. W.** Comments on surgical methods used in World War II. Proc. Interst. Postgrad. M. Ass. N. America (1944) 1945, 200–3.—**Ravdin, I. S.** Advances in military surgery in World War II. Pub. Dep. Surg. Univ. Pennsylvania, 1946, No. 33, 25–7.—**Vernier, J.** Acquisitions chirurgicales de la guerre, 1939–45. Bull. méd. Afrique occid. fr., 1947, **4**: 139–46.—**Wallenstein, C. A.** La cirugía de la segunda guerra mundial. Bol. Col. méd. Holguín, 1945, **3**: 17–9.—**Wassmer, F.** Activité chirurgicale dans une armée au combat. Praxis, Bern, 1945, **34**: 237–40.

—— Surinam.

Dutch Guiana. In: Prev. Med. in World War II, Wash., 1948, **7**: 155–7.

—— Sweden.

Eriksson, J. [Pneumonia epidemic among the regiments stationed at Västernorrland during 1941] Tskr. mil. hälsov., 1941, **66**: 77–9.—**Groth, K. E.** Sjökrigskirurgiska erfarenheter från senaste krig. Ibid., 1944, **68**: Suppl., 202–20.—**Huss, R.** [Hygienic experiences during the mobilization in Norrbotten] Ibid., 1940, **65**: 26–33.—**Kungl.** Maj:t (Till) avgivna yttranden över 1944 års militärsjukvårdskommittés betänkande. del 1. Ibid., 1945, **70**: 162–249.—**Milchev, A.** Uspekhite na voenno-medicinskata služba na švetskata armija prez vreme na vojna II. Lek. pregl., Sofia, 1949, No. 6, 248–62.—**Perman, E.** Krigskirurgiska erfarenheter fran Norrbotten oktober 1944. Tskr. mil. hälsov., 1945, **70**: 21–7.—**Rylander, G.** Militärpsykiatriska erfarenheter i Sverige. Militaerlaegen, 1946, **52**: 4–36.—**Strömberg, E., & Asplund, G.** 1944 Aars militärsjukvårdskommittés betänkande. del 1. Tskr. mil. hälsov., 1945, **70**: 135–61.—**Wahlstedt, A.** Några reflexioner i anknytning till 2½ månaders trupptjänst vid försvarsberedskapen 1940. Nord. med., 1943, **17**: 132–6.—**Wretblad.** Militärpsykiatriska erfarenheter från Karolinska sjukhuset. Ibid., 1944, **21**: 493–502.

—— Switzerland.

See also subheading (Russo-German war—Transactions of German forces)

Alder, A. Seriendurchleuchtung in der Schweizerischen Armee. In: Schweiz. Aerzte a. d. Ostfront, Zofingen, 1945, 369–78.

—— Syria.

Judge, J. Experiences with a veterinary hospital in Syria. J. R. Army Vet. Corps, 1942–43, **14**: 26–8.—**Norris, F. K.** The Syrian Campaign. Med. J. Australia, 1944, **1**: 41–5.—**Robinson, N.** Syrian (The) Campaign. Ibid., 1942, **2**: 377.

—— Tanahmerah Bay operation.

See also subheading (New Guinea)

Tanahmerah Bay-Humboldt Bay-Aitape Operation. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 6, 4–12.

—— Tarawa (1942–1943)

See also subheadings (Gilbert Islands; Guadalcanal; Western Pacific)

Portrayal of medical evacuation of wounded in atoll warfare. Hosp. Corps Q., 1944, **17**: 90–4.—**Tarawa.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 5, 2–15.—**Work** of Navy Medical Corps at Tarawa. J. Ass. Am. M. Coll., 1944, **19**: 61.

—— Taro River.

See also subheadings (Brazil; Italian Campaign)

Peixoto, G. O Serviço de saúde da Divisão brasileira em Fornovo di Taro. Rev. med. mil., Rio., 1948, **37**: 317–25.

—— Thailand.

United States. Army Air Forces. Arctic, Desert and Tropic Branch. Regional medical studies, No. 5: Health and disease in French Indo-China and Thailand. Rev. 6p. 27cm. Orlando, 1944.

United States. War Department. Technical bulletin TB MED 63: Medical and sanitary data on Thailand. 32p. 26cm. Wash., 1944.

Markowitz, J. The R. A. M. C. in Thailand P. O. W. camps. J. R. Army M. Corps, 1946, **86**: 139. ——— The R. A. M. C. in Thailand. Ibid., 141–6.—**Reid, J. A., & Wilson, T.** Report on nutrition, and discussion of the main causes of death, F Force, Thailand. Ibid., 1947, **89**: 149–65.—**Thailand.** Bull. U. S. Army M. Dep., 1944, No. 79, 33.

—— Tinian.

See also subheading (Saipan)

Tinian. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 8, 44–58.—**Tinian** hospitalization ashore. Ibid., 82.—**Tinian** (The) off-shore struggle. Ibid., 51–4.

—— Tobruk (Siege of, 1942)

See also subheading (Libia)

Cooper, E. L. Relapsing fever in Tobruk. Med. J. Australia, 1942, **1**: 635–7. ——— & **Sinclair, A. J. M.** War neuroses in Tobruk; a report on 207 patients from the Australian Imperial Force units in Tobruk. Ibid., **2**: 73–7.—**Goulston, S. J. M.** A regimental aid post in Tobruk. Ibid., **1**: 494–6.—**Green, R.** A dental officer's work in Tobruk and elsewhere. Brit. Dent. J., 1944, **77**: 317–9.—**Hospital** (A) in Tobruk under siege. J. Am. M. Ass., 1942, **120**: 779.—**Logie, N. J.** Treatment of burns at Tobruk. Lancet, Lond., 1943, **1**: 609–11. ——— Organization and treatment of burns; experiences at Tobruk, 1942. In: Interallied Conf. War Med. (1942–45) 1947, 123–6.—**Morlet, C.** With the Australian Army Medical Corps in two sieges; Anzac and Tobruk. Med. J. Australia, 1943, **2**: 221–4.—**Mustardé, J. C.** Tobruk. In his The Sun Stood Still, Lond., 1945, 4. impr., 11–22. ——— The fall of Tobruk. Ibid., 22–32.

—— Tokyo.

See also subheading (Japan)

Parker, J. L. I was a dental officer on the U. S. S. Hornet when Tokyo was bombed. Oral Hyg., Pittsb., 1943, **33**: 1722–6.

—— Travancore.

See also subheading (India)

Abstract from Survey Report on Food Famine and Nutritional Diseases in Travancore, 1943–44. Bengal Pub. Health J., 1945–46, **3**: 197.

—— Trinidad.

See also subheadings (Caribbean Defense; West Indies)

Boucaud, J. E. A. Treatment of war casualties in Trinidad. Carib. M. J., Trinidad, 1942, **4**: 49–57.—**Naval** Operating Base, Trinidad. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 82–6.—**Waller** Field Air Base Dispensary. In: Prev. Med. in World War II, Wash., 1948, **7**: 121–6.

—— Tripolitania.

See under subheading (Libia)

—— Tunisia.

See also subheadings (Libia; Mareth Line; North Africa)

Grinker, R. R., & Spiegel, J. P. War neuroses in North Africa; the Tunisian Campaign. MS. 208p. n. p., after 1943.

MS. in Histor. Div. SGO U. S. Army.

American doctors heroes of Tunisia. Linacre Q., 1943, **11**: 40.—**Bolot.** Quelques considérations pratiques tirées de l'expérience d'un chirurgien d'ambulance d'avant au cours de la campagne de Tunisie. Afrique fr. chir., 1944, **2**: 44–7.—**Bradley, O.** Hospitalization in the final battle in Tunisia. J. Am. M. Ass., 1943, **122**: 1191.—**Burgin, L.** Evacuation of casualties in an infantry division in Tunisia and Sicily. In: Interallied Conf. War Med. (1942–45) 1947, 342–7.—**Curtillet, E.** Le traitement du choc pendant la campagne de Tunisie, 1942–43. Afrique fr. chir., 1943, **1**: 297–303.—**Fremantle, F.** Medical services in Tunisia. Lancet, Lond., 1943, **2**: 28.—**Gezon, H. M.** Investigation of a jaundice epidemic in Tunisia. U. S. Nav. M. Bull., 1944, **43**: 579–89.—**Laurent & Carpentier.** Statistique et traitement de 1,693 blessés de guerre; Hôpital maritime de Sidi-Abdallah, Tunisie. Rev. méd. nav., Par., 1946, **1**: 157–73.—**Medical** results in the Tunisian Campaign. J. Am. M. Ass., 1943, **122**: 823.—**Miller, L. R.** Medical experiences in the Tunisian Campaign. In: Interallied Conf. War Med. (1942–45) 1947, 340–2.—**Note** (A) on surgery in the 8th Army. Brit. M. J., 1943, **2**: 274.—**Parker, G.** A statistical review with some clinical and therapeutic notes on 554 cases operated on by a Field Surgical Unit in the forward area during the Tunisian and Italian Campaigns. J. R. Army M. Corps, 1944, **83**: 73–8.—**Sénégas, R., & Bolot, F.** L'aviation sanitaire française pendant la campagne de Tunisie. Méd. aéronaut., 1946, **1**: 278–88.—**Spiegel, H. X.** Psychiatric observations in the Tunisian campaign. Am. J. Orthopsychiat., 1944, **14**: 381–5.—**Tunisia** picture hoax. Med. Econom., 1942–43, **20**: No. 8, 48, illust.—**Wade, E. W.** Medical arrangements for the First Army in the Tunisian Campaign. In: Interallied Conf. War Med. (1942–45) 1947, 335–9.—**Weddell, J. M.** Surgery in Tunisia; November, 1942, to May, 1943. Brit. M. J., 1944, **2**: 459–62.

—— Turkey.

Ekrem Sadi Kavum [Psychological rôle of the physician and certain particulars in hygiene and treatment of wounds in the present war] Askerî sıhhiye mecmuası, 1941, **70**: No. 34, 2–9. ——— Ikinci Dünya savasında askerî sıhhiye hizmetleri [Military health services during Second World War] Ibid., 1947, **76**: No. 48, 1–8.—**Saib Birken** [Accidents due to cold in the armies with special reference to the World War] Ibid., 1940, **69**: No. 30, 28–48.—**Turkish** (The) mission [to Great Britain] Lancet, Lond., 1944, **1**: 169.

—— Ukraina.

See also subheading (Russo-German War)

Marzeev, A. N. Sanitarnye posledstvija razrušenija gorodov Ukrainy v period vojny i okkupacii 1941–45 gg. In: Tr. Konf. izuch. med. san. posled. voiny (1946) 1948, 2. Conf., **1**: 87–131.

—— Ulithi Islands (1944)

See also subheading (Caroline Islands)

Ulithi (The) Islands. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 9, 22.

—— Unalaska.

See also subheading (Aleutian Islands)

Navy Medical Department Organization; Unalaska subsector, at normal operation [ch.] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 13, App. C, 11.

—— United States (Dec. 7, 1941–1945)

Baldwin, H. W. America at war; summer 1943. Foreign Affairs, 1943–44, **22**: 59–69.—**Porter, W. N.** Our job in 1942. Chem. Warf. Bull., 1942, **28**: 3.—**Thiesmeyer, L. R., & Burchard, J. E.** Wartime alphabet; glossary of abbreviations. In their Combat Scientists, Bost., 1947, 386–91.—**Wilburne, M., & Ceccolini, E. M.** Heart disease in selective service examinees; a study of 20,000 examinees in the Pacific Northwest. Am. J. M. Sc., 1944, **207**: 204–9.

—— United States: Air Force.

Clark, H. G. A review of the personnel and activities of the Preventive Medicine Branch,

Office of the Air Surgeon, 1 April 1942 to 31 December 1945. MS. 27p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

COLEMAN, H. A. Organization and administration, AAF Medical Services in the Zone of Interior. MS. 1v. in 3. 1462p. n. p., before March 1948.
MS. in Histor. Div. SGO U. S. Army.

CUTLER, S. J., & RAFFERTY, J. A. Medical experiences of the U. S. 8th Air Force, January 1943–June 1945. 24p. 26cm. Randolph Field, 1948.
Forms Rep. No. 3, Proj. No. 21-02-014, U. S. Air Force School Aviat. M.

DEEMER, W. L., jr, & RAFFERTY, J. A. Statistical evaluation of the experimental adaptability rating for military aeronautics (ARMA) of World War II. 9p. 26cm. Randolph Field, 1948.
Forms Rep. No. 1, Proj. No. 21-02-097, U. S. Air Force School Aviat. M.

HASTINGS, D. W., WRIGHT, D. G., & GLUECK, B. C., jr. Psychiatric experiences of the Eighth Air Force; first year of combat (July 4, 1942–July 4, 1943) 307p. 23cm. N. Y., 1944.

PAGE, R. C. Air commando Doc. 186p. 22cm. N. Y., 1945.

RUSK, H. A. The Army Air Forces Convalescent Services program. MS. 13p. n. p., before Nov. 1945.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. AIR FORCE. EIGHTH AIR FORCE. Eighth Air Force battle casualty survey. MS. 5v. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

Baldy, R. Le Service de santé de l'air américain pendant la guerre. Méd. aéronaut., 1946, **1**: 48–51.—**Evans, E. T.** Elective surgery of orthopedic conditions in a general hospital servicing the Air Forces overseas. Med. Bull. Medit. Theater U. S., 1945, **3**: 236–40.—**Grant, D. N. W.** The Army Air Forces Medical Services; a two year review. Air Surgeon Bull., 1944, **1**: 1–4. ——— Summary of outstanding accomplishments of AAF medical services in 1943. Clin. Med., 1944, **51**: 144. ——— Five wartime achievements of the Army Air Forces Medical Service. Proc. Interst. Postgrad. M. Ass. N. America (1944) 1945, 93–7.—**Luck, J. V., Smith, H. M. A.** [et al.] Orthopedic surgery in the Army Air Forces during World War II; psychologic problems, convalescent care and rehabilitation. Arch. Surg., 1949, **58**: 75–88.—**Officer** casualties in AAF Medical Service; based on reports received in the Office of the Air Surgeon, 7 Dec. 1941–1 Aug. 1944. Air Surgeon Bull., 1944, **1**: No. 10, 12.—**Rafferty, J. A.** Gunshot wounds in the 8th Air Force in World War II. U. S. Armed Forces M. J., 1950, **1**: 22–5.—**Shands, A. R., jr.** Report on regional fracture-orthopedic conferences of the AAF. Air Surgeon Bull., 1944, **1**: No. 5, 14. ——— The practice of orthopedic surgery in the Army Air Forces in 1942 and 1943. Clinics, Phila., 1943–44, **2**: 966–80.

—— United States—Army.

GREENFIELD, K. R., & PALMER, R. R. Origins of the Army Ground Forces: General Headquarters, United States Army, 1940–42. p.1–157. 25½cm. Wash., 1947.
In: U. S. Army in World War II, Wash., 1947, AGF 1:

—— & WILEY, B. I. The organization of ground combat troops. 540p. 25½cm. Wash., 1947.
Forms v.1, U. S. Army in World War II (AGF)

PALMER, R. R. Reorganization of ground troops for combat. p.261–382. 25½cm. Wash., 1947.
In: U. S. Army in World War II, Wash., 1947, AGF 1:

—— Organization and training of new ground combat elements. p.383–434. 25½cm. Wash., 1947.
In: U. S. Army in World War II, Wash., 1947, AGF 1:

UNITED (The) STATES ARMY IN WORLD WAR II: THE ARMY GROUND FORCES. v.**1–2**; the war in the Pacific. v.**2**. 3v. 25½cm. Wash., 1947–49.

WILEY, B. I. The training of nondivisional units. p.495–560. 25½cm. Wash., 1948.
In: U. S. Army in World War II, Wash., 1948, AGF 2:

—— The preparation of units for overseas movement. p.561–618. 25½cm. Wash., 1948.
In: U. S. Army in World War II, Wash., 1948, AGF 2:

Garcin, F. R. With the 4th Army. Chem. Warf. Bull., 1942, **28**: 22–4.—**Gibson, A.** With the 2nd Army. Ibid., 11–8.—**Greenfield, K. R., & Palmer, R. R.** The development of General Headquarters, United States Army. In: U. S. Army in World War II, Wash., 1947, AGF 1: 1–31, 4 pl. ——— GHQ and the Armored Force. Ibid., 56–72. ——— The dissolution of GHQ and the establishment of Army Ground Forces. Ibid., 143–55.—**Palmer, R. R.** Ground Forces in the Army, December 1941–April 1945; a statistical study. Ibid., 159–184, tab. ——— The 1942 Army. Ibid., 198–211. ——— The 1943 Army. Ibid., 212–30. ——— The 1944–45 Army. Ibid., 231–51. ——— The infantry division. Ibid., 300–18. ——— The armored division. Ibid., 319–35. ——— Experimental divisions. Ibid., 336–50.—**Phipps, F. H.** With the 3rd Army. Chem. Warf. Bull., 1942, **28**: 18–21.—**Shekerjian, H.** With the 1st Army. Ibid., 5–11.—**Wiley, B. I.** Changes in organization. In: U. S. Army in World War II, Wash., 1947, AGF 1: 454–83. ——— AGF liaison at War Department and ASF installations. Ibid., 484–95.

—— United States—Casualties.

BEEBE, G. W., & DEBAKEY, M. E. Battle casualties; incidence, mortality, and logistic considerations. MS. 383p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

EICHNA, L. W. Heat casualty in World War II. Draft 1. MS. 43p. and tables I and X. n. p., before Aug. 1947.

—— The same. Draft 2. MS. 57p., 9p. n. p., before March 1948.
MS. in Histor. Div. SGO U. S. Army.

FRENCH, R. W. Physical aspects of the missile casualty. MS. 121p. n. p., 1947.
MS. in Histor. Div. SGO U. S. Army.

PALMER, A. Missile casualty surveys. MS. 46p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

SNYDER, H. E., & CULBERTSON, J. W. Study of Fifth Army Hospital battle casualty deaths; an analysis of case reports from field and evacuation hospitals on 1450 fatally wounded American soldiers. MS. 3v. 457p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE. MEDICAL STATISTICS DIVISION. Morbidity and mortality in the United States army, 1940–45; preliminary tables, based on periodic summary reports [275]p. 20 x 27½cm. Wash., 1946.

Army battle deaths. Bull. U. S. Army M. Dep., 1946, **6**: 17.—**Battle** casualties by arm or service. Health (U. S. War Dep. Surg. Gen. Off.) 1945, May, 25–7.—**Casualties** in the present [U. S.] Armed Forces. Med. Bull. Veterans Admin., 1942–43, **19**: 237.—**Current** statistical reports and sick and wounded records. Army M. Bull., 1942, No. 61, 82–7.—**Deaths** in American land forces during major wars. Bull. U. S. Army M. Dep., 1946, **5**: 37–9.—**Death** rate of Army wounded almost half that of first World War. J. Am. M. Ass., 1944, **124**: 927.—**Merchant** seamen losses sharply cut. Statist. Bull. Metrop. Life Insur., 1944, **25**: No. 6, 1–3.—**Reduction** in war wound fatalities. Ibid., 1943, **24**: No. 2, 1.—**Thorne, F. H.** A statistical review of 367 blinded service men, World War II. Am. J. Ophth., 1946, **29**: 1285–92.

—— United States—Diseases.

STRAUSS, M. B. Diseases of the blood and blood-forming organs. First draft. MS. 23p. n. p., before July 1946. Also Second draft. MS. 28p. n. p., before Jan. 1948.

TOYE, A. E. Résumé of periodontoclasia in the United States Army during World War II. MS. 29p. n. p., before May 1949.

—— The same. Periodontal and gingival diseases in the United States Army during World War II. MS. 39p. n. p., before May 1949. MS. 39p. n. p., before May 1949.
MS. in Histor. Div. SGO U. S. Army.

United States. Army. Surgeon General's Office. Medical Statistics Division. Report No. 1, D. D. E.: Disability discharges among enlisted men, August 1941 through July 1943. 10p. 27cm. Wash., 1943.

Bean, W. B., Henderson, C. R. [et al.] Percentage of troops with significant medical history [tab.] In: Prev. Med. in World War II, Wash., 1948, **10:** 147.—**Gerwig, W. H.,** jr. Appendicitis; a study of over 500 cases observed during the present emergency in Army hospitals. Mil. Surgeon, 1944, **95:** 291–6.—**Gordon, J. E.** The diarrheas and dysenteries. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 2, No. 1, 1–31, 5 pl., 20 tab., 7 ch.—**Griffith, W. H.** Malnutrition in recovered allied military personnel. Ibid., 2: pt 4, 28–30. ——— Malnutrition, types and treatment. Ibid., 31–5.—**Health** of American troops abroad. Med. Ann. District of Columbia, 1943, 12: 162.—**Hench, P. S.** Rheumatic diseases among American soldiers in World War II. Ann. Rheumat. Dis., Lond., 1947–48, **6:** 68–73.—**Marble, A.** Diabetes mellitus in the U. S. Army in World War II. Mil. Surgeon, 1949, **105:** 357–63.—**Van Auken, H. A.** Incidence of internal disease. In: Prev. Med. in World War II, Wash., 1948, 4: pt 3, 105.

—— United States—Epidemics.

Golz, H. H. Army experiences with malaria in World War II; clinical observations. MS. 56p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

Gordon, J. E. Typhus fever. p.1–54. 27cm. Wash., 1948.
In: Prev. Med. in World War II, Wash., 1948, I: pt 3, Sect. 5, No. 1.

Philip, C. B. Mite-borne diseases in the United States Army in World War II. MS. 71p. n. p., after Oct. 1946.
MS. in Histor. Div. SGO U. S. Army.

—— Scrub typhus and scrub itch in the United States Army in World War II. MS. 66p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

Sabin, A. B. Research on dengue during World War II. MS. 45p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

Corbett, A. J. Scrub typhus. Bull. U. S. Army M. Dep., 1943, No. 70, 34–54.—**Cox, W. C.** Malaria. In: Prev. Med. in World War II, Wash., 1948, **11:** pt 2, 25–68.—**Felsen, J., & Wolarsky, W.** Bacillary dysentery and ulcerative colitis; their occurrence among military and associated personnel, World War II. Gastroenterology, 1947, **9:** 557–61.—**Gordon, J. E.** Amebic dysentery. In: Prev. Med. in World War II, Wash., 1948, 1: pt 3, Sect. 2, No. 1, 25–8. ——— Bacillary dysentery. Ibid., 28–31. ——— Influenza. Ibid., Sect. 3, No. 2, 1–16, map, 11 tab., 10 ch. ——— Epidemic influenza in smaller units of the U. S. Army. Ibid., 7–10. ——— Malaria and others. Ibid., Sect. 5, No. 2, 1–28, pl., 2 map, 8 tab., 3 ch. ——— Relapsing fever. Ibid., 26. ——— Undulant fever. Ibid., Sect. 6, 55.—**Lipman, B. L., Casey, A. V.** [et al.] Scrub typhus; results of a study of the cases of 200 patients admitted to and treated at a station hospital between Feb. 9, 1943 and Feb. 4, 1944. War Med., Chic., 1944, **6:** 304–15.—**Van Auken, H. A.** Typhoid, cholera, typhus, plague and tetanus. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 6. ——— Influenza. Ibid., 7. ——— Yellow fever. Ibid., 7–9.

—— United States—Hospitals.

Ellison, D. M. A history of the Physical Therapy Department of the 31st Station Hospital, January 1943–May 1945. MS. 4p. n. p., before Dec. 1945.
MS. in Histor. Div. SGO U. S. Army.

Bell, J. C., & Heublein, G. W. Diagnostic roentgenology in an Army general hospital during the present war. Radiology, 1944, **43:** 425–85.

—— United States—Infections.

Billings, F. T. Experiences of the U. S. Army Medical Department with Schistosomiasis japonica in World War II. MS. 73p. n. p., before Nov. 1946.
MS. in Histor. Div. SGO U. S. Army.

Brown, T. M. The history of filariasis in World War II. MS. 44p. n. p., 1946.
—— The same. MS. 26p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

Dack, G. M. Staphylococcus and enterococcus food poisoning and botulism. MS. 18p. n. p., about 1950.
MS. in Histor. Div. SGO U. S. Army.

Long, E. R. History of preventive medicine, United States Army Medical Department, World War II; communicable diseases, tuberculosis. MS. 38p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

—— Tuberculosis in the Army in World War II. MS. 180p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

Most, H. Visceral leishmaniasis (kala-azar) in World War II. MS. 70p. n. p., before May 1948.
MS. in Histor. Div. SGO U. S. Army.

Wartman, W. B. Filariasis in American Armed Forces in World War II. p.333–94. 25½cm. Balt., 1947.
In: Medicine, Balt., 1947, **26:**

Altshuler, L. N. Gonorrhea in World War II. Am. J. Syph., 1948, **32:** 115–23.—**Aronson, J. D.** The occurrence and anatomic characteristics of fatal tuberculosis in the U. S. Army during World War II. Mil. Surgeon, 1946, **99:** 491–503.—**Cox, W. C.** Venereal disease. In: Prev. Med. in World War II, Wash., 1948, **II:** pt 2, 11–23.—**Criscuolo, E.** Las enfermedades infecciosas en el Ejército norteamericano durante la Guerra mundial no. 2. Rev. san. mil. argent., 1948, **47:** 77–83.—**Gordon, J. E.** Streptococcal infections. In: Prev. Med. in World War II, Wash., 1948, **I:** pt 3, Sect. 4, 1–4. ——— Incidence of tuberculosis among United States troops. Ibid., 13–6. ——— Leishmaniasis. Ibid., Sect. 5, No. 2, 27. ——— Tetanus. Ibid., Sect. 6, 52. ——— Anthrax. Ibid., 54. ——— Leprosy. Ibid., 54. ——— [Problems caused by the non-fraternization policy] Ibid., pt 5, 26.—**Long, E. R.** A résumé of the tuberculosis experience of the U. S. Army in World War II. Tr. Nat. Tuberc. Ass., N. Y. (1946) 1947, **42:** 227–37. ——— El control de la tuberculosis en el Ejército de los Estados Unidos durante la II Guérra Mundial. Liga urug. contra tuberc., 1947, No. 60, 9–20.—**Van Auken, H. A.** Rabies. In: Prev. Med. in World War II, Wash., 1948, **4:** pt 3, 121.—**Venereal** disease. Ibid., **3:** 43; **11:** pt 2, chapt. 13, Exh. G, 1–31, illust.

—— United States—Injuries.

DeBakey, M. E. [History of trench foot in World War II] MS. v. p. [240]p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

Whayne, T. F. Cold injury in World War II; a study in the epidemiology of trauma. MS. 305p. app. n. p., 1950.
MS. in Histor. Div. SGO U. S. Army.

Blades, B., & Dugan, D. J. War wounds of the chest, observed at the Thoracic Surgery Center, Walter Reed General Hospital. J. Thorac. Surg., 1943–44, **13:** 294–306.—**Care** of the wounded in World War II. J. Am. M. Ass., 1943, **123:** 910.—**Uhde, G. I.** Some personal experiences in the treatment of war gas burns of the upper respiratory tract during World War II. Mil. Surgeon, 1946, **98:** 483–7.

—— United States—Logistics.

Foster, W. B. History of the Medical Department, World War II; physical standards. MS. 456p. n. p., before Nov. 1946.
MS. in Histor. Div. SGO U. S. Army.

Johnson, J. B., jr, & Wilson, G. H. A history of wartime research and development of medical field equipment. 2v. 731p. 27½cm. Wash., 1946.

Simmons, J. S. Logistics in World War II. MS. 43p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

United States. Army. Surgeon General's Office. Dental Division. History of the Army Dental Corps; equipment and supply, 1941, 1942, 1943. MS. 46p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

—— United States—Medical experiences.

American doctors at war. Pittsburgh M. Bull., 1943, **32:** 292.—**Bosworth, B. M.** Experiences in a theater of operations. Bull. Am. Coll. Surgeons, 1944, **29:** 88–93.—**Compere, C. L.**

Experiences in a theater of operations. Ibid., 95–9.—**Doctor** in Hades, by the Doctor's Wife. Atlantic Month., 1941, May, 605–13.—**Ferguson, L. K.** Experiences in a theater of operations. Bull. Am. Coll. Surgeons, 1944, **29**: 100–3.—**Kenney, E. C.** Experiences in a theater of operations. Ibid., 110–6.—**Kerr, H. H.** Once again. Ann. Surg., 1942, **115**: 481–7.—**Letters** from members in the Armed Forces. Connecticut M. J., 1944, **8**: 828–60.—**McCormack, C. G.** Experiences in a theater of operations. Bull. Am. Coll. Surgeons, 1944, **29**: 107–10.—**Moorman, L. J.** Medicine in the dugout. Bull. Hist. M., 1946, **19**: 274–81.—**More** letters from physicians in the services. Med. Ann. District of Columbia, 1943, **12**: 204–6.—**News** from those in the Armed Forces. Bull. School M. Univ. Maryland, 1943–44, **28**: 42–51.—**Robbins, J. H.** Experiences in a theater of operations. Bull. Am. Coll. Surgeons, 1944, **29**: 106.—**Schmoele, J. M.** Experiences in a theater of operations. Ibid., 104.

—— United States—Medical organization.

BIEDERMAN, A. A. Final Report of the Plans and Operations Officer. MS. 41p., app. 1–16. n. p., before Nov. 1945.
Forms v.14, Med. Dep. in MTO.
MS. in Histor. Div. SGO U. S. Army.

BLANCHFIELD, F. A., & STANDLEE, M. W. The Army Nurse Corps in World War II. MS. 312p. n. p., after Feb. 1947.
MS. in Histor. Div. SGO U. S. Army.

CRAIGHILL, M. D. History of Women's Medical Unit. MS. 43p. n. p., before July 1946.
MS. in Histor. Div. SGO U. S. Army.

DABNEY, M. G. The handling of claims by the Office of The Surgeon General of the Army during World War II. MS. 285p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

MEAD JOHNSON & COMPANY. Courage and devotion beyond the call of duty; being a partial record of official citations to medical officers in the United States Armed Forces during World War II. Preliminary ed. 256p. 16cm. Evansville, 1944.

MORGAN, E. J., & WAGNER, D. O. The organization of the Medical Department in the Zone of the Interior. MS. 181p. n. p., before June 1946.
MS. in Histor. Div. SGO U. S. Army.

PALMER, R. R., & KEAST, W. R. The procurement of officers. p.87–163. 25½cm. Wash., 1948.
In: U. S. Army in World War II, Wash., 1948, AGF 2.

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE. DENTAL DIVISION. History of the Army Dental Corps. MS. 98p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

—— Army Dental Corps personnel; historical report, 1940–43. MS. 107p. n. p., 1944.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. OFFICE OF SCIENTIFIC RESEARCH & DEVELOPMENT. COMMITTEE ON MEDICAL RESEARCH. History of Division of Medicine; Committee on Medical Research, Office of Scientific Research & Development. MS. 222p. n. p., before May 1946.
MS. in Histor. Div. SGO U. S. Army.

Ashe, W. F., jr. Report of overseas temporary duty assignment. In: Prev. Med. in World War II, Wash., 1948, **10**: 221–6.—**De Lorimier, A. A.** Roentgenology and this world-wide war. Radiology, 1943, **40**: 304–6.—**Greenfield, K. R.,** & **Palmer, R. R.** The administration of training. In: U. S. Army in World War II, Wash., 1947, AGF **1**: 32–55, pl.—**Lobo, A.** Preparação do Serviço de saúde norte-americano na guerra atual. Rev. med. mil., Rio, 1942, **31**: 171–86.—**Palmer, R. R.** Organization for training. In: U. S. Army in World War II, Wash., 1947, AGF **1**: 396–417.—**Physical** (The) selection of military and civilian personnel. In: Prev. Med. in World War II, Wash., 1948, **8**: 54–80.—**POA** personnel. Ibid., **10**: 47–68.

—— United States—Medical and scientific institutions.

FULTON, J. F. Memorandum concerning the proposed medical history of the war planned by the Division of Medical Sciences, National Research Council. 3 l. 28cm. Wash., 1945.

SCIENTISTS IN UNIFORM, World War II. 98p. 23cm. Wash., 1948.

[UNITED STATES] NATIONAL RESEARCH COUNCIL. COMMITTEE ON INFORMATION. SUBCOMMITTEE ON HISTORICAL RECORDS. Minutes of meeting. Wash., July 12, 1941–

Clawson, M. D. Report on dental mission; Meharry Medical College dean covered 25,000 miles on tour of Near and Far East, Africa. Dent. Surv., 1943, **19**: 66–8.

—— United States—Medical services.

BRAUER, J. C. A history of the United States Army Dental Service in World War II. Chap. I–III. MS. 154p. n. p., before Febr. 1949.
MS. in Histor. Div. SGO U. S. Army.

DIRKSEN, L. C. History of prosthetic service, World War II. MS. 14p. n. p., before July 1946.
MS. in Histor. Div. SGO U. S. Army.

DUNCAN, G. G. History of medical consultant's activities Second Service Command. MS. 115p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

GOODMAN, S. M. History of Medical Department training, U. S. Army, World War II. MS. 12v. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

GREENWOOD, G. R. Report of the Chemical Warfare Branch, Office of the Surgeon General, U. S. Army Medical Department in World War II. MS. 41p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

HYMAN, S. History of Medical Department training, U. S. Army World War II. V.5: The training of replacements, fillers and cadres, 1939–45. MS. 110p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

JEFFCOTT, G. F. Clinical dentistry in the U. S. Army in World War II; general considerations. MS. 150p. n. p., 1948.
MS. in Histor. Div. SGO U. S. Army.

LOUGHLIN, R. L. Medical history of the United States Army in World War II [Volume on reconditioning] MS. 336p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

McGUIRE, J. History of medical service of the Fifth Service Command for the Period 1 August 1944 to present. Section 1. MS. 81p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

—— History of medical service of the Fifth Service Command for the period 10 August 1944 to September 1945. Section 2. MS. 53p., 22p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

MARBLE, A. Sixth Service Command, report of activities of medical services and medical consultant. MS. 82p. n. p., before Nov. 1945.
MS. in Histor. Div. SGO U. S. Army.

MILLER, H. M. History of dental activity of the U. S. Army in Base Section Four. MS. 23p. n. p., before Nov. 1, 1942.
MS. in Histor. Div. SGO U. S. Army.

MILLETT, J. D. The role of the Army Service Forces. MS. 3v. 877p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

MINOR, J. History of medical consultant's activities in Third Service Command 26 January

1944–14 December 1945. MS. 62p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

MORGAN, H. J., SHULL, H. H., & BILLINGS, F. T., jr. History of the Medical Consultants Division, Office of the Surgeon General in World War II. MS. 133p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE. History of ophthalmology in World War II. MS. 21 Chapt. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY. SURGEON GENERAL'S OFFICE. DENTAL DIVISION. History of the Army Dental Corps; professional service, 1941–1942–1943. MS. 98p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

Blackham, R. J. The American Army Medical Services in the field. J. R. Army M. Corps, 1946, **86**: 201–7.—**Coates, J. B.,** jr. Thirty-one hundred miles with the First Medical Regiment. Mil. Surgeon, 1941, **88**: 587–97.—**Field** medical service in the United States Army. Bull. Army M. Dep., Lond., 1943, No. 19, 1–4.—**Hirsch, J.** Paintings of Army medicine. VI. What's New, North Chic., 1945, No. 94, 11–22.—**Holland, D. J.,** jr. Dentistry in khaki. Harvard Dent. Alumni Bull., 1945–46, **6**: No. 4, 3–7.—**Kirk, N. T.** The importance and the contributions of the dental officers in World War II. Rev. Chicago Dent. Soc., 1943, **6**: No. 9, 8. ——— Medical Department activities on our various battle fronts during the present war. Proc. Interst. Postgrad. M. Ass. N. America (1943) 1944, 65–9. ———Wartime activities of the Army Medical Department. N. England J. M., 1946, **235**: 182–5. ——— The Army Medical Department in World War II. Q. Phi Beta Pi M., 1946–47, **43**: 219–22.—**Maslinkovski, T. J.** Medicinskaja služba pekhotnoj divizii, Armii SSA. Voj. san. pregl., Beogr., 1948, **5**: 45.—**More** than 97% recover. Science News Lett., 1943, **43**: 343.—**Rankin, F. W.** [Activities of the Medical Department of the Army during World War II] Tr. Am. Surg. Ass., 1949, **67**: 1–21.—**Reid, E. K.** Comments on Army radiology in World War II. N. York State J. M., 1947, **47**: 858–60.—**Salisbury, L. A.** Medical service of a square division; one year of active duty. Mil. Surgeon, 1942, **90**: 496–509.—**Thompson, C. F.** Indiana doctors and World War II. J. Indiana M. Ass., 1949, **42**: No. 8, Suppl., 106–8.

—— United States: Navy.

SCHLACK, C. A. The history of the Medical Department of the United States Navy during World War II; a general survey of the United States Naval Dental Corps in World War II. MS. 178p. n. p., after 1945.
MS. in Histor. Div. SGO U. S. Army.

Japanese defeat. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: pt 3, Chap. 11–3, 88p.—**White, A. J.** Medical experiences in naval warfare. Med. Ann. District of Columbia, 1942, **11**: 424–7.

—— United States—Navy: Casualties and diseases.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. The history of the Medical Department of the United States Navy in World War II; the statistics of diseases and injuries. viii, 184p. 27cm. Wash., 1950.
Forms v. 3, Navmed P–1318.

Battle casualties. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 3, 59; 71.—**Beach** treatment and care of casualties. Ibid., Chap. 8, 11–7.—**Care** and evacuation of casualties. Ibid., Chap. 11, 24; Chap. 12, 13.—**Casualties.** Ibid., Chap. 8, 67; Chap. 9, 13.—**Disease** incidence; malaria. Ibid., Chap. 3, 52–5.—**McMahon, A., & Huston, H. R.** War wounds of the chest; a report of 278 cases encountered at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41**: 1579–87.—**Mast, G. W.** Gonorrhea in the United States Navy during World War II. Am. J. Syph., 1948, **32**: 106–14.—**Non-combat** deaths in World War II. Statist. Navy M., 1948, **4**: No. 10, 10–4.—**Porter, J. E., & Pratt, G. H.** Appendicitis in the tropics; experience in a U. S. naval base hospital. Am. J. Surg., 1944, **65**: 153–6.—[**Psychoneuroses** and nervous conditions precipitated by monotony] In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 50.—**Randolph, N. A.** Handling casualties on assault transports. Hosp. Corps Q., 1944, **17**: No. 5, 94.—**Shilling, C. W., & Duff, I. F.** Appendicitis aboard combat submarines in World War, II. In: Hist. Submar. Med. (Shilling, C. W.) New Lond., 1947, 103–10. ——— Appendectomies performed aboard submarines on war patrols. Ibid., 110–3. ——— Skin diseases as related to air conditioning aboard submarines. Ibid., 134–6.—**Swanson, C. A., & Stewart, R. A.** Causes of uniocular and binocular blindness in the U. S. Navy and U. S. Marine Corps in World War II. Sightsav. Rev., 1946, **16**: 36–46. Also U. S. Nav. M. Bull., 1946, **46**: 520–7. Also Arq. brasil. oft., 1946, **9**: 47.—**Types** of injuries and their treatment. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 1, 21–9.—**War** neurosis. Ibid., Chap. 3, 57–9.—**World** War II casualties, Navy and Marine Corps. Statist. Navy M., 1949, **5**: No. 5, 3–5.

—— United States—Navy: Medical organization and service.

COOPER, P. Navy nurse. 226p. 21cm. N. Y., 1946.

UNITED STATES. NAVY. BUREAU OF MEDICINE AND SURGERY. United States Navy Medical Department at war, 1941–45; administrative history. 2v. in 7. 27cm. Wash., 1946.

Ackerknecht, E. H. The care of the sick and the wounded sailor in the United States. Ciba Sympos., 1942–43, **4**: 1410–8.—**Assault** (The) In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 14, 8–14.—**Assault** force hospitalization. Ibid., Chap. 8, 65–7.—**Bureau** of Medicine and Surgery. Ibid., **2**: Chap. 2, 17–9.—**Bureau** of Medicine and Surgery; developments in its structural organization. Ibid., Chap. 1, 1–16.—**Burial** of the dead. Ibid., **1**: Chap. 8, 30–2.—**Combs, N. K.** The Medical Department in island warfare. Hosp. Corps Q., 1944, **17**: 23–8.—**Crile, G.** Further reports of Specialist Unit No. 110. Bull. Acad. M. Cleveland, 1944, **29**: 7.—**Cumulative** historical reports of U. S. Naval activities for the period of World War II, historical supplements to the fourth Quarterly Sanitary report, 1945. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 14, 103–6.—**Dentistry.** Ibid., **1**: Chap. 12, 36.—**Desmarais, M. V.** Navy nursing on D-Day plus 4. Am. J. Nurs., 1945, **45**: 12.—**Dollard, H. L.** The task of the medical department of the U. S. Navy in global war. Mississippi Valley M. J., 1944, **66**: 43–6. Also Philadelphia M., 1943–44, **39**: 1499–505.—**Goldthwait, M.** A Navy psychiatric department in England. Trained Nurse, 1945, **115**: 261–4.—**Hospitalization.** In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 11, 40–7.—**Jungle** medicine. Ibid., Chap. 3, 21–9.—**Kessler, H. H., & Hartman, J.** Activities of the Orthopedic Department at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41**: 1540–56.—**Legge, R. F.** A statistical review of 1,000 orthopedic consultations at a Naval dispensary. Ibid., 1947, **47**: 827–9.—**McIntire, R. T.** Policies and activities of the Medical Department of the United States Navy in the present national emergency. Mil. Surgeon, 1942, **90**: 119–23.—**Medical** aid on the beaches. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 8, 60–2.—**Medical** (The) department and civil affairs. Ibid., Chap. 9, 16.—**Medical** department facilities in operation in the Fifteenth Naval District as of January 1945 [tab.] Ibid., **2**: Chap. 15, 91.—**Medical** department facilities in operation in the Tenth Naval District as of January 1945 [tab.] Ibid., 89.—**Medical** Specialists Unit No. 110. J. Am. M. Ass., 1943, **121**: 1291.—**Medical** supply. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, 1: Chap. 3, 48–50.—**Mobile** Base Hospital Number Two. Ibid., Chap. 1, 11.—**Naval** medical supply, extra-continental. Ibid., **2**: Chap. 16, 1–28.—**Navy** Field Medical Photographic Unit. Ibid., **1**: Chap. 11, 62.—**Oliver, J. B., Kelly, A. C., & Watkins, R. P.** Medical problems on an attack transport. U. S. Nav. M. Bull., 1945, **44**: 92–9.—**Pratt, F.** Memorial of the Wasp; Americans in battle. Harpers Mag., 1943, **186**: 545–55.—**Standard** block medical supplies, 3,000 men for 30 days. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 8, 78–81.—**Supervision** and control of continental medical activities and Navy hospitals; bibliography. Ibid., **2**: Chap. 8, App. 1, 1–6.—**Sutton, D. G.** Major problems of the Medical Department of the Navy during the present emergency. J. Indiana M. Ass., 1943, **36**: 644–8.—**Treatment** in field hospital facilities. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 8, 24–8.—**Vickers, H. D.** Eighteen months on an attack transport. U. S. Nav. M. Bull., 1944, **43**: 513–24.

—— United States—Navy: Sanitation.

Health and sanitation. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **1**: Chap. 12, 29–33.—**Norris, F. T.** Public health progress made by the U. S. Navy in World War II. Proc. Conf. Health Author. N. America, 1944–45, 59.–60. meet., 145–52.

—— United States—Navy: Surgical aspect.

Ferguson, L. K. Navy war surgery. Bull. Am. Coll.. Surgeons, 1944, **29**: 122–5.—**Huston, H. R.** Navy war surgery. Ibid., 134–7.—**Kenney, E. C.** Navy war surgery. Ibid., 138–42.—**McCormack, C. G.** Navy war surgery. Ibid., 131–3.—**Rankin, J. O.** Surgical experience in a continental naval hospital. West Virginia M. J., 1945, **41**: 33–45.—**Robbins, J. H.** Navy war surgery. Bull. Am. Coll. Surgeons, 1944, **29**: 128–30.—**Schmoele, J. M.** Navy war surgery. Ibid., 126–8.

—— United States—Neuropsychiatry.

Appel, J. W. Cause and prevention of psychiatric disorders in the U. S. Army in World War II. Chapter I: Organization and planning. MS. 27p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

Cooke, E. D. All but me and thee; psychiatry at the foxhole level. 215p. 27½cm. Wash., 1946.

O'Keefe, D. E. History of psychiatric social work in World War II. MS. 34p. n. p., after 1941.
MS. in Histor. Div. SGO U. S. Army.

Spurling, R. G., & Woodhall, B. [History of neurosurgery in World War II] MS. 26 Chapt. n. p., before April 1948.
MS. in Histor. Div. SGO U. S. Army.

Appel, J. W. Incidence of neuropsychiatric disorders in the United States Army in World War II. Am. J. Psychiat., 1945–46, **102**: 433–6.—**Burlingame, C. C.** Service to be rendered by psychiatry in the present war. Ment. Hyg. News, Alb., 1941–42, **12**: No. 10, 2.—**Deutsch, A.** Psychiatry in World War II. In his Mentally Ill in America, 2. ed., N. Y., 1949, 458–82.—**Ebaugh, F. G.** Survey of neuropsychiatric casualties at station hospitals and military camps, 1941–43. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 106–21.—**Grinker, R. R.** Psychiatric disorders in combat crews overseas and in returnees. Proc. Inst. M. Chicago, 1944–45, **15**: 218–20.—**Halloran, R. D.** The role and general organization of neuropsychiatry in the Army during current war. In: Man. Mil. Neuropsychiat. (Solomon, H. C., & Yakovlev, P. I.) Phila., 1944, 10–8.—**Menninger, W. C.** Psychiatric experience in the war, 1941–46. Am. J. Psychiat., 1946–47, **103**: 577–86. ——— The initial handicaps confronting Army psychiatry in World War II. In his Psychiat. in a Troubled World, N. Y., 1948, 9–24.—**Michaels, J. J.** The Medical Department of the United States Army in the World War; neuropsychiatry. War Med., Chic., 1942, **2**: 172–86.—**Peal, S.** Psychiatric experiences in a tropical theater of operations. Bull. U. S. Army M. Dep., 1944, No. 73, 68–78.—**Snyder, H. M.** Observations of psychiatry in World War II. Am. J. Psychiat., 1947–48, **104**: 221–5.—**Talkington, P. C.** Combat psychiatry; Third United States Army experience. Mil. Surgeon, 1946, **98**: 401–4.—**Wright, H. S.** Psychiatry in the Fifth Army area. Bull. U. S. Army M. Dep., 1946, **5**: 73–9.

—— United States—Public health aspect.

Schwartz, E. E., & Sherman, E. R. Community health and welfare expenditures in wartime, 1942 and 1940, 30 urban areas. 70p. 26½cm. Wash., 1944.

Civil public health. In: Prev. Med. in World War II, Wash., 1948, **8**: 255–8.—**Crabtree, J. A.** War time health and medical problems. J. Ass. Am. M. Coll., 1943, **18**: 95–104.—**Delfosse, J.** Le Service de Santé des Etats-Unis (1941–45) Bull. internat. Serv. santé, Liége, 1947, **20**: 1–8.—**Draper, W. F.** Civilian health in wartime. Indust. M., 1944, **13**: 396–9.—**Public** health in war time. Bull. Lederle Laborat., 1943, **11**: 25–8.—**Walker, D. W.** Public health advances by the Army during the war. Proc. Conf. Health Author. N. America, 1944–45, 59.–60. meet., 136–44.

—— United States—Sanitation.

Hardenbergh, W. A. The Sanitary Engineering Division. First draft. MS. 154p. n. p., before 1947.

—— The same. Rev. ed. MS. 250p. n. p., before 1947.
MS. in Histor. Div. SGO U. S. Army.

Knies, P. T. History of United States Army program in foreign quarantine in World War II. First draft MS. 105p., Appendix [Also Second draft, M. S. 109p., Appendix] n. p., before 1947.
MS. in Histor. Div. SGO U. S. Army.

Manning, F. G. History of preventive medicine in World War II. MS. 265p. n. p., before June 1946.
MS. in Histor. Div. SGO U. S. Army.

United States. Army. Surgeon General's Office. Historical Division. A history of preventive medicine ... [in World War II] v. **1–12.** 12v. [size varies] 27½cm. Wash., 1948.

—— A history of preventive medicine ... in World War II. v. 9: A history of Preventive Medicine Division, Ground Medical Section, Headquarters, Army Ground Forces. 9p., 19p. 27½cm. Wash., 1948.

Whayne, T. F. Clothing. MS. 96p. n. p., 1950.

—— The same. Bibliography. MS. 27p. n. p., 1950.
MS. in Histor. Div. SGO U. S. Army.

—— Housing. MS. 91p. 15p. n. p., 1950.

—— The same. Bibliography. MS. 15p. n. p., 1950.
MS. in Histor. Div. SGO U. S. Army.

Annex to history of preventive medicine in World War II. In: Prev. Med. in World War II, Wash., 1948, **6**: 61.—**Annex** to operations plan. Ibid., **9**: Tab A, 6–15.—**Annex** 6a to operations plan, sanitary survey of. Ibid., 16.—**Cox, W. C.** The Sanitary Engineering Division. Ibid., **11**: 68–73. ——— The Medical Department field sanitary forces. Ibid., 70.—**Engineer** Department Health Service; amendment to Division Circular Letter No. 23 (revised) dated February 18, 1943. Ibid., **8**: 70.—**Extra-military** sanitation and liaison activities. Ibid., **5**: 61, 8 pl.—**Gordon, J. E.** Health of the Command. Ibid., **2**: pt 12, 1–4, 7 pl., 18 tab., 3 ch.—**Hardenbergh, W. A.** Sanitary engineering plan and organization for POA. Ibid., **10**: 69–71.—**Plans** for extra-cantonment sanitation. Ibid., **6**: 19.—**Safeguarding** the health of American troops abroad. Statist. Bull. Metrop. Life Insur., 1942, **23**: No. 12, 1–4.—**Sanitary** engineering. In: Prev. Med. in World War II, Wash., 1948, **6**: 44–6.—**Sanitary** reports. Ibid., 7–11.—**Special** sanitary precautions. Ibid., **9**: Tab. A, 15.

—— United States—Surgical aspect.

Clark, R. L., jr. History of surgery; Army Medical Department, World War II. MS. 2v. 386p. n. p., before March 1948.
MS. in Histor. Div. SGO U. S. Army.

Coley, B. L. History of the Surgical Consultant's Service of the Professional Services Section, Eighth Service Command, 31 July 1942 to 17 March 1945. MS. 19p. n. p., before Dec. 1946.
MS. in Histor. Div. SGO U. S. Army.

Cutler, C. W., jr. Surgery in the First Service Command. MS. 95p. n. p., before Dec. 1946.
MS. in Histor. Div. SGO U. S. Army.

Forsee, J. H. Forward surgery of the severely wounded; a history of the Second Auxiliary Surgical Group, 1942–45. MS. 2v. 931p. n. p., before Oct. 1945.
MS. in Histor. Div. SGO U. S. Army.

Hollenberg, H. G. History of the surgical consultants service of the Professional Services Section, Eighth Service Command, 1 May 1945 to 1 November 1945. MS. 36p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

Kennedy, R. H. History of surgical consultant's activities, Second Service Command 1945. MS. 63p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

Penberthy, G. C. Activities of the surgical consultant, Seventh Service Command. MS. 19p. n. p., before Dec. 1946.
MS. in Histor. Div. SGO U. S. Army.

United States. Army. Second Auxiliary Surgical Group. Forward surgery of the severely wounded; a history of the Second Auxiliary Surgical Group, 1942–45. MS. 2v. 931p. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

Yates, R. E. The procurement and distribution of medical supplies in the Zone of the Interior during World War II. MS. 254p. n. p., before May 1946.
MS. in Histor. Div. SGO U. S. Army.

Coley, B. L. Experiences of a surgical consultant to a service command. Surgery, 1943, **14**: 484 (Abstr.)—**Cutler, E. C.** Surgery; the U. S. Forces. In: Interallied Conf. War Med. (1942–45) 1947, 498–502.—**Kirk, N. T.** Surgical care of the wounded in the United States Army. Surgery, 1944, **15**:

211–23.—**Reiter, B. R.** Surgical experiences D-day to D+7. In: Interallied Conf. War Med. (1942–45) 1947, 416.

—— United States—Transportation and evacuation.

JAMES, H. P. Transportation of sick and wounded. First draft MS. 103p. Also Part II. Second draft MS. 51p. n. p., after 1943.
MS. in Histor. Div. SGO U. S. Army.

Burry, W. C. Standard procedures at the Third U. S. Army Air and Railhead Evacuation Holding Unit. Med. Bull. U. S. Chief Surg. Europ. Theater, 1945, No. 30, 37.—**Primary** evacuations from the zone of the armies. In: Med. Dep. U. S. Army in the World War, Wash., 1925, **8**: 261–86, map.—**Van Auken, H. A.** Troop movements; movements by railroad. In: Prev. Med. in World War II, Wash., 1948, **4**: pt 2, 111–6.

—— Veterinary progress.

Cavalry achievements in the present war. Vet. Med., Chic., 1942, **37**: 314.—**Jennings, W. E.** Actividades veterinarias en la II Guerra Mundial (transl.)—Rev. mil., B. Air., 1947, **47**: 1643–9.

—— Virgin Islands.

See also subheading (West Indies)
St. Thomas. In: Prev. Med. in World War II, Wash., 1948, **7**: 107.

—— Visayas-Mindanao area.

See also subheading (Philippine Islands)
BRADDOCK, W. H. Narrative history of the Visayas-Mindanao Force, U. S. A. F. F. E. and U. S. F. I. P. MS. 20p. n. p., 1946.
MS. in Histor. Div. SGO U. S. Army.

—— Volkhov front.

See also subheading (Russo-German War)
Melnikov, S. A., Bellkov, L. A., & Belinky, N. L. Infekcionnye zabolevanija nervnoj sistemy; kleščevoj encefalit na Volkhovskom fronte. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1949, **26**: 167–92.

—— Vosges.

See also subheading (France)
Blondin, S., Leclerc, G. C., & Rouvillois, C. Note sur le fonctionnement d'une formation chirurgicale dans les Vosges (13 juin–30 août 1940) Statistique de 475 blessés, opérés, suivis pendant deux mois. Mém. Acad. chir., Par., 1940, **66**: 652–5. Also Surg. Gyn. Obst., 1942, **74**: Suppl., 397 (Abstr.)

—— West Africa.

See also subheadings (Africa; Gold Coast; Sierra Leone)
Alliez, J. A propos des psychoses observées chez les militaires originaires d'Afrique Occidentale Française. Marseille méd., 1941, **78**: 777–87.—**Dembovitz, N.** Psychiatry amongst West African Troops. J. R. Army M. Corps, 1945, **84**: 70–4.—**Dennison, W. M., & Dick, A. L.** Surgery in West Africa; experiences in a military hospital. Ibid., 1944, **82**: 112–24.—**Elliott, M.** A year's work on the medical side of a West African military hospital. Ibid., 203–11.—**Henson, R. A.** Neurological experiences in West Africa. Ibid., **83**: 53–9.—**Miles, S.** The White Man's Grave; West Africa yesterday and to-day. J. R. Nav. M. Serv., 1944, **30**: 30–4.—**Morbidity** in West Africa, 1941–45. Bull. Army Health Statist., Lond., 2. ser., 1945–46, No. 6, 35–40.—**Murray-Lyon, R. M.** Important diseases affecting West African native troops. Tr. R. Soc. Trop. M. Hyg., Lond., 1943–44, **37**: 287–302.—**Smith, F., & Evans, R. W.** Murine typhus in British soldiers in West Africa. Lancet, Lond., 1943, **1**: 142.—**West Africa,** 1941–44. In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 101–5.—**West Africa** awakes, a field ambulance at work. Nurs. Times, Lond., 1943, **39**: 257, illust.

—— Western Atlantic area.

See also subheading (Atlantic area)
Western Atlantic medical installations. In: U. S. Nav. M. Dep. at War Admin. Hist., Wash., 1946, **2**: Chap. 15, 61–98.

—— Western Desert.

See also subheadings (Egypt; Libia; North Africa; Tobruk)
Ascraft, P. B. Cirugía en la guerra del desierto. Medicina, Habana, 1944, **2**: No. 12, 7.—**Boyd, J. S. K.** Enteric group fevers in prisoners of war from the Western Desert, with special reference to prophylactic inoculation, January 1941, to February 1943. Brit. M. J., 1943, **1**: 719–21.—**Chute.** Address. Univ. Toronto M. J., 1942–43, **20**: 290–9.—**Collins, E. G.** Injury to the ears among battle casualtics of the Western Desert. J. Lar. Otol., Lond., 1944, **59**: 1–15.—**Desert** surgery. Lancet, Lond., 1943, **1**: 17.—**First** aid station in the North African desert [Illust.] Pharm. Advance, 1942–43, **14**: No. 161, 6.—**Further** extracts from letters from a mobile neurosurgical unit in the Western Desert. J. R. Army M. Corps, 1943, **80**: 33–7.—**King, E. S. J.** Surgery in the desert. Australas. N. Zealand J. Surg., 1941–42, **11**: 63–5.—**Mitchell, G. A. G., Logie, N. J., & Handley, R. S.** Casualties from the Western Desert and Libya arriving at a base hospital. Lancet, Lond., 1941, **1**: 713–6.—**Notes** on the offensive in the Western Desert. Army M. Bull., 1942, No. 64, 62–9.—**Ogilvie, W. H.** Notes on desert surgery. Univ. Toronto M. J., 1943–44, **21**: 86; 135. ——— Abdominal wounds in the Western Desert. Surg. Gyn. Obst., 1944, **78**: 225–38. Also Bull. U. S. Army M. Dep., 1946, **6**: 435–45.—**Porritt, A. E.** British surgeon follows desert battle from a tent hospital. Hospitals, 1944, **18**: No. 5, 65.—**Preparations** for the offensive in the Western Desert. Bull. Army M. Dir., Lond., 1942, No. 11, 7.—**Surgery** in the desert. J. R. Army M. Corps, 1943, **80**: 266–9.

—— Western Europe.

See also subheading (Europe)
Health conditions in Western Europe. Gen. M. Interest Lett., Ottawa, 1944, No. 5, 3–6.

—— Western Front.

See also subheading (Western Europe; Germany: Western Front)
Casualties on the Western Front; sites and severity. Month. Bull. Health Statist. (Gr. Britain War Off.) 1945, Sept., 28–30.—**Darnall, J. R.** Fixed hospital reconnaissance on the Western Front in the fall of 1944. Mil. Surgeon, 1948, **103**: 251–60.—**Jones, H. W., jr, Falor, W. H., & Burbank, C. B.** 524 Abdominal wounds on the Western Front. Bull. Johns Hopkins Hosp., 1946, **79**: 283–308.—**Medical** services for the Western Front. Brit. M. J., 1944, **1**: 816.

—— Western Pacific.

MAJOR, J. W. Surgical history of Western Pacific Base Command. MS. 231p. n. p., before Feb. 1946.
MS. in Histor. Div. SGO U. S. Army.

ROTTERSMAN, W., & PELTZ, W. History of the neuropsychiatric work in the Western Pacific Base Command from 14 April to 31 August 1945. MS. 88p., app. n. p., 1945.
MS. in Histor. Div. SGO U. S. Army.

SCHELL, M. B. The history of the Army Nurse Corps in subordinate units, Western Pacific Base Command. MS. 119p. n. p., before Jan. 1945.
MS. in Histor. Div. SGO U. S. Army.

TOTH, E. F. History of anesthesia in the Western Pacific Base Command. MS. 21p. n. p., before Jan. 1946.
MS. in Histor. Div. SGO U. S. Army.

TURNER, G. O. History of internal medicine of the Western Pacific Base Command. MS. 91p. n. p., before Jan. 1946.
MS. in Histor. Div. SGO U. S. Army.

UNITED STATES. ARMY. WESTERN PACIFIC BASE COMMAND. MEDICAL INSPECTOR. History of preventive medicine in the Western Pacific Base Command. 69p. 27½cm. Wash., 1948.
Forms v.5, Prev. Med. in World War II, Wash.

—— West Indies.

See also subheading (Antilles; Aruba; Caribbean defense; Trinidad; Virgin Islands)
Platzer, R. F., & Lawlor, W. K. A. Filariasis in West Indian laborers. U. S. Nav. M. Bull., 1945, **44**: 576–8.—**Saunders, G. M.** Medical conditions in the West Indies. Mil. Surgeon, 1941, **89**: 621–32.

—— Whitehorse sector.

See also subheading (Canada)
Salvato, J. A., jr. Sanitary survey, water supply, Whitehorse District; Whitehorse, Yukon Territory, Canada. In: Prev. Med. in World War II, Wash., 1948, **8**: 157–61.—**Station** hospital, Whitehorse. Ibid., 16–9.—**Whitehorse** sector. Ibid., 14.

—— Yap District.

See with subheading (Caroline Islands; also Palau)

—— Yukon Territory.

See under subheadings (Canada; Whitehorse sector)

WORM disease.

See **Helminthosis.**

WORTH-BLACK amblyoscope.

See under **Orthoptics.**

WOUND.

See also **Casualty; Injury; Wounded.**

Baltar Domínguez, R. Fisiopatología, clínica y tratamiento de las heridas recientes de guerra. p.1–68. 21½cm. Santander, 1938.

In: Cuest. méd. quir. guerra (Gironés, L.)

Fruchaud-Brin, H., Chatellier, J. M. [et al.] Chirurgie de guerre. T. 1.: Les plaies de guerre en général. 847p. 21cm. Beirut, 1943.

Japan. Kaigun-syō. Kaigun gun-i gakkō gunzin geka kyōsitu. Sensyōgaku [Science of war wounds] 187p. 21½cm. Tōkyō, 1943.

Musini, E. Ferite di guerra; conferenza tenuta la sera del 18 Maggio 1916 nella grande sala della Scuola commerciale. 44p. 8° Bologna 1917.

Blake, J. A. General considerations of the wounds of war. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 1102–8.—**Boggon, R. H.** War wounds. Nurs. Times, Lond., 1941, **37:** 450; 476.—**Bove, C. F.** War wounds. Med. Rec., N. Y., 1940, **152:** 395–9.—**Burrow, J. Le F.** War wounds. Nature, Lond., 1919–20, **103:** 501.—**Drigalski, W. v.** Die Verwundung im Kriege. In his Aufstieg d. San. Korps, Oldenb. 1939, 30–4.—**Gallie, W. E.** War wounds. Canad. M. Ass. J., 1941, **44:** 338–44.—**Gaudenzi, T. F.** Ferida de guerra. Pub. méd., S. Paulo, 1943–44, **15:** No. 2, 45; passim.—**Lecene.** General considerations of the wounds of war. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 777–9.—**Majocchi, A.** Blut und Wunden. In his Nachtwachen, Frauenfeld, 1946, 176–96.—**Mercier, R. G.** Previsión de bajas por heridas. In his Grandez. & miser. d. combat., 2. ed., Madr., 1940, 159–62.—**Mitchiner, P. H.** War wounds. Med. Press & Circ., Lond., 1943, **209:** 67–71.—**Moorhead, J. J.** Symposium on war medicine; wartime wounds. J. M. Soc. Co. New York, 1942, **1:** No. 31, 5–7.—**Moppert.** La plaie de guerre. Praxis, Bern, 1940, **29:** 237–41.—**Oliveira, A. B. de.** Ferimentos. In: Man. socor. guerra, S. Paulo, 1943, 47–50.—**Research** on war wounds. Brit. M. J., 1941, **2:** 746.—**War** wounds. Roche Rev., Nutley, 1941–42, **6:** 305; passim.—**Wounds** in modern war. Med. Rec., N. Y., 1940, **152:** 385.

—— air-raid.

See subheading (—by weapons)

—— Biology.

Beecher, H. K. Pain in men wounded in battle. Med. Bull. Medit. Theater U. S., 1945, **3:** 77–82. ——— The physiological effects of wounds as guides for treatment of freshly wounded men. Bull. U. S. Army M. Dep., 1947, **7:** 743–5.—**Fiessinger, N.** La biologie de la plaie de guerre. In: Oeuvre (Delbert, P.) Par., 1932, 55–62.—**Hautz, G.** Biologia da ferida de guerra. Rev. med. cir. Brasil, 1942, **50:** No. espec., 75–83.—**Moller Meireles, M.** Contribuição ao estudo da biologia da ferida de guerra. Arq. Inst. biol. exérc., Rio, 1945, **6:** No. 6, 25–7.—**Nedrigajlova, O. V.** Mestnyj leikocitoz pri posledstvijakh ognestrelnykh ranenij. Vrach. delo, 1946, **26:** 419–26.

—— Classification.

See also **Wounded,** Classification.

Gilorteanu, I., & Costescu, P. Sechelele ranirilor abdominale de război; raport prezentat la al VIII-lea Congres internațional de medicină și farmacie militară din 1935, Bruxelles. Rev. san. mil., Bucur., 1937, **36:** 135–48, illust.—**Girgolav, S. S.** [Pirogov's classification of wounds from the modern viewpoint] Vest. khir., 1933, **30:** 26–8.—**Hughes, B.** Classification of war wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 10–7. Also 2. ed., Balt., 1942, **1:** 12–9. Also J. Internat. Coll. Surgeons, 1944, **7:** 275–84.—**Leonardov, B.** [International standardization of wound terminology] Voen. san. delo, 1929, 68–73.—**Stieda, A.** Beurteilung der Kriegswunden und ihre erste Behandlung. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 101–37.

—— Complications.

See also **Wounded,** Complications; **Wound infection.**

Cárdenas, M. de. La meralgia parestésica como complicación de herida de guerra. Rev. espan. med. cir. guerra, 1940, **4:** 385–91.—**Fraser, J., Platt, H.** [et al.] Sequelae to war wounds. Med. Press & Circ., Lond., 1941, **205:** 368–87.—**Gershberg, H.** Some observations on war wounds; with particular reference to stormy fermentation. Mil. Surgeon, 1947, **100:** 505–14.—**Girgolav, S. S., & Libov, L. L.** Osloźnenija v tećenii ranenij. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **1:** 123–38.—**Hardouin, P.** Un nouveau cas d'épithélioma cutané compliquant une plaie de guerre. Mém. Acad. chir., Par., 1940, **66:** 429.—**Libov, L. L.** Osloźnenija v tećenii ranenij; projavlenija cyngi v rane. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **1:** 137.—**Mondor, H., Olivier, C., & Martinet, D.** Epithélioma cutané compliquant une plaie de guerre. Mém. Acad. chir., Par., 1940, **66:** 283–8.—**Oltramare, J. H.** Le shock traumatique. In his Chir. guerre, Lausanne, 1944, 67–78.

—— Contracture.

See also **Hysteria; Injury,** Sequelae.

Dubov, M. D., & Velikanova, M. M. Kontraktury. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **6:** 314–23.—**Klipinicer, I. A.** [Treatment of myogenetic contractures with automatic elastic tractors] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 156.—**Novotelnov, S. A.** Klinika i lećenie kontraktur ognestrelnogo proiskhoždenija. Vest. khir., 1946, **66:** No. 5, 109.—**Paśćenko, V. A., & Paśćenko, K. P.** [Treatment of war wound contractures with physical therapy and fangotherapy at Karachi] Hosp. delo, 1944, No. 6, 41–4.

—— Healing.

See also subheading (Biology)

Marshak, A. Healing of experimental skin wounds [Abstract] 3p. 28cm. Wash., 1944.

Forms No. 43, Infect. Wounds & Burns Rep. (OSRD) Wash.

Moore, F. D., & Cope, O. Measure of fluid shifts using radioactive isotopes [Abstract] 1p. 28cm. Wash., 1945.

Forms No. 46, Infect. Wounds & Burns Rep. (OSRD) Wash.

Waterman, D. F., Birkhill, F. R., & Levenson, S. M. Report of the healing of open wounds in the presence of anemia. 6 l. 27cm. Chic., 1949.

Forms Rep. No. 53, U. S. Army M. Nutrit. Laborat.

——— Report of the healing of soft tissue wounds; the effects of nutrition, anemia and age. 24 l. 27cm. Chic., 1949.

Forms Rep. No. 55, U. S. Army M. Nutrit. Laborat.

Anyiskov, N. N., Volkova, K. G., & Garsin, V. G. A sebgyógyulásra vonatkozó kutatások elsödleges sebészi sebellátás után. Honvédorvos, 1950, **2:** 418–24.—**Bowers, W. F.** Healing of wounds. Mil. Surgeon, 1942, **90:** 140–52. Also in War Med., Sympos., (Pugh, W. S.) N. Y., 1942, 27–40.—**Fehr, A.** Wundheilung. Militärsanität, Zür., 1943, **25:** 56; passim.—**Girgolav, S. S., & Kuprijanov, P. A.** Obśćee ponjatie o rane i ee zaživlenii. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 5–33.—**Healing** of wounds. Circ. Chief Surgeon's Off. U. S. Army Forc. Pacific, 1946, No. 10, 10–4; No. 11, 11–6.—**Howes, E. L.** Experimental wound healing. In: Advance. Mil. Med., Bost., 1948, **1:** 111–22.—**Kosogljad, A. A.** Lećenie vjalo zaživajuśćikh ran lipkim plastyrem po Bayntonu po materialu N e-hospitalja. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 114–7.—**Lukanov, A. F.** [Effect of certain saline solutions on the healing of wounds of the skin] Tr. Acad. mil. méd. Kiroff, 1936, **7:** 33–43.—**Meige, H., & Bénisty, A.** De l'importance des lésions vasculaires associées aux lésions des nerfs périphériques dans les plaies de guerre. Bull. Soc. méd. hôp. Paris, 1915, 3. ser., **39:** 208–11.—**Policard.** General pathological anatomy and physiology of wounds; spontaneous evolutions; healing process. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 764–8.—**Puckett, H. L.** Influence of thyroid in the healing of wounds. U. S. Nav. M. Bull., 1935, **33:** 510–6.—**Rakhmanov, A. G.** [Measures for promoting the rapid healing of wounds] Voen. san. delo, 1941, No. 12, 54.—**Reed, G. B., Orr, J. H., & Anderson, R.** Growth of fibroblasts in serum containing sulfathiazole. War Med., Chic., 1942, **2:** 635–8.—**Rice, F. A.** Healing the wounds of war. Bull. Acad. M., Cleveland, 1939, **23:** No. 11, 16.—**Ryan, T. C.** Management of wounds and wound healing. U. S. Nav. M. Bull., 1947, **47:** 991–9.—**Schulte, W. V.** The physiology of wound healing and evisceration. Surgeon Circ. M. Sect. Far East Command, 1950, **5:** No. 3, 15–9.—**Slupsky, N. E.** [The treatment of granulating wounds] Voen. san. delo, 1942, No. 10, 18–23.—**Trueta, J.** The healing of wounds. In his Principl. & Pract. War Surg., S. Louis, 1943, 45–56.—**Whipple, A. O.** Wound healing. In: Burns Shock &c. (U. S. Nat. Res. Counc.) Phila., 1943, 177–94. ——— Factors in healing and

sequence of events. Ibid., 177–82.—**Wilson, H.** The relationship of wound healing and protein metabolism. Proc. Congr. Army Surgcons Centr. Mediter. Forces, 1945, 96–8.

—— Healing: Environmental and geographical factors.

LARGE, A. M. The effects of cooling on wound healing [Abstract] [1] l. 28cm. Wash., 1944.
Forms No. 17, Infect. Wounds & Burns Rep. (OSRD) Wash.

Byrne, R. V. Healing of wounds in New Guinea. War Med., Chic., 1945, **7**: 181.—**Robbins, F. R.** The healing of surgical wounds in the tropics. U. S. Nav. M. Bull., 1944, **42**: 450.—**Salgannik, G. M.** [Observations on the healing of wounds in the Arctic] Klin. med., Moskva, 1937, **15**: 118–21.—**Wound-healing** in the tropics. Bull. Army M. Dep., Lond., 1945, No. 49, 6.

—— Infection.

See as main heading **Wound infection.**

—— Mechanism.

See also **Ballistics Injury**—by weapons.

Black, A. N., Burns, B. D., & Zuckerman, S. An experimental study of the wounding mechanism of high-velocity missiles. Brit. M. J., 1941, **2**: 872–4.—**Harvey, E. N., Butler, E. G.** [et al.] Mechanism of wounding. War Med., Chic., 1945, **8**: 91–104.—**Squirru, C. M.** Esquema de la evolución de la herida de guerra. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 671–3.

—— naval.

Graham-Yool, M. A. Wounds in naval action. In: Surg. Mod. Warf. (Bailey, H.) Edinb., 1940–41, **772–7**; 2. ed., Balt., 1942, **2**: 898–903.—**Hukuda, Z.** Saikin yon-ka nenkan no gaisyō tōkei-tcki kansatu [Statistical observations on external wounds received on board six warships during the last four years] Kaigun gun-ikai zassi, 1939, **28**: 628–39.—**Keating, C.** Wounds in naval action. In: Surg. Mod. Warfare (Bailey, H.) 3. ed., Edinb., 1944, 994–1005.

—— Osteomyelitis.

See with **Wound infection.**

—— Pathology.

WRIGHT, A. E. Pathology and treatment of war wounds. 208p. 26cm. Lond., 1942.

Ashford, B. K. Histopathology of war wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 1086–94.—**Kergin, F. G.** The pathology and treatment of war wounds. Canad. M. Ass. J., 1945, **52**: 543–9.

—— Plastic surgery.

See **Plastic surgery.**

—— Research.

See also **Research,** surgical.

COPE, O. Annual report from contracts OEMcmr 102 and 307 [Abstract] 2p. 28cm. Wash., 1944.
Forms No. 25, Infect. Wounds & Burns Rep. (OSRD) Wash.

KINSELL, L. W. The uptake of radioactive phosphorus (P32) in rapidly regenerating tissue, and in normal tissue, in the human subject [Abstract] 1 l. 28cm. Wash., 1944.
Forms No. 21, Infect. Wounds & Burns Rep. (OSRD) Wash.

SIMMS, H. S., & PARSHLEY, M. S. The effect of materials upon adult tissues in vitro. 11p. 28cm. Wash., 1944.
Forms No. 31, Infect. Wounds & Burns Rep. (OSRD) Wash.

—— self-inflicted.

See also **Mutilation.**

Teneff, S. Simulazioni ed autolesionismo. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 562–74, illust.

—— Surgery.

See as main heading **Wound surgery.**

—— Treatment.

See also **Hospital service,** surgical; **Surgery,** Manuals; **Wound surgery.**

GREAT BRITAIN. WAR OFFICE. General principles guiding the treatment of wounds of war. 40p. 13½cm. Lond., 1917.

SARTORY, A. Le traitement des plaies de guerre. 111p. 16½cm. Par., 1917.

UNITED STATES. ARMY. LETTERMAN GENERAL HOSPITAL. ENLISTED TECHNICIAN'S SCHOOL. Treatment of wounds. 52p. 27cm. S. Franc., 1943.

Alessandri, R. Trattamento delle ferite di guerra. Gior. med. mil., 1936, **84**: 408–17.—**Blanco Acevedo, E.** Indicaciones terapéuticas generales en las heridas de guerra. Rev. med. Rosario, 1935, **9**: 11–28.—**Brunn, W. v.** Tratamento dos feridos na guerra. Med. germ., Rio, 1940, **9**: 405–9.—**C., L. R.** War wounds. Ann. Dent., 1942, **1**: 83–5.—**Care** of war wounds. Bull. U. S. Army M. Dep., 1944, No. 81, 2.—**Coller, F. A., & Farris, J. M.** Wounds of warfare. J. Laborat. Clin. M., 1942–43, **28**: 441–50.—**Committee** on the treatment of war wounds. Lancet, Lond., 1940, **2**: 109.—**Dikshit, B. B., & Gardham, A. J.** Treatment of wounds with special reference to war-wounds. Rep. Haffkine Inst., Bombay (1942–43) 1945, 49.—**Erdély, J.** Ueber die Wundbehandlung. Bull. War M., Lond., 1942–43, **3**: 249 (Abstr.)—**Farris, J. M.** A letter from Captain Farris; definitive treatment of wounds. Univ. Hosp. Bull., Ann Arb., 1944, **10**: 79–81.—**Gariepy, J. U.** Le traitement des plaies de guerre. Union méd. Canada, 1941, **70**: 504–14.—**Gilorteanu, I.** Le traitement des plaies de guerre. Bull. Acad. méd. Roumanie, 1937, **2**: pt 4, 639–50.—**Girgolav, S. S.** [Certain common errors in treatment of wounds] Voen. san. delo, 1941, No. 11, 6–8.—**Gómes Sigler, J. J.** Normas generales del tratamiento y primeros cuidados a los heridos de guerra. Coimbra méd., 1939, **6**: 323–39.—**Green, F. H. K.** Conference on the treatment of war wounds, organized by the War Wounds Committee of the Medical Research Council at the London School of Hygiene and Tropical Medicine on the 29th November, 1940. Bull. War M., Lond., 1940–41, 129–36.—**Gutiérrez, A.** Tratamiento de las heridas de guerra. Día méd., B. Air., 1945, **17**: 97–9.—**Halford, A. C. F.** War wounds. Med. J. Australia, 1942, **2**: 511.—**Hardaway, R. M.** Treatment of war wounds. Mil. Surgeon, 1944, **95**: 37–42.—**Harris, R. I.** War wounds; the present status of their treatment. Canad. M. Ass. J., 1945, **52**: 450–8.—**Hautz, G.** Tratamento da ferida de guerra. Rev. med. cir. Brasil, 1942, **50**: No. espec., 216–21.—**Hellner, H.** Zur Behandlung der Kriegswunde. Med. Klin., Berl., 1943, **39**: 455–8.—**Illingworth, C. F. W.** Treatment of war wounds. Glasgow M. J., 1942, **137**: Suppl., 7–15.—**Keller, W. L.** The general treatment of wounds of war. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 713–8.—**Lewis, D.** The treatment of war wounds. Mil. Surgeon, 1936, **79**: 10–2.—**MacCallum, P.** War wounds (special articles on civilian war casualties) Med. J. Australia, 1939, **2**: 658.—**MacLellan, E.** War wounds, the principles of treatment. Med. Press & Circ., Lond., 1942, **208**: 272–4.—**Management** (The) of war wounds. Med. Rec. N. Y., 1917, **91**: 636–8.—**Mitchiner, P. H.** War wounds, Mod. Treat. Yearb., 1944, **10**: 198–206.—**Moore, F. R.** The treatment of war wounds. Hosp. Corps Q., 1944, **17**: No. 5, 32–6. Also Med. Ann. District of Columbia, 1944, **13**: 213, &c.—**Ogilvie, W. H.** The treatment of war wounds. Practitioner, Lond., 1940, **145**: 337–44.—**Perman, E.** Sårbehandlingens framsteg under innevarande krig. Tskr. mil. hälsov., 1944, **68**: Suppl., 5–11.—**Petermann, J.** Ueber Wundbehandlung im Krieg und Frieden. Deut. med. Wschr., 1939, **65**: 584–6.—**Putzu, F.** L'esperienza della guerra mondiale nella cura delle ferite. Rass. internaz. clin. ter., 1935, **16**: 923–34.—**Shaw, C. G.** The treatment of war wounds (special articles on civilian war casualties) Med. J. Australia, 1939, **2**: 696.—**Sheehan, J. E.** Wounds in modern war. Med. Rec., N. Y., 1940, **152**: 165–7.—**Silva, C. C.** Feridas de guerra; tratamento. Vida méd., Rio, 1944, **12**: No. 3, 12–7.—**Simons.** Grundsätze der Wundversorgung. Acrztl. Feldpost., 1945, No. 4, 2.—**Sokołowski, T.** [Treatment of wounds] Lek. wojsk., 1941, **34**: 4–14.—**Spick, A. E.** Le traitement de la plaie de guerre. Arch. méd. pharm. mil., 1931, **95**: 333–52. Also Rev. méd. est, 1932, **60**: 109–28.—**Spittler, A. W.** War wounds. Hawaii M. J., 1942–43, **2**: 17–21.—**Stacy, H. S.** Twenty years after. J. R. Army M. Corps, 1939, **73**: 313; 1940, **74**: 52.—**Strömbeck, J. P.** [Treatment of wounds during war] Nord. med., 1939, **2**: 1550–4. Also in Handledn. & Försvarsmed., Stockh., 1940, **2**: 125–34. Also Nord. med., 1941, **9**: 68 (Abstr.)—**Treatment** (The) of war wounds. J. Am. M. Ass., 1916, **67**: 1304.—**Treatment** (The) of war wounds. Nature, Lond., 1917, **99**: 514; 534.—**Treatment** of war wounds. Brit. M. J., 1940, **2**: 17.—**Treatment** of war wounds [Merck & Co.] J. Am. Vet. M. Ass., 1942, **101**: 155.—**Treatment** of wounds in war. Brit. M. J., 1918, **1**: 490; 516; 544.—**Treatment** of wounds of war. Ibid., 28.—**Veraart, B. A. G.** [Treatment of wounds during warfare] Geneesk. gids, 1940, **18**: 70–3.—**Vergara Soto, M., & Aceves Peredo, J.** Principios y técnica generales del tratamiento de las heridas; las enseñanzas de la guerra 1914–18 y de la actual guerra mundial. Sugestiones, Méx., 1943–45, **9**: No. 108, 91; passim.—**Wakeley, C. P. G.** The treatment of wounds in war time. Med. Press & Circ., Lond., 1943, **209**: 27–9.—**War** wounds. Roche Rev., Nutley, 1941–42, **6**: 305; 343.—**War** wounds and their treatment. Med. J. Australia, 1940, **2**: 291.—**Weddell, J. M.** The treatment of wounds in war. Brit. M. J., 1939, **1**: 785–7. Also in War Wounds (Brit. M. J.) Lond., 1939, 1–8.—**Woolf, A. E. M.** Some aspects of the treatment of war wounds; a retrospective and present-day contemplation. Med. Press & Circ., Lond., 1943, **210**: 207–10.—**Woolsey, J. H.** Wounds; their care under civilian defense

California West. M., 1944, 61: 193–6.—**Wright, A. D.** Treatment of war wounds. Brit. M. J., 1940, 2: 877.

—— Treatment: Anesthetics.

Bonnet. Essais de traitement des plaies atones par les infiltrations de novocaïne au pourtour des lésions. Bull. Soc. méd. mil. fr., 1938, 32: 348–52.—**Fried, W.** Die Novokain-block-Behandlungsmethode von Prof. A. Wischnjewski. Deut. Gesundhwes., 1947, 2: 187.—**Vishnevsky, A. A.** [Local anesthesia and oil-balsam dressings in the Army] Arkh. biol. nauk, 1940, 57: No. 2, 26–34. ——— [Local anesthesia and treatment of war wounds] Vest. khir., 1940, 59: 179–89. ——— [Local anesthesia and treatment of wounds during military operations] Arkh. biol. nauk, 1941, 61: 8–32. Also Sovet. med., 1941, 5: 10–5. Also Bull. War M., Lond., 1941–42, 2: 263 (Abstr.) Also War Med., Chic., 1943, 3: 426 (Abstr.) ——— Naši metody lečenija ran. Arkh. biol. nauk, 1941, 62: 3–11. Also Bull. War M., Lond., 1943–44, 4: 67 (Abstr.)

—— Treatment: Antibiotics.

Brodkin. La pénicilline dans le traitement des blessures de guerre. Bull. internat. Serv. santé, Liége, 1944, 17: No. 11, 1–7.—**Gallardo, E.** Sensitivity of bacteria from infected wounds to penicillin; method of assay. War Med., Chic., 1944, 6: 86–91.—**Garrod, L. P.** The treatment of war wounds with penicillin. Brit. M. J., 1943, 2: 755. Also Bull. War M., Lond., 1944, 4: 319–21. Also Spanish transl., Rev. san. mil., B. Air., 1944, 43: 135–40.—**Gledhill, W. C.** Local and parenteral penicillin therapy in the treatment of recent war wounds. Austral. N. Zealand J. Surg., 1946–47, 16: 91–127.—**Harley, H. R. S.** The use of penicillin in the treatment of war wounds. Med. Bull., Bombay, 1946, 14: 6–9.—**Jeffrey, J. S.** Application of penicillin to war wounds. Brit. J. Surg., 1944–45, 32: 124–9. Also Rev. san. mil., B. Air., 1944, 43: 1501–11.—**Lyons, C.** Penicillin and its use in the war wounded. Am. J. Surg., 1946, 72: 315–8.—**Maisonnave, A. D.** Penicilina y sulfamidados en las heridas de guerra; resultados. Congr. interamer. cirug., 1946, 3. Congr., 3: 269–92.—**Penicillin** treatment of wounds; instructions for dispensing. Pharm. J., Lond., 1944, 98: 140.—**Pulvertaft, J. V.** Local therapy of war wounds with penicillin. Lancet, Lond., 1943, 2: 341–6.—**Review** of the Florey and Cairns report on the use of penicillin in war wounds. J. Neurosurg., 1944, 1: 201–10.—**Roy, T. E., & Greenberg, L.** A bacteriological study of 65 war wounds in relation to penicillin therapy. J. Canad. M. Serv., 1944–45, 2: 116–32. ——— & **Hamilton, J. D.** The indications for the use of penicillin at the time of suture of wounds. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6212, 1–7.

—— Treatment: Bacteriophage.

See also **Wound infection,** Treatment.

Raiga, A. Traitement des plaies de guerre par le bactériophage de d'Hérelle. 87p. 23½cm. Par., 1941.

Note relative à l'emploi des antivirus pour le traitement des plaies. Rev. vét. mil., Par., 1933, 17: 325–7.—**Roederer, C.** Traitement des plaies de guerre par le bactériophage de d'Hérelle, de M. Raiga. Bull. Soc. chir. Paris, 1941, 32: 156–8.—**Szarecki, B.** The treatment of wounds with bacteriophages. Lek. wojsk., 1942, 34: 263–77.

—— Treatment: Chemotherapy and antiseptics.

See also subheading (Treatment: Sulfonamides)

Creignou & Blaque, G. Traitement des plaies de guerre; méthode Mencière. 63p. 16°. Par., 1918.

Memorandum on the Carrel-Dakin treatment of wounds. 8p. 8°. Lond., 1917.

Action of antiseptics on wounds. J. R. Army M. Corps, 1940, 75: 40–4.—**Bello, E., & Castañeda, M.** Tratamiento actual de las heridas de guerra; evolución del concepto sobre el mecanismo biológico de los antisépticos. An. Fac. med. Lima, 1918, 1: 53–76.—**Bevan, A. D.** The Carrel-Dakin treatment. J. Am. M. Ass., 1917, 69: 1727.—**Bouquet, H.** Quelques nouvelles notions sur la désinfection des plaies de guerre. Bull. gén. thér., Par., 1915–16, 168: 656.—**Carrel, A.** Les principes de la technique de la stérilisation des plaies. Arch. méd. pharm. mil., 1916, 65: 489–98.—**Carrel-Dakin** treatment of wounds. Brit. M. J., 1917, 2: 597–9.—**Chemotherapy** as related to war wounds. In: Lect. Peace & War Orthop. Surg. Am. Acad. Orthop. Surgeons) Ann Arb., 1943, 314–22.—**Chemotherapy** in relation to war wounds. Brit. M. J., 1940, 1: 448–51.—**Chemotherapy** of war wounds. J. Am. M. Ass., 1940, 115: 2194.—**Colebrook, L.** Chemotherapy in relation to war wounds. J. R. Army M. Corps, 1940, 74: 197–204.—**Garrod, L. P.** Recent advances in the antiseptic treatment of wounds. Bull. War M., Lond., 1942–43, 3: 589–92.—**Karitzky, B.** Zur Chemotherapie von Kriegswunden. Münch. med. Wschr., 1943, 90: 178–80.—**Konzett, H.** Chemische Antisepsis und Sulfonamidbehandlung in der Kriegschirurgie. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 1: 57–70.—**Kozhenkov, I. A.** [Selection of ligatures in primary treatment of wounds with Carrel-Dakin solution] Tr. Acad. mil. méd. Kiroff, 1934, 1: 187.—**Legroux, R.** Chimioprévention de l'infection bactérienne des plaies de guerre. Mém. Acad. chir., Par., 1940, 66: 415–25.—**McClintock, L. A., & Goodale, R.** Studies on the improvement of wound therapy by the use of synergistic, imixtures of anti-bacterial substances. U. S. Nav. M. Bull. 1943, 41: 1057–64.—**McCormack, A. T.** The Carrel-Dakin treatment; a reply to Dr. Bevan. J. Am. M. Ass., 1917, 69: 2062.—**Marmeaux, A.** Chimiothérapie des plaies de guerre. Progr. méd., Par., 1939, pt 2, 1215–8.—**Marotte.** Exposé sur la question de l'antiseptique dans les plaies de guerre. Rapp. Com. internat. matér. san., 1939, 13: 123–8.—**Neumeyer, G.** Zur antiseptischen Behandlung der Kriegswunden. Deut. Militärarzt, 1944, 9: 231–5.—**Ogilvie, W. H.** Chemotherapy for war wounds; clinical experience after Dunkirk. Brit. M. J., 1940, 2: 642. ——— & **Page, M.** The chemotherapy of war wounds. Tr. M. Soc. London, 1940–43, 63: 54–60.—**Page, M., Colebrook, L.** [et al.] Chemotherapy for war wounds. Brit. M. J., 1940, 2: 640–3.—**Post.** Traitement d'une vaste plaie par la solution du professeur Delbet. Rev. path. comp., Par., 1916, 16: 195. ——— & **Gayral.** Traitement des plaies par les solutions Carrel-Dakin et Delbet. Ibid., 1915, 15: 406–9.—**Sokolov, S. D.** Lečenie ran khloraminom. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 524–31.—**Wustmann, O.** Untersuchungen zur Chemotherapie von Kriegswunden; Eubasin-, Marfanil-Prontalbinwundstreupulver. Deut. Militärarzt, 1944, 9: 417–20.

—— Treatment: Dressing, and closed plaster method.

See under **Wound surgery.**

—— Treatment: First aid.

See also **Wound surgery** subheadings (Excision; Primary suture)

Anderson, W. The early treatment of war wounds. 96p. 17cm. Lond., 1941.

Teneff, S. La ferite d'arma da fuoco ed il loro primo trattamento. p.104–57. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Farah, E. Missão da socorrista de guerra. In: Man. socor. guerra, S. Paulo, 1943, 11–7.—**Maliniac, J. W.** The early treatment of war wounds with emphasis on prevention of deformities. Hebrew M. J., N. Y., 1943, 1: 175–83.—**Teneff, S.** Il primo trattamento delle ferite d'arma da fuoco. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 139–48.

—— Treatment: Hemotherapy.

See also **Blood transfusion.**

Antipina, M. K. Autohemoterapija v uslovijakh tylovogo evakohospitalja. In: Sborn. nauch. rabot N-skogo evakohosp. (Dikovicky, A. A.) Gorky, 1943, 67–73.—**Baxter, J. P.,** III. Blood and blood substitutes. In his Scientists Against Time Bost., 1946, 321–36.—**Muirhead, E. E., Grow, M. H., & Walker, A. T.** Parenteral administration of fluids during the early care of battle casualties. Arch. Surg., 1946, 52: 640–60.—**Oltramare, J. H.** La transfusion du sang. In his Chir. guerre, Lausanne, 1944, 160–8.—**Ritter, A.** Blutersatz durch Bluttransfusion und Ersatzflüssigkeiten in der Armee im Frieden und im Kriege. Vjschr. schweiz. Sanitätsoff., 1937, 14: 34; passim.—**Sazontov, V. I.** Primenenie transsudata kak krovozamenjajuščej židkosti pri lečenii bolnykh i ranenykh. Voen. med. sborn., 1944, 1: 149–59.—**Selcovsky, P.** Krovozameščajuščie židkosti. In: Encikl. slovar voen. med., Moskva, 1946–48, 3: 135–9.—**Transfusions.** In: Summary Activ. Aeromed. Res. Sect. Off. Surgeon U. S. Air Forces Europe, 1945, App. 6n, 1.

—— Treatment: History.

Croes, F. *Schotwonden in de 16. eeuw. 140p. 24cm. Amst., 1940.

Mysh, V. M. Staroe i novoe v metodike sovremennogo lečenija ran i, v častnosti, ognestrelnykh ranenij, ikh osložnenij i posledstvij. p.7–79. 23½cm. Novosibirsk, 1947.

In his Materialy istor. khir. voen. vrem.

Boiling oil (From) to sulfonamides; wound surgery in the past. Clin. Excerpts, N. Y., 1942, 16: 195–204.—**Brunn, W. v.** Die Wundversorgung im Kriege in ihrer Entwicklung. Deut. Aerztebl., 1940, 70: 195–7.—**Chauvet, S.** Blessures de guerre. In his Méd. peupl. primit., Par., 1936, 62–73.—**D'Harcourt, J.** Estudio de la evolución en el criterio y tratamiento de las heridas de guerra de vientre, desde principios de siglo, hasta el final de la segunda gran guerra. Arch. méd. mex., 1945, 3: 264.—**Edmond, W. S.** A gunshot wound in 1814. Brit. M. J., 1943, 1: 733.—**Forty** years after. Mil. Surgeon, 1942, 90: 450.—**Haberling, W.** Die Kriegsverwundetenfürsorge in den deutschen Heldenliedern. Münch. med. Wschr., 1939, 86: 1332.—**Krauss.** Wandlungen in der Behandlung von Kriegswunden.

Umschau, 1939, 43: 1084–7.—**Lippay-Almássy, A.** Javult-e a harctéri sebesültek ellátása az első világháború óta? Orv. hetil., 1944, 88: mcll., 5.—**Morel, C.** Les blessures de guerre et leur traitement chez les peuplades néolithiques de la région des Causses. Arch. méd. pharm. mil., 1934, 100: 109–25.—**Pezzi, G.** Terapia medica delle ferite da arma da fuoco ncl' 600. Ann. med. nav., Roma, 1948, 53: 124–32, 2 pl.—**Stewart, D.** Disposal of the sick and wounded of the English Army during the 16. century. J. R. Army M. Corps, 1949, 92: 130–8.—**Woolf, A. E. M.** Some aspects of the treatment of war wounds; a retrospective and present-day contemplation. Punjab M. J., 1946, 11: 158–63.

—— Treatment: Hormones.

Sazontov, V. I. Katalizin-novyj biologićeskij preparat dlja lećenija ran i nagnoitelnykh processov. Voen. med. sborn., 1944, 1: 137–48.—**Serelman, H.** L'insuline dans le traitement des plaies de guerre. Presse méd., 1940, 48: 782.

—— Treatment: Hospital.

Corben, S. D., & Smith, D. R. The treatment of war wounds at an E. M. S. base hospital. Univ. Coll. Hosp. Mag., Lond., 1944, 29: 85–8.—**Gasanov, S. M.** Opyt lećenija ran v evakohospitale tyla naftamastikoj. Hosp. delo, 1945, No. 12, 37–9.—**Petitclerc, J. L.** The treatment of war wounds in French hospitals. Canad. M. Ass. J., 1937, 36: 60–62.—**Porter, J. E.** The treatment of war wounds at U. S. Naval Base Hospital No. 2. Surg. Gyn. Obst., 1944, 78: 477–86.—**Zabludovsky, A. M.** [Treatment of wounds in evacuation hospitals] Feldsher, Moskva, 1942, No. 4, 4–9.

—— Treatment: Local remedies.

See also subheading (Treatment: Chemotherapy and antiseptics)

Agar-agar in treating war wounds. Sc. Am. Suppl., N. Y., 1917, 83: 294.—**Belin.** De l'emploi du permanganate de potassium en poudre dans le traitement des plaies, en campagne. Rev. path. comp., Par., 1915, 15: 337–50.—**Bibergeil E.** Zur Behandlung schlechtheilender granulierender Wunden. Deut. mil. ärztl. Zschr., 1918, 47: 289.—**Bulba, V.** [Significance of the use of cleol, as rational method in surgery, in field hospitals] Voen. san. delo, 1935, 23–5.—**Dakov, V., & Lisova, A.** Liječcnje rana pomoću vrućeg parafina uz kontrolu citoloske slike eksudata rane. Voj. san. pregl., Beogr., 1945, 2: No. 8, 16–9.—**Doppler, K.** Die Wundbehandlung mit überkonzentrierter Kaliumpermanganatlösung im Krankenhaus und im Feld. Med. Klin., Berl., 1940, 36: 399–401.—**Fernández-Ruiz, C.** Los vendajes de cola de cinc, tratamiento de elección en las heridas de tórpida cicatrización de miembros inferiores. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 108–11.—**Freiman, S. A., & Kogan, J. A.** [Treatment of wounds with naphthaline-vaseline ointment] Voen. san. delo, 1942, No. 10, 78.—**Fulghum, J. E.** Merthiolate-tannic acid method of treating abrasion wounds. U. S. Nav. M. Bull., 1943, 41: 534–6.—**Goldberg, D. I.** Nekotorye itogi primenenija mazi, stimulirujušćej zaživlenie ran. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 95–102.—**Gurd, F. B., & McKim, L. H.** B. I. P. P. and liquid paraffin treatment of war and civilian wounds. Ann. Surg., 1941, 113: 987–1000.—**Györffy, I.** Potassium permanganate-boric acid powder in treatment of wounds. War Med., Chic., 1943, 3: 661 (Abstr.)—**Janov, N. M.** Mekhanizm dejstvija spirt-iodnogo rastvora v praktike orośenija im ranenij voennogo vremeni. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 103–9.—**Khodkov, V.** [Preliminary treatment of war wounds with a soap solution] Med. rabot., 1944, 7: No. 10, 2.—**Kovalsky, V. V., Palladina, L. I.** [et al.] [Effect of aqueous extracts of preserved cadaveric skin on the healing of wounds] Voen. med. glub. tyla (Średneaziat. voen. okrug) Tashkent, 1943, 204–8.—**Lhoste, A.** Le traitement des plaies par les sucre. Rev. path. comp., Par., 1916, 16: 232–4.—**Mac-Auliffe, L.** Dégraissage de la périphérie des plaies de guerre, par le tétrachlorure de carbone. Bull. Acad. méd., Par., 1916, 3. ser., 76: 180.—**McInturff, D. N.,** jr. Camphorated oil in the treatment of minor industrial wounds. U. S. Nav. M. Bull., 1936, 34: 70–2.—**Orator, V.** Die Anwendung von Tierkohlengranulat (Merck) bei der Wundbehandlung im Krieg und Frieden. Zbl. Chir., 1941, 68: 898–903.—**Potassium** permanganate in the disinfection of wounds. Med. J. Australia, 1917, 2: 500.—**Remzi Tarakçioglu.** Yara ve ekzama tedavisinde balik yaği, haricen kullanilişi. Askerî vet. mecmuası, 1941, 19: No. 149, 137–43 (Abstr.)—**Ritter, A.** Eignen sich die ätherischen Oele als Wundbehandlungsmittel, speziell auch in der Kriegschirurgie? Schweiz. med. Wschr., 1936, 66: 157.—**Sampson, H. H.** Local treatment of recent war wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 75–85.—**Sawae, R.** Geka-ryōiki ni okeru pilocarpine-ryōhō; pilocarpine no sōsyō ryōhō [Pilocarpine treatment in the field of surgery; treatment of wounds with pilocarpine] Nippon gekagakkai zassi, 1931–32, 32: 922–40.—**Shimśelevič, B. J.** Parafinolećenie i primenenie peska pri lećenii bolnykh. Med. sestra, Moskva, 1945, No. 7, 23–7.—**Shostakovsky, Z. F., Avakova, V. A., & Ljapin-Dolinsky, A. D.** O primenenii balzama vinilina pri voenno-polevykh ranenijakh. Sovet. med., 1947, 11: No. 9, 15.—**Siina, S.** Sōsyō no yuzai ryōhō ni kan-suru kenkyū [Study on treatment of wounds with an oil preparation] Kaigun gun-ikai zassi, 1939, 28: 685–704, 4 pl. ——— Yo ga sōsei-seru sōsyō sendeki-eki ni tuite [A new wound-washing solution made by the author] Ibid., 1940, 29: 546–57, pl.—**Stonham, F. V.** Urea treatment of wounds. J. R. Army M. Corps, 1941, 77: 240–4.—**Superiority** of liquid petrolatum in the removal of fuel oil from burns and wounds. Bumed News Lett., Wash., 1944, 3: No. 6, 3.—**Theilhaber, F. A.** Ein neues Granulationsmittel (Benegran) Münch. med. Wschr., 1916, 63: 918.—**Thomann, J.** Folium Digitalis als Wundheilmittel. Schweiz. Apoth. Ztg, 1943, 81: 189.—**Tivanovac, P.** Liječenje torpidnih rana pčelinjim voskom. Voj. san. pregl., Beogr., 1948, 5: 198–201.

—— Treatment: Medical care.

Holman, E. Working rules in the field; supplementary suggestions on care of wounded. U. S. Nav. M. Bull., 1944, 43: 253–62.—**Kirk, N. T.** Recapitulation of medical care. Proc. Service Command Conf. U. S. Army, 1945, 7: 309–13.—**Medical** care. Ibid., 127–51.

—— Treatment: Methods.

MAGNUS, G. Ueber den heutigen Stand der Wundbehandlung nach den Erfahrungen des Weltkrieges. 20p. 8° Lpz., 1933.

UNITED STATES. NAVY DEPARTMENT. BUREAU OF MEDICINE AND SURGERY. Notes on recent advances in the treatment of wounds and burns. 11p. 27em. Wash., 1942.

Alessandri. Seguito della discussione sulla cura delle ferite di guerra. Policlinico, 1917, 24: sez. prat., 556.—**Banaitis, S.** Etapnoe lećenie ran. Voen. san. delo, 1935, 10–6.—**Barthe de Sandfort.** De la kérithérapie dans les plaies de guerre. Rev. path. comp., Par., 1915, 15: 87–90.—**Bassuet.** Sur le traitement des plaies de guerre anciennes. Gaz. méd. Paris, 1916, 87: 14.—**Baynes, T. L. S.** The application of theory to practice in the after-treatment of war wounds. J. R. Nav. M. Serv., 1944, 30: 170–5.—**Brünlng, F.** Ueber moderne Wundbehandlung. Deut. Militärarzt, 1936, 1: 233–7.—**Cabral Sacadura, F.** Terapêutica das feridas de guerra em geral. Bol. Dir. serv. saúde mil., 1939, 191–210.—**Cope, V. Z.** The main principles of treatment of war wounds; with special reference to limb wounds. S. Mary Hosp. Gaz., Lond., 1941, 47: 136–40.—**Debaisieux, G.** Considérations générales sur le traitement des plaies de guerre. Tr. Ambul. Océan, La Panne, 1917, 1: 65–84.—**Depage & Maloens.** Aperçu clinique sur les effets comparés de divers traitements des plaies de guerre (juillet 1916 à juillet 1917) Ibid., fasc. 2, 1–19.—**Duroux, E.** Traitement différent des plaies de guerre suivant les secteurs. Progr. méd., Par., 1939, pt 2, 1203.—**Franke.** Interne Mittel in der Wundbehandlung. Veröff. Marine San., 1942, H. 34, 55–8.—**Fruchaud, H.** Treatment of recent war wounds; French and Spanish methods. Lancet, Lond., 1942, 1: 725–7.—**Gonzalo Castañeda.** Criterio y práctica moderna en la atención de las heridas de guerra. Rev. cirug. Hosp. Juárez, Méx., 1935, 6: 711–15.—**Gordon-Taylor, G.** El tratamiento actual de las heridas de guerra. Rev. san. mil., B. Air., 1942, 41: 185–8. Also Rev. san. mil., Habana, 1942, 6: 265–7. Also Union méd. Canada, 1942, 71: 11–5. Also Camsi, Montréal, 1943, 2: 101–6.—**Hikmet Sahin** [Medical treatment of war wounds] Askerî sıhhiye mecmuası, 1940, 69: No. 32, 17–37.—**Keating, P. M., & Davis, F. M.** Prophylactic treatment of wounds in war. Mil. Surgeon, 1940, 86: 235–40.—**La Cava, G.** La medicatura biologica nel trattamento delle ferite di guerra. Atti Accad. fisiocr. Siena, 1941, 9: 117–25, illust.—**Lauber, H.** Beitrag zur Behandlung der Kriegswunden. Med. Welt, 1943, 17: 135–41.—**Leotta, N.** Trattamento definitivo delle ferite cavitarie di guerra. Gior. med. mil., 1939, 87: 787–802.—**Libov, L. L.** Osložnenija v tećenii ranenij; zaživlenie ran pri nepolnocennom pitanii. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 132–7.—**Moppert.** Les progrès réalisés dans le traitement de la plaie de guerre. Méd. & hyg., Genève, 1947, 5: 189.—**Mysh, V. M.** Otkrytyj i zakrytyj sposoby lećenija ran. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 80–99.—**Nesterov, A. I.** Kompleksnaja funkcionalnaja terapija i ee znaćenie dlja lećenija voenno-travmatićeskikh poraženij v evakohospitaljakh. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 288–95.—**Nogueira Paranaguá, C.** Tratamento atual das feridas de guerra. Impr. med., Rio, 1942, 18: No. 341, 48–51.—**Office** of Civilian Defense advises on new technics for treating burns and wounds. Mod. Hosp., 1943, 61: No. 4, 126–8.—**Ohsuka, T.** Kaigun ni okeru sensyō tiryō hōsin ni tuite [Naval policies for treatment of war-wounds] Gun idan zassi, 1938, 804–8.—**Ospovat, B. L.** [Contemporary methods in treatment of wounds] Feldsher, Moskva, 1939, No. 4, 38–41.—**Petrov, N. N.** Metodika khimićeskoj oćistki. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 110–22.—**Polonowski & Durand, G.** Sur un nouveau mode de traitement des plaies. Rev. path. comp., Par., 1917, 17: 345–52.—**Prigge, R.** La sueroterapia y la quimioterapia en el tratamiento de las heridas de guerra. Casa del médico, 1943, 2. época, No. 34, 77.—**Rankin, F. W.** Los progresos en el tratamiento de los heridos de guerra. Rev. mil. Perú, 1947, 44: 43; passim. ——— **Ogilvie, W. H.** [et al.] War wounds and burns. Clinics, 1943–44, 2: 1194–218.—**Ricci, G. B.** Ancora sulla cura delle ferite dei nostri valorosi. Gazz. osp., 1918, 39: 578.—**Rufanov, I. G.** [Modern methods of treatment of wounds] Feldsher, Moskva, 1942, 1–6. ——— & **Burdenko.** Referát o skúsenostiach liečcnia rán. Bratisl. lek,

listy, 1947, 27: 562.—**Sallšćev, V. E.** [Modern methods of treatment of wounds] Feldsher, Moskva, 1942, No. 5, 1–3.—**Slesinger, E. G.** Modern treatment of war wounds. Nurs. Times, Lond., 1942, **38**: 86; passim.—**Szacki, A.** Przyczynek do metodyki opracowania świeżych zranień; przemywanie ran podczas udzielania pierwszej pomocy. Lek. wojsk., 1946, 26–34.—**Troconis, F.** Sobre el tratamiento de las heridas de guerre. Repert. med. cir., Bogotá, 1932, **23**: 426–35.—**Van Wagoner, F. H.** The treatment of minor wounds and infections. Mil. Surgeon, 1939, **85**: 427–31.—**Walton, J.** Recent advances in the treatment of war wounds. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 3–10.

—— Treatment: Physiotherapy.

Alexandrov, V. A. [Fangotherapy of war wounds] Klin. med., Moskva, 1943, **21**: No. 3, 43–7.—**Belot & Dechambre.** Le traitement des plaies de guerre par l'air chaud sous pression. Paris méd., 1918, **28**: Suppl., 323.—**Cure** (La) solaire des plaies de guerre. J. méd. chir., Par., 1917, **88**: 847–51.—**Dikovsky, A. M.** Kurortnoe lećenie boevykh travm i zabolevanij voennosluźaśćikh v uslovijakh Zapadnoj Sibiri. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 302–10.—**Domshlak, M. P.** [X-ray treatment of war wounds] Khirurgia, Moskva, 1943, No. 2, 37–43. ——— Rentgenoterapija voennykh ran; ee organizacija i pokazanija. Hosp. delo, 1947, No. 4, 54–6.—**Goldfeil, L. G.** [Balneo-physiotherapy for fresh wounds] Voen. san. delo, 1943, No. 7, 19–24.—**Guzman, S.** [Modern biological and physical methods in treatment of atonic wounds, with special reference to the author's method] Lek. wojsk., 1937, **30**: 18–36.—**Hill, L.** The penetration of rays through the skin and radiant energy for the treatment of wounds. J. R. Army M. Corps, 1940, **74**: 1–9.—**Krichevsky, A. M.** [Treatment of slow healing war wounds and hypertrophic scar-tissue with iontophoresis of zinc] Sovet. med., 1943, **7**: 7–9.—**Loginov, A. M.** Lećenie ran ultrafioletovymi lućami. Voen. med. J., Moskva, 1946, 22.—**Rakhmanov, A. V.** Teorija i praktika fizioterapii ran. Voen. san. delo, 1940, No. 8, 9–14. ——— [Application of physical methods in treatment of wounds] Feldsher, Moskva, 1943, No. 3, 1–6.—**Rivière, J.** Cicatrizing war wounds, and fistulous directions by means of effluvia of high frequency. Am. J. Electrother., 1918, **36**: 22–5.—**Shamraevsky, S. M.** K metodike primenenija fizićeskoj terapii pri otkrytom lećenii ran. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 197–202.

—— Treatment: Sulfonamides.

See also subheading (Treatment: Chemotherapy and antiseptics)

Tesson, A. *Les sulfamides dans le traitement des plaies de guerre; les enseignements qui en découlent dans la pratique courante. 76p. 24cm. Par., 1941.

Allaines, F. d', & Guny, A. Résultat du traitement des blessures de guerre par les sulfamides. Mém. Acad. chir., Par., 1940, **66**: 765–70. Also Presse méd., 1940, **48**: 979.—**Altino, E.** Dos ferimentos de guerra e das sulfamidas. Rev. med. mil., Rio, 1941, **30**: 85–100. Also Rev. san. mil., B. Air., 1941, **40**: 456–60.—**Barondes, R. R., & Drischel, F. G.** Treatment of war wounds with the sulfonamides. Mil. Surgeon, 1934, **93**: 72–7.—**Basset, A., & Larget, M.** A propos de la sulfamidothérapie des plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 771–7. Also Presse méd., 1940, **48**: 979.—**Beyer, W.** Chemotherapy in hands of surgeon; marfanilsulfanilamide as new wound antiseptic. War Med., Chic., 1943, **4**: 211 (Abstr.)—**Colebrook, L.** Treatment of war wounds by sulphonamide packs. Lancet, Lond., 1940, **2**: 113.—**Desplas, B.** Critique de l'emploi des sulfamides locaux et généraux dans le traitement des blessures de guerre. Mém. Acad. chir., Par., 1940, **66**: 784–7. Also Presse méd., 1940, **48**: 980. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 260–9.—**Feggetter, G. Y.** Sulphathiazole-proflavine powder in war wounds. Lancet, Lond., 1944, **1**: 593.—**Ferraro, D.** La chemioterapia sulfamidica nelle ferite di guerra (in Francia) Forze san., Roma, 1941, **10**: No. 1, 33–41.—**Fox, C. L., jr.** Sulfonamides in the treatment of war wounds and burns. Spec. Libr., Balt., 1943, **34**: 244–7. Also Annual Rep. Smithson. Inst. (1943) 1944, 569–74.—**Franke, O.** Ueber Wundbehandlung mit Sulfonamiden. Deut. Militärarzt, 1944, **9**: 45–8.—**Gabetti, D. C.** Alcuni cenni sul funzionamento chirurgico del IV Ospedale da campo e sull'impiego dei sulfamidici sui feriti di guerra. Boll. Soc. piemont. chir., 1941, **11**: 865–71.—**Gebhardt & Fischer, F.** Besondere Versuche über Sulfonamidwirkungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 43.—**Gosset, J.** Plaies de guerre et sulfamides. Mém. Acad. chir., Par., 1940, **66**: 820–5. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 269–71.—**Guazzelli, A.** I sulfamidici in polvere nella cura delle ferite. Gior. med. mil., 1942, **90**: 430–4.—**Hare, R., & Clark, E. M.** Use of plastic gels as vehicles for applying sulfonamide compounds to wounds. War Med., Chic., 1943, **4**: 140–51.—**Herrmann, G.** Marfanil-Prontalbinpuder in der Kriegschirurgie. Münch. med. Wschr., 1943, **90**: 697.—**Heyl, J. T.** Sulphathiazole in the treatment of war wounds. Proc. R. Soc. M., Lond., 1940–41, **34**: 782–6.—**Jentzer, A., & Madjzoub, R.** The treatment of wounds by Hoffmann-La Roche, 4029. Bull. War M., Lond., 1941–42, **2**: 319 (Abstr.)—**Judin, S. S.** Mestnaja i obśćaja sulfamidoterapija pri lećenii ognestrelnykh ran. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 289.—**Legroux.** Sur l'emploi du sulfamide dans le traitement des plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 879–82. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 242. Also Praxis, Bern, 1942, **31**: 48 (Abstr.) Also Surg. Gyn. Obst., 1942, **74**: Suppl., 392 (Abstr.) ——— Chimioprévention des plaies de guerre par les sulfamides. Gaz. hôp., 1940, **113**: 373.—**Michon, L.** L'emploi des sulfamides dans le traitement des plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 806–12.—**Monod, R., & Claisse, R.** Sulfamidothérapie locale et contrôle bactériologique dans les plaies de guerre. Ibid., 777–83. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 249–60.—**Müller, H. R.** Schädigung durch endolumbale Sulfonamiddarreichung. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 45.—**Oliveira Ramos, J. de.** A sulfanilamidoterapia da ferida de guerra. Rev. méd. cir. Brasil, 1944, **52**: 885–93. ——— **& Faria, R.** A sulfaterapia da ferida de guerra. Rev. med. mil., Rio, 1943, **32**: 388–98. Also Rev. paul. med., 1943, **23**: 190–7.—**Pergament-Abramovich, R. I.** [The treatment of war wounds with sulphidine iontophoresis] Hosp. delo, 1944, No. 6, 37–40.—**Pfister.** Sulfapyridine in the treatment of wounds. War Med., Chic., 1942, **2**: 166 (Abstr.)—**Popovitch.** Traitement des plaies de guerre par les sulfamides et la pénicilline. Rev. Corps san. mil., Par., 1946, **2**: 147.—**Pulvertaft, J. V., & Mackenzie, D. H.** Local therapy of war wounds with sulphasuxidine. Lancet, Lond., 1943, 2: 279–84.—**Sager, W. W., & Pudenz, R. H.** Concentrations of sulfonamides in wound exudates following oral administration; an experimental study. U. S. Nav. M. Bull., 1944, **42**: 1275–82.—**Salles Gadelha, C.** Gaze sulfanilamídica. Rev. med. mil., Rio, 1942, **31**: 218.—**Sanchís Olmos, V.** Sobre el uso de la sulfamida en cirugía de guerra. Medicina, 1941, **9**: 136–44.—**Sarroste & Fauvert, R.** Influence de la sulfamidothérapie sur l'évolution bactériologique des plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 812–20.—**Sauvé, L.** Les sulfamides en chirurgie de guerre. Presse méd., 1940, **48**: 980.—**Schulze, W., & Jergius, A.** Frühbehandlung mit Sulfathiazol bei Verwundungen. Deut. Militärarzt, 1943, **8**: 391–405.—**Sefton, N.** Noticia terapêutica complementar [aplicação local de sulfamida] Rev. med. mil., Rio, 1942, **31**: 216.—**Souza Lopes, R.** As sulfamidas nos traumatismos de guerra. Impr. méd., Rio, 1943, **18**: No. 354, 47–51.—**Sulfatiazol** en el tratamiento de heridas de guerra. Sem. méd., B. Air., 1942, **49**: pt 2, 1076.—**Sulphathiazole-proflavine** powder for wounds. Bull. Army M. Dep., Lond., 1944, No. 33, 1.—**Thrower, W. R.** Sulfamidoterapia em cirurgia de guerra. Impr. méd., Rio, 1943, **18**: No. 351, 54–9.—**Tréfouel, J.** Eksperimentalnye dannye o dejstvii sulfamidov pri lećenii ran voennogo vremeni. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 213–7.—**Walder, H. J.** An instrument for introducing sulfonamide crystals into wounds. Mil. Surgeon, 1943, **92**: 442.—**Wustmann, O.** Untersuchungen zur Chemotherapie von Kriegswunden; Prontosil, Albucid, Sulfapyridin oral. Deut. Militärarzt, 1943, **8**: 406–15.

—— Treatment: Vitamins.

Bronstein, E. B. [Treatment of wounds with vitamin C obtained from pine needles] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 231.—**Komarćeva, A. G.** [Vitamin therapy of wounds] Feldsher, Moskva, 1941, No. 7, 11–3.—**Menśikov, F. K.** O znaćenii vitaminov v kompleksnoj terapii voennoj travmy. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 295–302.

—— by branches of service: Air Force.

Benson, O. O., jr, & Hoffman, I. L. A study of wounds in combat crews with certain recommendations for prevention. Air Surgeon Bull., 1944, **1**: No. 7, 1–3.—**MacFee, W. F.** The treatment of wounds received in aerial combat. In: Interallied Conf. War Med. (1942–45) 1947, 126.—**Motobayasi, H., Sugita, T., & Kimura, M.** Japanese Navy aircrew wound survey. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 242, 1–6.—**Stewart, J. D., & Ristine, E. R.** Combat wounds in crewmen of heavy bombers. Air Surgeon Bull., 1945, **2**: 101.

—— by organs and regions.

See also names of organs and regions.

Bourgeois & Sourdille. War injuries of the ear. Rev. War Surg. & M., 1918, **1**: No. 6, 61–6.—**Chance, A.** War injuries. Lancet, Lond., 1940, **1**: 363.—**Łęczycki, A.** [Localization of war wounds on the surface of the body] Lek. wojsk., 1934, **23**: 9; 78.—**Moure, E. J., Liebault, G., & Canuyt, G.** Pathology of war wounds of the larynx and trachea. Rev. War Surg. & M., 1918, **1**: No. 8, 30–6.—**Stacy, H. S.** Twenty years after; multiple wounds (abdomen, buttock, and arms) fractured humerus; wounds of small bowel and bladder. J. R. Army M. Corps, 1940, **74**: 176.—**War** wounds of the lung. Rev. War Surg. & M., 1918, **1**: No. 4, 1–26.—**Wounds** of the throat. Ibid., No. 5, 38–42.

—— by organs and regions: Abdomen.

See also **Wound surgery,** abdominal.

Abdominal wounds. Bull. Army M. Dep., Lond., 1943, No. 20, 6.—**Abdominal** wounds in war. J. Am. M. Ass., 1937, **109**: 1649.—**Ascoli, R.** Alcune considerazioni sui feriti di guerra

all'addome. Gior. med. mil., 1939, 87: 941–9.—**Borden, D. L.** War wounds of the abdomen. J. Lancet, 1943, 63: 213.—**Bravo y Diaz Cañedo.** Consideraciones sobre las heridas de vientre. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 50–6.—**Canto Borreguero, N.** Nuestra experiencia en los heridos de vientre. Rev. españ. med. cir. guerra, 1939, 2: 1–8.—**Castiglioni, G.** Ferite dell'addome. Atti Accad. med. lombarda, 1940, 29: 444–60.—**Charbonnier, A.** Généralités sur les plaies pénétrantes de l'abdomen en chirurgie de guerre. Rev. méd. Suisse rom., 1940, 60: 357–82.—**Chute, A. L., Cleghorn, R. A., & Armstrong, J. B.** Studies of bodily reactions to injury in battle casualties; clinical and physiological observations in casualties with wounds penetrating the abdomen. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6227d, 1–13, 7 tab. ch.—**Faure, J. L.** Réflexions sur les plaies de guerre de la région abdominale. Rev. Serv. san. mil., Par., 1940, 112: 319–22.—**Giacobbe, C.** Ferite dell'addome. Gior. med. mil., 1942, 90: 641–55.—**Gómez-Durán, M.** Los ciclos afortunados y las etapas desgraciadas de los penetrantes de vientre; las fases del optimismo entusiasta y del pesimismo desalentador. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 170–9.—**Greene, E. I.** Abdominal wounds in war. In: Rev. Med. (Boshes, B.) 5. ed., Chic., 1942, 281–6.—**Heaton, L. D.** Abdominal war wounds. Hawaii M. J., 1942–43, 2: 26–8. Also Mil. Surgeon, 1943, 93: 22–5.—**Jones, H. W.,** jr. Wounds of the abdomen. J. Mil. M. Pacific, 1946, 2: No. 2, 27–34.—**Kosanovitch.** Plaies de l'abdomen. Rev. Corps san. mil., Par., 2: 144.—**Lieux & Courbil.** Plaie pénétrante de l'abdomen avec perforations multiples; guérison. Bull. Soc. méd. mil. fr., 1939, 33: 384–6.—**McGrigor, D. B., & Samuel, E.** The radiology of war injuries; war wounds of the abdomen. Brit. J. Radiol., 1945, 18: 65–75.—**Macías Torres, E.** Enseñanzas de la guerra; tratamiento de las heridas del abdomen. Progr. clín., Madr., 1917, 9: 18–40.—**Maingot, R.** The management of war wounds of the abdomen. Mod. Treat. Yearb., 1944, 10: 219–31.—[**Measures** in penetrating wounds of the abdomen] Voen. san. delo, 1942, No. 10, 84–6.—**Naz.** Plaies de guerre. Rev. méd. Suisse rom., 1942, 62: 67.—**Neuman.** Les plaies de l'abdomen en temps de guerre. Bull. internat. Serv. santé, Liége, 1940, 13: 14–8.—**Nores Martínez, A.** Las heridas penetrantes del abdomen y su tratamiento. Rev. san. mil., B. Air., 1943, 42: 155–86.—**Quick, B.** (Special articles on civilian war casualties: abdominal wounds) Med. J. Australia, 1939, 2: 972–7.—**Rankin, F. W., & Hurt, L. E.** Notes on abdominal wounds received in battle. In: Noland Reun. Vol., Fairfield, 1947, 255–68.—**Searls, H. H., & Shidler, F. P.** War wounds of the abdomen. J. Iowa M. Soc., 1946, 36: 473–7.—**Shidler, F. P.** Abdominal war wounds; report of ten cases with recovery. U. S. Nav. M. Bull., 1946, 46: 558–65.—**Taylor, G. G.** Las heridas abdominales en la guerra moderna. Rev. san. mil., B. Air., 1942, 41: 381–4.—**Tkačev, S. E.** 500 slučaev pronikajuščikh ranenij života. Voen. med. J., Moskva, 1945, No. 7, 12–7.—**Val-Carreres Ortiz, A.** Consideraciones sobre los heridos abdominales de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 332–8.—**Wakeley, C. P. G.** The treatment of abdominal war wounds. Med. Press & Circ., Lond., 1939, 202: 357.—**War** wounds of the abdomen. Postgrad. M. J., Lond., 1940, 16: 115.—**Welch, C. E.** War wounds of the abdomen. N. England J. M., 1947, 237: 156; 187.

—— by organs and regions: Abdomen—Complications and sequelae.

Beaver, M. G., & Smith, R. S. Late manifestations of abdominal wounds of war. Mil. Surgeon, 1945, 97: 13–23.—**Bradford, B.,** jr, & **Campbell, D. A.** Fatalities following war wounds of the abdomen. Arch. Surg., 1946, 53: 414–24.—**Branovački, E. M.** (Sequels of abdominal wounds) Voj. san. glasnik, 1934, 5: 373–81.—**Foisie, P. S.** Intestinal obstruction following abdominal battle wounds. N. England J. M., 1946, 234: 498–500.—**Fontes Peixoto, G. J.** Sequelas dos ferimentos de guerra do abdomen. Rev. med. cir. Brasil, 1942, 50: 949–84.—**McIver, M. A.** Complications following war wounds of the abdomen. Gastroenterology, 1947, 8: 504–11.—**Moore, R. M., & Kennedy, J. C.** Mortality in penetrating wounds of the abdomen in civil practice; with particular reference to the influence of hemorrhage. War Med., Chic., 1942, 2: 912–6.—**Nores, A. (H.)** Las peritonitis del postoperatorio en los heridos del abdomen. Rev. san. mil., Habana, 1939, 3: 342–51.—**Nores Martínez, A.** Complicaciones del postoperatorio en los heridos del abdomen. Rev. san. mil., B. Air., 1944, 43: 1159; passim.—**Ogilvie, W. H.** The late complications of abdominal war-wounds. Lancet, Lond., 1940, 2: 253–6.—**Stabler, F.** Complications of abdominal wounds; immediate. J. R. Nav. M. Serv., 1943, 29: 22–9. ——— Late complications of abdominal wounds. Ibid., 103–7.

—— by organs and regions: Abdomen—Gunshot wounds.

See also subheading (—by weapons: Gunshot wounds)

Barón, A. G. Clasificación de las heridas del abdomen por arma de fuego. Rev. españ. med. cir. guerra, 1940, 5: 1–4.—**D'Arcy, T. N.** Gun-shot wound of the abdomen. J. R. Nav. M. Serv., 1941, 27: 235–49.—**Davis, J. W.** Gunshot wounds of the abdomen. Mil. Surgeon, 1940, 86: 456–62. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 198–205.—**Debreczeny, Z.** A haslövések kórjóslata és orvoslása a hadosztály eü. oszlopánál. Orvostud. közl., 1944, 5: 264–7.—**Harild, S.** Dic intraperitoneale Verwendung von Sulfathiazol bei Bauchschüssen. Bull. War M., Lond., 1942–43, 3: 128 (Abstr.)—**Harms, H. P., & Hack, R. W.** Gunshot wound of the abdomen; report of a case. U. S. Nav. M. Bull., 1944, 42: 928.—**Hukuda, S., & Usuda, M.** Hukubu syasō ni tuite [Gunshot wounds in the abdomen] Kaigun gun-ikai zassi, 1941, 30: 347–56.—**Jiménez Benítez, F.** Protocolos de autopsias en diez heridos por arma punzo cortante y de proyectil de arma de fuego penetrantes de vientre. Torreón méd., 1949, 4: 206–10.—**Jirásek, A.** Naše zkušenosti o střelných poraněních břicha ve světové válce. Cas. lék. česk., 1919, 58: 633; 659; 681.—**Krivorotov, I. A.** [The administration of sulphidine in the treatment of gunshot wounds of the abdomen] Voen. san. delo, 1942, No. 10, 28–30.—**Lockwood, A. L.** Gunshot wounds of the abdomen (Surgical problems of war) Brit. M. J., 1940, 1: 401–3.—**Mervine, T. B.** Fatal gunshot wound of the abdomen. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1947, 4: No. 2, 8.—**Nisida, Z., & Ogawa, M.** Sentō-sei hukubu syasō no syuzyutu keiken [Experience with operation on gunshot wounds of the abdomen] Kaigun gun-ikai zassi, 1939, 28: 139–46.—**Pawlowski, B.** [Sequels of abdominal gun shot wounds] Lek. wojsk., 1935, 26: 449–57.—**Pfeil, K.** Sollen Bauchschüsse nach Ablauf von 12 Stunden noch operiert werden? Deut. Militärarzt, 1943, 8: 160–6.—**Pšeničnikov, V. I.** [Gunshot wounds of the abdomen during military operations] Arkh. biol. nauk, 1941, 62: 34–8. Also Bull. War M., Lond., 1943–44, 4: 77 (Abstr.)—**Reinberg, S. A.** X-ray diagnosis in gunshot wounds of the abdominal cavity and its significance in field surgery. Brit. J. Radiol., 1944, 17: 291–5.—**Schmeiden, V.** Ueber die Bauchschussverletzungen im Kriege. Zbl. Chir., 1943, 70: 231–6.—**Schroeder, K.** Zur Behandlung der Bauchschüsse. Bull. War M., Lond., 1942–43, 3: 502 (Abstr.)—**Schürer, F. v.** Ueber intraperitoneale Anwendung von Cibazol bei Bauchschüssen. Deut. Militärarzt, 1943, 8: 686–92.—**Stacy, H. S.** (Twenty years after; gunshot wounds of abdomen) J. R. Army M. Corps, 1940, 74: 105–12.—**Stevenson, W. F.** Laparotomy for gunshot wounds of the abdomen. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 75–8. ——— Gunshot wounds and injuries of the abdomen; no visceral lesion noted. Ibid., 105–11. ——— The treatment of gunshot wounds of the abdomen. Ibid., 112–6.—**Traube, V.** Behandlung von Spätfolgen nach operativ und konservativ behandelten Bauchschüssen. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 338–59.—**Uffreduzzi, O.** Le ferite d'arma da fuoco della parete addominale. In his Chir. guerra, Tor., 1940, 900–6, illust.—**Volpi, J. P.** Heridas de bala de abdomen; consideraciones sobre 19 casos personales. Rev. san. mil., B. Air., 1943, 42: 736–44

—— by organs and regions: Blood vessels.

See also **Surgical technic,** cardiovascular.

Teneff, S. Le ferite d'arma da fuoco dei vasi sanguigni. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 1070; 1165, illust.

—— by organs and regions: Extremities.

See also **Extremity injury; Surgical technic,** Extremities.

SEDDON, H. J. Wounds of the extremities; five reviews. p.271–374. 26cm. Lond., 1948. Forms No. 2, War Surg. Suppl. Brit. J. Surg.

Babich, B. K. [Principles of treatment of wounds of the extremities in evacuation hospitals] Hosp. delo, 1944, 19–26.—**Burge, H. W.** The primary operation in battle wounds of the limbs. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 1.—**Carter, B. N., & DeBakey, M. E.** War wounds of the extremities. Bull. Am. Coll. Surgeons, 1944, 29: 117–21.—**Caspers, C. A.** Treatment of war wounds of the extremities. Minnesota M., 1944, 27: 364–7.—**Cohen, S. M., & Schulenburg, C. A. R.** Treatment of war wounds of the limbs; experience in 266 cases. Lancet, Lond., 1940, 2: 351–6.—**Cope, V. Z.** The main principles of treatment of war-wounds, with special reference to the limbs. Clin. J., Lond., 1942, 71: 1–6.—**Decker, P.** Principes pour le traitement des plaies des membres en chirurgie de guerre. Rev. méd. Suisse rom., 1939, 59: 833–51.—**Fiedelholz, L. G.** [Reflex contractures or physiopathies in wounds of the extremities] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 390–2.—**MacFee, W. F.** Arterial anastomosis in war wounds of the extremities. Surg. Clin. N. America, 1948, 28: 381–9.—**Hucherson, D. C.** Treatment of contaminated wounds of the extremities in war and in peace. Med. Rec., Houston, 1946, 40: 1634–6.—**Irwin, G. G.** Wounds of the joints of the upper extremity. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 491–502.—**Milgram, J. E.** Functional recovery of war wounds of the extremities. Nebraska M. J., 1946, 31: 176–9.—**Smirnov, I. I., Ermakova, E. S., & Sushchenko, V. A.** [Features of wounds of the extremities and their complications] Voen. san. delo, 1941, No. 8, 30–2.—**Snyder, H. E.** War wounds of the extremities. Med. Bull. North Afr. Theater U. S., 1944, 1: No. 5, 35.—**Soñeld, H. A.** Early treatment of extremity wounds. Bull. U. S. Army M. Dep., 1945, 4: 562–6.—**Threadgill, F. D.** Residuals of war wounds of the extremities. War Med., Chic. 1944, 6: 316–8.—**War** wounds of the extremities. Bull. U. S. Army M. Dep., 1944, No. 76, 61–71.—**War** wounds of the limbs. Postgrad. M. J., Lond., 1940, 16: 147.

—— by organs and regions: Eye.

See also **Eye injury.**

Kolen, A. A. Setki s otkryvajuśćimisja kryśkami dlja otkrytogo vedenija glaznykh i nekotorykh drugikh posleoperacionnykh i boevykh ran. San. sluzhba, Sverdlovsk, 1946, No. 6, 145.—**Rezende, C.** Ferimentos oculares de guerra. In: Man. socor. guerra, S. Paulo, 1943, 117–20.

—— by organs and regions: Head.

See **Head injury.**

—— by organs and regions: Heart.

See **Heart injury.**

—— by organs and regions: Nerve.

See **Nerve injury.**

—— by organs and regions: Soft parts.

See also **Soft tissue.**

Cayrel & Vignes, H. L'évolution des plaies de guerre des parties molles (bibliographie analytique des travaux récents) 31p. 8° Par., 1917.

Also in Rev. path. comp., Par., 1916, **16:** 157; 169; 211.

Brown, J. J. M. Wounds of soft tissue; two-stage treatment. Lancet, Lond., 1945, **1:** 588–90.—**Chaffin, L.** Treatment of wounds of soft parts. Bull. Am. Coll. Surgeons, 1942, **27:** 112–6.—**Dufour, R.** Traitement d'urgence des plaies de guerre des parties molles (acquisitions chirurgicales) J. méd. Bordeaux, 1941, **118:** 619; passim.—**Fernández Zumel, M.** Tratamiento de las heridas de partes blandas. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 114–20.—**Gioia, T.** Tratamiento de los heridos de partes blandas. In his Traum. guerra, B. Air,. 1943, 27–54.—**Pool, E. H.** Wounds of soft parts. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11:** pt 1, 294–316.—**Popilka, J.** Nynější ošetfování otevřených poranění měkkých části. Voj. zdrav. listy, 1948, **17:** 257–62.—**Rose, T. F., & Newsom, A.** Suture of deep soft tissue war wounds aided by penicillin therapy. Med. J. Australia, 1946, **1:** 364–8.—**Surgical** treatment of war wounds of the soft parts. Rev. War Surg. & M., 1918, **1:** No. 8, 3–16.—**Weinlos, M.** Flesh wounds; significance and proper management. J. Canad. M. Serv., 1944–45, **2:** 627–30.—**Woolsey, J. H.** War soft tissue wounds and their complications. California West. M., 1942, **57:** 130–6.

—— by organs and regions: Viscera.

Arnulf, G. A propos de l'évolution post-opératoire secondaire des plaies viscérales de l'abdomen en chirurgie de guerre. Mém. Acad. chir., Par., 1945, **71:** 382–7.—**Barón, A. G.** Los prolapsos viscerales en las heridas de vientre de guerra, producidas por arma de fuego. Rev. españ. med. cir. guerra, 1940, **4:** 1–19.—**Fraser, J.** Wounds of the stomach, duodenum, liver and spleen. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1:** 412–8.—**Turner, G. G.** War wounds of the solid abdominal viscera. Med. Press & Circ., Lond., 1940, **204:** 266–70.—**Uffreduzzi, O.** Le ferite d'arma da fuoco del pancreas. In his Chir. guerra, Tor., 1940, 926–8, illust.

—— by weapons.

See also **Flak.**

Ellis Ribeiro, F. Agentes vulnerantes bélicos; características da ferida de guerra. Impr. méd., Rio, 1943, **19:** No. 356, 93–104.—**Giacometti.** Ferita della mano per arma da taglio. Gior. med. mil., 1851–52, **1:** 316–8.—**Hunter, J. B., Savin, L. H., & Radley, E. J.** Heridas por fragmentos de vidrios. Rev. san. mil., B. Air., 1945, **44:** 18–24.—**Koyama, K.** Buki to sensyō to no kankei narabi-ni dai-ensyū-kan ni okeru dai-ku sidan eisei gaikyō ni tuite [The relation of war weapons to war wounds, and the sanitary condition of the Ninth Division during the grand maneuvers] Zyūzenkai zassi, 1925, **30:** 20–5.—**Lesions** (The) produced by mustard gas burns. Rev. War Surg. & M., 1919, **2:** 37–48.—**Neme, B.** Agressivos químicos. In: Man. socor. guerra, S. Paulo, 1943, 30–8, 2 pl.

—— by weapons: Air raid.

Beins, H. G. Over de therapie van de meest voorkomende chirurgische verwondingen bij luchtbombardementen. Ned. tschr. geneesk., 1944, 88: 438–42.—**Botterell, E. H., & Jefferson, G.** Tratamiento de las heridas del cuero cabelludo y otras, ocasionadas en las incursiones aereas. Rev. san. mil., B. Air., 1943, **42:** 223–32.—**Canónico, A. N.** Heridos por el bombardeo sobre Londres; comentarios sobre su asistencia. Ibid., 1941, **40:** 53–7.—**Cutler, E. C., Morton, P. C., & Sandusky, W. R.** Observations on the prophylactic use of penicillin in the wounds of aerial warfare. Brit. J. Surg., 1944–45, **32:** 207–11.—**Imperati, L.** Aspetti clinici e terapeutici delle ferite della guerra aerea. Fol. med., Nap., 1943, **29:** 249–60, 4 pl.—**Rostock.** Behandlung der durch Fliegerangriffe gesetzten Wunden. Deut. Aerztebl., 1944, **74:** 34.—**Spooner, E. T. C.** The bacteriology of air-raid wounds examined within 48 hours of infliction. Brit. M. J., 1941, **2:** 477.—**Teneff, S.** Le ferite della guerra aerea. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 502–4.

—— by weapons: Bayonet.

Gilorteanu, I., & Ionesco, V. Plaie pénétrante bipolaire de l'abdomen par baïonnette; guérison sans intervention. Rev. chir., Bucur. 1937, **40:** 129–33.—**Matthews, D. N.** Penetrating bayonet wounds. Proc. R. Soc. M., Lond., 1940–41, **34:** 325.—**Teneff, S.** Generalità di anatomia patologica delle ferite da armi bianche. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 116. ——— Le ferite da armi bianche della faccia. Ibid., 675. ——— Le ferite da armi bianche. Ibid., 1146; 1249.

—— by weapons: Bomb and grenade.

Etzel, E. Bombas e explosivos. In: Man. socor. guerra, S. Paulo, 1943, 39–46, 8 pl.—**Le Vann, L. J.** Wounds from bomb fragments. Brit. M. J., 1940, **2:** 168.—**Pilcher, R., & Zuckerman, S.** Wounds from bomb fragments. Ibid., 131.—**Reddingius, T.** [Treatment of wounds; injuries caused by grenade- and bomb-throwing] Geneesk. tschr. Ned. Indië, 1940, **80:** 2809–15.—**Wilson, H. C.** Wounds from bomb fragments. Brit. M. J., 1940, **2:** 66.

—— by weapons: Gunshot wounds.

See also subheading (—by organs and regions: Abdomen—Gunshot wounds) also **Injury, gunshot.**

Tönnis, W. Vorschlag über die Versorgung der Schädelschüsse. MS. 6 l. 30½cm. n. p. [ca 1940]

Akhutin, M. N. [The primary treatment of gunshot wounds] Voen. san. delo, 1942, No. 10, 8–17.—**Dikovicky, A. A.** Značenie funkcionalnoj terapii (l. f. k.) v obšćem komplekse lečenija ognestrelnykh ranenij. In: Sborn. nauch. rabot N-skogo evakohosp. (Dikovicky, A. A.) Gorky, 1943, 44–56.—**Frankau, C.** Gunshot wounds of the upper extremities. In: War Wounds (Brit. M. J.) Lond., 1939, 72–6.—**Frey.** Sulfonamidbehandlung der Schusswunden. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 44.—**Gioia, T.** Heridas de las articulaciones, en general, producidas por proyectiles de armas du fuego. In his Traum. guerra, B. Air., 1943, 89–104. ——— Heridas de los huesos de los miembros, en general, por proyectiles de armas de fuego. Ibid., 105–21. ——— Heridas del craneo y del cerebro por proyectiles de armas de fuego. Ibid., 122–47, illust. ——— Táctica quirúrgica en los heridos penetrantes del cráneo. Ibid., 148–72, illust.—**Girgolav, S. S.** Lečenie ognestrelnykh ran; istoričeskij obzor. In: Opyt sovet. med. v Velik. oteč. vojne, Moskva, 1950, **1:** 78–91. ——— & **Libov, L. L.** Pervaja pomošć i lečenie ranenogo. Ibid., 91–7.—**Grigorovlč, K. A.** [Gunshot wounds of the vascular-neural ganglion of the upper extremity] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 172–8.—**Ilčenko, P. J.** [Un essai du traitement par les méthodes physiques des plaies par arme à feu; d'après les matériaux de l'hôpital d'évacuation] Khirurgia, Moskva, 1940, No. 9, 59–65. ——— [The treatment of gunshot wounds with streptocide emulsion in regimental and Army zones] Voen. san. delo, 1942, No. 2, 27–9.—**Ivanjuškin, A. G.** Lečenie ognestrelnykh ran khloracidom. Ibid., 1941, No. 4, 34–8.—**Läwen, A.** Tratamiento de las heridas de guerra por arma de fuego con separadores improvisados. Rev. san. mil., B. Air., 1943, **42:** 560–3.—**Landa, A. M.** [The treatment of gunshot wounds of the extremities in an evacuation hospital] Khirurgia, Moskva, 1942, No. 3, 88–99.—**Mirotvorcev, S. R.** Dlitelno nezaživajuśćie rany i jazvy ognestrelnogo proiskhoždenija i ikh lečenie. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 42–56.—**Pentin, A. G., & Chernyševa, L. I.** Opyt primenenija syvorotki akademika A. A. Bogomolca v lečenii ognestrelnykh ranenij. In: Sborn. nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 538–43.—**Randerath.** Schäden der Sulfonamidbehandlung der Schussverletzungen. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 47.—**Teneff, S.** Le ferite d'arma da fuoco della laringe e della trachea. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 757–69. ——— Le ferite d'arma da fuoco del mediastino. Ibid., 881–5. ——— Le ferite d'arma da fuoco dell'apparato genitale. Ibid., 1049–56, illust. ——— Le ferite d'arma da fuoco delle parti molli. Ibid., 1059; 1152; illust.

—— by weapons: Knife.

Rippy, E. L. Penetrating knife wounds of the abdomen. Mil. Surgeon, 1942, **91:** 161–9.

—— by weapons: Shell.

Aircraft cannon-shell wounds. Bull. Army M. Dep., Lond., 1943, No. 21, 11.—**Cárdenas, M. de.** Herida torácica por proyectil de mortero. Rev. españ. med. cir. guerra, 1939, **3:** 377–81, illust.

—— by weapons: Small arms.

Osten-Sacken, E. U. [Side-arm wounds and other mechanical injuries during war] Ortop. travmat., Kharkov, 1935, **9**: 37–42.

—— in animals.

Besim, A. Kolordu baş baytarliğinin kolordusu etibbayi baytariyesine yaralar hakkinda yaptiği tamim sureti berveçhi atidir [Circulaire du chef vétérinaire du corps d'armée aux médecins, vétérinaires sur les plaies] Askerî tibbi baytarî mecmuasi, 1932–33, **10**: 410.—**Bouchet.** Le plaies de guerre. Rev. vét. mil., Par., 1932, **16**: 289; 377.—**Cevad Sahin.** Dr. Jauss muharip ordularda veteriner tecrübelerden: yara tedavisi. Askerî vet. mecmuasi, 1941, **19**: 147 (Abstr.)—**Mitchell, W. M.** War wounds and their treatment. Vet. Rec., Lond., 1940, **52**: 33–6.—**Smith, D. F.** Magnesium sulphate glycerine solution as a wound dressing. J. R. Army Vet. Corps, 1939, **10**: 171.—**Treatment** of wounds in Army animals. Vet. Med., Chic., 1942, **37**: 463–9.—**Wright, J. G.** The treatment of war wounds; abstract of recent contributions to the literature; review of the situation in regard to animals. Vet. Rec., Lond., 1939, **51**: 1445–9. Also J. R. Army Vet. Corps, 1939–40, **11**: 55–61.

WOUND ballistics.

See under **Ballistics.**

WOUNDED.

See also **Casualty**; also various main headings beginning with **Hospital**; also **Prisoner of war,** Sick and wounded; **Sick.**

Great Britain. Foreign Office. War on the wounded. loose leaflet. 8° Lond., 1915.

Itō, M. Sen-syō kanzya syasin [Photographs of patients with war wounds] Rinsyō igaku syasin zuhu, 1929–30, **8**: No. 11, 31, 2 pl.—**Kennedy, M. J.** The wounded Turk. Am. Red Cross Mag., 1916, **11**: 105–10.—**Milian, G.** Blessés et malades. Paris méd., 1918, **28**: suppl., 376.—**Shustov, V.** Ranenyj. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 1023.—**Steinthal.** Vorstellung von Kriegsverwundeten. Deut. med. Wschr., 1915, **41**: 1414.—**Tupin.** Les polyblessés en chirurgie de guerre. Bull. Soc. méd. mil. fr., 1949, **43**: 100.

—— air raid.

Wittels, T. S. Field medical installations and equipment for the early care and evacuation of casualties from air attacks in Assam, India. 21 l. 27cm. Dayton, 1944.

Forms No. ENG–49–697–2L, Memo. Rep. Aero M. Laborat. U. S. Air Force.

Masante, G. Ferite e lesioni dei civili in seguito a bombardamento aereo; nota preventiva riguardante 500 feriti della città di Torino. Casist. med., Tor., 1944, **1**: 99–106.—**Popov, G. M.** [Transportation of wounded during air-raids] Feldsher, Moskva, 1939, No. 4, 46–50.

—— arctic.

See **Arctic service,** Medical aspect.

—— Care.

See also **Wound surgery.**

Apert, E. La conservation de la race. Monde méd., 1916–17, **26**: 4–13.—**Bagdasarian, S. M.** Zabota partii Lenina-Stalina o ranenykh boicakh i komandirakh Krasnoi armii. Voen. san. delo, 1941, No. 9, 1–9.—**Boehmig.** Ueber Verwundetenfürsorge. Mil. Wbl., Berl., 1939–40, **124**: 417–9.—**Care** (The) of wounded soldiers. Science, 1917, n. ser., **46**: 448–50.—**Darrach, W.** The care of the lightly wounded. Surg. Gyn. Obst., 1942, **74**: 402–5.—**Dietrich, E.** Die ärztliche Fürsorge für die Kriegskranken. Deut. med. Wschr., 1916, **42**: 1025–8.—**Kirk, N. T.** Care of the wounded by American surgeons. Bull. Am. Coll. Surgeons, 1944, **29**: 290. —— Professional care of the wounded. In: Surg. Tr. Motor-skelet. Syst. (Bancroft, F. W.) Phila., 1945, 1225–45.—**Köbisch.** Ueber eine Verbesserung der Verwundetenfürsorge in der Front. Jahrber. Schles. Ges. vaterl. Cult. (1915) 1916, **2**: Abt. 1, Med. Sekt. [Vorträge] 35–43.—**Marsh, E. H.** Medical service and the wounded soldier. Westchester M. Bull., 1939, **7**: No. 11, 7.—**Müller, H.** Die Versorgung der Verwundeten. Deut. Aerztebl., 1940, **70**: 71.—**Pereslavsky, A.** [Good care of the wounded as base of efficacious treatment] Med. rabot., 1944, **7**: No. 12, 2.—**Perrin, M.** A propos des laissés pour compte de la guerre. Caducée, Par., 1919, **19**: 161.—**Peter, F.** [Care of the wounded in the field] Tschr. tandheelk., 1939, **46**: 821–40.—**Podolsky, E.** Care of the wounded. In his Red Miracle, N. Y., 1947, 75–9.—**Rankin, F. W.** Medical service to the sick and wounded. Virginia M. Month., 1942, **69**: 682–6.—**Respect** (Le) du blessé et la guerre actuelle; note par le Comité de La Presse Médicale. Union méd. Canada, 1940, **69**: 725.—**Schönbauer, L.** Ueber militär-sanitäre Einrichtungen im Krieg mit besonderer Berücksichtigung der Verwundetenfürsorge. Wien. med. Wschr., 1937, **87**: 15; 44.—**Seamam, G. E.** The care of the wounded in the zone of advance and on the front lines. Wisconsin M. J., 1919–20, **18**: 193–206.—**Smirnov, E. I.** The organization of medical care for the wounded. Am. Rev. Soviet M., 1943–44, **1**: 9–14.

—— Classification, marking and reception.

See also **Clearing station,** Activities; **Triage; Wound,** Classification.

Bolot. Considérations techniques à propos des différents types de blessures de guerre. Afrique fr. chir., 1944, **2**: 34–8.—**Cambresier.** La notation internationale des blessures de guerre. Arch. méd. belges, 1935, **88**: Bull. internat., 383–91. Also Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 145–56.—**Chavannaz, J.** Le triage chirurgical. J. méd. Bordeaux, 1933, **110**: 425–7.—**Marotte.** Rapport sur le projet d'adoption d'une nomenclature internationale détaillée des blessures de guerre. Rev. internat. Croix Rouge, 1928, **10**: 612–8.

—— Complications.

See also **Pneumonia**—in wounded.

Horodyński, W., Karwacki, L. P. [et. al.] Powikłania, grożące rannemu na polu walki. 31p. 12½cm. Warsz., 1925.

Molćanov, N. S. Терапия. Разд. 9: Внутренние болезни у раненых. 335p. 26½cm. Moskva, 1950.

Forms v.**29**, Opyt sovet. med. v Velik. oteć. vojne.

Beyer, V. A., & Granenova, M. A. Zabolevanija poćek u ranenykh. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **29**: 142–58, pl.—**Chirejkin, V. K.** Nagnoitelnye processy v legkikh u ranenykh i ikh lećenie. Ibid., 83–111, 5 pl.—**Kaplansky, S., Boldyreva, N., & Berezovskaja, N.** [Hypoproteinemia and its rôle in the pathogenesis of emaciation of the wounded] Khirurgia, Moskva, 1944, No. 5, 3–8.—**Kobayasi, S.** Sensyō-kanzya ni okeru ni-san no naika-teki kansatu ni tuite [A few observations of the war-wounded from the standpoint of internal medicine] Gun idan zassi, 1938, 875–82.—**Kobozev, A. A., & Nathanson, G. E.** [Material for the study of morbidity in the wounded] Klin. med., Moskva, 1944, **22**: No. 4, 67–9.—**Libov, L. L.** Projavlenie cyngi v rane. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **1**: 137.—**Mangas, M. C.** Acidosis en los heridos de guerra. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 57.—**Molćanov, N. S., & Ovčinnikov, B. A.** Zabolevanija serdećno-sosudistoj sistemy u ranenykh. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **29**: 112–41, 3 pl.—**Rusakov, A. B.** O ranevoj ćakhotke; o ranevom istoščenii. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 522.—**Ščerba, M. L., & Kukoverov, A. V.** Malokrovie u ranenykh. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **29**: 159–88, 5 pl.—**Shapiro, J. E.** [Pulmonary complications in the wounded at various stages of evacuation] Klin. med., Moskva, 1944, **22**: 48–52.—**Shor, V. G., & Ščerba, M. L.** Pnevmonii u ranenykh. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **29**: 38–78, 2 pl. —— & **Schwarz, Z. S.** Profilaktika i lećenie pnevmonij u ranenykh. Ibid., 78–83.—**Wachsmuth, W.** Die Kriegs-Wundkachexie; ein durch Infektion und Eiweissverlust enstandener Symptomenkomplex. Deut. Militärarzt, 1943, **8**: 495–8.

—— Evacuation.

See also **Evacuation**—of wounded; also **Division,** Infantry; **Dog.**

Hathaway, H. G. The disposal of the wounded of cavalry. 8p. 8° Simla, 1900.

Abe, O., Hirai & Nakamura, H. Air evacuation of the sick and wounded. Rep. Air Techn. Intell. U. S., Tokyo, 1945, No. 296, 1.—**Barrett, St C., & Cowell, E. M.** New appliances for the recovery and transport of casualties in forward areas under fire. J. R. Army M. Corps, 1940, **74**: 166–9.—**Corrêa Netto, A.** Organização no tratamento do ferido de guerra, durante a atuação da F. E. B. na Itália. An. paul. med. cir., 1946, **51**: 416–20.—**Fernández Dávila, G.** El problema de las evacuaciones sanitarias. Actual méd. peru., 1938–39, **4**: 89.—**García Valcárcel, A.** La evacuación de heridos hasta la ambulancia; táctica de compañía y grupo. Rev. españ. med. cir. guerra, 1940, **5**: 299; 1941, **6**: 105.—**Khodorkov, F. A.** Očerednye zadaći lećebno-evakuacionnogo obespećenija vojsk. Voen. med. J., Moskva, 1945, Jan., 18–20.—**Kuzmin, A. N.** Opyt organizacii raboty PPM v boju. Voen. san. delo, 1940, No. 8, 85–8.—**Love, W. G., & Hogarth, J. A.** Evacuation of casualties over cliffs. J. R. Army M. Corps, 1942, **79**: 145–8.—**Margiewicz, A.** Zagadnienie ewakuacji lekko rannych i chorych środkami transportu ogólnego. Lek. wojsk., 1949, **25**: 276–81.—**Marinesco, N.** Les évacuations sanitaires à l'échelon armée; Service de triage et d'évacuation. Arch. méd. belges, 1934, **87**: Bull internat., 551–63.—**Riumshin, I. E.** [On the security of evacuation of gravely wounded during winter] Vrach. delo, 1941, **23**: 93–6.—**Robbin, S., & Scott, T. G.** Evacuation of patients at a United States port. Bull. U. S. Army M. Dep., 1945, No. 85, 75–83.—**Voitenko, M. F.** K voprosu

ob organizacii raboty polkovogo punkta medicinskoj pomośći. Voen. san. delo, 1940, No. 8, 81–5.—**Wimp, J. J., Tomlinson, J., & Wallace, R. R.** Combat casualty evacuation. Hosp. Corps Q., 1945, 18: 1–5.—**Wynters, V. M. E.** El transporte de heridos en primera linea. Actas Congr. internac. med. farm. mil., 1933, 2: Tema 1, 1–27.—**Zavališin, N. I.** Medicinskij raspredelitelnyj post kak organ upravlenija evakuaciej. Voen. med. J., Moskva, 1945, 38–46.

—— Examination.

United States. War Department. Army regulations No. 40–1025; Medical Department: The report of the sick and wounded. 1p. 8°. Wash., 1933.

Arjev, T. J., & Shćepina, M. K. Itogi vraćebnogo obsledovanija vozvraśćennykh v stroj ranenykh. Voen. med. J., Moskva, 1945, No. 12, 11–3.—**Barón, A. G.** Modelo de impreso para historias clínicas de heridos recientes de vientre. Rev. españ. med. cir. guerra, 1938, 1: 278–81.—**Egorov, P., Vulfović, M.** [et al.] Issledovanie bolnogo, ranenogo. In: Encikl. slovar voen. med., Moskva, 1946–48, 2: 1014–30.—**Ottolenghi, S.** La scheda biografica clinica riassuntiva del soldato ferito o infermo in guerra. Policlinico, 1917, 24: Sez. prat., 787–90.

—— naval.

See also **Naval warfare,** Medical aspect.

Auffret, C. Fonctionnement du service de santé dans les combats navals; les blessés doivent-ils être secourus pendant le combat, ou seulement après celui-ci?; moyens de transport des blessés; nécessité de personnel spécialement élévé pour ce service; hôpitaux de combat; leur situation au-dessus ou au-dessous de la cuirasse. Congr. internat. méd., 1906, 15. Congr., Sect. 17, 146; 210; Disc., 308.—**Bosredon, L.** Traitement des marins blessés ou malades. J. méd. Bordeaux, 1928, 58: No. 22, 893–901.—**Downing, F. H.** Treatment of acute naval casualties. California West. M., 1944, 61: 141–3.—**Leendertz, R. J.** Hulp aan zieken en gewonden aan boord van vrachtschepen. Reddingwezen, 1917, 6: 101–8.—**Müller-Osten, W.** Verwundetenversorgung auf Kriegsschiffen; Beobachtungen und Erfahrungen im 1. Jahre des Seekrieges. Deut. Militärarzt. 1941, 222–8.—**Nadler, F.** Neuzeitlicher Kranken- und Verwundetendienst an Bord der Kriegsschiffe. Ibid., 1937, 2: 115–8.—**Oudard.** Fonctionnement du Service de santé pendant le combat sur mer; le traitement des blessés. Bull. Soc. nat. chir., Par., 1935, 61: 884–7.—**Saitō, Y.** Kaisen ni okeru ōkyū tiryō ni oite [Emergency treatment for the wounded in naval battles] Sei i kwai M. J., 1906, 25: No. 291, 25–7.—**Secours** (Les) aux blessés dans les guerres maritimes. Arch. méd. nav., Par., 1905, 83: 185; 266; 347.—**Stokes, C. F.** Some features of the immediate treatment and transport of the wounded in naval warfare. J. Ass. Mil. Surgeons, U. S., 1904, 15: 481–91.—**Wise, J. C.** Premiers secours aux blessés dans un combat maritime. Arch. méd. nav., Par., 1905, 83: 161–70.

—— non-transportable.

See also **Offensive; Red Cross,** Services: Wounded and sick.

Deane, J. S. A proposed solution of the problem of the non-transportable wounded. Mil. Surgeon, 1936, 79: 293–6.—**Ernst, M.** Die Beurteilung der Transportfähigkeit im Felde. Münch. med. Wschr., 1940, 87: 1165–8. Also War Med., Chic. 1942, 2: 1047–9 (Abstr.)

—— Nursing.

Dwyer, S. M. Nursing care of war injuries. Am. J. Nurs., 1942, 42: 1236–40.—**Landow, E. J.** Medical social service to the wounded soldier. Hospitals, 1943, 17: No. 12, 25.

—— Nutrition and diet.

Noyan, A., & Ural, Z. L'alimentation des malades et blessés pendant la guerre et en temps de paix, les principes physiologiques, psychologiques et chimiques de cette alimentation. p.365–436. 24½cm. Craiova, 1937.

Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 1:

Dionisi. Etude comparative du ravitaillement en vivres et de l'alimentation des malades et blessés en temps de paix et en temps de guerre. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 1: 317–64; Disc., 221.—**Georgevitch, A.** Etude comparée de l'approvisionnement des blessés et des malades en denrées alimentaires. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 2: 247.—**Graham, G.** Diet for the wounded man. Med. Press & Circ., Lond., 1941, 206: 27–31.

—— Pain.

Grimault d'Algrange, L. Le traitement de la douleur chez les blessés de guerre. Rev. méd. Nancy, 1938, 66: 891–910.—**Pool, J. L.** Pain disturbances associated with certain war wounds. Arch. Neur. Psychiat., Chic., 1948, 59: 810–3.

—— Physiopathology.

Beecher, H. K., Simeone, F. A. [et al.] The internal state of the severely wounded man on entry to the most forward hospital. Surgery, 1947, 22: 672–711.—**Burnett, C. H., Shapiro, S. L.** [et al.] Renal function studies in the wounded. Ibid., 856–73.—**Lathe, G. H., & Cameron, K. G.** Biochemical studies on wounded men. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6243a–C.6243c.—**Zunz, E.** Recherches sur la teneur du sérum sanguin en réserve alcaline chez les blessés de guerre. Tr. Ambul. Océan, La Panne, 1917, 1: Fasc.2, 339–53.

—— Psychology.

See also **Injury,** Psychological aspect.

Barton, W. E. So he's been wounded. Red Cross Courier, 1943–44, 23: No. 4, 21.—**Minski, L.** Psychological reactions in the wounded. Brit. M. J., 1945, 1: 444.

—— Records.

See **Record.**

—— Rehabilitation.

See also **Rehabilitation.**

Doherty, W. B., & Runes, D. D. Rehabilitation of the war injured; a symposium. 684p. 23½cm. N. Y., 1943.

Borne. De l'assistance et de la réadaptation des malades de la guerre. Rev. hyg., Par., 1915, 37: 833–49.—**Buckley, G., & Passmore, F. J.** From the man's point of view. Reveille, Lond., 1918, 1: 294–301.—**Davydov, V. G.** Princip sodružestvennykh dviżenij v lećebnoj gimnastike pri voennykh travmakh. In: Tezisy doklad. (Tomsk. gosud. med. inst.) Tomsk, 1942, 24.—**Englert, L.** Sport und Spiel der Kriegsverletzten. Deut. Aerztebl., 1940, 70: 96–9.—**Heck, F.** Verwundetensport im Reservelazarett. Arch. orthop. Unfallchir., 1941–42, 41: 394–400. Also Zbl. Chir., 1943, 70: 643 (Abstr.)—**Houlding, R. N.** Rehabilitation of injured air crews. Brit. M. J., 1941, 2: 429–33.—**Knoll, W.** Anzeigen und Gegenanzeigen zum Verwundetensport. Deut. Militärarzt, 1941, 6: 10–4.—**Laignel-Lavastine.** The recuperation of the wounded and sick to the Front from a psychological viewpoint. War Med., Par., 1918, 2: 751–7.—**McMurray, T. P., Seddon, H. J.** [et al.] Physical medicine, orthopaedics, and rehabilitation. Brit. M. J., 1941, 1: 791.—**Restoration** of functions of postwar trauma. In: Five-year Plan (Moskva Akad. med. nauk) 1948, 36–40.—**Soeur, R.** Les estropiés et l'orthopédie. Scalpel, Brux., 1949, 102: 893–903.—**Thorndike, A.** Reconditioning for the war wounded; the United States Army Service Forces' program. Am. J. Surg., 1945, 67: 302–18.

—— Resuscitation.

See as main heading.

—— Surgical aspect.

See also **Wound surgery.**

Kitani, Y. Sensyō-kanzya yori mitaru gekagaku-teki kōsatu [Surgical observations of the war-wounded] Gun idan zassi, 1938, 949–59.—**Reinberg, G. A.** [Necessity of more active operation of wounded in evacuation hospitals] Khirurgia, Moskva, 1943, No. 7, 9–15.—**Teneff, S.** Preparazione dei feriti all'intervento chirurgico. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 48.

—— Shock.

See **Shock,** traumatic.

—— Transportation.

See also **Ambulance service; Evacuation; River crossing.**

Trumpp, J. Der Transport der Verwundeten. p.10–51. 18cm. Münch., 1915.

In: Taschenb. d. Feldarzt., Münch., 1915, 3. T.

Unger, H. Helfer und Soldaten, ein Buch vom Kriege. 310p. 20½cm. Berl., 1943.

United States. War Department. Medical field manual FM 8–35: Transportation of the sick and wounded. 175p. 19cm. Wash., 1941. Also another edition, 224p. 17cm. Wash., 1945.

Altino, E. Feridas de guerra; tratamento das lesões recentes; pensos improvisados; transporte de feridos. Arq. brasil. cir., 1942, 10: 213–31.—**Bernhoff, G.** [Transportation of the wounded] Tskr. mil. hälsov., 1938, 63: 91–108.—**Cardenas Pinedo, M.** Transporte de enfermos y heridos. Mem. Convenc. méd. mil. mex., 1936, 77.—**Darmer, B.** Der Stabsarzt und seine Verwundeten. Aerztebl. Hessen, 1940, 8: 150–2.—**Ekrem Sâdi Kavur.** II. inci cihan savaşında hasta ve yarah-

larin taşinmasi problemi. Askerî sihhiye mecmuası, 1946, 75: No. 46, 25–33.—**Ferrari, R. P.** Aus dem Sanitätswesen fremder Heere. Deut. med. Wschr., 1937, 63: 107–9.—**Gilbert, E. W.** Transportation of the sick and wounded. In: Med. Cadet Corps Train. Man. (Courville, C. B.) 2. ed., Glendale, 1943, 213–25.—**Hanafin, P. J.** On manoeuvres with a mechanized force. J. R. Army M. Corps, 1935, 64: 217–26.—**Jiano, J.** Le transport des blessés de guerre. Rapp. Congr. internat. méd. pharm. mil., 1937, 9. Congr., 2: 294–302, illust.—**Johnston, J. C.** A report on some experiments on the transport of casualties. J. R. Army M. Corps, 1943, 80: 124–33.—**Kavur, E. S.** Ikinci Dünya savaşında hasta ve yaralıların hava yolu ile taşınmaları. Askerî sihhiye mecmuası, 1947, 76: No. 50. 2–11.—**Layton, T. B.** Transport of wounded; surgical aspects. Lancet, Lond., 1940, 1: 537–40.—**Manning. J. G.** Transportation of the wounded soldier. J. Bone Surg., 1945, 27: 458.—**Moritsch, P.** Verwundetentransport. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, 1: 10–33.—**Nicholls, T. B.** The transportation of wounded. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 791–7. Also 2. ed., Balt., 1942, 2: 910–6. Also 3. ed., Edinb., 1944, 1012–8. **Nusret Karasu** [Transportation of sick and wounded during war operations] Askerî sihhiye mecmuası, 1939, 68: No. 28, 87–100.—**Raia, A.** Levantamento e transporte de feridos. In: Man. socor. guerra, S. Paulo, 1943, 156–8, 30 pl.—**Teneff, S.** Trasporto e trasportabilità dei feriti. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 33–7.—**Thomann, J.** Transport des malades et des blessés. Rev. internat. Croix Rouge, 1937, 19: 563–85.—**Timofeevsky, P.** Vynos ranenykh s polja boja. In: Encikl. slovar voen. med., Moskva, 1946–48, 1: 1080–95, illust., pl. ——— Perenoska ranenogo. Ibid., 4: 438–44. ——— Transportirovka ranenykh. Ibid., 5: 507–14, 2pl.—**Wounded** brought from France to England. J. Am. M. Ass., 1940, 115: 144.

—— Transportation: Arrangements for wounded.

United States. Civilian Defense Office. Medical Division. OCD Pub. No. 2215: Field care and transportation of the injured. 117p. 23cm. Wash., 1943.

Baumann, E. Elastische Züge beim Transport und in der Behandlung von Knochenbrüchen in Friedens- und Feldchirurgie. Zbl. Chir., 1941, 68: 1394–7.—**Bernhoff, G.** [Care of the sick during transportation] Tskr. mil. hälsov., 1935, 60: 123–56.—**Bljumin, I. S.** [Transport of wounded from the field in winter] Voen. med. J., Moskva, 1944, 55–61.—**Bohlman, H. R.** Splinting and transportation of the wounded. Surg. Clin. N. America, 1942, 22: 1311–27.—**Braicev, V. J.** Transportnaja immobilizacija pri perelomakh bedra. Tr. Vsesoiuz. sezda khir. (1938) 1939, 24. meet., 281–3.—**British** (Wanstead) method of blanketing casualties. Canad. Hosp., 1943, 20: No 7, 30.—**Care** of inert patients during transit to base. Bull. Army M. Dep., Lond., 1944, No. 42, 2. Also J. Am. M. Asst. 1945, 127: 668.—**Eljašev, A. I.** [Principles of transport immobilization] Vest. khir., 1941, 61: 266–71.—**Ernst, M.** Ueber die Vorbereitung der Verwundeten zum Abtransport aus dem frontnahen Lazarett. Münch. med. Wschr., 1940, 87: 1377–9.—**Goldsmith, R.** Improvised dressings and transportation of the wounded. Med. Clin. N. America, 1941, 25: 1761–72.—**Graser, V.** Ueber eine Strecklagerung mit natürlicher Schienung auf der Feldtrage. Zbl. Chir., 1944, 71: 30–3.—**Hautz, G.** Considerações em torno da aparelhagem de transporte para os fraturados de guerra. Rev. med. mil., Rio, 1945, 34: 421–9.—**Heublein, W.** Ueber die, Bergung Verwundeter aus Schartentürmen. Deut. Militärarzt 1940, 5: 466–72.—**Hodges, H. F., & Grogono, E. B.** Technique for fastening a casualty on an A. R. P. stretcher with triangular bandages. Brit. M. J., 1941, 1: 280.—**Jazykov, D. K.** [Splint for transportation of the wounded and technic of its application] Feldsher, Moskva, 1940, No. 4, 13; 1941, No. 10, 16.—**Kalinina, T. V.** [Oil-balsam dressing during evacuation of wounded in trains of the sanitary service] Sovet. med., 1940, 4: No. 23, 17.—**Lawson, R. S.** The transport of wounded in plaster of Paris splints. Med. J. Australia, 1943, 1: 426.—**Markwalder, E.** Die Herstellung der Transportfähigkeit auf dem Verbandplatz. Militärsanität, Zür., 1944, 26: 113; passim.—**Martin, P. G. C.** Fixation in the transport of lower limb casualties. J. R. Nav. M. Serv., 1944, 30: 100–4.—**Murphy, D. M.** Description of the sling seat. J. R. Army M. Corps, 1940, 75: 268–70.—**Passauer, E.** Hygienische Fragen des Kranken- und Verwundetentransports beim Heer. In: Wehrhygiene (Handloser, S.) Berl., 1944, 336–40.—**Petrov, B. A.** Transportnaja immobilizacija; vvedenie. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 30–57.—**Ryzhkov, S. I.** [Transport of wounded in winter] Voen. med. J., Moskva, 1944, 61–8.—**Smith, W. D. L.** Hand carriage of wounded. J. R. Army M. Corps, 1941, 76: 294.

—— Transportation: Means [and routes]

Germany. Heer. Oberkommando. Entwurf: Krankenträgerordnung (KT.–O) vom 20. 12. 1934. Nachdruck 1938. 120p. 14cm. Berl., 1938.

Colmers. Krankentransport. In: Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 48–53.—**Novelty** and ingenuity appear in methods of rescuing and moving victims of war. Am. Red Cross Mag., 1917, 12: 54–64, 6 pl.—**Transport** of military sick and wounded; British ambulance trains and boats. Brit. M. J., 1939, 2: 1011.

—— Transportation: Means—Air.

See also **Air ambulance: Air evacuation.**

Peterson, E. W., Bornstein, M. B., & Jasper, H. H. Medical problems of air transport of sick and wounded. 11p. 28cm. [Ottawa] 1944.

Forms No. C–6061, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

—— Medical problems of air transport of sick and wounded. 5p. 28cm. [Ottawa] 1944.

Forms No. C–6062, Rep. Ass. Com. Army M. Res. Nat. Res. Counc. Canada.

Přeprava civilních osob raněných a nemocných vojenskými sanitarními letouny. Zdravot. rev., Praha, 1950, 25: 17.—**Vivanco Fürst, H.** Transporte aéreo de los heridos máxilofaciales. Rev. Círc. odont. Córdoba, 1947, 12: 11; 53; 81.

—— Transportation: Means—Land.

See also **Ambulance; Ambulance service; Hospital train.**

Audeoud, R. Le transport des blessés en montagne. Méd. & hyg., Genève, 1947, 5: 187.—**Desobry, P. F. L.** Déplacement par voie ferrée de formations sanitaires de corps d'armée. Rev. Serv. san. mil., Par., 1938, 109: 685–99.—**Frei, C.** Ueber die Entwicklung des Verwundeten-Transportes im winterlichen Hochgebirge. Vjschr. schweiz. Sanitätsoff., 1945, 22: 87–94.—**Grill, J.** A hospital on wheels; European railroads played an important role in the World War; observations of rail transportation of disabled soldiers. Bull. Onondaga Co. M. Soc., 1936, Suppl., Dec., 5.—**Gut.** Neue Wege im Gebirgstransport. Schweiz. med. Wschr., 1940, 70: 1249–53.—**Hales, S.** Transport of sick and wounded by 15-cwt. lorry. J. R. Army M. Corps, 1943, 81: 149.—**Hisano, T.** Daba hensei sityōhei tyūtai kū-daba wo motte-suru kanzya yusō no kenkyū. [A study of transportation of the sick using the unloaded pack-horses of the organized Transport Corps] Gun idan zassi, 1929, 1405–10, 3 pl.—**Hörmann, W.** Ein behelfsmässiges Krankentransportgerät für wegeloses Gelände. Deut. Militärarzt, 1942, 7: 280–3.—**Krićevsky, J. N.** [The rôle of the sledge team in transport of wounded] Voen. san. delo, 1942, No. 11, 51.—**Labignette, P.** Les premiers trains de blessés en France. Concours méd., 1940, 62: 302.—**Mazza, M. A.** Servicio sanitario de montaña; transporte de heridos. Rev. san. mil., B. Air., 1940, 39: 901–910. ——— Servicio sanitario en montaña; nuestro modelo de carga transporte de heridos; camilla a lomo. Ibid., 1943, 42: 205–8.—**Petty, G. F.** Two bicycle method of carrying casualties. J. R. Army M. Corps, 1944, 82: 42.—**Schickele, J. M. A.** Les évacuations sanitaires par route. Arch. méd. pharm. mil., 1928, 88: 263–84.—**Thomann.** Etudes sur l'utilisation des automotrices sur rails pour le transport des blessés. Vjschr. schweiz. Sanitätsoff., 1936, 13: 63–70, illust.—**Wuhrmann, F., & Pedrazzini, A.** Trasporti estivi in alta montagna. Ibid., 1947, 24: Spec. No., 145–50.

—— Transportation: Means—Water.

See also **Hospital ship; Transport.**

Cormack, E. A. Improvised rafts, punts, and barges. J. R. Army M. Corps, 1942, 79: 248–52.—**Cuttle, T. D., & Marquis, J. N.** Medical problems in amphibious warfare; the LST in evacuation of casualties. U. S. Nav. M. Bull., 1944, 43: 922–9.—**Ford, R. A. W.** Rapid method of moving helpless patients into hospital-ship boats in abandoning ship. J. R. Nav. M. Serv., 1944, 30: 47.—**Gevurtz, W. S., & Michel, A. J.** Medical experiences on an APD. U. S. Nav. M. Bull., 1944, 43: 930–6.—**Greenberg, M. W.** Transportation of patients across water. Bull. U. S. Army M. Dep., 1945, No. 89, 119–21.—**Rees-Roberts, I. B.** Improvised raft for stretcher cases. J. R. Army M. Corps, 1942, 79: 252.—**Rubovits, F. E.** A field expedient method for transporting casualties across water barriers. Mil. Surgeon, 1943, 93: 198.—**Special** (A) stretcher-bearing crane transfers men wounded in Solomon Islands to shore at South Pacific fort hospital [Illust.] Pharm. Advance, 1942–43, 14: No. 161, front.—**Timofeevsky, P.** Transport voenno-sanitarnyj. In: Encikl. slovar voen. med., Moskva, 1946–48, 5: 505–7.

—— Transportation: Nature of injury, and sickness.

See also **Wounded,** non-transportable.

Coenen, H. Grundsätze der Transportfähigkeit, der Transport und die Unterbringung der Verwundeten. In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917, 338–56.—**Domrich, H.** Ueber die Transportfähigkeit frischoperierter Schwerverletzter. Zbl. Chir., 1941, 68: 1385–7.—**Eskin, I. A.** [Transportation précoce des opérés et son signification dans l'organisation de

secours chirurgique aux blessés dans la cavité abdominale] Khirurgia, Moskva, 1941, 45–7.—**Gibson, G. M.** The stretcher case. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 765–71. Also 2. ed., Balt., 1942, **2:** 891–7.—**Käfer, H.** Transport und Transportfähigkeit der Kriegsschussverletzten. In his Feldchirurgie, 6. Aufl., Dresd., 1943, 28–38. Also 9. Aufl., Dresd., 1944, 28–38, illust.—**Kaiser.** Der Transport Augenverletzter. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 20.—**Paiva Gonçalves.** Cuidados a ter nas formações sanitarias avançadas com os portadores de ferimentos oculopalpebrais e orbito-oculares. Rev. med. mil., Rio, 1939, **28:** 439–49.

—— Transportation: Organization.

WESTENHÖFER, M. Die Krankentransportanstalten in Metz und Warschau. p.7–83. 8°. Berl., 1935.

Veröff. Heer. San., 1935, No. 99.

Bayer, A. Kriegssanitätsdienst im Armeebereich, Krankenbeförderung und Krankenversorgung im rückwärtigen Operationsgebiet. Med. Welt, 1935, **9:** 1502–5.—**Carotenuto, P.** Note cliniche e considerazioni sull'andamento delle ferite in guerra, in rapporto al loro trattamento ed alla organizzazione sanitaria odierna. Gior. med. mil., 1936, **84:** 1161–70.—**Chastang, L.** Les transports hôpitaux en temps de paix et en temps de guerre; leur rôle dans les expéditions Coloniales. Rapp. Congr. san. pub., Marseille, 1922, 3. Congr., 169–81.—**Division** of Hospitalization, Chief Surgeon's Office; Medical Department transportation. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **2:** 317–50.—**Evacuation** of patients to the United States. Ibid., 791–806.—**Fort, L., jr.** Casualty handling on an attack transport. U. S. Nav. M. Bull., 1946, **46:** 121–3.—**Kiersnowski, T.** [Transportation of the wounded by infantry sanitary service] Lek. wojsk., 1937, **30:** 545; 599.—**Lescher, F. G.** Medical arrangements for military casualties at home. In: Org. Strat. Tact. Army M. Serv. War (Nicholls, T. B.) Lond., 2. ed., 1940, 279–85.—**Medical** facilities for wounded in forthcoming invasion of Europe. J. Am. M. Ass., 1944, **125:** 155.—**Mikhalevsky, I. I.** [Epicrisis in wounded and sick evacuated on transports] Voen. san. delo, 1943, 23–5.—**Mousson, G.** Die Transportkapazität für Material und Verwundete bei den Sanitätsformationen der Felddivision und die Frage der Motorisierung einzelner Sanitätseinheiten der Felddivision; ein Beitrag zur Behebung der Transportkalamität. Vjschr. schweiz. Sanitätsoff., 1946, **23:** 55–63.—**Officer** and enlisted personnel; transfer of overseas casualties to Naval hospitals in home localities (Form letter) Bumed News Lett., Wash., 1944, **4:** No. 9, 31.—**Ransom, J. E.** Service organizations for the relief of the sick and wounded. Ciba Sympos., 1946–47, **8:** 534–40.—**Schlegel, M.** Die Krankensammelstellen als Durchgangsstellen des Verwundetenabschubes. Deut. Militärarzt, 1940, **5:** 283–6.

—— Transportation: Vehicles and devices.

Bondarev, A. [Horse-borne litters for mountainous regions] Feldsher, Moskva, 1943, No. 8, 38–40.—**Carr, C. R.,** & **Ullrich, H. C.** Multiple stretcher hoist. U. S. Nav. M. Bull., 1943, **41:** 1162–4.—**Garric, R.** Brouette porte-brancard spéciale pour la montagne avec adaptation immédiate pour les terrains enneigés. Bull. Soc. méd. mil. fr., 1937, **31:** 215–20.—**Habig, J. M.** Nouveau monoroue tous terrains et escamotable. Bull. internat. Serv. santé, Liége, 1940, **13:** 192–5.—**Hedinger, C.** Schlittentransporte. Vjschr. schweiz. Sanitätsoff., 1947, **24:** Spec. No., 134–8.—**Jerrican** (The) floating stretcher. J. R. Army M. Corps, 1945, **84:** 134.—**Mann, W. L.,** & **Kaysen, R.** Experimental aircraft-submarine litter and transportation splints. Mil. Surgeon, 1940, **87:** 305–11.—**Markwalder, E.** Der Rollkanadier, ein neues Transportmittel für den Verwundetentransport. Vjschr. schweiz. Sanitätsoff., 1947, **24:** Spec. No., 128–34.—**Müller, P. G.** Herrichtung eines Stahlfeldwagens zum behelfsmässigen Krankenwagen. Deut. Militärarzt, 1941, **6:** 169.—**Muthschall.** Ein behelfsmässiger Schneeschuhschlitten zur Krankenbeförderung. Ibid., 1936, **1:** 327–9.—**Niemeyer, H.** Gefedertes Krankentragengestell zum Ausbau von Lastwagen für Krankentransport. Ibid., 1941, **6:** 167–9.—**Nord, J.** Internationale brancardwagen; systeem; Officier van Gezondheid Nord. Mil. geneesk. tschr., 1907, **11:** 182–4,pl.—**Novikov, V.** [New device for transporting the wounded] Voen. san. delo, 1936, No. 9, 6.—**Ogilvie, C. W., jr.** A simplified sling for hoisting stretcher casualties. Hosp. Corp. Q., 1943, **16:** No. 3, 117–9.—**Pervès, J. M.** Utilité des appareils souléve-malades et des lits mécaniques; facilité de leur construction. Arch. méd. pharm. nav., 1937, **127:** 750–4.—**Picture** of a wagon such as was used by the Society of the City of Zürich for the transportation of seriously wounded soldiers in 1847; after a drawing in the Public report of the Society for 1848. Ciba Sympos., 1942–43, **4:** 1367.—**Rogge, H.** Tonnenfährgeräte für Transporte im Dünensand. Deut. Militärarzt, 1944, **9:** 100.—**Sigg, K.** Improvisationen und neue Geräte für den Verwundetentransport. Vjschr. schweiz. Sanitätsoff., 1942, **19:** 6–21. ——— Der Velobahrentransport. Militärsanität, Zür., 1943, **25:** 3; passim.—**Stein, J. J.** The cargo carrier M-29; use in casualty evacuation. U. S. Nav. M. Bull., 1945, **44:** 1071–3.—**Thompson, T. O.** Spring transport for a difficult case. J. R. Army M. Corps., 1938, 71: 121–6.—**Tyson, E. B.** The use of a quarter ton steel trailer as a boat. Mil. Surgeon, 1945, **96:** 354.

—— Treatment.

See also **Aid station; Disabled; First aid; Occupational therapy; Rehabilitation; Wound surgery.**

WESTHUES, H. Fortschrittliche Lagerung und Behandlung Schwerverwundeter. 2. Aufl. 101p. 21½cm. Berl., 1944.

Abdülkadir Noyan. Asker hastalarının beslenmesi ve tedavisi. Askerî sıhhiye mecmuası, 1942, **71:** No. 38, X–XIV.—**Advice** from a wounded M. O. Bull. Army M. Dep., Lond., 1944, No. 36, 6–8.—**Cankat, M.** Les principes sur lesquels doit se baser le traitement des blessés de guerre dans les campagnes futures, d'après les enseignements de la guerre mondiale. Bull. internat. Serv. santé, Liége, 1938, **11:** 115–38.—**Forwood, W. H.** A plea for earlier and more permanent treatment of the wounded on and near the battlefield. Proc. Ass. Mil. Surgeons U. S., 1896, **6:** 152–8.—**Heuss, R. v.** Organisation und Improvisation der ersten Versorgung und Bergung der Verwundeten. Münch. med. Wschr., 1934, **81:** 1162–4.—**Hill, J.** New aids for the wounded. Atlantic Month., 1942, **169:** No. 3, 286–92.—**Kirk, N. T.** The care of battle casualties and the casual sick. South. M. J., 1944, **37:** 6–8.—**MacNalty, A. S.** Why more wounded get well again. Med. World, 1944, **62:** 398.—**Müller, E.** Ueber die ärztliche Nachbehandlung der Verwundeten. In: Verwendungsmögl. d. Kriegsbeschäd. (Krais, F.) Stuttg., 1916, 15–9, illust.—**Murat Cankat.** Principes sur lesquels doit se baser le traitement des blessés de guerre dans les campagnes futures, d'après les enseignements de la guerre mondiale. Sess. Off. internat. docum. méd. mil., 1937, 7. Sess., 27–52.—**Navarro, M.** Socorros de urgencia aos feridos de guerra. São Paulo méd., 1942, **15:** pt 2, 89–111.—**Paula Chagas, C.** O problema dos primeiros socorros e do transporte dos feridos em campanha. An. paul. med. cir., 1943, **45:** 135 (Abstr.)—**Rapid** treatment of wounded [London letter] J. Am. M. Ass., 1944, **125:** 984.—**Remarkable** results treating wounded. Army Navy Reg., 1943, **64:** 5.—**What** the United States is doing for sick and wounded. J. Lancet, 1919, **39:** 680–2.

—— Treatment: Errors.

Reinberg, G. A. [Certain typical errors in treatment of wounded in hospitals] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 28–33.

—— Treatment: Methods.

See also subheading (Care)

Bumm, E. Zur Frage der Nachbehandlung Verwundeter in den vorderen Sanitätseinheiten. Med. Klin., Berl., 1942, **38:** 481–3.—**Gorinevskaja, V. V.** [Complex treatment for slightly wounded in hospitals] Voen. med. J., Moskva, 1944, June, 4–12.—**János, G.** A sebesültek komplex kezelése. Honvédorvos, 1950, **2:** 316–23, illust.—**Komiyayama, T.** Gun iko sekkai hō. [Methods of cutting into garments (coat and others] of soldiers] Gun idan zassi, 1936, 527.—**Miramond de Laroquette.** La physiothérapie des blessés de guerre. C. rend. Ass. fr. avance. sc. (1913) 1914, **42:** 622–5.—**Nyblett, H. G.** Physical treatment of wounded soldiers. Canada Lancet, 1917–18, **51:** 495–501.—**Pisani, S.** Per una tempestiva e larga utilizzazione del nostro patrimonio termale a beneficio dei feriti e dei malati di guerra. Clin. term., Roma, 1941, **1:** 134–42.—**Sitenko, M. I.** [Organization and methods of immobilization of the wounded in military zones] Ortop. travmat., Kharkov, 1938, **12:** No. 4, 5–11.—**Specialized** treatment for the wounded. J. Am. M. Ass., 1919, **72:** 199.

WOUNDED in action.

See **Casualty,** Wounded in action.

WOUND infection.

See also **Head injury,** Infection; **Nerve degeneration.**

DOMAGK, G. Die Bedeutung der Infektionskrankheiten und der Wundinfektionen und ihre Bekämpfung in Krieg und Frieden. 31p. 20½cm. Münster, 1941.

Forms No. 18, Schr. Ges. Förd. Westfäl. Wilhelms Univ. Münster.

KIRSCHNER, M. Die Wundinfektionskrankheiten. p.155–216. 24½cm. Lpz., 1917.

In: Lehrb. Kriegschir. (Borchard, A. F.) Lpz., 1917.

OCHSNER, A. Contaminated and infected wounds [Abstract] 3p. 28cm. Wash., 1944.

Forms No. 40, Infect. Wounds & Burns Rep. (OSRD) Wash.

OGILVIE, W. H. War primer on wound infection. 96p. 21½cm. Lond., 1940.

TENEFF, S. Complicazioni infettive delle ferite d'arma da fuoco. p.177–267. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

[UNITED STATES] NATIONAL RESEARCH COUNCIL. COMMITTEE ON SURGERY. SUBCOMMITTEE ON SURGICAL INFECTIONS. Minutes of meeting. Wash., 1942—

Arterial wounds, infective complications [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 288.—**Banaitis, S. I.** Ranevaja infekcija i ee vidy. In: Kratkij kurs voen. polev. khir. (Kuprijanov, P. A., & Banaitis, S. I.) Moskva, 1942, 146–85, pl.—**Burns** and wound infections in air raid casualties. Med. Rec., N. Y., 1943, **156:** 458.—**Chest** wounds, infective complications [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 288.—**Cross** infection of wounds. Bull. Army M. Dir., Lond., 1941, No. 3, 2. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 28.—**Flesh** wounds, infective complications [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 287.—**Gioia, T.** La infección traumática. In his Traum. guerra, B. Air., 1943, 55–88.—**Gómez Azcárate, G.** Las grandes infecciones en las heridas de guerra. Rev. cir. Hosp. Juárez, Méx., 1945, **17:** 1–23.—**Hall, I. C.** A wartime study of civilian wounds. J. Bact., Balt., 1945, **49:** 417.—**Heinemann-Grüder, C.** Die Infektion der Kriegswunden. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 126–38. Also 6. Aufl., Dresd., 1943, 144–57. Also 9. Aufl., Dresd., 1944, 147–60.—**Incidence** of soft tissue infections (excluding gas gangrene) by bone severity grade [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 285.—**Incidence** of soft tissue infections (excluding gas gangrene) by soft tissue severity grades [tab.] Ibid., 286.—**Joint** wounds, infective complications [tab.] Ibid., 286.—**Karitzky, B.** Die Wundinfektion im Felde. Deut. med. Wschr., 1943, **69:** 532–7.—**Killian, H.** Wundinfektionen. In: Innere Wehrmed. (Handloser, S.) Dresd., 1944, 185–230.—**Maia, M.** As infecções como complicações da ferida de guerra. Rev. med. cir. Brasil, 1942, **50:** No. espec., 141–65.—**Makarenko, A.** Ranevye infekcii. In: Encikl. slovar voen. med., Moskva, 1946–48, **4:** 1021–3.—**Marques Torres, A.** Complicações infectuosas das feridas de guerra. Impr. méd., Rio, 1943, **18:** No. 354, 86–9.—**Matumoto, H., & Mitome, M.** Gaku sensyō no osendo [Proportion of war wounds of the jaw becoming contaminated] Kōkūbyōgakkai zassi, 1939, **13:** 518.—**Meleney, F. L.** Infected wounds and burns. Bumed News Lett., Wash., 1945, **6:** 11.—**Miles, A. A.** Wright, A. E.: Pathology and treatment of war wounds [Bk Rev.] Nature, Lond., 1943, **151:** 209. ——— **Schwabacher, H.** [et al.] Hospital infection of war wounds. Brit. M. J., 1940, **2:** 855; 895.—**Mitchell, G. A. G.** Infection in war wounds. J. R. Army M. Corps, 1944, **83:** 225–9.—**Miyakawa, Y.** Kūbaku-ka ni okcru sōsyō densenbyō [Infection of wounds during (under) air raids] Nippon rinsyō, 1943, **1:** 714–22.—**Oltramare, J. H.** Le problème de l'infection. In his Chir. guerre, Lausanne, 1944, 201–12.—**Otte, H.** Wundinfektion. In: Kriegschirurgie (Zillmer, W.) Dresd., 1943, 9–31.—**Petrov, N. N.** Opredelenie, priciny, topografija, rasprostranenie i priznaki ranevoj infekcii. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 45–50.—**Rohde, C.** Ueber Wundinfektion im Kriege. Deut. Zschr. Chir., 1939–40, **253:** 659–73. Also Med. Klin., Berl., 1940, **36:** 1374 (Abstr.)—**Ross, J. P.** La infección en las heridas de guerra de las extremidades. Rev. san. mil., B. Air., 1942, **41:** 711–9.—**Sandusky, W. R.** Surgical infection in war wounds as observed in the base hospitals. In: Clin. Aspects Surg. Infect. (Meleney, F. L.) Phila., 1949, 768–82.—**Schallock.** On the occurrence of wound infections. Conf. Med. Consultants to Wehrmacht. 4. Conf. (1944) 1948, Proj. 1, pt 2, 82.—**Trueta, J.** Infection. In his Principl. & Pract. War Surg., S. Louis, 1943, 57–65, illust.—**Turich, M. L.** [Wound infections] Feldsher, Moskva, 1940, 23–5.—**War** primer on wound infection. Lancet, Lond., 1940, **2:** 457.—**Wilson, R. J.** Hospital wound infection in war casualties. Univ. Toronto M. J., 1941–42, **19:** 104–8.—**Wound** infection and the nose. Bull. Army M. Dep., Lond., 1945, No. 46, 3.

—— anaerobe.

See also other subheadings; also **Gas gangrene; Tetanus.**

GREAT BRITAIN. PRIVY COUNCIL. MEDICAL RESEARCH COUNCIL. WAR WOUNDS COMMITTEE. ANAEROBES SUB-COMMITTEE [Reports] A. S. Lond., No. 2, 1942–

LEVIN, O. A., CISTOVIĆ, A. N. [et al.] Анаэробная инфекция. p.51–183. 26½cm. Moskva, 1950.

In: v.2 of Opyt sovet. med. v Velik. oteć. vojne.

Banaitis, S. I. [Anaerobic infection of wounds] Voen. san. delo, 1941, No. 12, 21–3.—**Carnes, H. E.** Simple field methods for cultivating and identifying anaerobes commonly encountered in war wounds. Mil. Surgeon, 1943, **92:** 309–12.—**Cistović, A. N.** Patologoanatomićeskie izmenenija pri anaerobnoj infekcii. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 2: 73–101, 7 pl.—**Eremin, I. K.** [Prophylaxis of anaerobic infection in gunshot wounds] Sovet. med., 1942, **6:** No. 10, 5.—**Fraenkel, E.** Ueber anaerobe Wundinfektion. Berl., klin. Wschr., 1917, **54:** 1230.—**Gurd, F. B.** Potassium permanganate in the treatment of anaerobic infection of wounds. J. R. Army M. Corps, 1917, **29:** 202–5.—**Hamilton, J.** Anaerobic infection in war wounds. J. Canad. M. Serv., 1944–45, **2:** 387–407.—**Incidence** of gas gangrene and anaerobic cellulitis [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 282.—**Ivens.** A clinical study of anaerobic wound infection. Brit. M. J., 1916, **2:** 872.—**Jüngling.** Ueber anaërobe Wundinfektion mit Demonstration mikroskopischer Präparate. Münch. med. Wschr., 1917, **64:** 919.—**Kolodner, I. B.** Lećenie perekisju cinka ognestrelnykh ran, osložnennykh anaerobnoj infekciej. Vest. khir., 1946, **66:** No. 4, 8–14.—**Korompay, T.** Die Wundbehandlung an der Front mit besonderer Berücksichtigung der anaeroben Infektionen. Zbl. ges. Hyg., 1942–43, **50:** 676 (Abstr.)—**Kukin, N. N.** [The treatment of gunshot wounds complicated by anaerobic infection] Bull. War M., Lond., 1943–44, **4:** 70 (Abstr.)—**Melnikov, A. V.** [Anaerobic infection of gunshot wounds] Feldsher, Moskva, 1944, No. 4, 1–6. ——— Tećenie anaerobnoj infekcii v zavismosti ot osobennostej ranenija. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **2:** 131–7. ——— Smena anaerobnoj infekcii v rane drugoj infekciej. Ibid., 137–45. ——— Anaerobnaja infekcia; vidy operativnogo vmešatelstva; razrezy. Ibid., 153–9.—**Moesgaard, J.** [Anaerobic wound infection] Militærlægen, 1939, **45:** 59–88.—**Perec, L. G.** [Local serotherapy and seroprophylaxis of anaerobic wound infection] Voen. san. delo, 1942, No. 7, 72.—**Petrov, N. N.** Anaerobnaja ili gazovaja infekcija. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 175–90.—**Pritikin, R. I.** War wounds and anerobes. Mil. Surgeon, 1942, **90:** 164–76. Also in War Med., Sympos. (Pugh, W. S.) N. Y., 1942, 75–88. Also J. Laborat. Clin. M., 1942–43, **28:** 462–73.—**Rokhlin, D. G.** Rentgenologićeskoe raspoznavanie projavlenij anaerobnoj infekcii. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **2:** 104–14, 5 pl.—**Schreus.** Felderfahrungen über die Chemotheraple der Anaërobenwundinfektion insbesondere mit Globucid nebst Bemerkungen über Chemoprophylaxe. Deut. med. Wschr., 1943, **69:** 73; 101.—**Weinstein, V. G.** [Surgeon's tactics in anaerobic infections of wounds] Vest. khir., 1940, **59:** 269–73.

—— Bacteriology.

HOLMES, L. F., & WILSON, M. E. A micrococcus producing a lavender pigment [Abstract] 1 l. 28cm. Wash., 1944.

Forms No. 36, Infect. Wounds & Burns Rep. (OSRD) Wash.

Altemeier, W. A. The bacteriology of war wounds; collective review. Surg. Gyn. Obst., 1942, **75:** Suppl., 518–33.—**Aranda Vergara, G.** La flora bacteriana en las heridas de guerra. Bol. farm. mil., Madr., 1935, **13:** 33–7.—**Bancalari Pareja, A.** Carbunclo; tétano; gangregna gaseosa; la profilaxis. Rev. san. mil., B. Air., 1935, **34:** 387–92.—**Benício, A.** Bio-bacteriologia da ferida de guerra. Rev. méd. Pernambuco, 1943, **13:** 83–94.—**Chernaja, L. A., & Aberman, E. O.** [Anaerobic and aerobic flora of foreign bodies, bone sequestra and wound secretion (data from an evacuation hospital)] Khirurgia, Moskva, 1944, No. 2, 40–4.—**Elser, W. J.** The bacteriology of war wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 966–70.—**Fiessinger, N., Moiroud, P.** [et al.] Etude sur les pus en chirurgie de guerre par la méthode de la pyoculture du Pierre Delbet. Rev. gén. clin. thér., 1916, **30:** Suppl., p. CCLXI.—**Fleming, A.** Bacteriological examination of wounds. In: Surg. Modern. Warf. (Bailey, H.) Edinb., 1940–41, 141–9. Also 2. ed., Balt., 1942, **1:** 20–8.—**García Sierra.** El diagnóstico bacteriológico en cirugía de guerra. Med. ibera, 1934, **28:** pt 2, 551.—**Greenberg, L.** Laboratory methods used in the bacteriological study of war wounds. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6210, 1–4a.—**Hamilton, J.** Bacterial flora of war wounds and penicillin therapy. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 139.—**Jablons, B.** Wound bacteriology. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 1108–12.—**Kawai, S., Ikenoue, Y.** [et al.] Sensyōsō men yori bunri-seru saikin ni tuite [Micro-organisms found in battle-wounds] Gun idan zassi, 1938, 940.—**León Blanco, F.** Bacteriología de las heridas de guerra. San. & benef. mun., Habana, 1942–43, **2:** 165–9.—**Levaditi, C.** Recherches sur la flore des plaies de guerre. Tr. Ambul. Océan, La Panne, 1917, **1:** fasc. 2, 235–75. ——— & **Delrez, L.** Le rôle de la flore cutanée dans la contamination des plaies de guerre. Ibid., 277–84.—**Levaditi, C., Gérard-Moissonnier** [et al.] Nouvelles recherches sur la flore microbienne des traumatismes de guerre. Bull. Acad. méd., Par., 1939, 3. sér., **122:** 371–81. Also J. Chir., Par., 1940, **56:** 246.—**Lins, A.** Microbiologia das feridas de guerra. Impr. méd., Rio, 1943, **18:** No. 354, 36–46.—**Magrou, J., & Rouché, P.** Un cas d'actinomycose dans une plaie de guerre. In: Trav. Clin. chir. Saltpêtrière, Par., 1926, 163–5.—**Magrou, M.** Bacteria of war wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 937–45.—**Nicol, H.** Soil bacteria and war wounds. Nature, Lond., 1940, **146:** 723.—**Ostrovskaja, A. M., & Pozyvaj, T. T.** [Properties of microflora of wounds in gunshot injuries; data of investigations of wounds of the wounded in Khasan, in the New-Siberian hospital] J. mikrob., Moskva, 1940, No. 4, 92–9.—**Poirier, M.** Note sur la flore tardive des

plaies de guerre. C. rend. Soc. biol., 1941, **135**: 1350–2.—**Pulvertaft, J. V.** Bacteriology of war wounds. Lancet, Lond., 1943, **2**: 1.—**Rosenthal, G.** Histobacteriological cytodiagnosis of war wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 929.—**Roy, T. E., Hamilton, J. D.,** & **Greenberg, L.** The contamination of wounds with bacteria. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6215, 1–16.—**Samsonov, P. F., Medvedeva, T. I.** [et al.] [Microflora of wounds] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 199–203.—**Satomi, S.** Sōsyō densenbyō ni tuite [Contagious diseases attacking through incised wounds] Gun idan zassi, 1938, 938.—**Shiril, E. M.** K voprosu o bakteriologićeskoj kharakteristike mikroflory boevykh ranenij. J. mikrob., Moskva, 1946, No. 5, 19–23.—**Sibata, T., Murakami, S.** [et al.] Sensyō kanzya yori bunri-seru budōzyō-kyūkin ni tuite [Bacteriological study on staphylococci isolated from wounds] Kaigun gun-ikai zassi, 1940, **29**: 558–65.—**Sidorov, N. V.** O bakteriologićeskom kontrole pri lećenii ran. In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1942, 110–3.—**Tissier.** War wound bacteriology. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7**: 749–59.

—— Cellulitis.

Atypical cellulitis in the Middle East. Bull. Army M. Dep., Lond., 1943, No. 27, 4.—**Fly, W. P., jr.** A report of hospitalized cellulitis cases of dental origin at Fort Knox, Kentucky. Army Dent. Bull., 1942, **13**: 174–6.—**Fuňka.** Demonstrace z chirurgického oddělení nemocného po proběhlé plynové flegmoné. Voj. zdrav. listy, 1948, **17**: 154.—**Gruber, M. D.** Cellulitis of masticatory structures. Mil. Surgeon, 1942, **91**: 551–9.

—— clostridial.

See also **Gas edema; Gas gangrene; Tetanus.**

Dowdy, A. H., Sewell, R. L., & Vincent, J. G. The prophylaxis and therapeusis of clostridial infections, gas gangrene [Abstract] 1 l. 28cm. Wash., 1944.

Forms No. 22, Infect. Wounds & Burns Rep. (OSRD) Wash.

Macfarlane, R. G., & MacLennan, J. D. Investigation of war wounds; the pathology and treatment of gas gangrene. 11p. 28cm. Wash., 1944.

Forms No. 47, Infect. Wounds & Burns Rep. (OSRD) Wash.

Also another edition, 10p. 28cm. Wash., 1945.

Forms No. 54, Infect. Wounds & Burns Rep. (OSRD) Wash.

Vollmer, E. P., Cravitz, L., & Gillmore, J. D. Prolonged survival time in guinea pigs infected with Clostridium welchii and treated with adrenal cortical extract. 3p. 26½cm. Bethesda, 1947.

Forms Rep. No. 2, Res. Proj. X-759, U. S. Nav. M. Res. Inst.

Wagner. R. R. The non-specific inhibition of the lecithinase activity of type A Clostridium welchii toxin. 9p. 27cm. Bethesda, 1949.

Forms Rep. No. 6, Proj. NM 007 024 (or, X-759) U. S. Nav. M. Res. Inst.

Altemeier & Logan. Nature and control of clostridial infections. Res. Program U. S. Army M. Res. Bd, 1948, Jan., 157.—**Carter, C. B., & Collins, L. D.** The early detection of clostridial infections. Med. Bull. North Afr. Theater U. S., 1944, **2**: 89.—**Feeney, R. E.** The isolation and identification of clostridia in the field. Mil. Surgeon, 1947, **101**: 50–6.—**Fels, I. G.** A rapid cultural method for the presumptive identification of Clostridium welchii. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 27, 22–4.—**Nestorescu, N.** Cercetări asupra imunității oculte față de germenii gangrenoși la om. Rev. san. mil., Bucur., 1937, **36**: 64–8.—**Okubo, S.** Shanghai hukin no dozyōtyū yori kensyutu-sitaru gasu-eso byōin-sei kenki-sei saikin ni tuite [On the anaerobic bacilli causing gas gangrene isolated from the soil around Shanghai] Kaigun gun-ikai zassi, 1935, **24**: 132–9, pl.—**Oltramare, J. H.** La gangrène gazeuse. In his Chir. guerre, Lausanne, 1944, 225–33.—**Patterson, T. C., Keating, C.,** & **Clegg, H. W.** Experiences in the prophylaxis and treatment of clostridial infections in casualties from the invasion of Europe. Brit. J. Surg., 1945–46, **33**: 74–9.—**Wilson, M. J.** Experience in treatment of gas bacillus infection. Mil. Surgeon, 1939, **85**: 145–62.

—— Diagnosis.

Diagnostic test in wound infections. Bull. Army M. Dep., Lond., 1943, No. 19, 5.—**Heiman, E. J.** Opyt opredelenija hialuronidazy v ranevom otdeljaemom dlja rannej diagnostiki ranevoj infekcii na fronte. Biull. eksp. biol. med., 1947, **24**: 367–70.—**When** are wounds infected? Bull. Army M. Dep., Lond., 1943, No. 29, 1.

—— Diphtheria.

Binhold. Ueber Wunddiphtherie. Deut. Militärarzt, 1943, **8**: 521–7.—**Brickner, W. M.** Infection of war wounds by diphtheria and diphtheroids. Mil. Surgeon, 1925, **56**: 683–5, pl.—**Buergers.** Wound diphtheria. Conf. Med. Consultants to Wehrmacht, 2. Conf. (1942) 1948, Proj. 1, pt 7, 122–4.—**Clauberg, K. W.** Vorschläge für ärztliche Massnahmen bei Wunddiphtherie. Deut. Militärarzt, 1942, **7**: 526.—**Horn, C.** Ueber Wunddiphtherie und ihre Behandlung. Ibid., 523–6.—**Killian, H.** Diphtheria of wounds. Bull. War M., Lond., 1941–42, **2**: 489 (Abstr.)—**Oltramare, J. H.** La diphtérie des plaies. In his Chir. guerre, Lausanne, 1944, 234.—**Reimers, C.** Ueber die Wunddiphtherie beim Ostheer. Zbl. Chir., 1944, **71**: 1235–42.—**Scott, T. F. M., Graham, J. R.** [et al.] Wound diphtheria. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 24–8.—**Seifert, E.** Zur Behandlung der sogenannten Wunddiphtherie. Deut. Militärarzt, 1937, **2**: 355.—**Teneff, S.** La difterite delle ferite. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 244.—**Zikowsky, J.** Wunddiphtherie. In: Kriegschirurgie (Zimmer, A.) Wien, 1944, **1**: 100–20.

—— Gas gangrene.

See as main heading.

—— Gunshot wound.

Dziemian, A. J., & Herget, C. M. Physical aspects of primary contamination of bullet wounds. 17p. 26½cm. Army Chem. Cent., 1949.

Forms Rep. No. 215, Med. Div. Chem. Corps U. S. Army.

Hellner, H. Zur Behandlung infizierter Gelenkschüsse. p.211–98. 23½cm. Berl., 1943.

Arch. klin. Chir., 1942–43, **204**:

Dukelsky, B. E. [Material on anaerobic infection of gunshot wounds] Ortop. travmat., Kharkov, 1941, **15**: No. 2, 19–29.—**Dziemian, A. J.,** & **Herget, C. M.** Physical aspects of primary contamination of bullet wounds. Techn. Inform. Pilot, 1950, R, 519.—**Girgolav, S. S.** Infekcionnye osloźnenija ognestrelnoj rany. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **2**: 15–8.—**Lidsky, A. T.** Lećenie inficirovannykh ognestrelnykh ranenij bakpreparatami. In: Vopr. khir. voiny (Gork. gosud. med. inst.) Gorky, 1946, 57–67.—**Smirnova, L. G.** Opredelenie virulentnosti ranevoj flory v klinićeskoj praktike. Khirurgia, Moskva, 1947, No. 2, 95.—**Wustmann, O.** Die Behandlung putrid infizierter Schussbrüche mit dem Dakin-Dauertropfverfahren; (Feuchte Dakin-Kammer) Zbl. Chir., 1941, **68**: 1906–8.

—— Osteomyelitis.

See also **Osteomyelitis.**

Arjev, T. J., & Sinani, M. F. Хронический огнестрельный остеомиэлит. p.391–488. 26½ cm. Moskva, 1950.

In v.2 of Opyt sovet. med. v Velik. oteć. vojne.

Kornev, P. G. Огнестрельный остеомиэлит. p.275–337. 26½cm. Moskva, 1950.

In v.2 of Opyt sovet. med. v Velik. oteć. vojne.

—— Острый огнестрельный остеомиэлит. p.338–90. 26½cm. Moskva, 1950.

In v.2 of Opyt sovet. med. v Velik. oteć. vojne.

Raymond, J. A propos de l'ostéomyélite chronique par projectiles de guerre localisée aux épiphyses. 52p. 24cm. Lyon, 1943.

Astrov, M. S. [Gunshot osteomyelitis and its treatment] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 131–6. —— & **Kovda, R. J.** [Effect of the electric field of ultra-high frequency on the course of traumatic osteomyelitis] Ibid., 434–40.—**Bastos & D'Harcourt.** Observaciones recientes sobre osteomielitis de guerra. Actas Soc. cirug. Madrid, 1934–35, **4**: 129–38. Also Arch. med., Madr., 1935, **38**: 255. Also Med. ibera, 1935, **29**: pt 1, 478.—**Berezov, J. E.** K voprosu o primenenii antiretikuljarnoj citotoksićeskoj syvorotki pri ognestrelnykh osteomielitakh. In: Vopr. khir. voiny (Gork. gosud. med. inst.) Gorky, 1946, 384–7.—**Bruskin, J. M.** [Osteomyelities as sequel of gunshot fractures] Voen. med. glub. tyla (Sredneaziat. voen. okrug) Tashkent, 1943, 121–30.—**Carerj, L.** Considerazioni sull'osteomielite in sede di frattura da arma da fuoco in relazione al trattamento alla Löhr. Gior. med. mil., 1941, **89**: 597–606.—**Davydovsky, I. V.** O patogeneze i patologićeskoj anatomii khronićeskogo osteomielita ognestrelnogo proiskhoždenija. Vest. khir., 1946, **66**: No. 5, 104.—**Deklava, D.** O traumatičnom osteomielitisu. Voj. san. pregl., 1945, **2**: No. 8, 34–9, 4 pl.—**Devjatov, N. N.** O rentgenologićeskikh simptomakh sekvestracii kosti pri tak nazyvaemykh ognestrelnykh osteomielitakh konećnostej. In: Sborn, nauch. rabot lech. ognest. ran. & otmorozh. (Ural. voen. okrug) Sverdlovsk, 1941, 310–22, 2 pl.—**Flerovsky, A. J.** K teknike operacii ognestrelnykh ostcomielitov. Voen. med. J., Moskva, 1945, No. 7, 17–9.—**Fridland, M. O.** Klinika i lećenie khronićeskogo ognestrelnogo

osteomielita. Vest. khir., 1946, 66: No. 5, 104.—**Gómez Ulla.** Observaciones recientes sobre ósteomielitis de guerra. Rev. cirug. Barcelona, 1935, 9: 368–70.—**Grace, E. J., & Bryson, V.** Chronic osteomyelitis in war wounded; a report of two veterans discharged with intractable osteomyelitis and successfully treated with local penicillin-detergent therapy. N. York State J. M., 1947, 47: 2204.—**Jánkovszkij, Kiszoljuk & Szutorihin.** Néhány biokémiai érték változása a vérben és a vizeletben a lövés által okozott csontvelő gyulladásánál. Honvédorvos, 1950, 2: 110 (Abstr.)—**Kadakh, V. K.** K voprosu o lećenii ognestrelnykh osteomielitov. In: Vopr. khir. voiny &c. (Gork. gosud. med. inst.) Gorky, 1942, 183–9.—**Kogen, A. L.** O lećenii khronićeskikh osteomielitov. Ibid., 190–3.—**Kondrasov, I. S.** Klinika i terapija zlokaćestvenno protekajušćikh voenno-travmatićeskikh osteomielitov. Hosp. delo, 1945, No. 12, 16–9.—**Le Bourgo.** Les ostéomyélites de guerre réchauffées; étude de 29 observations. Arch. méd. pharm. nav., 1930, 120: 141–63.—**Lindenbaum, L. M.** Primenenie antirtikuljarnoj citotoksićeskoj syvorotki akad. Bogomolca pri lećenii oslożnennykh osteomielitom ognestrelnykh perelomov éeljustej. In: Tr. Konf. rabot. cheliust. khir. evakohosp., Moskva, 1945, 113–9.—**Lvov, P. P.** Travmatićeskie osteomielity éeljustej. Ibid., 107–13.—**Management** of cases of traumatic osteomyelitis. Bull. U. S. Army M. Dep., 1945, 4: 396.—**Orlov, M. M.** Klinika i patogenez sepsisa pri ognestrelnom osteomielite. Vrach. delo, 1946, 26: 407–14.—**Osteomyelitis** in wounds of long bones [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 285.—**Rokhlin, D. G.** O rentgenovskom izobraźenii khronićeskogo osteomielita ognestrelnogo proiskhoždenija. Vest. khir., 1946, 66: No. 5, 105.—**Ryvlin, J. B.** Ognestrenyj osteomielit lopatki, reber, ključicy i grudiny. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 10: 215–36, 4 pl.—**Schick, F.** Erwiderung zu der Abhandlung Beobachtungen und Ergebnisse bei der Vaccinebehandlung der chronisch-eitrigen Osteomyelitis nach Schussbrüchen von V. Struppler und G. Heinrich. Deut. Militärarzt, 1943, 8: 363.—**Spiridonov, A. N.** Lećenie ognestrelnogo osteomielita. In: Sborn. nauch. rabot N-skogo evakohosp. (Dikovicky, A. A.) Gorky, 1943, 5–20.—**Struppler, V., & Heinrich, G.** Beobachtungen und Ergebnisse bei der Vaccinebehandlung der chronisch-eitrigen Osteomyelitis nach Schussbrüchen. Deut. Militärarzt, 1942, 7: 691–703. ——— & **Schick, F.** Erwiderung zu der Abhandlung Beobachtungen und Ergebnisse bei der Vaccinebehandlung der chronisch-eitrigen Osteomyelitis nach Schussbrüchen. Ibid., 1943, 8: 363; 670.—**Teplov, S. V.** Opyt lećenija ognestrelnykh osteomielitov bedra v svete pokazanij k metodu operacii. In: Vopr. khir. voiny (Gorky gosud. med. inst.) Gorky, 1946, 366–83.—**Tikhodeev, S. M.** Posleranevoj osteomielit (nekotorye nabljudenia nad zaźivleniem ognestrelnykh perelomov v rentgenovskom otobraźenii) In: Sborn. nauch. rabot evakohosp. (Pravdin, A. N.) Moskva, 1941, 180–7.—**Torres Marty, L.** Osteomielitis de guerra. Rev. españ. med. cir. guerra, 1939, 3: 313–22, illust.—**Vlasenko, V. G.** K voprosu o lećenii ognestrelnykh osteomielitov. In: Vopr. khir. voiny (Gork. gosud. med. inst.) Gorky, 1946, 357–65.—**Weeden, W. M., McNeer, G.** [et al.] Experiences with posttraumatic osteomyclitis in World War II. Ann. Surg., 1947, 125: 89–95.

—— Parasites.

Fine, A. Maggot therapy in infected wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 166–72. Also 2. ed., Balt., 1942, 1: 155–60.—**Lange-Sundermann.** Die Madentherapie in ästhetischer Form zur Behandlung schwer infizierter Kriegsverletzungen. Münch. med. Wschr., 1940, 87: 1017–0.—**Sokolovsky, M. P.** [Elimination of maggots from wounds] Voen. san. delo, 1942, No. 9, 51–3.

—— Physiopathology.

Felix, K. Funktionelle Schädigung der Leber durch Bakteriengifte. Deut. Militärarzt, 1943, 8: 505–11.—**Gräff, S.** Ausbreitungswege der Infektion in der Chirurgie. Ibid., 445–9.—**Lebau.** Importance de l'hystolyse dans les infections bactériennes des plaies de guerre. Gaz. hop., 1940, 113: 205.—**Legroux, R., & Loiseleur, J.** Importance de la cytolyse dans l'infection des plaies de guerre. Mém. Acad. chir., Par., 1940, 66: 272–7.—**Longacre, A. B.** Some factors influencing infection in combat casualties as observed in the combat zones. In: Clin. Aspects Surg. Infect. (Meleney, F. L.) Phila., 1949, 763–7.—**Meleney, F.** Clinical and laboratory study of contaminated wounds and burns. Res. Program U. S. Army M. Res. Bd, 1946, Oct., 26–9.—**Melnotte, P.** Le pH des plaies de guerre infectées. Mém. Acad. chir., Par., 1940, 66: 870–4. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva 1943, 229–34. Also Praxis, Bern, 1942, 31: 48 (Abstr.)—**Petrov, N. N.** Sposoby reakcii organizma na ranenuju infekciju. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 51–5.—**Schallock, G.** Ueber Organveränderungen beim infizierten Schussbruch. Deut. Militärarzt, 1943, 8: 515–21.—**Trueta, J.** The passage of bacteria and their toxins through the body. In his Princip. & Pract. War Surg., S. Louis, 1943, 66–82, illust.—**Wright, G. P.** Toxic factors in wound infection. Bull. War M., Lond., 1941–42, 2: 251–62.

—— Prevention.

See also **Burns,** Treatment; **Wound,** Treatment (Chemotherapy; sulfonamide)

Firor, W. M., & Bliss, E. A. The control of wound infections [Abstract] 2p. 28cm. Wash., 1944.

Forms No. 20, Infect. Wounds & Burns Rep. (OSRD) Wash.

Great Britain. Privy Council. Medical Research Council. War memorandum No. 6: The prevention of hospital infection of wounds. 29p. 24½cm. Delhi, 1942.

Also in Nurs. Times, 1941, 37: 904; passim.

Meleney, F. L. Final report of a thirty-three months' study of the prevention of infection in civilian accidental wounds carried on at Presbyterian Hospital, New York City, from February 1, 1942 to October 31, 1944. 26p. 28cm. Wash., 1945.

Forms No. 53, Infect. Wounds & Burns Rep. (OSRD) Wash.

United States. Office of Civilian Defense. Medical Division. Treatment of burns and prevention of wound infections. 11p. 25cm. Wash., 1942.

Adams, J. M. The prevention of wound infections in the field. Med. Bull. (Standard Oil Co.) N. Y., 1935–36, 2: 226.—**Allue Martínez, F.** Nuevos métodos en la lucha contra la infección de las heridas de guerra. Ejército, 1944, No. 49, 45–9.—**Anti-bacterial** agent No. 1; early evacuation. Bull. Army M. Dep., Lond., 1944, No. 32, 1.—**Control** of infection in war wounds. Nature, Lond., 1940, 146: 753.—**Crispolti, E.** Vaccini e sulfamidici nella profilassi e cura anti-infettiva delle ferite di guerra. Policlinico, 1941, 48: sez. prat., 432–6.—**Franck, M., & Vignes, H.** Les solutions salines hypertoniques en chirurgie de guerre; méthode phylacagogique de Wright. Rev. path. comp., Par., 1916, 16: 337–43.—**François, M., & Vignes, H.** La méthode de Wright pour l'étude et le traitement des plaies de guerre. Ibid., 5–15.—**Hellner, H.** Die chirurgische Wundinfektion und ihre Bekämpfung. Bull. War M., Lond., 1942–43, 3: 310 (Abstr.)—**Henriques, J.** Prevenção da infecção e tratamento das feridas de guerra. Arq. brasil. cir., 1942, 10: 129–53.—**Hoerr, S. O.** A study of the effect of prophylactic oral sulfadiazine upon infection in soft tissue war wounds closed secondarily. Surg. Gyn. Obst., 1946, 82: 586–97.—**Infection** of war wounds; methods of prevention and control. Pharm. J., Lond., 1941, 92: 33.—**Legroux, R.** Chimioprévention expérimentale de l'infection des plaies de guerre. Bull. Acad. méd., Par., 1941, 3. sér., 124: 554–62. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 221–9.—**Lehmann, J. C.** Wundinfektionsbekämpfung bei den vorderen Sanitätseinheiten. Zbl. Chir., 1942, 69: 706–10. Also Bull. War M., Lond., 1942–43, 3: 186 (Abstr.)—**Meleney, F. L.** The prevention of infection in accidental wounds. In: Advance. Mil. Med., Bost., 1948, 1: 95–110.—**Memorandum** concerning the use of sulphonamide derivatives for prophylaxis and treatment of wound infections. J. R. Army M. Corps, 1939, 73: 298–301.—**Monod, R., & Claisse, R.** Sulfamidothérapie locale et contrôle bactériologique dans les plaies de guerre. Presse méd., 1940, 48: 980.—**Moškovsky, S. D.** [Sulfamide preparations in prevention and therapy of wound infections] Feldsher, Moskva, 1941, No. 10, 10–4. Also Voen. san. delo, 1941, No. 8, 15–8.—**Niedner, F.** Ueber die Bekämpfung der banalen Wundinfektion in den vorderen Sanitätseinrichtungen. Wien. klin. Wschr., 1943, 56: 637–40.—**Petrov, N. N.** Principy profilaktiki ranevoj infekcii. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 69–84.—**Prevention** (The) of infection in wounds and burns. Army M. Bull., 1942, No. 61, 13–23. Also War Med., Chic., 1942, 2: 488–96.—**Prevention** (The) and treatment of infection in wounds by sulphonamides. J. R. Army M. Corps, 1941, 76: 309.—**Soldiers** may carry protection against germs. Science News Lett., 1940, 37: 341.—**Sulphonamides** for infected wounds; prophylaxis and treatment (War Office supplementary memorandum) Brit. M. J., 1939, 2: 969.

—— pyogenic.

See also **Suppuration.**

Teneff, S. Le infezioni piogene delle ferite d'arma da fuoco. p.181–215. 25cm. Tor., 1940.

In: Chir. guerra (Uffreduzzi, O.) Tor., 1940.

Bartholomé, H. Erfahrungen in der Behandlung der pyogenen und putriden Wund- und Allgemeininfektion bei Kriesgwunden. Bull. War M., Lond., 1942–43, 3: 365 (Abstr.) Also Deut. med. Wschr., 1943, 69: 44 (Abstr.)—**Elimination** of haemolytic streptococci from wounds and burns. Bull. Army M. Dir., Lond., 1941, 2.—**Fedorovich, D. P.** Lećenie gnojnykh ran neopantocidom. Voen. san. delo, 1941, No. 9, 17–9.—**Fisher, M. N., & Kljućareva, G. G.** Metod kolićestvennogo ućeta mikrobnoj obsemenennosti gnojnykh ran. In: Voen. med. Leningr. fronte (Russia. Glavn. voen. san. upravl.) Moskva, 1946, 251–62.—**Girgolav, S. S., & Libov, L. L.** Gnojnaja infekcija ran. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 126–32.—**Gorinevskaja, V. V.** Gnojnye i gnilostnye oslożnenija ran, ikh preduprežđenie i lećenie v vojskovom i armejskom rajonakh. In her Perv. khir. pomoshch

travm. voen. mirn. vrem., Moskva, 1942, 105–39.—**Hare, R.** Sources of haemolytic streptococcal infection of wounds in war and in civil life. Lancet, Lond., 1940, **1:** 109–12.—**Kolesov, V. I.** Bakteriofagoterapija gnojnykh ran. In: Voen. med. Leningr. fronte (Russia. Glavn. voen. san. upravl.) Moskva, 1946, 240–3.—**Kukoverov, N. A.** [Significance of intermuscular space and its cellular tissue in the spread of acute, suppurative infections of extremities in war and industrial trauma] Nov. khir. arkh., 1937, **38:** 305–44.—**Levaditi, C., Gérard-Moissonnier** [et al.] Les plaies de guerre contaminées de streptocoque et leur chimiothérapie. Bull. Acad. méd., Par., 1940, 3. sér., **123:** 39–56. Also Gaz. hôp., 1940, **113:** 78.—**Levaditi, J., & Giuntini, J.** Caractères biochimiques de streptocoques isolés de plaies de guerre. C. rend. Soc. biol., 1940, **133:** 408–10.

——— Variations biologiques des souches de streptocoques isolées à partir de plaies de guerre soumises à l'action des dérivés sulfamidés. Ibid., 410–3.—**Lindeman, V. M.** [Antiseptic remedies in treatment of suppurative wounds] Feldsher, Moskva, 1938, No. 2, 8–11.—**Mashtafarov, V. N.** [Hydrotherapy of suppurative wounds] Feldsher, Moskva, 1940, No. 9, 15.—**Napalkov, P. N.** Gnilostnaja infekcija ognestrelnykh ran. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **2:** 19–50, 5 pl.—**North, E. A., Christie, R., & Rank, B. K.** Penicillin-resistant staphylococci in wounds; a report based on a study of 59 cases of infected war wounds. Med. J. Australia, 1946, **2:** 43–51.—**Owczarewicz, L., & Sokolowski, T.** L'état actuel du traitement et de la prévention des infections pyogènes des plaies de guerre. Arch. méd. belges, 1935, **88:** Bull. internat., 61–81. Also Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 55–78.—**Pavolocky, S. I.** [New method of treatment of purulent wounds] Voen. san. delo, 1943, No. 8, 50.—**Petrov, N. N.** Obšćeinfekcionnye formy pri ranenijakh i zatjaźnye mestnye formy; obšćaja gnoerodnaja rancvaja infekcija; zaraźenie krovi. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 154–63.—**Shabanov, A. N.** [Treatment of acute suppurative wounds] Feldsher, Moskva, 1943, No. 10. 17–9.—**Teneff, S.** Le complicazioni delle infezioni piogene delle ferite d'arma da fuoco. In: Chir. guerra (Uffreduzzi, O.) Tor., 1940, 215–26.—**Terentiev, A. P., Shapkaiz, M. I., & Popova, A. V.** [Treatment of suppurative wounds with preparation of special clays] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 215–9.—**Toshinsky, I. I.** [Results of bacteriophage treatment of suppurative wounds] Ibid., 227–30.—**Trueta, J.** Pyogenic infections of war wounds. In his Principl. & Pract. War Surg., S. Louis, 1943, 83–92.—**Wyant.** The use of Dakin's solution, dichloramine-T, and eusol in the treatment of suppurating wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 762–4.

—— Sepsis.

See also **Sepsis.**

Chernov, A. Z., & Teodori, M. I. Раневой сепсис. p.189–256. 26½cm. Moskva, 1950.

In v. **29** of Opyt sovet. med. v Velik. oteć. vojne.

Melnikov, A. V. Klinika septićeskikh oslo-žnenij ognestrelnykh ran. 179p. 22cm. Moskva, 1943.

Sokolov, N. V. Раневой сепсис. 24p. 20 cm. Kazan, 1943.

Barbieri, P. Los estados sépticos crónicos en las heridas de guerra. Rev. san. mil., B. Air., 1945, **44:** 16.—**Berezov, E. L., & Kulikova, A. I.** Lećenie ranevogo sepsisa perelivaniem krovi. In: Vopr. khir. voiny &c. (Gork. gosud. med. inst.) Gorky, 1942, 9–26.—**Böhler, L., & Ignacio Imaz, J.** La protección contra la septicemia mortal por heridas, por medio del tratamiento quirúrgico y del reposo completo e ininterrumpido exclusivamente, sin el empleo de los nuevos métodos químicos, inmunológicos, serológicos o radiológicos. Rev. san. mil., B. Air., 1934, **33:** 276–90.—**Chronic** sepsis in war wounds. Bull. Army M. Dep., Lond., 1944, No. 33, 2.—**Dikshit, B. B., & Gardham, A. J.** Control of sepsis in war wounds by pre-surgical treatment; preliminary report. Ind. M. Gaz., 1945, **80:** 121–5.—**Gorelov, M. A.** [The treatment of wound sepsis with intravenous infusions of alcohol] Voen. san. delo, 1943, No. 8, 47.—**King, R. A.** Chronic sepsis with toxaemia in war wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 140–3.—**Ross, J. P.** Sepsis in war wounds of the limbs. Brit. M. J., 1942, **1:** 589–91.—**Senderikhin, M. A.** [Wound intoxication and sepsis; wound exhaustion] Feldsher, Moskva, 1944, No. 7, 23–7.—**Septic** (The) problem in war. Nature, Lond., 1917, **99:** 48–50.

—— Tetanus.

See as main heading.

—— Treatment.

See also **Nitrofuran.**

Augé, A. Etude et traitement de l'infection dans la plaie de guerre. Montpellier méd., 1931, **53:** 239–54.—**Boycott, A. E.** The treatment of septic war wounds. Lancet, Lond., 1916, **2:** 623.—**Carrel, A.** Treatment of infected wounds. N. York M. J., 1917, **106:** 816.—**Dakin, H. D.** The treatment of infected wounds. J. Am. M. Ass., 1917, **69:** 1994.—**Donati, M.** Cura delle infezioni chirurgiche con speciale riguardo alle feritc di guerra. Gior. med. mil., 1936, **84:** 501–3.—**Girgolav, S. S., Arjev, T. J., & Libov, L. L.** Lećenie osloźnenij inficirovannykh ran. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 139–90.—**Hellner, H.** Die chirurgische Wundinfektion und ihre Bekämpfung. Praxis, Bern, 1942, **31:** 766 (Abstr.)—**Spire.** Le traitement des blessures de guerre et des infections consécutives. Rev. internat. Croix Rouge, 1937, **19:** 351–67.—**Spittel, R. L.** The treatment of infected wounds. J. Ceylon Brit. M. Ass., 1916, **13:** 66–74.—**Starlinger, F.** Die Bekämpfung des unspezifischen Infekts im Rahmen der Kriegsverletzungen. Med. Klin., Berl., 1940, **36:** 1332–4.—**Treatment** (The) of infected war wounds. J. Am. M. Ass., 1917, **69:** 286.—**Wheeler, W. I. de C.** Treatment of infected war wounds. Brit. M. J., 1940, **2:** 394.

—— Treatment: Antiseptics and disinfectants.

Meleney, F. L., Friedman, S. T., & Harvey, H. D. The treatment of progressive bacterial synergistic gangrene with penicillin [Abstract] 1p. 28cm. Wash., 1945.

Forms No. 51, Infect. Wounds & Burns Rep. (OSRD) Wash.

Naffziger, H. C., Warmer, H. [et al.] Clinical experience with treatment of infections of the bone with penicillin [Abstract] 1p. 28cm. Wash., 1944.

Forms No. 44, Infect. Wounds & Burns Rep. (OSRD) Wash.

Antiseptics and the treatment of infected wounds. Nature, Lond., 1917, **99:** 265.—**Beatson, G. T.** The use of antiseptics in infected wounds. Lancet, Lond., 1915, **2:** 1214.—**Benedetto, S.** La chimiatria antisettica ed il trattamento delle ferite infette. Riforma med., 1917, **33:** 384.—**Carrel's** method of treating infected wounds. Ther. Gaz., Detr., 1917, **41:** 438–40.—**Chemotherapy** and infections in war. Brit. M. J., 1939, **2:** 859.—**Chemotherapy** of infected war wounds. J. Am. M. Ass., 1939, **113:** 2251.—**Daman, T. W. A.** The use of glycerine and ichthyol in the treatment of septic wounds. Brit. M. J., 1916, **2:** 646.—**Gause, G. F., & Bražnikova, M. G.** Gramicidin S and its use in the treatment of infected wounds. War Med., Chic., 1944, **6:** 180.—**Geraśćenko, N. T.** [Results in treatment of infected wounds with colloidal iodine in oil] Vocn. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 233–5.—**Heiman, E. J.** Ugolnaja anhidraza krovi pri ranevom sepsise. Voen. med. sborn., 1946, **3:** 171–81.—**Holder, H. G., & MacKay, E. M.** Wound therapy; with special reference to application of carbamide-sulfonamide mixtures to contaminated and infected wounds. Mil. Surgeon, 1942, **90:** 509–18.—**Kirschner, M.** Chemotherapy of surgical infections. War Med., Chic., 1943, **3:** 677 (Abstr.)—**Kós, R.** Fertőzött sebek kezelése penicillin-marfanil-sulfapyridin sebhintőpor lokális alkalmazásával. Honvédorvos, 1950, **3:** 580–8, illust.—**Loeb, W. A., & Thornton, J. S.** Neoprontosil and sulfanilamide in the local treatment of infected wounds. Med. Bull. Veterans Admin., 1941–42, **18:** 65–71.—**Marcinovich, M. R.** [Streptocide in treatment of infected wounds] Voen. med. glub. tyla (Srednеaziat. voen. okrug) Tashkent, 1943, 220–6.—**Maylard, A. E.** The value of pure carbolic acid in the treatment of septic wounds. Brit. M. J., 1917, **1:** 808.—**Mezö, B.** Treatment of infected wounds with potassium permanganate-boric acid solution and powder. War Med., Chic., 1943, **3:** 660 (Abstr.)—**Penicillin** therapy of surgical infections. Bull. U. S. Army M. Dep., 1944, No. 72, 1–3.—**Popov, V. I.** [Intravenous injections of magnocide in treatment of infected wounds] Tr. Acad. mil. méd. Kiroff, 1935, **3:** 147–55.—**Rostock.** Chemotherapy of the wound infections. Conf. Med. Consultants to Wehrmacht, 1. Conf. (1942) 1948, Proj. 1, pt 9, 27–35.—**Sarroste, M., & Fauvert, R.** Bakteriologićeskie izmenenija v ranakh voennogo vremeni pod vlijaniem sulfamidoterapii. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 234–42.—**Treatment** (The) of infected wounds; the Carrel-Dakin method. Brit. M. J., 1917, **1:** 264.—**Valdes.** The flavine antiseptic in the treatment of infected wounds. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **7:** 779–82.—**Weinberg, J.** Topical penicillin treatment of wound infections in compound fractures. Bull. U. S. Army M. Dep., 1946, **5:** 419–22.—**Zenker, S., & Kiffner, R.** Experimental investigations on chemotherapy in wound infections. War Med., Chic., 1943, **3:** 677.

—— Treatment: Methods.

Dubuisson, J. *Le traitement des plaies de guerre infectées par les transfusions, la protéinothérapie et la pénicilline. 39p. 24cm. Par., 1945.

Barling, S. Local treatment of infected war wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, p.86–95.—**Carrel, A., Dakin** [et al.] Traitement abortif de l'infection des plaies. Bull. Acad. méd., Par., 1915, 3. ser., **74:** 361–8.—**Daniel, G.** Quelles possibilités thérapeutiques nous offrent les rayons X dans les infections de guerre? Progr. méd., Par., 1940, pt 1, 269–74.—**Fansler, W. A.** The use of Bacillus lactis bulgaricus in the treatment of infected wounds. J. Lancet, 1917, **37:** 679–.—**Fourmestraux, de.** La voie artérielle dans le

traitement des infections des membres. Rev. Serv. san. mil., Par., 1940, 112: 45–55.—**Girgolav, S. S., Arjev, T. J., & Gamov, V. S.** Lećenie osložnenij inficirovannykh ran. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 139–68.—**Gorinevskaja, V. V.** Metodika lećenija vospalivśikhsja ran. In: Lechen. ran. voine (Petrov, N. N.) 6. ed., Leningr., 1942, 123–34.—**Kosterev, S. A., & Fandré, S. A.** [Effect of ultraviolet rays on the healing of infected wounds] Tr. Acad. mil. méd. Kiroff, 1935, 3: 133–8.—**Libov, L. L.** Lećenie osložnenij inficirovannykh ran; lekarstvennaja terapija. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, 1: 168–81.—**Lluesma-Uranga, E.** Heridas de guerra infectadas; experiencias y criterio personal en su tratamiento local. Rev. san. mil., B. Air., 1941, 40: 958; 1047.—**McCullough, N. C.** Treatment of infected war wounds with a nitrofuran. Indust. M., 1947, 16: 128–30.—**Maršak, M. S.** [Dietotherapy in infected wounds] Voen. san. delo, 1942, No. 10, 35–41.—**Moskalenko, V.** K voprosu o lećenii inficirovannykh ran orośeniem spirto-jodnym rastvorom. Ibid., 1941, No. 6, 23–9.—**Nazarkin, I. D.** [The treatment of infected wounds with waste motor oil] Ibid., 1943, No. 8, 30–3.—**Open** (The) treatment of infected wounds [ed.] N. York M. J., 1916, 104: 1293.—**Osipovsky, V. M.** [Treatment of infected wounds with oil balsam dressings according to Vishnevsky] Arkh. biol. nauk, 1941, 62: 39–45. Also Bull. War M., Lond., 1943–44, 4: 68 (Abstr.)—**Owczarewicz, L., & Sokolowski, T.** (Present-day treatment of infected war wounds) Lek. wojsk., 1934, 24: 165–80.—**Petrov, N. N.** Obśćie principy lećenija mestnoj ranevoj infekcii; sodejstvie pokoju, oporoženiju rancvogo sekreta, pritoky krovi; fagoterapija. In his Lechen. ran. voine, 6. ed., Leningr., 1942, 85–9.—**Sweetser, T. H.** Treatment of war wounds based on their bacteriology. Mil. Surgeon, 1941, 89: 17–24. Also Minnesota M., 1941, 24: 488.—**Traitement** abortif de l'infection des plaies. Gaz. méd. Paris, 1915, 86: 79.—**Tsodyks, M.** [New methods of treatment of infected wounds] Voen. san. delo, 1936, No. 8, 6–13.—**Zagorodnyj, P. E.** [Balsams in the treatment of infected wounds] Ibid., 1943, No. 5, 47.

—— Treatment, surgical.

See also **Wound surgery.**

Girgolav, S. S. Хирургия. Разд. 1: Общие вопросы военно-полевой хирургии; гнилостная инфекция, анаэробная инфекция, столбняк, остеомиэлит. 500p. 26½cm. Moskva, 1950.

Forms v.2, Opyt sovet. med. v Velik. oteć. vojne.

Ochsner, A. Contaminated and infected wounds; study of reconstructive surgery in cases of bone infection [Abstract] 5p. 28cm. Wash., 1945.

Forms No. 50, Infect. Wounds & Burns Rep. (OSRD) Wash.

Barling, S. Local treatment of infected war wounds, with special reference to débridement. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, 1: 105–14.—**Gdalević, I. N.** Dozvolena li kostnaja plastika na inficirovannom materiale voennogo vremeni? Vrach. delo, 1946, 26: 459–64.—**Goodrich, C. H.** Cut-out infected wounds. N. York State J. M., 1937, 37: 2101–5.—**Ivančenko, A. I.** [Packing of infected pathological cavities following war wounds] Hosp. delo, 1944, No. 6, 35–7.—**Lee, W. E.** The secondary suture of infected wounds after their chemical sterilization with dichloramine-T. Internat. Clin., 1918, 28. ser., 1: 174–82, 6 pl.—**Lluesma Uranga, E.** Tratamiento de heridas infectadas de curso tórpido, según las normas y experiencias proporcionadas por la cirugía de guerra. Sem. méd., B. Air., 1941, 48: pt 1, 580–5.—**Treatment** of infected wounds at the Rockefeller Institute for Medical Research. Rev. War Surg. & M., 1919, 2: No. 5, 1–27.

WOUNDING mechanism.

See under **Ballistics,** Wound ballistics.

WOUND shock.

See **Shock,** traumatic.

WOUND surgery.

See also **Surgical technic; Traumatology; Wound,** Treatment.

Hoche, O. F. Wehrchirurgische Behandlung Verwundeter und Verletzter. 175p. 18cm. Berl., 1940.

Berry, F. B. Surgical principles in wound management. Bull. N. York Acad. M., 1946, 22: 605–18.—**Gibson, C. L.** Treatment of war wounds. Med. Rec., N. Y., 1918, 94: 66.—**Hoche, O.** Die wehrchirurgische Behandlung der Verwundeten. Med. Klin., Berl., 1939, 35: 1363; passim. Also Cienc. méd., Rio, 1943–44, 12: 150–8.—**Hook, F. R.** Management of wounds. Surg. Clin. N. America, 1941, 21: 1723–37.—**MacFarlane, J. A.** Wounds in modern war. J. Bone Surg., 1942, 24: 739–52.—**Magnus, G.** Ueber Wundbehandlung. In: Kriegschir. Ratgeber, Berl., 1941, 88–93.—**Petermann,** Wundbehandlung im Krieg und Frieden. Zbl. Chir., 1939, 66: 2029–35.—**Poate, H. R. G.** War wounds and their treatment. Austral. N. Zealand J. Surg., 1941–42, 11: 219–29.—**Redwitz.** Rückblick und Ausblick auf die Wundbehandlung vor und nach dem Kriege. Zbl. Chir., 1947, 72: 886.—**Sheehan, J. E.** War wounds. Am. J. Surg., 1943, 61: 324–30.—**Souza Ferreira.** Conferencia sobre cirurgia de guerra; tratamento da ferida de guerra. Tribuna med., Rio, 1927, 31: 170; 179.—**Williams, H. W.** Traumatic surgery. J. Christian M. Ass. India, 1950, 25: 104–9.

—— abdominal.

See also **Wound**—by organs and regions: Abdomen.

Aylett, S. O., & Alsop. A. F. Surgery and anesthesia of war wounds of the abdomen. Brit. M. J., 1945, 1: 547–51.—**Barón, A. G.** Resultados inmediatos obtenidos en vanguardia del tratamiento de los heridos penetrantes y complicados de vientre. Rev. españ. med. cir. guerra, 1939, 2: 213–24. ——— El porvenir incierto de los heridos abdominales de guerra al abandonar el equipo quirúrgico de vanguardia. Ibid., 1940, 5: 194–202.—**Bastedo, G. M., & Johnston, D. W. B.** Primary surgery of war wounds of the abdomen. J. Canad. M. Serv., 1944–45, 2: 534–41.—**Berry, F. B.** Surgery in the field for wounds of the abdomen. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1945, No. 31, 5–13. Also Bull. U. S. Army M. Dep., 1946, 6: 140–8.—**Blackburn, G., & Rob, C. G.** The abdominal wound in the field. Brit. J. Surg., 1945–46, 33: 46–52.—**Bogle, J. H.** War wounds of the abdomen; a review of 131 cases. Am. J. Surg., 1946, 72: 656–67.—**Bolot, F., Stéfani, R., & Mayaud, J.** Considérations sur les plaies de l'abdomen en chirurgie de guerre. Afrique fr. chir., 1944, 2: 5–33.—**Cleghorn, R. A., Chute, A. L., & Lathe, G. H.** Studies of bodily reactions to injury in battle casualties; observations following operation and typical histories of cases with wounds penetrating the abdomen. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C. 6227e, 1–27, 4 tab.—**Corrêa Netto, A.** Rotina para tratamento das feridas penetrantes do abdomen em cirurgia de guerra. An. paul. med. cir., 1946, 51: 265.—**Cuadrado, F.** Vías de acceso a las heridas intraperitoncales de guerra. Rev. españ. med. cir. guerra, 1939, 3: 267–78.—**Danić, R.** [Abdominal wounds in time of war and their treatment] Voj. san. glasnik, 1939, 10: 633–50.—**Dunphy, J. E., Hoerr, S. O.** [et al.] The problem of nutrition in the postoperative care of abdominal wounds of warfare. N. England J. M., 1946, 234: 545–52.—**Erasmus, J. F. P.** The forward surgery of abdominal war wounds. S. Afr. M. J., 1945, 19: 446–52.—**Jarvis, F. J., Byers, W. L., & Platt, E. V.** Experience in the management of the abdominal wounds of warfare. Surg. Gyn. Obst., 1946, 82: 174–93.—**Lowdon, A. G. R.** War wounds of the abdomen; report of 64 cases treated by laparotomy. Edinburgh M. J., 1944, 51: 257–79.—**MacFarlane, J. A.** The management and results of war wounds of the abdomen, 1944. Univ. Leeds Med. Mag., 1945, 15: 84–94.—**McNealey, R. W.** Penetrating wounds of the abdomen. Surg. Clin. N. America, 1944, 24: 79–92.—**Maingot, R.** The management of war wounds of the abdomen. Med. Press & Circ., Lond., 1943, 209: 85–90.—**Moiroud, P., & Vignes, H.** Les plaies de l'abdomen en chirurgie de guerre; bibliographie des travaux récents. Rev. path. comp., Par., 1916, 16: 25; 45; 97.—**Nichols, H. M.** Abdominal wound suture; the use of figure-of-eight steel wire in emergency surgery. West. J. Surg., 1943, 51: 17–20.—**Nores, A.** (h.) El drenaje y sus indicaciones en las heridas penetrantes del abdomen. Rev. san. mil., B. Air., 1940, 39: 224–9.—**Ogilvie, W. H.** The treatment of abdominal wounds. J. R. Army M. Corps, 1941, 77: 299–309. Also Spanish transl. Rev. san. mil., B. Air., 1942, 41: 470–83. ——— Forward surgery of abdominal wounds. Lancet, Lond., 1944, 1: 555–8.—**Porto, M.** Indicações e contra-indicações operatorias nos ferimentos abdominais em cirurgia de guerra. Rev. med. mil., Rio, 1934, 23: 58–86.—**Rankin, F. W., & Hurt, L. E.** Notes on abdominal wounds received in battle. South. Surgeon, 1947, 13: 843–51.—**Shidler, F. P.** Treatment of acute war wounds of the abdomen. West. J. Surg., 1946, 54: 228–39.—**Sierra Fornies, A.** Heridas del abdomen. In: Cuest. méd. quir. guerra (Gironés, L.) Santander, 1938, 97–144.—**Snyder, J. M.** Surgical management of war wounds of the abdomen. Am. J. Surg., 1946, 72: 331–42.—**Uffreduzzi, O.** Le ferite addominali in generale. In his Chir. guerra, Tor., 1940, 891–900, illust.—**Walton, J.** Abdominal wounds in war; treatment of individual lesions. Brit. M. J., 1943, 1: 61–3.

—— Closed plaster technic.

Roulland, H. *Contribution à l'étude du traitement des plaies de guerre par la méthode occlusive. 77p. 24cm. Par., 1940.

Sulamaa, M. *Ueber die Wundbehandlung nach der Salbeneingipsungsmethode; mit besonderer Berücksichtigung ihres entzündungspathologischen Wirkungsmechanismus. p.21–85. 24cm. Helsin., 1941.

Acta Soc. med. Duodecim, 1942, Ser. B, 32:

Anđelevic, V. D. [The treatment of wounds by plaster cast immobilization] Khirurgia, Moskva, 1942, No. 5, 29–34.—**Barondes, R. de R.** Antibacterial and healing factors in the closed plaster treatment of wounds. Med. Rec., N. Y., 1942, **155**: 373.—**Behandlingen** (Om) av krigsskador med slutna gipsförband enligt Orr-Löhr. Nord. med., 1941, **9**: 237.—**Bosse, P.** Was kann der Lebertranverband nach Löhr an der vordersten Front leisten? Münch. med. Wschr., 1936, **83**: 601–3.—**Brandt, G.** Offene Wundbehandlung oder abschliessender Salbengipsverband? Zbl. Chir., 1942, **69**: 1602–4.—**Brown, F. R.** Unpadded plaster in open wounds. Brit. M. J., 1943, **2**: 692.—**Closed** method of treating war wounds. Lancet, Lond., 1939, **2**: 655.—**Cunha, B.** Em torno do gessado oclusivo. An. Hosp. centr. exerc., Rio, 1942, **7**: 79–90.—**Dencke, K.** Die Notwendigkeit des Gipsverbandes bei der ersten Versorgung der Gliedmassen-Schussbrüche. Bull. War M., Lond., 1942–43, **3**: 199–201 (Abstr.)—**D'Harcourt, J., Folch Pi, A.,** & **Oriol Anguera, A.** La cure occlusive en chirurgie de guerre. Rev. chir., Par., 1939, **77**: 645–72.—**Ellis Ribeiro, F.** Tratamento das feridas pelo método oclusivo gessado (Orr-Trueta) Med. cir. farm., Rio, 1945, 370–86.—**Higgs, S. L., Spooner, E. T. C.** [et al.] Discussion on the closed plaster treatment of wounds in the light of recent experience. Proc. R. Soc. M., Lond., 1940–41, **34**: 218–21.—**Honkanen, P.** Sekundär Orr-Löhr-behandling av kriegsskador. Nord. med., 1941, **11**: 2114 (Abstr.)—**Lagrot, Naggiar & Leroy, M.** Le traitement des plaies de guerre des membres par le plâtre fermé. Mém. Acad. chir., Par., 1945, **71**: 185–8.—**Marques Porto, E.** A propósito do penso raro, sob gessado oclusivo, no tratamento da ferida de guerra. Rev. med. mil., Rio, 1941, **30**: 50–8. Also Rev. med. cir. Brasil, 1942, **50**: 347–52.—**Mason, M. L.** Primary closure and the closed plaster treatment of wounds. Q. Bull. Northwest. Univ. M. School, 1941, **15**: 302–5.—**Milligan, E. T. C.** Treatment of wounds by closed method. Brit. M. J., 1939, **2**: 1161.—**New** treatment highly suited for wounds of modern warfare. Delaware M. J., 1940, **12**: 263. Also J. Oklahoma M. Ass., 1940, **33**: No. 10, 32.—**Orr** plaster-cast technique starts a revolution in war wound surgery. Life, 1940, Dec. 9, 47–9.—**Pannett, C. A.** The closed plaster method. Lancet, Lond., 1940, **2**: 82.—**Pearson, M. G.** Closed-plaster treatment of war wounds. S. Afr. M. J., 1942, **16**: 228.—**Richards, V.,** & **Reichert, F. L.** Treatment of war wounds; the Orr closed plaster method for compound fractures; and the modified guillotine amputation. Stanford M. Bull., 1942–43, **1**: 90–101.—**Schulenburg, C. A. R.** The closed-plaster treatment of war wounds. S. Afr. M. J., 1942, **16**: 159; Disc., 343.—**Silver, C. M.,** & **Rusbridge, H. W.** Use of a saturated iodoform-benzoin solution to counteract the odor of plaster-encased war wounds. Mil. Surgeon, 1944, **95**: 233.—**Steinman, L. I.** [The treatment of wounds with closed plaster casts at the rear] Khirurgia, Moskva, 1943, No. 4, 16–20.—**Sulamaa, M.** Zur Behandlung der Schussbrüche im Kriege mit besonderer Berücksichtigung der Indikationen zur Salbeneingipsung. Acta chir. scand., 1943–44, **89**: 483–98.—**Talbot, A. E., Protar, M.,** & **Boron.** Quelques considérations sur la méthode espagnole dans le traitement des plaies de guerre. Progr. méd., Par., 1940, pt 1, 397–401.—**Trueta, J.** The closed plaster method. Lancet, Lond., 1940, **2**: 53. ——— Tratamiento des las heridas y fracturas de guerra. Gac. peru. cir. med., 1940–41, **3**: No. 35, 4; passim. Also Brit. M. J., 1942, **1**: 616. Also Lancet, Lond., 1942, **2**: 22.—**Trueta's** message. J. R. Army M. Corps, 1942, **79**: 91.—**Turovskaja, A. I.,** & **Kozlov, D. N.** [The healing of non-infected wounds without frequent changes of dressing] Voen. san. delo, 1942, No. 6, 64.—**Watson-Jones, R.,** & **Palser, J. E. J.** Closed plaster technique for infected fractures and war wounds. Brit. M. J., 1940, **2**: 764.

—— Dressing.

See also **Dressing.**

Gurd, F. B., Ackman, F. D., & Smith, F. Planned timing in the treatment of wounds and infections by means of infrequent occlusive dressings. p.37–60. 26cm. Phila., 1944.

In: Technique in trauma (Gurd, F. B.)

Akhutin, M. N. [Methods in preliminary dressing of war wounds] Nov. khir. arkh., 1940, **45**: 195–207.—**Bowden, J. N.** Improvised dressings and transportation. Proc. Mayo Clin., 1940, **15**: 746.—**Creignou.** Choix d'un pansement de guerre dans les formations de l'avant et les hôpitaux d'évacuation. Progr. méd., Par., 1917, 3. ser., **32**: 226–8.—**Dick, I. L.** Modern methods of dressing wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 107–14.—**Dressing** technique versus sepsis. Bull. Army M. Dep., Lond., 1945, No. 47, 3.—**Fedorov, D. N.,** & **Korovin, A. S.** [Treatment of gunshot wounds and frostbite in evacuation hospitals with ointment dressing] Arkh. biol. nauk, 1941, **62**: 28–33. Also Bull. War M., Lond., 1943–44, **4**: 68 (Abstr.)—**Gurd, F. B., Ackman, D.,** & **Smith, F.** Planned timing in the treatment of wounds and infections by means of infrequent occlusive dressings. Ann. Surg., 1943, **118**: 921–44, 2 pl., ch.—**Juriev, N. M.** [Introduction of a standard preliminary dressing of war wounds] Khirurgia, Moskva, 1941, No. 9, 58–63.—**Koseleva, V. P.** Cink-kleol-krakhmalnye povjazki pri lečenii vjalo zaživajuščikh ran goleni. In: Vopr. khir. voiny &c. (Gork. gosud. med. inst.) Gorky, 1942, 234–7.—**Loewy, R.** Du traitement des plaies à l'air libre; les corbeilles caoutchoutées. Paris chir., 1916, **7**: 681.—**Raia, A.** Bandagens. In: Man. socor. guerra, S. Paulo, 1943, 152–5.—**Timofeev, M. S.** [Preliminary dressing of wounds during military operations] Radianska med., 1940, **5**: No. 7, 43–8.—**Višnevsky, A. V.** [Against frequent dressing of wounds] Voen. med. J., Moskva, 1945, June, 8–16.—**When** dressing wounds; some reminders. Bull. Army M. Dep., Lond., 1944, No. 36, 5.

—— Excision of wound (Débridement)

See also subheading (Primary suture)

Great Britain. Privy Council. Medical Research Council. Notes on the diagnosis and treatment of gas gangrene. 13p. 24½cm. Lond., 1940.

Forms No. 2, M. R. C. War. Mem.

Magnus, G. Ueber den heutigen Stand der Wundbehandlung nach den Erfahrungen des Weltkrieges. 21p. 8° Lpz., 1933.

Archibald, E. W. Wound excision or débridement; what should they really mean? J. Canad. M. Serv., 1943–44, **1**: 345–56.—**Aub, J. C.** Débridement and antitoxin. Bull. Shock (NRC) Wash., 1943, 197.—**Axhausen.** Ueber die Versorgung der Gesichts-Kieferverletzungen des Krieges. Chirurg, 1939, **11**: 801–7, illust.—**Bailey, H.** Débridement. Brit. M. J., 1940, **2**: 535.—**Baldree, C. E.,** jr. Débridement unit. U. S. Nav. M. Bull., 1944, **43**: 555.—**Barthélemy, M.** L'évolution et le traitement des plaies de poitrine en chirurgie de guerre. Bull. Acad. méd., Par., 1940, **123**: 156–61.—**Bonnette.** L'épluchage des plaies de guerre; un précurseur, le docteur Baudens surnommé le Larrey d'Afrique. Progr. méd., Par., 1939, pt 2, 1271.—**Bowlby, A.** Primary suture of wounds at the front in France. Brit. M. J., 1918, **1**: 333.—**Brock, R. C.** War injuries of the chest. Guy's Hosp. Gaz., Lond., 1940, **54**: 270–6.—**Brown, J. J. M.** [et al.] Experience at a casualty clearing station. Lancet, 1940, **2**: 443–5.—**Brunner, C.** [Experiments of Friedrich] In his Erfahr. Stud. Wundinfekt., Frauenfeld, 1898–99, 160.—**Burckhardt.** Ueber Wundausschneidung. Deut. Zschr. Chir., 1940, **254**: 249–61.—**Burdenko, N. N.** Primary excision and primary suture] Khirurgia, Moskva, 1938, No. 10, 6–23.—**Butler, A. G.** The treatment of large soft tissue injuries by excision and primary suture. Med. J. Australia, 1943, **1**: 197.—**Carrel, A., & Dehelly, G.** Débridement et nettoyage d'une plaie des parties molles. In their Traitem. plaies infect, 2. éd., Par., 1917, 91–4.—**Chaffin, L.** Treatment of wounds of soft parts. Bull. Am. Coll. Surgeons, 1942, **27**: 112–6.—**Charbonnier, A.** Généralités sur les plaies pénétrantes de l'abdomen en chirurgie de guerre. Rev. méd. Suisse rom., 1940, **60**: 357–82.—**Charlton, M. R.** Débridement. Mil. Surgeon, 1939, **85**: 129–34.—**Chevrier.** Nettoyage et désinfection des plaies de guerre par la haute-fréquence. Mém. Acad. chir., Par., 1940, **66**: 320.—**Clairmont, P.,** & **Meyer, P.** Zur Verhütung und Behandlung der pyogenen und putriden akzidenteller Wunden. Münch. med. Wschr., 1931, **78**: 1977; 2037; 2073.—**Conference** on the treatment of war wounds. Bull. War Med., Lond., 1941, **1**: 129–36.—**Curinova, E. G.** Pervićnaja khirurgićeskaja obrabotka ran. Med. sestra, Moskva, 1945, No. 7, 20–2.—**Davies, R. E. M.** The acid débridement of necrotic wounds. Pharm. J., Lond., 1948, **106**: 431.—**D'Harcourt, J.** [et al.] The closed plaster method of treatment; an account of its use during the Spanish War. Brit. M. J., 1940, **1**: 652–4.—**Durán, M. G.** La limpieza quirúrgica precoz de las heridas y sus consecuencias tardías. Coimbra méd., 1937, **4**: 312–28.—**Ehalt, W.** Behandlungsergebnisse von offenen Frakturen der langen Röhrenknochen. Arch. orthop. Chir., 1931, **29**: 586–617. ——— Die Behandlung frischer offener Brüche. Chirurg, 1937, **9**: 760–7. ——— Wundversorgung. In his Behandl. offen. Brüche langen Röhrenknoch., Wien, 1938, 16–26. ——— Können Infektionen nach frischen Zufallswunden vermieden werden? Münch. med. Wschr., 1938, 1309–12. ——— Ueber Wundausschneidung. Chirurg, 1941, **13**: 474–85.—**Ettorre, E.** Trattamento primario delle ferite di guerra. Atti Accad. med. lombarda, 1940, **29**: 461–81.—**Excision** of wounds. Bull. Army M. Dep., Lond., 1943, No. 19, 4.—**Franz, C. A. O.** [Wandexcisionen von Schusswunden] In his Lehrb. d. Kriegschir., 2. Aufl., Berl., 1936, 31. ——— Die primäre Wundbehandlung. Ibid., 70–3.—**Garber, N. I.** [Primary excision of freshly infected wounds in the light of experiment] Nov. khir. arkh., 1937, **38**: 298–300.—**Gay, E. C.** Skin dressings in the treatment of débrided wounds. Am. J. Surg., 1946, **72**: 212–8.—**Girgolav, S. S.** Dopolnitelnye meroprijatija pri khirurgićeskoj obrabotke rany. In: Opyt sovet. med. v Velik. oteć. vojne, Moskva, 1950, **1**: 120–2.—**Gordon-Taylor, G.** The abdominal injuries of warfare. Brit. M. J., 1939, **2**: 181; 235.—**Gorinevskaya, V. V.** [Preliminary treatment of wounds by excision followed by suture in industrial and street accidents] Sovet. khir., 1934, **6**: 123–40. ——— [Errors and complications in primary treatment and suturing of infected wounds] Nov. khir. arkh., 1937, **38**: 303–5.—**Gray, H. M. W.** Operative treatment of war wounds. In his Early Treatm. War Wounds, Lond., 1919, 143–73.—**Häbler, C.** Wie soll sich der praktische Arzt bei akzidentellen Wunden verhalten? Münch. med. Wschr., 1938, **85**: 473–5.—**Härtel, F.** Allgemeine chirurgische Technik im Kriege. Deut. med. Wschr., 1939, **65**: 1677–80.—**Hailes, W. A.** Excision and primary suture of wounds in war surgery. Austral. N. Zealand J. Surg., 1942–43, **12**: 64–7. ——— The treatment of large soft tissue injuries by excision and primary suture. Med. J. Australia, 1943, **1**: 135–7.—**Halford, A. C. F.** The

treatment of large soft tissue injuries by excision and primary suture. Ibid., 222.—**Hare, R.** Immobilization for infected wounds. Brit. M. J., 1940, **2**: 235.—**Hart, A. T.** War surgery in Spain. Ibid., 1939, **1**: 1099; 1146.—**Hayward.** Was verstcht man unter der Friedrichschen Wundexzision bei frischen Wunden und für welche Art von Verletzungen kommt dieses Verfahren in Betracht? Zschr. ärztl. Fortbild., 1939, **36**: 597–9.—**Heitz-Boyer.** Chirurgie de guerre et bistouri électrique; l'épluchage électrique des plaies; leur désinfection et leur nettoyage par la haute-fréquence, mécanisme d'action, technique opératoire, instrumentation. Mém. Acad. chir., Par., 1939, **65**: 1298–309. ——— Nettoyage et désinfection des plaies de guerre par la haute-fréquence; bistouri électrique et électrocoagulation. Ibid., 1940, **66**: 261–72.—**Heller, E.** Ueber die sogenannte Wundanfrischung nach Friedrich; primäre Wundnaht oder Offenhalten der Wunden? Chirurg, 1938, **10**: 497–501.—**Hellner, H.** Das Friedrichsche Experiment unter erschwerten Bedingungen. Arch. klin. Chir., 1941, **201**: 597–636. Also War Med., Chic., 1943, **3**: 658 (Abstr.) ——— Die Behandlung der Friedens- und Kriegswunde im Lichte des Friedrichschen Experimentes; eine Nachprüfung des Friedrichschen Versuches unter erschwerten Bedingungen. Chirurg, 1941, **13**: 465; 497. Also Praxis, Bern, 1942, **31**: 316 (Abstr.)—**Heusser, H.** Wundausschneidung, Wundanfrischung, Wundnaht. Praxis, Bern, 1940, **29**: 379.—**Heyl, J. H.** The treatment of compound fractures of the long bones. Ann. Surg., 1940, **111**: 470–90.—**Hoche, O.** Die wehrchirurgische Behandlung der Verwundeten. Med. Klin., 1939, **35**: 1363; passim.—**Holle, F., Dimmling, T.** [et al.] Experimentelle Untersuchungen über den Wert der postoperativen Penicillinprophylaxe für die primäre Wundversorgung nach Friedrich. Schweiz. med. Wschr., 1950, **80**: 84–7.—**Hufschmid & Eckert.** Primäre Wundexcision und primäre Naht. Beitr. klin. Chir., 1917, **106**: Kriegschir. H. 36, 147–66, illust.—**Jeffrey, J. S.** Treatment of war wounds in France, May–June 1940. Edinburgh M. J., 1940, **47**: 727–42.—**Kefalas, A.** A note on the removal of non-viable tissue. Practitioner, Lond., 1942, **148**: 369.—**Khromov, B. M.** Protivopokazanija k pervičnoj obrabotke ran. Voen. san. delo, 1940, No. 5, 77–81.—**Kirk, G. D., & Hershey, M. A.** The closure of débrided war wounds. Ohio M. J., 1946, **42**: 245–53.—**Kirschner, M.** Die Behandlung der Schussfrakturen unter dem Einfluss der Drahtextension. Chirurg, 1940, **12**: 25–51, fig.—**Kirtley, J. A.** A study of 60 cases of tetanus. Am. J. Surg., 1940, **49**: 480–3.—**König, F.** Aerztliche Versorgung der Zufallswunde. Münch. med. Wschr., 1939, **86**: 161–4.—**König, W.** Ueber primäre Wundbehandlung in der Wehrmacht unter Bekanntgabe von Heilergebnissen aus der Chirurgischen Universitätsklinik Bonn. Med. Klin., Berl., 1940, **36**: 844 (Abstr.)—**Krömer, K.** Technik der Wundausschneidung. In his Verletzte Hand, 2. Aufl., Wien, 1938, 22–7.—**Kuprijanov, P. A.** Khirurgičeskaja obrabotka ran. In: Kratkij kurs voen. polev. khir. (Kuprijanov, P. A., & Banaitis, S. I.) Moskva, 1942, 136–46.—**Laarmann, A.** Die Behandlung von Finger- und Zehenwunden. Deut. med. Wschr., 1937, **63**: 1651–4.—**Läwen, A., & Hesse, E.** Bakterienbefunde bei frischen Kriegsschussverletzungen und ihre klinische Bedeutung. Münch. med. Wschr., 1916, **63**: 688–91.—**Lebedenko, V. V.** Obosnovanija k khirurgičeskoj obrabotke ognestrelnoj travmy pozvonočnika. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 369–72.—**Lehtinen, V.** [Results of the wound revision of war injuries and factors influencing their prognosis] Duodecim, Helsin., 1940, **56**: 280–92.—**Lenormant, C.** Contreindications et indications de la suture primitive des plaies de guerre. Rev. Serv. santé mil., Par., 1940, **112**: 33–43.—**Leriche, R.** Après l'excision des plaies musculaires par projectiles de guerre; suture primitive, plâtre ou suture retardée. Presse méd., 1940, **48**: 1–3.—**Libov, L. L.** Lečenie ognestrelnyhh ran; tekhnika khirurgičeskoj obrabotki. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1950, **1**: 118–20.—**McKellar, C.** Débridement; a warning. Med. J. Australia, 1941, **2**: 526.—**Mackenzie, W.** Débridement. Brit. M. J., 1940, **2**: 503.—**Mittelman, A. S.** Opyt vtoričnoj khirurgičeskoj obrabotki ran v uslovijakh hospitalnoj bazy fronta. In: Voen. med. Leningr. fronte (Russia. Glavn. voen. san. upravl.) Moskva, 1946, 89–95.—**Monroe, C. W.** Debridement, when and how much? a comparative study of battle casualties. Bull. U. S. Army M. Dep., 1944, No. 77, 37–41. Also Surg. Gyn. Obst., 1944, **79**: 478–81.—**Moorhead, J. J.** War wounds. Proc. Interst. Postgrad. M. Ass. N. America (1942) 1943, 161–4.—**Noetzel, W.** Die Behandlung frischer Wunden; die Wundausschneidung nach Friedrich; die Tetanus-Vorbeugung. Zbl. Chir., 1938, **65**: 822–4. ——— Die Wundausschneidung. Chirurg, 1940, **12**: 739.—**Oehlecker, F.** Die missverstandene Wundausschneidung nach Friedrich. Ibid., 231–9. Also Münch. med. Wschr., 1940, **87**: 597 (Abstr.) Also War Med., Chic., 1943, **3**: 659 (Abstr.) ——— Die Wundausschneidung. Chirurg, 1940, **12**: 741. ——— Zur Frage der sogenannten Wundausschneidung. Ibid., 1941, **13**: 485–93.—**Ogilvie, W. H.** Débridement. Brit. M. J., 1940, **2**: 570. Also in his War primer on wound infection, Lond., 1940, 60.—**Page, C. M.** Misuse of the word débridement. Bull. War M., Lond., 1944–45, **5**: 422.—**Paterson.** Sepsis in war wounds of the limbs. Brit. M. J., 1942, **1**: 589–91.—**Pawlowski, B.** Współczesny pogląd na ranę wojenną, rsp. uszkodzenie wojenne. Lek. wojsk., 1943, **35**: 162–206.—**Payne, R. T.** Débridement. Brit. M. J., 1940, **2**: 503.—**Pearson, C. J. P.** Wound excision in H. M. ships. J. R. Nav. M. Serv., 1944, **30**: 86–8.—**Pichler, H.** Die Kieferschussbehandlung an der Wiener Klinik. Wien. klin. Wschr., 1940, **53**: 22–4.—**Platt, H.** War injuries of peripheral nerves. Postgrad. M. J., Lond., 1940, **16**: 256–9.—**Poate, H. R. G.** The question of excision and suture of wounds in war surgery. Austral. N. Zealand J. Surg., 1942–43, **12**: 143–6.—**Pomerantz, R. B.** Debridement; obsolescent stop gap, or essential treatment? Mil. Surgeon, 1949, **104**: 79–90.—**Rankin, F. W.** (Discussion) Bull. Am. Coll. Surg., 1942, **27**: 114.—**Redwitz, E. v.** Die Behandlung der frischen Wünde im Krieg und Frieden. Rück- und Ausblick. Chirurg, 1939, **11**: 737–43.—**Reimers, C.** Ueber die Versorgung von Bombenverletzten in einem Basislazarett; nach Erfahrungen auf dem chinesischen Kriegsschauplatz. Ibid., 1940, **12**: 145–52.—**Roberts, J. E. H.** War injurics of the chest. Postgrad. M. J., Lond., 1940, **16**: 79–83.—**Roux, G.** L'excision des plaies de guerre; son principe, son but, sa technique. Presse méd., 1939, **47**: 1381–3.—**Saegesser, M.** Die Wundrandexzision nach Friedrich. Schweiz. med. Wschr., 1940, **70**: 1128.—**Sampson, H. H.** Primary wound excision. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 93–104.—**Schöne, G.** Behandlung frischer Kriegswunden und Verhütung des Ausbruches der Wundinfektion. Handb. ärztl. Erfahr. Weltkriege, 1922, T. 1: 132–66.—**Schreus, H. T., & Peltzer, E.** Chemoprophylaxis of gas gangrene; experimental infection with soil in Friedrich's experiment. War Med., Chic., 1943, **3**: 678 (Abstr.)—**Schüle, F.** Ergebnisse primär-operativer Behandlung offener Weichteilverletzungen und die Gefahren dieser Versorgung. Deut. Zschr. Chir., 1935, **245**: 770–82.—**Siemeister, A.** Ein Beitrag zur Behandlung von Gelegenheitswunden aller Art unter besonderer Berücksichtigung ihrer Entstehung und Heilungstendenz nach primärem Verschluss der Wunde nach Wundexcision nach Friedrich. Arch. orthop. Unfallchir., 1938–39, **39**: 558–78.—**Soulié, J.** [et al.] La cure occlusive dans le traitement des fractures de guerre. J. chir., Par., 1940, **55**: 22–37.—**Surgical** (The) lessons of heavy fighting Lancet, Lond., 1940, **1**: 1052.—**Technique** (The) of wound excision. Bull. War M., Lond., 1942–43, **3**: 535.—**Tillett, W. S., Sherry, S.** [et al.] Streptococcal enzymatic débridement. Ann. Surg., 1950, **131**: 12–22, illust., pl.—**Trueta, J.** Wound excision. In his Principl. & Pract. War Surg., S. Louis, 1943, 214–27, illust. ——— & **Barnie, J. M.** The rationale of complete immobilization in treatment of infected wounds. Brit. M. J., 1940, **2**: 46–8.—**Tarnowsky, G. de, Pool, E. H., & Ney, K. W.** Débridement. In: Med. Dep. U. S. Army in the World War, Wash., 1927, **11**: Pt 1, 127; 155; 299; 981.—**Witt, J.** Die primäre Wundbehandlung mit Excision und Pyoktanin coeruleum Merck. Med. Klin., Berl., 1918, **14**: 213–5.—**Woodhall, B.** [Secondary débridement] Neurosurg. Rep. (OSRD) Wash., 1945, No. 68, 102.—**Wooler, G. H.** The primary treatment of wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 2–4.—**Woolsey, J. H.** Débridement. Am. J. Surg., 1951, **82**: 179–82.—**Zemgulys.** [Importance of the primary excision of a wound and the possibility of its application in future wars] Medicina, Kaunas, 1935, **16**: 549–54.—**Zurinova, E. G.** [The primary surgical treatment of wounds] Med. sestra, Moskva, 1945, No. 7, 20–2.—**Zur Verth, M.** Zeit und Technik der Wundausschneidung. Arch. klin. Chir., 1935, **183**: 349–53; Disc., 134. Also Zbl. Chir., 1935, **62**: 1604. ——— Zur Frage der Wundausschneidung. Chirurg, Berl., 1935, **7**: 473–7.

—— Field surgery.

Dubs, J. Die Feldchirurgie im schweizerischen Gefechts-Sanitätsdienst. 332p. 24cm. Zür., 1939.

Germany Heer. Sanitäts-Inspektion [Dokument] Az. 50c26S.-In.(II) 2628: Richtlinien für die Versorgung Verwundeter in den vorderen Sanitäts-Einrichtungen. 64 l. 20½cm. Berl., 1939.

Hagner, W. H. K. *Primäre Wundversorgung im Felde [Berlin] 17p. 21cm. Königsb., 1938.

Schirmbeck, S. *Primäre Wundversorgung im Kriege; gelten noch die v. Bergmann'schen Grundsätze? [Berlin] 43p. 20½cm. Pfaffenhofen, 1939.

Scotland. Midlothian Battalion Home Guard. Medical Officer. You and your comrades; front line treatment of wounds. 1. repr. 31p. 10½cm. Edinb., 1943.

Barondes, R. de R. War wounds at the surgical station. Northwest M., 1942, **41**: 343–6.—**Buzello, A.** Ueber die operative Wundversorgung im Felde. Jahrkurs. ärztl. Fortbild., 1943, **34**: H. 11–12, 65–76.—**Frey, E. K.** Ueber Wundversorgung im Gefechtsbereich. Chirurg, 1939, **11**: 808–13. Also Münch. med. Wschr., 1940, **87**: 76 (Abstr.)—**Georgievskaja, V. S.** [Certain principles in treatment of wounds during military operations] Sovet. med., 1941, **5**: No. 6, 19.—**Gontermann.** Ueber Wundbehandlung im Felde, ein Beitrag zur Wehrmedizin. Med. Klin., Berl., 1939, **35**: 1502.—**Heinemann-Grüder, C.** Wundbehandlung. In: Feldchirurgie (Käfer, H.) 2. Aufl., Dresd., 1941, 116–26. Also 6. Aufl., Dresd., 1943, 129–43.—**Iff, W.** Wundversorgung und Anästhesie im Felde. Praxis, Bern, 1943, **32**: 307; 383–6.—**[Instructions** in prophylaxis and treatment of wounds during military operations]

Sovet. med., 1940, No. 8, 33–8.—**Milostanov, N. N.** [Treatment of wounds in combat zone] Vrach. delo, 1940, **22**: 247–56.—**Moppert, G.** Le traitement de la plaie de guerre dans les formations chirurgicales de l'avant. Helvet. chir. acta, 1945, **12**: 433–5.—**Schöne, G.** Was bedeutet rechtzeitige Wundbehandlung an der Front? Med. Klin., Berl., 1939, **35**: 1333–5. ——— Vorbeugende operative Wundbehandlung an der Front. Ibid., 1940, **36**: 559; 588.—**Surgical** treatment of wounded men in advanced units. Ther. Gaz., Detr., 1918, 3. ser., **34**: 172–5.

—— Methods.

Beecher, H. K. Preoperatorio en heridos de guerra. An. cirug., B. Air., 1945, **4**: 783–806 (transl.)—**Bertagnoni.** Modern methods in the treatment of wounds; sulfanilamide injections and the thorough cleansing of wounds; new methods; working upon the germs from the interior outwards. Brit. J. Nurs., 1941, **89**: 39.—**Blaksley, J.** Supresión del apósito en las intervenciones quirúrgicas. Sem. méd., B. Air., 1917, **24**: 425.—**Capper, W. M.** Treatment of battle wounds; two-stage operation. Lancet, Lond., 1945, **1**: 587.—**Curtillet, E., Note, D.** [et al.] Pour la suture artérielle dans les plaies de guerre. Presse méd., 1945, **53**: 502.—**Florinsky, B. D.** [Prevention of suppurative complications of open wounds by surgical treatment] Sovet. khir., 1933, **4**: 359–63.—**Geselevič, A. M.** Operativnaja tekhnika aktivnoj khirurgičeskoj obrabotki ran. Voen. san. delo, 1941, No. 9, 10–6.—**Hendry, R. W., Gledhill, W. C., & Price, B. H.** Treatment of battle casualties; two-stage operation. Lancet, Lond., 1945, **1**: 618–21.—**Judin, S. S.** Principy i tekhnika khirurgičeskogo issečenija voennykh ran. In his Zametki voen. polev. khir., Moskva, 1943, 141.—**Krause, N. I.** [Treatment of wounds with special attention to the prevention of scar formation] Voen. san. delo, 1943, No. 11, 13–8.—**Läwen, A.** Ueber die Offenhaltung von Kriegsschusswunden durch behelfsmässig hergestellte Wundspreizen. Deut. Militärarzt, 1943, **8**: 1.—**Marino, H.** Observaciones de un cirujano en tiempo de guerra; el tratamiento actual de los heridos. Día méd., B. Air., 1945, **17**: 332–5.—**Mysh, V. M.** Drenaž i tamponirovanie ran. In his Materialy istor. khir. voen. vrem., Novosibirsk, 1947, 115–24.—**Oehlecker, F.** Die Behandlung der Friedens- und Kriegswunde. Chirurg, 1941, **13**: 537.—**Ogilvie, W. H.** The surgery of war wounds; a forecast, 1940, and a retrospect, 1945; the problems 1940. In his Surgery Orthodox, &c., Oxf., 1948, 204–11.—**Pikin, D. I.** [The treatment of fresh wounds by implantation of chemically treated tissue] Voen. san. delo, 1942, No. 8, 17–21.—**Porritt, A. E.** Orthopaedic surgery in treatment of wounds. Mil. Surgeon, 1944, **94**: 335.—**Schmoele, J. M., Huston, H. R.** [et al.] The surgical management of war wounds at U. S. Naval Base Hospital. U. S. Nav. M. Bull., 1943, **41**: 1525–39.—**Stoney, R. A.** Methods of removing projectiles and kindred foreign bodies. In: Surg. Mod. Warfare (Bailey, H.) 2. ed., Balt., 1942, **1**: 161–5.—**Surgical** procedures in military hospitals in Britain; treatment of wounds. Med. J. Australia, 1940, **2**: 483.—**Treatment** of war wounds by German surgeons. Brit. M. J., 1919, **1**: 317.—**Trueta, J.** The biological treatment of war wounds and fractures. In: War Surg. (Brit. M. Stud. Ass.) Lond., 1944, 11–5.—**Turner, A. C., Murray, A. A., & Fowler, G. A.** Treatment of battle casualties; two-stage operation. Lancet, Lond., 1945, **1**: 621.

—— Primary suture.

See also subheading (Excision)

Weyl, J. *Sur l'histoire des sutures primitives des plaies de guerre. 31p. 23½cm. Par., 1939.

Babb, F. S. Delayed primary closure of wounds. Minnesota M., 1949, **32**: 815.—**Barling, S., & Sampson, H. H.** Delayed primary and secondary suture of wounds. In: Surg. Modern Warf. (Bailey, H.) Edinb., 1940–41, 150–4; 2. ed., Balt., 1942, **1**: 166–70.—**Braine, J.** A propos de la suture primitive des plaies accidentelles dans la pratique courante du temps de paix. Bull. Soc. nat. chir., Par., 1933, **59**: 989–1000. ——— A propos des sutures primitives des plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 214–9. ——— & **Rouhier.** Dangers de la suture primitive dans les traumatismes ouverts du temps de paix. Ibid., 1939, **65**: 289–92.—**Bruner, J. M.** The immediate and early plastic closure of open wounds and raw surfaces. J. Iowa M. Soc., 1950, **40**: 7–9.—**Burdenko, N. N.** [Letters on the primary suture and primary treatment of wounds] Khirurgija, Moskva, 1938, No. 9, 3–12.—**Charles-Bloch, J.** A propos de la suture primitive des plaics de guerre. Mém. Acad. chir., Par., 1940, **66**: 212–4. Also Monaco méditer. méd., 1940, **7**: 71.—**Cleveland, M., & Grove, J. A.** Delayed primary closure of wounds with compound fractures. J. Bone Surg., 1945, **27**: 452–6.—**Curtillet, E., & Curtillet, A.** De la suture secondaire des plaies de guerre des parties molles; suture primitive retardée; suture secondaire précoce. Afrique fr. chir., 1943, **1**: 371–4.—**Delayed** primary suture. Brit. M. J., 1918, **2**: 526.—**Delayed** primary suture. Lancet, Lond., 1940, **2**: 656.—**Desplas, B.** Dangers de la suture primitive dans les traumatismes ouverts du temps de paix. Mém. Acad. chir., Par., 1939, **65**: 248–60. Also Rev. méd. fr., 1939, **20**: 353–8. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 95–109.—**Downs, T. M.** The suturing of clean wounds. U. S. Nav. M. Bull., 1943, **41**: 68–73.—**Duval, P.** A propos des sutures primitives. Gaz. hôp., 1940, **113**: 102. ——— Sur la suture primitive des plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 102–9. Also Russian transl. in Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 115–31.—**Edwards, H. C.** Revival of early wound closure; two-stage operation as applied in Italy. Lancet, Lond., 1945, **1**: 583–5.—**Entin, D. A.** [Postponed primary and secondary sutures of gunshot wounds] Voen. san. delo, 1943, No. 8, 33–7.—**Flesh** wounds primarily or secondarily sutured [tab.] In: Statist. Rep. Health of Army (Gr. Britain War Off.) Lond., 1948, 287.—**Freebody, D. F.** The value of early closure of wounds. Proc. R. Soc. M., Lond., 1944–45, **38**: 509.—**Garber, N. I., & Rachman, Z. I.** [Primary treatment of fresh wounds from the view-point of military field surgery] Khirurgia, Moskva, 1938, No. 7–8, 36–41.—**Gillespie, F. S.** Early closure of battle wounds. J. Canad. M. Serv., 1944–45, **2**: 517–20.—**Godier, H.** Po povodu pervičnogo šva. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 109–11.—**Goldhahn, R.** Wundnaht oder offene Wundbehandlung? Umschau, 1943, **47**: 85.—**Greenberg, M.** Primary suture of wounds. S. Afr. M. J., 1942, **16**: 145.—**Harbison, S. P., & Oden, L. H.,** jr. Split skin grafts in the early closure of wounds. Bull. U. S. Army M. Dep., 1946, **6**: 88–90.—**Heißitz, A. B.** [Preliminary treatment of wounds] Voen. san. delo, 1941, No. 11, 53–6.—**Hoche, J., & Monod, O.** L'activité d'un centre chirurgical de première urgence en septembre 1939, avec quelques considérations sur la suture primitive de plaies de guerre. Mém. Acad. chir., Par., 1940, **66**: 529–41.—**Ilčenko, P. J.** [Postponed primary and secondary sutures in gunshot wounds in the Army zone] Khirurgia, Moskva, 1944, No. 7, 37–42.—**Kak** postupat posle issečenija myšečnykh ran, nanesennykh voennymi snarjadami; pervičnyj šov, gipsovaja povjazka ili vtoričnyj šov. In: Zametki voen. polev. khir. (Judin, S. S.) Moskva, 1943, 131–40.—**Kirtley, J. A.,** jr, & **Trabue, C. C.** Report on delayed primary closure of wounds. Med. Bull. North Afr. Theater U. S., 1944, **1**: 10.—**Lawrie, R.** Primary closure of battle wounds of the face. Lancet, Lond., 1945, **1**: 625.—**Lenormant, C.** Contre-indications et indications de la suture primitive des plaies de guerre. Rev. Serv. san. mil., Par., 1940, **112**: 33–43.—**Maia, B.** Sutura primitiva das feridas. Impr. med., Rio, 1940, **16**: 1143–55. Also Rev. med. Pernambuco, 1940, **10**: 201–25.—**Masini, P.** A propos des sutures primitives. Mém. Acad. chir., Par., 1940, **66**: 230.—**Morris, J. H., & Martin, G. H.** Delayed primary closure of contaminated wounds; a report based on 46 cases. Surgery, 1949, **26**: 616–21.—**Mulder, J.** [Treatment of wounds in accidents with antiseptics and primary suturing] Ned. tschr. geneesk., 1931, **75**: pt 2, 2591–4.—**Murray, C. J. B.** Delayed primary suture of flesh wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 4.—**Néis, P.** Suture primitive des plaies accidentelles. Clinique, Par., 1933, **28**: 365.—**Poljakov, K. L.** Vlijanie eksperimentalnogo sna na zaživlenie ran (zaživlenie defektov kože u čeloveka) Voen. med. sborn., 1945, No. 2, 223–33.—**Primal** sutures of wounds. J. Am. M. Ass., 1939, **113**: 1579.—**Primary** closure of wounds. Bull. U. S. Army M. Dep., 1943, No. 69, 8.—**Problem** (The) of the suturable wound. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6209, 1–5.—**Raven, R. W.** Wound closure by delayed primary suture. Med. Press & Circ., Lond., 1945, **214**: 298–301. ——— Factors influencing the closure of battle wounds. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 145–8.—**Ribollet.** Considérations au sujet de quelques cas de suture primitive des plaies. Maroc. méd., 1940, **20**: 12–5; Disc., 73.—**Roux-Berger, J. L., & Senlecq, L.** Dangers des sutures primitives et des esquillectomies insuffisantes. Mém. Acad. chir., Par., 1940, **66**: 61–7. Also Gaz. hôp., 1940, **113**: 81.—**Roy, T. E., Hamilton, J. D., & Greenberg, L.** A study of 109 war wounds closed by primary suture. Proc. Com. Army M. Res. [Canada] 1945, 8. meet., No. 2, C.6216, 1–25.—**Sarjeant, T. R., & Morton, W. A.** Delayed suture of soft-tissue wounds. Lancet, Lond., 1944, **2**: 333–6.—**Stöhr, F.** Wann ist die primäre Wundnaht indiziert und wie soll sie durchgeführt werden? wann soll die offene Wundbehandlung durchgeführt werden? Aerztl. Prax., Wien, 1932, **6**: 106. Also Wien. klin. Wschr., 1932, **45**: 178.—**Tikhomirov, I.** Pervičnyj šov. In: Encikl. slovar voen. med., Moskva, 1946–48, **4**: 388–90.—**Trubshaw, W. H. D.** Routine delayed primary suture of wounds. S. Afr. M. J., 1945, **19**: 130–2.—**Trueta, J.** Primary suture of war wounds. Lancet, Lond., 1940, **1**: 758. ——— Primary and secondary sutures. In his Principl. & Pract. War Surg., S. Louis, 1943, 284–9, illust.—**Tuomikoski, V.** Missä olosuhteissa ampumahaavain ompeleminen on mahdollinen [Under what conditions is suturing of war wounds possible] Duodecim, Helsin., 1948, **64**: 286–95.—**Vassitch.** A propos des dangers de la suture primitive dans les traumatismes ouverts du temps de paix. Mém. Acad. chir., Par., 1939, **65**: 856–61.—**Young, F., & Favata, B. V.** Suture of wounds by plasma-thrombin adhesion. War Med., Chic., 1944, **6**: 80–5.

—— Secondary suture.

Antelava, N. V. [Use of the secondary suture in wounds of the soft tissue in evacuation hospitals] Khirurgia, Moskva, 1944, No. 5, 22–5.—**Arjev, T. J.** Vtoričnaja orbabotka ran; vtoričnye švy. In: Opyt sovet. med. v Velik. otеč. vojne, Moskva, 1950, **1**: 141–68.—**Bentley, F. H.** The treatment of flesh wounds by early secondary suture and penicillin. Brit. J. Surg., 1944–45, **32**: 132–9.—**Bhatia, D.** Delayed and secondary suture of war wounds. Lancet, Lond., 1945, **1**: 624.—

Burdenko, N. N. [Secondary suture as an element of restorative surgery] Voen. san. delo, 1943, No. 5, 16–32.—**Clarkson, P.** Late closure of wounds. Lancet, Lond., 1944, **2**: 395–400. Also Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 17–20.—**Crile, G.** Secondary closure of wounds. Cleveland Clin. Q., 1944, **11**: 1–5.—**Cutler, E. C.** Secondary suture. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1943, No. 12, 22.—**Debeyre, A.** L'évolution de la plaie de guerre; suture secondaire. Echo méd. nord, 1935, 3. ser., **3**: 365–84.—**Early** secondary suture of war wounds. J. Am. M. Ass., 1918, **70**: 554.—**Garber, N. I.** [Resection of wounds after primary healing] Sovet. med., 1939, 22–5.—**Harbison, S. P.** Secondary closure of war wounds with early healing and return to duty. Washington Univ. M. Alumni Q., 1945–46, **9**: 58–64.—**Kosogljad, A. A.** Vtoričnyj šov i ego effektivnost na materiale N-skogo evakohospitalja. In: Sborn. nauch. rabot evakohosp. (Tadzhik. Narkomzdrav.) Stalinabad, 1945, 108–13.—**Lagasse.** La suture secondaire des plaies de guerre traitées par la méthode Carrel. Tr. Ambul. Océan, La Panne, 1917, **1**: 85–104.—**Lawrence, K. B., & Sturgis, S. H.** Secondary suture of war wounds; a study of methods and results in an overseas general hospital. Surg. Gyn. Obst., 1946, **82**: 543–8.—**Loubejac, A. M.** La táctica de la sutura secundaria en las heridas contusas. Arch. urug. med., 1941, **19**: 617–22. Also Bol. Soc. cir. Montevideo, 1941, **12**: 87–92.—**Lowry, K. F.** Application of delayed suture in the management of wounds. Arch. Surg., 1948, **56**: 398–400.—**Lyons, C.** The use of chemotherapy in the secondary closure of war wounds of soft parts. Surgery, 1946, **19**: 275.—**Macpherson, A. I. S.** Delayed suture of soft tissue wounds. Lancet, Lond., 1944, **2**: 43.—**Makarov, M. P.** O vtoričnom šve. In: Vopr. khir. voiny (Gork. gosud. med. inst.) Gorky, 1946, 347–50.—**Meranov, L. V.** [The secondary suture in Army hospitals for the slightly wounded] Voen. san. delo, 1943, No. 11, 18–24.—**Mira, J. J.** The role of secondary closures in the management of war wounds. J. Kansas M. Soc., 1946, **47**: 199–202.—**Mnacakanov, I. I.** [Secondary sutures on granulating wounds] Hosp. delo, 1945, No. 1, 28.—**Moore, T.** The treatment of G. S. W.'s by secondary excision and suture. Proc. Congr. Army Surgeons Centr. Mediter. Forces, 1945, 20.—**Otto, T. O.** Wound closure without the use of grafts. Tr. South. Surg. Ass. (1946) 1947, **58**: 274–83. Also Ann. Surg., 1947, **125**: 778–87.—**Overton, L. M.** The management of open wounds as exemplified in the present European combat. Surg. Gyn. Obst., 1942, **75**: Suppl., 195–205.—**Patrick, W.** Treatment of wounds by delayed suture. Brit. M. J., 1944, **2**: 788–90. ——— The delayed suture of wounds. Nurs. Mirror, Lond., 1945, **81**: 313; 331.—**Rounds, R. C.** Delayed suture of wounds associated with fractures. Rocky Mountain M. J., 1946, **43**: 216–9.—**Roy, T. E., Hamilton, J. D., & Greenberg, L.** A study of 300 war wounds closed by delayed suture in relation to bacteriology, wound factors, chemotherapy, and healing. Proc. Com. Army M. Rec. [Canada] 1945, 8. meet., No. 2, C.6211, 1–45.—**Rubcova, E. M.** Primenenie vtoričnogo šva. In: Sborn. nauch. rabot N-skogo evakohosp. (Dikovicky, A. A.) Gorky, 1943, 21–32.—**Rusbridge, H. W., Krajeski, D. S., & Silver, C. M.** Delayed closure of war wounds. Med. Bull. North Afr. Theater U. S., 1944, **1**: 11–3.—**Sazontov, V. I., & Schwarzberg, E. M.** O vtoričnom i etapnom sbliženii kraev ran. Tr. Evakohosp., Leningr., 1943, No. 2, 12–6.—**Secondary** closure of war wounds. Med. Bull. U. S. Chief Surg. Europ. Theatre, 1944, No. 24, 1. Also Med. Bull. North Afr. Theater U. S., 1944, **1**: No. 5, 12.—**Stammers, F. A. R.** The policy of delayed suture; rôle of the forward surgeon. Lancet, Lond., 1945, **1**: 586.—**Stonham, F. V.** The late treatment of war wounds. Med. J. Australia, 1942, **1**: 611–6.—**Tolčenov, A. I.** Vtoričnyj šov s anestcziej novokainom v rastvore rivanola. In: Vopr. khir. voiny (Gork. gosud. med. inst.) Gorky, 1946, 351–6.—**Volkmann, J.** Ueber Sofortnaht, Frühnaht, Spätnaht. Zbl. Chir., 1942, **69**: 1043.—**Vulfović, M.** Vtoričnyj šov. In: Encikl. slovar voen. med., Moskva, 1946–48, **1**: 1064–8.—**Whelan, C. S., & Thompson, W. D.,** jr. Skin grafting and secondary closure in war wounds; a preliminary report. Surg. Gyn. Obst., 1944, **79**: 584–8.—**Wilson, H.** Secondary suture of war wounds; a clinical study of 305 secondary closures. Ann. Surg., 1945, **121**: 152–6. Also Spanish transl., An. cirug., B. Air., 1945, **4**: 157–60. ——— **& Threadgill, F. D.** Secondary suture of war wounds. Bull. U. S. Army M. Dep., 1944, No. 82, 77–80.—**Zinninger, M. M.** The use of secondary suture in civil practice. Surg. Gyn. Obst., 1929, **48**: 551–4.

WRANGEL'S Army.

See **Wars and campaigns**, 1917–1920: Russian Civil War.

WRIST.

See also **Extremity; Fracture**—by site: Forearm and hand; **Hand; Radial nerve.**

McNee, J. W. Salt water boils and their prevention. J. R. Nav. M. Serv., 1941, **27**: 73.—**Pygott, F.** Wrist injuries in service patients. Brit. J. Radiol., 1946, **19**: 381—**Tosti, A.** La foruncolosi dei polsi. Gior. med. mil., 1949, **96**: 511–3.

WRIST-DROP.

See under **Radial nerve.**

WRITING.

Bingel, A. G. A. Investigations of handwriting forces. Q. Res. Rep. U. S. School Aviat. M., 1948, Apr., 9; Oct., 4; 1949, Jan., 4. ——— **& Maier-Leibnitz, H.** Investigations of handwriting-pressure. Ibid., 1947, Oct., 12; 1948, Jan., 7.

——— **professional.**

United States. Veterans Administration. Technical bulletin TB 10A–208: Professional papers and theses. 4p. 26½cm. Wash., 1949.

Praise (On) and criticism. Mil. Surgeon, 1942, **91**: 356.—**Schwartz, J. L.** Medical writings. Hosp. Corps Q., 1949, **22**: No. 2, 33–41.—**Writing** (On the) of journal articles Mil. Surgeon, 1942, **91**: 592.

WRY-NECK.

See **Torticollis.**

WUCHERERIA.

See also **Filariasis.**

United States. War Department. Technical bulletin TB MED 142: Filariasis (Wuchereria) with special reference to early stages. 10p. 26cm. Wash., 1945.

Filariasis (Wuchereria) with special reference to early stages. Bull. U. S. Army M. Dep., 1945, **4**: 294–6.—**Goodman, A. A., Weinberger, E. M.** [et al.] Studies of filariasis in soldiers evacuated from the South Pacific. Ann. Int. M., 1945, **23**: 823–36.—**Hodge, I. G., Denhoff, E., & Vander Veer, J. B.** Early filariasis (bancrofti) in American soldiers. Am. J. M. Sc., 1945, **210**: 207–23.—**O'Connor, F. W., Golden, R., & Auchincloss, H.** The Röntgen demonstration of calcified Filaria bancrofti in human tissue. U. S. Nav. M. Bull., 1931, **29**: 17–25.—**S., J. J.** Epidemiological observations on filariasis (due to W. bancrofti) in the military forces in the Pacific Area. Bumed News Lett., Wash., 1944, **4**: 1–5.—**Vianna Martins, A.** Estudos sobre a filariose de bancrofti na região amazônica. Rev. med. mil., Rio, 1944, **33**: 223–32.—**Webb, J. E., & Nelson, E. C.** Development of Wuchereria bancrofti from Okinawans in Culex quinquefaciatus of Oahu. J. Mil. M. Pacific, 1945, **1**: No. 4, 55–63.

XANTHOMA.

Diamond, J. L. Xanthoma diabeticorum. Med. Bull. Veterans Admin., 1943–44, **20**: 225.—**Stein, M. F.** Xanthoma tuberosum multiplex. Ibid., 1934, **10**: 345–8.—**Tepperberg, I.** Xanthoma tuberosum multiplex associated with coronary heart disease. Ibid., 1941–42, **18**: 438–40.

XANTHOPROTEIN.

Almeyda Arroyo, R. La reacción xantoproteica y su valor en clínica. Rev. san. nav., Valparaiso, 1938, **8**: 73–95.

X-RAY.

See **Radiation gamma.**

X-RAY couch.

See under **Radiology,** Apparatus: Various devices.

X-RAY diffraction.

See **Radiology,** Methods.

X-RAY film.

See **Radiograph.**

X-RAY table.

See under **Radiography,** Apparatus: Devices.

XYLIDRIN.

Kleiderer, I. C., Conquest, V., & Williams, J. H. Xylidrin. CIOS Rep., Lond., 1945, Item 24, No. XXVII–48, 15.

YAWS.

See **Frambesia.**

YEAST.

Great Britain. Privy Council. Medical Research Council. Accessory Food Factors

COMMITTEE. Food yeast; a survey of its nutritive value. 16p. 24½cm. Lond., 1945.
Forms No. 16, War. Mem., Med. Res. Counc. Privy Counc. Gr. Britain.

Maršak, M. S. Opyt lečebnogo primeneniia sukhogo hematogena i drožžej. Voen. med. J., Moskva, 1945, March, 33–7.

YELLOW fever.

Bejarano, J. F. R. Información sobre fiebre amarilla y paludismo. Rev. san. mil., B. Air., 1946, **45**: 728–31.—**Belikov, L.** Zheltaja likhoradka (febris flava; yellow fever) In: Enciklopedicheskij slovar voen. med., Moskva, 1946–48, **2**: 627–31.—**Dutt, P. K.** War and yellow fever. Bengal Pub. Health J., 1939–40, **1**: 55.—**Faust, E. C.** Yellow fever, dengue and sandfly fever. Northwest M., 1943, **42**: 315–21.—**Gorgas, W. C.** Recent experiences of the United States Army with regard to sanitation of yellow fever in the tropics. C. rend. Congr. égypt. méd. (1902) 1904, 1. Congr., **1**: 144–53.—**Höring.** Ueber städtisches Gelbfieber und Dschungelfieber. Ber. Arbeitstag. Ost berat. Fachärzte, 1943, 3. Congr., 112. Also English transl., Conf. Med. Consultants to Wehrmacht, 3. Conf. (1943) 1948, Proj. 1, pt 5, 128–30.—**La Terza, E.** La febbre gialla. Ann. med. nav., Roma, 1933, **39**: pt 1, 192–210.—**Lloyd, B. J.** Yellow fever; yesterday, today, and tomorrow. Mil. Surgeon, 1937, **81**: 81–8.—**Martín Salazar, M.** Ultimos progresos sobre la fiebre amarilla. Rev. san. mil., Madr., 1936, **26**: 1–3.—**Mazzeo, M.** Acquisizioni recenti nel campo della febbre gialla. Gior. med. mil., 1938, **86**: 1251–71.—**Pereira de Mello, S. T.** A febre amarela, historia e evolução. Rev. med. mil., Rio, 1942, **31**: 287–98. ——— A forma silvestre da febre amarela. Ibid., 1944, **33**: 443–8. ——— O virus da febre amarela. Ibid., 1943, **32**: 474–6.—**Plazy.** Du rôle des médecins de la marine dans l'étude de la fièvre jaune. Arch. méd. pharm. nav., 1930, **120**: 245–61.—**Rho, F.** Nefriti e nefrosi e la caratteristica epatonefrosi della febbre gialla. Ann. med. nav., Roma, 1931, **37**: pt 1, 121–7.—**Salazar, M.** Los últimos progresos sobre la fiebre amarilla. Rev. san. mil., Madr., 1932, **22**: 1–4.—**Still, J.** The significance of yellow fever. J. R. Army M. Corps, 1933, **61**: 268–80.—**Yellow** fever. Ibid., 1936, **67**: 395–9.

—— Control.

Antunes, W. S. Field control in yellow fever. Proc. Internat. Congr. Trop. M., 1948, 4. Congr., **1**: 498–505. Also Abstr. Internat. Congr. Trop. M. Malaria, 1948, 4. Congr., 38.—**Control** of yellow fever. Bull. Army M. Dep., Lond., 1944, No. 41, 2.—**Ireland, M. W.** The conquest of yellow fever. Mil. Surgeon, 1929, **44**: 244–51.—**Menace** (The) of yellow fever. J. R. Nav. M. Serv., 1935, **21**: 28–34.—**Ministerio** de Guerra, Servicio de profilaxis de fiebre amarilla; instrucciones que reglamentan el empleo de la viscerotomia en el Ejército. In: Memoria (Venezuela Min. san.) Caracas, 1937, 385–7.—**Reitano, U.** Navigazione aerea e febbre gialla. Gior. med. mil., 1931, **79**: 539–43.—**Williams, C. L.** Yellow fever control during the war. Am. J. Trop. M., 1944, **24**: 245–7.—**Winter, F. A.** The romantic side of the conquest of yellow fever. Mil. Surgeon, 1927, **61**: 438–52.—**Yellow** fever. J. R. Army M. Corps, 1938, **71**: 261–5.

—— Immunization.

ROWLAND, L. S. Scotopic vision in patients with jaundice following yellow fever inoculations. 7p. 27cm. Randolph Field, 1942.
Forms Rep. No. 1, Proj. No. 79, U. S. Air Force School Aviat. M.

UNITED STATES. NAVY DEPARTMENT. BUREAU OF MEDICINE AND SURGERY. Immunization of all personnel against yellow fever; direction for use of yellow fever vaccine. 4p. 26½cm. Wash., 1941.

Bieling & Oelrichs. Yellow fever vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXII–13, 7.—**DeVeer, J. A., & Matzner, M. J.** Postvaccinal (yellow fever) jaundice; report of a fatal case. U. S. Nav. M. Bull., 1944, **42**: 1381–7.—**Directions** for use of yellow fever vaccine in immunization against yellow fever. War Med., Chic., 1941, **1**: 429–31.—**Findlay, G. M.** La inmunización contra la fiebre amarilla. Rev. san. mil., B. Air., 1938, **37**: 122–6.—**Jones, T. C., & Maurer, F. D.** Attempts to produce jaundice in horses by inoculation of yellow fever vaccine. Bull. U. S. Army M. Dep., 1944, No. 76, 115–20.—**Loza, J. C.** Profilaxis y prevención de la fiebre amarilla. Rev. san. mil., B. Air., 1946, **45**: 498–501.—**Salazar, M.** Protección contra la fiebre amarilla. Rev. san. mil., Madr., 1933, **23**: 65.—**Sawyer, W. A., Meyer, K. F.** [et al.] Jaundice in Army personnel in the western region of the United States and its relation to vaccination against yellow fever. Am. J. Hyg., 1944, **39**: 337; **40**: 35.—**Schlumberger, H. E., Soles, E. P., & Smadel, J. E.** Preparation of yellow fever vaccine. CIOS Rep., Lond., 1945, Item 24, No. XXIV–5, 8.—**Sulzberger, M. B., & Asher, C.** Urticarial and erythema multiforme-like eruptions following injections of yellow fever vaccine. U. S. Nav. M. Bull., 1942, **40**: 411–4.—**Truitt, G. W.** Skin reaction to yellow fever vaccine. Air Surgeon Bull., 1945, **2**: 382.—**Vaccinating** U. S. troops against yellow fever. Science News Lett., 1941, **39**: 168.—**Vaccination** against yellow fever. Army M. Bull., 1941, **56**: 73.—**Yellow** fever. J. R. Army M. Corps, 1939, **74**: 249–52.—**Yellow** fever immunization. J. Am. M. Ass., 1944, **125**: 497.—**Yellow** fever immunization for all Army personnel. Ibid., 1942, **118**: 737.—**Yellow** fever inoculation. Bull. Army M. Dep., Lond., 1945, No. 46, 5.—**Yellow-fever** vaccine. Ibid., 1942, No. 15, 6. Also Select. Army M. Dep. Bull., Lond. (1941–42) 1943, 48.

—— Incidence.

Andrieu, G. R. J. J., & Mauvais, F. E. R. Les acquisitions récentes concernant l'épidémiologie de la fièvre jaune. Rev. Serv. san. mil., Par., 1938, **108**: 179–204.—**Bejarano, J. F. R.** Consideraciones sobre la fiebre amarilla en América del Sur. Rev. san. mil., B. Air., 1944, **43**: 771–96. ——— La fiebre amarilla y la Repúbliea Argentina. Rev. san. mil. argent., 1948, **47**: 58–75, tab.—**Bryson, A.** Yellow fever; fever in the Sybille (1827) J. R. Nav. M. Serv., 1939, **25**: 100–4.—**Canton.** La fièvre jaune dans la circonscription de Dakar et dépendances. Arch. méd. pharm. nav., 1939, **129**: 387–410.—**Dudley, S. F.** Yellow fever, as seen by the medical officers of the Royal Navy in the nineteenth century. J. R. Nav. M. Serv., 1933, **19**: 151–65. ——— Can yellow fever spread into Asia? an essay on the ecology of mosquito-borne disease. Ibid., 1935, **21**: 16–28.—**Emmett, J. E.** Yellow fever; a survey to the present. U. S. Nav. M. Bull., 1943, **41**: 575–93.—**Haagen, E.** Epidemiologie und Bekämpfung des Gelbfiebers. Veröff. Marine San., 1942, H. 34, 96–102.—**Lull, G. F.** The yellow fever epidemic of '67. Mil. Surgeon, 1935, **76**: 318–21.—**MacLeod, W.** Outbreak of yellow fever, 1859. J. R. Nav. M. Serv., 1933, **19**: 186–200.—**Praguer Frões, H.** O estado de guerra e o problema mundial da febre amarela com especial referência ao Brasil. Brasil med., 1943, **57**: 284; 314; 335.—**Yellow** fever. J. R. Army M. Corps, 1935, **65**: 392–6. **Yellow** fever. Prev. Med. in World War II, Wash., 1948, **9**: Tab. A, 19.—**Yellow** fever in the Sudan. J. R. Army M. Corps, 1941, **77**: 314.

—— Treatment.

Pereira de Mello, S. T. A prova de sero-proteção na febre amarela. Rev. med. mil., Rio, 1944, **33**: 56–8.—**Sellards, A. W., & McCann, W. S.** Choline hydrochloride in experimental yellow fever in rhesus monkeys. U. S. Nav. M. Bull., 1944, **43**: 420–2.

YOUTH.

See also War, subheadings (Effect on children; Effect on school hygiene and education)

UNITED STATES. CHILDREN'S BUREAU. Protecting the health of young workers in wartime. 10p. 23½cm. Wash., 1943.

UNITED STATES. CHILDREN'S BUREAU. GENERAL ADVISORY COMMITTEE ON PROTECTION OF YOUNG WORKERS. SUBCOMMITTEE ON YOUNG WORKERS IN WARTIME AGRICULTURE. Recommendations made at meeting held Nov. 13–14, 1942, on community planning, on supervision of young workers, and on safety insurance standards 20p. 27cm. Wash., 1943.

Abbott, J. D. The community and its youth in wartime. J. Social Hyg., 1943, **29**: 511–20.—**Beverly, B. I.** The reactions of children and youth to wartime. J. Pediat., S. Louis, 1942, **20**: 665–72.—**Ehrhardt, J.** Die Lage der gefährdeten und verwahrlosten Grosstadtjugend in Deutschland nach dem Kriege. Rev. internat. cnf., Genève, 1929, **8**: 796–815.—**Frias, A., R.** Preparación pre-militar. Rev. mil., La Paz, 1941, **5**: 1119–21.—**Friedman, M. H.** Rural youth and World War II. J. Am. M. Ass., 1948, **136**: 775–7.—**Lidsky, Y. V.** Fizičeskoe razvitie i sostojanie zdorovja molodeži USSR. Voen. san. delo, 1940, No. 8, 46–52.—**Liebenow.** Die Gesundheitsführung der Hitler-Jugend im Kriege. Ausländ. Deut. Medizinertreffen (1942) 1944, 1. Congr., 172–82.—**Maddocks, R.** Teen age program for young war workers. J. Phys. Educ., N. Y., 1942–43, **40**: 106.—**Moldenhauer.** Jugendhygiene nach dem Kriege. Zschr. Schulgesundh., 1915, **28**: 449–51.—**Pearlman, L. M., & Eskin, L.** Teen-age youth in the wartime labor force. Month. Labor Rev., 1945, **60**: 6–17.—**Pritchard, R., & Rosenzweig, S.** The effects of war stress upon childhood and youth. J. Abnorm. Psychol., 1942, **37**: 329–44.—**Protecting** the health of young workers in wartime. Michigan Pub. Health, 1943, **31**: 83–7.—**Ruyter, T. H. de.** Massenpsychologische und psychopathologische Erscheinungen beim Kinde und Jugendlichen während des Krieges und der Nachkriegszeit. Zschr. Kinderpsychiat., Basel, 1946–47, **13**: 205–20.—**Scratch, T. I.** A 14-year-old can help. Am. J. Nurs., 1942, **42**: 1015.—**Shevjakov, G. V.** War and adolescents. J. Psychol., Provincet., 1942, **14**: 161–79.—**Standards** for young war workers. Month. Labor Rev., 1943, **56**: 694–7.—**Wild, B. T.** War and the problems of youth. Yearb. Texas Soc. Ment. Hyg., 1942, 15–8.—**Winnicott, D. W.** Children's hostels in war and peace. Brit. J. M. Psychol., 1947–48, **21**: 175–80.—**Young** workers and war jobs. Statist. Bull. Metrop. Life Insur., 1943, **24**: No. 4, 1–3.—**Young** workers in the wartime labor market. Child, Wash., 1944–45, **9**: 72–6.—**Zillmer, A.** The parents' part in wartime. Wisconsin Bd Health Q. Bull., 1942 **7**: 28–30.

YPERITE.

See **Decontamination**—of clothing; **Gas poisoning, Tear gas; Mustard gas.**

ZINC.

Artur. Note sur quelques cas d'intoxication par les vapeurs de zinc. Arch. méd. pharm. nav., 1929, **119:** 547–59.—**Kandatu, K.** Aen oyobi aen gan-yū toryō narabi-ni magnesium no irigaku-teki sayō. [The medicophysical action of zinc and paint containing zinc and of magnesium] Kaigun gun-ikai zassi, 1936, **25:** 443–57, 4 pl.—**Nicolai, C. N.** Zinc poisoning; four cases. Hosp. Corps Q., 1949, **22:** No. 3, 46.

ZONE.

See also **Canal Zone; Combat zone; Communications zone; Panama Canal Zone;** also such terms as **Area; Base; Depot; Training center.**

Maslinkovsky, T. Voennyj okrug. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 950–2.

—— Zone of interior.

MORGAN, E. J., & WAGNER, D. O. The organization of the Medical Department in the Zone of the Interior. 182p. 27cm. Wash., 1946.

Abramov, P. Armejskij tyl. In: Encikl. slovar voen. med., Moskva, 1946–48, **1:** 257–62.

ZOOLOGY.

See also **Veterinary service.**

Breukelman, J. Relation of zoology to the war effort. Tr. Kansas Acad. Sc., 1943, **46:** 294–7.—**Congresso** (4.) internacional de zootecnia. Rev. mil. med. vet., Rio, 1939, **2:** 877–9.—**Hindle, E.** Zoologists in war and peace. Advance. Sc., Lond., 1946–47, **4:** 179–86.—**McKenney, F. D.** Wartime problems of zoological gardens. J. Am. Vet. M. Ass., 1943, **102:** 190–2.—**Schwartz, B.** Zooparasites in relation to production of meat and other animal products in wartime. Ibid., 1945, **106:** 331–5.

ZOSTER.

Castro, Santayana de. Zona (herpes zoster) Rev. med. mil., Rio, 1944, **33:** 391–3.—**Director, W.** Zoster with varicelliform eruption; report of a case. U. S. Nav. M. Bull., 1944, **42:** 186.—**Doleman, F. T.** Simultaneous manifestation of herpes zoster and varicella. J. R. Nav. M. Serv., 1941, **27:** 309.—**Ettinger, A.** [Herpes zoster and small pox] Lek. wojsk., 1931, **17:** 207–14.—**Fergusson, A. G.** Herpes zoster, with associated generalized varicelliform eruption. J. R. Army M. Corps, 1941, **76:** 233–6.—**Henderson, A. T., Young, D. C., & Kempton, G. B.** Herpes zoster with concurrent encephalitis; report of a case. U. S. Armed Forces M. J., 1950, **1:** 222–4.—**Horton, S. H.,** jr. Herpes zoster following exposure to varicella; treatment of herpes zoster with cowpox vaccine. U. S. Nav. M. Bull., 1948, **48:** 742–9.—**Joltrain.** Le traitement du zona. Arch. méd. pharm. nav., 1939, **129:** 468.—**Kemal Arikan** [Zona and cases of varicella] Askeri sihhiye mecmuasi, 1941, **70:** No. 33, 45–7.—**Lasché, P. G., & Toms, R. E.** Herpes zoster in early syphilis. Med. Bull. Veterans Admin., 1939–40, **16:** 253–6.—**Lemmon, G. B.,** jr. Herpes zoster with motor involvement; report of a case. U. S. Nav. M. Bull., 1944, **43:** 357–9.—**Lloyd-Williams, I. H.** On the relationship between varicella and herpes zoster. J. R. Army M. Corps, 1938, **70:** 267.—**Mallows, H. R.** Zoster lymphadenitis. J. R. Nav. M. Serv., 1948, **34:** 152.—**Melnotte, P.** Un cas de méningite zonateuse. Bull. Soc. méd. mil. fr., 1929, **23:** 189–94.—**Nattkemper, R. L.** Herpetic inflammation of geniculate and glossopharyngeal ganglia; case report. U. S. Nav. M. Bull., 1932, **30:** 35–7.—**Rodinò, N.** Zoster e varicella. Gior. med. mil., 1938, **86:** 723–9.—**Rosow, H. M.** Herpes zoster with a motor complication. Med. Bull. Veterans Admin., 1943–44, **20:** 350.—**Visani, A.** Sulle complicanze meningee e meningoencefaliche da herpes zoster. Gior. med. mil., 1948, **95:** 459–68.

ZYGOMA.

Alling, E. E. Depressed fractures of the zygoma. Med. Bull. Europ. Command, 1949, **6:** No. 12, 8.—**Amaral, O., & Vieira Filho, O.** Considerações acêrca de cinco casos de fratura do malar. Rev. med. mil., Rio, 1944, **33:** 389.—**Christiansen, G. W., & Bradley, J. L.** Treatment of depressed fracture of the zygomatic arch by the Gillies method. U. S. Nav. M. Bull., 1945, **44:** 1066–8. ——— Bilateral depressed fracture of the zygoma. Ibid., **45:** 153–5.—**Guilbert.** Réduction des fractures de l'os malaire par voie temporale, procédé de Gillies; appareil de prothèse de contention pour les fractures de l'os malaire. Rev. méd. nav., Par., 1948, **3:** 209–13, 2 pl.—**Larson, A. B.** Fracture of the zygoma. U. S. Nav. M. Bull., 1945, **45:** 1151–4.—**Richison, F. A.** Treatment of malar and zygomatic fractures. Ibid., 1939, **37:** 566–71, pl.—**Robin, P. A.** Radiographic demonstration of the zygomatic arch. Bull. U. S. Army M. Dep., 1945, No. 88, 116.—**Smith, G. G.** Management of malar bone fractures; a report of 15 cases. Surg. Staff Semin. Minneapolis Veterans Hosp., 1948, **5:** 1–11.

[END OF MILITARY SECTION]

MILITARY Surgeon. Wash., v.1, 1891–
Title varies: v.1–3, 1891–93, **Transactions of the Association of Military Surgeons**; v.4–9, 1894–1900, **Proceedings of the Association of Military Surgeons**; v.10–19, 1901–1906, **Journal of the Association of Military Surgeons.**

MILITCH, Branka, 1905– *Contribution à l'étude du traitement chirurgical des fractures de la tête du radius. 42p. pl. 8° Par., Presses univ. France, 1931.

MILITE, Germano, 1873–1924.
For Obituary see J. Am. M. Ass., 1924, 82: 988.

MILITIA.

See in preceding **Military** Section as **Militia.**

MILIUM.

Syn.: Colloid milium; Degeneratio colloidalis miliaris; Pseudo-milium.

Alfonso & Argüelles. Milium coloide. Bol. Soc. cubana derm. sif., 1931, 2: 182.—**Andrews, G. C.** Colloid milium. Arch. Derm. Syph., Chic., 1940, 41: 788.—**Argüello, R. A., & Strada, F.** Sobre una observación de pseudo-milium coloide. Rev. argent. derm. sif., 1941, 25: 304. Also Sem. méd., B. Air., 1941, 48: 276–80.—**Bergamasco, A.** Pseudo-miliо colloide. Arch. ital. derm., 1940, 16: 465–500.—**Berlin, C.** Degeneratio colloidalis cutis solaris; purpura solaris; etiologic and clinical considerations. Brit. J. Derm. Syph., 1946, 58: 274–9.—**Börjes, E.** Ueber echte Miliеn beim Neugeborenen. Med. Klin., Berl., 1941, 37: 1200.—**Casanovas Viadé, M., & Mercadal Peyrí, J.** Tres casos de milium coloide. Med. ibera, 1936, 30: pt 2, 341.—**Casazza, R.** Pseudo-milio colloide e tumori. Arch. ital. derm., 1937, 13: 582–601.—**Contl, A. L.** Coloide milium; colloid milium; pseudomilium coloide. Sem. méd., B. Air., 1946, 53: pt 2, 471–9.—**Cordiviola, L. A., & Quevedo, C. C.** Pseudo-miliium coloide. Rev. argent. derm. sif., 1944, 28: 188–91.—**Dietel, F.** Hautmilien. Derm. Wschr., 1934, 99: 1637–40.—**Emanuel, S.** Colloidmilier? Nord. med., 1942, 14: 1870.—**Fidanza, E. P.** Sobre un nuevo caso de pseudo-milium coloide. Rev. argent. derm. sif., 1939, 23: 62–6.—**Gaté.** Milium ou grutum [illust.] Ann. derm. syph., Par., 1948, 8: opp. p.237.—**Greco, N. V., & Bigatti, A.** Seudo-miliо zoniforme hialino granuloso en una niña. Sem. méd., B. Air., 1935, 42: pt 2, 2011–3.—**Grzybowski.** Pseudo-milium colloïde [illust.] Ann. derm. syph., Par., 1948, 8: opp. p.48.—**Hailey, H.** Colloid milium. Arch. Derm. Syph., Chic., 1948, 58: 675–9.—**Hart-Drant, P.** Millum. In: Cyclop. Med. (Piersol-Bortz) Phila., 1939, 10: 167.—**Hukai, A.** Kōyō zokuryū-syu ni tuki [Ueber das Kolloidmilium] Acta derm., Kyōto, 1928, 11: 123–56, illust.—**Ketzán, I.** Degeneratio colloidalis miliaris. Derm. Wschr., 1940, 110: 264.—**Lapa, A., & Ferreira, C.** Algumas considerações clínicas e histo-patológicas acerca de um caso de degenerescência coloïde da pele (milium coloide) Lisboa med., 1931, 8: 617–27, pl.—**Lombardo, C.** Contributo allo studio del pseudo-milium colloide. Gior. ital. mal. vener., 1913, 48: 64–75, 3 pl.—**Malbrán, C. F., & Bosq, P.** Seudo-milium coloide. Sem. méd., B. Air., 1942, 49: 735.—**Marchionini, A., & Kâmile Sevki Aygün.** Untersuchungen über das Kolloidmilium in Anatolien. Derm. Wschr., 1941, 113: 897–909.—**Nimpfer, T.** Ueber Vorkommen und Entstehen der sogenannten sekundären Hautmilien. Arch. Derm. Syph., Berl., 1936, 174: 625–32.—**Okada, K.** Honyūzi kūbu kōhan ni tukite [Vascular milia in the cervical region in the infant] J. Orient. M., Dairen, 1936, 25: 1015–23, pl.—**Oliver, E. A., & Bluefarb, S. M.** A case for diagnosis (colloid milium?) Arch. Derm. Syph., Chic., 1943, 48: 454.—**Percival G. H., & Duthie, D. A.** Notes on a case of colloid pseudomilium. Brit. J. Derm. Syph., 1948, 60: 399–404, 4 pl.—**Petges, G., & Lecoulant, P.** Milium colloïde. In: Nouv. prat. derm. (Darier, Dabouraud, et al.) Par., 1936, 6: 231–7.—**Rabut, Dobkevitch & Ramakers.** Milium colloïde. Bull. Soc. fr. derm. syph., 1948, 55: 98.—**Ramos e Silva, J., & Fialho, A.** Um caso de pseudo-milium colloide. Rev. med. cir. Brasil, 1933, 41: 11–3, 2 pl.—**Robert, P.** Kolloidmilium des Gesichtes; therapeutischer Erfolg durch Druckbestrahlung mit der Kromayerlampe. Dermatologica, Basel, 1947, 94: 173–5.—**Robinson, S. S.** Colloid degeneration of the skin (colloid milium) Arch. Derm. Syph., Chic., 1944, 49: 454. ——— & **Tasker, S.** Colloid degeneration of the skin (colloid milium) report of a case, with observations on ascorbic acid therapy. Ibid., 1945, 52: 180.—**Semon, H.** Colloid milium. Proc. R. Soc. M., Lond., 1937–38, 31: Sect. Derm., 1355. Also Brit. J. Derm. Syph., 1938, 50: 615.—**Shiperskaja, A.** K voprosu o milium colloidale. Russ. J. kozhn. vener. bolezn., 1911, 22: 69–71.—**Spiliman, L., Watrin, J., & Weille, R.** Un cas de colloïd milium. Bull. Soc. fr. derm. syph., 1938, 45: 535–9.—**Stalder, W.** Kolloidmilium. Dermatologica, Basel, 1945, 91: 259.—**Vosbeln, E. B.** [Ulerythema ophryogenes with numerous grouped milia] Nord. med., 1940, 6: 679.

MILIZIA sanitaria; il medico condotto; organo dell'Associazione fascista del pubblico impiego. Roma v.39, 1940–

MILJANIC, Petar, 1858–97.
For biography see Bibl. Centr. hig. zavod., Beogr., 1937, No. 25, 75–90 (Kujacić, S.)

MILK.

See also the subsequent main headings from **Milk adulteration** to **Milk** (vitaminized) For references to human milk see under **Breast milk** in the 4. series.

Barahona, J. de. *Breve estudo ácerca do leite. 83p. 8° Lisb., 1884.

Frank, L. C. What every person should know about milk. 11p. 23½cm. Wash., 1939.
Forms Suppl. No. 150, Pub. Health Rep., Wash.

Pearson, R. A. Facts about milk. 29p. 8° Wash., 1896.
Forms No. 42, Farmers Bull.

Beeson, H. O. Milk. Denver M. Times, 1913–14, 33: 127–31.—**Bigger, J. W.** Milk; good and evil. Irish J. M. Sc., 1931, 6. ser., 6–16.—**Carter, F. R. N.** A story about milk. J. Indiana M. Ass., 1947, 40: 242.—**Cépède, M.** Le lait. Bull. Soc. sc. hyg. aliment., Par., 1936, 24: 147–55.—**Chokier, L.** Le lait. J. méd. Bruxelles, 1908, 13: 252–7.—**Droz, R.** Le lait. Econom., hôp., 1948, 17: 16.—**Frank, L. C.** What every person should know about milk. Pub. Health Rep., Wash., 1934, 49: 1505–15. Also Vet. Bull., Wash., 1935, 29: 170–83. Also Vet. Med., Chic., 1935, 30: 110–4. Also Spanish transl., Bol. Of. san. panamer., 1935, 14: 519–27. Also Salud & san., Bogotá, 1936, 5: No. 45, 12–9.—**Fulton, J. S.** What the public ought to know as to milk [Abstr.] Charities, N. Y., 1906, 6: 479–84.—**Goler, G. W.** Milk and education. N. York M. J., 1908, 87: 207–9.—**Goulding, R.** Milk. Guy's Hosp. Gaz., Lond., 1949, 63: 305–10.—**Gregory, L.** Milk. Pacific Coast J. Homœop., 1909, 20: 7–14.—**Heine.** Die Milch. Deut. tierärztl. Wschr., 1942, 50: 398–400.—**Hougardy.** Le lait. Ann. Soc. méd. chir. Liége, 1905, 49: 390–409.—**Kroeber, L.** Milch und Milchprodukte. Pharm. Zhalle, 1924, 65: 675; 697.—**Labbé, H.** Le lait; ses dérivés usuels, ses succédanés. In: Le lait (France. Journée ét. social.) Troyes, 1934, 39–43.—**Layson, S. V.** Facts and fallacies about milk. Hygeia, Chic., 1935, 13: 350–2.—**Marín, O.** La leche. Bol. san., Managua, 1940–41, 2: No. 16, 24–6.—**Marre, F.** Le lait et la crème. Hygiène, Par., 1913, 4: No. 43, 16–20.—**Milk.** Ind. M. Gaz., 1937, 72: 31. Also Bull. M. Soc. Co. Kings, 1940, 19: 113–20.—**Nicoll, D.** Facts and fancies concerning milk. Commonhealth, Bost., 1938, 25: 335–7.—**Parrino, P. S.** Some facts about milk. Q. Bull. Louisiana Bd Health, 1940, 31: No. 3, 2–4.—**Rodríguez Polo, M.** La leche. Rev. zootécn., B. Air., 1936, 23: 312–8.—**Samuels, H. J.** Milk. Week. Bull. California Dep. Pub. Health, 1934, 13: 93.—**Soper, H. W.** Milk. Arch. Pediat., N. Y., 1943, 60: 1–9.—**Tobey, J. A.** Milk and medical science. Am. Med., 1928, 23: 786–92.—**Voitkevič, A., Speransky, G.** [et al.] Moloko. In: Bolsh. med. encikl., 1931, 18: 612–58.—**Wardwell, J. K.** Some things that a physician ought to know about milk. Ann. Gyn. Pediat., Bost., 1908, 21: 295–302.—**Williams, H.** Milk, again. Baltimore Health News, 1941, 18: 185–91.

—— Bactericide quality.

See **Milk fermentation.** Germicidal stage; **Milk serology.**

—— Detection.

See also **Milk analysis; Milk chemistry; Milk stain.**

Grossfeld, J. Der Nachweis eines Milchzusatzes zu Backwaren. Zschr. Untersuch. Nahrungsmitt., 1918, 35: 457–71.—**Kappeller, G., Gottfried, A., & Reidemeister, W.** Beitrag zum Nachweis von Milch in Backwaren. Ibid., 1923, 45: 65–9.

—— History and folklore.

Accoramboni, G. Tractatus de lacte. 94p. 16cm. Venez., 1536.

Amaral Rogick, F. A. Um pouco de história sôbre o leite. Bol. indúst. animal, S. Paulo, 1944, 7: 80–4.—**Bircher, R.** Viertausend Jahre ohne Milch. Wendepunkt, Zür., 1938–39, 16: 512–8.—**Bühler-Oppenheim, K.** Die Tiermilch in der Volksheilkunde und im Heilaberglauben. Ciba Zschr., Basel, 1947–48, 10: 4260–4. Also Spanish transl., Actas Ciba, B. Air., 1948, 367–72. Also Portug. transl., Actas Ciba, Rio, 1949, 16: 180–5.—**Fouassier, M.** L'analyse du lait au XVIII[e] siècle. Pharm. fr., 1947, 51: No. 2, 14–27.—**Grüss, J.** Ueber Milchreste aus der Hallstattzeit und andere Funde. Forsch. & Fortsch., 1933, 9: 105, illust.—**Milk** through the ages. Pharm. Advance, 1946, No. 170, 3–6.—**Milky** (The) way. J. Oklahoma M. Ass., 1943, 36: 342.—**Piérot, M.** Le lait d'hier et celui d'aujourd'hui. Rev. path. comp., Par., 1945, 45: 326.—**Thleulin, G., & Houdinière, A.** Le lait d'hier et le lai de demain. Lait, 1945, 25: 18–23.

—— Witch's milk.

Davies, W. L., & Moncrieff, A. Composition of the milk from the breasts of newly-born infants. Biochem. J., Lond., 1938, **32**: 1238–40.—**Linton, R. G.** The composition of witch's milk. Vet. J., Lond., 1934, **90**: 213–5.—**Forbes, T. R.** Witch's milk and witches' marks. Yale J. Biol., 1949–50, **22**: 219–25.

MILK adulteration.

See also other main headings beginning with **Milk** (analysis; casein; chemistry; contamination; control; fat)

Fikéis, W. Ueber die Schwierigkeiten bei der gerichtlichen Verfolgung von Lebensmittelverfälschungen und insbesondere von Milchverfälschungen. p.51–87. 23½cm. Lpz., 1928.
Abh. Hyg., 1928, No. 2.

Krombholz, E. Ueber die Grundlagen der Beurteilung von Milchverfälschungen. p.1–50. 23½cm. Lpz., 1928.
Abh. Hyg., 1928, No. 2.

Adulteration of milk in course of transit. San. Rec., Lond., 1906, n. ser., **37**: 421.—**Ardiani, M. A.** Manipuleo de la leche en la ciudad de Casilda desde su origen hasta su entrega al consumidor. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 399–405.—**Datos** y técnicas generales para análisis de leches. Rev. san., Caracas, 1940, **5**: No. 1, 59–80.—**Del Valle Sárraga, R.** Notes on milk adulteration. Porto Rico Rev. Pub. Health, 1928–29, **4**: 505.—**Diaz Brito, A.** Adulteración de la leche de vaca. Crón. méd. quir. Habana, 1905, **21**: 346–9.—**Falsification** du lait. J. chim. méd., Par., 1866, 5. ser., **2**: 263.—**Grassberger, R.** Ueber Milch und Milchverfälschung. Zschr. Bahnärzte, 1928, **23**: 31–50.—**Marcas, L., & Huyge, G.** Altérations du lait postérieures à la traite. Ann. falsif., Par., 1911, **4**: 588–90.—**Milk.** Brit. Food J., 1942, **44**: 57.—**Rogick, F. A.** Adulteração do leite. Bol. indúst. animal, S. Paulo, 1947, **9**: No. 3, 75–89.—**Russell, E. N.** The adulteration of milk in Bristol. Bristol Med. Chir. J., 1909, **27**: 47.—**Tampering** with milk. Med. Off., Lond., 1941, **66**: 65.—**Toubeau, M.** L'évolution de l'idée de fraude. Lait, 1932, **12**: 835–9.

—— Adulterants.

See also **Milk analysis; Milk chemistry; Milk type; Milk (vegetable)**

Bertarelli, E. Ricerche ed osservazioni sull'adulterazione dell latte colla margarina. Ann. igiene, 1933, **43**: 853–63.—**Hattori, K., & Ogimura, Y.** Gyūnyū-tyū tōnyū no kansiki [Detection of the soy bean milk in cow's milk] Nippon eisei kagakkai si, 1935, **7**: 133–6.—**Hirayama, K.** Kasai-si no gyūnyū-tyū tōnyū kansiki-hō ni tuite [Kasai's method of detecting the adulteration of (cow's) milk with bean milk (made from bean curd)] Ibid., 1943, **15**: 59–64.—**Jesus, P. I. de, & Segundino Jao.** Studies on adulteration of fresh cow's milk with coconut juice. J. Philippine Islands M. Ass., 1936, **16**: 85–90.—**Matusiak, S.** Przyczynek do sprawy zafalszowań mleka na rynku Warszawskim. Zdrowie, Warsz., 1931, **46**: 1275–8.—**Puig Roig, P.** Estudio de las alteraciones y sofisticaciones de la leche y sus derivados. Gac. méd. catal., 1918, **53**: 10; 43; 79.—**Sabatié, A.** Falsification du lait par addition d'eau sucrée. Ann. falsif., Par., 1931, **24**: 208–11.—**Tallo, F., & Albanese, B.** Ricerche delle adulterazioni del latte e del burro col sussidio della luce di Wood. Riv. san. sicil., 1930, **18**: 1383–93, 4 pl.—**Wauters, J.** Une nouvelle falsification du lait. Bull. Soc. sc. méd. natur. Bruxelles, 1911, **69**: 12–7.—**Weehuizen, F.** Vermenging van melk met santen en blikkenmelk. Meded. Burgerl. geneesk. dienst Ned. Indië, 1918, **6**: 161–3. Also Meded. Geneesk. laborat. Weltevreden, 1918, 3. ser., A, pt 1–2, 161–3.

—— Detection.

See also **Milk analysis; Milk type.**

Clotet, L. La leche; fisiología glandular y algunas pruebas practicas para descubrir su adulteración mas corriente, al alcance de toda familia. Rev. zootécn., B. Air., 1929, **16**: 204–7.—**Cornalba, G.** Etude comparative des nouvelles méthodes propres à découvrir le mouillage dans le lait. Ann. falsif., Par., 1909, **2**: 529–34.—**García, A., & García Godos, M.** La acidez total de las leches en relación con el mouillage. Actas Congr. méd. lat. amer. (1913) 1914, 5. Congr., **8**: 68.—**Granvigne, C., & Cassez, G.** Valeur des diverses données fournies par l'examen physique et chimique du lait et du beurre de ce lait pour l'appréciation des falsifications du lait. Ann. falsif., Par., 1911, **4**: 77–85.—**Jao, S. G.** Simple qualitative tests for adulterants in fresh milk. J. Philippine M. Ass., 1946, **22**: 109–12.—**Liverseege, J. F.** The calculation of milk adulteration. J. Soc. Chem. Indust., Lond., 1908, **27**: 604.—**Nallino, G.** Guida per riconoscere le alterazioni e per scoprire le falsificazioni delle principali sostanze alimentarle; del latte. Gior. farm. chim., Tor., 1866, **15**: 49; passim.—**Pérez Noguera, E.** La determinación del aguado y del descremado de la leche. Gac. méd. catal., 1915, **47**: 313; 339.—**Seixas, A. C.** O leite, molhagem e seu padrão. Rev. Inst. Adolfo Lutz, S. Paulo, 1942, **2**: 390–412.

—— Fat deficiency.

See also **Milk fat.**

Guggenberger, F. *Beitrag zur Beurteilung von Milchfälschungen durch Entrahmung [München] 40p. 21cm. Kallmünz, 1937.

—— Forensic aspect.

Szanto, L. *Le lait et ses falsifications. 48p. 8° Par., 1935.

Court decision on public health; convictions under Federal Filled Milk Act upheld. Pub. Health Rep., Wash., 1944, **59**: 731.—**Gibson.** Milk adulteration and the Cambridge judgment. Pub. Health, Lond., 1917–18, **31**: 54–8.—**Milk.** Brit. Food J., 1942, **44**: 56.—**Milk;** appeal, Mathewson v. Irvine. Ibid., 1943, **45**: 4–7.—**Milk;** Marketing Board fined; minister of food summoned. Ibid., 78.—**Milk;** sample explodes in court, case dismissed. Ibid., 56.—**Milk;** summons withdrawn. Ibid., 77.—**Milk** (A) warranty. Brit. M. J., 1909, **1**: 1096.—**Thomas, D. L.** The warranty defence in milk prosecutions. Med. Off., Lond., 1919, **22**: 155.—**Unusual** (Some) requirements in a milk ordinance upheld (city of Owensboro vs. Evans (Ky.) 189 S. W. R. 1153) J. Am. M. Ass., 1917, **68**: 1575.—**Warning** on Filled Milk Act. Ibid., 1938, **110**: 2018.

—— Pathological effect.

Remy, E. Wirtschaftliche und gesundheitsschädliche Folgen der Milchfälschung. Natur, Lpz., 1925–26, **17**: 361.—**Vidal Sotolongo y Lynch.** Consideraciones acerca de los perjuicios de la adulteración de la leche como determinante de la atrepsia y de las diarreas de la primera infancia; importancia efectiva de su tratamiento por el suero equino fisiológico. Crón. méd. quir. Habana, 1906, **32**: 327–34.—**Vyměťal, F.** Korosivní účinky solanek, používaných v mlékárnách na býv. území moravskoslezském. Výživa lidu, 1949, **4**: 230.

—— Prevention and repression.

See also **Milk** headings: **M. control; M. inspection; M. legislation.**

Braun, C. Milchfälschung und Milchkontrolle. S. Petersb. med. Wschr., 1907, **32**: 87–9.—**Eloire, A.** La répression des fraudes du lait. Rev. path. comp., Par., 1928, **28**: 333–45.—**Steps** to prevent milk adulteration. Ind. M. Gaz., 1942, **77**: 241.

—— Skimming.

See as subheading (Fat deficiency)

MILK analysis.

See also other headings related to **Milk: M. bacteriology; M. chemistry; M. composition; M. constituents; M. examination; M. sample; M. testing.**

Alonso Cuadrado, G. Informe sobre análisis de leche. An. Acad. cienc. méd. Habana, 1915–16, **52**: 524.—**Analysis** (The) of milk. Internat. Hosp. Rec., Detr., 1910, **13**: No. 7, 15.—**Anfrúns, M.** Leche; caracteres físicos, químicos y microscópicos; crioscopía. Gac. méd. catal., 1910, **36**: 283–92.—**Apmeyer, C. A.** Analysis of milk. Eclect. M. J., 1919, **79**: 467–75.—**Carlinfanti, E., & Pierandrei.** Contributo all'analisi del latte. Arch. farm. sper., 1907, **6**: 26–34.—**Frank, L. C.** Milk investigations. Annual Rep. Surg. Gen. U. S. Pub. Health, 1934, 31.—**Gomes, C.** Ligeiras considerações sobre analyses de leite. Arch. brasil. med., 1912, **2**: 598–606.—**Lait.** Bull. san. pub., Brux., 1949, **11**: 54–70.—**Meillère, G.** Analyse du lait. J. pharm. chim., Par., 1914, 7. ser., **9**: 489; passim.—**Oropeza, P.** Anotaciones sobre la leche y sus análisis más rudimentarios. Bol. Min. san., Caracas, 1937–38, **2**: 1124–43.—**Pannain, L.** Analisi di alcuni latticini. Q. nutriz., Bologna, 1934–35, **1**: 175–9.—**Pappel, A.** Milk analysis. Cairo Sc. J., 1913, **7**: 63–7.—**Peligot, E.** Analyse du lait. Nature, Par., 1882–83, **11**: 85.—**Porcher, C.** Petites recherches sur l'analyse du lait. Ann. falsif., Par., 1920, **13**: 35–7.—**Ramírez Acosta, D.** Estudio de la leche; caracteres fisicos, químicos y microscópicos, crioscopía y fermentos. Gac. méd. catal., 1913, **43**: 406; 444.—**Richeri, V. H., & Land, P. A. F.** Análisis de leche. Sem. méd., B. Air., 1938, **45**: pt 2, 1026–9.—**Rodier, J.** L'analyse du lait. Bull. Inst. hyg. Maroc, 1948, **8**: 151–77, ch.—**Smith, J. B.** Milk analysis. Med. Times, Lond., 1893, **21**: 338; 353; 369.

—— Apparatus.

Cvang, I., & Sergeev, G. O zamene laktodensimetra Kevena urometrom Fogelia dlja issledovanija piščevykh productov v polevykh naborakh. Voen. san. delo, 1940, No. 4, 95.—**Filding, K.** A milk plunger. Med. Off., Lond., 1937, **57**: 131.—**Lachenschmid, M.** Das Milchuntersuchungsbesteck B und C nach Dr. Schönborn-Prostken. Zschr. Fleisch. Milchhyg., 1928–29, **39**: 429–31.—**Mojonnier, T.** Un appareil pour l'analyse du lait et des produits lactés. Lait, 1925, **5**: 997–1000.—**Pien, J.** Une innovation en laitcrie, l'acidimètre automatique des

fermiers réunis. Ibid., 1933, **13**: 1222–9.—**Schenk, C.** Eine neue Milchprüfungsschale. Mitt. Lebensmitteluntersuch., 1938, **29**: 217–9.—**Schrader.** Die Spritzpipette. Zschr. Fleisch. Milchhyg., 1927–28, **38**: 103.—**Wilson, J. B.** A modified Soxhlet's tube. Merck's Rep., N. Y., 1906, **15**: 195. Also Pharm. J., Lond., 1906, 4. ser., **22**: 587.

—— biological.

See **Milk biology.**

—— Capillary analysis.

SPRENGLER, K. *Kapillaranalytische Milch-Untersuchungen [Diplomlandwirt] [München] 60p. 8° Ochsenfurt, 1932.

—— Constants.

See also subheading (Nomogram)

DUCROS, F. *Contribution à l'étude des constantes physiques du lait [Ec. pharm.] 57p. 8° Montpellier, 1905.

Brahmachari, B. B. Constants of cow milk. Ind. M. Gaz., 1934, **69**: 76–8.

—— Cryoscopy.

MONIER-WILLIAMS, G. W. Report to the Local Government Board on the freezing point of milk considered in relation to the detection of added water. 32p. 8° Lond., 1914.

Alleged adulteration of milk with water; the Hortvet test. Analyst, Lond., 1934, **59**: 691.—**Allemann, O.** Beitrag zur kryoskopischen Milchuntersuchung. Molkereiztg., 1906, **16**: 49.—**Atkins, W. R. G.** The freezing-point of milk; a method of detecting adulteration, with some considerations of osmotic pressures. Chem. News, Lond., 1908, **97**: 241.—**Barthel, C.** La cryoscopie du lait appliquée à la recherche des fraudes par addition d'eau. Rev. gén. lait, 1904–05, **4**: 505–12.—**Bordas, F.** La cryoscopie et le mouillage du lait. Ann. falsif., Par., 1911, **4**: 301.—**Bunce, E. H.** Comparative notes on the cryoscopy of milk. Ind. M. Gaz., 1933, **68**: 23–6.—**Crispo.** Zur Prüfung der Milch durch Bestimmung ihres Gefrierpunktes. Molkereiztg, 1905, **15**: 469–71.—**Détermination** de l'indice cryoscopique. Bull. san. pub., Brux., 1949, **11**: 58–60.—**Elsdon, G. D., & Stubbs, J. R.** The freezing point of milk as a means of detecting added water. Analyst, Lond., 1930, **55**: 423–32. ——— The technique of the freezing-point test for milk. Ibid., 1934, **59**: 585–93. ——— The calculation of added water from the freezing-point of watered milks. Ibid., 1936, **61**: 382–6.—**Fiehe, J., & Kordatzki, W.** Beitrag zur Milchuntersuchung mit Hilfe der Kryoskopie, der Kryolakzahl und der Chlor-Zucker-Zahl. Zschr. Untersuch. Lebensmitt., 1928, **55**: 251–62.—**Finizio, G.** Valore della crioscopia applicata all'analisi del latte. Pediatria, 1905, 2. ser., **3**: 580–92. Also Atti Congr. pediat. ital. (1905) 1906, 5. Congr., 399–412.—**Gangl, J., & Jeschki, K.** Ein Apparat für die Gefrierpunktsbestimmung der Milch bei Reihenuntersuchungen. Zschr. Untersuch. Lebensmitt., 1934, **68**: 540–8.—**Grüner, E.** La crioscopia applicata all'analisi del latte. Rendic. Ist. lombardo sc. lett., 1906, 2. ser., **39**: 435–55.—**Imbert, H., & Ducros, F.** Détermination comparative du mouillage des laits par cryoscopie et réfractométrie. Bull. sc. pharm., Par., 1905, **12**: 145–51.—**Lacomme.** Le mouillage du lait et la cryoscopie. Bull. Soc. méd. hôp. Lyon, 1905, **4**: 57–66.—**Lajoux, H.** La question du lait; mouillage et écrémage; analyse et cryoscopie. Union méd. nordest, 1904, **28**: 173; 200. ——— Considérations sur l'analyse chimique et la cryoscopie du lait. J. pharm. chim., Par., 1905, 6. ser., **21**: 577–91.—**Lethem, W. A.** The freezing point test of milk. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1945, **4**: 83.—**Lockwood, H. C.** Notes on the use of the Hortvet apparatus in determining the freezing-point of milk. Analyst, Lond., 1932, **57**: 698–703.—**Macdonald, F. J.** The freezing-point of bulk milk. Ibid., 1948, **73**: 423–9.—**Maiocco, F. L.** Sull'applicazione della crioscopia all'analisi del latte. Gior. Soc. ital. igiene, 1905, 27: 409–16.—**Milk;** the freezing point test. Brit. Food J., 1941, **43**: 64.—**Monier-Williams, G. W.** The determination of the true freezing point of milk. Analyst, Lond., 1933, **58**: 254–64.—**Monk, H. E.** Freezing point test; limits for genuine milk. Brit. Food J., 1942, **44**: 40.—**Morgado, S.** Uso do crioscópio de Beckmann para determinar quando um leite foi adulterado e a quantidade de agua que lhe foi adicionada. Rev. mil. remonta vet., Rio., 1945, **7**: No. 48, 53.—**Pawletta, A., Wentzky, D., & Petersheyde.** Ein abnormer Gefrierpunkt von Milch. Zschr. Untersuch. Lebensmitt., 1934, **68**: 359–63.—**Plücker, W., & Steinruck, A.** Gefrierpunkts- und Leitfähigkeitsschwankungen bei Milch. Ibid., 1930, **60**: 112–23.—**Ponce de Leão, A. M.** A crioscopia dos leites da região de Coimbra. Coimbra méd., 1937, **4**: 262–72.—**Rowland, S. J., Aschaffenburg, R., & Veinoglou, B. C.** Mastitis and the freezing-point of milk. Analyst, Lond., 1943, **68**: 302.—**Ryan, J. J., & Pyne, G. T.** Investigations of the cryoscopy of milk. Sc. Proc. R. Dublin Soc., 1934, **21**: 113–22.—**Seasonal** variations in the freezing-point of South African milk. Analyst, Lond., 1937, **62**: 44–6.—**Simpson, I. A.** The use of the freezing point of milk for the detection of added water. Malay. M. J., 1936, **11**: 28–35.—**Stoecklin, L.** La cryoscopie du lait; contribution à l'étude et à l'analyse du lait. Ann. falsif., Par., 1911, **4**: 232–58.—**Stubbs, J. R.** The Horvet freezing-point process for the examination of milk: Correction factors and the influence of stirring. Analyst, Lond., 1935, **60**: 147; 223. ——— A study of heat exchange in the cryoscopes of Hortvet and Monier-Williams for the determination of the freezing-point of milk. Ibid., 600–7. ——— A modified Hortvet apparatus and the true freezing-point of milk. Ibid., 607–10.—**Studinger, J.** Bestimmung von Gefrierpunktsdepressionen bei Milch. Mitt. Lebensmitteluntersuch., Bern, 1931, **22**: 221.—**Sutton, R. W., Markland, J.** [et al.] Investigations in the examination and on variations in the composition of milk; the determination of the Hortvet freezing-point. Analyst, Lond., 1950, **75**: 42–9.—**Temple, P. L.** A new apparatus for the rapid and economical determination of the freezing-point of milk. Ibid., 1937, **62**: 709–12.—**Veinoglou, B. C.** Freezing point of artificially induced bovine mammary secretions. Nature, Lond., 1945, **155**: 172.—**Vukov, J.** Bestimmung der Gefrierpunktserniedrigung der Milch; die Säurekorrektur als Fehlerquelle der Bestimmung. Zschr. Untersuch. Lebensmitt., 1934, **67**: 639–44.—**Weinstein, P.** Die Gefrierpunktsbestimmung der Milch. Ibid., 1928, **55**: 590–602. ——— Welcher molekulare Gefrierpunktswert des Wassers soll der Gefrierpunktsbestimmung der Milch zugrunde gelegt werden? Ibid., 1929, **58**: 136–9. ——— Beitrag zur Technik der Gefrierpunktsbestimmung der Milch. Ibid., 1932, **63**: 188–94.—**Wiss, K.** Zur Gefrierpunktsbestimmung der Milch. Ibid., **64**: 367–71.

—— Cytology and morphology.

See also other subheadings (Leukocyte; Staining)

Ross, H. E. The cell content of milk. p.775–93. 23cm. Ithaca, 1911.

Forms Bull. 303, Cornell Univ. Agr. Exp. Sta.

Breed, R. S. Die Wirkung der Zentrifuge und des Separators auf die Verteilung der Zellelemente in der Milch, nebst einer Kritik der zur Bestimmung der Zellenzahl in der Milch verwendeten neuen Methoden. Arch. Hyg., Münch., 1912, **75**: 383–92.—**Duran-Jorda, F.** Cell contents of milk. Nature, Lond., 1944, **154**: 704.—**Kendall, A. I.** The significance and microscopical determination of the cellular contents of milk. Collect. Stud. Res. Laborat. Dep. Health, N. Y., 1907, **3**: 169–81.—**Lourie, R.** Contribution à l'étude des éléments figurés du colostrum et du lait. Tr. Laborat. histol. Coll. France (1901) 1903, 118–50, pl.—**Mautner, B.** Ueber Lactoconien. Arch. Kinderh., 1908, **49**: 29–33.—**Nalli, V.** Sull'esistenza della membrana aptogena e sulla genesi dei corpuscoli del latte. Fol. clin. chim., Bologna, 1910–11, **3**: 1–18, 2 pl.—**Prati, M.** Sugli elementi morfologici del latte e del colostro. Haematologica, Pavia, 1927, **8**: 503–16, pl. Also Arch. ital. biol., 1928, **79**: 36–44.—**Prescott, S. C., & Breed, R. S.** The determination of the number of body cells in milk by a direct method. J. Infect. Dis., 1910, **7**: 632–40.—**Skorpil, F.** O výskytu t. zv. jasných buněk, lamprocytů, ve žláze mléčné. Cas. lék. česk., 1943, **82**: 4–10, pl.—**Steck, W.** Weitere Untersuchungen über den Zusammenhang zwischen Keim- und Körperzellgehalt aseptisch gewonnener Einzelviertelmilchen aus gesunden Kuheutern. Zbl. Bakt., 1. Abt., 1923, Orig., **90**: 61–78.—**Wolf.** Contribution à la morphologie du lait sur les coupes. C. rend. Ass. anat., 1931, **26**: 548–51.—**Zlotnik, I.** Types of cells present in cow's milk. J. Comp. Path., Lond., 1947, **57**: 196–208, 2 pl.

—— Density.

Ripan-Tilici, R., & Dragulescu, C. Dichte und Viscosität der Milch als Kennzeichen einer Verfälschung. Zschr. Untersuch. Lebensmitt., 1936, **72**: 121–37.—**Silva, H. M. T., & Cerri, M. M. G.** Observações sôbre a densidade do leite. Bol. indúst. animal, S. Paulo, 1944, **7**: 71–9.—**Sirot, M., & Joret, G.** L'emploi du lactodensimètre. Ann. falsif., Par., 1915, **8**: 123.

—— differential.

See under **Milk type.**

—— Electric properties.

See also **Milk pasteurization,** Electric method.

PASCAL, R. *Contribution à l'étude de la conductibilité électrique du lait. 63p. 23½cm. Lyon, 1946.

PETERSEN, F. *Untersuchungen über den elektrischen Widerstand der Milch [Kiel] 56p. 8° Merseburg, 1904.

Brereton, J. G. Electrode decomposition potentials and migration of milk constituents when subjected to a direct current. Abstr. Theses Cornell Univ. (1942) 1943, 252–6.—**Gerber, V.** Ueber die Bedeutung der spezifischen elektrischen Leitfähigkeit der Milch und ein neues, praktisches Verfahren zu deren Bestimmung. Zschr. Untersuch. Lebensmitt., 1926, **51**: 336; 1927, **54**: 257.—**Grönwall, A.** Changes in the electrophoretic pattern of cow's milk during early lactation. Nature,

Lond., 1947, 159: 376.—**Jones, G. E.** A statistical examination of conductivity values for aseptically drawn milk supplies. Proc. Soc. Appl. Bact., Lond., 1949, 29–33.—**Krenn, J.** Studien über die elektrische Leitfähigkeit der Milch; die Ergebnisse praktisch durchgeführter Messungen an Milch von Kühen verschiedener Herden. Zschr. Untersuch. Lebensmitt., 1930, 59: 32–62. ——— Valor de la medición de la capacidad conductriz de la leche para la estimación química e higiénica de la misma. Rev. hig. san. pecuar., Madr., 1931, 21: 678.—**Leiman, V. N.** [Application of electric conductivity for the examination of the milk of healthy and diseased animals] Sborn. nauch. rabot (Inst. usoversh. vrach. Kirova) Leningr., 1940, 81–7.—**Luytet, B.** Sur la résistance électrique du lait et de ses constituants. C. rend. Soc. biol., 1936, 122: 64.—**Messner, E.** Contribución al estudio de la influencia de la temperatura sobre la conductividad de la leche. Arch. Soc. biol. Montevideo, 1933, 5: 189–95.—**Mohler, H., & Hartnagel, J.** Eine Leitfähigkeitsapparatur zur Serienuntersuchung. Mitt. Lebensmitteluntersuch., Bern, 1935, 26: 66–8.—**Mommsen, H.** Ueber die Kataphorese von Kuhmilch und Frauenmilch. Mschr. Kinderh., 1929, 42: 361–72.—**Niemczycki, S., & Galecki, J.** Conductibilité électrique spécifique du lait et nouveaux dispositifs pour sa détermination. Lait, 1938, 18: 1009–33.—**Rossi, A.** Distribuzione degli elettroliti nel latte e nell'ultrafiltrato. Boll. Soc. ital. biol. sper., 1930, 5: 475–9.—**Rupp, G.** Ueber quantitative Bestimmungen in Nahrungsmitteln mittels des elektrischen Leitvermögens. Zschr. Untersuch. Nahrungsmitt., 1905, 10: 37–41.—**Schweers, A.** Die elektrische Leitfähigkeit als Mittel für die chemische und hygienische Beurteilung der Milch. Arch. Hyg., Münch., 1931–32, 107: 354–85.

—— Fluorescence.

Brakhage, G. Fluorometrische Milchuntersuchungen. Arch. Kinderh., 1943, 129: 49–59.—**Déribéré, M.** La fluorescence du lait. Lait, 1942, 22: 122–34.—**Radley, J. A.** The fluorescence of milk and dairy products. Analyst, Lond., 1933, 58: 527–9.

—— Forensic aspect.

Egger, F. Ein angeblicher Milchdiebstahl und seine Aufklärung. Zschr. Untersuch. Lebensmitt., 1943, 85: 59–64.—**Frei, W.** Prinzipien und Grundlagen der praktischen Milchuntersuchung. Vjschr. gerichtl. Med., 1912, 3. ser., 44: 41–63.—**Milk;** validity of public analyst's certificate challenged. Brit. Food J., 1941, 43: 119.

—— hygienic.

See **Milk examination,** hygienic.

—— Interpretation of findings.

See also **Milk quality.**

Bolling, G. E. Should the results of milk analyses be given publicity? Am. J. Pub. Health, 1914, 4: 1198–201.—**Carrillo Gil, A.** Sobre el valor de los analisis de leche. Rev. méd. Yucatán, 1930, 16: 53–8.—**Collins, S. H.** The application of the theory of errors to investigations of milk. Rep. Brit. Ass. Advance. Sc. (1910) 1911, 80: 589.—**Fouassier, M.** Interprétation des résultats analytiques en matière d'expertise du lait. Ann. falsif., Par., 1949, 42: 165–8.—**Meillère, G.** Considérations sur l'analyse du lait. Bull. sc. pharm., Par., 1908, 15: 269–75.—**Porcher, C.** Commission d'études de l'interprétation d'analyses des laits. Ann. falsif., Par., 1915, 8: 397–402.—**Roux, E.** L'expertise des laits. Ibid., 355; Disc., 360.

—— Leukocytes.

See also **Milk bacteria,** Interpretation of findings; **Milk defect,** Pus.

Bourgeois, E. A. G. *Contribution à l'étude des leucocytes du lait et essai de leucocyto-diagnostic des différents états physiologiques et pathologiques de cette sécrétion [Ecole Alfort] 76p. 8° d'Ambilly-Annamasse, 1927.

Campbell, H. C. Leucocytes in milk: methods of determination and the effect of heat upon their number. 19p. 8° Wash., 1909.
Forms Bull. No. 117 U. S. Bur. Anim. Indust.

Bourgeois, E. Contribution à l'étude des leucocytes du lait et essai de leucocyto-diagnostic des différents états physiologiques et pathologiques de cette sécrétion. Lait, 1927, 7: 525; 640, 2 pl.—**Grassi, L.** I leucociti nel latte. Clin. vet., Milano, 1932, 55: 945–59, pl.—**Heiss, K.** Ueber das Auftreten eosinophiler Leukozyten in der Milch. Zschr. Fleisch Milchhyg., 1935–36, 46: 438–43.—**Holm, G. C.** The types of leucocytes in market milk as related to bovine mastitis. J. Am. Vet. M. Ass., 1934, 85: 735–46.—**Johnson, S. D., & Trudel, F. G.** Observations on the significance of leucocytes in milk. Cornell Vet., 1932, 22: 354–84.—**Lo Russo, R.** Comparación de las fórmulas leucocitarias de la leche de vacas que reaccionan o no a la tuberculina; su importancia en la inspección sanitarla de la leche. Rev. med. vet., B. Air., 1945, 27: 89–127.—**Mohri, R. W.** Leucocytes in cows' milk. Vet. Bull., Wash., 1931, 25: 245–50.—**Nyiredy, I.** [Significance of Trommsdorff's test in hygienic evaluation of whole milk] Allatorv. lap., 1938, 61: 429. ——— [Variability of leucocytes in the milk during one period of lactation and its diagnostic significance] Ibid., 1939, 62: 92–5.—**Procerov, B. M.** Leikocity moloka. Hig. & san., Moskva, 1948, 13: No. 11, 33–5.—**Rullmann, W.** Trommsdorffsche Milch-Eiterprobe. Molkereiztg, 1906, 16: 411.—**Russell, H. L.** Leucocytes in milk. Rep. Am. Pub. Health Ass. (1907) 1908, 33: 174–8. ——— **& Hoffmann, C.** Leucocyte standards and the leucocyte content of milks from apparently healthy cows. J. Infect. Dis., 1907, Suppl. No. 3, 63–75, tab. Also Rep. Am. Pub. Health Ass. (1906) 1907, 32: pt 2, 63–75, tab.—**Schuppius, R.** Die Milchleukozytenprobe nach Trommsdorff. Arch. Hyg., Münch., 1907, 62: 137–46.—**Seelemann, M., Wolf, C. H., & Gartzen, M. v.** Untersuchungen zur Festlegung des Begriffes mikroskopisch nachweisbarer Eiter im Sinne der Ersten Verordnung zur Ausführung des Milchgesetzes. Arch. wiss. prakt. Tierh., 1936, 71: 41–64.—**Trommsdorff, R.** Die Milchleukozytenprobe. Münch. med. Wschr., 1906, 53: 541–3. Also Sitzber. Ges. Morph. München (1906) 1907, 22: 49–55.

—— Luminescence.

Déribéré, M. L'examen du lait de vache sous la lumière de Wood. Ann. hyg., Par., 1936, n. ser., 14: 169.—**Hermann, G.** Lässt sich die Quarzlampen-Lumineszenzanalyse zur Milchuntersuchung für die staatlichen Ueberwachungsinstitute verwerten? Zschr. Fleisch Milchhyg., 1936–37, 47: 258–60.—**Packbier, A.** Die Lumineszenz unter der Analysen-Quarzlampe ein diagnostisches Hilfsmittel zur Festellung krankhaft veränderter Milchproben. Münch. tierärztl. Wschr., 1935, 86: 531–3.—**Raible, J.** Lumineszenz und ultraviolette Strahlen in der Milchhygiene. Ibid., 1937, 88: 229; 241; 268.

—— Manual.

See also under **Milk science.**

American Public Health Association, & Association of Official Agricultural Chemists. Standard methods of milk analysis. 4. ed. 40p. 25½cm. N. Y., 1923.

——— Standard methods of milk analysis, bacteriological and chemical. Also 6. ed. 105p. 8° N. Y., 1934.

Barthel, C. Methods used in the examination of milk and dairy products. 260p. 8° Lond., 1910.

Gronover, A., & Strohecker, R. Milch. p.37–211. 25½cm. Berl., 1936.
In: Handb. Lebensmitt. Chem. (Bömer, A.) Berl., 1936, 3:

Von der Becke, W. Die Milchprüfungs-Methoden. 105p. 22½cm. Bremen, 1882.

—— Methods.

Reiss, F., & Sommerfeld, P. Quantitative Analyse. p.233–305. 26½cm. Wiesb., 1909.
In: Handb. Milchk. (Sommerfeld, P.) Wiesb , 1909.

Rjazancov, N. Sposoby izsledovanija moloka. p.49–125. 4° Kharkov, 1891.
In: Sborn. tr. Kharkov. vet. inst. (1889–90) 1891, 3:

Ackermann, E. Nouvelles contributions à l'analyse du lait. Schweiz. Apoth. Ztg., 1916, 54: 573–8.—**Binaghi, R.** L'hydromipisimétrie comme moyen monveau et certain d'appréciation du lait entier et du lait écrémé. Rev. gén. lait, 1909–10, 8: 361–71.—**Bordas, F., & Touplain.** Nouvelle méthode d'analyse rapide du lait. C. rend. Acad. sc., 1905, 140: 1099.—**Bourlez, A.** L'analyse indirecte du lait. Ann. falsif., Par., 1921, 14: 334–6.—**Casda.** Epikassit und Löthlik, zwei Anstrichverzinnungsmittel. Molkereiztg, 1909, 19: 482.—**Defrance, P.** L'analyse indirecte du lait. Ann. falsif., Par., 1921, 14: 278–81.—**Gyūnyū kensa-hō** [Methods of examination of cow's milk] Nippon eisei kagakkai si, 1937, 9: 195–211.—**Kawasaki, K.** Gyūnyū kensa-hō [Methods of examining cow's milk] Ibid., 1935, 7: 196–205.—**Kita, E.** Nyūzyū bunseki-hō [Method of analysis of milk] Yakugaku zassi, 1885, 1; 43; 91.—**Liverseege, J. F.** Milk, condensed milk, dried milk, butter-milk. In his Adulter. & Analys. Foods, Lond., 1932, 194–237.—**Lohnstein, I.** Eine einfache Methode der Milchanalyse für die ärztliche Praxis. Allg. med. Zentr. Ztg, 1905, 74: 334; 354. ——— Zur Methodik der Milchanalyse mit besonderer Rücksicht auf die ärztliche Praxis. Ther. Mhefte, 1905, 19: 248–54.—**Messner, E.** Sobre la desecación de las extensiones de leche según Breed. Arch. Soc. biol. Montevideo, 1935–36, 6: 78.—**Richmond, H. D., & Miller, E. H.** The method of analysis of milk used in the government laboratory for samples referred under the sale of food and drugs acts. Analyst, Lond., 1906, 31: 317–35.—**Ruffy, J.** Contribution à l'analyse du lait. Lait, 1932, 12: 95–101.—**Shutt, F. T.** Milk analysis by the asbestos method. Proc. R. Soc. Canada (1890) 1891, 8: Sect. 3, 7–10.—**Ugarte, T.** Nouvelle méthode d'analyse du lait sur

un centimètre cube. Ann. falsif., Par., 1931, **24**: 402–11. Also J. pharm. chim., Par., 1931, 8. ser., **14**: 22–33. Also Sem. méd., B. Air., 1931, **38**: pt 1, 760–74.—**Vandevelde, A. J. J.** Unification des méthodes d'analyse du lait. Rev. gén. lait, 1909–10, **8**: 371–8.

—— Methods, physical.

Basset, C. L. J. B. *Contribution à l'étude des méthodes physiques d'examen du lait [Ecole de pharmacie] 60p. 8° Bord., 1905.

Schnorf, C. *Physikalisch-chemische Untersuchung physiologischer und pathologischer Kuh-Milch. 207p. 8° Zür., 1904.
Also in Schweiz. Arch. Tierh., 1904, **46**: 197; 250.

Taylor, H. B. Some physico-chemical measurements on milk. J. R. Soc. N. S. Wales, 1914, **47**: pt 2, 174–92.—**Zangger, H.** Die Verwendung neuer physikalisch-chemischer Methoden zur Milchuntersuchung vom sozial-medizinischen und physiologischen Standpunkt. Schweiz. Arch. Tierh., 1908, **50**: 247–67.

—— Microscopy.

See also subheading (Cytology and morphology)

Bentivoglio, G. C. Sulla valutazione dell'esame microscopico del latte (rapporto tra stato fisico-chimico del grasso e tasso proteico) Riv. clin. pediat., 1933, **31**: 3–23.—**Höyberg, H. M.** Die mikroskopische Untersuchung der Milch als Glied der täglichen Milchkontrolle. Molkereiztg, 1909, **19**: 218. Also Zschr. Fleisch Milchhyg., 1909, **19**: 277–80.—**Karsten, A.** Les nouveaux microscopes à la chambre photographiques; les progrès qu'ils permettent de réaliser dans l'examen du lait et des produits laitiers. Lait, 1937, **17**: 337–47.—**Langeron, M. C. P.** Examen du lait. In his Précis d. microsc., 7. éd., Par., 1949, 1145.—**Loth, R.** Les malpropretés visibles du lait; leur examen microscopique. Lait, 1930, **10**: 655; 812, 4 pl.

—— Molecular constant.

Domenge-Héritier, P. *Contribution à l'étude de la constante moléculaire simplifiée des laits de mammites. 75p. 25cm. Lyon, 1939.

Bouin, M. La constante moléculaire approchée. C. rend. Soc. biol., 1921, **85**: 1089.—**Cattelain, E., & Bliecq, L.** Des méthodes actuellement utilisées pour caractériser le mouillage des laits, et en particulier de la constante moléculaire simplifiée. J. pharm. chim., Par., 1928, 8. ser., **8**: 455; 510.—**Couerbe, E., & Couerbe, J.** La recherche du mouillage des laits par l'application de la constante moléculaire simplifiée n'est-elle pas, dans certains cas, sujet à caution? Ann. hyg., Par., 1949, **27**: 24–43.—**Domenge-Héritier, P.** Contribution à l'étude de la constante moléculaire simplifiée des laits de mammites. Schweiz. Arch. Tierh., 1941, **83**: 382.—**Fonzes-Diacon.** La constante moléculaire simplifiée dans l'analyse des laits caillés. C. rend. Ass. fr. avance. sc. (1920) 1921, **44**: 665.—**Lataix, A.** Recherches sur la constante moléculaire simplifiée, C. M. S., de certains laits. Lait, 1932, **12**: 931–8.—**Milaeloff, S.** Recherche du mouillage des laits par l'application de la constante moléculaire simplifiée. Ann. hyg., Par., 1947, **25**: 297–303.—**Sirot, M., & Joret, G.** La valeur de la constante moléculaire simplifiée dans la caractérisation du mouillage des laits. Ann. falsif., Par., 1919, **12**: 88–92.

—— Nomogram and calculations.

See also subheading (Constants)

Davis, D. S. Milk and cream nomograph. Food Indust., 1943, **15**: No. 12, 75.—**Harris, L. J.** Milk calculations; a reply. Analyst, Lond., 1919, **44**: 314–7.—**Hawley, H.** A milk calculation formula for use at tropical temperatures. Ibid., 1933, **58**: 272.—**Reiss, F.** Ueberflüssige Formeln zur Milchuntersuchung. Zschr. Fleisch Milchhyg., 1923–24, **34**: 61.—**Richmond, H. D.** Milk calculations; a criticism. Analyst, Lond., 1919, **44**: 200.

—— Photoanalysis.

See also subheadings (Fluorescence; Luminescence)

Tuckey, S. L., Ruehe, H. A., & Clark, G. L. Application des rayons X aux recherches de technologie laitière. Lait, 1934, **14**: 942–50.—**Urbach, C.** Les méthodes de photométrie par degrés dans l'examen du lait et des produits de laiterie. Ibid., 1935, **15**: 129–41.

—— Physical properties of milk.

See also subheading (Electric properties)

Blomberg, C. Melk; de osmotische compensatie. Pharm. tschr. Ned. Indië, 1930, **7**: 278–80.—**Koeppe, H.** Physikalische Verhältnisse. In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909, 129–51.—**Kofler, L.** Der Milchschmelzpunkt unter dem Mikroskop. Forsch. & Fortsch., 1941, **17**: 345.—**Maiocco, F. L.** Osservazioni su alcune proprietà fisico-chimiche del latte. Gior. Accad. med. Torino, 1905, 4. ser., **11**: 755–62.—**Schnorf, C.** La chaleur spécifique du lait. Rev. gén. clin. thér., 1905, **19**: 313–5.

—— Quality.

See **Milk quality.**

—— Refractometry.

See under **Milk serum.**

—— Sediment and sedimentation.

See also subheading (Staining)

Announcement of 1939 edition of Connecticut official milk sediment standards. Connecticut Health Bull., 1939, **53**: 227.—**Fouassier, M.** Sur une amélioration apportée à la centrifugation dans le procédé Gerber et sa répercussion sur les analyses du lait. Lait, 1946, **26**: 313–6.—**Jansen, J. D., & den Dooren de Jong, L. E.** L'emploie des projections micrographiques dans l'examen du sédiment du lait. Ibid., 1925, **5**: 221–3, pl.—**Kreis, H.** Ueber ein Sediment aus griesiger Milch. Mitt. Lebensmitteluntersuch., Bern, 1930, **21**: 229–31.—**Mickle, F. L.** First step toward 1934 revision of Connecticut milk sediment standards. Connecticut Health Bull., 1933, **47**: 82–4.—**Wardlaw, H. S. H.** On the nature of the deposit obtained from milk by spinning in a centrifuge. Repr. Papers sc. laborat Univ. Sydney, 1909–16, B, **2**: 152–71.

—— Specific gravity.

Kobler, B. *Untersuchungen über Viskosität und Oberflächenspannung der Milch [Zürich] 72p. 8° Bonn, 1908.
Also Arch. ges. Physiol., 1908–09, **75**: 1–72.

Baldoni, A. Le variazioni spontanee del peso specifico del latte. Gior. Soc. ital., 1905, **27**: 293; 341.—**Bentivoglio, G. C.** Contributo allo studio della viscosità del latte. Clin. pediat., Mod., 1931, **13**: 446–82.—**Blomberg, C.** Melk; soortelijk gewicht en refractie-verschil. Pharm. tschr. Ned. Indië, 1930, **7**: 347–50.—**Cavallari, D.** Sulla viscosità del latte determinata con l'apparecchio di Hoeppler. Sperimentale, 1941–42, **95**: 285–94.—**Cavazzani, E.** Reazione viscosimetrica del latte. Arch. fisiol., Fir., 1904–05, **2**: 513–20. ——— La viscosità del latte. Atti Accad. sc. med. natur. Ferrara, 1904–05, **79**: 61–6.—**Dekhuyzen, M. C.** Over het verband tusschen soortelijk gewicht, temperatuur en samenstelling van koemelk en eenige andere waterrijke vochten. Ned. tschr. geneesk., 1918, **2**: 899–912.—**Gerum, J.** Zur Bestimmung des spezifischen Gewichtes der Milch. Zschr. Untersuch. Lebensmitt., 1926, **52**: 268.—**Koestler, G.** Ueber die physikalisch-chemischen Grundlagen des spezifischen Gewichtes der Milch. Ibid., 279–87.

—— Spectral analysis.

See under **Milk chemistry.**

—— Staining.

See also **Milk bacteriology.**

Broadhurst, J., & Paley, C. A differential stain for the direct examination of milk. J. Bact., Balt., 1938, **36**: 311.—**Erb, N. M.** A rapid stain for the direct microscopic examination of milk. J. Laborat. Clin. M., 1928–29, **14**: 377–9.—**Gautier, C., & Morel, A.** Sur une réaction colorée du lait. C. rend. Soc. biol., 1906, **60**: 376. ——— & **Monod, O.** Sur le mécanisme de la coloration rouge cerise du lait en présence d'alcalis concentrés. Ibid., 1907, **62**: 542.—**Köhler, H.** Beiträge zur Technik der Vitalfärbung von Milchsedimentausstrichen durch Fluorochrome. Deut. tierärztl. Wschr., 1947, **54**: 215–7.—**Levine, B. S., & Black, L. A.** Newly proposed staining formulas for the direct microscopic examination of milk. Am. J. Pub. Health, 1948, **38**: 1210–8. ——— Comparative analysis of the standard methods methylene blue stain and advantages of the polychrome and acid-and-water-free stains in the direct microscopic examination of milk. Ibid., 1949, **39**: 1110–9.—**Messner, E.** La combinación verde metilo, pironina y heliantina para el estudio citológico de la leche. Arch. Soc. biol. Montevideo, 1941–42, **10**: 213–7.—**Shutt, D. B.** A rapid staining method for the microscopical examination of milk; a prelliminary note. Stain Techn., 1947, **22**: 1.

—— Surface tension.

See also **Milk nutrition,** Curd tension.

Joignerez, X. *Contribution à l'étude de la tension superficielle du lait [Nancy] 80p. 25cm. Besançon, 1942.

Belle, G. La tension superficielle du lait du vache. Lait, 1936, **16**: 13–20.—**Carapelle, E., & Chimera, G.** Sulla tensione superficiale del latte; ricerche sperimentali. Gazz. med. chir., Pal., 1910, **9**: 81–7. Also Rev. hyg., Par., 1910, **9**: 167–78.—**Cardoso, F. A., & Wancolle, A.** Contribuição ao estudo da tensão superficial do leite. Ann. Soc. pharm. chim. São Paulo, 1938, **3**: 169–89.—**Kopaczewski, W.** La tension superficielle du

lait. Lait, 1936, **16**: 356–9.—**Ogata, S., Yokonawa, T., & Nagasawa, S.** Tyōpona no buturi-kagaku-teki narabi-ni seibutugaku-teki sayō kiten ni kan-suru tiken hoi; tyōonpa no kyōdo to nyūkyū hakai sayō narabi-ni nyūzyū-hyōmen-tyōryoku kakō sayō to no kankei ni tuite [Supplementary reports on the mechanism of the physico-chemical and the biological action of supersonic waves; the relation between the strength (intensity) of the supersonic waves and their action in destroying milk globules as well as in lowering the surface tension of milk] Osaka igakkai zassi, 1941, **40**: 1211–4.—**Piccardi, G.** Sulla tensione superficiale del latte. Riv. clin. pediat., 1947, **45**: 385–410.—**Segale, M.** Modificazioni di tensione superficiale e di viscosità indotte nel latte dall'idrato di sodio e loro importanza per i dosaggi del grasso. Boll. Accad. med. Genova, 1912, **27**: 95–9.—**Velu, H., & Belle, G.** Tension superficielle du lait de vache. C. rend. Soc. biol., 1935, **119**: 678.

—— Viscosity.

Lussana, F. Sulla viscosità del latte. Bull. sc. med., Bologna, 1905, 8. ser., **5**: 615–8.—**Maiocco, F. L.** Sulla viscosità del latte. Nuovo ercolani, 1906, **11**: 290; 301.—**Tapernoux, A., & Vuillaume, R.** La viscosité du lait de vache. C. rend. Soc. biol., 1934, **115**: 1128. Also Lait, 1934, **14**: 449–56.

—— Volume.

Whitleston, W. G., & Verrall, S. A. The measurement of milk volume. N. Zealand J. Sc., 1948–49, Sect. B, **30**: 65–70.

MILKAU, Fritz, 1859–1934. Die internationale Bibliographie der Naturwissenschaften nach dem Plane der Royal Society; eine orientierende Uebersicht. 62p. 25cm. Berl., A. Asher & Co., 1899.

—— Handbuch der Bibliothekswissenschaft. 2v. 4° Lpz., O. Harrassowitz, 1931–33.

For portrait see in: Aufsätze F. Milkau (Leyh, G.) Lpz., 1921, front.

See also **Leyh, G.** Aufsätze, Fritz Milkau gewidmet. 378p. 27cm. Lpz., 1921.

MILK bacteria [incl. fungi]

See also **Milk contamination; Milk defect;** also **Milk bacteriology.**

Reinecke, G. *Untersuchungen über die Grösse der Bakterienkonglomerate in Milch [Leipzig] 23p. 8° Lengerich i. W., 1936.

Gorini, C. Sulle polpe barbabietola fresche, conservate e secche, in rapporto colla microflora e colla sanità del latte. Rendic. Ist. lombardo sc. lett., 1912, 2. ser., **45**: 1004–9.—**Guittonneau, G., Mocquot, G., & Eyrard, A.** Sur la microflore envahissante des laits de consommation; son origine et sa signification dans les contrôles hygiéniques. Bull. Acad. méd., Par., 1937, 3. ser., **118**: 754–9.—**Hoag, E. B.** The bacteria of the dairy. Los Angeles M. J., 1903–04, **1**: 3–6.—**Lesné, E.** Microbes du lait. Clinique, Par., 1907, **2**: 5–7.—**Marshall, C. E.** Milk bacteria. J. Michigan M. Soc., 1906, **5**: 251–8.—**Sagastume, C. A., & Guerello, L. M.** Flora microbiana y valor nutritivo de leches crudas y tratadas. Sem. méd., B. Air., 1924, **31**: pt 2, 1487–96.—**Szász, A.** A tej bakteriumtartalmáról. Közl. összehas. élet & kórt., 1906, **6**: 135–58.—**Wiese, E.** Der Mikrobeninhalt der tierischen Flüssigkeiten, besonders der Milch. Berl. tierärztl. Wschr., 1929, **45**: 545.

—— acid-fast.

Beattie, J. M., & Lewis, F. C. Acid-fast bacilli in milk [Abstr.] J. Path. Bact., Lond., 1913–14, **18**: 122.—**Fondarinov, O. P.** [Coloration of acid-fast bacteria in milk] Arkh. biol. nauk, 1925, **24**: 247.—**Gaiger, S. H., & Davies, G. O.** The occurrence of acid-fast bacteria, other than Mycobacterium tuberculosis, in milk. Vet. Rec., Lond., 1933, **13**: 876–82.—**Gorini, C.** I bacteri acido-presamigeni del latte in rapporto all'igiene della mungitura. Rendic. Ist. lombardo sc. lett., 1906, 2. ser., **39**: 236–42.—**Moretti, E.** Sul destino dei bacilli resistenti agli acidi (simil-tubercolari) del latte del commercio nel tubo gastro-enterico. Morgagni, 1905, **47**: 688–704.—**Palacios, R., & Rojas, J. de D.** Bacilos acido-resistentes en la leche. Rev. Inst. bact. Chile, 1932, **3**: 25–7.

—— Actinomyces.

Chalmers, C. H. Some observations on species of actinomyces found in samples of milk. Zbl. Bakt., 2. Abt., 1932–33, **87**: 1–26.

—— anaerobe.

Einholz, B. E. A. *Anaerobe Sporenbildner der Milch; Reinzüchtung, Bestimmung und Nachweis. 60p. 8° Kiel, 1934.

Dührsen, W. Untersuchungen über das Vorkommen von anaeroben Sporenbildnern in Milch unter Berücksichtigung ihrer sonstigen hygienischen Beschaffenheit. Zbl. Bakt., 2. Abt., 1937, **96**: 35–74, pl.—**Heuser, G., & Krapohl, E.** Hitzebeständige Sporenbildner in der Milch. Zschr. Untersuch. Lebensmitt., 1933, **65**: 429–35.—**Hussong, R. V., & Hammer, B. W.** Anaerobic bacteria in dairy products; numbers of spores of anaerobic bacteria in milk and cream. J. Bact., Balt., 1930, **19**: 89–94. ——— Relationship of anaerobic bacteria to certain abnormal fermentations. Ibid., 95–9.—**Pien, J., Bachimont, J., & Filhol, R.** Sur la recherche du Bacterium coli dans le lait. Lait, 1932, **12**: 903; passim; 1933, **13**: 346; passim.—**Schern, K.** Die Gärkochprobe und die anaeroben Gärkochproben der Milch. Zschr. Infektkr. Haustiere, 1928, **33**: 171–8.

—— Antagonism.

Doskočil, A. [Symbiosis and antagonism of pathogenic microbes with nonpathogenic milk microbes] Cas. lék. česk., 1931, **70**: 517–20.—**Lipska, I.** Les bacilles antityphiques du lait. Lait, 1935, **15**: 113–6.—**Rochaix, A., & Simon, F.** Antagonisme du colibacille et des bactéries putrides dans le lait contaminé. Ann. Inst. Pasteur, Par., 1944, **70**: 313–5.

—— aromatic.

Leck, J. van der. Aromabildende Bakterien in Milch. Zbl. Bakt., 2. Abt., 1906–07, **17**: 366; 481; 647.

—— Bacteriophage.

See also **Milk ferment.**

Dorner, W. Contribution à l'étude de la cause du gonflement des laits au lacto-fermentateur avec une annexe sur l'application du phénomène de d'Hérelle à l'industrie laitière. Lait, 1926, **6**: 505; 655; 850.—**Lipska, I.** El fenómeno de D'Herelle en la leche (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 577–9. Also Lait, 1932, **12**: 88–95.—**Mazé, P.** Sur les bactériophages des ferments lactiques normaux du lait. C. rend. Soc. biol., 1937, **125**: 412–5. ——— Origine des bactériophages des ferments lactiques normaux du lait. Ibid., 1941, **135**: 807. ——— Action de l'intestin humain sur les bactériophages des ferments lactiques normaux du lait. Ibid., 1942, **136**: 655. ——— & **Mazé, P. J.,** fils. Nouvelles recherches sur l'origine des bactériophages des ferments lactiques normaux du lait. Ibid., 1943, **137**: 357.—**Mosimann, W.** Bakteriophagen als Ursache von Fabrikationsstörungen in Milchverarbeitungsbetrieben. Schweiz. Zschr. Path. Bakt., 1946, **9**: 586–91.—**Schioppa, L.** Ricerche sul fenomeno della batteriofagia nei rapporti col latte. Gior. batt. immun., 1936, **17**: 805–8.

—— Biology.

Béjambes, M. La vie microbienne dans le lait. J. méd. fr., 1932, **21**: 425–7.—**Bhagvat, K., & Sekhon, N. S.** Nutritional requirements of L. bulgaricus, L. acidophilus and Streptococcus lactis. Current Sc., Bangalore, 1944, **13**: 45.—**Frazier, W. C., & Whittier, E. O.** Studies on the influence of bacteria on the oxidation-reduction potential of milk. J. Bact., Balt., 1931, **21**: 239; 253.—**Gorini, C.** Stimulation des activités bactériennes dans le lait. C. rend. Acad. sc., 1926, **183**: 250.—**St John, E. Q., & Pennington, M. E.** The relative rate of growth of milk bacteria in raw and pasteurized clean milk. J. Infect. Dis., 1907, **4**: 647–56.

—— Brucella.

See also **Milk serology,** Agglutinin: Brucella.

Blum Martínez, A. *Investigación de la infección por brucelas de la leche de los establos de los sectores urbano y rural de la ciudad de Guayaquil. p.266–316. 25½cm. Guayaquil, 1944.

Rev. ecuator. hig. med. trop., 1944, **1**:

Fuest, J. *Vergleichende Untersuchungen über den Nachweis von Brucella abortus in Einzel- und Gruppenmilchproben [Giessen] 39p. 8° Bottrop, 1935.

Klitzschmüller, P. *Zum züchterischen Nachweis von Brucella abortus in der Milch. 43p. 21cm. Lpz., 1936.

Lerche, M. Abortus-Bang-Bakterien in Milch und Milchprodukten vom Rind. p.253–328. 23cm. Berl., 1931.

Also Zschr. Infektkr. Haustiere, 1931, **38**:

Summa, H. *Vergleichende Untersuchungen zum Nachweis von Bakterium Abortus Bang in Milch [Giessen] 38p. 8° Scheinfeld, 1934.

Treffenstädt, W. *Ueber den färberischen Nachweis der Brucellen in der Milch. 36p. 24cm. Giessen, 1938.

Agius, E. Investigation to detect viable Brucella organisms in pasteurized milk by the guinea-pig inoculation method. Annual Rep. M. Off. Malta (1938) 1939, 91–3.—**Bang, O.,** &

Bendixen, C. El número de bacterias del aborto en la leche de vacas que han abortado (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 587–95.—**Barratt, M. M.** Some observations on the isolation of Brucella organisms from raw milk. J. Comp. Path., Lond., 1935, **48**: 43–50.—**Burri, F.** Untersuchungen von Milch auf Bang-Bazillen und Bang-Agglutinine. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935–37) 1938, No. 37, 1.—**Carpenter, C. M., & Boak, R.** Brucella abortus in milk and dairy products. Am. J. Pub. Health, 1928, **18**: 743–51. ——— Serological studies on the abortus-melitensis group of organisms isolated from milk. Abstr. Papers N. York Ass. Pub. Health Laborat., 1929, 13. meet., 7.—**Damon, S. R., & Fagan, R.** Isolation of Brucella melitensis from cow's milk. Pub. Health Rep., Wash., 1947, **62**: 1097.—**Duke, F. W.** Brucella melitensis in cow's milk. Lancet, Lond., 1940, **2**: 517.—**Ehrlich.** Die Frischmilchschnellagglutination zum Nachweis der Abortus-Bang-Infektion. Zschr. Infektkr. Haustiere, 1937–38, **52**: 163–79.—**Evans, A. C.** The presence of Bacillus abortus in milk. Science, 1915, n. ser., **42**: 352. ——— The large numbers of Bact. abortus var. lipolyticus which may be found in milk. J. Bact., Balt., 1917, **2**: 185.—**Fitch, C. P., & Bishop, L. M.** Brucella abortus in raw market milk. Cornell Vet., 1937, **27**: 37–41. ——— Detection of contamination of raw market milk with Brucella abortus. Ibid., 1939, **29**: 410–5.—**Gilman, H. L.** The elimination of Bact. abortus in the milk of cows. Ibid., 1930, **20**: 106–22.—**Gorlani, A.** La dimostrazione del B. di Bang nel latte. Clin. vet., Milano, 1934, **57**: 522–30.—**Huddleson, I. F.** Procedures for the detection of the Brucella in milk. Am. J. Pub. Health, 1935, **25**: Suppl., 130–3.—**King, M. J.** Brucella abortus infection of milk. N. England J. M., 1929, **201**: 918–23. ——— **& Caldwell, D. W.** Brucella abortus in milk supply as a source of agglutinins in human sera. Am. J. M. Sc., 1929, **178**: 115–21.—**Krol, A. J.** [Isolation of Bacillus abortus Bang in cow's milk] Arkh. biol. nauk, 1930, **30**: 585–92.—**Obukhov, P. F.** [Inspection of marketed milk for Brucella] J. mikrob., Moskva, 1939, No. 7, 94–8.—**Plate, G.** Die Feststellung von Brucella abortus in der Milch bei der Milchüberwachung. Deut. tierärztl. Wschr., 1934, **42**: 537–43.—**Pröscholdt, O.** Zum Nachweis von Abortus-Bang-Bakterien in der Milch. Zschr. Fleisch Milchhyg., 1928–29, **39**: 277.—**Schumann & Lerché.** Beiträge zur Bang-Infektion des Rindes; Untersuchungen von Gesamt- und Einzelmilchproben auf Abortus-Bang-Bakterien. Deut. tierärztl. Wschr., 1930, **38**: 808–13.—**Seelemann, M., & Pfeffer, A.** Zum Nachweis der Brucella abortus Bang in der Milch. Zschr. Infektkr. Haustiere, 1939, **55**: 264–82.—**Smith, J.** Brucella abortus in milk. J. Hyg., Cambr., 1932, **32**: 354–66.—**Stockmayer, W.** Kulturelle Untersuchungen über die Ausscheidung von Bangschen Abortusbazillen mit der Milch. Reichsgesundhbl., 1933, **8**: 790. ——— Die Feststellung von Bangbazillen in Einzel- und Gruppenmilchproben mit Hilfe von Elektivnährböden. Zbl. Bakt., 1. Abt., 1933, **128**: 205–16. ——— Vergleichende Untersuchungen über den Bangbakteriengehalt von Rahm, Butter, Mager- und Buttermilch, sowie Versuche über die Konservierung von Milchproben. Ibid., 1934–35, **133**: 425–35.—**Tarasov, I.** [Conservation of Brucella melitensis in corned sheep meat] In: Brucellosis (Zdrodovski, P.) Moskva, 1937, 419–22.—**Van Drimmelen, G. C.** The viability of Brucella abortus bovis in milk samples from infected cows. J. S. Afr. Vet. M. Ass., 1948, **19**: 58–60.—**Veršilova, P.** [Conservation of Brucella melitensis in sheep-milk and brynza (sheep-milk cheese) In: Brucellosis (Zdrodovski, P.) Moskva, 1937, 407–17.

—— Classification.

Conn, H. W., Esten, W. M., & Stocking, W. A. Classification of dairy bacteria. Rep. Storrs Connecticut Agr. Exp. Station, 1906.—**Gorini, C.** Ueber die Notwendigkeit einer grundlegenden Systematik in der Klassifikation der Milchbakterien. Molkereiztg, 1905, **15**: 517.—**Löhnis, F.** Zur Kenntnis und Benennung der in Milch und Molkereiprodukten vorkommenden Bakterien. Zbl. Bakt., 2. Abt., 1911, **29**: 331–40.—**Wolff, A.** Zur Kenntnis und Benennung der in Milch und Molkereiprodukten vorkommenden Bakterien [mit Erwiderung von F. Löhnis] Ibid., **30**: 341–4.

—— Coli, coliform and intestinal bacteria.

Hausam, W. *Untersuchungen uber Bakterium coli; ein Beitrag zur Kenntnis der Milch-Colibakterien und zur Erforschung ihres Lebenszyklus [Kiel] 78p. 8° Borna-Lpz., 1930.

Holtz, H. *Vergleichende Untersuchungen über den Nachweis des Coligehalts in der Milch. 30p. 8° Giessen, 1937.

Kahmann, T. *Der Coli-Aerogenes-Titer in beanstandeter Milch [Münster] 16p. 8° Quakenbrück, 1935.

Kattan, J. *La valeur des différentes techniques bactériologiques dans la recherche des microbes du groupe E. coli dans le lait [Lausanne] 28p. 23cm. Bienne, 1944.

Abraham, G. Untersuchungen über eine durch ein atypisches Colibakterium hervorgerufene Milchinfektion Zbl. Bakt., 1. Abt., 1929, **113**: 74–80.—**Bartram, M. T., & Black, L. A.** Detection and significance of the coliform group in milk; a comparison of media for use in isolation. Food Res., 1936, **1**: 551–63. ——— Identification of species isolated. Ibid., 1937, **2**: 21–6. ——— Productivity of media used in the isolation of Escherichia-aerobacter from milk. J. Bact., Balt., 1937, **33**: 93. ——— Reaction of Escherichia-aerobacter from milk on Eijkman medium. Ibid., 93.—**Bogdanov, V.** [Method of determination of the titre of microbes of the coli-aerogenes group in milk] Microbiology, Moskva, 1932, **1**: 471–4.—**Castro Marçal, J. M. de.** Da pesquiza e identificação do para-coli bacillo no leite (Bacillus lactis aerogenes) Bol. san., Rio., 1924, **3**: 3; 1925, **4**: 32. ——— **Pinheiro Bravo, L.** [et al.] Pesquiza de germes do grupo cóli-aerógenes, no leite. Rev. brasil. med. farm., 1939, **15**: 1–34.—**Davidson, J. L.** An experience with B. coli contamination of milk. Army Vet. Bull., 1942, **36**: 242.—**Demigneux, M.,** Recherche d'une base pour la colimétrie du lait. Ann. falsif., Par., 1937, **30**: 410–2.—**Di Aichelburg, U.** Osservazioni su stipiti del gruppo Coli-aerogenes isolati dal latte. Gior. batt. immun., 1934, **12**: 481–504. ——— Ricerca e significato dei germi del gruppo coli-aerogenes nel latte. Igiene mod., 1934, **27**: 70; 121.—**Dorner, W.** Le milieu de Stark et England au formiate-ricinoléate dans la colimétrie appliquée à l'industrie laitière. Schweiz. Zschr. Path. Bakt., 1943, **6**: 115.—**Feiner-Bortenstein, E.** [Characteristics of colon bacilli isolated from milk] Med. dośw., 1935, **20**: 285–8.—**Ferraz Lopes, C., & Soares Filho, F.** A colimetria aplicada ao controle de leite cru e leite pasteurizado; seu valor, em correlação com a contagem bacteriana global. Bol. indúst. animal, S. Paulo, 1943, **6**: 46–56.—**Franklin, U. D.** The significance of coliform bacteria in milk. J. M. Ass., Alabama, 1947–48, **17**: 118.—**Gilcreas, F. W.** Determination of coliform bacteria in mllk. Annual Rep. Div. Laborat. N. York State Dep. Health, 1946, 82.—**Griffin, A. M., & Stuart, C. A.** An ecological study of the coliform bacteria. J. Bact., Balt., 1940, **40**: 83–100.—**Interpretation** of the coliform test. Bull. U. S. Army M. Dep., 1945, **4**: 43.—**Jackson, D. D.** The determination of intestinal bacteria in milk. Am. J. Pub. Hyg., 1907–08, n. ser., **4**: 16–8. Also Rep. Am. Pub. Health Ass. (1907) 1908, **33**: pt 11, 101–3.—**Kheshgi, S. M. K.** A study of coliform organisms in milk. Microfilm Abstr. Doct. Diss., 1948, **8**: No. 2, 13.—**Krenn, E., & Rank, B.** Zur Beseitigung hoher Coli-Titer in Molkereimilch. Wien. tierärztl. Mschr., 1946, **33**: 311.—**Lepanto, P.** Ricerche sul contenuto colibacillare nel latte; applicazione della colimetria nella vigilanza igienica del latte. Igiene mod., 1931, **24**: 321–30.—**Lernau, C.** Survey of bacteriological examinations in 103 strains of coliform bacteria isolated from milk; clinical data on the mastitis in infected cows [Hebrew text] Refuah vet., 1947, **4**: 11–6.—**Lerner, M.** [A titer for Bacillus coli in milk] Ned. tschr. hyg. microb., 1931–32, **6**: 81–97. ——— Une méthode de titrage du Bacterium coli dans le lait, le babeurre, le fromage. Lait, 1935, **15**: 833–53.—**Lipska, I.** [Alcalizing bacteria from the group of coli-aerogenes in milk] Med. dośw., 1933, **17**: 320. Also Lait, 1935, **15**: 705–10. ——— Etudes biochimiques sur les bacilles du groupe Coli-aerogenes du lait. Ibid., 1934, **14**: 673–83. ——— Les colibacilles et les coliphages de laitage. Rep. Internat. Congr. Microb. (1939) 1940, 722.—**McGrady, M. H., & Archambault, J.** Examining dairy products for members of the escherichia-aerobacter group. Am. J. Pub. Health, 1934, **24**: 122–8.—**Matui, T., Matusima, H.** [et al.] Gyūnyūtyū no daityō-kinzoku no bunpu zyōtai to sono eisei-teki igi ni tuite [The conditions of distribution of colibacilli in cow's milk and their hygienic significance] Kōsei kagaku, 1948, **7**: 96–8; 53 [Abstr.]—**Minkewitsch, J. E.** Zur Bestimmung des Coliaerogenestiters in Milch. Zbl. Bakt., 1. Abt., 1932, **125**: 125–8.—**Moldavan, A.** A modified technic for the detection of the Escherichia-Aerobacter group in milk. Am. J. Pub. Health, 1935, **25**: 1032.—**Monteverde, J. J.** Investigación de bacterias del grupo coli-aerogenes en leche. Arch. farm. bioquím. Tucumán, 1945, **2**: 353–84.—**Moro, E.** Ueber die Neutralrotreaktion der Milch. Münch. med. Wschr., 1912, **59**: 2553.—**Natvig, H.** Forekomsten av Escherichia og Aerobacter i Oslomelken og deres betydning for den praktiske melkekontroll. Nord. hyg. tskr., 1944, **25**: 205–20.—**Neri, F., & Simonetti, F.** Sulla presenza e sul significato del colibacillo nel latte. Ann. igiene, 1930, **40**: 345–53.—**Piraux, E.** Titration des B. coli aerogenes dans les laits. Lait, 1940, **20**: 257–71, pl.—**Presence** of coliform organisms in milk. Med. Bull. U. S. First Army, 1948, **3**: No. 2, 19.—**Rochaix, A., & Simon, F.** Antagonisme du colibacille et des bactéries putrides dans le lait contaminé. Lait, 1945, **25**: 144–7.—**Rogick, F. A.** Da termoresistência dos germes coliformes do leite. Bol. indúst. animal, S. Paulo, 1942, **5**: No. 4, 154–63.—**Rowlands, A.** The udder as a possible source of coliform organisms in milk. J. Hyg., Lond., 1939, **39**: 454–62.—**Sánchez Marroquín, A., & Alvarado, E.** Bacterias coliformes fermentadoras de pectina; incidencia en la leche y significación sanitaria. Rev. Soc. mex. hist. natur., 1947, **8**: 59–68.—**Sarles, W. B., & Hammer, B. W.** Species of Escherichia-aerobacter organisms responsible for some defects in dairy products. J. Bact., Balt., 1933, **25**: 461–7.—**Skinner, C. E., & Marvin, R. M.** A comparison of media for the detection of coliaerogenes organisms in raw milk. Ibid., 1942, **44**: 255.—**Smit, J., Krol, B. M., & Wijk, A. J. van.** The B. coli test in the routine analysis of raw milk. Antonie van Leeuwenhoek, Amst., 1939–40, **6**: 1–10.—**Solberg, P.** The heat resistance of the Escherichia-Aerobacter bacteria in milk. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 526.—**Stark, C. N., & Curtis, L. R.** Evaluation of certain media for the detection of

colon organisms in milk. Am. J. Pub. Health, 1936, **26**: 354.—**Stuart, C. A., Baker, M.** [et al.] Antigenic relationships of the coliform bacteria. J. Bact., Balt., 1940, **40**: 101–42.—**Valdes Ornelas, O., & Martinez, F. C.** Aislamiento de bacterias coliformes a partir de cremas y mantequillas pasteurizadas. Ciencia, Méx., 1947–48, 8: 284.—**Vassileff, T.** Recherche et numération du coli-bacille dans le lait par la méthode du rouge neutre. Lait, 1932, **12**: 181; 318, pl.—**Zavagli, V.** I germi del gruppo coli-aërogenes nel latte. Ann. igiene, 1933, **43**: 1–31, 3 pl. Also German transl., Zschr. Infektkr. Haustiere, 1933, **45**: 110–34.

—— Colonization.

Diehm, M. M. *The nature of the pin-point colonies in raw and pasteurized milk. 14p. 8° Phila., 1929.

Also J. Infect. Dis., 1929, **45**: 61–72.

Morris, C. S., & Edwards, M. A. Limitations of the colony count test for assessing the total number of viable bacteria in raw and heated milk. Nature, Lond., 1947, **160**: 434.

—— Control.

See **Milk control; Milk quality: Milk testing.**

—— Corynebacterium.

Bendixen, H. C. Untersuchungen über die in aseptisch entnommenen Milchproben vorkommenden Korynebakterien (Euterkorynebakterien) Zschr. Infektkr. Haustiere, 1932–33, **43**: 106–25.—**Black, L. A.** The probable identity of diphtheroids isolated from aseptically-drawn milk with Corynebacterium bovis and Bacterium lipolyticum. J. Bact., Balt., 1941, **41**: 99.

—— Count.

See also **Milk storage,** Keeping quality.

Backofen, O. M. *Keimbestimmung in frischer Milch durch mikroskopisches Auszählen. 21p. 8° Lpz., 1920.

De Filippis, V. Osservazioni sulla carica batterica del latte crudo; alcuni fattori delle cariche batteriche irriducibili e loro incidenza stagionale. p.455–517. 24cm. Genova, 1939.

Igiene mod., 1939, **32**:

Heinert, G. *Ueber die mikroskopische Keimzahlbestimmung in der Milch. 49p. 21cm. Lpz., 1936.

Abele, C. A. Results of bacterial plate counts of milk on three media and at two temperatures of incubation. Am. J. Pub. Health, 1939, **29**: 821–46. ——— **& Damon, S. R.** A comparison of plate counts of raw milk on the old standard nutrient agar and on the new standard tryptone-glucose-extract-milk agar. J. Milk Techn., 1939, **2**: 222–6.—**Albus, W. R.** Some observations on the plate-count method of enumerating bacteria in milk. J. Bact., Balt., 1928, **16**: 269–77.—**Arroyo, J.** El metodo de Breed para la numeración de bacterias en la leche y su aplicación para el mismo objeto. Bol. Dep. salub. púb., Méx., 1942, **5**: 103–10.—**Arroyo Avila, A.** ¿Es inútil la cuenta de gérmenes en la leche, desde el punto de vista de la higiene pública? Salubridad, Méx., 1931, **2**: 40–5.—**Bacterial** plate count of milk. Bull. U. S. Army M. Dep., 1944, No. 81, 18.—**Biddle, E. S.** A comparative study of the blood plate, Hotis test and Breed smear as used for the laboratory diagnosis of bovine mastitis. North Am. Vet., 1944, **25**: 476–9.—**Bigger, J. W., & Griffiths, L. L.** A weighted mean method of averaging bacterial counts of milk. J. Bact., Balt., 1933, **25**: 253–60.—**Bogdanoff, W. M.** Une nouvelle méthode de numération directe des microbes du lait. Lait, 1934, **14**: 37–48.—**Breed, R. S.** The accuracy of bacterial counts from milk. Am. J. Pub. Health, 1927, **17**: 604–6.—**Bryan, C. S., Devereux, E. D.** [et al.] Some farm procedures that affect the bacteria count of milk. Vet. Bull., Lond., 1943, **13**: 190 (Abstr.)—**Buice, W. A.** The possibilities of the Breed microscopic count of bacteria in milk, considered from the statistical point of view. Zbl. Bakt., 2. Abt., 1933–34, **89**: 387–98.—**Campbell, H. C.** Biochemic reactions and the bacterial count of milk. Rep. Bur. Animal Indust., 1913, **28**: 195–224, pl.—**Campbell, J. J. R., & Konowalchuk, J.** Comparison of drop and pour plate counts of bacteria in raw milk. Canad. J. Res., 1948, **26**: E, 327–9.—**Carrieu, M. F.** De la numération des germes du lait par la méthode de Skar. Lait, 1929, **9**: 1047–51.—**Caserio, E., & Peragallo, F.** Sulla tecnica del conteggio della carica batterica del latte. Ann. igiene, 1934, **44**: 978–85.—**Castro Marçai, J. M. de.** Métodos de contagem de germes; sua aplicação ao leite. Rev. brasil med. farm., 1940, **16**: 36–79.—**Clarenburg, A.** Recherches systématiques sur la méthode de Frost des petites cultures sur lames pour le dénombrement des bactéries vivantes dans le lait. Lait, 1927, **7**: 321–36.—**Courtney, J. L.** A study of variability in duplicate standard plate counts as applied to milk. J. Bact., Balt., 1947, **53**: 372.—**Doberska-Mayowa, I.** [Value of Skar's method in determination of bacilli in milk] Med. dośw., 1932, **15**: 247–52.—**Dorner, W.** Sobre la precisión del método de extensión de Burri, para el contaje de los bacilos de la leche y límites de utilización de este método. Rev. hig. san. pecuar., Madr., 1931, **21**: 671. ——— **& Demont, P.** Recherches sur le procédé Burri de numération bactérienne par stries. Lait, 1931, **11**: 909; 1005.—**Field, H. I., & Smith, H. W.** The examination of milk samples for mastitis; the comparative value of deep blood plating and incubated smears in diagnosis. Vet. Rec., Lond., 1944, **56**: 425.—**Fisher, M. R.** Common causes for intermittent high bacterial count and positive phosphatase tests. J. Milk Techn., 1940, **3**: 260–3.—**Garlinfanti, E.** Un metodo facile e preciso per la determinazione della carica microbica del latte in terreni liquidi. Ann. igiene, 1942, **52**: 15–22.—**Hanks, J. H., & James, D. F.** The enumeration of bacteria by the microscopic method. J. Bact., Balt., 1940, **39**: 297–305.—**Heinemann, P. G., & Glenn, T. H.** A comparison of practical methods for determining the bacterial content of milk. J. Infect. Dis., 1908, **5**: 412–20.—**Hilgermann & Spranger.** Vergleichende Untersuchungen über die Brauchbarkeit des Skarschen Keimzählungsverfahrens zur Bestimmung des Bakteriengehaltes der Milch. Arch. Hyg., Münch., 1927, **98**: 37–42.—**Iverson, C.** The relation of total acidity to the bacterial content of rural city milk; a consideration of the Wyatt Johnston loop method of estimating the bacterial content. Physician & Surgeon, 1908, **33**: 157–64.—**Leete, C. S.** Studies with a different method of appraising standard plate counts. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 28–45.—**Marcus, T.** Low bacteria counts in milk with tryptone agar at 32° C. J. Milk Techn., 1940, **3**: 103.—**Matui, T.** Gyūnyū saikin kensa no tyokusetu kyōken-hō ni okeru saikin keisoku-hō [A method of bacteria count by means of direct microscopic count in the examination of cow's milk] Sanitation, Tokyo, 1948, **1**: 9; 27.—**Messner, E.** Cantidad de gérmenes en las leches producidas por glándulas sanas. An. Fac. vet., Montev., 1937, No. 1, 11–40.—**Morgan, M. E., Anderson, E. O., & Plastridge, W. N.** Mastitis and the plate count of milk. J. Am. Vet. M. Ass., 1942, **101**: 148 (Abstr.)—**Münchberg, F.** Beitrag zur Keimzahlbestimmung in Milch nach dem Objektträgerkulturverfahren. Wien. tierärztl. Mschr., 1949, **36**: 733–5.—**Nelson, F. E.** The effect of the new standard milk agar on the plate count of dairy products. J. Bact., Balt., 1940, **39**: 263–72.—**Neukomm, A.** Le contrôle bactériologique du lait par la méthode de Skar. Schweiz. Arch. Tierh., 1927, **69**: 1–25.—**Newman, R. W.** One solution technique for direct microscopic counting of bacteria in milk. Proc. Soc. Exp. Biol., N. Y., 1926–27, **24**: 323–5.—**Pederson, C. S., & Yale, M. W.** Effect of temperature of incubation upon agar plate count of milk. Am. J. Pub. Health, 1934, **24**: 477–84.—**Pien, J., & Baisse, J.** Sur la numération directe des microbes du lait. Lait, 1931, **11**: 705–11.—**Pozzi-Escot, E.** A propos d'une nouvelle méthode de numération directe des microbes du lait. Ibid., 1934, **14**: 494.—**Raalte, A. van, & Lerner, M.** [Estimation of number of bacteria in milk] Ned. tschr. hyg. microb., 1929–30, **4**: 212; 312.—**Rosenau, M. J.** The number of bacteria in milk and the value of bacterial counts. Pub. Health Rep., Wash., 1908, No. 41, 421–45.—**Schultz, E. W., Marx, A., & Beaver, H. J.** The relationship between the hydrogen-ion concentration and the bacterial count of cow's milk (a preliminary report) Abstr. Bact., Balt., 1921, **5**: 7.—**Soares Filho, F.** Apreciação bacteriológica sôbre leite ordenhado mecanicamente. Bol. indúst. animal, S. Paulo, 1941, **4**: No. 3, 180–3.—**Tallo, F., & Parrino, G.** Il nitroantrachinone quale rivelatore della carica batterica del latte. Cult. med. mod., Pal., 1937, **16**: 148–55.—**Thornton, H. R.** The changing methods for the quantitative estimation of bacteria in milk. Canad. Pub. Health J., 1938, **29**: 270–6.—**Verona, O.** Sulla determinazione della carica microbica nel latte. Riv. ital. igiene, 1946, **6**: 140–6.—**Wachter.** Discrepancies in milk counts. Abstr. Papers N. Y. Ass. Pub. Health Laborat., 1931, Mid-yr meet., 12.—**Yamada, T.** Gyūnyū-tvū no saikin-sū no heihan-ne oyobi Breed-ne ni tuite [The flat-plate value and Breed's value of the bacteria numbers in cow's milk] Igaku & seibutugaku, 1947, **11**: 307.

—— Culture.

See also **Milk bacteriology,** Culture media.

Black, L. A., & Brueckner, H. J. The isolation, cultivation and nature of primitive forms of bacteria in milk and milk products. J. Bact., Balt., 1940, **39**: 95.—**Burri, R.** Les cultures en stries pour remplacer les cultures sur plaques. Lait, 1929, **9**: 1028–31.—**Gambrell, G. C., & Ostrolenk, M.** Control of dust contamination in agar pour plate analysis of milk. Food Res., 1945, **10**: 303–7.—**Hökl, J., & Svoboda, J.** Ustalanie ilości bakterii w mleku metodą wysiewania [Determination of the bacteria present in milk by the artificial cultivation method] Med. wet., Warsz., 1949, **5**: 243–50.—**Kleckner, A. L.** The microscopic examination of incubated milk samples; method and application in detecting infection of the bovine udder. North Am. Vet., 1942, **23**: 386–9.

—— Deterioration of milk.

See also **Milk fermentation; Milk Modification Milk (sour)**

Louis, P. *Contribution à l'étude des altérations bactériologiques et cryptogamiques du lait; altérations secondaires [Strasbourg] 123p. 24½cm. Beauvais, 1939.

LOUIS-MÉRER, Y. *Les altérations bactériologiques et cryptogamiques du lait, altérations primitives [Strasbourg] 133p. 24½cm. Beauvais, 1938.

Burri, R., & Duggeli, M. Bakteriologischer Befund bei einigen Milchproben von abnormaler Beschaffenheit. Zbl. Bakt., 2. Abt., 1905–06, **15:** 709–22.—**Eigen, I. I.** Otnošenie različnykh mikroorganizmov, kultiviruemykh v moloke, k reakcii Shardingera. Vest. obshch. vet., 1912, **24:** 768–80.—**el-Gheriani.** Les germes de la putréfaction et leurs effets sur l'état hygiénique du lait. Lait, 1940, **20:** 243.—**Filadeljefov, S. N.** Izmenenie sostava moloka pri čistoj razvodke sarciny. Vet. obozr., 1908, **10:** 420.—**Häni, J.** Versuche über die unter dem Einfluss der Bakterienentwicklung in der Milch auftretenden Veränderungen, ein Beitrag zur Abklärung des Begriffes der erstickten Milch. Mitt. Lebensmitteluntersuch., Bern, 1937, **28:** 315; 1938, **29:** 57.—**Jensen, C. O.** Bacteriological investigations on certain milk and butter faults. In his Select. Papers, Kbh., 1948, **1:** 42–85, pl.—**S.** Modifications du lait sous l'influence des bactéries et odeur de renfermé du lait. Schweiz. Apoth. Ztg. 1941, **79:** 721.

—— Enterococcus.

Henneberg, G. Milchbakteriologische Festellungen zur Enterokokkenfrage. Zbl. Bakt., 1. Abt., 1936, **138:** 75–83.—**Turner, G. E., & Smith, F. R.** Sources of hemolytic enterococci found in milk. J. Milk Techn., 1941, **4:** 183–6.—**White, J. C., & Sherman, J. M.** Occurrence of enterococci in milk. J. Bact., Balt., 1944, **48:** 262.

—— fecal.

See also subheading (Coli, etc.)

BAUMANN, J. Untersuchungen über die milchwirktschaftlich wichtigen Bakterien in den Faeces des Rindes [Zürich] 67p. 8°. Bern, 1934.

VOGELER, L. H. A. *Ueber sporenbildende Bakterien im Darmkot des gesunden Rindes unter der Berücksichtigung ihrer Bedeutung für die Milchwirtschaft [Kiel] p.180–227. 8°. Berl., 1930.

Also Milchwirtsch. Forsch., 1930, **10:**

Maulhardt, J. Klassifizierung der in Kot und Milch vorkommenden, gramnegativen, Milchzucker vergärenden Bakterien. Arch. Mikrob., Berl., 1930, **1:** 165–75.

—— Fungi.

Cummins, H. A., Kennelly, V. C. E., & Grimes, M. A study of fungi found in milk. Sc. Proc. R. Dublin Soc., 1928–29, **19:** 311–9, 2 pl. ——— Etude des champignons trouvés dans le lait, la crème et le beurre (transl.) Lait, 1932, **12:** 894; 1071.

—— gas-producing.

Eckles, C. H. A method of isolating and counting gas producing bacteria in milk. Proc. Iowa Acad. Sc. (1900) 1901, **8:** 144.—**Gruber, T.** Die beweglichen und unbeweglichen aëroben Gärungserreger in der Milch. Zbl. Bakt., 2. Abt., 1906, **16:** 654; 711.—**Harrison, F. C.** A comparative study of sixty-six varieties of gas-producing bacteria found in milk. Rev. gén. lait, 1904–05, **4:** 265; passim. Also Zbl. Bakt., 2. Abt., 1905, **14:** 359; 472.

—— indol-producing.

Prescott, S. C. A note on the indol-producing bacteria in milk. Science, 1906, n. ser., **23:** 212.

—— Industrial use.

See also **Milk product,** Cheese: Manufacture.

Gorini, C. Die säure- und lab-erzeugenden Bakterien in ihren Beziehungen zur Milchgewinnung. Molkereiztg, 1907, **17:** 349.—**Kelly, C. D.** Les levains lactiques en laiterie et les organismes qu'on y trouve (transl.) Lait, 1932, **12:** 703–17.—**Wolff, A.** Milchwirtschaftliche Bakteriologie. Zbl. Bakt., 2. Abt., 1910, **28:** 417–22.

—— Interpretation of findings.

See also **Milk analysis,** Leukocytes.

Burrow, H. The bacterial contamination of milk and its significance. J. R. San. Inst., 1931, **52:** 234–44. Also Vet. Rec., Lond., 1931, **11:** 1295–302.—**Davies, G. O.** The significance of (a) acid-fast bacilli, (b) Bacillus coli in milk. Nat. Vet. M. Ass. Gr. Britain, 1933, 2–10. Also Vet. Rec., Lond., 1933, **13:** 1046–61.—**Dupont, M. C.** Etudes bactériologiques sur le lait; microflore mammaire anormale. Lait, 1931, **11:** 29–35.—**Gabbano, L.** Il significato ed il valore dell'esame batteriologico del latte. Igiene mod., 1931, **24:** 129–38.—**Harris, N. M.** The relative importance of streptococci and leucocytes in milk. J. Infect. Dis., 1907, Suppl. No. 3, 50–62. Also Rep. Am. Pub. Health Ass. (1906) 1907, **32:** pt 2, 50–62.—**Kirchensteins, A.** Sur la présence des leucocytes et des microbes dans le lait, ainsi que d'autres éléments organisés; contribution au controle bactériologique du lait. Mitt. Lebensmitteluntersuch., Bern, 1917, **8:** 121–47.—**Klein, L. A., & Learmonth, R.** Significance of streptococci, and a high leukocyte count, H-ion concentration and chlorine content in cow's milk. J. Am. Vet. M. Ass., 1935, **86:** 600–19.—**Meinert & Weigmann.** Ueber den Gehalt der Milch an Leukocyten oder Streptokokken und seine Bedeutung für die hygienische Beurteilung der Milch. Molkereiztg, 1909, **17:** 182; 195.—**Miller, W. W.** The significance of leucocytes and streptococci in milk. Pub. Health Rep., Wash., 1908, No. 41, 479–86.—**Prouty, C. C.** To what extent should bacterial counts of milk be given publicity? J. Milk Techn., 1941, **4:** 32–7.—**Rogers, L. A.** The significance of bacteria in milk. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4:** 146–52.—**Slack, F. H.** The significance of pus and streptococci in milk. Am. Vet. Rev., 1914, **44:** 716–22.—**Snyder, J. R.** The relation of bacterial count in milk to diseases in children consuming it. South. M. J., 1922, **15:** 33–7.

—— iron-producing.

Mudge, C. S. The presence of iron depositing bacteria in milk. Proc. Soc. Exp. Biol., N. Y., 1925–26, **23:** 725.

—— Lactobacillus.

See also **Lactobacillus; Milk fermentation; Milk (fermented) Milk (sour)**

Caswell, M. C., Koditschek, L. K., & Hendlin, D. The microbiological estimation of Lactobacillus lactis Dorner activity with vitamin B_{12} as a standard. J. Biol. Chem., 1949, **180:** 125–31.—**Koditschek, L. K., Hendlin, D., & Woodruff, H. B.** Investigations on the nutrition of Lactobacillus lactis Dorner. Ibid., **179:** 1093–102.—**Kopeloff, N., & Beerman, P.** L. acidophilus versus L. bulgaricus milk feeding. Proc. Soc. Exp. Biol., N. Y., 1924–25, **22:** 318.—**Peppler, H. J.** Influence of time and temperature of incubation and of storage on the heat resistance of thermoduric lactic acid bacteria. Summaries Doct. Diss. Univ. Wisconsin, 1940, **4:** 11–3.—**Ritter, P.** Beitrag zur Frage der Disposition der Milch als Nährboden einiger wichtiger Milchsäurebakterien; vorläufige Mitteilung. Schweiz. Zschr. Path. Bakt., 1947, **10:** 440–3.—**Speck, M. L., & Myers, R. P.** The viability of dried Lactobacillus bulgaricus cultures as affected by the temperature of the reconstituting fluid. J. Bact., Balt., 1946, **51:** 587. ——— The viability of dried skim-milk cultures of Lactobacillus bulgaricus as affected by the temperature of reconstitution. Ibid., **52:** 657–63.

—— lipolytic.

Long, H. F. A study of some lipolytic microorganisms isolated from dairy products. J. Sc. Iowa Coll., 1936–37, **11:** 78–80.

—— Micrococcus.

HOUSTON, A. C. The bacteriological examination of milk in relation to standards. 48p. 33cm. Lond., 1905.

STOLZE, H. H. *Pathogene Mikrokokken in der Milchwirtschaft unter besonderer Berücksichtigung der physiologischen Eigenschaften [Kiel] p.381–412. 8°. Berl., 1930.

Also Milchwirtsch. Forsch., 1930, **10:**

Boi, F. Ricerche sui caratteri differenziali fra stafilococchi delle infezioni contagiose mammarie degli ovini e dei caprini e stafilococchi saprofitici del latte. Biochim. ter. sper., 1940, **27:** 103–14.—**Harned, H. H.** A classification of the proteolytic micrococci isolated from dairy products. J. Sc. Iowa Coll., 1939–40, **14:** 43–5.—**McDiarmid, A.** The carriage of Staphylococcus aureus in the milk and on the teats of normal cows. Vet. Rec., Lond., 1947, **59:** 11.—**Plastridge, W. N., Weirether, F. J., & Williams, L. F.** Observations on staphylococci associated with bovine mastitis. J. Bact., Balt., 1936, **31:** 88.—**Thöni, J., & Thaysen, A. C.** Micrococcus mucofaciens n. sp., ein Milchschädling. Mitt. Lebensmitteluntersuch., Bern, 1912, **3:** 335–41.—**Velilla, D. M., Faber, J. E.,** jr, **& Pelczar, M. J.,** jr. A technique for the isolation of coagulase-producing staphylococci from milk in bovine mastitis. Am. J. Vet. Res., 1947, **8:** 275–9.

—— Oidium.

RITTER, U. E. W. *Ueber Oospora-(Oidium-) Arten beziehungsweise Rassen aus Milch und Milcherzeugnissen; mit besonderer Berücksichtigung des Eiweissabbaus in Milch durch Reinkulturen und Mischkulturen mit den 5 wichtigsten Begleitorganismen von der Käseoberfläche [Kiel] p.163–200. 8°. Berl., 1930.

Bergdolt, E. Ueber das Spiralwachstum von Oidium lactis; ein Beitrag zur Kenntnis der Entwicklungsmechanik der Pilze. Arch. Mikrob., Berl., 1931, **2:** 591–600.

—— pathogenic.

See also **Milkborne disease, Infection.**

Disease-producing organisms in milk. Canad. Pub. Health J., 1934, **25**: 15.—**Gofton, A.** Bacterial contamination of milk. Vet. Rec., Lond., 1920–21, **33**: 84; 96.—**Gorini, C.** Bactéries pathogènes, ferments mixtes du lait. C. rend. Acad. sc., 1927, **184**: 1355. ——— Sulla diffusionc della proprietà di fermento misto fra i batteri patogeni. Policlinico, 1928, **35**: Sez. prat., 175–82.—**Henneberg.** Los organismos nocivos que se encuentran más frecuentemente en Alemania, en la leche, la mantequilla y el queso. Rev. hig. san. pecuar., Madr., 1931, **21**: 673.—**Humphrey, E. W.** Milk infection. Northwest. Lancet, 1904, **24**: 441–5.—**Mati, S.** [Ueber das Schicksal der in der Kuhmilch gemischten pathogenen Bakterien] Acta paediat. jap., 1939, **45**: Suppl., 42 (Abstr.)—**Patterson, J. N.** Milk may contain bacteria both disease producing and non-disease producing. Health Notes, Jacksonv., 1941, **33**: 71–3.—**Pullinger, E. J.** The incidence of tubercle bacilli and Brucella abortus in milk. Lancet, Lond., 1934, **1**: 967–71.—**Rühmekorf.** Zur Methodik der hygienischen Milchuntersuchung; ein Beitrag zur Beurteilung von Krankheitserregern in Handelsmilch. Zschr. Fleisch Milchhyg., 1929–30, **40**: 337–41.—**Schroeder, E. C., & Cotton, W. E.** An undescribed pathogenic bacterium in milk. Am. Vet. Rev., 1911, **40**: 195–206.—**Türk, W.** Ueber einen Fall von Verseuchung der Milch durch Coccidium oviforme und Bacterium coli varietas dysentericum. Hyg. Rdsch., 1914, **24**: 1181–6.—**Verge, J.** Sur la teneur en bacilles de Koch (Mycobacterium tuberculosis) et en bacilles de Bang (Brucella abortus bovis) des laits mis en vente dans la région parisienne. Bull. Acad. méd., Par., 1945, **129**: 432–5.—**Wahby, A. M.** Review of studies on the viability of pathogenic bacteria in milk. J. Egypt. M. Ass., 1935, **18**: 623–32.—**Wedemann.** Der Einfluss der Milchsäuregärung auf in Milch enthaltene pathogene Keime. Zbl. Bakt., 1. Abt., 1925–26, **97**: 50–5.

—— peptonizing.

Fouassier, M. La présence des germes peptonisants et thermorésistants dans les laits. Lait, 1928, **8**: 563–74.—**Krassovskaja-Kolossova, N. V.** [Determination of milk polluted with peptonizing bacteria] Hig. epidem., Moskva, 1929, **8**: 9–15.

—— Prevention.

See also **Milk pasteurization; Milk purification; Milk sterilization.**

Curran, H. R., Evans, F. R., & Leviton, A. The germicidal activity of hydrogen peroxide upon bacterial spores. Rep. Internat. Congr. Microb. (1939) 1940, 3. Congr., 721.—**Laurent, D.** Note concernant la protection du lait contre l'invasion microbienne dans la pratique industrielle par l'emploi de la pénicilline. Concours méd., 1947, **69**: 2082.

—— proteolytic.

Frazier, W. C., & Rupp, P. Studies on the proteolytic bacteria in milk; a medium for the direct isolation of caseolytic milk bacteria. J. Bact., Balt., 1928, **16**: 57–60, 2 pl. ——— Action of proteolytic bacteria of milk on milk. Ibid., 65–78. ——— Action of proteolytic milk bacteria on amino acids and other simple nitrogenous compounds. Ibid., 231–45.—**Rotkopfówna, N.** [On the method of isolation of proteolytic (caseolytic) aerobic bacteria of milk and their properties] Med. dośw., 1933, **16**: 505–17.

—— Pseudomonas.

Fettick, O. Erdbeergeruch erzeugendes Bakterium (Pseudomonas fragaroidea Huss) als Ursache eines Milchfehlers. Zschr. Fleisch Milchhyg., 1911, **21**: 280–3.—**Maccolini, R.** La frequenza ed il significato del proteobacillo nel latte. Ann. igiene, 1939, **49**: 501–22.

—— Resistance.

Bondioli, M. Azione della formalina sulla flora batterica del latte. Gior. biol. appl., 1931, **1**: 57–62.—**Demeter, K. J.** Influencia de la plata de catadina sobre la microflora de la leche. Rev. hig. san. pecuar., Madr., 1931, **21**: 666–71.—**Orefice, E.** Critica clinico-sperimentale del lavoro di Behring Säuglingsmilch und Säuglingssterblichkeit; sul modo di comportarsi del bacillo del fieno nel latte trattato con varii mezzi. Pediatria, Nap., 1905, 2. ser., **3**: 166–71.

—— Saccharomyces.

Sparapani, J. C. De l'action biologiquement antiseptique et antitoxique du Saccharomyces sardus sur les microbes pathogènes du lait et sur leurs toxines. Lait, 1931, **11**: 254–6.—**Valagussa, F.** Sulla presenza dei saccaromiceti nel latte di vacca; azione di essi nel trattamento di alcune malattie acute dell'intestino del bambino. Riv. clin. pediat., 1905, **3**: 889–96.

—— Salmonella.

Fischer, G. Untersuchungen nach der Methode von Wassén über Diagnostik und Lebensverhältnisse des Bac. paratyphi B. in frischer und sauer werdender Milch. Acta path. microb. scand., 1930, **7**: 366–87.—**Gorino, C.** La coagulation du lait par B. typhosus et par d'autres bactéries considérées comme inactives sur le lait. C. rend. Acad. sc., 1932, **195**: 187.—**Klein, E.** The occurrence of Bacillus enteritidis (Gaertner) in cows' milk. Tr. Path. Soc. London, 1904–05, **56**: 132–5.—**Maccolini, R.** Le salmonelle e le pseudosalmonelle nel latte. Gior. batt. immun., 1940, **24**: 117–52.—**Standfuss, R., & Wilken, H.** Ueber die Ausscheidung von Enteritis-Bakterien durch die Milch und deren Nachweis bei Rindern. Deut. tierärztl. Wschr., 1933, **41**: 721–6.

—— saprophytic.

Weigmann, H. Die Saprophyten der Milch. p.328–404. 26½cm. Wiesb., 1909.
In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909.

Bessau. Die Saprophyten der Milch und ihre Bedeutung. Acta paediat., Upps., 1933, **16**: 299–324; Disc., 369–75. Also Deut. med. Wschr., 1933, **59**: 1419; 1461. Also in Scr. med. R. Jemma, Milano, 1934, **1**: 175–93.—**Lafforgue, B., & Andrieu, G.** L'action pathogène de certains saprophytes ou pseudo-saprophytes du lait. Paris méd., 1936, **99**: 33–6.—**Schern, K.** Sobre la influencia de algunos gases en la flora bacteriana saprofítica de la leche. Arch. Soc. biol. Montevideo, 1935–36, **6**: 232–8.

—— Source.

See also **Milk contamination.**

Bergey, D. H. Source and nature of bacteria in milk. 40p. 8° Harrisb., 1904.
Forms Bull. 125 of Pennsylvania Dep. Agr.

Steck, W. Die latente Infektion der Milchdrüse vom pathologisch-physiologischen und milchwirtschaftlichen Standpunkt. 111p. 8° Hannover, 1930.

Wigger, A. *Untersuchungen über die Bakterienflora einiger Kraftfuttermittel in frischem und gärendem Zustande mit besonderer Berücksichtigung ihrer Einwirkung auf Milch. 232p. 8° Zür., 1913.
Zbl. Bakt., 1914, **41**: 1–232.

D'Heil. Beitrag zur Frage des Bakteriengehaltes der Milch und des Euters. Zschr. Fleisch Milchhyg., 1905–06, **16**: 84.—**Diffloth, P.** Des causes d'infection du lait. Presse méd., 1904, **1**: 404.—**Gorini, C.** Die frischen, gelagerten und getrockneten Rübenschnitzel in Beziehung zur Mikroflora und gesundheitlichen Beschaffenheit der Milch. Zbl. Bakt., 2. Abt., 1912, **34**: 35–40.—**Hanuš, J., & Stýblová, A.** Reinfekce mléka a infekce mléčných výrobků. Výzkum. prům. výživ., 1949, 37.—**Haupt, H.** Ueber die Ausscheidung von Staphylokokken, Corynebakterien und Abortusbacillen mit der Milch einer galtkranken Kuh. Arch. wiss. prakt. Tierh., 1934, **68**: 208–14.—**McEwen, A. D., & Samuel, J. M.** The experimental bacterial contamination of the inner structure of the teats and the milk of cows. Vet. Rec., Lond., 1946, **58**: 485–7.—**Mašek, J.** Sur la réinfection du lait dans les laiteries. Lait, 1935, **15**: 110–2.—**Prucha, M. J., Harding, H. A., & Weeter, H. M.** Utensils as a source of bacterial contamination of milk. Science, 1915, n. ser., **42**: 353.—**Wolff, A.** Zur Frage nach den Beziehungen zwischen Bakterienflora der Milch und der Weide. Zbl. Bakt., 2. Abt., 1913, **39**: 411–9.

—— Staining.

Dorner, W. Un procédé simple pour la coloration des spores. Lait, 1926, **6**: 8–12, pl.—**Guittonneau, G., & Brigando, J.** Observations rélatives à la coloration des microbes préalablement chauffés dans le lait. Ibid., 1936, **16**: 577–87.—**Strugger, S.** Zum heutigen Stand der Akridinoorangefärbung lebender und toter Bakterien auch für die Milchuntersuchung. Zschr. Fleisch Milchhyg., 1943–44, **54**: 161.

—— Standards.

See also **Milk grading, Standards; Milk testing, Methylene-blue reduction test.**

Seibold, E. *Ueber den Keimgehalt unter aseptischen Kautelen gewonnener Milch und dessen Bedeutung für die Praxis [Giessen] 26p. 8° Jena, 1910.

Brueckner, H. J., & Sherman, J. M. Primitive or filtrable forms of bacteria and their occurrence in aseptic milk. J. Infect. Dis., 1932, **51**: 1–16.—**Daránvi, J.** Bakteriologische Untersuchung der aseptisch gewonnenen Kuhmilch. Arch. Hyg., Münch., 1941–42, **127**: 1–6. Also Bull. Hyg., Lond., 1942, **17**: 421 (Abstr.)—**Gamova-Kalukova, N. I.** [Norms in relation to the bacteriology of products of children's milk kitchens] Hig. & san., Moskva, 1945, **10**: No. 10, 26–9.—**Gorrieri, I.** Contributo alla conoscenza della microflora propria del latte. Ann. igiene, 1933, **43**: 257–64.—**Harrison, F. C., & Cumming, M.** The bacterial flora of freshly drawn milk. J. Appl. Micr., 1902, **5**: 2086; 1903, **6**: 2130; 2181.—**Lignières, J.** La recherche des qualités normales du lait par la

culture de microbes appropriés. C. rend. Soc. biol., 1919, **82**: 1094–6.—**Selbold, E.** Ueber den Keimgehalt unter aseptischen Kautelen gewonnener Milch und dessen Bedeutung für die Praxis. Molkerei ztg, 1910, **20**: 554. Also Zbl. Bakt., 1. Abt., 1910, **55**: Orig., 301–26.—**Thornton, H. R., & Strynadka, N. J.** The numbers and kinds of bacteria in aseptically drawn milk. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 178–91.—**Vitéz, I.** Az aseptikusan nyert tej bacteriumtartalmáról. Népegészségügy, 1941, **22**: 1467–75.

—— Streptococcus.

BAEHR, J. *Vorkommen und Bedeutung der Streptokokken in der Milch [Bern] 74p. 8° Münch., 1910.

RULLMANN, W. Ueber den Enzym- und Streptokokkengehalt aseptisch entnommener Milch. p.81–144. 24cm. Münch., 1911.

Arch. Hyg., Münch., 1911, **73**:

Beahm, E. H. A bacteriological study of the streptococci isloated from raw retail milk. Am. J. Hyg., 1942, **36**: 147–52.—**Bendixen, H. C., & Minett, F. C.** Excretion of Streptococcus pyogenes in the milk of naturally infected cows. J. Hyg., Lond., 1938, **38**: 374–83, pl.—**Berg, W. v. d.** Een nieuwe methode ter onderkenning van streptococcen en staphylococcen in de melk van klinisch normale uiers. Tschr. diergeneesk., 1940, **67**: 8.—**Bergey, D. H.** The leukocyte and streptococcus content of cows' milk. Univ. Pennsylvania M. Bull., 1907–08, **20**: 106–19.—**Boffa, U.** Streptocoques hémolytiques du lait. Boll. Sez. ital. Soc. internaz. microb., 1934, **6**: 226–8. Also Atti Congr. naz. microb. (1934) 1935, 5. Congr., 310–2.—**Bornand, M.** La signification et la recherche du streptocoque dans le lait. Mitt. Lebensmitteluntersuch., Bern, 1927, **18**: 326–32. Also Lait, 1928, **8**: 789–95.—**Brown, J. H.** The streptococci of milk with special reference to human health. Vet. Bull., Wash., 1933, **27**: 372–8. ——— Significance of the hemolytic streptococci found in milk. Cornell Vet., 1937, **27**: 110–21. ——— & **Orcutt, M. L.** Dairy infection with streptococcus. J. Exp. M., 1920, **3**: 49–70.—**Davis, D. J.** The hemolytic streptococci found in milk; their significance and their relation to streptococci of human origin. J. Bact., Balt., 1916, **1**: 83.—**Dechigi, M.** Come si differenziano gli streptococchi beta–emolitici del latte normale e patologico. Boll. Ist. sieroter. milan., 1935, **14**: 313–42.—**Ferguson, J.** The significance of long-chained streptococci in Breed smears of market milk. Cornell Vet., 1941, **31**: 183–92. Also Rep. N. York State Vet. Coll. (1940–41) 1942, 93–9.—**Fonyó, J.** Ueber die biochemischen Eigenschaften der aus Rohmilch gezüchteten hämolytischen Streptokokken. Biochem. Zschr., 1941, **308**: 78–82.—**Frost, W. D., & Carr, A. M.** A dairy infection with Streptococcus epidemicus Davis. Am. J. Pub. Health, 1927, **17**: 139–41.—**Gilbert, R., & Clark, M. E.** The use of glycerol as a preservative for milk specimens to be examined for hemolytic streptococci. Ibid., 1933, **23**: 720.—**Gorini, C.** Action des streptocoques sur le lait. C. rend. Acad. sc., 1926, **182**: 946. ——— L'action et la stimulation des streptocoques dans le lait. Lait, 1927, **7**: 225–31.—**Groesbeck, W. M.** Isolation of streptococci from milk. Am. J. Pub. Health, 1935, **25**: 345.—**Hardenbergh, J. G.** The identification and significance of hemolytic streptococci in milk. N. England J. M., 1930, **202**: 373–6.—**Heinemann, P. G.** The significance of streptococci in milk. J. Infect. Dis., 1906, **3**: 173–82, 3 pl.—**Hergesell, W.** Vergleichende Untersuchungen über die in der Milch vorkommenden Streptokokken einschliesslich des Streptococcus epidemicus (Davis) Arch. wiss. prakt. Tierh., 1931, **63**: 543–60.—**Hökl, J.** Ueber Bakteriophagen- und Dissoziationserscheinungen bei einem Streptokokkenstamm aus Milch einer euterkranken Kuh. Zbl. Bakt., 1. Abt., 1932, **125**: 298–303.—**Kaiser, M.** Ueber die Häufigkeit des Streptokokkenbefundes in der Milch. Arch. Hyg., Münch., 1906, **56**: 51–89.—**Miller, W. W.** The significance of leucocytes and streptococci in milk. J. Comp. Path., Lond., 1909, **22**: 34–40.—**Müller, P. T.** Ueber die Streptokokken der Milch. Arch. Hyg., Münch., 1906, **56**: 90–107.—**Nottbohm, H.** Sind alle in der Milch vorkommenden hämolytischen Streptokokken vom Pyogenes-Typ menschenpathogen? Zschr. Hyg., 1939–40, **122**: 594–602.—**Petruschky, J.** Weitere Beobachtungen zur Frage der Bedeutung der Streptokokken in der Milch. Verh. Ges. deut. Naturforsch. (1910) 1911, **82**: 2. T., 255.—**Puppel, R.** Ueber Streptokokken in der Milch. Ibid., 256–8. Also Verh. Ges. Kinderh. ... (1910) 1911, **28**: 272–4. ——— Ueber Streptokokken in der Milch und im Säuglingsstuhl. Zschr. Hyg., 1911–12, 449–96.—**Rogers, L. A., & Dahlberg, A. O.** The origin of some of the streptococci found in milk. J. Agr. Res., 1913–14, **1**: 491–511.—**Rosenow, E. C.** Isolation from milk supplies of specific types of green-producing (alpha) streptococci and their thermal death point in milk. Collect. Papers Mayo Clin. (1943) 1944, **35**: 776–8. Also Minnesota M., 1944, **27**: 469; 550.—**Rulfo, J. F.** Algunas estreptócocos patógenos que pueden encontrarse en la leche que consume la población de la ciudad de México. Rev. mex. biol., 1930, **10**: 15–21.—**Savage, W. G.** Streptococci and leucocytes in milk. J. Hyg., Lond., 1906, **6**: 123–38.—**Seelemann, M.** Vorkommen und biologisches Verhalten von tier- und menschenpathogenen Streptokokken in der Milch. Zbl. Bakt., 1. Abt., Orig., 1939, **144**: Beih., 174–87, tab.; Disc., 196; 1. Abt., 1940, **136**: 12. ——— Die in der Milch vorkommenden Streptokokkenarten und ihre nähere Bestimmung. Zschr. Fleisch Milchhyg., 1940–41, **51**: 211; 227. ——— & **Hadenfeldt, A.** Zur Frage der Identität des Streptococcus pyogenes (haemolyticus) mit dem Streptococcus epidemicus Davis und seine Bedeutung für die Milchhygiene. Zbl. Bakt., 1. Abt., 1932, **126**: 231–40.—**Shafer, R. J., & Groesbeck, W. M.** A method for the isolation of streptococci from milk. Abstr. Papers N. Y. Ass. Pub. Health Laborat., 1932, Mid-yr meet., 1.—**Sherman, J. M., & Hastings, E. G.** The presence of streptococci in the milk of normal animals. Science, 1915, n. ser., **42**: 319.—**Sherman, J. M., & Niven, C. F.** The hemolytic streptococci of milk. J. Infect. Dis., 1938, **62**: 190–201.—**Smith, F. R., Hankinson, C. L., & Mudge, C. S.** Fibrinolytic activity of beta-hemolytic streptococci from cow's milk. Proc. Soc. Exp. Biol., N. Y., 1936, **34**: 266–70.

—— Streptococcus lactis.

HEUCKE, R. *Zur Kenntnis des Streptococcus lactis unter besonderer Berücksichtigung der Malzaroma-Stämme; Aufspaltung in stark und schwach säuernde Stämme [Kiel] 62p. 8° Quakenbrück, 1935.

KEITEL, F. G. *Hitzeresistente Milch-Milchsäure-Streptokokken unter besonderer Berücksichtigung ihres Verhaltens in der Zuckerreihe und bei der Lackmusmilchprobe [Kiel] 59p. 8° Weimar, 1931.

MANGOLD, A. *Untersuchungen über die baktericide Wirkung einiger in der konservierenden Zahnheilkunde gebrauchter Konservierungs- und Desinfizierungsmittel sowie einiger anderer chemischer Stoffe am Streptococcus lacticus Kruse [Leipzig] 17p. 8° Borna-Lpz., 1926.

URBAHN, H. *Untersuchungen über die Variabilität des Streptococcus lacticus [Marburg] 31p. 8° Dortmund-Hörde, 1933.

Bhagvat, K., & Sekhon, N. S. Nutritional requirements of L. bulgaricus, L. acidophilus and Streptococcus lactis. Current Sc., Bangalore, 1944, **13**: 45.—**Bujwid, O.** Ueber Variabilität des Str. lacticus. Zbl. Bakt., 1. Abt., Jena, 1928, **106**: 20.—**Gorini, C.** The morphological and cultural characters of the lactic acidoproteolytic cocci. Enzymologia, Gravenh., 1948–49, **13**: 205–7, pl.—**Gunsalus, I. C., Niven, C. F., jr, & Sherman, J. M.** The identification of Streptococcus lactis R as a strain of Streptococcus faecalis. J. Bact., Balt., 1944, **48**: 611.—**Hegarty, C. P.** Adaptive enzymes of Streptococcus lactis. Abstr. Theses Cornell Univ. (1938) 1939, 297–300.—**Heinemann, P. G.** The variability of two strains of Streptococcus lacticus. Science, 1915, n. ser., **42**: 321.—**Hohenadel, M.** Morphologische und biologische Studien über Bacterium lactis commune. Arch. Hyg., Münch., 1915–16, **85**: 237–61.—**Hunter, G. J. E.** Phage-resistant and phage-carrying strains of lactic streptococci. J. Hyg., Lond., 1947, **45**: 307–12.—**Jefferson, W. E., & Orcutt, F. S.** Associated growth of Streptococcus lactis with bacilli commonly found in milk. Proc. Virginia Acad. Sc., 1947–48, **26**: 80.—**Josse, J.** Isolement de bactériophages spécifiques pour des streptocoques lactiques. Ann. Inst. Pasteur, Par., 1947, **73**: 906–8.—**Keresztesy, J. C., Rickes, E. L., & Stokes, J. L.** A new growth factor for Streptococcus lactis. Science, 1943, **97**: 465.—**Light, R. F., & Frey, C. N.** Sulfanilamide treatment of a canine hemolytic streptococcemia characterized by edema of one foot and leg. J. Am. Vet. M. Ass., 1939, **95**: 364.—**Marshall, M. S.** Association of Bacillus subtilis and Streptococcus lacticus. Abstr. Bact., Balt., 1920, **4**: 5.—**Mims, V., Totter, J. R., & Day, P. L.** A method for the determination of substances enzymatically convertible to the factor stimulating Streptococcus lactis R. J. Biol. Chem., 1944, **155**: 401–5.—**Mudge, C. S., & Smith, F. R.** Nutritional factors of S. lactis. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32**: 672–4.—**Naylor, H. B.** The behavior of Streptococcus lactis at low temperatures. Abstr. Theses Cornell Univ. (1943) 1944, 339–41.—**Niven, C. F., jr.** Nutrition of Streptococcus lactis. J. Bact., Balt., 1944, **47**: 343–50.—**Okulitch, O.** Microbic dissociation of lactic acid streptococci. Canad. J. Res., 1939, **17**: Sect. C, 171–7.—**Palladina, O. K., Peretc, L. G., & Mazjukević, V. A.** [Bacteriophage control of lactic streptococcus] Microbiology, Moskva, 1943, **12**: 44–52.—**Parmelee, C. E., Carr, P. H., & Nelson, F. E.** Electron microscope studies of bacteriophage active against Streptococcus lactis. J. Bact., Balt., **57**: 391–7.—**Rahn, O., Hegarty, C. P., & Deuel, R. E.** Factors influencing the rate of fermentation of Streptococcus lactis. Ibid., 1938, **35**: 547–58.—**Reiter, B.** Lysogenic strains of lactic streptococci. Nature, Lond., 1949, **164**: 667.—**Rogers, L. A.** The inhibiting effect of Streptococcus lactis on Lactobacillus bulgaricus. J. Bact., Balt., 1928, **16**: 321–5.—**Sadler, W.** Production d'une odeur et d'une saveur de caramel dans les produits laitiers par le Streptococcus lactis, Lister. Lait, 1927, **7**: 126–40, 4 pl.—**Seelemann, M.** Zum primären Vorkommen des Strept. lactis und von Enterokokken in der Milchdrüse des Rindes sowie zur Bedeutung dieser Milchsäurestreptokokken bei Sekretionsstörungen und anderen Erkrankungen der Tiere und des Menschen. Zbl. Bakt., 1, Abt., 1942-43 **149**: 441–

59.—**Shattock, P. M. F., & Mattick, A. T. R.** The serological grouping of Streptococcus lactis (group N) and its relationship to Streptococcus faecalis. J. Hyg., Lond., 1943–44, **43**: 173–88.—**Skorodumova, A. M.** [Lysis of the cells of Streptococcus lactis in the preparation of dry cultures] Arkh. biol. nauk, 1936, **43**: 249–53.—**Stark, P., & Sherman, J. M.** Concerning the habitat of Streptococcus lactis. J. Bact., Balt., 1935, **30**: 639–46.—**Stokes, J. L., Keresztesy, J. C., & Foster, J. W.** Relation of the Streptococcus lactis R factor to folic acid. Science, 1944, **100**: 522.—**Supińska, J., & Matuszewski, T.** Die Leistungen der Einzelzellen verschiedener Stämme von Streptococcus lactis. Zbl. Bakt., 2. Abt., 1936, **94**: 499–508.—**Violle, H.** Les microbes du lait; une espèce banale de ferment lactique très fréquente dans le lait; le streptocoque lactique glaireux. Ann. Inst. Pasteur, Par., 1921, **35**: 218–29, 2 pl.—**Wagner, V.** Zur Kenntnis der Pathogenität des Streptococcus lactis. Schweiz. Zschr. Path. Bakt., 1944, **7**: 163–7.—**Whitehead, H. R.** A substance inhibiting bacterial growth, produced by certain strains of lactic streptococci. Biochem. J., Lond., 1933, **27**: 1793–800.—**Zambotti, V.** Rapporti fra struttura chimica, attività superficiale e azione biologica desunti dall'influenza di tre acidi chetocolanici sullo sviluppo dello streptococco lattico. Boll. Soc. ital. biol. sper., 1946, **22**: 621.

—— Streptococcus mastitidis (agalactiae)

KLINGMÜLLER, O. F. H. *Untersuchungen über Unterschiede des Streptococcus cremoris und Streptococcus mastitidis [Kiel] p.431–55. 8° Berl., 1930.

Milchwirtsch. Forsch., 1930, **10**:

Alberts, J. O., & Bryan, H. S. Studies on bovine mastitis; the incidence of streptococci in milk samples from 12,077 dairy cows. J. Am. Vet. M. Ass., 1947, **111**: 130–3.—**Boer, H. W. de, & Simons, S.** [Mastitis streptococci in mixed milk] Tschr. diergeneesk., 1930, **57**: 1143–58.—**Bryan, C. S., & Devereux, E. D.** A comparison of the microscopic test, Hotis test and blood agar plate in detecting streptococci of mastitis in milk. Cornell Vet., 1937, **27**: 68–74.—**Bryan, C. S., & Huber, F. T.** The microscopic examination of producer samples of milk for streptococci of mastitis. Vet. Med., Chic., 1935, **30**: 429–32.—**Bryan, C. S., & Nelson, E. A.** Influence of contaminating bacteria on the results of the microscopic test for streptococcic mastitis. Am. J. Pub. Health, 1937, **27**: 914–7.—**Examination** (The) of milk for streptococci of infection of bovine mammary tissue. Vet. Med., Chic., 1940, **35**: 166.—**Johns, C. K.** The relation between bacterial infection and the biochemical reactions of milk from streptococcus-free quarters. Summaries Doct. Diss. Univ. Wisconsin, 1938, **2**: 8–10. ——— **& Hastings, E. G.** The relation between bacterial numbers and biochemical values in milk from streptococcus-free quarters. Canad. J. Res., 1938, **16**: Sect. D, 15–30.—**Kleckner, A. L.** Efficiency of the microscopic examination of incubated milk samples for the detection of mastitis streptococci. Am. J. Vet. Res., 1941, **2**: 313–6. Also J. Am. Vet. M. Ass., 1940, **97**: 540 (Abstr.) ——— Examen microscópico de muestras de leche compuesta incubada; método rápido y eficaz para investigar la infección estrepto- o estafilocóccica de la ubre de la vaca. Rev. med. vet., B. Air., 1943, **25**: 77–86.—**Klimmer, M., Haupt, H., & Roots, E.** Zur Trennung einiger in der Milch vorkommender Streptokokken mit besonderer Berücksichtigung der Isolierung des Str. agalactiae Guillebeau. Zbl. Bakt., 1. Abt., 1928, **107**: 206–31, pl.—**Mastitis** streptococci in raw milk. Brit. M. J., 1936, **1**: 647.—**Morgan, M. E., Anderson, E. O., & Plastridge, W. N.** Mastitis and the plate count of milk; a quantitative study of the growth of Streptococcus agalactiae in various plating media. J. Milk Techn., 1941, **4**: 245–52.—**Munch-Petersen, E.** Studies on bovine mastitis; a note on the presence of streptococci, especially Str. agalactiae, in milk from beef cows. Austral. Vet. J., 1945, **21**: 12–4.—**Murphy, J. M.** The value of the Hotis test in detecting mastitis streptococci in milk. Cornell Vet., 1939, **29**: 279–86.—**Pounden, W. D., & Johnson, M. M.** The influence of an udder coccus upon the activity of mastitis streptococci in milk. Am. J. Vet. Res., 1941, **2**: 317.—**Pounden, W. D., & Zehner, C. E.** An irritant for udder tissues produced by mastitis streptococci in milk. Cornell Vet., 1941, **31**: 382–8.—**Schönberg, F.** Zur Diagnosestellung Mastitis-Streptokokken in der Handelsmilch und zur Beurteilung mastitisstreptokokkenhaltiger Milch in der tierärztlichen Lebensmittelüberwachung. Berl. tierärztl. Wschr., 1930, **46**: 214–6, pl.—**Silva Filho, F. S. da.** Mastite estreptocócica e contagem de bactérias do leite em placas de gelose. Bol. indúst. animal, S. Paulo, 1947, **9**: No. 3, 71–4.—**Soares Filho, F.** Valor da prova de Hotis para evidenciar no leite a presença de estreptococos de mastite. Ibid., 1944, **7**: No. 3, 57–63.—**Staśkiewicz, G.** Studia nad chorobotwórczymi paciorkowcami występującymi w mleku ze szczególnym uwzględnieniem paciorkowców bezmleczności. Med. wet., Warsz., 1948, **4**: 554.—**Thompson, J. E.** The Finn curd test for mastitis streptococci in milk. North Am. Vet., 1941, **22**: 720.—**Williams, W. L.** The identification of streptococcus of mastitis in routine milk samples. Am. J. Pub. Health, 1937, **27**: 453.

—— thermoduric and thermophil.

See also **Milk modification**, Heated milk; **Milk pasteurization**: **Milk sterilization.**

JANCKE, F. E. E. *Thermophile Bakterien in Milch; Beiträge zur Biologie der Thermophilen [Kiel] p.303–50. 8° Berl., 1928.

Milchwirtschaft. Forsch., 1928, **5**:

Azzi Leal, R. Importancia da pesquisa de germens termófilos no leite crú e pasteurizado. Bol. Of. san. panamer., 1939, **18**: 39–43.—**Eckford, M. O.** Thermophilic bacterla ln milk. Am. J. Hyg., 1927, **7**: 201–21.—**Franco, E.** Ricerche sui batteri termofili del latte. Gior. batt. Immun., 1936, **17**: 457–66.—**Franklin, U. D.** The significance of thermodurics in milk. J. M. Ass. Alabama, 1949–50, **19**: 185.—**Groppali, M.** La microflora termofila del latte. Gior. batt. immun., 1936, **17**: 182–95.—**Hussong, R. V., & Hammer, B. W.** A thermophile coagulating milk under practical conditions. J. Bact., Balt., 1928, **15**: 179–88.—**Jones-Evans, E., & Thomas, B. F.** Preliminary studies of the effect of ageing milk samples on the numbers of thermoduric bacteria. Proc. Soc. Appl. Bact., Lond., 1948, 19. Conf., 30–3.—**Mallmann, W. L., Bryan, C. S., & Fox, W. K.** A new microscopic procedure for the detecting and locating of the source of thermoduric organisms ln milk. J. Milk Techn., 1941, **4**: 195–9.—**Prickett, P. S.** Thermophilic spore-formers associated with milk. J. Bact., Balt., 1929, **17**: 36.—**Rudig, D. M.** A general consideration of thermoduric and thermophilic organisms as a source of contamination of the milk supply. J. Milk Techn., 1940, **3**: 165.—**Sarles, W. B.** Heat-resistant and heat-loving bacteria; the problem; the control. Vet. Bull., Carlisle, 1941, **35**: 315–20.—**Suzuki, T.** Gyūnyū-tyū ni konnyū-seru tyō-nai byōgenkin no kanetu teikō ni tuite [Heat resistance of the (mixed) intestinal microorganisms existing in milk] Tiba igakkai zassi, 1942, **20**: 1153–97.—**Tanner, F. W., & Harding, H. G.** Thermophilic bacteria from milk. Zbl. Bakt., 2. Abt., 1926, **67**: 330–47.

—— Time and temperature factors.

Prucha, M. J. Effect of different temperatures on the bacterial flora of milk. Am. J. Pub. Health, 1927, **17**: 356–9.—**Wilcox, H. L.** The time and temperature factors in the bacteriological examination of milk. Collect. Stud. Res. Laborat. Dep. Health, N. Y., 1907, **3**: 186–92.

—— Tuberculosis bacillus.

See also **Milkborne disease** subheadings (Tuberculosis; Tuberculous milk)

Coveney, M. F., & Edington, J. W. The biological test for the presence of M. tuberculosis in milk. Vet. Rec., Lond., 1934, **14**: 447–50.—**Downham, K. D.** The examination of milk for the presence of tubercle bacilli; a comparison between the cell group method and a method for the concentration of tubercle bacilli in milk. Ibid., 1931, **11**: 756–8.—**Eber, A.** Teneur en bacilles tuberculeux du lait et des produits de laiterie. Rev. path. comp., Par., 1908, **7**: No. 41, 21–4.—**Fiorentini, A.** Come avviene il passaggio del bacillo tubercolare nel latte. Corriere san., 1908, **19**: 485–8.—**Fondarinova, O.** [Coloring of acidoresistant tubercular rods in milk] Arch. biol. nauk, 1924, **24**: 247.—**Grolier, A. de, & Voiculesco, T.** Recherches sur la présence du bacille tuberculeux dans le lait et les produits dérivés. Ann. Inst. Pasteur, Par., 1939, **63**: 145–58.—**Hagan, W. A.** Examination of milk for tubercle bacilli. Am. J. Pub. Health, 1935, **25**: suppl., 126–9.—**Kästli, P.** Ein Beitrag zur Frage der Tuberkelbazillenausscheidung in der Milch tuberkulös erkrankter Kühe. Schweiz. Arch. Tierh., 1947, **89**: 103–26.—**Ławrynowicz, A.** Prątki gruźlicze w mleku. Zdrowie, Warsz., 1932, **47**: 11–5.—**Matthews, H. T.** The microscopical examination of milk for tubercle-cell groups. Vet. Rec., Lond., 1931, **11**: 403–5, 2 pl. ——— A preliminary note on the value of microscopical examination of milk from more than one cow for the presence of tuberculosis. Ibid., 1933, **13**: 235–8.—**Mattick, A. T. R., & White, P.** Routine tests for the presence of living tubercle bacilli in cows' milk. Med. Off., Lond., 1935, **54**: 265–7.—**Pérez Pardo, J.** Investigación directa del bacilo de Koch en la leche. Actas Congr. nac. san., Madr. (1934) 1935, 1. Congr., **4**: 345–9.—**Saxer, E.** Ueber die Herkunft der Tuberkelbazillen in der Konsummilch. In: Tuberk. Reinfekt. Rinde (Gräub, E.) Basel, 1947, 71–4.—**Schönberg, F., & Fleischhauer, G.** Zur Technik der Marktmilchuntersuchung auf Tuberkelbakterien durch den Tierversuch. Zschr. Fleisch & Milchhyg., 1934–35, **45**: 282–7.—**Sonnenschein, C.** Der kulturelle Nachweis von Tuberkelbakterien in Milch auf Malachitgrün-Einährboden. Deut. tierärztl. Wschr., 1930, **38**: 115.—**Verge, J.** Lait de vache et bacille tuberculeux. C. rend. Acad. sc., 1948, **227**: 488–90. ——— Recherches sur la présence du bacille tuberculeux dans le lait. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 224.—**Wilmart, J.** Quelles mesures sont à prendre pour que le lait commercé ne renferme pas de bacilles tuberculeux, humains ou bovins, et ne provienne pas de vaches tuberculeuses? Mouvement hyg., Brux., 1908, **24**: 247–96.—**Wood, D. R.** The examination of milk for tubercle bacilli; a survey of experience and results. Analyst, Lond., 1930, **55**: 544–50. Also Vet. Rec., Lond., 1930, **10**: 937–40.

—— Types.

Ford, W. W. Observations on the toxlc properties of heated and decomposed mllk and of milk cultures of Bacterium Welchii (Bacillus aerogenes capsulatus) Am. J. Dis. Child., 1919, **18**: 199–206.—**Gorini, C.** Le Bacillus minimus mammae (n. sp.)

Rev. gén. lait, 1906–07, 2: 553–9, pl.—**Huss, H.** Zur Charakteristik einer neuen, aus sterilisierter Dosenmilch isolierten Bakterie, Plectridium novum. Zbl. Bakt., 2. Abt., 1907, 19: 256; 420, pl.—**Naray, A.** Ein neues, gelben Farbstoff erzeugendes Bacterium in der Milch (Bacterium chromoflavum) Ibid., 1912, 35: 222–33.—**Plähn, O.** Das Bacterium vulgare in der Milchwirtschaft. Ibid., 1937, 96: 196–221.—**Sarles, W. B., & Hammer, B. W.** Observations on Bacillus coagulans. J. Bact., Balt., 1932, 23: 301–14.—**Sforza, M.** Segnalazione di mastiti da Asteroides e prove di pastorizzazione del latte inquinato con tali germi. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1946, 6: 153–9.

—— Variation.

Altendorf, H. *Der Keimgehalt der Milch von der Gewinnung bis zur Abgabe an den Verbraucher [Frankfurt] 29p. 8° Bottrop-W., 1937.

Wolff, A. *Zur Kenntnis der Veränderungen in der Bakterienflora der frischen Milch während des sog. Inkubationsstadiums. 88p. 8° Zür., 1908.

Addenbrooke, B. Town cow byres, and their influence on the number and variety of bacteria in milk as delivered to consumers. Northumberland & Durham M. J., 1899, 7: 74–81.—**Allen, L. A., & Watson, S. J.** Effet de l'addition de petit-lait dans un ensilage d'herbes sur les transformations bactériologiques et chimiques ultérieures. Lait, 1934, 14: 889–95.—**Anderson, J. F.** The relative proportion of bacteria in top milk (cream layer) and bottom milk (skim milk) and its bearing on infant-feeding. Am. J. Pub. Hyg., 1909, 15: 567–9 [Abstr.]—**Caserio, E.** Osservazioni e ricerche sulla variazione della carica batterica del latte in rapporto ad alcune cause che si verificano comunemente nella pratica. Ann. igiene, 1937, 47: 385–94.—**Leete, C. S.** Relation between the bacterial count of whole milk and that of the cream and skim milk separated from it. J. Agric. Res., 1925–26, 31: 695–9.—**Prucha, M. J., & Weeter, H. M.** Influence of conditions in the barn upon the germ content of milk. J. Bact., Balt., 1916, 1: 109.—**Stevens, K. R., & Jones, L. W.** Factors influencing the bacterial content of aseptically drawn milk. Ibid., 1938, 36: 309.—**Wolff, A.** Zur Kenntnis der Veränderungen in der Bakterienflora der frischen Milch während des sogenannten Inkubationsstadiums. Zbl. Bakt., 2. Abt., 1908, 20: 545; 651; 737.—**Wright, J.** Bacteriology of the collection and preservation of human milk. Lancet, Lond., 1947, 2: 121–4.

—— Variation: Biological factors.

Mazzeo, M. Costituenti e microflora del latte vaccino durante la mungitura. Boll. Soc. ital. biol. sper., 1941, 16: 619–21. ——— Della microflora del latte all'inizio della mungitura. Settimana med., 1942, 30: 191–7.—**Ritter, P.** Das Verhalten milchwirtschaftlich wichtiger Bakterien in der Milch in Abhängigkeit von Laktationsstadium, Fütterungsart und Standort der Kuh. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 524.—**Savage, W. G.** Report on bacterial studies of milk from healthy and diseased cows. Rep. Local Gov. Bd., London (1906–07) 1908, Suppl., 205–52.

—— Virus.

Porcher, C. Le lait et la fièvre aphteuse. Ann. falsif., Par., 1920, 13: 480–2.—**Terbruggen, F.** Ueber die Haltbarkeit des Maul- und Klauenseuchevirus in Milch und Molkereiprodukten. Deut. tierärztl. Wschr., 1932, 40: 129; 530.

—— Yeasts.

Nissen, W. *Untersuchungen über das Vorkommen von Hefen in der Erde, mit besonderer Berücksichtigung der für die Milchwirtschaft wichtigen Arten [Kiel] p.30–67. 8° Berl., 1930.

Milchwirtsch. Forsch., 1930, 10:

Chinn, S. H. F. Non-lactose fermenting yeasts and yeast-like fungi from cream and butter. J. Sc. Iowa Coll., 1946–47, 21: 15–7.—**Glathe, H.** Vorkommen und Tätigkeit der Hefen in der Milch. Zbl. Bakt., 2. Abt., 1935, 92: 61–3.

MILK bacteriology [incl. microbiology]

See also **Milk bacteria; Milkborne disease.**

Bacteriology of milk. Rep. Gov. Bur. Microb., Sydney, (1909) 1910, 107–26.—**Bacteriology** of milk. Med. J. Australia, 1936, 2: 680.—**Bergey, D. H., & Rosenberger, R. C.** Bacteriology of milk. Cyclop. Med. (Piersol-Bortz) Phila., 1939, 2: 50.—**Burrowe, W.** The bacteriology of milk and food. In his Textb. Bact., 15. ed., Phila., 1949, 262–75.—**Dorner, W.** Récents progrès de la bactériologie générale. Lait, 1932, 12: 1029–40.—**Fynn, E.** Beitrag zur Kenntnis der Milch. Zbl. Bakt., 2. Abt., 1907, 18: 428–39, 2 pl.—**Gorini, M. E. C.** La batteriologia al sesto Congresso internazionale di latteria (Berna 1914). Rendic. Ist. lombardo sc. lett., 1914, 2. ser., 47: 906–17.—**López Díaz, M.** Microbiología de la leche. An. Acad. farm., Madr., 1946, 12: 305–48.—**Prescott, S. C.** Commercial bacterial inspection of milk and its results. Science, 1907, n. ser., 25: 819 [Abstr.]—**Severin, S., & Budinoff, L.** Ein Beitrag zur Bakteriologie der Milch. Zbl. Bakt., 2. Abt., 1905, 14: 463–72.

—— Animal inoculation.

Fleischhauer, G., Gebauer, B., & Hayn, L. v. Weitere Untersuchungen über die Alkoholvorbehandlung von Milchproben zur Verbesserung des Nachweises von Abortus-Bang- und Tuberkelbakterien mit Hilfe des Meerschweinchen-Versuches. Zschr. fleisch Milchhyg., 1941–42, 52: 227. Also Vet. Bull., Lond., 1943, 13: 145 (Abstr.)

—— Apparatus.

Weiss, R. *Ein neues Gärröhrchen zum Nachweis der Gasbildung bei der Bestimmung des Bacterium coli in der Milch. 40p. 21cm. Lpz., 1937.

Barkworth, H. A new pipette used in the bacteriological testing of milk. J. Hyg., Lond., 1927–28, 26: 226.

—— Culture media.

See also **Milk bacteria,** Culture.

Abele, C. A. Findings in comparative studies of old and new culture media. J. Milk Techn., 1940, 3: 24–32.—**Aida, T.** Rennyū wo motte sci-seru Lackmusmolke ni tuite [Ueber die mit kondensierter Milch bereitete Lackmusmolke] Taiwan igakkai zassi, 1937, 36: 2495–503.—**Anderson, J. A.** The use of tributyrin agar in dairy bacteriology. Rep. Internat. Congr. Microb. (1939) 1940, 3. Congr., 726–8.—**Ayers, S. H.** Casein media adapted to the bacterial examination of milk. Rep. Bur. Animal Indust. (1911) 1913, 28: 225–35.—**Barkworth, H.** A statistical examination of the significance and comparative value of milk agar for raw and pasteurised milk. J. Hyg., Lond., 1936, 36: 169–72. ——— A cheap and efficient medium for the plate count of milk. Ibid., 1942, 42: 218–23.—**Beveridge, W. I. B.** An alkaline culture medium for differentiation of staphylococci and micrococci from cow's milk. Austral. J. Exp. Biol., 1940, 18: 391.—**Boerner, F., & Robinson, M. O.** Factors influencing the prevalence of spreaders on agar plates in bacteriologic examination of milk. J. Infect. Dis., 1931, 48: 372–80.—**Bowers, C. S., & Hucker, G. J.** The composition of media for the bacteriological analysis of milk. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, 23: 219–31. ——— Further studies of the composition of media for the bacteriological analysis of milk. Am. J. Pub. Health, 1936, 26: 350–3. Also Crón. méd. quir. Habana. 1936, 62: 24–7.—**Brown, J. H., & Howe, P. E.** Transparent milk as a bacteriological medium. J. Bact., Balt., 1922, 7: 511–4.—**Brown, J. H., Bonynge, C. W., & Moak, H.** Results obtained in a co-operative investigation of bacteriological media for milk counts. Am. J. Hyg., 1938, 27: 12–8.—**Comparative** tests of agar media for standard milk work. Am. J. Pub. Health, 1939, 29: No. 2, Suppl., 79–81.—**Demont, P., & Dorner, W.** La gélose au petit-lait peptoné, milieu de choix pour la détermination du nombre de germes contenus dans le lait. Lait, 1931, 11: 801–9.—**Eckles, C. H.** A comparison of media for the quantitative estimation of bacteria in milk. Proc. Iowa Acad. Sc. (1900) 1901, 8: 139–43.—**Gorini, C.** La leche como medio nutritivo para las bacterias (Transl.) Rev. hig. san. pecuar., Madr., 1931, 21: 572–7.—**Gunsalus, I. C., & Stark, C. N.** Formate ricinoleate and brilliant green bile broths to detect coliform organisms in pasteurized milk. Am. J. Pub. Health, 1938, 28: 832–4.—**Hachtel, F. W.** The use of blood-agar in the routine examination of milk sediments. J. Am. M. Ass., 1913, 61: 564.—**Harrison, F. C., & Van der Leck, J.** Aesculin bile salt media for milk analysis. Am. J. Pub. Hyg., 1909, 19: 564–6.—**Henneberg.** La culture en coup de plume, indispensable aux recherches concernant la bactériologie du lait. Lait, 1934, 14: 1135–7.—**Hettche, H. O., & Münch, H.** Bakteriologische Milchkontrolle mit Ersatznährböden. Zbl. Bakt., 2. Abt., 1939–40, 101: 337–41.—**Kessler, M. A., & Swenarton, J. C.** Gentian violet lactose pepton bile for the detection of B. coli in milk. J. Bact., Balt., 1927, 14: 47–53.—**Lind, H. E.** Symposium on tryptone-glucose-extract-milk agar. J. Milk Techn., 1940, 3: 208–14.—**Norton, J. F., & Seymour, M.** Study of media for the estimation of bacteria in milk. Am. J. Pub. Health, 1926, 16: 35–39.—**Oijen, C. F. v.** Over de vervanging van agar door kiezelzuurvoedingsbodem, bij het quantitatief bacteriologisch melkonderzoek. Tschr. diergeneesk., 1941, 68: 1047–51.—**Pérez-Boudet, J. M.** La leche como medio de cultivo bacteriano. Cruz roja dominic., 1946, 12: No. 3, 29.—**Uemura, T.** Nyūzyū oyobi nyūsyū daiyō-hin ni kan-suru kenkyū; zinkō eiyō-eki no saikin hatuiku ni kan-suru kenkyū [Studies on milk and milk substitutes; studies on an artificial nutritive solution for the development of bacteria] Osaka igakkai zassi, 1933, 32: 2233–50.—**Yale, M. W., & Pederson, C. S.** Optimum temperature of incubation for standard methods of milk analysis as influenced by the medium. Am. J. Pub. Health, 1936, 26: 344–9.

—— Evaluation of methods.

Ahmed Roushdy. The comparative value of bacteriological methods in estimating the bacterial count of market milks in Egypt. Vet. J., Lond., 1948, 104: 23–8.—**Faulds, J. S.**

Milk examination: a comparison of the plate count and reductase test. Lancet, Lond., 1937, **1**: 949.—**Gelder, R. H. van, & Lerner, M.** Ergibt sich eine Regelmässigkeit zwischen der Reduktasezeit und dem Bakteriengehalt nach der allgemeinen Plattenzählmethode? Zschr. Fleisch Milchhyg., 1925–26, **36**: 374; 400.—**Skar, O.** Die Reduktaseprobe, die Gärprobe, Bestimmung des Kubikinhalts und der Oberfläche der Mikroorganismen, die Milchsiebfrage. Ibid., 1933–34, **44**: 201; 221.—**Wilcox, H. L.** A comparative study of the direct microscopical and plating methods for the bacteriological examination of milk. Collect. Stud. Res. Laborat. Dep. Health, N. Y., 1907, **3**: 182–5.

—— Manual.

See also **Milk grading.**

Bryan, C. S. Dairy bacteriology and public health; a handbook for veterinarians and milk sanitarians. 4. Print. 33 l. 28cm. Minneap., 1947.

Chalmers, C. H. Bacteria in relation to the milk supply; a practical guide for the commercial bacteriologist. 192p. 8° Lond., 1935. Also another edition, 272p. 19cm. Lond., 1945.

Demeter, K. J. Bakteriologische Untersuchungsmethoden von Milch, Milcherzeugnissen, Molkereihilfsstoffen und Versandmaterial. p.665–770. 25cm. Berl., 1939.

In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl. 1939, Abt. 12, T. 2, Bd 1.

—— [The same] 2. Aufl. 111p. 24cm. Berl., 1943.

Dorner, W., Demont, P., & Chavannes, D. Microbiologie laitière. 224p. 20cm. Lausanne, 1942.

Hammer, B. W. Dairy bacteriology. 2. ed. 482p. 24cm. N. Y., 1946.

Henneberg, W. Bakteriologie und Mykologie der Milch und der Milcherzeugnisse. p.429–87. 25½cm. Berl., 1936.

In: Handb. Lebensmittelchem. (A. Bömer) Bd 3.

Renco, P. Microbiologia del latte e dei latticini. 777p. 16cm. Milano, 1939.

—— Methods.

Baudou, A. C., & Polizza, A. Examen bacterlológico de la leche. Rev. As. bioquím. argent., 1946, **13**: 211–6.—**Breed, R. S.** Comments on the standard methods for the bacteriological examination of milk. Abstr. Papers N. York Ass. Pub. Health Laborat., 1923, Mid-yr meet., 10.—**Burri, R.** L'importance des méthodes de recherches simples en bactériologie laitière. Lait, 1934, **14**: 1016–23.—**Committee** on progress report of the Standard Methods for Bacterial Milk Analysis. Am. Pub. Health Ass., (1908) 1909, **34**: pt 1, 275–85 (Abstr.)—**Conn, H. W.** Standards for determining the purity of milk; the limit of error in bacteriological milk analysis. Pub. Health Rep., Wash., 1915, **30**: 2349–95.—**Davis, J. G.** Bacteriological methods for the large-scale detection of mastitis. Vet. Rec., Lond., 1942, **54**: 145–7.—**Gorrieri, I.** L'esame batteriologico per la vigilanza igienica sul latte. Ann. igiene, 1932, **42**: 445–52.—**Goyens, F.** [Breed's simplified method of bacteriological examination of milk] Arch. méd. sociale, Brux., 1938, **1**: 424–9.—**Graf, F.** Fluorescensmikroskopische Untersuchungen zum Nachweis von Bakterien in der Milch. Zbl. Bakt., 2. Abt., 1942–43, **105**: 475 (Abstr.)—**Groppali, M.** Osservazioni e rilievi sull'esame batteriologico del latte. Gior. Soc. ital. Igiene, 1934, **56**: 149–62.—**Heinemann, P. G.** Bacteriological examination of market milk. Tr. Internat. Congr. Hyg. Demog., (1912) 1913, 15. Congr., **2**: 133–9.—**Hökl, J., & Svoboda, J.** Příspěvek ke standardisaci mikrobiologického vyšetfování mléka. Cas. česk. vet., 1949, **4**: 126–9.—**Howell, J. B.** Bacteriological testing of milk. Lancet, Lond., 1934, **2**: 1073.—**Jordan, T. G. O.** Bacteriological examination of milk samples. Rep. Health Com. Melbourne (1940) 1941, 24–6.—**Lipska, I.** Angielska metoda bakterjologicznej kontroli czystości mleka. Zdrowie, Warsz., 1931, **46**: 416–20.—**Müller, R.** Zum Nachweis von Schmutz- und Farbstoffbakterlen in der Milch. Münch. med. Wschr., 1928, **75**: 726–8.—**Newman, G.** A note on the bacteriological examination of milk. Pub. Health, Lond., 1905–06, **18**: 157–9.—**Pospesch, L.** [Determination of bacteria in milk] Allatorv. lap., 1933, **56**: 185–7.—**Preliminary** statement by the Committee on Standard Methods of Bacterial Milk Analysis to the Laboratory Section of the American Public Health Association. Am. J. Pub. Hyg., 1906–07, n. ser., **3**: 331–74 (Abstr.) Also Rep. Am. Pub. Health Ass., (1907) 1908, **33**: 42–75 (Abstr.)—**Ravenel, M. P.** Report of the Committee on Standard Methods for Bacterial Milk Analysis. Am. J. Pub. Health, 1915, **5**: 64.—**Report** of the Committee on Standard Methods of Bacterial Milk Analysis. Am. J. Pub. Hyg., 1909–10, n. ser., **6**: 315–45.—**Rosell, J. M.** Comentarios sobre los principales métodos utilizados oficialmente en diferentes países para la inspección bacteriológica y biológica de la leche. Actas Congr. nac. san., Madr. (1934) 1935, 1. congr., **4**: 362–9.—**Rovenskaja, E.** [Methods of bacteriological examination of milk] Hig. epidem., Moskva, 1931, **9**: 24–6.—**Slack, F. H.** Methods of bacteriological examination of milk. J. Infect. Dis., 1906, Suppl. No. 2, 214–22. Also Rep. Am. Pub. Health Ass. (1905) 1906, **31**: pt 2, 214–22. ——— **Park, W. H.** [et al.] Committee on Bacterial Milk Analysis: report of progress (Abstr.) Am. J. Pub. Hyg., 1907–08, n. ser., **4**: 425–35 (Abstr.)—**Standard** methods of milk analysis; bacterlological methods. Am. J. Pub. Health, 1926, **16**: 811–8.—**Stokes, W. R.** The bacteriological examination of milk. Maryland M. J., 1908, **51**: 133–8.—**Thomas, R. C., Levine, B. S., & Black, L. A.** Studies showing the effect of changes in the new (9th) edition of Standard methods in relation to the bacteriological analysis of milk. Am. J. Pub. Health, 1948, **38**: 233–8.—**Toledo Mello, J. de.** Sôbre a prova de leite nas pesquisas bacteriológicas. Mem. Inst. Butantan, 1941, **15**: 423–7.—**Varela, G.** Algunas consideraciones sobre el método standard americano de análisis bacteriológicos de leche. Rev. mex. biol., 1926, **6**: 91–4.—**Walter, W. G., & Hucker, G. J.** Proposed method for the bacteriological examination of flat surfaces. Am. J. Pub. Health, 1941, **31**: 487–90.—**Wilczyński, W.** Szybki sposób oceni mleka pod względem bakteryologicznym. Zdrowie, Warsz., 1908, **24**: 90–5.

—— Microscopy.

Bryan, C. S. The microscopic detection of bacterial defects of milk. Vet. Med., Chic., 1941, **36**: 415–9.—**Kleckner, A. L.** Microscopic examination of incubated composite milk samples; a rapid and efficient method for detecting streptococcus and staphylococcus infection of the bovine udder. Vet. Extens. Q., Phila., 1942, No. 85, 3–13.—**Knaysi, G., & Ford, M. B.** A microscopic method for the differentiation of living and dead bacteria in milk. J. Bact., Balt., 1938, **35**: 62.—**Slack, F. H.** The microscopic estimate of bacteria in milk. Science, 1906, n. ser., **23**: 211. Also Techn. Q., Bost., 1906, **19**: 37–40.—**Smith, J. W.** Routine bacteriological examination of milk by direct microscopy. Mil. Surgeon, 1931, **68**: 214.

—— Problems.

Demeter, K. J. Neuere Erfahrungen und Probleme auf dem Gebiet der Milchbakteriologie. Forsch. & Fortschr., 1939, **15**: 236. Also Zbl. Bakt., 1. Abt., Orig., 1939, **144**: Beih., 154–68; Disc., 196; 1. Abt., 1940, **136**: 9.—**Ra.** Neuere Erfahrungen und Probleme aus der Milchbakterlologie. Umschau, 1939, **43**: 559.

—— Research studies.

Mac Conkey, A. A contribution to the bacteriology of milk. J. Hyg., Lond., 1906, **6**: 385–407.—**Rosell, J. M.** Resultados de siete años de investigaciones de bacteriología lactológica. Actas Congr. nac. san., Madr. (1934) 1935, 1. congr., **4**: 356–62.—**Tidswell, F.** Researches on bacteria in milk. Rep. Gov. Bur. Microb., Sydney, 1912, **2**: 186–91.—**Vecci, P.** Microbi lattici e vibrione di Koch; ricerche sperimentali. Tommasi, Nap., 1912, **7**: 66–8.—**Vojtkevič, A. F.** [Survey of studies on lactic microbiology in USSR for twenty years (1917–37)] Mikrobiologia, Moskva, 1937, **6**: 1015–35. ——— Raboty po mikrobiologii moloka i moločnykh produktov za voennye gody v SSSR i za granicej. Ibid., 1947, **16**: 85–95.

MILK bar.

See also **Chocolate.**

Baier, E. Vorschläge des Ausschusses betreffend Beurteilung von Milch- und Rahmschokolade. Zschr. Untersuch. Nahrungsmitt., 1911, **22**: 121–9.—**Dartnell, M.** Milk bars. Hygeia, Chic., 1940, **18**: 228.—**Gahrtz, G.** Beitrag zur Fettbestimmung in Milch- und Sahnebonbons. Pharm. Zhalle, 1927, **68**: 177–9.—**Haussler, E. P.** Die Berechnung der fettfreien Trockenmilchsubstanz in Milch- und Rahmschokoladen. Ibid., 1914, **55**: 571–3.—**Milk** bars. Good Health, 1936, **71**: 137.—**Schweigart, H. A.** La leche en el chocolate, un nuevo factor en la industria lechera alemana. Rev. hig. san. pecuar., Madr., 1931, **21**: 707.

MILK beverage.

See also **Coffee; Milk (fermented) Milk nutrition; Milk serum.**

Campbell, H. G. Boissons au lait. Lait, 1929, **9**: 437–40.—**Caron.** La question du café au lait. Année sc. indust., Par. (1864) 1866, **9**: 308–16.—**Ellis, H. R.** Cultured milk drinks. Vet. Bull., Wash., 1935, **29**: 273–6.—**Hasterlik, A.** Vorschläge zur Hebung des Verbrauches an Trinkmilch. Zschr. Fleisch Milchhyg., 1907, **17**: 178; 205.—**Israel, A. L.** Milk drinks and other made milk products. Am. Food. J., 1924, **19**: 65; 87.—**Merrall, H.** The milk-drinking craze. Prescriber, Edinb., 1939, **33**: 217–20.—**Milk-drinking** (The) habit. Med. Press & Circ., Dubl., 1936, **193**: 563.—**Milk** for human consumption. Vet. Rec., Lond., 1937, **17**: 543.—**Vincent, L.** Les buveurs de lait. Clinique, Par., 1907, **2**: 1.

MILK biology.

See also **Milk testing.**

SASSENHAGEN, M. P. T. *Ueber die biologischen Eigenschaften der Colostral- und Mastitismilch [Bern] 56p. 8° Stuttg., 1910.

Comel, M. Sul potere regolatore del latte. Boll. Soc. ital. biol. sper., 1928, **3:** 908–18.—**Coplans, M.** On some vital properties of milk. Lancet, Lond., 1907, **2:** 1074–80.—**Itô, S.** Seibutugaku oyobi seibutu-kagaku-zyô yori gyûnyû no (honyûzi eiyôhin tosite) zinnyû ni oyobazaru yuen wo ronzu [Reasons for the inferiority of cow's milk as food for infants to human milk from the standpoint of biology and biochemistry] Zika zassi, 1907, 699–714.—**Koning, C. J.** Recherches biologiques. Rev. gén. lait, 1908–09, **7:** 131; passim.—**Richardson, G. A.** Some dynamic properties of milk. Abstr. Papers Am. Chem. Soc., 1950, 117. meet., 3A.—**Staffe, A.** Zur Physiologie der Milch. Ciba Zschr., Basel, 1947–48, **10:** 4238–43.—**Struelens.** Quelques considérations sur le lait et ses dérivés (babeurre et petit lait) au point de vue chimique, physiologique et clinique. Presse méd. belge, 1905, **57:** 822–4.—**Violle, H.** Le lait et l'hémolyse. C. rend. Acad. sc., 1920, **170:** 1078.—**Wassermeyer, H.** Zur Biologie der Milch. Klin. Wschr., 1928, **7:** 529–32.

—— Examination.

See also **Milk examination; Milk serology.**

KOLLMEYER, F. *Ueber die biologische Differenzierung von Milch und Milcheiweisskörpern [Giessen] 29p. 8° Münch., 1910.

Dychno, M. A., & Briskin, O. M. Zur Frage der hygienischen Bewertung der biologischen Eigenschaften der Milch. Zschr. Untersuch. Lebensmitt., 1927, **54:** 438–46.—**Porcher, C., & Comby, L.** Emploi de l'acétone dans l'analyse biologique du lait. Lait, 1930, **10:** 481–93.—**Schern, K.** Ueber die historische Entwicklung und prinzipielle Bedeutung biologischer Milchuntersuchungen in klinischer, milchhygienischer und forensischer Beziehung. Berl. tierärztl. Wschr., 1911, **27:** 761–7.

MILKBORNE disease.

See also names of specific diseases; also **Milk bacteria,** pathogenic; **Milk nutrition,** Pathological effect; **Milk poisoning.**

Burri, R. Die Milch als Krankheitsüberträger. Mitt. Lebensmitteluntersuch., Bern., 1932, **23:** 1–6.—**Caudill, F. W.** Diseases transmissible by milk. Bull. Dep. Health Kentucky, 1942–43, **15:** 81–4.—**Diseases** caused by milk. Georgia Health, 1947, **27:** No. 8, 2.—**Dolman, C. E.** The present status of milkborne disease hazards. Canad. Pub. Health J., 1941, **32:** 183–93.—**Eager, J. M.** Morbidity and mortality statistics as influenced by milk. Bull. U. S. Hyg. Laborat., 1908, No. 41, 229–42.—**Fuchs, A. W.** Milk and its relation to disease. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 55–63.—**Horton, M. B.** Milk and health. Health Educ. J., Lond., 1947, **5:** 178–81.—**Houdinière, A.** Le lait malsain; les maladies transmissibles par le lait de nos animaux domestiques. Rev. path. comp., Par., 1942, **42:** 17–58.—**Knowlton, M.** Milkborne diseases. Connecticut Health Bull., 1938, **52:** 126–8.—**Kober, G. M.** Morbific and infectious milk. Maryland M. J., 1906, **49:** 440; 487.—**Milk** as a factor in the cause of disease. Lancet, Lond., 1937, **1:** 513–5.—**Pettersson, A.** The transmission of diseases by means of milk. Acta paediat., Upps., 1933, **16:** 286–99; Disc., 369–75.—**Prausnitz, C.** Gefahren der Krankheitsübertragung durch Milch und ihre Verhütung. Med. Welt., 1929, **3:** 1641.—**Present** (The) status of milkborne diseases. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25:** 120–9.—**Rubenstein, A. D.** Milk-borne diseases. Commonhealth, Bost., 1938, **25:** 289–92.—**Savage, W. G., Minett, F. C., & Scott, W. M.** Discussion on milk as a factor in the cause of disease. Proc. R. Soc. M., Lond., 1936–37, **30:** 951–60.—**Wehr, R. E.** The newer knowledge in reference to diseases spread through milk supplies. Bull. Dep. Health Kentucky, 1937–38, **10:** 414–7.

—— Animal disease.

Fourie, P. J. J. Diseases of animals transmissible to man by means of milk. J. R. San. Inst., 1935–36, **56:** 748–54.—**Grüttner, F.** Welche Krankheiten werden durch Milch vom Tier auf den Menschen übertragen? Med. Welt, 1929, **3:** 1643.—**Hardenbergh, J. G.** The relation of disease in animals to public health; the milk. Vet. Med., 1934, **29:** 6–8.—**Ravenel, M. P.** Transmission of animal diseases to man through milk. Canad. Pub. Health J., 1941, **32:** 174–82. Also Med. Off., Lond., 1941, **66:** 86; passim.—**Stiles, C. W.** The relation of cow's milk to the zoo-parasitic diseases of man. Bull. U. S. Hyg. Laborat., 1908, No. 41, 223–5.

—— Dysentery.

Hemmes, G. D., & Wesemael, P. J. V. van. Massale dysenteriebesmetting, ontstaan door gebruik van melk en room. Ned. tschr. geneesk., 1949, **93:** 3080–4.

—— Epidemiology.

Gioseffi, M. L'alimentazione lattea nella diffusione delle malattie di infezione e il codice del latte. Difesa sociale, 1933, **12:** 24–33.—**Lassablière, P.** Les épidémies d'origine laitière et leurs enseignements. Médecin chez lui, 1936, **13:** No. 4, 15–28.—**Massey, A.** Report of an outbreak of sickness due to contaminated milk. Lancet, Lond., 1929, **2:** 996.—**Oijen, C. F. v.** Milk-borne epidemics in 1938. Vet. Bull., Lond., 1941, **11:** 895 (Abstr.)—**Petersen, H.** [Effect of the incubation period on the course of the curve of milk-epidemics] Bibl. laeger, 1940, **132:** 217–28.—**Savage, W.** The investigation of milk-spread diseases. In his Pract. Pub. Health Probl., Lond., 1941, 67–79.

—— Geography.

See also **Milk composition**—by countries.

ARMSTRONG, C., & PARRAN, T., jr. Further studies on the importance of milk and milk products as a factor in the causation of outbreaks in the United States. 81p. 23½cm. Wash., 1927.

Forms Suppl. No. 62, Pub. Health Rep., Wash.

Bigelow, G. H., & Feemster, R. F. Milk-borne disease in Massachusetts 1930–32. Am. J. Pub. Health, 1933, **23:** 571–6.—**Bigelow, G. H., & Forsbeck, F. C.** Milk-borne disease in Massachusetts, 1927–1929. Ibid., 1930, **20:** 1094–104.—**Defries, R. D.** Survey of certain milk-borne diseases in Canada. Canad. Pub. Health J., 1938, **29:** 255–61.—**Feemster, R. F.** Milk-borne disease in Massachusetts, 1933–40. Am. J. Pub. Health, 1941, **31:** 1169–73. ——— Milk-borne disease in Massachusetts, 1941–45. Ibid., 1946, **36:** 777–81.—**Granvigne.** La surveillance simultanée de la mortalité par diarrhée infantile et de la qualité du lait, à Boulogne-sur-Mer en 1912. Ann. falsif., Par., 1913, **6:** 110–4.—**Henderson, A., Michie, E. J. M.** [et al.] Three milk-borne outbreaks of disease in north-east Scotland. Health Bull., Edinb., 1948, **6:** 28.—**Smith, J.** Milk-borne disease in Britain; a brief survey of the position during recent years. Brit. M. Bull., 1947, **5:** 192–5.—**Survey** of milk-borne diseases in Canada. Canad. Pub. Health J., 1941, **32:** 225.

—— Infection.

See also **Milk bacteria,** pathogenic.

VILENSKI, M. *Le rôle du lait et ses dérivés dans la transmission des bacilles tuberculeux, typhique et paratyphique; l'industrie latière en Palestine [Alfort] 80p. 8° Par., 1932.

WEBER, F. A. Uebertragung von Krankheitserregern mit der Milch. p.405–71. 26½cm. Wiesb., 1909.

In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909

Aureggio, E. Des viandes au point de vue de l'hygiène; étude documentaire sur les maladies contagieuses, les fraudes et l'hygiène de la viande et du lait destinés à l'alimentation publique et aux soldats. C. rend. Ass. fr. avance. sc. (1908) 1909, **37:** 1380–98.—**Blount, W. P.** A veterinarian's viewpoint on milk-borne infections. Med. Press & Circ., Lond., 1937, **195:** 483–6.—**Brand, W. W.** Milk as a carrier of infection. Ohio San. Bull., 1906, **10:** 86–95.—**Brooks, P. B.** Some observations on milk-borne infection. J. Am. Vet. M. Ass., 1935, **86:** 342–7.—**Caminopetros, J.** Le lait, source de contamination de l'homme et des animaux dans la transmission de la fièvre du Queensland observée en Grèce. Bull. Acad. nat. méd., 1948, **132:** 468–71.—**Cocke, C. W.** Milk infection and prophylaxis of same. Tr. Tristate M. Ass., 1904, **6:** 249–55.—**Colangeli, L.** Malattie infettive da latte animale. Prat. pediat., Milano, 1938, **16:** 131–8.—**Davis, D. J.** Bovine mastitis in relation to milk-borne epidemics. J. Infect. Dis., 1937, **60:** 374–80.—**Goodchild, J. F.** Milk epidemics. Canada Lancet, 1908–09, **43:** 254–61.—**Harrington, C.** Milk as a carrier of infection. N. York M. J., 1907, **85:** 696–9.—**Helm.** Die Streptokokkenmastitis (gelber Galt) der Kühe, ihre Bedeutung für die menschliche Gesundheit und ihre Bekämpfung. Reichsgesundhbl., 1934, **9:** 396–9.—**Hering, F.** Ueber die etwaige Bedeutung infizierter Milch für die Widerstandsfähigkeit der damit ernährten Individuen. Zschr. Fleisch Milchhyg., 1915–16, **26:** 151.—**Infected** milk. Lancet, Lond., 1942, **2:** 81.—**Infection** from milk. Ibid., 1906, **2:** 390.—**Kästli, P.** Zur Frage der Uebertragung von Krankheitskeimen auf den Menschen durch den Konsum von Milch und Milchprodukten. Mitt. Lebensmitteluntersuch., Bern, 1948, **39:** 46–64.—**Kitchen, J. M. W.** The unremoved menace of infected and contaminated dairy products. Med. Rev. of Rev., 1918, **24:** 342–4.—**Koon, G. H.** Parasitic and infectious diseases transmitted through meat and dairy products. Rocky Mountain M. J., 1938, **35:** 362–70.—**Marfan, A. B.** Les microbes pathogènes du lait; transmission des maladies infectieuses par le lait. Nourrisson, 1916, **4:** 34–56.—**Milk** and infectious disease. Lancet, Lond., 1935, **1:** 837.—**Milk-borne** infection. J. Am. M. Ass., 1918, **70:** 1462.—**Nash, J. T. C.** A note on the bacterial contamination of milk as illustrating the connexion between flies and epidemic diarrhoea. Lancet, Lond., 1908, **2:** 1668.—**Nattan-Larrier, L.** Sur le passage des trypanosomes dans le lait.

Rev. path. comp., Par., 1913, **13**: 282–5.—**Neal, P. R.** Milk; its relation to infectious disease. N. Orleans M. & S. J., 1927–28, **80**: 11–6.—**Needham, F. S.** The milk supply of a community and its relation to communicable disease. Certif. Milk, 1940, **15**: No. 175, 3; 20.—**Newton, R. C.** Some of the dangers of infected milk. J. M. Soc. N. Jersey, 1905, **2**: 21–5.—**Parker, H. N.** Report of Committee on Communicable Diseases Affecting Man. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 261–72.—**Petrilla, A.** Tej útján terjesztett typhusjárvány Csepelen. Orsz. Közegészs. Int. közl., 1936, **9**: No. 19, 1–8.—**Shrewsbury, J. F. D.** Milk and its relation to microbial diseases of man. Birmingham M. Rev., 1937, **12**: 29–39.—**Törnell, E.** En knölrosepidemi orsakad av mjölksmitta. Kvartalsskr. Sven. nat. fören. tuberk., 1936, **31**: 65–72.—**Trask, J. W.** Milk and its relation to infectious diseases. J. Am. M. Ass., 1908, **51**: 1491–6.—**Uebertragung** von Krankheitskeimen durch Milch und Milchprodukte. Veska Zschr., Aarau, 1949, **13**: 323–5.—**Williams, L. R.** Milk and communicable disease. Dominion M. Month., 1917, **48**: 11–5.

—— Micrococcosis.

See also **Food poisoning.**

Crabtree, J. A., & Litterer, W. Outbreak of milk poisoning due to a toxin-producing staphylococcus found in the udders of two cows. Am. J. Pub. Health, 1934, **24**: 1116–28.—**Rosati, T.** Il latte quale fonte di tossi-infezione da stafilococco enterotossico; prime ricerche sul latte alimentare della città di Perugia. Ann. san. pubb., Roma, 1949, **10**: 756–78.—**Shaughnessy, H. J., & Grubb, T. C.** Staphylococcus food poisoning; report of a small milk-borne epidemic. J. Infect. Dis., 1936, **58**: 318–23. —— The inerimination of milk and milk products in staphylococcus poisonings; suggested methods for the investigation of outbreaks. Canad. Pub. Health J., 1937, **28**: 229–34.

—— Prevention and control.

See also **Milk control; Milk hygiene; Milk pasteurization.**

Bourdeau, H. *La prophylaxie des maladies dues au lait et l'hygiène laitière. 112p. 8° Par., 1934.

Dehring, H. *Die Gefahren des Milchverkehrs und ihre Verhütung unter besonderer Berücksichtigung der übertragbaren Krankheiten [Berlin] 92p. 8° Charlottenb., 1930.

Allaria, G. B. The prophylaxis of diseases due to milk. Acta paediat., Upps., 1933, **16**: 324–44; Disc., 369–75.—**Davison, W. C.** Elimination of milk-borne disease. Am. J. Dis. Child., 1935, **49**: 72–8.—**Goldie, W.** The laboratory control of milk-borne disease. J. R. San. Inst., 1946, **66**: 505–12.—**Jordan, J. O.** Protection of public milk supplies from specimens contaminated with pus organisms. Am. J. Pub. Hyg., 1909, **19**: 126–34. Also Rep. Am. Pub. Health Ass. (1908) 1909, **34**: pt 1, 425–33.—**Knapp, H. J.** Urban safeguards against milk-borne diseases. Ohio M. J., 1940, **36**: 1191–3.—**Lereboullet, P.** La prophylaxie des maladies dues au lait (hygiène et réglementation) Acta paediat., Upps., 1933, **16**: 344–68; Disc., 369–75. Also Nourrisson, 1933, **21**: 273–95.—**Milk-borne** outbreaks stress need for pasteurization. J. Iowa M. Soc., 1942, **32**: 223.—**Pettersson, A., Bessau** [et al.] La prophylaxie des maladies dues au lait. Nourrisson, 1933, **21**: 374–8. Also Am. J. Dis. Child., 1935, **50**: 1626.—**Renaud, M.** Le lait et les bactéries. Rev. crit. path., Par., 1930, **2**: 103–15.—**Watts, P. S.** The importance of cowshed hygiene in the transmission of milk-borne disease. J. R. San. Inst., 1947, **67**: 458–65.—**Wright, N.** Methods of reducing infection in the milk supply. Tr. R. Med. Chir. Soc. Glasgow, 1935, **29**: 30–44.—**Zapatero, E.** La leche como vehículo de infección; aspectos sanitarios del abastecimiento de la leche; depuración bacteriológica de la leche. In: Orient. act. san. púb. (Palanca, J. A.) Madr., 1947, 185–97.

—— Salmonellasis.

See also **Milk bacteria,** Salmonella.

Bowman, M. An epidemic of typhoid fever due to infected cheese, Manitoba, December 1939–March 1940. Canad. Pub. Health J., 1942, **33**: 541–7.—**Bretin & Forgerot, E.** Epidémie de fièvre paratyphoïde transmise par le lait. Lait, 1925, **5**: 882–8.—**Dutour.** Leche i bacilo tífico. Tribuna méd. (Chile) 1917, **11**: 224.—**Gautrez, E.** Le lait et la fièvre typhoïde. C. rend. Ass. fr. avance. sc. (1907) 1908, **36**: pt 2, 1615–28.—**Lentz, O.** Die Uebertragung des Typhus und Paratyphus durch Milch und Milchprodukte. Med. Welt. 1936, **10**: 1429–31.—**Renoul & Cherbonnier.** Transmission à l'homme par le lait de vache d'une maladie ayant toutes les apparences de la fièvre typhoide. Bull. Soc. sc. vét. Lyon, 1911, **14**: 91–4.—**Wahby, A. M.** Review of milk epidemics in different countries. J. Egypt. M. Ass., 1932, **15**: 796–813.

—— Scarlet fever.

See also **Milk bacteria,** Streptococcus.

Brooks, P. B. Number 550 [Scarlet fever epidemic due to raw milk] 4p. 24cm. N. Y., 1937[?]

Also in Am. Agric., 1937, Apr. 24.

Dittmar, F., & McGowan, J. P. On an outbreak of scarlet fever in a small Scottish burgh, associated with milk, the cows supplying which were affected with a teat eruption. Pub. Health, Lond., 1910–11, **24**: 138–42.—**Douglas, R., Smith, J.** [et al.] A milk-spread epidemic of scarlet fever. J. Hyg., Lond., 1941, **41**: 543–52.—**Ernst, J.** Milk epidemics of scarlet fever and angina. In his Epidem. Signif. Streptococci, Kbh., 1942, 281–306.—**Feemster, R. F., & Kingston, J. M.** A scarlet fever outbreak due to raw milk. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 85–91.—**Five** hundred cases of scarlet fever caused by use of raw milk from infected cow. Pub. Health Rep., Wash., 1937, **52**: No. 4, 113.—**Henningsen, E. J., & Ernst, J.** Milk epidemic of scarlet fever and angina, originating from a milkmaid with scarlatinal otitis media. J. Hyg., Lond., 1939, **39**: 51–9. Also Ugeskr. laeger, 1939, **101**: 298–304.—**Hunting, W.** Scarlet fever in relation to cows' milk. Med. Mag., Lond., 1910, **19**: 663. Also San. Rec., Lond., 1910, n. ser., **46**: 433–5 [Abstr.]—**Jepsen, A., & Hansen, P. L.** An angina-scarlatina milk epidemic, the Gladsaxe epidemic; bacteriological and clinical studies on mastitis produeed by group A streptococci. Aarsskr. Vet. Landbohøjsk., Kbh., 1943, 94–128.—**Kinde, M. R., & Adams, H. S.** An outbreak of milk-borne scarlet fever. Michigan Pub. Health, 1937, **25**: 131–4.—**Lorentzen, G., & Ewers, G.** Ueber eine Scharlachepidemie durch Milch. Oeff. Gesundhdienst., 1938–39, **4**: A, 1–10.—**McM., G. V. T.** Scarlet fever and ice-cream. Health Bull., Edinb., 1942–43, **2**: 20.—**Milk-borne** epidemic of scarlet fever. Pub. Health Rep., Wash., 1937, **52**: 1013–4.—**Milk-borne** scarlet fever. Med. Off., Lond., 1937, **58**: 1.—**Milkborne** (A) scarlet fever epidemic. Health News, Alb., 1937, **14**: 23.—**Pearson, N. F.** Report on outbreak of scarlet fever attributed to milk supply in the Borough of Shaftesbury. Med. Off., Lond., 1941, **66**: 53.—**Pels Leusden, F., & Biltz, G.** Weitere bakteriologische Untersuchungsergebnisse anlässlich der Pinneberger Scharlach-Milchepidemie. Zschr. Hyg., 1938–39, **121**: 260–75.—**Reekie, A. G.** Scarlet fever outbreak in Lanarkshire associated with an ice-cream café. Health Bull., Edinb., 1948, **6**: 65.—**Schoechli, A.** Ueber die Ausbreitung einer Scharlachepidemie durch Milch. Schweiz. Arch. Tierh., 1949, **91**: 780–9.—**Seiler, H. E.** Outbreak of scarlet fever associated with inefficient pasteurization. Med. Off., Lond., 1932, **48**: 45.—**Sleigh, J. C.** A milk-borne epidemic of scarlet fever. Ibid., 1936, **55**: 25–7.—**Stiner, O.** Uebertragung von Scharlach durch Milch. Mitt. Lebensmitteluntersuch., Bern, 1938, **29**: 350–7.—**Taylor, H.** An outbreak of scarlet fever and the milk supply. Vet. Rec., Lond., 1929, **9**: 9.—**Watson, R.** An outbreak of milk-borne scarlet fever and tonsillitis in Doncaster. Brit. M. J., 1937, **1**: 1189–93.—**Welch, H., & Mickle, F. L.** Bacteriological studies of a milk-borne outbreak of scarlet fever. Rep. Dep. Health Connecticut, 1933, **56**: 334–8.

—— Sore throat.

Archibald, R. E., & Feemster, R. F. A small milk-borne outbreak of septic sore throat. N. England J. M., 1932, **206**: 1252–4.—**Blanchard, C. K.** A milk borne outbreak of septic sore throat. Pub. Health News, Trenton, 1934, **18**: 131–9.—**Camps, F. E., & Wood, J. L. M.** An outbreak of epidemic sore-throat of milk-borne origin. Lancet, Lond., 1936, **2**: 756–60.—**Final** report on milkborne septic sore throat outbreak in Suffolk County. Health News, Alb., 1942, **19**: 23.—**Outbreak** of sore throat [New York] J. Am. M. Ass., 1943, **121**: 1297.—**Scamman, C. L.** Milk-borne septic sore throat and scarlet fever. Med. Off., Lond., 1930, **43**: 73–5.—**Sternagel, F.** Milk-borne streptococcic sore throats. J. Iowa M. Soc., 1938, **28**: 173–6.

—— Streptococcosis.

See also **Milk bacteria,** Streptococcus.

Brooks, P. B. The epidemiology of milk-borne streptococcus infections. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 214–23. —— Streptococcic mastitis and public health. J. Am. Vet. M. Ass., 1939, **94**: 11–7.—**Dublin, T. D., Rogers, E. F. H.** [et al.] Milk-borne outbreaks due to serologically typed hemolytic streptococci. Am. J. Pub. Health, 1943, **33**: 157–66.—**Evans, A. C.** Types of streptococci associated with bovine mastitis followed by outbreaks of human disease. J. Infect. Dis., 1946, **78**: 18–24.—**Golledge, S. V.** Streptococcus infection in man caused through the medium of milk from infected udders. Vet. Rec., Lond., 1932, **12**: 1499–501.—**Henningsen, E. J., & Ernst, J.** Milk epidemic of angina, originating from a cow with mastitis and due to Streptococcus pyogenes, Lancefield group A. J. Hyg., Lond., 1938, **38**: 384–91.—**Hökl, J.** O streptokokkových zánětech vemene dojnic po stránce spotřeby mléka. Prakt. lék., Praha, 1932, **12**: 495–7.—**Newitt, A. W., Glassen, J. W., & Pryer, R. W.** An outbreak of milk-borne hemolytic streptococcic infeetion. Am. J. Pub. Health, 1935, **25**: 804–12.

—— Trichinella.

Koriaźnov, V. P. K voprosu o vozmoźnosti peredaći trikhinelleza ćerez moloko. Med. parazit., Moskva, 1946, **15**: 65.

—— Tuberculosis.

See also **Milk bacteria,** Tuberculosis bacillus.

Schroeder, E. C., & Cotton, W. E. Experiments with milk artificially infected with tubercle bacilli. 19p. 8° Wash., 1906.

Forms Bull. 86 of U. S. Bur. Anim. Indust.

Surmann, H. *Tuberkuloseinfektion durch Milch. 32p. 8° Bonn, 1937.

Bessau. Die Fütterungstuberkulose vom klinischen Standpunkt aus. Med. Klin., Berl., 1940, **36:** 1294. Also Zbl. ges. Tuberforsch., 1940–41, **53:** 155.—**Bovine** tuberculosis in man, with special reference to infection by milk. Vet. Rec., Lond., 1931, **11:** 1230; 1249.—**Carling, E.** Tuberculosis and milk. Brit. M. J., 1942, **2:** 557.—**Christiansen, M.** How may the child be safeguarded against bovine infection, with reference especially to milk supply? Vet. J., Lond., 1935, **91:** 304–6, pl.—**Ferreira, C.** A tuberculose bovina transmitte-se ao homem e o leite constitue um valioso factor de contagio. Brazil med., 1916, **30:** 49–51.—**Fuchs, A. W.** Protect the nation's milk supply; against the transmission of tuberculosis of bovine origin. Crippled Child, 1940–41, **18:** 38–40.—**Gofton, A.** Bovine tuberculosis and infection of milk. J. R. San. Inst., 1931, **52:** 217–22. Also Vet. Rec., Lond., 1931, **11:** 1269–71.—**Grinsted Aalborg, P.** [General practical means for prevention of the spread of bovine tuberculosis infection through milk] Hospitalstidende, 1935, **78:** Dansk. med. selsk. forh., 10–7.—**Harris, R. I.** The menace of raw milk; milk-borne tuberculosis. Canad. Pub. Health J., 1932, **23:** 1–5.—**Hawthorne, C. O.** Tuberculosis and milk. Brit. M. J., 1942, **2:** 494.—**Lange.** Die Fütterungstuberkulose vom bakteriologisch-hygienischen Standpunkt aus. Med. Klin., Berl., 1940, **36:** 1294. Also Zbl. ges. Tuberkforsch., 1940–41, **53:** 156.—**Launoy, L.** Le lait; aperçu sur la composition chimique du lait et la propagation de la tuberculose par cet aliment. Biol. méd., Par., 1904, **2:** 353–70. Also Rev. valenc. cienc. méd., 1905, **7:** 33; 49.—**Lederle, E. J.** Public milk supplies with special reference to the tuberculosis problem. Tr. Am. Antituberc. League, 1907, 49–52.—**Lozano, A. R.** Peligros del ambiente tuberculoso para el lactante y medios de evitarlos. Siglo méd., 1933, **91:** 27.—**Mantovani, G.** Ricerche sul burro come veicolo della infezione tubercolare. Gior. batt. immun., 1949, **41:** 284–97.—**Mattinson, A. B.** How may the child be safeguarded against bovine tuberculosis, with especial reference to the milk supply? Vet. Rec., Lond., 1935, **15:** 951–5.—**Memorandum** (A) on bovine tuberculosis in man, with special reference to infection by milk. Rep. Pub. Health Med. Subj., Lond., 1931, No. 63, 1–25.—**Menchaca, F. J.** Pasteurización obligatoria de la leche y mortalidad infantil por tuberculosis en la ciudad de Santa Fé. Commun. Congr. panamer. tuberc., 1940, 5. Congr., **3:** 340–8.—**Milk** and the increased incidence of nonpulmonary tuberculous infection. Vet. Rec., Lond., 1943, **55:** 53.—**Minette.** De l'usage du lait dans le régime alimentaire des personnes. Rev. internat. tuberc., Par., 1906, **10:** 87.—**Müssemeier.** Die Fütterungstuberkulose vom veterinärärztlichen Standpunkt aus. Zbl. ges. Tuberkforsch., 1940–41, **53:** 157.—**Park, W. H.** Tuberculosis and milk. Bull. Union internat. tuberc., Par., 1927, **4:** No. 2, 136–52. Also Rev. belge tuberc., 1927, **18:** 27–39.—**Parry, R. H., & Hall, I. W.** Reservoirs of bovine tubercle bacilli: their relation to a safe milk-supply. Lancet, Lond., 1935, **1:** 1127.—**Pettersson, A.** The spread of tuberculous infection by means of milk, and measures against this spread. Acta paediat., Upps., 1933–34, **15:** 149. Also Hygiea, Stockh., 1934, **96:** 323.—**Pope, A. S.** Tuberculosis and milk. Commonhealth, Bost., 1938, **25:** 305–7.—**Price, R. M.** Milk and its relation to tuberculosis. Canad. Pub. Health J., 1934, **25:** 13–5.—**Ravenel, P.** The transmission of tuberculosis through milk. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 56–8. ——— Prevention of tuberculous infection through milk. Cong. internat. aliment., 1910, 2. Congr., **1:** Sect. 3, 49–54.—**Raw, N.** Tuberculosis and milk. Brit. M. J., 1927, **1:** 373. Also Vet. J., Lond., 1927, **83:** 216–9.—**Ronde, H. de.** Iets over t. b. c.-onderzock in een nagenoeg zuiver consumptie-melk-gebied. Tschr. diergeneesk., 1940, **67:** 807.—**Ruys, A. C.** Over de betekenis van melk als bron van besmetting van de mens met de rundertuberkelbacil. Tegen de tuberculose, 1948, **44:** 55.—**Savage, W. G.** Milk and tuberculosis. J. R. San. Inst., 1928–29, **49:** 339–45. ——— Tuberculosis and the milk supply. In his Pract. Pub. Health Probl., Lond., 1941, 55–66.—**Schroeder, E. C.** Tuberculous infection through milk. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 49–55.—**Sigenobu, M.** Honyū ni yoru ryūketu kekkaku-kin no nyūzyū kansen ni tuite (zikken-teki-kenkyū) [Infection of young through sucking milk of the mother infected intravascularly by tubercle bacilli] Osaka igakkai zassi, 1933, **32:** 1959–98.—**Ståhl, S.** En tuberkulosepidemi förorsakad av mjölksmitta. Nord. med. tskr., 1937, **13:** 121–5. Also Brit. J. Child. Dis., 1939, **36:** 83–99.—**Stiles, H. J.** The necessity for a more thorough control of the milk supply in combating surgical tuberculosis in childhood. Brit. M. J., 1913, **2:** 370.—**Tippet, G.** Clean and safe milk, and the prevention of tuberculosis. Med. Off., Lond., 1933, **49:** 65.—**Trendtel.** Die Uebertragung der Tiertuberkulose durch Milch auf den Menschen. Aertztl. Sachverst. Ztg, 1929, **35:** 279–81.—**Tuberculosis** and the milk supply. Brit. M. J., 1934, **1:** 1035.—**Wester** [Tuberculosis in man caused by drinking milk] Tegen de tuberculose, 1937, **33:** 49–52. Also Tschr. dlergeneesk., 1937, **64:** 235–9.—**Withington, P. R.** Tuberculosis rate in infants in relation to the milk supply. N. England J. M., 1929, **202:** 1034–8.

—— Tuberculous milk.

Bergmann, G. D. O. *Das Zellbild der Milch bei tuberkulöser Mastitis [Leipzig] 34p. 8° Dresd., 1933.

Also Zschr. Infektkr. Haustiere, 1933, **43:** 211–38.

Lefort, E. *Contribution à l'étude de l'infection tuberculeuse du lait [Pharm.] 128p. 24½cm. Lille, 1938.

Scotland. Department of Health. Tuberculous infection in milk; a report by the Department of Health for Scotland. 38p. 8° Lond., 1933.

Forms Spec. Rep. No. 189. Gt Brit. Privy Counc., Med. Res. Counc.

Tilgner, K. A. *Weitere Studien über das Zellbild der Milch bei der tuberkulösen Mastitis. 31p. 21cm. Lpz., 1937.

United States. Bureau of Animal Industry. Bulletin No. 44; Infectiveness of milk of cows which have reacted to the tuberculin test; by John R. Mohler. 93p. 8° Wash., 1903.

Arena, A. R., & Cucchiani Acevedo, R. Investigación del bacilo de Koch en la leche de vacas tuberculino-positivas. An. Cáted. pat. clín. tuberc., B. Air., 1944, **6:** 68–80.—**Baker, H. B.** Infectiousness of milk of tuberculous cows. Rep. Michigan Acad. Sc., 1900, 69–78.—**Brittlebank, J. W.** Tuberculous bovines and tuberculous milk. J. State M., Lond., 1929, **37:** 517–23.—**Dieffenbach, W. H.** Milk production and tests for bovine tuberculosis. J. Am. Inst. Homeop., 1930, **23:** 43–50.—**Donohue, F. O.** Tuberculosis in milk. Tr. Am. Antituberc. League, 1907, 40–6.—**Ehrlich, C.** Kann Euterbuberkulose am Zellbild der Milch erkannt werden? Zschr. Infektkr. Haustiere, 1936, **49:** 97–104.—**Fight** (The) against tuberculous milk. Vet. J., Lond., 1939, **95:** 62.—**Fishburn, F.** York's experience with tuberculous milk. J. R. San. Inst., Lond., 1932, **52:** 539–47.—**Gaiger, S. H., & Davies, G. O.** Bovine tuberculosis; biological tests of milk. Vet. Rec., Lond., 1931, **11:** 1072–4.—**Karsten.** Ueber den serologischen Nachweis der Eutertuberkulose und dessen Verwendbarkeit bei der Durchführung des freiwilligen Tuberkulosebekämpfungsverfahrens und der Vorzugs- und Markenmilchüberwachung. Deut. tierärztl. Wschr., 1933, **41:** 561–6.—**Lapage, C. P.** The testing of tuberculous milks. Med. Press & Circ., Dubl., 1933, **136:** 562–3.—**L'oyd, J. S., Litt e, W. L.** [et al.] Tuberculous infection in milk as affected by recent legislation. Vet-Rec., Lond., 1927, **7:** 752; 771.—**Menton, J.** Bovine tuberculosis in relation to the public milk supply. Med. Off., Lond., 1930, **43:** 153–5.—**Pallaske, G.** Verwendung eines Milchzentrifugatschnittverfahrens zur Diagnose der Eutertuberkulose. Zschr. Fleisch Milchhyg., 1937–38, **48:** 201–7.—**Pearson, R. A.** The tuberculous cow. Proc. Conf. San. Off. N. York' 1908, **8:** 213–20.—**Proscholdt, O.** Ueber die Bedeutung der Untersuchungen der Proben des Gesamtgemelkes. Deut. tierärztl. Wschr., 1927, **35:** 750–2.—**Quine, R. H.** Dangerous milk. Med. World, Lond., 1945, **63:** 397–9.—**Rautmann, H.** Vorläufiges Ergebnis der im Bakteriologischen Institut in Halle a. S. ausgeführten Versuche zur Frühdiagnose der Eutertuberkulose durch den Lymphoztennachweis in der Milch. Deut. tierärztl. Wschr., 1928, **36:** 664–6.—**Rossi, P.** Etude expérimentale de certains sous-produits du lait tuberculeux. Lait, 1928, **8:** 665–78.—**Saleeby, C. W.** Potential homicide. Tr. Am. Antituberc. League, 1907, 64–6.—**Scharr.** Die Bedeutung der Gesamtgemelke für die Ermittelung der Eutertuberkulose beim Rinde. Deut. tierärztl. Wschr., 1927, **35:** 747–50.—**Schroeder, E. C.** The peril of tuberculosis milk second to no other. Tr. Am. Antituberc. League, 1907, 46–8.—**Schumann, P.** Ausmerzung eutertuberkulöser Kühe nach Untersuchung der Sammelmilchproben. Deut. tierärztl. Wschr., 1935, **43:** 658.—**Tachard, E.** Le lait homicide. C. rend. Ass. fr. avance. sc. (1904) 1905, **33:** pt 2, 1488–94.—**Untersuchung** (Die) der Milchproben auf Tuberkulose. Milchwirtsch. Zbl., 1942, **71:** 41.—**Wahby, A. M.** The bovine tubercle bacillus and milk. J. Egypt. M. Ass., 1933, **16:** 292–301.—**Wedemann, W.** Verhalten von Tuberkelbazillen in Molken bei der Käseherstellung aus tuberkelbazillenhaltiger Milch. Zschr. Fleisch Milchhyg., 1925–26, **36:** 212–7.—**Williams, R. S.** The milk question and tuberculosis. Brlt. J. Tuberc., 1931, **25:** 107–15.

—— Undulant fever.

See also **Milk bacteria,** Brucella; **Milk serology,** Agglutinin: Brucella.

Chevalier, J. *Lait et fièvre ondulante. 41p. 25cm. Par., 1938.

Hofmann, W. *Ueber die Bedeutung der Milch als Infektionsquelle bei mehreren Bangin-

fektionen am Niederrhein [Giessen] 24p. 22cm. Düsseld., 1937.

Quinlan, J. Die Uebertragungsmöglichkeit von Abortus-Baeillen auf Kälber, die mit Milch von infizierten Kühen gefüttert werden. p.192–242. 23½cm. Berl., 1923.

Also in: Arch. wiss. prakt. Tierh., 1923, **49:**

Beattie, C. P., & Rice, R. M. Undulant fever due to brucella of the porcine type—Brucella suis; report of a milk-borne epidemic. J. Am. M. Ass., 1934, **102:** 1670–4.—**Borts, I. H., Harris, D. M.** [et al.] A milk borne epidemic of brucellosis caused by the porcine type of Brucella (Brucella suis) in a raw milk supply. Ibid., 1943, **121:** 319–22.—**Brucellosis** and pasteurization of milk. N. England J. M., 1941, **225:** 959.—**Carpenter, C. M., & King, M. J.** Brucella abortus in milk and its relation to undulant fever. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 19–27.—**Carroll, W. R.** Undulant fever agglutinins in blood of one hundred people drinking brucella-infected milk. J. Bact., Balt., 1937, **33:** 45.—**Dalrymple-Champneys, W.** Undulant fever conveyed by milk. Brit. M. J., 1931, **2:** 604.—**Elkington, G. W., Wilson, G. S.** [et al.] A mild epidemic of undulant fever in a boys' school due to drinking raw milk. Ibid., 1940, **1:** 477.—**Engel, R.** [Epidemic undulant fever cases from milk] Orv. hetil., 1938, **82:** 786. ——— Gehäuftes Auftreten von Febris undulans (Bang) nach dem Genuss ungekochter Milch. Zbl. Bakt., 1. Abt., 1938, **142:** 165–8.—**Farbar, M. E., & Mathews, F. P.** An epidemic of undulant fever with a study of the associated milk supply. Ann. Int. M., 1928–29, **2:** 875–80.—**Gatt, J. E. H.** Undulant fever and the Maltese milk problem. Arch. internat. brucell., Joyeuse, 1939, **2:** No. 2, 45–51.—**Helm, F. P.** Undulant fever. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 159–61.—**Houdinière, A.** Le rôle du lait dans la transmission des brucelloses. Lait, 1945, **25:** 232–41.—**Klimmer, M.** Abortus Bang und Milchhygiene; Bluttiter. Berl. tierärztl. Wschr., 1932, **48:** 87–94.—**Manson-Bahr, P. H.** The increased frequency of fevers of the undulant type in non-tropical countries, and its relationship to infection by cow's milk. Tr. M. Soc. London, 1933, **56:** 192–219. ——— **Wilson, G. S.** [et al.] Fevers of undulant type in relation to cow's milk infection. Brit. M. J., 1933, **1:** 414.—**Rinjard.** Les brucelloses et le lait. Lait, 1935, **15:** 915–28.—**Robinson, D. B.** Undulant fever from goat milk infection; report of case. J. Missouri M. Ass., 1935, **32:** 239.—**Role** of milk in undulant fever. Bull. Los Angeles Co. M. Ass., 1940, **70:** 580.—**Weisman, J. I.** Pasteurized versus raw milk in undulant fever. N. England J. M., 1937, **216:** 977.

MILK bottle.

See also **Milk (bottled) Milk container.**

Barkworth, H. Comparison of two techniques for assessing the degree of sterility of milk bottles. Med. Off., Lond., 1939, **62:** 245–7.—**Bergen, v.** Ist die Thermosflasche zum Warmhalten von Milch geeignet? Korbl. Schweiz. Aerzte, 1917, **47:** 870–2.—**Eberlein, L.** Metallflasche oder Glasflasche für die Milchversorgung? Zschr. Fleisch Milchhyg., 1925–26, **36:** 164.—**Gebbs-Smith, E. G., & Hobday, F. T. G.** Milk bottles as a possible cause of epidemics. J. State M., Lond., 1928, **36:** 660–4.—**Langstein, L.** Bemerkungen zu dem Aufsatze über die Reichsmilchflasche. Zschr. Säuglingsfürs., 1910–11, **4:** 279.—**Lichtenberger.** La bouteille à lait d'un type unique en Allemagne. Lait, 1929, **9:** 106.—**Meurer, R.** Beiträge über Kontakt-Infektionen der Milch durch die Flaschen. Zschr. Fleisch Milchhyg., 1926–27, **37:** 150.—**Sansby, J. M.** New milk bottle, a means of lessening the spread of communicable diseases. Arch. Pediat., N. Y., 1939, **56:** 650–4.

—— Cap.

McFarlane, V. H., & Weinzirl, J. The protective value of the single and the double cap for bottled milk. Am. J. Hyg., 1934, **19:** 521–31.—**Seiffert.** Ueber Milchflaschenverschlüsse. Deut. med. Wschr., 1911, **37:** 1397–9.—**Siethoff, E. G. A. ten, & Reijst, J. J.** Een nieuwe sluiting voor melkflesschen. Ned. tschr. geneesk., 1906, **2:** 327. Also Zschr. Nahrungsmitt., 1906, **12:** 352.

—— Cleansing.

See also **Milk plant, Cleansing and sterilization.**

Dykes, T. Nettoyage et traitement des bouteilles à lait. Lait, 1935, **15:** 338–42.—**Hopkins, M. B., & Kelly, M. L.** Sterilization of bottles for pasteurized milk. Am. J. Pub. Health, 1919, **9:** 183.—**Lapage, G.** Cleansing of milk bottles. Nature, Lond., 1944, **153:** 31.—**Moore, C. M.** Testing of bottle-washing solutions. J. Milk Techn., 1939, **2:** 227–35.—**Wade, E. M., Archibald, R. W., & Whittaker, H. A.** Chemical sterilization of milk bottles in relation to tubercle bacilli. J. Bact., Balt., 1928, **15:** 189–94.

MILK (bottled)

See also **Milk bottle; Milk pasteurization,** in the bottle.

Ellenberger, H. B. Bottled milk deliveries. 12p. 23cm. Burlington, 1942.

Casagrandi, O., & Seppilli, A. L'imbottigliamento del latte con specialc riguardo ai recipienti di carta. Igiene mod., 1936, **29:** 37–52, 2pl.—**Embouteillage** du lait en France. Lait, 1943, **23:** 149–58.—**Gibbs-Smith, E. G.** The disadvantages of the bottle system of milk distribution. Vet. J., Lond., 1927, **83:** 202–4.—**Hauck, E.** Le lait en bouteilles et ses installations mécaniques. Lait, 1935, **15:** 675–83. ——— Installations modernes pour la mise en bouteilles du lait. Ibid., 1939, **19:** 1–15.—**Hess, A. F.** The distribution of bacteria in bottled milk and its application to infant feeding. Arch. Pediat., N. Y., 1908, **25:** 591–7. Also Zschr. Hyg., 1909, **62:** 395–400.—**Howell, J. M.** Bottled milk as a health measure and some of the difficulties encountered in securing a pure milk-supply. J. Am. M. Ass., 1910, **54:** 1199–201. Also Q. Bull. Ohio State Bd Health, 1910, **2:** 56–66.—**Jordan, J. O.** Some legal and practical aspects of a bottled milk regulation. Am. J. Pub. Health, 1912, **2:** 105.—**Meurer, R.** Beiträge über Kontakt-Infektionen der Milch durch die Flaschen. Zschr. Fleisch Milchhyg., 1926–27, **37:** 150; 169.—**Way, H. O.** A bacteriologic comparison of milk served in bottles and by the dip method. Cleveland M. J., 1907, **6:** 147–54.

MILK (breast)

See **Breast milk.**

MILK can.

See also **Milk container.**

Coates, H. T. Milk cans and pails. J. Milk Techn., 1939, **2:** 269–75.—**Entseuchung** der Milchkannen. Reichsgesundhbl., 1938, **13:** 154.—**Frank, L. C.** Studies of the bactericidal treatment of milk cans in hot-air cabinets. Pub. Health Rep., Wash., 1938, **53:** 329–38, 2 pl.—**Spülen** von Milchtransportgefässen nach der Entleerung mit Wasser ist eine allgemein bindende, rechtlich verpflichtende Vorschrift. Reichsgesundhbl., 1938, **13:** 98.—**Verordnung** des Reichsstatthalters in Sachsen; Landesregierung, Ministerium für Wirtschaft und Arbeit, über Milchgesetz; Kennzeichnung von Milchkannen. Vorschr. Sächs. Vet., 1937, **32:** 151.

MILK (canned fresh)

See also **Milk quality,** Freshness.

Greene, H. T. Milk kept fresh 42 days by vacuum packing. Vet. Bull., Wash., 1936, **30:** No. 4, 320–2.—**Jug** station milk. Pub. Health News, Trenton, 1940, **24:** 185.—**Leotta, N.** Il latte conservato allo stato fresco? Forze san., Roma, 1937, **6:** 378.—**Meulemans, O., & De Haas, J. H.** Vitamin A, carotene and vitamin C content of canned milk. Am. J. Dis. Child., 1938, **56:** 14–21.—**Rohmer, P., & Sacrez, R.** L'alimentation de l'enfant normal par les laits de conserve. Strasbourg méd., 1948, **108:** 37–41.—**Sacquépée, E. E. J., & Ferrabouc, O. L. J. P. S.** Les laits conservés, leur utilisation dans l'armée. Arch. méd. pharm. mil., 1930, **93:** 465–77.

MILK care [and handling]

See also **Milk processing; Milk sanitation.**

Campbell, H. G. The care of milk in the home. 16p. 8° Ottawa, 1930.

Forms No. 115, Pamphl. Canada Dep. Agr.

Ross, H. E. The care and handling of milk. Rev. ed. 417p. 23½cm. N. Y., 1939.

Whitaker, G. M., Rogers, L. A. & Hunt, C. L. The care of milk and its use in the home. 20p. 8° Wash., 1910.

Forms No. 413, Farmers' Bull.

Alaphilippe. Sur l'hygiène du lait; appareil économique pour la récolte du lait pendant la traite manuelle. Rev. vét., Toulouse, 1923, **75:** 215–8.—**Babonneix, L.** Les différences manières d'administrer le lait de vache. Gaz. hôp., 1933, **106:** 611–4.—**Beinert, F. L.** The care of milk in the home. Commonhealth, Bost., 1938, **25:** 321–3.—**Bohm.** Om mjölkhygienen och handeln med mjölk. Förh. Medd. läk. sällsk. Lund, 1901, 16–8.—**Care** and serving of milk in public eating places. Georgia Health, 1941, **21:** No. 12, 1.—**Hempel.** Behandlung und Versand der Milch. Molkereiztg, 1907, **17:** 481–3.—**Lummis, G. D.** Milk; from the cow to the consumer. Month. Bull. Ohio State Bd. Health, 1911, **1:** 107–22.—**McCarrey, J. J.** On the manner in which milk should be dealt with, from milking to delivery. Bull. san., Montréal, 1910, **10:** 67–72.

MILK casein.

See also **Casein; Milk coagulation; Milk modification; Milk protein.**

Browne, F. L. Technologically useful properties of casein. In: Colloid Chem. (Alexander, J.) N. Y., 1932, **4:** 399–414.—**Carpenter, D. C.** The optical rotation and dissociation of casein. J. Am. Chem. Soc., 1935, **57:** 129–31.—**Caseina** e sue applicazioni. Gior. farm. chim., Tor., 1903, **52:** 215–9.—**Dunn, M. S.** Casein. Biochem. Prepar., N. Y., 1949, **1:** 22–4.—**Rakuzin, M. A.** [Optic property, adsorption and centrifugation of casein solutions] J. Russ. fiz. khim. obshch., khim.

ch., 1915, 47: 147–9. ——— & **Logunova, R. S.** [Rotary power of the caseinates of alkali metals] Ibid., 1059–61.—**Strohecker, R.** Casein, Milchzucker. In: Handb. Lebensmittelchem. (A. Bömer) Berl., 1936, 3: 423–8.—**Targue, E. L.** Aplicaciones técnicas de la caseína. Rev. med. vet., B. Air., 1942, 24: 253; passim.—**Vom Kasein.** Schweiz. Drogist. Ztg, 1947, 47: 268.

—— Antigenicity.

Bagdy, D., & Kesztyüs, L. Ueber Antigeneigenschaften von Caseinfraktionen. Ber. ges. Physiol., 1943–44, 134: 182. ——— Weitere Untersuchungen über die Antigeneigenschaften des Kaseins. Zschr. Immunforsch., 1944–45, 105: 365–71.—**Kocsis, A., & Kesztyüs, L.** A phosphor-komponens szerepe a casein antigenspecificitásának meghatározásában. Magy. orv. arch., 1941, 42: 367. Also Zschr. Immunforsch., 1942, 101: 356–60.

—— Biology.

Fick, H. F. The composition of casein and its relation to certain dairy phenomena. Summaries Doct. Diss. Univ. Wisconsin, 1942, 7: 45–7.—**Fischer, M. H., & Suer, W. J.** Casein as catalase. Arch. Path., Chic., 1939, 27: 824–7.—**Porcher, C., & Muffet, E.** Le sort de la caséine dans la rétention lactée. Lait, 1930, 10: 394; 528.—**Zollikofer, E.** Die Kaseinzahl der Milch bei normaler und gestörter Sekretion. Mitt. Lebensmitteluntersuch., Bern, 1943, 34: 74–9.

—— Chemistry.

Mellander, M. O. S. On chemical and nutritional differences between casein from human and from cow's milk. p.107–98. 22½cm. Upps., 1947.

Upsala läk. fören. förh., 1946–47, 52:

Timpe, O. H. *Ein Beitrag zur Chemie des Caseins der Kuhmilch [Würzburg] p.141–5. 8° Berl., 1927.

Also Zschr. Kinderh., 1927, 44:

Ballowitz, K. Ueber die Adsorption von Ca an das Casein der Milch. Biochem. Zschr., 1932, 256: 64–74.—**Cherbuliez, E., & Baudet, P.** Sur les constituants de la caséine. Helvet. chim. acta, 1950, 33: 398–404.—**Damodaran, M., & Ramachandran, B. V.** Amino-acids of casein phosphopeptone. Nature, Lond., 1940, 145: 857.—**Díaz, P.** Ausencia del factor N en la caseína del comercio. Bol. Soc. biol. Santiago, 1943–44, 1: 17. Also Rev. med. aliment., Santiago, 1943–44, 6: 9.—**Dunn, M. S., & Rockland, L. B.** Investigations of amino acids, peptides and proteins; the histidine content of casein. Arch. Biochem., N. Y., 1946, 11: 89–108.—**Fodor, A., Fodor, P. J., & Kuk-Meiri, S.** The chemical composition of acropeptides from casein and their behaviour towards enzymes. Enzymologia, Amst., 1947, 12: 101–6.—**Fox, S. W., Kobayashi, Y.** [et al.] The bacterial activity of racemized casein, caseose, and the four diastereoisomeric leucylleucines. J. Am. Chem. Soc., 1948, 70: 3404–6.—**Gordon, W. G., Semmett, W. F.** [et al.] Some amino acid analyses of whole casein, α-casein and β-casein. Fed. Proc., Balt., 1947, 6: 255. ——— Amino acid composition of casein, α-casein and β-casein. Ibid., 1949, 8: 202. Also J. Am. Chem. Soc., 1949, 71: 3293–7.—**Graf, E.** Ueber den Basenumtausch an Kasein. Kolloid Beihefte, 1937, 46: 229–310.—**Jones, D. B., & Gersdorff, C. E. F.** Decystinized casein. Proc. Am. Soc. Biol. Chem., 1938, 8: No. 7, 64.—**Kovács, E.** Vergleichende physikalische und chemische Untersuchungen an Caseinen verschiedener Tierarten. Biochem. Zschr., 1940, 306: 74–6.—**Lieben, F.** On the silver compound of casein in alkaline medium. J. Biol. Chem., 1945, 157: 627–32.—**Lindet, L.** Sur les formes que le phosphore et le calcium affectent dans la caséine du lait. C. rend. Acad. sc., 1912, 155: 923. Also Rev. gén. lait, 1911–12, 9: 265–7.—**McMeekin, T. L., Groves, M. L., & Hipp, N. J.** Specific volume of α-and β-casein and relationship of specific volume to amino acid composition. Fed. Proc., Balt., 1949, 8: 223. ——— Apparent specific volume of á-casein and á-casein and the relationship of specific volume to amino acid composition. J. Am. Chem. Soc., 1949, 71: 3298–300.—**Massart, L., & Vanderhoeven, D.** The basophily of casein. Arch. internat. pharm. dyn., Gand, 1948–49, 77: 369–74.—**Mocquot, G.** Etude sur l'eau des caillés de fromagerie (phosphocaséinates de calcium) et son comportement vis-à-vis de quelques substancex non électrolytes. C. rend. Acad. sc., 1945, 221: 121–3.—**Mutt, V.** Bound chlorine in casein and in tissue proteins. Acta chem. scand., 1949, 3: 300.—**Nitschmann, H.** Elektronenmikroskopische Grössenbestimmung der Calciumcaseinatteilchen in Kuhmilch. Helvet. chim. acta, 1949, 32: 1258–64. ——— & **Hadorn, H.** Die Umsetzung des Caseins mit Formaldehyd; quantitative Verfolgung der Formaldehydbindung bei der Härtung des Caseins mit wässrigem und mit gasförmigem Formaldehyd. Ibid., 1943, 26: 1075–84.—**Pader, M., Melnick, D., & Oser, B. L.** Factors affecting the availability of lysine in heat-processed casein. J. Biol. Chem., 1948, 172: 763–9.—**Paloheimo, L.** Ueber die Ergänzung von Casein durch Verabreichung von l-Cystin. Biochem. Zschr., 1937–38, 295: 48–57.—**Patton, A. R., Hill, E. G., & Foreman, E. M.** Amino acid impairment in casein heated with glucose. Science, 1948, 107: 623.—**Pien, J., & Weissmann, M.** Nouvelles études sur le dosage des matières minérales des caséines lactiques. Lait, 1939, 19: 15–22.—**Piettre, M.** Au sujet des complexes caséinate, caséinophosphate de chaux dans le lait. C. rend. Acad. sc., 1932, 194: 1988–91.—**Plimmer, R. H. A., & Lawton, J. H. T.** Analysis of proteins; the products of the action of sodium hydroxide on caseinogen; the composition of dephosphocasein, or depocasein. Biochem. J., Lond., 1939, 33: 530–42.—**Posternak, T., & Pollaczek, H.** Sur les phosphopeptones de la caséine (lactotyrines) Nutrit. Abstr., Aberdeen, 1942–43, 12: 23 (Abstr.)—**Rakuzin, M. A., & Flier, G. D.** [Adsorption of casein by aluminum oxide] J. Russ. fiz. khim. obshch., khim. ch., 1915, 47: 1331.—**Ramsdell, G. A., & Whittier, E. O.** Composition of casein in milk. J. Biol. Chem., 1944, 154: 413–9.—**Schein, A. H., & Berg, C. P.** Destruction and racemization of basic amino acids upon autoclaving casein with sulfuric acid. Fed. Proc., Balt., 1943, 2: 69 (Abstr.) ——— The effect of varying the conditions of heating casein with sulfuric acid upon the yields and optical rotations of the basic amino acids. Arch. Biochem., N. Y., 1946, 11: 215–24.—**Sorimati, K.** Kasein no datu-rinsan-ka ni tuite [The dephosphorization of casein] Nippon seikagakkai kaihō, 1938, 13: 207.—**Stewart, A. P.,** jr. The effect of the interaction of casein and lactose on certain properties of milk and milk products. Abstr. Theses Cornell Univ. (1942) 1943, 472–5.—**Toennies, G.** The oxidative conversion of casein into protein free of methionine and tryptophane. J. Biol. Chem., 1942, 145: 667–70. Also Fed. Proc., Balt., 1942, 1: pt 2, 138 (Abstr.)—**Warner, R. C.** Separation of α- and β-casein. J. Am. Chem. Soc., 1944, 66: 1725–31.

—— Coagulation.

See **Milk coagulation.**

—— Colloid properties.

Küntzel, A., & Doehner, K. Der Lösungszustand und das Quellungsverhalten des Kaseins in der Milch. p.277–358. 23½cm. Dresd., 1940.

Also in: Kolloid Beihefte, 1939–40, 51:

Nitschmann, H., & Guggisberg, H. Strömungsoptische und viskosimetrische Untersuchungen über den Lösungszustand von Casein. [63]p. 23cm. Basel, 1941.

Helvet. chim. acta, 1941, 24: 434; 574.

Olbrich, W. *Untersuchungen über die Abhängigkeit des Grades der strahlenbedingten Umwertung des Caseins von der Strahlenintensität. 12p. 23cm. Berl., 1936.

Christen, C., & Virasoro, E. La loi d'action de la présure dans la coagulation du complexe caséinate de calcium & phosphates de calcium. Lait, 1932, 12: 923–31, 3 ch.—**Cohen, H. R.** The effect of dry grinding on the properties of proteins; studies on casein. Arch. Biochem., N. Y., 1943, 2: 345–51.—**Déribéré, M.** Le séchage de la caséine par rayonnement infrarouge. Lait, Par., 1943, 23: 289–95.—**Hankinson, C. L., & Briggs, D. R.** Electrokinetics; the electroviscous effect; in systems of calcium and sodium caseinates. J. Phys. Chem., 1941, 45: 943–53.—**Kopaczewski, W.** Gélification de la caséine dans ses rapports avec celle du lait. Lait, 1936, 16: 801–10.—**Kreidl, A., & Neumann, A.** Ultramikroskopische Beobachtungen über das Verhalten der Kaseinsuspension in der frischen Milch und bei der Gerinnung. Arch. ges. Physiol., 1908, 123: 523–39.—**Krejci, L. E.** Electrophoretic evidence for complex formation in casein; a correction. J. Franklin Inst., 1942, 234: 197–201. ——— **Jennings, R. K.** [et al.] Electrophoretic evidence for complex formations in casein. Ibid., 1941, 232: 592–6.—**Laki, K.** On the electronegativity of atoms and their influence on the isoelectric point of casein. Stud. Inst. M. Chem. Univ. Szeged (1942) 1943, 2: 43–8.—**McKee, R. H., & Gould, S. P.** The solubility of casein in salts of certain organic acids, and its fractionation by means of these acids. J. Agr. Res., 1938, 57: 125–43.—**Mellander, O.** Elektrophoretische Untersuchung von Casein. Biochem. Zschr., 1938–39, 300: 240–5.—**Mellon, E. F., Korn, A. H., & Hoover, S. R.** Water absorption of proteins; lack of dependence of hysteresis in casein on free amino groups. J. Am. Chem. Soc., 1948, 70: 1144–6.—**Nitschmann, H., & Hadorn, H.** Die Umsetzung des Caseins mit Formaldehyd; der Einfluss der Formaldehydgerbung auf das Quellungsvermögen des Caseins. Helvet. chim. acta, 1943, 26: 1084–98.—**Nitschmann, H., & Lehmann, W.** Elektrophoretische Differenzierung von Säure- und Labcasein. Experientia, Basel, 1947, 3: 153.—**Trendtel, F.** Ueber individuelle Verschiedenheiten des isoelektrischen Punktes beim Frauenmilchcasein. Biochem. Zschr., 1927, 180: 371–6.—**Wang, C. C., & Wood, A. A.** The optimum conditions for the precipitation of casein from human and from cow's milk. Am. J. Dis. Child., 1930, 40: 787–90.—**Zoller, H. F.** The precipitation of grain curd casein from pasteurized milk including pasteurized sweet cream buttermilk. Science. 19 0, n. ser., 52: 392.

—— Determination.

Arny, H. V., & Pratt, T. M. Estimation of caseine; a preliminary study. Am. J. Pharm., 1906, **78**: 121–8.—**Brereton, F. G., & Sharp, P. F.** Refractometric determination of casein in skim milk. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 540 (Abstr.)—**Sullivan, M. X., Milone, H. S., & Everitt, E. L.** A rapid procedure for estimating the tryptophane content of casein. J. Biol. Chem., 1938, **125**: 471–4.

—— Digestibility.

Hösl, J. *Ueber Unterschiede in der tryptischen und peptischen Spaltung des Caseins, Paracaseins und des Paracaseinkalkes aus Kuh- und Ziegen-Milch. 29p. 8°. Bern, 1910.

Bhagvat, K. The relative digestibility of caseins in their artificial and natural environments. Proc. Soc. Biol. Chemists India, 1936, **1**: 22–4.—**Chow, B. F.** The effect of enzymatic hydrolysis on the nutritive value of casein; digestion of casein with bacterial and fungal enzymes. J. Nutrit., 1948, **36**: 239–44. ——— **Allison, J. B., & White, J.** The effect of enzymatic hydrolysis on the nutritive value of casein; digestion of casein with pancreatic enzymes. Ibid., 231–8.—**Fodor, P. I., Kuk-Meiri, S., & Fodor, A.** The digestibility of casein derivatives by the digestive tract. Exp. M. & S., 1944, **2**: 311–8.—**Jones, D. B., & Gersdorff, C. E. F.** Digestion studies in vitro; some partial cleavage products from a peptic digest of casein. J. Biol. Chem., 1933, **100**: p. lviii; 1934, **105**: p. xlii.

—— Hydrolysate.

Agren, G. A note on the growth promoting properties of an enzymatic hydrolysate of casein. Acta chem. scand., 1947, **1**: 69.—**Albanese, A. A.** Preparation of methionine and tryptophane-free cascin hydrolysates. Science, 1943, **98**: 46.—**Allison, J. B., Chow, B. F.** [et al.] The effect of enzymatic hydrolysis on the nutritive value of casein; intravenous feeding in dogs. J. Biol. Chem., 1949, **180**: 383–7.—**Alper, C., Chow, B. F., & De Biase, S. O.** Administration of parenteral and oral casein hydrolysates to depleted dogs. Fed. Proc., Balt., 1949, **8**: 180.—**Armijo y Valenzuela, M. de.** Los hidrolizados de caseína en terapéutica. Farmacoter. actual, 1947, **4**: 75–81.—**Beck, J.** The hydrolysis of casein by enzymes with especial reference to the distribution of amino acids in the hydrolysate. Microfilm Abstr. Doct. Diss., 1947, **7**: No. 2, 9.—**Block, R. J., & Bolling, D.** Essential amino acid distribution in a casein hydrolysate suitable for parenteral injection. Am. J. Pharm., 1944, **116**: 368.—**Brinkman, R., Eerland, L. D.** [et al.] Hydrolyzed casein (capain) as a plasma substitute. J. Laborat. Clin. M., 1945, **30**: 1034–6.—**Chow, B. F., & De Biase, S.** The effect of oral administration of casein hydrolysate on the total circulating plasma proteins of man. Ibid., 1948, **33**: 453–61.—**Christensen, H. N., Lynch, E. L., & Powers, J. H.** The conjugated, non-protein, amino acids of plasma; peptidemia and hyperpeptiduria as a result of the intravenous administration of partially hydrolyzed casein (amigen) J. Biol. Chem., 1946, **166**: 649–52.—**Clark, D. E., Brunschwig, A., & Corbin, N.** Utilization of parenterally administered casein digest for synthesis of proteins. Proc. Soc. Exp. Biol., N. Y., 1942, **49**: 282–5.—**Cox, W. M., jr, & Mueller, A. J.** Nitrogen retention on casein digests. Ibid., 1939, **42**: 658–63. ——— Effect of intravenous casein hydrolysate on the amino nitrogen and CO_2 combining power of plasma. Fed. Proc., Balt., 1943, **2**: 59 (Abstr.) ——— [et al.] Species difference in nitrogen retention; the effect of adding methionine to an enzymic casein hydrolysate. Ibid., 1947, **6**: 246.—**Eldred, N. R., & Rodney, G.** The effect of proteolytic enzymes on raw and heated casein. J. Biol. Chem., 1946, **162**: 261–5.—**Elman, R.** Amino-acid content of the blood following intravenous injection of hydrolyzed casein. Proc. Soc. Exp. Biol., N. Y., 1937–38, **37**: 437–40. ——— Parenteral replacement of protein with the amino-acids of hydrolyzed casein. Ann. Surg., 1940, **112**: 594–——— **Weiner, D. O., & Bradley, E.** Intravenous injections of amino-acids, hydrolyzed casein, in postoperative patients. Ibid., 1942, **115**: 1160–5.—**Everitt, E. L., & Hess, W. C.** The in vitro digestion of casein and the determination of some of the amino acids in the cleavage products. Bull. Georgetown Univ. M. Cent., 1949–50, **3**: 47–9.—**Frazier, W. C., & Rupp, P.** Studies on the proteolytic bacteria of milk; action of proteolytic bacteria of milk on casein and gelatin. J. Bact., Balt., 1928, **16**: 187–96.—**Fuller, J., Humphreys, E. M.** [et al.] Fates of parenterally administered homologous serum protein and cascin hydrolysate. Fed. Proc., Balt., 1949, **8**: 356.—**Gilson, L. E., Tytell, A. A.** [et al.] Oxalic acid hydrolysate of casein for bacteriological purposes. Ibid., 1942, **1**: pt 2, 112 (Abstr.)—**Goldberg, L., & Wretlind, K. A. J.** The toxicity of a dialyzed casein digest. Acta physiol. scand., 1947, **14**: 19–26.—**Hankes, L. V., Riesen, W. H.** [et al.] Liberation of amino acids from raw and heated casein by acid and enzyme hydrolysis. J. Biol. Chem., 1948, **176**: 467–76.—**Hartmann, A. F., Lawler, H. J., & Meeker, C. S.** Studies of amino acid administration; clinical uses of an enzymatic digest of casein. J. Pediat., S. Louis, 1944, **24**: 371–86.—**Hoffman, W. S., Kozoll, D. D.** [et al.] The determination of the nitrogen balance index of a new lyophilized casein acid hydrolysate in protein-deficient patients. Proc. Centr. Soc. Clin. Res., 1947, **20**: 76.—**Hoffman, W. S., Kozoll, D. D., & Osgood, B.** Blood chemical changes following intravenous administration of a casein hydrolysate to human subjects. Proc. Soc. Exp. Biol., N. Y., 1946, **61**: 137–40.—**Holmstedt, B., & Wretlind, K. A. J.** Effect on blood pressure of enzymatic casein digest. Acta physiol. scand., 1948–49, **16**: 321–5.—**Hopps, H. C., & Campbell, J. A.** Immunologic and toxic properties of casein digest as prepared for parenteral administration. J. Laborat. Clin. M., 1942–43, **28**: 1203–11. Also Am. J. Path., 1942, **18**: 750 (Abstr.)—**Horvitz, A., Sachar, L. A., & Elman, R.** Effect of parenteral amino acids, hydrolyzed casein, on growth of rats. Proc. Soc. Exp. Biol., N. Y., 1942, **49**: 118–21.—**Horwitt, M. K.** Observations on the first stages of casein hydrolysis by chymotrypsin and trypsin. J. Biol. Chem., 1944, **156**: 421–5.—**Huzita, S.** Ueber die partielle Hydrolyse des Caseins. Tôhoku J. Exp. M., 1938, **34**: 339–44.—**Jorpes, J. E., Magnusson, J. H., & Wretlind, A.** Casein hydrolysate; a supplementary food for premature infants. Lancet, Lond., 1946, **2**: 228–32. Also Rev. med. cir. S. Paulo, 1948, **8**: 633–45.—**Learner, N., Robinson, H. W.** [et al.] The effects upon small intestine of rapid intravenous injections of casein hydrolysate. Gastroenterology, 1945, **5**: 201–9.—Leifson, E. Preparation and properties of bacteriological peptones; enzymic hydrolysates of casein. Bull. Johns Hopkins Hosp., 1943, **72**: 179–99.—**Letter** of information and instruction on the use of casein hydrolysate (amigen) Bumed News Lett., Wash., 1944, **4**: 26–32.—**Lombroso, C., Ardy, C., & Muratorio, A.** Ricerche sugli autolizzati proteici; metabolismo gassoso di cani adulti trattati per via parenterale o alimentati con autolizzati di caseina. Boll. Soc. ital. biol. sper., 1949, **25**: 313.—**Lombroso, C., Ardy, C., & Rossi, O.** Metabolismo gassoso di cani in accrescimento alimentati con autolizzati di caseina o con caseina. Ibid., 312.—**Madden, S. C., Zeldis, L. J.** [et al.] Casein digests parenterally utilized to form blood plasma protein. J. Exp. M., 1941, **73**: 727–43.—**Maggioni, G.** Sul potere tampone degli idrolisati di caseina. Boll. Soc. ital. biol. sper., 1948, **24**: 921.—**Magnusson, J. H.** An amino acid mixture, casein hydrolysate, as an additional food for premature infants. Acta paediat., Upps., 1948, **35**: Suppl. 1, 290.—**Mellander, O.** On casein from human and cow's milk and their behaviour on hydrolysis with different proteolytic enzymes; preliminary report. Ibid., 1944–45, **32**: 668–83.—**Mueller, A. J., Fickas, D., & Cox, W. M.,** jr. Minimum maintenance requirement of an enzymic casein hydrolysate. Bull. Johns Hopkins Hosp., 1943, **72**: 110–5.—**Mueller, J. H., & Johnson, E. R.** Acid hydrolysates of casein to replace peptone in the preparation of bacteriological media. J. Immun., Balt., 1941, **40**: 33–8.—**Mulholland, W. M., & Fox, H.** Metabolism and disposal of casein hydrolysate administered intravenously. Am. J. Dis. Child., 1949, **77**: 126.—**Sahyun, M.** Some aspects of metabolism following parenteral administration of casein hydrolysate. Proc. Soc. Exp. Biol., N. Y., 1941, **48**: 14–9. ——— **Kade, C. F., jr, & Houston, J.** Preparation and nutritive value of an incomplete acid hydrolysate of casein. Am. J. Digest. Dis., 1947, **14**: 230–5.—**Schein, A. H., & Berg, C. P.** The effect of varying the conditions of hydrolyzing casein with sulfuric acid upon the optical rotation and the amino and ammonia nitrogen content of the hydrolyzates. Arch. Biochem., N. Y., 1946, **11**: 209–13.—**Shohl, A. T.** Nitrogen storage following intravenous and oral administration of casein hydrolysate to infants with acute gastro-intestinal disturbance. J. Clin. Invest., 1943, **22**: 257–63. ——— **Butler, A. M.** [et al.] Nitrogen metabolism during the oral and parenteral administration of the amino acids of hydrolyzed casein. J. Pediat., S. Louis, 1939, **15**: 469–75.—**Warner, R. C., & Polis, E.** On the presence of a proteolytic enzyme in casein. J. Am. Chem. Soc., 1945, **67**: 529–32.—**Williams, Y. J., Bishop, E. A., & Young, W. F.** Hydrolysed casein for parenteral administration to infants. Arch. Dis. Childh., Lond., 1949, **24**: 159–70.—**Winnick, T.** General characteristics of the partial hydrolysis products from the action of proteolytic enzymes of casein. J. Biol. Chem., 1944, **152**: 465–73.—**Wretlind, K. A. J.** About the pyrogen activity of dialyzed casein digest. Acta physiol. scand., 1946, **12**: 385–8. ——— Free amino acids in dialyzed casein digest. Ibid., 1947, **13**: 45–54.

—— iodized.

Dyrendahl, S. E. L. *Some effects of feeding iodinated casein for a long time to cattle, swine and white rats. 116p. 24cm. Stockh., 1949.

Jorâdo, L. P., & Assis, F. de P. Ensáio preliminar com iodo caseina produzida no Brasil, visando o aumento da quantidade de leite e do teôr de gordura, em bovinos. Bol. Soc. paul. med. vet., 1945–46, **7**: 223–30.—**Man, T. J. de, & Bos, K.** Over de beïnvloeding van den leg bij kippen door gejodeerd caseïne. Tschr. diergeneesk., 1946, **71**: 755–64.—**Marenzi, A. D., & Vilallonga, F.** Los espectros de absorción en el ultravioleta de la caseína iodada y de la tiroglobulina. Pub. Centro tisiol., B. Air., 1941, **5**: 297–302. Also Rev. Soc. argent. biol., 1941, **17**: 270–4.—**Reinecke, E. P., & Turner, C. W.** The effect of manganese compounds and certain other factors on the formation of thyroxine in iodinated casein. J. Biol. Chem., 1945, **161**: 613–9. ——— [et al.] The quantitative determination of thryoxine in iodinated casein having thyroidal activity. Ibid., 599–611.—**Thorbek, G., Hansen, I. G., & Moustgaard, J.** The influence of iodized casein on the metabolism of milk cows. J. Animal Sc., 1948, **7**: 291–7.

—— Manufacture.

Pien, J., & Herschdoerfer, S. La fabrication des caséines lactiques à faible teneur en cendres. Lait, 1934, **14**: 30–7.—**Sartory, A., Sartory, R., & Meyer, J.** Le rôle des actinomyces

cellulolytiques dans les altérations des toiles de lin et de chanvre utilisées au cours de la fabrication des caséines. C. rend. Acad. sc., 1948, 226: 1212.

—— Nutritive value.

Braasch, G. J. A. *Zur Kenntnis der Veränderung im Stoffwechsel bei allmählichem Ersatz des Kartoffeleiweisses durch Casein als Nahrungseiweiss. 15p. 22cm. Berl., 1936.

Ewald, J. W. O. H. *Zwei experimentelldiätetische Studien; zur Kenntnis des individuellen Charakters der Beeinflussung der Oxydationslage im Zwischenstoffwechsel durch die Qualität unterschiedlicher Eiweisse in der Nahrung nach Mischungsversuchen mit Hafereiweiss und Edestin; vergleichende Untersuchungen über den Glykogengehalt der Leber bei der Ernährung mit einer Casein- oder Karottendiät. 25p. 22½cm Berl., 1939.

Geissler, P. *Vergleichendende Untersuchungen über die Beeinflussung der Harnquotienten C:N und Vacat O:N durch Casein und Roggenmehl 40% iger Ausmahlung bei Verfütterung N-aequimolekularer Mengen an Ratten. 15p. 23cm. Berl., 1939.

Schröder, H. *Einfluss der Röstung eines reinen tierischen Eiweisses auf dessen ernährungsphysiologische Wirkung am Beispiel des Caseins. 16p. 23cm. Berl., 1938.

Turner, H. H. H. *Kasuistischer Beitrag zur Kenntnis der Wirkung des Zusatzes einer kleinen Kaseinmenge auf den Stoffwechsel bei der Ernährungslage der deutschen Zivilbevölkerung im Winter 1939–40. 20p. 23cm. Berl., 1940.

Bennett, M. A., & Toennies, G. A nutritional assay of casein modified by the action of hydrogen peroxide and formic acid. J. Biol. Chem., 1942, **145**: 671–7.—**Bosshardt, D. K., Ayres, M. M.** [et al.] The effect of liver extracts on the utilization of casein for growth. J. Nutrit., 1946, **32**: 93–9.—**Cannon, M. D., Boutwell, R. K., & Elverjem, C. A.** The vitamin content of casein. Science, 1945, **102**: 529.—**Derse, P. H., Elvehjem, C. A., & Hart, E. B.** Nutritive value of casein as influenced by alcohol extraction. Proc. Soc. Exp. Biol., N. Y., 1948, **68**: 669–72.—**Eckert, J. N.** Sulfur balance indexes of casein in adult dogs with and without addition of DL-methionine. Arch. Biochem., Lanc., 1948, **19**: 379–87.—**Greaces, E. O., Morgan, A. F., & Loveen, M. K.** The effect of amino-acid supplements and of variations in temperature and duration of heating upon the biological value of heated casein. J. Nutrit., 1938, **16**: 115–28.—**Harte, R. A.** Addition of casein to mixed protein diet. Am. J. Digest. Dis., 1947, **14**: 208.—**Isiguro, H.** Casein oyobi kanten wo hukumu tokusyu syokuzi siyō ni yoru mouse no kanzō no henka ni tuite [On the pathological changes in the livers of mice fed on the special diets mixed with casein or agar] Jap. J. Vet. Sc., 1943, **5**: 207–32.—**McInroy, E. E., Murer, H. K., & Thiessen, R.,** jr. The effect of autoclaving with dextrose on the nutritive value of casein. Arch. Biochem., Lanc., 1949, **20**: 256–60.—**Maitra, M. K., & Moore, T.** The vitamin A content of Light White casein. Biochem. J., Lond., 1939, **33**: 1648–51.—**Mayfield, H. L., & Hedrick, M. T.** The effects of various levels of thiamine and riboflavin intake upon the utilization of casein, supplemented with methionine. J. Nutrit., 1949, **37**: 475–86.—**Morgan, A. F., & Greaves, E. O.** Note on the nutritive value of Glaxo and Light White caseins. Biochem. J., Lond., 1937, **31**: 1553–5.—**Pirl, E.** Experimentelle Untersuchungen über den Einfluss unterschiedlicher Mengen des gleichen Eiweisses (Casein) in der gemischten Nahrung auf den Glykogengehalt der Leber und die Oxydationslage im Zwischenstoffwechsel. Zschr. ges. exp. Med., 1939, **106**: 328–37.—**Raoul, Y., & Marnay, C.** Action corrective des phyto-hormones sur un régime à faible teneur en caséine chez le rat. Bull. Soc. chim. biol., Par., 1949, **31**: 839–42.—**Roth, J. S., & Allison, J. B.** The effect of feeding excess glycine, arginine, and methionine on the utilization of casein. Abstr. Papers Am. Chem. Soc., 1948, 114. meet., 13C.—**Savazzini, L.** La caséine dans le régime des rats blancs. C. rend. Soc. biol., 1925, **93**: 972.—**Stekol, J. A.** Phenanthrene in relation to growth of rats maintained on a low-casein diet. Proc. Soc. Exp. Biol., N. Y., 1939, **42**: 328–30.—**Weast, E. O., Groody, M., & Morgan, A. F.** Utilization by dogs of the nitrogen of heated casein. Am. J. Physiol., 1948, **152**: 286–301.

—— Preparations.

See also **Milk modification.**

Chen, T. T., Hirooka, T., & Kawarada, M. Ueber das Caseino-Trypton. J. Biochem., Tokyo, 1940, **31**: 335–41.—**Frey, E.** Plasmon. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, 11: 845.—**Hogan, A. G., Powell, E. L., & Guerrant, R. E.** Anemia from lysine deficiency in deaminized casein. J. Biol. Chem., 1941, **137**: 41–9.—**Küntzel, A., & Doehner, K.** Ueber die Herstellung von Fasern aus Kasein. Kolloid Beihefte, 1940–41, **52**: 1–44.—**Mummery, W. R.** Casein mucilage. N. Zealand J. Sc., 1945–46, Sect. B, **27**: 55–8.—**Nitulescu-Bologa, V., & Popoviciu, I.** [Facts on the use of casein-calcium (Larosan) in gastroenteritis and hypotrophy] Cluj. med., 1926, **7**: 271–3.—**R., F.** Vernis à base de caséine. Ann. pharm., Louvain, 1904, **10**: 127.—**Weisberg, S. M., & Greenspan, J.** Production of devitaminized casein by solvent extraction. U. S. Patent Off., 1949, No. 2,477,505.

—— Therapeutic use.

Curtis, R. M., & Brewer, J. H. Casein in the local treatment of burns and wounds. Arch. Surg., 1944, **48**: 130–6, pl.—**Hofman, J. J.** La caséine et son emploi en pharmacie. Congr. pharm. Liège (1934) 1935, 137–40.—**Konsuloff, S.** Die Wirkung des Labcaseins auf das Wachstum bösartiger Tumoren. Zschr. Krebsforsch., 1943–44, **54**: 375–8.—**Maseda, K., & Sonoda, S.** Ganka-ryōiki ni okeru Caseln seizai no ōyō ni tuite [Ueber die Anwendung des Kaseinpräparates im Gebiete der Augenheilkunde] Nagasaki igakkai zassi, 1925, **3**: 184–94.—**Wretlind, K. A. J.** Changes in the carbon dioxide combining power after injection of dialyzed casein digest. Acta physiol. scand., 1948, **15**: 100–8.

MILK (certified)

Abbrev.: CM for Certified milk.

See also **Milk commission; Milk contamination; Milk grading; Milk (raw)**

American Association of Medical Milk Commissions. The facts about CM. 14p. 8° N. Y., 1936.

Barnes, H. L. The story of CM. Certif. Milk, 1934, **9**: 5.—**Brown, J. H.** CM a wartime necessity. Ibid., 1943, **18**: No. 204, 3. —— CM is a medical food required by physicians. Ibid., No. 208, 3. —— Why CM? Am. J. M. Sc., 1946, **211**: 144–8.—**Burghardt, G. F.** Certified milk. Marquette M. Rev., 1936–37, **1**: 25–8.—**California** court upholds status of CM. Certif. Milk, 1941, **16**: No. 184, 11.—**Cassidy, P. B.** Feeding of CM produces striking decrease in death rate. Ibid., 1937, **12**: No. 130, 5.—**Certified milk** in the U. S. Public Health Service ordinance. Ibid., 1938, **13**: No. 151, 7.—**Cohen, S. A.** Presenting CM to the profession. N. York State J. M., 1940, **40**: 20–2. —— CM; yesterday and tomorrow. Ibid., 1317–9.—**Coit, H. L.** Clean milk in its economic and medical relations with special reference to certified milk. Kentucky M. J., 1908, **6**: 279–84.—**Cook, A. S.** CM promotion in metropolitan district of Philadelphia. Certif. Milk, 1941, **16**: No. 185, 9.—**Corbin, C. I.** Symposium on nutritional quality developments in CM; soft curd milk. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 101–5.—**Dwyer, H. L.** The importance of CM in the diet after infancy. Arch. Pediat., N. Y., 1936, **53**: 635–8. —— CM is a milk for every member of the family. Certif. Milk, 1942, **17**: No. 192, 5.—**Giltner, W.** Why CM? J. Am. Vet. M. Ass., 1932, **80**: 375–9.—**Hall, R. M.** Pediatric experiences with CM. Certif. Milk, 1940, **15**: No. 165, 3.—**Hardenbergh, J. G.** Nutritional value of CM. Ibid., 1936, **11**: No. 124, 5.—**Heffernan, H. N.** Possibilities of CM in the South. Ibid., 1930, **5**: 1.—**Horn, D. W.** A survey of CMs. Hahneman. Month., 1934, **69**: 401–21.—**Johnson, A. W.** CM in war time. Certif. Milk, 1943, **18**: No. 205, 3.—**Jones, C. C.** Stress CM for all; babies, children, adults. Ibid., 1942, **17**: No. 190, 7.—**Kellogg, J. H.** Clean CM vs. denatured pasteurized milk. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 112–9.—**Larson, C. W.** The trend of CM. Certif. Milk, 1940, **15**: No. 172, 9.—**Lewis, M. S.** The importance of CM. Memphis M. J., 1932, **9**: 177–80.—**McEnery, E. T.** Continue CM when baby grows up. Certif. Milk, 1942, **17**: No. 192, 12.—**Moak, H.** Twenty-five years in CM; a history of progress touching the interests of every obstetrician, pediatrician, family physician and public health official in the United States. Ibid., 1933, **8**: 1–3. —— Certified milk. Rhode Island M. J., 1933, **16**: 123–7.—**Morse, J. L.** Certified milk. Boston M. & S. J., 1926, **195**: 1143.—**Murphy, W. G.** The value of CM. Pediatrics, N. Y., 1907, **19**: 729–33.—**Norris, J. C.** The American milk revolution. Certif. Milk, 1940, **15**: No. 176, 3, portr.—**North, C. E.** Has sanitation of CM any practical value? Ibid., 1934, **9**: 3–5.—**Nuttall, J. P.** Idealism, the background of CM. Ibid., 1938, **13**: No. 149, 5.—**Posson, R. J.** CM, what it has done, what it can do. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 232–5.—**Regan, J. C.** CM is definitely the best milk available. Certif. Milk, 1941, **16**: No. 189, 3.—**Richardson, F. H.** What value, CM? Bull. Buncombe Co. M. Soc., 1941, **5**: No. 2, 21.—**Roth, G.** The story of CM. Mouth Health Q., Minneap., 1937, **6**: No. 2, 31–47, illust.—**Scofield, W. W.** CM from the standpoint of the food official. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 201–9.—**Stearns, T.** CM a factor in development of a superior race in North America. Certif. Milk, 1939, **14**: No. 158, 9.—**VanDerslice, J. W.** The future outlook for CM. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 123–6.—**Weiss, S.** Eine Bereicherung der diätetischen Ernährung. Wien. med. Wschr., 1927, **77**: 977.—**Wherry, E. G.** Certified milk. J. M. Soc. N. Jersey, 1926,

23: 627–30.—**Woelffer, E. A.** CM holds its own. Certif. Milk, 1940, 15: No. 176, 7.—**Wolman, I. J.** The meaning of quality in milk with special reference to CM. Ibid., 9; passim; portr.—**Zentay, P. J.** The outlook for CM. Ibid., 1942, 17: No. 194, 5.

—— Bacteria.

Brown, J. H., Frost, W. D., & Shaw, M. Hemolytic streptococci of the beta type in CM. J. Infect. Dis., 1926, 38: 381–8.—**Chalmers, C. H.** A study of coliform organisms in samples of CM. J. Hyg., Cambr., 1927–28, 27: 295–305.—**Frost, W. D., Gumm, M., & Thomas, R. C.** Types of hemolytic streptococci in CM. J. Infect. Dis., 1927, 40: 698–705.—**Hasley, D. E.** Bruccla abortus in CM. Ibid., 1930, 46: 430–4. ——— Further studies on Brucella abortus in CM. Am. J. Pub. Health, 1931, 21: 515–8.—**Stewart, A. H.** A bacteriological study of the CM of Philadelphia. Am. J. M. Sc., 1906, n. ser., 131: 625–35.—**Stuart, C. A., Wheeler, K. M., & Griffin, A. M.** coliform organisms in CM. J. Bact., Balt., 1938, 36: 411–8.

—— Certification.

Brown, J. H. Revision of methods and standards for CM. Am. J. Pub. Health, 1939, 29: 355–8.—**Cook, A. S.** Certification of milk by more than one Commission. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 223–6.—**Graded** milks; certified milk (examined 41; passed 40; rejected 1) Portsmouth Health Rep., 1933, 93.—**Paula Rodrigues, A. de.** A certificação hygienica do leite; methodos utilizados e apreciação dos resultados. Bol. san., Rio, 1924, 3: 3–52, 4 pl.

—— Control.

Coit, H. L. Certified milk. Arch. Pediat., N. Y., 1912, 29: 613–7.—**Drake, B. F.** CM of the Medical Society of the County of Westchester. N. York State J. M., 1914, 14: 136–42.—**Hardenbergh, J. G.** Bacteriological control of CM. J. Am. Vet. M. Ass., 1930, 77: 320–7.—**McClennan, R. N.** The laboratory control of Walker-Gordon CM. Boston M. & S. J., 1926, 195: 1145.—**Parker, M. E.** Blood agar plate in the control of CM. Nation's Health, Chic., 1927, 9: No. 8, 42.—**Parran, T., jr, & Brooks, P. B.** The state's responsibility in CM. Certif. Milk, 1935, 10: No. 113, 5; 12.—**Rice, J. L.** Effective co-operation between city health department and commission supervision of CM. Ibid., No. 111, 5–13.

—— Hazards.

North, C. E. Has sanitation of CM any practical value? Med. Times, N. Y., 1933, 61: 359–70.—**Winslow, K.** CM an unsafe food. Pediatrics, N. Y., 1912, 24: 387–95.

—— pasteurized.

See **Milk (pasteurized)** certified.

—— Production.

See also **Milk depot.**

LANE, C. B. Medical milk commission and the production of CM in the United States. 43p. 8° Wash., 1908.

Forms Bull. No. 104, U. S. Bur. Anim. Indust.

Bell, A. The production and the value of CM. Long Island M. J., 1915, 9: 86–90.—**Foord, J. A.** The production of CM. Boston M. & S. J., 1913, 168: 612–5, Disc., 617.—**Geier, O. P.** Our experiences with CM in Cincinnati. Kentucky M. J., 1908, 6: 276–9.—**Lane, C. B.** A plan for annual CM contests. Proc. Am. Ass. M. Milk Com., 1909, 3: 81–8.—**McLain, W. H.** The production of CM. West Virginia M. J., 1909–10, 4: 161–5.—**Mattison, F. C. E.** Uniform interpretation of rules governing the production of CM. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 89–93. ——— CM; what it is and how it is produced. Food Facts, Los Ang., 1927–28, 4: No. 6, 9; 25.—**Phllip, R., & Simpson, J. C.** The production of CM. Edinburgh M. J., 1926, n. ser., 33: 118–20.—**Thomas, J. J.** CM in Cleveland. Bull. Acad. M. Cleveland, 1941, 26: No. 4, 11.

—— Sale.

See also **Milk (market)**

Adamson, M. H. Advertising CM. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 107–12.—**Brown, C. W. M.** CM in small cities. J. Am. M. Ass., 1907, 48: 587; Disc., 641.—**Hogerton, S.** CM sales and their relation to national defense. Certif. Milk, 1942, 17: No. 192, 7.—**Kenfield, F. S.** How to sell CM. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 73–5.—**Quigley, J. V.** Increasing employment and payrolls should encourage CM sales. Certif. Milk, 1941, 16: No. 189, 9.—**Shoemaker, S. W.** The value of news in increasing the sales of CM. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 93–102.—**Tuley, H. E.** CM and the general milk supply of Louisville. J. Am. M. Ass., 1907, 49: 1344–9.—**Voltaire, M. T.** The best method of selling CM. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 226–32.—**Wyman, E. T.** Merchandising CM as I see it. Certif. Milk, 1942, 17: No. 193, 5.

—— Standards.

AMERICAN ASSOCIATION OF MEDICAL MILK COMMISSIONS. Methods and standards for the production and distribution of certified milk. 17p. 8° Wash., 1912.

Repr. from Pub. Health Rep., Wash., No. 85.

Brown, J. H. A critical discussion of some methods and standards for CM. Am. J. Pub. Health, 1938, 28: 1053–8.—**Burgardt, G. F.** Maintaining certified standards. Certif. Milk, 1942, 17: No. 200, 3; 1943, 18: 3.—**Higher** CM standards for Philadelphia. Ibid., 1941, 16: No. 188, 13.—**Martin, A. T.** CM standards have resulted in the high quality milk on market today. Ibid., 1942, 17: No. 190, 3.—**Methods** and standards for the production and distribution of CM. Pub. Health Rep., Wash., 1912, 27: 947–61.—**Regan, J. C.** Methods and standards in graphic form; exhibit at Metropolitan meeting brings out salient differences between CM and market milk. Certif. Milk, 1942, 17: No. 193, 7.—**Requirements** of the milk commission of the Indianapolis Medical Society for CM. Indiana M. J., 1908–09, 27: 148–51.—**Requirements** of the St Louis Pure Milk Commission for CM. J. Missouri M. Ass., 1911–12, 8: 388–93.

MILK chemistry.

See also **Milk constituents; Milk contamination; Milk testing.**

KASTLE, J. H., & ROBERTS, N. The chemistry of milk. p.309–417. 8° Wash., 1908.

Bull U. S. Hyg. Laborat., 1908, No. 41.

PIERSON, R. *Quelques recherches sur le lait. 27p. 8° Par., 1920.

RAUDNITZ, R. W. Allgemeine Chemie der Milch. p.152–232. 27cm. Wiesb., 1909.

In: Handb. Milchk. (Sommerfeld, P.)

Babonneix, L. Chimie du lait. Gaz. hôp., 1934, 107: 275; 309.—**Barbour, P. F.** The chemistry of milk. Louisville Month. J. M. & S., 1906–07, 13: 85–92.—**Carra, J.** Potere reattivo del latte e suoi derivati. Boll. Soc. med. chir. Modena, 1923–24, 24:–25: 87–96.—**Carstarphen, W. T.** Some physiologic and bio-chemic observations on milk. Tr. M. Soc. N. Carolina, 1915, 62: 33–45.—**Davies, W. L.** Progrès récents en chimie laitière. Lait, 1939, 19: 468; 585.—**Genin, G.** Les progrès récents dans la chimie du lait. Ibid., 1930, 10: 684–90.—**Gronover, A.** Milch und Milcherzeugnisse. In: Handb. Lebensmittelchem., Berl., 1942, 9: 446–56.—**Kopatschek, F.** Leche. In his Manual laborat. quím., B. Air., 1942, 204–19.—**Meyn, A.** Chemie und Hygiene der Milch. Mschr. Kinderh., 1939, 78: 114; 1940, 82: 384; 1942, 91: 272.—**Milk.** In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 303–31.—**Paget, M.** Le lait; sa chimie et ses applications. J. obst. gyn., Par., 1932, 3: 7; No. 2, 3.—**Raudnitz, R. W.** Fünftes Sammelreferat über die Arbeiten aus der Milchchemie. Mschr. Kinderh., 1905–06, 3: 570; 4: 559.—**Silva Lacaz, P. da.** O leite; estudo bio-quimico. Impr. med., Rio, 1939, 15: 843–53.—**Szontágh, F.** Zur Biochemie der Milch. Jahrb. Kinderh., 1905, 62: 715–22.—**Tedeschi, V., & Cappa, A.** I limiti della lattoreazione. Pediatria, 1905, 2. ser., 3: 483–8.—**Theorell, H.** Mjölkbildningens kemi. Med. fören. tskr., Stockh., 1931, 9: 19–26.—**Van Slyke, L. L.** The chemistry of cow's milk. Arch. Pediat., N. Y., 1905, 22: 509–22. ——— Some points on the chemistry of milk. N. York M. J., 1907, 85: 979–81.

—— Acid-base equilibrium.

LIENHARD, H. *Untersuchungen über die Wasserstoff-Ionen-Konzentration in der normalen und pathologischen Kuhmilch. 52p. 8° Zür., 1926.

STREIT, H. *Studien über die Wasserstoffion-Konzentration der Milch und des Weines [München] 71p. 8° Kempten, 1928.

Cooledge, L. H., & Wyant, R. W. The sanltary quality of milk as judged by the colorimetric hydrogen ion determination. Abstr. Bact., Balt., 1920, 4: 6.—**Foa, C.** La réaction du lait et de l'humeur aqueuse étudiée par la méthode électrométrique. C. rend. Soc. biol., 1905, 49: 51–3.—**Karsten, A.** La mésure du pH au service du lait et des prodults laitiers [transl.] Lait, 1937, 17: 918–27.—**Kleckner, A. L.** Some observations on the H-ion concentration of cow's milk during estrum. J. Am. Vet. M. Ass., 1940, 96: 316–8.—**Lester, V.** [On the measurement of hydrogen-ion concentration in some dairy products by means of Billmann's quinhydrone electrode] Bibl. laeger, 1924, 116: 481–90.—**Porcher, C.** Une antalsie sur le pH; essai pour rendre la notlon de l'acidité actuelle et de l'acidité potentielle accessible aux esprits les moins avertis. Lait, 1932, 12: 959–66.—**Taylor, W. A.** Application of hydrogen ion control to milk. Certif. Milk, 1928, 3: 6–9.—**Van Slyke, L. L., & Baker, J. C.** Conditions causing variation in the reaction of freshly drawn milk. J. Biol. Chem., 1919, 40 345–55.

—— Buffer action.

Avramowitch, J. · *Ueber das Salzsäurebindungsvermögen der Kuhmilch. 23p. 8° Giessen, 1928.

Post, P. *Bijdrage tot de kennis van het buffermengsel en het cryolacgetal in melk [Amsterdam] 61p. 8° Goes, 1928.

Troitzsch, M. *Ueber das Salzsäurebindungsvermögen der Milch. 14p. 8° Giessen, 1919.

Bratasano, A. Nouvelles recherches sur les courbes de neutralisation et de pouvoir tampon du lait de vache. C. rend. Soc. biol., 1930, **104:** 1334–6. ——— & **Manzini, C.** Etude du lait de vache par la méthode des courbes de neutralisation. Ibid., 83–7.—**Comel, M.** Ricerche sul potere di moderazione del latte. Arch. sc. biol., Nap., 1929, **13:** 353–98.—**Whittier, E. O.** Buffer intensities of milk and milk constituents; buffer action of calcium phosphate. J. Biol. Chem., 1933, **102:** 733–47. ——— Buffer action of calcium citrate. Ibid., 1938, **123:** 283–94.

—— Colloid chemistry.

See also **Milk coagulation; Milk modification,** Homogenized milk.

Eufinger, J. *Die Veränderung der Frauen- und Kuhmilch durch Schütteln [Giessen] 23p. 8° Düsseld., 1913.

Porcher, C. C. T. Le lait au point de vue colloidal. p.997–1070. 24cm. Par., 1926.
Bull. Soc. chim. biol., Par., 1926, 8:

Alessi, G., & Carapelle, E. Sur les altérations des globules du lait. Rev. hyg., Par., 1908, **7:** 309–29, 3 pl.—**Alexander, J., & Bullowa, J. G. M.** The influence of colloidal protection on milk. J. Am. M. Ass., 1910, **4:** 1196–8.—**Aschaffenburg, R.** milk as an emulsion. Nature, Lond., 1950, **165:** 183.—**Génin, G.** La mousse du lait. Lait, 1932, **12:** 1079–88. ——— La chimie colloïdale et l'étude du lait. Ibid., 1933, **13:** 608–15.—**Kasahara, M., Tatumi, M., & Konisi, K.** Ueber den Einfluss der Ultraschallwellen auf die Milch. Zschr. Kinderh., 1937, **59:** 193–7.—**Mituhasi, M.** Tyōonpa no nyūzyū ni oyobosu eikyō ni tuite [Einfluss der Ultraschallwellen auf die Milch] Jap. Zschr. Mikrob., 1937, **31:** 1728–47.—**Ogata, S.** [Ueber den Einfluss der Ultraschallwellen auf die Oberflächenspannung und Wasserstoffionenkonzentration der Milch; ein Beitrag zur Unterscheidung der Menschen- und Tiermilch] Acta paediat. jap., 1939, **45:** Suppl., 45 (Abstr.)—**Spolverini, L.** Recherche sur la physico-chimie colloïdale du lait et leurs conséquences dans la pratique alimentaire des enfants. Lait, 1930, **10:** 21–32.—**Tatumi, M., & Konisi, K.** Tyōonpa no nyūzyū ni oyobosu eikyō [The effect of supersonic waves upon milk] Zika zassi, 1936, 1760.—**Thierbach, W.** Ueber die Häutchenbildung in Milch. Münch. tierärztl. Wschr., 1932, **83:** 62–8.—**Vandevelde, A. J. J.** Phénomènes de diffusion des constituants du lait dans un gel de gélose. Lait, 1926, **6:** 605; passim.—**Wiegner, G.** Ueber die Aenderung einiger physikalischer Eigenschaften der Kuhmilch nit der Zerteilung ihrer dispersen Phasen. Kolloid Zschr., 1914, **15:** 105–23.

—— comparative.

See **Milk type.**

—— Indicators.

Seekles, L. Over het gebruik van indicator-papier voor de bepaling der pH van urine, faeces, voedingsbodems voor bacteriologisch onderzoek, melk, vleesch en vleeschextract. Tschr. diergeneesk., 1939, **66:** 910–32.—**Tapernoux, A.** Un papier indicateur pour la recherche des laits acides. C. rend. Soc. biol., 1928, **98:** 621.—**Ulrich, J. A.** New indicators to replace litmus in milk. Science, 1944, **99:** 352.

—— Manual.

Ballarin, O. Notas sôbre a bioquímica do leite. 150p. 23cm. Rio, 1947.

Davies, W. L. The chemistry of milk. 522p. 8° Lond., 1936. Also 2. ed. 534p. 22cm. N. Y., 1939.

—— Methods.

Behre, A. Stallprobenergebnisse bei Milch; zugleich ein Beitrag zur Bewertung des Chlorcalciumserums und der Nitratreaktion. Zschr. Untersuch. Nahrungsmitt., 1924, **48:** 153–60.—**Jacobsen, A. P.** Drei Mikromethoden in der Milchanalyse. Skand. Arch. Physiol., Berl., 1938, **79:** 87–96.—**Loste.** Méthode à l'extrait floconneux dans l'analyse chimique du lait de vache. Ann. hyg., Par., 1906, **9:** 446–52.—**Münchberg, F.** Einige Mikro- und Mesomikromethoden der Milchanalyse. Mikrochemie, Wien, 1947, **33:** 268–72.—**Presslich, W.** Eine einfache Vorrichtung zum Reinigen von Mischpipetten (Melangeuren) Münch. med. Wschr., 1905, **52:** 1783.—**Shinkarenko, A. L.** [Sanitary chemical analysis of milk] Vopr. pitan., 1936, **5:** No. 3, 73–7.

—— Oxido-reduction.

See also **Milk enzyme,** Reductase; **Milk testing** subheadings.

Brand, E. Ueber die praktische Bedeutung der Reduktionsfähigkeit der Milch. Münch. med. Wschr., 1907, **54:** 821–3.—**Fay, A. C., Mahoney, J. L., & Woelffer, E. W.** A potentiometric method of detecting milk susceptible to oxidation. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 724–6.—**Martini, E.** Azione della luce sul potenziale di ossidoriduzione del latte. Boll. Soc. ital. biol. sper., 1933, **8:** 453–5.—**Petrosini, G.** I fenomeni di ossi-riduzione nel latte. Ricer. sc., 1942, **13:** 654–64.—**Thornton, H. R., & Hastings, E. G.** Oxidation-reduction potentials and the mechanism of reduction. J. Bact., Balt., 1929, **18:** 293–318.

—— Spectrography.

Simon, F. *Contribution à l'étude spectrographique de l'ultra-filtrat de laits. 63p. 25cm. Lyon, 1944.

Akazawa, T., & Murata, T. Sigaisen ryōiki ni okeru nyūzyū no bunkōgaku-teki kenkyū [Spectroscopical studies on milk in the field of ultraviolet rays] Zika zassi, 1934, 1853–5.—**Blumberg, H., & Rask, O. S.** The spectrographic analysis of milk ashes. J. Nutrit., 1933, **6:** 285–8.—**Drea, W. F.** Spectrum analysis of milk ashes. Ibid., 1934, 8: 229–34. ——— Spectrum analysis for trace elements in the ashes of human, goat and cow milk. Ibid. 1938, **16:** 325–31.—**Florence, G., Bessières, S., & Goyot, L.** Etude spectrographique de l'ultrat-filtrat du lait. Tr. Soc. chim. biol., 1941, **23:** 1020–2.—**Zbinden, C.** Les infiniment petits chimiques du lait et leur détection par la méthode spectrographique. Lait, 1931, **11:** 113–23.

—— Standards.

Cornalba, G. Une constante chimique du lait comme critérium nouveau plus sûr et plus précis pour l'appréciation de la pureté du lait. Rev. gén. lait, 1908–09, **7:** 33–56.—**Davis, J. G.** Chemical standards and analytical methods for milk. Brit. M. Bull., 1947, **5:** 206. Also Monit. farm., Madr., 1949, **55:** 143–5.—**Edsall, D. L., Van Slyke, L. L., & Chapin, H. D.** Report of the Committee on chemical standards. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 22–4.—**Froidevaux, J.** Contribution à l'expertise du lait; constantes; indice moyen d'espèce et ses applications; comparaison des échantillons de prélèvements. Ann. falsif., Par., 1933, **26:** 202–17.—**Thieulin, G.** Lait normal ou lait brut. Rev. path. comp., Par., 1948, **48:** 192–7.

MILK churning.

See also **Milk product,** Butter.

Behrendt, H. Zur Analyse der Schüttelwirkung auf Frauen- und Kuhmilch. Biochem. Zschr., 1922, **128:** 450–64.—**Clayton, W., & Morse, J. F.** Oberflächenchemie des Butterungsvorganges. Kolloid Zschr., 1937, **80:** 31–3.—**Lyons, J., & O'Shea, M.** Factors influencing the loss of butterfat in churning. Econom. Proc. R. Dublin Soc., 1936, **3:** 1–18.

—— Churn.

Hughes, A. E., & Ellison, D. The microflora of efficiently washed milk churns. Proc. Soc. Appl. Bact., Lond., 1948, 19. Conf., 22.—**Milk;** dirty water in milk churn. Brit. Food J., 1940, **42:** 86.—**Milk;** milk churn patched with soap. Ibid., 1943, **45:** 56.—**Milk;** misuse of milk churns. Ibid., 1941, **43:** 115.

MILK (coagulated)

See **Milk (fermented)**

MILK coagulation.

See also **Milk casein; Milk product,** Cheese.

Lundsteen, E. *Undersøgelser over maelkens koagulation. 94p. 25cm. Kbh., 1936.

Chapron. Sur la coagulation du lait. Rec. méd. vét., 1933, **109:** 346–8.—**Chio, M., & Repetto, S.** Sulla coagulazione del latte. Boll. Soc. ital. biol. sper., 1929, **4:** 345–7.—**Dungern, M. v., & Nelz, G.** Vergleichende Untersuchungen über Blut- und Milchgerinnung. Zschr. Biol., 1936, **97:** 277–96.—**Fournier, A.** Sur la congélation du lait. Lait, 1940, **20:** 390–402. Also Rev. path. comp., Par., 1940–41, **41:** 155; 183.—**Kreidl, A., & Lenk, E.** Das Verhalten steriler und gekochter Milch zu Lab und Säure. Biochem. Zschr., 1911, **36:** 357–62.—**Loevenhart, A. S.** Ueber die Gerinnung der Milch. Zschr. physiol. Chem., 1904, **41:** 177–205.—**White, F. W.** Observations on milk coagulation and digestion. J. Bost. Soc. M. Sc., 1900–01, **5:** 125–36.

—— Agents.

Gerber, C. Caséification du lait emprésuré avec une dose déterminée des ferments protéolytiques végétaux et animaux préalablement additionnés de doses croissantes d'iode; comparaison entre l'action de l'iode libre et l'iodure mercurique sur la caséification diastasique. C. rend. Soc. biol., 1912, **72:** 1114–6.—**Krishna Murti, C. R., Jagannathan, V., & Subrahmanyan, V.** Preparation of a highly active vegetable rennet from Ficus carica Linn. J. Sc. Indust. Res., 1945–46, **4:** 720.—**Laroze, A., & Silva, J. A. da.** Acção duma argila montmorilonítica sôbre o leite. J. farm., Lisb., 1949, **8:** 17.—**Raghunandana Rao, R., & Krishna Murti, C. R.** Effect of antibiotics on the milk-clotting enzymes of Carica papaya and Ficus carica. Current Sc., Bangalore, 1948, **17:** 23.—**Revis, C., & Payne, G. A.** The acid coagulation of milk. J. Hyg., Lond., 1907, **7:** 216–31.—**Seno, H.** Gyūnyū no kessyō gyōko-sei bussitu ni tuite [Ueber die plasmakoagulierende Substanz der Kuhmilch] Okayama igakkai zassi, 1939, **51:** 2577–93.

—— Chemistry.

See also **Milk casein.**

Friedheim, W. *Die Stickstoffverteilung in der Kuh-, Büffel-, Ziegen-, Frauen- und Eselsmilch bei Säure und Labfällung [Bern] 26p. 8° Berl., 1909.

Hakenkamp, B. *Ueber den Einfluss der Monobromessigsäure auf die Gerinnung der Milch [Münster/Westf.] 15p. 21cm. Werne a. d. Lippe, 1935.

Couvreur, E. Les albuminoïdes du lait et la caséification. C. rend. Soc. biol., 1906, **61:** 512. Also C. rend. Ass. fr. avance. sc. (1906) 1907, **35:** pt 2, 511–3.—**Gerber, C.** Action des albumines et globulines du sang, des œufs et des muscles sur la caséification du lait. C. rend. Soc. biol., 1908, **65:** 180–2. ——— Influence des éléments halogènes sur les actions diastasiques présurantes et protéolytiques; chlore et caséification du lait. Ibid., 1912, **73:** 354–6.—**Hankison, C. L., & Palmer, L. S.** Rennin action in relation to the water binding and electrokinetic properties of calcium and sodium caseinate sols. J. Diary Sc., 1943, **26:** 1043–56.—**Heide, E., & Schilf, E.** Ueber die Wirkung von Infusen aus Röstprodukten von Cerealien auf die Gerinnung und Verdaulichkeit der Milch. Biochem. Zschr., 1929, **213:** 190–4.—**Pertzoff, V.** The effect of rennin upon casein; further consideration of the properties of paracasein. J. Gen. Physiol., 1927–28, **11:** 239–53.—**Porcher, C.** La chimie-physique de l'emprésurage. Lait, 1932, **12:** 993–1028.

—— Coagulability.

Koch, R. F. *Untersuchungen über die Beziehungen zwischen Säuregrad und Labhemmung mit besonderer Berücksichtigung der Labhemmprobe nach Schern. 29p. 8° Giessen, 1938.

Bokorny, T. Empfindlichkeit der Milchsäurebakterien gegen verschiedene Substanzen; Verhinderung der Milchgerinnung. Pharm. Zhalle, 1905, **46:** 223–6.—**Dorner, W.** Un appareil simple pour la détermination de la force de la présure et de la coagulabilité du lait. Lait, 1934, **14:** 100–4.—**Schern, K.** Die Labfähigkeit der Milch im Dienste der tierärztl. Milchhygiene. Deut. tierärztl. Wschr., 1928, **36:** 4–6.

—— Curd tension.

See under **Milk nutrition.**

—— Diagnostic use.

Matukura, T. Die Anwendung der Milchkoagulationsreaktion zur Unterscheidung von Menschen- und Kuhmilch in der gerichtlichen Medizin. Proc. Jap. Soc. Forens. M., 1940, **25:** 68.—**Minkevich, I. E., & Mostova, R. S.** Moloćno-koaguljacionnyj test i sfera ego primenenija. Hig. & san., Moskva, 1946, **11:** 33–6.

—— Factors.

Anselmi, S., & Rossi, A. Punto di congelamento del latte: influenze dell'acidità. Rendic. Ist. sup. san., Roma, 1946, **9:** 662–74.—**Kugelmass, I. N.** The mechanism of milk clotting; role of hydrogen ion concentration. Am. J. Digest. Dis., 1937–38, **4:** 523–7.—**Lundsteen, E.** Ueber das Reaktionsoptimum des Chymosins; vorläufige Mitteilung. Biochem. Zschr., 1934, **271:** 259–63.—**Monier-Williams, G. W.** Le point de congélation du lait et sa relation avec la recherche du mouillage. Ann. falsif., Par., 1915, **8:** 296–321.

—— Flocculation.

See also **Milk chemistry,** Colloid chemistry.

Alho, E. *Die Ausflockung der Frauenmilch durch aktives Rinderserum. 113p. 8° Helsin., 1913.

Buxton, B. H., & Rahe, A. H. Effect of dilution upon the flocculation of colloids; the flocculation of milk. J. Med. Res., 1910, **22:** 483–500.—**Malyoth, G.** Ausflockungsphänomene in der Milch mittels Säure von Früchten in Gegenwart natürlicher Kolloide. Med. Klin., Berl., 1938, **34:** 1565.

—— Heat coagulation.

See **Milk modification,** Heated milk.

—— Mechanism.

Alpérovitch-Guilels. Recherches sur la rétraction du caillot du lait. 22p. 8° Lausanne, 1909.

Gyr, A. *Die Retraktion der Milchgerinnsel nach der Labung. p.314–27. 24cm. Basel, 1944.
Also Ann. paediat., Basel, 1944, **163:**

Berridge, N. J. The second phase of rennet coagulation Nature, Lond., 1942, **149:** 194.—**Kugelmass, I. N.** Milk clotting-mechanism and modification. Acta paediat., Upps., 1937–38, **20:** 29–70. ——— The mechanism of milk clotting; role of milk components in coagulation. Am. J. Digest. Dis., 1937–38, **4:** 170–4. ——— Milk curd; its mechanism and modification. Arch. Dis. Childh., Lond., 1937, **12:** 25–44.—**Porcher, C.** La méthode synthétique dans l'étude du lait; le lait au point de vue colloïdal; recherches sur le méchanisme de l'action de la présure. Lait, 1929, **9:** 449; passim.—**Smith, A. G., & Bradley, H. C.** The diphasic aspect of the curdling of milk by rennin. Science, 1935, **82:** 467.

—— pathological.

See also **Milk defect,** Sweet curdling.

O'Hehir, C. J. A note on the coagulation of milk by Bacillus coli communis. J. Path. Bact., Lond., 1906, **11:** 405–7.—**Talce-Niedra, D.** Einige Aktivatoren der bakteriellen Labfermente. Enzymologia, Haag, 1940, **8:** 163–6.—**Wahlin, J. G.** A study of rennin action; rennin production by Bacillus prodigiosus. J. Bact., Balt., 1928, **16:** 355–73.

—— Pepsin.

Clifford, W. M. The effect of fluorides and iodides on the clotting of milk by pepsin. Biochem. J., Lond., 1928, **22:** 1128–32.—**Fullerton, J. B., & Gathercoal, E. N.** Elixir of pepsin and rennin, the rennin assay. Bull. Nat. Formulary Com. U. S., 1938–39, **7:** 85.

—— Rennet.

Bräuler, R. *Der Einfluss verschiedener Labmengen und verschiedener Temperaturen auf die Gerinnung der Milch. p.519–51. 8° Tüb., 1910.
Arch. ges. physiol., 1910, **130:**

Merck, E., Chemische Fabrik [Darmstadt] Labferment. 45p. 22cm. Darmstadt, 1920.
Forms No. 25, of its Wiss. Abh.

Arnaudi, C. Quelques données sur la flore microbienne des présures liquides et en poudre. Boll. Sez. ital. Soc. internaz. microb., 1938, **10:** 189–92.—**Berridge, N. J.** Pure crystalline rennin. Nature, Lond., 1943, **151:** 473. ——— **Davis, J. G.** [et al.] The production of rennet from living calves. Biochem. J., Lond., 1942, **36:** Suppl., 3 (Abstr.)—**Briot, A.** Contribution à la connaissance de la présure de figuier. J. physiol. path. gén., 1907, **9:** 636–9.—**Delfour, H.** Titrage de la présure. Ann. pharm. fr., 1943, **1:** 121.—**Dotti, L. B., & Kleiner, I. S.** The absence of rennin from adult human gastric juice. Am. J. Physiol., 1942–43, **138:** 557–9. ——— Is there rennin in human gastric juice? Fed. Proc., Balt., 1942, **1:** pt 2, 21 (Abstr.)—**French, B. E.** Specific absorption studies upon calf rennin. Proc. Soc. Exp. Biol., N. Y., 1925–26, **23:** 765–7. ——— Studies on the purification and properties of calves' rennin. Abstr. Theses Univ. Chic., 1926–27, **5:** 417–21.—**Gallay, R.** Le ferment de la présure et le lait. Lait, 1934, **14:** 693–709.—**Graber, H. T.** Rennin; a note and a correction. J. Indust. Engin. Chem., 1916, **8:** 909.—**Graham, V. E., & Hastings, E. G.** Studies on film-forming yeasts; film-forming yeasts in rennet brine. Canad. J. Res., 1942, **20:** Sect. C, 63–7.—**Grimmer, W.** Die Untersuchung des Labs. In: Fermente (Oppenheimer, C.) Lpz., 5. Aufl., 1929, **3:** 1065–70.—**Hedin, S. G.** Labfermente. In: Handb. biol. Arbeitsmeth. (Abderhalden) Berl., 1936, **4:** pt 1, 263–8.—**Heiduschka, A., & Schmidt, W.** Beiträge zur Kenntnis des Labferments. Biochem. Zschr., 1933, **257:** 463–6.—**Holter, H.** Chymase. In: Meth. Fermentforsch. (Bamann, E., & Myrbäck, K. D. R.) Lpz., 1941, **2:** 2081–90.—**Illoway, H.** The reaction of some milk modifications to rennet. Boston M. & S. J., 1907, **157:** 462–4.—**Klein, D., Dunning, H. A. B.** [et al.] A. D. M. A. reference rennin. Proc. Am. Drug. Manuf. Ass., 1935, 24. meet., 177; 1936, 25. meet., 213; 1937, 26. meet., 187.—**Kleiner, I. S., & Tauber, H.** Experiments showing the independent identity of rennin. Coll. Papers N. York Homeop. M. College, 1935, **1:** 421–6.—**Laquer, E.** Ueber die Wirkung der Labfermente auf Milch und Kaseïn. Biochem. Zbl., 1905, **4:** 333–47.—**Lüers, H.,**

& **Bader, J.** Ueber die Reinigung des Chymosins. Biochem. Zschr., 1927, **190:** 122–42.—**Lundsteen, E.** Ueber das pH-Optimum der chymosinaktiven Enzyme (Chymotrypsin, Pepsin, Chymosin) Ibid., 1937–38, **295:** 191–7.—**Mazé, P.,** & **Mazé, P. J.** La coagulation du lait par la présure. C. rend. Soc. biol., 1939, **130:** 122–4.—**Menges, R. W.** Rennet extract. J. Am. Vet. M. Ass., 1946, **108:** 136–9.—**Meunier, L.** Digestion lactée; rôle du lab-ferment. Bull. gén. thér., 1904, **147:** 683–5.—**Moriyama, H.** Studies on rennin as a virus-model; the inactivation of rennin by the neutralization of its acidified solution. Arch. Virusforsch., 1939–40, **1:** 510–6. ——— Resemblance of rennin to some viruses in its physical and chemical properties. Ibid., 1941, **2:** 71–9. ——— & **Ohasi, S.** Ueber die Zusammenwirkung des H_2S mit Schwermetallsalz auf das Lab. Naturwissenschaften, 1941, **29:** 334.—**Nitschmann, H.,** & **Lehmann, W.** Zum Problem der Labwirkung auf Casein. Schweiz. Chem. Ztg, 1946, **29:** 330.—Also Helvet. chim. acta. 1947, **30:** 804–15.—**Oppenheimer, C.** Chymase (Labferment). In: Fermente (Oppenheimer, C.) 1939, Suppl., **2:** 863–79.—**Rao, C. N. B., Rao, M. V. L.** [et al.] Purification and chemical nature of rennin. Current Sc., Bangalore, 1941, **10:** 215–9.—**Schöberl, A.,** & **Rambacher, P.** Ueber die Reinigung des Labfermentes durch chromatographische Adsorption. Biochem. Zschr., 1940, **305:** 223–6.—**Sylvest, O.** A method for determining the renninogen of urine. Acta med. scand., 1949, **133:** 289–97.—**Tapernoux, A.** Sur la détermination de la force de la présure. C. rend. Soc. biol., 1942, **136:** 816–8.—**Tauber, H.,** & **Kleiner, I. S.** The chemical nature of rennin. J. Biol. Chem., Balt., 1934, **104:** 259–66.—**Utz.** Ueber Lab. Pharm. Zhalle, 1917, **58:** 167–70.—**Wahlin, J. G.** A study of rennin action; effect of rennin on sodium caseinate. J. Bact., Balt., 1928, **16:** 375–86.—**Zaykowsky, J.** Die Einwirkung des Chymosins auf die Eiweissstoffe der Milch. Fermentforschung, 1924–26, **8:** 537–46. ——— & **Pavlovsky, N. M.** Die Fermente bei den neugeborenen Kälbern. Ibid., 547–52.—**Zaykowsky, J., Fedorova, O.,** & **Iwankin, W.** Fermente im Mageninhalt verschieden alter Kälber. Ibid., 1928–29, **10:** 83–7.

—— spontaneous.

Cosmovici, N. L. Discussion sur la coagulation spontanée du lait et le rôle des ions H. Bull. Soc. chim. biol., Par., 1934, **16:** 899–902.—**Pozerski, E.** L'autocoagulation chloroformique des laits recueillis à différents moments de la traite. C. rend. Soc. biol., 1914, **76:** 812.

MILK (colostral)

See also **Milk secretion.**

ANDERS, L. *Hat der Nachweis der Kolostrumkörperchen eine Bedeutung für die forensische Beurteilung des Frischmilchendseins der Kühe? [Bern] 40p. 8° Berl., 1909.

Houdinière, A. Le colostrum de vache. Lait, 1944, **24:** 108; passim.—**Köbele, W.** Untersuchungen über die hämolytische Wirkung der Kolostralmilch der Kuh. Zbl. Bak., 1. Abt., Orig., 1911–12, **61:** 561–89.—**Rukhljadev, N. P.** Eksudativnye cilindry v molozive korov. Vest. obshch. vet., 1906, **18:** 65–7.—**Weissflog.** Beobachtungen über die Milch, speziell die Kolostralmilch. Deut. tierärztl. Wschr., 1905, **13:** 193; pl.

—— Bacteria.

UEMURA, T. Nyūzyū oyobi nyūzyū dai yō-hin ni kan-suru kenkyū; syo-nyū no saikingaku-teki kenkyū [Studies on milk and milk substitutes; bacteriological studies on the colostrum] p.365–448. 25½cm. Osaka, 1933.

In: Osaka igakkai zassi, 1933, **32:**

Cataldi, M. S., & **Müller, A.** Microflora del colostro y de la superficie cutánea del seno materno en relación con la del tubo digestivo del recién nacido. Día méd., B. Air., 1947, **19:** 473–5.—**Malterre, Giniéis** [et al.] Un procédé de stérilisation du colostrum. Bull. Acad. vét. France, 1939, **12:** 355–62.

—— Chemistry and composition.

Charlwood, P. A., & **Thomson, A.** Electrophoretic patterns of lamb serum before and after transfer of colostrum. Nature, Lond., 1948, **161:** 59.—**Eden, E.** The absorption of vitamin A from colostrum by lambs. Brit. J. Nutrit., 1948, **2:** 42–6.—**Hansen, R. G.,** & **Phillips, P. H.** Studies on proteins from bovine colostrum; electrophoretic studies on the blood serum proteins of colostrum-free calves and of calves fed colostrum at various ages. J. Biol. Chem., 1947, **171:** 223–7. ——— The homologous and heterologous transfer of ingested protein to the blood stream of the young animal. Ibid., 1949, **179:** 523–7. ——— & **Potter, R. L.** Some amino acid analyses of a purified colostrum pseudoglobulin. Ibid., 1947, **171:** 229–32.—**Holmes, A. D.,** & **Lindquist, H. G.** Some characteristics of mare's colostrum and milk. J. Am. Diet. Ass., 1947, **23:** 957–61.—**Holmes, A. D., Spelman, A. F.,** & **Wetherbee, R. T.** Composition of Percheron mares' colostrum. J. Nutrit., 1949, **37:** 385–92.—**Konsuloff, S.** Ueber die Hormone im Colostrum. Endokrinologie, 1933, **13:** 27–9.—**Luecke, R. W., Duncan, C. W.** [et al.] Milk studies; some vitamin and trace elements found in the colostrum of the dairy cow, beef cow and swine. Arch. Biochem., N. Y., 1947, **13:** 277–82.—**Niekerk, J.,** & **Bliek, M. S. C.** On the vitamin-D content of cow's colostrum. Acta brevia neerl., 1939, **9:** 25.—**Overman, O. R.,** & **Sanman, F. P.** Etude sur la vitesse de variation dans la composition du colostrum de vache. Lait, 1926, **6:** 626–39.—**Parrish, D. B., Wise, G. H.,** & **Hughes, J. S.** The state of vitamin A in colostrum and in milk, J. Biol. Chem., 1947, **167:** 673–8.—**Pearson, P. B., Darnell, A. L.,** & **Weir, J.** The thiamine, riboflavin, nicotinic acid and pantothenic acid content of colostrum and milk of the cow and ewe. J. Nutrit., 1946, **31:** 51–7.—**Reinhardt, R.,** & **Seibold, E.** Das Verhalten der Schardingerschen Reaktion gegenüber Colostralmilch von Kühen. Biochem. Zschr., 1911, **31:** 294–320.—**Vitamin** B-complex in the colostrum and milk of ruminants. Nutrit. Rev., 1946, **4:** 211.—**Winterstein, E.,** & **Strickler, E.** Die chemische Zusammensetzung des Colostrums mit besonderer Berücksichtigung der Eiweisssstoffe. Zschr. physiol. Chem., 1906, **47:** 58–82.

—— Nutritive value.

Aschaffenburg, R. The nutritive value of colostrum for the calf; changes in the serum protein of the newborn calf following the ingestion of small quantities of the non-fatty fraction. Brit. J. Nutrit., 1949, **3:** 200–4, pl. ——— **Bartlett, S.** [et al.] The nutritive value for the calf of colostrum and its fractions. Biochem. J., Lond., 1948, **42:** Suppl., p. xxx. ——— The nutritive value of colostrum for the calf; the effect of different fractions of colostrum. Brit. J. Nutrit., 1949, **3:** 187–96. ——— The nutritive value of colostrum for the calf; the effect of small quantities of the non-fatty fraction. Ibid., 196–200.—**Ohl, R.** Die Kolostralmilch als Nahrungsmittel, Schrittmacher in der Rindviehzucht und Milcherzeugungsschlacht. Nutrit. Abstr., Aberdeen, 1942–43, **12:** 283 (Abstr.)—**Sutton, T. S.** Colostrum and its value in calf raising. J. Am. Vet. M. Ass., 1947, **110:** 262.

—— Secretion.

Hackney, B. H. Colostorrhea, with a report of cases. Tr. M. Soc. N. Carolina, 1916, **63:** 285.—**Leto, C.** Ritorno allo stato colostrale del latte e citoprognosi dell'allattamento. Pediatria, Nap., 1906, 2. ser., **4:** 584–94.—**Morel, G.** Quand le colostrum devient-il du lait? Hyg. viande, Par., 1911, **5:** 337–40.

—— Serology and immunology.

See also **Milk serology.**

Bordet, J., & **Bordet, M.** Le pouvoir bactériolytique du colostrum et du lait. C. rend. Acad. sc., 1924, **179:** 1109–13.—**Bruner, D. W., Edwards, P. R.,** & **Doll, E. R.** Passive immunity in the newborn foal. Cornell Vet., 1948, **38:** 363–6.—**Hirszfeld, L.,** & **Lille-Szyszkowicz, I.** Badania nad immunologią siary. Polski tygod. lek., 1948, **3:** 513.—**Lemétayer, E., Nicol, L.** [et al.] Immunité antitoxique colostrale du poulain issu de juments immunisées. C. rend. Soc. biol., 1946, **140:** 854–6. ——— Origine lactée de l'immunité antitoxique chez le poulain issu de juments immunisées. Bull. Acad. méd., Par., 1947, **131:** 49. ——— Chute du taux antitoxique du colostrum au moment de l'accouchement chez les juments immunisées, étude du mécanisme de cette chute. Bull. Acad. vét. France, 1947, **20:** 408–12. ——— Vitesse d'apparition des antitoxines spécifiques chez les poulains après ingestion de colostrum de juments immunisées au moyen de l'antigène diphtérique ou tétanique. Ibid., 457–60.—**McDougall, E. I.** An immune globulin fraction from bovine precolostrum. Biochem. J., Lond., 1949, **44:** 531–41. ——— & **McCarthy, E. F.** Absorption of immune globulin by the young lamb after ingestion of colostrum. Nature, Lond., 1949, **164:** 354.—**McGirr, J. L.** Colostral transmission of antibody substances from mother to offspring; a review. Vet. J., Lond., 1947, **103:** 345–56.—**Matumoto, S.,** & **Yamamoto, Y.** Zin-syonyū gansui-tanso-yō-bussitu no kei-tokui-sei ni tuite [Blutgruppenspezifität der kohlenhydratartigen Substanz im Kolostrum des Menschen] Tyōsen igakkai zassi, 1941, **31:** 989–98.—**Miyakawa, K.** Syo-nyū no kesseigaku-teki kenkyū [Serologische Untersuchungen über Kolostrum] Jap. Zschr. Mikrob., 1937, **31:** 394–410.—**Silva, G.** Indagine sulla eventuale latto-reazione specifica del colostro. Pediatria, Nap., 1905, 2. ser., **3:** 596–8.—**Smith, E. L.** The immune proteins of bovine colostrum and plasma. J. Biol. Chem., 1946, **164:** 345–58. ——— & **Holm, A.** The transfer of immunity to the new-born calf from colostrum. Ibid., 1948, **175:** 349–57.—**Yamamoto, Y.** Zin-synonyū no ketuekikeigaku-teki kenkyū. [Ueber Blutgruppen und serologische Untersuchung des Kolostrums] Tyōsen igakkai zassi, 1941, **31:** 818–58. Also Summary rep., Jap. J. M. Sc., Soc. Med. & Hyg., 1939–40, **3:** Proc., 143.

—— Toxicity.

See also **Milk poisoning.**

Flamma, S. Sui fermenti proteolitici e sulla tossicità del colostro in condizioni normali e patologiche. Atti Soc. ital. ostet., 1913, **18:** 496–515.

MILK commission.

Abbr.: MCom. for Milk commission.

See also **Milk (certified) Milk control; Milk legislation.**

American Association of Medical Milk Commissions. Proceedings of the 2. to the 20. Annual Conference. 4v. 8° Cincin., 1908–26.

[United States] Commission on Milk Standards. Report of the Commission on Milk Standards appointed by the New York Milk Committee. p.673–91. 8° Wash., 1912.

Also Pub. Health Rep., Wash., 1912, **27**: No. 78.

—— Second report of the Commission on Milk Standards appointed by the New York Milk Committee, containing resolutions adopted at the meeting in Richmond, Va., May 2–3, 1913. p.1733–89. 8° Wash., 1913.

Repr. from Pub. Health Rep., Wash., 1913, No. 141. Also South. M. J., 1914, **7**: 274–85.

Blume, R. B. MCom., Academy of Medicine of Cincinnati, Ohio. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 16–25.—**Brown, E. G.** Report of Committee on Milk; conference of State and Provincial Health Authorities of North America. Pub. Health Rep., Wash., 1931, **46**: 1455–60. —— Report of Committee on Milk; Conference of State and Provincial Health Authorities, June 2, 1932. Proc. Conf. Health Author. N. America, 1932, **47**: 29–32. —— Report of Committee on milk. Ibid., 1933, **48**: 76–8.—**Coit, H. L.** The Medical MCom on the American Continent. C. rend. Congr. internat. méd., 1910, 16. Congr., **10**: Sect. Pediat., 316–24.—**Conference** of State and Provincial Health Authorities of North America, Washington, D. C., April 29–30, 1931; Report of Committee on Milk. Proc. Conf. Health Author. N. America, 1931, **46**: Suppl., 1–6.—**Frazier, B. C.** Work of the Jefferson County MCom. Kentucky M. J., 1908–09, **7**: 729–31.—**Geier, O. P.** The American Association of Medical MComs. J. Am. M. Ass., 1908, **50**: 1417. —— Certified MComs. Illinois M. J., 1910, **17**: 48–52.—**Hamill, S. M.** The standards and work of the Philadelphia Pediatric Society's MCom: embodying a reply to a criticism by Dr. A. H. Stewart of the Philadelphia Bureau of Health. Am. J. M. Sc., n. ser., **133**: 608–18.—**Holt, W. L.** Medical MComs. and the importance of a pure milk supply. California State J. M., 1909, **7**: 136–42.—**Kerr, J. W.** Federal recognition of the work of the Medical MCom. Pediatrics, N. Y., 1908, **20**: 441–6. Also Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 71–5.—**La Guardia, V. de.** Comisión para los tipos de leche (Commission on milk standards) tercer informe de la Comisión para tipos de leche, presentado por el comité de la leche de New York. San. & benef., Habana, 1919, **21**: 101–28.—**Martel, H.** Rapport au nom de la Commission du lait. Bull. Acad. méd., Par., 1939, 3. ser., **122**: 427.—**MCom** Funds; opinion of legal counsel of the California Medical Association. Bull. Los Angeles Co. M. Ass., 1942, **72**: 220–4.—**Milk** Reorganisation Commission. Vet. Rec., Lond., 1933, **13**: 128–34.—**Moak, H.** Responsibility of MComs for control of nutritive factors in certified milk. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 123–7.—**Morse, J. L.** Report of the MCom of the Suffolk District Medical Society. Boston M. & S. J., 1906, **155**: 673.—**Phair, J. T.** Report of the Committee on Milk. Proc. Conf. Health Author. N. America, 1941, 56. meet., 97; 1942, 57. meet., 246.—**Phillips, W. C.** The achievements and future possibilities of the New York Milk Committee. Pedag. Semin., Worcester, 1909, **16**: 509–12 (Abstr.)—**Report** of Committee on Milk. Proc. Conf. Health Author. N. America, 1934, **49**: 61–6.—**Report** of the MCom. Lancet Clinic, Cincin., 1909, **101**: 519–22.—**Report** of the MCom of the Academy of Medicine. Ibid., 1907, n. ser., **58**: 297; 601.—**Report** of the MCom of the Providence Medical Association, 1941. Rhode Island M. J., 1942, **25**: No. 3, Suppl., 12.—**Report** of the MCom of the San Francisco County Medical Society. California State J. M., 1909, **7**: 142–4.—**Report** of the National Commission on Milk Standards of the New York Milk Committee, 1920. Pub. Health Rep., Wash., 1920, **35**: 2955–8.—**Reports** of the various MComs. Proc. Am. Ass. M. Milk Com., 1909, **3**: 8–44.—**Resolutions** passed by National Commission on Milk Standards. Pub. Health Rep., Wash., 1919, **34**: 69–71.—**Rickards, B. R.** A synopsis of the work of the MComs of the United States. Am. J. Hyg., 1907–08, n. ser., **3**: 135–54.—**Riggin, I. C.** 1938 report of the Committee on Milk. Proc. Conf. Health Author. N. Amcrica, 1938, **53**: 138–40.—**Rimer, E. S.** Milk; the role of medical commissions in developing standards for milk production. N. York State J. M., 1940, **40**: 741–5.—**Tätigkeit** der schweizerischen Milchkommission im Laufe der Berichtsperiode. Mitt. Lebensmitteluntersuch., Bern, 1943, **34**: 23.—**Valencien, C.** Rapport sur l'activité de la Commission suisse du lait en 1937–38. Ibid., 1939, **30**: 179.—**Van Derslice, J. W.** Report of the Secretary of the Chicago Medical Society MCom. Illinois M. J., 1910, **17**: 46–8.—**Walworth, G.** The Grigg Commission. In his Feeding the Nation, Lond., 1940, 345–9. —— The Central Milk Committee. Ibid., 351. —— Milk Reorganisation Commission's Report, December, 1936. Ibid., 371–3.—**Way, C., Corbin, C. I., & Fitch, E. W.** Report of the Committee on Clean Milk. Cornell Vet., 1917, **7**: 5–12.—**Woodward, W. C.** Report of Committee on Standards for Milk. Proc. Conf. State Prov. Bds Health N. America, (1911) 1912, **26**: 182–7.

MILK composition [incl. contents]

See also **Milk analysis; Milk chemistry; Milk constituents.**

Laxa, O. O významu neurčených látek v mléce. 4p. 25cm. Praha, 1932.

Forms No. 10, Věst. Cesk. spol. nauk, tř. mat. přírod. (1931) 1932.

England, J. W. Comparative composition of milks. Am. J. Pharm., 1908, **80**: 55–66.—**Keller, A., & Mai, H.** Untersuchungen über die Zusammensetzung der Milch. Schweiz. med. Wschr., 1930, **60**: 487–9.—**Pagliani, L.** La composizione del latte per uso industriale di fronte alla legge sanitaria. Riv. igiene san. pub., 1911, **22**: 71–5.—**Richmond, H. D.** The composition and analysis of milk. Analyst, Lond., 1905, **30**: 325; 1906, **31**: 176. —— The composition of milk. Ibid., 1907, **32**: 141; 1908, **33**: 113; 1910, **35**: 231.—**Rossmann, B.** Milchstatistische Untersuchungen. Zschr. Untersuch. Lebensmitt., 1934, **68**: 279–93.

—— Biological changes.

Prachfeld, F. *Ueber den Gehalt der Kuhmilch an den einzelnen Bestandteilen im Verlaufe der Laktation. 141p. 8° Lpz., 1905.

Alquier, J., & Silvestre de Sacy, G. Variations quantitatives de la production du lait chez la vache sous l'influence de la castration. Bull. Soc. sc. hyg. aliment., Par., 1930, **18**: 436–63.—**Bauer, R.** Ueber die Konstanz der Gefrierpunktsdepression der Milch im Verlauf einer Laktationsperiode. Zschr. Untersuch. Lebensmitt., 1933, **65**: 42–9.—**Bouin, M.** Contribution à l'étude des variations de la composition du lait de vache au cours de la lactation. C. rend. Ass. fr. avance. sc. (1920) 1921, **44**: 262–6.—**Csukás, Z.** La modification de la composition du lait à l'époque de la paisson. Lait, 1934, **14**: 808–11.—**Eckles, C. H., & Palmer, L. S.** The influence of parturition on the composition and properties of the milk and milk fat of the cow. J. Biol. Chem., 1916, **27**: 313–26.—**Gamberini, P.** Sul latte di vacca castrata; indagini sulla sua composizione chimica. Lattante, 1940, **11**: 407–12.—**Grubert.** Untersuchungen über die Zusammensetzung der Milch während der Brunst der Kühe. Arch. wiss. prakt. Tierh., 1926–27, **55**: 306–28.—**Haun, F.** Einfluss der Arbeit der Milchtiere auf die Zusammensetzung der Milch. Zschr. Untersuch. Lebensmitt., 1927, **54**: 337–41.—**King, J. O. L.** Variation in the body temperature of dairy cows, and its influence on milk composition. Ind. Vet. J., 1949–50, **26**: 55–61.—**Lermat.** Le lait des vaches castrées. Bull. Soc. path. comp., Par., 1904, **3**: No. 8, 18–21.—**Meyer, A.** Beitrag zur Kenntnis der Milch brünstiger Kühe. Zschr. Untersuch. Lebensmitt., 1932, **64**: 235–50.—**Mezger, O.** Ueber den Einfluss der Brunst auf die Zusammensetzung der Kuhmilch. Zschr. Untersuch. Nahrungsmitt., 1908, **16**: 273–81.—**Nottbohm, F. E.** Unterbrechung der Melkzeiten und Zusammensetzung der Milch. Zschr. Untersuch. Lebensmitt., 1927, **53**: 342–53.—**Rossmeisl, J.** Untersuchungen über die Milch kastrierter Kuhe. Biochem. Zschr., 1909, **16**: 164–81.—**Staffe, A., Janoschek, A., & Scheimpflug, W.** Sur quelques composants et propriétés du lait des vaches castrées. Lait, 1930, **10**: 1087–97.—**Stapensea, J.** Invloed van enkele physiologische en pathologische processen bij de koe op de samenstelling en de hoedanigheid der melk. Tschr. veearts., 1910, **37**: 225–39.

—— Food factor.

See also **Milk secretion,** Food factor; also under **Milk fat; Milk protein; Milk vitamin.**

Perkins, A. E., Kraus, W. E., & Hayden, C. C. The chemical composition and nutritive properties of milk as affected by the level of protein feeding. 69p. 8° Wooster, 1932.

Forms No. 515, Bull. Ohio Agr. Exp. Sta.

Aviragnet, E. C. Inconvénients et dangers du lait des vaches nourries de résidus industriels. Hyg. viande, 1910, **4**: 76; 140. Also Ber. Internat. Kongr. Säuglingsschutz (1911) 1912, 3. Kongr., 927–46.—**Behre, A., & Frerichs, K.** Hat die Kriegszeit und insbesondere der Futtermangel Einfluss auf die chemische Zusammensetzung der Milch und die Milcherträge? Zschr. Untersuch. Nahrungsmitt., 1918, **35**: 471–5.—**Brouwer, E.** Influencia de la alimentación sobre la composición de la leche. Rev. hig. san. pecuar., Madr., 1931, **21**: 637.—**Echenique, L., & Suárez, B.** Influencia de la alimentación sobre la leche; modificación química y sensibilización a la prueba del alcohol. Arch. Soc. biol. Montevideo, 1935, **6**: 94–104. Also C. rend. Soc. biol., 1935, **120**: 570–2.—**Effect** (The) of feeding on the composition of milk. Brit. Food J., 1937, **39**: 97; 106; 116.—**Food** value of milk affected by protein in ratio. Bull. Ohio Agr. Exp. Sta., 1928, No. 417, 60.—**Golding, J., & Paine, S. C.** Note on the composition of milk yielded by cows fed on

pasture manures with phosphates and potash. Analyst, Lond., 1910, 35: 246.—**Gorini, C.** L'alimentazione delle vaccine e la produzione igienica del latte. Clin. vet., Milano, 1914, 37: 447–53. ——— L'influence des fourrages ensilés sur les qualités du lait et de ses produits dérivés. Lait, 1934, 14: 879–83.—**Guérin, C.** Le lait pauvre; les races bovines du nord et leur alimentation. Rev. méd. Normandie, 1909, 270–3.—**Hadjimarkos, D.** Effect of diet on some of the minerals and vitamins of human and bovine milk. J. Am. Dent. Ass., 1948, 37: 573–9.—**Hand, D. B.** Possibilitles of improving milk by increased nutrition qualities in feeds. Certif. Milk, 1941, 16: No. 182, 7; 14.—**Hess, A. F., Unger, L. J., & Supplee, G. C.** The relation of fodder to the antiscorbutlc potency and salt content of milk. Proc. Soc. Exp. Biol., N. Y., 1920–21, 18: 39.—**Hostettler, H.** Der Einfluss der Silagefütterung auf die Beschaffenheit der Milch. Mitt. Lebensmittteluntersuch., Bern, 1945, 36: 50–79.—**Hyghes, J. S., & Cave, H. W.** Coefficients of digestibility of the constituents of milk and the balance of calcium and phosphorus in calves on a milk dlet. J. Nutrit., 1931, 4: 163–9.—**Jensen, Q.** La composition du lait peut-elle être influencée par l'affouragement? Rev. gén. lait, 1905–06, 5: 103; passim.—**Kieferle.** Influencia de la levadura seca irradiada, empleada como alimento, sobre la leche y la utilización de la leche. Rev. hig. san. pecuar., Madr., 1931, 21: 649.—**Krane, W.** Untersuchungen über die Beeinflussung der Verdaulichkeit der Kuhmilch durch Zusatz gebräuchlicher Verdünnungsmittel. Zschr. Kinderh., 1931–32, 52: 245–59.—**Krauss, W. E.** Effect of the cow's ration on food value of milk. Bimonth. Bull. Ohio Agr. Exp. Sta., 1928, 13: 195.—**Lauder, A. & Fagan, T. W.** On the composition of milk as affected by increase of the amount of calcium phosphate in the rations of cows. Proc. R. Soc. Edinburgh, 1914–15, 35: 195–202.—**Mueller, A. J., & Cox, W. M.,** jr. The effect of changes in diet on the volume and composition of rat milk. J. Biol. Chem., 1937, 119: p. lxxii.—**Porcher, C.** De l'influence de l'alimentation sur la composition du lait. Hyg. viande, 1909, 3: 409–25, ——— De l'alimentation des vaches laitières par les résidus industriels. Rev. gén. lait, 1909–10, 8: 60; passim. ——— La potasse, l'acide phosphorique et la chaux du lait et la question des engrais. Lait, 1927, 7: 608.—**Rigaux.** De l'influence de l'alimentation sur la composition du lait. C. rend. Ass. fr. avance. sc. (1906) 1907, 35: pt 2, 1168–78.—**Rolle, J.** Nachteilige Wirkung der Rübenfütterung auf die Milch. Zschr. Untersuch. Nahrungsmitt., 1915, 30: 361.—**Ross, O. B., Van Arsdell, W. J., & MacVicar, R. W.** Effect of ration upon some constituents of blood and milk of Hereford cows and the blood of their calves. J. Animal Sc., 1948, 7: 532.—**Teichert, K.** Wechselwirkungen zwischen Düngung und Milch. Milchwirtsch. Zbl., 1942, 71: 1–7.—**Torrisi, D.** L'azione dei lipidi sulla secrezione lattea e sulla composizione chimica del latte: l'azione delle lecitina e della colesterina pure introdotte per via parenterale nella capra. Boll. Soc. ital. biol. sper., 1935, 10: 443–5. ——— L'azione dei lipidi totali del tuorlo d'uovo introdotti per via parenterale nella capra. Ibid., 445–7.—**Turner, W. F., Shaw, R. H.** [et al.] Effect of water in the ration on the composition of milk. J. Agr. Res., 1916, 6: 167–78.—**Vivier, A.** Influence des feuilles de betteraves sur la production et la composition du lait. Ann. falsif., Par., 1911, 4: 638–41.—**Zwagermann, C.** Influencia de los pedazos de cabeza y hojas frescas de remolacha en la calidad de la leche. Rev. hig. san. pecuar., Madr., 1931, 21: 661.

—— Geographical and climatic differences.

See also subheadings (—by countries)

Blackham, R. J. Milk in the tropics. Lancet, Lond., 1920, 2: 1136–40. ——— Milk standards in the tropics. J. State M., Lond., 1926, 34: 217–23. Also World Health, Genève, 1926, 7: 18–22.—**Bubani, L.** Ricerche sperimentali su alcune proprietà biologiche del latte vaccino prodotto in alta montagna. Pediat. med. prat., Tor., 1934; 9: 310; 1935, 10: 745.—**Demonchy, L.** Lait; production hygiénique; nécessité de protéger les stations climatiques par une réglamentation hygiénique du lait. Rev. path. comp., Par., 1912, 12: 129–40.—**Dousset.** La rareté du lait sous les tropiques et l'emploi du lait sec. Rev. méd. hyg. trop., Par., 1922, 14: 178–81.—**Hegh, E.** Laiterie tropicale. Lait, 1938, 18: 436–43.—**Porcher, C.** L'établissement de la composition moyenne du lait d'une région; un essai pour le pays de Gex. Ibid., 1925, 5: 931–5.—**Staffe, A.** Die Milch im Höhenklima. Forsch. & Fortsch., 1933, 9: 506.—**Vieilly, J.** A propos des laits de montagne. Lait, 1940, 20: 16–20.

—— Variation.

See also other subheadings.

SCHMIDT, E. G. J. *Ueber die Schwankungen des Gehalts der Milch an Fett und fettfreier Trockensubstanz und die Bedeutung dieser Schwankungen für den Nachweis von Milchverfälschungen durch Abrahmen und Wasserzusatz [Leipzig] 39p. 8° Altenburg-Thür., 1933.

Brito-Babapulle, L. A. P. Various factors that affect milk composition. Ind. Vet. J., 1945–46, 22: 414–25.—**Crowther, C.** Variation in the composition of cows' milk. J. R. Inst. Pub. Health, 1910, 18: 26–36.—**Folley, S. J., & Malpress, F. H.** The chemical composition of bovine mammary secretions induced by the subcutaneous implantation or oral administration of synthetic oestrogens. J. Endocr., Oxf., 1944–45, 4: 37–42.—**Giusti, L., & Rietti, C. T.** Action de l'insuline sur la composition du lait. C. rend. Soc. biol., 1924, 90: 252.—**Kägi, F.** Beitrag zur Kenntnis der Gehaltsschwankungen von Milch. Mitt. Lebensmitteluntersuch., Bern, 1943, 34: 74.—**Monvoisin, A.** Les variations de la composition chimique du lait de vache et la loi sur les fraudes. Rev. gén. lait, 1908–09, 7: 481; passim.—**Nitzescu, I. I., & Nicolau, G.** L'action des mono- et disaccharides, en injection intraveineuse sur la composition du lait. C. rend. Soc. biol., 1924, 91: 1464.—**Petersen, W. E., & Rigor, T. V.** Effect of delayed milking upon composition of cow's milk. Proc. Soc. Exp. Biol., N. Y., 1932, 30: 257–9.—**Rowland, S. J., & Hinks, E.** The effect of air raids on the composition of milk. Analyst, Lond., 1941, 66: 327.—**Thierry, E.** Causes qui font varier le lait de la vache en quantité et en qualité. Hyg. gén. appl., Par., 1907, 2: 287–90.—**Wiegner, G.** Ueber die Abhängigkeit der Zusammensetzung der Kuhmilch vom Dispersitätsgrade ihrer Einzelbestandteile. Zschr. Untersuch. Nahrungsmitt., 1914, 27: 425–38.—**Wright, P. A., Deysher, E. F., & Cary, C. A.** Variations in the composition of milk. Yearb. U. S. Dep. Agr., 1939, 639–48.

—— by countries.

See also **Milk (market)**

Leche. Bol. Ofic. san. panamer., Wash., 1932, 11: 504–15.—**Wolf, C.** Le lait aux colonies. Lait, 1932, 12: 223; passim.

—— by countries: Argentina.

Arena, A. R., Gómez, J. B., & Brisco Capurro, A. I. Indice tuberculoso de la leche de consumo de la ciudad de Buenos Aires. An. Cáted. pat. clín. tuberc., B. Air., 1947, 9: 38–47.—**Brisco Capurro, A. J.** Infección tuberculosa de las cremas de consumo de la ciudad de Buenos Aires. Ibid., 1942, 4: 338–42.—**Cavazzutti, G. B., & Cortelezzi, E. D.** La leche de consumo en La Plata. Sem. méd., B. Air., 1916, 23: pt 2, 515–29.—**Depetris, P.** Valor antirraquítico de la leche de vaca de consumo de la ciudad de Córdoba. Arch. argent. pediat., 1937, 8: 852–8.—**Kipshagen, F.** Bakteriologische Untersuchungen der Marktmilch in Buenos-Aires. Zschr. Fleisch Milchhyg., 1925–26, 36: 308–12.—**Macola, B. A., & Fazio C., C.** Calcio y magnesio en la leche de Córdoba. Rev. Soc. argent. biol., 1944, 20: 649–58.—**Manzullo, A.** Investigaciones bacteriológicas en las leches de consumo de la ciudad de Buenos Aires. Rev. Inst. bact. Dep. nac. hig., B. Air., 1935–36, 7: 507–48. ——— Bacteriología de la leche de consumo en B. Aires. Rev. sudamer. endocr., B. Air., 1938, 21: 460.—**Moreira, A., & Tessieri, I.** Cantidad de gérmenes que contiene la leche de consumo de Buenos Aires. Arch. lat. amer. pediat., B. Air., 1928, 22: 771–8.

—— by countries: Australia.

Ferguson, E. W. Note on the examination of the Sydney surburban dairy milk for tubercle bacilli. Med. J. Australia, 1924, 1: Suppl., 271–5.—**Hutchinson, R. C.** Observations on the mineral and vitamin content of Australian milk. Nutrit. Abstr., Aberdeen, 1941–42, 11: 28 (Abstr.)—**Low** soil phosphate and Australian milk. Med. J. Australia, 1940, 1: 803.—**Miller, E. H.** Composition of Australian (Victorian) milk. Analyst, Lond., 1912, 37: 47.—**O'Brien, R. G.** A survey of genuine milk samples collected during the period July, 1933, to October, 1934, in the Metropolitan milk board producing districts. Rep. Dir. Pub. Health N. S. Wales (1934) 1936, 20–5.

—— by countries: Austria.

Rudolf, J. Ueber das Vorkommen der Bang'schen Abortusbakterien in der Wiener Marktmilch und Bemerkungen über die Gefährlichkeit von Bangbazillenhältiger Milch für den Menschen. Wien. med. Wschr., 1930, 80: 1523–6. ——— **Münchberg & Agnesy.** Bakteriologisch-hygienische Untersuchungen über die Beschaffenheit der Wiener Marktmilch. Wien. klin. Wschr., 1928, 41: 1747–50.

—— by countries: Belgium.

Kufferath, H. Contribution à l'étude des laits de la ville de Bruxelles. Bull. Soc. centr. méd. vét., Par., 1908, 62: 657–60. Also Clinique, Brux., 1908, 22: 341–57.—**Mainsbrecq, V.** La constante moléculaire simplifiée et les laits de la région de Bruxelles. Ann. falsif., Par., 1935, 28: 167–72.—**Vivario, R., & Stainier, C.** Etude chimique des laits de l'est de la Belgique. J. pharm. Belgique, 1929, 11: 285; passim.

—— by countries: Brazil.

MARTINS, A. F. Sobre o padrão bacteriológico do leite em São Paulo; considerações em torno de 626 análises, efetuadas de agosto de 1934 a dezembro de 1937. p.304–56. 26cm. S. Paulo, 1941.

Rev. Inst. Adolfo Lutz, S. Paulo, 1941, 1:

Altino Doria, O. O leite que o Rio de Janeiro consome. Fol. méd., Rio, 1934, 15: 241–9.—**Figueira, F.** Sobre o leite consumido no Rio de Janeiro. Brasil med., 1920, 34: 106.—

Gomes, E. O leite no Rio de Janeiro. Ibid., 1906, **20:** 343.—**Rogick, F. A.** Análises físico-químicas do leite proveniente de rebanhos bovinos, localizados em diversas regiões do Estado de São Paulo. Bol. indúst. animal, S. Paulo, 1943, **6:** No. 3, 59; 1946, **8:** 102; passim; 1947, **9:** No. 3, 64.

—— by countries: Bulgaria.

Petkoff, N. Ueber die Zusammensetzung der bulgarischen Milch. Zschr. Untersuch. Lebensmitt., 1937, **74:** 170–5.

—— by countries: Canada.

Laberge, J. E. Le lait à Montréal. Union méd. Canada, 1907, **36:** 70–9.

—— by countries: China.

Levine, C. O., & Cadbury, W. W. A study of milk produced in Kwangtung. 9p. 8° Canton, ca 1918.

Levine, C. O. Milk produced in Southern China. Philippine J. Sc., 1919, **15:** 91–104, pl.

—— by countries: Colombia.

Gómez Vega, P. La leche en Bogotá. Repert. med. cir. Bogotá, 1930, **21:** 64–82.

—— by countries: Cuba.

Angulo, J. J., Cowley, R. F. [et al.] Vitamin A content of Cuban cow's milk and of liver oils of Cuban sea sharks. Food Res., 1948, **13:** 1–5.—**Dobal, M. E.** El abasto de leche de la ciudad de la Habana; informe sobre los promedios de composición química y tenor bacteriano, y sobre la organización del servicio de vigilancia sanitaria. Bol. Of. san. panamer., 1933. **12:** 141–52.—**Plasencia, L.** La leche que se consume en la Habana, por su composición es buena; es sucia bacteriológicamente por malas manipulaciones. An. Acad. cienc. méd. Habana, 1914, **50:** 921–57, illust. Also Rev. méd. cubana, 1914, **24:** 59–80.—**Simpson, J. A.** La leche en Cuba. An. Acad. cienc. méd. Habana, 1922–23, **59:** 34–73. Also San. bencf., Habana, 1922, **27:** 239–59, pl.

—— by countries: Czechoslovakia.

Kredba, M., & Byčichin, A. [Quality of the milk in Prague in 1933] Cas. lék. česk., 1934, **73:** 855–60.—**Neseni, R.** Die biologische und hygienische Kontrolle und Beschaffenheit der in Nordböhmen ermolkenen Milch. Prag. Arch. Tiermed., 1930, **10:** T. A, 111–46.

—— by countries: Denmark.

Andersen, A. C., Longmack, E. P., & Winther, J. E. La composición y el calor de combustión de la leche de vaca danesa. Rev. hig. san. pecuar., Madr., 1931, **21:** 663–5.—**Bjørum, A., & Poulsen, V.** [Analysis of milk from Copenhagen dairy companies in the summer of 1917] Ugeskr. laeger, 1917, **79:** 1869–82.—**Pedersen, N.** Milchbeurteilung in Dänemark Molkereiztg, 1906, **16:** 533.—**Schmidt, V.** [Analysis of milk from Copenhagen milk shops in the summer of 1917] Ugeskr. laeger, 1917, **79:** 1897–901.

—— by countries: East Africa.

Kirkham, V. H. The composition of milk in British East Africa. Analyst, Lond., 1920, **45:** 298–301.

—— by countries: Egypt.

Ghoneim, A., Taha el-Katib, M., & Raafat, M. Chemical composition of Egyptian cow's milk in relation to milk laws. Nature, Lond., 1947, **159:** 506.—**Hogan, G., & Azadian, A.** The composition of Egyptian cow milk (the milk of individual animals) Rep. Pub. Health Laborat., Cairo, 1918, 31–6.—**Lucas, A.** The composition of the milk of Egyptian animals. Cairo Sc. J., 1914, **8:** 158.—**Mihaéloff, S.** Le rôle du lait dans la dissémination des germes pathogènes en Egypte. Ann. hyg., Par., 1939, n. ser., **17:** 351–6.—**Mohamed, Z., & Hassanein, M. A.** Bacteriological examination of some milk samples obtained from various districts in Egypt. Annual Rep. Vet. Serv. Egypt (1933–34) 1939, 47–52.—**Wahby, A. M., & Rouchdy, A.** Incidence of pathogenic bacteria in market milk of Cairo. Vet. J. Lond., 1946, **102:** 94–102.

—— by countries: Eritrea.

Chiari, B. Ricerche su alcuni constituenti normali del latte dei bovini dell'Altipiano Eritreo. Arch. ital. sc. med. col., 1937, **18:** 200–14. Also Atti Congr. stud. col., Sez. pat., 1937, 3. Congr., **9:** 225–8.

—— by countries: France.

Alvarez, J. A. *Etude bactériologique du lait mis dans le commerce dans la ville de Bordeaux. 116p. 25cm. Bord., 1933.

Barthélemy, A. *Contribution à l'étude du lait consommé à Nancy. 105p. 8° Nancy, 1907.

Bergevin, C. Etude sur les laits de la Beauce et du Perche (Arrondissement de Châteaudun) [Pharm.] 72p. 8° Par., 1913.

Bertin-Sans, H., & Gaujoux, E. La qualité des laits de dépôt à Montpellier. 6p. 8° Montpell., 1909.

Also Montpellier méd., 1909, **28:** 265–8.

—— La qualité du lait à Montpellier. 6p. 8° Montpel., 1906.

Also Montpellier méd., 1906, **23:** 217; 293; 609.

Bury, A. A. A. Enquête sur le lait à Lille [Pharm.] 58p. 8° Lille, 1911.

Crassous, R. D. *Quelques recherches sur la qualité du lait à Montpellier. 100p. 25cm. Montpel., 1936.

Defrance, P. *Les normes des laits de Montpellier, appendice, quelques observations sur l'analyse des laits conservés par addition de bichromate de potasse. 44p. 8° Montpel., 1908.

Desbarrières, E. *Etude sur les laits de Touraine (Arrondissement de Loches) observations relatives aux variations de composition du lait. 100p. 8° Par., 1909.

Dop, J. B. *Contribution à l'étude chimique du lait de la région sud de Toulouse; constante moléculaire [Strasbourg] 67p. 25cm. Lyon, 1943.

Genel, M. *Contribution à l'étude de l'extrait dégraissé et de la constante moléculaire simplifiée; son application aux laits de vaches flamandes dans la région du Nord [Nancy] 134p. 24cm. Lille, 1933.

Grosjean, R. H. R. *Le problème du lait hygienique en Meurthe-et-Moselle; souillures par bacteries Coli-aerogenes. 137p. 25cm. Nancy, 1937.

Lagrange, A. P. J. M. *Etude analytique des laits de la vallée de la Dronne; du passage de quelques principes alimentaires et autres dans le lait. 67p. 25cm. Bord., 1933.

Mathieu, G. *De l'influence des facteurs climatiques sur la constante moléculaire simplifiée et corrigée du lait; étude appliquée au lait de vache des plus hautes vallées alpines [Pharm.; Marseille] 101p. 25cm. Salon, 1939.

Pradoux, G. *Contribution à l'étude chimique du lait du Limousin occidental; constante moléculaire simplifiée des laits de la région de Limoges [Pharm.; Strasbourg] 58p. 24cm. Limoges, 1941.

Auguet, A. La constante moléculaire simplifiée et les laits du Finistère. Ann. falsif., Par., 1921, **14:** 204–25.—**Bellier.** Le lait à Lyon. C. rend. Ass. fr. avance. sc. (1906) 1907, **35:** pt 2, 1382–8.—**Bertin-Sans, H., Imbert, H., & Blaufus, O.** La qualité du lait à Montpellier; organisation d'une surveillance des laitiers syndiqués. Montpellier méd., 1907, **25:** 553–63.—**Bonn, A.** Le lait consommé à Lille. Echo méd. Nord, 1905, **10:** 296. ——— **Dubernard, & Pagès.** Les variations de composition des beurres et des laits dans le Département du Nord; résultat d'une enquête d'une année, 1912–13. Ann. falsif., Par., 1914, **7:** 231–43.—**Carrieu, F.** Recherches sur la qualité du lait à Montpellier. Lait, 1927, **7:** 26–35.—**Defrance, P.** Les laits de la ville de Montpellier. Ann. falsif., Par., 1920, **13:** 146–50.—**Florentin, D.** La composition et la pureté des laits de la région parisienne. Ibid., 1937, **30:** 156–60.—**Fonzes-Diacon.** La qualité du lait à Montpellier. Montpellier. méd., 1907, **24:** 134–9. ——— La constante moleculaire approchée et les laits de Montpellier. Ann. falsif., Par., 1921, **14:** 271–5.—**Gibert, P.** Recherches sur la contamination par le bacille tuberculeux bovin du lait et des produits laitiers livrés à la consommation parisienne. C. rend. Soc. biol., 1945, **139:** 356. ——— Recherche du bacille tuberculeux bovin dans le lait et les produits laitiers distribués à Paris. Rec. tr. Inst. nat. hyg., Par., 1946, **2:** 731–8.—**Hugues.** Les laits de la ville de Montpellier. Ann. falsif., Par., 1919, **12:** 272–82.—**Maurd, Arnaud, & Carcanague.** Etude des laits vendus à Toulouse et dans le département; nécessité du minimum.

Arch. méd. Toulouse, 1909, **16**: 289; 306.—**Paget.** Enquête sur les laits vendus à Lille. J. sc. méd. Lille, 1927, **45**: pt 2, 384–8. ——— L'hygiène du lait vendu à Lille. Ibid., 1929, **47**: pt 2, 303–6.—**Pinard, A.** Le lait du troupeau de Paris, son emploi. Bull. Acad. méd., Par., 1914, **72**: 163–7.—**Rambault & Crassous.** Quelques recherches sur le lait à Montpellier. Arch. Soc. sc. méd. biol. Montpellier, 1934–35, **16**: 259–64.—**Robin & Drugé, F.** La constante moléculaire simplifiée appliquée aux laits de la Loire–Inférieure. Lait, 1932, **12**: 658–64.—**Ros, V., & Gaujoux, E.** Etude des laits de dépot à Montpellier. Montpellier méd., 1908, **27**: 377–81.—**Verge, J.** Recherche du bacille tuberculeux dans les laits mis en vente à Paris. C. rend. Soc. biol., 1945, **139**: 458. ——— Les laits tuberculeux; sur la teneur en bacilles de Koch des laits mis en vente dans la région parisienne. Rev. path. comp., Par., 1946, **46**: 2–4.—**Warnery, M.** Essais de recherches des bacilles bovins dans le lait livré à la consommation parisienne. Rev. tuberc., Par., 1933, 4. ser., **1**: 959–62.

—— by countries: French West Africa.

Dufour, V. Etude des laits consommés à Dakar. Ann. méd. pharm. col., Par., 1937, **35**: 87–136.

—— by countries: Germany.

Bürkle, E. *Die Beschaffenheit der Tübinger Milch [Tübingen] 27p. 8° Ulm, 1932.

Falke, R. W. *Zur hygienischen Untersuchung und Beurteilung der Marktmilch einer Großstadt Mitteldeutschlands. 44p. 8° Engelsdorf-Lpz., 1931.

Hoffman, W. *Die Beschaffenheit der Vorzugsmilch einer mitteldeutschen Großstadt vom Standpunkt der Milchhygiene. 44p. 8° Lucka-Lpz., 1930.

Baur, R. Die Beschaffenheit der Verkaufsmilch im rheinisch-westfälischen Industriegebiet. Deut. tierärztl. Wschr., 1939, **47**: 365.—**Brüning, H.** Untersuchungen der Leipziger Marktmilch, mit besonderer Berüchsichtigung der in derselben nachweisbaren Streptokokken. Jahrb. Kinderh., 1905, **62**: 1–21.—**Eber, A.** Untersuchungen über den Tuberkelbazillengehalt der in Leipzig zum Verkauf kommenden Milch und Molkereiprodukte. Zschr. Fleisch Milchhyg., 1908, **18**: 309–19.—**Fortuna, E.** Studi e ricerche sulla sorveglianza igienica del latte intrapresi nella Città di Amburgo. Igiene mod., 1931, **24**: 331–47.—**Hittcher.** Untersuchung der Milch der Kuhherde der königl. Domäne Kleinhof-Tapian im Jahre 1904–05; 1906–07. Molkereiztg, 1906, **16**: 471; 1908, **18**: 494; 505.—**Jankowski, Z.** [The milk in Pomerania] Warsz. czas. lek., 1939, **16**: 258; 277; 298.—**Meyn, A., Weiske, G.** Untersuchungen über den Abortusbakteriengehalt der Vorzugsmilch einer Großstadt. Ztschr. Fleisch Milchhyg., 1930–31, **41**: 277–82.—**Stevens, F. L.** Market milk, bacteriological data. Zbl. Bakt., 2. Abt., 1907, **20**: 114–21.—**Vollert.** Untersuchungen über den Tuberkelbazillengehalt Königsberger Marktmilch. Zschr. Veterinärk., 1926, **38**: 204–10.

—— by countries: Great Britain.

Bacterial content of the London milk supply. Med. Off., 1933, **50**: 202–4.—**Cameron, J. S.** Yorkshire milk. Pub. Health, Lond., 1908–09, **21**: 263–70.—**Delépine, S.** Pathogenic properties of and amount of dirt contained in the milk supplied to the town of Manchester during the ten years 1897 to 1906 inclusive. Med. Chron., Manchester, 1907–08, **47**: 473–82, ch.—**Fairer, J. A.** The bacteriological investigation of a county milk supply. Med. Off., Lond., 1926, **35**: 163–6.—**Fordyce, A. D.** The percentage composition of Edinburgh milks. Edinburgh M. J., 1908, n. ser., **1**: 230.—**Hewlett, R. T., & Barton, G. S.** The results of a chemical, microscopical and bacteriological examination of samples of London milks. J. Hyg., Lond., 1907, **7**: 22–31.—**Kay, H. D.** The compositional quality of milk. J. R. San. Inst., 1947, **67**: 515–8; Disc., 534.—**Medland, H. M.** The purity of milk supplies in the West of England. Ibid., 1929–30, **50**: 709–11.—**Milk** in England and Wales and in Scotland. Vet. Rec., Lond., 1945, **57**: 639–41.—**Peck, J. W.** London milk. J. R. Inst. Pub. Health, 1907, **15**: 219–26.—**Richmond, H. D., & Revis, C.** London milk. Ibid., 268–72.—**Thorpe, T. E.** The analysis of samples of milk referred to the Government Laboratory in connection with the Sale of Food and Drugs Acts. J. Chem. Soc., Lond., 1905, **87**: 206–25. Also Analyst, Lond., 1905, **30**: 197–205 (Abstr.)

—— by countries: Greece.

Ananiadès, B., & Papanarghyrou, N. Recherches sur l'existence du bacille tuberculeux et du bacille de Bang dans le lait et le beurre du commerce à Salonique. C. rend. Soc. biol., 1936, **123**: 776.

—— by countries: Guatemala.

García Vargas, J. *Contribución al estudio de las leches de Guatemala; control bacteriológico por el método de Skar. 19p. 26cm. Guatemala, 1933.

—— by countries: Hebrides.

Williams, H. Some observations on tuberculosis in the Hebrides with special reference to milk. Edinburgh M. J., 1931, n. ser., **38**: 209–18.

—— by countries: Holland.

Reinders, W. Een melkonderzoek te Breda. Tschr. sociale hyg., 1905, **7**: 156–63.—**Velthorst, H.** [Bacteriology of milk of cafeterias] Ned. tschr. hyg. microb., 1929, **4**: 87.

—— by countries: Hungary.

Szányi, I. Zusammensetzung westungarischer Milch. Zschr. Untersuch. Lebensmitt., 1928, **55**: 297.

—— by countries: India.

Banerjea, R. Tubercle bacilli in milk of Calcutta. Calcutta M. J., 1944, **41**: 59–62. ——— & **Sen, A. K.** The bacterial content of the Calcutta milk supply; suggested milk bacteriological standards. Ind. M. Gaz., 1946, **81**: 40–5.—**Blackham, R. J.** Milk in India. J. R. Army M. Corps, 1911, **16**: 187–91.—**Blomberg, C.** Melk; getal van Bialon en somgetal (L+V) in Indië. Pharm. tschr. Ned. Indië, 1930, **7**: 327–31.—**De, N. K.** Spectrographic examination of some Indian milks. Ind. J. M. Res., 1934–35, **22**: 499–508.—**Macmahon, P. S., & Srivastava, L. N.** Some cryoscopic measurements in Indian milk. Analyst, Lond., 1935, **60**: 307.—**Srivastava, G. N.** Dairy milk. Ind. Vet. J., 1940, **17**: 73–6.—**Stewart, A. D., & Banerjea, N. L.** The cryoscopy of Calcutta milk. Ind. J. M. Res., 1930, **18**: 57–70.

—— by countries: Indochina.

Brancourt, A. A. P. *Le lait dans le Delta tonkinois. 43p. 25cm. Bord., 1934.

Autret, M. Les laits de vache du Tonkin. Méd. trop., Marseille, 1948, **8**: 587–622, 3 tab.—**Guichard, F.** La réaction de Schardinger sur les laits de Cochinchine. Ann. med. pharm. col., Par., 1935, **33**: 1038–50. ——— Contribution à l'établissement des limites des composants des laits de vache de la région de Hanoï. Ibid., 1937, **35**: 744–7. Also Bull. Soc. méd. chir., Hanoï, 1937, **15**: 315–8.—**Jauffret, M., & Autret, M.** Les laits et la production laitière au Tonkin. Rev. élev. méd. vét. pays trop., 1947, **1**: 201; passim.—**Loste.** Le lait des vaches du Tonkin. Ann. hyg. méd. col., Par., 1906, **9**: 440–5.

—— by countries: Italy.

Bonamartini, G. Studio chimico del latte che si produce nel territorio di Firenze e considerazioni igieniche. p.171–227. 23½cm. Roma, 1913.

Ann. igiene, 1913, n. ser., **23**:

Ara, F. Sulla condizioni del latte alimentare nella città di Modena. Igiene mod., 1934, **27**: 491–501.—**Boffa, U.** Il latte alimentare in Asti. Ibid., 1932, **25**: 42–9.—**Cormio, A.** Sul contenuto in germi patogeni dei latticini freschi di Bari. Ibid., 1931, **24**: 353–60.—**Costa, A.** Studio chimico-igienico sul latte commerciale di Firenze. Ibid., 1926, **19**: 257–67.—**Jonata, R.** Ricerche sulla presenza delle brucelle e di agglutinine specifiche nel latte e nei formaggi di uso alimentare più comune in Italia. Gior. clin. med., 1933, **14**: 242–56.—**Mondolfo, U.** Sulla presenza di germi patogeni nel latte del mercato di Bologna e sulla metodica per il loro studio. Bull. sc. med., Bologna, 1933, **105**: 531–42.—**Vanni, G.** Sul latte del mercato di Modena. Gior. Soc. ital. igiene, 1915, **37**: 82; 140.

—— by countries: Japan.

Ataka, S., Matubara, K., & Sigeno, S. Kanagawa-ken ni okeru sihan gyūnyū no genzyō ni tuite [Present status of the milk sold commercially in Kanagawa Prefecture] Nippon eisei kagakkai si, 1935, **7**: 174–84.—**Matumoto, B., & Syōzi, Y.** Kanazawa tihō ni okeru gyūnyū no kagaku-teki sosei koto-ni sono yūki-seibun no ganryō ni tukite [Chemical composition of milk in the Kanazawa region, especially the amounts of its organic constituents] Zyūzenkai zassi, 1931, **36**: 1381–93.

—— by countries: Jugoslavia.

Ivanić, S. Z. [Bacteriological quality of milk sold at Beograd] Glasnik, Beogr., 1929, **7**: 1–9.

—— by countries: Manchuria.

Sugiura, M. Man-Mō ni okeru gyūnyū no kenkyū; gyūnyū no kagaku-teki sosei ni tuite [Cow's milk in Manchuria and Mongolia; chemical constituents] J. Orient. M., Dairen, 1934, **20**: 641–64. ——— Gyūnyū no muki seibun ni tuite [Inorganic components of milk] Ibid., 665–79. ——— Gyūnyū no rin gan-yū-ryō narabi-ni sono bunpu zyōtai ni tuite [Phosphorus content of cow's milk and its distribution] Ibid., **21**: 1–13. ——— Hi-tanpaku-sei gan-tisso bussitu ni tuite [Non-protein nitrogenous substance] Ibid., 1935, **22**: 699–710.

——— Gyūnyū tyū no kangen-bussitu, toku-ni Ascorbin-san to Glutathion ni tuite [Reducing substances in milk, especially ascorbic acid and glutathione] Ibid., 1936, **25**: 239–64. ——— Man-Mō gyūnyū no Vitamin C gan-yū-ryō ni tuite [The vitamin C content of the Manchurian and Mongolian milk] Nippon seikagakkai kaihō, 1935, **10**: 189.

—— by countries: Mexico.

Arroyo, J. La leche fresca en México desde el punto de vista bacteriológico. Gac. méd. México, 1946, **76**: 325–52.—**Bárcenas F., M.** Análisis químico de seis tipos de leche que se expenden en la capital. Rev. quím. farm., Tegucigalpa, 1947, **2**: 65–8.—**Urbina, M. M.** La leche que se toma en la Ciudad de México. Bol. cienc. méd., Méx., 1910, **1**: 265–77. Also Mem. Congr. méd. nac. mex., 1910, 4. Congr., 681–92.

—— by countries: Monaco.

BERNIN, A. *Les laits de la principauté de Monaco et de ses environs immédiats. 49p. 8° Montpel., 1913.

—— by countries: Morocco.

Comby, J. Le lait de vache au Maroc. Bull. Soc. pédiat. Paris, 1923, **21**: 187–90.—**Lavialle, P.** Le lait de vache de la région de Rabat (Maroc) Ibid., 1919, **17**: 138–44. Also Bull. sc. pharm., Par., 1919, **26**: 193–7.—**Velu, H., Zottner, G., & Belle, G.** Composition des laits et hygiène de la production laitière au Maroc. Lait, 1934, **14**: 572–9.

—— by countries: Paraguay.

Ramírez Boéttner, C. M., & Canese, A. Tuberculosis y brucelosis en muestras de leche asuncena. Rev. méd. Paraguay, 1946, **3**: 131–3.

—— by countries: Poland.

Ber, A. Bacilles de Bang et bacilles tuberculeux dans le lait du commerce à Varsovie. C. rend. Soc. biol., 1933, **113**: 1269.—**Hryniewicz, M., & Wasilewska-Mironowiczowa, E.** [Bacterial infection of the milk on the markets in Warszawa during the various seasons] Polska gaz. lek., 1929, **8**: 656.—**Lipska, I.** Les colibacilles et les bactériophages du lait de consommation en nature à Varsovie. Lait, 1937, **17**: 236–41.

—— by countries: Portugal.

Borges, I., & Agueda Ferreira, A. Contribution à l'étude bactériologique du lait de la ville de Lisbonne. Arch. Inst. bact. Camara Pestana, Lisb., 1909–10, **3**: 99–135.—**Pinto, M. A.** O leite do Pôrto sob o ponto de vista bacteriológico. An. Fac. farm. Pôrto, 1939, **1**: 5–29.

—— by countries: Romania.

Vladesco, R., & Prahoveanu, H. Le lait et la vitamine C en Roumanie. Lait, 1939, **19**: 798–805.

—— by countries: Russia.

Arnoldov, V. A. O kačestve moloka v bufetakh passažirskikh parokhodov na r. Volge i o merakh k ustraneniju ego nedobrokačcstvennosti. Vest. obshch. hig., sud. prakt. med., 1909, **45**: 1357–79.—**Bykov, K. M.** K voprosu ob issledovanii moloka i moločnykh produktov v g. Kazani. Kazan. med. J., 1910, **10**: 161–98.—**Demianenko, V.** [Milk on the Kharkov market] Profil. med., Kharkov, 1927, **6**: No. 11, 1–12.—**Furs, T.** [Tests of bacteriological control of sold milk in Leningrad] Arkh. biol. nauk, 1924, **24**: 243–6.—**Kiszkiel, J.** Mleko w Piotrkowie i gubernii Piotrkowskiej. Zdrowie, Warsz., 1907, **23**: 533–42, tab.—**Minch, A. A., Astanina, V. V., & Krivitskaja, N. I.** [Hygienic evaluation of milk in kindergartens in Leningrad] Pediatria, Moskva, 1940, No. 7, 90–3.—**Mudrov, A. A.** Khimičeskoe issledovanie moloka nižegorodskogo rynka za 1926–27 g. Hig. epidem., Moskva, 1928, **7**: No. 7, 32–6.—**Shimansky, E., & Koenig, F.** [Results of survey of market milk] Profil. med., Kharkov, 1928, **7**: No. 4, 144–9.—**Sokolov, A. P.** Bakteriologičeskoe issledovanie moloka Nižegorodskogo rynka. Hig. epidem., Moskva, 1928, **7**: No. 7, 36–40.—**Solovjeva, A. N., & Solovjev, A. V.** [Chemical composition of therapeutic milk mixtures dispensed by the milk kitchens in Novosibirsk] Vopr. pitan., 1939, **8**: No. 3, 76–85.—**Trapezoncev, G. S.** Izsledovanie Kharkovskago prodažnago moloka na tuberkulez. Sborn. tr. Kharkov. vet. inst., 1912–13, **11**: No. 5, 1–34.—**Vulfović, M. A., & Gluškovskaja, N. S.** Sostojanie moločnogo rynka g. Dnepropetrovska po planovomu obsledovaniju. Profil. med. Kharkov, 1927, **6**: No. 7, 10–22.—**Wojtkiewicz.** Untersuchung der Moskauer Marktmilch. Zbl. Bakt., 2. Abt., 1913, **39**: 53–61.—**Zakharov, N. N., & Einer, L. N.** K voprosu o kačestve rynočnogo moloka v Leningrade. Hig. & san., Moskva, 1949, **14**: No. 9, 51.

—— by countries: Somaliland.

Sensi, G. Sulla composizione chimica del latte somalo. Gior. med. mil., 1937, **85**: 869–87.

—— by countries: South Africa.

Horwitz, B. M. Incidence of tubercle bacilli in the milk supply of Cape Town. S. Afr. M. J., 1944, **18**: 357.—**Pullinger, E. J.** The chemical composition of milk produced on the South African high-veld for supplying the fluid milk trade. J. S. Afr. Vet. M. Ass., 1946, **17**: 177–83.

—— by countries: Spain.

Carda Gómez, P. La leche en el medio rural. Rev. san., Madr., 1932, **7**: 307–10.—**Martínez Bruna, J.** La composición media de la leche de vaca en Valladolid. Ibid., 1936, **11**: 395–406.—**Sampedro, A., López Azcona, J. M., & Santos Rúiz, A.** Oligoelementos en alimentos españoles de origen animal; embutidos, leche y productos lácteos. Rev. españ. fisiol., 1948, **4**: 233–5, tab.

—— by countries: Switzerland.

DÜGGELI, M. Untersuchungen über die Mikroflora von Handelsmilch verschiedener Herkunft in der Stadt Zürich nach Zahl und Art der darin vorkommenden Spaltpilze. p.433–531. 23½cm. Jena, 1916.
Zbl. Bakt., 2. Abt., 1916, **45**:

THÖNI, J. Untersuchungen über die hygienisch-bakteriologische Beschaffenheit der Berner Marktmilch mit Berücksichtigung des Vorkommens von Tuberkelbacillen. p.11–69. 24cm. Jena, 1914.
Zbl. Bakt., 1. Abt., 1914, **74**: Orig.

Bührer, C. Le lait à Montreux. Schweiz. Apoth. Ztg, 1917, **55**: 272–4.—**Untersuchungen** über den Gehalt der Milch in der Schweiz. Schweiz. Chem. Ztg, 1946, **29**: 402.—**Zollikofer, E., & Krupski, A.** Untersuchungen über die Produktions- und Gehaltsschwankungen der Milch auf den Alpen Prélet und Cotter im Val d'Hérens, Valais. Schweiz. Arch. Tierh., 1946, **88**: 25; 80.

—— by countries: Tunis.

Henry, E. La tuberculose bovine et la production du lait à Tunis. Tunis. méd., 1937, **31**: 267–77.

—— by countries: Turkey.

Bilal. Etudes sur les laits d'Ankara au point de vue de Brucella Bang et de la tuberculose. Arch. internat. brucell., Joyeuse, 1939, **2**: No. 2, 53.—**Kiper, M.** [Milk fats from different parts of Turkey] Türk ijiyen & tecr. biyol. dergisi, 1946, **6**: 107–28.—**Server Kāmil Tokgöz & Sait Bilāl Golem** [Investigation of milk samples from Ankara for Brucella Bang and tuberculosis bacilli] Türk hıfzıssıhhà tecr. biyol. mecmuası, 1938–39, **1**: 23–9.

—— by countries: Uganda.

Hall, C. N., & Jones, E. R. The results of milk analysis in the Uganda Protectorate. Vet. J., Lond., 1928, **84**: 177–83.

—— by countries: United States.

Bartlett, C. J. New Haven milk. Yale M. J., 1906–07, **13**: 163–80.—**Clarke, L. B.** The milk supply of Atlanta; the dangers existing in impure milk, and the remedy. Atlanta J. Rec. Med., 1907–08, **9**: 136–47.—**Conn, H. W.** The character of milk in small communities. Proc. Conf. Am. Ass. Med. Milk Com., 1909, **3**: 71–6.—**Gilman, H. L., & Milks, C. H.** Types in Brucella recovered from milk in New York State. Cornell Vet., 1933, **23**: 150–2.—**Hess, A. F.** A study of the tuberculous contamination of the New York City milk-supply. Tr. Internat. Congr. Tuberc., 1908, 6. Congr., **4**: pt. 2, 523–32.—**Hoyer, B.** Milk that is available in Cincinnati. J. Med., Cincin., 1934, **15**: 370–3.—**Hutshing, E. E.** The milk supply of San Francisco and its bacterial content. California State J. M., 1913, **11**: 14–7.—**Kinyoun, J. J., & Dieter, L. V.** A bacteriological study of the milk supply of Washington, D. C. Am. J. Pub. Health, 1912, **2**: 262–74.—**Le Mar, J. D., & Gunderson, M. F.** Studies on Omaha milk; the bacterial population of market milk. Nebraska M. J., 1938, **23**: 13–7.—**North, C. E.** New York City milk. N. York State J. M., 1940, **40**: 1320–7.—**Orcutt, F. S.** The quality of milk in a large section of Virginia as affected by the constant occurrence of Streptococcus lactis variety tardus and Bacillus albolactis. J. Bact., Balt., 1942, **43**: 61.—**Pryor, J. C.** On the presence of spore-bearing bacteria in Washington market milk. Johns Hopkins Hosp. Bull., 1914, **25**: 276–8.—**Schroeder, M. C.** A study of the bacteriological and sanitary condition of the milk supply of New York City. Collect. Stud. Res. Laborat. Dep. Health N. York, 1911, **6**: 237–53, 2 tab.—**Schweinitz, E. A. de.** A report upon the examination of milk furnished by the Pasteur Milk Laboratory of Washington, D. C., from January 1, 1898–February 1, 1899. Tr. M. Soc. District of Columbia (1899) 1900, **4**: 36.—**Seelig, M. G.** Report of the examination of market milk in St. Louis. J. Missouri M. Ass., 1922, **19**: 303–5.—**Shippen, L. P.** Principal types of microorganisms in Baltimore milk. Johns Hopkins Hosp. Bull., 1914, **25**: 122–8.—**Spengler, N. L.** A study of the

purity and quality of the milk supply of Georgia and its relation to children consuming it. J. M. Ass. Georgia, 1923, **12**: 313–8.—**Swenarton, J. C.** Observations on pin point colony organisms in the Baltimore milk supply. J. Bact., Balt., 1926, **11**: 285–92.—**Wynne, S. W.** The history of milk in New York City. Cornell Vet., 1934, **24**: 299–309.

—— by countries: Uruguay.

Borzone, R. A. Flora microbiana de la leche potable de Santa Fé antes y después de higienizada. Bol. Cons. nac. hig., Montev., 1930–31, **25**: 339–45.—**Murguía, L. J.** Algunas consideraciones sobre la calidad de la leche que consume Montevideo. Arch. pediat. Uruguay, 1945, **16**: 277–83. Also Arch. argent. pediat., 1945, **24**: 151. Also Arch. méd. mex., 1946, **4**: 280.

—— by countries: Venezuela.

Andrade, J. L. Determinación por control de analisis del porcentaje maximo y minimo de las substancias componentes de nuestras leches de consumo; fijación de tipos normales y diferenciación del fraude y de la mala calidad. Bol. Min. san., Caracas, 1939, **4**: No. 5, 82–96, ch.—**Oiano y Bañares, J. R. R. de.** Las características de la leche de vaca en Mérida. Mem. Congr. venezol. leche, 1939, 1. Congr., 353–6.

—— in wartime.

Gronover, A. Beitrag zur Frage der Krlegsmilch und einiges über die Kryoskopie der Milch. Zschr. Untersuch. Nahrungsmitt., 1919, **38**: 211.—**Pritzker, J.** Hat sich die Qualität der Milch während der Kriegszeit verändert? Schweiz. Apoth. Ztg, 1919, **57**: 167–9.

MILK constituents.

See also other main headings on **Milk: M. analysis; M. chemistry; M. composition; M. contamination.**

Génin, G. Les constituants moins connus du lait. Lait, 1937, **17**: 820–3.—**Laxa, O.** Sur la signification des matières non spécifiées dans le lait. Ibid., 1928, **8**: 1–4.—**Leyko, Z.** Los componentes de la leche, solubles en el agua y su constancia. Rev. hig. san. pecuar., Madr., 1931, **21**: 679–82.—**Mojonnier, T., & Troy, H. C.** The constituents of milk. In their Techn. Control Dairy Prod., 2. ed., Chic., 1925, 10–34.

—— Acids.

See also **Milk chemistry,** Acid-base equilibrium.

Kunicky, P. V. Кислотность молока, как фактор, влияющий на результаты исследования этого продукта. p.243–314. 24cm. Kharkov, 1911.

Sborn. tr. Kharkov. vet. inst., 1911, **10**:

Zeich, W. *Untersuchungen über den Säuregrad frisch ermolkener Kuhmilch (unter besonderer Berücksichtigung der Milch von euterkranken, brünstigen, stiersüchtigen und tuberkulösen Kühen und solchen mit Erkrankungen von Gebärmutter und Scheide) [Giessen] 59p. 8° Düsseld., 1937.

Anderson, E. O., Dowd, L. R., & Stuewer, C. A. Relation of acidity of milk to oxidized flavor. Food Res., 1937, **2**: 143–50.—**Bordas, F., & Touplain, F.** L'acidité originelle du lait. Ann. falsif., Par., 1911, **4**: 297–301.—**Chrétien, A.** Recherches sur l'acidité du lait de vache. Hyg. viande, 1913, **7**: 244–57.—**Koestler, G.** Kritische Bemerkungen zum Grenzsäuregrad der Milch. Mitt. Lebensmitteluntersuch., Bern, 1948, **39**: 337–41.—**Monvoisin, A.** L'acidité des laits. Hyg. viande, 1910, **4**: 241–6.—**Rice, F. E.** Milk with high apparent acidity. Science, 1919, n. ser., **50**: 424.—**Robinson, A. D., & Samson, H. S.** The source of acidity of fresh milk from Jersey cows. Canad. J. Res., 1946, **24**: Sect. B, 5–11.—**Scheele.** Sur le lait et sur son acide. Observations (Rozier) Par., 1783, **22**: 170–5.—**Schern, K.** Ueber einen neuen Apparat zur Säurebestimmung der Milch. Molkereiztg, 1910, **20**: 445.—**Sommer, H. H.** The titratable acidity of milk. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 90–100.—**Tapernoux, A.** Les relations entre l'acidité actuelle et l'acidité potentielle du lait. Lait, 1928, **8**: 686; 795; 916.—**Vandevelde, J. J.** Les indicateurs et l'acidité totale et réelle du lait. Ibid., 1927, **7**: 140–9.

—— Adenine.

Kay, H. D., & Marshall, P. G. Phosphorus compounds of milk; presence of adenine nucleotide in milk. Biochem. J., Lond., 1928, **22**: 416–8.—**Voegtlin, C., & Sherwin, C. P.** Adenine and guanine in cow's milk. J. Biol. Chem., 1918, **33**: 145–9.

—— Albumin.

See **Milk protein,** Lactalbumin.

—— Alcohol.

Hänni, H. Untersuchung über das Vorkommen von Alkohol in Milch nach Verfütterung silierter Obsttrester. Mitt. Lebensmitteluntersuch., Bern, 1949, **40**: 119–24.

—— Amino acids.

See also **Milk casein; Milk protein.**

Rochat, R. *Contribution à l'étude d'une des réactions des α-amino-acides sur les glucides; coloration rouge vif que prend le lait additionné de soude caustique concentrée. 90p. 8° Lyon, 1934.

Amino-acids in milk. Lancet, Lond., 1937, **2**: 1499.—**Beach, E. F., Bernstein, S. S.** [et al.] Distribution of nitrogen and protein amino acids in human and in cow's milk. J. Biol. Chem., 1941, **139**: 57–63.—**Block, R. J., & Bolling, D.** The quantities of amino acids in the nonprotein fraction of breast and cow's milk. Arch. Biochem., Lanc., 1950, **25**: 350–3.—**Franco, E.** Ricerche sugli aminoacidi del latte in varie condizioni di esperimento. Riv. pat. sper., 1937, **18**: 157–63.—**Hodson, A. Z., & Krueger, G. M.** Essential amino acid content of casein and fresh and processed cow's milk as determined microbiologically on hydrolyzates. Arch. Biochem., N. Y., 1946, **10**: 55–64.—**Kuiken, K. A., & Pearson, P. B.** The essential amino acid (except tryptophan) content of colostrum and milk of the cow and ewe. J. Nutrit., 1949, **39**: 167–76.—**Nosu, S.** Kakusyu nyūzyū no yūri-amino-san ryō ni tuite [The amount of free amino acids in various kinds of milk] Zika zassi, 1931, 1379–87.—**Spirito, F.** Sul contenuto in aminoacidi del latte. Pediatria (Riv.) 1926, **34**: 921–9.

—— Ammonia and derivatives.

Burstein, A. I., & Frum, F. S. [Quantitative determination of ammonium salts in milk as a method of sanitary valuation of milk] Vopr. pitan., 1935, **4**: 98–108. Also Zschr. Untersuch. Lebensmitt., 1935, **69**: 421–31.—**Carrasco C., L.** Valoración del amonfaco en la leche. Rev. quím. farm., Santiago, 1944, **2**: No. 18, 2–11.—**Heller, J., & Swiechowska, W.** Sur l'ammoniaque du lait. Lait, 1939, **19**: 1009–16.—**Kluge, H.** Ueber die Beurteilung von Milch auf Grund des Ammoniakgehaltes. Zschr. Untersuch. Lebensmitt., 1936, **71**: 232–45.—**Niemczycki, S., & Gerhardt, K.** L'ammoniaque du lait et son dosage. Lait, 1936, **16**: 1049–61.—**Polonovski, M.** L'ammoniaque du lait de vache; sa signification en hygiène alimentaire; application au lait concentré sucré. Ibid., 232–4. ——— & **Boulanger, P.** L'ammoniaque du lait de femme et du lait de vache. Bull. Soc. chim. biol., Par., 1935, **17**: 1178–83. Also J. Pharm. chim., Par., 1935, 8. ser., **21**: 621.—**Sherman, H. C.** [et al.] Ammonia in milk and its development during proteolysis under the influence of strong antiseptics. J. Biol. Chem., 1907–08, **3**: 171–5.—**Trillat, A., & Sauton.** L'ammoniaque dans le lait; recherche et interprétation de sa présence. Ann. Inst. Pasteur, Par., 1905, **19**: 493–502. ——— Sur la présence de l'ammoniaque dans le lait de vache. C. rend. Soc. biol., 1905, **58**: 816–8.

—— Bromine and bromides.

Bellucci, I. Il contenuto di bromo nel latte. Atti Accad. fisiocr. Siena, 1937, 11 ser., **5**: 25–7.

—— Calcium.

See also **Milk nutrition,** Metabolic effect: Calcium.

Heitsch, K. Untersuchungen über den Kalkgehalt der Milch unter besonderer Berücksichtigung des Einflusses der Fütterung. 80p. 8° Zeulenroda, 1935.

Baier, E., & Neumann, P. Ueber den Nachweis und die Beurteilung von Zuckerkalkzusatz zu Milch und Rahm. Zschr. Untersuch. Nahrungsmitt., 1908, **16**: 51–63.—**Caló, A.** Microdeterminación del calcio en la leche. Rev. san., Caracas, 1945, **10**: 293–301. ——— El calcio en la leche humana y en la leche de vaca, en la ciudad de Maracaibo. Ibid., 303–8.—**Echenique, L.** Teneur élevée en calcium des chardons de Castille (Cynara cardunculus L.) et asnal (Silybum marianum L.); influence sur quelques propriétés du lait. C. rend. Soc. biol., Par., 1937, **124**: 589.—**Hess, A. F., & Benjamin, H. R.** Comparative analysis of forms of calcium and inorganic phosphorus in human and cow's milk. Proc. Soc. Exp. Biol., N. Y., 1933, **30**: 1358–61.—**Holtz, F.** Lässt sich der Kalziumgehalt der Frauenmilch erhöhen? Zschr. ges. inn. Med., 1946, **1**: 99–101.—**Ionized** calcium in milk. J. Am. M. Ass., 1940, **115**: 538.—**Lampitt, L. H., & Bushill, J. H.** Dialysis of milk; some factors affecting the distribution of calcium and phosphorus. Biochem. J., Lond., 1934, **28**: 1305–12. ——— & **Filmer, D. F.** Salt equilibrium with special reference to calcium, magnesium and phosphorus. Ibid., 1937, **31**: 1861–73.—**Pyne, G. T.** Rennet hysteresis and the calcium phosphate of milk. Ibid., 1945, **39**: 385–90. ——— & **Ryan, J. J.** On the colloidal calcium phosphate of milk. Sc. Proc. R. Dublin Soc., 1933, **20**: 471–6.—**Robinson, C. H., Hiynka, I.** [et al.] Calcium content of fluid milk. Canad. J. Pub. Health, 1947, **38**: 236–

9.—**Sanders, G. P.** The determination of the calcium, magnesium, and acid-soluble phosphorus of milk by means of trichloroacetic acid filtrates. J. Biol. Chem., 1931, **90**: 747–56.—**Sarzana, G.** Determinazione del calcio diffusibile del latte mediante la dialisi di compensazione. Boll. Soc. Ital. biol. sper., 1936, **11**: 266.—**Semmons, E. M., & McHenry, E. W.** Observations on the calcium content of cow's milk. Canad. J. Pub. Health, 1946, **37**: 22–5.—**Senze, A.** O roli wapnia w czynnościowych zaburzeniach gruczolu mlekowego. Med. wet., Warsz., 1949, **5**: 539–42.—**Sheehy, E. J., & Senior, B. J.** The effect of cod-liver oil feeding on the calcium and phosphorus content of cow's milk. Biochem. J., Lond., 1929, **23**: 898–901.—**Vladesco, R.** Contribution à l'étude du calcium du lait. Lait, 1939, **19**: 354–8.—**Weingärtner, L.** Untersuchungen über den Calcium- und Phosphorgehalt der rohen und erhitzten Frauen- und Kuhmilch sowie ihrer Ultrafiltrate. Mschr. Kinderh., 1939, **80**: 157–65.—**Zaykowsky, J.** Ueber den Einfluss des Calciums und der Phosphorsäure auf die Milch. Biochem. Zschr., 1926, **169**: 67–76.

—— Carbohydrates.

See also **Milk serum,** Refractometry; also **Galactose.**

Anderson, W. H. The detection of cane-sugar in milk and cream. Analyst, Lond., 1907, **32**: 87.—**Arkhangelsky, M. I.** Prigotovlenie sakharnykh sred iz moloka. Hig. & san., Moskva, 1947, **12**: No. 7, 42.—**Blood** sugar and lactose in milk. J. Am. M. Ass., 1936, **106**: 469.—**Cousin & Nguyên-van-Dinh.** Sur la recherche et le dosage du saccharose dans les laits. Ann. Ecole sup. méd. pharm. Indochine, 1939, **3**: 79–86.—**Defrance, P.** Le dosage du lactose et des albuminoïdes dans les laits autoclavés et dans les laits conservés par addition de bichromate de potasse. Ann. falsif., Par., 1919, **12**: 78.—**Génin, G.** L'utilisation du sérum; la fabrication du sucré de lait pur. Lait, 1941, **21**: 28–33.—**Granvigne, C.** L'extrait dégraissé délactosé et le rapport du lactose à l'extrait dégraissé. Ann. falsif., Par., 1919, **12**: 215–7.—**Heiman, B.** Novyj metod kolićestvennago opredelenija moločnago sakhara v moloke. J. Russ. obshch. okhran. narod. zdrav., S. Peterb., 1903, **13**: 240–4.—**Jørgensen, H. C., & Østergaard, P. S.** Examination of lactose content in normal milk; report from dairy laboratory. Aarsskr. Vet. Landbohøjsk., Kbh., 1939, 130–3.—**Lubin, B. O., & Zikina, L. I.** [Determination of saccharose and lactose in children's milk mixtures] Hig. & san., Moskva, 1945, **10**: No. 10, 29–33.—**Ohoka, M., & Itō, H.** Gyūnyū oyobi gyūnyū seihin-tyū no syotō no teiryō ni tuite [The quantitative determination of cane sugar in milk and in milk products] Nippon elsei kagakkai si, 1938, **10**: 1–9.—**Pictet, A., & Vogel, H.** Sur la synthése du sucre du lait. Lait, 1928, **8**: 684.—**Pros, E.** Mikrometoda ilościowego oznaczania cukru w mleku pokarmowem. Medycyna, 1932, 216.—**Scheicher, O.** Ueber die Beziehung zwischen Blutzucker und dem Milchzucker in der Milch des Rindes. Arch. wiss. prakt. Tierh., 1928, **58**: 527–37.—**Sundberg, T.** Beziehung zwischen Zuckergehalt, Chlorgehalt und Serumrefraktion der Milch. Zschr. Untersuch. Lebensmitt., 1931, **62**: 509–12.

—— Carbon dioxide and carbonates.

Barillé, A. Carbonodoseur ou appareil pour doser dans le lait de l'acide carbonique sous ses divers états. C. rend. Ass. fr. avance. sc. (1909) 1910, **38**: 335.—**Foschini, A., & Talenti, M.** Il contenuto in anidride carbonica del latte e sue variazioni a seguito del trasporto e dei più comuni trattamenti termici di risanamento. Ann. igiene, 1942, **52**: 69–75.—**Van Slyke, L. L., & Baker, J. C.** Carbonic acid and carbonates in cow's milk. J. Biol. Chem., 1919, **40**: 335–44.

—— Casein.

See **Milk casein.**

—— Chlorine and chlorides.

Ballarin, O. Cloretos no leite; sua função, importância e dosagem. Arq. brasil. nutr., 1949, **6**: 9–30.—**Barkworth, H.** The effect of small amounts of chlorine on the reduction time of milk. J. Hyg., Lond., 1942, **42**: 334–7.—**Barthe, L., & Dufilho, E.** Dosage du chlore et du sodium dans les laits et quelques femelles de mammifères. Lait, 1928, **8**: 97–9.—**Beckel, A.** Anwendung der Chlorbestimmung in Milch als Vorprobe auf Wässerung. Zschr. Untersuch. Lebensmitt., 1932, **64**: 144.—**Caulfield, W. J., & Riddell, W. H.** The chloride content of cows' milk. Cornell Vet., 1935, **25**: 333–43.—**D'Este, G.** Defecazione del latte e del sangue e possibilità di determinare il cloro nel filtrato tricloracetico; deduzione del coefficente di correzione. Boll. chim. farm., 1940, **79**: 153–60.—**Duron, P., & Fournier, A.** Note sur le dosage des chlorures dans les laits. Ann. falsif., Par., 1948, **41**: 537.—**Fleischhauer, G.** Ueber den Wert der Chlorofunk-Methode bei der Milchuntersuchung. Deut. tierärztl. Wschr., 1928, **36**: 542.—**Geyer, E., & Rotsch, A.** Mercurimetrische Chlorbestimmung in Milch. Zschr. Unters. Lebensmitt., 1933, **65**: 66–71.—**Gheriany, M. G., el-.** Results of chlorination of cholera-infected milk. Med. & Laborat. Progr., Cairo, 1947, **8**: 220.—**Guichard, F., & Nguyen Kim Kinh.** Dosage des chlorures dans les laits du Tonkin. Ann. méd. pharm. col., Par., 1936, **34**: 756–8. Also Bull. Soc. méd. chir., Hanoï, 1936, **14**: 448.—**Hoffmann, W.** Ueber den Gehalt der Milch an organischen Chlorverbindungen nach Behandlung der Kühe mit Hexachloraethan. Deut. tierärztl. Wschr., 1941, **49**: 527.—**Holm, G. C.** A field technique for the Hayden chloride test. Vet. Med., Chic., 1936, **31**: 292–5.—**Hunt, I. V.** The indigo-carmine reaction as a test for chlorates and hypochlorites in milk. Analyst, Lond., 1939, **64**: 653–7.—**Huruya, A.** Nyūzyū no enso teiryō-hō ni tuite [Method of quantitative determination of chlorine in milk] Hokuetu igakkai zassi, 1925, **40**: 1–8.—**Husband, A. D., & Godden, W.** A note on the estimation of chlorine in milk. Biochem. J., Lond., 1927, **21**: 259–61.—**Jones, T. S., & Davies, W. L.** The relation of sodium to chlorine in the milk of Shorthorn and Guernsey cows. Ibid., 1935, **29**: 978–81.—**Lobstein, E., & Wallart, J.** Les laits du Sundgau; recherches sur les variations du taux des chlorures et la présence des nitrates. Lait, 1927, **7**: 835–43.—**Mach, F., & Lepper, W.** Zur Chlorbestimmung in der Milch. Zschr. Untersuch. Lebensmitt., 1927, **53**: 454–8.—**Massot, A., & Lestra, H.** Le dosage des chlorures dans les laits. Bull. sc. pharm., Par., 1935, **42**: 423–6. Also Lait, 1936, **16**: 723–5.—**Messner, E.** Estudio comparativo de los métodos de dosificación de los cloruros en la leche. An. Fac. vet., Montev., 1938, No. 4, 325–31.—**Neseni, R.** Die Bestimmung des Chlorgehaltes der Milch. Zschr. Fleisch Milchhyg., 1927–28, **38**: 343.—**Neue** (Eine) Schnellmethode zur Erkennung fehlerhafter und krankhaft veränderter Milch, Schulzes Milchchlorprober Chlorofunk. Ibid., 1926–27, **37**: 421.—**Pérez de Albéniz y Donnadiéu, L.** Clorurometría de la leche. Resum. Congr. hisp. portug. farm., 1948, 1. Congr., 32.—**Péronnet, M.** Dosage volumétrique des chlorures dans les laits bichromatés. Ann. pharm. fr., 1949, **7**: 212–5.—**Porcher, C.** Du chlorure de sodium dans le lait. Rev. gén. lait, 1905–06, **5**: 173; 193. ——— De la présence et du rôle du chlorure de sodium dans le lait. C. rend. Soc. biol., 1906, **60**: 19–21.—**Rohmann, C.** Ueber die potentiometrische Chlorbestimmung in Milch. Zschr. Untersuch. Lebensmitt., 1928, **55**: 580–90.—**Rupp, P.** Investigación de hipocloritos y cloraminas en la leche y en la crema (transl.) Crón. méd. quir. Habana, 1936, **62**: 291–7.—**Sundberg, T.** Ueber elektrometrische Chlorbestimmung in der Milch. Zschr. Untersuch. Lebensmitt., 1928, **56**: 32–8.—**Vladesco, R.** Le dosage des chlorures par microsédimentation; application au lait. Lait, 1941, **21**: 233–6.

—— Cholesterol.

See under **Milk fat.**

—— Choline.

Hodson, A. Z. The use of Neurospora for the determination of choline and biotin in milk products. J. Biol. Chem., 1945, **157**: 383–5.—**Kahane, E., & Lévy, J.** Blochimie de la choline et de ses dérivés; substances choliniques du lait. Bull. Soc. chim. biol., Par., 1945, **27**: 72–7. ——— Sur les principes choliniques du lait et sur leur répartition entre les globules gras et le plasma. C. rend. Acad. sc., 1945, **220**: 97–9. ——— Les substances choliniques du lait. Lait, 1945, **25**: 193–223.—**Müller, H.** Ueber das Vorkommen des Cholins und Methylguanidins in der Milch. Zschr. Biol., 1926, **84**: 553–6.—**Vaubel, W.** Die Bedeutung des Cholins in der Sommer- und Wintermilch. Deut. med. Wschr., 1928, **54**: 1971.

—— Citric acid.

See also **Milk modification,** Citrated milk; **Milk vitamin.**

Desmoulière, E. *Etude sur le dosage de l'acide citrique dans le lait. 80p. 8° Par., 1910.

Arup, P. S. Citric acid determinations in milk and milk products. Analyst, Lond., 1938, **63**: 635–40.—**Baumgärtel, T.** Ueber den Citronensäuregehalt der Milch. Mschr. Kinderh., 1938, **73**: 353–7.—**Fossatti, T. C.** Contribución a la valoración del ácido cítrico en la leche. Rev. Fac. cienc. quím. (La Plata) 1942, **17**: 239–45.—**Kieferle, F., Schwaibold, J., & Hackmann, C.** Der Gehalt der Kuhmilch an Citronensäure und dessen Beziehungen zur Chlorzuckerzahl als Kriterium für normale beziehungsweise anormale Milch. Zschr. physiol. Chem., 1925, **145**: 18–36.

—— Colloids.

See also **Milk chemistry,** Colloid chemistry.

Guiffrè, M. Contributo alla conoscenza della costituzione colloidale del latte. Monit. zool. ital., 1932, **42**: Suppl., 216.—**Mouriquand, G., & Russo, P.** Etude comparative de quelques laits au point de vue de leur teneur en colloïdes visibles au microscope par l'éclairage latéral sur fond sombre; expllcation de leurs différences de digestibilité. Bull. Soc. méd. hôp. Lyon, 1910, **9**: 220–5. Also Lyon méd., 1910, **115**: 83–7.

—— Copper.

Beck, A. B. Studies on the copper content of the milk of sheep and of cows. Austral. J. Exp. Biol., 1941, **19**: 145–50.—**Beckel, A.** Das Kupferserum der Milch. Zschr. Untersuch. Lebensmitt., 1931, **62**: 170–98.—**Broek, A., & Wolff, L. K.** The quantity of Cu, Zn and Mn in cow's milk. Acta brevia neerl., 1935, **5**: 80.—**Kii, Y. T.** Dō no seikagaku-teki kenkyū; nyūzyū no dō oyobi tetu gan-yū-ryō ni tuite [Biological studies on copper; on the copper and iron content of milk]

Keiō igaku, 1936, **16**: 785–91.—**Lesné, Zizine & Briskas.** Le cuivre dans le lait de femme et dans le lait de certaines espèces animales. Bull. Soc. pédiat. Paris, 1936, **34**: 569–76. Also Rev. path. comp., Par., 1936, **36**: 1369–80.—**Remy, E.** Zur Frage des Kupfergehaltes der Milch und einiger Milchpräparate. Zschr. Unters. Lebensmitt., 1932, **64**: 545–8.—**Zbinden, C.** Applicatlon d'une nouvelle méthode du micro-dosage du cuivre dans le lait. Lait, 1932, **12**: 481–9.—**Zondek, S. G., & Bandmann, M.** Kupfer in Frauenmilch und Kuhmilch. Klin. Wschr., 1931, **10**: 1528–31.

—— Determination.

Jona, T. Nuovo metodo di dosaggio del lattosio e del grasso nel latte. Boll. Soc. med. chir. Pavia, 1910, **24**: 178–84.—**Torrisi, D.** Micrometodo per il dosaggio delle diverse frazioni di fosforo e dei lipidi nel latte. Boll. Soc. ital. biol. sper., 1934, **9**: 1011–3.

—— Dry substance.

See subheading (Solids; Total solids)

—— Effect of external agents.

See also **Milk modification,** Irradiated milk.

Buruiană, L. The action of sunlight on milk. Biochem. J., Lond., 1937, **31**: 1452–8.—**Gehrke, C. W., & Almy, E. F.** The action of mineral-ion exchange resins on certain milk constituents. Science, 1949, **110**: 556–8.—**Houssay, B. A., & Negrete, J.** Acción de los venenos de serpientes sobre los hidrocarbonados, las grasas y la leche. Rev. Inst. bact. Dep. nac. hig., B. Air., 1918, **1**: 173–94.—**Krüger, F.** Ueber eine eigentümliche Veränderung der Milch durch Natron- resp. Kalilauge. Zschr. physiol. Chem., 1906–07, **50**: 293–302.—**Martini, E.** Die Wirkung des Lichtes auf das Oxydations-Reduktionspotential der Milch. Biochem. Zschr., 1933, **260**: 153–60.—**Römer & Much.** Milch unter dem Einfluss des Lichtes. Sitzber. Naturwiss. Marburg (1906) 1907, 101–20.—**Segale, M.** Sull'arrossamento del latte in presenza di NaOH. Boll. Accad. med. Genova, 1912, **27**: 105–14.—**Vandevelde, A. J. J.** L'action des halogènes sur le lait et sur ses constituants. Lait, 1928, **8**: 495–500.—**Whitehead, H. R.** The influence of sunlight on milk. Biochem. J., Lond., 1931, **25**: 1647–52. Also Rev. hig. san. pecuar., Madr., 1931, **21**: 694.

—— Fat.

See **Milk fat.**

—— Fatty acids.

See **Milk fat,** Composition.

—— Hormones.

See also **Milk secretion,** Endocrine aspect.

Konsuloff, S. Der Uebergang von Hormonen in die Milch. Endokrinologie, 1935, **16**: 237–40.—**Weisman, A. I., Kleiner, I. S., & Allen, E.** Cows' milk as a possible excretory source of the anterior pituitary-like hormone. Endocrinology, 1935, **19**: 395–7.

—— Indican.

Hervieux, C. Recherche de l'indoxyle (indican) dans les laits de vache et de chèvre. C. rend. Acad. sc., 1931, **193**: 1480–2. ——— La réaction de Jolles (indican) appliquée au lait. Ibid., 1932, **194**: 1603.—**Sato, M., & Murata, K.** Nyūzyū-nai indican, bilirubin no kensyutu hōhō narabi-ni sono sonzai ni tuite [Methods of detecting, and the existence of, indican and bilirubin in milk] Nippon eisei kagakkai si, 1936, **8**: 398–401.

—— Iodine.

Fellenberg, T. v. Le dosage de l'iode dans le lait. Lait, 1930, **10**: 986–9.—**Hoehn, H.** Die Jod-Eiweiss-Bindung bei Milch gesunder Tiere. Münch. tierärztl. Wschr., 1935, **86**: 49–55.—**Kieferle, F.** Ueber den Jodgehalt der Milch und seine Abhängigkeit von dem Jodgehalt der Futterpflanzen und des Erdbodens, sowie die Beziehungen zum Kropf. Naturwissenschaften, 1928, **16**: 957–62.—**Yamasiro, K.** Nyūzyū oyobi gyūnyū kakō-hin no yōdo-san-ne ni tuite [On the iodic acid value of milk and processed milk products] Mitt. Med. Ges. Osaka, 1934, **33**: 777–86.

—— Iron.

See also **Milk bacteria,** iron-producing.

Dahl, S. Jernindholdet i komaelk. Nord. hyg. tskr., 1944, **25**: 114–8.—**Edelstein, F.** Eisengehalt der Kuhmilch. Verh. Ges. deut. Naturforsch., (1911) 1912, **83**: 2. T., 2. Hälfte, 479.—**Henriques, V., & Roche, A.** La teneur en fer du lait peut-elle augmenter sous l'influence d'ingestion ou d'injection de sel de fer? Bull. Soc. chim. biol., Par., 1929, **11**: 679–92.—**Isizawa, T., & Tomita, N.** Nyūsyū-nai tetu biryō-teiryō-hō ni tuite [Microdetermination of iron in milk] Keiō igaku, 1934, **14**: 871–86. Also Nippon seikagakkai kaiho, 1934–35, **9**: 42.—**Johnston, F. A.** Iron content of market milk. Food Res., 1944, **9**: 212–7. ——— **Gellman, N., & Strom, J.** Methods for determining the iron content of milk. J. Biol. Chem., 1948, **175**: 343–7.—**Kanamori, S.** Gyūnyū oyobi gyūnyū seihin no tetu-ryō [The iron content of cow's milk and foods manufactured from cow's milk] Nagoya igakkai zassi, 1940, **51**: 979–95.—**Lesné, E., Clément, R., & Zizine, P.** Sur la teneur en fer du lait de femme et du lait de certains mammifères (anesse, chèvre, vache) Bull. Soc. chim. biol., Par., 1930, **12**: 1410–3. Also Lait, 1931, **11**: 355–8.—**Plumier, M.** Le fer dans le lait de femme et de vache. C. rend. Soc. biol., 1946, **140**: 680.—**Soxhlet, F. v., Langstein, L., & Edelstein, F.** Ueber den Eisengehalt der Frauen- und Kuhmilch. Münch. med. Wschr., 1912, **59**: 1717.—**Wallgren, A.** On the iron content in milk. Acta paediat., Upps., 1931–32, **12**: 153–69.

—— Lead.

Nosu, S., Kawamura, R. [et al.] Gyūnyū oyobi gyūnyū kakōhin (hunnyū, rennyū) no iwayuru seizyō-en ni tuite; hu, zinnyū gan-en-ryō to no hikaku [The so-called normal lead in cow's milk and processed products of cow's milk (milk powder, condensed milk); Suppl., comparison with the lead content of human milk] Zika zassi, 1935, 1323–6. Also Jahrb. Kinderh., 1936, **147**: 357–9.

—— Lecithin.

See with **Milk fat.**

—— Magnesium.

See also **Milk nutrition,** Pathological effect.

Day, H. G., & Orent-Keiles, E. Adequacy of cow milk as a source of magnesium for rats. Proc. Soc. Exp. Biol., N. Y., 1939, **40**: 638–40. **Nordbö, R.** The concentration of ionized magnesium and calcium in milk. J. Biol. Chem., 1939, **128**: 745–57.—**Pyne, G. T.** The micro-determination of calcium and magnesium in milk. Analyst, Lond., 1943, **68**: 330.

—— Manganese.

Kemmerer, A. R., & Todd, W. R. The effect of diet on the manganese content of milk. J. Biol. Chem., 1931, **44**: 317–21.—**Wolff, L. K.** [Contents of Cu, Zn and Mn in cow milk] Ned. tschr. geneesk., 1935, **79**: 3799–802.

—— Mineral.

BURLET, J. *Contribution à l'étude minérale du lait de vache. 103p. 8° Lyon, 1934.

Génin, G. Le réglage de la teneur en sels du lait au moyen d'un traitement par échange de bases. Lait, 1934, **14**: 950–4.—**Hermano, A. J., & Claravall, S.** Mineral constituents in fresh and canned milk. Philippine J. Sc., 1935, **57**: 323–8. Also Bull. Nat. Res. Counc. Philippine Islands, 1937, No. 12, 134.—**Leyton G., C.** Contenido mineral de la leche y el queso de la producción nacional y de la relación de este con el forraje y el suelo. Bol. Soc. quím. Perú, 1946, **12**: 106–13.—**Pfyl, B., & Samter, W.** Ueber die Alkalität der Asche von Lebensmitteln; die Alkalitätswerte von Milch und Milchserum; gleichzeitige Bestimmung anderer Mineralbestandteile. Zschr. Untersuch. Nahrungsmitt., 1924, **48**: 325–63.—**Steffen, F.** Ueber den Salzgehalt von Milch, Colostrum und Galle. Schweiz. med. Wschr., 1931, **61**: 204.—**Vuk, M., & Sándor, Z.** Aenderung des Natriumgehaltes der Milch einiger Säugetiere während der Lactationsperiode. Zschr. Untersuch. Lebensmitt., 1938, **75**: 312–6.

—— Nitrogen and combinations.

Colobraro, V., & Valenciano, O. A. Fracciones nitrogenadas de la leche; método para su determinación. Rev. As. bioquím. argent., 1948, **15**: 201–8.—**Dosage** de quelques combinaisons azotées dans le lait par la méthode au micro-Kjeldahl. Bull. san. pub., Brux., 1949, **11**: 67–9.—**Engel, S., & Dennemark, L.** Ueber den Uebergang des Kolostrums in die Milch, insbesondere über das Verhalten der stickstoffhaltigen Körper (Kuh, Schaf, Stute.) Zschr. physiol. Chem., 1911–12, **75**: 148–58.—**Kahn, M., & Goodridge, F. G.** A non-protein, colloidal, nitrogenous substance in milk. Biochem. Bull., 1912–13, **2**: 178 [Abstr.]—**Leroy, A. M.** Une méthode rapide de dosage des matières azotées totales dans le lait à l'usage des contrôleurs laitiers. Lait, 1937, **17**: 230–5.—**McFadden, G. H., & Weiser, H. H.** A method for determining the action of certain organisms on nitrogen distribution in milk. Am. J. Pharm., 1938, **110**: 154–8.—**Neseni, R., & Hinke, F.** Der klinisch-chemische Nachweis von Verschiebungen im Stickstoffverhältnis in der Kuhmilch. Zschr. Fleisch Milchhyg., 1934–35, **45**: 342–8.—**Noguera Gómez, E.** El nitrógeno amoniacal y el nitrógeno uréico en las leches de Caracas. Bol. Min. san., Caracas, 1938, **2**: 1495–506.—**Scott, L. D.** Rapid methods for the quantitative determination of total protein and non-protein nitrogen in human and cow's milk. Biochem. J., Lond., 1934, **28**: 1193–7.—**Venuti, A.** Ricerche sperimentali sulla composizione di alcuni latti animali, con particolare riguardo alle sostanze azotate. Riv. clin. pediat., 1929, **27**: 643–54.

—— Nucleic acid.

See also **Milk casein; Milk protein.**

Mandel, J. A. Ueber die Analyse der Spaltungsprodukte des Nukleoproteides der Milchdrüse. C. rend. Congr. internat.

méd., 1910, 16. Congr., Sect. 2, Physiol., 179–82.—**Mandel, P., & Bieth, R.** Acide nucléique du lait. C. rend. Soc. biol., 1948. **142:** 234.

—— Oxalic acid.

Frola, G. Ricerche sull'acido ossalico del latte. Riv. clin. pediat., 1937, **35:** 919–35.

—— Phospholipids.

See with **Milk fat.**

—— Phosphorus and compounds.

Acharya, B. N., & Devadatta, S. C. A note on the different types of phosphorus compounds in milk. Proc. Soc. Biol. Chemists, Bangalore, 1936–37, **2:** 8.—**Bomskov, C.** Ueber organische Phosphorverbindungen in Kuh- und Frauenmilch. Zschr. Kinderh., 1932, **53:** 527–39. ——— Ueber die Phosphorverbindungen der Milch. Ibid., 1932–33, **54:** 779.—**Borsarelli.** Nota intorno alla composizione delle ceneri di latte ed alla quantità di fosforo che possono contenere. Gior. farm. chim., Tor., 1866, **15:** 23–46.—**Bigando, J., Champ & Closson.** Les phosphates de calcium du lait. Lait, 1935, **15:** 382–6.—**Chanda, R., & Owen, E. C.** The effects of thyrosine and thiouracil on the secretion of the phosphorus compounds normally present in milk. Biochem. J., Lond., 1949, **44:** Suppl., p. xxix.—**De Toni, G., & Graf, G.** Ricerche sul fosforo estere del latte di donna, di mucca e di capra. Boll. Soc. ital. biol. sper., 1938, **13:** 816–8. Also Zschr. Kinderh., 1938–39, **60:** 74–6. ——— Ricerche sul fosforo organico del latte; nozioni generali sul fosforo organico del latte in genere e sulla presenza di fosfatasi nel latte. Riv. clin. pediat., 1938, **36:** 289–303. ——— Il fosforo estere del latte di donna; sua idrolisi enzimatica ed acida. Ibid., 304–18. ——— Il fosforo estere del latte di mucca e del latte di capra, sua idrolisi enzimatica ed acida. Ibid., 673–84.—**Hennaux, L.** Taux des phosphates dans les laits normaux et pathologiques. Acta biol. belg., 1943–45, **3:** 175.—**Henrici, M.** Phosphorgehalt in Kuh- und Frauenmilch. Schweiz. med. Wschr., 1929, **59:** 521.—**Kling, A., & Lassieur, A.** La détermination de l'acide phosphorique des laits et son application à la recherche du mouillage. Ann. falsif., Par., 1923, **16:** 141–6; Disc., 69.—**Lampitt, L. H., & Bushill, J. H.** The dialysis of milk; the distribution of phosphorus. Biochem. J., Lond., 1933, **27:** 711–22.—**Lenstrup, E.** The phosphorus content of human milk and cow's milk. J. Biol. Chem., 1926, **70:** 193–202.—**Mai.** Ueber die Phosphorverbindungen in der Milch. Mschr. Kinderh., 1931–32, **51:** 391.—**Peña, A.** Dosage colorimétrique des phosphates dans le lait. Lait, 1931, **11:** 942–5.—**Pyne, G. T.** The colloidal phosphate of milk. Biochem. J., Lond., 1934, **28:** 940–8. ——— A simple titrametric method for the approximate determination of milk phosphates. Sc. Proc. R. Dublin Soc., 1934–35, **21:** 223–9.—**Rimington, C., & Davenport, H.** Some phosphorus compounds of milk; the liberation of phosphorus from caseinogen by enzymes and other agents. Biochem. J. Lond., 1926, **20:** 777–90.—**Steffen, F., & Süllmann, H.** Ueber Unterschiede im Schwefel- und Phosphorgehalt von Frauen- und Kuhmilch. Schweiz. med. Wschr., 1931, **61:** 1114–6.—**Takagi, K.** Kato nyūzyū-tyū no rinsan kagōbutu ni tuite [Ueber die Phosphorverbindungen in Kaninchenmilch] Kyōto huritu ika daigaku zassi, 1937, **19:** 388–94.—**Torrisi, D.** Procedimento semiminimetrico per il dosaggio sistematico delle diverse frazioni del fosforo e dei lipidi nel latte. Arch. sc. biol., Bologna, 1936, **22:** 471–502.—**Vladesco, R.** Adaptation de la méthode de Copaux au dosage de l'acide phosphorique du lait et ses applications. C. rend. Soc. biol., 1927, **96:** 1025–7.—**Wardlaw, H. S. H.** On the diffusible phosphorus of cow's milk. Repr. Papers Sc. laborat., Univ. Sydney, 1909–16, B, **2:** 253–66.

—— Pigments.

Lundborg, M. Ueber Farbstoffe der Milch. Biochem. Zschr., 1931, **231:** 274–89.—**Murata, K.** Gyūnyū no sikiso; sibō-yō-sei sikiso [The pigments of milk; fat-soluble pigments] Nippon eisei kagakkai si, 1937, **9:** 117–21. ——— Suiyō-sei sikiso [The water-soluble pigments] Ibid., 212–7.—**Porcher, C.** Sur le passage possible des chromogènes indoxyliques et méthylkétolique dans le lait chez la chèvre. C. rend. Soc. biol., 1907, **63:** 468–71.

—— Solids-non-fat.

See also subheading (Total solids) also **Milk adulteration,** Detection.

Anselmi, S. Il residuo magro secco ed altri indici analitici del latte quali elementi per il guidizio di annacquamento in rapporto alle disposizioni legislative. Rendic. Ist. san. pubb., Roma, 1940, **3:** 847–93.—**Cini, M.** Sul residuo magro del latte determinato per via indiretta con la formula di Fleischmann. Boll. chim. farm., 1933, **72:** 685–7.—**Elsdon, G. D., & Stubbs, J. R.** The refraction of milks low in solids-not-fat. Analyst, Lond., 1929, **54:** 318–20.—**Ottiker, A.** Der Wert der Fett- und zuckerfreien Trockensubstanz für die Beurteilung der Milch. Schweiz. Apoth. Ztg, 1919, **57:** 121–4.—**Porcher, C.** La quasi-fixité de l'extralt dégraissé du lait chez un animal pendant plusieurs mois consécutifs. Ann. falsif., Par., 1920, **13:** 78–84, 2 tab.—**Rangappa, K. S.** Refractive index and refractive constant of milk low in solids-not-fat. Current Sc., Bangalore, 1946, **15:** 288.—**Reiss, F.** Die Berechnung der fettfreien Milchtrockensubstanz. Zschr. Fleisch Milchhyg., 1925–26, **36:** 161.

—— Sulfur and compounds.

Bosio, P. Lo zolfo nel latte di donna e di mucca dosato nelle sue frazioni. Riv. clin. pediat., 1929, **27:** 364–72.—**Grossfeld, J., & Young Yen, M. H.** Zur Bestimmung des Sulfatgehaltes von Milch. Zschr. Untersuch. Lebensmitt., 1941, **82:** 489–97.—**Hirschstein, L.** Ueber die Beziehungen des Schwefels zum Stickstoff in Nahrungsmitteln mit besonderer Berücksichtigung der Frauen- und Kuhmilch. Zschr. phys. diät. Ther., 1912, **16:** 705–10. Also Verh. Ges. deut. Naturforsch., 2. T., 2. Hälfte, 85.—**Hutchinson, R. C.** The sulphur content of milk. Med. J. Australia, 1941, **1:** 229–31.—**Lucca, A., & Lagani, G.** Ricerche sul solfo nel latte. Pediat. med. prat., Tor., 1934, **9:** 693–8.—**Révol, L., & Paccard, R.** Sur le soufre total du lait (lait de femme et lait de vache) C. rend. Soc. biol., 1937, **126:** 25.—**Tillmans, J., & Sutthoff, W.** Präformierte Schwefelsäure in der Milch. Zschr. Untersuch. Nahrungsmitt., 1910, **20:** 49–63.

—— Total solids.

See also subheading (Solids-non-fat)

Bonham, A. R. A comparison of methods for the determination of milk solids. Canad. Pub. Health J., 1933, **24:** 295–8.—**Bouin & Gobert, P.** A propos du calcul de l'extrait dans les analyses de lait. C. rend. Soc. biol., 1907, **62:** 421. ——— A propos du calcul de l'extrait sec du lait et de la formule de M. A. Leys. Rev. gén. lait, 1906–07, **6:** 409–13.—**Desai, C. M., & Patel, A. H.** Determination of total solids in milk. Current Sc., Bangalore, 1945, **14:** 203.—**Giribaldo, D., & Peluffo, A.** Détermination indirecte de l'extrait du lait de vache; origine et fondements des formules qui servent a en faire le calcul; manière de les déduire; formules dérivées. Monit. scient., Par., 1909, 4. ser., **23:** 489–99.—**Golding, J.** The use of the air-damped balance for the determination of total solids in milk. Analyst, Lond., 1934, **59:** 468–74.—**Gronover, A., & Türk, F.** Ist die fettfreie Trockenmasse der Milch von ausschlaggebender Bedeutung zur Erkennung einer gewässerten Milch? Zschr. Untersuch. Lebensmitt., 1927, **53:** 520–4.—**Klamer, I. C. E.** Ist die fettfreie Trockenmasse von ausschlaggebender Bedeutung zur Erkennung einer gewässerten Milch? Ibid., 1928, **55:** 45–7.—**Jochelson, D.** [Vereinfachtes Verfahren zur Bestimmung der Trockensubstanz und des Fettgehalts in der Milch] Vopr. pitan., 1935, **4:** No. 5, 111–5.—**Leys, A.** Calcul de l'extrait sec du lait. Rev. gén. lait, 1906–07, **6:** 303–5.—**Mezger, O.** Ist die Berechnung der Trockensubstanz bei Milch für gerichtliche Fälle ungültig? Molkereiztg, 1910, **20:** 133; 145.—**Müller-Hoessli, E.** Die Berechnung der Milchtrockensubstanz. Mitt. Lebensmitteluntersuch., Bern, 1943, **34:** 374–6. Also Lait, 1944, **24:** 310–2.—**Saar, R.** Beiträge zur Errechnung der Milchtrockensubstanz. Zschr. Untersuch. Lebensmitt., 1928, **55:** 573–7.—**Shaw, R. N., & Eckles, C. N.** The estimation of total solids in milk by use of formulas. Bull. U. S. Bur. Anim. Indust., 1911, No. 134, 5–31.

—— Tryptophan.

Imai, S. Tryptophan teiryō-hō narabi-ni nyūzyū no Tryptophan gan-yūryō ni tuite [A method of quantitative determination of tryptophan and the tryptophan content of milk] Zyūzenkai zassi, 1926, **31:** 1371–95.

—— Vitamins.

See **Milk vitamin.**

—— Zinc.

Bertrand, G., & Beauzemont, Y. Sur les variations de la teneur en zinc des animaux avec l'âge; influence du régime lacté. Ann. Inst. Pasteur, Par., 1930, **65:** 247–50.

MILK consumption [incl. demand]

See also **Milk marketing; Milk supply.**

HEINRICH, J. *Considérations sur le développement de la consommation du lait. 79p. 24½cm. Marseille, 1935.

Revis, C., & Partridge, W. The fallacy of milk statistics. San. Rec., Lond., 1907, n. ser., **39:** 347.—**Wilkinson, R. A.** Wanted: more milk. Atlantic Month., 1941, Jan., 64–70.

—— Africa.

Barrett, R. E. An enquiry into diet and nutrition amongst Indian school children in Kampala with special reference to the consumption of milk. East Afr. M. J., 1937–38, **14:** 199–208.—**South** Africa drinks more milk. Nurs. Times, Lond., 1939, **35:** 421.

—— America.

Escudero, P., Pierangeli, E., & Rothman, B. Sobre el requerimiento de leche y su consumo global en la República Argentina. Rev. As. argent. diet., 1946, **4:** 3–5.—**Hopper, W. C.** Consumption of milk in Canada. Canad. Pub. Health J., 1941, **32:** 147–53.—**Kitching, J. S.** Milk consumption in the Vancouver metropolitan area. Ibid., 154–7.—**Pluchon, J. P., &**

Rose-Rosette, R. Etude sur le lait consommé à la Martinique. Méd. trop., Marseille, 1941, **1**: 235–53.—**Rocha Fernandes, J.** Dados analíticos referentes aos leites de consumo da cidade de Porto Alegre. Rev. aliment., Rio, 1945, **9**: No. 2, 7–10.

—— America: United States.

Abbott, O. D. The need of milk in the South. J. Milk Techn., 1940, **3**: 354–6.—**Adolph, D.** Milk consumption among children of Massachusetts. Commonhealth, Bost., 1938, **25**: 330–2.—**Arnold, L.** What should be the per capita per day milk consumption of our population? Am. J. Digest. Dis., 1935–36, **2**: 416–21.—**Blanford, C. J.** The demand for milk and cream as revealed by consumer purchases at retail food stores in New York City. Nutrlt. Abstr., Aberdeen, 1942–43, **12**: 287 (Abstr.)—**Egbert, S.** Significant aspects of a recent official survey concerning the household use of milk in Philadelphia. Am. J. Pub. Health, 1935, **25**: 789–95.—**Family** consumption of milk In the United States. Labor Inform. Bull., Wash., 1936, **3**: No. 11, 13.—**Jones, C. H.** The present needs of the milk supply of Baltimore. Charities, N. Y., 1906, **16**: 499–502 [Abstr.]—**Leach, C. N., & Frank, L. C.** Milk consumption in eighteen small Alabama communities. Pub. Health Rep., Wash., 1928, **43**: 2955–7.—**Milk** consumption in Hartford. Annual Rep. Bd Health Hartford, 1940, **56**: 54.—**Spencer, L., & Blanford, C. J.** Changes in demand for milk, cream, and evaporated milk in the New York metropolitan area. Annual Rep. N. York Coll. Agr., 1941, **54**: 76.

—— Asia.

Malaviya. Milk, the perfect food, but every Indian gets only 6 ounces a day. Ind. Vet. J., 1941–42, **18**: 179–81.

—— Europe.

LEIGHTON, G. R., & MCKINLAY, P. L. Milk consumption and the growth of school children; report on an investigation in Lanarkshire schools. 20p. 24½cm. Edinb., 1930.

Bransby, E. R. An investigation into the consumer-demand for milk in the city of Leeds. Med. Off., Lond., 1938, **60**: 71; 127.—**Burns, C. M.** A study of the milk consumption in 1,000 families in county Durham. J. State M., Lond., 1933, **41**: 414–32.—**Constantinescu, G. K.** [Milk; production and consumption] In: Probl. san. pop. rurale Romania, Bucur., 1940, 387–97.—**Cramer, W.** Requirements of the population in milk-fat, and the available supply. Lancet, Lond., 1927, **2**: 774–7.—**Gompf, A.** Zur Frage einer Reichs-Milchstatistik. Zschr. Untersuch. Lebensmitt., 1928, **56**: 203–5.—**Hösslin, H. v.** Milch als Nahrungsmittel und unser Milchverbrauch. Med. Welt, 1933, **7**: 1531–4.—**Holitscher, A.** Der Alkohol- und Milchverbrauch in den Kranken- und Irrenhäusern des deutschen Sprachgebietes. Proc. Internat. Congr. Alcohol., 1909, 12. Congr., 285–9.—**Jessop, W. J. E., Mowbray, J., & Dockeray, G. C.** Dublin's milk needs. J. M. Ass. Eire, 1945, **17**: 124–7.—**Kněz, V.** Zvyšme u nás spotřebu mléka! Vyživa lidu, 1948, **3**: 180.—**Larbalétrier, A.** La consommation du lait à Paris. Nature, Par., 1882–83, **11**: 291.—**La Rosa, G.** L'alimentazione lattea nei grandi e piccoli centri della Sicilia. Riv. san. sicil., 1932, **20**: 911–7.—**Leighton, G.** El consumo de leche y el crecimiento de los escolares; una investigación en los escolares escoceses. Rev. hig. san. pecuar., Madr., 1931, **21**: 702.—**Maulaz, L.** La consommation du lait dans les écoles de Vevey, Suisse. Lait, 1929, **9**: 74–7.—**Pelc, H.** La production et la consommation du lait dans le district de Ceský Brod au point de vue de l'hygiène. Tr. Inst. hyg. pub. tchéc., 1934, **5**: 39–82.—**Rambault.** Sur l'alimentation en lait de la ville de Milan (Italie). Rev. hyg., Par., 1934, **56**: 348–59.—**Smithard, E. H. R.** A study of milk consumption in an outer London suburb. Lancet, Lond., 1936, **1**: 235–7.—**Tej,** tejtermékek és tojás, mint fehérjeforrások a budapesti családok táplálkozásában. Statiszt. ért., 1942, 209–12.—**Vandevelde, A. J. J., & Neirynck, R.** La question du lait à Gand pendant la guerre 1914–18. J. pharm. Belgique, 1920, **2**: 581; passim.

MILK container.

See also other main headings on **Milk: M. bottle; M. can; M. care; M. plant; M. transportation.**

Barthélemi, G. L'obturation des cruchcs, pots, bidons à lait. Lait, 1936, **16**: 705–11.—**Sanborn, J. R.** Single service containers for distribution of fluid milk. J. Am. Vet. M. Ass., 1942, **101**: 477–80. ——— & **Breed, R. S.** Single service containers for milk and milk products. Certif. Milk, 1939, **14**: No. 154, 7–9.—**Sanitary** aspects of packaging milk and milk products. Am. J. Pub. Health, 1940, **30**: No. 2, Suppl., 84–9.—**Tobey, J. A.** Containers for milk. In his Public Health Law, 3. ed., N. Y., 1947, 195.

—— Cleansing.

Brooke, M. S. A bacteriological investigation into the cleansing of milk bottles. Glasgow M. J., 1948, **29**: 402–8.—**Hobbs, B. C., & Wilson, G. S.** The cleaning and sterilization of milk bottles. J. Hyg., Lond., 1943–44, **43**: 96–120.—**Natvig, H.** Rengjøringen av melkeflasker. Nord. hyg. tskr., 1944, **25**: 140–50, illust.—**Shere, L.** How to prevent and remove milk deposits. Food Indust., 1942, **14**: No. 6, 44; passim.—**Use** of single-service containers for delivery of milk [Illinois] Pub. Health Rep., Wash., 1944, **59**: 1037–9.

—— Corrosion.

Fink, C. G., & Bohrman, F. A. La corrosion des métaux par le lait. Lait, 1935, **15**: 28–36.

—— Examination.

Foord, D. C., Crane, C. L., & Clark, B. S. Significance of adequate controls in absolute sterility determinations. Food Res., 1943, **8**: 489–95.—**Mudge, C. S., & Foord, D. C.** Needle puncture method for determination of the bacterial contamination of paraffined milk containers. Am. J. Pub. Health, 1940, **30**: 273–7.—**Thomas, S. B., & Jenkins, E.** The comparative sterility of milk bottles and milk cartons. Bull. Hyg., Lond., 1942, **17**: 420 (Abstr.)

—— Pail.

Caserio, E. Ueber den Verlauf der gesamten Aciditätsveränderung und des pH der in verschiedenen Metallgefässen enthaltenen Milch. Zschr. Untersuch. Lebensmitt., 1934, **67**: 587–97.—**Hunziker, O. F.** Metals and their various influences on milk. Rep. Internat. Dairy Congr. (1928) 1929, 8. Congr., 46–62.—**Mohr, W., Kramer, R.** [et al.] L'action de métaux et de combinaisons de métaux sur le lait complet et du lait complet sur les métaux et leurs combinaisons. Lait, 1935. **15**: 432–8.—**Truffert, L.** Utilisation des seaux galvinisés pour la récolte du lait. Ann. hyg., Par., 1949, **27**: 153–63.

—— Paper.

Génin, G. L'emploi des récipients en carton dans l'industrie laitière. Lait, 1937, **17**: 369–71.—**Henderson, J. L., Foord, D. C., & Roadhouse, C. L.** Influence of sunlight on flavor and ascorbic acid content of milk exposed in three different types of paper containers. Food Res., 1940, **5**: 153–9.—**Martin, E. M. S.** Paper milk bottles in New York. Certif. Milk, 1929, **3**: 11.—**Moss, F. J., Thomas, R. C., & Havens, M. K.** Bactericidal effect of the paraffining of paperboard used for paper milk containers. Pub. Health Rep., Wash., 1941, **56**: 944–56, pl.—**Paraffining** of paper milk containers. J. Am. M. Ass., 1941, **117**: 39.—**Reitz, A.** Deutsche Milchflaschen aus Papier. Umschau, 1930, **34**: 272.—**Stark, C. N.** Sanitary regulations for controlling the production of paper containers for milk. J. Milk Techn., 1941, **4**: 200–5.—**Tanner, L. P.** The paper milk container. J. Am. Diet. Ass., 1939, **15**: 456–60.

—— wooden.

Génin, G. L'emploi des récipients en bois pour le transport du lait. Lait, 1936, **16**: 841–6.

MILK contamination.

See also other main headings on **Milk: M. adulteration; M. bacteria; M.-borne disease; M. defect; M. hygiene; M. inspection; M. modification; M. preservation; M. sample.**

Bastian, H. C. The contamination of milk. Lancet, Lond., 1908, **2**: 1324.—**Bernton, H. S.** The dangers of unclean milk. Bull. Rhode Island Bd Health, 1918, **14**: 18–23.—**Hall, I. W.** Some impurities of vended milks. Bristol M. Chir. J., 1909, **27**: 48–56.—**Moat, C. P.** Clean vs. dirty milk. Bull. Vermont Bd Health, 1913–14, **14**: No. 2, 52.—**Porcher, C.** Le lait meurtrier; les impuretés originelles, la fraude, quelques organisations modeles. Aesculape, Par., **1**: 1912, 89; 107.—**Ramos Espinosa, A.** Leches y cremas contaminadas. Rev. mex. pediatr., 1940, **10**: 213–5.—**Soxhlet.** Gutachten über verunreinigte Milch. Molkereiztg, 1906, **16**: 485.—**Spooner, C. S.** An interesting case of milk contamination. J. Econom. Entom., 1920, **43**: 368.—**Talbot, F. S.** Milk; the dirty food. Good Health, 1909, **45**: 686–93.

—— Animals and parasites.

Bruce, E. A. Drosophilids in milk. Pub. Health J., Toronto, 1922, **13**: 259–61.—**Fettick, O.** Fliegenlarven enthaltende Milch. Zschr. Fleisch Milchhyg., 1912–13, **23**: 252.—**Kohn, F. G.** Tiere als Fremdkörper in der Milch. Prag. Arch. Tiermed., 1932, **12**: 7–14. ——— Les animaux comme corps étrangers dans le lait. Lait, 1933, **13**: 337–46.—**Konsuloff, S.** Sur une série de parasites trouvés dans le lait. Ann. parasit., Par., 1930, **8**: 244–8.—**Milk;** presence of insect larvae [Police Court] Brit. Food J., 1944, **46**: 55.

—— Benzoic acid.

See also **Milk sample,** Preservation.

[**Detection** of benzoic acid and boric acid in milk] Ny pharm. tid., Kbh., 1883, **15**: 7–11.—**Grossfeld, J.** Die Bestimmung kleiner Mengen Benzoesäure in Milch, Butter, Margarine, Fleisch und Eigelb. Zschr. Untersuch. Lebensmitt., 1927, **53**: 467–83.—**Hinks, E.** The detection and estimation of benzoic acid in milk and cream. Analyst, Lond., 1913, **38**: 555–8.—**Liverseege, J. F., & Evers, N.** The determination of benzoic

acid in milk. J. Soc. Chem. Indust., Lond., 1913, **32**: 319 (Abstr.)—**Mussill, J., & Smejkal, O.** Die Verwendbarkeit von p-Oxybenzoesäureestern zur Konservierung von Milch. Zschr. Fleisch Milchhyg., 1931–32, **42**: 117–9; Disc., 199–201.—**Philippe, E.** Zum Nachweis von Benzoësäure und Salizylsäure in Milch. Mitt. Lebensmitteluntersuch., Bern, 1911, **2**: 377–83.

—— Determination.

See also **Milk testing.**

Bernstein, A. Ein Schmutzprober für Milch. Zschr. Fleisch Milchhyg., 1906, **16**: 264.—**Bohm, E.** Nachweis von Saccharose, Wasserstoffsuperoxyd, Formaldehyd und Nitrat in der Milch mittels starker Schwefelsäure. Zschr. Untersuch. Lebensmitt., 1939, **77**: 18–32.—**Brown, L. A., & Gott, E. J.** Use of Endo's medium in locating milk contamination. Am. Food J., 1923, **18**: 295.—**Rochaix, A., & Tapernoux, A.** Recherche de la contamination du lait par la méthode au rouge neutre. Ann. hyg., Par., 1933, n. ser., **11**: 1–13.—**Schern, K., & Gorli, B.** Nuevo reactivo para la investigación de la reacción de la leche y especialmente de sustancias alcalinas adicionadas a la leche. Arch. Soc. biol. Montevideo, 1931, **3**: 49.—**Serger, H.** Verfahren der Milchschmutzbestimmung. Pharm. Zhalle, 1911, **52**: 449–55.—**Shrewsbury, H. S.** The estimation of preservatives in milk. Analyst, Lond., 1907, **32**: 5–14.—**Thornton, H. R., Strynadka, N. J.** [et al.] Milk contamination and the methylene blue reduction test. Canad. Pub. Health J., 1934, **25**: 284–94.—**Vairo, G.** Sul riconoscimento dell'immersione di foglie di rafano selvatico nel latte. Scuola salern., 1909, **10**: 13–5.

—— Dirt.

See also **Milk analysis,** Sediment.

SCHROEDER, M. C. Dirt sediment testing; a factor in obtaining clean milk. 19p. 8° N. Y., 1914.

Allman, J. D. Easy milk analysis for the determination of foreign substances. Med. Times, Lond., 1906, **34**: 586–8.—**Analytical Methods Committee.** Report of the sub-committee on dirt in milk. Analyst, Lond., 1937, **62**: 287–501, pl.—**Delépine, S.** Pathogenic properties of and amount of dirt contained in the milk supplied to the town of Manchester during the ten years 1897 to 1906, inclusive. Dreschfeld Memorial, Manchester, 1908, 237–46, 2 ch. Also Med. Chron., Manchester, 1907–08, **47**: 473–82, ch.—**Detecting** dirty milk. MSN, Toronto, 1942, No. 14, 3.—**Fiorentini, Ceradini & Galli.** Alcune ricerche sul sudiciume del latte che si consuma in Milano. Gior. Soc. ital. igiene, 1905, **27**: 452–8.—**Fournier, A.** Les corps étrangers du lait (un coefficient de propreté du lait) Presse méd., 1935, **43**: 1485.—**Fumagalli, A.** Delle sostanze eterogenee nel latte. Arch. sc. Soc. vet. ital., 1906, **4**: 149–51.—**Kober, G. M.** Milk sediments or dirty milk in relation to disease. J. Am. M. Ass., 1907, **49**: 1091.—**Litterscheid, F. M.** Anwendung der Luminescenz-Erscheinungen bei der Untersuchung von Milchschmutz. Zschr. Untersuch. Lebensmitt., 1927, **53**: 263.—**Lowe, W. F.** Estimation of dirt in milk. Chem. News, Lond., 1912, **56**: 61.—**Mazza, C.** Sopra un nuovo metodo per dosare rapidamente il sudiciume nel latte. Atti Soc. piemont. igiene, 1896, **2**: 79–84.—**Mickle, F. L.** Failure of standard method for visible dirt in milk to meet Connecticut requirements. Am. J. Pub. Health, 1929, **19**: 172–8.—**Milk;** fat deficiency; presence of dirt. Brit. Food J., 1940, **42**: 117.—**Plücker, W.** Ein neues Verfahren zur Schmutzbestimmung in Milch. Zschr. Untersuch. Lebensmitt., 1935, **70**: 96–107.—**Reed, W. McK.** Filth in the milk supply in the cities and villages and its practical exposure with demonstration. Month. Bull. Ohio State Bd Health, 1912, **2**: 248–53.—**Reiss, F.** Ueber eine Verunreinigung der Milch durch Holz und Zinnteilchen. Molkereiztg, 1907, **17**: 543.—**Revis, C.** The examination of milk for dirt and leucocytes. J. R. Inst. Pub. Health, 1908, **16**: 734–40.—**Schroeder, M. C.** Dirt sediment testing; a factor in obtaining clean milk. Am. J. Pub. Health, 1914, **4**: 50–64.—**Vollhase.** Ermittelung und Beurteilung des Schmutzgehaltes der Milch. Zschr. Untersuch. Lebensmitt., 1926, **51**: 373.—**Weller, H.** Die Bestimmung des Schmutzgehaltes in der Milch. Zschr. Untersuch. Nahrungsmitt., 1905, **10**: 591–6.—**Young, M.** Dirty milk food. J. R. San. Inst., 1907, **28**: 477–9 [Abstr.]

—— Drug.

See also **Milk secretion,** Drug excretion.

Rosenthaler, L., & Ungerer, E. Nachweis von Hexamethylentetramin in Wein und Milch. Pharm. Zhalle, 1913, **54**: 1153–5.

—— Feces, manure, and urine.

See also **Milk bacteria; Milk bacteriology; Milk testing.**

Bermejo, F. J., & Barrera, A. Investigación de la orina en la leche de vaca. Monit. farm., Madr., 1947, **53**: 241–4.—**Buruiana, L.** La recherche et le dosage de l'urine dans le lait. Lait, 1936, **16**: 698–705.—**Detection** of manural pollution in milk. Vet. Bull., Wash., 1921, **7**: Suppl., No. 3, 50–2.—**Laxa, O.** La détermination des excréments de la vache dans le lait. Lait, 1931, **11**: 816–22.—**Nunn, P. W. G.** Manure in milk. J. R. San. Inst., 1905–06, **26**: 417.—**Sporogenes** (The) test for manurial content in milk. Vet. Bull., Wash., 1921, **8**: Suppl., No. 11, 178–81.—**Weinzirl, J., & Veldee, M. V.** A bacteriological method for determining manural pollution of milk. Am. J. Pub. Health, 1915, **5**: 862–6.

—— Fluorine and compounds.

Georgievsky, A. P. Ftor v moloke i ego sanitarnoe značenie. Hig. & san., Moskva, 1947, **12**: No. 8, 35–9.—**Mazzeo, P.** Il fluoruro di sodio per la conservazione del latte. Pediatria (Arch.) Nap., 1905, 2. ser., **3**: 105–7.—**Ottolenghi, D.** Sulla ricerca del fluore nel latte. Atti Accad. fisiocr. Siena, 1905, 4. ser., **17**: 445–53.

—— Hydrogen peroxide.

See also **Milk pasteurization; Milk preservation; Milk sterilization.**

Amberg, S. A method for the determination of hydrogen peroxide in milk together with some observations on the preservation of milk by this substance. J. Biol. Chem., 1905–06, **1**: 219–28.—**Banerjee, N. L.** Use of hydrogen peroxide as a milk preservative. Ind. M. Gaz., 1947, **82**: 156–9.—**Baumann, E.** Ueber die Konservierung der Milch durch Wasserstoffsuperoxyd. Münch. med. Wschr., 1905, **52**: 1083–8.—**Bonjean, E.** Traitement du lait par l'eau oxygénée. Ann. falsif., Par., 1909, **2**: 411; 475.—**García Hernández.** Análisis bromatológico; determinación de peróxido de hidrógeno de la leche de vaca. Rev. farm. Cuba, 1947, **25**: No. 6, 5.—**Graaff, W. C. de.** Onderzoekingen over melk; de invloed van waterstofperoxyde op de melkenzymen. Tschr. veeartsenijk., 1908–09, **36**: 29–35.—**Kabrhel, G.** [Preservation of milk by hydrogen peroxid] Cas. lék. česk., 1923, **62**: 109–16.—**Medin, O.** Om behandling af mjölk med vätesuperoxid. Hygiea, Stoekh., 1908, 2. F., **8**: 239–57.—[**Preservation** of milk during transport by addition of H_2O_2] Hig. & zdorov., 1942, **7**: No. 8, 54.—**Wilkinson, W. P., & Peters, E. R. C.** Zum Nachweise von Wasserstoffsuperoxid in Milch. Zschr. Untersuch. Nahrungsmitt., 1908, **16**: 515–7.

—— Minerals.

Barthe, L., & Dufilho, E. Elimination du sodium et du chlore dans le lait de vache; fraude du lait par addition de sels de sodium. Ann. falsif., Par., 1927, **20**: 88–91. Also Lait, 1927, **7**: 817–23.—**Johns, C. K.** The preservative effect of chlorine compounds in milk. Canad. Pub. Health J., 1930, **21**: 162–8.—**Read, J. W., & Hale, H.** Feeding chlorinated milk to the albino rat. J. Agr. Res., 1925–26, **30**: 889–92.—**Reiss, F.** Ueber gesalzene Handelmilch. Zschr. Untersuch. Nahrungsmitt., 1915, **30**: 333.—**Sarran, S.** Etude d'une nouvelle constante pour déceler le salage dans le lait. Lait, 1932, **12**: 788–93.—**Vivario, R., & Stainier, C.** La recherche du salage des laits par la détermination du rapport phosphore-chlore. Ibid., 1933, **13**: 1073–81.—**Wendt, G. v.** Zur Variabilität der Milch; über den Einfluss verschiedener Salzbeigaben auf die Zusammensetzung und Menge der Milch. Skandin. Arch. Physiol., Berl., 1908, **21**: 89–145.

—— Nitrate.

Bognár, G., & Forgács, T. Zur Nitratreaktion bei Milchprodukten. Zschr. Untersuch. Lebensmitt., 1938, **76**: 535–8.—**Cavalier, J.** Sur la recherche du mouillage du lait par la présence du nitrates. Bull. Soc. sc. méd. ouest, 1907, **16**: 13–8. Also Tr. sc. Univ. Rennes, 1907, **6**: 71–5.—**Elvidge, W. F.** Note on nitrates in milk. Analyst, Lond., 1934, **59**: 170–2.—**Galvagno, O.** Sul valore della reazione dei nitrati pel riconoscimento dell'annacquamento del latte. Gior. Soc. ital. igiene, 1907, **29**: 547–51.—**Haas, P., & Lee, B.** Note on the nitrate oxidising mechanism of milk. Pharm. J., Lond., 1924, **113**: 94.—**Lerrigo, A. F.** The routine detection of nitrates in milk. Analyst, Lond., 1930, **55**: 433–5.—**Reiss, F.** Der Stallmist als Quelle einer Nitratreaktion der Milch. Zschr. Untersuch. Nahrungsmitt., 1919, **38**: 362–4.—**Rothenfusser, S.** Welchen Wert hat der Nachweis der Nitrate für die Beurteilung der Milch? Ibid., 1909, **18**: 353–63.—**Süpfle, K.** Nitratgehalt der Milch als Beweis der Milchwässerung. Deut. med. Wschr., 1926, **52**: 755–7.—**Tillmans, J.** Ueber den Nachweis und die quantitative Bestimmung von Salpetersäure in der Milch mit Diphenylamin-Schwefelsäure. Zschr. Untersuch. Nahrungsmitt., 1910, **20**: 676–707. Also Molkereiztg, 1911, **21**: 16; 26.

——— & **Schneehagen, W.** Erfahrungen mit der quantitativen Bestimmung der Salpetersäure in der Milch bei der praktischen Milchkontrolle. Zschr. Untersuch. Nahrungsmitt., 1916, **31**: 341–51.—**Tillmans, J., & Spittgerber, A.** Vereinfachung des Verfahrens zur Bestimmung von Salpetersäure in der Milch mit Diphenylamin-Schwefelsäure. Ibid., 1911, **22**: 401–5.—**Wauters, J.** Ueber die Bedeutung der Anwesenheit der Nitrate in der Milch. Molkereiztg, 1909, **19**: 409. Also Congr. internat. hyg. aliment., 1910, 2. Congr., **2**: Sect. 4, 95.

—— Picric acid.

Lagrange-Francès. L'acide picrique dans le lait; sa caractérisation. Lait, 1934, **14**: 817–9.

—— Prevention.

See also **Milk care; Milk hygiene; Milk plant,** Inspection.

Laurent, D. Note concernant la protection du lait contre l'invasion microbienne dans la pratique industrielle, par l'emploi de la pénicilline. Concours méd., 1947, **69**: 1235.—**Protection** of milk against infection and contamination. Vet. Rec., Lond., 1943, **55**: 282.—**Seiffert.** Ueber Milchschmutz und seine Bekämpfung. Fortsch. Med., 1908, **26**: 1089; 1121; 1153. Also Prag. med. Wschr., 1909, **34**: 43; 58; 76. Also Verh. Ges. deut. Naturforsch. (1908) 1909, **25**: 293–325.

—— Salicylic acid.

Gyūnyū oyobi gyūraku-tyū ni kon-suru salicyl-san wo kentei suru hō [Method of examination of milk and butter for salicylic acid] Yakugaku zassi, 1883, 672.

—— Water.

See also **Milk analysis,** Cryoscopy; **Milk serum,** Refractometry.

GOUIRAND, P. *Considérations sur la recherche du mouillage et de l'écrémage dans le lait de vache. 103p. 8° Montp., 1912.

Anselmi, S. La sensibilità di alcuni indici analitici del latte in rapporto all'annacquamento. Rendic. Ist. sup. san., Roma, 1941, **4**: 876–85.—**Bouin, M.** A propos du calcul du mouillage dans les analyses de lait. C. rend. Soc. biol., 1921, **84**: 89–91.—**Buogo, G.** Osservazioni sui metodi per determinare l'annacquamento nel latte. Q. nutriz., Bologna, 1940–41, **7**: 350–2.—**Cerf, J.** Etude comparative des principles constantes utilisées pour la détermination du mouillage du lait. Lait, 1932, **12**: 300; 400.—**Dominikiewicz, M.** O badaniu mleka na zafalszowanie wodą. Zdrowie, Warsz., 1905, 2. ser., **5**: 830–41.—**Giannotti, D.** Prove di comparazione della determinazione dell'annacquamento del latte colle formule di calcolo e la crioscopia. Clin. vet., Milano, 1935, **58**: 209–15.—**Knaff, P. F.** Optićeskij metod opredelenija podmesi vody k moloku. Hig. & san., Moskva, 1947, **12**: No. 6, 35–8.—**Kyriazidis, K. N.** Nephelometrische Bestimmung der Milchverwässerung. Zschr. Hyg., 1936–37, **119**: 10–20.—**Mohler, H., & Forster, H.** Vergleichende Untersuchungen über verschiedene Methoden zur Bestimmung eines Wasserzusatzes zu Milch. Mitt. Lebensmitteluntersuch., 1936, **27**: 113–24.—**Occhialini, E.** Metodi per determinare l'annacquamento nel latte. Q. nutriz., Bologna, 1940–41, **7**: 245; 330.—**Reidemeister, W.** Beurteilung einer Milchwässerung nach dem Wassergehalt des Milchplasmas und der Gefrierpunktsbestimmung. Zschr. Untersuch. Lebensmitt., 1934, **68**: 298–301.—**Revis, C.** The detection of added water in milk. J. R. Inst. Pub. Health, Lond., 1907, **20**: 39–42.—**Todd, J. C., & Sanford, A. H.** Milk and water. In their Clin. Diagn. Laborat., 11. ed., Phila., 1948, 721–6.—**Vuillaume, R.** Formule simple permettant un calcul immédiat du taux de mouillage du lait, connaissant la densité et le taux de la matière grasse. Lait, 1942, **22**: 113–22.—**Woodman, A. G.** On the determination of added water in milk. Techn. Q., Bost., 1899, **12**: 165–70.—**Wuyts, L., & Courtoy, F.** Détermination du mouillage du lait au moyen de la constante du Dr. Cornalba. Ann. falsif., Par., 1911, **4**: 590–4.

MILK control.

See also other main headings on **Milk: M. grading; M. hygiene; M. inspection; M. legislation; M. (market) M. merchandizing; M. production; M. supply.**

Barron, J. L. Philosophy and future of milk control. Am. J. Pub. Health, 1944, **34**: 467–76.—**Brédo.** A propos du contrôle du lait. Rev. path. comp., Par., 1923, **23**: 253.—**Buckingham, E. M.** Protection of milk. Med. & Surg. Rep. Boston City Hosp., 1913, 16. ser., 23–8.—**Doenecke.** Ein Beitrag zur Milchkontrolle. Zschr. Fleisch Milchhyg., 1911, **21**: 315–20.—**Gamble, J. A.** Milk supervision and its control. Am. J. Pub. Health, 1917, **7**: 953–5.—**Gräub, E.** Die Kontrolle der Konsummilch. Schweiz. Arch. Tierh., 1926, **68**: 59–61.—**Jensen, C. O.** On milk and milk control. In his Select. Papers, Kbh., 1948, **1**: 469–87.—**Johns, C. K.** Recent developments in milk control. Canad. J. Pub. Health, 1944, **35**: 33–7.—**Lassablière, P.** Le contrôle du lait. Médecine, Par., 1937, **18**: No. 6, 1–36.—**Leroy, A. M.** Ce que doit savoir un bon controleur laitier et beurrier. Lait, 1925, **5**: 34, 5 pl.; passim.—**Lesné, E.** Sur le contrôle du lait. Bull. Acad. méd., Par., 1936, 3. scr., **116**: 813.—**Louis.** Rapport au sujet de la surveillance du lait. Lait, 1927, **7**: 687–95.—**Mai, C.** Die Ueberwachung des Verkehrs mit Milch. Molkereiztg, 1914, **23**: 489; 497; 505.—**Martin.** Die Milchkontrolle. Mitt. Verein. badisch. Tierärzte, 1908, **8**: 1–9.—**Melvin, A. D.** Public control of the production, distribution, and sale of milk in the interest of public health. Rep. Internat. Vet. Congr. (1914) 1915, 10. Congr., **2**: 361–78.—**Nystedt, S.** Mjölkkontroll. Förhandl. Nord. vet., 1921, 2. meet., 462–79.—**Porcher, C.** The control of the production, distribution, and sale of milk in the interests of public health. Rep. Internat. Vet. Congr. (1914) 1915, 10. Congr., **2**: 521.—**Raumer, E. von.** Erfahrungen auf dem Gebiete der Milchkontrolle. Zschr. Untersuch. Nahrungsmitt., 1906, **12**: 513–21. Also Molkereiztg, 1907, **17**: 2–5.—**Roéland, C., & Grollet, C.** Rapport sur le contrôle du lait. Rev. path. comp., Par., 1914, **14**: 258–72.—**Rosenau, M. J.** Milk control. In: Admin. Med. (Emerson, H.) N. Y., 1941, 505–15.

—— bacteriological [Abbr.: b. c. for bacteriological control; c. b. for contrôle bacteriologique]

See also **Milk (certified)** Control.

HOUSE, A. G. Bacteriological control of milk. 59p. 8° Cambr., 1931.

Bertazzoni, M. L'importance pratique de la recherche colimétrique en tant que contrôle du fonctionnement des installations de pasteurisation. Lait, 1935, **15**: 332–8.—**Christiansen, M.** Yverbakterier og maelkekontrol. Förhandl. Nord. vet. (1933) 1934, 4. meet., 155–72.—**Demeter, K. J.** Directives pour l'exécution du c. b. du lait. Lait, 1936, **16**: 138–47.—**Fairer, J. A.** Bacteriological efforts to produce a clean milk supply. Med. Off., Lond., 1927, **37**: 235–7.—**Furs, T. A.** [B. c. of milk in Leningrad] Arkh. biol. nauk. 1925, **24**: 243–6.—**Giuffrida, G.** Recherches et considérations relatives au c. b. du lait. Boll. sez. ital. Soc. internaz. microb., 1933, **5**: 68–76.—**Kliewe, H., & Herwig, H.** Bakteriologische Untersuchungen in der Giessener Milchzentrale. Arch. Hyg., Münch., 1936–37, **117**: 179–86.—**McIntosh, J., & Whitby, L. E. H.** The b. c. of milk-supplies. Lancet, Lond., 1931, 2: 147–50.—**Rowlands, A.** B. c. of milk. Brit. M. Bull., 1947, **5**: 196–201.—**Sjölund, J.** Juverbakterier och mjölkkontroll. Förhandl. Nord. vet. (1933) 1934, 4. meet., 172–88.—**Weber.** B. K. der Vorzugsmilch. Zschr. Fleisch Milchhyg., 1928–29, **39**: 301–3.

—— biological.

See also **Milk biology; Milk serology.**

Neumark-Chertkova, F. [Biological control of milk] J. epidem. mikrob., Moskva, 1932, **1**: 22–5.—**Pincherle, M., & Gelli, G.** Ulteriori controlli su talune proprietà biologiche del latte. Boll. Soc. ital. biol. sper., 1933, **8**: 824–8.

—— Forensic aspect.

Shaw, H. B. Legal questions and answers. Bull. Vermont Bd Health, 1913–14, **14**: No. 4, 46–53.—**Tobey, J. A.** Recent court decisions on milk control. Proc. Conf. Health Author. N. America, 1932, **47**: 23; 1934, **49**: Suppl., 1. Also Spanish transl., Crón. méd. quir., Habana, 1933, **59**: 330–7. Also Bol. sal. púb., Montev., 1934, **3**: 213–22. Also Pub. Health Rep., Wash., 1934, **49**: 993; 1937, **52**: 1038. ——— Milk control. In his Public Health Law, 3. ed., N. Y., 1947, 181–200.

—— hygienic [Abbr.: h. c. for hygienic control; or c. h. for contrôle hygiénique]

See also **Milk bacteriology; Milkborne disease.**

MONDOR, C. *Etude sur le c. h. du lait. 58p. 8° Par., 1929.

Beaufrère, F., & Thieulin, G. Modalités, techniques et résultats du c. h. du lait, au lieu de consommation. Bull. Acad. vét. France, 1941, **14**: 175–9.—**Davidson, F. A.** The protection of bulk milk, with special reference to bovine tuberculosis. J. R. San. Inst., 1937–38, **58**: 217–39.—**Desoubry.** Du contrôle sanitaire du lait. Mém. Soc. sc. Seine-et-Oise, 1909, **18**: 96–115.—**Grosse-Bohle, H.** Die hygienische Ueberwachung des Verkehrs mit Milch. Molkereiztg, 1907, **17**: 373–5. Also Zschr. Untersuch. Nahrungsmitt., 1907, **14**: 78–89.—**Guillaune, A., & Thilo, H.** L'appréciation de la valeur hygiénique du lait livré à la consommation en nature. Bull. sc. pharm., Par., 1919, **26**: 151; 268.—**Hobbing, E.** Die Notwendigkeit der Beteiligung des Humanmediziners an der gesundheitlichen Ueberwachung der Milch. Deut. med. Wschr., 1936, **62**: 396.—**Houdinière, A.** Réaction de Schardinger; laits crus colostraux et c. h. à la consommation. Lait, 1934, **14**: 468; 591.—**Koller, R.** Ueber hygienische Milchkontrollen. Wien. tierärztl. Mschr., 1929, **16**: 201; 261.—**Labbé, H.** Le lait et son c. h. Médecine, Par., 1928, **9**: 1154–8.—**Louis, A.** Production et c. h. du lait dans les étables urbaines et suburbaines. Lait, 1946, **26**: 1; passim.—**Morhardt, P. E.** Le c. h. du lait. Rev. path. comp., Par., 1933, **33**: 1170–5.—**Pfannenstiel, W.** Die Notwendigkeit der Beteiligung des Humanmediziners an der gesundheitlichen Ueberwachung der Milch. Deut. med. Wschr., 1935, **61**: 841–3.—**Savage, W. G.** The h. c. of the milk supply. J. R. San. Inst., 1906, **27**: 685–95.—**Tabares B., A.** Control sanitario de la leche. Hig. & salub., Bogotá, 1949, **3**: 39.—**Thieulin, G.** Méthode de c. h. du lait. Lait, 1942, **22**: 8–21. Also Rev. path. comp., Par., 1942, **42**: 1–16.—**Verda, A.** Sur le c. h. du lait. Schweiz. Apoth. Ztg, 1917, **55**: 665; passim.—**Werder, J.** Erfahrungen bei der hygienischen Milchkontrolle. Mitt. Lebensmitteluntersuch., Bern, 1926, **17**: 102–11.—**Zapatero, E.** Le c. h. du lait; une méthode pratique et simple de colimétrie. Lait, 1936, **16**: 689–98, pl.—**Zaribnicky, F.** Die Bedeutung der Untersuchung von Viertelgemelken in der Milchhygiene. Wien. med. Wschr., 1925, **75**: 1078–80.—**Zschokke, E.** Ueber die Einführung einer sanitären Milchkontrolle. Schweiz. Arch. Tierh., 1904, **46**: 126–35.

—— laboratory [Abbr.: l. c. for laboratory control]

See also **Milk laboratory.**

Bolling, C. E. Report of Committee on Laboratory Methods. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 188–91.— **Breed, R. S.** Application of laboratory methods to the control of public milk supplies. Abstr. Papers N. York Ass. Pub. Health Laborat., 1922, Mid-yr meet., 4. ——— The standardization of laboratory methods useful in controlling the quality of dairy products. Canad. Pub. Health J., 1936, **27**: 222–5. ——— Simplification of l. c. procedures for market milk. Am. J. Pub. Health, 1943, **33**: 386–9.—**Fuchs, A. W.** L. c. of milk under war conditions. Ibid., 390–2.— **Garnier, M., & Douris, R. G.** Le contrôle hygiénique du lait au laboratoire. Rev. méd. Moyen Orient, 1948, **5**: 142–54.— **Hershey, J., Waldrip, H. W., & Willett, J. C.** Trends in laboratory procedures in the milk control program of St. Louis. Am. J. Pub. Health, 1943, **33**: 339–42.—**Hill, H.** The l. c. of milk supplies. Brit. Food J., 1939, **41**: 65; passim.—**Johns, C. K.** L. c. of milk under war conditions. Am. J. Pub. Health, 1943, **33**: 393–5.—**Ketz.** Milchkontrolle im Schlachthoflaboratorium. Berl. tierärztl. Wschr., 1935, **51**: 232–7.—**Moser, F.** Alta rentabilidad por un control de laboratorio intensivo, en las grandes lecherías. Rev. hig. san. pecuar., Madr., 1931, **21**: 685.—**Robertson, A. H.** Laboratory procedures in sanitary milk control. Am. J. Pub. Health, 1946, **36**: 1245–59.— **Savage, W. G.** Laboratory tests and milk control. Med. Off., Lond., 1932, **48**: 231–3.—**Schütze.** Ueber Milchcontrole und chemische Laboratorien in Kurorten. Balneol. Zentrztg., 1905, 146; 149; 153.—**Stark, O. K.** Some results of laboratory milk control. J. Bact., Balt., 1941, **42**: 147.—**Tiedeman, W. D.** L. c. of milk under war conditions. Am. J. Pub. Health, 1943, **33**: 401–3.

—— Milk type (special)

See also **Milk grading,** special.

Engel, C. S. Ueber die Kontrolle-billiger Säuglingsmilch. Zschr. ärztl. Fortbild., 1905, **2**: 414–6.—**Muñoz Turnbull, J.** Control sanitario de las leches industrializadas para alimentación infantil. Asistencia, Méx., 1942, No. 11, 106–13.—**Scharr.** Die Kontrolle der Kinder- und Vorzugsmilch. Deut. tierärztl. Wschr., 1927, **35**: 185–7.—**Stockmayer, W.** Zur Ueberwachung der Vorzugs- und Markenmilch. Zschr. Fleisch Milchhyg., 1943–44, **54**: 51–6.—**Weiss, S.** Die gesetzliche und freiwillige Kindermilchkontrolle. Wien. klin. Wschr., 1910, **23**: 435–40.

—— Organization.

See also **Milk depot.**

VÁMOS, Zs. *Le contrôle municipal du lait. 29p. 8° Par., 1931.

Adams, H. S. Planning and administering a milk control program. In his Milk & Food Sanit., N. Y., 1947, 10–23.— **Barthélemi, G.** L'organisation du contrôle hygiénique du lait. Lait, 1938, **18**: 462–73.—**Breed, R. S.** The results of an experiment in controlling the milk supply of a small city. N. York State J. M., 1919, **19**: 134–8.—**Bru, P.** Sur l'organisation du contrôle sanitaire et hygiénique du lait. Rev. vét., Toulouse, 1923, **75**: 761–6.—**Chalmers, A. K.** The increase of the power of local authorities with regard to milk supply. Lancet, Lond., 1906, **2**: 425. Also Proc. Nat. Conf. Inf. Mortal., Westminster, 1906, 280–9.—**Fisher, M. R.** Milk control of municipalities. Week. Bull. S. Louis M. Soc., 1935–36, **30**: 539–43.—**Hanway, J. A.** Milk control under Public Utilities Board. Nova Scotia M. Bull., 1944, **23**: 273–8.—**Klose, F., & Wurm, O.** Amtliche Milchkontrollstellen, ein Weg zur Besserung der Milchversorgung der Städte. Arch. sozial. Hyg., 1928, n. F., **3**: 221–9.— **Lederle, E. J.** The sanitary control of local milk supplies through local official agencies. Med. Rec., N. Y., 1912, **82**: 1063–7.—**Levin, W.** The relation of the state to a sanitary milk supply. Am. J. Pub. Health, 1923, **13**: 557–61.—**M., J. T.** Melkcontrôle in groote steden. Tschr. sociale hyg., 1906, **8**: 334–48.—**McCrady, M. H.** Milk control for the small town. Canad. Pub. Health J., 1934, **25**: 519–23.—**Messner, H.** Die Wichtigkeit einer verlässlichen Milchkontrolle für Kurorte und die Massnahmen zur Erreichung derselben. Med. Bl., Wien, 1909, **32**: 38; 50. Also Oesterr. San. Wes., 1909, **21**: 97; passim.— **Robertson, J. S.** Milk control under a board of public utilities. Canad. J. Pub. Health, 1945, **36**: 192–5.—**Russell, H. L.** The function of the State in milk-control work. Tr. Internat. Congr. Hyg. (1912) 1913, 15. Congr., **4**: 598–601.—**Stokes, W. R., & Wright, T. M.** The co-ordination of laboratory work and inspection in supervising the milk supply. Am. J. Pub. Hyg., 1909, **19**: 317. Also Rep. Am. Pub. Health Ass. (1908) 1909, **34**: pt 1, 227.—**Tischer, O.** A municipal milk control program. Pennsylvania Health, 1935, **13**: No. 2, 15–9.— **Wilbur, B. K.** Geographical boundaries determine milk control area. Nation's Health, Chic., 1926, **8**: 450–2.—**Wright, R. D.** An effectual city milk control programme. Manitoba M. Ass. Rev., 1941, **21**: 249.

—— Problems.

Abraham, S. New problems for milk control officials. Certif. Milk, 1939, **14**: No. 156, 7.—**Brock, F. D.** Necessity for and some difficulties of public health milk control. J. Milk Techn., 1940, **3**: 36–40.—**Grim, G. W.** Current problems concerning milk control. Cornell Vet., 1928, **18**: 85–97.—**Guyselman, P. C.** The necessity for milk control. Alameda Co. Pub. Health News, 1925, **3**: No. 3, 2–4.—**Phair, J. T.** Present day problems in milk control and their suggested solution. Proc. Conf. Health Author. N. America, 1943, 58. meet., 85–9.— **Sparks, H. D., & White, F. A.** Field and laboratory problems in a milk control program. Canad. J. M. Techn., 1943, **5**: 162–70.

—— Quality control.

See under **Milk quality.**

—— Technical aspect.

See also other main headings on **Milk: M. bacteria; M. contamination; M. defect; M. quality; M. supply; M. testing.**

COCQ, M. *Contribution à l'étude des moyens de contrôle hygiénique du lait. 38p. 24cm. Par., 1939.

KLIMMER, M. Tierärztliche Milchkontrolle; eine Anleitung zu ihrer praktischen Durchführung 125p. 8° Berl., 1929.

Bérard, P. A. Contribution à l'étude sur le contrôle du lait nature dans les laiteries par l'examen microscopique direct. Bull. hyg., Montréal, 1947, **33**: No. 3, 3–11.—**Boynton, W. H., & Hiscock, I. V.** An inventory of some methods of milk control, J. Milk Techn., 1941, **4**: 147–51.—**Brew, J. D.** Some practical aspects of city milk control. Nation's Health, Chic., 1925, **7**: 1–4.—**Corash, P.** The value of physical examination of dairy herds to milk control programs. Cornell Vet., 1947, **37**: 34–8.— **Eloire, A.** La surveillance de la vente du lait en nature; moyen facile et pratique de rechercher les laits mouillés. Hyg. viande, 1910, **4**: 427–30.—**Gobert, P., & Bouin, M.** A propos de la détermination de l'extrait sec et de quelques formules de calcul utilisées dans le contrôle du lait. Rev. gén. lait, 1906–07, **6**: 193; 224.—**Hastings, C. J.** Quelle est la meilleure méthode de surveillance de l'approvisionnement en lait? Lait, 1926, **6**: 455–69.—**Messner.** Ueber die Wichtigkeit einer verlässlichen Milchkontrolle und die Massnahmen zur Erreichung derselben. Zschr. Stadthyg., 1909, **1**: 493–505.—**Miner, C. H., & Irwin, R. E.** Milk control in Pennsylvania. Atlantic M. J., 1924–25, **28**: 267.—**Nottbohm, F. E.** Durchführung einer 21tägigen Milchkontrolle während einer vollen Laktationsperiode. Arch. Hyg., Münch., 1928, **100**: 65–81.—**Parrino, P. S.** The technical and practical aspects of milk control. N. Orleans M. & S. J., 1939–40, **92**: 381–8.—**Roux, L.** Les étapes du contrôle du lait 1875–1939; lactodensimètre, analyse chimique, épreuve biologique. Schweiz. Arch. Tierh., 1939, **81**: 328–33.—**Taussig, S.** L'exactitude des différentes méthodes en contrôle laitier. Lait, 1935, **15**: 1087–101.—**Troili-Petersson, G.** En billig mjölkkontroll med godt resultat. Hyg. tskr., Stockh. (1911) 1912, **4**: 287–94.—**Woodward, W. C.** Health department; methods for the supervision of the milk supply. Am. Med., 1908, n. ser., **3**: 299–303.

—— Value.

Adams, H. S. History and public health importance of milk control. In his Milk & Food Sanit., N. Y., 1947, 1–9.— **Chavarria, F. R. A.** Importancia del control sanitario de la leche. Rev. zootécn., B. Air., 1930, **17**: 511–28.—**Fuchs, A. W.** Milk control in the defense program. Pub. Health Rep., Wash., 1942, **57**: 422–31.—**Hellens, O.** [Significance of milk control from the sanitary view-point on checking the spread of infectious diseases] Fin. läk. säll. hand., 1935, **78**: 295–314.—**Ibsen, C. H.** La influencia del control de la leche y del pago según la calidad, sobre la calidad de la mantequilla. Rev. hig. san. pecuar., Madr., 1931, **21**: 701.—**McCulloch, E. C.** Milk control and public health. Week. Bull. S. Louis M. Soc., 1934, **28**: 246–51.—**Stockmayer, W.** Die Bedeutung der Milchkontrolle für die menschliche Gesundheit. Reichsgesundhbl., 1934, **9**: 278–80.

—— veterinary and medical.

See also **Milk examination,** veterinary.

Blaim, T. Zur Beteiligung der Tierärzte an der Milchkontrolle. Wschr. Tierh. Viehzucht, 1906, **50**: 446–8.— **Brittlebank, J. W.** The control of the milk supply from the point of view of the veterinary inspector. Proc. English Speak. Conf. Infant Mortal., 3. Conf., 1913, **1**: 200–33.—**Glage.** Beobachtungen und Erfahrungen bei der tierärztlichen Milchkontrolle. Berl. tierärztl. Wschr., 1928, **44**: 745–8.—**Hiscock, I. V.** The medical association and the milk supply. Kentucky M. J., 1932, **30**: 697–702.—**Matthews, H. T., Lethem, W. A.** [et al.] Discussion on the veterinary and medical control of the milk supply. Proc. R. Soc. M., Lond., 1944–45, **38**: 253–60.— **Messner, H.** Die Entwicklung der Milchkontrolle und der Anteil der Tierärzte an derselben. Zschr. Fleisch Milchhyg., 1936–37, **47**: 458–61.—**Neseni, R.** Tierärztliche Milchkontrolle. Prag. tierärztl. Arch., 1935, **15**: Sonderheft No. 1, 26–30.—**Ostertag, R.** Tierärztliche Mitwirkung bei der Milchkontrolle. Berl. tierärztl. Wschr., 1926, **42**: 345–51. ——— Control veterinario de la leche, con especial consideración al tratamiento de la leche infectada de tuberculosis, aborto in-

feccioso, mastitis estreptocócica o por bacterias del grupo paratifus-enteritis (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 602–14.—**Rudolf, J.** Zur Kontrolle der Konsummilch vom Standpunkt des Veterinärhygienikers. Schweiz. Arch. Tierh., 1929, **71**: 141–4. Also Wien. tierärztl. Wschr., 1929, **16**: 127–32.

—— by countries.

Belloni, J. A. Allgemeine Betrachtungen über die Organisation der Milchkontrolle in Kopenhagen und Stockholm; Vergleich der genannten Kontrolleinrichtungen mit der durch Tierärzte angestrebten Idealorganisation einer städtischen Milchkontrolle. Münch. tierärztl. Wschr., 1929, **80**: 457–59.—**Bohdanowiczowna, Z.** [Organization of milk control in Brussels, Strassbourg and Vienna] Polska gaz. lek., 1928, **7**: 396–8.—**Ehrström, W.** Mjölkkontrollen i de skandinaviska länderna. Förhandl. Nord. vet. (1933) 1934, 4. meet., 144–55.—**Frank, L. C.** Coordinación de esfuerzos en el control sanitario de la leche de consumo público en el mercado americano [Transl.] Crón. méd. quir. Habana, 1936, **63**: 321–33.—**Kufferath, H.** Le contrôle du lait à Washington et à Melbourne; quelles conclusions en tirer pour la Belgique? Clinique, Brux., 1909, **23**: 365–80. Also Mouvement hyg., Brux., 1909, **25**: 141–60.—**Lind, C.** [Milk control and milk supply in foreign countries] Nord. hyg. tksr., 1920, **1**: 24–32.—**Morgan, M. T.** Le contrôle sanitaire du lait en Angleterre et dans le Pays de Galles. Bull. Off. internat. hyg. pub., Par., 1936, **28**: 81–7.—**Pocher, C.** Le contrôle laitier à l'étranger; quelques réflexions d'ordre général. Lait, 1926, **6**: 690–707.

—— by countries: Africa.

Belle, G. Le contrôle hygiénique du lait à Casablanca. Maroc. méd., 1949, **28**: 514–7.—**Gilles, G.** Nécessité d'organiser un contrôle hygiénique du lait frais en Algérie. Algérie méd., 1948, **51**: 559–64.—**Woltz, M., & Buck, G.** Essai de contrôle du lait à Tananarive. Bull. Soc. path. exot., Par., 1936, **29**: 934–9.

—— by countries: America.

García Vargas, J. *Contribución al estudio de las leches de Guatemala; control bacteriológico por el método de Skar. 19p. 26cm. Guatemala, 1933.

Andrade, J. L. Determinación por control de análisis del porcentaje máximo y mínimo de las substancias componentes de nuestras leches de consumo; fijación de tipos normales y diferenciación del fraude y de la mala calidad. Bol. Min. san., Caracas, 1939, **4**: No. 5, 82–96, tab. Also Mem. Congr. venezol. leche, 1939, 1. Congr., 98–112, tab.—**Bambarén, C. A.** Sanidad pública municipal; sobre control sanitario de la producción y venta de la leche que se consume en Lima. Crón. méd., Lima, 1943, **60**: 24–7.—**Berry, A. E.** A survey of milk control in cities and towns in Canada. Canad. Pub. Health J., 1938, **29**: 305–9.—**Costa Mandry, O.** Better milk. Puerto Rico Health Bull., 1938, **2**: 212–7.—**Cowley, R.** Sanitary milk control situation in Havana. J. Milk Techn., 1940, **3**: 132–6.—**Jeffs, H. B.** Le contrôle du lait au Canada. Bull. Off. internat. hyg. pub., Par., 1936, **28**: 88–99.—**Lavery, J. F.** Milk control on the farm; with special reference to that exercised by the Department of Public Health of the City of Toronto. Canad. J. Comp. M., 1941, **5**: 63–74.—**Martins, A. F.** Sobre o padrão bacteriológico do leite em São Paulo; leite de granjas Rev Inst. Adolfo Lutz, S. Paulo, 1942, **2**: 369–89.—**Navarini, E. P., Ardiani, M. A., & Forte, A.** Control higiénico de la leche de consumo de las ciudades de Rosario y Casilda. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 508–11.—**Netto, F. A.** A organização dos serviços de contrôle leiteiro no Estado de São Paulo. Bol. indúst. animal, S. Paulo, 1947, **9**: No. 3, 90–113.—**Ordóñez Valdez, S.** Control sanitario de leche en San Pedro, Coah. Salub. & asist., Méx., 1945, **4**: No. 11, 49–56, illust.—**Rincones, H., J. V.** La urgente necesidad de intensificar el control sanitario de la leche en el interior del país, como una medida eficaz en pro del mejoramiento de la salud del niní, y la salud pública en general. Mem. Congr. venezol. leche, 1939, 1. Congr., 381.—**Tustin, P. B.** How Winnipeg's milk supply is supervised. J. R. San. Inst., 1914–15, **35**: 204–10.—**Vizcarrondo, O.** Determinación, por control de análisis, del porcentaje máximo y mínimo de nuestras leches de consumo; fijación de tipos normales de clasificación. Mem. Congr. venezol. leche, 1939, 1. Congr., 112–31.

—— by countries: America—United States.

Lederle, E. J., & Raynor, R. The milk supply of New York City, and its control by the Department of Health. 70p. 8° N. Y., 1912.
Forms No. 5, Monogr. Serv., Dep. Health N. York (City) 1912.

Chapin, C. V. Milk control in Providence, U. S. A. Med. Off., Lond., 1919, **22**: 221.—**Dunshee, J. D.** Milk control. Week Bull. California Dep. Pub. Health, 1935, **14**: 1–3.—**Frank, L. C.** The unification of milk control in the United States. Am. J. Pub. Health, 1925, **15**: 977–80. ——— A national program for the unification of milk control. Pub. Health Rep., Wash., 1926, **41**: 1583–616. ——— The coordination of American milk control effort. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 193€, **24**: 9–27.—**Gabbano, L.** La sorveglianza igienica del latte in Baltimore, Md. Igiene mod., 1931, **24**: 1–17.—**Kerr, J. W.** The supervision of milk supplies in the United States, and its bearing on the protection of the public health. Proc. English Speak. Conf. Infant Mort., 1913, 175–86.—**Krueger, P. F.** Pasteurized milk and sanitary milk control in Illinois. Illinois M. J., 1929, **55**: 212–7.—**Lederle, E. J.** The sanitary control of New York's milk supply. Pennsylvania M. J., 1911–12, **15**: 198–204; Disc. 209–12.—**Moffett, W. K.** Milk control in Pennsylvania. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25**: 165–80.—**Panisset, L.** Le contrôle sanitaire du commerce et de la production du lait aux Etats-Unis. Hyg. viande, 1907, **1**: 49–53.—**Park, W. H.** Report of committee on the control of milk supplies in large cities. Rep. Am. Pub. Health Ass., 1905, **30**: 176–84.—**Pierce, C. C.** L'état actuel du controle du lait aux Etats-Unis. Bull. Off. internat. hyg. pub., Par., 1935, **27**: 72–9.—**Report** of Committee on Methods of Improving Milk Supplies in Small Communities; the status of milk control in municipalities of 1,000 to 10,000 population. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25**: 347–81.—**Riser, W. A.** The control of the milk supply for an Iowa institution. J. Am. Vet. M. Ass., 1938, **92**: 645–52.—**Russell, J. E.** Sanitary control of the milk supply in the State of New Jersey. Pub. Health News, Trenton, 1934, **18**: 223–7.—**Todd, F. A.** Two years of milk control work in the sixth CCC district. Vet. Bull., Wash., 1937, **31**: 300–4.—**Weiss, H.** How Cumberland controls its milk supply. Mun. San., 1931, **2**: 171–3, &c.

—— by countries: Australia.

Robertson, W. A. N. Le contrôle du lait en Australie. Bull. Off. internat. hyg. pub., Par., 1935, **27**: 2216.

—— by countries: Europe.

Rommer, L. *Contrôle du lait en Suisse en particulier à Davos. 32p. 24cm. Par., 1938.

Aaser, C. S. Melkekontrollen i Norge. Förhandl. Nord. vet. (1933) 1934, 4. meet., 135–44.—**Baclesseanu, A.** Le controle sanitaire dans le commerce du lait et de ses dérivés à Constantza (Roumanie) Hyg. viande, 1911, **5**: 265–8.—**Bognar, G.** La répression des fraudes en Hongrie: le contrôle du lait à Budapest. Ann. falsif., Par., 1926, **19**: 440–4.—**Bohm, E.** Om mjölkkontrollen och mjölkhandeln. Norsk tskr. mil. med. 1903–04, **8**: 457–76.—**De Tilloux, J.** El control lechero y mantequero belga, considerado como factor de la mejora de las razas (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 628–31.—**Diskussion** om melkekontrol. Forh. Med. selsk. Kristiania, 1908, 197; 255.—**Doubek, B.** Snahy o zvýšení jakosti a o zlepšení zdravotní bezpečnosti konsumního mléka. Výživa lidu, 1949, **4**: 156–8.—**Ehrström, W.** Organización del control lechero en la ciudad de Helsingfors (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 631–6. ——— Riktlinjer för organisationen av kommunal mjölkkontroll i Finland. Nord. hyg. tskr., 1934, **15**: 103–8. ——— Mjölkkontrollen i Helsingfors med mjölkproduktionsområde. Hyg. rev., Stockh., 1947, **36**: 15–8.—**Friis, S.** Traek av maelkekontrollens udvikling i København gjennem 40 aar. Ber. Nord. vet., 1928, 3. meet., 582–601; Disc., 634–40.—**Gonzalez, P.** Control sanitario de la leche en Barcelona. Rev. zootécn., B. Air., 1926, **13**: 352–7.—**Gratz, O.** [Hygienic milk control abroad and in Hungary] Allatorv. lap., 1935, **58**: 33–6.—**Gustafson, F.** Mjölkkontrollen i Stockholm. Ber. Nord. vet., 1928, 3. meet., 601–13; Disc., 634–40.—**Helle, K.** Ueber den Einfluss der Milchkontrolle auf die Beschaffenheit der Milch in Graz. Arch. Hyg., Münch., 1906, **56**: 205–7.—**Jaanhold, J., & Raud, V.** La lechería, el control de exportación y el comercio de los productos lecheros en Estonia. Rev. hig. san. pecuar., Madr., 1931, **21**: 716.—**Jacobsen, A.** Le contrôle du lait à Christiania. Hyg. viande, 1914, **8**: 321–5.—**Jimison, R. L.** Quality control of Danish milk supply. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: 47–52. Also Mil. Surgeon, 1947, **101**: 507–9.—**Johns, C. K.** Recent developments in milk control. Med. Off., Lond., 1944, **71**: 109.—**Kasperowicz, F.** Badanie na zanieczyszczenie mleka rynkowego w Wilnie. Zdrowie, Warsz., 1931, **46**: 105–14.—**Kontrola** mlieka. Boj o zdrav., Bratisl., 1948, **23**: 60–4.—**Maidontarkastamo.** Terv. & sairaanh. Kaupun. tilast. Helsinki, 1947, **29**: 38–46.—**Mazzeo, M., & Lo Porto, F.** Importanza sanitaria ed economica dei controlli biologici del latte del commercio in Palermo. Gior. batt. immun., 1939, **22**: 97–120.—**Nai, D. D.** Per un più ampio controllo sanitario di tutto il latte alimentare. Clin. vet., Milano, 1940, **63**: 165–73.—**Petrovich, B.** [For a better control of milk] Glasnik, Beogr., 1928, **5**: 82–6.—**Redogörelse** för mjölkkontrollens i Helsingfors verksamhet under år 1937.—Nord. hyg. tskr., 1938, **19**: 333–8.—**Thiele, R.** Die Milchkontrolle in Polen links der Weichsel. Zschr. Hyg., 1918, **86**: 263–76.—**Todd, F. A.** Milk control program of U. S. forces in Iceland. Bull. U. S. Army M. Dep., 1946, **5**: 461–7.—**Wolff, L.** Om mjölk och mjölkkontroll. Hygeia, Stockh., 1905, 2. f., **4**: 297–309.

—— by countries: Europe—France.

Jeannin, J. *Le contrôle sanitaire du lait à Dijon. 69p. 25cm. Lyon, 1939.

La Quérière, M. de. *Le lait et son contrôle administratif en France. 71p. 8° Par., 1937.

Névot, A. *Les méthodes de contrôle hygiénique des laits; leur application aux laits parisiens. 94p. 8° Par., 1930.

Baudeau, H. Le contrôle hygiénique du lait à Nancy. Lait, 1936, **16**: 946–56.—**Bertin-Sans, H., Imbert, H.** [et al.] Organisation d'un contrôle officieux du lait à Montpellier; résultats obtenus (août 1908) Hyg. viande, 1908, **2**: 546–60.—**Bourgeois, G.** Le contrôle hygiénique du lait à Dijon. Lait, 1938, **18**: 648–66.—**Clevisch, A.** Sur l'hygiène et le contrôle du lait; l'approvisionnement en lait. Ibid., 1927, **7**: 787–801.—**Davies, B.** L'approvisionnement en lait de la Nation; production hygiénique et contrôle (transl.) Ibid., 1937, **17**: 449; 591.—**Deloulme.** Contrôle sanitaire de la Coopérative laitière de Belfort. Bull. Acad. vét. France, 1941, **14**: 184.—**Fouassier, M.** Le contrôle du lait au Syndicat de la crémerie française. Lait, 1928, **8**: 270–2.—**Gaujoux.** Contrôle officieux du lait livré à Montpellier par les laitiers syndiqués. Montpellier méd., 1909, **28**: 60–3.—**Hallez, G. L.** Le lait, officiellement contrôlé, en France. Rev. path. comp., Par., 1933, **33**: 679–84.—**Historique** de l'organisation du contrôle sanitaire du lait mis en vente dans le Département de la Seine. Ann. hyg., Par., 1930, n. ser., **8**: 113–9.—**Lacambre, Lasausse & Abry.** Le contrôle de l'hygiène du lait à Nantes pendant cinq années; de 1942 à 1947. Ibid., 1947, **25**: 219–29.—**Leroy, A. M.** Le développement du contrôle laitier en France; nécessité d'une entente entre les associations de contrôle laitier et beurrier. Lait, 1926, **6**: 723–53, map.—**Lesné, E.** Rapport sur le contrôle du lait. Méd. internat., Par., 1937, **45**: 80.—**Nicolas, R., & Le Hyaric, M.** Le contrôle hygiénique du lait et des produits laitiers dans le Morbihan au cours de l'année 1948. Rev. path. comp., Par., 1949, **49**: 494–501.—**Porcherel, J.** Cinq années de contrôle officiel facultatif du lait. Avenir méd., Lyon, 1934, **31**: 164–8.—**Violet.** Le contrôle hygiénique du lait dans l'agglomération lyonnaise. J. méd. Lyon, 1948, **29**: 697–9.

—— by countries: Europe—Germany.

Behre, A. Ueber einige Ergebnisse bei der biologischen Milchkontrolle in Altona. Zschr. Untersuch. Lebensmitt., 1928, **56**: 38–50.—**Borinski, P.** Die städtische Milchkontrolle in Berlin. Deut. Zschr. öff. Gesundhpfl., 1925–26, **2**: 169–75.—**Ehrlich.** Betrachtungen über die tierärztliche Milchkontrolle auf Grund der im Tierseucheninstitut der Landwirtschaftskammer für die Provinz Hannover gesammelten Erfahrungen. Berl. tierärztl. Wschr., 1928, **44**: 793–7. Also Schweiz. Arch. Tierh., 1929, **71**: 86–8. ——— Milchüberwachung im Milchwirtschaftsgebiet Niedersachsen. Deut. tierärztl. Wschr., 1935, **43**: 645–50.—**Grüttner, F.** Erfahrungen in der tierärztlichen Milchkontrolle im Reg.-Bezirk Magdeburg. Ibid., 1929, **37**: 213–7.—**Kiessig.** Die Durchführung der freiwilligen Milchkontrolle in Schleswig-Holstein. Ibid., 1927, **35**: 759–62.—**Niederstadt.** Die polizeiliche Ueberwachung des Verkehrs mit Milch in grosseren Städten Deutschlands. Oeff. Gesundhpfl., 1916, **1**: 236–47.—**Rühmekorf.** Zur Milchkontrolle in Leipzig. Zschr. Fleisch Milchhyg., 1912, **21**: 352–6.

—— by countries: Europe—Great Britain.

Control of milk production and sales. Brit. Food J., 1943, **45**: 42; 51; 61.—**Hope, E. W.** Supervision of the milk supply in the City of Liverpool. J. Prev. M., Lond., 1906, **14**: 727–32.—**Ichok, G.** La protection du lait en Angleterre. Ann. hyg., Par., 1926, n. ser., **4**: 419–29.—**Litteljohn, A. R.** Impure milk; state inspection and control of the milk supply. Med. Off., Lond., 1912, **7**: 109–11.—**Young, W. J.** The administration of the Model Milk Clauses in Sheffield. J. R. San. Inst., 1911–12, **32**: 73–83.

MILK cooling.

See also **Milk modification,** Frozen milk; **Milk storage.**

Rotenberg, G. *Contribution à l'emploi du froid pour la conservation du lait. 58p. 8° Par., 1930.

Adams, H. S. Cooling and storing milk. In his Milk & Food Sanit., N. Y., 1947, 58–71.—**Baier & Bongert.** Untersuchungen über die Wirkungsweise der Nassluftkühlung und der Trockenluftkühlung. Zschr. Fleisch Milchhyg., 1905, **15**: 230; 261.—**Belaval, J.** Propaganda pro refrigeración de la leche en Puerto Rico. Bol. as. méd. Puerto Rico, 1926, **20**: No. 153, 25–9.—**Blier, J.** Réflexions sur l'emploi du froid en laiterie. Lait, 1927, **7**: 45–53.—**Kitchen, J. M. W.** Temperature control as related to improvement in milk, cream, and butter supplies, and how it should be applied. Med. Rec., N. Y., 1921, **99**: 565–9.—**Lassablière, P., & Rotenberg, G.** Action du froid sur la conservation du lait. C. rend. Soc. biol., 1930, **104**: 358.—**Lesné.** A propos de la réfrigération du lait naturel. Bull. Acad. méd., Par., 1946, **130**: 152.—**Mohorčič, H.** Ueber Milchkühlung unter besonderer Berücksichtigung der Verhältnisse in Steiermark. Mitt. Verein. Aerzte Steiermark, 1912, **49**: 41–4.—**Ostertag, R.** Die Milchkühlung. Zschr. Fleisch Milchhyg., 1930–31, **41**: 1; passim.—**Porcher, C.** Le froid en laiterie au premier Congrès international du froid, octobre 1908. Bull. Soc. sc. vét. Lyon, 1909, **12**: 131–49.—**Salles, C., & Lembert, P.** Les applications du froid dans l'industrie laitière. Rev. path. comp., Par., 1949, **49**: 501–18.—**Sherman, J. M., & White, J. C.** The spoilage of milk held near the freezing point. Annual Rep. N. York Coll. Agr., 1941, **54**: 121.

—— Bacteriology.

Schroder, A. *Untersuchungen über den Einfluss der Kühlung auf die Haltbarkeit und den Keimgehalt der Milch [Leipzig] 68p. 8° Dresd., 1908.

Mott, F. E., & Mazer, H. Deterioration of milk by bacterial growth under refrigeration at 40° F. N. England J. M., 1942, **227**: 174.—**Pennington, M. E.** Bacterial growth and chemical changes in milk kept at low temperatures. J. Biol. Chem., 1908, **4**: 353–93. Also Proc. Am. Soc. Biol. Chem., 1908, **4**: p. xxvii.—**Roéland, C.** Rapports entre la température du lait refroidi après la traite et les numérations microbiennes. Rev. path. comp., Par., 1935, **35**: 1032–42.—**Wahby, A. M., & Sherman, J. M.** The growth of pathogenic bacteria in milk in relation to the degree of cooling. J. Egypt. M. Ass., 1934, **17**: 641–4.

—— Farm and house.

Kansas, U. S. A. Agricultural Experiment Station. Bulletin 295: Milk cooling on Kansas farms. 39p. 23cm. Manhattan, 1941.

Franklin, U. D. Cooling milk at the farm. J. M. Ass. Alabama, 1944–45, **14**: 76.—**Kaiser, M.** Ueber die Kühlhaltung der Milch im Hause. Arch. Hyg., Münch., 1906, **56**: 30–50.—**Lassablière, P.** Le refroidissement du lait à la ferme. Médecine, Par., 1949, **30**: No. 8, 12–4. Also Rev. path. comp., Par., 1949, **49**: 463–8.—**Lindquist, P. A., Mahoney, J. L., & Cotter, J. M.** Evaluation of results of mechanical cooling of milk on producing farms. Sanitarian, Los Ang., 1947–48, **10**: 195–7.

MILK cost [and price]

See also **Milk marketing; Milk merchandizing.**

New York City. Milk Industry Foundation. More milk for low income families. 15p. 19cm. N. York, 1941.

Custo do leite no Brasil. Impr. med., Rio, 1942, **18**: No. 337, 153.—**Dvorak, J.** La valoración de la leche por las cooperativas en Checoeslovaquia. Rev. hig. san. pecuar., Madr., 1931, **21**: 712.—**Eichelberger, M.** The importance of economical milk in human nutrition. Am. J. Pub. Health, 1940, **30**: 169–74.—**Government** cheap milk scheme. Med. Off., Lond., 1940, **64**: 36.—**Hasselbach, W. v., & Mork, M. R.** La vente du lait et des produits laitiers et l'établissement d'un prix régional acceptable pour les producteurs, les intermédiaires et les consommateurs. Lait, 1939, **19**: 421–4.—**Hög Pedersen, E.** El pago de la leche segun su calidad. Mem. Congr. venezol. leche, 1939, 1. Congr., 368–74.—**Lemoigne, M., & Musso, L.** Notes sur l'utilisation du lait par les indigènes en Algérie. Arch. Inst. Pasteur Afrique Nord, 1921, **1**: 89–98.—**McCune, W.** Why milk costs so much. Harpers Mag., 1942, May, 604–11.—**Saint-Chamas, R. de.** Le prix de revient du lait. Lait, 1932, **12**: 1121–8.—**Spildo, L. S.** Del pago de la leche según su valor de utilización; una base de apreciación común al trabajo de la cría, a las necesidades de alimentación, a la alimentación en sí y al débito de la leche. Rev. hig. san. pecuar., Madr., 1931, **21**: 655.—**Tobey, J. A.** Nutrition and health and the price of milk. Week. Bull. California Dep. Pub. Health, 1934, **13**: 129. Also Am. J. Pub. Health, 1935, **25**: 197–203.

—— Free milk.

Kerr, J. W. The history, development, and statistics of milk charities in the United States. 22p. 8° Wash., 1910.

Forms No. 50, Repr. U. S. Pub. Health & Marine Hosp. Serv.

Also Pub. Health Rep., Wash., 1910, **25**: No. 39.

Billington, L. Penny Milk program. Wisconsin Bd Health Q. Bull., 1942, **7**: No. 3, 18–20.—**Coit, H. L.** Medical milk charities. Pediatrics, N. Y., 1911, **23**: 291–7.—**Dinnyés, P.** [A novel plan for assuring the amount of milk distributed free to mothers and children] Népegészségügy, 1941, **22**: 73–7.—**Free** milk scheme. Rep. Dep. Local Gov. & Pub. Health, Dubl., 1933–34, 68; 216.—**Milk** (The) in schools scheme. Med. Off., Lond., 1941, **66**: 156.—**Milk-in-schools** scheme in New Zealand. Canad. J. Pub. Health, 1945, **36**: 42.—**Milk** in schools schemes [Scotland] Annual Rep. Dep. Health Scotland, 1938, **9**: 54–6; 1939, **10**: 55.—**Penny** milk in a wartime health program. Hartford Health Bull., 1943, **8**: 3.—**Supply** (The) of milk to school children. J. Am. M. Ass., 1942, **118**: 63.

MILK cream.

See also **Milk fat; Milk product,** Skimmed milk.

Townsend, C. W. Cream for the home modification of milk. 8p. 12° Bost., 1903.

Boston M. & S. J., 1903, **148**:

Caulfield, W. J., Nelson, F. E., & Martin, W. H. Measuring the sanitary quality of market cream. J. Milk Techn., 1940, **3**: 245–54.—**Chollet, A.** La désacidification des crèmes. Lait, 1927, **7**: 43–5.—**Hogner, R.** Grädde och mjölk. Hälsovännen, Stockh., 1910, **25**: 123.—**Jeannier, P. J.** De la crème. J. chim. méd., Par., 1866, 5. sér., **2**: 148–51.—**Kopatschek, F.** Crema de leche. In his Manual lab. quím., B. Air., 1942, 219.—**Rosell, J. M.** Les crèmes de qualité. Lait, 1939, **19**: 379–82.—**Shelmerdine, E. K.** Cream and whole milk calculation. N. York M. J., 1907, **85**: 983.—**Shrader, J. H., & Craig, R. S.** Cream quality and sanitary control. Am. J. Pub. Health, 1926, **16**: 897–901.—**Van Wagtendonk, W. J., & Wulzen, R.** A dietary factor, essential for guinea pigs; isolation from raw cream. Arch. Biochem., N. Y., 1942–43, **1**: 373–7.

—— Adulteration.

Cream; presence of emulsified vegetable fats [Law reports] Brit. Food J., 1939, **41**: 108.—**Cream;** synthetic not artificial. Ibid., 1940, **42**: 47.—**Linon, G.** Sur un jugement de relaxe rendu en matière d'écrémage de lait. Rev. méd. vét., 1947, **10**: 221–5.—**O'Brien, R. G.** Addition of foreign substance to cream. Rep. Dir. Pub. Health N. S. Wales (1938) 1940, 58.

—— Alterations.

Jackson, C. J., Howat, G. R., & Hoar, T. P. Discoloration and corrosion in canned cream. p.284–90. 25½cm. n. p., 1936.

Karaciolo Yáñez, M. *Contribución al estudio de la maduración artificial de cremas [Chile] 20p. 26½cm. Santiago, 1943.

Chollet, A. La maturation spontanée des crèmes. Lait, 1928, **8**: 282–4.—**Dam, W. v., & Holwerda, B. J.** L'influence du degré d'acidité élevée de la crème sur le teneur en matière grasse du babeurre et sur la durée du barattage (transl.) Ibid., 1929, **9**: 22–5.—**Pien, J.** Etude de la dilution des crèmes et de son influence sur la composition des babeurres. Ibid., 1943, **23**: 119–40.—**Rodenkirchen, J.** Untersuchungen über fadenziehenden Rahm. Zbl. Bakt., 1. Abt., Orig., 1939, **144**: Beih., 187; Disc., 196.

—— Analysis.

Crème. Bull. san. pub., Brux., 1949, **11**: 76–8.—**Lindet.** Le dosage de la matière grasse dans la crème. Ann. falsif., Par., 1915, **8**: 203; 291.—**Liverseege, J. F.** Cream. In his Adulter. & Analys. Foods, Lond., 1932, 261–7.—**Moyer, L. S.** Electrokinetic aspects of surface chemistry; the composition of the surface film on the fat droplets in cream. J. Biol. Chem., 1940, **133**: 29–38.—**Shelmerdine, E. K.** Cream and whole milk calculation. N. York M. J., 1907, **85**: 983.—**Skeltin, F. M.** A study of the factors affecting the viscosity of cream. Summaries Doct. Diss. Univ. Wisconsin, 1942, **7**: 49–51.

—— Bacteriology.

Burri, R. La bactériologie de la crème et du beurre. Lait, 1932, **12**: 979–92.—**Hódosy, J.** [The azurufin-reductase test and its value for the determination of bacteria in cream] Allatorv. lap., 1936, **59**: 298–300.—**Robinton, E. D., Borman, E. K., & Mickle, F. L.** Preliminary bacteriological study of market creams. J. Milk Techn., 1941, **4**: 253–7. ——— Bacteriological indices of the sanitary quality of market cream. Am. J. Pub. Health, 1942, **32**: 464–70.—**Robinton, E. D., & Genung, E. F.** The effect of incubation temperature upon certain organisms cultured in cream. J. Bact., Balt., 1942, **43**: 778.

—— Pasteurization.

Brown, W. H., & Ellikey, P. R. The effect of flash pasteurization and subsequent treatment on the phosphatase value of cream. J. Bact., Balt., 1942, **43**: 118.—**Chilson, W. H., & Collins, M. A.** Application of the resazurin test in determining the quallty of pasteurized cream. J. Milk Techn., 1940, **3**: 334–40.—**Mattick, A. T. H.** Les effets de la pasteurisation sur la crème. Lait, 1926, **6**: 440–8.—**O'Brien, R. G.** Investigations carried out in regard to milk and cream; pasteurisation of cream by the Flash process. Rep. Dir. Pub. Health N. S. Wales, 1937, 25–7.

MILK cream (sour)

Dam, W. v. L'influence de la concentration des albuminoides solubles de la crème acidifiée sur la teneur en matière grasse du babeurre et sur la durée du barattage (transl.) Lait, 1928, **8**: 897–902.—**Otto, P.** Ein Beitrag für die Notwendigkeit der Gewährleistung einwandfreier Beschaffenheit beim Bezuge von Rahmsäuerungs-Reinkulturen. Molkereiztg, 1907, **17**: 529.—**Seidenberg, A.** The detection of gelatin in sour cream. J. Indust. Chem., 1913, **5**: 927.—**Szakáll, I.** [Data on the acridity of milk cream] Allatorv. lap., 1938, **61**: 351.—**Zarins, F., & Brants, K.** Verfahren zur photometrischen Bestimmung des Acetoins und Diacetyls in den Säureweckern und im Sauerrahm. Zschr. Lebensmitteluntersuch., 1943, **86**: 19–38.

MILK-defect.

See also **Milk composition; Milk fermentation.**

Fournier, A. Sur les souillures du lait. Rev. fr. pédiat., 1935, **11**: 771–4.—**Hoton, L.** La réglementation du lait malpropre. Lait, 1940, **20**: 287–91.—**Houdinière, A.** Considérations sur une classification des laits impropres à la consommation. Ibid., 1941, **21**: 367–72.—**Lentz, R. W.** Milchfehler, ihre Verhütung und Behebung. Berl. tierärztl. Wschr., 1936, **52**: 201.—**Mathieu, L.** Les laits suspects. Rev. internat. falsif., 1907, **20**: 164.—**Wolff, A.** Ueber einen Fall von nicht gerinnender, käsiger Milch und nicht reifendem, bitterem Quark. Zbl. Bakt., 2. Abt., 1909, **24**: 361–73, 3 pl.

—— Abnormal milk.

Van Rensburg, S. W. J. *The secretion of abnormal milk by quarters free from known pathogens [Vet.] p.91–226. 24cm. Pretoria, 1947.

Onderstepoort, J. Vet. Sc., 1947, 22.

Hastings, E. G., & Beach, B. A. A further study of the production of milk of abnormal composition by cows free from udder streptococci. J. Agr. Res., 1939, **58**: 543–56.—**Heuser, G.** Anormale Stallprobenmilch. Zschr. Untersuch. Nahrungsmitt., 1910, **19**: 438–41.—**Pounden, W. D.** Abnormal milk. North Am. Vet., 1944, **25**: 212; 223.

—— Blood.

Kamoto, K. Wagyū ni okeru bunben-zen no ketuyō-nyū ni tuite [The blood-like milk of Japanese cows before parturition] Sōgō zyūigaku zassi, 1948, **5**: 114.—**Meuch, K.** Behandlung des Blutes resp. Hämoglobins in der Milch, des sog. Blutmelkens bei Kühen, durch Luftinfusion vermittelst des Luftfilters nach Ewers-Waren. Berl. tierärztl. Wschr., 1906, **22**: 4.—**Pusch.** Blutmelken beim Rinde. Deut. tierärztll. Wschr., 1904, **12**: 431.

—— Causes.

Bahrs, J. *Beitrag zur Kenntnis des Entstehens von Milchfehlern: 1. Die Entwicklung der Bakterienflora in Schlempemilch unter Berücksichtigung der Pufferung der Milch; 2. Die Abhängigkeit des Wachstums einiger alkalibildender Organismen von der Wasserstoffionenkonzentration [Kiel] 52p. 8° Borna-Lpz., 1933.

Abel, J. Ueber die Ursachen des unreellen Gebarens im Verkehr mit Milch und Vorschläge zu ihrer Beseitigung. Deut. Vjschr. öff. Gesundhpfl., 1909, **41**: 484–504.—**Baker, J. A., & Little, R. B.** A virus causing abnormal milk in cattle. Proc. Soc. Exp. Biol., N. Y., 1946, **63**: 406.—**Ritter, W.** Oxydative Veränderungen in Milch, Rahm und Butter. Mitt. Lebensmitteluntersuch., Bern., 1935, **26**: 145–54.

—— Detection.

Jastram, H. *Untersuchungen über die Verwendbarkeit der Labhemmprobe nach Schern zur Erkennung der Milch galtkranker Kühe. 23p. 8° Giessen, 1937.

Siegert, K. O. A. *Zellanalytische Studien an der Milch galtinfizierter Kühe. 80p. 8° Lpz., 1931.

A. La constante moléculaire simplifiée et les laits pathologiques. Schweiz. Apoth. Ztg, 1935, **73**: 427.—**Baker, J. C., & Van Slyke, L. L.** A method for the preliminary detection of abnormal milk based on the hydrogen ion concentration. J. Biol. Chem., 1919, **40**: 357–71.—**Bischoff, O.** Die Geschmacksprobe und die Chlorbestimmung als wertvolle Hilfsmittel zur Erkennung pathologischer Milch. Deut. tierärztl. Wschr., 1929, **37**: 147–51.—**Cone, J. F.** The leucocyte count and the chloride content of milk from bovine udders with mild streptococcic infections. J. Milk Techn., 1940, **3**: 341–5. Also Vet. Bull., Lond., 1942, **12**: 2 (Abstr.)—**Fay, A. C., Cave, H. W., & Atkeson, F. W.** Detection of mastitis by the brom-thymol-blue test, leucocyte count, and the microscopic examination of incubated samples of milk. Cornell Vet., 1938, **28**: 40–50.—**Gräub, E., & Zschokke, W.** Die Erkennung krankhaft veränderter Milch durch die Brom-Thymolprobe und die prophylaktische Impfung gegen den gelben Galt. Schweiz. Arch. Tierh., 1929, **71**: 399–410.—**Hadwen, S., & Gwatkin, R.** The detection of abnormal cow's milk by microscopic methods. Canad. J. Res., 1939, **17**: Sect. D, 225–44, 4 pl. Also Vet. Med., Chic., 1940, **35**: 573.—**Jespersen, E. C.** Bovine mastitis and the microscopic examination of milk as a laboratory means of diagnosis. North Am. Vet., 1945, **26**: 33–5.—**Koestler, G.** Zum Nachweis der durch Sekretionsstörung veränderten Milch. Mitt. Lebensmitteluntersuch., Bern, 1920, **11**: 154–69.—**Krenn, J.** Studien über die elektrische Leitfähigkeit der Milch; Erkennung krankhaft veränderter Milch. Zschr. Untersuch.

Lebensmitt., 1929, 57: 148–77.—**McCulloch, E. C.** The rapid detection of mastitic milk by a portable electrometric device. Vet. Med., Chic., 1940, 35: 158–64.—**Marçon, J.** Diagnostic au laboratoire d'un lait de mammite streptococcique. Bull. Ass. diplôm. microb., Nancy, 1949, No. 36, 17–21.—**Methodik** der Untersuchung von Einzelmilchproben auf gelben Galt. Milchwirtsch. Zbl., 1942, 71: 37.—**Methodik** der Untersuchung von Mischmilch auf Mastitis-Sekret. Ibid., 39.—**Murphy, J. M.** The use of strict foremilk in the study and diagnosis of chronic bovine mastitis. Cornell Vet., 1943, 33: 48–51.—**Roemmle, O.** Ueber Vormelkschalen und ein Beitrag zur Diagnose der Streptokokkenmastitis. Zschr. Fleisch Milchhyg., 1930–31, 41: 235–9.—**Schranz, F.** La recherche des laits malades dans la pratique. Lait, 1927, 7: 303–6.—**Schützler, K.** Ein neuer Weg zur Erkennung kranker Milch in Verbindung mit der Fettbestimmung; säurefreie Morsin-Methode. Zschr. Fleisch Milchhyg., 1926–27, 37: 277.—**Vuillaume, R.** Contribution à l'étude de l'acidité des laits anormaux. Lait, 1934, 14: 12–25.—**Ziegler, M.** Weitere Untersuchungen über das Zellbild der Milch bei tuberkulöser Mastitis. Zschr. Infektkr. Haustiere, 1937, 51: 176–84.

—— Discoloration.

Davies, W. L. Beet taint in milk. Rep. Brit. Ass. Advance. Sc., 1935, 471.—**Forest, M.** Le lait au roux. Nourrisson, 1919, 7: 217–21.—**Larcher, O.** Etude générale sur la lait rouge, suivie d'un rapport sur un nouvel exemple de cette altération. Bull. Soc. centr. méd. vét., Par., 1877, 31: 126–40.

—— Effect of conditions of dairy cow.

See also **Milk composition**; Biological changes.

Burkey, L. A., Sanders, G. P., & Cone, J. F. The sequence of bacterial and chemical changes occurring in mastitis milk. J. Bact., Balt., 1936, 31: 88.—**Davis, D. J.** Public health aspects of mastitis. J. Am. Vet. M. Ass., 1938, 93: 19.—**Diener, P.** Untersuchungen über die Milch scheidenkatarrhkranker Kühe. Zschr. Fleisch Milchhyg., 1920–21, 31: 141; passim.—**Experience** with an epidemic. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 93–7.—**Haupt, H.** Zur Beurteilung der Milch von streptokokkenkranken Kühen im Rahmen der sanitätspolizeilichen Lebensmittelkontrolle. Arch. wiss. prakt. Tierh., 1930, 61: 173–6; Erwiderung von M. Seelemann, 177–80.—**Knauer.** Beobachtungen über die Veränderungen der Milch galtkranker Kühe in ihren Beziehungen zur Käseherstellung. Deut. tierärztl. Wschr., 1931, 39: 579–81.—**Lenfeld, J., & Hökl, J.** Die biologischen Eigenschaften der Milch einer an chronischem Milzbrand des Euters erkrankten Milchkuh. Zschr. Fleisch Milchhyg., 1941, 52: 26–9.—**Milk** from diseased cow. Brit. Food J., 1942, 45: 15.—**Mohler, J. R.** Conditions and diseases of the cow injuriously affecting the milk. Bull. U. S. Hyg. Laborat., Wash., 1908, No. 41, 489–507.—**Murphy, J. M.** The general effect of staphylococcal infection on the biochemical composition of strict foremilk. Cornell Vet., 1943, 33: 52–6.—**Palmer, L. S., & Eckles, C. H.** Gestation versus stage of lactation as factors causing abnormal composition of cow's milk. Am. J. Dis. Child., 1917, 13: 413–9.—**Panisset, L.** Les infections de la mamelle; comment elles influent sur la valeur hygiénique du lait alimentaire et sur les dérivés du lait. Lait, 1935, 15: 905–15.—**Pröscholdt, O.** Beitrag zur Streptokokkenmastitis; Herdenkontrolle in Milchviehbeständen, die Zentralmolkereien angeschlossen sind, zur Erzielung einwandfreier gesunder Milch. Arch. wiss. prakt. Tierh., 1930, 61: 445–60.—**Prouty, C. C.** Studies on the leucocyte content of milk drawn from Brucella abortus infected udders. J. Bact., Balt., 1934, 27: 293–301.—**Schönberg, F.** Zum Einfluss des gelben Galts auf die Gelbfluoreszenz der Kuhmilch. Zschr. Fleisch Milchhyg., 1942–43, 53: 215.—**Seelemann, M.** Zur Beurteilung der Milch von streptokokkenkranken Kühen im Rahmen der sanitätspolizeilichen Lebensmittelkontrolle. Arch. wiss. prakt. Tierh., 1929, 60: 534–52.—**Smits, J. C. J. C.** Is het gebruik der melk van aan tonghlaar lijdende koeien schadelijk voor de gezondheid van den mensch, speciaal vor die van kleine kinderen? Ned. tschr. geneesk., 1912, 2: 980–3.—**Vagni, M.** Considerazioni pratiche su due casi di mastite streptococcica; terapia e vigilanza sanitaria del latte. Clin. vet., Milano, 1947, 70: 33–5.—**Your** milk; new treatment for serious cattle disease. Ninetynine, Lond., 1950, 9: 2.—**Zaribnicky, F.** Ueber den Einfluss von Krankheiten der Rinder auf die Milch. Arch. wiss. prakt. Tierh., 1913–14, 40: 355–81.

—— Flavor and odor.

Adams, H. S. Undesirable flavors in milk. In his Milk & Food Sanit., N. Y., 1947, 78–83.—**Effect** of garlic on the flavor and odor of milk. J. Am. M. Ass., 1937, 108: 1181.—**Fettick, O.** Eperszagot terjesztő baktérium (Pseudomonas fragaroidea Huss) mint tejhiba okozója. Allatorv. lap., 1910, 33: 519–21. ——— Szappanízű tej. Ibid., 1911, 34: 109. Also Zschr. Fleisch Milchhyg., 1910–11, 21: 389–92.—**Gondos, M. A.** Altérations oxydatives du lait et des produits laitiers, goût huileux-suiffeux. Lait, 1934, 14: 25–30.—**Guthrie, E. S.** The causes of bad flavors in milk. Cornell Vet., 1943, 33: 236–49.—**Krukovsky, V. N.** Photoinactivation of milk fat lipase and the origin of bitter flavor in milk. Science, 1947, 105: 286.—**Nevot, A.** Laits malodorants et à mauvais goût; influence de l'alimentation des vaches laitières; influence de certains traitements industriels. Rev. path. comp., Par., 1933, 33: 1037–45.—**Olson, H. C., & Hammer, B. W.** Organisms producing a potato odor in milk. J. Sc. Iowa Coll., 1934–35, 9: 125–7.—**Pien, J., & Herschdoerfer, S.** Les saveurs et odeurs anormales du lait. Lait, 1935, 15: 1; passim.—**Proks, J., & Groh, J.** Le gout défectueux, gout hulleux-ranci, suiffeux et amer du lait. Ibid., 370–81.—**Sadler, W., & Irwin, M. L.** Feed flavor or stable odor in milk caused by an atypical strain of Aerobacter oxytocum. Canad. J. Res., 1930, 3: 200–4.—**Sherman, J. M.** Abnormal milk flavors of non-bacterial origin. Cornell Vet., 1934, 24: 202–7.—**Thurston, L. M.** Oxidation in relation to off-flavors in milk and certain milk products. Food Res., 1937, 2: 255–72.—**Trillat, A., & Sauton.** Sur le lait amer. C. rend. Acad. sc., 1907, 144: 926–9. ——— L'amertume du lait et des fromages. Ann. Inst. Pasteur, Par., 1908, 22: 244–59.—**Whitnah, C. H., Peterson, W. J.** [et al.] Carotene balance and blood-carotene levels in heifers and lactating dairy cows, and their relation to the production of off-flavor milk. J. Agr. Res., 1939, 58: 343–55.

—— Pus.

See also **Milk analysis,** Leukocytes.

Pock, H. v. *Beitrag zur Frage des Vorliegens mikroskopisch nachweisbaren Eiters in der Milch. 48p. 21cm. Lpz., 1937.

Ehrlich, C. Untersuchungen über die Feststellungen von Milcheiter. Zschr. Fleisch Milchhyg., 1939, 49: 274; 289.—**Höyberg, H. M.** Eine Methode zum Nachweis von Kühen, deren Milch eine abnorme Menge von Leukozyten samt Fibrinfasern und Bakterien enthält. Ibid., 1910–11, 21: 133–47.—**Kuhn, E.** Ueber den bakteriologischen Nachweis von Eiter und Galtstreptokokken in roher und erhitzter Milch. Ibid., 1935–36, 46: 443.—**Lerche, M., Nieder, H. J., & Zinn, E.** Die Untersuchung roher und erhitzter Milch auf mikroskopisch nachweisbaren Eiter. Ibid., 1936–37, 47: 25; 50.—**Wiedmann, F.** Eiter in der Milch. Zschr. Untersuch. Lebensmitt., 1934, 67: 174–8.

—— Ropy milk.

Barthel, C. Zwei Fälle von schleimiger Milch. Zbl. Bakt., 2. Abt., 1910, 28: 614–7.—**Buchanan, R. E., & Hammer, B. W.** Slimy and ropy milk. Science, 1915, n. ser., 42: 320.—**Freear, K., & Venn, E. C. V.** The acidity of ropy milk. Biochem. J., Lond., 1920, 14: 422–31.—**Gwatkin, R.** Ropy milk. Canad. J. Comp. M., 1938, 2: 113.—**Kjos-Hanssen, B.** Seig (slimet) melk som melkefeil. Norsk vet. tskr., 1944, 56: 75–94.—**Kluyver, A. J.** [Slime formation in milk] Ned. tschr. hyg. microb., 1928–29, 3: 301–7, pl.—**Laxa, O.** Stinkende fadenziehende Milch. Zbl. Bakt., 2. Abt., 1936, 95: 125–30.—**Mader, C. K.** Ropy milk; its cause and prevention. Canad. J. Comp. M., 1940, 4: 203–5.—**Mounce, M. J.** A study of the organisms associated with an outbreak of ropy milk. Proc. R. Soc. Canada, 1923, 3. ser., 17: Sect. 5, 115–22.—**Sato, Y.** Untersuchungen über Schleimbildung in Milch. Zbl. Bakt., 2. Abt., 1907, 19: 27–40.—**Stark, C. N.** Ropy milk; its causes and correction. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, 21: 224–35. ——— & **Foter, M. J.** The importance of feeds as a source of ropy milk organisms. J. Bact., Balt., 1931, 21: 37.

—— Sweet curdling.

See also **Milk coagulation.**

Ehrlich, C. Die Süss- oder Labgerinnung der Milch, ein beachtenswerter Milchfehler. Deut. tierärztl. Wschr., 1948, 55: 333–5.

MILK delivery.

See also **Milk (bottled) Milk care; Milk distribution.**

Abbott, G. The delivery of milk and its care in the home. Arch. Pediat., N. Y., 1906, 23: 909–13.—**Adams, F. E.** Precautions to be taken in the delivery of milk where infectious disease is present. Q. Bull. Ohio State Bd Health, 1910, 2: 256.—**Every** other day milk deliveries. New Hampshire Health News, 1942, 20: No. 4, 7–9.—**Health** officers urged to permit milk plant deliveries by standard time. Health News, Alb., 1942, 19: 27.—**Herz, J.** Zur Milchlieferung in die Städte. Molkereiztg, 1909, 19: 99.—**Milk;** a question of place of delivery. Brit. Food J., 1941, 43: 3.—**Molyneux, G. W.** Daylight delivery of milk from a public health standpoint. Westchester Health, 1934, 4: No. 8, 1.

MILK depot.

See also **Milk (certified) Milk control,** Organization; **Milk supply; Milk transportation.**

Bertarelli, E. Considerazioni sulle centrali del latte. Ann. igiene, 1935, 45: 638–42.—**Bettinotti, S. I.** El arancel del lactarium social. Arch. argent. pediat., 1941, 16: 277–80. ——— El servicio social del lactario; escuela práctica de visitadoras. Ibid., 586; 614.—**Delgado Urdaneta, A.** Estaciones de leche; fines, organización, funcionamiento. Unidad san., Caracas, 1947, 1: 61–6.—**Hökl, J., Svěrák, A., & Liška, A.** Jaká je teplota mléka dodávaného do sběren? Zvěr. obzor, 1941, 34: 266.—**Kerr, J. W.** Certified milk and infants' milk

depots. Bull. U. S. Hyg. Laborat., Wash., 1908, No. 41, 565–88.—**Kourie, A.** Qué son las Estaciones de leche? Notas salud púb., Trujillo, 1947, **2**: No. 9, 12.—**Macri, G.** Igiene e centrali del latte. Boll. chim. farm., 1936, **75**: 33–6.—**Penso, G.** Indagini e considerazioni sulla centrale del latte di un piccolo centro. Rendic. Ist. san. pubb., Roma, 1940, **3**: 389–408.—**Polese, N.** Considerazioni sulle centrali del latte. Ann. igiene, 1936, **46**: 168–75.—**Wile, I. S.** Educational responsibilities of a milk depot. Bull. Am. Acad. M., 1910, **11**: 264–78. Also N. York M. J., 1910, **91**: 124–9. ——— Milk and milk depots. Tr. Luzerne Co. M. Soc. (1909) 1910, **17**: 56–68.

—— Control.

Gallo, P. El control higienico-sanitario de la leche en la central lechera. Mem. Congr. venezol. leche, 1939, 1. Congr., 325–9.—**Kourie, A.** Aspecto médico de las estaciones de leche. Prev. social, Trujillo, 1948, 15.—**Rondani, V.** La difesa igienica dell'alimento principe per la razza: il latte; necessità e urgenza di provvedimenti; se non centrali del latte almeno le stazioni di controllo. Rass. med. lavoro indust., 1930, **1**: 204–9.

—— Geographical references.

Battaglini, U. Relazione sulla attività della Centrale del latte di Cheren nell'anno 1944. Boll. Soc. ital. med., 1945, **5**: 129–49.—**Ebner.** Ueber die Milchzentrale in Nürnberg. Münch. med. Wschr., 1920, **67**: 1078.—**Loi** du 16 juin 1938–XVI, portant règlement sur l'installation et le fonctionnement des centrales laitières [Italie] Bull. Off. internat. hyg. pub., Par., 1940, **32**: 426–9.—**Municipal** (The) lactarium of Buenos Aires. Bol. Of. san. panamer., 1941, **20**: 829–31.—**Ohlen.** Milk depôts in Germany. Pub. Health, Lond., 1904–05, **17**: 655–63.—**Orellana, D.** Líneas generales para el funcionamiento de una estación de leche en polvo de tipo rural. Unidad san., Caracas, 1946, **5**: 12–6.—**Repetto, S.** La Centrale del latte della Grande Genova. Igiene mod., 1938, **31**: 171–9, 2 pl.—**Resolución** sobre depósitos de leche y expendios fijos. Rev. san., Caracas, 1940, **5**: No. 2, 295–8.—**Sallovitz, M.** Anteproyecto de un establecimiento con lechos de fangos activados para la ciudad de Córdoba, República Argentina. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 916–21.—**Sforza, M.** La Centrale del latte di Asmara nel primo biennio di attività. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1944, **4**: 3–49.—**Tron, G.** Il controllo sanitario della Centrale del latte di Milano. Boll. Ist. sieroter. milan., 1931, **10**: 316–31. Also Gior. Soc. ital. igiene, 1931, **53**: 196–215.

MILK diet.

See **Milk therapy.**

MILK disinfection.

See with **Milk sterilization.**

MILK distribution.

See also **Milk delivery; Milk (market) Milk merchandizing; Milk supply; Milk transportation.**

Anderson, E. B. Modern methods of handling and distributing milk. Brit. M. Bull., 1947, **5**: 208–14.—**Arosteguli, G.** The need of a good distribution and inspection of milk. Rep. Am. Pub. Health Ass., 1905, **30**: 185–92.—**Mechanical** cow. J. Am. M. Ass., 1944, **125**: 1041.—**Walford, E.** Railway transit and distribution of milk. Pub. Health, Lond., 1905–06, **18**: 583–8.

—— Geography.

Distribution of milk. Lancet, Lond., 1940, **2**: 730.—**H.** Milk distribution and the tire shortage. New Hampshire Health News, 1942, **20**: No. 3, 12.—**Ikeda, S.** Tōkyō-si titi kyōkyū no genzyō ni tuite [Present conditions of distribution of milk in the city of Tokyo] Kōsei kagaku, 1942, **3**: 593.—**Lassablière, P.** Quelques voeux sur la distribution du lait actuel. Médecine, Par., 1942, **23**: No. 3, 32–5.—**Lesné, E., & Ribadeau-Dumas, L.** Sur la répartition du lait destiné à la population de Département de la Seine. Bull. Acad. méd., Par., 1940, **123**: 619–22.—**Milk** distribution in wartime London. J. Am. Diet. Ass., 1942, **18**: 161.—**Scheme** for municipal distribution of milk at Manchester. Med. Off., Lond., 1920, **23**: 185–87.—**Weiss, S.** La distribution du lait au dixième arrondissement de Vienne (Autriche) Ann. méd. chir. inf., Par., 1906, **10**: 115–25.

—— Problems.

Cripps, J. The problem of milk distribution. Med. Press & Circ., Lond., 1937, **195**: 489–93.—**Quinton, J. T.** Milk distribution and its problems. J. R. San. Inst., 1936–37, **57**: 478–83.

—— special.

Lereboullet. Sur la distribution du lait aux nourrissons. Bull. Acad. méd., Par., 1942, **126**: 360; 397.—**Malbohan, A.** Problém distribuce mléka pro kojence. Lék. listy, 1946, **1**: 468.—**Thieulin, G.** Qualité hygiénique du lait faisant l'objet de distributions spéciales. Bull. Acad. méd., Par., 1942, **126**: 82–6

MILK donor.

See with **Breast-milk.**

MILK enzyme

See also **Milk fermentation; Milk testing.**

Gagnoni, E. Dei fermenti solubili nel latte; studio sul ricambio materiale di popponti nutriti con latte materno privo di fermenti. p.295–363. 24cm. Siena, 1905.

Atti Accad. fisiocr. Siena, 1905, 4. ser., **17**:

Giffhorn, A. *Untersuchungen über Enzyme in der Kuhmilch. 45p. 8° Berl., 1909.

Vandevelde, A. J. J. Nouvelles recherches sur les ferments solubles du lait. 87p. 22cm. Brux., 1907.

Forms No. 2, v.2, 2. sér., Mém. Acad. Belgique, 1907.

Belloni, G. L'enzimoreazione con disintegrati di latte umano e vaccino nel 1° anno di vita. Arch. biol., Genova, 1924, **1**: 230–5.—**Brahm, C.** Die Fermente der Milch. Zbl. Physiol., Wien, 1907, n. F., **2**: 81; 129.—**Fredericq, L., & Jorissen, A.** Nouvelles recherches sur les ferments solubles du lait [Rap.] Bull. Acad. Belgique, 1906, 820–30.—**Grimmer, W.** Fermente der Milch. In: Fermente (Oppenheimer, C.) Lpz., 5. Aufl., 1929, **3**: 1488–97. ——— Fermente in der Milchwirtschaft. Ibid., **4**: 38–43. Also in Meth. Fermentforsch. (Bamann, E., & Myrbäck, K. D. R.) Lpz., 1941, **3**: 2846–53.—**Koning, C. J.** Melk-enzymen. Tschr. v. veeartsenijk., 1905–06, **33**: 617–29.—**Monvoisin, A.** Sur quelques diastases du lait. Rev. gén. lait, 1906–07, **6**: 265–72.—**Rothenfusser, S.** Ueber den Nachweis von Fermenten unter besonderer Berücksichtigung der Milch. Zschr. Untersuch. Nahrungsmitt., 1908, **16**: 63–74.—**Seligmann, E.** Die Fermente der Milch. In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909, 306–27.—**Splittgerber, A.** Ueber den gegenwärtigen Stand unserer Kenntnisse von den Peroxydasen, Katalasen und Reduktasen der Milch. Pharm. Zhalle, 1912, **53**: 1289; passim.—**Vandevelde, A. J. J.** De enzymen van de melk. Handel. Ned. natuur geneesk. congr., 1907, 11. Congr., 216–20. Also Rev. gén. lait, 1906–07, **6**: 361; 385; 414.

—— Amylase.

Bengen, M. F., & Bohm, E. Ist die Amylaseprobe zum alleinigen Nachweis genügender Dauererhitzung geeignet? ein Beitrag zur Kenntnis der Milchamylase. Zschr. Untersuch. Lebensmitt., 1935, **69**: 146–52.—**Chrzaszcz, T., & Goralowna, C.** Ueber die Diastasemenge der Kuhmilch unter pathologischen Bedingungen. Biochem. Zschr., 1927, **180**: 263–71.—**Heiserer, G.** Beiträge zur Kenntnis des Amylasegehaltes der Kuhmilch. Arch. Hyg., Münch., 1926, **97**: 195–218.—**Kluge, H.** Beitrag zur Kenntnis der Milchdiastase. Zschr. Unters. Lebensmitt., 1933, **65**: 71–84.—**Manicatide, M., Bratescu & Popa, M.** Détermination quantitative de l'amylase dans le lait. C. rend. Soc. biol., 1935, **120**: 657.—**Schenk, R.** Untersuchungen über den Amylasegehalt der Milch verschiedener Tiere. Arch. wiss. prakt. Tierh., 1928, **58**: 375–84.—**Schloemer, A.** Die Amylase der Kuhmilch als α-Amylase und der Einfluss der Temperatur und der Wasserstoffionen-Konzentration auf ihre Wirksamkeit. Zschr. Untersuch. Lebensmitt., 1936, **71**: 311–8.—**Weinstein, P.** Amylase-Nachweis in der Milch. Ibid., 1934, **68**: 73–80.

—— Catalase.

Kuntze, W. Abschätzung des Keimgehalts und Prüfung der Milch nach neueren Methoden, mit besonderer Berücksichtigung der Katalaseprobe. p.1–53. 24cm. Jena, 1911.

Zbl. Bakt., 2. Abt., Jena, 1911, **30**:

Bertin-Sans, H., & Gaujoux, E. Appréciation du degré d'altération d'un lait; valeur relative de la catalasimétrie et de la réductasimétrie. Hyg. viande, 1912, **6**: 65–71.—**Bordas, F., & Touplain, F.** Sur la présence des catalases et des péroxydases dans le lait de vache. Ann. falsif., Par., 1909, **2**: 193–6.—**Brissker, F.** Ein neuer einfacher Apparat zur Katalasebestimmung in der Milch. Molkereiztg, 1915, **25**: 81.—**Burri, R., & Staub, W.** Nouvel appareil pour la détermination de la catalase du lait. Rev. gén. lait, 1908–09, **7**: 272–4.—**Faitelowitz, A.** Ueber die Katalase der Kuhmilch. Zschr. Untersuch. Nahrungsmitt., 1911, **21**: 294.—**Hülphers, G.** Några undersökningar å katalashalten i mjölk, särskildt mastitmjölk. Sven. vet. tskr., 1911, **16**: 149–55.—**Jacobsen, A.** Om katalaseundersøkelser i melk. Tskr. Norske lægeforen., 1911, **31**: 10–6.—**Koestler, G.** Ueber die Katalaseprobe. Molkereiztg, 1911, **21**: 541.—**Monlux, A. W.** The catalase test in the diagnosis of infectious bovine mastitis. Cornell Vet., 1948, **38**: 389–405.—**Pritzker, J.** Beitrage zur Katalasebestimmung in der Milch. Schweiz. Apoth. Ztg, 1915, **53**: 437; 449; 461.—**Revis, C.** The catalase of milk as an indicator of disease. J. R. Inst. Pub. Health, 1910, **18**: 231–7.—**Sarthou, J.** Détermination indirecte de la richesse bactérienne du lait de vache; catalasimétrie. J. pharm. chim., Par., 1910, 7. ser., **1**: 113–8. ——— Détermination rapide de la valeur diététique d'un lait; dosage

der catalases bactérienne; catalisimétrie. Arch. méd. pharm. mil., 1911, 57: 29–40.—**Zaykowsky, J., & Alexeev, P.** Die Katalase der Milch; die Bestimmung der Milchkatalase mit $KMnO_4$-Titration. Fermentforschung, 1930, 12: 55–66.—**Zeilinger, A.** Ueber die Herkunft der originären Katalase der Kuhmilch. Biochem. Zschr., 1933, 257: 450–62.

—— Effect of physical agents.

See also **Milk modification,** Heated milk.

Kasahara, M., & Yosinare, T. Ueber den Einfluss der ultrakustischen Schallwellen auf die Milchenzyme. Zschr. Kinderh., 1937–38, 59: 462–4.—**Kay, H. D.** A light-sensitive enzyme in cow's milk. Nature, Lond., 1946, 157: 511.

—— Fibrogenase.

Buruiana, L. Une nouvelle diastase dans le lait, la fibrogénase. Lait, 1941, 21: 138–40.

—— Glycerophosphatase.

Minato, I. Nyūzyū no glycerophosphatase ni tuite [On the glycerophosphatase of milk] Osaka igakkai zassi, 1933, 32: 1191–210.

—— Indophenol oxydase.

Bigwood, E. J., & Thomas, J. De l'existence d'une indophénol-oxydase dans le lait et le problème des déhydrases oxytropes. Ann. physiol., Par., 1935, 11: 937–41. ——— De la présence d'une indophénol-oxydase dans le lait cru frais. C. rend. Soc. biol., 1935, 118: 1637–9. ——— & **Herbo, H.** De l'action de l'oxyde de carbone sur l'indophénol-oxydase du lait. Bull. Soc. chim. biol., Par., 1935, 18: 182–4.

—— Kinase.

Hougardy, A. Sur l'existence d'une kinase dans le lait de vache. Arch. internat. physiol., Liége, 1906–07, 4: 360–8.

—— Lipase.

Lucca, A. Ricerche sulla lipasi del latte. Riv. clin. pediat., 1931, 29: 1056–71.—**Reder, R. E.** The quantative determination of lipase in milk. Proc. Oklahoma Acad. Sc. (1934) 1935, 15: 49.—**Uesasa, K.** Nyū sibō-kōso ni kan-suru kenkyū [Studies on the fat-splitting enzymes of milk] Mitt. Jap. Ges. Gyn., 1941, 36: 934–50.

—— Oxydase.

Acqua, M. Sull'analisi quantitativa dei fermenti ossidanti nel latte. Clin. pediat., Mod., 1928, 10: 567–74.—**Aloy, J., & Valdiguie, A.** Sur l'oxhydridase du lait. C. rend. Soc. biol., 1921, 85: 333.—**Bigwood, E. J., & Thomas, J.** Le système oxydasique du lait et le cytochrome. Ibid., 1935, 119: 337–9. ——— & **Herbo, H.** De la réversibilité de l'action inhibitrice de l'acide cyanhydrique sur l'oxydase du lait. Ann. physiol., Par., 1936, 12: 690–2.—**Graziani, A.** Contributo allo studio dell' enzima ossidante nel latte. Gior. Soc. ital. igiene, 1907, 29: 145; 193.—**Jensen, O.** Om oprindelsen til komaelkens oxydaser og reduktaser. Dansk vidensk. selsk. forh., 1906, 295–314. Also Rev. gén. lait, 1906–07, 6: 34; 56; 85.

—— Perhydrase.

Michlin, D. Ueber die Perhydridase des Kuhcolostrums und der Kuhmilch. Biochem. Zschr., 1926, 168: 36–47.

—— Peroxydase.

Waentig, P. Die Peroxydasereaktion der Kuhmilch mit besonderer Berücksichtigung ihrer Verwendung zum Nachweis stattgehabter Erhitzung der Milch. p.464–535. 8° Berl., 1907.

Also Arb. Gesundhamt., 1907, 26:

Arakawa, T. An approximate estimation of milk peroxidase. Tohoku J. Exp. M., 1930, 16: 107–10.—**Bouma, A., & Dam, W. van.** Ueber den Einfluss des Säuregrades der Milch auf die Geschwindigkeit der Abtötung der Peroxydase durch Erhitzen. Biochem. Zschr., 1918, 92: 385–96.—**Brogi, G.** Osservazioni sulla determinazione quantitativa della perossidasi nel latte e nel colostro. Fol. med., Nap., 1943, 29: 613–23, tab.—**Eck, J. J.** Ueber das Verhalten der Kuhmilch-Peroxydase beim Erhitzen. Zschr. Untersuch. Nahrungsmitt., 1911, 22: 393–400.—**Elliott, K. A. C.** Milk peroxidase; its preparation, properties, and action with H_2O_2 on metabolites; with a method for determining small amounts of H_2O_2 in complex mixtures. Biochem. J., Lond., 1932, 26: 10–24.—**Eyrard, A., & Jouffret, R. J.** Etude d'une réaction péroxydasique appropriée pour la détection de l'eau oxygénée dans les laits de consommation. Lait, 1943, 23: 141–7.—**Grewing, B.** Ueberden Einfluss von Konservierungsmitteln auf die Reaktionen der Milchperoxydase. Zschr. Untersuch. Nahrungsmitt., 1914, 28: 380–6.—**Grimmer.** Milchperoxydase und Milchalbumin. Zschr. Fleisch Milchhyg., 1915–16, 26: 340.—**Jona, T.** Sopra alcune reazioni perossidasiche del latte. Arch. farm. sper., 1913, 15: 122–30.—**Kastle, J. H., & Porch, M. B.** The peroxidase reaction of milk. J. Biol. Chem., 1908, 4: 301–20. Also Proc. Am. Soc. Biol. Chem., 1908, 4: p. xxxix.—**Keizer, D. P. R.** [Arakawa's reagent] Gencesk. tschr. Ned. Indië, 1940, 80: 1152–5.—**Kooper, W. D.** Sind Alkalität und Peroxydase der Milch identische Begriffe? Zschr. Untersuch. Nahrungsmitt., 1912, 23: 1–13.—**Masek, J.** L'influence de l'âge du lait sur la sensibilité de la réaction de Storch. Lait, 1936, 16: 941.—**Meyer, E.** Ueber den Einfluss der Milchsäuerung auf den Peroxydasenachweis mit der amtlichen Guajakprobe. Deut. tierärztl. Wschr., 1937, 45: 22.—**Schönberg, F., & Milbradt, H.** Zum Einfluss des Zellgehaltes in der Milch auf die Peroxydase-Probe. Ibid., 1942, 50: 69–71.—**Van der Burg, B.** La réaction de Storch. Lait, 1931, 11: 946–53.—**Yosimatu, S.** Nyūzyū peroxidase hannō ni eikyō-suru bussitu [Substances which influence the peroxidase reaction of milk] Zika zassi, 1934, 1722.

—— Phosphatase.

Anderson, E. B., Herschdörfer, Z., & Neave, F. K. The enzymes of milk; some notes on Kay and Graham's phosphatase test. Analyst, Lond., 1937, 62: 86–95.—**Contardi, A., Ravazzoni, C., & Osella, L.** Fosfatasi e fosfatesi del latte. Enzymologia, Amst., 1937, 3: 170–9.—**Fischer, O.** Ueber die Phosphatasereaktion zum Nachweis der Kurzzeit- und Dauererhitzung der Milch. Zbl. Bakt., 2. Abt., 1943–44, 106: 63 (Abstr.)—**Folley, S. J., & Kay, H. D.** Variations in the phosphomonoesterase content of the milk of the cow in relation to the progress of lactation. Enzymologia, Amst., 1936–37, 1: 48–54.—**Hög Pedersen, E.** La prueba de fosfatasa para controlar las leches stassanizadas. Mem. Congr. venezol. leche, 1939, 1. Congr., 225–8.—**Kay, H. D., & Neave, F. K.** Technique de l'épreuve de la phosphatase. Lait, 1938, 18: 1041–9.—**Leahy, H. W., Sandholzer, L. A., & Woodside, M. R.** Possible errors in the phosphatase test resulting from bacterial growth in milk. J. Milk Techn., 1940, 3: 183–8.—**Massart, L., & Vandendriessche, L.** La phosphatase du lait, un metalloprotéide. Enzymologia, Amst., 1943–45, 11: 261–5.—**Mikhlin, S. Y., & Shlygin, G. K.** Prostoe kačestvennoe opredelenie fosfatazy v moloke kak proba na ego pasterizovannost. Hig. & san., Moskva, 1950, 36–41.—**Mottier, M.** Notes sur la recherche de la phosphatase dans le lait. Mitt. Lebensmitteluntersuch., Bern, 1949, 40: 35–42.—**Paley, C.** A study of the effect of the growth of some organisms in milk on the phosphatase test. J. Milk Techn., 1939, 2: 251–3.—**Perry, N. A., & Doan, F. J.** Studies on the phosphatase test and its application to processed and treated milks. Nutrit. Abstr., Aberdeen, 1941–42, 11: 185.—**Riva, A., Schiavone, E. L., & Vadillo, E.** Aplicación de un equipo de campaña para la ejecución del test de fosfatasa de Scharer. Rev. Inst. bact. Malbran, B. Air., 1941, 10: 357–67.—**Scharer, H.** Further observations on the rapid phosphatase test. Am. J. Pub. Health, 1940, 30: 1206–10. ——— Laboratory control of milk under war conditions; the rapid phosphatase test. Ibid., 1943, 33: 396–8.—**Smith, M. D.** Kay and Graham's phosphatase test applied to Ontario milk. Canad. Pub. Health J., 1937, 28: 383–7.

—— Polypeptidase.

Abderhalden, R. Das Vorkommen von Polypeptidasen in der Milch. Fermentforschung, 1936–37, 15: 302–10.

—— Pyrophosphatase.

Guittonneau, G., Chevalier, R., & Jarrousse, H. Sur la présence dans le lait de vache de deux pyrophosphatases accumulables dans le beurre et le babeurre. C. rend. Acad. sc., 1944, 218: 1006–8.

—— Reductase (Schardinger enzyme)

See also **Milk chemistry,** Oxido-reduction; **Milk testing,** Reductase test.

Boer, H. W. de, Simons, S., & Vortman, N. J. M. [Relation of milking manipulations to the appearance of reductase] Tschr. diergeneesk., 1932, 59: 437–55.—**Hopkins, F. G., & Dixon, M.** Ueber die Isolierung des Schardingerenzyms aus Milch; eine Richtigstellung. Biochem. Zschr., 1925, 159: 482.—**Knobloch, E.** Polarographische Untersuchung von Schardinger-Enzym in Milch. Bull. internat. Cl. sc. math. Acad. sc., Praha (1943) 1944, 44: 358. ——— Die Lichtinaktivierung des Schardinger-Enzyms. Naturwissenschaften, 1944, 32: 43.—**Monvoison, A.** La réductase du lait frais. Rec. méd. vét., 1908, 85: 32–41.—**Römer, P. H.** Zur Schardinger-Reaktion der Kuhmilch. Biochem. Zschr., 1912, 40: 5–14.—**Rullmann, W.** Vorläufige Mitteilung über Römers Arbeit: Zur Schardinger-Reaktion der Kuhmilch. Ibid., 1913, 48: 155.—**Seligmann, E.** Ueber die Reductasen der Kuhmilch. Zschr. Hyg., 1906, 52: 161–78.—**Smidt, H.** Ueber die sogenannte Reduktase der Milch. Arch. Hyg., Münch., 1906, 58: 313–26.

—— Salolase.

Takai, S. Salolase content in human milk and Arakawa's reaction; salolase in human milk. Tohoku J. Exp. M., 1936, 29: 71–81.

—— Variation.

Chrzaszcz, T., & Goralowna, C. Einfluss der Fütterung auf die Enzymmenge der Kuhmilch. Biochem. Zschr., 1927, 180:

247–62.—**Niemczycki, S.** Rozpoznawanie zapalenia wymion zapomocą reakcyi enzymatycznych mleka. Przegl. wet., Lwów, 1914, **29**: 185–95.

—— Xanthine dehydrase.

Michlin, D., Jemeljanow, A., & Solowjewa, M. Ueber das Schardingerenzym und die Xanthinoxydase der Milch. Enzymologia, Amst., 1936–37, **1**: 151–5.—**Polanowski, M., Bandu, L., & Neuzil, E.** Estado físico-químico de la xantino-deshidrasa en la leche de vaca. Rev. san. vet., Madr., 1949, **4**: 509–16.—**Worden, A. N.** Xanthine oxidase activity of cow's milk. Nature, Lond., 1942, **152**: 505.

MILKER.

See also next heading.

Alkiewicz, J. Ueber ein neues Gewerbekennzeichen bei Melkern. Derm. Wschr., 1938, **107**: 1233.—**Bellesini, C.** Sulla fisiopatologia professionale delle mani dei mungitori. Med. lavoro, 1947, **38**: 81–7.—**Epstein, S.** Milker's eczema; an analysis of 42 cases. J. Allergy, 1948, **19**: 333–41.—**Ferrannini, L.** Asma professionale dei mugnai. Q. allergia, Milano, 1935, **1**: 113–24.—**Guszman, J.** [Dermatosis of milkers] Orv. hetil., 1933, **77**: mell., 203.—**Harrison, J.** Lancefield group B streptococci, Str. agalactiae, in the hands of milkers and others. Bull. Hyg., Lond., 1941, **16**: 409.—**Jiráseк, A.** [Panaritium in milkmaids] Cas. lék. česk., 1940, **79**: 260–2.—**Lebedeva, V. F., & Lebedev, I. A.** [Affections of the hands in milkers] Sovet. med., 1939, No. 8, 23–6.—**Ledo Dunipe, E.** Lesiones ungueales y cutáneas en los ordeñadores de ovejas. Medicamenta, Madr., 1949, **7**: pt 2, 155.—**May, J.** Contribución al estudio de las enfermedades adquiridas por el ordeñe. Rev. urug. derm. sif., 1937, **2**: 268–74.—**Maymone, S.** Patologia ed igiene dei mungitori, con particolare riguardo ad alterazioni professionali delle dita delle mani. Attual. med., Roma, 1949, **14**: No. 9, 7–10.—**Nikolaev, M. P.** [Suppurative diseases of the fingers in milkers] Sovet. khir., 1934, **6**: 861–70.—**Penso, G.** Meningotifo eruttivo, sporadico, benigno, a carattere professionale (maladie des fruitiers) Boll. Accad. med. Roma, 1936, **62**: 235.—**Pomus, B. I.** [Skin disease in milkers] Sovet. vrach. gaz., 1932, **36**: 548–52.—**Schönfeld, W.** Berufliche Hauterkrankungen in landwirtschaftlichen Betrieben Pommerns unter besonderer Berücksichtigung der Kuhpocken und eines daran sich anschliessenden Todesfalles. Med. Klin., Berl., 1934, **30**: 8–13.—**Tryb, A.** Ueber Hautveränderungen bei Melkern. In: Schädig. d. Haut. (Ullmann, K.) Lpz., 1926, **2**: 413–8.—**Weinshel, B. S.** [Les maladies des muscles et des articulations chez les trayeuses, les rapports professionels et prophylaxie de ces maladies] Sovet. med., 1939, No. 10, 21.—**Zurhelle, E.** Exanthemas and fever as result of skin affections in milkers. Ned. tschr. geneesk., 1936, **80**: 2104–10, pl.

MILKER'S nodules.

Olmes, H. *Ueber Melkerknoten und ihre Lokalisation. 39p. 8° Bonn, 1930.

Vierheilig, M. *Melkerknoten. 40p. 8° Erlangen-Bruck, 1935.

Ballarini, M. Contributo allo studio dei noduli dei mungitori. Atti Soc. ital. derm. sif., 1938, **1**: 724–30.—**Beck, J. R.** Milker's nodules; a clinical note. Delaware M. J., 1940, **12**: 180.—**Becker, F. T.** Milkers' nodules. J. Am. M. Ass., 1940, **115**: 2140–4.—**Bonnevie, P.** (Milker's nodes) Ugeskr. laeger, 1935, **97**: 143–7.—**Brants, J.** Ueber einen Fall von Melkerknoten. Arch. Derm. Syph., Berl., 1938–39, **178**: 87–91.—**Ceitlin, I. A.** [On the etiology of milker's nodules] In: Jubil. sborn. Bogolepov, Novosibirsk, 1933, 32–5, 2 pl. Also Sovet. vest. vener., 1934, **3**: 602–5.—**Cohen, I.** Melkerknoten. Ned. tschr. geneesk., 1941, **85**: 2616.—**Danbolt, N.** Budeiknuter en paravaksinal infeksjon fra kukopper til mennesker. Tskr. Norske laegeforen., 1949, **69**: 177–9.—**De Gregorio, E., & De Blasio, R.** Su di un caso di nodulo dei mungitori. Rinasc. med., 1938, **15**: 511, pl.—**Frieboes, V.** Ueber Melkerknoten. Deliber. Congr. derm. internat. (1935) 1935–37, 9. Congr., **2**: 435–8.—**Gottron, H.** Beitrag zur Aetiologie der Melkerknoten. Derm. Zschr., 1930, **58**: 207–21. —— Drei Fälle von Melkerknoten [illust.] Derm. Wschr., 1943, **116**: 335.—**Green, M. T.** Milker's nodule. N. Orleans M. & S. J., 1944–45, **97**: 13.—**Hagan, W. A.** Milker's nodules. In: Dis. Transm. Animals to Man (Hull, T. G.) 3. ed., Springf., 1947, 255–9.—**Hofbauer.** Melkerknoten. Derm. Wschr., 1943, **117**: 632.—**Katzenellenbogen, I.** Beitrag zur Aethiologie der Melkerknoten. Acta derm. vener., Stockh., 1935, **16**: 316–27.—**Koch, F.** Melkerknoten (illust.) Derm. Wschr., 1947, **119**: 598.—**Lehmann, E.** Zum Krankheitsbild der Melkerknoten. Zbl. Chir., 1930, **57**: 1529–32.—**Ludy, J. B.** Milkers' nodes. In: Cyclop. Med. (Piersol-Bortz) Phila., Serv. Vol., 1941, 60–3.—**Mercadal Peyrí, J.** Contribución al estudio del nódulo de los vaqueros. Actas derm. sif., Madr., 1940–41, **32**: 739–48.—**Nagell, H.** Ueber das Vorkommen von Melkerknoten und ihre günstige Beeinflussung durch Sulfonamidverbindungen. Deut. Militärarzt, 1941, **6**: 428–30.—**Petráček, E.** Beitrag zur Aetiologie der Melkerknoten. Derm. Zschr., 1935, **71**: 71–8.—**Petrin, S.** Ueber Melkerknoten. Med. Klin., Berl., 1941, **37**: 351–3.—**Pomus, B. J.** Ueber Melkerknoten. Derm. Wschr., 1934, **98**: 134–42.—**Salkan, P. M.** Zur Klinik der Epidemiologie und Aetiologie der Melkerknoten. Acta derm. vener., Stockh., 1933, **14**: 342–68.—**Schultze, W., Seifried, O., & Schaaf, J.** Die Melkerknoten und ihre Aetiologie. Zschr. Infektkr. Haustiere, 1927, **31**: 295–313, 4 pl.—**Sézary, A., Bolgert, M.** [et al.] Nodule des trayeurs. Ann. derm. syph., Par., 1944, **4**: 325.—**Stark, A. M.** [Clinical, epidemiological and experimental data on the so-called milker's nodules] Sovet. vrach. J., 1937, **41**: 1375–9. —— **Tiesenhausen, M. M.** [et al.] Ueber die Pockenätiologie der sogenannten Melkerknoten. Arch. Derm. Syph., Berl., 1934, **170**: 38–60.—**Tappeiner, S.** Zur Frage der vakzinalen Aetiologie der Melkerknoten. Wien. klin. Wschr., 1938, **51**: 1061.—**Varca, C.** Noduli dei mungitori. Dermosifilografo, 1936, **11**: 192–7.—**Wallace, H. J.** A note on milker's nodes. Brit. J. Derm. Syph., 1947, **59**: 379, pl.—**Wendlberger, J.** Ueber zwei Fälle von Melkerknoten. Derm. Wschr., 1933, **97**: 1199–202.—**Zalkan, P. M.** [Etiology of papules in milkers] Ned. tschr. geneesk., 1933, **77**: 274–82.—**Zurukzoglu, S., & Kuske, E.** Beitrag zum Problem der Aetiologie der Melkerknoten. Acta derm. vener., Stockh., 1938, **19**: 569–86.

MILK examination.

See also **Milk analysis; Milk bacteriology; Milk chemistry; Milk composition; Milk constituents; Milk inspection; Milk testing.**

Anido y Fraguío, V. Examen de leche y agua. In his Laborat. clín., Habana, 1943, **2**: 917–41.—**Gautrelet, E.** Contribution à l'étude chimique, physique et physiologique des laits alimentaires. Rev. mal. nutrit., Par., 1906, 2. ser., **4**: 131–41.—**Hes, L., & Ricardo, J.** Over levering en onderzoek van melk. Ziekenhuiswezen, 1935, **8**: 208–10.—**Johns, C. K.** A study of milk from apparently normal udders. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25**: 145–64.—**Kempkens, J.** Milchuntersuchungsergebnisse. Zschr. Säuglingsfürs., 1910–11, **4**: 246–9.—**Marcas, L.** Contribution à l'étude des laits à ascension lente. Rev. gén. lait, 1905–06, **5**: 289–99.—**Monvoisin, A.** Données récentes relatives à l'examen du lait. Rec. méd. vét., 1905, **82**: 301–5.—**Nonhebel, G. K. A.** Milch-Untersuchung. Pharm. Zhalle, 1914, **55**: 215.—**Orr, T.** The significance and value of examinations of milk. Lancet, Lond., 1930, **1**: 641.—**Praetorius.** Milch und Milchuntersuchung. Zschr. Krankenanst., 1905, **1**: 485–93.—**Struelens.** Quelques considérations sur le lait et ses dérivés (babeurre et petit lait), au point de vue chimique bactériologique et clinique. Presse méd. belge, 1905, **57**: 822–4; Disc., 943–8.

—— hygienic.

Junggeburth, K. *Ueber die Kombination verschiedenster Untersuchungsmethoden zur hygienischen Beurteilung einer Milch, im besonderen der Düsseldorfer Marktmilch. 73p. 8° Borna-Lpz., 1915.

Marrecas Ferreira, P. V. A analise higienica do leite. p.3–70. 24cm. Lisb., 1913.

Forms No. 3, v.1, Arch. Inst. med. leg. Lisboa, ser. B, 1913–14.

Hucker, G. J., & Haynes, W. C. Use of agar slants in determining the sanitary quality of milk. Am. J. Pub. Health, 1939, **29**: 651–4.—**Lamb, F. H.** Examination of milk from a health standpoint. Q. Bull. Ohio State Bd Health, 1910, **2**: 242–6.—**O'Brien, R. G.** Investigations carried out in regard to milk and cream; milk. Rep. Dir. Pub. Health N. S. Wales, 1937, 24.—**Prescott, S. C.** The need for uniform methods in the sanitary examination of milk. Rep. Ann. Pub. Health Ass. (1905) 1906, **31**: pt 2, 246–8.—**Torra Cabarrocas, L.** La leche desde el punto de vista sanitario. Rev. méd. Cubana, 1943, **54**: 1007; 1944, **55**: 46; 101.

—— Methods.

Géraud, F. J. *Etude chimique et bactériologique des laits du lot. 133p. 8° Par., 1916.

Lenzen, H. Ueber die Bedeutung und den praktischen Wert der gebräuchlichsten Untersuchungsmethoden der Milch. p.1–69. 8° Berl., 1911.

Arb. Bakt. Laborat. Schlachthof. Berlin, 1911, H. 3.

Bérard, R. Bacteriological and chemical analyses of milk. Bull. hyg., Montréal, 1946, **32**: No. 4, 3–20.—**Breed, R. S.** Progress in standardizing laboratory procedures. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 109–15.—**Davis, J. G., & Ward, S. J.** The ultra-rapid examination of milk for chemical and bacteriological quality; single quarter samples at the farm; herd bulk samples on the creamery platform. Biochem. J., Lond., 1944, **38**: Suppl., 9.—**Gronover.** Beiträge zur Milchuntersuchung. Zschr. Untersuch. Nahrungsmitt., 1923, **45**: 18–24.—**Hesse, A.** Ratschläge für die Milch- und Rahmuntersuchung. Molkereiztg, 1908, **18**: 411–3.—**Höyberg, H. M.** Mitteilungen aus der praktischen Milchkontrolle: 1. Die Alkoholprobe; 2. Die Bedeutung abnormer Milch bei der Beurteilung von Milchverfälschungen. Zschr. Fleisch. Milchhyg., 1910–11, **21**: 392–6.—**Lewis, D. M.** Practical municipal milk examinations. J. Am. Pub. Health Ass., 1911, **1**: 778–82.—**Oyen, C. F. van.** [Quantitative and quali-

tative examination of milk obtained under special precautionary measures] Ned. tschr. hyg. microb., 1931–32, **6**: 98–102.—**Rievel.** Moderne Milchuntersuchung. Deut. tierärztl. Wschr., 1908, **16**: 657–61.—**Roddy, J. A.** The routine examination of milk. N. York M. J., 1911, **94**: 227–31.—**Souza, G. de P.** Sobre um novo methodo utilisavel na fiscalização do leite. Rev. biol., S. Paulo, 1927–29, **1**: 52–5.—**Sutherland, P. L.** The laboratory examination of milk. J. R. San. Inst., 1937–38, **58**: 693–705.—**Way, H. O.** A review of the routine bacteriological and chemical examinations of the Cleveland milk supply. Cleveland M. J., 1911, **10**: 608–12.

—— veterinary.

See also **Milk control**, veterinary and medical; **Milk inspection.**

Mogendorff, S. I. M. *Die Milchuntersuchungen vom tierärztlichen Standpunkte aus betrachtet [Bern] 88p. 8° Borne, 1909.

Schern, K. Die tierärztliche Diagnostik der Milchveränderungen und deren gesetzliche Beurteilung; eine Anleitung für Tierärzte und Studierende. 118p. 8° Berl., 1912.

Glage. Zur Systematik bei der tierärztlichen Milchuntersuchung. Deut. tierärztl. Wschr., 1929, **37**: 737–9.—**Porcher.** La question du lait; son examen au point de vue vétérinaire. J. méd. vét., Lyon, 1907, 5. ser., **11**: 18–30.

MILK extract.

See also **Milk product.**

Fonzes-Diacon. Sur la valeur de l'extrait dégraissé des laits. Bull. Acad. sc. Montpellier, 1916, 87–92.—**Jurgens, K. F.** O konservakh moloćno-kofejnago extrakta. Voen. med. J., S. Peterb., 1905, **3**: Med. spec. pt, 750–60.—**Magnan.** Considérations sur la richesse du lait pur en extrait sec et sur son mouillage. Bull. Soc. centr. méd. vét., Par., 1903, **57**: 334–9.—**Pokrovsky, G. N.** [On the vagotropic action of milk extract] Farm. & toks., Moskva, 1939, **2**: No. 6, 38–42.

MILK factor.

See also **Breast,** Cancer—in animals.

Armstrong, E. C. Observations on the nature of the oestrous cycle and on the effect upon it of the milk factor, in mice of two inbred strains, differing in mammary cancer incidence. Brit. J. Cancer, 1948, **2**: 59–69.—**Barnum, C. P., Ball, Z. B., & Bittner, J. J.** Partial separation of the mammary tumor milk agent and a comparison of various sources of the agent. Cancer Res., 1947, **7**: 522–8.—**Barnum, C. P., Huseby, R. A., & Bittner, J. J.** Partial separation of the mammary tumor milk agent and studies on its stability. Acta Unio internat. cancr., Louvain, 1948, **6**: 185–7.—**Begg, A. M.** Intranasal administration of mammary tumour milk factor. Brit. J. Cancer, 1949, **3**: 88–90.—**Bennison, B. E.** Effect of splenectomy on the development of mammary tumors in mice containing the milk agent. Cancer Res., 1949, **9**: 543.—**Bittner, J. J.** Characteristics of the mammary tumor milk agent in serial dilution and blood studies. Proc. Soc. Exp. Biol., N. Y., 1945, **59**: 43. ——— The transplantability of mammary cancer in mice associated with the source of the mammary tumor milk agent. Cancer Res., 1947, **7**: 741–5. ——— Die Ursachen und die Verhütung des Brustkrebses der Maus. Krebsarzt, Wien, 1948, **3**: 321–36. ——— Die Ursache des Brustkrebses der Maus. Ibid., 1949, **4**: 31.—**Bonser, G. M.** A microscopical study of the evolution of mouse mammary cancer; the effect of the milk factor and a comparison with the human disease. J. Path. Bact., Lond., 1945, **57**: 413–22.—**Borges, P. R. F.** The mammary tumor milk agent given to adult female mice following splenectomy and vital staining. Cancer Res., 1949, **9**: 328–30.—**Dmochowski, L.** Mammary tumour inducing factor and genetic constitution. Brit. J. Cancer, 1948, **2**: 94–102. Also Heredity, Lond., 1948, **2**: 279. ——— Survival of the milk factor in a transplantable breast tumour in mice. Brit. J. Cancer, 1949, **3**: 246–8.—**Gorer, P. A., & Law, L. W.** An attempt to demonstrate neutralizing antibodies to the mammary tumour milk agent in mice. Ibid., 90–3.—**Graff, S., Moore, D. H.** [et al.] The milk agent. Acta Unio internat. cancr., Louvain, 1948, **6**: 191–6. ——— Isolation of mouse mammary carcinoma virus. Cancer, N. Y., 1949, **2**: 755–62.—**Green, R. G.** Cytotoxic property of mouse cancer antiserum. Proc. Soc. Exp. Biol., N. Y., 1946, **61**: 113. ——— **Moosey, M. M., & Bittner, J. J.** Antigenic character of the cancer milk agent in mice. Ibid., 115–7. ——— Serial transmission of the milk agent of mouse mammary carcinoma. Ibid., 362.—**Heston, W. E., Deringer, M. K., & Levillain, W. D.** Mammary gland tumors in a line of C3H mice deprived of the milk agent. Cancer Res., 1949, **9**: 544.—**Huseby, R. A., & Bittner, J. J.** Comparative studies of the estrous cycles in relation to the mammary tumor milk agent. Ibid., 1947, **7**: 722. ——— Influence of age and mammary development upon mammary carcinogenesis following injection of milk agent. Proc. Soc. Exp. Biol., N. Y., 1948, **69**: 193–6.—**Imagawa, D. T., Green, R. G., & Halvorson, H. O.** A precipitin test for antigens present in mouse tissues containing the milk agent. Ibid., **68**: 162–6.—**Kahler, H., & Andervont, H. B.** Sedimentation of the milk agent. Acta Unio internat. cancr., Louvain, 1948, **6**: 206–8.—**Korteweg, R.** Genetically determined differences in hormone production a possible factor influencing the susceptibility to mammary cancer in mice. Brit. J. Cancer, 1948, **2**: 91–4. Also Heredity, Lond., 1948, **2**: 279.—**Laplane de Sèze.** Epithélioma mammaire par facteur transmissible chez la souris. C. rend. Soc. biol., 1948, **142**: 76.—**Lewisohn, R., Leuchtenberger, C.** [et al.] The influence of liver L. casei factor on spontaneous breast cancer in mice. Science, 1946, **104**: 436.—**Milk** factor. Annual Rep. Brit. Empire Cancer Campaign, 1948, **26**: 135–44.—**Porter, K. R., & Thompson, H. P.** A particulate body associated with epithelial cells cultured from mammary carcinomas of mice of a milk-factor strain. J. Exp. M., 1948, **88**: 15–24, 3 pl. Also Cancer Res., 1949, **9**: 557.—**Samuels, L. T., Bittner, J. J., & Samuels, B. K.** Excretion of steroids in the feces of mice of various strains with and without the mammary tumor milk agent Ibid., 1947, **7**: 722.—**Shimkin, M. B., & Andervont, H. B.** Properties and nature of the milk agent in the genesis of mammary tumors in mice. Res. Conf. Cancer (Am. Ass. Advanc. Sc.) (1944) 1945, 97–105.—**Taylor, A., Kynette, A., & Hungate, R. E.** Demonstration of a virus-like tumor agent by filtration and desiccation of materials from eggs bearing mouse mammary carcinoma. In: Cancer Stud. (Texas Univ. Biochem. Inst.) Austin, 1945, 13–31, 4 pl.—**Wright, G. P.** Mammary tumours in the mouse and the milk-factor in cancer. J. Egypt. M. Ass., 1947, **30**: 219–38.

MILK fat.

See also **Milk composition; Milk constituents; Milk cream.**

Goudal, G. *Contribution à l'étude de la matière grasse du lait [Toulouse. Pharm.] 100p. 24½cm. Toulon, 1938.

Dickson, D. Richesse du lait en matière grasse. C. rend. Ass. fr. avance sc. (1899) 1900, **28**: pt 2, 790–5.—**Engel.** Nahrungsfett und Milchfett. Verh. Ges. Kinderh. (1905) 1906, 22–9.—**England, J. W., & La Wall, C. H.** The fat of top milks. J. Am. M. Ass., 1905, **45**: 893.—**Porcher, C.** Le procès de la matière grasse du lait. Lait, 1925, **5**: 1; 152, pl. ch.—**Seno, K.** Gyūnyū-tyū no sibō ni tuite; nyū-hi, dassi-nyū, gyūraku oyobi rakunyū nado no sibō ni tuite [The fats contained in cow's milk; fats in the milk skin, in skim milk, in butter, and in buttermilk] Nippon eisei kagakkai si, 1936, **8**: 72–80.

—— Biological effect.

Christiansen, M. Un factor dependiente de la grasa de la leche, que inhibe el desarrollo de los estreptococos patógenos (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 595–602.—**Tarassuk, N. P., & Regan, W. M.** A study of the blood carotene in relation to lipolytic activity of milk. J. Dairy Sc., 1943, **26**: 987–96.

—— Butter fat [Abbr.: BF.]

See also **Milk product,** Butter.

Bal, D. V., & Shrivastava, R. C. A study of the periodic fluctuations in the carotene content of cow and buffalo BF. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 34 (Abstr.)—**Bhan, C.** Ghee (BF) in nation's diet. Ind. Vet. J., 1940, **17**: 69–72.—**Blatt, M. L., & Harris, E. H.** The substitution of olive oil for BF in infant feeding. J. Pediat., S. Louis, 1937, **11**: 455–67.—**Brahmachari, B. B.** Constants of pure cow ghee. Ind. M. Gaz., 1927, **62**: 318–22.—**BF** excels as growth producer. Certif. Milk, 1942, **17**: No. 197, 7.—**Deuel, H. J., jr, Halliday, N.** [et al.] The effect of vitamin A intake on vitamin A content of BF. J. Biol. Chem., 1941, **139**: 479.—**Dutta, N. C.** A comparative study of BF and hydrogenated vegetable fat (dalda) on the utilization of calcium and phosphorus. Ann. Biochem. Exp. M., Calc., 1948, **8**: 137–44.—**Dyer, B., Taylor, G., & Hamence, J. H.** A semi-micro modification for the determination of Reichert, Polenske and Kirschner values in BF. Analyst, Lond., 1941, **66**: 355–8.—**Farrington, T.** BF in milk. J. R. Inst. Pub. Health, 1907, **15**: 263–7.—**Gasser, E.** Die Butterschmalzherstellung ein aktuelles Problem. Milchwirtsch. Zbl., 1943, **72**: 37; 52.—**Hamdi, H., & Zollikofer, E.** Beobachtungen über die Entmischung von reinem BF bei verschiedenem Erstarrungsverlauf. Mitt. Lebensmitteluntersuch., Bern, 1944, **35**: 66–76.—**Hawley, H.** Reichert value of BF. Current Sc. Bangalore, 1943, **12**: 153.—**Henry, K. M., & Kon, S. K.** The vitamin D content of English BF throughout the year. Biochem. J., Lond., 1942, **36**: 456–9.—**Hilditch, T. P., & Longenecker, H. E.** Further determination and characterization of the component acids of BF. J. Biol. Chem., 1937–38, **122**: 497–506.—**Hodgson, R. E., Knott, J. C.** [et al.] The relation of color and carotene content of roughage in the dairy ration to the color, carotene content, and vitamin A activity of BF. J. Agr. Res., 1938, **57**: 513–28.—**Josephson, D. V., & Dahle, C. D.** Heating makes BF keep. Food Indust., 1945, **17**: 80–3.—**McDowall, F. H., Dolby, R. M.** [et al.] New Zealand dries BF. Ibid., 370, &c.—**Mason, E. D., Theophilus, F., & Frimodt-Möller, J.** The influence of BF in the absence or presence of casein on growth in young rats on a rice diet. Ind. J. M. Res., 1945, **33**: 219–28.—**Masurovsky, B. I.** More accurate test for BF. Food Indust., 1944, **16**: 798.—**Mohr, W., & Eichstädt, A.** Untersuchungsverfahren für Butterschmalz.

In: Handb. Lebensmittelchem., Berl., 1942, **9**: 558–68.—**Mohr, W., & Mack, E.** Die Bestimmung des Fettgehaltes in Butter. Zbl. ges. Hyg., 1943, **51**: 4 (Abstr.)—**Muers, M. M., & House, M. A.** Ether peroxide as a possible source of error in the Röse-Gottlieb BF test. Analyst, Lond., 1949, **74**: 85–9.—**Narasimhamurty, G.** Effect of ageing in presence of air and light on the constants of BF. Ibid., 1941, **66**: 98–101.—**Parrish, D. B., Shimer, E. R., & Hughes, J. S.** Growth and food preference of rats fed a lactose-dried milk ration containing BF or corn oil. J. Nutrit., 1946, **31**: 321–31.—**Peyronny, F.** Les variations du taux butyreux des laits individuels. Lait, 1927, **7**: 421–36, 2 ch.—**Pullinger, E. J.** An example of low BF production by a high-grade Friesland herd. J. S. Afr. Vet. M. Ass., 1946, **17**: 81–4.—**Ranwez, F.** Dosage indirect du beurre dans le lait. Ann. pharm., Louvain, 1904, **10**: 145–8.—**Schloemer, A.** Ein weiterer Beitrag zur Kenntnis der Zusammenhänge zwischen Jahreszeit und Refraktion des BF. Zschr. Untersuch. Lebensmitt., 1942, **83**: 55–8.—**Schneider, H. A.** BF in dermatitis-producing diets. Proc. Soc. Exp. Biol., N. Y., 1940, **44**: 266.—**Thorpe, T. E.** The interdependence of the physical and chemical criteria in the analysis of BF. J. Chem. Soc., Lond., 1904, 248–56.—**White, F. A.** A comparison of Babcock and Roese-Gottlieb for the determination of BF in milk. Canad. J. M. Techn., 1943, **5**: 8–11.—**Williams, N. K.** The effect of soybeans and soybean oil on milk and BF production and on the quality of the BF. J. Sc. Iowa Coll., 1941–42, **16**: 148–51.

—— Butyrometry.

Bressanin, G. Sull'uso dei tubi di Gerber per il latte nella determinazione del grasso nel burro. Boll. chim. farm., 1918, **57**: 81.—**Cador, P., & Macherel, P.** Dosage de la matière grasse des crèmes; notes pour une étude rationnelle des méthodes acido-butyrométriques. Lait, 1944, **24**: 196; 289. ——— Notes pour une étude rationnelle des méthodes acido-butyrométriques; graduation des butyromètres à lait. Ibid., 1945, **25**: 290–311.—**Gerber, N.** L'acidoburrometria. Gior. farm., Trieste, 1897, **2**: 193–7.—**Giannotti, D.** Il metodo butirrometrico Morsin. Clin. vet., Milano, 1930, **53**: 535–43.—**Grossfeld, J.** Vereinfachte Vorschrift zur Bestimmung der Buttersäurezahl. Zschr. Untersuch. Lebensmitt., 1927, **53**: 381–3.—**Haupt. M.** Ueber die Milchfettbestimmung mit besonderer Berücksichtigung der Sinacidbutyrometrie. Apothekerztg, 1906, **21**: 570.—**Koestler, G., & Loertscher, W.** Dr N. Gerber's Acidbutyrometrie als wissenschaftliche Untersuchungsmethode für Milch. Zschr. Untersuch. Lebensmitt., 1929, **57**: 48–59.—**Nadai, G.** Neues zur säurefreien Butyrometrie der Milch. Ibid., 1934, **67**: 178–80.—**Pien, J.** La graduation des butyromètres à lait. Lait, 1942, **22**: 22–38. ——— La graduation des butyromètres à crème; un nouveau modèle de butyromètre. Ibid., 1944, **24**: 139–46. ——— Un nouveau butyromètre pour l'application de la méthode Gottlieb-Röse. Ibid., 341–3.—**Teply, M.** Etude sur les variations de l'indice d'acide butyrique dans la matière grasse du lait. Ann. falsif., Par., 1937, **30**: 23–31.

—— Chemistry.

Dubrisay, R., & Geoffroy, M. J. Application de l'analyse capillaire à l'étude de l'altération des corps gras. Lait, 1942, **22**: 209–18.—**Höyberg, H. M.** Eine Methode zur Färbung des bei der Gerberschen Azidbutyrometrie abgeschiedenen Milchfettes. Zschr. Fleisch. Milchhyg., 1910–11, **20**: 46.—**Polonovski, M., Baudu, L., & Neuzil, E.** Xanthine-déhydrase et cénapses lipido-protéidiques du lait de vache. Bull. Soc. chim. biol., Par., 1947, **29**: 958–67.—**Said, I. A.** Note on the antimony trichloride reaction with the milk fats of women having: (A) normal (B) rickety children. C. rend. Congr. internat. méd. trop., 1929, **2**: 957–60.—**Sjöström, G** [Estimation of phosphorus in milk fat isolated for estimation of the fat content of milk] Nutrit. Abstr., Aberdeen, 1941–42, **11**: 15 (Abstr.)

—— Cholesterol.

Abbr.: C for cholesterin or cholesterol.

Ansbacher, S., & Supplee, G. C. The C content and the antirachitic activation of milk constituents. J. Biol. Chem., 1934, **105**: 391–404.—**Coccheri, P.** Sulle C del latte. Lattante, 1932, **3**: 378–400.—**Dam, H.** Ueber die Verteilung des C-s und der C-ester zwischen Fett und Plasma in der Kuhmilch. Biochem. Zschr., 1934, **270**: 112–5. ——— Der C-gehalt der Milch in Beziehung zum Nahrungs-C. Zschr. physiol. Chem., 1934, **224**: 127.—**Doulkin, A., & Helman, S.** Quelques données sur la teneur du sang des vaches laitières en C et en phosphatides. Lait, 1934, **14**: 797–808.—**Koyama, M.** Zinrui oyobi dōbutu nyūzyū-nai C-ester no syutugen oyobi syōtyō ni tuite [Appearance of and variation in C esters in human and animal milk] Nippon byōrigakkai kaisi, 1926, **16**: 536–41. Also Tr. Jap. Path. Soc., 1926, **16**: 178.—**Nakanisi, H.** Nyūzyū C no seibutugaku-teki igi ni kan-suru kenkyū [Studien über die biologische Bedeutung des C-s der Milch] Nippon huzinkagakkai zassi, 1932, **27**: 1649–85.—**Nataf, B., Mickelsen, O.** [et al.] The C content of cows' milk. J. Nutrit., 1948, **36**: 495–506.—**Stringfield, O. L.** The value of C in milk. Am. J. Digest. Dis., 1938, **5**: 15–7.—**Sugiyama, K.** Nyūzyū-tyū C-ryō ni kan-suru tiken hoi [Supplementary report on the amount of C in milk] Osaka igakkai zassi, 1933, **32**: 3261–80.

—— Colloid chemistry.

Goriaew. Viscosité de la matière grasse du beurre. Lait, 1936, **16**: 943–5.—**Leviton, A., & Leighton, A.** Viscosity relationships in emulsions containing milk fat. J. Phys. Chem., 1936, **40**: 71–80.—**Macheboeuf, M., & Tayeau, F.** Recherches sur l'état physicochimique des lipides du lait. C. rend. Soc. biol., 1940, **133**: 289–91.

—— Composition.

Bachmann, O. *Vergleichende Gesamtsterin- und Ergosterinbestimmungen in Kuhmilch verschiedener Herkunft [München] p.744–54. 8° Berl., 1930.

Also Zschr. ges. exp. Med., 1930, **71**:

Van Slyke, L. L. Conditions affecting the proportions of fat and proteins in cow's milk. 27p. 8° N. Y., 1908.

Also N. York M. J., 1908, **87**: 1021–8.

Anantakrishnan, C. P., Bhale Rao, V. R. [et al.] The component fatty acids of buffalo colostrum fat. J. Biol. Chem., 1946, **166**: 31–3.—**Anantakrishnan, C. P., Bhale Rao, V. R., & Paul, T. M.** The component acids of cow colostrum fat. Biochem. J., Lond., 1946, **40**: 292–7. ——— Composition of buffalo milk fat. Arch. Biochem., N. Y., 1947, **13**: 389–93. ——— The glyceride composition of milk fat. Ibid., 1948, **18**: 35–40.—**Baldwin, A. R., & Longenecker, H. E.** Component fatty acids of early and mature human milk fat. J. Biol. Chem., 1944, **154**: 255–65.—**Fleischmann, W., & Warmbold, H.** Beiträge zur Kenntnis der Zusammensetzung des Fettes der Kuhmilch. Zschr. Biol., Münch., 1907, **50**: 375–92.—**Hentschel, H., & Bachmann, O.** Gesamtsterin- und Ergosterinbestimmungen in der Kuhmilch; vergleichende Gesamtsterin- und Ergosterinbestimmungen in Kuhmilch verchiedener Herkunft. Zschr. ges. exp. Med., 1930, **71**: 744–54.—**Hilditch, T. P.** Less-known constituents of milk and their examination; some minor component acids of milk-fats and their possible significance. Analyst, Lond., 1937, **62**: 250–9. ——— & **Paul, H.** The occurrence and possible significance of some of the minor component acids of cow milk fat. Biochem. J., Lond., 1936, **30**: 1905–14.—**Jack, E. L., Henderson, J. L., & Hinshaw, E. B.** The distribution pattern of fatty acids in glycerides of milk fat. J. Biol. Chem., 1946, **162**: 119–28.—**Petersen, W. E., Palmer, L. S., & Eckles, C. H.** The synthesis and secretion of milk fat; an analytical study of the fat of the bovine mammary gland. Am J. Physiol., 1929, **90**: 582–91.—**Piettre, M., & Roéland, C.** La trimyristine, glycéride du lait. C. rend. Acad. sc., 1924, **178**: 2283–5.—**Riemenschneider, R. W., & Ellis, N. R.** The component fatty acids of goat milk fat. J. Biol. Chem., 1936, **113**: 219–33.

—— Correlation with blood.

Roodzant, P. *Onderzoekingen betreffende de correlatie tusschen het vetgehalte van de melk en het lipoidgehalte van het bloed. 79p. 8° Utrecht., 1931.

Aylward, F. X., Blackwood, J. H., & Smith, J. A. Lipaemia and milk fat secretion in the ruminant. Biochem. J., Lond., 1937, **31**: 130–7.—**Hiro, Y.** Ueber die serologischen Eigenschaften der Milchlipoide. Klin. Wschr., 1935, **14**: 344–6.

—— Determination.

Flatter, M. *Etude critique et comparative des différentes méthodes de dosage des lipides du lait (matières grasses et lipoïdes) 112p. 8° Strasb., 1933.

Newlander, C. E. The Babcock test; notes on its use in determining the percentage of fat in whole milk, skim-milk, buttermilk, cream and whey. 11p. 23cm. E. Lansing, 1916.

Forms No. 2, Bull. Extens. Div. Michigan Agr. Coll.

Andersen, A. C. Zur Bestimmung des Milchfettes. Zschr. Untersuch. Lebensmitt., 1930, **59**: 600–2.—**Andrade, J. L.** Estudio comparativo de algunos métodos usados para la determinación de la grasa en leches en polvo, leche condensada, quesos, helados. Rev. san., Carácas, 1942, **7**: 561–72.—**Arutunian, L. A.** [Methods of determination of fat in milk] Vopr. pitan., 1935, **4**: 124–6.—**Baumann, O.** Die Fettbestimmung in der Milch nach Prof. Morres und Dr. Schützler. Pharm. Zhalle, 1927, **68**: 289.—**Borra, V.** Determinazione quantitativa degli acidi grassi volatili nel latte di mucca, di capra e di pecora. Pediatria (Riv.) 1931, **39**: 102–9.—**Carstens.** Eine neue Fettbestimmungsmethode. Verh. Ges. Kinderh., (1904) 1905, **21**: 127.—**Cavalli, R.** Studio comparativo tra otto metodi volumetrici per la determinazione del grasso nel latte ed un metodo ponderale. Clin. vet., Milano, 1933, **56**: 23; 102.—**Croll, W. L.** An investigation to determine the accuracy of a modified Meigs method for the quantitative determination of fat in milk, with a description of an improved form of apparatus. Biochem. Bull., 1913, **2**: 509–18, pl.—**Dosage** de la matière grasse du lait. Bull. san. pub., Brux., 1949, **11**: 56–8.—

Fouard, E. Nouvelle méthode de dosage de la matière grasse du lait. Ann. pharm., Louvain, 1904, **10**: 472–4.—**Gerber, N.** Méthode sal; nouveau procédé de dosage rapide de la matière grasse du lait, sans l'emploi d'acide. Rev. gén. lait, 1905–06, **5**: 318–21.—**Giannotti, G.** Ancora un metodo per la facile determinazione del contenuto grassoso del latte. Clin. vet., Milano, 1931, **54**: 360; 690.—**Gologorsky, B. S., & Kagan, L. I.** O beskislotnykh metodakh opredelenija žira v moloke i moločnykh produktakh. Hig. & san., Moskva, 1946, **11**: No. 5, 53.—**Grossfeld, J.** Weitere Versuche zur Milchfettbestimmung in Fettgemischen. Zschr. Untersuch. Lebensmitt., 1926, **51**: 203–13. ——— & **Wissemann, F.** Ueber Milchfettbestimmungen in kleinen Fettmengen. Ibid., 1927, **54**: 352–6.—**Hahn, M., Strauss, W., & Kyriazidis, K. N.** Eine objektive, nephelometrische Methode der Milchfettbestimmung. Zschr. Hyg., 1932, **114**: 347–57.—**Hostettler, H., & Hänni, H.** Untersuchungen über die Genauigkeit verschiedener Milchfettbestimmungsmethoden. Mitt. Lebensmitteluntersuch., Bern, 1947, **38**: 354–60.—**Hostettler, H., Lehmann, W., & Künzle, L.** Die Fettgehaltsbestimmung in Magermilch, Buttermilch, Sirte (Molke), Zentrifugenmagersirte und Schotte. Ibid., 1946, **37**: 238–57.—**Hurel, C., & Mocquot, G.** Contribution à l'étude de la méthode Kohler pour le dosage de la matière grasse des crèmes. Lait, 1946, **26**: 289–301.—**Huyge, C.** Le dosage de la matière grasse dans le lait par la méthode Röse-Gottlieb. Rev. gén. lait, 1908–09, **7**: 265–72.—**Kijanovsky, B. I.** Novyj sposob opredelenija kolićestva žira v moloke. Vrach, 1938, **14**: 1161.—**Koenig, W.** Ein einfaches Verfahren zur Untersuchung der Milch auf ihren Fettgehalt. Zschr. Untersuch. Lebensmitt., 1936, **71**: 1–8. ——— Fettbestimmungen in Sahne mittels des Weka-Verfahrens. Ibid., **72**: 405–11.—**Kunicky, R. V.** Novyja dannyja v oblasti metodiki massovykh opredelenij procentnago soderžanija žira v korovjem moloke. Sborn. tr. Kharkov. vet. inst., 1908–11, **9**: No. 6, 1–6.—**Leithe, W.** Pyknometrische Fettbestimmungen in Milch, Rahm, Butter und Käse. Zschr. Untersuch. Lebensmitt., 1934, **67**: 441–6. ——— Refraktometrische Fettbestimmungen in Milch und Milcherzeugnissen. Ibid., 1936, **71**: 245–51.—**Lührig, H.** Ueber Milchfettbestimmung in Nahrungsmitteln auf Grund der Reichert-Meisslschen Zahl. Pharm. Zhallc, 1927, **68**: 49: 65.—**Maccagno, L., & Mizzi, C.** Di un nuovo metodo per la determinazione del grasso nel latte. Riv. igiene san. pubb., Tor., 1905, **16**: 796–801.—**Magliano, A., & Porzio, J.** Méthode pratique pour le dosage de la matière grasse du lait. Lait, 1927, **7**: 713–28.—**Martin, W. H.** Modified Babcock technic for milk fat in frozen desserts. Am. J. Pub. Health, 1943, **33**: 597–9.—**Mojonnier, T., & Troy, H. C.** History and principles of fat and total solids tests. In their Techn. Control Dairy Prod., 2. ed., Chic., 1925, 35–63.—**Moriwaki, Y.** A new micromethod for the determination of milk fat. Tohoku J. Exp. M., 1944, **47**: 28–33. ——— A new micromethod for the estimation of the iodine number of human milk fat. Ibid., 34–40.—**Naidus, D.** [Simple method for determination of milk fat] Vopr. pitan., 1936, **5**: No. 3, 51–4.—**Oijen, C. F.** Untersuchungen über das Verfahren nach Gerber für die quantitative Fettbestimmung in Milch. Zschr. Fleisch. Milchhyg., 1927–28, **38**: 149–53.—**Parsons, C. S.** A new volumetric method for the estimation of fat in milk, buttermilk, and cream. Analyst, Lond., 1889, **14**: 181–7.—**Pien, J.** Le dosage de la matière grasse des crèmes; méthode industrielle et méthode d'expertise. Lait, 1943, **23**: 18–22.—**Platon, J. B.** Die Verwendbarkeit der Methode von Thomé zu Fettbestimmungen in Milch. Zschr. Untersuch. Lebensmitt., 1926, **51**: 120–5.—**Pozzi-Escot, E.** Le dosage rapide de la matière grasse du lait; Gerber ou Babcock? Lait, 1926, **6**: 601–5; Disc., 1927, **7**: 354–63.—**Pritzker, J.** Ein neues Schnellverfahren zur Bestimmung des Fettgehaltes der Milch. Schweiz. Apoth. Ztg, 1919, **57**: 498–500.—**Repetto, S.** Méthode simple et facile pour la détermination de la matière grasse dans le lait. Lait, 1935, **15**: 15–9.—**Riabko, N. A., & Skripničenko, V. F.** [Fäser's method for determination of fat in milk at milk control stations] Hig. & zdorov., 1941, **6**: No. 2, 62.—**Rolle, M.** Entnahme von Milchproben zum Zwecke der Untersuchung auf Fettgehalt bei der Milchkontrolle in Städten. Deut. tierärztl. Wschr., 1933, **41**: 115.—**Salvestroni, C.** Il metodo Höyberg per la determinazione del grasso nel latte (nota sperimentale) Clin. vet., Milano, 1926, **49**: 755–61.—**Schain, P.** The use of detergents for quantitative fat determinations; determination of fat in milk. Science, 1949, **110**: 121.—**Schloemer, A.** Beitrag zum Einfluss der Phosphatide auf die Fettbestimmung in Milch und Milchprodukten. Zschr. Untersuch. Lebensmitt., 1942, **83**: 305–16.—**Spur, B.** Modification et simplification du procédé proposé par M. le Dr Höyberg pour la détermination de la matière grasse dans le lait et la crème. Lait, 1926, **6**: 518; 639. Also Zschr. Fleisch Milchhyg., 1926–27, **37**: 276.—**Tavs, L.** Die Bestimmung des Fettgehalts in kleinen Milchmengen. Mschr. Kinderh., 1926, **32**: 487–90.—**Vaghi, L.** Il nuovo metodo dell'Höyberg confrontato col metodo del Gerber per la determinazione del grasso nel latte. Clin. vet., Milano, 1937, **60**: 89–92.—**Wieske, P.** Die Sal- Methode zur Fettbestimmung der Milch. Ber. Deut. pharm. Ges., 1906, **16**: 79–82.—**Woerden, J. van.** De methode Höyberg ter bepaling van het vetgehalte in melk. Tschr. diergeneesk., 1927, **54**: 905; 1928, **55**: 505. Also Lait, 1928, **8**: 678–83.

—— Formation.

See also **Milk secretion,** Formation.

Engel. Ueber die Quellen des Milch- und Colostralfettes und über die bei der Milchsecretion wirkenden Kräfte. Arch. Kinderh., 1906, **43**: 204–26.—**Folley, S. J., & French, T. H.** Acetate as a possible precursor of ruminant milk fat, particularly the short-chain fatty acids. Nature, Lond., 1949, **163**: 174.—**Hammond, J.** The physiology of milk and butter fat secretion. Vct. Rec., Lond., 1936, **16**: 519–35.—**Hills, F. B., & Boland, E. N.** Segregation of fat factors in milk production. Proc. Iowa Acad. Sc., 1913, **20**: 195–8.—**Kirchner.** Die Entstehung des Milchfettes und die Mittel, um den Fettgehalt der Milch zu beeinflussen, sowie die Anforderungen an die Marktmilch. Molkereiztg, 1908, **18**: 86; 98.—**Laxa, O.** Les phosphatides de la glande mammaire précurseurs de la matière grasse du lait. Lait, 1930, **10**: 1076.—**Maynard, L. A., Hodson, A.** [et al.] The blood precursor of milk fat. J. Biol. Chem., 1937, **119**: p. lxvi.—**Migliavacca, A.** Sulla formazione del grasso del latte (nota preventiva con dimostrazione di preparati miscroscopici) Boll. Soc. med. chir., Pavia, 1929, n. ser., **4**: 431–4.—**Petersen, W. E., Palmer, L. S., & Eckles, C. H.** The synthesis and secretion of milk fat; the time of milk and fat secretion. Am. J. Physiol., 1929, **90**: 573–81. ——— A study of the activity of the perfused surviving gland, with special reference to the fat. Ibid., 592–9.—**Shaw, J. C., & Knodt, C. B.** The blood precursors of the short chain fatty acids of milk. Ibid., 1941, **133**: 443.—**Willoughby, E. F.** The source of fat in milk. Med. Press & Circ., Lond., 1906, n. ser., **81**: 632.

—— Genetics.

GASSMANN, P. *Untersuchungen über die Vererbung des Milchfettgehaltes durch die Bullen beim Bayerischen Höhenfleckvieh [München] 99p. 21cm. Heiligenstadt (Eichsfeld) 1938.

—— Geography.

SANTA, S. *Etude de la teneur en matière grasse du lait de la région d'Oran avec essai de détermination d'un indice d'écrémage [Alger; Pharm.] 130p. 24½cm. Oran, 1937.

Labarthe, C. A. La variación estacional de la materia grasa de la leche en algunas zonas de la República Argentina. Rev. Fac. agron. vet., B. Air., 1946–47, **11**: 181–214.—**Musso, L., & Germain.** Variations de la matière grasse du lait de vache dans la région d'Alger. Lait, 1931, **11**: 924; 1022; 1932, **12**: 21.—**Paget, M.** Etude de la teneur en matière grasse des laits de vaches de race flamande dans la région des Flandres. Ibid., 1928, **8**: 288–305.—**Siedel, J.** Einige Angaben über den Fettgehalt der Milch in Mecklenburg. Molkereiztg, 1905, **15**: 541–3.

—— Globules.

Apple, H. J. Milk-fat globules. J. Am. Vet. M. Ass., 1935, **87**: 331.—**Krukovsky, V. N., & Sharp, P. F.** The physicochemical properties of the surface of milk-fat globules. Annual Rep. New York Coll. Agr., 1941, **54**: 122.—**Prieger, I.** Ueber die Hüllen der Milchfettkügelchen. Biochem. Zschr., 1930, **217**: 331–6.—**Wood, H. B.** Formation of the fat globule of milk. Am. Med., 1907, n. ser., 2: 416–8.

—— Indexes.

Callow, E. H. The iodine-value of the fat from pre-colostrum, colostrum and milk. Rep. Food Invest. Bd, Lond. (1939) 1949, 32.—**Indice** Reichert-Meissl modifié par Leffman Beam et indice Polenske. Bull. san. pub., Brux., 1949, **11**: 75.—**Kuhlmann, J., & Grossfeld, J.** Eine neue Kennzahl für Milchfett. Zschr. Untersuch. Lebensmitt., 1926, **51**: 31–42.

—— Lecithin.

Fournier, A. Les lécithines et le lait; le phosphore organique et en particulier les lécithines du lait. Presse méd., 1905, **13**: 835.—**Koch, W.** Ueber den Lecithingehalt der Milch. Zschr. physiol. Chem., 1906, **47**: 327–30.—**Kurtz, F. E. Jamieson, G. S., & Holm, G. E.** The lipids of milk; the fatty acids of the lecithin-cephalin fraction. J. Biol. Chem., 1934, **106**: 717–24.—**Nerking, J., & Haensel, E.** Der Lecithingehalt der Milch. Biochem. Zschr., 1908, **13**: 348–53.

—— Nutritive effect.

See also **Milk nutrition,** Metabolic effect.

Asai, K. Kanetu no nyūzyū sibō syōka ni oyobosu eikyō ni tuite [Effect of heat upon the digestion of the fats in milk] Zika zassi, 1931, 1140–5.—**Borra, V.** Dell'azione degli acidi grassi inferiori del latte sull'accrescimento e sulla metamorfosi dei girini. Probl. aliment., Roma, 1931–32, **1**: 220–30.—**Henderson, J. L., Jack, E. L.** [et al.] Nutritional studies on milk fat; the growth of young rats fed milk fat and certain synthetic glycerides as supplements to a fat-free diet. J. Nutrit., 1945, **30**: 169–73. ——— The growth of young rats fed glyceride fractions separated from milk fat. Ibid., 175–81.—**Jack, E. L., & Hinshaw, E. B.** The effect of the treatment of milk fat with certain solvents on the growth of young rats. Ibid., 1947, **34**: 715–24.—**Schantz, E. J.** The relation of fat to the utilization of lactose in milk. Summaries Doct. Diss. Univ. Wisconsin, 1940, **4**: 146–8.

—— Phospholipids.

Bischoff, G. Zur Kenntnis der in der Milch vorhandenen Phosphatide. Zschr. physiol. Chem., 1928, **173:** 227–32.—**Buruiana, L., & Fortunesco, A.** Remarques sur le dosage des phosphatides du lait. Lait, 1941, **21:** 8–14.—**Diemair, W., Bleyer, B., & Ott, M.** Beitrag zur Kenntnis der Milchphosphatide. Biochem. Zschr., 1934, **272:** 119–32.—**Hattori, K.** Gyūnyū-tyū no sibō ni tuite (gyūnyū-tyū rinsitai no syozai ni tuite) [Fats in cow's milk (the presence of phospholipins in cow's milk)] Nippon seikagakkai kaihō, 1932, **7:** 11–5.—**Hilditch, T. P., & Maddison, L.** The component acids of phosphatides present in cow's milk fat. Biochem. J., Lond., 1941, **35:** 24–30.—**Lobstein, J. E., & Flatter, M.** Phosphore lipoïdique et phosphatides du lait du vache. Lait, 1935, **15:** 946–54.—**Osborne, T. B., & Wakeman, A. J.** Some new constituents of milk; the distribution of phosphatides in milk. J. Biol. Chem., 1916, **28:** 1–9.—**Rewald, B.** Teneur du lait en phosphatides. Lait, 1937, **17:** 225–9.—**Tayeau, F.** Recherches sur l'état physiochimique des diverses substances lipoïdiques du lait et particulièrement des phosphatides et du cholestérol. Ibid., 1940, **20:** 129–34.—**Trautmann, A., & Kirchhof, H.** Lässt sich der Phosphatidgehalt der Milch durch Verabreichung phosphatidreicher Nahrung beeinflussen? Biochem. Zschr., 1932, **247:** 275–96.

—— Standards.

Schulz, K. *Ist es zweckmässig und berechtigt, in den Polizeiverordnungen von der in den Verkehr gebrachten Milch einen Mindestfettgehalt von 2,7% zu verlangen? [Bern] 36p. 8° Wilhelmsb., 1909.

Behre, A. Ist die Forderung eines Mindestfettgehaltes der Marktmilch berechtigt? Zschr. Untersuch. Nahrungsmitt., 1910, **19:** 331–5.—**Borland, V.** The fat content in milk. Med. Off., Lond., 1937, **58:** 49.—**Hukui, Z.** [Ueber Fettgehalt der Milch] Acta paediat. jap., 1939, **45:** 78 (Abstr.)—**Mai, C.** Ist die Forderung eines Mindestfettgehaltes der Marktmilch berechtigt? Molkereiztg, 1910, **20:** 37–41.—**Standard** of fat in milk. Brit. Food J., 1937–38, **39:** 44.

—— Types.

Bardisian, A. Studio sulle differenze qualitative del grasso nel latte di donna e d'animali. Pediatria (Arch.) Nap., 1926–27, **2:** 189–209.—**Brioux, C.** Teneur en matière grasse du lait des vaches de race normande; moyennes butyreuses. Ann. falsif., Par., 1911, **4:** 470–4.—**Laxa, O.** La matière grasse du lait de chameau. Ibid., 1934, **27:** 282–5.—**Pritzker, J.** Beziehung des Fettgehaltes des Kessimilch zum Fettgehalt des aus ihr hergestellten Käses. Schweiz. Apoth. Ztg, 1919, **57:** 45–8.

—— Variation.

Avenard, R. A. L. *Etude de la matière grasse du lait; les variations de sa constitution; sa formation [Pharm.] 179p. 24cm. Lille, 1933.

Bartley, E. H. Variation in fat content of cow's milk; a study of the fat in certified milk delivered in Brooklyn during 1906. Arch. Pediat, N. Y., 1907, **24:** 908–13; Disc., 942–4.—**Bünger, H.** Schwankungen im Fettgehalt der Milch an Gewittertagen. Forsch. & Fortsch., 1943, **19:** 361.—**Carbonne, E.** Ricerche su alcune cause di variazione del contenuto in grasso del latte di vacca. Clin. vet., Milano, 1934, **57:** 37–46.—**Groh.** L'influence de la durée des intervalles des traites sur la sécrétion du lait et sa teneur en matière grasse. Lait, 1935, **15:** 854–64.—**Grumme.** Ueber die Möglichkeit, den Fettgehalt der Milch zu steigern (tierexperimentelle Studie) Zschr. exp. Path., 1913, **14:** 549–54.—**Hermes, A.** Die Schwankungen des Fettgehaltes der Milch und die Vererbung der Milchfettergiebigkeit nach achtjährigen schwedischen Untersuchungen von K. A. Högström. Molkereiztg., 1907, **17:** 25; 37; 49.—**Höft, H.** Beiträge zur Beurteilung der Erniedrigung des Milchfettgehaltes durch unvollständiges Ausmelken. Zschr. Untersuch. Nahrungsmitt., 1909, **18:** 550–3.—**Kelly, E.** Effect of certain factors on amount of fat consumed in milk served to school children. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21:** 197–201.—**Mosimann, W.** Betrachtungen über die Schwankungen im Milchfettgehalt, mit besonderer Berücksichtigung des Fettgehaltes unserer Milch in den Kriegsjahren. Mitt. Lebensmitteluntersuch., Bern, 1944, **35:** 14–32.

—— Variation: Food factor.

Gogitidze, S. K. [Transition of the fats from food into milk] 81p. 8° Kiev, 1904.

Boes, J., & Weyland, H. Zur Kenntnis des Einflusses der Zuckerrübenfütterung auf die Zusammensetzung des Milchfettes. Zschr. Untersuch. Nahrungsmitt., 1915, **29:** 473–5.—**Bünger, H.** Müssen wir bei der Verfolgung des heutigen Zuchtzieles auf Steigerung des prozentischen Fettgehaltes der Milch auch mit einer Veränderung der Milch an sonstigen Bestandteilen rechnen? Zbl. ges. Hyg., 1943, **51:** 92 (Abstr.)—**Eckles, C. H.** The influence of the plane of nutrition upon the percentage of fat in milk and the properties of the fat. Univ. Wisconsin Stud. Sc., 1921, No. 2, 60–75.—**Herzer, F. H., Moore, J. S., & Cowsert, W. C.** The effects of various feeds on the milk fat constants and on the flavor and texture of butter. Nutrit. Abstr., Aberdeen, 1941–42, **11:** 149 (Abstr.)—**Hilditch, T. P., & Jasperson, H.** The influence of dietary fat of varying unsaturation on the component acids of cow milk fats. Biochem. J., Lond., 1943, **37:** 238–43.—**Hilditch, T. P., & Thompson, H. M.** The effect of certain ingested fatty oils upon the composition of cow milk fat. Ibid., 1936, **30:** 677–91.—**Kästli, P.** Untersuchungen über die individuellen Schwankungen innerhalb der Melkzeiten sowie den Einfluss der Fütterung auf den Fettgehalt der Milch bei einzelnen Kühen. Mitt. Lebensmitteluntersuch., Bern, 1940, **31:** 46–53.—**Kellner, O.** Untersuchungen über die Wirkungen des Nahrungsfettes auf die Milchproduktion der Kühe. Molkereiztg, 1907, **17:** 229; 241.—**Lucadou, W. v.** Ueber den Fettgehalt der Milch und dessen Erhöhung durch Zufuhr von Vitaminen. Klin. Wschr., 1941, **20:** 115–9. Also Nord. med., 1941, **12:** 2965 (Abstr.) Also Bull. Hyg., Lond., 1942, **17:** 121 (Abstr.)—**Masoero, P.** Sulla percentuale di grasso nel latte vaccino secreto durante i calori. Boll. Soc. ital. biol. sper., 1942, **17:** 688.—**Monnot, G.** Action de la séro-opothérapie sur la production de la matière grasse du lait chez les vaches latières. C. rend. Acad. sc., 1934, **198:** 119.—**Mueller, A. J., & Cox, W. M.,** jr. Rat milk fat as affected by lipids in the diet. Proc. Am. Soc. Biol. Chem., 1938, **8:** No. 7, 88.—**Powell, E. B.** Relation of roughage to the fat content of milk. Certif. Milk, 1938, **13:** No. 152, 9–20.—**Relações** entre teor em gorduras do leite e vitaminas. Resenha clin. cient., S. Paulo, 1941, **10:** 489.—**Sheehy, E. J.** Influencia de la adición de substancias grasas a la alimentación de las vacas sobre el contenido en materia grasa de la leche. Rev. hig. san. pecuar., Madr., 1931, **21:** 655.—**Smith, J. A. B.** Studies in the secretion of milk fat; the effect of inanition on the blood lipoids of the lactating cow. Biochem. J., Lond., 1938, **32:** 1856–67. —— **& Dastur, N. N.** The effect of inanition on the yield and composition of milk fat. Ibid., 1868–76.—**Stoddard, G. E., Allen, N. N., & Peterson, W. H.** Some effects of a low roughage, high concentrate ration on the fat of cow's milk. J. Animal Sc., 1949, **8:** 630.—**Tangl, H., & Szafka, E.** Wirkung von Hefeverfütterung auf den Fettgehalt der Milch. Zschr. Vitaminforsch., Wien, 1947–48, **1:** 453–65.

—— Variation, pathological.

Kunicki-Goldfinger, W. Wpływ przewleklego, zakaźnego zapalenia wymion u krów na ilość i jakość mleka. Med. wet., Warsz., 1948, **4:** 439–41.

—— Variation: Pharmacological aspect.

Brouwer, E., & Martin, J. De la production de lait alcalin et de l'augmentation de l'indice d'iode de la matière grasse du lait consécutives à l'injection sous-cutanée d'α-dinitrophénol. Lait, 1938, **18:** 337–47.—**Ferrando, R., Chenavier, P., & Cormier, M.** Action de l'huile de foie de morue sur le taux du tocophérol sanguin de la vache laitière et le taux butyreux de son lait. Bull. Soc. chim. biol., Par., 1949, **31:** 810–6.—**Smith, J. A. B., & Dastur, N. N.** Studies on the secretion of milk fat; the effect of thyroxine administration on the blood lipoids and on the nature of the milk fat. Biochem. J., Lond., 1940, **34:** 1093–107.

—— Variation, physiological.

Bauer, A. W. *Ueber den Einfluss der Abkalbezeit auf den Milch- und Fettertrag beim Angler Rind [Kiel] p.99–165. 8° Berl., 1929.
Also Milchwirtsch. Forsch., 1929, **8:**

Gowen, J. W. Studies in milk secretion; on the variations and correlations of butter-fat percentage with age in Jersey cattle. p.249–324. 25cm. Princeton, 1920.
Genetics, 1920, **5:**

Dechambre & Ginieis. Notes sur l'influence du rut sur la teneur du lait en matière grasse. Tr. Soc. biol., Barcel., 1919, **7:** 83–7.—**Lyons, J., & O'Shea, M.** The influence of the stage of lactation on fat estimations by the Gerber method. Sc. Proc. R. Dublin Soc., 1934, **21:** 123–31.—**Monroe, C. F.** Butterfat tests of first and later lactations. Bimonth. Bull. Ohio Agr. Exp. Sta., 1927, **12:** 35.—**Porcher, C., & Maynard, L.** La graisse du sang et la graisse du lait pendant la lactation. Lait, 1930, **10:** 601; 765.—**Strauch.** Ueber den Fettgehalt der Milch in den Stand- und Transportgefässen. Molkereiztg, 1905, **15:** 291.

—— Vitamins.

See also **Milk vitamin.**

Gillam, A. E., & El Ridi, M. S. The carotene of milk fat (butter) Biochem. J., Lond., 1937, **31:** 251–3.—**Kon, S. K., Mawson, E. H., & Thompson, S. Y.** Relation of the concentration of vitamin A, carotenoids and cholesterol in milk fat to the size of the fat globules. Nature, Lond., 1944, **154:** 82.—**Renaud, M.** Graisses et vitamines du lait. Rev. crit. path., Par., 1930, **1:** 307–14.—**Titaev, A. A., Ginsburg, M. B.** [et al.] O znaćenii vitamina B_1 v obrazovanii žira moloka. Biull. eksp. biol. med., 1947, **23:** 440–2.

MILK ferment.

See also **Milk enzyme.** For microbic causes of milk fermentation; see also **Lactic ferment; Milk bacteria;** also **Milk (fermented)**

JOST, J. P. *Les ferments lactiques; leur action sur les éléments du lait; leur application en médecine vétérinaire. 64p. 24½cm. Lyon, 1946.

SORIANO, S. S. *Los fermentos lacticos; su utilización en la fabricación de manteca. p.197–272. 26cm. B. Air., 1923.

Rev. Fac. agron. vet., B. Air., 1923, **4:**

Baixe & Merrien. Le ferment lactique thibétain. Rev. path. comp., Par., 1935, **35:** 1167.—**Behmer.** Culturas lácticas selecionadas. Bol. indúst. animal, S. Paulo, 1943, **6:** 100.—**Bertarelli, E.** Conceitos modernos sôbre a ação dos fermentos lácticos. Arq. biol., S. Paulo, 1946, **30:** 110. Also Rev. quím. farm., Rio, 1947, **12:** No. 3, 21–3.—**Dominikiewicz, M.** O fermentach mleka. Wiadom. farm., 1907, **34:** 241; 257.—**Freeman, R. G.** The ferments of milk and their relation to pasteurization. J. Am. M. Ass., 1907, **49:** 1740–2.—**Gorini, C.** Sur l'activité décarboxylasique des ferments lactiques acido-protéolytiques. C. rend. Acad. sc., 1949, **229:** 433.—**Kopaczewski, W.** Le lait et les ferments gélifiants. Ibid., 498–500.—**Mazé, P.** Résistance des ferments lactiques normaux du lait à leurs bactériophages. C. rend. Soc. biol., 1943, **137:** 355. ——— La genèse et la persistance des éléments dégénérés dans les souches stables des ferments lactiques normaux du lait. Ibid., 1946, **140:** 355. ——— & **Mazé, P. J.** La dégénérescence, par passages en lait stérilisé, des ferments lactiques normaux du lait est l'oeuvre de bactériophages peu virulents. Ibid., 1944, **138:** 270.—**Mellin, A.** Om fermenter och fermentreaktioner särskildt med hänsyn till bedömmande och kontroll af mjölk. Svensk vet. tskr., 1910, **16:** 1–11.—**Negri, R.** Attività fermentativa e carica batterica dei fermenti lattici. Rendic. Ist. san. pubb., Roma, 1940, **3:** 567–78.—**Rumment, J.** Contribution à l'étude des éveilleurs d'acides. Lait, 1935, **15:** 212–7.—**White, A. H., & Hood, E. G.** Un estudio de los métodos para determinar el número de mucorineas y de fermentos en la leche. Rev. hig. san. pecuar., Madr., 1931, **21:** 693.

—— Therapeutic use.

CANTENOT, G. *Contribution à l'étude des ferments lactiques tyndallisés; leur emploi en thérapeutique vétérinaire [Vet.] 67p. 25cm. Lyon, 1946.

DUBAS, H. *Contribution à l'étude des ferments lactiques tyndallisés en thérapeutique intestinale suivie de quelques considérations sur leur emploi dans le traitement des plaies. 60p. 24cm. Nancy, 1937.

Benacchio, L. Azione combinata dei fermenti lattici e del carbone medicinale sull'apparato digerente. Arch. ital. mal. app. diger., 1941–42, **10:** 459–76.—**Bignon, P.** Le traitement par les ferments lactiques (amidal) chez le nourrisson dans les troubles intestinaux aigus et chroniques du premier âge; un moyen simple curatif et préventif. Centre méd., Moulins, 1946, **52:** 92–5.—**Brunetti, F.** I fermenti lattici in oto-rinologia. Atti Congr. Soc. ital. laring. (1913) 1914, **16:** pt 2, 359–61.—**Maccacaro, G.** Contributo sperimentale all'interpretazione del meccanismo d'azione dei fermenti lattici. Farmaco, Pavia, 1948, **3:** 416–23.—**Mitolo, M.** Sul meccanismo d'azione dei fermenti lattici; ricerche sperimentali. Ann. igiene, 1941, **51:** 465–84.—**Pacheco, G.** Fermentos lacteos do comércio. Brasil med., 1944, **58:** 356–8.—**Puntoni, V.** Ancora sul meccanismo d'azione dei fermenti lattici. Ann. igiene, 1940, **50:** 348–51. ——— Sui fermenti lattici adoperati nell'industria farmaceutica. Ibid., 1941, **51:** 673–90. ——— Sul meccanismo d'azione dei fermenti lattici e sul loro controllo. Ibid., 1943, **53:** 125–7.—**Terrasse, G.** La vitalité et la longévité des ferments lactiques base d'une rénovation de la bactériothérapie lactique; ferments vivants et ferments morts. Rev. path. comp., Par., 1932, **32:** 413–8.—**Vega y Reguera, E.** Substitución de la dieta hídrica por los fermentos lácticos. Mem. Congr. mex. pediat., 1937, 1. Congr., 357–78.—**Verney, L.** Moderne concezioni sul meccanismo d'azione dei fermenti lattici. Forze san., Roma, 1939, **8:** 1131.

MILK fermentation.

See also **Milk bacteria; Milk ferment; Milk (fermented)**

Blumenthal, F., & Wolff, H. Beitrag zur Milchgärung. Charité Ann., Berl., 1905, **29:** 12–7.—**Düggeli, M.** Die bakteriologische Charakterisierung der verschiedenen Typen der Milchgärprobe. Zbl. Bakt., 2. Abt., 1907, **18:** 37; 224; 439, pl.—**Hecht.** Ueber katalytische und fermentative Eigenschaften der Milch. C. rend. Congr. internat. méd. (1903) 1904, **14:** Sect. pediat., 49–52.—**Kantardjieff, A.** Une modification de la micro-méthode de Lindner pour les essais de fermentation. Lait, 1928, **8:** 590–2.—**Thomson, H. L.** Milk fermentations. Bull. Vermont Bd Health, 1911–12, **12:** No. 2, 41.

—— Germicidal stage (1. stage)

See also **Milk.**

CANITANO, G. *Sulla cosidetta azione battericida del latte. 35p. 25cm. Padova, 1932.

DREWES, K. *Ueber die Bactericidie der Milch [Kiel] p.403–30. 8° Berl., 1926.

HUNZIKER, O. F. Investigations concerning the germicidal action in cow's milk. p.65–91. 8° Ithaca, 1901.

Forms Bull. 197, Cornell Univ. Agr. Exp. Sta.

Brudny, V. Untersuchungen über die Bakterizidie der Milch und über die während der bakteriziden Phase auftretenden Anpassungsformen des B. coli commune. Zbl. Bakt., 2. Abt., 1908–09, **22:** 193–222.—**Carboni, S. A.** Sull'azione battericida del latte di mucca conservato a bassa temperatura. Atti Accad. fisiocr. Siena, 1919, 8. ser., **11:** 79–87.—**Dold, H., Wizemann, E., & Kleinen, C.** Ueber antibakterielle Hemmungsstoffe (Inhibine) und antibakterielle Wandlungsstoffe (Mutine) in der frischen, rohen, unter sterilen Kautelen entnommenen Milch (Kuhmilch und Frauenmilch) Zschr. Hyg., 1936–37, **119:** 525–38.—**Evans, J. A., & Cope, T. A.** The bactericidal property of milk. Univ. Pennsylvania M. Bull., 1908–09, **21:** 264–74.—**Hanssen, F. S.** [On bactericidal action in milk] Med. rev., Bergen, 1923, **40:** 259–79.—**Heinemann, P. G., & Glenn, T. H.** Experiments on the germicidal action of cow's milk. J. Infect. Dis., 1908, **5:** 534–41, tab.—**Henninger, E.** Ueber die Bakterizidie der Milch. Arch. Hyg., Münch., 1926, **97:** 183–94.—**Jones, F. S.** The properties of the bactericidal substance in milk. J. Exp. M., 1928, **47:** 877–88. ——— & **Little, R. B.** The bactericidal property of cow's milk. Ibid., 1927, **45:** 319–35.—**Jones, F. S., & Simms, H. S.** The bacterial growth inhibitor (lactenin) of milk; the preparation in concentrated form. Ibid., 1930, **51:** 327–39.—**Little, R. B.** Bactericidal property of milk. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25:** 105–19.—**Morris, C. S.** Presence in raw cow's milk of a bactericidal substance specific for certain strains of coliform organisms. Nature, Lond., 1945, **155:** 22.—**Orla-Jensen, S., & Jacobsen, J.** Neue Untersuchungen über die bakteriziden Eigenschaften der Milch. Zbl. Bakt., 2. Abt., 1930, **80:** 321–41.—**Rosenau, M. J., & McCoy, G. W.** The germicidal property of milk. Bull. U. S. Hyg. Laborat., Wash., 1908, No. 41, 449–76. Also J. Med. Res., Bost., 1908, **18:** 165–202.—**Thompson, A. T.** The bactericidal property of fresh milk. Vet. Bull., Wash., 1930, **24:** Suppl., 139–41.

—— Lactic fermentation.

See subheading (Milk souring)

—— Milk-souring (2. stage)

See also **Milk cream (sour) Milk (sour)**

MARSHALL, C. E., & FARRAND, B. Bacterial associations in the souring of milk. p.7–59. 24cm. Jena, 1908.

Zbl. Bakt., 2. Abt., 1908, **21:**

Allari, G. B. Della funzione della temperatura nell inacidimento del latte. Riv. igiene san. pubb., Tor., 1912, **23:** 201–5.—**Berdnikov, A. I.** Skisanie moloka i vlijanie etogo processa na kholernago vibriona. Russ. vrach, 1909, **8:** 497–500.—**Fetherolf, G. R.** The souring of milk. Am. Vet. Rev., 1910–11, **38:** 593–603.—**Fournier, A.** Recherches sur l'acidogénie du lait. Bull. Soc. chim. biol., Par., 1938, **20:** 179–200. ——— Sur les altérations acidogènes du lait. Lait, 1939, **19:** 576–85.—**Gorini, C.** Les bactéries productrices d'acide et de présure en rapport avec l'hygiène de la traite. Rev. gén. lait, 1906–07, **6:** 179–85.—**Heinemann, P. G.** Kinds of bacteria concerned in souring of milk. Science, 1906, n. ser., **23:** 211.—**Hinsberg, K., & Holland, G.** Die Beinflussung der Milchsäuregärung in der Milch durch Monojodessigsäure. Klin. Wschr., 1932, **11:** 1338.—**Lampitt, L. H., & Bogod, M.** Acid changes in milk produced by certain bacteria. Biochem. J., Lond., 1933, **27:** 361–9.—**Marshall, C. E.** Extended studies of the associative action of bacteria in the souring of milk. Zbl. Bakt., 2. Abt., 1905, **15:** 400–19. Also Rep. Am. Pub. Health Ass. (1905) 1906, **31:** 312–27.—**Mayoroff, S. N.** pH-Schwankungen der säuernden Milch. Zschr. Untersuch. Lebensmitt., 1935, **69:** 301–5.—**Mazé, P., & Césari, E.** Le destructlon du Bacillus abortus dans le lait et les fromages par la fermentation lactique. C. rend. Soc. biol., 1931, **108:** 630–2.—**Porcher, C., & Lambert, L.** Action favorisante du Bacillus subtilis dans la fermentation lactique; le rattrapage du lait. Lait, 1930, **10:** 640–54.—**Renon, L., Richet, C.,** fils, **& Lepine, A.** Rôle antiseptique des ferments métalliques sur la fermentation lactique. C. rend. Soc. méd., Par., 1914, **76:** 396–8.—**Roy, S. C., & Bhatnagar, D. P.** Change in nitrogen content of milk on souring. Current Sc., Bangalore, 1948, **17:** 25.—**Rubner, M.** Ueber spontane Wärmebildung in Kuhmilch und die Milchsäuregärung. Arch. Hyg., Münch., 1906, **57:** 244–68.—**Vincent, R.** On the development of acidity in milk and its relation to time and temperature. Tr. Glasgow Obst. and Gyn. Soc., 1911–12, 1913, **9:** 13–23.

—— Neutralization (3. stage)

Baetslé, M. R. L'identification du lait neutralisé. Lait, 1937, **17**: 141–7.—**Bongert, J.** Zur Frage der Gesundheitsschädlichkeit der Neutralisation bakteriell zersetzter, gesäuerter Milch. Zschr. Fleisch Milchhyg., 1924–25, **35**: 161–4.—**Eble, K., & Pfeiffer, H.** Beitrag zum Nachweis neutralisierter Milch. Zschr. Untersuch. Lebensmitt., 1933, **65**: 435–9.—**Hattori, K., & Tanabe, S.** Luckenbach-si no tyūwa gyūnyū kansiki-hō ni tuite [Luckenbach's method of judging neutral milk] Nippon eisei kagakkai si, 1935, **7**: 125–32.—**Reiss, F.** Hält neutralisierte Milch die Alkoholprobe aus? Zschr. Fleisch Milchhyg., 1922–23, **33**: 109.

—— Putrefaction (4. stage)

See **Milk defect.**

—— Special fermentation.

See also **Milk defect,** Flavor; **Milk (fermented) Milk (sour)**

Dorner, W. Contribution à l'étude de la cause du gonflement des laits au lacto-fermentateur avec une annexe sur l'application du phénomène de d'Hérelle à l'industrie laitière. Lait, 1926, **6**: 505; 655; 850.—**Gorini, C.** Gli acidoproteoliti nella fermentazione gassosa associativa in latte. Sunti Congr. internaz. fisiol., Rome, 1932, 101–3.

—— viscous.

See also **Milk defect,** Ropy milk.

Harrison, F. C. The viscous fermentation of milk and beer. Rev. gén. lait, 1905–06, **5**: 73; passim.

MILK (fermented)

See also **Milk fermentation; Milk modification** subheadings; **Milk (sour)**

Bianco, A. Sull'azione alimentare e curativa del miciuratu; latte fermentato che si prepara in Sardegna. Gazz. osp., 1906, **27**: 155. ——— Sul miciuratu latte fermentato che si prepara in Sardegna; studio batteriologico e sua applicazione in medicina ed in otorinologia. Cesalpino, 1912, **8**: 23; 111; 147.—**Fermented** milk preparations. Prescriber, Edinb., 1908, **2**: 51–3.—**Guerbet.** Les laits fermentés. Normandie méd., 1906, **21**: 177; 196.—**Guittonneau, G., & Chevalier, R.** Nouvelles techniques de préparation d'un milieu de culture à base de lait digéré: le lait digéré par la papaïne. Lait, 1941, **21**: 1-8.—**Kopatschek, F.** Leches dietéticas o fermentadas. In his: Manual lab. quím., B. Air., 1942, 221.—**Kuntze, W.** Studien über fermentierte Milch. Zbl. Bakt., 2. Abt., 1908, **21**: 737–68, 3 pl.—**Linke.** Podkwassa. Ther. Neuheit., 1907, **2**: 181–8.—**McLester, J. S.** Fermented milk. In his Nutr. & Diet, 4. ed., Phila., 1943, 177.—**Moulin, A.** Les boissons fermentées du lait. Lait, 1937, **17**: 946–9.—**Pisu, I., & Guarnacci, M.** Contributo al controllo igienico del latte fermentato acido. Igiene mod., 1938, **31**: 337–50.—**Reutter, L.** Du lait fermenté. Bull. Soc. hist. pharm., Par., 1928, No. 58, Suppl., p. vi.—**Rogers, L. A.** Fermented milks. Circ. U. S. Bur. Anim. Indust., 1911, No. 171, 133–61.—**Wolff, G.** Kefir, Kumys, Yoghurt. Pharm. Zhalle, 1928, **69**: 177–82.

—— Acidophilus milk [Abbr.: AM]

Acidophilus therapy. Brit. M. J., 1935, **2**: 730.—**Bass, C. C.** Production of AM on a large scale for general use. J. Am. M. Ass., 1924, **82**: 1503.—**Cheplin, H. A.** Further observations on the therapeutic effect of AM. N. York M. J., 1923, **118**: 742–8. ——— **Fulmer, H. C., & Barney, C. O.** Studies on the therapeutic application of AM. J. Am. M. Ass., 1923, **80**: 1896–9.—**Cheplin, H. A., Post, C. D., & Wiseman, J. R.** AM and its therapeutic effects. Boston M. & S. J., 1923, **189**: 405–11.—**Clark, W. E., & Perry, M. W.** The clinical value of AM. N. York M. J., 1923, **118**: 740–2.—**Eggston, A. A.** A new technic for the preparation of Bacillus AM and its therapeutic value. Ibid., 1922, **115**: 683–5.—**Ivanov, M. M.** [Bactericidity of AM] Sovet. vet., 1939, **16**: No. 5, 58–60.—**Kähler, K. H.** Die Bedeutung der AM (Reformjoghurt) für die Säuglingstherapie speziell bei dyspeptischen Störungen. Mschr. Kinderh., 1938, **72**: 18–21.—**Kopeloff, L. M., Etchells, J. L., & Kopeloff, N.** Bactcriological changes in AM at room and ice-box temperatures. J. Bact., Balt., 1934, **28**: 489–500.—**Kopeloff, N.** AM therapy. Psychiat. Q., 1935, **9**: 20–6. ——— **& Beerman, P.** Some temperature studies on AM. State Hosp. Q., Utica, 1922–23, **8**: 372–81. Also Proc. Soc. Exp. Biol., N. Y., 1922–23, **20**: 303.—**Kopeloff, N., & Cheney, C. O.** Studies on the therapeutic effect of bacillus AM and lactose. Ibid., 1921–22, **19**: 372. Also J. Am. M. Ass., 1922, **79**: 609–11.—**Kulp, W. L.** Studies on the viability of L. acidophilus in AM. Am. J. Pub. Health, 1931, **21**: 873–83.—**Levinstein, I. I.** [AM as a medicinal preparation] Farmacia, Moskva, 1943, **6**: No. 5, 35–7. ——— [AM as a valuable medicinal substance] Sovet. med., 1944, **8**: No. 3, 26.—**Morriss, W. H.** The use of AM in a tuberculosis sanatorium. J. Am. M. Ass., 1923, **81**: 93–7.—**Myers, R. P.** Transformation of the intestinal flora through the feeding of unfermented AM. Am. J. Pub. Health, 1931, **21**: 867–72.—**Olevsky, M. I., & Kuzmenko, S. T.** [Effect of AM on the gastro-duodenal tract] Vrach. delo, 1936, **19**: 683–90.—**Rettger, L. F.** AM as a therapeutic agent. West. Dietitian, Los Ang., 1926–27, **2**: No. 4, 18.—**Ryss, S. M.** [Physiologische Prüfung des Einflusses von Acidophilin und einigen anderen milchsauren Präparaten auf die Sekretion des Magens und des Pankreas] Vopr. pitan., 1936, **5**: No. 3, 25–30.—**Stark, C. N., Gordon, R.** [et al.] Studies on AM. Am. J. Pub. Health, 1934, **24**: 470–2.—**Wahby, A. M.** Therapeutic value of AM. J. Egypt. M. Ass., 1934, **17**: 729–33.

—— alcoholic.

Paechtner, J. Ueber alkoholhaltige Milch. Zschr. Fleisch Milchhyg., 1913, **23**: 556–61.—**Wolff, G.** Alkoholische Milchprodukte (Kefir, Kumys, Yoghurt) Schweiz. Apoth. Ztg, 1920, **58**: 239; 254. ——— Alkoholische Milchprodukte und ihre hygienisch-diätetische Bedeutung. Münch. med. Wschr., 1935, **82**: 1835–8.

—— Bacteriology.

Doldi, S. Sul comportamento di alcuni microrganismi patogeni di fronte al siero di latte fermentato acido. Riforma med., 1935, **51**: 783–6, pl.—**Wilson, F. L., & Tanner, F. W.** Behavior of pathogenic bacteria in fermented milks. Food Res., 1945, **10**: 122–34.

—— Buttermilk [Abbr.: BM]

Schwartzman, Y. J. *De l'emploi de l'élédon à La Pouponnière et à la Clinique infantile de Lausanne. 28p. 22½cm. Lausanne, 1937.

Stubbendorf, W. v. *Ueber die Brauchbarkeit der BM als Heil- und Dauernahrung im Säuglingsalter [Düsseldorf] 13p. 21cm. Schramberg, 1935.

Abdala, J. R., & Pellerano, J. C. Nuestra experiencia sobre babeurre. Prensa méd. argent., 1936, **23**: 383–6.—**Baker, M. P., & Hammer, B. W.** The development of metallic flavor in BM. Proc. Iowa Acad. Sc., 1925, **32**: 55–8.—**Carvalho, L. de S.** O leitelho na administração artificial do recem-nascido e do lactente. Arq. pediat., Rio, 1948–49, **21**: 219.—**Crisp, R. H., Graham, H. B.** [et al.] A substitute for BM in infant feeding. Med. J. Australia, 1948, **2**: 443.—**Daikhes, M. T., & Levina, E. P.** [Therapeutic efficacy of modified BM] Vrach. delo, 1938, **20**: 281–6.—**Dam, W. v.** Expériences techniques concernant l'influence de la température du barattage sur la teneur en matière grasse du babeurre, provenant de crème réfrigérée a très basse température (transl.) Lait, 1928, **8**: 574–83. ——— **& Holwerda, B. J.** La teneur en matière grasse du babeurre et la durée du barattage peuvent-elles être influencées par le genre de levain lactique? (transl.) Ibid., 1930, **10**: 142–5.—**Deal, J. L. Y., Ayala, W., & Ceretta, H. O.** Preparación y composición del babeurre medicinal. Pediat. Américas, Méx., 1944, **2**: 65–70.—**Farnsteiner, K.** Untersuchungen über die Verfälschungen von BM. Molkerciztg, 1906, **16**: 38.—**Gaing, E.** A preparação do babeurre. Arch. biol., S. Paulo, 1921, **6**: 958–60.—**Getreuer, V.** Die Langsteinsche BM als Heilnährung. Oesterr. Zschr. Kinderh., 1948–49, **2**: 389–94.—**Grünfelder, B.** Limon or proteinic BM as a diet for infants. Harefuah, Tel Aviv, 1943, **24**: 61.—**Holwerda, B. J.** La détermination colorimétrique du degré d'acidité du fromage et du petit-lait (transl.) Lait, 1929, **9**: 910–4.—**Jouan, C.** Petit-lait tournesolé et succédanés. C. rend. Soc. biol., 1916, **79**: 520–2.—**Kassel, W.** Ueber Erfahrungen mit einer neuen BM Konserve. Berl. klin. Wschr., 1905, **42**: 903–5.—**Kieferle.** L'utilisation du lait écrémé, du babeurre et du petit-lait. Lait, 1939, **19**: 188–205.—**Kionka, H.** BM-konserve. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **3**: 84.—**Knaysi, G.** Some factors other than bacteria that influence the body of artificial BM. J. Agr. Res., 1927, **34**: 771–84.—**Lima, T.** Emprêgo do leite em pó e das farinhas na alimentação das crianças (alguns casos clínicos de minha observação pessoal) Impr. méd., Lisb., 1936, **2**: insert, 5–12.—**Lorenzo y Deal, J., Ayala, W., & Ceretta, H. O.** Preparación y composición del babeurre medicinal. Arch. pediat. Uruguay, 1939, **10**: 657–68.—**Lyons, J.** The influence of the type of equipment used for the separation and treatment of cream on churning time and loss of fat in the BM. Econom. Proc. R. Dublin Soc., 1942, **3**: 119–29, pl.—**McDowall, F. H.** Butterfat losses in BM. N. Zealand J. Sc., 1937–38, **19**: 682–90.—**Madeira Pinto.** La valeur du babeurre. Pôrto med., 1906, **3**: 98.—**Manin, F.** Ueber den Trockenstoffgehalt der BM aus magerem und fettem Rahm. Milchwirtsch. Ztg, 1942, **50**: 599.—**Martins, F.** Vantagens do leitelho na realimentação do lactente dispéptico. Arq. pediat., Rio, 1948–49, **21**: 149–56. Also Rev. méd. Bahia, 1948, **16**: 243–50.—**Melquiades, G.** Do emprego do leitêlho fresco açucarado na rotina dietética. Impr. méd., Rio, 1943, **18**: No. 351, 44–8.—**Onoki, T.** Rakumusunyū sei-seihō no iti henpō ni tuite [A variant method of manufacturing pure BM] Gun idan zassi, 1929, 1058–66, ch.—**Pien, J.** Babeurre et lait écrémé. Ann. falsif., Par., 1936, **29**: 323. ——— **& Martin, R.** Considérations générales sur les babeurres. Lait, 1932, **12**: 513–22.—**Pikler, L.** Préparation d'un babeurre artificiel légèrement acide. Ibid., 1942, **22**: 1–8.—**Ritter, W., & Nussbaumer, T.** Einige einfache Versuche über den Einfluss von Zusätzen auf den Fettgehalt der BM. Milchwirtsch. Zbl., 1942, **71**: 18.—**Siga, I.** Rakunyū no tiryō-

teki ōyō [Medical use of BM] Zika zassi, 1931, 1731–3.—**Stolte, K.** Kaukasan, ein neues BM-präparat. Deut. Gesundhwes., 1949, 4: 61–3.—**Wolff, J.** Ueber die Behandlung von Ernährungsstörungen bei Säuglingen mit BM. Münch. med. Wschr., 1943, 90: 333–6.

—— Curd milk.

Monteuuis, A. Le lait caillé, élixir de longue vie et le retour à la nature. 40p. 8° Par., 1905.
Also Pratique jour., Lille, 1905–06, 6: 139–75. Also Rev. gen. clin. thér., 1905, 19: 402; 419.

Angeli, B. Norme pratiche per l'analisi del latte coagulato. Atti Accad. fisiocr. Siena, 1931, 10. ser., 6: 561.—**Bance, J.** L'analyse des laits coagulés. Ann. falsif., Par., 1923, 16: 468–83. ——— L'expertise des laits coagulés. Arch. Inst. Pasteur Tunis, 1924, 13: 71–97.—**Bikoff, H. S., Brown, S. S.** [et al.] Study of sonized soft curd milk prepared from certified milk. N. York State J. M., 1941, 41: 2052–7.—**Bryce, A.** The limitations of curdled milk therapy. Brit. M. J., 1910, 2: 1586–8.—**Camescasse, J.** Le lait caillé français. Bull. gén. thér., 1922, 173: 492–6.—**Corbin, C. I.** Soft curd milk. Certif. Milk, 1933, 8: No. 81, 5; No. 82, 5.—**Dutour, A.** Les laits caillés et les ferments lactiques. J. diét., Par., 1911, 2: 134–6.—**Ellis, H. R.** Soft-curd milk. Vet. Bull., Wash., 1934, 28: 160.—**Fonzes-Diacon.** La constante moléculaire simplifiée dans l'analyse des laits coagulés. Ann. falsif., Par., 1919, 12: 202.—**Khlopin, G. V.** Svinec v laktobacillinovoj prostokvaše. Russ. vrach, 1907, 6: 741.—**Méry & Terrien, E.** De l'emploi combiné de la bouillie de malt et du lait caillé. Arch. méd. enf., 1908, 11: 291–304.—**Noissidés.** Contribution à l'étude de l'origine du lait caillé oriental. Chron. méd., 1909, 16: 39–43. Also Grèce méd., 1912, 14: 41–3.—**Nicholls, L., Nimalasuriya, A., & De Silva, R.** The preparation of fermented milk (curds) Ceylon J. Sc., 1939, 5: 17–20.—**Padé, L.** Analyses des laits congelés. Ann. falsif., Par., 1915, 8: 170–2; Disc., 155.—**Pasricha, C. L., Lal, S., & Goyal, R. K.** A bacteriological study of curdled milk (dahi) Ind. M. Gaz., 1938, 73: 94–6.—**Radionov, N. I.** Svinec v posude dlja prigotovlenija laktobacillinovoj prostokvaši. Russ. vrach, 1907, 6: 1036–9.—**Schlutz, F. W.** Coagulated milk and its dietary uses. J. Am. Diet. Ass, 1934, 9: 397–400.—**Turner, A. W.** Studies on soft curd milk prepared by the enzyme treatment method. Proc. Soc. Exp. Biol., N. Y., 1941, 46: 593–5.—**Wilson, L. T.** Soft curd milk; methods of production and special values. Certif. Milk, 1939, 14: 7.

—— Kajmak.

Gutschy, L. Contribution à l'étude de la mycologie du kajmak. Lait, 1927, 7: 113; 256; 624, 2 pl.

—— Kefir.

See also **Kefir.**

Merck (E.) Chemische Fabrik [Darmstadt] Kefir; sein Bereitung, Anwendung und seine Indikationen. 26p. 22cm. Darmstadt, 1913[?]
Forms No. 6, of its Wiss. Abh. Also Merck Jahrber. (1910) 1911, 24: 40–65.

Dobrzyński, J. Kefir jako środek odżywczy i leczniczy. Polski tygod. lek., 1948, 3: 1576.—**Guéguen, T.** Préparation du lait de képhir au moyen du lait concentré à bord des navires ou la terre, aux colonies. Arch. méd. nav., Par., 1909, 91: 214–36.—**Murata, N., Mitiyuki, A., & Kimura, T.** Kefir-ryū no biseibutu ni kan-suru kenkyū; kōbo ni tuite [Studien über die Microorganismen der Kefir-Körner; Hefe] Jap. Zschr. Mikrob., 1937, 31: 1328–35, pl.—**Olevsky, M. I.** Vlijanie kefira na sekretornuju i motornuju funkciju piščevaritelnogo trakta. Biul. eksp. biol. med., 1947, 23: 14–7.—**Oischanietzki.** Contribution à l'étude de la valeur nutritive et thérapeutique du képhyr. Ann. Fac. fr. méd. pharm. Beyrouth, 1936, 5: 348–57.—**Schulz, M., & Werner, W.** Der Vitamin B_2-Gehalt von Kefir-Pilzen. Zbl. Bakt., 2. Abt., 1942–43, 105: 26–31. ——— Der Vitamin B_1-Gehalt von Kefirpilzen und Kefirpulver. Ibid., 1943–44, 106: 28–31.

—— Kumys.

See also **Kumys.**

Ferreira de Macedo, A. *O koumys. 57p. 22cm. Porto, 1876.

Stange, V. A. *Степной кумыс и применение его к лечению заболеваний дыхательных и пищеварительных путей. 87p. 24cm. S. Peterb., 1883.

Belokopytowa, E., & Luck-Smirnowa, O. Ueber die Mikroflora des Kumys. Zbl. Bakt., 2. Abt., 1929, 79: 185–94.—**Berlin, P. J.** [Vitamin C in kumys and mare's milk] Probl. tuberk., Moskva, 1938, No. 3, 140.—**Cowley, L. M.** Leche de burra y leche de yegua; koumis. Rev. méd. cubana, 1907, 11: 19–25.—**Ginzberg, A.** Die chemischen Vorgänge bei der Kumys- und Kefirgärung. Papers Internat. Congr. Appl. Chem. (1909) 1910, 7. Congr., Sect. 6b, 112–5.—**Jakhnin, I., & Mikhajlov, M.** Kumysolećebnicy. In: Bolsh. med. enciklˌ, 1930, 15: 114–9.—**Kinosita, Y.** Hai-kekkaku-kanzya ni okeru kumyss-ryōhō no zikken-teki kenkyū [Experimental studies on the kumyss treatment with tuberculosis patients] Nippon igaku, 1944: 445; passim.—**Koumis** (Le) ou lait de jument algri. Année sc. indust., Par., 1862, 6: 305–7.—**Lurje, E. M.** K voprosu o bakterijakh moloka i vozmoźnosti obezzaraźivanija kumysa i kefira. J. Russ. obshch. okhran. narod. zdrav., 1905, 15: 92–113.—**Mamish, M. G.** [Simultaneous course of malaria and pulmonary tuberculosis in kumys treatment] Kazan. med. J., 1940, 36: 53–7.—**Mariupolskaja, T. L.** Reakcia osedanija eritrocitov pri klimato-kumyso-lećenii u detej. Pediatria, Moskva, 1939, No. 2, 81–5.—**Mikhajlov, M., & Jakhnin, I.** Kumys, kumysolećenie. In: Bolsh. med. enciklˌ, 1930, 15: 101–14.—**Rajssky, J. G.** [Ueber den Kumys aus gekochter Stutenmilch] Vopr. pitan., 1935, 4: No. 4, 152–4.—**Sigrist, A. V.** Kumys i osnovy kumysolećenija [Bk Rev.] Probl. tuberk., Moskva, 1949, No. 5, 77. ——— **& Krivošeev, P. A.** Primenenie kumysa pri nekotorykh khirurgičeskikh osložnenijakh u tiaželo ranenykh v uslovijakh frontovogo evakohospitalja. Khirurgia, Moskva, 1946, No. 8, 90.

—— Kurunga.

Khundanov, L. E., & Krotova, V. A. Kislomoločnyj produkt; kurunga. Priroda, 1949, No. 10, 59–61.

—— Leben.

Grixoni, G. Nuovo latte fermentato, facile a prepararsi nei servizi ospedalieri, il Gioddu. Ann. med. nav., Roma, 1905, 2: 217–39.

—— Mazun.

Düggeli, M. Bakteriologische Untersuchungen über das armenische Mazun., Zbl. Bakt., 2. Abt., 1905, 15: 577–600.—**Kazarjan, A. D.** [Vitality of bacteria of the typhoid-paratyphoid group and B. melitensis in the sour milk product Macun] J. mikrob., Moskva, 1936, 17: 684–91. ——— [La microflore du mazzoni d'Arménie] Vopr. pitan., 1936, 5: No. 6, 143–8.—**Weigmann, H., Gruber, T., & Huss, H.** Ueber armenisches Mazun. Zbl. Bakt., 2. Abt., 1907, 19: 70–87, 5 pl.

—— Yogurt [Abbr.: Y]

Tarkhanov, I. R. O kislom moloke I. I. Mećnikova, kak sredstva prodlenija źizni i borby s različnymi boleznjami. 31p. 8° S. Peterb., 1906.

Allard, J. Note sur la fabrication du Y au Tchad. Lait, 1932, 12: 616–8.—**Andor, E.** [Y (coagulated milk)] Allatorv. lap., 1938, 61: 242–4.—**Bertarelli, E.** Y, latte acido, fermenti lattici. Pensiero med., 1926, 15: 437–9.—**Denes, G., & Leban Lupi, M. P.** Vigilanza igienica sul latte fermentato Y. Igiene mod., 1936, 29: 336–44.—**Duijn, C. v., jr.** Y en verwante melkproducten. Voeding, 1947, 8: 204–8.—**Forster, K. A.** Vitamingehalt der Sauermilchpräparate Y, Kefir und Saya. Biochem. Zschr., 1931, 236: 276–97.—**Fouassier, M.** Le yaourt et les laits fermentés, avec un exposé des théories de Metchnikoff sur la vieillesse prématurée. Rev. hyg. méd. prév., 1933, 55: 345–68.—**Fykow, A., & Mayer, J. B.** Ernährung der Säuglinge mit bulgarischer Sauermilch (Y) und ihre Wirkung auf die Darmflora. Münch. med. Wschr., 1940, 87: 271 (Abstr.)—**Hohenadel, M.** Kefyr und Y. Pharm. Zhalle, 1911, 52: 1337; 1371; 1401.—**Kleeberg, J.** Studien über Y und Kefir; Untersuchungen an Handelspräparaten. Zbl. Bakt., 2. Abt., 1926, 68: 321–6. ——— Die therapeutische Bedeutung von Y und Kefir in der inneren Medizin. Deut. med. Wschr., 1927, 53: 1093–5.—**Kumano, H.** Yoghurt ni tuite (kan-i seizō-hō) [An easy method of making Y] Nippon eisei kagakkai si, 1930, 2: 92–4.—**Laxa, O.** La clasificación del Y (transl.) Rev. hig. san. pecuar., Madr., 1931, 21: 616–9.—**Less, E.** Wetter-Monatsübersicht. Naturwiss. Wschr., 1912, 11: 523.—**Luchetti, G.** Comme se comporte le Geotrichum javanense, Ver. dans le lait? Boll. Sect. ital., Soc. internaz. microb., 1934, 6: 490.—**Makarov, G. A.** O dietićeskom znaćenii kislago moloka Mećnikova. Med. pribav. morsk. sborn., 1907, pt 2, 199–228.—**Masci-Petriccioni, E.** Y e Piophila casei. Ann. igiene, 1928, 38: 648–50.—**Meihuizen, F. H.** [A convenient way of preparing Y milk] Geneesk. tschr. Ned. Indië, 1928, 68: 299.—**Miyakawa, K.** Yoghurt no kesseigaku-teki kenkyū [Serologische Untersuchungen über Y] Jap. Zschr. Mikrob., 1937, 31: 1219–28.—**Ohkawa, Y.** Sannyū (yoghurt) no eiyō kati ni tuite [The nutritive value of Y] Osaka igakkai zassi, 1933, 32: 3581–92.—**Refik Bey.** Recherches bactériologiques sur le yo-ourt et le bacille turc. Lait, 1925, 5: 681–90, 2 pl.—**Rosell, J. M.** Y milk. Canad. Pub. Health J., 1933, 24: 344–7.—**Saitz, C.** [Preparation of Y for nursing babies] Cas. lék. česk., 1929, 68: 1037–43.—**Samarani, F.** Il Maya Bulgara. Ann. Ippocrate, 1910–11, 5: 204; 234; 258.—**Santos, I. dos.** O Y como fermento lácteo. J. med., Pôrto, 1945–46, 7: 501.—**Schern, K., & Muñoz, F.** Ueber die Unterscheidung von Y und Kefir. Berl. tierärztl. Wschr., 1926, 42: 377–82.—**Tarkhanov, I. R.** Značenije kislago moloka I. I. Mećnikova dlja zdorovija i v borbe s različnymi boleznjami. Russ. vrach., 1906, 5: 317–22.—**Weil, A. J.** Die bakteriologische Kontrolle des Y. Zbl. Bakt., 2. Abt., 1926–27, 69: 321–7.—**Wolff, A.** Was ist Y und Intestibakter, und worin besteht deren Wirkung? Pharm. Zhalle, 1913, 54: 1178–81.

MILK fever.

Alarcón, A. G. La fiebre de la leche seca. C. A. M. E. P., Méx., 1938, **3**: 94–7.—**Blechmann, G.** Fièvre de lait concentré. Hôpital, 1946, **34**: 44. ——— Fièvre de lait sec. Ibid., 45.—**Broca, R., & Marie, J.** La fièvre de lait sec. Année pédiat., 1934, **1**. ser., 83–7.—**Marie, J.** La fièvre de lait sec. Synthèse, Par., 1935, **3**: No. 10, 21–4, tab.—**Mora.** La soi-disante fièvre de lait sec des nourrissons. Médecin chez lui, 1933, **10**: No. 14, 25–9.—**Péhu, M.** Sur la fièvre du lait sec. Lait, 1932, **12**: 603–10.

MILK (goat's)

See **Goat**; also **Milk type.**

MILK grading.

See also **Milk (certified) Milk control; Milk production; Milk quality.**

Anderson, J. F. Quality grades for milk supplies. Med. Off., Lond., 1917, **17**: 21–3.—**Bateson, S. W.** Grading of milk supplies. Buffalo M. J., 1916, **72**: 239–41.—**Bodger, H. W. S.** The production of graded milk. Vet. Rec., Lond., 1926, **6**: 1077–83.—**Chapin, H. W.** The principles of top milks. N. York M. J., 1906, **84**: 1113.—**Fischer.** Grades of milk. CIOS Rep., Lond., 1945, Item 24 & 25, No. XXVIII–59, 27.—**Grading** of milk. Brit. M. J., 1933, **1**: 521.—**Jacobi, A.** The gospel of top milk. J. Am. M. Ass., 1908, **51**: 1216–9.—**Kelly, E.** Classification and grading of milk. Am. J. Pub. Health, 1927, **17**: 224–6.—**Lederle, E. J.** Problems in sanitary milk classification, with special reference to the experience in New York City. Science, 1913, n. ser., **38**: 375.—**Lythgoe, H. C.** The grading of milk. Commonhealth, Bost., 1938, **25**: 311–4.—**McAllan, J.** The grading of milk. J. State M., Lond., 1929, **37**: 229–39.—**Melvin, A. D.** Commercial classes of milk. J. Am. M. Ass., 1907, **49**: 1092.—**North, C. E.** The public value of different milks. Med. Rec., N. Y., 1913, **84**: 924–7.—**Reynolds, F. M. K., Weddel, F. J., & Henze, C.** [Milk, classified] CIOS Rep., Lond., 1945, Item 24, No. XXII–14, 8.—**Smyth, H. F.** Ten years' experience with the grading of milk. J. Am. M. Ass., 1917, **69**: 1772.—**Stringent** milk grading. Med. Off., Lond., 1943, **69**: 35.—**Tankard, A. R.** Grading of milk; the handling and distribution of milk. Brit. Food J., 1937–38, **39**: 93–5.

—— Bacteriology.

See also **Milk bacteria.**

Hempler, P. A comparison of some methods of bacteriological grading of milk. p.1–79. 26½cm. Kbh., 1940.
In: Aarsskr. Vet. Landbohøjsk., Kbh., 1940.

Nichols, A. A., & Edwards, S. J. The comparative values of the plate count and the modified methylene-blue reduction test as routine methods for grading milk. p.258–70. 25½cm. n.p., 1936.

Wilson, G. S. The bacteriological grading of milk. 392p. 8° Lond., 1935.
Forms Spec. Rep. No. 206. Gt Brit. Privy Counc. Med. Res. Counc.

Bacteriological grading of milk; a survey of technical procedures. Brit. M. J., 1936, **1**: 227.—**Bacteriological** tests for graded milk. Lancet, Lond., 1936, **2**: 1180. Also Analyst, Lond., 1937, **62**: 126.—**Grading** of milk by the total bacterial count. Lancet, Lond., 1936, **1**: 121.—**Laxminarayana, H.** Bacteriological grading of Indian milks. Current Sc., Bangalore, 1946, **15**: 314.—**Majoewsky, W.** [Bacteriological classification of milk in relation to quality] Tschr. diergeneesk., 1936, **63**: 26–9.—**Pennington, M. E., & Roberts, E. I.** The significance of leucocytes and streptococci in the production of a high-grade milk. J. Infect. Dis., 1908, **5**: 72–84.—**Priestley, A. H.** Bacteriological grading of milk. Lancet, Lond., 1936, **2**: 827.

—— Grade A milk.

See also **Milk quality.**

Dixey R. N. Tuberculin-tested milk; a study of re-organization for its production. 111p. 8° Oxf., 1937.

Rinear, E. H., & Moore, H. C. Maintenance of grade A milk. 24p. 8° Durham, 1936
Forms No. 291, Bull. N. Hampshire Agr. Exp. Sta.

Brown, R. K. Grade A (tuberculin tested) milk. Guy's Hosp. Gaz., Lond., 1925, **39**: 4.—**C., C. H.** Tuberculin tested milk. Health Bull., Edinb., 1943–45, **3**: 6.—**Collumbien, J.** Le clean milk ou grade A milk dans les Pays-Bas. Lait, 1925, **5**: 340–4.—**Eller, W. E.** Grade A milk. Health Bull., Raleigh, 1947, **62**: No. 8, 5–7.—**Freear, K., Mattick, A. T. R., & Williams, R. S.** A study of the bacteriological examination of grade A (cert.) milk. J. Hyg., Lond., 1921–22, **20**: 125–31.—**Gaiger, S. H., & Davies, G. O.** Bovine tuberculosis: biological tests of milk. Vet. Rec., Lond., 1933, **13**: 874–6.—**Gloyne, S. R.** Bacterial counts in grade A (tuberculin tested) milk. Tubercle, Lond., 1925–26, **7**: 213–7.—**Jarrett, J. M.** Why you should demand grade A milk. Health Bull., Raleigh, 1942, **57**: No. 6, 8–11.—**Maddock, C.** The production and distribution of grade A (tuberculin tested) milk. J. State M., Lond., 1926, **34**: 537–44.—**Mattick, A. T. R., & Williams, R. S.** Evidence of the necessity for a bacteriological standard for grade A milk. J. Hyg., Cambr., 1922–23, **21**: 33–6. ——— The bacteriological condition and keeping qualities of grade A (certified) milk during the year 1921. Ibid., 134–8.—**Nicolas, E., & Porcher, C.** Un des cotés de l'approvisionnement des villes en lait; de la tuberculination; moyens de l'assurer. Bull. Soc. sc. vét. Lyon, 1907, **10**: 274–94.—**Ruehe, H. A.** Selling the Grade A milk ordinance to a community. Bull. Dep. Health Lincoln, 1942, May, 4–16. Also Illinois Health Mess., 1942, **14**: 50.—**Steele-Bodger, H. W.** The establishment and maintenance of a tubercle-free herd and the production of graded milk. Vet. Rec., Lond., 1929, **9**: 1031–35.—**Thomasson, H. L.** Grade A milk. Bull. Dep. Health Lincoln, 1942, No. 11, 6–8. ——— Just milk or Grade A milk for our children. Ibid., Apr., 5–7. Also Month. Bull. Bd Health Indiana, 1942, **45**: 93.—**Tuberculin-tested** milk. Vet. Rec., Lond., 1943, **55**: 221; 281.—**Vos, F.** Melk van tuberculose-vrij vee. Tschr. sociale geneesk., 1924, **2**: 23.

—— special [incl. children's milk]

Brinton, R. F. Special grades of milk recognized by the state department of health. Annual Rep. Pennsylvania Ass. Dairy & Milk Insp., 1933, **9**: 103–7.—**McCleary, G. F.** The public supply of pure or specially prepared milk for the feeding of infants. Lancet, Lond., 1906, **2**: 422.—**Priestly, J.** Milk grading; licenses for the purchase and sale of milk of special quality; conditions of production required by the Local Government Board. Pub. Health, Lond., 1918–19, **32**: 3.—**Rocaz.** Le lait pour nourrissons de la ville de Bordeaux. Lait, 1925, **5**: 458–63.—**Siegmund.** Kur- und Kindermilch. Schweiz. Arch. Tierh., 1908, **50**: 170–9.—**Winkler, W.** Ueber die heutigen Anforderungen an Kindermilch. Wien. med. Wschr., 1925, **75**: 2057–62.

—— Standards.

See also **Milk bacteria,** Standards; **Milk composition,** Standards.

Anderson, J. F. Why standards for milk are necessary to the welfare of the dairy industry. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 96–103.—**Bacteriological** standards for milk. Pub. Health Rep., Wash., 1914, **29**: 1218–21.—**Barnes, M. E.** Attainable standards in the bacterial counts of raw and pasteurized milk. Am. J. Pub. Health, 1936, **26**: 561–6.—**Brenkman, C. J.** Modelmelk, misverstand en mystificatie. Tschr. sociale geneesk., 1927, **5**: 17.—**Chapin, H. D.** The principle of top milks. N. York M. J., 1906, **84**: 1113.—**Cook, L. B.** Uniformity of standards. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 174–7.—**Hawley, E. E., & Mast, E. E. M.** Standards for the grading of milk; regulations of the sanitary code referring to the sale of milk in New York state. In their Fundam. Nutr., Springf., 1940, 383.—**McClemont, J.** Evolution of bacteriological standards for milk in England. Brit. M. Bull., 1947, **5**: 201–5.—**Majoewskij, W.** [Bacteriological norms in the regulation of milk standards] Tschr. diergeneesk., 1935, **62**: 366–73.—**North, C. E.** Milk standards. Am. J. Pub. Health, 1918, **8**: 228.—**Official** standards and grades of milk and cream. Puerto Rico Health Bull., 1938, **2**: 230–4.—**Schofield, W. W.** Many grades or one safe standard. Pub. Health News, Trenton, 1925, **10**: 52–5.—**Watkins, A. G.** An investigation into the standard of milk supplied to children. Brit. M. J., 1943, **1**: 140.

—— by countries.

See also **Milk composition**—by countries; **Milk hygiene**—by countries.

Defrance, P. *Les normes des laits de Montpellier, appendice; quelques observations sur l'analyse des laits conservés par addition de bichromate de potasse. 44p. 8° Montpel., 1908.

Brooke, M. S. Milk standards and milk safety; a critical analysis in relation to Glasgow's milk supply. Glasgow M. J., 1947, **28**: 378–86.—**Wilson, G. S.** The system of grading milk in the United States of America. Q. Bull. Health Org. League of Nat., 1932, **1**: 664–711.

MILK handler.

See also **Milk distribution; Milker; Milk merchandizing.**

Borman, E. K., West, D. E., & Mickle, F. L. Laboratory examinations of milk handlers. Am. J. Pub. Health, 25: 557–70. Also Brit. M. J., 1935, **1**: 1324.—**Borrino, A.** Utilità e pericoli dei distributori di latte per bambini. Atti Accad. fisiocr. Siena, 1920, 8. ser., **12**: 232–43.—**Foote, F. M., Welch,**

H. [et al.] Incidence and significance of beta hemolytic streptococci in cultures from a selected group of milk handlers. Am. J. Pub. Health, 1936, 26: 799–806.—**Hazelhurst, G. H.** The medical examination of milk handlers. J. M. Ass. Alabama, 1935–36, 5: 328–30.—**Kelly, E.** The need for medical inspection of employees who are engaged in the production and handling of milk. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, 4: 80–6.—**McDaniel, O.** The medical examination of dairy workers. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 214–20.—**Matschke & Gagel.** Milchhändlerlehrgänge und Milchpropaganda. Deut. tierärztl. Wschr., 1927, 35: 254–7.—**Park, W. H.** The medical examination of employees. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 21.

MILK hygiene.

See also **Milk control, hygienic; Milk examination, hygienic; Milk inspection; Milk purity; Milk quality; Milk sanitation; Milk supply.**

Fajardo, A., filho. *Contribuição ao estudo hygienico do leite. 76p. 8° S. Paulo. 1927.

Helmbold, J. H. W. R. *Beiträge zur Milchhygiene. 33p. 8° Königsb.-Pr., 1936.

Klein, L. A. Notes on milk hygiene 215 l. 4° Moylan, 1936.

Lernould, P. *Hygiène et lait. 90p. 8° Par., 1931.

Porcher, C. C. T. Rapport sur l'hygiène du lait. p.1224–324. 22cm. Par., 1911.
Rev. hyg., Par., 1911, **33:**

Sysin, A. N., & Barkhan, E. M. [Hygiene of milk and dairy products; collection of articles] 283p. 20cm. Moskva, 1929.

Barthe, L. L'hygiène du lait. J. méd. Bordeaux, 1932, **109:** 655–8.—**Bates, C. O.** Municipal hygiene; milk. Proc. Iowa Acad. Sc., 1906, **13:** 17–20.—**Bermbach.** Milchhygiene. Veröff. Tierärzte Preussens (1902) 1904, **3:** pt 2, 69–81.—**Brenkman, C. J.** Hygiënische melkwinning; een ernstig streven. Tschr. sociale geneesk., 1925, **3:** 5.—**Cardinali, G.** Alcune considerazioni igieniche sul latte. Pediat. prat., Mod., 1935, **12:** 101–18.—**Claveaux.** L'hygiène du lait. Lait, 1935, **15:** 971–80.—**Confalone, R.** Il latte igienico. Gior. med. mil., 1934, **82:** 597–607.—**DeVine, B.** Estimate of the value of milk from a hygienic point of view. Vet. Rec., Lond., 1938, **50:** 1725–7.—**Fabian, F. W., Boisvert, O. E.** [et al.] Milk and dairy products. Am. J. Pub. Health, 1938, **28:** Suppl. 66–74.—**Fettick, O.** Erdekesebb esetek a tejhygiéne köréből. Allatorv. lap., 1911, **34:** 233–7.—**Garnier, M.** L'hygiène du lait. C. rend. Jour. méd. Beyrouth, 1938, **1:** 72–83.—**Glover, J. S.** Milk hygiene and its application. Canad. J. Comp. M., 1938, **2:** 170–4.—**Guittonneau, Mocquot, G.** [et al.] La leche sana. Bol. Inst. protec. inf., Montev., 1937–38, **11:** 499 (Abstr.)—**Hainaut, E.** L'hygiène du lait. Mouvement hyg., Brux., 1912, **28:** 121–6.—**Hamill, J. M.** Milk. Lancet, Lond., 1933, **2:** 1495–8.—**Hardenburg, J. G.** Milk hygiene. Vet. Bull., Wash., 1937, **31:** 97–107.—**Harnett, P.** Milk hygiene. Vet. Rec., Lond., 1934, **14:** 1193–202.—**Heinemann, P. G.** Sanitary milk. Arch. Pediat., N. Y., 1908, **25:** 436–45.—**Juel-Brockdorff, E.** [Hygiene of milk and stable] Ugeskr. laeger, 1941, **103:** 254.—**Kiszkiel, J.** Mleko z punktu widzenia hygieny. Zdrowie, Warsz., 1907, **23:** 347–70.—**Knothe, H.** Gesunde Milch, eine hygienische Forderung des Tages. Oeff. Gesundhdienst, 1950, **11:** 333–9.—**Kolle.** Milchhygienische Untersuchungen. Klin. Jahrb., 1904, **13:** 319–50.—**Leche.** Bol. Of. san. panamer., 1940, **19:** 1136.—**Lesné.** A propos de l'hygiène du lait. Bull. Acad. méd., Par., 1945, **129:** 275. ——— & **Ribadeau-Dumas.** A propos de l'hygiène du lait. Ibid., 1944, **128:** 478–81.—**Medicine** and milk. Brit. M. J., 1907, **1:** 585.—**Milk,** tinned foods and bread. Nature, Lond., 1947, **160:** 307.—**Miranda, F. de P.** Higiene de la leche. Salubridad, Mex., 1930, **1:** 1122–7.—**Moynihan, B. G. A.** Milk. Practitioner, Lond., 1931, **126:** 385–94.—**Müller, P. T.** Zur Milchhygiene. Mitt. Verein. Aerzte Steiermark, 1905, **42:** 301–4.—**Pastorino, A. E.** Condiciones higiénicas de la leche de consumo. Arch. pediat. Uruguay, 1945, **16:** 297–300.—**Pesce, P. A.** Il latte nei riguardi dell'igiene alimentare. Gior. Soc. vet. ital., 1906, **55:** 1145; passim.—**Piquero, A. R.** La leche do consumo; su higiene. Rev. med., B. Air., 1940, **2:** 909–14.—**Pritzker, J.** Ueber hygienische Milch. Schweiz. Apoth. Ztg., 1915, **53:** 583; passim.—**Randall, R.** Milk hygiene. Vet. Bull., Wash., 1921, 8: 158–61.—**Reitz, A.** Milchhygiene und Bakteriologie. Zschr. Fleisch Milchhyg., 1906, **16:** 378–82.—**Rensoli.** Leche. Actas Conf. Panamer. dir. nac. san., 1931, **2:** 53–8.—**Rullmann, W., & Trommsdorff, R.** Milchhygienische Untersuchungen. Arch. Hyg., Münch., 1906, **59:** 224–65.—**Salus, G.** Untersuchungen zur Hygiene der Kuhmilch. Ibid., 1912, **75:** 353–70.—**Salveraglio, F.** Higiene de la leche. Día méd. urug., 1946–47, **14:** 586–95.—**Schreiber, G.** Le lait; étude d'hygiène et de prophylaxie infantiles. Rev. path. comp., Par., 1933, **33:** 675–9.—**Shrader, J. H.** Milk; whither research? Certif. Milk, 1941, **16:** No. 178, 7.—**Sikkes, M.** Een eenvoudige hygiënische melkwinning. Tschr. sociale geneesk., 1925, **3:** 5, illust.—**Sordelli, A.** Defensa higiénica de la leche. Rev. Inst. bact. Dep. nac. hlg., B. Air., 1935–36, **7:** 270–86.—**Steuer, E.** Zum Abschnitt Milchhygiene. Oeff. Gesundhdienst, 1939–40, **5:** A, 677–91.—**Tapernoux, A.** L'hygiène du lait dans la crise actuelle. In: Aliment. & santé, Par., 1945, 45–50. ——— Le lait. In: Traité hyg. (Rochaix, A.) Par., 1946, **1:** 412–50, illust.—**Tarbett, R. E.** Milk and milk products. In: Chicago Cook Co. Health Surv., N. Y., 1949, 228–46.—**Thieulin, G.** L'hygiène du lait. Rev. gén. clin. thér., 1934, **48:** Suppl., 2092–7.—**Tonina, T. A.** La leche apta para el consumo. Sem. méd., B. Air., 1941, **48:** pt 1, 1373–87.—**Torian, O. N.** Milk and its relation to health. Indiana M. J., 1908–09, **27:** 45–8.—**Torras Cabarrocas, L.** La léche desde el punto de vista sanitario. Rev. méd. cubana, 1943, **54:** 1007; passim.—**Van Huffelen, E.** De melk in hygienisch opzicht. Handel. Vlaamsch. nat. geneesk. Congr. 1910, 14. Congr., 240–8.—**Waddell, J.** Milk, sanitary and otherwise. Sc. Month., 1917, **4:** 155–64.—**Waerden, H. van der.** Melkhygiënische onderzoekingen; voorloopige mededeeling. Tschr. sociale hyg., 1910, **12:** 169–76.—**Winslow, C. E. A.** Le lait. Rev. hyg., Par., 1927, **49:** 641–62.

—— Control.

See **Milk control.**

—— Hazards.

See also **Milkborne disease; Milk contamination; Milk defect; Milk nutrition,** Pathological effect; **Milk poisoning.**

Jannin-Bouin, S. *Les laits insalubres; leur législation, leur contrôle rapide. 157p. 25cm. Nancy-Laxou, 1939.

New York, N. Y. Department of Health. Milk Commission. Is loose milk a health hazard? 254 p. 23cm. N. Y., 1931.

Hauser, A., & Fouassier, M. L'hygiène laitière dans ses rapports avec la mortalité infantile du premier âge. Lait, 1935, **15:** 141–3.—**Houdinière, A.** Le lait malsain. Ibid., 1942, **22:** 134; 224. Also Zbl. ges. Hyg., 1943, **51:** 88 (Abstr.)—**Hughes, D. A.** Unhealthy milk as a federal problem. Am. Vet. Rev., 1907–08, **32:** 497–505.—**Josephson, E. M.** The truth about milk. In his Your Life is Their Toy, N. Y., 1940, 93–120.—**King, E. D.,** jr. The fly and the milk supply. Certif. Milk, 1928, **2:** 9–11.—**MacMahon, J. R., & Hope, R.** Milk still unsafe. Brit. M. J., 1945, **2:** 230.—**Miller, D. J. M.** The dangers that may lurk in ordinary milk, and the duty of the physician to educate the public and the authorities in the necessity of a pure milk supply. N. York M. J., 1906, **84:** 595–8. Also Tr. Philadelphia Pediat. Soc. (1905–06) 1907, **2:** 78–83.—**North, C. E.** Milk dangers newly recognized. Bull. Vermont Bd Health, 1913–14, **14:** No. 2, 22–6.

—— History.

See also **Milk,** History.

Hanauer, W. Zur Geschichte der Milchhygiene bis zur Mitte des vorigen Jahrhunderts. Hyg. Rdsch., 1908, **18:** 1201–14.—**Rullmann, W.** Rückblicke auf die milchhygienischen Forschungen der letzten zwölf Jahre. Zbl. Bakt., 1. Abt., Orig., 1913, **71:** 165–82.—**Stuurman, S.** Een kwart-eeuw melkhygiëne. Tschr. diergeneesk., 1946, **71:** 933–7.

—— Instruction.

See also **Milk sanitarian.**

Illinois, U. S. A. Department of Public Health. Educational health circular No. 182: Milk. 4p. 21½cm. Springf., 1945[?] Also Rev. ed. 8p. 14cm. Springf., 1947[?]

Pan American Sanitary Bureau. Publication No. 51: Milk. 8p. 24cm. Wash., 1931.

Glage. Merkblatt für praktizierende Tierärzte über Milchhygiene und Milchbeurteilung. Berl. tierärztl. Wschr., 1922, **38:** 494; 505.—**Kelley, E.** Instruction in the schools concerning sanitary milk. Tr. Internat. Congr. School Hyg., (1913) 1914, **3:** 38–43.—**Schaffung** (Die) eines aufklärenden Films über Milch und Milchprodukte mit besonderer Berücksichtigung der Milchhygiene. Mitt. Lebensmitteluntersuch., Bern, 1923, **14:** 65–71.—**Serkovsky, S.** Novyja napravlenija v oblasti higieny moloka. J. Russ. obshch. okhran. narod. zdrav., 1904, **14:** 277–90. Also Zdrowie, Warsz., 1904, 2. ser., **4:** 467–80.

—— Practical aspects.

See also **Milk control; Milk production; Milk sanitation.**

Archibald, R. W. Sanitary milk and how to get it. Pediatrics, N. Y., 1914, **26:** 543–8. Also S. Paul M. J., 1914, **16:** 573–9.—**Bryan, C. S.** Practical aspects of milk hygiene. Vet. Med., Chic., 1948, **43:** 58.—**Davies, L. M.** Milk as it affects the producer. J. R. Inst. Pub. Health, 1937–38, **1:** 334–40.—**Fouassier, M.** L'hygiène laitière. Rev. hyg., Par., 1929, **51:** 5–32.—**Lesné.** Sur une réalisation importante de l'hygiène du lait. Bull. Acad. méd., Par., 1945, **129:** 118.—**Swarts, G. T.** A sanitary milk; how it can be obtained. Bull. Vermont Bd

Health, 1912-13, 13: No. 2, 3–16.—**Williams, H. C. M.** Milk as it affects the consumer. J. R. Inst. Pub. Health, 1937–38, 1: 341–60.

—— Problems.

See also **Milk problem.**

Beckert. Fragen zur Milchhygiene. Zschr. Medbeamte, 1927, 40: 37–42.—**Jiménez Núñez, R.** El problema de salubridad de mayor importancia, en mi concepto, para las poblaciones, es el abasto de leche de vaca sana y de calidad irreprochable. Rev. méd., S. José, 1937–38, 5: 121–6.—**Johnston, J.** The solution of the milk problem. N. York State J. M., 1908, 8: 6–11.—**Névot, A.** Quelques opinions en matière d'hygiène laitière. Presse méd., 1939, 47: 909–12.—**Restrepo, A.** La leche; un imperativo alimenticio y un problema sanitario. An. Acad. med. Medellín, 1946–47, 3: 258–82.—**Seelemann, M.** Problem der Milchhygiene. Deut. Gesundhwes., 1948, 3: 709.—**Sievers W., H. K.** El problema de la leche higiénica. Rev. zootécn., B. Air., 1938, 25: 9–25.—**Staśkiewicz, G.** Zagadnienia higieny mleka. Med. wet., Warsz., 1948, 4: 794–7.

—— rural.

Baird, B. D. Some considerations of the pure milk question in country districts. Wisconsin M. J., 1910–11, 9: 147–50.—**Chollet, A.** Soins à donner au lait à la ferme. Lait, 1929, 9: 108–12.—**Grassi, L.** L'hygiène du lait alimentaire dans les villes. Ibid., 1934, 14: 999–1015.—**Paquin, J.** Hygiène du lait sur la ferme. Canad. J. Comp. M., 1942, 6: 255–8.

—— by countries.

See also **Milk sanitation.**

Pires de Lima, A. *O valor hygienico do leite do Porto. 158p. 8° Pôrto, 1911.

Allard, E. U. L'hygiène du lait au Canada. Lait, 1938, 18: 813; 919.—**Bigger, J. W.** The progress of the clean milk campaign in Dublin. Irish J. M. Sc., 1934, 6. ser., 551–6.—**Conferencia** nacional sobre higiene de la leche. Bol. san., B. Air., 1940, 4: 491.—**Ehrström, W.** Discussions on milk hygiene at the Scandinavian Veterinary Congresses. Vet. Bull., Lond., 1942, 12: 61 (Abstr.)—**Girard, A.** L'hygiène du lait à Québec. Lait, 1939, 19: 1004–7.—**Hygiene** (The) of milk. J. Am. M. Ass., 1941, 117: 212.—**Iturbide Alvírez, S.** La higiene de la leche en México. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 308–15.—**Kramer, Y. M.** Experiencias hechas en Holanda para la mejora sistemática de la higiene de la leche. Rev. hig. san. pecuar., Madr., 1931, 21: 677.—**Meliço Silvestre, A.** A higiene do leite na cidade de Coimbra. Coimbra méd. 1937, 4: 88–106.—**Rodríguez, J., h.** Contribución al estudio de las condiciones sanitarias de la leche en la ciudad de Cumana, Estado Sucre. Mem. Congr. venezol. leche, 1939, 1. Congr., 228–30.—**Sarvide, M. H.** Breves consideraciones sobre el problema sanitario de la leche en México. Gac. méd. México, 1947, 77: 1–8.—**Schiavone, E. L.** Estudio de las condiciones higiénicas de la leche de consumo de algunas unidades de nuestro Ejército. Sem. méd., B. Air., 1941, 48: pt 1, 971–84.—**Sidorenko, S.** [Hygiene and control of milk in Novy Pazar] Glasnik Centr. hyg. zav., Beograd, 1940, 23: 431–52.—**Stuurman, S.** Melkhygiëne in West-Nederland. Tschr. diergeneesk., 1942, 69: 394–406.—**Suárez, P. A.** Trabajos de investigación llevados a cabo por los alumnos de higiene. Arch. Fac. cien. méd., Quito, 1933, 3: 5–21, ch.—**Sugaku, A.** Gyūnyū no saikin-sū kara mita kan-nai no gyūnyū eisei mondai [The problem of the sanitary condition of milk as observed from the bacterial count in the milk in places under the jurisdiction of the government of Hokkaidō] Sanitation, Tokyo, 1948, 1: 114–8.—**Unger, J.** Die Entwicklung der Milch- und Fleischhygiene in der Schweiz. Zschr. Fleisch Milchhyg., 1939–40, 50: 31; 41.

—— by countries: France.

Parisot, J., Melnotte, P., & Fernier, L. Milk hygiene in the Department of Meurthe-et-Moselle. p.662–729. 24cm. Genève, 1934.

Q. Bull. Health Org. League of Nat., 1934, 3:

Gernez-Rieux, C., & Buttiaux, R. L'hygiène du lait; un point important de l'hygiène laitière: les contaminations successives du lait du producteur au consommateur; étude bactériologique du certains laits livrés à la population du Nord de la France. Techn. hosp., Par., 1946–47, 2: No. 18, 11–5.—**Grenoilleau & Jouen.** Le problème de l'hygiène du lait en France. Mouvem. san., Par., 1936, 13: 363–75.—**Milhaud, F.** Le problème du lait devant le Ministère de la santé publique. Médecin fr., 1947, 7: 25.—**Thieulin, G.** L'hygiène du lait en France. Bull. Off. internat. hyg. pub., Par., 1936, 28: 105–23. Also Lait, 1936, 16: 337–56. Also Paris méd., 1936, 100: Annexe, 371–6. —— Organisation de l'hygiène du lait en France. Bull. Acad. méd., Par., 1942, 126: 264–6.—**Woringer, P.** L'hygiène du lait en 1923. J. méd. Paris, 1923, 42: 967–70. Also Méd. inf., Par., 1923, 29: 255–67.

—— by countries: Germany.

Hadlich, R. Die milchhygienischen Verhältnisse in Weimar seit Anfang der siebziger Jahre. Korbl. Allg. ärztl. Verein. Thüringen, 1908, 37: 341–58.—**Seelemann.** Probleme der Milchhygiene in Deutschland, ihre Lösung und Verwirklichung. Med. Mschr., 1948, 2: 448.—**Weyrauch, F., Kaires, A. & Müller, H.** Untersuchungen zum jetzigen Stand der Milchhygiene. Arch. Hyg., Münch., 1934, 113: 19–28.

—— by countries: Great Britain.

Brown, J. H. English standards for milk. Certif. Milk, 1936, 11: No. 126, 7.—**Davies, D. S.** Milk from a public health standpoint: City of Bristol. Bristol Med. Chir. J., 1909, 26: 44–6.—**Kay, H. D.** Safe milk in Great Britain. Nature, Lond., 1950, 165: 144.—**Kerr, H.** The clean milk campaign in Newcastle-upon-Tyne. Med. Off., Lond., 1924, 31: 203.—**Lethem, W. A.** Safer milk; the White Paper. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1943, 2: 92–4.—**Simons, O. V.** Safe milk controversy. Vet. Rec., Lond., 1943, 55: 134.—**Smith, W. R., Barham, G.** [et al.] Report of the Committee appointed by the Royal Institute of Public Health to consider the best means to insure a clean milk-supply to the consumer. J. Prev. M., 1906, 14: 705–26.

—— by countries: Italy.

Grassi, L. Il servizio igienico del latte alimentare in Italia. Clin. vet., Milano, 1928, 51: 746–63. —— L'igiene del latte alimentare in Italia. Med. & biol., Roma, 1943, 4: 369–81.—**Ichok, G.** L'action sanitaire à l'étranger; la protection du lait en Italie. Rev. hyg., Par., 1934, 56: 756–68.

—— by countries: United States.

District of Columbia. Health Department. Food Inspection Service. Milk report. Wash., 1921–39.

Providence. Department of Milk Inspection. Report of the inspector of milk. Providence (1934) 1935–

Arms, B. L. Some observations on the milk situation in the South. Am. J. Pub. Health, 1915, 5: 1246–50.—**Doughty, J. M.,** jr. New Mexico's fresh milk problem resulting from Bang's diseased cattle. N. Mexico Health Off., 1948, 16: 3–8.—**Edson, C. F.** The Los Angeles Health Department; the milk supply. South. California Pract., 1910, 25: 372–6.—**Giltner, W.** Milk hygiene in the United States. Vet. Med., Chic., 1939, 34: 346–51.—**Hoffman, W. E.,** jr. The inspection and chemical examination of the Baltimore milk supply. N. York M. J., 1908, 87: 69.—**Jilek, J.** [Military milk hygiene in the United States of America] Voj. zdrav. listy, 1936, 12: 28–38.—**Jordan, J. O.** Observations on the present-day milk situation. Am. J. Hyg., 1906–07, n. s., 3: 375–84.—**Le Mar, J. D., & Gunderson, M. F.** Public health aspects of a Nebraska milk supply. Nebraska M. J., 1938, 23: 59–63.—**Nederveen, H. J.** [Milk hygiene in the United States] Ned. tschr. hyg. microb., 1928–29, 3: 179–99.—**Steele, H. W.** The milk campaign in Maryland. Charities, N. Y., 1906, 16: 474–8.

MILKING machine.

Abbr.: MM.

Henderson, J. L., Roadhouse, C. L., & Folger, A. H. Sanitary care, operation, and installation of MM-s. Rev. ed. 16p. 24cm. Berkeley, 1942.

Lochhead, A. G., & Johns, C. K. Bacteriological investigations of MM-s. 37p. 8° Ottawa, 1929.

Forms No. 127, Bull. Canada Dep. Agr.

Adams, H. S. Cleaning MM-s. In his Milk & Food Sanit., N. Y., 1947, 55–8.—**Burgwald, L. H.** Some variations of the heat method for sterilizing MM-s. J. Agr. Res., 1927, 34: 27–33.—**Carlens, O., & Krestownikoff, A.** Ueber durch den Melkakt hervorgerufene hypoglykämische Zustände. Biochem. Zschr., 1927, 181: 176–82.—**Chome, E.** Un nouveau modèle de tire-lait électrique. Gyn. obst., Par., 1944–45, 44: 237.—**Churchward, R. E.** A note on the occurrence of electric shocks from MM-s and their possible effect on development of mastitis. Austral. Vet. J., 1948, 24: 150.—**Couvelaire, A.** Procédé nouveau de traite mécanique du lait par la succi-pompe de M de Rohan. C. rend. Soc. obst. gyn. pediat., Paris, 1908, 10: 291–3. Also Rev. prat. obst. pédiat., 1908, 21: 378–80.—**Fabian, F. W., & Nielsen, G. L.** A comparison of dowicide A and chlorine (diversol) for use in MM-s. J. Milk Techn., 1941, 4: 268–75.—**Franklin, U. D.** The cleaning and bactericidal treatment of MM-s. J. M. Ass. Alabama, 1941–42, 11: 256–8.—**Génin, G.** Entretien et nettoyage des machines à traire. Lait, 1937, 17: 147–51.—**Haasjes, C. H.** A modified milking-tube. North Am. Vet., 1942, 23: 524. Also Vet. Pract., Evanston, 1942, 23: No. 11, 24.—**Hay, J. R.** The bacterial flora and disinfection of teat cups. Am. J. Vet. Res., 1941, 2: 297–304.—**Hoy, W. A., & Rowlands, A.** Wet storage methods for the treatment of MM clusters. Proc. Soc. Appl. Bact., Lond., 1948, 19. Conf., 40–52, illust.—**Johns, C. K.** Care of MM-s. Canad. J. Comp. M., 1944, 8: 338–41. —— & **Lochhead, A. G.** Bacteriological studies of MM-s. J. Hyg.,

Lond., 1929–30, **29:** 35–50.—**Laxa, O., & Proks, J.** Essais effectués avec la machine à traire Alfa. Lait, 1929, **9:** 1017; 1930, **10:** 35.—**Madsen, T., Andresen, P. H., & Krag, P.** Nogle bakteriologiske undersøgelser over MM-er. Commun. Instr. sérothér. Danois, 1933, **23:** Art. 13.—**Mueller, A. J.** A modified apparatus for milking small laboratory animals. J. Laborat. Clin. M., 1938–39, **24:** 426.—**Neave, F. K., Sloan, J. K. B., & Mattick, A. T. R.** An outbreak of clinical mastitis involving 26 cows in a herd believed free from Streptococcus agalactiae (the role of MM-s in mastitis) Vet. Rec., Lond., 1944, **56:** 349–51.—**Příbrský, J.** Automatické odsavače hlenů, mléka a tekutin. Cesk. nemoc., 1949, **17:** 243–5, illust.—**Ruediger, G. F.** The MM a source of bacterial contamination of milk. J. Infect. Dis., 1916, **19:** 652–4.—**Schröder, E.** Ein Beitrag zur MM-frage. Deut. tierärztl. Wschr., 1930, **38:** 467–70.—**Temple, P. L., & Kon, S. K.** A simple apparatus for milking small laboratory animals. Biochem. J., Lond., 1937, **31:** 2197.—**Vos, F.** Is de MM er al? Tschr. sociale geneesk., 1927, **5:** 18–20.—**Watts, P. S.** The MM as a factor in the incidence of mastitis as revealed by the plating method. Vet. Rec., Lond., 1942, **54:** 181–4.

MILK injection.

See also **Fever therapy; Milk therapy.**

Leprêtre, G. *Contribution à l'étude des inj. de lait en thérapeutique. 32p. 8° Par., 1934.

Augstein. Behandlung mit parenteraler Milchzufuhr. Zschr. Bahnärztc, 1921, **16:** 168–71.—**Balík, J., & Kureš, H.** Popudová therapie denaturovaným mlékem. Cesk. ofth., 1949, **5:** 130–6.—**Barbellion, G.** Protéinothérapie laetique. Bull. Soc. méd. Paris, 1935, 196–8.—**Blechmann, G.** Inj. de lait chez le nourrisson. Méd. inf., Par., 1926, **32:** 106–9.—**Chowdhury, T. C. B.** A note on intramuscular inj. of sterilized milk. Antiseptie, Madras, 1931, **28:** 665–78. ——— Non-specific protein therapy (milk inj.) Ind. M. Rec., 1934, **54:** 364–70.—**Colquitt, L. A.** Personal experience with non-specific milk inj. Tristate M. J., 1934, **6:** 1258–63.—**Cordeiro de Farias, R.** Proteinoterapia não especifica; as inj. de leite em terapeutica. Laborat. elin., Rio, 1926, **6:** 231–6.—**Costa, I. P.** Contribución al estudio de la terapéutica parenteral de la proteina; las Iny. de leche. Sem. méd., B. Air., 1924, **31:** 608–11.—**Di Pace, I.** I vantaggi delle iniezioni di latte di donna nella proteinoterapia. Nuova med. ital., 1941, **14:** 228.—**Ferf, B. J.** Melk-injecties. Geneesk. tschr. Ned. Indië, 1923, **63:** 508.—**Gawalowski, K.** [Intraeutaneous inj. of milk] Cesk. derm., 1922, **3:** 147–50.—**Grote.** Ueber parenterale Eiweisskörperbehandlung (im besonderen Behandlung mit Milchinj.) Münch. med. Wschr., 1919, **66:** 307.—**Hodson, L. A.** Therapeutic intra-muscular milk inj. J. Florida M. Ass., 1924–25, **11:** 189–91.—**Holtz, G.** Yatren-Casein-Lösung in der Praxis. Fortsch. Med., 1922, **40:** 245.—**Huber, O.** Milchinj., Proteinkörpertherapie. Klin. Mbl. Augenh., 1924, **72:** 472.—**Korobkov.** [New preparation in protein therapy (laetozan)] Klin. med., Moskva, 1928, **6:** 49–53.—**Ley, A.** Zehn Jahre parenterale unspezifische Reiztherapie; persönliche klinische Erfahrungen mit Milch, Caseosan [etc.] Zschr. Stomat., 1932, **30:** 662–9.—**Liebermann, L.** Zur Technik der Milchinjektion. Med. Klin., Berl., 1929, **25:** 901.—**Morel, L.** Lactoprotéinothérapie. Vie méd., Par., 1928, **9:** 495–7.—**Müller, L.** Ueber parenterale Eiweiss-(Milch-) Inj. Münch. med. Wschr., 1917, **64:** 23.—**Nandi, A. K.** On the possibilities of non-specific protein (milk) therapy. Antiseptie, Madras, 1934, **31:** 654–7.—**Protéinothérapie** (La) par les inj. sous-cutanées de lait. Rev. prat. biol. appl., Par., 1923, **16:** 49–52.—**Reiter, H.** Ueber Milchtherapie. Deut. med. Wschr., 1918, **44:** 175.—**Rendu.** Les inj. intraveineuses de lait. Lyon méd., 1924, **133:** 745.—**Rivara, A.** La sterilizzazione eterea del latte nelle proteinoterapia per iniezioni endovenose. Policlinico, 1922, **29:** Sez. prat., 322.—**Silvestri, T.** Contributo sulle iniezioni di latte in terapia. Riforma med., 1921, **37:** 176.—**Uddgren, G.** [Remarks on milk inj.] Allm. sven. läk. tidn., 1919, **16:** 265–71.—**Ziemann, H.** Zur Reizkörpertherapie mit Yatren-Casein. Med. Klin., Berl., 1926, **22:** 1573.

—— Indication.

Foxonet, J. *De l'emploi des inj. de lait dans le traitement de quelques affections du chien [Ecole Alfort] 65p. 8° Par., 1926.

Herzau, W. F. F. *Erfahrungen mit der parenteralen Milchtherapie an der Breslauer Universitäts-Augenklinik. 32p. 8° Breslau, 1927.

Uddgren, G. S. *Einige Erfahrungen über die therapeutische und diagnostische Bedeutung der Milchinj. besonders in der Ophthalmologie [Karolinska Inst.] 172p. 20cm. Stockh., 1918.

Ajgaonkar, S. S. Role of milk inj. in ophthalmic practice. Antiseptie, Madras, 1933, **30:** 985–8.—**Alimurung, M. D. M.** Pyretotherapy with cow's milk in rheumatoid arthritis. Bull. S. Juan Hosp. Manila, 1941, **15:** 285–99.—**Amabile, G.** Proteinoterapia aspecifica con iniezioni di latte nelle forme flogistiche dell'apparato genitale muliebre. Rass. ostet., 1938, **47:** 199–208.—**Colombino, C., & Pincherle, P.** Proteinoterapia delle forme infettive acute; caseinoterapia e coliterapia endovenosa. Atti Soc. lombard. sc. med., 1921, **10:** 351–71.—**Denton, J. F.** Milk inj. in acute pelvic infections. J. M. Ass. Georgia, 1926, **15:** 396–8.—**Domec, T.** Le lait en thérapeutique. Clin. opht., Par., 1928, **32:** 375–82.—**El-Bakly, M. A.** Milk inj. Bull. Ophth. Soc. Egypt, 1933, **26:** 179–91.—**Gaston, I. E.** Milk inj. in ophthalmic diseases. Tr. Pacific Coast Oto Ophth. Soc., 1925, **13:** 116–24.—**Gellhorn, G.** Milk inj. in gynecology and obstetrics. J. Indiana M. Ass., 1926, **19:** 229–34.—**Hazebroek, F. E. A.** Behandeling van venerische bubonen met melkinj. Geneesk. tschr. Ned. Indië, 1921, **61:** 388–94.—**Itō, Y.** Gyūnyū tyūsya ga kiku gan-sikkan [Eye diseases for which inj. of milk is very effieacious] Therapy, Tōkyō, 1925, **2:** No. 2, 3–7.—**Obal, A.** Vergleich der Heilungsergebnisse der perforierenden Augenverletzungen vor und nach Einführung der Milchinj. Wien. klin. Wschr., 1943, **56:** 576.—**Pacheco Luna, R.** Plátieas oftalmológicas para los estudiantes, las iny. de leche como terapéutiea de choc en oftalmología. Guatemala méd., 1941, **6:** No. 8, 2–4.—**Panisset, L., & Verge, J.** Les inj. de lait dans le traitement des maladies des animaux. C. rend. Soc. biol., 1922, **87:** 68. ——— Les inj. thérapeutiques de lait en médeeine vétérinaire. Paris méd., 1923, **49:** 148–50.—**Velter, E.** Les inj. de lait en ophtalmologie. Année méd. prat., Par., 1939, **18:** 342.—**Weirauk, H. V.** Non-specific protein therapy, milk, in the treatment of certain diseases of the skin and syphilis. Ohio M. J., 1926, **22:** 305–8.—**Zinveliu, E.** [Proteinotherapy by milk inj. in gynecological and obstetrical infections] Cluj. med., 1926, **7:** 405–7.

—— Mode of action.

Anerdi, C. Reattività ipotermica ed eteroproteine, latte. Rieer. med. sper., 1946, **16:** 99–112.—**Berencsi, G.** Sorozatos tej befeeskendezések hatása a vérsavó tryptophan tartalmára. Magy. orv. areh., 1941, **42:** 442–4.—**Biró, L.** A vérképző rendszer vizsgálata tejinj. után. Orvosok lap., 1947, **3:** 266–8.—**Blum, J.** Ueber den Einfluss subkutaner Inj. von Milch und Cibalbumin auf das Blutbild beim Rind. Schweiz. Arch. Tierh., 1925, **67:** 364.—**Chatin, P., & Rendu, R.** Recherches sur l'influence dite galactogène des inj. souscutaneés de lait (méthode de Nolf) Lyon méd., 1912, **118:** 161–74.—**Corinaldesi, S.** Sull'azione terapeutiea del latte e delle sostanze proteinieche introdotte per via paraenterica. Riforma med., 1920, **36:** 296–300.—**Debernardi, G.** Azione del trattamento con eteroproteine (latte) sul sistema istiocitario. Rieer. pat. sper., 1946, **34:** 3–16.—**Dziembowski, S.** Ueber den therapeutischen Wert parenteraler Milchzufuhr. Med. Klin., Berl., 1916, **12:** 1174.—**Goldenberg, L., & Panisset, L.** L'innocuité des inj. thérapeutiques de lait; arguments expérimentaux. Paris méd., 1924, **53:** 450.—**Imbert, L.** L'action thérapeutique des inj. intramusculaires de lait de vache stérilisé. Marseille méd., 1918, **55:** 629.—**La Grutta, L.** Modificazioni di alcune proprietà fisico-chimiche del siero per l'introduzione parenterale di easeina, ovoalbumina, siero ed emazie eterogenee. Riv. pat. sper., Nap., 1926, **1:** 332–43.—**Landau, A., Glass, J.** [et al.] [Effeet of sub- and intra-cutaneous inj. of milk on the behaviour of leueocytes in man] In: Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 423–37. ——— Etudes sur la leucocytose et la leucopénie; sur l'influence des inj. intradermiques et sous-cutanées du lait sur la leucocytose chez l'homme. Ibid., 1169–83.—**Leucocytosis** after milk inj. [tab.] Annual Rep. Ophth. Sect. Kasr el-Aini Hosp., 1929, **2:** 74–87.—**Müller, E. F.** Die myeloische Wirkung der Milchinj. Med. Klin., Berl., 1918, **14:** 440.—**Nolf, P.** De l'influence galactogène des inj. sous-cutanées de lait. Scalpel, Liége, 1909–10, **62:** 943–5.—**Okada, Y.** Plasma-saihō ni kan-suru kenkyū, toku-ni gyūnyū-tyūsya no oyobosu eikyō ni tuite [Studies on plasma cells, especially the effect of inj. of milk] Zyūzenkai zassi, 1936, **41:** 1145–56.—**Pron, L.** Protéinothérapie lactique et réaetion thermique. Bull. Soc. méd. Paris, 1935, 68.—**Rodin, F. H., & McBride, R. W.** Milk inj.; a study of body temperature and the leukocytes. Am. J. M. Sc., 1927, **174:** 511–9.—**Schlesinger, A.** Ueber Beeinflussung der Blutzellgranulationen durch Milchinj. Fol. haemat., Lpz., 1939, **62:** 137–9.—**Sigl, A., & Heigl, H.** Veränderungen im Blutbilde bei Gesunden und Kranken nach parenteraler Zufuhr von reinem Milcheiweiss (Albusol) Ibid., 1923, **29:** 1. T., 143–54.

—— Untoward effect.

Miyata, K. Syosyu no nyūzyū oyobi sono tanpaku syo-seibun ni yoru kabin-sei gensyō no kenkyū [Studies on anaphylactic reactions caused by various milks and their protein fractions] p.684–750. 25½cm. Tōkyō, 1941.

Sei i kai zassi, 1941, **60:**

Szampan, A. C. *Tuberkulöser Primäraffekt nach intramuskulärer Milchinj. beim Neugeborenen. 12p. 8° Zür., 1933.

Also Jahrb. Kinderh., 1933, 3.F., **90:**

Bernstein, C., jr, & Ginsberg, J. E. Sensitization to milk as a result of its use in nonspecific foreign protein therapy. J. Am. M. Ass., 1937, **108:** 193.—**Bloch, S.** Abort bei Mäusen nach Inj. von Colostrum und Milch. Gynaecologia, Basel, 1946, **121:** 204–12.—**El Bakly, M. A.** Anaphylaxis in milk inj. Bull. Ophth. Soc. Egypt, 1927, **20:** 193–8.—**Kitamura, S.** Gyūnyū

tyūsya ni yoru genkyoku-sei irakusa-sin-yō kōhan no iti rei [Ein Fall von zirkumskripten allergischen Ausschlägen durch Milchinj.] Jap. J. Derm. Urol., 1938, **43**: 363.—**Zeckel, A.** Névrite de la partie dorsale du plexus brachial à la suite d'une inj. de lait. Rev. neur., Par., 1939, **71**: 459–63.

MILK inspection.

Abbrev.: FS for fiscalização sanitaria; IS for inspection sanitaire; MI for milk inspection.

See also other main headings on **Milk: M. adulteration; M. analysis; M. bacteriology; M. chemistry; M. control; M. examination; M. hygiene; Milk plant, Inspection.**

Adam, P. Sur l'insp. du lait. Rev. sc., Par., 1907, 5. ser., **7**: 495–9.—**Araoz, M. C.** Insp. de leche y sus derivados. In his Nuevo digesto legisl. boliv., La Paz, 1943, **5**: 106–9.—**Ashworth, R. R.** La FS de la leche y su relación con la salud pública. Bol. of. san. panamer., 1939, **18**: 1079.—**Baladad, A. E.** The importance of milk and meat insp. Philippine Hosp., 1940–41, **1**: 96.—**Bjelland, A. O.** Milk and meat insp. S. Paul M. J., 1909, **11**: 10–5.—**Borrell, S.** Algunas determinaciones para la insp. hig.-bromatológica de la leche. Resum. Congr. hisp. portug. farm., 1948, 1. Congr., 27.—**Bryan, C. S.** Meat and MI. Vet. Med., Chic., 1950, **45**: 21.—**Centrich, F.** Aspecto social de la insp. san. de la leche de abasto. Rev. hig. san. pecuar., León, 1922, **12**: 62–7.—**Fiscalização** san. do leite. Arq. hig., Rio, 1944, **14**: 273–81.—**Green, W. S.** Concerning municipal MI, with a note on tuberculous milk. J. M. Soc. N. Jersey, 1905–06, **1**: 315–8.—**Hood, A. J. G.** L'importance de l'inspection dans la production du bon lait. Mém. Congr. Ass. méd. fr. Amérique du Nord (1922) 1923, 7. Congr., 705–8.—**Kelly, E.** Supervision and insp. of milk. Yearb. U. S. Dep. Agr., 1939, 360–3.—**Liénaux, E.** Pourquoi il y a lieu d'instituer l'IS du lait et sur quoi elle doit s'exercer. Ann. méd. vét., Brux., 1910, **59**: 425–46.—**Milk** inspection. Am. J. Pub. Health, 1922, **12**: 577–91.—**Sharwell, S. G.** Lessons to be learned from an insp. that follows milk from the cow to the consumer. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 194–7.—**Thieulin, G.** IS du lait et de ses dérivés; le contrôle hygiénique des pâtes maigres. Bull. Acad. vét. France, 1943, **16**: 54–8.—**Tobey, J. A.** Sanitation and insp. of milk supplies. In his Public Health Law, 3. ed., N. Y., 1947, 187.—**Webster, E. H.** Sanitary insp. and its bearing on clean milk. Bull. U. S. Hyg. Laborat., Wash., 1908, No. 41, 511–23, 24 pl. Also Ann. M. Pract., 1909, **22**: 249–51.—**Wiley, H. W.** Dairy and MI from the standpoint of the milk and cream producer. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 72–9.—**Yamada, T.** Gyūnyū no kanri-zu [Control chart of milk] Sanitation, Tokyo, 1948, **1**: 133–9.

—— Methods.

See also **Milk control; Milk laboratory.**

Giltner, W. MI without an expensive laboratory. Mobile M. & S. J., 1908, **12**: 68–74.—**Heald, J. H.** MI from a practical viewpoint. Tr. N. Carolina Pub. Health Ass., 1922, **12**: 58–63.—**Jordan, J. O.** Utilization of bacteriologic and microscopic methods in the insp. of milk. Am. J. Pub. Hyg., 1909–10, n. ser., **6**: 601–4.—**Monjarás, J. E.** Datos para la práctica de la IS de la leche y sus derivados. Mem. Congr. méd. nac. mex., 1910, 4. Congr., 694–8.—**Thieulin, G., & Vuillaume, R.** Eléments pratiques d'analyse et d'insp. du lait. Bull. Acad. vét. France, 1943, **16**: 290.—**Weisman, L. G.** MI under special conditions. Vet. Bull., Wash., 1926, **18**: Suppl., 98–100.

—— Organization.

See also **Milk plant,** Inspection.

Silva, R. T. da. *Aspetos da FS do leite em Curitiba [Paraná] 89p. 23½cm. Curitiba, 1941.

Anderes, R. L. The MI service at Kansas City, Mo. North Am. Vet., 1936, **27**: 18–20.—**Beaufrère, F., Gély, R., & Thieulin, G.** L'IS du lait à l'étable dans le département de la Seine. Bull. Acad. vét. France, 1942, **15**: 78–83.—**Biehn, J. F.** The history of MI in Chicago. Illinois M. J., 1907, **12**: 623–31.—**Brittlebank, J. W.** The uniform system of MI. J. R. San. Inst., 1925–26, **46**: 372–81. Also Vet. Rec., Lond., 1925, **5**: 851; 883.—**Christadoro, C.** Federal insp. of milk. Med. Rec., N. Y., 1906, **70**: 788.—**Gaujoux, E.** Comment peut-on, dans une ville, réaliser d'une façon pratique l'insp. régulière des laits de consommation? Rev. gén. clin. thér., 1908, **22**: 710–2.—**Groulx, A.** L'insp. du lait à Montréal. Union méd. Canada, 1948, **77**: 825–7.—**Guillaume, A.** L'insp. du lait dans une ville hollandaise. Normandie méd., 1921, **32**: 195–8.—**Hecke, F.** Die Danziger Milchüberwachung und ihre Bedeutung für die Bang- und Tuberkulosebekämpfung. Berl. tierärztl. Wschr., 1941, 61–5.—**Hilts, W. H.** MI in a small town. J. Am. Vet. M. Ass., 1929, **75**: 68–73. Also Vet. Med., Chic., 1931, **26**: 54–7.—**Hollingsworth, F. B.** Municipal MI. Ibid., 1936, **31**: 474–6.—**Kircher, G.** Polizeiliche Milchrevision und ihre hygienische Bedeutung. Zbl. allg. Gesundhpfl., 1906, **25**: 140–55.—**Kunicky, R. V.** O značenii sanitarnago nadzora za molokom i ob osnovnom principe organizacii takogo nadzora. Arkh. vet. nauk, 1913, **43**: pt 2, 168–82.—**Maldonado, A. G.** Como trabaja la sección de leche de la división de saneamiento e IS. Rev. san., Caracas, 1940, **5**: 402–11, 3 pl., plan.—**Purrington, W. F.** MI in small communities. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 188–91.—**Rabagliati, D. S.** MI in England compared with other countries. Vet. Rec., Lond., 1932, **12**: 1105–9.—**Raynor, R.** What rigid insp. of milk is doing for New York City. N. York State J. M., 1908, **8**: 252–9.—**Rodriguez, A. de P.** A orientação do serviço de F de leite para melhorar as condições hygienicas do producto. Arch. hyg., Rio, 1928, **2**: 151–80, map, 4pl.—**Stanton, B.** Medical volunteer insp. and certification of milk. Ohio San. Bull., 1908, **12**: 96–100.—**Wardwell, J. K.** Practical MI by a District Medical Society. Am. Gyn. Pediat., Bost., 1908, **21**: 23–8.—**Zupka, S.** [MI in military units] Voj. zdrav. listy, 1936, **12**: 204–12.

—— veterinary.

Campbell, D. M. Veterinary service at an Army post. Mil. Surgeon, 1944, **95**: 110; passim.—**Grassi, L.** Il veterinario comunale ed il servizio igienico del latte alimentare. In: Annuario vet. ital., Roma, 1934–35, 589–602.—**Lorenzen, P.** Official MI in the Veterinary Investigation Office, Kassel. Vet. Bull., Lond., 1942, **12**: 126.—**Ostertag, R. v.** Veterinary MI with special reference to the treatment of milk infected with tuberculosis, epidemic abortion, streptococcus-mastitis, and with bacteria of the paratyphoid-enteritis group. Vet. Rec., Lond., 1931, **11**: 881.—**Oyen, C. F. v.** Diergeneeskundig toezicht bij de winning van model-melk. Handel. Ned. natuur geneesk. congr., 1929, 22. Congr., 248.—**Regan, J. J.** Veterinary supervision of milk supplies in the New York milk-shed. J. Am. Vet. M. Ass., 1938, **92**: 769–71.—**Way, C.** Sanitation and veterinary insp. in relation to pure milk. Cornell Vet., 1915–16, **5**: 4–17, 2 ch.

MILK inspector.

See **Milk sanitarian.**

MILK kitchen.

See also **Milk depot.**

Angela, M. Ein Blick in die Milchküche des Preyer-Kinderspitales. Krankenschwester, Wien, 1950, **3**: 27.—**Behla, R.** Die Milchküchen in Deutschland. Med. statist. Nachr., Berl., 1911–12, **3**: 635.—**Gil, S. A.** K voprosu ob učete i ocenke raboty moločnoj kukhni. Profil. med., Kharkov, 1927, **6**: No. 2, 74–6.—**Kozlov, I. N., Bobrakova, V. M., & Zakharova, L. N.** [Sanitary-bacteriological examination of the products of the dairy kitchens of Novosibirsk] Pediatria, Moskva, 1941, No. 3, 99–104.—**Malskaia, A. V.** [The sanitary-hygienic state of dairy kitchens in Soviet Russia] Radianska med., 1941, **6**: 63–71.—**Padilla Roque, C. M.** Cocinas de leche. Arch. Secr. salud púb. (Argentina) 1946–47, **1**: No. 5, 37–54.

MILK laboratory.

Abbrev.: ML for milk laboratory.

See also **Milk control,** laboratory.

Black, L. A. ML-s in war areas. Am. J. Pub. Health, 1943, **33**: 824–32. ——— Surveys of ML-s in war areas in the United States; practices observed in making agar plate counts. Pub. Health Rep., Wash., 1943, **58**: 1605–23. ——— Practices observed in making direct microscopic examinations and methylene blue reduction tests. Ibid., 1641–56. ——— Observations on sampling and health department practice relative to bacteriological milk analysis. Ibid., 1681–9.—**Carel, A.** Le lab. municipal et l'allaitement maternel ou les conséquences imprévues d'une analyse de lait. Pédiat. prat., Lille, 1906, **4**: 92.—**Carson, C. C.** Reference books of value in labs examining milk and dairy products. Connecticut Health Bull., 1940, **54**: 139.—**Foster, E.** Utilidad de los lab. de leche. Sem. méd., B. Air., 1926, **33**: pt 2, 405–10.—**Francis, S. C.** The ML; Children's Hospital of Philadelphia. Am. J. Nurs., 1923–24, **24**: 949–55.—**Hillesund, C. M.** Litt om den laboratoriemessige kontrollen slik som den utføres ved Oslo Helseråd. Norsk vet. tskr., 1943, **55**: 104–13.—**Knapp, H. J., & Buchanan, E. B.** The traveling ML. Bull. Acad. M. Cleveland, 1937, **21**: No. 8, 9.—**Mickle, F. L.** New law covers registration of labs examining milk or milk products. Connecticut M. J., 1946, **10**: 78.—**Ostertag.** Die amtliche Milchuntersuchungsstelle der kgl. Haupt- und Residenzstadt München. Zschr. Fleisch Milchhyg., 1907, **17**: 213.—**Pfleiderer.** Ein Besuch im Milchhygienischen Laboratorium des Bezirkstierarztes Dr. Gabathuler in Davos. Ibid., 1924–25, **35**: 300; 321.—**Rotch, T. M.** The development of ML-s in connection with the dispensing of food stuffs. Interstate M. J., 1909, **16**: 387–94. ——— The development of milk laboratories in regard to what food stuffs they can provide and their relation to the principles of infant feeding. Tr. N. Hampshire M. Soc., 1909, 195–212.—**Safford, C. E.** Progress report on grade A milk control labs (bacteriological) J. Milk Techn., 1940, **3**: 215–20.—**Soxhlet.** Die amtliche Milchuntersuchungsstelle der Stadt München. Molkereiztg, 1908, **18**: 397–400.—**Vincent, R.** The ML and its relation to medicine. Brit. M. J., 1906, **2**: 937–9.

MILK legislation.

Abbrev.: MO for milk ordinance; MR for milk regulation; Ord. for ordinance; PO for proyecto de ordenanza; Reg. for regulation; Réglem. for réglementation; RV for réglementation de la vente.

See also **Milk commission.**

Babonneix, L. Une politique du lait. Gaz. hôp., 1934, **107**: 997.—**Traugé.** La protection lég. contre la contamination du lait par les typhiques et les porteurs de germes. Lait, 1929, **9**: 996–1006.

—— Algeria.

Galland, C. de. La RV du lait en Algérie; arrête du Maire d'Alger, en date du 30 Avril 1913. Ann. falsif., Par., 1914, **7**: Bull., 33–5.

—— Argentina.

Etchegaray, M., & Foster, E. Leche para niños y enfermos; PO municipal. Rev. Soc. argent. nipiol., 1925, **1**: 86; 93. Also Prensa méd. argent., 1925–26, **12**: 610.—**Sarmiento Laspiur, R.** PO reglam. del comercio de leche de consumo de Buenos Ayres. Proc. Pan Am. Sc. Congr. (1915–16) 1917, 2. Congr., **10**: 130–67.

—— Austria.

Lode, A. Zur Regelung des Verkehres mit Milch. Wien. med. Wschr., 1931, **81**: 774–8.—**Messner, H.** Ortspolizeiliche Vorschrift für den Milchverkehr in Karlsbad. Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902, 531–9.

—— Belgium.

Henry, R. Législ. belge sur le lait. Ann. méd. chir. inf., Par., 1907, **11**: 651–7. Also Clinique, Brux., 1907, **21**: 764–71.—**Hoton, L.** Législ. étrangère; l'hygiène du lait en Belgique; contrôle facultatif du lait, du beurre et du fromage. Lait, 1940, **20**: 249–53.—**Loi** 30 mars 1936 relative à la prohibition des succédanés de certains produits laitiers. Bull. Admin. hyg., Brux., 1936, 29.—**Wilmart, J.** Etat actuel de la RV du lait. Clinique, Brux., 1908, **22**: 881–91. Also Mouvement hyg., Brux., 1908, **24**: 251–64.

—— Brazil.

Decreto-lei No. 12,033, de 26 de junho de 1941, altera a constituição da Commissão reguladora do comércio de leite. Arq. hig., S. Paulo, 1941, **6**: No. 13, 196.—**Moncorvo.** Legisl. sul controllo della produzione e della vendita del latte a Rio de Janeiro [Brasile] Pediatria, Nap., 1908, 2. ser., **6**: 217–9.—**Venda** de leite crú, em desobediência ao art. 264, do dec. est. 10.395. de 26–7–39; aplicação do art. 302. XI, cominatória, do Cod. de proc. civil. Arq. hig., S. Paulo, 1941, **6**: No. 12, 168.

—— Canada.

Canada. Department of Agriculture. Regulations governing the inspection of condensed, evaporated and dried milk. 8p. 12° Ottawa, 1929.

—— The dairy industry act and regulations. 45p. 12° Ottawa, 1936.
Forms No. 37, Acts Orders and Regulations.

Ball, O. V. Model milk by-laws. Canad. Pub. Health J., 1934, **25**: 25–7.—**Berry, A. E.** Milk control reg-s in Ontario, 1936. Ibid., 1936, **27**: 504–10. ——— Milk-control legisl. in Canada. Ibid., 1938, **29**: 301–4.—**Pelletier, E.** Législ. relative au lait, au Canada. Ann. méd. chir. inf., Par., 1907, **11**: 657–68.—**Règlement** du 3 juillet 1936, pour l'application de la loi de 1934 sur le contrôle du lait [Canada] Bull. Off. internat. hyg. pub., Par., 1939, **31**: 578–82.

—— Colombia.

Castro H., J. *Sobre la necesidad de una revisión a las disposiciones vigentes para leches y derivados. p.101–83. 24cm. Bogotá, 1944.
Also Rev. med. vet., Bogotá, 1944, **13**:

Acuerdo número 17 de 1939 (Noviembre 21) sobre higiene de la leche. Rev. colomb. pediat., 1943–44, **3**: 265–8.—**Departamento** Nacional de Higiene. Resolución número 154 de 1933, por la cual se dictan algunas disposiciones sobre la higiene de la leche y sus productos derivados. Ibid., 251–65.—**Resolución** número 154 de 1933 por la cual se dictan algunas disposiciones sobre higiene de la leche y sus productos derivados. Rev. hig., Bogotá, 1933, **14**: 315–38.

—— Costa Rica.

Nuevo reglamento de leches. Rev. méd., S. José, 1937–38, **5**: 168–78.

—— Cuba.

Ferrer Cartaya, M. La leche de vaca y la legisl. sanitaria. Bol. Soc. cubana pediat., 1943, **15**: 389–428.

—— Eire.

O'Callaghan, W. P. The milk bill, 1934. Irish J. M. Sc., 1935, 6. ser., 217–24.

—— France.

Arragon. *Le lait; son usage dans l'alimentation des enfants et des malades et la loi sur la répression des fraudes (août 1905) 137p. 8° Toulouse, 1909.

Demigneux, M. *Organisation de la vente d'un lait pur; étude pour l'application de la loi du 2 juillet 1935. 89p. 8° Par., 1937.

Louchet, M. *Etude comparative et critique de la législ. et du contrôle de la production et de la vente du lait en France et dans quelques pays étrangers. 191p. 24cm. Lille, 1939.

Bémer. La défense des consommateurs de lait. In: Le lait (France. Journée ét. social.) Troyes, 1934, 25–30.—**Décret** du 24 avril 1940, interdisant l'utilisation de la caillette en dehors de l'industrie laitière. Ann. falsif., Par., 1940, **33**: 124.—**Demouchy, L.** Nécessité de protéger les stations climatiques par une réglem. hygiénique du lait. Rev. méd. Normandie, 1912, 145; 168.—**France.** Circulaire ministérielle No. 142, Agriculture, du 22 avril 1938, aux agents de la répression des fraudes, concernant l'application de la loi du 29 juin 1934 relative à la protection de produits laitiers, complément à la Circulaire No. 119. Bull. Off. internat. hyg. pub., Par., 1938, **30**: 2736.—**Homen, M.** Mesures destinées à garantir la composition et la qualité du lait et des produits laitiers par la voie de dispositions légales et de règlements de police. Lait, 1938, **18**: 1086–93.—**Martin, R.** A propos du projet de loi sur l'assainissement du marché du lait. Ann. hyg., Par., 1935, n. ser., **13**: 501–4.—**Névot, A.** La loi du 2 juillet 1935 sur l'assainissement des marchés du lait; commentaires. Lait, 1936, **16**: 383–9.—**Organisation** du marché du lait et des produits résineux; loi du 2 juillet 1935. Ann. falsif., Par., 1935, **28**: 430–40.—**Parisot, J., & Melnotte, P.** Le problème du lait potable en Meurthe-et-Moselle; la législ. récente peut-elle avantageusement le résoudre? Rev. méd. sociale, Par., 1936, **4**: 189–99.—**Petit.** Une réglem. dans l'approvisionnement du lait à Rouen. Rev. méd. Normandie, 1907, **8**: 101; 177.—**Prophylaxie** de la tuberculose des bovidés et la réglem. du commerce du lait. Echo vét., Liége, 1913–14, **42**: 67–73.—**Ribadeau-Dumas.** Rapport sur les conclusions des quatre communications de M. Thieulin, relatives à l'organisation de l'hygiène du lait en France. Bull. Acad. méd., Par., 1942, **126**: 345.—**Tapernoux, A.** Réflexions sur la légalisation française concernant les laits concentrés et les laits en poudre. Lait, 1943, **23**: 1–15.

—— Germany [Abbrev.: RMG for Reichsmilchgesetz]

Lippe, R. v. Deutsche Milchmarktordnung; ein Beitrag zur Lehre von den wirtschaftsrechtlichen Verbänden. 62p. 21cm. Bleicherode a. H., 1937.

Schlossmann, A. Milchhandel und Milchregulative. p.836–978. 26cm. Wiesb., 1909.
In: Handb. Milchk. (Sommerfeld, P.)

Baur, R. Die für die milchwirtschaftlichen Unternehmen wichtigsten Vorschriften des Viehseuchengesetzes sowie über die Erhitzung von Milch und Milchrückständen und den Betrieb von Milcherhitzungseinrichtungen. Zbl. ges. Hyg., 1943, **51**: 91 (Abstr.)—**Bengen, M. F.** Die neue Milchgesetzgebung. Kinderärztl. Prax., 1936, **7**: 173–9.—**Clauss, W.** Gedanken zur Gestaltung der städtischen Frischmilchversorgung. Zbl. ges. Hyg., 1943, **51**: 2 (Abstr.)—**Deutsches** Reich. Milchgesetz vom 31. Juli 1930. Reichsgesundhbl., 1930, **5**: 694–9,—**Heine.** Vorschläge für eine Neuregelung der Milchgesetzgebung. Zschr. Fleisch Milchhyg., 1921–22, **32**: 101–3. ——— Der neue Entwurf des RMG. Deut. tierärztl. Wschr., 1930, **38**: 388–94.—**Herberg.** Betrachtungen über das geplante RMG. Ibid., 1920, **28**: 109; 203.—**Kieferle, F.** Ueber die gesetzliche Regelung des Verkehrs mit Milch. Zbl. ges. Hyg., 1929–30, **21**: 465–89.—**Lehmann, M.** Das kommende RMG? Arch. soziale Hyg., 1925–26, n. F., **1**: 345.—**Matschke.** Milchpolizeiverordnungen und andere. Deut. tierärztl. Wschr., 1927, **35**: 83–90.—**Milchverordnung.** Reichsgesundhbl., 1936, **11**: 199.—**Neue** (Die) Münchener Milch-Polizeiverordnung. Molkereiztg, 1906, **16**: 496.—**Plenske.** Erfahrungen mit dem RMG. Zschr. Medbeamte, 1933, **46**: 559–66.—**Runderlass** des Reichsministers des Innern und für Ernährung und Landwirtschaft, betr. Zulassung von Milcherhitzungseinrichtungen. Reichsgesundhbl., 1939, **14**: 557.—**Verordnung** des Reichsministers für Ernährung und Landwirtschaft über den Zusammenschluss der deutschen Milch- und Fettwirtschaft. Ibid., 1938, **13**: 680–2.

—— Great Britain.

Administration of the milk (special designations) order, 1936, with special reference to accredited milk. Vet. Rec., Lond., 1937, **17**: 329.—**Begg, H.** The Milk (special designations) Order (Scotland) 1922, with special reference to the veterinary services required under its provisions. Ibid., 1923, **3**: 405–12.—**Belam, F. A.** The Milk and Dairies Order, 1926. Pub. Health, Lond., 1926–27, **40**: 395–7.—**Bodger, H. W. S.** Milk (special designations) Order, 1922; some comparisons and criticisms. Vet. J., Lond., 1927, **83**: 259–62.—**Bond, W. A.** The milk clauses of the London County Council (General Powers) Act, 1908. Pub. Health, Lond., 1908–09, **22**: 175–7.—**Cross, F. J.** The Government's milk policy. Brit. M. J., 1943, **2**: 340.—**Dunlop, J. L.** The legislative control of milk supplies and its problems. J. R. San. Inst., 1934–35, **55**: 611–8.—**Gibson, J. M.** Recent reg-s relating to milk. Ibid., 1950, **70**: 130–7.—**Government's** milk policy. Brit. M. J., 1940, **1**: 1040; 1943, **2**: 173.—**Grant, J. C.** Scotland and the milk scheme. Vet. Rec., Lond., 1943, **55**: 306.—**House** of Lords on Government's milk policy. Brit. M. J., 1943, **2**: 250.—**Jones, G. R.** Co-ordination betwcen local authorities and the Ministry of Agriculture in the administration of the Agriculture Act, 1937, (Part IV) J. R. San. Inst., 1939–40, **60**: 61–5.—**Jones, J. H.** A veterinary inspector's aspect of the milk legisl. now in force. Vet. J., Lond., 1927, **83**: 253–7.—**Klutmann, H. A.** Die englischen Milchgesetze und die Milchhygiene. Zschr. Fleisch Milchhyg., 1928–29, **39**: 143.—**Lethem, W. A.** The milk (special designation) reg-s 1949. J. R. San. Inst., 1950, **70**: 19–28.—**McAllan, J.** The resumé of the present MR-s (Scotland) Vet. Rec., Lond., 1926, **6**: 349–57.—**McKenna, P. J.** The Government's milk policy. Brit. M. J., 1943, **2**: 281.—**Medlock, F. W.** Milk legislation affecting the veterinary profession. Vet. Rec., Lond., 1937, **17**: 701–5.—**Milk**; an important parliamentary debate. Ibid., 1945, **57**: 199.—**Milk**; unnecessary exposure of milk. Brit. Food J., 1942, **44**: 10.—**Milk** Act, 1934; particulars of arrangements for the purpose of Section 9. Vet. J., Lond., 1935, **91**: 28–35.—**Milk** policy. Lancet, Lond., 1940, **1**: 1103.—**Milk** policy of the government. Vet. Rec., Lond., 1937, **17**: 1209.—**Milk** (special designations) reg-s, 1941. Brit. M. J., 1941, **2**: 916.—**Moore, S. G.** A criticism of the milk grading orders. J. R. San. Inst., 1923–24, **44**: 189–91.—**Pollard, J.** Milk and dairies legisl. Vet. Rec., Lond., 1937, **17**: 705–8.—**Proposed** legislation on milk-supplies: I. Mr. John Burns's bill; II. Lord Pentland's bill. Lancet, Lond., 1909, **1**: 1708.—**Purbrick, R.** Clean milk reg-s. Ibid., 1942, **2**: 739.—**Rabagliati, D. S.** Present day administration of the milk and dairies legislation as influenced by the work and teachings of Sir John M'Fadyean. J. Comp. Path., Lond., 1937, **50**: 351–5.—**Ritchie, J. N.** A general review of the legislation dealing with the public health aspect of the milk supply. J. R. San. Inst., 1935–36, **56**: 226–42. Also Vet. Rec., Lond., 1935, **15**: 1206–10.—**Roberts, A. E.** Observations on the Government's milk policy. J. R. San. Inst., 1944, **64**: 1–4.—**Savage, W.** A national milk policy. Med. Off., Lond., 1943, **70**: 189–92.—**Smith, E. B.** Notes on Section 2, Milk & Dairies (Amendment) Act, 1922. Ibid., 1923, **30**: 129.—**Synthetic** (The) cream, restriction, order, 1940; dated December 4th, 1940. Analyst, Lond., 1941, **66**: 62.—**Thomas, M. E.** Milk administration; past, future? J. R. San. Inst., 1944, **64**: 5–8.—**Unsafe** milk. Lancet, Lond., 1943, **1**: 661.—**Walworth, G.** Milk Industry Bill. In his Feeding the Nation, Lond., 1940, 377–82.—**Watered** milk bill. Lancet, Lond., 1939, **2**: 141.—**Watkins, A. G.** The Government's milk policy. Brit. M. J., 1943, **2**: 247.

—— Holland.

W., H. P. Gemeentelijke melkverordeningen. Tschr. sociale hyg., 1905, **7**: 12–26.

—— Hungary.

Földmívelésügyi (A) miniszter 84.848/1948. F. M. számú rendelete a vegyileg tartósított tej forgalombahozatalának szabályozása tárgyában. Népegészségügy, 1948, **29**: 442.—**106.100/1942.** K. M. számú rendelete; a tej forgalmának szabályozása tárgyában. Ibid., 1942, **23**: 727–30.—**M.** Kir. Minisztérium 7.050/1941. M. E. számú rendelete a tejnek és tejszinnek az 1942. évben való szállítása tárgyában. Ibid., 1941, **22**: 1242.

—— Mexico.

Rossi, P. Hygiène et législ. sanitaire du lait au Méxique. Rev. hyg., Par., 1933, **55**: 200–10.

—— Poland.

W sprawie uregulowania handlu okrężnego mlekiem i jego przetworami. Pediat. polska, 1949, **23**: 457.

—— Portugal.

Nova legislação sobre leite. Med. contemp., Lisb., 1938, **56**: 226–32.

—— Puerto Rico.

Arbona, A. Practical observations concerning our sanitary reg-s for the production and sale of milk. Puerto Rico Health Bull., 1938, **2**: 21–3.

—— Russia.

Hubert, V. O. Zakonopoloženija o nadzore za proizvodstvom i prodaževeju moloka v različnykh gosudarstvakh; v Rossii [etc.] J. Russ. obshch. okhran. narod. zdrav., 1907, **17**: No. 6, 33.

—— South Africa.

Gunn, G. H. Milk supplies, with special reference to legislation. S. Afr. M. J., 1932, **6**: 251–6.

—— Spain.

González-Alvarez, M. Reglam. de la lactancia mercenaria. Pediat. españ., 1925, **14**: 333–41.—**Vidal Munné, J.** Sugestiones para la reglam. de la higiene de la leche. Rev. hig. san. pecuar., Madr., 1929, **19**: 948–59.

—— Sweden.

Lundberg, C. Några synpunkter vid ordnandet af handeln med mjölk. Hyg. tskr., Stockh. (1911) 1912, **4**: 1–21.—**Nyare** spörsmål beträffande mjölk-hygien och mjölk-kontrol. Sven. vet. tskr., 1910, **15**: 19; 43.

—— Switzerland.

Schweizerisches Lebensmittelbuch; Anträge für die Revision des Abschnittes: Milch. Mitt. Lebensmitteluntersuch., Bern, 1911, **2**: 425; 467.

—— Turkey.

Turquie. Instructions du 29 juillet 1935, du Ministre de l'Hygiène et de l'assistance sociale, établies en application de l'article 171 de la loi sur l'hygiène publique. Bull. Off. internat. hyg. pub., Par., 1936, **28**: 1876–83.

—— United States.

American Municipal Association. Milk control; governmental reg. of the dairy industry in the United States. 49p. 27cm. Chic., 1937.
Forms Pub. No. 57, Pub. Admin. Serv.

Dirty milk declared to violate the Pure Food Law. 3p. 8°. Wash., 1913.

Pennsylvania State. Department of Agriculture. Milk testing requirements. 15p. 8°. Harrisb., 1930.
Forms No. 487, Bull. Pennsylvania Dep. Agr.

Rebaudet, J. *La réglementation du lait à New York [Lyon] 97p. 8°. Chambéry, 1911.

United States. Congress. Senate. A bill to further regulate the sale of milk in the District of Columbia, and for other purposes. 6p. 8°. Wash., 1896.
54. Congr., 2 Sess., S. 3388. Dec. 15, 1896.

United States. Public Health Service. Ordenanza modelo para leche. 11p. 23cm. Wash., 1928.
Forms Pub. No. 5, Panamer. San. Bur.

—— Public health service MO and code; 1935. 114p. 8°. Wash., 1935.

Act concerning the sampling and testing of milk and cream; Chapter 41, House Bill No. 843. Connecticut Health Bull., 1933, **47**: 157.—**Brew, J. D.** What kind of a MO should New York State have? Cornell Vet., 1926, **16**: 203–12. —— Judging the efficiency of the enforcement of sanitary MR-s. Am. J. Pub. Health, 1932, **22**: 514–8.—**Brooks, P. B.** The relation of the veterinarian to the new milk code. Cornell Vet., 1929, **19**: 161–4.—**Bushong, R. D.** Status of standard MO program in Tennessee. Papers Health Work. Conf. Tennessee, 1931, **2**: 35–47.—**Certified** milk in the U. S. Public Health Service MO. Certif. Milk, 1936, **11**: No. 122, 9; 14; 17.—**Clark, F. A., & Johnson, W. S.** Results of the operation of the standard MO in Missouri. Pub. Health Rep., Wash., 1931, **46**: 1413–24.—**Corbin, C. I.** Interstate uniformity of milk laws and reg-s; who wants uniformity and why? Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 222–6.—**Court** decisions on public health; MR-s, validity [West Virginia] Pub. Health Rep., Wash., 1944, **59**: 315.—**Eustis, R. S.** Résumé of the Boston situation. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 235–44.—**Filled** Milk Act, U. S. C. **21**: 61 to 63. In: Treat. Law of Food (Toulmin, H. A., jr) Cincin., 1942, 992–6.—**Frank, L. C.** Standard for MO; a plea for uniformity in procedure and active support of the medical profession. N. Orleans M. & S. J., 1928–29, **81**: 871–6. —— Interstate uniformity of milk laws and reg-s; what would be done about it? Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 232–47. —— **Welch, S. W., & Abele, C. A.** Standard MO results in 14 Alabama towns. Pub. Health Rep., Wash., 1927, **42**: 657–67. Also South. M. J., 1927, **20**: 233–40.—**Fuchs, A. W., & Frank, L. C.** Cost of local enforcement of the U. S.

Public Health Service MO. Pub. Health Rep., Wash., 1935, **50:** No. 50, 1762–6. Also Vet. Bull., Wash., 1936, 30, **2:** 152–5.—**Getting, V. A.** The progress of MR. Commonhealth, Bost., 1938, **25:** 308–10.—**Goler, G. W.** Municipal reg. of the milk supply. J. Am. M. Ass., 1907, **49:** 1077–9; Disc., 1093.—**Import** (The) Milk Act, U. S. C. **21:** 141 to 149. In: Treat. Law of Food (Toulmin, H. A., jr) Cincin., 1942, 989–92.—**Irwin, R. E.** A model MO. Tr. Luzerne Co. M. Soc. (1920–21) 1922, **22:** 196–200. ——— Interstate uniformity of milk laws and reg-s; what are the obstacles in the way? Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24:** 227–31.—**Jug** station milk. J. Am. M. Ass., 1940, **115:** 1724.—**Milk** supplies improved by standard MO; survey conducted by Public Health Service shows marked improvement. Mun. San., 1932, **3:** 291.—**Nance, W. O.** The essentials of the new Chicago MO. Illinois M. J., 1913, **23:** 45–8.—**New** milk law. Pennsylvania M. J., 1934, **37:** 409.—**Parker, L. T.** Validity of city ord. and state laws and other reg-s to assure wholesomeness of milk. Vet. Med., Chic., 1935, **30:** 343–6.—**Pearson, L.** Existing and desirable laws governing the milk supply. Tr. Philadelphia Pediat. Soc. (1905–06) 1907, **2:** 75–8.—**R.** Ein neues Milchgesetz in den Vereinigten Staaten von Amerika. Münch. med. Wschr., 1925, **72:** 779.—**Reg.** requiring pasteurization of milk upheld. Pub. Health Rep., Wash., 1923, **38:** 98–100.—**Report** of the Committee on Uniform Standard MO, Conference of State and Territorial Health Officers, 1926. Ibid., 1926, **41:** 1573–82.—**Report** of the Executive Committee [of the Medical Society of the District of Columbia] on the Milk Bill. Washington M. Ann., 1907–08, **6:** 76–86.—**Rodes, L. O.** Needed legisl to regulate milk supply. Colorado M., 1908, **5:** 483–91.—**Shelley, H. J.** Methods in obtaining milk code adoption (as employed in Middletown, N. Y.) N. York State J. M., 1928, **28:** 1468.—**Slack, F. H.** The comparative value of bacterial and temperature reg-s for a city's milk supply. J. Infect. Dis., 1907, Suppl. No. 3, 76–81. Also Rep. Am. Pub. Health Ass., (1906) 1907, **32:** pt 2, 76–81.—**Trotter, A. M.** A suggestion for general legisl. for the control of the milk supply. J. Prev. M., 1906, **14:** 217–25.—**Voorhees, E. B.** State reg. of the milk supply. N. York M. J., 1907, **85:** 934–6.—**Warning** on Filled Milk Act. J. Am. M. Ass., 1938, **110:** 2018.

—— Venezuela.

Noguera Gómez, E. Paulas recomendables para una reglam. eficiente de la industria lechera en el país. Mem. Congr. venezol. leche, 1939, 1. Congr., 293–322.

MILKMAN.

See **Milker.**

MILKMAN, Louis Arthur, 1895–1951.

For biography see Med. Soc. Rep., Scranton, 1944, **38:** 5–7, portr.

MILK (market)

Abbrev.: MM for market milk.

See also **Milk (certified) Milk composition**—by countries; **Milk delivery; Milk distribution; Milk grading; Milk supply; Milk transportation.**

Biedert. Bemerkungen zu einer MM erster Klasse. Verh. Ges. Kinderh. (1905) 1906, 30–5.—**Blais, M., Beaudoin, R., & Sanderson, M.** A survey of the nutritive value of milk and milk products as sold on the Montreal markets. Canad. J. Pub. Health, 1949, **40:** 392–5.—**Gromov, N. N.** Bazarnoe moloko v. g. Serpukhe. Vrach. gaz., 1912, **19:** 789–92.—**Melvin, A. D.** The classification of MM. Bull. U. S. Hyg. Laborat., Wash., 1908, No. 41, 559–61.—**Pearson, R. A.** MM; a plan for its improvement. Rep. U. S. Bur. Anim. Indust. (1900) 1901, **17:** 158–93, 9pl. ——— Some influence in favor of better MM. Boston M. & S. J., 1906, **154:** 463.

—— Sanitation.

See also **Milk control; Milk sanitation.**

Diamandidi, V. F. Опыт санитарнаго изслѣдования Харьковскаго продажнаго молока. p.7–67. 24cm. Kharkov, 1911.

Sborn. tr. Kharkov. vet. inst., 1908–11, **9:** No. 6.

Gooren, G. L. J. *Hygienische Untersuchungen der Handelsmilch [Bern] 22p. 8° Jena, 1912.

Also Zbl. Bakt., 2. Abt., 1912, **35:** 625–46.

Bicky, V. K voprosu o kontrole za prodazhnym molokom. Arkh. vet. nauk, 1914, **44:** pt 2, 350–74.—**Brown, L. P.** The experience of New York City in grading MM. Am. J. Pub. Health, 1916, **6:** 671–7.—**Gamble, J. A.** MM; increasing its freedom from disease-producing organisms and controlling the prepasteurized bacteria-count (1929–31) Bull. George Washington Univ., 1931, 1–10.—**Gilles, G.** L'hygiène du lait frais en Algérie; principes de l'organisation et de l'assainissement du marché. Cah. méd., Alger, 1948, **3:** 227–32.—**Glässer.** Die MM unserer Städte in hygienischer Hinsicht. Deut. tierärztl. Wschr., 1939, **47:** 61–3.—**Heinzman, M. A.** California's MM control program. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21:** 67–75.—**Nystedt, S.** Public control of the production, distribution, and sale of MM. Rep. Internat. Vet. Congr. (1914) 1915, 10. Congr., **2:** 431–75.—**Rudorff, F.** Welche praktisch ausführbaren hygienischen Ansprüche lassen sich an gute Markt- sowie an Vorzugsmilch stellen? Molkereiztg, 1907, **17:** 601–3.—**Stone, R. V.** A modified Quevenne lactometer for the public health laboratory control of MM. Am. J. Pub. Health, 1933, **23:** 939–42.—**Tapernoux, A.** Les efforts d'organisation et d'assainissement du marché du lait en France. Lait, 1935, **15:** 480–96.

—— Supply.

See also **Milk production; Milk quality.**

Report on MM supplies of certain urban communities, January 1, 1936, to December 31, 1940. Pub. Health Rep., Wash., 1938, **53:** 128; 1939, **54:** 176; passim; 1940, **55:** 121; passim; 1941, **56:** 240.—**Report** on MM supplies of certain urban communities; with description of method of rating milk sheds. Ibid., 1381–99.—**Report** on MM supplies of Public Health Service Milk Ordinance communities. Ibid., 1943, **58:** 320–4.—**Report** on MM supplies of standard milk ordinance communities. Ibid., 1941, **56:** 1563; 1942, **57:** 228; 1218.—**Report** on MM supplies of urban communities. Ibid., 1937, **52:** 130–3.

MILK merchandizing.

See also **Milk beverage; Milk care; Milk (bottled) Milk hygiene; Milk supply.**

Casalini, M. La vendita del latte per l'alimentazione umana. 74p. 8° Torino, 1906.

Lando, Z. D. Maelkehandel. 432p. 21cm. Kbh., 1938.

Bibliogr.: p. 411–26.

United States Federal Trade Commission. Sale and distribution of milk and milk products. 103p. 8° Wash., 1936.

Forms House Doc. No. 451, 74th Congr., 2d Sess.

Cates, J. The sale of milk. Pub. Health, Lond., 1913–14, **27:** 120–8.—**Gelly.** La vente du lait de consommation courante dans les villes. Rev. hyg. méd. social, 1937, **16:** 72–7.—**Grüttner, F.** Ueber den Milchverkehr in kleinstädtischen und ländlichen Bezirken unter besonderer Berücksichtigung des Molkereiwesens. Deut. tierärztl. Wschr., 1930, **38:** 581–6.—**Hottinger, R.** Relação entre o mercado e o consumo de leite, sob o ponto de vista hygienico e commercial. Ann. paul. med. cir., 1915, **5:** 364–8.—**Labelle, E. C.** Le commerce du lait. Canad. J. Comp. M., 1941, **5:** 229–32.—**Mazzitelli, M.** Su lo smercio igienico del latte destinato al consumo diretto. Studium, Nap., 1933, **23:** 5–17.—**Milk** in small general shops. Lancet, Lond., 1907, **1:** 193; 253.—**Rudorff, F.** Moyens d'adapter la vente du lait en gros et en détail aux besoins hygiéniques. Ann. hyg., Par., 1908, 4. ser., **10:** 326–31.

—— Control.

Eloire, A. La surveillance de la vente publique du lait normal, moyen facile et pratique de rechercher les laits mouillés. Rec. méd. vét., 1922, **98:** 573–6. Also Rev. path. comp., Par., 1923, **23:** 137–9.—**Geudens, D.** Le controle sur la vente du lait. Mouvement hyg., Brux., 1908, **24:** 218–33.—**Hansen, H.** Om tilsyn med handel med animalske naeringsmidler, maelk undtagen. Nord. hyg. tskr., 1931, **12:** 377–406.—**Kelly, E.** The control of bulk milk in stores. Rep. U. S. Bur. Anim. Indust., (1911) 1913, **28:** 237–46.—**Manceaux, L.** De la nécessité de réglementer la vente du lait. Rev. path. comp., Par., 1914, **14:** 176–83; Disc., 212; 292.—**Milk;** carton milk, deficiency of 4 fluid ounces. Brit. Food J., 1941, **43:** 37.—**Milk;** defendant's contention that she was not entitled to sell milk by retail. Ibid., 1943, **45:** 7.—**Oijen, C. F. v.** Toezicht op den handel in melk. Tschr. diergeneesk., 1941, **68:** 352–8.—**Pinto, E.** O commercio do leite Rio de Janeiro e a sua fiscalização sanitaria. Tribuna med., Rio, 1908, **14:** 188; passim.—**Tustin, P. B.** Retail aspects of milk hygiene. J. R. San. Inst., 1929–30, **50:** 312–5; Disc., 322.

MILK modification.

See also **Milk adulteration; Milk processing; Milk product.**

Cattle, C. H. Milk, sweet and sour. Practitioner, Lond., 1910, **84:** 207–18.—**Delavilla, A.** Klinische Erfahrungen über Lakto. Wien. klin. Wschr., 1906, **19:** 703–5.—**McAllister, A.** Whole milk versus laboratory milk. J. Am. M. Ass., 1906, **47:** 1087–9.—**Meillère, G.** Les laits modifiés. Tribune méd., Par., 1907, n. ser., **39:** 216.—**Renaud, M.** Les laits allégés. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., **52:** 1178–80.—**Russell, W. C.** Scientific control of the nutritional content of cow's milk. Certif. Milk, 1937, **12:** 10; 18.—**Simpson, J. A.** Estudio dietético de la leche; algunas observaciones sobre leche modificada. Vida nueva, Habana, 1928, **21:** 167–77.—**Vignes, H.** Les laits modifiés. Progr. méd., Par., 1940, **68:** 483–5.

—— Aeration and deaeration.

Marshall, C. E. The aëration of milk. Contr. Med. Res. V. C. Vaughan Anniv., 1903, 237–75.—**Sharp, P. F., Hand, D. B., & Guthrie, E. S.** Preliminary report on the deaeration of market milk. J. Milk Techn., 1940, **3:** 137–43. ——— Deaeration as a means of retarding oxidized flavors and preserving the vitamin C of milk. Ibid., 1941, **4:** 138–43. Also Bull. Hyg., Lond., 1942, **17:** 420 (Abstr.)

—— Analysis.

See also **Milk adulteration.**

Blatt, M. L., & Zeldes, M. Survey of milk modifications. J. Am. Diet. Ass., 1941, **17:** 117–22.—**Dubosc, L.** L'analyse des laits altérés. Ann. falsif., Par., 1913, **6:** 452–4.—**Gascard, A.** L'analyse des laits altérés. Ibid., 525–30.—**Kling, A.** L'analyse des laits altérés. Ibid., 1911, **4:** 636–8. ——— & **Lassieur, A.** La question de l'analyse des laits altérés. Ibid., 1922, **15:** 95–101.—**Kling, A., & Roy, P.** L'analyse des laits altérés. Ibid., 1909, **2:** 257–63.—**Landmann.** O Backhausově mléku. Cas. veřej. zdravot., 1908, **10:** 90; 114.—**Méry.** Les altérations du lait de vache. Rev. gén. clin. thér., 1906, **20:** 344.—**Ronnet, L.** Analyse des laits altérés. Ann. falsif., Par., 1911, **4:** 557; 1912, **5:** 45.—**Vásquez, J. R.** Leches modificadas; su agrupamiento. Rev. Soc. puericult. B. Aires, 1948, **14:** 104–13.—**Voiret, E. G.** Analyse des laits altérés ou coagulés. Lait, 1940, **20:** 407–10.

—— Bacteriology.

Borzone, R. A. Flora microbiana de las leches modificadas que se eloboran en Santa Fé. Reun. Soc. argent. pat. region. (1929) 1930, 5. meet., **2:** 1376–80.—**Heinemann, P. S.** The bacteriology of tätté melk. Science, 1911, n. ser., **33:** 630.

—— Biological effect.

Courtney, A. M. Some differences in the behaviour of raw, pasteurized, boiled, evaporated and dried milk at the hydrogen-ion concentration of the stomach. Canad. M. Ass. J., 1927, **17:** 919–22.—**Randoin, L., & Lecoq, R.** Etude biologique du lait modifié, dans sa constitution, par élimination des lipides et par addition de divers glucides. C. rend. Soc. biol., 1929, **102:** 528–31.—**Spies, T. D., & Dreizen, S.** The effect of milk supplements on the growth of children with nutritive failure; the Wetzel grid findings. J. Pediat., S. Louis, 1949, **34:** 393–413.

—— Boiled milk.

See also subheading (Heated milk)

GRIMM, V. *Versuche über das Absterben von Bakterien in physiologischer Kochsalzlösung und in Milch bei Kochen unter erniedrigten Druck. 27p. 8° Berl., 1906.

Allaria, G. B. Delle alterazioni della reazione attiva del latte vaccino prodotte dalla cottura. Pediatria, Nap., 1912, 2. ser., **20:** 217–24.—**Bauwens, L.** De hoedanigheid der melk die in de steden verkocht wordt. Handel. Vlaamsch natur. & geneesk. congr., (1903) 1904 **7:** 49–56.—**Bracci, C.** Sopra alcune alterazioni del latte cotto. Pediatria, Nap., 1905, 2. ser., **3:** 515–28.—**Brenkman, C. J.** Modelmelk; koken of niet koken? Tschr. sociale geneesk., 1926, **4:** 173.—**Clemm, W. N.** Gekochte oder rohe Milch. Med. Woche, 1906, **7:** 173–5.—**D'Alessandro, A.** Los estragos de la leche hervida. Sem. méd., B. Air., 1918, **25:** 233–42.—**Dupraz, E.** Récupération du beurre dans les pellicules du lait bouilli. Progr. méd., Par., 1917, 3. ser., **32:** 197.—**English, W. L.** Boiled milk and raw protein. Brit. M. J., 1943, **2:** 339.—**Grosser, P.** Ueber den Einfluss des Kochens auf das physikalisch-chemische Verhalten von Frauenmilch, Kuhmilch und Buttermilch. Biochem. Zschr., 1913, **48:** 427–31.—**Mantovani, G.** Contributo allo studio dei latti che coagulano al calore; ricerche sulla coagulazione del latte di capra alla temperatura di ebollizione. Igiene mod., 1938, **31:** 351–63.—**Mondolfo, U.** Ebollizione e germi patogeni del latte. Bull. sc. med., Bologna, 1934, **106:** 338–46.—**Rogina, B.** Verhalten der Citronensäure in gekochter Milch. Zschr. Untersuch. Lebensmitt., 1935, **69:** 337–40.—**Saraceni, F.** Latte bollito o latte alla formalina? Atti Congr. pediat. ital. (1905) 1906, **5:** 379–83.—**Soxhlet.** Die Gerinnung schwach saurer Milch beim Kochen. Verh. Ges. deut. Naturforsch. (1904) 1905, 2. T., 151.

—— Boiled milk: Bacteriology.

Chambrelent. De l'ébullition du lait au point de vue de sa pureté bactériologique et de sa composition chimique. Gaz. sc. méd. Bordeaux, 1905, **26:** 474.—**Schern, K.** Las pruebas aeróbica y anaeróbica de fermentación para la leche hervida. Arch. Soc. biol. Montevideo, 1929, **1:** 291–5.—**Stolzova, M.** [Is the boiling of milk sufficient to kill filtrable forms of the tubercle bacillus?] Bratisl. lek. listy, 1929, **9:** 445–9.—**Varma, K., & Laxminarayana, H.** Aerobic spore-forming bacteria in boiled milk. Current Sc., Bangalore, 1947, **16:** 228.

—— Boiled milk: Nutritive value.

Cancedda, L. L'azione esercitata dai latti collettivi sull'accrescimento dimensionale del Lupinus albus L.; ricerche sul latte di vacca crudo e cotto. Profilassi, 1939, **12:** 201–10.—**Chakraborty, R. K.** A note on the vitamin C-values of boiled and pasteurised cow's milk. Ind. J. Pediat., 1936, **3:** 13.—**Donath, W. F.** Het anti-neuritisch vitamine-gehalte van gekookte melk. Pharm. tschr. Ned. Indië, 1931, **8:** 449.—**Escudero, A., Herraiz, M. L., & Alvarez Herrero, H. G. de.** Influencia de la cocción de la leche sobre su contenido de flavina, ácido nicotínico y tiamina. Rev. As. argent. diet., 1943, **1:** 119.—**Gardella, E.** Perchè il latte bollendo perda della sua coagulabilità. Riv. clin. pediat., 1907, **5:** 26–31.—**Graham, S., & Morris, N.** The effect of boiling on the nutritive value of milk. Arch. Dis. Childh., Lond., 1937, **12:** 169–72.—**Schwartza, E. W., Murphy, F. J., & Hann, R. M.** Studies on the destruction of vitamin C in the boiling of milk. J. Nutrit., 1929–30, **2:** 325–52.

—— Calcium milk.

See also **Milk constituents,** Calcium.

Lesné, E. Le lait calcique. J. méd. chir., Par., 1935, **106:** 598.—**Muñoz, A. A. de, & Gentile, M. A.** Leche cálcica. An. Soc. puericult. B. Aires, 1938, **4:** 278–84; Disc., 328.

—— Chocolate milk.

Holmes, A. D., Jones, C. P. [et al.] Ascorbic acid, riboflavin and thiamine content of chocolate milk. Am. J. Dis. Child., 1945, **69:** 157–9.—**Mueller, W. S., & Ritchie, W. S.** Nutritive value of milks, plain versus chocolate flavored. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25:** 61–79.—**Newell, G. W., & Elvehjem, C. A.** Studies on the growth of rats raised on chocolate milk. Science, 1944, **99:** 411.

—— Citrated milk.

England, J. W. The use of sodium citrate as a modifier of cow's milk. J. Am. M. Ass., 1906, **47:** 1241–3.—**Kuhlmann, F., & Wauer, D.** Die Verwendung der Citrettenmilch in der Erwachsenendiätetik. Ther. Gegenwart, 1942, **83:** 399–401.—**Luerssen, A.** Die Unbrauchbarkeit der Zitronensäure zur Desinfektion der Milch. Deut. med. Presse, 1907, **11:** 139.—**Murtagh, J. J., & Riviere, C. A.** La leche cítrica en la alimentación del lactante. An. Soc. puericult. B. Aires, 1943, **9:** 24–34.—**Uldall, C.** Nogle undersøgelser over sunde og syge spaedbørns ernaering med ublandet komaelk tilsat cytronsyre (citridomaelk) Ugeskr. laeger, 1943, **105:** 489–96.

—— Enriched milk.

See also **Milk (vitaminized)**

Block, R. J. Biologic studies on the value of dietary supplements of milk and milk products. J. Am. Diet. Ass., 1949, **25:** 937–40.—**Holford, F. D.** Fortifying milk and its effect upon the vitamin content. Vet. Bull., Wash., 1935, **29:** 341–52.—**Is** there need for the fortification of milk? N. Hampshire Health News, 1942, **20:** No. 4, 14.—**McCollum, E. V.** Is there need for the fortification of milk? Am. J. Pub. Health, 1942, **32:** 80–4.—**Márquez, V. M.** Variaciones del contenido de colina en la leche durante su envejecimiento; consideraciones sobre una nueva reacción para distinguir leches frescas de leches de más de 24 horas de ordeñadas. Rev. san., Carácas, 1943, **8:** 47–66.—**Maynard, L. A.** Fortification of milk. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1948, **8:** 15.—**Report** (A) on milk fortification. Ibid., 1944–45, **4:** 339–44.—**Ribadeau-Dumas, L.** Les laits enrichis. Rev. diét., Par., 1946, **5:** 3–5.

—— Formula milk.

See also **Infant nutrition,** artificial.

ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Publicaciones de divulgación, DNP 7: Método para la preparación y uso de la mezcla láctea Escudero. 2. ed. 17p. 22cm. B. Air., 1948.

Andō, K. Zinkō-nyū siyō seiseki [Result of the use of artificial milk] Acta paediat. jap., 1947, **51:** 14.—**Brink, J. A. van den.** Iets over het gebruik van Emstermate-melk. Tschr. prakt. verlosk., 1905–06, **9:** 305–15.—**Brown, D. R.** Accurate modification of milk, simple and practicable. J. Am. M. Ass., 1907, **48:** 577–85; Disc., 641.—**Burgos, H. I.** Ventajas del manejo de la mezcla láctea Escudero. Rev. As. argent. diet., 1943, **1:** 243–5.—**Chapin, H. D.** The use of gruels as diluents of cow's milk. Tr. Am. Pediat. Soc., 1899, **11:** 219–29.—**Escudero, P.** Fundamentos para preparar una mezcla láctea que pueda emplearse en lugar de la leche humana. Rev. As. argent. diet., 1943, **1:** 3–12. ——— Bacteriología comparada de las heces fecales del lactante alimentado con leche humana y con mezcla láctea. Sem. méd., B. Air., 1894–1944, t. cincuentenario, 251–4. ——— **Cataldi, M. S., & Montagna, C. P.** Microflora intestinal de los lactantes alimentados con mezcla láctea Escudero. Rev. As. argent. diet., 1944, **2:** 40–6.—**Escudero, P., & Domínguez, B. D.** Nueva fórmula de preparación de la besamela Escudero. Ibid., 285–9.—**Escudero, P., Waisman S., G., & Cataldi, M. S.** Estudio comparativo, químico, microscópico y bacteriológico de las heces del lactante alimentado con leche humana y mezcla láctea Escudero. Ibid., 122–32.—**Estrada, M. T.** Relación del resultado obtenido en 11 lactantes alimentados con leche de vaca, diluída con agua de bananina al 2%. Bol. Soc. cubana pediat., 1945, **17:** 47–60.—

González Aguirre, J., Messina, R. B., & Ribatto, N. La mezcla láctea Escudero acidificada; su aplicación en nuestro servicio de lactantes. Día méd., B. Air., 1944, **16:** 1404–6.—**Holt, L. M.** A ready method of calculating milk formulas of various percentages and the calorie value of the same. Tr. Am. Pediat. Soc., 1911, **23:** 278–84.—**Jessup, H.** When a child refuses plain milk. Am. J. Nurs., 1927, **27:** 275–7.—**Littig, L. W.** Modified milk: the principle not the rule. Iowa M. J., 1906, **12:** 142–5.—**Montagna, C. P.** Resultados obtenidos durante 7 años de utilización de la mezcla láctea Escudero. Rev. As. argent. diet., 1943, **1:** 99–105. Also Día méd., B. Air., 1943, **15:** 1110. ——— & **Burgos, H. I.** Preparación de la mezcla láctea Escudero en las regiones donde se carece de leche fresca. An. Soc. puericult. B. Aires, 1940, **6:** 98–102; Disc., 128.—**Müller, E., & Rominger, E.** Das Milchzucker-Fettproblem in der Säuglingsnahrung. Kinderärztl. Prax., 1948, **16:** 236–45.—**Natelson, S., Sherman, M., & Kramer, B.** Carbohydrate supplements (lactose and starch hydrolysates) in infant feeding; blood sugar changes following the administration of carbohydrate supplements in various milk media. J. Pediat., S. Louis, 1949, **34:** 443–57.—**Nielsen, E.** Le lait artificiel pour les veaux et les jeunes porcs. Lait, 1927, **7:** 307–9.—**O'Malley, J., & O'Malley, A.** Ready tables for modified milk. Am. Med., 1907, n. ser., **2:** 679–83.—**Putnam, G. W.** Milk modification prescription blank. J. Am. M. Ass., 1907, **49:** 691.—**Rohmer, P., & Beyer, P.** Les laits artificiels dans l'alimentation du nourrisson. Ann. nutrit., Par., 1947, **1:** 119–33.—**Schlemerdine, E. K.** Ready methods of formulating modified milk mixtures. N. York M. J., 1904, **80:** 971–4.—**Soriano, S., & Soriano, A. M. de.** Preparación y conservación de la mezcla láctea Escudero con leche acidófila y leche bífida. Rev. As. argent. diet., 1948, **6:** 235–42.—**Southby, R.** Modification of cow's milk for infant feeding. Med. J. Australia, 1948, **1:** 660.—**Tuley, H. E.** The importance of milk modification for infant feeding. Tr. Kentucky M. Soc., 1901, **46:** 114–22; Disc., 127–31.—**Waisman, S. G.** Vigilancia y resultados del método elegido para la acidificación de la mezcla láctea Escudero. Rev. As. argent. diet., 1945, **3:** 280–3.

—— Frozen milk.

See also **Milk cooling.**

Corblin, H. Le refroidissement et la congélation du lait. Lait, 1928, **8:** 884; 1929, **9:** 26, diagr.—**Doan, F. J., & Leeder, J. G.** Milk can be frozen for sale to consumers. Food Indust., 1944, **16:** No. 7, 76; 123.—**Frozen** milk for hospital ships. Bull. U. S. Army M. Dep., 1945, No. 85, 19.—**McNellis, R.** Frozen milk. Vet. Bull., Carlisle, 1940, **34:** 38–40.—**Roadhouse, C. L., & Henderson, J. L.** How quick freezing affects keeping quality of milk and cream. Food Indust., 1940, **12:** No. 6, 54.—**Shafir, A. I., & Popov, S. P.** [Hygienic evaluation of frozen milk] Hig. & san., Moskva, 1944, **9:** No. 3, 21–5.—**Tressler, D. K., & Evers, C. F.** Frozen milk. In their Freez. Preserv. Foods, N. Y., 1943, 526–9.—**Winter, V. V.** The separation of the components of frozen milk by fractional melting. Chem. News, Lond., 1929, **138:** 321–4.

—— Heated milk.

See also **Milk pasteurization; Milk sterilization; Milk testing.**

Brouwer, E. Sur les membranes d'écume dans le lait. Arch. néerl. physiol., 1925, **10:** 407–11.—**Drucker, P.** Varmebehandling af maelk. Nord. med., 1944, **21:** 370–5.—**Effect** (The) of heat on milk. Month. Rep. Dep. Pub. Health, Toronto, 1938, Feb., pt 2, 4.—**Fridericia, L. S.** Farerne ved varmebehandling af maelk. Ugeskr. laeger, 1943, **105:** 639.—**Hahn, J. B.** Farerne ved varmebehandling af maelk. Ibid., 615.—**Hall, J. M.** Effect of heat on milk. Jamaica Pub. Health, 1933, **8:** 112.—**Jepsen, A.** Varmebehandling af maelk. Nord. med., 1944, **21:** 367–70.—**Meyn, A.** Untersuchungen über die Wirkung der Kurzzeiterhitzung an Grossleistungserhitzern des Milchhofes Leipzig. Deut. tierärztl. Wschr., 1935, **43:** 737–9.—**Miyata, K.** Konwa-serareturu ni-syu nyûzyû no kanetu hensei ni tuite [On denaturation of mixed milks by heat] Acta serol., Tokyo, 1941, **2:** 539–44.—**Mojonnier, T.** Transmission de la chaleur par les métaux et les alliages. Lait, 1928, **8:** 859.—**Müssemeier.** Zur Frage der Milcherhitzung in Sammelmolkereien. Zschr. Infektkr. Haustiere, 1942, **59:** 5–15.—**Orla-Jensen.** Recherches sur les laits chauffés. Lait, 1933, **13:** 82–5.—**Pels-Leusden, F.** Milchhäutchenbildung und ihre Verhinderung. Gesundh. Ingenieur, 1928, **51:** 792.—**Schulz, M.** Bedeutung der Wärmerückgewinnung bei der Milcherhitzung. Molkereiztg, 1911, **21:** 73–6.—**Stassano, H.** Leche maternal, leche cruda de vaca y saneada por medio de un tratamiento racional y apropiado por el calor. Rev. hig. san. pecuar., Madr., 1931, **21:** 708–10.—**Weber.** Lebensmittelkunde einschl. Fleischbeschau und Schlachthofwesen; Erhitzung der Milch in bäuerlichen Wirtschaften und auf Gütern aus Anlass der Maul- und Klauenseuche. Berl. tierärztl. Wschr., 1933, **49:** 718–20.—**Wedemann.** Neuere Verfahren der Milcherhitzung. Reichsgesundhbl., 1934, **9:** 231–5. ——— Die Kurzzeiterhitzung von Milch. Ibid., 1935, **10:** 859.

—— Heated milk: Bacteriology.

Eble, K., & Pfeiffer, H. Betrachtungen über die Abhandlung: Einwirkung der Erhitzung auf das mikroskopische Bild der Milch. Zschr. Fleisch Milchhyg., 1935–36, **46:** 340–2.—**Ford, W. W., & Pryor, J. C.** Observations upon the bacteria found in milk heated to various temperatures. Johns Hopkins Hosp. Bull., 1914, **25:** 270–6.—**Guittonneau, G., & Brigando, J.** Sur une résistance aux colorations de certains corps microbiens acquise par chauffage dans le lait. C. rend. Acad. sc., 1936, **202:** 1622–4.—**Lewis, J. H., & Hayden, H. C.** Effect of heat on the antigenic properties of milk. Am. J. Dis. Child., 1932, **44:** 1211–20.—**Rosenau, M. J.** Thermal death points of milk bacteria and other effects of heat upon milk. Pediatrics, N. Y., 1908, **20:** 549–57.—**Schubert, H.** Die Reinfektion der erhitzten Milch durch die Molkereiluft. Zschr. Hyg., 1943–44, **125:** 654–65.—**Shippen, L. P.** Common organisms in heated milk: their relation to its reactions. Johns Hopkins Hosp. Bull., 1915, **26:** 257–61.

—— Heated milk: Chemical and physical changes.

Desoille-Merlhes, H. *Modifications de quelques éléments minéraux du lait sous l'influence de la chaleur. 68p. 8° Par., 1929.

Cambosu, G. Il comportamento del latte crudo e sottoposto a varie temperature di fronte agli acidi. Igiene mod., 1936, **29:** 1–9.—**Caserio, E.** La viscosità del latte in rapporto ad alcuni trattamenti termici. Ann. igiene, 1934, **44:** 1020–4.—**Cosmovici, N. L.** Le lait chauffé à différentes températures se comporte-t-il de la même manière que le lait cru, envers la présure, en milieu oxalaté? C. rend. Soc. biol., 1925, **92:** 130–2.—**Daniels, A. L., & Loughlin, R.** A deficiency in heat-treated milks. J. Biol. Chem., 1920, **44:** 381–97.—**Deco, M.** Influence de la cuisson et du réchauffement sur la teneur du lait en vitamine A et en carotène. C. rend. Soc. biol., 1939, **130:** 819–21.—**Fynn, E.** Ueber die Entstehung von Schwefelwasserstoff bei der Erhitzung der Milch. Zschr. Fleisch Milchhyg., 1908, **18:** 180–2.—**Guittonneau, G., & Béjambes, M.** Chromorésistance et enrobage phosphocalcique des microbes chauffés dans le lait. Lait, 1939, **19:** 225–34.—**Halliday, N.** Effect of heat at varying concentrations of hydrogen ion on vitamin B (B_1) in protein-free milk. J. Biol. Chem., 1932, **98:** 707–17.—**Kosikowsky, F. V.** The effect of high temperature and various chemical agents upon the heat stability, browning and apparent change in lactose concentration of whole and evaporated milk. Abstr. Theses Cornell Univ. (1944) 1945, 224–7.—**Magee, H. E., & Harvey, D.** Studies on the effect of heat on milk. Biochem. J., Lond., 1926, **20:** 872; 885.—**Messner, E.** Contribution à l'étude de l'influence de la température sur la conductibilité du lait. C. rend. Soc. biol., 1934, **117:** 897–9.—**Sugita, T.** [Ueber den Vitamin C-Gehalt von Milch und Milchpräparaten und dessen Beeinflussung durch Erhitzen] Acta paediat. jap., 1939, **45:** Suppl., 47 (Abstr.)—**Sure, B., & Ford, Z. W.** Influence of incubation at 37° C on stability of thiamin and riboflavin in cow's milk. Proc. Soc. Exp. Biol., N. Y., 1943, **54:** 83–5.—**Tarassuk, N. P.** Effect of oxygen on color and flavor of heated milk. Food Indust., 1947, **19:** 781–3.—**Van Dam, W.** Des variations de l'acidité du lait dues au chauffage. Rev. gén. lait, 1908–09, **7:** 275–7.—**Zilva, S. S.** The rate of inactivation by heat of peroxidase in milk. Biochem. J., Lond., 1914, **8:** 656–69.

—— Heated milk: Microscopy.

Helm, R. Untersuchungen über den Zellgehalt roher und erhitzter Milch. Arch. wiss. prakt. Tierh., 1936–37, **71:** 413–26.—**Helmreich, W.** Einwirkung der Erhitzung auf das mikroskopische Bild der Milch. Zschr. Fleisch Milchhyg., 1935–36, **46:** 154–6.—**Russell, H. L., & Hoffmann, C.** Effect of heating upon the determination of leucocytes in milk. Am. J. Pub. Hyg., 1907–08, n. ser., **4:** 285–91. Also Rep. Am. Pub. Health Ass. (1907) 1908, **33:** pt 2, 22–8.—**Schern, K.** Ueber das Verhalten von Blutkörperchen-, Tierkohle-, usw.-Suspensionen in roher und erhitzter Milch. Deut. tierärztl. Wschr., 1934, **42:** 723–5.

—— Heated milk: Nutritive value.

Escudero, A., Herraiz, M. L., & Alvarez Herrero, H. G. de. Influencia de la cocción sobre el valor nutritivo de la leche de vaca. p.165–223. 25cm. B. Air., 1944.

Rev. As. argent. diet., 1944, **2:**

Behring, E. v. Experimentelle Ergebnisse betreffend die Veränderung der Nährstoffe und Zymasen in der Kuhmilch unter dem Einfluss hoher Temperaturgrade. Molkereiztg, 1906, **16:** 135; 147.—**Borges Hernández, F.** Pre-escorbuto producido por leche de vaca hervida. Bol. Soc. cubana pediat., 1936, **8:** 814–8.—**Daum, K.** The effect of heat upon certain constituents of milk; adult utilization of calcium from heated milk. Abstr. Theses Univ. Chic., 1925–26, **4:** 423–30.—**Fraas.** Die Milcherhitzungsfrage in Württemberg. Berl. tierärztl. Wschr., 1936, **52:** 221.—**Gagnoni, E.** Influenza del riscaldamento a bagno maria, secondo il metodo Soxhlet, sulla digeribilità delle sostanze proteiche del latte di vacca. Atti Accad. fisiocrit. Siena, 1905, 4. ser., **17:** 365–80. Also Riv. clin. pediat., 1905, **3:** 561–71. Also Atti Congr. pediat. ital. (1905) 1906, 5. Congr., 447.—**Glässer.** Rohmilch oder erhitzte Milch als Trinkmilch in unseren Städten. Deut. tierärztl. Wschr., 1935, **43:** 781–3.—**Hertel, H.** Ueber die biologische Wertigkeit von

Rohmilch und kurzzeiterhitzter Milch im Rattenfütterungsversuch. Zschr. Immunforsch., 1934–35, **84**: 321–36.—**Laird, D. A.** How a warm milk drink in the middle of the afternoon's work reduces last hour slump. Med. Rec., N. Y., 1934, **140**: 131.—**Magee, H. E., & Harvey, D.** Studies on the effect of heat on milk; the influence of diets of fresh and treated cow's milk on the calcium, phosphorus and nitrogen metabolism of the young pig. Biochem. J., Lond., 1926, **20**: 885–91.—**Mattick, E. C. V., & Golding, J.** Relative value of raw and heated milk in nutrition. Lancet, Lond., 1936, **1**: 1132–4.—**Okada, J., & Sano, T.** A few findings concerning digestion and nutrition of heated cow's milk. Jap. J. Exp. M., 1934, **12**: 169–98.

—— Heated milk: Overheating.

Eble, K., & Pfeiffer, H. Dithizonprobe zum Nachweise hocherhitzter Milch. Zschr. Untersuch. Lebensmitt., 1934, **68**: 307–10.—**Fischer, L.** Clinical facts relating to superheated milk. Month. Cyclop. Pract. Med., Phila., 1905, **18**: 534–7.—**Fleisch, A., & Domenjoz, R.** Reduktionswert überhitzter Milch und Ascorbinsäuregehalt. Zschr. Vitaminforsch., Bern, 1940, **10**: 244–54. Also Nutrit. Abstr., Aberdeen, 1941–42, **11**: 237.

—— Heated milk: Tests.

Gröger, P. E. A. *Die wichtigsten Enzymreaktionen zur Unterscheidung roher und gekochter Milch unter besonderer Berücksichtigung der Schardinger- Reaktion. 61p. 8° Borna-Lpz., 1911.

Herholz, B. J. H. *Beiträge zu bisher bekannten Reaktionen zur Unterscheidung von roher und erhitzter Milch mit besonderer Berücksichtigung der Guajakproben [Königsberg i. P.] 102p. 8° Braunsb., 1908.

Seberich, J. *Zur Frage des Nachweises der Niedererhitzung der Milch mit Hilfe eines besonders eingestellten Schardinger-Reagenses. 28p. 8° Münch., 1931.

Utujian, M. S. *La distinction du lait cru et du lait cuit par la méthode d'Arnold. 15p. 8° Lausanne, 1904.

Barthélemi, G. La précipitation spécifique des lactoprotéines comme moyen de contrôle du chauffage du lait. Lait, 1941, **21**: 225–33.—**Drost, J.** Zum Nachweis genügend erhitzter Milch. Pharm. Zhalle, 1912, **53**: 943–53. Also Zschr. Fleisch Milchhyg., 1912–13, **23**: 250–2.—**Fiore, F.** Studio comparativo dei metodi di differenziazione del latte cotto dal crudo (latte di vacca, di capra) prove di controllo della reazione di Schern-Gorli. Igiene mod., 1934, **27**: 202–17.—**Fooy, J. P.** [Arnold's reaction in identification of heated milk] Tschr. diergeneesk., 1935, **62**: 638–43.—**Freudenberg, E.** Ueber die neue Milchreaktion von A. Solé. Mschr. Kinderh., 1936, **65**: 173.—**Gaucher, L.** Réaction trés simple permettant de distinguer le lait cuit du lait cru. C. rend. Soc. biol., 1908, **64**: 275.—**Ilzhöfer, H.** Ueber den Nachweis stattgehabter Erhitzung der Milch. Arch. Hyg., Münch., 1930–31, **105**: 319–21.—**Jacobsen, J. E.** Ueber die Verwendbarkeit der kremometrischen Probe und der Phosphataseprobe zur Kontrolle der Dauererhitzung von Milch. Zschr. Untersuch. Lebensmitt., 1936, **71**: 515–21.—**Jeschki, K., & Zäch, C.** Ueber die Peroxydasereaktion bei hoch- und momenterhitzter Milch. Mitt. Lebensmitteluntersuch., Bern. 1934, **25**: 324.—**Kinugasa, Y., Hattori, Y., & Akiyama, K.** Si-nyū no kanetudo oyobi sinsendo no kanbetu-hō ni kan-suru kenkyū [Studies on methods of examination and judgment of the degree of heating and the degree of freshness of milk bought in the market] Nippon eisei kagakkai si, 1930, **2**: 1–33.—**Kohn, F. G., & Klemm, E.** Die Schern-Gorlische Ringreaktion zur Unterscheidung von roher und erhitzter Milch. Zschr. Infektkr. Haustiere, 1931, **39**: 82–93.—**Kuhlmann, H.** Der biologische Nachweis der Dauererhitzung der Milch. Ibid., 1934, **46**: 261–83.—**Lepri, G., & Piccininno, L.** Modificazione alla prova di Shardinger per riconoscere i rapporti nelle miscele fra latte crudo e latte bollito o pastorizzato a 80°. Igiene mod., 1929, **22**: 207–12.—**Lind, C.** Les enzymes du lait et leur utilisation pour apprécier le chauffage du lait. Lait, 1927, **7**: 935–46.—**Lorenzen, J.** Die Brauchbarkeit der Amylasen- und der Jodschnellreaktion zum Nachweis momenterhitzter Milch. Münch. tierärztl. Wschr., 1933, **84**: 433; 445.—**Masoero, P.** Sulla differenziazione del latte crudo dal latte cotto. Gior. Soc. ital. igiene, 1934, **56**: 229–31.—**Meyer, H.** Zur Frage des Nachweises der Niederhitzung der Milch mit besonderer Berücksichtigung der Amylasenreaktion. Münch. tierärztl. Wschr., 1932, **83**: 313; 327.—**Morris, C. S.** Effect of temperature on the reducing activity of leucocytes in milk. Nature, Lond., 1944, **153**: 436.—**Münchberg, F.** Methoden zur Unterscheidung von roher und erhitzter Milch. Wien. tierärztl. Mschr., 1931, **18**: 641–9.—**Nyiredy, I.** [Schern-Gorli reaction] Allatorv. lap., 1933, **56**: 51; 75. Also German transl, Zschr. Infektkr. Haustiere, 1934, **46**: 48–58.—**Orla-Jensen.** Proben zur Feststellung des Erhitzungsgrades der Milch. Zschr. Untersuch. Lebensmitt., 1932, **63**: 300–8.—**Pittarelli, M.** Sulla identificazione del latte cotto nel latte crudo. Ann. igiene, 1933, **43**: 864–75.—**Renner, F.** Die Brauchbarkeit der Schardingerreaktion zum Nachweise der Dauererhitzung der Milch. Münch. tierärztl. Wschr., 1932, **83**: 493–7.—**Rochaix, T., & Thévenon, L.** Nouvelle méthode pour différencier le lait cuit du lait cru. Bull. Soc. méd. hôp. Lyon, 1909, **8**: 346–8. Also C. rend. Soc. biol., 1909, **67**: 475–7.—**Römer, P. H., & Sames, T.** Beiträge zur Schardingerschen Reaktion der Kuhmilch. Zschr. Untersuch. Nahrungsmitt., 1910, **20**: 1–10.—**Schern, K.** Zur Theorie und Praxis der SGR (Schern-Gorlische Reaktion für Milch) Berl. tierärztl. Wschr., 1936, **52**: 81; 97. ——— & **Gorli de Villar y Rossi, B. E.** Algunas observaciones sobre la teoría de la reacción de anillo de Schern-Gorli con algunos otros nuevos experimentos. Arch. Soc. biol. Montevideo, 1935–36, **6**: 62–9.—**Schern, K., & Schellhase, W.** Ueber die Guajak-Guajacolprobe zur Unterscheidung roher und gekochter Milch. Berl. tierärztl. Wschr., 1911, **27**: 868.—**Seligmann, E.** Nachweis stattgehabter Erhitzung von Milch. Zschr. angew. Mikr., 1907, **12**: 243–8.—**Stehle, G.** Ueber die Verwendbarkeit der Peroxydasereaktion zum Nachweis dauererhitzter Milch. Münch. tierärztl. Wschr., 1936, **87**: 505; 519.—**Stoldt, W.** Beitrag zum Nachweis der Kurzzeit-Erhitzung der Milch. Zschr. Untersuch. Lebensmitt., 1935, **69**: 71–3.—**Tillmans, J.** Eine bequeme Ausführungsart der Storch'schen Reaktion. Zschr. Untersuch. Nahrungsmitt., 1912, **23**: 61–4.—**Van Slyke, L. L., & Keeler, R. F.** The CO-content as a basis for distinguishing heated from unheated milk. J. Biol. Chem., 1920, **41**: 41–5.—**Weber, E.** Die Guajakringprobe. Zschr. Tiermed., 1912, **16**: 145–8.—**Weinstein, P.** Nachweis des Erhitzungsgrades der Milch. Zschr. Untersuch. Lebensmitt., 1928, **56**: 457–67.—**X.** Ueber die Methoden zum Nachweis des Erhitzungsgrades von Milch. Schweiz. Apoth. Ztg, 1935, **73**: 258.—**Zäch, C.** Ueber die Methoden zum Nachweis des Erhitzungsgrades von Milch. Mitt. Lebensmitteluntersuch., Bern, 1924, **25**: 87–100.

—— Homogenized milk. [Abbrev.: HM for homogenized milk; homogenisierte Milch; LH for lait homogénéisé.

Buglia, G. Ueber einige physikalisch-chemische Merkmale der HM. Zschr. Chem. Indust. Kolloide, 1907–08, **2**: 353. Also Arch. ital. biol., 1909, **51**: 382–4.—**Carr, R. E., & Trout, G. M.** Some cooking qualities of HM.; baked and soft custard. Food Res., 1942, **7**: 360–9.—**Chevalier, J.** Le LH. Congr. internat. hyg. aliment., 1910, 2. Congr., **2**: Sect. 4, 141–4.—**Dorner, W., & Widmer, A.** Rancissement du lait par l'homogénéisation. Lait, 1931, **11**: 545–64.—**Franklin, U. D.** The effects of homogenization on milk. J. M. Ass. Alabama, 1948–49, **18**: 113.—**Hollender, H., & Weckel, K. G.** Stability of HM in cookery practice. Food Res., 1941, **6**: 335–43.—**Homogénéisation** du lait; ce qu'elle est, ce qu'elle n'est pas. Nourrisson, 1938, **26**: 233–9.—**Istaz, C., & Van Soest, G.** L'homogénéisation du lait. Rev. gén. lait, 1906–07, **6**: 241–8.—**Judkins, H. F.** Homogenizing efficiency test studies. J. Dairy Sc., 1943, **26**: 997–1010.—**Lavialle, P.** Le mouvement brownien dans le LH. Tr. Internat. Congr. Med., 1914, Sub-sect. III (a) Chem. Path., pt. 2, 101–3.—**Lyons, J.** The influence of mechanical treatment of milk and cream on the size distribution of the fat globules. Econom. Proc. R. Dublin Soc., 1946, **3**: 249–72.—**Mesquita Sampaio, E. A. de.** O batizamento do leite. São Paulo med., 1943, **16**: 233.—**Richmond, H. D.** The estimation of fat in HM. Analyst, Lond., 1906, **31**: 218.—**Towson, A. M., & Trout, G. M.** Some cooking qualities of HM; white sauces. Food Res., 1946, **11**: 261–73.

—— Homogenized milk: Nutritive value.

Blrk, W. Ueber Ernährungsversuche mit HM. Mschr. Kinderh., 1908, **7**: 129–32.—**Newman, B. M.** Milk made more digestible; homogenization eliminates separation of cream. Sc. Am., N. Y., 1941, **164**: 199–202.—**Stejskal, K. v., & Neuburger, C.** Ueber die Verwertung von HM im menschlichen Organismus. Wien. med. Wschr., 1934, **84**: 317–9.—**Wolman, I. J.** The present status of HM from the physician's point of view. J. Milk Techn., 1941, **4**: 276–80.

—— Infants'.

See subheading (Formula milk)

—— Iodized milk.

See also **Milk therapy**, Indications.

Bruger, M., & Silberbush, F. F. Metabolic studies in children fed milk from cows receiving synthetic thyroprotein. J. Clin. Endocr., 1946, **6**: 565–70.—**Gaiani, D.** Sull'azione della tintura di iodio nel latte. Ann. igiene, 1921, **31**: 414–8.—**Monroe, C. F.** The possibility of producing iodized milk. Bull. Ohio Agr. Exp. Sta., 1928, **13**: 153. Also Certif. Milk, 1929, **3**: No. 33, 11.

—— Irradiated milk [Abbrev.: irr. for irradiation, irradiated or equivalents]

See also **Milk (vitaminized)**

Moes, M. *Fütterungsversuche mit Ultravioletttbestrahlter Milch und mit Milch be-

strahlter Kühe [Kiel] 52p. 8° Neuhaus-Elbe, 1928.

Andrlik, L., & Kucera, C. L'influence de l'irr. par les rayons ultra-violets et l'administration de l'iode sur la valeur biologique du lait. C. rend. Soc. biol., 1933, **113**: 622–4.—**Aoki, S.** Sigaisen-syōsya gyūnyū ni yoru siro-nezumi siiku siken [Experiments on feeding albino rats with milk irr. with ultraviolet rays] Keiō igaku, 1931, **11**: 1107–21.—**Bentivoglio, G. C.** L'azione eutrofica degli alimenti irr.; ricerche sperimentali sul latte e note critiche. Clin. pediat., Mod., 1928, **10**: 221–54.—**Chouard.** Lait irradié. Ann. hyg., Par., 1949, **27**: 222–4.—**Dawkins, V., & Pattison, C. L.** Irr. milk; its effect on the blood. Lancet, Lond., 1926, **2**: 1314.—**Diemair.** Ueber den derzeitigen technichen Stand der Milchbestrahlung. Münch. med. Wschr., 1941, 88: 86 (Abstr.)—**Flake, J. C.** The source and character of a flavor produced in milk by ultraviolet and solar radiation. Summaries Doct. Diss. Univ. Wisconsin, 1940, **5**: 37.—**Gerber, N., & Hirschi, A.** Action des rayons ultraviolets sur le lait. Rev. gén. lait, 1905–06, **5**: 252.—**Gosselin, G.** L'irr. du lait. Bull. Ass. méd. fr. Amérique du Nord, 1937, **3**: 187.—**Halac, E. S.** Contribution à l'étude du traitement du rachitisme et de la tétanie par le lait irr. Bull. Soc. pédiat. Paris, 1926, **24**: 204–12. ——— & **Nassau, E.** Ueber die Heilung von Rachitis und Tetanie durch bestrahlte Milch. Zschr. ges. phys. Ther., 1925–26, **31**: 153–60. Also Rev. espec., B. Air., 1926, **1**: 1091–102. Also Arch. lat. amer. pediat., B. Air., 1927, 3. ser., **21**: 215–24.—**Heine.** Die Behandlung der Milch mit ultravioletten Strahlen. Deut. tierärztl. Wschr., 1929, **37**: 739.—**Heuss, H. v.** Ueber den wahrscheinlich sauren Charakter der geschlossen bestrahlten Vollmilch. Med. Welt, 1929, **3**: 1719.—**Hickman, J. O.** The irr. of milk. J. State M., Lond., 1930, **38**: 476–9.—**Hummel, F. C., Hunscher, H. A., & Macy, I. G.** Effect of irr. milks on storage of nitrogen and acid-base minerals in children. Am. J. Dis. Child., 1939, **58**: 753–67.—**Irr.** (L') du lait de consommation en Suisse. Gesundheit, Zür., 1942, **22**: 283–8.—**Lassablière, P.** Enquête et contribution expérimentale sur la valeur du lait irr. Bull. Acad. méd., Par., 1946, **130**: 371–4. Also Médecine, Par., 1946, **27**: No. 10, 7–10.—**Lesné, E.** Le lait actinisé. Bull. Acad. méd., Par., 1943, **127**: 564–6. ——— & **Didier-Hesse.** Façon dont se comporte le lait de vache irr. vis-à-vis de la présure et des ferments lactiques. C. rend. Soc. biol., 1930, **105**: 426.—**Randoin, L.** Le lait actinisé; recherches comparatives sur la teneur en vitamines dans le lait de vache ayant subi l'actinisation et dans le même lait n'ayant pas été soumis à ce traitement. Gesundheit, Zür., 1943, **23**: 459–70, ch.—**Rau, H., & Gruber, A.** Erfahrungen mit bestrahlter Frischmilch und Vigantol. Münch. med. Wschr., 1931, **78**: 274.—**Scheer, K.** Bestrahlte Frischmilch als Dauernahrung. Ibid., 1938, **85**: 1346.—**Schultz, O.** Untersuchungen über die Einwirkung ultravioletter Strahlen auf Milch. Zschr. Fleisch Milchhyg., 1926–27, **37**: 131; 183; 220. ——— Die Einwirkung der Ultraviolettstrahlung auf die Bakterienflora aktivierter Milchprodukte unter Berücksichtigung pathogener Keime. Deut. tierärztl. Wschr., 1927, **35**: 315–8.—**Sigai-sen** wo syōsya-seru musyū sinsen-naru gyūnyū (Takayama taiyō-nyū) [Ultraviolet-ray treated odorless fresh milk] Ika kikaigaku zassi, 1927–28, **5**: 439–41.—**Supplee, G. C., & Rentschler, H. C.** The value of the recording ultraviolet meter in the irr. of milk. Med. Rec., N. Y., 1935, **142**: 267; 316.—**Tanon, L.** Rapport au sujet du lait irr. Bull. Acad. méd., Par., 1946, **130**: 431.—**Trendtel.** L'importance de l'exposition du lait aux rayons ultra-violets pour l'industriel laitier d'après les résultats des recherches les plus modernes. Lait, 1929, **9**: 430–5.—**Vacek, T., & Vlček, J.** [Biological action of milk irr. by ultra-violet rays] Zvěr. obzor, 1940, **33**: zver. rozpr., 121–9.—**Vieilly, J., & Harder, J.** Actinisation du lait. Lait, 1937, **17**: 576; 707.—**Vollmer, H., & Lee, S.** Einfluss bestrahlter Kuhmilch auf die Sauerstoffzehrung isolierter Kalbsdarmzellen. Zschr. Kinderh., 1926, **42**: 574–7.—**Weckel, K. G.** Radiation and the microorganisms of milk. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 69–75. ——— & **Jackson, H. C.** Observations on the source of flavor in milk exposed for prolonged periods to radiation. Food Res., 1936, **1**: 419–26.—**[Wortmann]** Reichsgesundheitsführer Staatssekretär Dr. L. Conti besichtigt die Milchbestrahlungsanlage in Frankfurt am Main. Aerztebl. Hessen, 1940, 8: 124.

—— Irradiated milk: Poisoning.

Cardinali, G. L'azione tossica nel latte irr. Pediat. prat., Modena, 1934, **11**: 108–22.—**Degkwitz, R.** Ueber die toxische Wirkung ultravioletter bestrahlter Milch und anderer Substanzen. Münch. med. Wschr., 1928, **75**: 1631–4.—**Lombardo, F.** L'azione tossica del latte irr. Ann. igiene, 1929, **39**: 586–8.—**Reyher, P., & Walkhoff, E.** Ueber die toxische Wirkung ultravioletter bestrahlter Milch und anderer Substanzen. Münch. med. Wschr., 1928, **75**: 1071–3.

—— Irradiated milk: Vitamin content.

See also **Milk vitamin; Milk (vitaminized)**

GROTE, I. *Ueber den Vitamin-C-Gehalt ultraviolettbestrahlter Milch. 15p. 8° Greifsw., 1929.

Bach, H. Prophylaxie du rachitisme au moyen du lait irr. avec la lampe de quartz originale d'Hanau, système du docteur Scholl. Lait, 1929, **9**: 194–7.—**Boisselot, J., & Causseret, J.** Recherches expérimentales sur le lait de vache actinisé; influence de l'actinisation sur la teneur du lait en vitamine B_1 et en vitamine B_2. Bull. Soc. sc. hyg. aliment., Par., 1946, **34**: 176–8.—**Chicote, C.** Vitaminas y leche de vaca irr. Rev. san., Madr., 1942, **16**: 481–98.—**Falkenheim, C., & Kirsch, W.** Ueber die antirachitische Wirkung von Radiumemanation; Untersuchungen mit Radiumemanationskurmilch (Raëkumi) Zschr. Kinderh., 1932, **53**: 602–11.—**Génin, G.** L'augmentation des propriétés antirachitiques du lait par les radiations lumineuses. Lait, 1937, **17**: 47–9.—**Hottinger, A.** Ueber den Einfluss des ultravioletten Lichtes auf den C-Vitamingehalt der Milch. Klin. Wschr., 1927, **6**: 1793–7.—**Mouriquand, G. Leulier, A., & Schoen.** Lait irr. et rachitisme. Lait, 1928, **8**: 82–8.—**Reyher, P.** Ueber den Einfluss ultravioletter Strahlen auf den C-Vitamingehalt der Kuhmilch. Klin. Wschr., 1927, **6**: 455.—**Scheer, K.** Schädigt die Ultraviolettbestrahlung der Milch ihren Vitamin-C-Gehalt? Münch. med. Wschr., 1939, **86**: 603. ——— Antirachitische Heilkraft der bestrahlten Milch. Med. Klin., Berl., 1940, **36**: 721 (Abstr.) Also Röntgenpraxis, 1940, **12**: 471 (Abstr.) ——— Zwei Jahre Milchbestrahlung zur Rachitisbekämpfung in Frankfurt am Main. Med. Welt, 1942, **16**: 1069–72.—**Schroeder, H.** Die Einwirkung ultravioletter Strahlen auf den Vitamin C-Gehalt der Milch. Münch. med. Wschr., 1937, **84**: 1942. ——— Schädigt die Ultraviolettbestrahlung der Milch ihren Vitamin-C-Gehalt? [Discussion] Ibid., 1939, **86**: 821.—**Supplee, G. C., & Dow, O. D.** The effect of ultraviolet irr. on the antiscorbutic vitamin of liquid and of dry milk. Am. J. Dis. Child., 1931, **41**: 1353–62.—**Weckel, K. G.** Irr. and control of vitamin D in milk. Food Indust., 1941, **13**: No. 6, 43–6.

—— Malted milk [Abbrev.: MM for malted milk and Malzmilch]

See also **Milk product,** Dry milk.

HORLICK'S MALTED MILK CORPORATION [RACINE, WISC.] Basic nutrition in prophylaxis and therapy. 59p. 21cm. Racine, 1943.

Chocolate MM; 90 per cent. of wheat flour. Brit. Food J., 1942, **44**: 3.—**Felici, F.** La Kufeke nell'alimentazione dei bambini e degli adulti. Gazz. med. Roma, 1911, **37**: 201–4.—**Freudenberg, F.** Einige Worte über Horlick's MM. Reichs Med. Anz., Lpz., 1908, **33**: 64.—**Friedman, U. M.** [Malted milk] Hig. & zdorov., 1942, 7: No. 8, 18–20.—**Huët, G. J.** Over den invloed van malztropon op de samenstelling en de afscheiding van het zog. Ned. mschr. verlosk., 1912, **1**: 524–38.—**Kimball, H.** Malted milk. Private Hosp., N. Y., 1933, **1**: No. 8, 16.—**Malted** milk; fat deficiency. Brit. Food J., 1941, **43**: 33.—**Malted** milk; skimmed milk powder, dried malt extract, and flour. Ibid., 1940, **42**: 106.—**Richmond, G. F., & Musgrave, W. E.** The composition of Horlick's MM. Philippine J. Sc., 1908, **3**: Sect. A, 87–90.—**Rubinstein, J. I.** [The thermolability of MM] Hig. & san., Moskva, 1944, **9**: No. 3, 25–30.—**Tobey, J. A.** Therapeutic uses of MM. Med. Rec., N. Y., 1934, **140**: 18–20.

—— Mineralized milk.

Denigès, G. Le lait ferré et caramélisé. Gaz. sc. méd. Bordeaux, 1933, **54**: 372.—**Kemmerer, A. R., Elvehjem, C. A.** [et al.] The nutritive value and efficiency of mineralized milk. Am. J. Physiol., 1932, **102**: 319–24.—**Krauss, W. E.** Should the mineralization and vitaminization of milk become general? Bimonth. Bull. Ohio Agr. Exp. Sta., 1933, **18**: 126–9.—**Schoorl, I. P.** [Mineralization and vitaminization of milk] Ned. tschr. geneesk., 1935, **79**: 4887–91.

—— Perhydrase milk.

Much. Ueber Perhydrasemilch. Münch. med. Wschr., 1906, **53**: 1236. ——— & **Römer, P. H.** Ueber belichtete Perhydrasemilch. Berl. Klin. Wschr., 1906, **43**: 1004; 1041.

—— Protein-poor milk.

Arloing, F., & Delore, P. Lait décaséiné et anaphylaxie digestive. C. rend. Soc. biol., 1928, **99**: 1987–9.

—— Protein-rich milk.

Benjamin, M. Klinische und poliklinische Erfahrungen mit Tricalcol-Caseinmilch. Arch. Kinderh., 1915, **64**: 204–34.—**Castellanos, A.** Consideraciones sobre las leches albuminosas. Bol. Soc. cubana pediat., 1934, **6**: 265–77.—**Darrow, D. C., Martins da Silva, M., & Stevenson, S. S.** Production of acidosis in premature infants by protein milk. J. Pediat., S. Louis, 1945, **27**: 43–58.—**Gómez Aguado.** Pretendidos sucedáneos de la leche albuminosa. Nipiologia, Nap., 1924, **10**: 79.—**Grossmann, F.** Die Anwendung der Eiweissmilch ambulanten Kranken. Pest. med. chir. Presse, 1914, **50**: 217–20.—**Heim, P., & John, K. M.** Ueber die Verwendbarkeit caseinangereicherter Kuhmilch; theoretische Ueberlegungen. Zschr. Kinderh., 1912, **4**: Orig., 1–31.—**Hotz, A.** Erfahrungen mit Eiweissmilch in Pulverform bei der Behandlung von Ernährungsstörungen des Säuglings und des Kleinkindes und in der Zwiemilchernährung. Praxis, Bern, 1945, **34**: 240–5.—**Meulemans, I. O., & Haas, J. H. de.** Eenvoudige bereiding van eiwitmelk; modificeren van samenstelling van zure melk. Mschr. kindergeneesk., 1947, **15**: 313–21.—**Montagna, C. P., & Waisman, G.** La mezcla láctea Escudero hiperprotéica. Rev.

Soc. puericult. B. Aires, 1944, **10**: 346; 1945, **11**: 64.—**Virasoro, J. E.** Tipo de leche albuminosa de fácil preparación y costo reducido. Prensa méd. argent., 1934–35, **21**: pt 1, 1208–10.

—— Reconstituted milk [Abbrev.: RM for reconstituted milk]

Emerson, H., Johnson, F. E. [et al.] Reconstituted mllk. Bull. N. York Acad. M., 1942, **18**: 488.—**Hauser, G. H., & King, W. H.** The problem of RM. Am. J. Pub. Health, 1947, **37**: 1284–90.—**Randall, R.** Bacteriological, chemical, and biological studies of RM. Philippine J. Sc., 1933, **52**: 219–35. ——— RM and its adaptability for use in the military service. Vet. Bull., Wash., 1934, **28**: 130–8.—**Reconstituted** and sophisticated milk. Brit. M. J., 1934, **2**: 519.—**Stenberg, A. I.** [Restoration of milk from milk products] Hig. & san., Moskva, 1944, **9**: No. 7, 26–9.

—— Sugar-poor milk.

Lauritzen, M. Ueber Williamson's Milch für Diabetiker. Zschr. diät. phys. Ther., 1899, **3**: 220–3.—**Lehndorff, H., & Zak, E.** Eine einfache Methode zur Darstellung einer zuckerarmen Milch. Wien. med. Wschr., 1910, **60**: 1930–2.—**Tracy, P. H., & Corbett, W. J.** Preparation and use of low-lactose milk. Food Res., 1939, **4**: 493–8.

—— Sweetened milk.

See also **Milk product,** Condensed milk.

Goudswaard, A. Onderzoek op vreemde suiker in melk. Pharm. tschr. Ned. Indië, 1929, **6**: 240.—**Lavialle.** Sur les propriétés du lait hypersucré. Tr. Internat. Congr. Med. (1913) 1914, Sect. 5, Ther., pt 2, 77.—**Lecoq, R.** Influence de l'écrémage et de l'addition de glucides variés sur la valeur alimentaire du lait de vache. Presse méd., 1934, **42**: 1597–9.—**Uzan, M.** Essais cliniques sur le sucrage du lait destiné à l'alimentation des nourrissons. Médecin chez lui, 1938, **15**: No. 8, 19–25.

MILK nutrition.

Abbrev.: alim. for alimentation and equivalents.

See also **Milk beverage; Milk consumption; Milk therapy,** dietetic.

Bottazzi, F. Il latte. p.201–59. 25cm. Bologna, 1934.

Q. nutriz., Bologna, 1934–35, **1**:

France. Journée d'études sociales. Le lait dans l'alimentation humaine. 74p. 22½cm. Troyes, 1934.

Kroon, H. M. De koemelk als voedingsmiddel; de behandeling op de boerderij, bij den melkhandelaar en bij den consumenten. 54p. 8°. Deventer, 1905.

Nutrition pamphlet, No. 4: Milk and milk products. 8p. 21cm. Canberra, 1939.

Alarcón, A. G. El lugar de la leche en la alim. Prensa méd. mex., 1944, **9**: 151–3.—**Bottazzi, F.** Il latte e i suoi derivati nell'alim. umana. Rass. clin. sc., 1932, **10**: 345–56.—**Calder, W. B.** Milk; a food for thought. J. R. San. Inst., 1947, **67**: 259–65.—**Carles, P.** A propos du lait aliment. Gaz. sc. méd. Bordeaux, 1905, **26**: 500.—**Eddy, W. H.** New facts about old foods. Annual Rep. Pennsylvania Ass. Dairy & Milk Insp., 1933, **9**: 95–102.—**Gaucher, L.** De l'emploi des sérums anticoagulants dans l'alimentation lactée. C. rend. Ass. fr. avance. sc. (1912) 1913, **41**: 783–8.—**Godlewski, H.** Le régime lacté, sa faveur présente et passée. J. méd. fr., 1933, **22**: 4–8.—**Gorini, C.** Studi sull'alim. e la nutr.; contro lo sperpere e per la migliore utilizzazione del latte fra l'uomo e gli animali domestici. Arch. sc. biol., Bologna, 1930–31, **15**: 586–610.—**Hay, W. H.** Milk. Hay System News, 1936–37, **3**: No. 7, 2.—**Herz.** Die Milch als Nahrungsmittel und Getränk. Molkereiztg, 1906, **16**: 399–401.—**Hiemesch, B.** Unsere Nahrungsmittel, die Milch. Med. f. Alle, Wien, 1906, **1**: 83; passim.—**Labbé, H., & Labbé, H.** Le lait. Infirm. fr., 1925–26, **3**: 532–43.—**Lauridsen, C.** La leche en la alim. humana. Rev. zootécn., B. Air., 1936, **23**: 203–7.—**McLester, J. S.** Milk. In his Nutr. & Diet, 4. ed., Phila., 1943, 165–75.—**Marre, F.** Le lait au Congrès de l'aliment pur (Genève, 5–12 septembre 1908) Rev. hyg., Par., 1908, **7**: 466–71.—**Messerli, F. M.** Le lait et ses dérivés dans l'alim. Schweiz. Zschr. Hyg., 1931–32, **11**: 766–76.—**Milch** (Die) in Volkswirtschaft und Volksernährung. Deut. Aerztebl., 1937, **67**: 850.—**Milch** oder Alkohol. Naturheilkunde, Bern, 1948, **45**: 125.—**Milk** and meat in the food supply. Pub. Health Rep., Wash., 1920, **35**: 994–6.—**Milk** and nutrition. Brit. Food J., 1939, **41**: 38.—**Monvoisin.** La leche alim. Tribuna méd. (Chile) 1926, **20**: 371; passim.—**Müller-Lenhartz.** Milch und Milcherzeugnisse in der menschlichen und tierischen Ernährung. Deut. tierärztl. Wschr., 1949, **56**: 7.—**Sansonetti, P.** L'alim.; il latte. Forze san., Roma, 1933, **2**: 587–90.—**Soper, H. W.** Milk. Am. J. Digest. Dis., 1935–36, **2**: 113–6.—**Thieulin, M. G.** Le lait et ses dérivés dans l'alim. de l'homme. Nourisson, 1934, **22**: 296–301.—**Toledo y Toledo, E.** El destete y su régimen. Rev. espec. méd. Madr., 1907, **10**: 605–10.—**Wauters, J.** Les denrées alim. pendant la guerre; le lait. Ann. Soc. sc. Bruxelles, 1919, 57–65.—**Ziegelmayer, W.** Ein neues Volksnahrungsmittel. Umschau, 1933, **37**: 115.

—— Adults.

Cornwall, E. E. Milk as a food for human adults. Tr. Am. Ther. Soc. (1930) 1931, **30**: 92–100. ——— Milk for men. Med. Times, N. Y., 1934, **62**: 14–6.—**Richet, C., & Chapu.** Le régime lacté chez l'adulte. Méd. libre, Par., 1948, **22**: No. 5, 3–16.

—— Artificial feeding of infants.

See also **Infant nutrition,** Milk; **Milk modification,** Formula milk.

Baptista, V. O problema do leite infantil. São Paulo méd., 1929–30, **2**: 447–54.—**Borošová, A.** O význame mlieka pri výžive dietata. Boj o zdrav., Bratisl., 1949, **24**: 138.—**Castellanos Fonseca, E.** La leche de cabra en el alim. infantil. Rev. cubana pediat., 1948, **20**: 493–6. ——— La leche de cabra en la alim. del lactante. Ibid., 1949, **21**: 8–23.—**Chick, H.** The nutr. value of cow's milk for infants. Rev. internat. enf., Genève, 1929, **7**: 336–41.—**Crépin, J., & Crépin, P.** Sur le lait, aliment du premier âge; le lait dans la pratique actuelle de l'allaitement. Progr. méd., Par., 1929, **44**: 1453–8.—**Feer, E.** La quantité exigée de lait de vache dans l'alim. du nourrisson sain. Rev. belge puériculT., 1937, **2**: 1–5.—**Fortier, D.** De l'emploi de différents laits en diététique infantile. Laval méd., 1944, **9**: 588–611.—**Freudenberg, E.** Ueber Säuglingsernährung mit Stutenmilch. Ann. paediat., Basel, 1948, **171**: 49–64.—**Hörmann, G.** Ueber den Einfluss verschiedener Milchnahrungen auf den Säuglingskot und seine Bakterienflora. Arch. Kinderh., 1940, **119**: 17–27. Also Münch. med. Wschr., 1940, **87**: 381 (Abstr.)—**Hoobler, H. R.** Milk for babies. Alameda Co. Pub. Health News, 1926, **4**: No. 6, 11.—**Kohn, R.** Les laits utilisés dans l'alim. du nourrisson. Santé pub., Par., 1947, **2**: No. 10, 2.—**Kühl, H.** Beitrag zur Milchernährung des Säuglings. Pharm. Zhalle, 1912, **53**: 555–7.—**Lesné, E.** Sur la necessité de modifier la technique de l'allait. artif. et des régimes lactés en raison du règlement récemment mis en vigueur concernant le taux butyreux du lait. Bull. Acad. méd., Par., 1942, **126**: 93.—**Liscovich, L.** Nueva orientación en la interpretación clínica de la infancia; el empleo de la leche de vaca en el lactante. Arch. pediat. Uruguay, 1945, **16**: 487–91.—**Mathaeussen, P.** Maelk til spaedbørn. Forh. Grønland. landsraad., 1948, 145–7.—**Murata, K.** Gyūnyū nyūseihin no bonyū daiyō tosite no tukai-miti ni kan-suru kenkyū; honpō gyūnyū ni kan-suru kenkyū [Studies on the use of cow's milk and milk products as substitutes for mother's milk; studies on cow's milk in Japan] Nippon eisei kagakkai si, 1937, **5**: 423–53.—**Pikler, L.** Une théorie physico-chimique de l'allait. artif. Lait, 1938, **18**: 681–98.—**Platt, B. S.** Nutritional comparison of human and cow's milk for infant-feeding. Brit. M. Bull., 1947, **5**: 177–81.—**Rehm, E.** Die Kuhmilch als Säuglingsnahrung. Abh. Naturhist. Ges. Nürnberg, 1877, **6**: 79–100.—**Roberson, C.** Modification of cow's milk in infant feeding. Tr. M. Soc. N. Carolina, 1905, **52**: 309–16.—**Rohmer, P.** Sur l'emploi rationnel des laits industriels dans l'alim. du nourrisson. Concours méd., 1943, **65**: 103–6.—**Stoeltzner, W.** K-Milch als Säuglingsnahrung. Arch. Kinderh., 1946–47, **133**: 85–9.—**Sugiyama, S.** Nyūzi-in-nai hoiku no kihon-teki mondai [Basic problems of nursing in infant institutes] Zika zassi, 1940, **46**: 1080–2.—**Terrien, E.** Du choix d'un lait chez le nourrisson. J. prat., Par., 1941, **55**: 106; 120.—**Vignec, A. J., McNamara, H., & Barnett, H. L.** Usc of a supplemented milk for infant feeding. Am. J. Dis. Child., 1948, **76**: 154–68.—**Whately, M. T.** Régua de leite. J. pediat., Rio, 1945, **11**: 262–6.—**Wilsdorf, P.** A propos de la lutte contre la mortalité infantile et de l'utilisation des laits de régime. Méd. inf., Par., 1946, **53**: 213–9.—**Yamada, S.** Kyōto-tihō kenkō nyūyōzi no hukunyū ni tuite [Milk for healthy nursing infants in the district of Kyōtō] Zika zassi, 1932, 1477–84.—**Yokoi, H.** Bonyū eiyōzi no rinyū zissi seiseki [Results of putting infants brought up on their mother's milk on other milk] Nagoya igakkai zassi, 1943, **57**: 679.

—— Balanced food.

Crumbine, S. J., & Tobey, J. A. The most nearly perfect food; the story of milk. 292p. 12°. Balt., 1929.

Metropolitan Life Insurance Company. Milk, an all-round food. 8p. 19½cm. N. Y., 1941.

Gálvez Gómez, A. La leche, el alim. completo. Crón méd. quir. Habana, 1939, **65**: 768–88.—**Jacquot, R.** Le lait de vache; est-il un aliment équilibré pour tous les mammifères? C. rend. Acad. sc., 1933, **197**: 1755–7.—**Kerckhoff, D.** Milk more than any other single food meets the nutritional needs of the body. Certif. Milk, 1941, **16**: No. 188, 9.—**Lecoq, R.** Le lait envisagé comme aliment complet et biologiquement équilibre. Bull. Soc. sc. hyg. aliment., Par., 1930, **18**: 481–509.—**Randoin, L.** Etude comparative des rapports et équilibres alim. caractérisant le lait de vache, le lait de femme (alim. normale du nourrisson) et la ration équilibrée normale de l'adulte. Bull. Acad. méd., Par., 1941, **125**: 113–5.—**Reed, O. E.** Impress consumers that milk

is the best food we have. Certif. Milk, 1942, **17**: No. 190, 5.—**Sala, A.** L'adattamento del latte di mucca alla nostra alim. Riv. Soc. ital. igiene, 1937, **59**: 75–9.

—— Cardiovascular effect.

Colombo, C. Influenza del regime latteo assoluto sulla circolazione del sangue. Riforma med., 1904, **20**: 1215–8.—**Isibasi, S.** [The action of milk on the heart of Rana esculenta and Bufo vulgaris] Sei i kai M. J., 1911, **30**: 1–10.—**Lussana, F.** Action du lait et de ses constituants sur le cœur isolé de grenouille et de tortue. Arch. ital. biol., 1912–13, **57**: 1–21.

—— Children.

See also subheading (School children)

Gaing, E. *La leche y sus propiedades biológicas; contribución al estudio de la alim. infantil. 87p. 26½cm. B. Air., 1904.

Haas, J. H. de, & Meulemans, I. O. Melk in het bijzonder als zuigelingenvoedsel. 104p. 24½cm. Batavia, 1940.

United States. Children's Bureau. Studies of use of milk by families having little children. 4p. 8° Wash., 1918.

Abhayaratna, O. E. R. Value of milk in childhood. Ceylon Health News, 1945, **11**: No. 5, 6–8.—**Christiansen, J.** En liter maelk daglig til børn. Ugeskr. laeger, 1945, **107**: 10.—**Fouassier, M.** Etude sur le lait de grand ramassage dans ses rapports avec l'alim. infantile. Lait, 1932, **12**: 148–52.—**Garrahan, J. P.** La leche como alim. del niño. Arch. argent. pediat., 1945, **23**: 123–35.—**Lassablière, P.** Les critères du bon lait dans l'alim. actuelle des enfants du premier âge. Rev. path. comp., Par., 1942, **42**: 58–76.—**Levi, K.** Art und Umfang regelmässigen Milchgenusses im Kindesalter. Münch. med. Wschr., 1927, **74**: 1545.—**McKay, H.** Milk in the diets of young children. Bimonth. Bull. Ohio Agr. Exp. Sta., 1932, No. 157, 135.—**Major, W.** Notions générales sur les différents laits dans l'alim. de l'enfant. Ann. méd. chir. Hôp. S. Justine Montréal, 1942, **4**: 144–51.—**Miegeville.** Lait de vache et alim. de l'enfance. Maroc méd., 1948, **27**: 51.—**Nádvorník, F.** Mléko pro kojence. Prakt. lék., Praha, 1946, **26**: 484.—**Růžička, S.** Příspěvek k výživě kojenců okyseleným mlékem. Cas. lék. česk., 1944, **83**: 720–3.—**Sánchez González, J.** Un aspecto de la alim. infantil en México y el problema de la leche. Asistencia, Méx., 1943, No. 20, 9–30.—**Siegl, J.** Ueber die Bedeutung der Milch in der Ernährung des Kindes. Wien. med. Wschr., 1936, **86**: 512–4.—**Simoda, Y.** Eiyō huryō zi ni taisuru milk lunch ni tuite [Milk lunches for the poorly-nourished children] Nippon gakkō eisei, 1930, **18**: 134–6.—**Sterling, E. B.** The milk feeding of children. Pub. Health Rep., Wash., 1929, **44**: 957–64.—**Teyschl, O.** Mléko pro kojence. Prakt. lék., Praha, 1946, **26**: 223–5.—**Utheim Toverud, K.** [The place of milk in the diet of children] Norsk. mag. laegevid., 1936, **97**: 538–51.—**Welch, S. H., & Fite, J. H.** Lantern slide discussion of milk; for the general practitioner and the mother. Arch. Pediat., N. Y., 1926, **43**: 514–32.

—— Curd tension of milk.

Espe, D. L., & Dye, J. A. Effect of curd tension on the digestibility of milk. Am. J. Dis. Child., 1932, **43**: 62–9.—**Nutritional** (The) significance of the curd tension of milk. J. Am. M. Ass., 1937, **108**: 2040.—**Relation** of curd tension to the digestibility of milk. Ibid., 2122.

—— Deficiency of milk.

See also **Milk defect.**

Becker, J. E., & McCollum, E. V. The nature of dietary deficiencies of milk. Am. J. Hyg., 1930, **12**: 503–10.—**Daniels, A. L., & Hutton, M. K.** Mineral deficieneies of milk as shown by growth and fertility of white rats. J. Biol. Chem., 1925, **63**: 143–56.—**Glanzmann, E.** Experimentelle Untersuchungen über die Nahrungsdefekte der Kuhmilch und verschiedener Milchpräparate. Zschr. Vitaminforsch., Bern, 1934, **3**: 2–27, 3 pl.—**Van Donk, E. C., Steenbock, H., & Hart, E. B.** The nutritive deficiency of milk with specific reference to manganese, energy and pituitary relations. Am. J. Physiol., 1933, **103**: 468–79.

—— Dental aspect.

Boitel, W. Le lait. Schweiz. Mschr. Zahnh., 1933, **43**: 760–9.—**Hecht, C. E.** Milk. Dent. Mag., Lond., 1932, **49**: 592–600.—**Hopkins, F. B.** Milk in relation to sound teeth. Commonhealth, Bost., 1938, **25**: 332–5.—**Sprawson, E.** Children's dentistry and raw milk. Dent. Mag., Lond., 1932, **49**: 1157–63.

—— Digestibility [Abbrev.: D for digestibility and equivalents]

See also other subheadings; also **Milk pasteurization; Milk** (raw)

Turner, A. W. *Digestibility of milk as affected by various types of treatment [Illinois 1942; Ph. D.] 9p. 27cm. [Champaign, Ill.?] 1945.

Repr. from Food research, 1945, **10**: 52–9.

Bruynoghe, R. D des alim. lactés. Rev. gén. lait, 1906–07, **6**: 411; passim.—**Escudero, P.** Estudio comparativo de la D del metabolismo de los glúcidos, protéidos y lípidos de la leche humana y de la mezcla láctea Escudero. In: Libro de oro M. R. Castex, B. Air., 1940, **1**: 423–9.—**Ghoneim, A., & El-Katib, M. T.** D of cow's and buffalo's milk. Nature, Lond., 1947, **159**: 273.—**Hougardy, A.** Recherches sur la D du lait. Ann. Soc. méd. chir. Liége, 1905, **44**: 425–8.—**Jensen, O., & Spur, B.** [D of fresh and sour milk] Ugesk. laeger, 1924, **86**: 655.—**Mortenson, F. N.** The D of milk in vivo as affected by certain physical treatments. J. Sc. Iowa Coll., 1933–34, **8**: 211.—**Wallen-Lawrence, Z., & Koch, F. C.** The relative D of unsweetened evaporated milk, boiled milk and raw milk by trypsin in vitro. Am. J. Dis. Child., 1930, **39**: 18–33.

—— Digestion [Abbrev.: D for digestion and equivalents]

Bélovodsky, O. *Signification physiologique du phénomène de caséification gastrique du lait. 32p. 8° Lausanne, 1908.

Doan, F. J., & Dizikes, J. L. Digestion characteristics of various types of milk compared with human milk. 18p. 23cm. State College, 1942.

Arthus, M. Sur la caséification gastrique du lait. Arch. fisiol., Fir., 1909, **7**: 268–75. ——— Etudes sur la D du lait. Arch. internat. physiol., Liége, 1921, **18**: 133–46.—**Bulkley, L. D.** Absorption versus D of milk. J. Am. M. Ass., 1898, **31**: 1449–52.—**Caussade, L., & Neimann, N.** Le lait, sa D chez le nourrisson. Strasbourg méd., 1936, **96**: 283.—**Fetter, D.** Studies on the D of milk in vivo. Rev. Gastroenter., N. Y., 1941, **8**: 120–7. ——— & **Schlutz, F. W.** D of milk and of modified milk in vitro; in vivo. Am. J. Dis. Child., 1935, **50**: 1101; 1107.—**Gaucher, L.** Sur la D du lait. Rapp. Caisse rech. sc. (France) (1909) 1910, 64–6. ——— Recherches sur la D du lait; D gastrique du caséum. C. rend. Soc. biol., 1912, **72**: 354.—**Gerlier, C.** Sur la coagulation gastrique des laits citratés et fluorés. Ibid., 1909, **66**: 719–21.—**Kugelmass, I. N.** Milk D; mechanism and modification. N. York State J. M., 1937, **37**: 652–6.—**Lovati, V.** Ricerche sull'azione dei fermenti proteolitici nella D lattea. Tribuna med., Milano, 1908, **14**: 321–7.—**Tobler.** Ueber Magenverdauung der Milch. Deut. med. Wschr., 1906, **32**: 1645. ——— & **Bogen, H.** Ueber die Dauer der Magenverdauung der Milch und ihre Beeinflussung durch verschiedene Faktoren. Mschr. Kinderh., 1908–09, **7**: 12–28.—**Wolman, I. J.** Gastric phase of milk D in childhood. Am. J. Dis. Child., 1946, **71**: 394–422.

—— Effect of saliva.

Trachtmann, L. *Action de la salive sur le lait. 22p. 8° Lausanne, 1911.

—— Exclusive feeding.

Krauss, W. E. Studies on the nutritive value of milk; the deficiencies of an exclusive milk diet and how to overcome them. 54p. 8° Wooster, 1931.

Forms No. 477, Bull. Ohio Agr. Exp. Sta.

Arthus, A. Alim. exclusive chez le rat par des laits en poudre de même origine mais la richesse crèmeuses différentes. Bull. Soc. sc. hyg. aliment., Par., 1936, **24**: 218–27.—**Colombo, K.** Wirkung des absoluten Milchregimes auf den Blutdruck. Zbl. phys. Ther., 1904, **1**: 98–103. Also Zschr. diät. phys. Ther., 1904, **8**: 355–60.—**Hernández Rubio, M.** Síndromes clínicos del lactante determinados o favorecidos por una alim. láctea exclusiva o predominante. Actual. méd., Granada, 1946, **32**: 270–94.—**Krupski, A., Almásy, F., & Ulrich, H.** Kommt es bei reiner Milchfütterung zu einem Milchnährschaden beim Kalb? Schweiz. Arch. Tierh., 1942, **84**: 466–74.—**Neff, A.** Exclusive milk and gelatinated milk diets. Med. J. & Rec., 1928, **128**: 67.—**Terrell, W. W.** Exclusive milk diet for twelve years. Tr. M. Ass. Georgia, 1908, **59**: 387.—**Volpino, G., & Buda, L.** L'alim. lattea esclusiva nelle cavie. Arch. ital. med. sper., 1939, **4**: 769–80.—**Zagami, V.** Contributo sperimentale alla conoscenza degli effetti dell'alim. lattea esclusiva. Boll. Soc. biol. sper., 1926, **1**: 228–31. ——— Sugli effetti dell'alim. lattea esclusiva. Arch. sc. biol., Nap., 1926–27, **9**: 379–97, ch.

—— Experiments.

Schrape, W. J. *Experimentelle Beiträge zur Ernährung tierischer Säuglinge mit arteigner und artfremder Milch [Leipzig] 82p. 8° Dresd., 1912.

Elderton, E. M. The Lanarkshire milk experiment. Ann. Eugen., Cambr., 1933, **5**: 326–36.—**McCollum, E. V., & Hart, E. B.** Experiments in feeding dissected milk. Proc. Am. Soc.

Biol. Chem., 1912, p. xvi.—**Milk** and nutrition; new experiments reported to the Milk Nutrition Committee. Analyst, Lond., 1937, **62**: 463–5.—**Pearson, K.** Appendix to Dr. Elderton's paper on the Lanarkshire milk experiment. Ann. Eugen., Cambr., 1933, **5**: 337–63.—**Pfaundler, M., & Schübel, K.** Verdauungsversuche am Dünndarm junger Ziegen bei Einverleibung arteigener und artfremder Milch. Zschr. Kinderh., 1921, **30**: 55–78.—**White, P.** Statistical appendix. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 64–6.

—— Galactagogue effect.

Arcelli, A. L'azione galattofora dei principi attivi del latte. Clin. med., Fir., 1907, **13**: 781–98.—**Duncan, C. H.** Milk as a galactogogue. N. York M. J., 1918, **108**: 575.—**Sica, A. J., Cerecedo, L. R., & Vinson, L. J.** The beneficial effects of milk on lactation in rats maintained on purified diets. Fed. Proc., Balt., 1947, **6**: 421.

—— Gastrointestinal effect.

See also other subheadings (Pathological effect: Dyspepsia)

Meyer, O. B. Ueber die Wirkungen von Frauen- und Kuhmilch auf glatte Muskulatur. Münch. med. Wschr., 1919, **66**: 315–8.—**Rehm, W. S., & Enelow, A. J.** A study of the alleged effect of milk on the human gastric potential and a description of a new method for measuring the potential. Gastroenterology, 1944, **3**: 306–13.—**Schlutz, F. W., & Fetter, D.** Effect of milk and modified milk on gastric contractions. Am. J. Dis. Child., 1933, **45**: 480–5.—**Xavier, A. A., & Pacheco, G.** Acção do leite fresco-crú ou fervido, e do leite fermentado, sobre o intestino perfundido segundo o methodo de Cohnheim-Magnus. Mem. Inst. Oswaldo Cruz, 1938, **33**: 441–53.

—— Growth effect.

Great Britain. Milk Nutrition Committee. Milk and nutrition, pt 4: The effects of dietary supplements of pasteurised and raw milk on the growth and health of school children (final report) 70p. 25cm. Shinfield, 1939.

Belle, G. Recherches sur la croissance des mammifères, ses relations avec la composition chimique du lait de la mère. Lait, 1931, **11**: 337; passim.—**Cohen, S. A.** Your child's growth and development. Certif. Milk, 1938, **13**: No. 149, 3; passim.—**Effects** (The) of dietary supplements of pasteurised and raw milk on the growth and health of school children. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 2, 1–34.—**Hart, E. B.** Making milk a complete food for growth. Certif. Milk, 1934, **9**: 5–8.—**Henry, K. M., & Kon, S. K.** Raw and commercially pasteurised milks as sources of calcium and phosphorus for the growing rat. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 9–31, pl., 7 tab.—**Kohler, G. O., Elvehjem, C. A., & Hart, E. B.** Further studies on the growth promoting factor associated with summer milk. J. Nutrit., 1937, **14**: 131–44.—**MacNair, V., & Roberts, L. J.** Effect of a milk supplement on the physical status of institutional children; ossification of the bones of the wrist. Am. J. Dis. Child., 1938, **56**: 494–509.—**Pacheco, G., & Xavier, A. A.** Influencia do leite puro ou fermentado sobre a curva do peso. Mem. Inst. Oswaldo Cruz, 1938, **33**: 437–40.—**Roberts, L. J., Blair, R.** [et al.] Effect of a milk supplement on the physical status of institutional children; growth in height and in weight. Am. J. Dis. Child., 1938, **56**: 287–300.—**W.** Der Einfluss von roher und von erhitzter Milch auf Wachstum und Stoffwechsel. Schweiz. med. Wschr., 1937, **67**: 1052.—**Waddell, J., Steenbock, H., & Hart, E. B.** Growth and reproduction on milk diets. J. Nutrit., 1931, **4**: 53–65.

—— Health value.

Carrasco T., S. Leche y salud humana. Rev. méd. Chile, 1940, **68**: 862–8.—**Cohen, S. A.** Milk and your health. Med. Searchlight, 1937, **13**: No. 3, 8–10.—**Dastur, N. N.** Milk in relation to health. Current Sc., Bangalore, 1942, **11**: 294–6.—**Forsgren, E.** Om naturkost, industrikost och mjölkens betydelse för folkhälsan. Kvartalsskr. Sven. nat. fören. tuberk., 1938, **33**: 13–6.—**Hart, E. B.** Milk in national health. Wisconsin M. J., 1942, **41**: 553–7.—**Hausser, G.** La distribution du lait peut-elle prévenir les maladies professionnelles? Arch. mal. profess., Par., 1938, **1**: 34–7.—**Hucks, F.** The milky way to health. Health, Toronto, 1941–42, **9**: No. 4, 11.—**Kimball, H.** The health value of milk in the diet. N. York Physician, 1934, **2**: No. 2, 16; 17; 24.—**Leite** (O) e a saúde popular. Impr. med., Rio, 1941, **17**: No. 329, 124; 1943, **18**: No. 349, 152.—**Lesson** in diet. Good Health, 1927, **62**: No. 4, 6.—**Levine, V. E.** Milk; a protective food. Food Facts, Los Ang., 1927, **3**: No. 5, 17.—**McHenry, E. W.** Milk; the protected, protective food. Canad. Pub. Health J., 1941, **32**: 143–6.—**Pisek, G. R.** Milk as a factor in the promotion of public health. N. York State J. M., 1913, **13**: 25–7.—**Sherwood, F. W.** What is in a quart of milk? Health Bull., Raleigh, 1942, **57**: No. 11, 11.—**Spalding, M.** Milk for the whole family. Commonhealth, Bost., 1938, **25**: 323–30.—**Townsend, J. G.** Milk as a factor in the nation's health. Nation's Health, Chic., 1922, **4**: 60–4.—**Vos, F.** Gemeentelijk melkbedrijf. Tschr. sociale geneesk., 1924, **2**: 243.

—— Hematopoietic effect.

See also subheading (Pathological effect: Anemia)

Frost, D. V. Factors for hematopoiesis in dogs on milk diets. Summaries Doct. Diss. Univ. Wisconsin, 1940, **5**: 156–8.—**Schern, K., & Gorli, B. E.** Como se comportan los eritrócitos de cobayo y de perro frente a las leches crudas, pasteurizadas y hervidas. Bol. Asist. pûb. nac., Montev., 1930, **20**: 296–301.

—— Importance.

Chevalier, R. L'importance du lait et des produits laitiers dans l'alim. humaine. Econom. hôp., Par., 1947, **16**: No. 97, 16; passim.—**Gabbano, L.** Importanza del latte nell'alim. umana. Igiene mod., 1932, **25**: 175–83.—**Hemmerdinger, A.** Le lait dans l'alim. des malades et des bien portants. In: Le lait (France. Journée ét. social.) Troyes, 1934, 36–8.—**Josephson, E. M.** Milk is not essential in diet after infancy. In his Your Life is Their Toy, N. Y., 1940, 93.—**Noel, M. B.** Milk, the indispensable food. Health, Mount. View, 1941, **8**: No. 11, 16.—**Orla-Jensen.** Sur l'importance du lait et des produits laiters dans la nutr. humaine. Lait, 1925, **5**: 554–62.—**Thomen, A. A.** Up to what age is milk essential to one's diet? In his Doctors don't believe it, N. Y., 1941, 7–9.—**Wendt, G. von.** L'importance du lait pour l'alim. humaine. Lait, 1939, **19**: 430.

—— Industrial workers.

Defelice, V. La leche; su acción profiláctica en la industria. An. Conv. méd. indust., B. Air. (1944) 1946, 2. Conv., 298–314. ——— Su acción profiláctica en los obreros que trabajan en la manipulación del plomo y sus derivados. Ibid., 314–22.—**Hult, M.** Milk is health insurance; industrial milk services pay big dividends. Certif. Milk, 1942, **17**: No. 193, 11.—**Lockhart, L. P.** The importance of milk in industry. Med. Press & Circ., Lond., 1937, **195**: 499–501.—**Wilson, C., & Speaks, C.** Milk used in war for greater efficiency. Certif. Milk, 1942, **17**: No. 197, 11.

—— Metabolic effect.

Gardner, J., Neal, A. L. [et al] Biotin, pantothenic acid, and riboflavin balances of young women on a milk diet. J. Am. Diet. Ass., 1943, **19**: 683.—**Kōndo, T.** [Experimentell-pathologische Untersuchung über die intravasculäre Fettverdauung bei Kuhmilch] Jap. J. M. Sc., Path., 1941–42, **6**: Suppl., 14 (Abstr.)—**Morii, S., Chang, F. S., & Taue, Y.** Kakusan oyobi sono bunkai-sanbutu no syuzyu zōki ni okeru bunkai ni tuite; gyūnyū ni yoru kakusan oyobi sono bunkai-sanbutu no sankabunkai ni tuite [The analysis of nucleic acid and the products of its decomposition in various (bodily) organs; the decomposition by oxidation of nucleic acid and its products caused by milk] Nippon igaku, 1944: 277–80.—**Schnütgen.** Ueber Ernährung mit eisenhaltiger Kuhmilch. Berl. klin. Wschr., 1907, **44**: 1502–5.—**Shendrikovsky, V. D., & Dombrovsky, I. M.** O vlijanii konjaka na usvoenie azota i žira i obmen veščestv pri moločnoj diete u zdorovykh ljudej. Vrach, 1894, **15**: 1121.—**Terroine, E. F., & Mendler, A. M.** De l'influence de l'adjonction d'aliments ternaires au lait sur la grandeur de la rétention azotée au cours de la croissance. C. rend. Acad. sc., 1925, **181**: 1176–9.

—— Metabolic effect: Calcium.

See also **Milk constituents,** Calcium.

Breiter, H., Mills, R. [et al.] The utilization of the Ca of milk by adults. J. Nutrit., 1941, **21**: 351–62.—**Budde, O.** Einfluss der Verdauung auf den Lösungszustand von Kalk und Phosphat der Milch. Mschr. Kinderh., 1930, **47**: 511–6.—**Coward, K. H., Kassner, E. W., & Waller, L. W.** The availability of the Ca of milk. Brit. M. J., 1943, **2**: 39.—**Daniels, A. L., Hutton, M. K.** [et al.] Relation of ingestion of milk to Ca metabolism in children. Am. J. Dis. Child., 1934, **47**: 499–512.—**Hess, J. H., Poncher, H. G., & Woodward, H.** Factors influencing the utilization of Ca and P of cow's milk. Ibid., **48**: 1058–71.—**Kinsman, G., Sheldon, D.** [et al.] The utilization of the Ca of milk by pre-school children. J. Nutrit., 1939, **17**: 429–41.—**Kramer, M. A., Latzke, E., & Shaw, M. M.** A comparison of raw, pasteurized, evaporated and dried milks as sources of Ca and P for the human subject. J. Biol. Chem., 1928, **79**: 283–95.—**Kramer, M., Potter, M. T., & Gillum, I.** Utilization by normal adult subjects of the Ca and P in raw milk and in ice cream. J. Nutrit., 1931, **4**: 105–14.

—— Nervous system.

Mouriquand, G., Rollet, J. [et al.] Lait et chronaxie vestibulaire. Rev. path. comp., Par., 1949, **49**: 490.

—— Nutritive value.

See also the corresponding subheading under **Milk casein; Milk fat; Milk protein.**

Advisory Committee on Nutrition. Brit. Food J., 1936, **38**: 31.—**Birk.** Die Bedeutung der Milch als Nahrungsmittel. Zschr. Fleisch Milchhyg., 1925–26, **36**: 321–8.—**Capstick, E.** Milk. In: Child Health (Ellis, R. W. B.) Lond., 1947, 322–35.—**Chaudhuri, P. B.** Milk; its value as diet and in economic

uplift of the country. Ind. Vet. J., 1940, **16**: 397–407.—**Chitre, R. G., & Patwardhan, V. N.** The nutr. value of milk and curds. Current Sc., Bangalore, 1945, **14**: 320.—**Datta, N. C., & Banerjee, B. N.** Studies on the nutr. value of milk and milk products. Ind. J. M. Res., 1934, **22**: 341–51.—**De Fonseka, D. C.** Milk as an article of food. Ceylon Health News, 1945, **11**: No. 5, 3–5.—**Eckstein, E.** Ueber die Ausnutzung der Milch. Münch. med. Wschr., 1934, **81**: 1454.—**Fischer, L.** Milk. Arch. Pediat., N. Y., 1935, **52**: 781–4.—**Kon, S. K.** La valeur nutr. du lait et produits laitiers. Lait, 1937, **17**: 929; 1047.—**Krauss, W. E.** Nutr. aspects of milk. J. Milk Techn., 1940, **3**: 205–7.—**Levesque, J., & Jacquot, R.** Alim. économiseurs de lait. Bull. Acad. méd., Par., 1944, **128**: 313–6.—**Lewis, J. T.** El valor alim. de la leche comparada con otro alimento. An. Dep. nac. hig., B. Air., 1927, **33**: 196.—**McCollum, E. V.** Nutr. value of milk and the importance of milk in the human dietary. Rep. Internat. Dairy Congr. (1928) 1929, 8. Congr., 116–23.—**McHenry, E. W.** The nutr. value of milk. Stud. Connaught Laborat., 1938, **10**: No. 25, 1–5.—**Malpica, F. M.** La dotación diaria de leche. Medicina, Méx., 1942, **22**: Suppl., 25–32.—**Milk** as a food. Brit. Food J., 1941, **43**: 74. Also Vet. Rec., Lond., 1943, **55**: 355.—**Milk** as a food under present conditions [London letter] J. Am. M. Ass., 1941, **117**: 1278.—**Outhouse, J.** The food value of milk. Illinois Health Mess., 1938, **10**: 24–8.—**Pocher, C.** La valeur d'un litre de lait. Lait, 1926, **6**: 488–95.—**Reyher.** Die Milch als Nahrungsmittel. Zschr. Fleisch Milchhyg., 1925–26, **36**: 291–4.—**Rubner.** Der Wert der Milch in der Volksernährung. Aerztl. Mitt. Baden, 1928, **72**: 104–7. Also Vereinsbl. pfälz. Aerzte, 1928, **40**: 168–70.—**Simonnet, H.** La valeur alim. des laits. Bull. Soc. sc. hyg. aliment., Par., 1943, **31**: 47–78.—**Vladescu, R.** [Alim. value of milk] Rev. şt. med., Bucur., 1933, **22**: 964–82.—**Wahby, A. M.** Milk as a food. J. Egypt. M. Ass., 1933, **16**: 156–65.—**Walworth, G.** White paper on milk policy. In his Feeding the Nation, Lond., 1940, 375.—**Wilson, L. T.** Milk and nutrition. Med. Searchlight, 1933, **9**: 10–4.

—— Nutritive value: Various aspects.

Bardisian, A. Il valore energetico dei componenti del latte. Med. ital., 1926, **7**: 6–28.—**Brody, S., & Sadhu, D. P.** The nutr. significance of milk with special reference to milk sugar Sc. Month., 1947, **64**: 5–13.—**Das, N., & Guha, B. C.** A comparative nutr. study of milk obtained from different species, including the human. Ind. J. Pediat., 1936, **3**: 1–7.—**Drummond, J. C., Singer, E.** [et al.] An experiment on the nutr. value of winter-produced summer milk. J. Hyg., Lond., 1938, **38**: 25–39.—**Komárek, A.** Chemické složení mléka a jeho výživná hodnota. Výživa lidu, 1948, **3**: 238.—**Kon, S. K.** Relative nutr. value of different forms of milk. Nature, Lond., 1941, **148**: 607–9. ——— The chemical composition and nutr. value of milk and milk products. Proc. Nutrit. Soc., Cambr., 1944, **2**: 149–62.—**Krauss, W. E., & Hayden.** The food value of milk as affected by high and low protein ratios. Bull. Ohio Agr. Exp. Sta., 1929, No. 431, 105.—**Magini, G.** Sul valore nutr. del latte di bufala e del latte di vacca; ricerche chimiche. Clin. vet., Milano, 1911, **34**: 993–1000.—**Pal, R. K., & Bose, N. M.** Nutr. value of milk from an uncovered heifer. Ind. J. Pediat., 1942, **9**: 141–3.—**Pincherle, M.** Alim. delle larve di anfibio con singoli elementi costitutivi del latte. Atti Accad. fisiocr. Siena, 1927, 10. ser., **2**: 247–9.—**Randoin, L.** Étude comparative des rapports et équilibres alim. caractérisant le lait de vache, le lait de femme et la ration équilibrée normale de l'adulte. Praxis, Bern, 1942, **31**: 452 (Abstr.)—**Wanshenk, O. B., & Dolan, E. J.** The rôle of the mineral salts of milk in nutrition. Med. J. & Rec., 1933, **138**: 172.

—— Pathological effect.

See also subheadings (Deficiency; Dental aspect; Exclusive feeding) also **Milkborne disease; Milk poisoning.**

Rosenau, M. J. Some diseases caused by milk. 4p. 8° Bost., ca 1912.

Burnett, C. H., Commons, R. R. [et al.] Hypercalcemia without hypercalcuria or hypophosphatemia, calcinosis and renal insufficiency; a syndrome following prolonged intake of milk and alkali. N. England J. M., 1949, **240**: 787–94.—**Crichton-Browne, J.** Milk and health. J. State M., Lond., 1918, **26**: 140; 178.—**Martin, F. S.** Improper use of milk. Texas J. M., 1932, **27**: 645–7.—**Martin, L., & Pettit, A.** Néphrite et cirrhose hépatique chez le lapin soumis à l'alim. lactée. C. rend. Soc. biol., 1912, **72**: 720–2. Also Ann. Inst. Pasteur, Par., 1913, **27**: 532–40, pl.—**Moose, R. M.** Does milk make mucus? California M., 1948, **68**: 31. ——— Why some adults do not drink milk. Ibid., 1949, **70**: 34.—**Norris, J. C.** Milk in relation to cause and prevention of disease. Bull. Fulton Co. M. Soc., Atlanta, 1939, **13**: No. 15, 11.—**Price, M. L.** Relation of milk to disease. Maryland M. J., 1909, **52**: 36–9.—**Rosamond, E.** Further observation on the evils of too much milk. South. M. J., 1935, **28**: 46.—**Ruhräh, J.** The relation of milk to disease. J. Alumni Ass. Coll. Physicians, Balt., 1908–09, **11**: 5–18.—**Saitz, C.** [Milk substrate in the pathogenesis of digestive diseases in children] Cas. lék. česk., 1929, **68**: 300–5.—**Speechly, H. M.** Milk in relation to health. Pub. Health J., Toronto, 1928, **19**: 363–5.—**Warum** ich die Tiermilch ablehne. Volksgesundheit, Bern, 1949, **42**: 174.

—— Pathological effect: Allergy [Abbrev.: MA for milk allergy; MI for milk intolerance and milk idiosyncrasy]

Covelli, G. *A intolerancia lactea na infancia; meios para corrigil-a [Paraná] 81p. 27cm. S. Paulo, 1923.

Flattot, M. *L'intolérance pour le lait chez le nourrisson. 107p. 24cm. Lyon, 1944.

Hauser, P. *Beitrag zur Kenntnis der Kuhmilchüberempfindlichkeit, Idiosynkrasie, Anaph., im Säuglingsalter [Zürich] 23p. 21cm. Affoltern, 1942.

Vendel, S. Cow's MI in infants. 37p. 24cm. Stockh., 1948.
Forms Suppl. 5, v.**35**, Acta paediat., Upps.

Bonansea, S. J. Síntesis de algunas investigaciones sobre las vitaminas y la anaf. alim. en relación con la leche y la salubridad pública en México. Mem. Soc. Antonio Alzate, 1923, **41**: 375–400.—**Bowen, R.** Epileptiform convulsions in children due to allergy. Proc. Balyeat Clin., Oklahoma, 1932, **1**: No. 11, 5–7.—**Browne, R. C.** MA in children. Manitoba M. Rev., 1947, **27**: 459–62.—**Cardon, L.** Functional bowel disturbance and MA; bedside diagnosis. Am. J. Digest. Dis., 1940, **7**: 378–82.—**Carrara, N.** L'anaf. da latte vaccino. Pediatria (Riv.) 1934, **42**: 1296–321.—**Chauveau, J.** Manœuvres diététiques au cours d'une intoxication gastro-intestinale fébrile chez un enfant; intol. au lait. Sem. hôp. Paris, 1927, **3**: 296.—**Copeland, S. C., & Keating, J. P.** MA in children. Pennsylvania M. J., 1937–38, **41**: 1133–7.—**Denis, J.** De la diarrhée commune au lait de vache chez le nourrisson. J. sc. méd. Lille, 1941, **59**: 161–5.—**Felts, G. R.** Food allergy in infancy. Q. Balyeat Clin., Oklahoma, 1940, **10**: No. 2, 14.—**Göppert, F.** Idiosynkrasie gegen Kuhmilch. Deut. med. Wschr., 1911, **37**: 1006.—**Gorter, E.** [Idiosyncrasy to cow's milk] Ned. tschr. geneesk., 1931, **75**: pt 4, 5192–6.—**Hill, L. W.** Immunologic relations between cow's milk and goat's milk. Am. J. Dis. Child., 1939, **58**: 905.—**Hull, W. M.** Food allergy; an unusual case of conjunctivitis with malodorous sudoresis due to milk. Proc. Balyeat Clin., Oklahoma, 1943, **13**: 28.—**Isihara, G.** Gyūnyū tokuisitu no iti rei [A case of cow's MI] Zika zassi, 1940, **46**: 951.—**Kerley, C. G.** Allergic manifestations to cows' milk. N. York State J. M., 1936, **36**: 1320–2.—**Kittredge, W. E., & Johnson, C.** Allergic hematuria due to milk; report of a case. N. Orleans M. & S. J., 1948–49, **101**: 419–21.—**Kleinschmidt, H.** Experimentelle Untersuchungen über Sensibilisierung durch Milchfütterung. Verh. Ges. deut. Naturforsch. (1912) 1913, **84**: 2. T., 2. Hälfte, 234.—**McLendon, P. A., & Jaeger, D. S.** MI, the cause of a nutritional entity; a clinical study. South. M. J., 1943, **36**: 571–5. ——— A synopsis of a clinical study of MI. Clin. Med., 1944, **51**: 275. ——— The rôle of cow's milk in gastro-intestinal allergy of children. Clin. Proc. Child. Hosp., Wash., 1947–48. **4**: 23–30.—**Marfan, A. B.** Les injections sous-cutanées de lait de vache comme épreuves révélatrices de l'anaph. pour ce lait. Paris, méd. 1940, **30**: 562.—**Martínez Vargas.** Intol. de los huevos y la leche en la alim. de los niños. Med. argent., 1932, **11**: 1662.—**Montagna, C. P., & Vernocchi, P. J.** Consideraciones sobre un caso de anaf. a la leche de vaca. Arch. argent. pediat., 1942, **17**: 193. ——— Un caso de anaf. alim. a la leche de vaca en un lactante. Recop. tr. cient. Inst. nac. nutr., B. Air. (1942–43) 1944, 159–62.—**Mukherjee, S.** Acquired hypersensitiveness to milk protein; report of a case. Calcutta M. J., 1939, **35**: 467–9.—**Pires, A. A.** Tratamento da intol. láctea. Laborat. clin., Rio, 1942, **22**: 17–9.—**Randolph, T. G.** Allergic headache; an unusual case of milk sensitivity. J. Am. M. Ass., 1944, **126**: 430–2.—**Rappaport, E. M.** Postdysenteric diarrhea due to MA. Rev. Gastroenter., N. Y., 1948, **15**: 466–83.—**Ratner, B., & Gruehl, H. L.** Anaph. properties of purified milk proteins, raw, evaporated, superheated, dried and acidified milk. Proc. Soc. Exp. Biol., N. Y., 1934, **31**: 559.—**Ribadeau-Dumas, L.** L'intol. au lait. Sem. hôp. Paris, 1935, **11**: 421–6.—**Richet, C., fils & Saint Girons, F.** Anaph. au lait. J. méd. fr., 1933, **22**: 9–13.—**Rockwell, G. E.** Milk sensitization. J. Allergy, 1941–42, **13**: 404–6.—**Rúiz Moreno, G., & Solari, M. A.** Un caso más de toxemia alérgica. Prensa méd. argent., 1944, **31**: 90.—**Salvioli, G.** Sulle cosi dette anaf. da latte nell'infanzia. Atti Soc. med. chir. Padova, 1923, **1**: 85–101.—**Sangiorgi, P.** Problemi allergici dell'alim. in generale e di quella lattea in particolare. Atti Conv. lombard. aliment. pop., 1938, 1. Conv., Rep. No. 25, 1–7.—**Seitz, L.** Beitrag zur Kenntnis der sogenannten Idiosynkrasien im Säuglings- und Kleinkindesalter. Mschr. Kinderh., 1935, **63**: 310–9.—**Sensitivity** to milk and cream. J. Am. M. Ass., 1934, **103**: 360.—**Seyler, L. E.** Allergic headache proven due to milk; skin test negative. Proc. Balycat Clin., Oklahoma, 1935, **4**: No. 2, 14.—**Stening, S. E. L.** Milk intolerance. Med. J. Australia, 1949, **1**: 754.—**Thiers, H., & Chevallier, R.** Existence, dans le liquide de digestion pepsique du lait, d'un antigène déclenchant ultrafiltrable, agent de désensibilisation clinique des allergies gastriques au lait. C. rend. Soc. biol., 1936, **121**: 693–5. ——— Existence dans le liquide de digestion pepsique du lait d'un antigène particl ultrafiltrablc. Lyon méd., 1936, **158**: 101–4.—**Tobler, W.** Ein Fall von sog. Kuh-MI bei einem 2½ Mt. alten Säugling.

Schweiz. med. Wschr., 1945, 75: 1068.—**Williams, D. A.** MI in elementary school children. Brit. M. J., 1936, 2: 1081.

—— Pathological effect: Allergy—Treatment.

See also **Milk injection; Milk substitute.**

Albert-Weil, J. La vaccination intestinale et la substitution bactérienne intestinale; médications de base ou médications adjuvantes de la thérapeutique. Hôpital, 1947, 35: 152; passim.—**Beverini, A.** Intol. per il latte e sua cura con le iniezioni di latte. Pediatria (Riv.) 1935, 43: 1227–53.—**Cathala, J., Ducas, P., & Netter, A.** Intolérance au lait, eczéma, oedème; valeur du régime hyperprotéique et hypercalorique. Bull. Soc. pédiat. Paris, 1933, 31: 224–9.—**Devraigne, S., & Uzan, M.** Lait et mode de sucrage du lait dans les allergies cutanées des nourrissons élevés artificiellement. Médecin chez lui, 1939, 16: 9–15.—**Flensborg, E. W.** Om benadryl-behandling af allergiske sygdomme hos børn; specielt dets anvendelse ved komælksidiosynkrasi hos spaedbørn. Ugeskr. laeger, 1947, 109: 639–42.—**Glaser, J.** The use of strained meats as the protein basis for milk substitutes in the treatment of MA. N. York State J. M., 1943, 43: 2399–402. Also J. Allergy, 1944, 15: 283–90.—**Lassablière, P.** Les principes essentiels du traitement de l'allergie du lait. Médecin chez lui, 1936, 13: No. 12, 13–28.—**Marfan, A. B.** Les injections sous-cutanées de lait de vache comme épreuves révélatrices de l'anaph. pour ce lait; leur action désensibilisante. Nourrisson, 1938, 26: 299.—**Ratner, B.** The treatment of MA and its basic principles. J. Am. M. Ass., 1935, 105: 934–9. Also Tr. Am. M. Ass., Sect. Pediat., 1935, 199–213.—**Saini, F.** Le iniezioni sottocutanee di latte di mucca come prova rivelatrice dell'anaf. per questo latte; loro azione desensibilizzante. Policlin. inf., Tor., 1939, 7: 56.—**Schloss, O. M., & Anderson, A. F.** Treatment of MA. J. Am. M. Ass., 1936, 106: 1025–7.—**Thiers, H., & Chevallier, R.** Désensibilisation spécifique des allergies au lait ou à l'oeuf chez l'adulte par l'antigène ultra-filtrable retiré du repas déclenchant. Lyon méd., 1936, 158: 104–6.

—— Pathological effect: Anemia.

Huzita, S. [Ueber die Wirkungen der Nahrungs- und Blutersetzungsstoffe auf die mit kuhmilchgezogenen Mäuse] Acta paediat. jap., 1939, 45: Suppl., 64 (Abstr.)—**Ohoka, Z.** Nyūzyū hinketu to kanzō kō-hinketu seibun; hu, zikken hōkoku [Milk anemia and the anti-anemia constituents of liver; supplement, report on experiments] Nippon eisei kagakkai si, 1939, 11: 25–36.—**Sakurai** [Ueber den Einfluss der Nahrung auf die Kuhmilchanämie] Acta paediat. jap., 1939, 45: Suppl., 103 (Abstr.)—**Supplee, G. C., Dow, O. D.** [et al.] A comparative study of liquid and dry milk as anemia-producing diets. J. Nutrit., 1929–30, 2: 451–69. Also Lait, 1932, 12: 1–17.—**Vollmer, H., & Melde, G. L.** Versuche über die Milchanämie der Ratte unter besonderer Berücksichtigung der Schafmilchanämie. Klin. Wschr., 1941, 20: 17–9.

—— Pathological effect: Anemia—by goat's milk

[Abbrev.: GMA for goat's milk anemia; ZMA for Ziegenmilchanämie]

Auffarth, M. *Ueber die ZMA. 12p. 8° Kiel, 1933.

Berthold, E. *Ueber Ziegenmilchanämien [Göttingen] 29p. 8° Remscheid, 1930.

Feldhaus, E. *Beitrag zur Klinik, zu dem Blutbefund und der Behandlung der alimentären Anaemie, unter besonderer Berücksichtigung der ZMA. 20p. 8° Münster, 1935.

Fischer, M. *Beitrag zur Frage der ZMA. [Bonn] 37p. 8° Düren, 1933.

Joachimi, H. *Die ZMA junger, wachsender Ratten als Testmethode für Leberextraktpräparate [Göttingen] 16p. 22cm. Düsseld., 1937.

Kelting, H. *Ueber das Verhalten des Blutkörperchenvolumens bei der experimentellen ZMA der wachsenden Ratte [Kiel] 27p. 23½cm. Kellinghusen, 1935.

Leszynsky, H. *Die ZMA [Bern] 108p. 22cm. Jerusalem, 1939.

Matossi, R. *Ueber ZMA. 36p. 8° Zür., 1928.

Ragaz, L. *Lassen sich bei Kindern, die eine ZMA durchgemacht haben, später Blutveränderungen nachweisen? 36p. 22½cm. Zür., 1939.

Schönenberg, A. *Ueber Verhütung der experimentellen ZMA bei Ratten [Göttingen] 12p. 8° Gelsenkirchen, 1935.

Alt, H. L. Experimental GMA. Proc. Soc. Exp. Biol., N. Y., 1935–36, 33: 48–52.—**Balde, J. H.** Ueber die Beeinflussung der ZMA der Ratte durch Ziegenleber und Ziegenleberextrakt (D. 7) Arch. Kinderh., 1939, 117: 95–100.—**Borra, V.** Sulla patogenesi dell'anemia da latte da capra. Atti Congr. pediat. Ital., 1931, 14. Congr., pt 2, 892–5.—**Bosc, R.** Un cas d'anémie grave de type pernicieux du nourrisson par lait de chèvre. Echo méd. Cévennes, 1948, 49: No. 5, 5. ——— Anémie grave curable due au lait de chèvre chez un nourrisson. Arch. fr. pédiat., 1949, 6: 201–3. Also Montpellier méd., 1949, 35–36: 25.—**Casser, C.** Folsäure bei perniciosiformer ZMA (hämatologische und blutchemische Beobachtungen) Helvet. paediat. acta, 1948, 3: 301–18.—**Dordi, A.** Anemia gravissima arigenerativa in lattante alimentato con latte di capra; trasfusione. Pediatria (Riv.) 1936, 44: 1002–14.—**Glanzmann, E.** Klinische und experimentelle Studien über ZMA und -dystrophie. Jahrb. Kinderh., 1925–26, 3. F., 61: 127–64.—**György, P.** Beitrag zur Pathogenese der ZMA. Zschr. Kinderh., 1934, 56: 1–13.—**Haase, G.** Beitrag zum Studium der ZMA im Tierversuch. Mschr. Kinderh., 1934, 60: 241–53.—**Haase, M.** Untersuchungen über ZMA. Berl. tierärztl. Wschr., 1934, 50: 595–8.—**Hyland, C. M.** [GMA] Arch. Pediat., N. Y., 1929, 46: 673–8.—**Kohler, G. O.** [GMA] Summaries Doct. Diss. Univ. Wisconsin, 1938, 3: 228. ——— **Elvehjem, C. A., & Hart, E. B.** [GMA] Am. J. Physiol., 1935, 113: 279–84.—**Laurent, N.** Un procès sanitaire devant l'opinion; la chèvre, le lait et la maladie No. 16. Lait, 1929, 9: 12–22.—**Mödlinger, P.** [Case of GMA] Orv. hetil., 1937, 81: 247–9. Also Kinderärztl. Prax., 1938, 9: 425–7.—**Nielsen, H. E.** [Case of GMA] Ugeskr. laeger, 1937, 99: 366–8.—**Orten, J. M., & Smith, A. H.** [GMA] Yale J. Biol., 1935–36, 8: 637–42.—**Schönenberg, A.** Versuche zur Frage der ZMA. Mschr. Kinderh., 1935, 63: 414–21.—**Timmermans, J.** Alimentation et anémie provoquée par le lait de chèvre. Lait, 1927, 7: 96–8.—**Tschesche, R., & Wolf, H. J.** Ueber den ZMA-Faktor von Rominger und Bomskov; vorläufige Mitteilung. Zschr. physiol. Chem., 1936, 244: p. i–iii.—**Uruno, K.** Yagi-nyū hinketu ni tuite [GMA] Kōsei kagaku, 1940–41, 1: 573–9.—**Weill, L.** Anémie grave chez une enfant nourrie exclusivement au lait de chèvre depuis 6 mois. Bull. Soc. pédiat. Paris, 1935, 33: 145–9.

—— Pathological effect: Anorexia.

Siemsen, W. J. The influence of excessive milk feeding on gastric motility and its relation to chronic anorexia. Am. J. Dis. Child., 1931, 41: 291–302.—**Wolman, I. J.** Does milk between meals hamper the appetite or food intake of the child? J. Pediat., S. Louis, 1946, 28: 703–12.—**Woodward, M. R.** Milk and appetite. Texas J. M., 1941–42, 37: 297.

—— Pathological effect: Dyspepsia.

Bentivoglio, G. C. Il ricambio azotato del lattante nella dispepsia da latte di vacca. Probl. aliment., Roma, 1933, 3: 133–56.—**Clément, R.** Dyspepsie du lait de vache. Presse méd., 1950, 58: 212.—**Indigestiones** von der Milch (1752) In: Aerzte & Kurpfuscher (Buchner, E.) Münch., 1922, 241 (Marg. No. 295)—**Kellogg, J. H.** Casein dyspepsia, or chronic milk poisoning. Mod. Med., Battle Creek, 1908, 17: 57–60.—**Mathieu, R.** La dyspepsie du lait de vache; son traitement par le malt. J. méd. chir., Par., 1934, 105: 97–115.

—— Pathological effect: Hoarseness.

Dollinger, J. Milchheiserkeit. Wien. med. Wschr., 1936, 86: 827.

—— Pathological effect: Vitamin deficiency.

See also **Milk vitamin; Milk (vitaminized)**

Kaplan, M., & Jammet, M. L. Cinq cas de scorbut chez des nourrissons alimentés au lait de vache pasteurisé bouilli. Nourrisson, 1946, 34: 112–8.—**Mouriquand, G., & Leulier, A.** Sur les facteurs rachitigènes du lait de vache. Lyon méd., 1934, 153: 534–7.—**Suzuki, K., & Arakawa, T.** Aperoxidatic milk as a possibly early symptom of avitaminosis-B; an experimental study. Tōhoku J. Exp. M., 1930, 16: 228–31.—**Vallette, A., & Domanska.** Effet scorbutigène de différents laits; résultats expérimentaux. J. méd. Paris, 1934, 54: 326–8.

—— Planning of meals.

Hansen's (Chr.) Laboratory. Milk and milk foods in diet planning. 32p. 19½cm. Little Falls, 1942.

Macfadden, B. A. The miracle of milk; how to use the milk diet scientifically at home. 204p. 20cm. N. Y., 1935.

More milk in your meals. 11p. 23cm. N. Y., 1935.

Cerruti, C. F., & Giuffrida, G. Il valore del latte come alim. supplementare nella dieta delle colonie estive. Pediat. med. prat., Tor., 1937, 12: 246–63, ch.—**Gralka, R.** Die Milch auf dem Speisezettel eines Kindererholungsheims. Mitt. Bl. Deut. Ver., 1927, Sonderh., 57–60.—**McCollum, E. V.** The importance of milk as a supplement to institutional dietaries. Proc. Pacific Sc. Congr. (1939) 1943, 6. Congr., 6: 259–64.—**McLeod, F.** The place of milk in the diet. Certif. Milk, 1928, 2: 3–5.

—— Problems.

See also **Milk problem.**

Bastoni, G. I latte alimentare come problema igienico-sanitario e come problema tecnico. 176p. 8° Parma, 1936.

Davenas, P. Les problèmes de l'alim.; le lait. Médicine, Par., 1947, **28**: No. 11, 3–6.—**Helmholz, H. F.** Milk, a European child health problem. Arch. Dis. Childh., Lond., 1948, **23**: 149–55.—**Lesné, E., & Ribadeau-Dumas, L.** La question des régimes lactés. Bull. Acad. nat. méd., 1947, **131**: 604–6.—**Lopes Pontes, J. P.** Sugestões sôbre o problema alim. do leite. Rev. brasil. med., 1946, **3**: 27–30.—**Neri, F.** La questione del latte e il problema dell'alim. Difesa sociale, 1931, **10**: 565–79.—**Porcher, C.** La crise actuelle et le lait. Lait, 1931, **11**: 641–55.

—— Research.

See also **Milk science.**

Reading, Engl. University. National Institute for Research in Dairying. Milk and nutrition. 3v. 25cm. Reading, 1937–38.

Cary, C. A. Milk in nutr. research; a sketch of progress. Yearb. U. S. Dep. Agr., 1939, 699–705.—**Garrett, O. F.** Recent research pertaining to the general and nutr. properties of milk. Am. J. Dis. Child., 1939, **57**: 720–3.—**Randoin, L., & Lecoq, R.** Du choix d'un animal réactif pour l'étude de l'équilibre nutr. des laits. Ann. falsif., Par., 1930, **23**: 132–41. Also Lait, 1931, **11**: 133–43.—**Reed, O. E.** Dairy research and human nutrition. Certif. Milk, 1943, **18**: No. 212, 3; passim; 1944, **19**: No. 213, 5; passim.—**Report** of Committee on Food Value of Milk and Milk Products. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 270–98; (1936) 1937, **25**: 40–60.—**Williams, R. S.** The importance of a complete study of nutr. value of milk. Vet. Rec., Lond., 1931, **11**: 887–9. Also J. State M., Lond., 1931, **39**: 141–56.

—— School children.

See also **Milk cost,** Free milk; also subheading (Children)

Batka, I. A makói iskolai tejakció eredménye az 1937–38, iskolai évben. Népegészségügy, 1938, **19**: 1112–4.—**Deysenroth, C. F.** School program of the Milk Foundation builds for lasting values through integrated health projects. J. School Health, 1942, **12**: 319–22.—**Fetterman, J. C., Shillinger, M. L. C., & Irvin, R. R.** Coffee and milk drinking habits of school children. Nation's Health, Chic., 1927, **9**: No. 8, 31; 72.—**Hawthorne, C. O.** Milk and school-children. Lancet, Lond., 1936, **2**: 405.—**Javet, M.** Die Milch in der Schule. Gesundheit, Zür., 1934, **14**: 269–73.—**Leighton, G., & Clark, M. L.** Milk consumption and the growth of school children. Brit. M. J., 1929, **1**: 23–5.—**Lininger, F. F.** Relation of the use of milk to the physical and scholastic progress of undernourished school children. Am. J. Pub. Health, 1933, **23**: 555–60.—**Loewenthal, L. J. A.** The effect of the addition of milk to the diet of schoolboys in Buganda. East Afr. M. J., 1938–39, **15**: 35–45.—**Marrack, J. R.** School meals and milk. Pub. Health, Lond., 1945–46, **59**: 178–80.—**Paterson, J. J.** A candid criticism of the school children's milk scheme. Med. Off., Lond., 1934, **52**: 183.—**Porcher, C.** La distribution du lait dans les écoles. Lait, 1928, **8**: 234–7.—**Recent** (Some) researches on the value of milk in the diets of boys during school age. J. R. Army M. Corps, 1928, **51**: 50–5.—**Scharff, J. W., & Sinnadorai, S.** Milk for the school child. Malay. M. J., 1937, **12**: 18.—**Schoedel, J.** Art und Umfang regelmässigen Milchgenusses im Kindesalter. Münch. med. Wschr., 1927, **74**: 1367–9.—**Sebrell, W. H., Tisdall, F. F., & Hoobler, I. M.** Evaluation of milk in school lunch programs. J. Am. Diet. Ass., 1947, **23**: 854.—**Stone, J. G., & Turner, C. E.** Mid-session luncheons of crackers and milk. Nation's Health, Chic., 1927, **9**: No. 7, 25–8.—**Vigne, P., & Weill, L.** Quelques expériences concluantes de distribution de lait aux enfants des écoles. Avenir méd., Lyon, 1934, **31**: 56–8.

—— Sexual effect.

Forti, C. Ricerche sulla dieta di latte di vacca con particolare riguardo ai fenomeni di riproduzione. Boll. Soc. ital. biol. sper., 1941, **16**: 154–6.—**Martino, G.** Effetti dell'alimentazione lattea sullo sviluppo sessuale nei polli. Ibid., 1934, **9**: 217–9.—**Waddell, J., & VanDonk, E.** Male sterility on milk diets. J. Nutrit., 1931, **4**: 67–77.—**Zagami, V., & Famiani, V.** Riproduzione e allattamento nei rapporti con l'alimentazione. Q. nutriz., Bologna, 1937, **4**: 233–65.

—— Urinary effect.

Kochs, H. *Die Harnreaktion nach Milchkost. 28p. 8° Berl., 1935.

—— of rodents.

Boas, M. A., & Chick, H. The influence of diet and management of the cow upon the deposition of Ca in rats receiving a daily ration of the milk in their diet. Biochem. J., Lond., 1924, **18**: 433–47.—**Chiofalo, I.** Comportamento dei reni in ratti alim. con latte diluito. Boll. Soc. ital. biol. sper., 1934, **9**: 482–4.—**Fynn, E.** Ueber die Entwicklung weisser Ratten bei Milchnahrung. Biochem. Zschr., 1924, **153**: 496–503.—**Jacquot, R., & Trimbach, H.** La valeur alim. pour divers mammifères du lait de vache et de laits modifiés. Bull. Soc. sc. hyg. aliment., Par., 1934, **22**: 134–56, 5 ch.—**Longenecker, H. E., & Hilditch, T. P.** The fat composition of milk-fed rats. Biochem. J., Lond., 1938, **32**: 784–91.—**Maze, P., & Pettit, A.** Sur l'alim. lactée du lapin. C. rend. Soc. biol., 1914, **76**: 653–5.—**Nevens, W. B., & Shaw, D. D.** The relative digestibility by rats of the milk of five breeds of dairy cattle. J. Agr. Res., 1933, **46**: 463–72.—**Richardson, L. R., & Hogan, A. G.** Adequacy of a milk diet for the rat. J. Nutrit., 1940, **19**: 13–9.—**Wulzen, R., & Bahrs, A. M.** Effects of milk diets on guinea pigs. Am. J. Physiol., 1941, **133**: 500.

MILK pasteurization.

Abbrev.: MP for milk pasteurization; P for pasteurization and equivalents; PM for pasteurization of milk and Pasteurisierung der Milch.

See also **Milk cooling; Milk modification,** Heated milk; **Milk preservation; Milk processing; Milk sterilization.**

Ayers, S. H. The PM. 44p. 8° Wash., 1912.

Forms Circ. 184, U. S. Bur. Anim. Indust.

Hill, H. Pasteurisation. 152p. 23cm. Lond., 1943. Also 2. ed. 296p. 23cm. Lond., 1947.

Jones, W. F., & White, A. H. The PM, cream and dairy byproducts. 22p. 8° Ottawa, 1926.

Forms No. 59, Bull. Canada Dep. Agr.

North, C. E., Park, W. H. [et al.] Commercial P. 217p. 23cm. Wash., 1925.

Forms No. 147, Pub. Health Bull., Wash., 1925.

Wilson, G. S. The PM. 212p. 22½cm. Lond., 1942.

Ayers, S. H. The present status of P. Am. J. Pub. Health, 1914, **4**: 15–9.—**Babcock, C. J.** The PM. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 99–102.—**Bates, G.** [PM] Health, Toronto, 1940, **8**: 12.—**Baudouin, J. A.** P of milk supply. Pub. Health J., Toronto, 1918, **9**: 11–26. ——— La P du lait. Union méd. Canada, 1941, **70**: 170–3.—**Bordas.** La P du lait. Ann. falsif., Par., 1915, **8**: 89–93.—**Carling, E., Myers, B.** [et al.] [PM] Brit. M. J., 1943, **1**: 112.—**Charles, J. R.** [PM] Ibid., 171.—**Coldrey, E., Macdonald, A. H.** [et al.] [PM] Ibid., **3**: 52.—**DeWitt, C. E. A.** Milk and P. Nova Scotia M. Bull., 1939, **18**: 669–72.—**Echavarria H., G.** La P de la leche. Rev. Fac. med., Bogotá, 1932–33, **1**: 871.—**Evans, W. A.** Pasteurization. Tr. Am. Ass. Study Infant Mort., (1911) 1912 **2**: 265.—**Foley, A. R.** La P du lait. Union méd. Canada, 1943, **72**: 547–50.—**Fouassier.** La P du lait. Ann. falsif., Par., 1934, **27**: 259.—**Freudenreich, E. v.** Ueber die PM. Korbl. Schweiz. Aerzte, 1905, **35**: 521–3. Also Molkereiztg, 1905, **15**: 421.—**Garrod, L. P.** [PM] Brit. M. J., 1943, **1**: 80. Also Nurs. Times, Lond., 1943, **39**: 444.—**Gothein, E.** Die PM, eine ökonomische und soziale Pflicht. Molkereiztg, 1908, **18**: 361; 373.—**Horne, R. J. M.** [PM] Med. Off., Lond., 1937, **57**: 150.—**Kenwood, H.** The PM. J. R. San. Inst., Lond., 1908–09, **29**: 260–73.—**Krejsa, V.** Mléko syrové a P. Prakt. lék., Praha, 1936, **16**: 107.—**Kühl, H.** Die PM. Pharm. Zhalle, 1915, **56**: 595–7.—**LeSage, A.** La P du lait ordinaire. Union méd. Canada, 1943, **72**: 261–6.—**Lethem, W. A.** The PM. Pharm. J., Lond., 1949, **108**: 253.—**Lythgoe, H. C.** The PM. Commonhealth, Bost., 1938, **25**: 315–9.—**Macmahon, J. R.** [PM] Brit. M. J., 1942 **2**: 740.—**Milk** and P. Lancet, Lond., 1943, **2**: 83.—**Milk** P. Med. Off., Lond., 1942, **67**: 187.—**Miller, J. F.** [MP] Health News, Albany., 1923, n. ser., **18**: 91–4.—**Morena, N.** P do leite. Hora méd., Rio, 1943, No. 65, 27.—**Moreno, T.** La P de la leche. Rev. zootécn., B. Air., 1930, **17**: 706–16.—**Parran, T.,** jr, **& Godfrey, E. S.,** jr. [PM] Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 145–57.—**Pasteurisation.** Vet. Rec., Lond., 1943, **55**: 221.—**Pasteurization** of milk. Health Bull., Edinb., 1942–43, **2**: 17. Also Vet. Rec., Lond., 1946, **58**: 185–9.—**Porcher, C.** Sur la P du lait. Bull. Soc. sc. vét, Lyon, 1908, **11**: 246. ——— Réflexions sur la P. Lait, 1933, **13**: 3–60.—**Rickards, B. R.** The commercial PM. Rep. Am. Pub. Health Ass. (1908) 1909, **34**: pt 1, 187–93.—**Rosenau, M. J.** Pasteurization. J. Am. M. Ass. 1907, **49**: 1093. Also Bull. U. S. Hyg. Laborat., Wash., 1908, No. 41, 591–628. ——— Milk and P. Ann. M. Pract., 1909, **22**: 237–45, 3 pl. ——— Pasteurization. N. England J. M., 1929, **200**: 51–5.—**Sadler, W., Kelly, C. D., & Martin, G. R.** On the producing of milk having a low bacterial content. J. Hyg., Lond., 1923–24, **22**: 410–2.—**Savage, W.** Milk and P. Med. Off., Lond., 1938, **59**: 179–81.—**Shall** we pasteurize; the true facts in the case you may judge for yourself after reading. Health & Happiness, 1934, **1**: 11–22.—**Stassano, H.** De la P. Lait.

1925, 5: 473–9.—**Wilson, G. S.** The PM. Med. Off., Lond., 1942, 68: 90. Also Brit. M. J., 1943, 1: 261.—**Zeller.** Ueber MP. Berl. tierärztl. Wschr., 1927, 43: 597–9.

—— Advantages and disadvantages.

BIBBY, J. P. The case against PM. 71p. 21½cm. Lond., 1944.

Arnould, E. La P du lait. Rev. hyg., Par., 1927, 49: 529–40.—**Case** (A) against the general PM. S. Afr. M. J., 1947, 21: 432.—**Do** doctors disagree about P? Brit. M. J., 1942, 2: 727.—**Escudero, P.** La inconveniencia de la P obligatoria de la leche. Rev. colomb. pediat., 1948–49, 8: 171–94.—**Freeman, R. G.** P; the advantages and disadvantages to the consumer. N. York M. J., 1907, 85: 551–3.—**Hall, M.** The argument for PM. King's Coll. Hosp. Gaz., Lond., 1944, 23: 5–8.—**Hastings, C. J.** Some reasons why milk should be pasteurized. Am. Med., 1918, 13: 422–8.—**Howard, C. D.** What MP does and why it should be demanded. Health, Concord, 1936, Aug., 1–4.—**Lasseur, P.** Les nouvelles générations de pharmaciens et la question du lait; les avantages et les inconvénients de la P du lait. Bull. Ass. diplôm. microb., Nancy, 1942, No. 24, 43–5.—**Micol, H.** A case against MP. Food Mater., N. Y., 1943, 3: No. 7, 2.—**Pasteurization** of milk advocated. Pub. Health Rep., Wash., 1917, 32: 1879.—**Pierce, C. C.** Etat actuel des aspects scientifiques et pratiques de la P du lait. Bull. Off. internat. hyg. pub., Par., 1935, 27: 2218–20.—**Roby, J.** P; its advantages and disadvantages to the municipality. N. York M. J., 1907, 85: 739–41.—**Sylvestre, J. E.** Pour ou contre la P du lait. Union méd. Canada, 1941, 70: 290–2. Also Canad. J. Comp. M., 1943, 7: 133–5.

—— Apparatus.

See **Milk pasteurizer.**

—— Bacteriological aspect.

See also **Milk bacteria.**

Albano, F. Resistenza dei microbi del latte alla bassa P e nuovi orientamenti del controllo batteriologico alle stalle; cause determinanti di una mancata efficienza della P. Q. nutriz., Bologna, 1934–35, 1: 295–304.—**Bartram, M. T.** The effect of pasteurizing temperatures on (A) Brucella abortus and (B) Brucella abortus agglutinins in milk. Cornell Vet., 1931, 21: 360–7.—**Bogdanoff, W. M.** L'influence des différentes températures de P du lait sur le développement des microbes acido-lactiques du type Streptococcus lactis et Bacterium casei. Lait, 1933, 13: 677–86.—**Gorini, C.** Batteri acidoproteolitici e termofili nella P del latte. Ann. igiene, 1931, 41: 457–66. Also Lait, 1931, 11: 225–34.—**Graham, V. E.** The destruction of pure cultures of the Escherichia-Aerobacter group in MP. Canad. Pub. Health J., 1936, 27: 81–5.—**Hryniewicz, M., & Ławrynowicz, A.** [Effect of temperature in P on the number of bacilli in milk] Med. dośw., 1932, 15: 243–6.—**Prucha, M. J., & Corbett, W. J.** Time required for destruction of bacteria at different temperatures of P. J. Milk Techn., 1940, 3: 269–73.—**Rosenau, M. J.** Thermal death points of milk bacteria and other effects of heat upon milk. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 58–64.—**Ward, A. R.** Influence of various operations at the pasteurizing plant on microscopical counts of the bacteria in milk. J. Bact., Balt., 1940, 39: 94.

—— Biorization.

Binder, W. Einige Bemerkungen zu dem Artikel von Dr F. Hering: Biorisation und Enzymamilch. Zschr. Fleisch Milchhyg., 1913, 24: 122.—**Hering, F.** Biorisation und Enzymamlich. Ibid., 55.—**Kroon, H. M., van Heelsbergen, T., & Baudet, E. A. R. F.** Het bioriseeren, een nieuwe methode voor de bereiding van ziektekiemvrije melk. Tschr. vecrartsenijk., 1915, 42: 621–32, 2 pl.—**Pritzker, J.** Ueber biorisierte Milch. Schweiz. Apoth. Ztg, 1916, 54: 251; 265.—**Schmitz, K. E. F.** Ueber die Leistungsfähigkeit des Lobeckschen Milchsterilisierungsverfahrens (Biorisation) Zschr. Hyg., 1915, 80: 233–60.

—— Chemical methods.

Prescott, S. C. The efficiency of chemical P and its relation to the milk problem. Techn. Q., Bost., 1905, 18: 247–56.

—— Control.

Barkworth, H. The thermometer as a check on efficient P. Med. Off., Lond., 1938, 59: 141. ——— Laboratory tests for efficiency of P. Ibid., 171.—**Buller Souto, A., & Muller da Silva, M.** Investigações em contagens comparativas entre a espuma e o leite respectivo. Hospital, Rio, 1947, 31: 547–53.—**De Alessi, E.** Sul valore della ricerca del B. coli nel latte come controllo della P. Gior. med. mil., 1938, 86: 944–51.—**Del Valle Sárraga, R.** Chemical control of P, chemical aspects of milk grading by the butter-fat contents and the analytical picture of water dilution. Puerto Rico Health Bull., 1938, 2: 218–21.—**Fuchs, A. W.** Automatic control of P; advantages and safeguards. Am. J. Pub. Health, 1940, 30: 477–82.—**Gilcreas, F. W.** Report on tests for P of dairy products. Stud. Div. Laborat. N. York State Dep. Health, 1937–39, 9: No. 77, 373–80.—**Grenoilleau, G., & Mornet-Cros, M.** Utilité du contrôle bactériologique de la P du lait. Ann. hyg., Par., 1935, n. ser., 13: 721–8.—**Koehler, G., & Tonney, F. O.** The control of P. J. Am. M. Ass., 1911, 56: 713–8.—**Leersum, E. C. v.** The vitamin C content of electrically treated milk. J. Hyg., Lond., 1926, 25: 461–70, 2 pl. ——— Electrische pasteurisatie van melk. Ned. Tschr. geneesk., 1926, 70: pt 1, B, 234–45.—**Leibovitch, B.** Emploi de la teinture de gaïac dans le contrôle de la P. Lait, 1937, 17: 463–72.—**Lythgoe, H. C.** Official control of P in Massachusetts. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, 23: 81–92.—**Perez M., J.** Métodos para contralorear la P de la leche y productos lácteos. Rev. med., Valparaíso, 1945–46, 19: 289. Also Pediat. Américas, Méx., 1947, 5: 191.—**Pien, J.** Le contrôle de la P du lait et de la crème. Lait, 1945, 25: 311–20.—**Powers, A. J.** Pasteurization control. Certif. Milk, 1942, 17: No. 199, 7; passim.—**Riva, A., Schiavone, E. L., & Vadillo, E.** Test de Kay-Graham para contralor de la P. Rev. Inst. bact. Malbrán, B. Air., 1941, 10: 343–56.—**Savage, W.** The supervision and control of MP. In his Pract. Pub. Health Probl., Lond., 1941, 96–120.—**Soares Filho, F.** Controle de P. Bol. indúst. animal, S. Paulo, 1942, 5: No. 4, 139–42.—**Swenarton, J. C.** Can B. coli be used as an index of the proper PM. J. Bact., Balt., 1927, 13: 419–29.

—— Effectiveness.

Bongert & Hock. Untersuchungen über die Zuverlässigkeit der Dauer-PM zwecks Abtötung von Krankheitserregern, die auf Mensch und Tier übertragbar sind. Zschr. Fleisch Milchhyg., 1925–26, 36: 394; 1926–27, 37: 5; 20.—**Brown, A.** [PM] and infant mortality rates in Toronto, Vancouver, and Victoria. Brit. M. J., 1943, 2: 133.—**Davies, B.** The efficiency of commercial P. Med. Off., Lond., 1940, 63: 167.—**Frank, L. C.** An effective and practical definition of P. Am. J. Pub. Health, 1930, 20: 1105–19.—**Jenkins, H.** Experiments on the PM, with reference to the efficiency of commercial P. J. Hyg., Lond., 1926–27, 25: 273–84.—**Mack, M. J., Boisvert, O.** [et al.] Status of PM and milk products. Am. J. Pub. Health, 1939, 29: No. 2, Suppl., 36–41.—**Quevedo, J. M.,** h. Resultados obtenidos en los cobayos inoculados con muestras de leche, antes y después de pasteurizadas a 63°. Rev. med. vet., B. Air., 1940, 22: 351–80.—**Seelemann, M.** Zur Frage der Abtötung von Tuberkel-, Typhus-, Paratyphusbazillen und Mastitis-Streptokokken in einigen heute gebräuchlichen Milcherhitzungsanlagen. Deut. tierärztl. Wschr., 1927, 35: 765–70.—**Stassano, H.** Des critériums dont on devrait s'inspirer et des méthodes que l'on devrait suivre dans l'appréciation d'un procédé de P du lait. Lait, 1933, 13: 85–110.—**Todd, F. A., & Ranney, A. F.** Effects of P temperatures on Brucella abortus agglutinins in milk. Vet. Bull., Carlisle, 1940, 34: 31–7.

—— Electric methods [Abbrev.: DE for désacidification électrique]

See also **Milk processing; Milk purification.**

DECAIE, J. *La DE du lait [Vet.] 55p. 24½cm. Lyon, 1945.

Beattie, J. M., & Lewis, F. C. The utilisation of electricity in the continuous sterilisation of milk. J. Path. Bact., Lond., 1913–14, 18: 120–2. ——— Electrical treatment of milk for infant feeding and the destruction of Bacillus tuberculosis. J. State M., Lond., 1916, 24: 174–7.—**Collumbien, G.** La P à l'électricité mise en pratique. Lait, 1928, 8: 857–9.—**Dénier.** Désacidification du lait par voie électrique. Rev. path. comp., Par., 1949, 49: 491–4.—**FitzGerald, G. W.** The electrical process of MP. Vet. Bull., Wash., 1932, 26: 212–21.—**Gratz, O.** La désacidification du lait et de la crème par voie électrique; l'appareil électrique Eclat de désacidification. Lait, 1934, 14: 145–54. ——— A propos de la théorie de la DE du lait. Ibid., 1936, 16: 611.—**Pien, J., & Baisse, J.** A propos de la DE du lait. Ibid., 20–6. ——— La théorie de la DE du lait. Ibid., 921–41.—**Polonovski.** Sur la désacidification des laits. Bull. Acad. nat. méd., 1949, 133: 120–2.—**Prescott, S. C.** The treatment of milk by an electrical method. Am. J. Pub. Health, 1927, 18: 221–3.—**Robison, F. W.** Studies on the Electropure process of treating milk. Indust. Engin. Chem., 1923, 15: 514–8.—**Rolet, A.** La stérilisation du lait et du beurre par l'électricité. Rev. gén. sc. pur., 1926, 37: 273–8.—**Rossi, A.** Distribuzione degli elettroliti nel latte e nel dializzate. Boll. Soc. ital. biol. sper., 1930, 5: 1060–3.—**Stabler, S. H.** The electrical process of MP. Am. J. Hyg., 1931, 14: 433–52.—**Tapernoux, A., Desrante, R., & Beguet, Y.** La conductibilité électrique du lait désacidifié par électrolyse. C. rend. Soc. biol., 1945, 139: 1145.—**Terwen, A. J. L., & Quelle, H. J.** Ueber die bakteriologischen Erfolge mit dem Elektropasteur für Milch nach Aten. Arch. Hyg., Münch., 1934, 112: 273–9.—**Wachter, L. M.** Electropure process for treating milk. Abstr. Papers N. Y. Ass. Pub. Hcalth Laborat., 1927, Mid-yr meet., 6.—**Winkler, W.** Succès obtenus jusqu'ici par l'emploi du courant électrique pour conserver et désacidifier le lait. Lait, 1934, 14: 1111–6. ——— La stabilisation du lait par la DE. Ibid., 1935, 15: 505–8.

—— High-temperature-short-time method.

Burn, J. L. [MP] high-temperature-short-time method. In his Recent Adv. Pub. Health, Lond., 1947, 380–2.—**Button, F. C.** High-temperature-short-time PM. J. Milk Techn., 1940, 3: 198–203.—**Dotterer, W. D.** Short-time P as it looks to the milk plant operator. Food Indust., 1940, 12: No. 2,

46; No. 3, 74.—**Hileman, J. L., & Leber, H.** High-temperature, short-time P and its practical application to the dairy industry. J. Milk Techn., 1941, **4**: 128–37.—**Irwin, R. E.** High-temperature-short-time P. Annual Rep. Pennsylvania Ass. Dairy & Milk Insp., 1933, **9**: 108–22.—**Keller, F. M.** Short-time PM, as it looks to the health officer. Food Indust., 1940, **12**: No. 4, 48–50.—**Mattick, A. T. R., & Hiscox, E. R.** High-temperature-short-time P; the destruction of tubercle bacilli and phosphatase in large-scale plant. Med. Off., Lond., 1939, **61**: 177–80.—**O'Daniel, V. F.** The problem of thermoduric bacteria in short-time high-temperature P. J. Bact., Balt., 1942, **44**: 387.—**Starnes, M. B.** Short-time high-temperature PM. Army Vet. Bull., 1943, **37**: 24–33.—**Supplee, G. C., & Jensen, O. G.** The instantaneous heat treatment of milk. J. Milk Techn., 1941, **4**: 5–17.—**Vieira Marques, F.** P de leite á alta temperatura. Arq. saúde púb., Belo Horiz., 1933, **1**: 17–20.—**Yale, M. W.** La P à température élevée de courte durée aux Etats-Unis. Lait, 1935, **15**: 466; passim.

—— History.

Göransson, R. N. Les pionniers de la P. Lait, 1927, **7**: 701–8.

—— Holding system.

Zeller, H., Wedemann, W. [et al.] Ueber die sog. niedrige Dauerpasteurisierung der Milch mit besonderer Berücksichtigung der Abtötung von Seuchenerregern. 72p. 26cm. Berl., 1928.
Forms Sonderheft to v.**38**, Zschr. Fleisch Milchhyg., 1927–28.

Barthel, C. P basse; une observation au sujet de la P lente. Lait, 1926, **6**: 350.—**Christiansen, M.** Lavpasteurisering (langtids-P) af maelk. Nord. med. tskr., 1930, **2**: 167–74.—**Génin, G.** P du lait; ses avantages et ses inconvénients; méthode de P basse. Lait, 1935, **15**: 1101–3.—**Gustafson, F.** Långtids-P och mjölkens produktionshygien. Förhandl. Nord. vet. (1933) 1934, 4. meet., 678–88.—**Hönack, R.** Die gesundheitliche Bedeutung und praktische Ausführung der Milchdauererhitzung. Deut. tierärztl. Wschr., 1925, **33**: 55.—**Katrandjieff, K.** Nouvelles recherches sur la P à basse température. Lait, 1930, **10**: 128–35.—**Orla-Jensen, Le Dous, C.** [et al.] Recherches sur la P basse du lait; une nouvelle réaction pour controler la température de chauffage. Ibid., 1929, **9**: 622; 724.—**Pien, J., & Baisse, J.** Le contrôle chimique de la P basse du lait. Ann. falsif., Par., 1935, **28**: 403–10.—**Pröschold, O.** Impfversuche an Meerschweinchen und Fütterungsversuche an Schweinen zur Prüfung der Zuverlässigkeit der Dauererhitzung der Milch bei 63–65° C während 30 Minuten in Standwannen mit Rührwerk. Arch. wiss. prakt. Tierh., 1928, **58**: 296–310.—**Rautmann, H.** Der praktische Wert der Dauererhitzung der Milch auf 63–65 Grad Celsius für die Tuberkulose-Bekämpfung. Zschr. Fleisch Milchhyg., 1926–27, **37**: 185–9.—**Seelemann, M.** Der Streit um die Zuverlässigkeit der Milchdauererhitzung. Ibid., 77–80.—**Yanagizawa, Y., & Ida, K.** Gyūnyū no teion-sakkin-hō ni kan-suru zikkenteki kenkyū [Experimental studies in the low-temperature method of killing bacteria in milk] Zikken igaku zassi, 1935, **19**: 137–45.—**Zeller, H.** Zur Frage der Abtötung verschiedener Tierseuchenerreger bei der schonenden Dauer-PM. Deut. tierärztl. Wschr., 1927, **35**: 762–5.

—— Home methods.

Arnold, A., & Gustafson, C. J. Home PM. Am. J. Pub. Health, 1930, **20**: 1065–70.—**Evans, J. L.** The dangers of commercial PM and the advantages and limitations of home P. Tr. Philadelphia Pediat. Soc., 1905–06, 1907, **2**: 73–5.—**Home** PM. Connecticut Health Bull., 1943, **57**: 269–71.—**McKinnon, N. E.** Home PM. Canad. Pub. Health J., 1934, **25**: 16.—**Williamson, A. H.** Farm P. J. Milk Techn., 1940, **3**: 5–8.

—— Hydrogen peroxide.

See also **Milk sterilization.**

Adam, P. Sur les laits traités par l'H_2O_2. J. pharm. chim., Par., 1906, 6. ser., **23**: 273–7. Also Rec. méd. vét., 1906, **83**: 169–73.—**Bertarelli, E., Peragallo, I., & Caserio, E.** Il trattamento igienico del latte con H_2O_2 elettrolitica a 130 volumi. Ann. igiene, 1944, **54**: 33; 69; 108.—**Budde** (The) H_2O_2 process for sterilizing milk. Sc. Am., N. Y., 1909, **100**: 350.—**Buddeised** milk. Prescriber, Edinb., 1908, **2**: 36.—**Caserio, E.** Osservazioni e ricerche sull'impiego dell'H_2O_2 a 130 volumi nella conservazione del latte. Riv. ital. igiene, 1943, **3**: 88–95.—**Davel.** Leche cruda aséptica, Perhydrasemilch. Arch. lat. amer. pediat., B. Air., 1906, **2**: 323–38.—**Hewlett, R. T.** An experimental investigation of the Budde process for the preservation of milk. Lancet, Lond., 1906, **1**: 209–11. ——— Buddeised milk. Am. Med., 1918, **13**: 441.—**Lindman, C.** Buddisierung von Milch. Verh. Nord. Kongr. inn. Med. (1904) 1905, **5**: 272–80.—**Lukin, M.** Experimentelle Untersuchungen über Sterilisierung der Milch mit H_2O_2, unter spezieller Berücksichtigung des von Budde angegebenen Verfahrens. Zbl. Bakt., 2. Abt., 1905, **15**: 20; 165; Disc., 639.—**Moggi, D.** Primi esperimenti di alimentazione infantile con latte trattato con H_2O_2 elettrolitica 130 vol. Sperimentale, 1942–43, **96**: 475.—**Pasteurization** with H_2O_2. Fed. Sc. Progr., Wash., 1947, **1**: No. 4, 45.—**Petrini, M., & Attili, L.** Ricerche su nuovi metodi di bonifica del latte vaccino; latte O e latte trattato con H_2O_2 a 130 v. Boll. Ist. sieroter. milan., 1945, **24**: 127–42.—**Rousseau, E.** Etude sur la stérilisation du lait par l'H_2O_2. Bull. sc. pharm., Par., 1906, **12**: 616–20.—**Sarthou, J.** La stérilisation du lait par l'H_2O_2 et la laboratoire de Behring. Bull. méd., Par., 1906, **20**: 927. Also Clinique, Brux., 1906, **20**: 847–50.—**Satta, F. E.** La depurazione del latte con H_2O_2 elettrolitica 130 vol. Minerva med., Tor., 1942, **33**: pt 2, 451. Also Sperimentale, 1942–43, **96**: 465–74. ——— Significato e finalità del trattamento igienico del latte con H_2O_2 elettrolitica a 130 volumi. Riv. ital. igiene, 1948, **8**: 183–223.

—— Hygienic value.

Biarnois, J. *La P; sa nécessité; son action sur le lait de consommation. 78p. 8° Par., 1933.

Campbell, H. G. Why pasteurize milk. 7p. 8° Ottawa, 1930.
Forms Pamphl. No. 124, Canada Dep. Agr.

Jannin-Bouin, M. *L'hygiène du lait et la P tabulaire intégrale. 97p. 24½cm. Nancy-Laxou, 1937.

Marche, J. C. *Contribution à l'étude de la P et du contrôle hygiénique des laits. 112p. 24cm. Nancy, 1935.

Straus, N. [MP] an economic and social duty. 22p. 8° Heidelb., 1909.

Agramonte, A. Nota acerca de la P de la leche. Rev. méd. cubana, 1914, **24**: 11–7.—**American** (The) Medical Association and P. Canad. Pub. Health J., 1941, **32**: 173.—**Andrews, J., & Fuchs, A. W.** P and its relation to health. J. Am. M. Ass., 1948, **138**: 128–31.—**Bauer, W. W.** Shall we pasteurize? Hygeia, Chic., 1934, **12**: 124–58.—**Bergman, R.** MP och dess hygieniska betydelse. Sven. läk. tidn., 1944, **41**: 2407–20.—**Chamberlain, F.** The true facts about MP. Health, Toronto, 1941–42, **9**: No. 4, 18.—**Fouassier, M.** La P du lait devant l'hygiène et les industries du lait. Lait, 1936, **16**: 442–9.—**Greene, S. H.** The PM; the modern method of safeguarding milk against bacterial infection. West. Dietitian, 1926, **1**: No. 2, 28–30.—**Hall, D.** The weakness of P as a means of safeguarding the milk supply. J. State M., Lond., 1935, **43**: 24–7.—**Helmholz, H. F.** P, sterilization and boiling of milk. Tr. Am. Ass. Study Infant Mort. (1912) 1913, **3**: 206–18.—**Here** are your answers to question, Why pasteurize?; Why pasteurize milk? Pub. Health News, Trenton, 1941, **25**: 220.—**Hiscock, I. V.** Educational work as a factor in increasing the extent of P. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 46–61.—**Kenwood, H.** The trade PM and the public health. J. R. San. Inst., Lond., 1926–27, **47**: 355–60; Disc., 366.—**Knowlton, M. P** to protect health. Connecticut Health Bull., 1938, **52**: 249.—**Ledesma, C. H.** Fundamentos de la P de la leche. Arch. pediat. Uruguay, 1945, **16**: 292–6.—**MacGregor, R. R.** Threat of milk-borne disease; P is essential in the battle against disease. Health, Toronto, 1942–43, **10**: No. 2, 15.—**Menton, J., & Steele-Bodger, H. W.** Improvement in the public milk supply; is P necessary? Vet. Rec., Lond., 1930, **10**: 255–60.—**Müssemeier.** Zur Frage der Milcherhitzung in Sammelmolkereien. Zschr. Infektkr. Haustiere, 1942, **59**: 5–15.—**Perret.** De la P du lait. Obstétrique, Par., 1905, **10**: 199–207.—**Report** on PM. Tr. Am. Ass. Study Infant Mort. (1914) 1915, **5**: 276–82.—**Rotch, T. M.** The PM for public sale. Am. J. Pub. Hyg., 1907–08, n. ser., **3**: 181–210.—**Tustin, P. B.** P; a safeguard of public health. Vet. J., Lond., 1927, **83**: 184–8.—**West, G. A.** P for safe milk. Health Bur., Rochester, 1935, Sept., 2–4.—**Zelenski, T.** Zur Frage der P der Säuglingsmilch. Jahrb. Kinderh., 1906, **63**: 288–307.

—— In-the-bottle method.

Ayers, S. H., & Johnson, W. T., jr. Pasteurizing milk in bottles and bottling hot milk pasturized in bulk. 27p. 8° Wash., 1915.
Form Bull. No. 240, U. S. Dep. Agr. Prof. Paper. Dairy Div.

—— Laws and regulations.

See also **Milk sanitation.**

Act (An) concerning PM and cream. Connecticut Health Bull., 1943, **57**: 166.—**Bauer, W. W.** Debemos pasteurizar la leche (transl.) Hig. & salub., Bogotá, 1948, **2**: 181–6.—**Bruggen, A. C. van.** [Compulsory PM] Ned. tschr. geneesk., 1921, **65**: pt 2, 2937–48.—**Case** for P; Poole Corporation Bill. Brit. M. J., 1937, **1**: 571.—**Décret** du 26 avril 1939, relatif au contrôle des ateliers de P du lait [France] Bull. Off. internat. hyg. pub., Par., 1940, **32**: 400–5.—**Etchegaray, M.** Proyecto de ley sobre higienización y P de la leche para la capital federal. Rev. espec., B. Air., 1928, **3**: 20.—**Frank, L. C., Moss, F. J., & LeFevre, P. E.** Definitions of P and their enforcement. Am. J. Pub. Health, 1927, **17**: 131–9. Also Pub. Health Rep., Wash., 1927, **42**: 1152–62, 5 pl.—**Higienización** y P de la leche; fundamentos del proyecto de ley. Rev. espec., B. Air., 1928, **3**: 21–31.—**Kern.** La P obligatoire du lait à Strasbourg. Lait, 1926, **6**: 469.—**Neveu, R.** A propos du décret concernant

les laits pasteurisés. Ann. hyg., Par., 1939, n. ser., **17**: 396–401.—**Névot, A.** A propos des décrets des 26 et 28 avril 1939 sur les laits pasteurisés et non-pasteurisés. Rec. méd. vét., 1941, **117**: 210–4.—**Pien, J., & Baisse, J.** Le contrôle chimique de la P basse. Lait, 1934, **14**: 934–42.—**Regulation** requiring PM upheld. Bull. Dep. Health Seattle, 1923, **16**: No. 6.—**Reiss, F.** Die Notwendigkeit der Deklaration pasteurisierter Milch, eine Lücke in der Berliner Milch-Polizeiverordnung vom 15. März 1902. Molkereiztg, 1906, **15**: 73.—**Richter, K., & Seelemann, M.** Ueber die dringende Notwendigkeit einer Neuregelung der MP in Deutschland. Zschr. Hyg., 1926, **106**: 538–46.—**Safe** (A) milk supply; B. M. A. deputation to the Minister of Food. Brit. M. J., 1943, **1**: 265.—**Sala, A.** I motivi che impongono la trattazione termica del latte destinato al consumo. Riv. Soc. ital. igiene, 1939, **61**: 6–9.—**Tobey, J. A.** Pasteurization. In his Public Health Law, 3. ed., N. Y., 1947, 192–5.

—— Methods.

Bulharowski, G. Sur les pasteurisateurs instantanés. Lait, 1933, **13**: 772–85. ——— P rationnelle du lait. Ibid., 1934, **14**: 924–34. Also Arch. Mikrob., Berl., 1935, **6**: 1–8. ——— Sur le traitement du lait par le procédé Hofius-Richter-Crespi. C. rend. Acad. sc., 1943, **216**: 789.—**Meurer, R.** Betrachtungen über Milcherhitzungsverfahren und neuzeitliche Trinkmilchverarbeitung. Zschr. Fleisch Milchhyg., 1926–27, **37**: 253–62.—**Nobel, E.** Fortschritte auf dem Gebiete der Milchhygiene. Wien. med. Wschr., 1930, **80**: 656–61.—**Piras, L.** Sui metodi di trattamento termico nella P del latte. Igiene mod., 1934, **67**: 539–43.—**Present-day** methods of pasteurizing milk. J. Am. M. Ass., 1915, **65**: 530.—**Seligman, R.** Méthodes et procédés divers pour la P du lait. Lait, 1926, **6**: 425–40. ——— P methods. J. R. San. Inst., 1932, **53**: 19–30.

—— Methods: Comparison.

Brueckner, H. J., & Millenky, A. A comparative study of high temperature short-time P and holder P. Annual Rep. New York Coll. Agr., 1941, **54**: 122.—**Davo, A.** Sulla P del latte a bassa temperatura. Med. ital., 1928, **9**: 606–20.—**Gomensoro, J.** La P de la leche. Bol. Cons. nac. hig., Montev., 1931, **25**: 508–17.—**Hryniewicz, M., Ławrynowicz, A., & Wasilewska-Mironowiczowa, E.** [Comparative value of various methods in PM from viewpoint of epidemiology] Polska gaz. lek., 1929, **8**: 967.—**Mazé, T., Guérault, T., & Dinescu.** Détermination de la température de P du lait dans ses rapports avec les applications industrielles; influence du chauffage sur la conservation des propriétés physiologiques du lait. C. rend. Acad. sc., 1909, **148**: 1469–71.—**Roéland.** P hâtive et P tardive. Rev. path. comp., Par., 1939, **39**: 322–8.

—— Oxygen treatment.

Anselmi, S., & Russo, C. Latte trattato con ossigeno sotto pressione. Rendic. Ist. sup. san., Roma, 1943, **6**: 161–202.—**Ragazzi, C. A.** Il latte O. Riv. ital. igiene, 1942, **2**: 289–310.

—— Radiothermy.

Gehman, J. M. An experiment in MP. J. Electron. M., 1941, **25**: No. 3, 13 (Abstr.)—**O'Brine, J.** P de leche por medio del radio (transl.) Rev. san. vet., Madr., 1949, **4**: 335–9.

—— Relation to tuberculosis.

Chalmers, C. H. Tuberculosis and P of the milk supply. Proc. Nutrit. Soc., Cambr., 1945, **3**: 186–94.—**Humphriss, E., Peden, D., & Wright, H. D.** The adequacy of commercial P for destruction of tubercle bacilli. Lancet, Lond., 1937, **2**: 151.—**May, H. B.** Bovine tuberculosis and the PM. London Hosp., Gaz., 1943–44, **47**: 52–4.—**Meanwell, L. J.** An investigation into the effect of P on the bovine tubercle bacillus in naturally infected tuberculous milk. J. Hyg., Lond., 1927–28, **26**: 392–402. Also Vet. Rec., Lond., 1928, **8**: 272–4.—**Oehninger, L.** Tuberkulose und P der Kuhmilch. Naturärztl. Rdsch., 1935, **7**: 195–201.—**Rosa, A.** Sulla P del latte; ricerche su latte contaminato con bacilli di Koch di tipo bovino. Boll. Soc. ital. biol. sper., 1938, **13**: 1084–6.—**Scharr & Lentz.** Ueber die Zuverlässigkeit der Dauer-P in der Abtötung von Tuberkelbazillen in der Milch. Zschr. Fleisch Milchhyg., 1926–27, **37**: 202; 218.—**Sparapani, G. C.** Circa l'alimentarsi con latte pasteurizzato a bassa temperatura proveniente da animali tubercolosi. Umbria med., 1929, **9**: 1688–1694. ——— L'alimentazione con latte pasteurizzato a bassa temperatura proveniente da animali tubercolosi. Profilassi, 1930, **3**: 40–3.—**Sutherland, H.** [PM] Brit. M. J., 1943, **2**: 435.—**Virdis, F.** Contributo sperimentale allo studio dell'azione della temperatura di P a 63° C. sul bacillo della tubercolosi bovina nel latte a diversa concentrazione idrogenionica. Igiene mod., 1934, **27**: 19–28.—**White, R. G.** A study of the effect of P on the infectivity of the milk of tuberculous cows. Lancet, Lond., 1926, **1**: 222–5.

—— Research studies.

Brand, H. *Kritische und experimentelle Studien zur PM (Kuhmilch und Frauenmilch) 90p., 8° Zür., 1925.

Caserio, E. Osservazioni e ricerche sul latte pasteurizzato. Ann. igiene, 1934, **44**: 1013–9.—**Orr, T.** Is P the solution of the milk problem? Pub. Health, Lond., 1932, **45**: 326–35.—**Park, S. E., Graham, R.** [et al.] [PM] artificially infected with two strains of Brucella suis. J. Bact., Balt., 1932, **24**: 461–71.—**Schrott-Fiechtl, H.** Versuche über die Gewinnung keimarmer Milch auf der Ausstellung für Säuglingspflege in Berlin. Molkereiztg, 1906, **16**: 207–9.—**Seelemann, M.** Kritische Betrachtungen zur MP. Klin. Wschr., 1926, **5**: 1980–2.—**Wachter, L. M.** Recent P experiments. Abstr. Papers N. York Ass. Pub. Health Laborat., 1922, Mid-yr meet., 5.

—— Standards.

North, C. E., & Park, W. H. Standards for MP. Am. J. Hyg., 1927, **7**: 147–73.—**Tiedeman, W. D.** Maintaining standards of P. Health News, Albany, 1949, **26**: No. 6, 3–5.

—— Stassano's method.

Cayrou, R. *Contribution à l'étude de la P du lait destiné à l'approvisionnement des villes ou des grands centres dépourvus de bétail laitier; le procédé de H. Stassano, stassanisation. 145p. 23½cm. Toulouse, 1934.

Goepfert, H. J. M. P. *Lait cru et lait pasteurisé sous couche mince (procédé Stassano) en pédiatrie. 96p. 25cm. Nancy, 1933.

Albornoz, F. Stassanización; nuevo sistema de P de la leche. Rev. méd. Rosario, 1933, **23**: 69–75.—**Armas, J. de.** Necesidad de obtener leche pasteurizable; el metodo de la stassanización. Bol. Min. san., Caracas, 1939, **4**: No. 3, 85–9. Also Mem. Congr. venezol. leche, 1939, 1. Congr., 220–4.—**Christen, C.** La P du lait en circulation continue par le procédé de la couche mince, stassanisation. Lait, 1930, **10**: 241–56.—**Hansen, A. P.** Stasanización de la leche. Rev. hig. san. pccuar., Madr., 1931, **21**: 699.—**Høg Pedersen, E.** Resumen del 16 informe de la Estación experimental del Gobierno danes, sobre los resultados obtenidos por el ultimo modelo de la maquina stassanizadora. Mem. Congr. venezol. leche, 1939, 1. Congr., 356–60.—**Levi.** Stasanization—new method of PM. Sovet vrach. gaz., 1934, **38**: 1697.—**Lutterbach, J. A.** A stasanização do leite e o seu valor hygiénico. Bol. Secr. saúde, Rio, 1936, **2**: No. 5, 59–81, 5 pl.—**Marginesu, P., & Conti, O.** Ricerche sul comportamento del fattore C nel latte stassanizzato. Igiene mod., 1941, **34**: 1–11.—**Ninni, C.** Enrico Stassano ed il metodo della stassinizzazione del latte. Riforma med., 1934, **50**: 1319.—Nouveau agrégat de P du Docteur Stassano. Lait, 1937, **17**: 904–8.—**Olano y Bañares, J. R. R. de.** Pasteurización-stassanización. Mem. Congr. venezol. leche, 1939, 1. Congr., 349–52.—**Stassano, H.** De la conservation et de l'assainissement du lait. Lait, 1926, **6**: 533, pl.; passim.—**Traitement** du lait par la chaleur, stassanisation (transl.) Ibid., 1930, **10**: 382; 493; Disc., 728.

—— Supervision.

See subheading (Control)

—— Technic.

Adams, H. S. The P process. In his Milk & Food Sanit., N. Y., 1947, 84–96.—**Arthaud-Berthet, J., Perrier, A., & Dupont, L.** La P de la crême et l'emploi de ferments purs sélectionnés dans l'industrie beurrière; application pratique faite d'après l'étude des beurres fermiers d'Isigny. Rev. gén. lait., 1905–06, **5**: 217; 241.—**Belotti, E.** La P è e deve essere operazione di realità. Profilassi, 1933, **6**: 308–13.—**Dalrymple-Champneys, W.** Technical methods and devices in connection with the PM. J. R. San. Inst., 1932, **53**: 14–9. Also Mat. & Child Welf., Lond., 1932, **16**: 200.—**Demeter, K. J.** La P du lait des fromagerie considéré du point de vue des différentes espèces de fromages. Lait, 1938, **18**: 637–48.—**Frandsen, J. H.** How can the small milk producer meet P requirements? J. Milk Techn., 1941, **4**: 158–60.—**Fruehwald, H.** La P du lait servant à fabriquer le fromage Emmental. Lait, 1935, **15**: 573–8.—**Gorini, C.** Les acidoprotéolytes dans la P du lait pour la fabrication des fromages mous du type Bel Paese. Ibid., 570–3. ——— Production de lait de P facile. Ibid., 1938, **18**: 84–99.—**Keestra, F.** Sur des expériences ayant trait à la fabrication des fromages de gouda et d'edam en partant du lait pasteurisé, dans les laiteries de la Frise. Ibid., 1935, **15**: 691–8.—**Lederle, E. J.** [PM] Am. J. Pub. Hyg., 1907–08, n. scr., **30**: 164–81.—**Pederson, C. S., & Beavens, E. A.** Taking the guesswork out of pasteurizing. Food Indust., 1940, **12**: No. 4, 61–3.—**Pien, J.** La P du lait en vue de la fabrication des fromages. Lait, 1935, **15**: 748–55.—**Savage, W. G.** [MP] as a technical problem. J. Hyg., Lond., 1933, **33**: 42–54. Also Spanish transl., Bol. Of. san. panamer., Wash., 1933, **12**: 804–23.—**Vaillant, E.** Méthode sure et rapide d'appréciation des laits destinés à la P. Lait, 1935, **15**: 961–70.

—— Temperature-time relation.

See also other subheadings (High-temperature-short-time; Holding system)

Bever, A. K. v. The influence of temperature and pasteurizing time upon the enzymes and bacteria in milk. Enzymologia, Amst., 1943, **11**: 7–18.—**Hall, I. W.** Time factors in the PM. Brit. M. J., 1935, **1**: 972–4.—**Manceaux, L. H.**

Pasteurization. Rev. hyg., Par., 1928, **50**: 301–5.—**Park, W. H.** Thermal death points of pathogenic bacteria in milk; their influence in determining the temperatures for commercial P. Am. J. Pub. Health, 1927, **17**: 36–47.

—— tubular.

Corblin, H. La P tubulaire intégrale. Lait, 1931, **11**: 21–9.

—— Ultraviolet rays.

Ayers, S. H., & Johnson, W. T., jr. The destruction of bacteria in milk by ultra-violet rays. Zbl. Bakt., 2. Abt., 1914, **40**: 109–31.—**De Gasperi, F., & Sangiorgi, G.** Sulla questione della sterilizzazione del latte per mezzo pei raggi ultravioletti. Clin. vet., Milano, 1912, **35**: 529–36.—**Nicholson, E.** Pasteurizing with ultraviolet gives low bacteria count milk. Food Indust., 1947, **19**: 1495.—**Seiffert.** Ueber die Abtötung pathogener Keime durch Bestrahlung der Milch mit ultravioletttem Licht. Fortsch. Med., 1910, **28**: 897–902.

—— Universal application.

Bell, W. J. Universal P our first objective. Canad. Pub. Health J., 1929, **20**: 531–5.—**Eustis, R. S.** Should all milk be pasteurized? Boston M. & S. J., 1917, **176**: 710.—**Evans, W. A.** The advantages and disadvantages of P of all city milk. J. Am. Vet. M. Ass., 1932, **80**: 370–5.—**Heffernan, E. B.** City milk supply: a plea for P. Med. J. Australia, 1918, **2**: 157.—**Kenwood, H. R.** The P of the public milk supply. Brit. Food J., 1931, **33**: 81–3.—**Rotch, T. M.** The PM for public sale. Am. J. Pub. Hyg., 1907–08, n. ser., **3**: 135–54.—**Sala, A.** Tutto il latte destinato al consumo dovrebbe essere pastorizzato? e se sì, perchè? Profilassi, 1933, **6**: 51–3.—**Washburn, R. M.** Tout lait destiné à la consommation publique devrait-il être pasteurisé, et si oui, pourquoi? Lait, 1933, **13**: 179–91. Also Rev. méd. vera-cruz., 1935, **15**: 1475–86. Also Spec. Rep. Raw Milk (Dep. Health) Kansas City, 1941, 103–12.

—— by countries.

Baude, R. *La P des laits de consommation. 147p. 25½cm. Lyon, 1934.

Agramonte, A. Nota acerca de la P de la leche. An. Acad. cienc. méd. Habana, 1914, **50**: 903–11.—**Ballbé, C., Grau, C.** [et al.] Solicita se autorice la instalación de una usina para pasteurizar la leche. Bol. mun. La Plata, 1940, **31**: No. 287, 37–9.—**Guittonneau, G.** Le contrôle interprofessionnel de la P des laits dans la région parisienne; méthodes employées; résultats acquis après 10 mois de contrôle. Rev. path. comp., Par., 1942, **42**: 76–84.—**Lynovsky, O. P., Romysh, L. F., & Reut, A. I.** [PM in institutions for children] Pediatria, Moskva, 1940, No. 7, 85–90.—**Pascoe, J. V.** [PM] Austral. Hosp., 1946, **13**: No. 9, 21–4.—**Pasteurización** (La) de la leche en el Perú. Rev. san. policía, Lima, 1947, **7**: 293.—**Pasteurisation** (La) des laits de consommation. Bull. san. Algérie, 1939, **34**: 1–18.—**Ragazzi, C. A.** Progressi nella P del latte. Omnia med., Pisa, 1931, **9**: No. 6, 7–11.—**Rajendran, M. S.** [PM] Ind. Vet. J., 1946–47, **23**: 447–53.—**Resolución** que hace obligatoria la P de la leche destinada al consumo público en Maracay. Rev. san., Caracas, 1940, **5**: No. 2, 300.—**Rezende, M. M.** Pedido para obrigar as usinas a pasteurizar o leite. Arq. hig., S. Paulo, 1941, **6**: No. 13, 182.—**Rogick, F. A.** Contribuição ao estudo dos leites crús chegados à usina pasteurizadora, da Capital. Bol. indúst. animal, S. Paulo, 1941, **4**: No. 3, 82–97. ——— Flora colibacilar dos leites crús, chegados á usina pasteurizadora da Capital. Ibid., 1942, **5**: 12–6.—**Tetzlaff, F.** Informe acerca de la construcción de una planta de P de leche con capacidad para 7,000 litros diarios. Rev. san., Caracas, 1940, **5**: 383–93, plan.

—— by countries: Canada.

Baudouin, J. A. La P du lait. Union méd. Canada, 1943, **72**: 543–7.—**Berry, A. E.** Progress in P in Ontario. Canad. Pub. Health J., 1941, **32**: 208–12.—**Defries, R. D.** Efforts for the compulsory PM in the province of Quebec. Ibid., 1943, **34**: 389.—**Desmeules, R.** La P obligatoire du lait. Laval méd., 1943, **8**: 541–4.—**Groulx, A.** P in the province of Quebec; with special reference to Montreal. Canad. J. Pub. Health, 1946, **37**: 17–21. Also Med. Off., Lond., 1946, **75**: 141.—**Hershey, J. M.** A P program in British Columbia. Canad. J. Pub. Health, 1945, **36**: 316–20.—**Lacasse, G.** La P dans la province d'Ontario. Union méd. Canada, 1943, **72**: 540–2.—**Le Sage, A.** The PM in Quebec. Health, Toronto, 1946, **14**: 14.—**Murray, R. H.** The public and P. Canad. Pub. Health J., 1934, **25**: 28–30. ——— The extent of P in Canada. Ibid., 30. ——— Survey of P in Canada with a record of epidemics due to raw milk. Ibid., 1936, **27**: 555–9.—**Pasteurization** of milk. Health, Toronto, 1938, **6**: 12.—**Survey** of milk control, including the extent of P, in municipalities of 2000 population in Canada. Canad. Pub. Health J., 1941, **32**: 216–24.—**Vézina, C.** Pour la P obligatoire du lait. Laval méd., 1943, **8**: 400–4.

—— by countries: Great Britain.

Brockington, C. F. The evidence for compulsory PM. Brit. M. J., 1937, **1**: 667; 887.—**Complete** PM urged on the government [Gt Britain] J. Am. M. Ass., 1943, **122**: 390.—**Compulsory** PM. Brit. M. J., 1943, **1**: 512.—**Compulsory** P now. Lancet, Lond., 1943, **1**: 507.—**Göransson, R. N.** La mortalité infantile et la P du lait à Londres. Lait, 1938, **18**: 666–8.—**Health** department and trade inquiries. Med. Off., Lond., 1943, **69**: 15.—**Heat-treated** Milk (prescribed tests) Order, 1944, dated March 23rd, 1944, made by the Minister of Health under regulation 55G of the Defence (General) Regulations, 1939. Brit. Food J., 1944, **46**: 32–4.—**Horst, M. D.** [MP] in Engeland. Tschr. sociale geneesk., 1926, **4**: 103; 116.—**McCracken, I., & Stewart, A. M.** A review of the milk supply in Glasgow in relation to P. Glasgow M. J., 1937, **128**: 48–57.—[PM] J. R. Army M. Corps, 1935, **65**: 179–83. Also Vet. Rec., Lond., 1943, **55**: 150.—**Progress** of heat treatment for school milk. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 133.—**Sessel, L. E.** Mejora en los métodos de P de la leche; un par británico aconseja un nuevo sistema de immunización. Cruz Roja dominic., 1946, **12**: No. 3, 27.

—— by countries: South Africa.

Donnolly, P. A. [PM] Pub. Health, Johannesb., 1946, **10**: No. 4, 6–11.—**Fehrsen, F. O.** [PM] S. Afr. M. J., 1945, **19**: 302–7.—**Pullinger, E. J.** [PM] in South Africa. Ibid., 50–5.

—— by countries: United States.

Illinois. General Assembly. Joint Committee on Tuberculin Test and Pasteurization of Milk. Joint Committee of House and Senate to investigate the tuberculin test and the pasteurization of milk and its products, under House Joint Resolution No. 20. 471p. 8° Springf., 1910.

——— Report. 79p. 8° Springf., 1911.

All milk (87.5% of) sold in American cities is pasteurized. Memphis M. J., 1936, **11**: No. 8, 34.—**Andrews, J., & Fuchs, A. W.** National inventory of needs for sanitation facilities; MP facilities. Pub. Health Rep., Wash., 1944, **59**: 189–204.—**Dugan, S. V.** PM on the increase. Bull. Dep. Health Kentucky, 1941–42, **14**: 381.—**Levy, G. J.** 87.5% of all milk sold in American cities is pasteurized. Memphis M. J., 1935, **10**: 38.—**Neff, R. E.** Hospital contracts to pasteurize. Mod. Hosp., 1937, **48**: 90–4.—**Putnam, G. W.** Chicago's program for correction of P defects. Am. J. Pub. Health, 1927, **17**: 121–30.—**Shere, L.** Status of MP in Illinois. Illinois M. J., 1927, **51**: 142–8.

MILK (pasteurized)

Abbrev.: LP for lait pasteurisé and equivalents; PM for pasteurized milk and equivalents.

See also **Milk (sterilized)**

Adams, H. S. [PM] eller ej [transl.] Hyg. rev., Stockh., 1949, **38**: 379–85.—**Amyot, J. A.** The advantages and disadvantages of PM. Dominion M. Month., 1909, **33**: 51–60.—**Boynton, W. H., & Nelbach, P. E.** A colorimeter for the phosphatase test. Contr. Dep. Pub. Health Yale, 1937–39, **16**: No. 14, 1.—**C., C. H.** Pasteurised and heat-treated milk. Health Bull., Edinb., 1943–45, **3**: 10.—**Chesney, F.** [LP] Ann. falsif., Par., 1914, **7**: Bull., 278.—**De Blasi, D.** Il LP. Rass. clin. sc., 1928, **6**: 309–15.—**Destrée & Nélis.** Conditions à exiger des LP et des laits stérilisés. Bull. san. pub., Brux., 1946, **8**: 228.—**Geiger, J. C.** Concerning PM. California West. M., 1942, **56**: 276.—**Hardt, O.** [PM] Ugeskr. laeger, 1941, **103**: 1411–4.—**Knox, J. H. M.,** jr. A study of hospital and dispensary milk in warm weather; with special reference to P. Arch. Pediat., N. Y., 1907, **24**: 516–21.—**Leche** (La) pasteurizada (transl.) Rev. med. cir., Barranquilla, 1949, **16**: 23–42.—**Meyer, A.** [LP] Rev. As. méd. mex., 1926, **5**: 1319–28.—**Oijen, C. F. v.** [Requirements of milk to be pasteurized] Handel. Ned. Congr. openb. gezondh., 1936, 193–205.—**Ostertag.** Die Einfuhr PM aus Dänemark nach Berlin. Molkereiztg, 1905, **15**: 301.—**Pasteurised** milk. Med. Off., Lond., 1938, **59**: 115. Also News Lett. Massachusetts Dep. Pub. Health, 1938, **3**: No. 3, 7. Also Week. Bull. Oregon Bd Health, 1941, **19**: No. 14, 1; No. 16, 1.—**Pennington, M. E., & McClintock, J. A.** A preliminary report on the pasteurized and clean milk of Philadelphia. Am. J. M. Sc., 1905, n. ser., **130**: 140–9.—**Vieilly, J.** Le LP dans le Sud-Est de la France. Bull. Acad. méd., Par., 1939, 3. ser., **122**: 342–7.—**Visme, R. de.** [LP] Normandie méd., 1914, **30**: 301.

—— Bacteria.

Clarke, J. J., & Dougherty, J. M. *A study of thermophilic bacteria in PM [Ph. D.; Catholic Univ. America] 56p. 23cm. Wash., 1926.

Rogers, L. A. The bacteria of pasteurized and unpasteurized milk under laboratory conditions. 32p. 8° Wash., 1905.

Forms Bull. No. 73, U. S Bur. Anim. Indust.

Seibel, E. E. *Hitzefeste Bakterien in der bei 63°C ½-Stunde dauer-PM [Kiel] p.41–79. 8° Berl., 1926.

SLANETZ, L. W. Prevalence and classification of hemolytic streptococci in PM. 12p. 8° Durham, 1938.
Forms Tech. Bull. 70, N. Hampshire Agr. Exp. Sta.

WOLF, F. J. K. *Säuregrad und Keimgehalt bei gewöhnlicher und bei PM. 31p. 8° Berl., 1906.

Beattie, J. M. La bactériologie du LP. Lait, 1926, **6**: 567.—**Beattie, M.** Use of a differential stain in the direct enumeration of bacteria in PM. Am. J. Pub. Health, 1927, **17**: 1031–4.—**Bowes, G. K.** The bacterial counts of PM. Pub. Health, Lond., 1927–28, **41**: 364–7.—**Breed, R. S.** Report of investigation of thermophilic bacteria in PM. Abstr. Papers N. York Ass. Pub. Health Laborat., 1928, Mid-yr meet., 2. ——— Les bactéries thermophiles du LP par la P basse. Lait, 1933, **13**: 60–81. ——— **Prickett, P. S.,** & **Yale, M. W.** The significance of thermophilic spore-forming bacteria in PM. J. Bact., Balt., 1929, **17**: 37.—**Cambosu, G.** Ricerche sul modo di comportarsi di germi non patogeni e di germi patogeni nel LP e nel latte cotto e nel loro siero. Igiene mod., 1936, **29**: 213; 247.—**Dockeray, G. C.,** & **Scott, B. A. M.** The bacteriological content of Dublin PM. Irish J. M. Sc., 1932, **83**: 653–64, 2 pl.—**Egan, H. E.** Evaluation of the coliform index of PM. Med. Bull. Off. Chief Surgeon Europ. Command, 1948, **5**: No. 5, 15.—**Fischer, H.** Untersuchungen über den Keimgehalt der pasteurisierten Schulmilch. Mitt. Lebensmitteluntersuch., Bern, 1947, **38**: 48–63.—**Fouassier, M.** Les microorganismes persistant dans le lait après la pasteurisation: leur rôle sur la décomposition de l'H_2O_2. C. rend. Acad. sc., 1920, **171**: 327.—**Fugazza, E.** Colonie a punta di spillo e germi termoresistenti e termofili nel LP. Igiene mod., 1936, **29**: 235–46.—**Gorini, C.** Bactéries acidoprotéolytiques dans le LP. C. rend. Acad. sc., 1930, **191**: 885. ——— Azidoproteolyten und thermophile Bakterien bei der PM. Zbl. Bakt., 1. Abt., 1932–33, **127**: 357–60.—**Graham, V. E.,** & **Orme, W. H.** A laboratory procedure for detecting and eliminating thermoduric bacteria from PM. Canad. Pub. Health J., 1941, **32**: 70.—**Guerriero, F.** Ricerche del bacillo tubercolare nel latte della Campania prima e dopo la P; presenza di bacilli tubercolari anche tipo umano. Gior. batt. immun., 1939, **22**: 476–98.—**Guittonneau, G., Mocquot, G.,** & **Eyrard, A.** Recherches sur la P des laits de consommation; choix d'un milieu de culture pour la numération des germes microbiens. Lait, 1938, **18**: 225–33.—**Harding, H. A., Ward, A. R.,** & **Harding, H. G.** The bacterial flora of PM. J. Bact., Balt., 1929, **17**: 35.—**Hershey, J. B.** The effect of P on the nutr. requirements of milk bacteria. Ibid., 1942, **43**: 117.—**Hucker, G. J.** A study of the cocci resisting P temperatures. Zbl. Bakt., 2. Abt., 1928, **76**: 17–27.—**Jensen, C.** Untersuchungen über den Gehalt an Bacterium coli in PM. Deut. tierärztl. Wschr., 1943, **51**: 270–2.—**Jong, D. A. de.** [PM] en ziektekiemen. Tschr. veeartsenijk., 1907–08, **35**: 1–25.—**Kalkbrenner, A.** Die hygienisch-bakteriologische Beschaffenheit der pasteurisierten und bestrahlten Molkercimilch in einer hessischen Grossstadt. Zschr. Hyg., 1949, **129**: 9–31.—**Keith, T. S.** The bacterial count in PM. Med. Off., Lond., 1930, **43**: 255.—**Kitchen, J. M. W.** Milk bacteria which proliferate before, and those which survive P; new methods applied to meet an as yet unremoved menace. Med. Rec., N. Y., 1917, **92**: 409–14.—**McCutcheon, C. T.,** & **Harding, H. A.** Methods of controlling the bacterial content of PM. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 28–39.—**Mello, A.** Pesquisa do M. tuberculosis no LP da Capital. Bol. indúst. animal, S. Paulo, 1942, **5**: No. 4, 7–14.—**Milk**; the use of a differential stain in the direct enumeration in PM. Canad. M. Ass. J., 1930, **23**: 559.—**Oijen, C. F. van.** Contrôle op de doeltreffendheid van pasteurisatietoestellen voor melk, in het bijzonder met het oog op het passeeren van levensvatbare tubercelbacillen. Tschr. diergeneesk., 1939, **66**: 1055–75.—**Resistance** of streptococci to P. Am. J. Pub. Health, 1934, **24**: 67–71.—**Shrader, J. H.** Significance of the tuberculin test in a PM supply. Ibid., 1925, **15**: 767–70.—**Soriano, A. M. de.** Estudio microbiológico de la LP y embotellada que se vende en la ciudad de Buenos Aires. Rev. As. argent. diet., 1944, **2**: 224–7. ——— Estudio microbiológico de las LP, durante su conservación. Ibid., 1946, **4**: 63–73.—**Stark, C. N.** Some media for the detection of gram-ncgative bacteria in PM. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 723.—**Thomen, A. A.** How free of living germs is PM? In his Doctors Don't Believe It, N. Y., 1941, 5–7.—**Ward, A. R.,** & **Myers, C. E.** Influence of dead bacteria on microscopic counts of PM. Am. J. Pub. Health, 1937, **27**: 899–905.—**Wright, H. D.** The cultivation of streptococci from PM. J. Path. Bact., Cambr., 1936, **42**: 31–44.—**Yale, M. W.** Comparison of solid with liquid media as a means of determining the presence of lactose fermenting bacteria in PM. Am. J. Pub. Health, 1937, **27**: 564–9.

—— certified.

See also **Milk (certified)**

Eustis, R. S. Certified milk, pasteurized. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, **23**: 121–9.—**Guittonneau, G.** Nouvelles remarques sur la question du LP certifié en France. Bull. Acad. méd., Par., 1945, **129**: 472; 1946, **130**: 457.—**Mayo, C. H.** Hopes certified milk, pasteurized, will be extensivcly produced. Certif. Milk, 1935, **10**: No. 114, 7.—**Pasteurization** of certified milk. J. Am. M. Ass., 1935, **105**: 601.

—— Changes.

RUPP, P. Chemical changes produced in cow's milk by P. 15p. 8° Wash., 1913.

WEINLIG, A. F. *Physikalische und chemische Veränderungen der Milch beim P. [Kiel] 78p. 8° Greifswald, 1922.

WIEGAND, P. *Ueber die Veränderungen der PM beim offenen Verkauf [Heidelberg] 23p. 22cm. Heppenheim-B., 1937.

Barillé, T. De l'existence des carbonophosphates dans le lait; leur précipitation par la P. J. pharm. chim., Par., 1909, 6. ser., **30**: 444–52. Also Séance Congr. Ass. fr. avance. sc., 1909, 38. Congr., 220. Also C. rend. Ass. fr. avance. sc. (1909) 1910, **38**: 329–34.—**Bergey, D. H.** Influence of P on the chemical and physical qualities of milk. Proc. Path. Soc. Philadelphia, 1905, n. scr., **8**: 102–7.—**Elsdon, G. D.,** & **Stubbs, J. R.** The freezing-point of pasteurised and sterilised milks. Analyst, Lond., 1933, **58**: 7–10.—**Fearis, W.** The effect of the destruction of lactic acid bacteria by pasteurisation of milk. Lancet, Lond., 1935, **1**: 1015.—**Frullini, P. L.** Modificazioni della polvere di cocciniglia nel latte crudo e pasteurizzato. Igiene mod., 1935, **28**: 166.—**Henry, K. M., Kon, S. K.,** & **Watson, M. B.** The effect of commercial P on the biological value and digestibility of the proteins (nitrogen) of milk. In: Milk & Nutr. (G. Brit. Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 37–44, pl., tab.—**Iandolo, C.,** & **Lombardi, M.** Modificazioni chimico-fisiche del latte di vacca in seguito alla P. Boll. Soc. ital. biol. sper., 1932, **7**: 626–30.—**Isaachsen, H.** [Chemical and biologic effects of P and sterilization in milk] Norsk mag. laegevid., 1932, **93**: 421–9.—**Maddock, C.** The effect of pasteurization on milk. Vet. J., Lond., 1927, **83**: 346–9.—**Porcher, C.,** & **Thieulin, G.** Essais sur la fabrication du port-salut en partant de LP, réensemencés de levain lactique. Lait, 1935, **15**: 19–28.—**Schryver, S. B.** Rapport sur les transformations chimiques subies par le lait pendant la P. Ibid., 1926, **6**: 448–55.—**Tria, E.,** & **Zummo, C.** Modificazioni chimiche e chimico-fisiche del latte di vacca in seguito alla P. Boll. Soc. ital. biol. sper., 1934, **9**: 178–80.—**Waisman, S., G.,** & **Petazze, M. L. A.** Algunas transformaciones químicas que experimenta la LP cuando se la mantiene a la temperatura del ambiente. Rev. As. argent. diet., 1944, **2**: 93–106.

—— Contamination.

See also subheading (Bacteria)

GROS, F. *Ueber die nachträgliche Verschmutzung PM im Offenverkauf [Heidelberg] 31p. 8° Erlangen-Bruck, 1938.

Fuchs, A. W. Contamination of PM by improper relative pressures in regenerators. Pub. Health Rep., Wash., 1938, **53**: 496–505.—**Murray, J. G.** Ropy contamination in PM. Proc. Soc. Appl. Bact., Lond., 1949, 17.—**Sansby, J. M.** Contamination of PM, including bacteriological study of the milk after it is poured from bottles contaminated externally with B. coli. Arch. Pediat., N. Y., 1938, **55**: 22–8.—**Pratt, A. D.** Does the nickel dissolved from the container during pasteurization catalyze the destruction of the vitamins of milk? J. Nutrit., 1930–31, **3**: 141–56.—**Stoppel, F.** Der Nachweis und die Bestimmung von Rohmilchzusatz zu PM nach dem Verfahren von Orla-Jensen. Zschr. Untersuch. Lebensmitt., 1937, **73**: 327–9.

—— Control.

STEIN, K. S. *Om Kontrollering af PM. 175p. 25cm. Kbh., 1937.

Alff, E. C., & **Buchbinder, L.** The practical significance of so-called heat-resistant coliform organisms in the coliform testing of PM. J. Bact., Balt., 1947, **53**: 505.—**Babcock, C. J.** Use of coliform test in controlling the quality of PM. Bull. U. S. Army M. Dep., 1943, No. 69, 81–4.—**Barkworth, H.** Coliform organisms and pasteurization. Army Vet. Bull., 1942, **36**: 311–25.—**Buchbinder, L.,** & **Fertig, J. W.** A survey of the coliform status and suggested standards for coliform control of PM in a large city. J. Bact., Balt., 1946, **51**: 589.—**Cooper, K. W., Woodman, D.,** & **Nicholls, F.** The laboratory control of PM. Med. Off., Lond., 1943, **69**: 109–11.—**Gilereas, F. W.** The value of the direct coliform count in the control of PM. Proc. N. York Ass. Pub. Health Laborat., 1947, **27**: 57.—**Guittonneau, G., Mocquot, G.,** & **Eyrard, E.** Recherches sur la P des laits de consommation; sur la colimétrie appliquée aux contrôles de la P des laits et des LP. Lait, 1939, **19**: 113–39.—**Martínez Pecoïts, C. C.** El test coli en la P de la leche. Rev. Fac. cienc. quím. (La Plata) (1946) 1947, **21**: 45.—**Moffat, A. B.,** & **Mackay, J.** The coliform test in PM. Canad. Pub. Health J., 1938, **29**: 283–7.—**Riva, A.,** & **Scrimaglio, E.** La colimetria en leches como test de P. Fol. biol., B. Air., 1937, 325–7.—**Tiedeman, W. v. D.,** & **Hohl, N. J.** Improved laboratory control of PM. Med. Off., Lond., 1938, **59**: 257.

—— Cream.

See **Milk cream**, Pasteurization.

—— Digestibility.

Margaria, R., & Moruzzi, G. Curva di titolazione e potere regolatore del latte crudo e pasteurizzato. Q. nutriz., Bologna, 1937, 4: 226–32.—**Terroine, F., & Spindler, H.** De l'influence des divers procédés de P par chauffage sur la digestibilité des constituants albuminoïdes et minéraux du lait. Lait, 1925, 5: 241–56.

—— Distribution.

Lampard, M. E. [P] of milk and the new distribution scheme. Brit. M. J., 1940, 2: 134.—**Macgregor, A. S. M.** The place of P in a scheme of milk distribution. Ibid., 1930, 2: 463–5. Also Canad. M. Ass. J., 1930, 23: 544–7.—**Ostertag.** Wie hat sich die Gesundheitspolizei gegenüber dem Verkauf PM zu stellen? Aerztl. Sachverstztg, 1905, 11: 277. Also Zschr. Fleisch Milchhyg., 1905, 15: 293–5.—**Savage, W. G.** Pasteurisation in relation to milk distribution. Lancet, Lond., 1931, 1: 543–6.—**Straus, N.** [LP]; sa distribution à New-York [Rap.] Gaz. mal. inf., Par., 1905, 7: 169; 177.

—— Enzymes.

De Filippis, V., & Randieri, V. Saggi zimoscopici a 37° su diversi latti crudi e pastorizzati; rapporti con la carica batterica. Riv. ital. igiene, 1942, 2: 112–29.—**Gorini, C.** Un ensilage lactique thermophile pasteurisé. Lait, 1938, 18: 673–81.—**Reiz, G.** [Die enzymatische Eigenschaften PM] Vopr. pitan., 1935, 4: No. 3, 78.

—— Examination [Abbrev.: LP for lait pasteurisé; PM for pasteurized milk; P for pasteurization]

Fritzsche, M. H. R. *Zur hygienischen Untersuchung und Beurteilung PM. 48p. 8° Lucka, 1931.

Bengen, M. F. Der Nachweis der Milch-P. Zschr. Untersuch. Lebensmitt., 1934, 68: 80–4. —— & **Bohm, E.** Ueber die Brauchbarkeit einiger Verfahren zum Nachweise der P von Milch. Ibid., 67: 379–97.—**Buttenberg, P.** Zur Untersuchung der PM. Zschr. Untersuch. Nahrungsmitt., 1906, 11: 377–85.—**Cambosu, G.** Il molibdato d'ammonio come indicatore dell'avvenuta P del latte. Igiene mod., 1935, 28: 222–4.—**Examination** of PM. Brit. M. J., 1935, 1: 885.—**Frost, W. D.** The detection of PM. Univ. Wisconsin Stud. Sc., 1921, No. 2, 151–63, 2 pl.—**Galvagno, O.** Sull'esame del LP. Gior. Soc. ital. igiene, 1907, 29: 241; 289. Also Zbl.-Bakt., 2. Abt., 1908, 21: 632–47.—**Ikeda, T., Yamada, T., & Matui, T.** Teion sakkin-gyūnyū no seibutu-kagaku-teki torisimari ni kan-suru kenkyū [Studies on the biochemical control of PM] Kōsei kagaku, 1940–41, 1: 569; passim.—**Kay, H. D., & Neave, F. K.** Simple test for efficiency of P. Lancet, Lond., 1935, 1: 1516–8.—**Leahy, H. W.** A practical test of P. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, 23: 93–108.—**Münchberg, F.** Ueber Albuminproben zur Erkennung dauer-PM. Wien. tierärztl. Mschr., 1936, 23: 725–30.—**Perria, M.** Ricerche sul meccanismo della reazione del molibdato d'ammonio per la differenziazione del latte crudo da quello pastorizzato. Igiene mod., 1941, 34: 146–50.—**Roger, D. M.** Practical experience with the Scharer rapid field test for P. Am. J. Pub. Health, 1938, 28: 1325–7.—**Sánchez-Marroquín, A.** Pruebas para el control de la P de la leche y productos lácteos. Ciencia, Méx., 1947–48, 8: 280–4.—**Scharer, H.** A new test for P. Q. Bull. N. York Dep. Health, 1938, 6: 55.—**Strohecker, R., & Schnerb, J.** Zum Nachweis der Dauer-P der Milch. Zschr. Untersuch. Lebensmitt., 1933, 65: 85–95.—**Tapernoux, A.** Recherche de l'eau oxygénée dans les LP. Lait, 1928, 8: 410. —— Recherches sur le diagnostic de la P du lait de vache. C. rend. Soc. biol., 1933, 114: 649–52.—**Van Bever, A. K., & Straub, J.** La signification de la réaction de Storch, de la vitesse de montée de la crème, ainsi que de la détermination des phosphatases pour le contrôle de la P du lait. Lait, 1943, 23: 97; 222.—**Waal, J. W. de.** [Investigation on PM] Antonie van Leeuwenhoek, Amst., 1935, 2: 15–26.—**Witte, J.** Zur Kontrolle der Milcherhitzung durch das Guajakreagens und die Bestimmung des Gehaltes an Coli-aerogenes-Bakterien. Deut. tierärztl. Wschr., 1944, 52: 175–9.—**Wolf, C. H.** Die Erkennung dauer-PM. Ibid., 1930, 38: 443; 681.—**Zeller, H.** Ueber den Nachweis der Dauer-PM. Münch. tierärztl. Wschr., 1935, 86: 193–9.

—— Forensic aspect.

Dosch, A. The PM fraud. Pearson's Mag., N. Y., 1910, 24: 721–9.—**Milk;** unclean vessels; misuse of designation PM. Brit. Food J., 1943, 45: 48.—[PM] not as described. Analyst, Lond., 1943, 68: 216.—**Tobey, J. A.** Court decisions on P. Pub. Health Rep., Wash., 1927, 42: 1756–60. —— Pasteurization and the courts. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, 23: 109–19. Also N. England J. M., 1935, 212: 613–6.

—— Grade A milk.

See also **Milk grading,** Grade A milk.

Illinois, U. S. A. Department of Public Health. Educational health circular No. 135: Grade A milk, pasteurized, raw; grade A milk products; law and minimum requirements for interpretation and enforcement. 40p. 23cm. Springf., 1943.

Brooks, C. A bacteriological study of grade A PM. Am. J. Pub. Health, 1930, 20: 1209–15.—**Bundesen, H. N.** Inaugurating grade A PM in the city of Chicago. Ibid., 1937, 27: 680–4.—**Soares Filho, F.** Baixa acidez em LP tipo A. Bol. indúst. animal, S. Paulo, 1943, 6: No. 4, 84–92.

—— Health safety.

Carroll, F. B. [PM] is safe milk. Commonhealth, Bost., 1938, 25: 320.—**Münchberg, F.** Die hygienische Beurteilung PM. Wien. tierärztl. Mschr., 1933, 20: 278–84.—**Only** (The) safe milk is PM. Health News, Albany, 1942, 19: 86.—**Picton, W.** Safe milk. Brit. M. J., 1942, 2: 592.—**Thieulin, G.** Garantie hygiénique des LP. Bull. Acad. méd., Par., 1941, 125: 400–2.

—— in-the-bottle.

Forgács, T. Colimetrische Kontrolle der Budapester pasteurisierten Flaschenmilch. Zschr. Untersuch. Lebensmitt., 1935, 69: 248–51.—**Hemmes, G. D., & Wesemael, P. J. V. v.** Paratyphusepidemie, ontstaan door gebruik van in flessen PM. Ned. tschr. geneesk., 1949, 93: 1892–7.—**Schulz, H.** Der Uebergang von Kieselsäure in die Milch beim Sterilisieren in Gasflaschen. Münch. med. Wschr., 1912, 59: 353.

—— Keeping quality.

Baker, J. C., & Van Slyke, L. L. A method for the determination of the keeping quality of milk. J. Biol. Chem., 1919, 40: 373–82.—**Margaria, R., & Moruzzi, G.** Sulla durata di conservazione del latte crudo e stassanizzato. Ateneo parm., 1936, 8: 301–8.

—— Minerals.

Auchinachie, D. W. An investigation into the effect of P on the availability of the Ca and phosphorus of cows' milk. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 32–6, tab.—**Barillé, A.** De l'existence des carbonophosphates dans le lait; leur précipitation par la P. C. rend. Acad. sc., 1909, 149: 356–8.

—— Nutritive value.

See also **Milk (raw)**

Krauss, W. E., Erb, J. H., & Washburn, R. G. Studies on the nutr. value of milk; the effects of pasteurization on some of the nutr. properties of milk. 33p. 8° Wooster, 1933.

Forms No. 518, Bull. Ohio Agr. Exp. Sta.

Stirling, J. D., & Blackwood, J. H. The nutr. properties of milk in relation to P; a review of the existing knowledge. 80p. 8° Glasgow, 1933.

Forms: Bull No. 5, Hannah Dairy Res. Inst.

Bartlett, S. Summary of available information. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1938, pt 3, 25, tab. —— **Cotton, A. G., & Mackintosh, J.** Experiment at the National Institute for Research in Dairying. Ibid., 6–13, tab.—**Cimmino, A.** Considerazioni e ricerche sul valore alimentare del LP. Q. nutriz., Bologna, 1934–35, 1: 122–44.—**Crichton, J. A., & Biggar, W. A.** Experiments at the Rowett Research Institute. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1938, pt 3, 14–22, 2 tab. Disc., 23.—**Ellis, M., & Mitchell, H. H.** The effect of the P of milk on the utilization of its Ca for growth in the rat. Am. J. Physiol., 1933, 104: 1–9.—**Freudenreich, E. de.** Sur la P du lait dans l'alim. de l'enfance. Rev. gén. lait, 1904–05, 4: 433–7.—**McCollum, E. V.** The nutr. aspects of milk P. Am. J. Pub. Health, 1934, 24: 956–8. Also Week. Bull. California Dep. Pub. Health, 1934, 13: 137–9. Also Pub. Health News, Trenton, 1935, 19: 387–9.—**McHenry, E. W.** The nutr. value of PM. Canad. Pub. Health J., 1934, 25: 22–5.—**Maurer, S.** The effect of a diet of PM upon performance in rats. J. Comp. Psychol., 1935, 20: 393–5.—**Nutr.** (The) value of PM. Annual Rep. Chief M. Off. Min. Health, Lond. (1936) 1937, 146–8.—**Pröscholdt, O.** Fütterung mit Molken und Buttermilch von dauerpasteurisierter Milch an Schweine in der mit Dauerpasteurisierungseinrichtung ausgestatteten Molkerei. Arch. wiss. prakt. Tierh., 1928, 58: 313–22.—**Savage, W. G.** The effect of P upon the nutr. properties of milk. Lancet, Lond., 1933, 1: 429; 485.—**Simonnet, H., Guittonneau, G.** [et al] De l'influence de la P à l'abri de l'air sur la valeur nutr. du lait. Bull. Soc. méd. Paris, 1937, 204: 1690–2.—**Vincent, R.** On PM and its effects. Am. Med., 1913, n. ser., 8: 365–8.

—— Nutritive value, comparative.

See also **Milk nutrition; Milk (raw)**

Brückler, F. F. Q. *Zwei Ziegenfütterungsversuche mit roher und gekochter Kuhmilch; ein Beitrag zur Frage der Ueberlegenheit der rohen

oder der gekochten Milch [Rostock] 29p. 8°. Berl., 1907.

GLET, P. *Ueber die Einwirkung von roher, dauer- und hoch-pasteurisierter Milch auf den tierischen Organismus, auf Grund von Versuchen an Meerschweinchen, Ferkeln und Kälbern [Kiel] p.328–66. 8°. Berl., 1929.
Also Milchwirtsch. Forsch., 1929, 8:

GREAT BRITAIN. MILK NUTRITION COMMITTEE. Milk and nutrition. Pt 2: The effects of dietary supplements of pasteurised and raw milk on the growth and health of school children (Interim report) 34p. 25cm. Reading, 1938.

ZIMMER, J. *Ueber Kalkresorption im Tierkörper bei Verwendung von pasteurisierter und sterilisierter Milch. 13p. 8°. Strassb., 1911.

Achard, G., & Stassano, H. Quelques constantes physico-chimiques du lait cru et du LP selon différents procédés. C. rend. Soc. biol., 1925, **93:** 708–10.—**Anderson, E. B., & Meanwell, L. J.** Raw milk quality and P. J. R. San. Inst., 1949, **69:** 24–31.—**Anderson, H. D.** A comparison of the nutr. values of raw, pasteurized, and evaporated milks for the dog. Summaries Doct. Diss. Univ. Wisconsin, 1942, **6:** 24–6.—**Arango Lombardero, S.** Debemos prescribir cruda o cocida la leche de vacas? Congr. españ. internac. tuberc. (1912) 1914, 2. Congr., **2:** 261–3.—**Bahrs, A. M., & Wulzen, R.** Effect of supplemented raw and PM upon growth and well-being of rats. Certif. Milk, 1941, **16:** No. 180, 5.—**Brandenburg, K.** Rohe und PM. Med. Klin., Berl., 1938, **34:** 1716. ——— Der Nährwert von roher und von keimfrei gemachter Milch. Ibid., 1940, **36:** 193.—**Catel, W.** Ueber den Einfluss roher und autoklavierter Milch auf Wachstum und Stoffwechsel (Tierversuche) Jahrb. Kinderh., 1931–32, 3. ser., **84:** 278–303.—**Coll y Bofill, J.** Debemos prescribir cruda o cocida la leche de vacas? Congr. españ. internac. tuberc. (1910) 1912, 1. Congr., 1026–38.—**Elvehjem, C. A.** A study of the nutritional value of raw and PM. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24:** 196–204.—**Escudero, A., & Waisman, S. G.** Influencia de la leche cruda y de la hervida sobre el crecimiento de la rata blanca y la composición química de sus cenizas. Actas Congr. nac. med., Rosario, 1934, **5:** pt 4, 809–13.—**Frank, L. C., Clark, F. A.** [et al.] Do children who drink raw milk thrive better than children who drink heated milk? Pub. Health Rep., Wash., 1932, **47:** 1951–60. Also Médecin chez lui, 1935, **12:** No. 15, 30–7.—**Harding, H. A.** Pasteurized vs. raw milk. Illinois M. J., 1932, **62:** 374–8.—**Henry, K. M., & Kon, S. K.** Comparison of the total nutritive value of raw and commercially PM. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 57–63, 3 tab.—**Kaufmann, G. L.** Certified boiled vs boiled PM. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 221–3.—**Krauss, W. E.** Raw versus PM from the nutr. standpoint. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21:** 76–89. ——— [et al.] Raw versus PM; anemia, development, growth, and calcification. Bimonth. Bull. Ohio Agr. Exp. Sta., 1932, No. 154, 3–6.—**Laughlin, T. L.** Raw vs. PM. North Am. J. Homeop., 1908, **56:** 119–22.—**McHenry, E. W.** The nutritional value of raw and PM. Canad. Pub. Health J., 1938, **29:** 295–7.—**Mattick, E. C. V., & Golding, J.** Relative value of raw and heated milk in nutrition. Lancet, Lond., 1931, **1:** 662; 1936, **1:** 1132; **2:** 702.—**Nutr.** value of raw and PM. Vet. Rec., Lond., 1937, **17:** 622. Also Brit. M. J., 1939, **2:** 1144.—**Nyrop, E.** [Should we use raw or PM?] Ugeskr. laeger., 1934, **96:** 606; 628.—**Orla-Jensen.** [Should we drink raw or PM?] Ibid., 752–4.—**Raw** and PM. Brit. M. J., 1938, **2:** 1049.—**Raw** versus PM. N. Zealand M. J., 1938, **37:** 4.—**Rochaix, A., & Thévenon, L.** Lait cru et lait cuit. Rev. hyg., Par., 1910, **32:** 497–518.—**Schroeder, E. C.** An experiment with raw and heated cow's milk and its lesson; with comments on Bacillus abortus. Am. J. Dis. Child., 1913, **6:** 334–43.—**Titus, E. W.** Cow's milk, raw and heated. Med. Rec., N. Y., 1914, **86:** 58–61.—**Use** (On the) of raw milk as a food and the sterilization of milk. Diet. & Hyg. Gaz., N. Y., 1905, **21:** 529–32.—**Wilson, G. S., Minett, F. C., & Carling, H. F.** The nutr. value of raw and PM for calves. J. Hyg., Cambr., 1937, **37:** 243–53. Also Vet. Rec., Lond., 1937, **17:** 818–24.

—— Pathological effect.

Cardelle, G. Escorbuto infantil por LP, hervida. Bol. Soc. cubana pediat., 1933, **5:** 133–5, 2 pl.—**Challinor, K., Scherago, M., & Weaver, R. H.** The occurrence of food-poisoning staphylococci in PM. J. Bact., Balt., 1943, **45:** 577 (Abstr.)—**Food** poisoning traced to PM [Kentucky] J. Am. M. Ass., 1943, **122:** 958.—**Hackler, J. F.** Outbreak of Staphylococcus milk poisoning in PM. Am. J. Pub. Health, 1939, **29:** 1247–9.—**Kaplan.** Le scorbut des nourrissons alimentés au lait de vache pasteurisé. Médecin fr., 1946, **6:** 287.—**Lorenzo y Deal, J.** P de la leche, enfermedades carenciales e infecciones intestinales. Sem. méd., B. Air., 1937, **44:** pt 1, 587–604.

—— Problems.

Guittonneau, G. La question du LP en France. Rev. path. comp., Par., 1947, **47:** 61–4.—**Martel, H.** Au sujet des LP. Bull. Acad. méd., Par., 1939, 3. ser., **122:** 73–8.

—— Test of heating.

See also **Milk modification,** Heated milk; **Milk testing.**

MEYER, H. *Zur Frage des Nachweises der Niedererhitzung der Milch mit besonderer Berüchsichtigung der Amylasenreaktion. 28p. 8°. Münch., 1931.

PHILIPPE, J. *Le contrôle de la P du lait; la réaction de Schern-Gorli. 74p. 8°. Lyon, 1935.

Bruère. Comprimés enzymoscopiques pour le contrôle rapide des LP. J. pharm. chim., Par., 1906, 6. ser., **24:** 488–93.—**Forgács, T., & Radics, I.** Ueber den Nachweis der P des Sauerrahmes mittels der Amylaseprobe. Zschr. Untersuch. Lebensmitt., 1938, **76:** 20–4.—**Gilcreas, F. W., & Davis, W. S.** Investigation of the amylase and phosphatase tests as an indication of P. Stud. Div. Laborat. N. York State Dep. Health, 1937–39, **9:** No. 74, 15–32.—**Lethem, W. A.** Prescribed tests for heat-treated milk. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3:** 75.—**Moretti, I.** P del latte paragonata alla prova di Cambosu et alla prova della riduttasi secondo Wilson. Riv. ital. igiene, 1943, **3:** 22–8.—**Rothenfusser, S.** Ueber den Nachweis einer Erhitzung der Milch und ein neues Verfahren zum Nachweise der Dauer-P. Zschr. Untersuch. Lebensmitt., 1930, **60:** 94–109.—**Schern & Gorli.** Technique d'une nouvelle réaction pour déceler la P du lait au-dessus de 58 degrés. Lait, 1932, **12:** 17–9.—**Schnetka, M.** Zum Nachweis PM; ein Versuch, die P-dauer zu ermitteln. Zschr. Untersuch. Lebensmitt., 1935, **69:** 235–48.

—— Test of heating: Phosphatase.

KAY, H. D., ASCHAFFENBURG, R., & NEAVE, F. K. The phosphatase test for control of efficiency of P. 53p. 24½cm. Shinfield, 1939.

LARCO MACEDO, H. B. *Reacción de la fosfatasa aplicada al reconocimiento de la P de la leche; estudió de las causas que podrian modificar sus resultados [Doctorado en bioquimica y farmacia] 55p. 27cm. B. Air., 1942.

Alessandrini, A. La prova della fosfatasi per il controllo della P bassa del latte. Ann. igiene, 1938, **48:** 405–17.—**Andersen, A. C.** Die Phosphataseprobe zum Nachweis des P. bei Konsummilch. Mitt. Lebensmitteluntersuch., Bern, 1948, **39:** 65–70.—**Buck, T. C.,** jr. False positive phosphatase test from a thermophil in PM. Am. J. Pub. Health, 1942, **32:** 1224–36.—**Christen, C. C.** Réaction presque aussi rapide et facile que la réaction de Storch pour distinguer du lait cru; un lait de P basse ou un lait stassanisé. Lait, 1930, **10:** 32–4.—**Del Valle Sarraga, R.** The phosphatase test for the control of P. Puerto Rico Health Bull., 1940, **4:** 305.—**Fasken, J. E.,** & **McClure, A. D.** The phosphatase test as an indicator of P of milk. Canad. J. Comp. M., 1940, **4:** 128–37.—**Ferraz Lopes, C., & Soares Filho, F.** Contrôle da eficácia da P do leite pela prova da fosfatase. Bol. indúst. animal, S. Paulo, 1944, **7:** 47–60.—**Gilcreas, F. W.** Phosphatase test as an indication of P. Annual Rep. Div. Laborat. N. York State Dep. Health, 1938, 47. ——— Comparative studies of the phosphatase test and its application to the control of P. Abstr. Papers N. York Ass. Pub. Health Laborat., 1939, 23. meet., 2. ——— & **Davis, W. S.** The value of the phosphatase test in the control of P. Ibid., 1937, 21. meet., 10. ——— The practical value of the phosphatase test for P. Stud. Div. Laborat. N. York State Dep. Health, 1937–39, **9:** No. 75, 1–11. ——— Precision in reading the results of the phosphatase test. J. Milk Techn., 1940, **3:** 14–8.—**Gori, P.** Reazione ad anello di Schern e Gorli e il punto critico nella P del latte vaccino. Igiene mod., 1933, **26:** 295–8.—**Hoy, W. A., & Neave, F. K.** The phosphatase test for efficient P. Lancet, Lond., 1937, **2:** 595–8.—**Jepsen, A., & Madelung, P.** On phosphatase methods in the control of long-time P and stassanized milk. J. Milk Techn., 1939, **2:** 254.—**Kay, H. D.** Control of the efficiency of P of milk; the phosphatase test. Canad. Pub. Health J., 1936, **27:** 551–4.—**Kern, A.** Ueber die Reaktion von Schern-Gorli in PM. Prag. Arch. Tiermed., 1931, **11:** 315–7. ——— Ein Beitrag zur Theorie der Reaktion von Schern-Gorli in dauer-PM. Ibid., 1932, **12:** 273.—**Kohn, F. G., & Klemm, E.** Sur le diagnostic du LP à basse température par l'anneau de Schern-Gorli. Lait, 1932, **12:** 19–21.—**Krueger, P. F.** Use of the phosphatase test in the control of P. Am. J. Pub. Health, 1939, **29:** 477–81.—**Milford, T. H., & Clark, F. A.** The phosphatase test for completeness of P. J. M. Ass. Alabama, 1942–43, **12:** 245–7.—**Milligan, H. J.** Supervision of PM: the phosphatase test. Med. Off., Lond., 1936, **55:** 87.—**Neri, F., & Moretti, I.** Il controllo della P del latte mediante la prova della fosfatasi. Riv. ital. igiene, 1941, **1:** 886–905.—**Moloney, P. J.** The phosphatase test. Canad. Pub. Health J., 1941, **32:** 213–5.—**Parvis, D.** Sulla prova della fosfatasi per il controllo della P del latte. Igiene mod., 1939, **32:** 366–82, ch.—**Pasteurization** and the phosphatase test. Brit. M. J., 1940, **2:** 363.—**Phosphatase** (The) test. Hartford Health Bull., 1941, **6:** No. 11, 1.—**Phosphatase** test as an indication of P. Annual Rep. Div. Laborat. N. York State Dep. Health, 1937, p. 61.—**Phosphatase** (The) test and P. Lancet, Lond., 1939, **2:** 1225.—**Phosphatase** tests for P. In: Official & Tent. Meth. Analys.

(U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 319–22.—**Ritter, W.** Der Nachweis der P von Milch und Milchproducten durch die Phosphatascreaktion. Mitt. Lebensmitteluntersuch., Bern, 1949, **40**: 43–60.—**Schern, K., Gorli de Villar y Rossi. B. E.** Literatura aparecida hasta ahora sobre la reacción de Schern y Gorli. Arch. Soc. biol. Montevideo, 1935–36, **6**: 51–61.—**Smith, M. D.** The use of the phosphatase test in the control of P. Canad. Pub. Health J., 1938, **29**: 288–94.—**Tiedeman, W. V.** Present status of phosphatase test for P. Am. J. Pub. Health, 1938, **28**: 316–24.—**Tranmal, H.** A study of the phosphatase tests as tests for efficiency of P. Summaries Doct. Diss. Univ. Wisconsin, 1944, **8**: 39–41.

—— Test of heating: Reductase.

Araujo, T. L. Sobre a ação enzimática do ácido ascórbico na reação de Schardinger. Rev. brasil. biol., 1942, **2**: 53–5.—**Ciani, G.** Sul valore della prova della riduttasi secondo Wilson per la determinazione della carica batterica del LP. Ann. igiene, 1939, **49**: 290–308.—**Eyrard, A., Rey, S.** L'épreuve de la réductase dans le contrôle de la qualité des LP. Lait., 1943, **23**: 295–303.

—— Vitamin content.

Gilliam, A. E., Henry, K. M., & Kon, S. K. The effect of commercial P on the vitamin A and carotene content of milk. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 45–8.—**Holmberg, C. G.** [Certain view-points on P with special reference to the significance of milk as vitamin source] Lunds läk. säll. förh., 1936–37, 174–81. Also Skand. Arch. Physiol., Berl., 1937, **76**: 109–14. Also Sven. läk. tidn., 1937, **34**: 1002–9.—**Holmes, A. D.** Effect of P on the riboflavin content of milk. J. Am. Diet. Ass., 1944, **20**: 226. ——— **Jones, C. P.** [et al.] The ratio of ascorbic acid, riboflavin and thiamine in raw and PM. J. Nutrit., 1943, **26**: 337–45.—**Kon, S. K.** The effect of commercial P on the vitamin B complex of milk. In: Milk & Nutr. (Gr. Britain Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 49–51, tab. ——— **& Watson, M. B.** The effect of commercial P on the vitamin C of milk. Ibid., 52–6.—**Lorenzini, G.** P del latte e vitamina C. Rass. clin. sc., 1928, **6**: 317–20.—**Rundberg, G.** Versuche über die Resistenz der C-Vitamine in der Milch gegen P im Vakuum. Acta paediat., Upps., 1933–34, **15**: 357–73. Also Nord. med. tskr., 1935, **9**: 510.—**Schwartze, E. W., Murphy, F. J., & Cox, J. J.** The effect of P upon the vitamin C content of milk in the presence of certain metals. J. Nutrit., 1931, **4**: 211–25.—**Sharp, P. F.** Vitamin C in PM. Science, 1936, **84**: 461.—**Stella, G.** Il contenuto in acido ascorbico del LP al momento del consumo. Q. nutriz., Bologna, 1938, **5**: 311–20.

MILK pasteurizer.

Abbrev.: MP for milk pasteurizer and equivalents; P for pasteurizer.

See also **Milk pasteurizing plant.**

Bulharowski, G. A propos de l'exposition agricole de Cologne; les P à lait. Lait, 1930, **10**: 1178–85.—**Krueger, P. F.** Thermal efficiency of MP holders. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 236–45.—**Pocher, C.** La disposition des appareils et des locaux dans la P basse. Lait, 1926, **6**: 412–23, pl.

—— Bacteriology.

Isaacs, M. L., & Gordon, A. Growth of thermophiles in P equipment. J. Bact., Balt., 1943, **45**: 51 (Abstr.)—**Parvis, D.** Orientamenti attuali della tecnica di pastorizzazione del latte; controllo batteriologico di un P a strato sottile. Osp. maggiore, Milano, 1940, **28**: 181–8.—**Robertson, A. H., Yale, M. W., & Breed, R. S.** Non-thermophilic, spore-forming bacteria associated with P equipment. Zbl. Bakt., 2. Abt., 1926, **68**: 17–22, pl.—**Stassano, H.** De l'effet thermique, particulièrement efficace sur les bactéries, de la paroi métallique chauffante, à large surface, dans les appareils de stérilisation et de P. C. rend. Soc. biol., 1925, **93**: 711–3.

—— Heaters.

See also **Milk sterilization.**

Lembke, A. Die Hitzewiderstandsfähigkeit der Colibakterien und die Verwendbarkeit dieser Eigenschaft als Vergleichsmassstab für die Beurteilung von Milcherhitzern. Zbl. Bakt., 2. Abt., 1937, **96**: 92–109.—**Orla-Jensen.** Le nouvel appareil danois Gloria à pasteuriser le lait. Lait, 1933, **13**: 945–9.—**Thomasson, H. L.** New test for high-temperature short-time P-s. Month. Bull. Bd Health Indiana, 1945, **48**: 155, &c.

—— home made.

Thomas, R. C. Operation studies of home MP-s. Pub. Health Rep., Wash., 1949, **64**: 1411–22.

—— Plate type.

Renner, B. Die Plattenpasteurisier-Apparate unter Berücksichtigung der neuen amtlichen Vorschriften über die Erhitzung der Milch. Deut. tierärztl. Wschr., 1936, **44**: 84–7.—**Stassano, H.** Des appareils de pasteurisation à plaques. Lait, 1931, **11**: 124; 244; Disc., 1932, **12**: 1108–21.

MILK-PASTEURIZING plant.

Abbrev.: MPP milk pasteurizing plant; PP for pasteurizing plant; MDEA for Milchdauererhitzungsanlage; MEE for Milcherhitzungseinrichtung.

See also **Milk pasteurizer.**

Illinois, U. S. A. Department of Public Health. Educational health circular No. 134: MPP law. Rev. ed. 66p. 23cm. Springf., 1942.

Adams, H. S. Plans for the modern PP. In his Milk & Food Sanit., N. Y., 1947, 97–105.—**Bourbonnais, G., & Marier, J.** Usines de pasteurisation. Bull. san., Montréal, 1947, **47**: 77–80. Also Engl. transl., Ibid., 59–62.—**Burn, G. A. H.** Engineering features of PP and equipment. Canad. Pub. Health J., 1941, **32**: 199–207.—**Milcherhitzungseinrichtungen.** Reichsgesundhbl., 1937, **12**: 447.—**[PP]** Med Off., Lond., 1936, **55**: 51.—**Repetto, S.** L'établissement central pour la pasteurisation du lait de la ville de Gênes, Italie. Lait, 1939, **19**: 313–24.—**Seelemann, M.** Eine neuzeitliche und vorbildliche MDEA. Berl. tierärztl. Wschr., 1926, **42**: 859–62. ——— Zur Vereinheitlichung im Milcherhitzerbau. Zschr. Fleisch Milchhyg., 1941–42, **52**: 228.—**Yale, M. W., & Breed, R. S.** The control of thermophilic bacteria in PP. Am. J. Pub. Health, 1930, **20**: 1192–8.—**Zulassung** von MEE. Reichsgesundhbl., 1937, **12**: 275; 1938, **13**: 180; 943.

—— Supervision.

Dalrymple-Champneys, W. Report on the supervision of MPP. 47p. 8° Lond., 1935. Forms No. 77 Rep. Pub. Health, Lond.

Berry, A. E. Inspection of MPP. Canad. Pub. Health J., 1932, **23**: 37–41.—**Falcioni, A. C.** Algunas observaciones sobre el control sanitario de las usinas pasteurizadoras de leche. Rev. med. vet., B. Air., 1942, **24**: 216–24.—**Supervision** of MPP. Brit. M. J., 1935, **1**: 1078.

—— Workers.

Hollins, A. Shortage of pasteurisation workers. Lancet, Lond., 1942, **2**: 739.—**Renner, K. M.** The training of PP operators. J. Milk Techn., 1939, **2**: 286–9.

MILK pathology.

See **Milk defect.**

MILK plant.

See also **Dairy; Milk production.**

Adams, H. S. The dairy environment. In his Milk & Food Sanit., N. Y., 1947, 41–4.—**Ikeda, T., Yamada, T., & Onta, H.** Hukugyō-teki gyūnyū sakusyuzyō tyōsa seiseki [Results of an investigation of the dairies maintained as a side-line business] Kōsei kagaku, 1941, **2**: 164–76.—**Petry, C. O.** Various phases of dairy practice. Vet. Med., Chic., 1948, **43**: 266–9.—**Plock, V. D. J., & Perkons.** L'économie de l'énergie dans les établissements laitiers. Lait, 1939, **19**: 874–85.—**Rubín-Zamora, H.** Normas e indicaciones para la construcción de granjas agro-pecuarias sanitarias, acondicionadas para la obtención de leche higiénica en campo libre. Mem. Congr. venezol. leche, 1939, 1. Congr., 374–81.

—— Cleansing and sterilizing [Abbrev.: IL for industrie laitière and equivalents; L for laiterie and equivalents]

Johns, C. K. The washing and sterilization of farm dairy utensils. 4p. 8° Ottawa, 1928. Forms No. 64, Circ. Canada Dep. Agr.

Bonjean, E. Emploi de l'eau oxygénée dans l'IL; lavage des ustensiles et récipients. Ann. falsif., Par., 1908, **1**: 59–65.—**Burn, G. A. H.** Cleansing and disinfecting operations in a small dairy. Canad. Pub. Health J., 1938, **29**: 310–3.—**Davis, J. G.** The cleansing and sterilizing of dairy and ice-cream plant. J. R. San. Inst., 1948, **68**: 547–56.—**Dugan, S. V.** Cleanliness the first essential. Bull. Dep. Health Kentucky, 1942–43, **15**: 561.—**Génin, G.** Les agents de nettoyage employés dans l'IL. Lait, 1935, **15**: 868–70. ——— La stérilisation des ustensiles de L par la chaleur sèche. Ibid., 1936, **16**: 30–3. ——— Le nettoyage des objets étamés en L; emploi du sulfite de sodium. Ibid., 612–5.—**Holmquist, C. A., Frank, L. C.** [et al.] Hot air sterilization of milk utensils. Am. J. Pub. Health, 1937, **27**: Suppl., 150–2.—**Lesser, M. A.** Dairy cleaners. Soap, N. Y., 1948, **24**: No. 5, 40–3.—**Lucas, P. S., Hartsuch, B., & Barnum, H. J.** A study of some physical and chemical properties of several dairy cleaners. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 40–7.—**Parker, M. E.** Manual of dairy detergents and cleaning practices. Food Indust., 1943, **15**: No. 7, 78; No. 8, 71.—**Schwartz, C.** Detergents in the dairy industries. Bull. Hyg., Lond., 1942, **17**: 420 (Abstr.)—**Searls, E. M., Fletcher, F. W., & Kenaga, E. E.** Methyl bromide as a fumigant for dairy

factories. J. Econom. Entom., 1944, **37**: 822–9.—**Taylor, G. B.** Demonstration of sterilizer for farm utensils. Am. Food J., 1916, **11**: 412–4.—**Wise, R. I.** Control of bacteria in dairy plants. J. Bact., Balt., 1944, **47**: 215.

—— Hygiene and sanitation.

WILSTER, G. H. Testing dairy products and dairy plant sanitation. 191p. 23cm. Corvallis, 1947.

Berry, A. E. Engineering defects in dairies. Canad. Pub. Health J., 1938, **29**: 314–7.—**Davidson, F. A.** Farm buildings in relation to the health of dairy cows and milk production. J. R. San. Inst., 1949, **69**: 372–82.—**Moro, A.** Norme igieniche nella construzione di nuove stalle per bovini da latte per la bassa Lombardia, degli accessori e servizi dipendenti. Atti Conv. lombard. igiene rurale (1933) 1934, 1. Conv., 126–32.—**Pearson, R. A.** Development of dairy hygiene. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 70.—**Schmidt-Erlangen, H.** Hygienische Bekämpfung der Schaben in Milchverarbeitungsstätten und Milchwarenlagerräumen. Milchwirtsch. Zbl., 1943, **72**: 49–52.—**Stuurman, S.** De beteekenis van de stalhygiene voor de kwaliteit der melk, met inachtneming van de rentabiliteit op dit punt. Tschr. diergeneesk., 1938, **65**: 217–25.

—— Inspection.

See also **Milk control; Milk production.**

Arloing, S. Nécessité de l'inspection des vacheries et du contrôle de la production du lait. C. rend. Ass. fr. avance. sc. (1908) 1909, **37**: 1326–34.—**Beechwood.** Gyūnyū sakusyū-zyō oyobi gyūnyū syori-zyō no kansi [Supervision of cow barns and milk-processing plants] Sanitation, Tokyo, 1948, **1**: 175; passim.—**Borland, A. A.** The scoring of dairies. Bull. Vermont Bd Health, 1913–14, **14**: No. 2, 7–22.—**Bulharowski, G.** Le contrôle des étables et la production d'un lait propre et sain. Lait, 1929, **9**: 1104–8.—**Bushong, J. P.** Some conditions observed while inspecting certified dairies. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 119–21.—**Campbell, D. M.** The fluid milk plant. Vet. Med., Chic., 1944, **39**: 91–105.—**Cote, F. J.** Dairy farm inspection. Canada. J. Comp. M., 1940, **4**: 288–91.—**Kerr, J. W.** The bearing of dairy inspection on the better control of milk-borne diseases of man. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 87–95.—**Milne, A. J.** Control in dairies. S. Afr. M. J., 1938, **12**: 285–7.—**Pearson, L., Hamill, S. McC., & Ward, A. R.** Report of the Committee on the inspection of herds and farms used for the production of certified milk. Proc. Am. Ass. M. Milk Com., 1908, 2. Sess., 24–30.—**Rennes, J.** La salubrité du lait et l'inspection généralisée des étables. Lait, 1927, **7**: 310–16.—**Savage, W.** The laboratory and cowshed and dairy inspection. In his Pract. Pub. Health Probl., Lond., 1941, 80–95.—**Smith, F. E. A.** Laboratory control methods for country plants. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, **23**: 13–22.—**Staffe.** L'importance de l'hygiène de l'étable au point de vue du rendement économique. Lait, 1938, **18**: 429–36.—**Work** (The) of the Army Veterinary Services in relation to military dairy farms in India. Ind. Vet. J., 1945–46, **22**: 255–63.—**Yale, M. W., & Eglinton, R.** The value of the colon test as a means of detecting unsanitary conditions on the farm. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1935) 1936, **24**: 116–37.

—— rural.

Martin, E. E. The advantages and disadvantages of town versus country dairies in connection with the supply of milk. J. Prev. M., Lond., 1906, **14**: 226–31.—**Messner, H.** Die Selbstkontrolle der bäuerlichen Molkereien. Zschr. Fleisch Milchhyg., 1938–39, **49**: 371.

—— Waste water.

BECKER, F. K. E. W. *Bakteriologische Studien über Molkereigebrauchswasser unter besonderer Berücksichtigung der Lebensfähigkeit einiger Bakterien im Wasser [Kiel] p.286–334. 8° Berl., 1929.

Also Milchwirtsch. Forsch., 1929, **9**:

FALCIONI, A. C. Los desagües cloacales y la higiene pública; el problema en los mataderos y en la industria lechera. 46p. 22cm. La Plata, 1944.

Biochemical process treats dairy wastes. Mun. San., N. Y., 1938, **9**: 333–6.—**Bucker, M.** Plans et constructions d'établissements laitiers en tenant compte des questions de drainage et d'épuration des eaux résiduaires. Lait, 1939, **19**: 541–53.—**Calvert, H. T.** Milk factory effluents. Rep. Water Poll. Res. Bd, Lond. (1938) 1939, 12–23.—**Eldridge, E. F.** Milk waste treatment by the Mallory process; experiences at the Eachus Dairies plant, West Chester. Water Works & Sewer., 1941, **88**: 457–62.—**Génin, G.** Le traitement des eaux résiduaires de laiterie. Lait, 1938, **18**: 711–4.—**Haase, L. W.** Ueber den Einfluss von Molkereiabwasser auf die Behandlung von Abwässern kleiner Städte. Kleine Mitt. Verein. Wasserversorg., 1935, **11**: 37–42.—**Hepburn, E. A.** The purification and disposal of milk wastes. Health Bull., Melb., 1938, No. 53, 1478–90.—**Lembke, A.** Studie über die Beteiligung von Mikroben an Abbauvorgängen, die sich bei der Behandlung von Molkereiabwässern in einer Faulkammeranlage abspielen. Zbl. Bakt., 2. Abt., 1939–40, **101**: 1–29.—**Montagna, S. D.** Methods and results of activated sludge treatment of dairy wastes. Sewage Purif., Lond., 1940, **2**: 55.—**Prütz, M.** Ueber die Beseitigung und Verwertung von Molkereiabwässern insbesondere von Molken. Kleine Mitt. Verein. Wasserversorg., 1928, **4**: 125–31.—**Rossi, P.** Les eaux résiduaires des laiteries. Lait, 1928, **8**: 28; 318.—**Scarlett, C. A.** The practical treatment of dairy effluents. Analyst, Lond., 1939, **64**: 252–60.—**Treatment** (The) and disposal of waste waters from dairies and milk products factories. Bull. Hyg., Lond., 1942, **17**: 482 (Abstr.)—**Van Ysselsteyn, H. A.** Purification of dairy trade waste waters. Tr. Internat. Conf. San. Engin., 1924, 1. Congr., 231–42.—**Veale, P. O.** The effect of dairy factory drainage upon the quality of streams in Taranaki. N. Zealand J. Sc., 1945–46, **27**: B, 282–302.—**Warrick, L. F.** New developments in treatment of milk wastes. Food Indust., 1940, **12**: No. 9, 46–8.—**Wittmer, E. F.** Treating milk wastes by 2-stage filtration. Pub. Works, N. Y., 1941, **72**: No. 3, 19.

—— Waste water: Use.

Caserio, E. Aspetti autarchici del problema alimentare; l'utilizzazione razionale dei sottoprodotti della lavorazione industriale del latte. Q. nutriz., Bologna, 1941–42, **8**: 246–52.—**Diennert, F.** Epuration des eaux de laiterie. Lait, 1925, **5**: 873–81.—**Fouassier, M.** L'épuration des eaux résiduaires de laiteries. Ibid., 1936, **16**: 562–8.—**Hn.** Richtlinien für die landwirtschaftliche Verwertung insbesondere Verregnung von Molkereiabwässern. Gesundh. Ingenieur, 1942, **65**: 434. Also Kleine Mitt. Verein. Wasserhyg., 1942, **18**: 142–6.—**Savage, W.** The disposal of effluents containing milk. In his Pract. Pub. Health Probl., Lond., 1941, 30–41.

—— Water supply.

Burr, A., & Doering, H. Conditions requises pour avoir une eau de laiterie. Lait, 1935, **15**: 102–10.—**Hellström, B.** Metod att minska mejeriavloppsvattnets innehåll av föroreningar genom att tillvaratagа mjölkspill (SB-systemet) Hyg. rev., Stockh., 1949, **38**: 298–300.—**Lévy, I., & Rechter, de.** L'emploi du peroxyde de chlore pour la désinfection des eaux dans l'industrie laitière. Lait, 1925, **5**: 562–7.—**Lindroth, A.** Spillbrunnssystemet (törebodasystemet) inom mejeridrifter än en gång. Hyg. rev., Stockh., 1948, **37**: 97–9.—**Long, H. F., & Corley, R. T.** Observations on bacteriological condition of creamery water supplies. J. Bact., Balt., 1942, **44**: 255.—**Pien, J.** L'emploi de l'eau oxygénée en laiterie. Ann. falsif., Par., 1948, **41**: 178–83.—**Santos, I. dos, & Sousa Carvalho, A. de.** A água na indústria de lacticínios. Rev. med. vet., Lisb., 1948, **43**: 129–59, 2 tab.—**Shutt, D. B.** The role of non-faecal bacteria in water supplied to creameries. Canad. Pub. Health J., 1936, **27**: 226.

MILK poisoning.

See also **Milkborne disease,** Infection; **Milk nutrition,** Pathological effect; **Milk secretion,** Drug excretion; **Milk sickness.**

Awerkijew, N. D. Ueber ein tierisches Alkaloid aus sterilisierter und unter bestimmten Bedingungen aufbewahrter Milch. Zschr. physiol. chem., 1911, **72**: 347–62.—**Bosma, J.** Intox. door het drinken van melk eener koe, lijdende aan staphylococcen-mastitis. Tschr. diergeneesk., 1939, **66**: 1258.—**Brush, E. F.** Acute milk-poisoning. In his Milk, N. Y., 1898, 15–25.—**Cartaz, A.** Empoisonnement par le lait. Nature, Par., 1886, **14**: pt 2, 347.—**Carter, R. H., & Mann, H. D.** The DDT content of milk from a cow sprayed with DDT. J. Econom. Entom., 1949, **42**: 708.—**Davidson, M. T.** Milk a human poison. South. M. J., 1942, **35**: 196–9.—**Food** poisoning from milk. Brit. M. J., 1938, **1**: 859.—**Hémery.** Intox. alim. due à une altération de lait. Bull. Soc. méd. mil. fr., 1908, **2**: 458–61.—**McGuire, B. B.** Child dies of milk sick poisoning. Health Bull., Raleigh, 1946, **61**: No. 12, 7.—**Marien, A.** L'empois. par le lait. Union méd. Canada, 1907, **36**: 4–9.—**Matuguma, M.** Iwayuru zinnyū-tyūdoku-syō ni yoru zyō-ganken-kasui no iti rei [Ein Fall der Ptosis infolge von sog. Menschenmilchvergiftung] Acta Soc. ophth. jap., 1933, **37**: 1643–7.—**Minett, F. C.** Enterotoxins of milk and cream. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., **5**: 413.—**Paruit, C.** Les laits meurtriers; laits toxiques et laits tuberculeux d'origine commune. C. rend. Congr. internat. path. comp. (1912) 1914, 1. Congr., 833–7.—**Schmidt, H. W.** Neuartige Obstbaumspritzung auf Wiesen und Weiden im Licht der Milchhygiene. Zschr. Fleisch Milchhyg., 1941–42, **52**: 229–31.—**Sturel.** Au sujet des cas d'intox. alim. dus à une altération du lait. Bull. Soc. méd. mil. fr., 1908, **2**: 478.

MILK-POWDER.

See **Milk product,** Dry milk.

MILKPOX.

See **Alastrim,** in 4. series.

MILK preparation.

See **Milk modification**; also **Milk processing**; **Milk product.**

MILK preservation.

Abbrev.: CL for conservation du lait; conservazione del latte; C for conservation.

See also **Milk cooling**; **Milk pasteurization**; **Milk sample**, Preservation; **Milk storage.**

GREAT BRITAIN. NATIONAL BABY WELFARE COUNCIL. Milk in the home; how to keep milk in good condition for use by adults and children. 2p. 23cm. Lond., 1943.
Forms No. 89, Leafl. Nat. Baby Welf. Counc. Gr. Britain.

—— Methods.

See also **Milk modification**, Heated milk.

Bonnechaux, E. Le lait et les divers procédés de C. J. hyg., Par., 1905, **30:** 29–32.—**Brillouin, A.** CL à l'état frais et sans altération des graisses ni des albuminoïdes. C. rend. Ass. fr. avance. sc., 1902, **31:** 440.—**Carter, W. S.** The use of milk preservatives. Texas State J. M., 1905, **1:** 212–4.—**Cathala, J., & Macheboeuf.** Sur le procédé de CL par adjonction de microlysine, proposé par M. le professeur G. Bertrand. Nourrisson, 1945, **33:** 138–41.—**Curran, H. R., & Evans, F. R.** The activity of penicillin in relation to bacterial spores and the preservation of milk. J. Bact., Balt., 1946, **52:** 89–98.—**Galaine, C., & Houlbert, C.** Procédé pratique nouveau pour la C des liquides fermentescibles et plus spécialement du lait. Bull. Acad. méd., Par., 1937, 3. ser., **117:** 30–2.—**Gologorsky, B. S., & Timkovsky, U. V.** Konservacija moloka tokami ultravysokoj častoty. Hig. & san., Moskva, 1948, **13:** No. 9, 32.—**Hilgers, W. E., & Lapp, C.** Der Wert der Entsäuerung der Milch durch Alkalikarbonate und die hierdurch bedingten biologischen Veränderungen. Gesundh. Ingenieur, 1920, **43:** 353–6.—**Kuppelmayr.** Ein neuer Apparat zur Haltbarmachung der Milch. Zschr. Fleisch Milchhyg., 1920, **30:** 229.—**Liverseege, J. F.** Birmingham milk and preservatives. J. R. Inst. Pub. Health, 1908, **16:** 225–30.—**Raudnitz, R. W.** The attitude of public health authorities regarding the preservation of milk by heat. Med. Rec., N. Y., 1907, **72:** 381–3.—**Richmond, H. D., & Miller, E. H.** Preservatives in milk. Analyst, Lond., 1907, **32:** 144–54.—**Rœmer.** Une nouvelle méthode de stérilisation et de CL. Tribune méd., 1906, n. ser., **38:** 561.—**Sherman, H. C., Hahn, A. W., & Mettler, A. J.** Comparative experiments upon chemical preservatives in milk. J. Am. Chem. Soc. 1905, **27:** 1060–8.—**Spolverini, L. M., & Flaminj, M.** Un nuovo metodo di CL. Atti Congr. pediat. ital. (1905) 1906, 5. Congr., 361–6.—**Vasio** como meio conservador do leite; suas vantagens scientificas e praticas. Tribuna med., Rio, 1916, **22:** 215; 218.—**Zausajlov, M. A., & Telićenko, E. V.** O prostcjšem sposobe sokhranenija moloka ot porći. Vest. obshch. hig., 1905, 471–4.

MILK problem.

Abbrev.: MP for milk problem and equivalents; MQ for milk question; P for problem; PL for problème du lait and equivalents.

See also other main headings related to **Milk.**

BENDIXEN, H. C., BLINK, G. J. [et al.] The milk problem. p.371–504. 24cm. Genève, 1937.
Bull. Health Org. League of Nat., 1937, **6:**

SPARGO, J. The common sense of the MQ. 351p. 20cm. N. Y., 1908.

Guigoz, M. Notes sur le PL. Schweiz. Apoth. Ztg, 1940, **78:** 667–9.—**Kitchen, J. M. W.** The war and its effect on the great MQ. Med. Rev. of Rev., 1918, **24:** 661.—**Milk:** its whence and whither discussed at chemists' meeting. Science News Lett., 1937, **32:** 165–7.—**Piffard, H. G.** The MP. N. York M. J., 1907, **85:** 773–8.

—— by countries.

Bielek, T. A tej mint Európa gyermekegészségügyi problémája. Népegészségügy, 1949, **30:** 177.—**Bustos, J.** El PL en Quito. Rev. As. Esc. quím. farm., Quito, 1943, **1:** No. 2, 13–23.—**Garcia, C. M.** Los PL. Crón. méd. quir. Habana, 1934, **60:** 33–8.—**Jamaica** (Some) MP-s. Jamaica Pub. Health, 1933, **8:** 105–7.—**Lafleur, M.** Le PL en Haïti. Bull. Serv. hyg., Port au Prince, 1935, **2:** No. 5, 23–6.—**Lippitt, W. F.** Notes on the MP in Puerto Rico. Puerto Rico Health Bull., 1938, **2:** 221–3.—**Morales Otero, P.** Porto Rico and its MP-s. Am. J. Pub. Health, 1928, **18:** 1384–7.—**Ortiz Aragones, J. M.** El PL en las grandes poblaciones. An. Acad. farm., Madr., 1934, **3:** 143–60.—**Silva Leal, M. da.** Um aspecto grave do PL. Acção méd., 1947, **11:** 357–60.—**Sinnetamby, M.** The MP in Colombo. J. Ceylon Brit. M. Ass., 1906, **3:** 69–75.—**Troicky, I.** Molońyj vopros s točki zrenija socialnoj. Russ. vrach, 1909, **8:** 2384–86. Also French transl., Ann. méd. chir. inf., Par., 1910, **14:** 171–9.

—— by countries: Argentina.

D'Amato, H. J. El PL en la República Argentina. Prensa méd. argent., 1942, **29:** pt 2, 1507–10. Also Scm. méd., B. Air., 1942, **49:** pt 2, 747–50.

—— by countries: Belgium.

Bigwood, E. J. Considérations au sujet du PL en Belgique. Bull. Acad. méd. Belgique, 1946, **11:** 28–39.—**Brull, L.** Sur le PL en Belgique. Rev. méd. Liége, 1948, **3:** 297–300. ——— & **Neuprez, R.** Le PL en Belgique. Bull. Acad. méd. Belgique, 1946, **11:** 10–5.—**Philippart-Wodon.** La question du lait. Rev. belge puéricult., 1936, **1:** 155–64.

—— by countries: Brazil.

Amaral, F. P. do. O problema do leite em São Paulo. Impr. med., Rio, 1942, **18:** No. 347, 84–94. Also Rev. med. cir. S. Paulo, 1942, **2:** 300–16.—**B., S. M.** O PL no Rio de Janeiro. Brasil med., 1940, **54:** 544.—**Dos Santos Abreu, E.** A questão do leite. Rev. paul. med., 1942, **21:** 438–42.—**Meirelles, E.** O PL entre nós. Tribuna med., Rio, 1919, **25:** 213; 232.—**Mello, A.** A questão do leite em São Paulo. Bol. indúst. animal, S. Paulo, 1942, **5:** 6–11.—**Mendes, A.** O PL no Rio de Janeiro; como o enfrentou e está resolvendo a Comissão executiva do leite. Brasil med., 1943, **57:** No. 25, 16–24.—**Morena, N.** O PL em São Paulo. Arq. hig., S. Paulo, 1942, **7:** No. 14, 63–86.—**Pascale, H.** Questão do leite em Baurú. Ibid., 213.—**Questão** (O) do leite. An. paul. med. cir., 1943, **45:** 138–46 (Abstr.)—**Silva, D. Ferreira da.** O leite no P alimentar, considerações a respeito do que é distribuido em Niterói. Brasil cir., 1941, **3:** 253–65.

—— by countries: Canada.

Seymour, M. M. A study of MP-s in Canada. Pub. Health J., Toronto, 1925–26, **17:** 241; passim.

—— by countries: Chile.

SCHWARZENBERG L., J., & STEEGER S., A. Nuestro problema de la leche. p.869–920. 23½cm. Santiago, 1942.
Rev. chilena pediat., 1942, **13:**

Landa Perroni, F. El PL en relación con la alimentación popular en Chile. Rev. chilena hig., 1939, **2:** 21–40.—**Scroggie, A.** El PL. Rev. chilena pediat., 1942, **13:** 863–8; Disc., 929–38.—**Traub H., J.** El PL en Santiago. Rev. quim. farm., Santiago, 1936, **4:** 17.

—— by countries: France.

BOUCHET, F. *A propos de la question du lait; de l'influence des sociétés de médecins sur l'alim. des villes en lait. 60p. 8° Lyon, 1907.

Ballon, M. La question du lait, à Troyes. In: Le lait (France. Journée ét. social) Troyes, 1934, 44–8.—**Beau, M.** La situation laitière. Lait, 1928, **8:** 449; 1933, **13:** 651: 1934, **14:** 1023.—**Buckley, M.** Le PL. Gaz. méd. France, 1931, 136–40.—**Cassel.** La question du lait à Dieppe. Ann. falsif., Par., 1911, **4:** 436–9.—**Fournier, A.** Le PL. Presse méd., 1938, **46:** 1205.—**Giroux, J.** Le P du bon lait. Rev. prat. mal. pays chauds, 1929, **9:** 164–85.—**Golding, J.** Progrès dans l'essai du lait. Lait, 1935, **15:** 822–5.—**Lavalée, G.** Le PL dans la France de 1947. Concours méd., 1947, **69:** 1394.—**Lesné, E., & Richet, C.** La question actuelle du lait. J. méd. Paris, 1948, **68:** 5.—**Letard, E.** Questions laitières. Rev. path. comp., Par., 1949, **49:** 219–22.—**Magniaux.** Sur la question du lait. Normandie méd., 1908, **24:** 217–20.—**Marre, F.** Le PL. Rev. hyg., Par., 1909, **8:** 58–72.—**Michot, A.** Le PL en France. Population, Par., 1947, **2:** 67–80.—**Moenaert, L.** Quelques mots sur la question du lait. Ann. Soc. méd. Anvers, 1906, **68:** 13–27.—**Perreau & Bachelot.** Rapport sur la question du lait. Arch. méd. Angers, 1946, **50:** 33–5.—**Porcher, C.** La question du lait; l'enseignement du lait à l'Ecole de Lyon. J. méd. vét., Lyon, 1907, 5. ser., **11:** 148; 202.—**Rennes, J.** La question du lait. Lait, 1928, **8:** 209–18.—**Triollet.** Le PL dans le Morbihan; son importance sanitaire et économique. Rev. hyg. méd. social., 1938, **17:** 15–25.

—— by countries: Germany.

Eckardt. Ueber die Milchfrage. Zschr. Fleisch Milchhyg., 1915–16, **26:** 23–7.—**Vaubel, W.** Der Standpunkt des Arztes zur Milchfrage. Fortsch. Med., 1929, **47:** 80–2.

—— by countries: Great Britain.

Buckley, W. Milk problems. J. R. San. Inst., 1928–29, **49:** 346–9.—**Dighton, A.** The MP; a suggested solution. Child, Lond., 1919–20, **10:** 443–5.—**Gloyne, S. R.** The MP from a pathologist's point of view. Med. Off., Lond., 1933, **49:** 185.—**Milk** and its problems; a Nutrition Society discussion. Brit. M. J., 1943, **2:** 113.—**Milk** (The) P and the Ministry of Health. Lancet, Lond., 1924, **2:** 620–2.—**Pillidge, W.** Observations on MP-s. J. R. San. Inst., 1935–36, **56:** 624–6.—**Pritchard, E.** The MP: the supply. Bedrock, Lond., 1913–14, **2:** 110–9.—**Scurfield, H.** The MP. J. State M., Lond., 1923, **31:** 28–40.—**Stephens, G. A.** A new aspect of the MP.

Med. Off., Lond., 1936, 56: 245.—**Stock, C. J. H.** An inquiry into some problems connected with milk. Analyst, Lond., 1930, 55: 535–43.

—— by countries: Holland.

Van Raalte, A. Le PL alim. en Hollande. Bull. Off. internat. hyg. pub., Par., 1935, 27: 2221–4.—**Vos, F.** Het MP. Tschr. sociale geneesk., 1923, 1: 154; passim.

—— by countries: Italy.

Cirenei, G. La questione del latte a Genova in rapporto alle condizioni igienico-zootechniche della Provincia. Clin. vet., Milano, 1935, 58: 824–37.—**Lutrario, A.** Le PL alim. en Italie. Bull. Off. internat. hyg. pub., Par., 1935, 27: 80–102.

—— by countries: Peru.

Gallardo, P. El PL en la ciudad de Lima. Crón. méd., Lima, 1941, 58: 323–6.—**García, E. L.** El PL en Lima. Ibid., 1930, 47: 365–70.

—— by countries: United States.

BERLINER, E. The MQ from various points of view. 28p. 8° Wash., 1907.

Kellogg, J. W. Some milk enforcement P-s. Annual Rep. Pennsylvania Ass. Dairy & Milk Insp., 1933, 9: 38–45.—**Kiefer, G. L.** The MP. Teachers' San. Bull., Lansing, 1905, 8: 53–8.—**McAlister, A.** Encouragements in the present status of the MP. J. M. Soc. N. Jersey, 1908–09, 5: 167–70.—**Miner, C. H.** The MP. Pennsylvania M. J., 1919–20, 23: 115.—**St Louis** MP-s. North Am. Vet., 1936, 17: No. 7, 14–22.—**Thresh, J. C.** Summary of address on the MP. Birmingham M. Rev., 1908, 63: 258–60.

—— by countries: Venezuela.

García Maldonado, A. Resumen de la ponencia Estado actual del PL en Venezuela desde los puntos de vista higienico y comercial. Bol. Min. san., Caracas, 1939, 4: No. 3, 33–41. Also Mem. Congr. venezol. leche, 1939, 1. Congr., 27–46.—**Márquez, G.** Lo que se debe hacer para mejorar el estado actual del P lechero en Venezuela, desde los puntos de vista higiénico y comercial. Ibid., 168–88.—**Méndez Ochoa, J.** El PL en el Estado Cojedes Julio de 1939. Ibid., 63–7.—**Pi Suñer, J.** El PL en Venezuela. Ciencia, Méx., 1941, 2: 168–70.

MILK processing.

See also **Milk care.**

WEIGMANN, H. Die Verarbeitung der Milch. p.586–650. 26½cm. Wiesb., 1909.
In: Handb. Milchk. (Sommerfeld, P.)

Crispo, D. Le traitement rationnel du lait. Congr. internat. hyg. aliment., 1910, 2. Congr., 1: Sect. 3, 45–8.—**Ebi.** Problemi di igiene annonaria; il trattamento del latte per il pubblico consumo. Riv. Soc. ital. igiene, 1941–42, 63:–64: 77.—**Gesteira, M.** Processos de correçao do leite de vaca. Laborat. clin., Rio, 1943, 23: 179; passim.—**Kon, S. K.** A survey of the place of cow's milk in the human diet and of the effect of processing on its nutr. value. Brit. M. Bull., 1947, 5: 170–6.—**Luft.** Traitement du lait et de la crème en vue d'éviter les défauts du beurre en Allemagne. Lait, 1928, 8: 874–9.—**Mattick, A. T. R.** Bacteriological aspects of milk processing and distribution. Proc. Nutrit. Soc., Cambr., 1944, 2: 141–9.—**Stiner, O.** Ueber die Behandlung der Milch. Mitt. Lebensmitteluntersuch., Bern, 1933, 24: 94–103.—**Stumpff, J. E.** De melk en hare toebereiding in het binnengasthuis. Ziekenhuis., 1910, 1: 17–20.—**Vollhase.** Was ist unter molkereimässiger Behandlung der Milch zu verstehen? Zschr. Untersuch. Lebensmitt., 1926, 51: 371–3.

MILK product.

Abbrev.: DP for dairy product; MDW for Milchdauerware; ME for Milcherzeugnis; PA for produit alimentaire and equivalents; PL for produit laitier.

See also **Milk bar; Milk beverage; Milk modification;** also such terms as **Butter; Cheese; Cream; Dairy product; Ice-cream.**

HUNZIKER, O. F. Condensed milk and milk powder; prepared for factory, school and laboratory. 6. ed. 504p. 23cm. La Grange, 1946.

ROCHAIX, A. J., & TAPERNOUX, A. Le lait et ses dérivés; chimie, bactériologie, hygiène. 412p. 25cm. Par., 1942.

STOHMANN, F. C. A. Die Milch- und Molkereiproducte; ein Handbuch für Milchtechniker und Nahrungsmittelchemiker. 1031p. 23cm. Braunschweig, 1898.

Corash, P. Milk and milk products. In: Chem. & Techn. Food (Jacobs, M. B.) N. Y., 1944, 2: 617–48.—**Keilling, J.** Les PA dérivés du lait. Bull. Soc. sc. hyg. aliment., Par., 1943, 31: 79–83.—**Leite** como matéria prima; fabricação de PA lácteos. Rev. aliment., Rio, 1944, 8: No. 12, 11–4.—**Nottbohm, F. E.** Vorläufige Begriffsbestimmungen für MDW. Zschr. Untersuch. Lebensmitt., 1928, 56: 63–72.—**Rochaix & Tapernoux.** Le lait et ses dérivés. Bull. Acad. vét. France, 1948, 21: 146.—**Rosell, J. M.** Le lait dans quelques-unes de ses formes d'utilisation. Lait, 1939, 19: 139; 234.—**Strohecker, R.** Milcherzeugnisse. In: Handb. Lebensmittelchem. (A. Bömer) Berl., 1936, Bd 3, p.212–37.

—— Adulteration.

Braunsdorf, K. Ueber einen neuen Gelatine-Nachweis in MP. Zschr. Untersuch. Lebensmitt., 1934, 67: 326–32.—**Cheese,** cream cheese; fat deficiency. Brit. Food J., 1940, 42: 64.—**Fincke, H.** Untersuchungen über Kennwerte des Fettes von MDW und dessen Mischungen mit Kakaobutter. Zschr. Untersuch. Lebensmitt., 1929, 57: 9–13.—**Letzig, E.** Nachweis von Verdickungsmitteln in ME. Ibid., 1934, 68: 301–6.—**Mueller, W. S., & Mack, M. J.** Cereal flours as antioxidants in DP. Food Res., 1939, 4: 401–5.—**Pien, J.** Relations de densité dans les PL. Ann. falsif., Par., 1939, 32: 16; 72.

—— alcoholic.

See also **Milk (fermented)**

Novák, B. Použití esencí při přípravě mléčných coctailů. Výživa lidu, 1949, 4: 276.—**Siman, J.** Použití esencí k přípravě mléčných cocktailů. Ibid., 333.

—— Analysis.

AMERICAN PUBLIC HEALTH ASSOCIATION. Standard methods for the examination of DP, bacteriological, bioassay and chemical. 7. ed. 190p. 24cm. N. Y., 1939 [2. print., 1940] ALSO 8. ed. 288p. 24cm. N. Y., 1941. ALSO 9. ed. 373p. 24cm. N. Y., 1948.
Earlier editions have title: Standard methods of milk analysis.

Breed, R. S., Hitchens, A. P. [et al.] Examination of DP. Am. J. Pub. Health, 1942, 32: No. 3, Suppl., 156.—**Breed, R. S., McCrady, M. H.** [et al.] Examination of DP. Ibid., 1941, 31: No. 3, Suppl., 138. —— Examination of milk, cream and butter. Ibid., 1942, 32: No. 3, Suppl., 156.—**Breed, R. S., Mickle, F. L., & Scott, H. T.** Standard methods for the examination of DP. Gradwohl Laborat. Digest, 1938–39, 2: No. 10, 5–7.—**Dairy** products. In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 303–44.—**Jacobs, M. B.** Milk, cream, and DP. In: Chem. & Techn. Food & Food Products (Jacobs, M. B.) N. Y., 1944, 1: 395–434.—**Ludington, V. D., & Bird, E. W.** Application of the refractometer to determination of total solids in MP. Food Res., 1941, 6: 421–34.—**Pien, J., & Maurice, G.** Relations de densité dans les PL. Lait, 1938, 18: 582–610.—**Reiss, F.** Untersuchung der Milch- und Molkereiprodukte. In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909, 751–67.—**Robertson, A. H., Black, L. A.** [et al.] Standard methods for the examination of DP. Am. J. Pub. Health, 1948–49, 39: Yearb., 80–2.—**Standard** methods for the examination of DP. Ibid., 1940, 30: No. 2, Suppl., 108.

—— Bacteriology.

Breed, R. S. Bacteriological examination of DP. Am. J. Pub. Health, 1938, 28: Suppl. 2, 102.—**Hammer, B. W.** Application of the Burri smear culture technic to various solid DP. Rep. Internat. Congr. Microb. (1939) 1940, 3. Congr., 720.—**Kajukova, N. I., Buzuk, V. M., & Peršina, N. N.** [Ecology of the aroma-forming bacteria of DP] Mikrobiologia, Moskva, 1937, 6: 60–78.—**Knight, H. Z., & Browne, E. H.** Some observations on a pleomorphic bacillus isolated from different lots of processed whole MP. J. Bact., Balt., 1947, 53: 501.—**Pederson, C. S., & Breed, R. S.** Accuracy of plate counts made from MP as affected by the temperature of incubation. Am. J. Pub. Health, 1940, 30: 162–8.—**Piven, M. F.** [Pollution of MP by microorganisms] Hig. & zdorov., 1941, 6: No. 7, 58.—**Pullinger, E. J.** Examination of MP for tubercle bacilli and Brucella abortus. Lancet, Lond., 1935, 1: 1342–4.

—— Butter: Adulteration, and contamination

[Abbrev.: B for butter; beurre; burro]

FRANCK-BERNARD, O. *A propos des inconvénients des B boratés. 29p. 24cm. Par., 1940.

Bodroux, F. Les B boriqués. Ann. falsif., Par., 1937, 30: 260; 291.—**Bonn, A.** Les B anormaux. Ibid., 1912, 5: 57–67.—**Brioux, C.** Contribution à l'étude des B anormaux; les B individuels de concours beurrier de Rouen. Ibid., 449–59. —— & **Jouis, E.** Le diacétyle dans les B normands. C. rend. Acad. sc., 1937, 205: 526–8.—**Buccar, M. de.** La recherche du diacétyle dans les B. Ann. hyg., Par., 1940, n. sér., 18: 271–6.—**Budagian, F. E., & Pavlov, V. P.** [Effect of admixtures of salt on salt cow B; Mg sulfates and Na, also Mg

chloride and Ca] Tr. San. hig. inst. Ginza, Moskva, 1929, 136–48.—**Burkitt, M. C.** Bog-butter from Skye. Nature, Lond., 1942, **150:** 29.—**Butter;** 100 per cent. margarine (Law reports) Brit. Food J., 1939, **41:** 108.—**Butter;** 25 per cent. of margarine. Ibid., 1941, **43:** 23.—**Coceani, A.** La polarimetria nella diagnosi di sofisticazione del B con grassi eterogenei. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1942, **1:** No. 3, 52–5.—**Collard-Bovy, A.** Faut-il règlementer ou défendre la vente des B additionnés d'eau ou dans lesquels on a laissé de l'eau, soit intentionnellement, soit par suite d'un défaut de fabrication? Ann. falsif., Par., 1911, **4:** 600.—**Creac'h, P.** Les fraudes du B au Tchad; leur détection; la valeur de l'indice de Valenta. Ibid., 1939, **32:** 4–16.—**Dehove, R., & Bessirier, L.** Recherche et dosage du diacétyle dans les B. Ibid., 1937, **30:** 288–91.—**Eloire, A.** A propos de la fraude des B; addition de margarine; circonstances atténuantes; acquittement. Rev. path. comp., Par., 1933, **33:** 1249–54.—**Falsification** du B. J. chim. méd., Par., 1865, 5. sér., **1:** 88.—**Frehse.** La question de l'eau dans le B. Ann. falsif., Par., 1909, **2:** 79.—**Granvigne, C., & Cassez, G.** Valeur des diverses données fournies par l'examen chimique et physique du B pour l'appréciation de ses falsifications. C. rend. Ass. fr. avance. sc. (1911) 1912, **40:** 1224–34.—**Hoton, L.** De l'importance des indices de réfraction pour la distinction des B purs d'avec les B falsifiés. Ann. falsif., Par., 1909, **2:** 8–26, tab. ——— La recherche de la graisse de coco dans le B à l'aide du microscope. Ibid., 275. ——— Beurres purs; B falsifiés. Ibid., 535; 1910, **3:** 28.—**Lemoigne, M., & Monguillon, P.** Les améliorants des B à base de diacétyle sont-ils des produits naturels? Ibid., 1935, **28:** 278–80.—**Liverseege, J. F.** Butter; margarine. In his Adulter. & Analys. Foods, Lond., 1932, 246–51.—**Martel, H.** Suppression de l'acide borique pour conserver les B et les margarines. Bull. Acad. nat. méd., 1947, **131:** 427. ——— & **Fouassier, M.** Beurre et acide borique. Bull. Acad. méd., Par., 1940, 3. sér., **123:** 208–19. Also Gaz. hôp., 1940, **113:** 230.—**Robin, L.** Méthode de recherche des falsifications du B. Ann. falsif., Par., 1912, **5:** 180–7.—**Vuaflart, L.** La question de l'eau dans le B. Ibid., 1909, **2:** 41–4. ——— Les B anormaux du nord de la France. Ibid., 1912, **5:** 121–35.—**Weems, J. B., & Bouska, F. W.** A chemical study of B increasers. Proc. Iowa Acad. Sc. (1899) 1900, **7:** 120–3.

—— Butter: Analysis.

Hehner, O., & Angell, A. Butter, its analysis and adulterations; specially treating on the detection and determination of foreign fats. 2. ed. 86p. 20cm. Lond., 1877.

Mohr, W., & Eichstädt, A. Butter. p. 493–545. 25½cm. Berl., 1942.

In: Handb. Lebensmittelchem. (Böhmer, A.) Berl., 1942, **9:**

Analisi del B. Gior. farm. chim., Tor., 1908, **57:** 485–91.—**Appareil** du Dr Bischoff pour observer la fusion du B. Ann. pharm., Louvain, 1896, **2:** 125.—**Beurre.** Bull. san. pub., Brux., 1949, **11:** 73–6.—**Bohm, E., Sturz, O., & Jonas, S.** Bestimmung von Kochsalz in B und Margarine. Zschr. Untersuch. Lebensmitt., 1943, **85:** 334–7.—**Brouwer, E.** Sur des indices complexes pour le B. Acta brevia neerl., 1946, **13:** 74–7.—**Bruno, A.** Un hydromètre à B. Ann. falsif., Par., 1920, **13:** 543–5.—**Caserio, E.** Osservazioni e ricerche intorno alle varie qualità di B. Ann. igiene, 1940, **50:** 453–60.—**Chollet, A., & Camus, A.** Analyses de B purs des Charentes et du Poitou. Lait, 1932, **12:** 664–70.—**Crismer.** Les températures critiques de dissolution appliquées à l'analyse du B. C. rend. Congr. internat. pharm. (1897) 1898, 8. Congr., 295–7.—**Francqui, J. B.** Sur l'analyse du B. J. chim. méd., Par., 1866, 5. sér., **2:** 151; 218.—**Grant, G. A., & White, W. H.** A fluorescence method for assessing the keeping quality of B. Canad. J. Res., 1946, **24:** F, 461–6.—**Hoton, L.** L'utilité de l'analyse microscopique du B. Zbl. ges. Hyg., 1943, **51:** 92 (Abstr.)—**Isnard, E.** Analyse immédiate du B; dosage du non-beurre. Ann. falsif., Par., 1914, **7:** 369; 442.—**Jahr, E.** Nouvelle méthode d'analyse sommaire du B. Ann. pharm., Louvain, 1896, **2:** 122–4.—**Korpáczy, S., & Ersek, A.** Bestimmung des Fett-, Wasser-, Nichtfett- und Salzgehaltes und des Säuregrades der B mit Hilfe des Jenaer Glasfiltertiegels. Zschr. Untersuch. Lebensmitt., 1942, **83:** 218–20.—**Mohr, W., & Oldenburg, F.** Comment on influe sur la consistance du B en le soumettant dans les exploitations à un travail technique. Lait, 1935, **15:** 217–22.—**Morpurgo, G.** Metodi analitici delle sostanze alimentari, con riflesso al Codex alimentarius Austriacus; burro. Gior. farm., Trieste, 1896, **1:** 372; passim.—**Parfitt, E. H.** Methods for making and significance of cream and B sediment tests. Am. J. Pub. Health, 1937, **27:** 341–5.—**Polonovski, M., & Thomas, M.** Variations saisonnières et cycle annuel des indices des B du nord de la France. Lait, 1933, **13:** 249; passim.—**Pottenstein, W.** Beobachtungen an der B im filtrierten ultravioletten Lichte im Laufe von vielerlei jährlichen Terminen. Prag. tierärztl. Arch., 1937, **17:** 1; 25.—**Rosengren, L. F.** La teneur en eau du B pendant les différents stades de sa fabrication. Lait, 1935, **15:** 222–5.—**Sá Earp, J. de.** Analyse pratica de manteiga e margarina. Rev. Dep. nac. produc. anim., Rio, 1935, **2:** 211–22.—**Schloemer, A.** Untersuchungsverfahren für B sowie für Neben- und Hilfsprodukte der Butterei. In: Handb. Lebemsmittelchem., Berl., 1942, **9:** 546–57.—**Vandam, L.** L'indice de Crismer des B. Ann. falsif., Par., 1919, **12:** 260–9.—**Vuaflart.** Composition des B de l'école ambulante de laiterie du Pas-de-Calais. Ibid., 1912, **5:** 476.—**Wassergehalt** (Der) der B. Mitt. Lebensmitteluntersuch., Bern, 1946, **37:** 25–35.

—— Butter: Bacteriology.

Euwens, F. *Eiweisszersetzende Bakterien in der B; Einfluss auf die Butterbeschaffenheit; Bakämpfungsmittel [Kiel] 65p. 8° Quakenbrück, 1935.

Hood, E. G., & White, A. H. Studies on moulds and yeasts in creamery B. 15p. 8° Ottawa, 1928.

Forms Pamphl. No. 92, Canada Dep. Agr.

Baker, M. P. Some of the relationships among the organisms in B cultures. J. Sc. Iowa Coll., 1931–32, **6:** 409–11.—**Beyma thoe Kingma, F. H. van.** Beschreibung einiger neuer Pilzarten aus dem Centraalbureau voor Schimmelcultures Baarn (Holland) Zbl. Bakt., 2. Abt., 1938–39, **99:** 381–94.—**Brisou, J.** Analyse bactériologique des B dans la région de Brest; biologie du bacille typhique dans le B. Lait, 1935, **15:** 864–8.—**Collins, M. A., & Hammer, B. W.** Migration of bacteria through B. J. Sc. Iowa Coll., 1932–33, **7:** 453–60.—**Fouts, E. L.** Effect of growth of microorganisms on acid numbers of fat in cream and B. Ibid., 1939–40, **14:** 32–4.—**Haudu-roy, P.** Etude des voiles du bacille du B de Rabinowitsch. C. rend. Soc. biol., 1938, **128:** 870.—**Hoecher, W. H.** Distribution of salt in B and its effect on bacterial action. J. Sc. Iowa Coll., 1941–42, **16:** 75.—**Krishnaswamy, M. A., & Laxminarayana, H.** Microflora in B. Current Sc., Bangalore, 1948, **17:** 159.—**Long, H. F., & Hammer, B. W.** Examination of B with the Burri smear culture technic. J. Sc. Iowa Coll., 1937–38, **12:** 441–50, pl. ——— Factors influencing bacterial growth in B. Bact. Rev., Balt., 1941, **5:** 337–74.—**Perini, P. E.** Sulla presenza e resistensa all'azione del tempo delle brucelle nel B del commercio. Igiene mod., 1939, **32:** 137–41.—**Shadwick, G. W.,** jr. A study of comparative methods and media used in microbiological examination of creamery B; yeast and mold counts. Food Res., 1938, **3:** 287–98.—**Slade, H. D., & Werkman, C. H.** The anaerobic dissimilation of citric acid by cell suspensions of Streptococcus paracitrovorus. J. Bact., Balt., 1941, **41:** 675–84.—**Thibodeau, R.** Diacetyl in B cultures. Med. School Digest, Minneap., 1938–39, **2:** 140 (Abstr.)—**Tubercle** bacilli and uncooked food. Bull. Vermont Bd Health, 1911–12, **12:** No. 3, 58–60.—**Voiculescu, T.** Action pathogène du bacille de timothée incorporé à du B. C. rend. Soc. biol., 1939, **130:** 1448–51.

—— Butter: Chemistry.

André, V. Beurre; détermination rapide de l'indice d'acides volatils. Ann. pharm., Louvain, 1901, **7:** 193–5.—**Berl, S., & Peterson, W. H.** Determination and content of carotene and vitamin A in Wisconsin B. J. Nutrit., 1943, **26:** 527–38.—**Boer, J.** Un facteur nouveau, présent dans le B d'été, activant la croissance chez le rat. In: Exposés ann. biochim. méd., Par., 1948, 9. ser., 97–125.—**Clayton, W.** Butter and margarine from the standpoint of colloid chemistry. In: Colloid Chem. (Alexander, J.) N. Y., 1932, **4:** 579–88.—**Goodwin, T. W., & Morton, R. A.** The determination of carotene and vitamin A in B and margarine. Analyst, Lond., 1946, **71:** 15–20.—**Grant, G. A., Gibbons, N. E.** [et al.] Chemical and microbiological studies on stored, salted B. Canad. J. Res., 1948, **26:** F, 105–24.—**Harriman, L. A.** Causes of slow acid production in B cultures. J. Sc. Iowa Coll., 1934–35, **9:** 155–7.—**King, N.** Chimie colloïdale du B; condition à l'histologie des substances technique. Lait, 1932, **12:** 501; 675.—**Kopatschek, F.** Manteca. In his: Manual lab. quím., B. Air., 1942, 189–93.—**Mohr, W., & Eichstaedt, A.** L'action de la crème et de la matière grasse du B sur les métaux et des métaux sur la qualité du B et du B fondu. Lait, 1935, **15:** 316–21.—**Moir, G. M., & Andrews, E. D.** Methods for estimating the iron and copper contents of B. Analyst, Lond., 1943, **68:** 253 (Abstr.)—**Parfitt, E. H., Brown, W. H., & Shadwick, G. W.,** jr. Application of the phosphatase test to B. Am. J. Pub. Health, 1940, **30:** 240–6.—**Shadwick, G. W.,** jr, & **Parker, M. E.** Application of the phosphatase test to creamery B. Ibid., 1939, **29:** 482–9.—**Strain, H. H.** Carotene; isolation and detection of α-carotene, and the carotenes of carrot roots and of B. J. Biol. Chem., 1939, **127:** 191–201.—**Vandam, L.** Notice sur un procédé de dosage des acides du B solubles dans l'eau. Ann. pharm., Louvain, 1901, **7:** 195–200.—**Van Dormael, J.** Etude comparative des diverses méthodes utilisées pour la recherche quantitative des acides insolubles et fixes dans le B et la margarine. Ibid., 1903, **9:** 481–6.—**Vivario, R., & Van Beneden, G.** Etude chimique des B. Congr. pharm. Liège (1934) 1935, 165–7.

—— Butter: Flavor and odor.

Carlinfanti, E. Le attuali nozioni sull'aroma del B. Iglene mod., 1946, **39:** 12–5.—**Claydon, T. J., & Hammer, B. W.** A skunk-like odor of bacterial origin in B. J. Bact., Balt., 1939, **37:** 251–8.—**Derby, H. A.** Bacteriological studies on B showing surface taint. J. Sc. Iowa Coll., 1934–35, **9:** 145.—**Fabricius, N. E.** The influence of various procedures on the flavor and keeping quality of B. Ibid., 1936–37, **11:** 54–6.—**Hedrick,**

T. I. Flavor development in unsalted B. Ibid., 1942–43, **17**: 77–9.—**Jamieson, M. C.** A new method for studying the effect of bacteria on B flavor. Food Res., 1943, **8**: 62–6.—**Parker, M. E., & Shadwick, G. W., jr.** Chemical determination of aroma in B and B cultures. Ibid., 1937, **2**: 227–35.

—— Butter: Inspection.

Lamy, J. *Les B de crèmes maturées au point de vue hygiène. 101p. 8° Par., 1937.

Barker, J. B. Veterinary practice in association with a B factory. Austral. Vet. J., 1936, **12**: 25–8.—**Schloemer, A.** Ueberwachung des Verkehrs mit B und Butterschmalz. In: Handb. Lebensmittelchem., Berl., 1942, **9**: 569–79, illust.

—— Butter: Laws and regulations.

Acts relating to oleomargarine, renovated or process B and adulterated B, U. S. C. 26: 2300 to 2314, 2320 to 2327, 3200 to 3203, 3206 to 3207. In: Treat. Law of Food (Toulmin, H. A., jr) Cincin., 1942, 1034–40.—**Decreto** sobre mantequilla y oleomargarina. In: Leyes (Costa Rica) S. José, 1935, 63.—**Decreto** sobre empaque de la mantequilla destinada a la venta. Ibid., 64.—**Jahreszeitlich** bedingte Butterfehler und ihre Bekämpfung (was neue dänische Erfahrungen lehren) Milchwirtsch. Ztg, 1942, **50**: 579.

—— Butter: Metabolism, and nutritive value.

Boer, J., & Jansen, B. C. P. Investigations on the nutr. value of B, compared with that of other fats to which varying amounts of vitamin A and vitamin D have been added. 177p. 24cm. Amst., 1942.

Forms Livr. 1, Arch. néerl. physiol., 1942, **26**:

Koinzer, E. *Vergleichende Untersuchung über den Einfluss der frischen und der gebräunten B auf die Lage der Harnquotienten C:N und Vacat-O:N [Berlin] 31p. 23cm. Charlottenb., 1940.

Brown, E. F., & Bloor, W. R. The nutr. value of the fatty acids of B including their effect on the utilization of carotene. J. Nutrit., 1945, **29**: 349–60.—**Butter** and national health. Med. Off., Lond., 1938, **60**: No. 6, p. vii.—**Butter** and the nation's diet. Glasgow M. J., 1938, **130**: No. 3, Advertisement, 23.—**Butter** is superior to vegetable oils for children. Diplomate, 1943, **15**: 16.—**Chanda, R.** The comparative nutr. value of B and hydrogenated fat (vanaspati) Brit. J. Nutrit., 1949, **3**: Suppl., p. v–vii.—**Christensen, C. L.** Butter in national health. Wisconsin M. J., 1942, **41**: 50; 532.—**Comparative** (The) nutr. value of B and oleomargarine. J. Am. M. Ass., 1942, **119**: 1425–7.—**Ershoff, B. H., Pagones, J. N., & Deuel, H. J.**, jr. Comparative nutr. value of B and vegetable fats under conditions of low environmental temperature. Proc. Soc. Exp. Biol., N. Y., 1949, **70**: 287–90.—**Euler, B. v., Euler, H. v., & Säberg, I.** Versuche über Nahrungsfaktoren der B. Ernährung, 1943, **8**: 257–64.—**Hagnell-Zethraeus, G., Neymark, M., & Widmark, E. M. P.** A comparative investigation of the influence of B and margarine on the Ca assimilation of growing and full-grown rats in full vitamin supply. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 92 (Abstr.)—**Heftmann, E.** Some studies on the nutr. value of B fatty acids. J. Nutrit., 1947, **34**: 455–67.—**Hill, L.** The nutr. value of B. Practitioner, Lond., 1938, **141**: 345.—**Noeggerath, C.** Butterscheue Kinder. Mschr. Kinderh., 1930, **46**: 289–99.—**Nutritive** (The) value of B. Edinburgh M. J., 1938, **45**: Advertisements, 11. Also Borden's Rev. Nutr. Res., 1943, **4**: 1–10.—**Richet, C., & Maret, R.** Valeur comparée du B et de la margarine soit pure soit additionnée de vitamine A; étude expérimentale sur la croissance du rat. Bull. Acad. nat. méd., 1949, **133**: 338–40.

—— Butter, pasteurized.

Hood, E. G., & White, A. H. The cause and prevention of mould in Canadian pasteurized B. 20p. 8° Ottawa, 1926.

Forms No. 48, Bull. Canada Dep. Agr.

Bouska, F. W., & Brown, J. C. The significance of yeasts and oidia in pasteurized B. Univ. Wisconsin Stud. Sc., 1921, No. 2, 131–8.—**Nyiredy, I.** [Conditions of increase of bacteria in pasteurized B] Allatorv. lap., 1936, **59**: 313–6.—**Perini, P. E.** Ricerche ed osservazioni sul contenuto in microviventi del B pastorizzato e non-pastorizzato. Gior. batt. immun., 1937, **19**: 433–40.—**Schutt, D. B.** Contaminated water as a source of surface flavor in pasteurized creamery B. J. Bact., Balt., 1929, **17**: 39.

—— Butter: Rancidity, and deterioration.

Hussong, R. V. The relationships of a lipolytic organism to rancidity of B. J. Sc. Iowa Coll., 1933–34, **8**: 199–201.—**Nelson, J. A.** The correlation between the organisms found microscopically and the bacteriological deterioration of B. Ibid., 213–5.—**Olson, H. C.** The microflora of churn and its importance in the deterioration of B. Ibid., 217–9.

—— Butter: Storage.

Boogaert, H. L., Homans, L. N. S. [et al.] In hoeverre kan de duurzaamheid van koelhuisboter worden beïnvloed door verschillende wijzen van het zuren van de room en door het al of niet zouten van de boter? p.1–52. 24cm. Amst., 1937.

Antonie van Leeuwenhoek, 1937, **4**:

Bordas. Conservation des B par le bicarbonate de soude et le nitrate de soude. Ann. falsif., Par., 1914, **7**: 45–9.—**Conservación** de la mantequilla en los trópicos. Bol. Of. san. panamer., 1946, **25**: 169.—**Erfahrungen** und Erkenntnisse bei der Lagerung von B. Milchwirtsch. Zbl., 1942, **71**: 51.—**Heat** resistant B developed by Army. Minnesota M., 1942, **25**: 643.—**Kanunnikova, Z. A.** [Effect of various concentrations of NaCl on the decomposition of B by microorganisms and the formation of some ferments] Ark. biol. nauk, 1936, **43**: 117–27.—**Marchadier.** L'acide benzoïque agent conservateur des B. Ann. falsif., Par., 1911, **4**: 28.—**Van Dam, W.** Expériences techniques concernant l'influence de la réfrigération à très basse température sur la consistance du B, immédiatement après sa préparation, et la teneur en matière grasse du babeurre. Lait, 1928, **8**: 474–82.—**White, A. H.** Studies of storage B showing surface deterioration. Exp. Sta. Rec., Wash., 1943, **89**: 248 (Abstr.)—**Wiley, W. J.** The effect of acidity on the keeping quality of unsalted B. J. Counc. Sc. Indust. Res., Melb., 1937, **10**: 327–32.

—— Butter: Substitute.

Amaral, F. P. do. A substituição da manteiga sob o ponto de vista nutritivo. An. paul. med. cir., 1943, **46**: 205.—**Bandel, F.** [Artificial B] Ny pharm. tid., Kbh., 1874, **6**: 300–3.

—— Butter: Vitamin content.

United States. Department of Agriculture. Miscellaneous Publication, No. 571: Vitamin A in B. 14p. 20cm. Wash., 1945.

Atkeson, F. W., Hughes, J. S. [et al.] Recovery of carotene and vitamin A from B when cows were fed unlimited quantities of green rye. J. Nutrit., 1937, **14**: 621–9.—**Bacharach, A. L.** The vitamin content of ghee. Brit. M. J., 1930, **2**: 141.—**Beeson, W. M.** Factors affecting the carotene and vitamin A content of B. Summaries Doct. Diss. Univ. Wisconsin, 1937, **1**: 171–3.—**Berry, G. B.** The effect of sunshine upon the antirachitic potency of B. Proc. Oklahoma Acad. Sc. (1941) 1942, **22**: 27–30. Also Vet. Bull., Lond., 1943, **13**: 296 (Abstr.)—**De, N. K., Ranganathan, S., & Sundararajan, A. R.** Vitamin A and carotene content of ghee (clarified B) and fortified margarine. Ind. J. M. Res., 1946, **34**: 3–12.—**Ellenberger, H. A., Guerrant, N. B., & Fardig, O. B.** Seasonal variations in the vitamin A and the carotene content of retail B. J. Nutrit., 1947, **33**: 39–52.—**Flury, F.** Zur Frage der Standardisierung des Vitamins D in B und vitaminhaltiger Margarine. Biochem. Zschr., 1928, **203**: 14–21.—**Gallup, W. D., & Kuhlman, A. H.** Rapid estimation of carotene in B fat. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 361 (Abstr.)—**Hauge, S. M.** Feeding of cows controls vitamin A content of B. Food Indust., 1942, **14**: No. 2, 48.—**Jackson, R. W.** Studies with the vitamin A of B fat. J. Nutrit., 1931–32, **4**: 171–84.—**Leuschen, M. E., Kunerth, B. L.** [et al.] Vitamin A activity of B determined by various methods. Ibid., 1937, **14**: 247–59.—**Lundborg, M.** Zur Kenntnis des A-Vitamins im Butterfett. Biochem. Zschr., 1931, **235**: 1–13.—**Scheunert, A., & Wagner, E.** Ueber das Verhalten des Vitamin-A-Gehaltes der B bei verschiedener Erhitzungsweise. Ibid., **236**: 29–34.—**Wilkinson, H.** The vitamin A and vitamin D contents of B; seasonal variation. Analyst, Lond., 1939, **64**: 17–23.

—— By-products.

Bünger. Milchabfälle in der Schlachtvieherzeugung. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 695 (Abstr.)—**Caserio, E.** Aspetti autarchici del probl. alim.; l'utilizzazione razionale dei sottoprodotti della lavorazione industriale del latte. Ibid., 643 (Abstr.)—**Hunziker, C. F.** L'utilisation des excédents de lait considérée du point de vue de la fabrication des conserves. Lait, 1939, **19**: 92–108.—**Kalmanovich, F. L.** [MP from laboratory by-products] Hig. & san., Moskva, 1943, **8**: No. 8, 33.—**Simskaja, A. M.** [MP from laboratory by-products] Ibid., 35.

—— canned.

Nichols, A. A. The bacteriology of canned milk products. 4p. 28cm. Lond., 1936.

—— Cheese [Abbrev.: C for cheese; F for fromage; K for Käse; Q for queijo]

See also **Cheese**, in 4. series; also **Milk casein; Milk coagulation.**

Mezger, O., & Umbrecht, J. Käse. p.308–422. 25½cm. Berl., 1936.

In: Handb. Lebensmittelchem. (Bömer, A.) Berl., 1936, **3**:

SCHLOEMER, A. Käse. p.580–624. 25½cm. Berl., 1942.
In: Handb. Lebensmittelchem., Berl., 1942, 9:

Grollet, C. Les F. Rev. path. comp., Par., 1932, **32**: 1171–3.—**Simková, V.** Sýr, pochoutka starověku. Výživa lidu, 1949, **4**: 331.—**Winteler, J.** Naturgeschichte des Schabziegers. Praxis, Bern, 1941, **30**: 902.

—— Cheese: Adulteration.

Cheese: appeal; alleged misleading label. Brit. Food J., 1940, **42**: 103–5.—**Cheese**; cream cheese. Ibid., 93.—**Cream C**; fat deficiency; presence of foreign fat. Ibid., 115.—**Fellenberg, T. v.** Nachweis von Gelatine in K. Mitt. Lebensmitteluntersuch., Bern, 1938, **29**: 10–5.—**Griebel, C., & Zeglin, H.** Zum Nachweis geringer Mengen Pektin in Speisequarg. Zschr. Untersuch. Lebensmitt., 1937, **74**: 16–21.—**Liverseege, J. F.** Cheese. In his Adulter. & Analys. Foods, Lond., 1932, 302–8.—**Martin, R.** Quelques réflexions sur la répression de la fraude dans la fourniture du lait de brebis et le commerce des F de Roquefort. Ann. falsif., Par., 1909, **2**: 501–4.—**Péter, A.** Ueber den Nachweis und die Bestimmung von zum Liptauer K gemischtem Kuhkäse. Zschr. Untersuch. Lebensmitt., 1938, **76**: 118–23.

—— Cheese: Analysis.

Bourgeois, J. Au sujet de l'adaption des butyromètres à lait pour le dosage de la matière grasse dans les F. Lait, 1940, **20**: 403–7.—**Cheese.** In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 336–42.—**Convention** internationale pour l'unification des méthodes de prélèvement et d'analyse des F dans le commerce international, Rome, 26 avril 1934. Ann. falsif., Par., 1935, **28**: 480–6.—**Delay, L.** Quels sont les procédés à prescrire pour l'analyse et le contrôle du F? Ibid., 1911, **4**: 595–9.—**Fromages.** Bull. san. pub., Brux., 1949, **11**: 78–80.—**Harper, R., & Baron, M.** Factorial analysis of rheological measurements on C. Nature, Lond., 1948, **162**: 821.—**Hostettler, H., & Künzle, L.** Beiträge zur Methodik der Käseanalyse; die Verwendung von Pergamentpapierbechern an Stelle der Glasbecher zur acidbutyrometrischen Fettgehaltsbestimmung nach Gerber-van Gulik. Mitt. Lebensmitteluntersuch., Bern., 1947, **38**: 28–33.—**Internationale** Abkommen zur Vereinheitlichung der Methoden für die Entnahme von Proben und die Untersuchung von K. Reichsgesundhbl., 1938, **13**: 17–9.—**Kay, H. D., Hiscox, E. R.** [et al.] Cheese; some recent chemical and physico-chemical findings. Analyst, Lond., 1941, **66**: 39–43.—**Koestler, G.** Zur Kenntnis der Teigeigenschaften des Emmentalerkäses. Mitt. Lebensmitteluntersuch., Bern, 1938, **29**: 188–201. ——— Zustandsanalytische Betrachtungen am Gel des Emmentalerkäses. Ibid., 1942, **33**: 33–47.—**Macfarlane, T.** On the analysis of C. Proc. R. Soc. Canada, 1903, **9**: Sect. 3, 3–13.—**Métodos** oficiales para análisis de Q, empleados por el Laboratorio de química analítica, bromatología y toxicología del Ministerio de sanidad y asistencia social. Rev. san., Caracas, 1943, **8**: 67–75.—**Munin, F.** Neue Methoden der Käseuntersuchung und Stickstoffbestimmung. Milchwirtsch. Ztg, 1942, **50**: 580–2.—**Nicholls, J. R.** Water and fat in English C. Analyst, Lond., 1941, **66**: 265–86.—**O'Shea, M. J., & Lyons, J.** Some points concerning commercial methods of estimating the moisture and fat content of C. Econom. Proc. R. Dublin Soc., 1941, **3**: 91–106.—**Penados M., R. P.** Análisis de Q; métodos de laboratorio. Esc. farm., Guatemala, 1948–49, **11**: No. 138, 16–24.

—— Cheese: Bacteriology.

HOFMANN, W. *Zur Kenntnis der Bakterien- und Pilzflora des Camembertkäses in verschiedenem Reifungszustand. 52p. 8° Kiel, 1935.

PERSS, H. R. *Untersuchungen über die auf K und Quarg vorkommenden Torulahefen und ihre Bedeutung für die Käserei [Kiel] 54p. 21cm. Stolp, 1936.

STÖLTING, B. G. J. *Ueber die Streptokokken des normal reifenden Tilsiter K; Beitrag zur Kenntnis beweglicher Streptokokken [Kiel] 69p. 8° Quakenbrück, 1935.

Babei, F. J. Bacteriological studies on Swiss-type C from pasteurized milk. J. Sc. Iowa Coll., 1939–40, **14**: 6.—**Beynum, J. van, & Pette, J. W.** Propionsäurebakterien in Gouda und Edamer-Käser. Milchwirtsch. Zbl., 1942, **71**: 281–3. ——— Der Nachweis gasbildender Bakterien im K. Ibid., 1943, **72**: 81.—**Burri, R.** Zur Methodik der bakteriologischen Käseuntersuchung. Rep. Internat. Congr. Microb. (1939) 1940, 3. Congr., 716.—**Corberi, E.** Ricerche sopra i cocchi acidoproteolitici del Gorini. Arch. Mikrob., Berl., 1938, **9**: 95–115.—**Crispino, L.** Sulla presenza di germi del gruppo Coli-aerogenes in alcuni tipi di F di produzione bergamasca. Riv. ital. igiene, 1942, **2**: 418–27.—**Delitsch, H.** Ueber Mikrokokken im Tilsiter K. Zbl. Bakt., 2. Abt., 1937–38, **97**: 389–99.—**Demeter, K. J., & Janoschek, A.** Vorkommen von Propionsäurebakterien in verschiedenen Käsesorten. Rep. Internat. Congr. Microb. (1939) 1940, 3. Congr., 717. ——— Vorkommen und Entwicklung der Propionsäurebakterien in verschiedenen Käsearten. Zbl. Bakt., 2. Abt., 1940–41, **103**: 257–71.—**Dörwald, W.** Untersuchungen über Bact. proteus, fluorescens und alcaligenes in der Milchwirtschaft, unter besonderer Berücksichtigung des Vorkommens dieser Bakterien auf dem Tilsiter K. Ibid., 1938–39, **99**: 177–209.—**Dorner, W.** Un cas remarquable de gonflement tardif du F ¼ gras causé par Escherichia coli. Schweiz. Zschr. Path. Bakt., 1943, **6**: 412–4.—**Garey, J. C.** The bacteriology of brick C during its manufacture. Summaries Doct. Diss. Univ. Wisconsin, 1940, **5**: 11.—**Gilman, H. L., Dahlberg, A. C., & Marquardt, J. C.** The occurrence and survival of Brucella abortus in cheddar and limburger C. Rep. N. York State Vet. Coll. (1944–45) 1946, 147–60.—**Golding, N. S.** Some factors affecting the growth of Penicillium roqueforti in C. J. Sc. Iowa Coll., 1934–35, **9**: 151–3.—**Gorini, C.** Acidoproteolytic cocci in American C. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 3. Congr., 716.—**Janoschek, A.** Mikrobiologie der Emmentaler Käserei. Zbl. Bakt., 1. Abt., 1939, **144**: Beih., 171–4; Disc., 196; 1940, **136**: 11.—**Johns, C. K., & Katznelson, H.** Studies on bacteriophage in relation to Cheddar cheesemaking. Canad. J. Res., 1941, **19**: Sect. C, 49–58, pl.—**Kästli, P.** Die Lebensfähigkeit von Mycobacterium tuberculosis in schweizerischen Käsesorten. Schweiz. Zschr. Path. Bakt., 1948, **11**: 408–13.—**Krenn, E.** Bact. proteus als Fäulniserreger in Weichkäse. Wien. tierärztl. Mschr., 1946, **33**: 475.—**Margolena, L. A., & Hansen, P. A.** Propionibacterium rubrum from dairy C. Zbl. Bakt., 2. Abt., 1938–39, **99**: 107–15.—**Mattick, A. T. R., & Shattock, P. M. F.** Group D streptococci in English hard C. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1943, **2**: 73–5.—**Meyer, W.** Bakteriologische und chemische Untersuchungen an normal und schlecht gereiften Tilsiter K. Zbl. Bakt., 2. Abt., 1938, **98**: 212–33.—**Mucciolo, P., Lacaz, C. S., & Ribeiro, P. A.** Penicliose em Q; observações preliminares sôbre a ação do etil-mercuri-tiosalicilato de sódio (merthiolate) na profilaxia das alterações produzidas pelo Penicillium sp. Rev. Fac. med. vet., S. Paulo, 1945–48, **3**: 283–300, 2 pl. Also Bol. Soc. paul. med. vet., 1947–48, **8**: 85–100.—**Palladina, O. K.** [Investigation of bacterial leavens for C] Mikrobiologia, Moskva, 1938, **7**: 592–610.—**Runov, E. V.** Rasprostranennost streptokokkovogo bakteriofaga v syrakh. Ibid., 1949, **18**: 174–6.—**Sarukhanova (Sarukhanian), F. G.** Stojkie rasy židkikh kultur Bact. casei. Ibid., 1940, **9**: 718–29.—**Tittsler, R. P., Sanders, G. P.** [et al.] The effects of lactobacilli on the quality of Cheddar C made from pasteurized milk. J. Bact., Balt., 1947, **54**: 276.—**Vizir, P. E.** [Bacterial contamination of the brynza C] J. mikrob., Kiev., 1940, **7**: No. 4, 47–78.—**Weiser, H. H.** Microorganisms associated with gassy Swiss C. J. Bact., Balt., 1942, **43**: 46.—**Yale, M. W., & Marquardt, J. C.** Factors affecting the survival of Streptococcus pyogenes in C. J. Milk Techn., 1940, **3**: 326–33.

—— Cheese, canned.

Jones, G. R. Storage of canned C under widely different temperatures. Army Vet. Bull., 1942, **36**: 117–9.

—— Cheese: Chemistry.

SILVA GRAÇA MENDES, M. E. DA, & CARVALHO DE ALMEIDA, R. Contribuição para o estudo da composição química e do valor alimentar dos Q nacionais. p.81–186. 26cm. Lisb., 1948.
In: Bol. Inst. sup. hig. Jorge, Lisb., 1948, **3**:

Caserio, E., & Erba, I. Ricerche sulla costituzione chimicobiologica del Gorgonzola in rapporto alla qualità. Q. nutriz., Bologna, 1936, **3**: 472–9.—**Chemistry** of C. Brit. M. J., 1940, **2**: 838.—**Davis, J. G.** Enzymes in C. Nutrit. Abstr., Aberdeen, 1941–42, **11**: 189.—**Florentin, D.** Le dosage de la matière grasse dans les F. Ann. falsif., Par., 1938, **31**: 351–5.—**Grossfeld, J., & Zeisset, A.** Neue Methode zur Fettbestimmung in K. Zschr. Untersuch. Lebensmitt., 1942, **84**: 193–202.—**Guittonneau, G., & Chevalier, R.** L'idée des caractéristiques calcophosphoriques; étude sur le Ca et le P dans les F. Ann. falsif., Par., 1935, **28**: 198–208.—**Igiesias, E. J.** Composición química de los C de Tafi. Arch. farm. bioquím. Tucumán, 1945, **2**: 385–400.—**Knudsen, S.** [Determination of hydrogen ion concentration of C by aid of the quinhydrone electrode] Aarsskr. Vet. Landbohøjsk., Kbh., 1925, 1–11. Also Zschr. Untersuch. Nahrungsmitt., 1925, **50**: 300–6.—**Lane, C. B., & Hammer, B. W.** Studies on the fat of cheddar C. J. Sc. Iowa Coll., 1938–39, **13**: 149–55.—**Leather, A. N.** Ca tartrate crystals in processed C. Analyst, Lond., 1949, **74**: 51.—**Maxa, V.** O chemickém složení některých československých sýrů. Výživa lidu, 1949, **4**: 40–2.—**Mazé, P., & Mazé, P. J.** Action solubilisante de la présure sur les caillés de fromagerie. C. rend. Soc. biol., 1939, **130**: 124.—**Personius, C., Boardman, E., & Ausherman, A. R.** Some factors affecting the behavior of cheddar C in cooking. Food Res., 1944, **9**: 304–11.—**Ungan, A.** Türkiye beyaz ve kasar peynirleri üzerinde kimyazal incelemeler [Chemical studies on different kinds of C in Turkey] Türk ijiyen & tecr. biyol. dergisi, 1948, **8**: No. 2, 130–5.—**Zeisset, A.** Zur Fettbestimmung in Käse nach von Gulik. Zschr. Untersuch. Lebensmitt., 1942, **84**: 301–8.

—— Cheese: Hygiene, and inspection.

Bolotov, M. P. [Significance of the catalase indicator in estimation of the quality of C] Hig. & san., Moskva, 1940, **5**: No. 2, 17–21.—**Carlinfanti, E.** La produzione dei F pastoriz-

zati dal punto di vista igienico. Igiene & san. pub., 1947, **3**: 422–6.—**Cheese.** Hygeia, Chic., 1940, 18: 243.—**Gilcreas, F. W.** Report on pasteurization of dairy products; the phosphatase test in the examination of hard C. Stud. Div. Laborat. N. York State Dep. Health, 1945–47, **12**: No. 50, 422–30. Also Annual Rep. Div. Laborat. N. York State Dep. Health, 1946, 83.—**Gutsche, F. W.** Begutachtung von Harzer K durch die bakteriоskopische Untersuchungsmethode. Zschr. Untersuch. Lebensmitt., 1938, **76**: 209–25.—**Scharer, H.** Application of the phosphatase test to C; a preliminary report on cheddar type C. Am. J. Pub. Health, 1945, **35**: 358–60.

—— Cheese: Laws and regulations.

Application du décret-loi du 23 decembre 1939 relatif à l'abaissement de 5% de la teneur en matière grasse des F. Ann. falsif., Par., 1940, **33**: 131–3.—**Décret-loi** du 1er avril 1940, rendant obligatoire le marquage des F. Ibld., 117.—**Filled** Cheese Act, U. S. C. 26: 2350 to 2362 and U. S. C. 26: 3210, 3211. In: Treat. Law of Food (Toulmin, H. A., jr) Cincin., 1942, 1029–33.—**Fabrication,** définition et commerce des F [France. Décret du 20 octobre 1936] Ann. falsif., Par., 1936, **29**: 494–502.—**Fromages;** Camembert; teneur en matière grasse; F contenant moins de 36% de matière grasse; vente sous la dénomination Camembert; définition du congrès de Genève; usages du commerce; tromperie sur l'espèce et l'origine (Jugement) Ibid., 1921, **14**: 302.—**Swaving, A. J.** La législation en matière de F. Ibld., 1923, **16**: 622; world-wide.

—— Cheese: Metabolism, and nutritive value.

Albert, J. *Unterschiede in der ernährungsphysiologischen Wirkung von Kasein und K. 28p. 23cm. Berl., 1938.

Blix, G. Mesost som järnkälla i näringen. Upsala läk. fören. förh., 1947, **52**: 223–5.—**McLester, J. S.** Cheese. In his Nutr. & Diet, 4. ed., Phila., 1943, 181–4.—**Orrù, A.** Il valore alimentare di alcuni derivati del latte; ricerche ed osservazioni sul F pecorino. Q. nutriz., Bologna, 1936, **3**: 313–41.—**Zuleger, F.** Význam a důležitost syrové stravy pro dítě. Výživa lidu, 1948, **3**: 116–8.

—— Cheese, pasteurized.

Caserio, E. Modificazioni provocate dal trattamento di pastorizzazione del F sulle varie frazioni azotate. Q. nutriz., Bologna, 1938, **5**: 349–54.—**Pavan, G.** Ricerche batteriologiche sui F pastorizzati. Igiene mod., 1938, **31**: 257–62.—**Saravia Iglesias, G.** Estudio sobre los Q pasteurizados. Rev. zootecn., B. Air., 1937, **24**: 128–50.

—— Cheese: Pathological effect.

Alter, A. A. [Endemic poisoning in the Kharkhov region by C made of ewe's milk] Hig. & zdorov., 1941, **6**: No. 2, 58.—**Berberian, D. A.** Cheese poisoning in Syria and the Lebanon. J. Palestine Arab M. Ass., 1946, **1**: 30–7.—**Bornand, M., & Bonifazi, G.** Deux cas d'empoisonnement par du F. Mitt. Lebensmitteluntersuch., Bern, 1939, **30**: 7–9.—**Chertkova, F., & Blank, L.** [Study of B. perfringens in relation to poisoning with pressed cottage C] J. mikrob., Moskva, 1938, **19**: 881.—**Donatelli, L.** Avvelenamenti da F; considerazioni critiche e cliniche. Riv. clin. med., 1938, **39**: 1–19.—**Fabian, F. W.** Cheese and its relation to disease. Am. J. Pub. Health, 1947, **37**: 987–96.—**Florentin, D.** Les intox. alim. d'origine microbienne, en particulier celles qui concernent les F. Ann. hyg., Par., 1938, n. sér., **16**: 539–48. ——— La flore colibacillaire des F et les intox. alim. C. rend. Acad. sc., 1938, **206**: 1060–2.—**Kobert, E.** Käsegift. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1909, **7**: 491–3.—**Macdonald, A.** Staphylococcal food poisoning caused by C. Month. Bull. Emerg. Pub. Health Laborat. Serv., Lond., 1944, **3**: 121.—**Majoewskij, W. H. F. C., & Tuenter, J. P. A.** [C poisoning] Antonie van Leeuwenhoek, Amst., 1935, **2**: 388–417.—**Meyer, K. F.** Cheese-borne epidemics of typhoid fever. California West. M., 1944, **61**: 137–9.—**Schaede.** Ueber eine Käsevergiftung. Zbl. Bakt., 1. Abt., 1938–39, **143**: 67–9.—**Tiedeman, W. D.** Cheese as a factor in disease transmission. Health News, Albany, 1944, **21**: 174.—**Török, P., & Acs, L.** [C poisoning] Népegészségügy, 1937, **18**: 175–82.—**Verge, J.** Les toxi-infect. alim. dues aux F. Rev. path. comp., Par., 1948, **48**: 177–81.

—— Cheese: Vitamin content.

Balsamelli, F. Ricerche sul valore vitám. dei formaggi pastorizzati comparativamente al valore vitam. dei F freschi e di quelli stagionati. Zschr. Vitaminforsch., Bern., 1938–39, **8**: 136–44.—**Burkholder, P. R., Collier, J., & Moyer, D.** Synthesis of vitamins by microorganisms in relation to vitamin content of fancy C. Food Res., 1943, **8**: 314–22.—**Davies, A. W., & Moore, T.** The vitamin A content of C. Biochem. J., Lond., 1939, **33**: 1645–7.—**Evans, E. V., Irvine, O. R., & Bryant, L. R.** The retention of nutrients in C making; thiamine in Cheddar C made from raw and pasteurized milk. J. Nutrit., 1946, **32**: 227–37.—**Morgan, A. F.** Vitamin A in three varieties of C. Am. J. Physiol., 1926, **78**: 11–6.—**Randoin, L.** Recherches sur la teneur en acide ascorbique des PL notamment de différentes variétés de F français. Bull. Soc. chim. biol., Par., 1941, **23**: 358–61.—**Sullivan, R. A., Bloom, E., & Jarmol, J.** The value of DP in nutrition; the riboflavin, pantothenic acid, nicotinic acid and biotin content of several varieties of C. J. Nutrit., 1943, **25**: 463–70.—**Todhunter, E. N., Roderuck, C. E., & Golding, N. S.** The vitamin A value of Roquefort type C. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 565 (Abstr.)

—— Chemistry.

Allen, L. A. Observations on some alcohol-soluble proteins from MP. Biochem. J., Lond., 1931, **25**: 1045–50.—**Ayyar, C. S. R.** Dairy chemistry. Annual Rev. Biochem. Allied Res. India, 1936, **7**: 137–40.—**Cole, W. C., & Smith, F. R.** Use of Nile blue sulfate for studying oil-in-water emulsions. Food Res., 1941, **6**: 413–20.—**Hinton, C. L., & Macara, T.** The determination of aldose sugars by means of chloramine-T, with special reference to the analysis of MP. Analyst, Lond., 1927, **52**: 668–88.—**McDowall, F. H.** Temperature-change in cheese and butter. N. Zealand J. Sc., 1930–31, **12**: 215–27, ch.—**Minato, I.** Nyū-seihin oyobi kokuhun-tyū no glycerophosphatase ni tuite [Study on glycerophosphatase in MP and in flour] Osaka igakkai zassi, 1933, **32**: 1211–8.—**Mirchandani, T. J.** Dairy chemistry. Annual Rev. Biochem. Allied Res. India, 1930, **1**: 9.—**Smith, L. M., Lubert, D. J., & Thornton, H. R.** Estimation of lipase in DP; an extraction-titration method for the estimation of milk lipase. Canad. J. Res., 1949, **27**: F, 483–90. ——— An extraction-titration method for the estimation of bacterial lipase. Ibid., 491–8. ——— Lipase activity in cultures of micro-organisms and in cheese. Ibid., 499–503.

—— Condensed milk [Abbrev.: CM for condensed or concentrated milk and Kondensierte Milch; LC for lait concentré or condensé and leche condensada]

Lassabliere, P. Le lait condensé. 108p. 8° Par., 1919.

Babonneix, L. Le LC. Gaz. hôp., 1933, **106**: 961.—**Blanchard, L., & Thieulin, G.** Utilisation rationnelle des LC sucrés d'origine étrangère (U. S. A.) Bull. Acad. méd., Par., 1946, **130**: 37–40.—**Castellanos, A.** Sobre algunas confusiones existentes en las diluciones de LC. Bol. Soc. cubana pediat., 1934, **6**: 291–300.—**Corley, R. T., & Doan, F. J.** A study of concentration and freezing as a means of preserving fluid whole milk. Food Res., 1940, **5**: 369–78.—**De Luynes & Homberg.** Latte conservato della Compagnia Anglo-Svizzera di Cham cantone di Zug (Svizzera) Gior. farm. chim., Tor., 1874, **23**: 382–4.—**Fortun, S., & García Hernández, M.** Estudio sobre LC importadas. An. Acad. cienc. méd. Habana, 1920–21, **57**: 522–32. Also San. benef., Habana, 1921, **25**: 200–6.—**Goris, A.** La distribution du LC. Bull. Acad. méd., Par., 1945, **129**: 481.—**Haas, J. H. de, & Meulemans, I. O.** [Use of CM in the Dutch Indies] Geneesk. tschr. Ned. Indië, 1937, **77**: 1168–86.—**Kotzine.** Etude sur les LC et les laits conservés [Transl.] Rev. internat. falsif., 1907, **10**: 34–7.—**Labignette, P.** [LC] français et LC américain. Concours méd., 1945, **67**: 820.—**Lait** condensé. Bull. san. pub., Brux., 1949, **11**: 70–2.—**Paisseau, G.** Ce qu'il faut savoir du LC sucré. Bruxelles méd., 1934–35, **15**: 1276.—**Rice, F. M.** Le LC sucré. Médecin chez lui, 1936, **13**: No. 6, 35–9.—**Waltner, K.** A tejkonzervekről. Paediat. danub., Budap., 1947, **1**: 369–75.—**Zbinden, C.** Die Milchkonserve. Schweiz. med. Wschr., 1942, **72**: 968–70.

—— Condensed milk: Adulteration, and contamination.

Rothchild, H. de, & Porcher, C. L'industrie des LC et la fraude. 28p. 8° Par., 1917.

Génin, G. La corrosion des métaux au cours de la fabrication du LC. Lait, 1935, **15**: 159–67.—**Harris, J. J.** Formation of buttone in sweetened CM by Monilia niger. Zbl. Bakt., 2. Abt., 1933, **88**: 58–61.—**Thompson, E. C., Mears, R. P.** [et al.] Metals and CM; corrosion of metals in manufacture of evaporated and sweetened CM. Indust. Engin. Chem., 1933, **25**: 1311–6.

—— Condensed milk: Bacteriology.

Delépine, S. Report upon the effects of certain condensing and drying processes used in the preservation of milk upon its bacterial contents. 49p. 8° Lond., 1914.

Forms No. 97 Rep. Local Gov. Bd Health, Lond.

Bacteriology of CM; a report to the Food Investigation Committee. Lancet, Lond., 1923, **2**: 529.—**Dold, H., & Garratt, E.** The bacteriological and chemical examination of certain brands of CM. J. R. Inst. Pub. Health, 1910, **17**: 294–8.—**Gehri, G.** Untersuchungen über den Keim- und Fermentgehalt CM. Mitt. Lebensmitteluntersuch., Bern, 1928, **19**: 89–101.—**Knudsen, S.** [Yeast and moulds in sweetened CM] Aarsskr. Vet. Landbohøjsk., Kbh. 1922, 282–95.—**Marchal, J. G.** Analyse bactériologique des LC. Bull. Ass. diplôm. microb., Nancy, 1947, No. 28, 31–4.

—— Condensed milk: Composition.

Monier-Williams, G. W. A report on the determination of sucrose, lactose and invert sugar in sweetened CM. 22p. 8° Lond., 1930.
Forms No. 57, Rep. Pub. Health & Med. Subj., Gr. Britain Privy Counc. Med. Res. Counc.

Bonnet, J. Dosage du saccharose et du lactose dans le LC sucré. Lait, 1941, **21**: 150–2.—**De Jesus, P. I., & Lim, R.** Comparative analysis of different brands of imported canned milk. J. Philippine Islands M. Ass., 1939, **19**: 667–75.—**Düring, A.** Vergleichende Saccharose-Bestimmungen in gezuckerter CM. Pharm. Zhalle, 1930, **71**: 49–51.—**Elser, E.** Halbmikromethoden zur Untersuchung von CM. Mitt. Lebensmitteluntersuch., Bern, 1930, **21**: 314–20.—**Hals, S., & Klykken, O. B.** Ueber Fettbestimmungen in CM. Zschr. Untersuch., Nahrungsmitt., 1907, **13**: 338–45.—**Hinks, E., & Hughes, E. B.** Report of the MP Sub-Committee to the Standing Committee on uniformity of analytical methods, the determination of sucrose in sweetened CM. Analyst, Lond., 1930, **55**: 111–22.—**Hinton, C. L., & Macara, T.** The determination of lævulose in sweetened CM. Ibid., 1931, **56**: 286–92.—**Le Grand, L.** Dosage du lactose en présence d'autres sucres réducteurs; application aux laits altérés et aux LC sucrés. Ann. falsif., Par., 1921, **14**: 132–6.—**Leroy, G. A.** Un galapiézomètre. Ibid., 1919, **12**: 34.—**Lorenz, H.** Zur Bestimmung von Saccharose und Lactose in gezuckerter CM. Zschr. Untersuch. Lebensmitt., 1932, **64**: 564–9.—**Mandal Bertelsen, G., & Moller, A.** Determinación de la materia grasa en la leche conservada, especialmente en la LC azucarada. Rev. hig. san. pecuar., Madr., 1931, **21**: 682.—**Miller, E. H.** Composition of Australian sweetened CM. Analyst, Lond., 1912, **37**: 49.—**Polonovski, M.** Modifications physico-chimiques dans des constituants du lait au cours de la concentration en présence de sirop de sucré. Lait, 1937, **17**: 699–707.—**Richard, F.** Analyse du LC sucré. Ibid., 1927, **7**: 635–9.—**Tahara, R.** CM no kensa. Yakugaku zassi, 1889, 130–47.

—— Condensed milk: Control.

Agenjo Cecilia, C. Le contrôle hygiénique du LC sucré. Lait, 1940, **20**: 271–9.—**Organisation** d'un contrôle officiel et facultatif du LC. Bull. san. pub., Brux., 1938, **3**: 468–71.

—— Condensed milk: Defects.

Agenjo-Cecilia, C. Deux nouveaux défauts du LC sucré. Lait, 1940, **20**: 385–90.—**Dodge, C. W.** A possible cause of the formation of gas in cans of CM. J. Infect. Dis., 1905, Suppl. No. 1, 353.

—— Condensed milk: Deterioration.

Ferrabouc, O. L. J. P. Les altérations des LC. Bull. Serv. san., Par., 1942–43, **1**: 422–31.—**Kozin, N. I., & Novikova, E. I.** [Ueber die Ursachen des Dunkelns von gezuckerter CM beim Lagern in der Wärme] Vopr. pitan., 1937, **6**: No. 4, 3–20.—**Krenn, E.** Gärung in CM. Wien. tierärztl. Mschr., 1947, **34**: 423.—**Pettybridge, G. H.** The causes of blowing in tins of CM. Econom. Proc. R. Dublin Soc., 1902–06, **1**: pt 7, 306–20.—**Rudakov, K. I., Harzstein, N. G., & Shiśelova, N. A.** Catenularia fulginea kak vozbuditel porokov sgušćennogo moloka s sakharom. Mikrobiologia, Moskva, 1940, **9**: 45–53.

—— Condensed milk: Evaporated milk

[Abbrev.: EM for evaporated milk; LE for lait évaporé and leche evaporada]

Chicago, Ill. Irradiated Evaporated Milk Institute. The Committee on Foods of the American Medical Association has accepted these statements concerning irradiated EM. Leaflet. 23cm. Chic., 1935.

Poli, M. T. *Du LC homogénéisé et stérilisé non sucré dans l'alim. du nourrisson. 128p. 24cm. Alger, 1933.

Atwood, F. J., & Ehlers, M. S. The use of EM in quantity cookery. J. Am. Diet. Ass., 1933, **9**: 306–14.—**Benton, A. G., & Albery, H. G.** Studies on the stability of EM during sterilization, with reference to the hydrogen ion concentration, alcohol test, and the addition of specific buffers. J. Biol. Chem., 1926, **68**: 251–63.—**Bordas.** La question du LC. Ann. falsif., Par., 1918, **11**: 317–25.—**Cosner, L. B., & Schuck, C.** Suitability of the Bourquin-Sherman diet for riboflavin assays and results obtained in the assay of EM. J. Nutrit., 1948, **35**: 725–32.—**Curran, H. R., Evans, F. R., & Bell, R. W.** Heat activatable spores in EM. Food Indust., 1948, **20**: 370.—**Daniels, A. L.** Further evidence of destruction of thiamine in EM. Am. J. Dis. Child., 1941, **62**: 127–9.—**Deming, J., & Davis, H.** A bacteriological investigation of EM. Arch. Pediat., N. Y., 1931, **48**: 42–7.—**Determination** of water, of total solids, and of fat in dried milk. Analyst, Lond., 1936, **61**: 105–11.—**Doan, F. J., & Josephson, D. V.** Vacuum sealing will retain vitamin C in EM. Food Indust., 1944, **16**: 91, &c.—**Donath, W. F.** [Nutritional value of canned milk; examination for content of anti-xerophthalmic, anti-beri-beri and anti-scorbutic vitamins] Gencesk. tschr. Ned. Indië, 1930, **70**: 129–39.—**Données** (Quelques) générales sur le LC et les laits en poudre. Méd. inf., Par., 1948, **55**: 69; passim.—**Eichelberger, M.** [EM] a milk supply for all. Trained Nurse, 1941, **107**: 335–9.—**Evaporated** milk. J. Am. M. Ass., 1943, **121**: 764.—**Evenson, O. L.** The correction required in applying the Babcock formula to the estimation of total solids in EM. J. Indust. Chem., 1917, **9**: 499–501.—**Fairhall, L. T.** The lead content of EM. J. Indust. Hyg., 1937, **19**: 491–7.—**Guillaume, A.** Le commerce actuel des LC en France. Bull. sc. pharm., Par., 1921, **28**: 379–89.—**Hammer, B. W.** Gas in EM due to a Streptococcus. J. Sc. Iowa Coll., 1927–28, **2**: 1–7.—**Kimball, H.** [EM] Private Hosp., N. Y., 1933, **1**: No. 10, 26.—**Krauss, W. E.** Allocation of ascorbic acid for EM. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1944–45, **4**: 241–3.—**Krenn, I.** Mastmilch. Wien. med. Wschr., 1928, **78**: 397.—**Krieger, C. H., & Scott, H. T.** Stability of vitamin D in irradiated EM. Food Res., 1938, **3**: 283–6.—**Lassablière, P.** Le LE; son histoire; sa composition; ses caractères. Médecin chez lui, 1935, **12**: No. 3, 3–7. —— Une solution pratique de la distribution d'un lait propre et sain; le LC non sucré. Ibid., 1937, **14**: No. 24, 13–6.—**Lomholt, S.** [CM] Pharm. tid., Kbh., 1868, **7**: 244.—**McNellis, R.** [EM] Vet. Bull., Wash., 1936, 30, **2**: 109–22.—**Miami** Valley, Da Lee, Spring Farm, Pitchers Best, and Shady Nook brands EM. J. Am. M. Ass., 1938, **111**: 157.—**Mohri, R. W.** Mineral precipitation in EM. Vet. Bull., Wash., 1940, **34**: 152–8.—**Mojonnier, T., & Troy, H. C.** Standardizing EM. In their Techn. Control Dairy Prod., 2. ed., Chic., 1925, 164–230. —— [EM] its sterilization and physical and chemical control. Ibid., 741–93.—**Osler, A. G., Dillon, E., & Buchbinder, L.** Bacteriological study of canned EM implicated in an outbreak of gastroenteritis. J. Bact., Balt., 1945, **49**: 413.—**Rice, F. E.** Protein, minerals and vitamins of EM. Am. J. Pub. Health, 1934, **24**: 194–8. —— Le LE au point de vue chimique et nutritif. Médecin chez lui, 1935, **12**: No. 22, 30–9. —— De l'utilisation du LC non sucré pour l'alim. infantile. Ibid., 1936, **13**: No. 9, 26–32.—**Schultz, F. W., & Knott, E. M.** Factors affecting the vitamin B_1 content of EM. Proc. Soc. Exp. Biol., N. Y., 1939, **40**: 532–5.—**Shaw, R. H.** [EM] what it is and how it is made. Food Facts, Los Ang., 1927, **3**: No. 3, 16.—**Taylor, H. G., & Roberts, R. W., jr.** Whole lactic acid EM does not require a refrigerator. J. Pediat., S. Louis, 1943, **23**: 307–9.—**Thieulin, G.** A propos des LC et des laits secs d'origine étrangère. Paris méd., 1947, **37**: No. 46, I.—**Tissandier, G.** Fabrication du LC en Suisse. Nature, Par., 1873–74, **2**: 387.—**Tobey, J. A.** The public health value of CM. Med. J. & Rec., 1927, **126**: 208–12.—**Uzan, M.** Un lait qui nous revient d'Amérique; le LC homogénéisé non-sucré. Tunis. méd., 1937, **31**: 307–30.—**Wauters, J.** Les LC et évaporés. Vol. jubil. Soc. sc. méd. natur. Bruxelles, 1922, 411–7.—**Zoller, H. F.** Fats in the EM industry; certain physical and chemical requirements. Indust. Engin. Chem., 1923, **15**: 278.

—— Condensed milk: Evaporated milk—Nutritive value.

Carnation Co. Infant feeding simplified with irradiated Carnation milk, unsweetened, evaporated. 31p. 20½cm. Milwaukee, 1943.

Irradiated Evaporated Milk Institute. Infant feeding with irradiated EM. 39p. 23cm. Chic., 1941.

Doan, F. J., & Josephson, D. V. Observations on the ascorbic acid content of EM. J. Dairy Sc., 1943, **26**: 1031–41.—**Evaporated** milk in diets. Bull. san., Montréal, 1942, **42**: 65–7.—**Hoffman, W. S., Parmelee, A. H., & Grossman, A.** Electrolyte balance studies on premature infants on a diet of EM. Am. J. Dis. Child., 1949, **77**: 49–60.—**Honeywell, H. E., Dutcher, R. A., & Dahle, C. D.** Ossifying potency of raw and EM. J. Nutrit., 1929–30, **2**: 251–6.—**Lassablière, P.** La valeur nutr. du LC non sucré. Médecin chez lui, 1934, **11**: No. 18, 23–33.—**Litchfield, H. R.** [EM] in infant feeding; an evaluation with and without added carbohydrate. Arch. Pediat., N. Y., 1944, **61**: 617–25.—**McCollum, E. V., & Grubb, W.** A completely supplemented EM and its use as a food for infants. Am. J. Dis. Child., 1944, **68**: 231–5.—**McCulloch, H.** Use of EM without added sugar for the feeding of infants. Ibid., **67**: 52–5.—**Miranda, R.** Do emprêgo da lacteina como alimento e medicamento na alimentação do lactente. Laborat. clin., Rio, 1943, **23**: 19–23.—**Rhoads, T. F., Rapoport, M.** [et al.] Studies on the growth and development of male children receiving EM; the effect of various vitamin supplements on growth in length and incidence of rickets during the first two years of life. J. Pediat., S. Louis, 1941, **19**: 169–89. —— Physical growth, dentition, and intelligence of white and Negro children through the first four years as influenced by vitamin supplements. Ibid., 1945, **26**: 415–54.—**Samuels, L. T., & Koch, F. C.** The relative quantities of the heat-stable and heat-labile fractions of vitamin B in raw and EM. J. Nutrit., 1932, **5**: 307–24.—**Smyth, F. S., & Hurwith, S.** Le LE à l'acide lactique partiellement neutralisé et l'alim. infantile. Médecin chez lui, 1936, **13**: No. 18, 29–37.—**Souders, H. J., Hunscher, H. A.** [et al.] Influence of fluid and of EM on mineral and nitrogen metabolism of growing children. Am. J. Dis. Child., 1939, **58**: 529–39.—**Valledor, T.** La LE en la alim. del lactante. Bol. Soc. cubana pediat., 1935, **7**: 261–9.—**Weckel, K. G.** Adding vitamin D concentrates to EM. Food Indust., 1945, **17**: 94–6.

—— Condensed milk: Hygiene.

Carlinfanti, E. Controllo igienico e risanamento del latte destinato alla condensazione e del LC. Ann. igiene, 1945, **55**: 77–98.—**Zottner, G.** Au sujet de la salubrité des LC sucrés. Maroc méd., 1945, **24**: 170–2.

—— Condensed milk: Laws and regulations.

Condensed (The) milk, milk content, [Ministry of Food] order, 1940; dated October 26, 1940. Analyst, Lond., 1941, **66**: 12.

—— Condensed milk: Nutritive value.

PAISSEAU, G. C. Le LC sucré; son emploi chez le nourrisson sain et le nourrisson malade. 151p. 19cm. Par., 1936.

De Smedt, P. Quelques considérations au sujet de l'alim. du nourrisson au LC. Scalpel, Brux., 1933, **86**: 83.—**Gómez del Río, G.** Utilización de la LC hipersucrada como alim. del niño durante los 2 primeros años de la vida. Bol. Soc. cubana pediat., 1933, **5**: 7–24.—**Gómez Pagola, J.** Cómo equilibrar la LC mediante la harina de soya. Asistencia, Méx., 1943, No. 19, 41–66.—**Le Lorier.** De l'emploi du LC sucré comme complément de la ration alim. chez le nouveau-né et le nourrisson allaités au sein. Lait, 1928, **8**: 88–97.—**Ortiz Machado, O.** La LC; sus aplicaciones a la alimentación infantil. Bol. Soc. cubana pediat., 1932, **4**: 397–422.—**Pikler, L.** Laits dilués, LC, laits desséchés; considérations sur le problème de la concentration la plus convenable du lait dans les alim. lactés infantiles. Lait, 1939, **19**: 561–73.—**Polonovski, M., & Gellé, P.** De l'emploi comparé du LC sucré et du lait de vache frais dans l'alim. du nourrisson. Echo méd. nord. 1936, **5**: 805–19.—**Ragazzi, C. A.** Il LC zuccherato nella dietetica e nell'allevamento umano. Med. ital., 1930, **11**: 481–7.—**Schabelitz, F. H.** [CM] bei geistiger Ermüdung. Ars medici, Basel, 1943, **33**: 666–8.—**Schiavone, G. A.** La LC en la sobrealimentación. Día méd., B. Air., 1938, **10**: 135–40.—**Skodáček, G.** Sladené kondenzované mlieko vo výžive kojenca. Pediat. listy, 1948, **3**: 203–6.

—— Condensed milk: Vitamin content.

SCHMID, A. E. *La vitamine C dans les LC et dans les laits en poudre. p.432–42. 23½cm. Lausanne, 1938.
Arch. méd. enf., 1937, **40**:

Bakke, A. Das C-Vitamin in gezuckerter CM. Arch. Kinderh., 1930, **90**: 188–96. ——— & **Aschehoug, V.** La vitamine C dans le LC sucré. Lait, 1929, **9**: 749; 837.—**Génin, G.** Influence de l'irradiation sur la teneur en vitamine A du LC. Ibid., 1937, **17**: 368.

—— Condensed milk—in wartime.

Guigoz, M., & Jaton, A. Les laits conservés dans l'alim. de guerre. Schweiz. med. Wschr., 1942, **72**: 970–2.—**Herrero Besada, M.** La LC como elemento indispensable en la vida de campaña. Congr. internac. med. farm. mil., Madr., 1933, **2**: 211–4.

—— Control and inspection.

MOJONNIER, T., & TROY, H. C. The technical control of DP; a treatise on the testing, analyzing, standardizing and the manufacture of DP. 2. ed. 936p. 23½cm. Chic., 1925.

Clarke, J. O. Determination of filth and extraneous matter in DP. Am. J. Pub. Health, 1947, **37**: 728–32.—**Ferraz Lopes, C., Alves Netto, F., & Di Franco, E.** A inspeção do leite e seus produtos no Estado de São Paulo; organização e desenvolvimento dos serviços. Bol. indúst. animal, S. Paulo, 1943, **6**: No. 4, 149–84.—**Mack, M. J., Clarke, J. O.** [et al.] Food value and sanitary control of some special DP. Am. J. Pub. Health, 1942, **32**: No. 3, Suppl., 100–4.—**Moore, H. K.** Inspection of DP. Vet. Bull., Carlisle, 1939, **33**: 217–30.—**Neveu, R.** Journée familiale et médico-sociale d'informations et d'études concernant les PL et notamment sur le plan Monnet. Ann. hyg., Par., 1947, **25**: 206–12.—**Schulz, M.** Vorschläge zu Richtlinien für die Zulassung neuer MP. Zschr. Untersuch. Lebensmitt., 1939, **77**: Beil., 57–63.

—— Deterioration.

Corbett, W. J., & Tracy, P. H. Experiments on the use of certain antioxidants for control of oxidized flavor in DP. Food Res., 1941, **6**: 445–59.—**Dairy** products déterioration. Q. Techn. Progr. Rep. Quartermaster Gen., 1948, Sept., 367.

—— Dry milk [Abbrev.: DM for desiccated or dry milk; LD for lait desséché and equivalents; LP for lait en poudre, etc.; LS for lait sec, etc.; TM for Trockenmilch]

See also **Milk modification,** Malted milk.

PORCHER, C. [Le lait desséché. 2. éd.] Dry milk. 309p. 8° Milwaukee, 1929.

Babonneix, L. Le lait sec. Gaz. hôp., Par., 1933, **106**: 1506.—**Ballner, F., & von Stockert, K.** Einige Bemerkungen über TM. Zschr. Untersuch. Nahrungsmitt., 1911, **22**: 648–51.—**Bernales Ortozon, L.** [LD] Rev. san. nav., Valparaíso, 1934, **3**: 253–66.—**Birot, E.** Sur la dessiccation du lait. C. rend. Ass. fr. avance. sc., 1906, **35**: 301.—**Duhamel, R.** Le LS. J. méd. chir., Par., 1936, **107**: 290–3.—**Goebel.** Volks- und wehrwirtschaftliche Bedeutung der Milchpulver. Med. Klin., Berl., 1940, **36**: 253 (Abstr.)—**Jensen, O.** Quelques observations sur le LP. Rev. gén. lait, 1904–05, **4**: 538–42. Also Molkereiztg, 1905, 15: 565.—**Kimball, H.** [DM] Private Hosp., N. Y., 1933, **1**: No. 9, 16.—**Lait** (Le) sec. Rev. gén. clin. thér., 1923, **37**: 861.—**Langstein, L.** Zur Frage der TM. Deut. med. Wschr., 1921, **47**: 864.—**Lind, C.** [DM] Ugeskr. laeger, 1920, **82**: 954–6.—**Mantovani, A.** Leche solidificada. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., **7**: 494–504.—**Plauchu.** A propos du LD. Bull. Soc. méd. hôp. Lyon, 1913, **11**: 90–4.—**Popp, M.** Melk- en eierpoeder. Mbl. vervalsch., 1909–10, **26**: 39–42.—**Porcher, C.** Le LD. Provence méd., 1912, **23**: 385–9. ——— La question du LD. Bull. Soc. méd. hôp. Lyon, 1913, **11**: 69–84.—**Raganathan.** [DM] Ind. M. Rec., 1933, **53**: 54–62.—**Ribeiro, S.** O LP na clinica infantil. Pub. méd., S. Paulo, 1933–34, **5**: No. 8, 26–36.—**Round, O. S.** [DM] Recreat. Sc., Lond., 1862, **3**: 92–5.—**Schreiber, G.** Le LS ou LP. Presse méd., 1912, **20**: 778.—**Souvestre.** Sur le LD. Anjou méd., 1913, **20**: 1–4.—**Starokadomsky, L. U.** O sukhom moloke Irven. Protok. zased. obsh. morsk. vrach. Kronstadt, 1904–05, **42**: 47–51.—**Tracy, P. H.** Where we stand on dried MP. Food Mater., N. Y., 1945, **5**: No. 3, 8.—**Ugarte, F.** Leche; leches modificadas y derivados lácteos en polvo; una nueva forma práctica de preparación y dosificación. Día méd., B. Air., 1936, **8**: 803.—**Valledor, T.** Las LS o LP. Bol. Soc. cubana pediat., 1934, **6**: 239–63.—**Vergely, J.** Le LD. J. méd. Bordeaux, 1926, **56**: 735–9.—**Weill, E., & Mouriquand, G.** Note sur le LD. Bull. Soc. méd. hôp. Lyon, 1912, **10**: 495–9.

—— Dry milk: Adulteration, and contamination.

Asai, K. Hunnyū no kenkyū; hunnyū no obutu gan-yū-ryō ni tuite [... amount of dirt contained in milk powder] Zika zassi, 1931, 361–3.—**Ballarin, O.** [LD] e leite fresco. Rev. brasil. med., 1945, **2**: 851–6.—**Milk** powder substitute. Brit. Food J., 1941, **43**: 105.—**Milk** powder substitute; false warranty. Ibid., 1942, **44**: 78.—**Porcher, C.** Les LD et la fraude. Ann. falsif., Par., 1918, **11**: 150–62.

—— Dry milk: Analysis.

Anselmi, S., & Cesari, A. Analisi del LP; determinazione della solubilità. Rendic. Ist. sup. san., Roma, 1944, **7**: 490–507. ———: Analisi del LP; generalità e determinazione del contenuto in acqua. Ibid., 1946, **9**: 347–61. ——— Analisi di campioni di prodotti fabbricati in Italia e schema di analisi sistematica del LP. Ibid., 362–88.—**Asai, K.** Hunnyū no kenkyū; hunnyū sibōkyū no gengai-kenbikyō-teki kōzō ni tuite [... ultra-microscopical structure of fatty particles of DM] Zika zassi, 1931, 363–8, 2 pl. ——— Hunnyū-zyū no sando ni tuite [... Acidity of the milk made from DM] Ibid., 577–82. ——— Hunnyū-zyū no hinetu ni tuite [... specific heat of the milk made with DM] Ibid., 650–2.—**Ballarin, O.** [LD] y leche fresca; estudio comparativo de sus propiedades y características. Día méd., B. Air., 1946, **18**: 1082–6.—**Dawson, E. C.** Determination of small additions of milk powder to flour. Analyst, Lond., 1944, **69**: 296–8.—**Fellenberg, T., & Honegger, P.** Die Wasserbestimmung in Sauermilchpulver. Mitt. Lebensmitteluntersuch., Bern, 1928, **19**: 53–7.—**Howat, G. R., & Wright, C.** Facteurs affectants la solubilité des poudres de lait. Lait, 1935, **15**: 438–43.—**Hunnyū** (kansō-nyū) kensa-hō [Methods of examining DM] Nippon eisei kagakkai si, 1936, **8**: 188–97.—**Ikebe, H.** Titi-hun-eki no hinetu ni tuite [Specific heat of fluid made with DM] Zika zassi, 1931, 1015.—**Jaton, A.** Sur la solubilité du LP. Mitt. Lebensmitteluntersuch., Bern, 1947, **38**: 133–8.—**Lampitt, L. H., & Bushill, J. H.** The physico-chemical constitution of milk powder. Analyst, Lond., 1931, **56**: 778–94.—**Miyakawa, K.** Hunnyū no kesseigaku-teki kenkyū [Serologische Untersuchungen über TM] Jap. Zschr. Mikrob., 1937, **31**: 1117–28.—**Pearce, J. A.** [DM] powder; methods of assessing quality and some effects of heat treatment. Canad. J. Res., 1945, **23**: Sect. F, 177–84.—**Richmond, H. D.** The analysis of DM. Analyst, Lond., 1906, **31**: 219–24.—**Rullmann, W.** Ueber einige besondere Ergebnisse bei Untersuchungen von Trockenpräparaten aus Milch und Hühnereiern. Zschr. Untersuch. Nahrungsmitt., 1917, **34**: 331–4.—**Stamberg, O. E., & Bailey, C. H.** Density of DM solids. Food Res., 1940, **5**: 275–80.—**Villanova, A. C., & Ballarin, O.** A estrutura do LP pesquisada no microscópio eletrônico. Rev. méd. aeronáut., Rio, 1949, **1**: 3–17.

—— Dry milk: Bacteriology.

Cone, J. F., & Ashworth, U. S. Comparison of methods of reconstituting milk powder for the plate count, with an analysis of variance. Food Res., 1949, **14**: 165–76.—**Crossley, E. L., & Johnson, W. A.** Bacteriological aspects of the manufacture of spray DM and whey powders with some observations on moisture content and solubility. Analyst, Lond., 1943, **68**: 91 (Abstr.)—**Grosso, G.** Ricerche sul contenuto in batteri del LD (processo Just-Hatmaker) della "TM-Verwertungs-Ge-

sellschaft." Gior. Accad. med. Torino, 1907, 4. ser., **13**: 551–6. ——— Bakteriologische Untersuchungen von TM. Zschr. Fleisch Milchhyg., 1907, **17**: 312–5.—**Higginbottom, C.** The survival of the microflora of milk powders during storage at different relative humidities. Proc. Soc. Appl. Bact., Lond., 1948, 19. Conf., 18. ——— The micro-flora of DM. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 516–8.—**Ikebe, H.** Titi-hun ni kan-suru kenkyū; titi-hun ni kon-zitaru byōgen-kin no unmei ni tuite [The fate of the pathogenic microorganisms mixed in with DM] Zika zassi, 1930, 115–8.—**Kawamura, I.** Rennyū ni kon-zitaru byōgen-kin no unmei ni tuite [The fate of pathogenic microorganisms mixed in with DM] Ibid., 80–91.—**Muggia, A.** Recherches bactériologiques sur les LP, employés dans la pratique pédiatrique. Boll. Sez. ital. Soc. internaz. microbiol., 1929, **1**: 65.—**Muñoz Turnbull, J.** Bacteriología de las LS, condensadas y evaporadas. Bol. salub., Méx., 1940, **3**: 265–75.—**Prachfeld, F.** Bakteriologische Untersuchungen einiger TM-präparate. Zschr. Fleisch Milchhyg., 1907–08, **18**: 121–5. Also Molkereiztg, 1908, **18**: 3.—**Soriano, A. M. de.** Estudio microbiológico del LP de vaca. Rev. As. argent. dietol., 1944, **2**: 228–30. Also Arch. farm. bioquím. Tucumán, 1945, **2**: 401–9.—**Supplee, G. C., & Bixby, E. M.** The bacteriology of DM, with particular reference to that made by the Just process. Am. J. Dis. Child., 1929, **37**: 1016–26.—**Uemura, T.** Kakusyu tiryō hunnyū no saikingaku-teki kenkyū [Bacteriological studies on various kinds of therapeutic DM] Osaka igakkai zassi, 1933, **32**: 901–6.

—— Dry milk: Changes.

MENEFEE, S. G. *A study of the effect of processing upon some of the chemical and physical properties of dried whole milk [Ph. D.; Univ. Illinois] 6p. 22½cm. Urbana, 1944.

Fouassier, M., & Maurice, G. Le rapport entre l'acidité lactique du lait et sa perte en extrait sec. Bull. Soc. chim. biol., Par., 1926, **8**: 175–7.—**Ikebe, H.** Titi-hun ni kan-suru kenkyū; titi-hun-tyū no kōso ni tuite [Studies on DM; the enzymes in DM] Zika zassi, 1930, 241–4.

—— Dry milk: Chemistry.

Arthus, A. Caséification de divers LS. C. rend. Soc. biol., 1931, **106**: 534–6.—**Asai, K.** Hunnyū no tetu gan-yū-ryō ni tuite [Amount of iron containcd in DM] Zika zassi, 1931, 776–8.—**Boulet, M., & McFarlane, W. D.** A simple method for determining the copper content of milk powder. Canad. J. Res., 1945, **23**: Sect. B, 70–5.—**Escudero, A., Herraiz, M. L., & Musmanno, E.** Estudio de la fijación del calcio, del queso y de la LP. Rev. As. argent. diet., 1946, **4**: 16–22.—**Hardisty, E. B.** The iron content of liquid and reconstituted DM; a comparison. Arch. Pediat , N. Y., 1931, **48**: 108–16.—**Ikebe, H.** Titi-hun no calcium oyobi rin gan-yū-ryō ni tuite [Amount of Ca and P contained in DM] Zika zassi, 1931, 241–60. ——— Titi-hun no tetu gan-yū-ryō ni tuite [The amount of iron contained in DM] Ibid., 647–50.—**Kimura, M.** Sigai-sen syōsya hunnyū ni kan-suru ni-san no tiken. [Observations on DM irradiated with ultraviolet rays] Zikken igaku zassi, 1935, **19**: 227–38.—**Lea, C. H.** Note on the presence of heat-labile S in milk powder made from milk pre-heated at a high temperature (190° to 200° F.) Analyst, Lond., 1946, **71**: 227. ——— A note on the Chapman and McFarlane method for the estimation of reducing groups in milk powder. Ibid., 1947, **72**: 336–40.—**Muers, M. M., & Anderson, E. B.** Determination of the volume of gas contained in the particles of DM powder. Ibid., 1944, **69**: 5–7.—**Pearce, J. A.** [DM] powder; factors affecting the sorption of CO_2. Canad. J. Res., 1945, **23**: Sect.F, 327–33.

—— Dry milk: Composition.

Anselmi, S., & Cesari, A. Analisi del LP; determinazione del contenuto in grasso. Rendic. Ist. sup. san., Roma, 1944, **7**: 508–27.—**Ballarin, O.** Considerações do LP e sua estrutura. Rev. paul. med., 1949, **35**: 413–24.—**Coulter, S. T., & Jenness, R.** Gas-packing dry whole milk. Food Indust., 1946, **18**: 352–5.—**Di Prisco.** Sulla composizione chimica e sul valore nutr. di alcune polveri di latte. Morgagni, 1934, **76**: 1064.—**Droop-Richmond, H.** The estimation of fat in DM. Analyst, Lond., 1908, **33**: 389.—**Gane, R.** The water relations of milk powders. Rep. Food Invest. Bd, Lond. (1939) 1949, 16–9.—**Génin, G.** La constitution physico-chimique de la poudre de LD; les matières grasses de la poudre de LD par pulvérisation. Lait, 1931, **11**: 589–97.—**Haupt, H.** Zur Fettbestimmung in Milchpulvern und Fettkäsen. Zschr. Nahrungsmitt., 1906, **12**: 217–21.—**Ikebe, H.** Titi-hun no kagaku-teki sosei [Chemical composition of DM] Zika zassi, 1930, 522–6.—**McClellan, B. G.** The estimation of fat in DM. Analyst, Lond., 1908, **33**: 353–6.—**Pien, J.** Une nouvelle règle pour le calcul de l'extrait sec des laits. Ann. falsif., Par., 1949, **42**: 43–5.—**Richard, F.** Analyse de la LP; contribution a l'étude du dosage de la matière grasse et de l'humidité. Lait, 1926, **6**: 86–8.—**Schoonjans, A.** Note sur le dosage de la matière grasse dans les poudres de lait. Ibid., 1925, **5**: 782–5.—**Sirianni, G., & De Rienzo, A.** Sulla composizione chimica e sul valore nutr. di alcune polveri di latte. Q. nutriz., Bologna, 1934–35, **1**: 64–86.—**Wahba Salib.** An investigation into the composition of DM on the Egyptian market when made up according to the instructions supplied with these milks. J. Egypt. M. Ass., 1931, **14**: 312–7.

—— Dry milk: Consumption.

Lawrence, C. S. Dry whole milk for the Armed Forces; possibilities and problems. Activit. Rep. U. S. Quartermast. Food & Cont. Inst., 1948, **1**: 114–6.—**Syrovátka, A.** Sušená mléka a možnosti jejich odběru u nás. Prakt. lék., Praha, 1949, **29**: 339.

—— Dry milk: Control and inspection.

Antúnez Zambrano, M. J. [LP] y su control bromatológico. Rev. san., Caracas, 1946, **11**: 451–71.—**Artero, V.** I LP, puri e misti, ed il loro controllo igienico. Boll. chim. farm., 1930, **69**: 937; 981.—**Thompsett, R. E.** The inspection of powdered whole milk. Bull. U. S. Army M. Dep., 1943, No. 69, 85–9.

—— Dry milk: Deterioration and preservation.

Carlinfanti, E. Ricerche sulla conservazione del LP. Igiene & san. pubb., 1946, **2**: 3–10. ——— Ulteriori ricerche sulla conservazione del LP. Ibid., 1947, **3**: 3.—**Chapman, R. A., & McFarlane, W. D.** A colorimetric method for the determination of fat-peroxides and its application in the study of the keeping quality of milk powders. Canad. J. Res., 1943, **21**: Sect. B, 133–9. ——— The effect of wheat germ oil antioxidants and natural reducing substances on the stability of whole milk powder. Ibid., 1946, **24**: Sect. F, 47–60.—**Dahle, C. D., & Josephson, D. V.** Removal of oxidizing factors makes dry whole milk keep. Food Indust., 1943, **15**: No. 11, 76.—**Heiss, R.** Zur Frage der chemisch-physikalischen Veränderungen getrockneter ME bei der Lagerung. Deut. Lebensmitt. Rdsch., 1950, **46**: 4–6.—**Hollender, H. A., & Tracy, P. H.** The relation of the use of certain antioxidants and methods of processing to the keeping quality of powdered whole milk. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 21 (Abstr.)—**Jack, E. L., & Henderson, J. L.** Preventing off-flavors in dried whole milk. Food Indust., 1942, **14**: No. 3, 50–2.—**Keilling, J., Camus, A., & Jabot, P.** Note sur un aspect du vieillissement des PL en poudre. Bull. Soc. sc. hyg. aliment., Par., 1947, **35**: 194–201.—**Mohr, W., Ritterhoff, K.** [et al.] The keeping quality of whole milk powder in relation to composition, preparation and conditions of storage. Bull. Hyg., Lond., 1941, **16**: 592.—**Moster, J. B., & Chapman, R. A.** The browning reaction in DM powder. Canad. J. Res., 1949, **27**: F, 429–34.—**Pearce, J. A., & Bryce, W. A.** [DM] powder; the effect of light on keeping quality. Ibid., 1945, **23**: Sect. F, 334–9. ——— [DM] powder; the effect of storage temperature, moisture content, and plant source on the keeping quality of milk powders of different fat levels. Ibid., 1946, **24**: Sect. F, 61–9. ——— [DM] powder; the effect of season of production on keeping quality. Ibid., 1947, **25**: F, 13–7.—**Pearce, J. A., Whittaker, J.** [et al.] The keeping quality of dehydrated mixtures of egg and milk. Ibid., 1946, **24**: Sect. F, 70–6.—**Williamson, M. B.** Retardation of fat autoxidation in DM. Food Res., 1944, **9**: 298–303.

—— Dry milk: Hygiene.

Obach, M. Las LP; algunos comentarios críticos de las mismas y de sus medios publicitarios. Rev. españ. pediat., 1948, **4**: 666–79, tab.—**Prickett, P. S.** Seven ways to beat bacteria in a DM plant. Food Indust., 1943, **15**: No. 8, 73.—**Schreiber, G.** Pour éviter les ravages du mauvais lait; la création d'une manufacture nationale de LS. Méd. inf., Par., 1927, **33**: 13–5.—**Shrader, J. H., Ewing, C. L.** [et al.] Sanitary quality of some commercial milk powders. Am. J. Hyg., 1928, **8**: 386–97.—**Tobey, J. A.** Powdered milk and the public health. N. England J. M., 1929, **200**: 237–9.

—— Dry milk: Laws and regulations.

Dried milk and the Local Government Board. Brit. M. J., 1918, **2**: 289.—**Reglamento** sobre la LP; cuáles son los reglamentos vigentes en Estados Unidos sobre la producción de LP. Bol. Of. san. panamer., 1942, **21**: 818.

—— Dry milk: Metabolism and nutritive value.

IKEBE, H., & NAGATOMI, T. Titi-hun-eki no yōzyaku dōbutu syōkakan tūka no roentgen-kensa [Roentgenological examination of the passage of DM fluid through the alimentary canal of the young animal] 76p. 24cm. Tokyo, 1931.

In: Zika zassi, 1931, 659; 1393.

Anderegg, L. T., & Nelson, V. E. Nutr. value of powdered milk together with observatlons for a new vitamln for reproduction. Proc. Iowa Acad. Sc., 1925, **32**: 321.—**Antúnez Zambrano, M.** [LP] y su control bromatológlco. Indust. farm. venezol., 1946, **2**: No. 5, 14–32.—**Asai, K.** Kaku-syu hunnyū no tanpaku syōka ni kan-suru tiken. [Reports on digestion of protein ln varlous kinds of DM] Zika zassi, 1931, 66–71. ——— **Nagatomi, T., & Ikebe, H.** Kakusyu hunnyū no slken syōkakan tūka zikan nl tuite. [The time requlred for various kinds of DM to pass through the dlgestlve tracts of young dogs] Ibid., 1226–32.—**Bacharach, A. L.** Effect of added iron on the haematopoietic properties of DM. Lancet, Lond., 1930, **2**: 957.—**Barański, R.** Zalety mleka sproszkowanego w odżywianlu niemowlęcia. Pediat. polska, 1949, **23**: 253–6.—**Bauzá, J. A.** La alim. artlf. por la LD en el primer semestre. Arch. pedlat. Uruguay, 1950, **21**: 54.—**Cornalba, G.** La LP

nell'allatamento. Boll. chim. farm., 1933, 72: 368.—**Demole, V.** Praktische Skorbutkost Nr. 111 aus Haferflocken und TM. Zschr. Vitaminforsch., Bern, 1934, 3: 89–91.—**Dried** milk for adults in institutions. Med. Off., Lond., 1941, 66: 39.—**Dried** separated milk for school canteens, etc. Ibid., 68.—**Filina, O. A.** [Experimental and clinical observations on gastric secretion in DM feeding] Pediatria, Moskva, 1943, No. 5, 25–30.—**Guinon, L., Ribadeau-Dumas, L., & Vincent, E.** De l'utilisation de la poudre de lait dans les centres d'élevage. Lait, 1925, 5: 585–94.—**Hutchinson, R. C.** The nutr. value of powdered whole milk. Med. J. Australia, 1939, 2: 392–400.—**Ikebe, H.** Titi-hun ni okeru syōka siken [Tests on the digestion of DM] Zika zassi, 1930, 2065–72.—**Kōda, S., & Kitagawa, H.** Vitamin B-ketubō syokuzi (hunnyū) wo motte-seru nyūzi oyobi dōbutu no zikken hōkoku [Reports of experiments on nursing infants and animals with a vitamin B-deficient diet, DM] Ibid., 1934, 1715–7.—**Kurosu, K.** Syuzyu no hunnyū wo motte siyō-seru Ratte no hatuiku zyōtai narabi-ni kanzō-nai Glykogen oyobi sibō no hatugen ni kan-suru zikken-teki kenkyū [Experimentelle Untersuchungen über das Wachstum der mit verschiedenen Milchpulvern gefütterten Ratten und das Vorkommen des Glykogens und Fettes in der Leber] Sei i kai Zassi, 1940, 59: 101–23.—**Květoň, M.** Sušené mléko s hlediska jakostních požadavků. Výzkum. prům. výživ., 1949, 30; passim.—**Lait (Le)** en poudre dans l'alimentation des nourrissons. Scalpel, Brux., 1930, 83: 110–2.—**Levine, D. J.** Experimentelle Untersuchungen über die Fähigkeit verschiedener Kohlenhydrate das Fett bei Ernährung mit fettfreier TM Alipogal zu ersetzen. Zschr. Vitaminforsch., Bern, 1935, 4: 92–105.—**Miyawaki, A.** Digestibilidad de la proteina en la LP fabricada según diversos métodos. Rev. hig. san. pecuar., Madr., 1931, 21: 684.—**Nevens, W. B., & Shaw, D. D.** The apparent digestibility of fresh whole milk and of powdered whole milk. J. Nutrit., 1933, 6: 139–50.—**Noorden, C.** Ausnützungsversuche mit Krausescher TM. Ther. Halbmhefte, 1921, 35: 440–2.—**Oda, S.** Gyūnyū to hunnyū no tisiki [Comparative merits of cow's milk and DM] Gakkō eisei, 1948, 27: No. 4, 13–23.—**Ogly, G. Y.** [Study of dietetic properties of DM; the secretion of gastric juice in various affections] Sovet. med., 1937, No. 7, 15–7.—**Platt, W.** Powdered milk for field service. Mil. Surgeon, 1935, 76: 200–8.—**Plehn.** Die Verwendung der TM. Molkereiztg, 1908, 18: 109.—**Randoin, L., & Lecoq, R.** Action curative du lait de vache entier desséché et du lait concentré sucré sur le rachitisme expérimental du rat. J. pharm. chim., Par., 1929, 8. ser., 10: 496–500, pl.—**Roume.** Sur l'utilisation de la poudre de lait dans l'élevage des prématurés débiles. Lait, 1927, 7: 437–40.—**Seno, Y.** Nyūzi ni okeru sei-hakuhai-tenka hunnyū eiyō no hunben suiso-ion nōdo ni tuite [Hydrogen ion concentration of the feces of infants nourished on DM with the addition of refined millet] Tōkyō ika daigaku zassi, 1948, 6: 1–7.—**Sommerville, D.** Laboratory experiments on the digestibility of DM. Pub. Health, Lond., 1905–06, 18: 40–5.—**Tavares, A.** O LS na alim. dos lactantes saõs. Portugal méd., 1933, 17: 358–61.—**Use** of DM for cooking. N. Hampshire Health News, 1942, 20: No. 2, 17.—**Vail, G. E., & Ames, E.** The use of DM in certain institution recipes. J. Am. Diet. Ass., 1941, 17: 131–5.

—— Dry milk: Pathological effect.

Babione, R. W. Gastro-enteritis outbreak due to powdered milk. U. S. Nav. M. Bull., 1948, 48: 342–5.—**Higuti, I.** Syokuzi-sei denpun-yō hensei ni kan-suru tiken hoi; hunnyū siyō ni yoru hatuka-nezumi no denpun-yō hensei ni tuite [Supplementary reports on amyloid degeneration due to diet; amyloid degeneration in the mouse fed with DM] Osaka igakkai zassi, 1930, 29: 505–22.—**Kasahara, M.** Hunnyū eiyō syōgai (rinsyō kōgi) [Clinical talk on nutritional difficulties through the use of DM] Zikken ihō, 1943–44, 30: 65–7.—**Wieland, E.** Ueber Polyavitaminose beim Säugling nach Ernährung mit fettfreier TM nebst Bemerkungen über die klinische Diagnose der sogenannten Prä-Avitaminose und über den ungleichen Vitamin-C-Gehalt verschiedener TM-präparate. Schweiz. med. Wschr., 1936, 66: 826–32.—**Yosinare, T.** Titihun no vitamin C gan-yū-ryō ni tuite [Vitamin C content of DM] Zika zassi, 1935, 1435–8. ——— Titihun eiyō ni yoru zikken-teki Barlow-si-byō. [Experimental Barlow's disease due to DM] Ibid., 1768–74, incl. pl. ——— Titihun eiyō ni yoru zikken-teki Barlow-si-byō no seikagaku-teki kenkyū. [Biochemical studies on experimental Barlow's disease due to DM] Ibid., 1936, 40–52. ——— Titi-hun eiyō ni yoru zikken-teki Barlow-si-byō marmot no zōki phosphatase ni tuite [Visceral phosphatase in the marmot suffering from Barlow's disease due to DM] Ibid., 248–59.

—— Dry milk: Skimmed milk.

See with subheading (Skimmed milk)

—— Dry milk: Types.

Brezina, E., & Lazar, E. Ueber die Ausnützung der Just-Hatmakerschen TM. Wien. klin. Wschr., 1906, 19: 1139.—**Exchaquet, L.** Observations sur l'emploi d'un LS acidifié, le Pélargon orange. Rev. méd. Suisse rom., 1942, 62: 545–60.—**Friderichsen, C., & Nielsen, E.** Eledon; kaernemaelk i pulverform. Ugeskr. laeger, 1944, 106: 648–50.—**Hirokawa, K.** Hunnyū daiyō-hin Yumogen no eiyōgaku-teki kenkyū [Nutritional studies on yumogen, a substitute for DM] J. Med. Coll. Keizyō (Seoul), 1943, 13: 305–15.—**Kurosu, K.** Naigai sihan hunnyū ni yoru zinkō eiyō dōbutu no hatuiku narabi-ni zōkinai syuyō bussitu no seisei kankei yori kakuzi no hinsitu wo ronzi awasete sono kisyaku-hyō ni oyobu [Discussion on the quality of various DM of foreign and domestic production with observations on the physical development and the formation of essential substances in the organs of the animals fed with these artificial nutritive substances and charts for use in diluting them] Zika zassi, 1931, 1686–8.—**Leite** sêco nacional. Impr. méd., Lisb., 1935, 1: Suppl., 9.—**Levent, R.** Les LS acidifiés. Gaz. hôp., 1943, 116: 119.—**Linke.** Saliter TM. Ther. Neuheit., 1909, 4: 307–11.—**Miyawaki, T.** Sironezumi no tatzyū zōka wo kizyun tosuru hunnyū no hikaku siken ni tuite [Comparative studies of various DM with the increase in body weight of albino rats as the standard] Zika zassi, 1931, 1682–6.—**Report** of the composition and dietetic value of ambrosia. J. State M., Lond., 1922, 30: 540–6.—**Suriyong, R.** La farine lactée Nestlé. Praxis, Bern, 1943, 32: 712–4.—**Use** of modified DM Glaxo. [Abstr.] Northumberland & Durham M. J., 1909, 17: 141–52.—**Weiss, J.** Ueber den Wert der TM Gallack am Krankenbette. Med. techn. J., Wien, 1906–07, 2: 225–8.

—— Dry milk: Vitamin content.

Jung, F. Ueber den Vitamin C-Gehalt von TM. Klin. Wschr., 1940, 19: 153–5.—**Kitagawa, H.** Sihan no hunnyū oyobi rennyū no vitamin B gan-yū-ryō ni tuite [Ueber den Vitamin B Gehalt in der TM sowie kondensierten Milchkonserve im Handel] Zika zassi, 1935, 779–87.—**Renner, L.** Vitamin-C-Gehalt von Milchpulvern. Zschr. Kinderh., 1934–35, 57: 414–8.—**Supplee, G. C., & Dow, O. D.** Variations in the antiscorbutic properties of DM. Am. J. Dis. Child., 1926, 31: 41–50. ——— & **Nelson, J. W.** Richesse en vitamines du lait liquide et du LS. Lait, 1927, 7: 12–26.—**Tyō, Z.** Der Gehalt der verschiedenen ME, besonders der TM (Milchpulver) an Ascorbinsäure. Mitt. Med. Akad. Kioto, 1939, 26: 1033–42.—**Woessner, W. W., Elvehjem, C. A., & Schuette, H.** The determination of ascorbic acid in evaporated milk, powdered milk and powdered MP-s. J. Nutrit., 1940, 20: 327–38.

—— Evaporated milk.

See with subheading (Condensed milk)

—— Hygiene.

Brauner, H. Die Bedeutung der MP in der Medizin. Wien. med. Wschr., 1947, 97: 180.—**Congrès** (2e) d'alimentation, Liége, octobre 1911. Mouvement hyg., Brux., 1912, 28: 126–32.—**Harvey, W. C.** Milk products. Med. Press & Circ., Lond., 1937, 195: 493–9.—**Meyn, A.** Die Molkerei im Dienst der Volksernährung und Volksgesundheit. Deut. tierärztl. Wschr., 1937, 45: 805; 837.

—— Industrial use.

Génin, G. Les produits industriels préparés en partant des sous-produits du lait. Lait, 1940, 20: 117–21, tab. ——— La fabrication du caoutchouc synthétique en partant des dérivés laitiers. Ibid., 1946, 26: 351–9. ——— Le lait, matière première de l'industrie chimique. Nature, Par., 1949, 122; 141.—**Industrial** utilization of DP. J. Am. M. Ass., 1939, 113: 2153.

—— Laws and regulations.

HOLTHÖFER, H. Gesetzgebung über ME. p.488–579. 25½cm. Berl., 1936.

In: Handl. Lebensmittelchem. (A. Böhmer) Bd 3.

Court decision on public health [New York] state sanitary code amendment defining MP held invalid as applied to certain product. Pub. Health Rep., Wash., 1943, 58: 1700.—**Lesné, E.** Sur la vente exclusive du lait frais écrémé à 30 p. 1,000; la suppression des laits concentrés entiers et du lait sec entier acidifié; la réduction de la fabrication des laits concentrés et secs. Bull. Acad. méd., Par., 1941, 125: 371.—**Munin, F.** Wie kann man auf die Butter- und Käsequalität ungünstige Fütterungseinflüsse ausschalten? Milchwirtsch. Ztg, 1942, 50: 611.—**Toubeau, M.** La nouvelle loi sur les PL. Lait, 1934, 14: 1068–70.

—— Nutritive value.

Benoit, R. L'alim. du nourrisson par les dérivés du lait. Ann. méd. chir. Hôp. S. Justine Montréal, 1942, 4: No. 1, 7–14.—**Breed, R. S.** Incrcased use of safe DP betters human nutrition. Certif. Milk, 1942, 17: No. 198, 3.—**Chinn, A., & Gustafson, G. M.** The economy of combinations of DP in low-cost adequate diets. J. Am. Diet. Ass., 1941, 17: 123–30.—**Hiscock, I. V.** Report of Committee on Food Value of Milk and MP. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, 21: 281–306.—**Jaffa, M. E.** The value of educational work on the food values of DP. West. Dietitian, 1926, 1: No. 2, 13; 40.—**Mann, H. C. C.** The importance of dairy produce in the diet during the school age. J. R. Inst. Pub. Health, 1939, 2: 486–514.—**Martin, E. A., Boisvert, O.** [et al.] Food values of DP as affected by methods of handling in production, distribution, and use. Am. J Pub. Health, 1947, 37: 1113–20.—**Ortega A., R.** La leche de vaca y sus derivados en la alim. del lactante. Rev. chilena pediat., 1937, 5: 617–26.—**Reed, O. E.** Dairy research and human nutrition. Certif.

Milk, 1944, **19**: No. 213, 5; passim.—**Visco, S.** Valore nutr. dei derivati del latte. Q. nutriz., Bologna, 1934–35, **1**: 453–91.

—— Pathological effect.

Blumenthal, N. L., & Treśćevsky, N. P. [Early serodiagnosis of the cause of alimentary toxic infection in milk products (curd. milk, cottage cheese and ice-cream) J. mikrob., Moskva, 1940, No. 12, 50–7.—**Infected** butter and cheese. Brit. M. J., 1943, **2**: 318.—**Sensitivity** to milk and cheese; butter and oleomargarine. J. Am. M. Ass., 1943, **122**: 410.

—— reliquefied.

Keeney, D. G., Baur, L. S., & Garret, O. F. Effect of terminal disinfection and other factors on the stability of ascorbic acid in reliquefied MP used in infant feeding. J. Pediat., S. Louis, 1949, **34**: 745–52.

—— Skimmed milk [Abbrev.: LE for lait écrémé, etc.; MM for Magermilch; SM for skimmed milk]

Gründler, A. *Beitrag zur Kenntnis der Aufrahmung der Milch. 29p. 8° Zür., 1923.

Donath, W. F. [On skimmed, sweetened milk] Geneesk. tschr. Ned. Indië, 1938, **78**: 1258–67.—**Leblond, G., & Leblond, C. P.** Correction de certaines déficiences du lait. Rev. canad. biol., 1942, **1**: 366–71.—**Mandrès, A. H.** Le lait demi-écrémé à Bordeaux. Lait, 1933, **13**: 123–34.—**Renault, J.** Sur un voeu de la Société de médecine du Mans concernant la vente du LE. Bull. Acad. méd., Par., 1926, 3. ser., **96**: 43–7.—**Saint-Cyr, J.** Laits-pauvres; LE, répression de l'écrémage; modifications à y apporter. Bull. Acad. vét. France, 1937, **10**: 267–72.—**Scheidegger, H.** Durch Milch- oder Zitronensäure gesäuerte MM als Ersatz für Buttermilch. Ann. paediat., Basel, 1941, **157**: 101–28.—**Sisido** [Skim milk] Tyūgai izi sinpō, 1907, **28**: 865–78.

—— Skimmed milk: Analysis.

Lezé, R., Boutines & Duflos. Etude du procédé R. Lezé pour l'analyse du LE. Rev. gén. lait, 1908–09, **6**: 193–7.—**Lotmar, W., & Nitschmann, H.** Streulichtmessungen an MM. Helvet. chim. acta, 1941, **24**: 242–7.—**Schiele, J.** Ueber das Verhalten der Milchwerte bei den verschiedenen Arten des Fettentzuges. Deut. tierärztl. Wschr., 1925, **33**: 654–6.

—— Skimmed milk: Chemistry and composition.

Formenti, C. Systematische Untersuchungen über die Zunahme der fettfreien Trockensubstanz in der Milch bei Entrahmung. Zschr. Untersuch. Nahrungsmitt., 1910, **11**: 616–25.—**Isio, M., & Gomi, T.** Tōryō wo zōka-sitaru dassirennyū no sonzai-ryoku ni tuite [The effect of an increase in the amount of sugar added to canned SM as a preservative] Nippon eisei kagakkai si, 1938, **10**: 217–28.—**Lezé, R.** Dosage de la matière grasse dans le LE. C. rend. Acad. sc., 1907, **145**: 817. Also Rev. gén. lait, 1906–07, **6**: 397–9.—**Mašek, J.** Contribution à la connaissance de la composition chimique de la boue d'écrémeuse. Lait, 1935, **15**: 242–7.—**Pien, J., & Maurice, G.** Le dosage de la matière grasse dans les LE. Ibid., 1932, **12**: 269; 389.—**Platon, J. B.** Der A-Vitamingehalt der MM. Biochem. Zschr., 1927, **185**: 238–41.—**Scheer, K.** Kann MM durch Bestrahlung antirachitisch werden? Münch. med. Wschr., 1940, **87**: 1219 (Abstr.)—**Vitamin** A–D SM; statement adopted by Food and Nutrition Board. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1949, **9**: 15.

—— Skimmed milk, condensed.

Bordas, F. Les laits condensés écrémés. Ann. falsif., Par., 1920, **13**: 499.—**Carrick, M. M.** The condensed SM menace. South. M. J., 1915, **8**: 629.—**Sobbe, v.** Zur Kenntnis des Milchlins. Zschr. Untersuch. Nahrungsmitt., Berl., 1910, **20**: 511–4.

—— Skimmed milk, dry.

Curtis, L. R., & Hileman, J. L. A comparison of media and incubation temperatures for making bacteria counts of spray-process dry SM. Food Res., 1937, **2**: 73–80.—**Henry, K. M., & Kon, S. K.** Changes on storage in the biological value of the proteins of dried SM. Biochem. J., Lond., 1945, **39**: p. xxvi. ——— [et al.] Deterioration on storage of dried SM. Nature, Lond., 1946, **158**: 348.—**Hodson, A. Z., & Krueger, G. M.** Changes in the essential amino acid content of the proteins of dry SM on prolonged storage. Arch. Biochem., N. Y., 1947, **12**: 51–5.—**Holm, G. E.** Dried SM added to other foods improves their nutr. value. Yearb. U. S. Dep. Agr., 1935, 171–4.—**Hunt, E. P.** Dry SM in low cost diets. Child Develop., 1939, **10**: 241–68.—**Lindsey, J. B., & Archibald, J. G.** SM powders in the rearing of young calves. Bull. Massachusetts Agr. Exp. Sta., 1926, No. 230, 147–50.—**Mazé, P., & Anxionnaz, R.** Action de l'hypochlorite de sodium sur les qualités nutritives du LE en poudre préparé en hiver par évaporation à 100°–103° sur des cylindres chauffés à la vapeur. C. rend. Soc. biol., 1933, **112**: 245–7.—**Mohri, R. W.** SM powder. Vet. Bull., Carlisle, 1939, **33**: 237–48.—**Pien, J.** Caractères distinctifs des poudres de LE, poudres solubles, poudres Hatmaker. Lait, 1938, **18**: 347–53.—**Porcher, C.** Influence du taux de la matière grasse sur celui de l'extrait sec dégraissé dans le lait. Ann. falsif., Par., 1915, **8**: 385–97; Disc., 354.—**Roberts, L. J., Carlson, L., & MacNair, V.** The supplementary value of dry SM in institution diets. J. Am. Diet. Ass., 1934, **10**: 317–24.—**Sorensen, C. M.** Detecting thermophilic contamination in SM-powder. Food Res., 1938, **3**: 421–7.—**Van Norman, H. E.** Dry milks. Rep. Internat. Dairy Congr. (1928) 1929, 8. Congr., 87–93.—**Wolff, L. K.** [Addition of SM-powder to ordinary bread] Versl. volksgezondh., 1934, **4**: 388.

—— Skimmed milk: Hygiene.

Absatz von entrahmter Frischmilch. Reichsgesundhbl., 1937, **12**: 665.—**Pohl, G., & Aschmoneit, E.** Ueber das Vorkommen von Krankheitserregern in erhitzter MM. Berl. tierärztl. Wschr., 1940, 135–8.

—— Skimmed milk: Laws and regulations.

Kennzeichnung von Behältnissen, Flaschen und Kannen mit entrahmter Frischmilch. Vorschr. Sächs. Vet., 1940, **35**: 131.—**Standards** for dried SM. In: Treat. Law of Food (Toulmin, H. A., jr) Cincin., 1942, 1120.

—— Skimmed milk: Manufacture.

Leighton, A., & Leviton, A. The effect of the diluting action of cane sugar upon the viscosity of the colloidal suspension SM. J. Phys. Chem., 1932, **36**: 523–8.—**Lyons, J., & Fonlay, W.** Influences of heating and agitating milk before separation on the fat loss in the SM. Econom. Proc. R. Dublin Soc., 1932, **2**: 423–43.—**Nichols, J. B., Bailey, E. D.** [et al.] L'effet du chauffage préliminaire sur la dispersion du caséinate et de Ca dans le LE. Lait, 1932, **12**: 748–54.

—— Skimmed milk: Nutritive effect.

Abbott, J. S. The food value and economics of SM. Am. J. Pub. Health, 1940, **30**: 237–9.—**Baumgärtel, T.** Zur Verwertung der MM in der Lebensmittelindustrie. Deut. Aerzte Ztg, 1933, **8**: No. 384.—**Bolt, L.** Nutritional value of SM. Health Bull., Bakersfield, 1948, Jan. [3]—**Bordot, E., Wollman, S., & D'Ovidio, R.** La leche descremada en la alimentación de los lactantes. Arch. lat. amer. pediat., B. Air., 1917, **11**: 45–52.—**Bünger, H.** Fragen der Verfütterung der Molkereirückstande, insbesondere der dicksaueren MM. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 151 (Abstr.)—**F., G.** Quelques notions utiles sur la valeur alim. du LE. Concours méd., 1940, **62**: 1319.—**Gilbert, A., & Chassevant, A.** Valeur alim. et diététique du LE. Hyg. gén. appl., Par., 1906, **1**: 705–14.—**Hofmann, H.** Pig rearing experiments with acidified SM. Nutrit. Abstr., Aberdeen, 1941–42, **11**: 676 (Abstr.)—**Hutchinson, R. C.** The high nutr. value of SM. Med. J. Australia, 1945, **1**: 457–9.—**Isaachsen, H.** La valeur du LE pendant la période de croissance des animaux. Lait, 1935, **15**: 812–7.—**Klein.** Schweinefütterungsversuch mit verschiedenen Mengen MM unter Anwendung gleichstarker Rationen. Molkereiztg, 1908, **18**: 410.—**Krishnan, B. G., & Mitra, K.** SM and the growth of school children. Ind. J. M. Res., 1937–38, **25**: 647–9.—**Lévy, L.** La valeur nutritive des LE et mouillés. Ann. falsif., Par., 1913, **6**: 450.—**Martel, H.** Sur la valeur alim. du LE et du babeurre. Bull. Acad. méd., Par., 1940, **123**: 967–83.—**Mazé, P., Mazé, P. J., & Anxionnaz, R.** Variation des qualités nutr. du LE avec le degré d'accoutumance des animaux à l'assimilation du lait. C. rend. Soc. biol., 1934, **117**: 751.—**Mitra, K.** A statistical note on the experiments with SM. Ind. J. M. Res., 1937–38, **25**: 650–4.—**Muñoz Turnbull, J.** Leches descremadas en pediatría. Mem. Congr. mex. pediat., 1938, 1. Congr., 133–42.—**Need** for a program to effect wider use of SM solids for human food. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1945–46, **5**: 185–8.—**Pirocchi, A.** Expériences sur l'utilisation du LE l'alim. des veaux. Rev. gén. lait, 1905–06, **5**: 49–58.—**Ramsdell, G. A., & Webb, B. H.** Utilization of SM and whey in precooked dried soup. Food Res., 1941, **6**: 265–71.—**Schäfer, H.** Zur Frage der Futterwirkung von roher MM und MM aus erhitzter Vollmilch bei wachsenden Schweinen. Mschr. Kinderh., 1943, **93**: 133–47.—**Terroine, E. F.** L'emploi du mélange de LE et de bouillies amylacées dans l'alim. du jeune bétail. Bull. Soc. sc. hyg. aliment., Par., 1930, **18**: 173–87.—**Van Norman, H. E.** Dry SM; a valuable addition to the food list. Food Facts, Los Ang., 1927–28, **4**: 20–3.—**Webb, B. H.** Utilization of SM in a new potato product. Food Indust., 1940, **12**: No. 5, 48.

—— Skimmed milk: Poisoning.

Arthus, A. Intox. par le lait écrémé. Ann. physiol., Par., 1937, **13**: 955–61.—**Green, W. W., Kernkamp, H. C. H.** [et al.] A toxemic-uremic syndrome in baby pigs fed on dried SM. Am. J. Vet. Res., 1949, **10**: 256–64.—**Kon, S. K., Bird, M. J.** [et al.] Failure to demonstrate wrist stiffness in guinea pigs receiving SM diets. Arch. Biochem., N. Y., 1946, **11**: 371–3.

—— Skimmed milk: Therapeutic use.

Spindler, L. A., & Zimmerman, H. E., jr. Effect of SM on infections of ascarids, whipworms, and nodular worms in swine. J. Parasit., Lanc., 1944, **30**: Suppl., 16. ——— Effect of SM on the growth and acquisition of parasites by pigs under condi-

tions of constant exposure to infection. Proc. Helminth. Soc. Washington, 1944, **11**: 49–54.

—— Vitamin content.

Highman, S. E. The vitamin A content of some South African DP. S. Afr. J. M. Sc., 1943, **8**: 28–34.—**Jukes, T. H., & Richardson, G. A.** Assays of riboflavin and the filtrate factor in certain MP. J. Agr. Res., 1938, **57**: 603–10.—**Reaves, P. M.** The effect of the vitamin content of the feed on the vitamin content of DP. Proc. Virginia Acad. Sc., 1947–48, **26**: 68.—**Sullivan, R. A., Beaty, A.** [et al.] Determining riboflavin in the dried MP; a comparison of the methods of assay. Arch. Biochem., N. Y., 1943, **2**: 333–43.—**Tomoi, T., & Tomita, S.** Nyū-seihin-tyū no sō-Vitamin C-ryō narabi-ni Ascorbin-san no sanka ni tuite [The total Vitamin C content of MP and oxidation of ascorbic acid] Nippon seikagakkai kaihō, 1937, **12**: 83.

MILK production.

Abbrev.: MP for milk production and equivalents; PL for production laitière and equivalents; PM for production of milk.

See also **Milk marketing; Milk plant; Milk processing; Milk supply.**

Inchausti, D., Tagle, E., & Helman, M. B. Investigaciones sobre PL. 59p. 26½cm. B. Air., 1942.

Jean-Blain, M. Généralités sur la PL. Rev. path. comp., Par., 1949, **49**: 477–87.—**Martel, H.** Le vêlage et la PL et du beurre en hiver. Hyg. viande, 1911, **5**: 561–80.—**Milk-production; the other voice.** Lancet, Lond., 1946, **1**: 323.—**Neff, R. E.** MP and its importance to the hospital. Tr. Am. Hosp. Ass., 1936, **38**: 342–50.—**Oijen, C. T. v., & Vos, F.** Melkwinning. Tschr. sociale geneesk., 1924, **2**: 57.—**Rotch, T. M.** Milk; its production, its care, its use. Boston M. & S. J., 1900, **3**: 233.—**Smith, J. H.** A charter for MP. Vet. Rec., Lond., 1946, **58**: 368.—**Taylor, J.** The PM. Month. Bull. Indiana Div. Pub. Health, 1937, **40**: 66.—**Wille, R.** Die MP als Wirtschafts- und Kulturproblem. Tierärztl. Umsch., 1947, **2**: 105–7.

—— Control.

Vieilly, J. *Rôle du vétérinaire dans la PL. 63p. 25cm. Lyon, 1934.

Arloing, S. Nécessité de l'inspection des vacheries et du contrôle de la PL. Bull. Soc. sc. vét. Lyon, 1908, **11**: 332–42.—**Belloni, A. J.** Tierärztliche Produzenten-Milchkontrolle. Münch. tierärztl. Wschr., 1930, **81**: 169–71.—**Chodkowski, A.** Higieniczna PM i jego przetworów pod kontrolą lekarzy wet. Med. wet., Warsz., 1948, **4**: 38–40.—**Control** of conditions of MP. Vet. Rec., Lond., 1944, **56**: 179.—**Control** of MP and sales. Brit. Food J., 1943, **45**: 42; passim. **Gallo, P.** La PL en sus aspectos biológicos y económicos. Mem. Congr. venezol. leche, 1939, 1. Congr., 330–8.—**García Maldonado, A.** El control inicial de la leche. Unidad san., Caracas, 1943, **2**: 102.—**Gorini, C.** Die Ernährung des Milchviehs und die hygienische PM; Erfordernis einer bakteriologischen Kontrolle der Futtermittel. Zbl. Bakt., 2. abt., 1914, **42**: 582–7.—**Hardenbergh, J. G.** Technical supervision in the production of highest quality of milk. Am. J. Pub. Health, 1930, **20**: 705–14.—**Laukvik, E.** Hvilke krav bør og må kunne stilles til fjøsrum med veterinaer kontroll av MP? Förhandl. Nord. vet. (1933) 1934, 4. meet., 1009–12.—**Mason, F. W.** Supervision of MP. J. R. San. Inst., 1949, **69**: 569–81.—**Morot, C.** Le contrôle sanitaire de la PL destiné à l'alim. humaine. C. rend. Ass. fr. avance. sc. (1906) 1907, **35**: pt 2, 1377–81.—**Stenström, O.** Om produktionskontroll av tuberkelfri mjölk. Förhandl. Nord. vet., 1921, 2. meet., 479–91.—**Toubeau, M.** Le contrôle officiel de la PL. Lait, 1928, **8**: 196–204.—**Vranken, F.** Le contrôle de la PL en Flandre occidentale, Belgique. Ibid., 1927, **7**: 544–7.—**Wauters, J.** Projet d'organisation d'un service intercommunal pour la surveillance de la production et du commerce lait. Echo vét., Liége, 1912–13, **41**: 79–87.

—— Hygiene.

See also **Milk quality.**

Adams, H. S. Essentials of sanitary milk production. p.24–77. 24cm. N. Y., 1947.

In his Milk & Food Sanit.

Figueiroa Rego, A. De. A produção e a higiene do leite alimentar. p.243–302. 23cm. Pôrto, 1947.

Conf. Liga port. profil. social, 1947, **6**: p. 243–302. Also Clin. hig. & hidr., Lisb., 1939, **5**: 162–86.

Craig, R. S., & Lescure, J. M. A program of revised methods of sanitary MP. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 202–13.—**Gorini, C.** La produzione igienica del latte. Atti Conv. lombard. igiene rurale (1933) 1934, 1. Conv., 245. —— Sur le mouvement pour la production hygiénique du lait dans différents pays. Lait, 1934, **14**: 431–42.—**Gould, G. N.** Disease control and MP. Vet J., Lond., 1945, **101**: 232–6.—**Groud, C.** Sur la PL hygiénique. Rev. path. comp., Par., 1925, **25**: 887–91.—**Heimberg, V. G.** Higieničeskie uslovija izgotovlenija detskikh moločnykh smesej. Hig. & san., Moskva, 1948, **13**: No. 4, 16–20.—**Löhnis.** Welche Mehrarbeit und Mehrkosten entstehen durch die gesteigerten Anforderungen der Milch? Molkereiztg, 1908, **18**: 217; 229; 241; 253.—**Maynard, L. A.** The soil basis of better MP. Certif. Milk, 1941, **16**: No. 181, 5.—**Monsarrat.** Meilleures conditions de PL destiné à l'alim. des enfants. Bull. Soc. path. comp., Par., 1905, **4**: No. 11, 4–11.—**Rudorff, F.** Conditions hygiéniques pour l'obtention d'un bon lait. Ann. hyg., Par., 1908, 4. ser., **9**: 267–72.—S. Le point de vue sanitaire dans la PL. Schweiz. Apoth. Ztg, 1941, **79**: 689.—**Savage, W.** MP and human disease. Vet. J., Lond., 1945, **101**: 236–42.—**Tapernoux, A.** La production d'un lait propre et sain à la ferme. Lait, 1937, **17**: 241–59.—**Thomas, S. B., Hobson, P. M.** [et al.] A survey of methods of MP in relation to the incidence of thermoduric organisms in farm milk supplies. Proc. Soc. Appl. Bact., Lond., 1948, 19. Conf., 7–12.

—— Quality aspect.

See also **Milk quality.**

Athanassof, N. Os problemas da PL bom e limpo. Rev. aliment., Rio, 1945, **9**: No. 10, 8–15.—**Braccini, P.** Sui riflessi sanitari del latte di vacche alimentate con silaggio; ricerche istologiche sul fegato di vitelli da latte. Igiene mod., 1942, **35**: 187–92, pl.—**Hardenbergh, J. G.** Newer developments in quality MP. J. M. Soc. N. Jersey, 1941, **38**: 20–3.

—— by countries.

Gorini, C. Sobre el movimiento para la producción higiénica de la leche en los diferentes países (transl.) Rev. hig. san. pecuar., Madr., 1931, **21**: 583–7. Also Lait, 1934, **14**: 1116–25.—**Leplae, E.** La PL dans les pays chauds. Lait, 1935, **15**: 1037–45.

—— by countries: Africa.

Cacciaguerra, J. *La PL dans le département d'Alger. 55p. 25½cm. Lyon, 1939.

Moussaud, A. *De la PL en Algérie. 69p. 23½cm. Toulouse, 1934.

Wahby, A. M. MP and the nation's health. J. Egypt. M. Ass., 1939, **22**: 474–96.

—— by countries: America.

Gallo, P. La PL en sus aspectos biológicos y económicos. Bol. Min. san., Caracas, 1939, **4**: No. 3, 90–7.—**Organización** social de la producción y de la distribución de la leche. Rev. hig., Bogotá, 1933, **14**: 309–14.—**Producción** de leche. Estadíst. chilena, 1944, **17**: 473.—**Soares Filho, F., & França Bittencourt, S.** Leite produzido e beneficiado em nova granja leiteira. Bol. indúst. animal, S. Paulo, 1946, **8**: No. 3, 45–53.

—— by countries: America—United States.

Wood, C. W. Milk; its production, consumption, sale, transportation, legislation. 30p. 8°. Worcester, 1908.

Jean-Blain, M. La production hygiénique du lait dans l'Etat de New York. Rev. méd. vét., 1947, **10**: 441–52.—**Ross, W. H.** Supervision of the PM in Suffolk County and regulations of the Board of Health. News Lett. Suffolk Co. M. Soc., 1940, **17**: 141–5.—**Walker, H.** Regulating the production, handling, and distribution of milk. Pub. Health Rep., Wash., 1928, **43**: 2095–108.

—— by countries: Asia.

Kandasami Raju, P. A brief survey of MP and distribution in Hosur cattle farm. Ind. Vet. J., 1945–46, **22**: 27–31.—**Kothavala, Z. R.** PL en las Indias. Rev. hig. san. pecuar., Madr., 1931 **21**: 725.

—— by countries: Europe.

Le Moal, L. *Production et utilisation du lait en Cornouailles, secteur de Callac-de-Bretagne. 47p. 25cm. Lyon, 1937.

Paulin, G. *La PL du Département de l'Isère [Vét.] 116p. 25cm. Lyon, 1935.

Turrel, M. *La PL dans les Basses-Alpes. 53p. 25cm. Lyon, 1939.

Bressou, C., & Houdinière, A. La politique du lait pendant la guerre en Grande-Bretagne; production. Ann. nutrit., Par., 1947, **1**: 605–20.—**Frederiksen, L.** La cría del ganado y la PL en Dinamarca. Rev. hig. san. pecuar., Madr., 1931, **21**: 643–5.—**Funkquist, H.** Medidas adoptadas en Suecia para el progreso de la cría de los bovinos y de la PL (transl.) Ibid., 564–71.—**Keiser, F.** La nueva ley lechera alemana y su relación con la PL. Ibid., 716.—**Letard, E.** Etat actuel du cheptel et de la PL en France. Lait, 1945, **25**: 286–8.—**Magi, J.** Medidas tomadas en Estonia para la mejora de la cría del ganado y

de la PL. Rev. hlg. san. pecuar., Madr., 1931, 21: 652.—**Maintaining** the milk supply; production demonstrations in Cheshire. Vet. Rec., Lond., 1942, 54: 196.—**Oyen, C. F. v.** Observation sur la PL modèle selon la méthode du Dr. Stenhouse Williams aux Pays-Bas (transl.) Lait, 1929, 9: 189–92.—**Robin.** L'alim. des villes en lait; opportunité de statistiques régionales; le déficit de la production; nécessité d'associer à son contrôle hygiénique, une action destinée à l'intensifier. Ibid., 1927, 7: 231–6.—**Roéland, C.** La production et le contrôle obligatoire du lait en Italie. Rev. path. comp., Par., 1936, 36: 541; passim.—**Sacco, P.** La PL da consumarsi crudo nella Provincia di Milano. Gior. Soc. ital. iglene, 1932, 54: 132–50.—**Vilhjalmsson, H.** La cría del ganado y la PL en Islandia. Rev. hig. san. pecuar., Madr., 1931, 21: 657–9.

—— in wartime.

Kay, H. D. MP in war-time. Nature, Lond., 1941, 148: 242–5.—**Kluter. H.** How to increase MP to meet wartime demands. Certif. Milk, 1944, 19: No. 214, 9.—**Milk** production in war-time. Med. Off., Lond., 1941, 66: 12.

MILK protein.

See also **Milk casein** [Abbrev.: AL for albuminoïde du lait; MP for milk protein and equivalents; ME for Milcheiweiss; PL for protide du lait]

Orlovsky, M. S. F. *O belke moloćnykh śarikov korovjago moloka, ob organizovannykh belkakh vymeni i ikh otnośenii drug k drugu. 110p. 8°. S. Peterb., 1913.

Hiromura, Y. On the accelerating action of the protein component of egg white and cow's milk on the clotting time of blood. Proc. Jap. Physiol. Soc., 1942, 21: 101.—**McMeekin, T. L., & Polis, B. D.** Milk proteins. Advance. Protein Chem., N. Y., 1949, 5: 201–28.—**Olson, G. A.** Milk proteins. J. Biol. Chem., 1908, 5: 261–81.—**Renaud, M.** PL (Les) et leur utilisation. Rev. crit. path., Par., 1930, 1: 447–55.—**Rotch, F. M.** The treatment of the proteids of cow's milk. J. Boston Soc. M. Sc., 1900, 5: 93–5.—**Tadokoro, T.** Nyūzyū no tanpaku ni tuite [The MP-s] Zika zassl, 1932, 2300–2.

—— Biological value.

Albanese, A. A., Holt, L. E., jr [et al.] Studies on the protein metabolism of the infant; the comparative biological value of some MP preparations. Bull. Johns Hopkins Hosp., 1947, 80: 149–57.—**Bickel, A.** Zur ernährungsphysiologischen Bedeutung des ME. Deut. med. Wschr., 1936, 62: 1164–7.—**Bolling, D., Block, R. J., & Chow, B. F.** The chemical and biological properties of tryptic digests of casein and lactalbumin. Arch. Biochem., N. Y., 1947, 13: 323–7.—**Cox, W. M.,** jr. Casein and lactalbumin in human nutrition. Interne, 1948, 14: 255–8. ——— **Mueller, A. J.** [et al.] Comparative nutr. value of casein and of lactalbumin for man. Am. J. Dis. Child., 1949, 77: 108.—**Hamamoto, E.** Untersuchungen über die aktive Sulfhydryl-Disulfid-Gruppe im ME-körper und ihre Bedeutung für die Ernährung des Säuglings. Mschr. Kinderh., 1942, 91: 37–52.—**Hoske, H.** Das ME in der Volksernährung. Deut. med. Wschr., 1936, 62: 1157–61.—**Lintzel, W., & Bertram, W.** Die biologische Wertigkeit des ME beim Erwachsenen. Biochem. Zschr., 1938, 297: 315–23.—**Mitra, K., & Mittra, H. C.** Investigations into the biological value of MP. Ind. J. M. Res., 1942, 30: 423; 575.—**Morris, S., & Wright, N.** Les valeurs biologiques des protéines de certains concentrés pour la production laitière. Lait, 1934, 14: 883–8.—**Mueller, A. J., & Cox, W. M.,** jr. Comparative nutr. value of casein and lactalbumin for man. J. Nutrit., 1947, 34: 285–94. Also Science, 1947, 105: 580.—**Southworth, T. S.** Some conclusions from our knowledge of the MP. Tr. Am. Pediat. Soc., 1907–08, 9: 71–8.—**Value** of MP in infant feeding. Certif. Milk, 1937, 12: No. 138, 5; 18.—**Whitnah, C. H.** Nutr. value of MP. Food Res., 1943, 8: 89–94.

—— Chemistry.

Simpson, J. A. Coeficiente proteico de la leche [estudio químico de las substancias proteicas] instalación de un laboratorio de leche humanizada. 88p. 8°. Habana, 1925.

Abderhalden, E., & Hunter, A. Vorläufige Mitteilung über den Gehalt der Eiweisskörper der Milch an Glykokoll. Zschr. physiol. Chem., 1906, 47: 404–6.—**Burg, R. van der, & Habers, L.** La valeur du dosage volumétrique au métanal de la matière AL. Lait, 1937, 17: 805–9.—**Corran, H. S., & Green, D. E.** The isolation of a flavo-protein from cow's milk. Biochem. J., Lond., 1938, 32: 2231–41.—**Dills, W. L., & Nelson, J. M.** Isolation of a copper bearing protein from cow's milk. J. Am. Chem. Soc., 1942, 64: 1616–8.—**Escudero, P., & Waisman, G.** Estudio comparativo de los nitrógenos proteico y nó proteico de las leches humana y de vaca. Bol. Soc. quím. Perú, 1946, 12: 152–8.—**Gorini, C.** Los ácidos proteolíticos en lechería (transl.) Rev. hig. san. pecuar., Madr., 1931, 21: 614–6.—**Leontiev, I. F.** [Copper and cow's MP] Priroda, 1943, 32: No. 6, 44.—**Leviton, A., & Haller, H. S.** A spectroturbidimetric study of the proteins of milk. J. Phys. Colloid Chem., 1947, 51: 460–73.—**Lindet & Ammann, L.** Contribution à l'étude des matières albuminoïdes solubles du lait. C. rend. Acad. sc., 1906, 142: 1282–5. Also Rev. gén. lait, 1905–06, 5: 361–71.—**Nicolet, B. H., & Shinn, L. A.** Does hydroxyglutamic acid occur in MP? Proc. Am. Soc. Biol. Chem., 1941, 35. Meet., 98.—**Titus, R. W., Sommer, H. H., & Hart, E. B.** The nature of the protein surrounding the fat globules in milk. J. Biol. Chem., 1928, 76: 237–50.

—— Effect of various agents.

See also **Milk fermentation; Milk modification.**

Wright, N. C. Factors affecting the solubility of milk powders: the effect of heat on the solubility of MP. p.122–41. 25½cm. Cambr., 1932.

J. Dairy Res., 1932, 4:

Franco, E. Ricerche sui polipeptidi del latte in varie condizioni di esperimento. Riv. pat. sper., 1937, 18: 151–6.—**Langstein.** Das Verhalten der ME-körper bei der enzymatischen Spaltung. Münch. med. Wschr., 1906, 53: 1981.—**Miller, P. G.** The heat stability of MP. Summaries Doct. Diss. Univ. Wisconsin, 1938, 3: 30.—**Pedersen, K. O.** Ultracentrifugal and electrophoretic studies on the MP; introduction and preliminary results with fractions from skim milk. Biochem. J., Lond, 1936, 30: 948–960.—**Zentner, J., & Langstein, L.** Das Verhalten der ME-körper bei der enzymatischen Spaltung. Verh. Ges. deut. Naturforsch. (1906) 1907, 23: 111–4.

—— Formation.

Pacchioni, D. Della origine delle sostanze PL. In: Comba Festschr., Fir., 1929, 302–7.—**Schweigart, H. A.** Ernährungswirtschaftliche Betrachtung zur ME-erzeugung. Deut. med. Wschr., 1936, 62: 1167–9.

—— Immunology, and serology.

See also **Milk serology.**

Oliveira Lima, A. Fracções PL; seu comportamento chimico e immunologico. Brasil med., 1941, 55: 229–34.—**Sasaki, S.** Ueber die serologische Differenzierung der Milch- und Serum-Eiweisskörper. Arb. Med. Univ. Okayama, 1928–30, 1: 550–81.

—— Lactalbumin [Abbrev.: LA for lactalbumin]

Peyrot, M. *Contribution à l'étude des diverses AL [Pharm.] 93p. 24½cm. Toulouse, 1935.

Abderhalden, E., & Pribram, H. Die Monoaminosäuren des Albumins aus Kuhmilch. Zschr. physiol. Chem., 1907, 51: 409–14.—**Davis, R. M., Rizzo, P., & Smith, A. H.** Effect of heat on the nutr. value of LA. J. Michigan M. Soc., 1948, 47: 1380. ——— Effect of heat on the nutr. value of LA; chemical and morphologic changes. Arch. Path., Chic., 1949, 47: 464–74. ——— Growth on diets containing heated proteins. J. Nutrit., 1949, 37: 115–26.—**Polis, B. D., Shmukler, H. W., & Custer, J. H.** Isolation of a crystalline albumin from milk whey identical with serum albumin. Abstr. Papers Am. Chem. Soc., 1950, 117. meet., 37C.—**Soenke, M. L., Horning, M. G., & Watson, E. H.** Maintaining nitrogen balance with a partially hydrolyzed protein; three adults maintained by the oral administration of partially hydrolyzed LA. Am. Practitioner, 1946–47, 1: 489–92.—**Walker, W. O., & Cadenhead, A. F. G.** Note on the precipitation of LA in cow's milk. J. Indust. Engin. Chem., 1914, 6: 573.

—— Lactoglobulin [Abbrev.: LG for lactoglobulin]

Bain, J. A., & Deutsch, H. F. Studies on LG-s. Arch. Biochem., N. Y., 1948, 16: 221–9.—**Brand, E.** Nutritional equivalance of β-LG and its corresponding amino acids. Abstr. Papers Am. Chem. Soc., 1948, 114. meet., 38C. ——— **Saidel, L. J.** [et al.] The empirical formula of β-LG. J. Am. Chem. Soc., 1945, 67: 1524–32.—**Briggs, D. R., & Hull, R.** Studies on protein denaturation; electrophoretic study of kinetics at neutrality of heat denaturation of β-LG. Ibid., 2007–14.—**Bull, H. B.** Monolayers of β-LG; film molecular weight. Ibid., 1946, 68: 745–7. ——— Mixed monolayers of β-LG and lauryl sulfate. Ibid., 747. ——— **& Currie, B. T.** Osmotic pressure of β-LG solutions. Ibid., 742–5.—**Cecil, R., & Ogston, A. G.** The sedimentation constant, diffusion constant and molecular weight of LG. Biochem. J., Lond., 1949, 44: 33–5.—**Choh Hao Li.** Electrophoretic inhomogeneity of crystalline beta-LG. J. Am. Chem. Soc., 1946, 68: 2746.—**Christensen, L. K.** Trypsin splitting and denaturation of β-LG, Nature, Lond., 1949, 163: 1003.—**Gutfreund, H.** Molecular weight of Palmer's β-LG. Ibid., 1945, 155: 237.—**Halwer, M., & Brice, B. A.** Molecular weight of β-LG as determined by light-scattering measurements. J. Colloid Sc., 1949, 4: 439.—**Jacobsen, C. F.** A comparison of different β-LG samples. C. rend. Laborat. Carlsberg, sér. chim., 1947–49, 26: 455–75. ——— **& Christensen, L. K.** Influence of temperature on the urea denaturation of β-LG. Nature, Lond., 1948, 161: 30.—**McMeekin, T. L., Polis, B. D.** [et al.] A crystalline compound of β-LG with

dodecyl sulfate. Fed. Proc., Balt., 1948, 7: 172. ——— Heterogeneity of crystalline beta-LG. J. Am. Chem. Soc., 1948, 70: 881.—**Senti, F. R., & Warner, R. C.** X-ray molecular weight of β-LG. Ibid., 3318–20.—**Smith, E. L.** Isolation and properties of immune LG from bovine whey. J. Biol. Chem., 1946, 165: 665–76.

—— Pathological effect.

Hoffman, W. S., Parmelee, A. H., & Grossman, A. Mechanism of production of acidosis in premature infants by protein milk. Am. J. Dis. Child., 1948, 75: 637–59.

—— Serum protein.

See also **Milk serum.**

Deutsch, H. F. A study of whey proteins from the milk of various animals. J. Biol. Chem., 1947, 169: 437–48.—**McMeekin, T. L., DellaMonica, E., & Custer, J. H.** Separation and properties of bovine whey proteins. Fed. Proc., Balt., 1947, 6: 277.

—— Therapeutic use.

See also **Milk injection; Milk therapy.**

Bommer, S. Das ME in der Krankenkost. Deut. med. Wschr., 1936, 62: 1161–3.—**Gerhard, G.** Aktiviertes ME als Therapeutikum und Tonikum in der Dermatologie. Wien. med. Wschr., 1944, 94: 95.—**Weychert, H.** Gastritis- und Ulcusbehandlung mit ME. Med. Welt, 1941, 15: 872.

—— Variation.

Masoero, P. Sulla variazione del contenuto in sostanze proteiche nel latte vaccino secreto durante i calori. Boll. Soc. ital. biol. sper., 1942, 17: 689. ——— Sulle correlazioni tra fattori climatici e contenuto in sostanze proteiche nel latte vaccino. Ibid., 1943, 18: 71.

MILK purification.

See also **Milk sanitation; Milk sterilization.**

Dvužilny, A. J., & Zakharov, N. N. [Alfa-Laval's apparatus for purification of milk] Hig. epidem., Moskva, 1931, 10: 30–7.—**Funke's** Faltenmilchsieb. Zschr. Fleisch Milchhyg., 1906, 16: 294.—**Giroux, G.** L'épuration du lait dans l'industrie laitière; nécessité de la filtration ou de l'épuratiou centrifuge. Lait, 1937, 17: 354–67.

—— Filtration.

Borrino, A. Ricerche sull'ultrafiltrazione del latte. Biochim. ter. sper., 1912–13, 4: 425–40.—**Franklin, U. D.** Filtering milk on the farm. J. M. Ass. Alabama, 1943–44, 13: 122.—**Génin, G.** Doit-on centrifuger ou filtrer le lait? Lait, 1932, 12: 839–47.—**Masek, J.** Etude microbiologique sur la filtration du lait. Ibid., 1935, 15: 954–60.—**Schroeder, M. C.** A practical modification of the Winslow dirt filter. Am. J. Pub. Health, 1912, 2: 360–3.—**Stassano, H., & Rollet, A. P.** Des avantages de la filtration sur le nettoyage mécanique du lait au moyen d'essoreuses centrifuges. Lait, 1929, 9: 831–7.

—— Methods.

Bertrand, G., & Lemoigne, M. Epuration microbienne sélective du lait par de petites doses de trichloronitrométhane. C. rend. Acad. sc., 1945, 220: 721–3.—**Bischoff.** Ueber einen Versuch, durch die Anwendung des Dr. Volkmar'schen Verfahrens die Ausscheidung von Bang-Bakterien mit der Milch der Kühe zu beseitigen. Deut. tierärztl. Wschr., 1934, 42: 533–5.—**Diffloth, P.** Des modes mécaniques de purification du lait; filtration; centrifugation. Presse méd., 1904, 2: 763.—**Groud, C.** Sur les procédés d'épuration du lait. Rev. path. comp., Par., 1931, 31: 1175–7.—**Hammer, B. W.** Process of clarification of milk. Pub. Health Michigan, 1917, 5: 160–3.—**Zietschmann.** Ueber die Gewinnung keimarmer Milch auf Rittergut Ohorn. Deut. tierärztl. Wschr., 1906, 14: 513–7.

MILK quality.

Abbrev.: M for milk and equivalents; L for lait and its Latin equivalents; Q for quality and equivalents.

See also **Milk (certified) Milk composition; Milk grading.**

Kōno, G. Saikin no gyūnyū oyobi nyū-zaihin ni tuite [Cow's M and M preparations in recent years] Rinsyo naika syonika, 1949, 4: 138–43.—**Krumbiegel, E. R.** QM. Milwaukee M. Times, 1941, 14: No. 8, 14–6.—**Kuck, E. R.** The cow produces M perfect beyond ability of humans to improve it. Certif. Milk, 1941, 16: No. 187, 5.—**Leland, H. A.** Production of QM. Commonhealth, Bost., 1938, 25: 283–8.—**Medical** notes in Parliament; QM. Brit. M. J., 1940, 2: 617.—**Oijen, C. F. v.** Modelmelk. Tschr. diergeneesk., 1941, 68: 303–11.—**Quality** M. Week. Bull. California Dep. Pub. Health, 1936, 15: 62.—**Roland.** De la nature de certains L. Poitou méd., 1908, 23: 169–72.—**Thieulin, G.** Le bon L indispensable au consommateur, profitable au producteur. Lait, 1937, 17: 785–9. ——— Le L anonyme et le L de qualité. Bull. Acad. méd., Par., 1942, 126: 208–10.—**Tiller, S.** Vitality in M. Med. Chir. J., Phila., 1905, 6: No. 12, 39–43.—**Vos, F.** Modelmelk. Tschr. sociale geneesk., 1924, 2: 43.

—— Control.

See also **Milk inspection.**

Bergsma, D. Quality control of M and cream supplies. Pub. Health News, Trenton, 1949, 30: 241.—**Bouchard, G.** Supervision of the Q of M. Bull. hyg., Montréal, 1946, 32: No. 4, 21–6.—**Hopson, G. H.** QM and its control. J. Am. Vet. M. Ass., 1939, 94: 378–82. ——— The importance of the veterinarian in QM control. North Am. Vet., 1943, 24: 83–7.—**Koesteler, G.** Mesures pour l'amélioration du L au siège de production, contrôle des arrivages et contrôle permanent, dans les exploitations du L et des produits laitiers. Lait, 1938, 18: 867–84.

—— Freshness of milk.

Cingovatov, V. A. [Estimation of fresh M] Tr. Sibirsk. vet. inst., 1927, No. 9, 49–87.—**Heine.** Ein neues Verfahren zur Frischerhaltung der M. Zschr. Fleisch & Milchhyg., 1934–35, 45: 381.—**Herz, F. J.** Die Ausstellung frischer M und ihre Beurteilung. Molkereiztg, 1906, 16: 557.—**Inichoff, G.** Die Bestimmung der Frische der M. Zschr. Untersuch. Lebensmitt., 1927, 53: 435–49.—**Madison, R. M.** Quality of fresh M. Army Vet. Bull., 1942, 36: 237–41.—**Miyao, N.** Gyūnyū sinsen-do no siken-hō [Examination of the degree of freshness of M] Sanitation, Tokyo, 1948, 1: 50.—**Pijanowski, E.** Au sujet de l'épreuve de la fraicheur et de la force présurigène du L. Lait, 1936, 16: 1–13.—**Poulsen, V.** [Standard fresh M] Ugeskr. laeger, 1919, 81: 233–8.—**Roeder, G.** Ueber die Prüfung des Frischezustandes der M bei der Anlieferung an die Molkerei. Zschr. Lebensmitteluntersuch., 1948, 88: 306–16.—**Sarthou, J.** Comparaison des résultats donnés par le dosage de l'acidité et la catalasimétrie dans le contrôle de la fraîcheur des L. J. pharm. chim., Par., 1910, 7. ser., 2: 387–90.—**Schönberg, F.** Nitrazingelb auch ein brauchbarer Indikator für die Frischegradbestimmung der M. Zschr. Fleisch Milchhyg., 1942–43, 53: 31.

—— Tests.

See also **Milk examination; Milk testing.**

ZSCHIEGNER, H. *Ueber die Untersuchung der M mit dem Qualitätsschnellprüfer von Dr Meurer. 43p. 21cm. Lpz., 1937.

Ballner, F. [The simplest method to determine the Q of M] Voj. zdrav. listy, 1925, 1: 153.—**Bortree, A. L.** MQ tests. M. S. C. Vet., East Lansing, 1947–48, 8: 109–12.—**Borzone, R. A.** La congelación rápida de L cruda por el método de Reyles, constituye un fijador de la bondad de la L. Rev. méd. Rosario, 1934, 24: 705–8. Also Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., 7: 882–6.—**Carson, C. C.** Testing for MQ. Connecticut Health Bull., 1937, 51: 9–11.—**Ehrlich.** Welche Untersuchungsmethoden haben sich bei der Kontrolle von Vorzugsmilchbeständen im Stalle und im Laboratorium bewährt? Deut. tierärztl. Wschr., 1930, 38: 661–6.—**Johns, C. K.** Dye reduction tests for controlling MQ. Rep. Internat. Congr. Microb. (1939) 1940, 717–20. ——— Tests for MQ. Canad. Pub. Health J., 1941, 32: 169–73.—**Kumaran, J. D. S.** Tests for detecting poor QM and grading. Ind. Vet. J., 1940, 17: 1–10, tab.—**Lazarus, N. E.** A practical method for determining the Q of M and by-products. Annual Rep. Pennsylvania Ass. Dairy and Milk Insp., 1933, 9: 136–42.—**Mathieu, G.** Méthode simple pour l'évaluation exacte de la richesse des L. Lait, 1926, 6: 153–5.—**Oijen, C. F. v.** Kwaliteitsbepaling van M. Tschr. diergeneesk., 1941, 68: 68–83.—**Stapenséa, J.** Welke der meest gebruikelijke proeven verdienen bij het onderzoek naer de kwaliteit der melk de voorkeur. Tschr. veeartsenijk., 1912, 39: 231–60.

—— Variation.

See also **Milk composition,** Variation.

Bérard, H. L., Rosell, J. M., Turgeon, J. L'influence de l'alim. des vaches laitières sur la production de L de bonne qualité industrielle. Lait, 1936, 16: 1068–83.—**Burkhardt, R. C.** Some present day problems affecting MQ. J. M. Ass. Alabama, 1946–47, 16: 397–9.—**C., C. H.** Nation's M supply; aims for improving Q. Health Bull., Edinb., 1942–43, 2: 79.—**Csiszar, J.** Traitement et transformation du L, amélioration de la qualité; le L défectueux considéré du point de vue pratique et scientifique. Lait, 1938, 18: 625–36.—**Hopson, G. H.** The newer science in producing high QM. Cornell Vet., 1943, 33: 161–70.—**Laberge, J. E.** The Q of M: what can be done to improve it. Montreal M. J., 1907, 36: 120–5.—**Moulton, L. H.** Scientific feeding improves cows' M. Certif. Milk, 1933, 8: No. 83, 4; No. 84, 5.—**Rosam, H. C. V.** How to obtain the highest QM at the minimum cost. Agr. Papers Internat. Management Congr., 1938, 7. Congr., 69.—**Schwarz.** Amélioration de la Q du L et des produits laitiers; méthodes modernes de recherches. Lait, 1939, 19: 302–13.—**Yamada, T.** Nyūsitu kaizen ni ōyō-suru saiten-hyō ni arawareta ten-sū no kyakkan-sei ni tuite [Objectification of the numbers appearing in the score table upon their application for the improvement of the Q of M] Igaku & seibutugaku, 1947, 11: 195–7. ——— **Matui, T., & Moriwaki, T.** Hutatabi nyū-situ no

kaizen ni tuite. [Again regarding the improvement of the Q of M] Kōsei kagaku, 1942, 3: 592.

—— by countries.

See with **Milk composition**—by countries.

MILK ration.

See also **Milk distribution.**

Certificates for extra milk. Brit. M. J., 1941, 1: Suppl., 77.—**Day, D., & Forbes, S. A.** Milk distribution. Ibid., 1942, 2: Suppl., 77.—**Edmunds, H. T.** Supplementary milk certificates. Ibid., 1941, 2: Suppl., 104.—**Extra** milk for invalids. Lancet, Lond., 1941, 2: 289.—**Layton, T. B.** Certificates for extra milk. Ibid., 774.—**Medical** certificates under the milk restriction order. Brit. M. J., 1941, 2: Suppl., 41.—**Milk** for mothers and children. Med. Off., Lond., 1940, 64: 65.—**Milk** for the elderly [question in Parliament] Lancet, Lond., 1941, 2: 682.—**Milk** rationing. J. Am. M. Ass., 1942, 118: 660.—**Nouvelle** (Une) carte est instituée pour la vente du lait entier et du lait condensé, 1 septembre 1940. J. méd. Paris, 1940, 60: 292.—**Registration** for milk. Brit. M. J., 1941, 2: 252.

MILK (raw)

Abbrev.: LC for lait cru, latte crudo and other equivalents; RM for raw milk, Rohmilch, etc.

See also **Milk (certified)**

Basenau. Ongekookte melk. Ned. tschr. geneesk., 1908, 2. R., 44: 1. afd., 1459.—**Diethoff, ten.** Ongekookte melk. Ibid., 1455–9.—**Frank, L. C.** What every person should know about milk. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 65–75.—**Grassi, L.** Il latte da potersi consumare crudo negli Stati Uniti d'America e nei paesi Europei. Ann. igiene, 1932, 42: 844–62.—**Green, C. A.** Condition of retailed RM in an urban area. Brit. M. J., 1942, 2: 9.—**Méry.** Le LC. Méd. mod., Par., 1906, 17: 357. Also Rev. gén. clin. thér., 1906, 20: 759.—**Rajotte, H.** Etude sur la consommation du LC. Canad. J. Comp. M., 1942, 6: 318–23.—**Roéland, C.** Le LC. Rev. path. comp., Par., 1942, 42: 85–95.

—— Advantages, and disadvantages.

Burés Molina, F. La leche de vaca cruda en la alim. del niño, ventajas e inconvenientes. Bol. Soc. cubana pediat., 1943, 15: 372–88. Also Arq. pediat., Rio, 1945–46, 18: 341–60.—**Cohen, C., & Ruelle, G.** Plaidoyer en faveur du LC. Rev. fr. pédiat., 1932, 8: 312–23.—**Nobécourt, P., & Veslot, J.** Les avantages et les inconvénients du LC de vache dans l'alim. des nourrissons. Rev. méd. sociale, Par., 1933, 1: 81–91.—**Viego Delgado, R.** Ventajas e inconvenientes de la leche de vaca cruda en la alim. infantil. Rev. Col. méd. Cienfuegos, 1947, 2: 459–75.

—— Analysis.

Bigwood, E. J., & Thomas, J. De la consommation d'oxygène par le LC frais. C. rend. Soc. biol., 1935, 118: 1639–42.—**Myers, R. P., & Pence, J. A.** A simplified procedure for the laboratory examination of RM supplies. J. Milk Techn., 1941, 4: 18–25.—**Weichlein.** Das Berliner RM-verfahren. Deut. tierärztl. Wschr., 1935, 43: 657.

—— Bacteriology.

Berg, W. v. d. Onderzoekingen over kiemgetalbepalingen van rauwe mengmelk. Tschr. diergeneesk., 1948, 73: 686–9.—**Brüning, H.** Aetherische Oele und Bakterienwirkung in roher Kuhmilch. Zbl. inn. Med., 1906, 27: 337–46.—**Cripps, L. D., & Purvis, J. E.** The relative resistances to infection of raw, pasteurised, and boiled milk. J. R. San. Inst., 1915–16, 36: 391–3.—**Curran, H. R.** The origin of the growth-restraining substance in RM and the action of this substance upon an organism of the sweet curdling type. J. Bact., Balt., 1931, 21: 38.—**De Filippis, V.** Le variazioni stagionali della carica batterica del LC. Gior. batt. immun., 1934, 13: 701–10.—**Higginbottom, C.** The examination of RM by the methylene blue and resazurin tests and by the plate count. Bull. Hyg., Lond., 1942, 17: 421 (Abstr.)—**Jenkins, H.** A comparison of microscopic and 32°–T–G–M agar plate counts on RM. J. Milk Techn., 1941, 4: 314–7.—**Machi, S.** Zur Bakteriologie der rohen Kuhmilch. Acta paediat. jap., 1938, 44: 33 (Abstr.)—**Morin, J. E.** Le LC vu par le bactériologiste. Laval méd., 1943, 8: 453–60. Also Union méd. Canada, 1943, 72: 536–40.—**Storck, W.** Beitrag zur Kenntnis der Alkalibildner in RM. Zbl. Bakt., 2. Abt., 1936, 94: 295–330.—**Yamada, T.** Sei-nyū ni okeru hyōzyun saikin-sū ni tuite [Standard bacterial count in RM] Igaku & seibutugaku, 1948, 13: 373–5.

—— Control.

Cerrutti, C. F., & Boffa. Le contrôle hygiénique du lait destiné à être consommé cru. Rev. hyg., Par., 1937, 59: 248–87.—**County** and state must cooperate to control sale of RM. J. Oklahoma M. Ass., 1941, 34: 406.—**Daily** odor tests proposed for RM control at receiving plants. Health News, Albany, 1937, 14: 17.—**Ellinger, C.** Controlling contamination of RM. Canad. Pub. Health J., 1938, 29: 277–82.—**Fugazza, E.** Le misure di vigilanza igienica sul LC nel comune di Milano. Igiene mod., 1934, 27: 519–26.—**Public** health detective work. Illinois Health Mess., 1942, 14: 66.

—— Grade A milk.

Pullinger, E. J. A method of grading RM, with special reference to the grading of milk for South Africa. J. S. Afr. Vet. M. Ass., 1946, 17: 15; passim.—**Tropa, E., & Gonçalves Garcia, M. L.** LC especial. J. méd., Pôrto, 1943–44, 4: 541.—**Williams, W. L.** Staphylococcus aureus contamination of a grade A RM supply. J. Milk Techn., 1941, 4: 311–3.

—— Hygienic aspect.

Kansas City, Kansas. Department of Health. Special report on RM menace in Kansas City. 159p. 28cm. Kansas City, 1941.

Foods; constitutionality of municipal ordinance prohibiting sale of guaranteed RM (California) J. Am. M. Ass., 1942, 120: 1059.—**Frank, E. H., & Frank, L. C.** A raw deal from RM. Health Off., Wash., 1936–37, 1: 285–98.—**Gloyne, L. B.** Is a physician justified in recommending raw cow's milk? J. Kansas M. Soc., 1930, 31: 8–14.—**Harris, H. J.** The RM menace. Hygeia, Chic., 1941, 19: 208–10.—**Johnson, A. M.** Dangers arising from the use of RM. Health Bur., Rochester, 1938, April, 2–4.—**Lear, S. A., & Minkin, J. L.** Milk: food or poison? Florida Health Notes, 1946, 38: 120–31.—**McCarthy, J.** The RM danger. Brit. M. J., 1943, 1: 767.—**Sommerfeld, P.** Rohmilch. Zschr. Medbeamte, 1927, 40: 752–5.—**Strauss, N.** [RM] Tr. Am. Antituberc. League, 1907, 55–8.—**Westman, R. T.** A special report on the RM menace in Kansas City, Kansas. Spec. Rep. Raw Milk (Dep. Health) Kansas City, Kan., 1941, 1–11.

—— Nutritive value.

See also **Milk (pasteurized)** Nutritive value: Comparative.

Desjeux, E. *De l'alim. par le LC chez l'enfant à l'état de santé et à l'état de maladie. 154p. 8° Tours, 1904.

Givan, T. B. Unrivaled position of pure RM as a nutritional food for children. Proc. Am. Ass. M. Milk Com. (1924) 1925, 18. Conf., 172–7.—**Haverschmidt.** Ervaringen omtrent de voeding met ongekookte melk. Ned. tschr. geneesk., 1908, 2. R., 44: 1. Afd., 1452–55.—**Kameniczky, A.** Zur Frage des RM-genusses. Deut. Aerzte Ztg, 1933, 8: No. 399.—**Kubo, M.** Nama-gyūnyū eiyō ni kan-suru kenkyū [Studies on feeding with raw cow's milk] Acta paediat. jap., 1949, 53: 154–8.—**Sprawson, E.** Preliminary investigation of the influence of RM on teeth and lymphoid tissue. Proc. R. Soc. M., Lond., 1932, 25: 649–64.—**Weiss, S.** Zur Frage der RM-ernährung. Bl. klin. Hydrother., 1908, 18: 73–8.—**Wolff, S.** Morsels of casein after the ingestion of raw cow's milk. Ann. paediat., Basel, 1939–40, 154: 54–6.

—— Sanitation.

Anselmi, S. Conservazione e depurazione del latte vaccino crudo per aggiunta di piccole quantità di acqua ossigenata ad alte concentrazione. Rendic. Ist. sup. san., Roma, 1946, 9: 389–438.—**Chapin, H. D.** The necessity of a pure RM. J. Am. M. Ass., 1917, 69: 886.—**Plate.** Die Bekämpfung der Abortus-Bang-Infektions, der Tuberkulose und des gelben Galtes im Plane der Massnahmen der RM-versorgung; die RM-versorgung der Stadt Bremen. Zschr. Infektkr. Haustiere, 1937, 51: 287–302.—**Schlossmann, A.** Ueber keimfreie RM. Arch. Kinderh., 1913, 60:–61: 676–88.

—— Testing.

Antunes Tropa, E., & Marques Esteves, E. Sôbre a apreciação de LC pelos processos de Breed-Brew e de Skar. Tr. Laborat. centr. pat. vet., Lisb., 1938, 4: 121–31, 2 pl.—**Ciani, G.** Ulteriori ricerche sulla prova della riduttasi secondo Wilson nel controllo igienico del LC. Azione vet., 1939, 8: 409–16.—**Moretti, I.** La prova della reduttasi e la acidimetria per la valutazione dello stato di conservazione del LC. Riv. ital. igiene, 1942, 2: 774–9.—**Nixon, M. C., & Lamb, A. B.** Resazurin triple reading test for grading the quality of RM. Canad. J. Comp. M., 1945, 9: 18–23.

MILK refrigeration.

See **Milk cooling.**

MILKS, Howard Jay, 1879– Practical veterinary pharmacology, materia medica and therapeutics; with a chapter on biological therapeutics by Adolph Eichhorn. 2. ed. xi, 539p. pl. 8° Chic., A. Eger, 1930. Also 3. ed. 581p. 1936. Also 4. ed. 620p. 1940. Also 5. ed. 673p. 1946.

See also Presentation to Cornell University of the alumni portrait by Dr. Howard Jay Milks. Cornell Vet., 1942, 32: 219–21, portr.

MILK sample.

Abbrev.: E for échantillon; EL échantillon du lait; MS for milk sample, or sample of milk.

See also **Milk analysis; Milk bacteriology; Milk examination; Milk testing.**

Barkworth, H. Transit conditions for MS. Med. Off., Lond., 1938, **59**: 269.—**Care** of MS. Bull. U. S. Army M. Dep., 1944, No. 80, 32.—**Chalmers, C. H.** Examination of MS. Health Bull., Edinb., 1948, **6**: 71–3.—**Frouin, A.** Emploi de la saponine pour homogénéiser les EL déstinés à l'analyse. Bull. sc. pharm., Par., 1911, **17**: 697.—**Goerttler.** Ein einfaches Gerät zur Erleichterung der Anmelkprobe und der Probeentnahme bei Massenuntersuchungen von Milchkühen. Berl. tierärztl. Wschr., 1937, **53**: 526.—**Gronover, A., & Türk, F.** Chemische und physikalische Untersuchung von Stallprobenmilchen und die Bewertung der Ergebnisse. Zschr. Untersuch. Nahrungsmitt., 1925, **49**: 187–93.—**Král, J.** Zasílání vzorků mléka k bakteriologickému vyšetření. Zvěr. obzor, 1941, **34**: 261–6.

—— Preservation.

Bryan, C. S. Preservation of MS with brilliant green for streptococcus and abortus examination. Am. J. Pub. Health, 1933, **23**: 1182–5.—**Délieux, H.** Conservation momentanée du lait par le peroxycalcite. C. rend. Ass. fr. avance. sc. (1910) 1911, **39**: T. 4, 201–6.—**Grélot, P.** Sur l'emploi du sublimé comme agent conservateur du lait destiné à l'analyse. J. pharm. chim., Par., 1907, 6. ser., **25**: 423–8.—**Tillmans, J., Splittgerber, A., & Riffart, H.** Ueber die Konservierung von Milchproben zu Untersuchungszwecken. Zschr. Untersuch. Nahrungsmit., 1914, **27**: 893–901.—**Voiret, E. G., & Bonaimé.** Conservation des EL. Ann. falsif., Par., 1939, **32**: 404. Also Lait, 1940, **20**: 411.

—— Sampling significance.

Dunbar, D. Milk sampling under the Food and Drugs Acts. Brit. Food J., 1905, **7**: 213; 235.—**Münchberg, F., & Quas, F.** Beitrag zur veterinärhygienischen Beurteilung roher Sammelmilchproben. Wien. tierärztl. Mschr., 1939, **26**: 419–32.—**Torrance, H. L.** The inadequacy of bulk sampling as a means of protecting the public from the dangers of tubercle infection in milk. Vet. J., Lond., 1933, **89**: 179–83, pl.—**Weber, K.** Versuche über die Erzielung richtiger Durchschnittsproben bei Milch. Zschr. Untersuch. Lebensmitt., 1927, **53**: 449–54.

MILK sanitarian.

See also **Milk inspection.**

International Association of Milk Sanitarians. Annual Report. 4., 1915; 21., 1932; 23.–25., 1934–36. 5v. 23cm. Wash., &c., 1915–37.

Beaufrère, Leó & Névot. La mallette à prélèvements de l'inspecteur-hygiéniste laitier. Rec. méd. vét., 1939, **115**: 617–22.—**Bendixen, H. A.** The work of the milk sanitarian; fruitful or frightfully fretful? Sanitarian, Los Ang., 1946–47, **9**: 197–202.—**Holford, F. D.** Some of the problems confronting the milk sanitarian. Cornell Vet., 1939, **29**: 145–53.—**Tiedeman, W. B.** Report of the Committee on Sanitary Procedure; International Association of Milk Sanitarians for 1939. J. Milk Techn., 1940, **3**: 65–71.—**Yearout, F. H.** Relationship between the dairyman and the sanitarian in the milk program. Papers Health Work. Conf. Tennessee, 1938, **10**: 103–13.

—— Instruction.

Butterworth, T. H. The training of personnel for the field of milk sanitation. J. Milk Techn., 1940, **3**: 19–23.—**Giltner, W.** The training of veterinarians for milk hygiene. J. Am. Vet. M. Ass., 1938, **93**: 367–71.—**Kroon, H. M.** De kennis van melk en melkhygiëne worde als leervak aan 's rijks veeartsenijschool ingevoerd. Tschr. veearts., 1904–05, **32**: 1–14.

MILK sanitation.

Abbrev.: MS for milk sanitation; HL for higienización de la leche, and equivalents; AL for assainissement du lait.

See also **Milk care; Milk hygiene; Milk plant; Milk production; Milk supply.**

Anderson, J. C. Reducing disease hazards through MS. Texas J. M., 1931–32, **27**: 34–9.—**Asomura, T.** Gyūnyū to syokuniku no eisei [Sanitation of milk and meat] Kōsei kagaku, 1948, **7**: 190–3.—**Cox, W. C.** Milk. In: Prev. Med. in World War II, Wash., 1948, **11**: 61.—**Holmquist, C. A.** [MS] Annual Rep. N. York State Dep. Health, 1941, **62**: pt 1, 352–62.—**Lewis, M.** Milk sanitation. Tr. N. Carolina Pub. Health Ass., 1926, **16**: 45–50.—**Meewes, K. H., Seelemann, M., & Nottbohm, H.** Milch. FIAT Rev., Wiesb., 1948, Hyg., pt 1, 140–56.—**Milk** sanitation. Q. Bull. Louisiana Bd Health, 1943, **34**: No. 3, 3; 19. Also Virginia Health Bull., 1949, **2**: No. 7, 3–13.

—— Methods.

Brooks, P. B. Essentials vs non-essentials in MS. N. England J. M., 1930, **202**: 582–5.—**Claveaux, E. M.** [HL] Bol. sal. púb., Montev., 1934, **3**: 172–84.—**Gronwald, H.** Die Methode Nathan Straus im Lichte deutscher Forschung. Deut. Aerzte Ztg, 1908, **10**: 386–8.—**McKay, R. D.** Essentials of MS. Nova Scotia M. Bull., 1947, **26**: 279–81.—**Morton, R. J.** Essentials of MS. Papers Health Work. Conf. Tennessee, 1931, **2**: 25–34.—**Rodrigues, A. de P.** Um novo methodo de tratamento hygienico do leite. Arch. brasil. med., 1922, **12**: 411–8.—**Rolet, A.** Les méthodes modernes d'AL. Rev. gén. sc. pur., Par., 1933, **44**: 55–60.—**Soares Filho, F.** Exame da eficiência do tratamento bactericida procedido em frascos destinados ao engarrafamento de leite. Bol. indúst. animal, S. Paulo, 1944, **7**: No. 3, 3–8.

—— Organization.

Enock, A. G. This milk business; a study from 1895 to 1943. 243p. 23cm. Lond., 1943.

Tobey, J. A. Legal aspects of MS. 2. ed. 133p. 24cm. Wash., 1947.

Cumming, H. S. Public health service, with special reference to MS. West Virginia M. J., 1932, **28**: 492.—**Frank, L. C.** A state-wide MS program. Pub. Health Rep., Wash., 1924, **39**: 2765–87. ——— The scope of the MS studies of the Public Health Service. Annual Rep. Internat. Ass. Milk San. (1936) 1937, **25**: 191–200.—**Hitchens, A. P.** Celebration of a half century of MS. Week. Roster, Phila., 1941–42, **37**: 1373–7.—**Ragsdale, A. C.** MS in the dairy industry. Illinois Health Mess., 1941, **13**: 38–42.

—— Problems.

See also **Milk problem.**

Cirelli, A. D. El problema de la HL de consumo. 213p. 23cm. S. Franc. 1941.

Besio Moreno, N. La ingeniería sanitaria en el grave problema de la leche. Bol. Obras san. nac., B. Air., 1941, **8**: 20–3.—**Frank, L. C.** Engineering problems in MS. Pub. Health Rep., Wash., 1939, **54**: 513–27, illust.—**Klutmann, H. A.** Grundsätzliches zur Frage der Hygienisierung der Milchversorgung. Zschr. Fleisch Milchhyg., 1928–29, **39**: 176–8.—**Schiaffino, R.** Conclusiones sobre el problema de la HL. Arch. pediat. Uruguay, 1945, **16**: 291.—**Webb, J. A., & Ragsdale, H. L.** Problems of the MS program. J. Am. Vet. M. Ass., 1950, **116**: 275–7.

—— by countries.

Nazarre, A. Consideraciones generales de la Ordenanza municipal sobre higienización de la leche y su complementación necesaria. p.439–93. 25cm. B. Air., 1910.

Tr. Congr. internac. amer. med. hig., 1910.

Tamayo, L. E. La HL en la ciudad de Guayaquil. 23p. 27cm. Guayaquil, 1933.

Amaral, F. P. do. O leite; considerações de ordem higiênico-social sobre o seu comércio em São Paulo. Rev. med. cir. S. Paulo, 1948, **8**: 57; 107.—**Barberousse, C. M.** Algunos aspectos del problema de la HL en los Estados Unidos. Arch. pediat. Uruguay, 1948, **19**: 232; 462.—**Benítez Soto, L.** Bosquejo del problema sanitario de la leche en México. Medicina, Méx., 1945, **25**: Suppl., 115–9.—**Borzone, R. A.** El problema de la leche potable en los centros rurales y urbanos de Santa Fé. Bol. Inst. clín. quir., B. Air., 1928, **4**: 884–93.—**Breed, R. S.** MS in European countries. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, **23**: 164–73. ——— The whence and whither of MS. Canad. Pub. Health J., 1940, **31**: 414–23.—**Bureau** (The) of MS. Pennsylvania Health, 1941–42, **2**: No. 6, 24.—**Fatán, J.** Zöldkeresztes tehénakció a beregi közigazgatási kirendeltség területén. Nepegészségügy, 1941, **22**: 1000–6.—**Frank, L. C.** Report of MS Advisory Board of the United States Public Health Service. Proc. Conf. Health Author. N. America, 1934, **49**: 67–70. Also Bull. Off. internat. hyg. pub., Par., 1936, **28**: 100–4.—**Holmquist, C. A.** Report of the Committee on MS. Pub. Health Bull., Wash., 1927, No. 169, 87–93.—**Local** MS needs; importance of MS. J. M. Ass. Alabama, 1940–41, **10**: 117–20.—**Milk-sanitation** ratings of cities. Pub. Health Rep., Wash., 1934, **49**: 112; 530; 1935, **50**: 949.—**Milk** sanitation status of urban communities; urban communities in which pasteurized milk is both properly produced and properly pasteurized and in which raw milk is at least properly produced, as shown by ratings of 90 percent or more reported by the state MS authorities during the perlod January 1, 1934, to December 31, 1935. Ibid., 1936, **51**: No. 6, 143–6.—**Moss, F. J.** Milk investigations of the U. S. Public Health Service. J. Milk Techn., 1940, **3**: 145–54.—**Murray, R. H.** MS in Canada. Canad. Pub. Health J., 1932, **23**: 259–66.—**N. C.** Public Health Association; score card for milk. Tr. N. Carolina Pub. Health Ass., 1922, **12**: 71–9.—**Oliva, S.** La HL destina a los niños menores de dos años. Arch. lat. amer. pediat., B. Air., 1917, **11**: 518–41.—**Ramos, M. de P.** [HL] Pediat. prat., S. Paulo, 1934, **5**: 397–418. ——— HL e a soja nos Estados Unidos. Rev. paul. med., 1948, **32**: 148.—**Saldún de Rodríguez, M. L.** Aspectos del problema de

la HL de vaca en los Estados Unidos. Arch. pedlat. Uruguay, 1948, **19**: 233; 332.—**Taylor, C. L.** The sanitation status of Indiana milk supplies. Month. Bull. Indiana Div. Pub. Health, 1937, **40**: 148–50.

MILK science.

Crónicas; leche. Bol. Of. san. panamer., 1942, **21**: 168–72.—**Dorner, W.** Quelques réflexions sur les moyens de rendre le travail scientifique plus efficace et en particulier sur la bibliographie. Lait, 1927, **7**: 984–90.—**Grimmer, W.** Die Arbeiten auf dem Gebiete der Milchwissenschaft und Molkereipraxis in den Jahren 1916 und 1917. Mschr. Kinderh., 1920, **18**: 27; 144.—**Hoobler, B. R., & Macy, I. G.** Milk. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **10**: 168–82.—**Raudnitz, R. W.** Elftes Sammelreferat über die Arbeiten aus dem Gebiete der Milchwissenschaft und Molkereipraxis. Mschr. Kinderh., 1907–08, **6**: 579–614.—**Reitz, A.** Umschau über die Fortschritte der Milchforschung. Zschr. Fleisch Milchhyg., 1916–17, **27**: 81; 101.

—— Congresses

[Abbrev.: MWK for Milchwirtschafts-Kongress; CIL for Congrès international de laiterie, and equivalents; CVL congreso venezolano de la leche]

See also **Milk commission.**

International Dairy Congress. United States Delegates. Report, 1928. 135p. 22½cm. Wash., 1929.

Venezuela. Congreso venezolano de la leche [1. Congr., Caracas, July 5–10, 1939] Memoria. 426p. 25cm. Caracas, 1939.

World Dairy Congress [9. Congr., 1931] [Memorias] p.527–726. 24cm. Madr., 1931.

In: Rev. hig. san. pecuar., Madr., 1931, **21**:

Arloing. Compte rendu du Congrès de Buda-Pesth; du Congrès international de la tuberculose et du Congrès de laiterie. Bull. Soc. sc. vét. Lyon, 1905, **8**: 211–8.—**Armas, J. C. de.** Informe que presenta el delegado por el Estado Apure, al primer CVL. Mem. Congr. venezol. leche, 1939, 1. Congr., 131–9.—**Clauss, W.** Elfte MWK vom 22.–28. August 1937 in Berlin. Zschr. Untersuch. Lebensmitt., 1936, **72**: 319–21.—**CIL** (10e) Rome-Milan, 30 avril–6 mai, 1934. Lait, 1935, **15**: 98; 212.—**CIL** (11e) Berlin, 21–28 août 1937. Ibid., 1939, **19**: 417–34.—**CIL** (12) Stockholm, 15–19 agosto 1949. Rev. san. vet., Madr., 1949, **4**: 130–66.—**Congrès** de l'office national de propagande du lait, Paris, février, 1934. Lait, 1934, **14**: 336.—**Congrès** (17.) national de l'industrie laitière, Nancy, 24–26 septembre, 1936. Ibid., 1936, **16**: 1037–44.—**Copeland, W. R., Fetterman, J. C., & Edwards, O. M.,** jr. Symposium on milk. Pennsylvania M. J., 1906–07, **10**: 716–29.—**Cuenca, C. L. de.** Duodécimo CIL celebrado en Estocolmo en agosto de 1949. Rev. san. vet., Madr., 1949, **4**: 737–69.—**Exposición** que hace la Jefatura Civil del Sistrito Torres, Estado Lara, para informar sobre el cuestionario que se presentará al primer CVL. Mem. Congr. venezol. leche, 1939, 1. Congr., 84–6.—**Internationaler** (VI.) MWK. Schweiz. Arch. Tierh., 1914, **56**: 346–56.—**Internationaler** (XII) MWK. Ibid., 1948, **90**: 285.—**L., d.** Enkele indrukken van het Internationale Congres der Gouttes de Lait te Brussel. Tschr. kinderverzorg., 1906–07, **4**: 187.—**Martel, H.** Au sujet des travaux de la Conférence du lait. Bull. Acad. méd., Par., 1946, **130**: 512–20.—**Mezinárodní** (12) mlékařský kongres. Výzkum. prům. výživ., 1949, 35.—**Münchberg, F.** Elfte MWK in Berlin, 22. bis 27. August 1937. Wien. tierärztl. Mschr., 1937, **24**: 641–5.—**Phair, J. T.** 1939 Report of the Committee on Milk Conference of State and Provincial Health Authorities. Proc. Conf. Health Author. N. America (1939) 1940, 54. Meet., 85–92.—**Porcher, C.** Compte-rendu du 3. CIL tenu à la Haye du 16 au 20 septembre 1907. Bull. Soc. sc. vét. Lyon, 1907, **10**: 417–28.—**Primer** CVL, 5–10 julio 1939. Arch. venezol. puericult., 1939, **2**: 127–37. Also Rev. Policlín. Caracas, 1939, **9**: 3186.—**Report** of the Committee on Milk, Conference of State and Provincial Health Authorities, 1935. Vet. Bull., Wash., 1935, **29**: No. 4, 353–7.—**Rúiz Martínez, C.** CIL (g). Rev. hig. san. pecuar., Madr., 1931, **21**: 527–64, illust.—**Segunda** Conferencia nacional de la leche, B. Aires, 1941. Bol. Inst. protec. inf., Montev., 1941, **14**: 501–4.

—— Institutes and societies.

[Netherlands] Genootschap ter bevordering van melkkunde. Handelingen. Dieren, 1908–

Kon, S. K. Experiments at the National Institute for Research in Dairying; general introduction. In: Milk & Nutr. (Gr. Brit. Nat. Inst. Res. Dairying) Reading, 1937, pt 1, 7.—**Porcher, C.** La création d'un institut du lait. Rev. sc., Par., 1920, **58**: 363–6.—**Seelemann, M.** 25 Jahre tierärztliche Mitarbeit an der Versuchs- und Forschungsanstalt für Milchwirtschaft in Kiel, 1925–49. Lebensmitteltierarzt, 1950, **1**: 39–45.—**Vintika, J.** Výzkumná práce Laktologického ústavu českého vysokého učení technického v Praze. Výživa lidu, 1949, **4**: 228.

—— Manual.

Brush, E. F. Milk. 126p. 19cm. N. Y., 1898.

Eckles, C. H., Combs, W. B., & Macy, H. Milk and milk products. 3. ed. 414p. 21½cm. N. Y., 1943.

Grimmer, W. Lehrbuch der Chemie und Physiologie der Milch. 2. Aufl. 326p. 8° Berl., 1926.

Klimmer, M. Milchkunde mit besonderer Berücksichtigung der Milchhygiene und der hygienischen Milchkontrolle. 2. Aufl. 212p. 8° Berl., 1932.

—— & Schönberg, F. K. [The same] 5. Aufl. 293p. 23½cm. Berl., 1947.

Rochaix, A., & Tapernoux, A. Le lait et ses dérivés; chimie, bactériologie, hygiène. 2. éd. 456p. 25½cm. Par., 1948.

Sommerfeld, P. Handbuch der Milchkunde. 999p. 27½cm. Wiesb., 1909.

—— Periodical.

Journal of dairy science. Balt., etc., v.**8**, 1925–

Journal of milk technology. Orange, v.**2**, 1939–

Lait (Le) Par., v.**4**, 1924–

Leite e lacticinios. Rio, v.**1–2**, 1922–24.

Milchwirtschaftliche Zeitung für den Alpen-, Sudeten- und Donauraum. Wien, v.**50**, 1942–

Milchwirtschaftliches Zentralblatt; Zeitschrift für wissenschaftliche und praktische Milchkunde. Hannover, v.**71**, 1942–

Molkerei-Zeitung. Berl., v.**14–25**, 1904–15.

Vitex news. Harrison, No. 2, 1937–

Vitex news. Supplement. Harrison, No. 2, 1941–

Journaux (Les) de laiterie dans le monde. Lait. 1929. **9**: 212; 322.

MILK secretion.

Abbrev.: L for lactation; MS for milk secretion and equivalents; SL for sécrétion du lait and equivalents; SM for secretion of milk.

See also **Milk composition,** Biological changes. For human milk see **Breast-milk,** Secretion.

Dyssegaard, A. [Investigations on MS] p.103–64. 8° Kbh., 1923.

Aarsskr. Vet. Landbohøjsk., Kbh., 1923.

Espe, D. L. Secretion of milk. 265p. 23cm. Ames, 1938.

Duncum, B. M. Some notes on the history of L. Brit. M. Bull., 1947, **5**: 253.—**Folley, S. J.** Lactation. Biol. Rev. Cambridge Philos. Soc., 1940, **15**: 421–58.—**Kay, H. D.** The SM. Nature, Lond., 1945, **156**: 159–62. Also Proc. R. Inst. Gr. Britain (1945) 1947, **33**: 401–18. —— Biochemistry of MS. Brit. M. Bull., 1947, **5**: 149–54.—**Nichita, G.** Etude de la SL. Lait, 1940, **20**: 244.—**Nikitin, V. N.** Novye dannye po biokhimii L. Biokhimia, Moskva, 1949, **14**: 211–8. —— Biokhimiceskie problemy L. J. obshch. biol., Moskva, 1949, **10**: 459–69.—**Petersen, W. E.** Lactation. Physiol. Rev., 1944, **24**: 340–71.—**Süe, P.** [SL] In his Dix ans appl. radioact., Par., 1948, 112.—**Svehla, K.** Praktické vuyžití pokusných a klinických pozorování o tvorbě mléka. Cas. lék. česk., 1919, **58**: 672–6.—**Vignes, H.** Quelques idées très générales sur l'allaitement. Rev. path. comp., Par., 1948, **48**: 493–7.

—— abnormal.

Zimmermann, E. *Ueber einen Fall von L bei einem Fohlen, unter Berücksichtigung der Literatur über abnorme Milchsekretion bei unseren Haustieren [Leipzig] 24p. 8° Lucka, 1923.

Barker, C. A. V. Lactation in a free martin heifer following hormone therapy. Canad. J. Comp. M., 1944, **8**: 216–8.—**Engelhardt, H.** Zwei Fälle von L anormalis bei neugeborenen Fohlen. Prag. tierärztl. Arch., 1938, **18**: 167.—**Higgins, C. C.** Lactation in a virgin bitch. Vet. Pract., Evanston, 1942, **23**: No. 3, 20.—**Raghavachari, K. V.** Lactation in a sterile cow.

Ind. Vet. J., 1940–41, **17**: 296.—**Shoshan, A.** Maiden L in a heifer. Vet. J., Lond., 1935, **91**: 280.—**Velich, A.** La SL sans fécondations. Lait, 1926, **6**: 1; 102, pl.—**Zimmermann, W.** Auftreten starker L bei einer Stute vier Monate vor Ablauf der normalen Trächtigkeit. Berl. tierärztl. Wschr., 1907, **23**: 197.

—— Disorders.

Coccola, C. A. de. *La yohimbin dans l'hypogalactie; contribution à l'étude des galactagogues. 73p. 8° Par., 1936.

Seelemann, M. Untersuchungen über die Sekretionsstörungen der Milchdrüse, insbesondere die dureh Streptokokken hervorgerufenen Euterentzündungen des Rindes. p.1–53. 23cm. Berl., 1928.
Arch. wiss. prakt. Tierh., 1928, **58**:

Zagha, J. *L'agalaxie contagieuse des petits ruminants [Alfort; Vét.] 88p. 24cm. Par., 1943.

Antonowitsch, E. Laktationshemmung nach Fehl- und Totgeburt. Geburtsh. & Frauenh., 1948, **8**: 227–9.—**Bridré, J.** Agalaxie contagieuse. In: Ultravirus (Levaditi, C.) Par., 1943, 1143–56.—**Edelmann, A., & Gaunt, R.** Inhibition of L in the rat. Am. J. Physiol., 1940, **129**: 350. Also Physiol. Zool., 1941, **14**: 373–8.—**Florentin, P.** Le tissu adipeux de la mamelle au cours de la rétention lactée chez le cobaye. Bull. histol. appl., Lyon, 1936, **13**: 336–42.—**Gascoigne, G. H.** Appliance for stimulating the process of L. U. S. Patent Off., 1951, No. 2,542,505.—**Grégoire, C.** Stimulation de la SL et structure de la glande mammaire en état de rétention forcée. Arch. biol., Liége, 1946, **57**: 183–96.—**Klein, L. A.** Treatment of agalactia in sterile cows and heifers by implantations of stilbestrol. Vet. Extens. Q., Phila., 1946, No. 101, 22–4.—**Kos, M.** Poruchy laktace a jejich léčba jodem. Cesk. gyn., 1949, **14**: 473–8.—**Lagov, S. I.** [Correlation of the mammary glands with other glands of internal secretion in gravidan therapy of pathological L] In: Tr. Endokr. otdel. Obedin. poliklin., Moskva, 1936, 318–23.—**Laue, W.** Der Wert der sogenannten Vormelkproben zur Feststellung von Sekretionsstörungen der Milchdrüse unter besonderer Berücksichtigung der Prüfschale nach Dr Jonske. Zschr. Fleisch Milchhyg., 1929–30, **40**: 227–30.—**Leeney, H.** Milking troubles. Australas. J. Pharm., 1929, n. ser., **10**: 516–9.—**Peeters, Vandeplassche & Massart.** Hormonal treatment of agalactia in the mare. Vet. Rec., Lond., 1946, **58**: 627.—**Porcher, C.** La rétention lactée. Ann. falsif., Par., 1919, **12**: 329–43.—**Ratti, P.** L'agalassia contagiosa delle capre e delle pecore in Val Bregaglia, Cantone del Grigioni. Schweiz. Arch. Tierh., 1938, **80**: 317–20.—**Reid, T.** The holding up and letting down of milk. M. S. C. Vet., East Lansing, 1943–44, **4**: 128–36.—**Schumann, P.** Erfahrungen bei der Bekämpfung des gelben Galtes der Kühe. Deut. tierärztl., Wschr., 1944, **52**: 42–4.—**Strebel.** Sur l'application de la sonde désobturatrice du trayon et ses suites. J. méd. vét., Lyon, 1868, **24**: 512–5.—**Weibull, R.** Leverbehandling vid bristande MS. Sven. läk. tidn., 1944, **41**: 683.—**Zietzschmann, O.** Ueber das Aufziehen der Milch bei der Kuh. Deut. tierärztl. Wschr., 1923, **31**: 111–4.—**Zwart, S. G.** Das sogenannte Aufzlehen (Aufhalten, Verhalten, Zurückhalten, Nichtherablassen) der Milch. Zschr. Fleisch Milchhyg., 1915–16, **26**: 373–5.

—— Drug excretion.

See also **Milk contamination.**

Déchavanne, H. *Du passage des substanees médicamenteuse et toxiques dans le lait. 102p. 8° Lyon, 1909.

Koldewijn, H. B. *Overgang van geneesmiddeln in melk. 118p. 8° Leiden, 1910.

Möllmann, H. *Untersuchungen über den Uebergang von Opiumbestandteilen in die Milch unserer Haustiere sowie über die durch die Verabreichung von Opium bedingten Veränderungen der Mileh. 40p. 8° Hannover, 1910.

Burn, J. H. Excretion of drugs in milk. Brit. M. Bull., 1947, **5**: 190–2.—**Dowden, H. C.** Note on the quantity of theobromine in the milk of cows fed on a diet including this alkaloid. Biochem. J., Lond., 1938, **32**: 71–3.—**Erf, L. A.** Secretion of orally administered radio-iron in the milk of cows. Proc. Soc. Exp. Biol., N. Y., 1941, **46**: 284–7. ——— & **Pecher, C.** Secretion of radio-strontium in milk of two cows following intravenous administration. Ibid., 1940, **45**: 762–4.—**Hallie, L. van.** Ueber die Ausscheidung von Arzneimitteln durch die Milch. Arch. Pharm., Berl., 1908, **246**: 593–5.—**Kawamura, T.** Syosyu Sulfonamid-kagōbutu no nyūzyū e no haisetu narabi-ni kore ga kettyū nōdo to no hikakū kenkyū, oyobi P-Aminobenzolsulfonacetylamid no sinyō narabi-ni taleki-nai ni okeru teiryō [Die Ausscheldung der verschiedenen Sulfonamidverbindungen in die Milch, und ihr Zusammenhang mit dem Blutspiegel, sowie die Bestimmung von P-Aminobenzolsulfonacetylamid im Harn, im Kot u. in den Körperflüssigkeiten. Jap. J. Urol., 1940, **29**: 195–206.—**Kolda, J.** Du passage des substances médicamenteuses dans le lait. Lait, 1926, **6**: 12; 88.—**Lagrange-Francès.** Considérations sur l'influence du passage dans le lait de quelques principes d'origine minérale ou végétale. Ibld., 1934, **14**: 811–7.—**Lanzoni, O.** Modificazioni indotte da alcuni medicamenti sulla percentuale degli elementi costitutivi del latte di vacca. Clin. vet., Milano, 1913, **36**: 11; 58.—**Matthews, N. L., Curtis, G. M., & Meyer, J. H.** The effect of increased iodine feeding upon the lodine content of cows' milk. Collect. Repr. Comly & Coleman Fund M. & S. Res. Ohio Univ., 1939–41, 1: No. 13, 395–402.—**Reijst-Scheffer, A.** Der Uebergang der Jodide in Milch. Arch. Pharm., Berl., 1908, **246**: 595–8.—**Ringseisen, J.** Welche Arzneimittel gehen in die Milch über? Münch. tierärztl. Wschr., 1932, **84**: 229–34.—**Titze, C., & Wedemann, W.** Beitrag zur Frage, ob das dem tierischen Körper einverleibte Kupfer mit der Milch ausgeschieden wird. Arb. Gesundhamt., 1911, **38**: 125–38.

—— Endocrine aspect.

Chantereau, R. *Hypophyse et L; étude critique. 43p. 24em. Par., 1942.

Folley, S. J., & Malpress, F. H. Hormonal control of L. p.745–805. 23½em. N. Y., 1948.
In: Hormones (Pincus, G.) N. Y., 1948, **1**:

Werra, G. de. *A propos de l'aetion du propionate de testostérone sur la SL. 47p. 23cm. Lausanne, 1941.

Atkinson, W. B. The production of ovarian hormones during L in the mouse. Anat. Rec., 1946, **94**: 448. ——— & **Leathem, J. H.** The day to day level of estrogen and progestin during L in the mouse. Ibid., **95**: 147–57, pl.—**Barnes, J.** Hormonal inhibition of L; with special reference to man. Brit. M. Bull., 1947, **5**: 167–70.—**Bottomley, A. C., Folley, S. J.** [et al.] Effect of subcutaneous implantation of adrenalin tablets on blood-sugar and milk composition in lactating ruminants. J. Endocr., Oxf., 1939, **1**: 287–99.—**Bradbury, J. T.** Study of endocrine factors influencing mammary development and secretion in the mouse. Proc. Soc. Exp. Biol., N. Y., 1932, **30**: 212.—**Bucciardi, G.** L'azione dell'insulina e della pilocarpina sulla secrezione e sulla quantità di lattosio nel latte. Boll. Soc. ital. biol. sper., 1928, **3**: 527–30.—**Cowie, A. T., & Folley, S. J.** The measurement of lactational performance in the rat in studies of the endocrine control of L. J. Endocr., Cambr., 1947, **5**: 9–13. ——— Adrenalectomy and replacement therapy in lactating rats; effects of deoxycorticosterone acetate on L in adrenalectomized rats. Ibid., 14–23. ——— Effects of deoxycorticosterone acetate and 11-oxygenated cortical steroids on L in adrenalectomized rats maintained on stock or high-protein diets. Ibid., 24–31. ——— The effect of adrenalectomy on L studied in pair-fed rats. Ibid., 282–9. ——— [et al.] Further observations on the effects of adrenalectomy on lactating rats studied by the paired-feeding technique. Ibid., 1949, **6**: Suppl., p. ii.—**Desclin, L.** Influence de la section de la tige hypophysaire sur la L chez le rat blanc. C. rend. Soc. biol., 1940, **134**: 267–9. ——— A propos du rôle de la prolactine dans le mécanisme du dioestrus de la L. Ibid., 1946, **140**: 1182–4.—**Fauvet, E.** Hypophyse und L. Klin. Wschr., 1942, **21**: 381–5.—**Fawns, H. T., Folley, S. J., & Young, F. G.** The galactopoietic action of pituitary extracts in lactating cows; the response during the peak of L. J. Endocr., Cambr., 1944–45, **4**: 205–11.—**Folley, S. J.** The effect of oestrogenic hormones on L and on the phosphatase of the blood and milk of the lactating cow. Biochem. J., Lond., 1936, **30**: 2262–72. ——— Experiments on the relation between the thyroid gland and L in the rat. J. Physiol., Lond., 1938, **93**: 401–12. ——— Recent advances in lactational endocrinology as applied to farm animals. Vet. Rec., Lond., 1944, **56**: 9. ——— Endocrine control of the mammary gland; L. Brit. M. Bull., 1947, **5**: 135–42. ——— & **Cowie, A. T.** Adrenalectomy and replacement therapy in lactating rats. Yale J. Biol., 1944–45, **17**: 67–74.—**Folley, S. J., & Kon, S. K.** The effect of sex hormones on L in the rat. Proc. R. Soc., Lond., 1938, ser. B, **124**: 476–92.—**Folley, S. J., & Malpress, F. H.** The artificial induction of L in the bovine by the subcutaneous implantation of synthetic oestrogen tablets. J. Endocr., Oxf., 1944–45, **4**: 1–18, pl. ——— Artificial induction of L in bovines by oral administration of synthetic oestrogens. Ibid., 23–36, pl. ——— & **Young, F. G.** Induction of L in goats and cows with synthetic oestrogens and anterior-pituitary extracts. Ibid., 181–93. ——— The galactopoietic action of pituitary extracts in lactating cows; comparison of extracts of pituitary glands from different species. Ibid., 212–8.—**Folley, S. J., & White, P.** The effect of thyroxine on MS and on the phosphatase of the blood and milk of the lactating cow. Proc. R. Soc., Lond., 1936–37, ser. B., **120**: 346–65.—**Folley, S. J., & Young, F. G.** Further experiments on the continued treatment of lactating cows with anterior pituitary extracts. J. Endocr., Oxf., 1940, **2**: 226–36. ——— [et al.] The galactopoietic action of pituitary extracts in lactating cows. Ibid., 1944–45, **4**: 194–218. ——— & **Stewart, D. L.** Experiments on the use of tablets containing 50% hexoestrol for the artificial induction of L in the bovine. Ibid., 43–52.—**Friedman, M. H.** Glands, hormones, and blood constituents; their relation to MS, endocrine factors. Yearb. U. S. Dep. Agr., 1939, 685–94.—**Gaunt, R., & Tobin, C. E.** Lactation in adrenalectomized rats. Am. J. Physiol., 1936, **115**: 588–98.—**Graham, W. R. jr.** The effect of thyroidectomy and thyroid feeding on the MS and milk fat production of cows.

J. Nutrit., 1934, 7: 407–29.—**Grégoire, C.** Influence de diverses modalités expérimentales de la L sur les thyroïdes et les surrénales du rat. C. rend. Soc. biol., 1946, **140**: 1151.—**Hain, A. M.** Effect upon L of oöphorectomy during pregnancy (albino rat) Q. J. Exp. Physiol., Lond., 1934, **24**: 117–21.—**Hammond, J., jr, & Day, F. T.** Oestrogen treatment of cattle; induced L and other effects. J. Endocr., Oxf., 1944–45, **4**: 53–82, 2 pl.—**Hibbs, J. W., & Krauss, W. E.** The effect of thyroprotein (protamone) on milk production and on some of the constituents of the milk and blood of dairy cows. J. Animal Sc., 1947, **6**: 161–73.—**Hohlweg, W.** Ueber die hormonale Auslösung der L. Zbl. Gyn., 1947, **69**: 1299–308.—**Jáuregui, G. R.** La hormona lactogénica o prolactina. Sem. méd., B. Air., 1946, **53**: 269–71.—**Joseph, F., & Vaidyanathan, S. N.** Inhibition of L in a bitch with stilboestrol dipropionate in oil. Ind. Vet. J., 1948–49, **25**: 450.—**Langezaal, C. F. M., & Gaarenstroom, J. H.** La signification de l'hypophyse pour la L du rat. Acta brevia neerl., 1946, **13**: 56–60.—**Lipchina, L.** [Effect of hormones and lysates on L] In: Probl. Zootechn. Exp. Endocr. (Zavadovsky, B. M.) Moskva, 1935, **2**: 274–82.—**Lyons, W. R.** Evidence of placental mammotrophin. Anat. Rec., 1944, **88**: 446.—**Masson, G. M. C.** Effects of gonadotrophic hormones on L. Proc. Soc. Exp. Biol., N. Y., 1947, **66**: 506–8.—**Meites, J., & Turner, C. W.** The experimental induction and maintenance of L in goats with estrogen-thyroid combinations. J. Animal Sc., 1947, **6**: 499.—**Menzyu, K.** An experimental study on the mechanism of the SM; on the effect of individual and united actions of follicular hormone, lutein hormone, and anterior-lobe hormone upon the mammary gland. Jap. J. Obst., 1940, **23**: 25–34, 2 pl. ——— An experimental study on the relation between the adrenal and the mammary gland. Ibid., 35–41, pl.—**Nagareda, C. S., & Gaunt, R.** Lactation in adrenalectomized rats. Anat. Rec., 1948, **101**: 723.—**Nelson, W. O., Himwich, H. E., & Fazekas, J. F.** Studies on the physiology of L; the induction of L in depancreatized dogs. Ibid., 1936, **66**: 201–15.—**Nelson, W. O., & Smelser, G. K.** Lactation in the male guinea pig and its bearing on the corpus luteum problem. Am. J. Physiol., 1933, **103**: 374–81.—**Parkes, A. S., & Glover, R. E.** Induction of L in heifers by a single injection of estcrs of diethylstillboestrol. J. Endocr., Oxf., 1944–45, **4**: 90–102. ——— Oestrogenic induction of L in cattle. Vet. Rec., Lond., 1945, **57**: 597.—**Petersen, W. E.** The hormonal control of L. Recent Progr. Hormone Res., 1948, **2**: 133–58.—**Reece, R. P.** Initiation and maintenance of L in dairy heifers by hormone administration. Proc. Soc. Exp. Biol., N. Y., 1943, **52**: 145. ——— **Bartlett, J. W.** [et al.] Hormonal inhibition of L. Ibid., 1940, **43**: 183–6.—**Robson, J. M.** Action of testosterone on L. Ibid., 1937–38, **36**: 153.—**Roy, A.** The galactopoietic activity of hormones in cows in declining L. J. Endocr., Cambr., 1947, **5**: Proc., xxxv.—**Smith, G. V. S., & Smith, O. W.** The inhibition of L in rabbits with large amounts of oestrin. Am. J. Physiol., 1933, **103**: 356–61.—**Spriggs, D. N.** Some observations on the oestrogenic induction of L in cattle. Vet. Rec., Lond., 1945, **57**: 519–25.—**Sulman, F. G., & Twerski, J.** Lack of effect of prolactin on milk production of cows [Hebrew text] Refuah vet., 1948, **5**: 53.—**Tutumi, M.** Nyūzyū bunpitu ni kan-suru zikken-teki kenkyū; nōkasuitai-zen-yō no iwayuru Lactationshormon oyobi sono syōmei-hō ni tuite [Experimentelle Untersuchungen über die MS; über das sog. Laktationshormon in Hypophysenvorderlappen und seine Nachweismethode] Mitt. Jap. Ges. Gyn., 1937, **32**: 1549–63, 6 pl. ——— **Sibayama, K., & Takenaga, Z.** Nōkasuitai-zen-yō no nyūzyū-bunpitu-Hormon (Lactationshormon) syōmei-hō ni tuite [Method of proving the L hormone of the anterior lobe of the hypophysis] Ibid., 883.—**Walker, S. M., & Matthews, J. I.** Observations on the effects of prepartal and postpartal estrogen and progesterone treatment on L in the rat. Endocrinology, 1949, **44**: 8–17, incl. pl.

—— Food factor.

See also **Milk composition,** Food factor.

Barsantini, J. C., Masson, G., & Selye, H. Effets des stéroïdes sur la L. Rev. canad. biol., 1946, **5**: 407–27.—**Bus, R.** L'allaitement artificiel chez les animaux domestiques. Lait, 1928, **8**: 393–410.—**Cardone, E.** Prove di alimentazione delle vacche da latte con farina di pancreas. Clin. vet., Milano, 1936, **59**: 285–96, ch.—**Cary, C. A.** Utilization of feed energy and feed protein in MS. Yearb. U. S. Dep. Agr., 1939, 649–67.—**Cerecedo, L. R., & Vinson, L. J.** Growth, reproduction, and L in mice on highly purified diets, and the effect of folic acid concentrates on L. Arch. Biochem., N. Y., 1944, **5**: 157–64. ——— The effect of the L. casei factor and of a highly potent folic acid concentrate on L in rats maintained on synthetic rations. Ibid., 469.—**Clayton, M. M.** The comparative value of different food proteins for reproduction and L in the rat; milk, egg and meats. J. Nutrit., 1930–31, **3**: 23–38.—**Daggs, R. G.** Studies on L; production of milk in the dog as influenced by different kinds of food proteins. Ibid., 1931, **4**: 443–67. ——— Effect of various dietary principles on L in rats. Proc. Soc. Exp. Biol., N. Y., 1934, **32**: 194. ——— & **Tomboulian, R. L.** Studies on L; effect of various dietary principles on L in rats. J. Nutrit., 1935, **9**: 581–92.—**Gouin, R.** Recherches sur le rendement de la glande mammaire. Bull. Soc. sc. hyg. aliment., Par., 1928, **16**: 211–7.—**Loosli, J. K., Lingenfelter, J. F.** [et al.] The role of dietary fat and linolcic acid in the L of the rat. J. Nutrit., 1944, **28**: 81–8.—**Miller, W. C.** The influence of feeding and management on MS with special reference to animals. Pub. Health, Lond., 1946–47, **60**: 141–3.—**Mueller, A. J., & Cox, W. M.,** jr. The effect of changes in diet on the volume and composition of rat milk. J. Nutrit., 1946, **31**: 249–59.—**Peet, L. J.** Some dietary factors affecting L in the albino rat. J. Sc. Iowa Coll., 1931–32, **6**: 463–5.—**Ravasini, L.** Alcune osservazioni sui rapporti intercorrenti tra alimentazione c allattamento. Q. nutriz., Bologna, 1941–42, **8**: 333–40.—**Smuts, D. B., & Du Toit, B. A.** The milk-producing qualities of certain proteins; the special role played by amino-acid cystine. Nutrit. Abstr., Aberdeen, 1941–42, **11**: 98 (Abstr.)

—— Formation of milk.

See also **Milk fat,** Formation.

Cary, C. A. Glands, hormones, and blood constituents; their relation to MS; blood constituents. Yearb. U. S. Dep. Agr., 1939, 694–8.—**Graham, W. R., Jones, T. S. G., & Kay, H. D.** The precursors in cows' blood of milk fat and other milk constituents. Proc. R. Soc., Lond., 1936–37, ser. B., **120**: 330–46.—**Krzywanek, F. W.** Die Bildung der Milch im Euter. Berl. tierärztl. Wschr., 1929, **45**: 829–32.—**Nikitin, V. N.** [Synthesis of organic substances of milk and their predecessors in the blood] Usp. sovrem. biol., 1941, **14**: 126–35.—**Lintzel, W.** Le chimisme de la formation du lait. Lait, 1934, **14**: 1125–30.—**Peskett, G. L.** MS in relation to blood composition; the urea contents of blood and of milk-serum. Biochem. J., Lond., 1934, **28**: 1657.—**Petersen, W. C.** The making of milk in the cow's udder. M. S. C. Vet., East Lansing, 1941–42, 2: 57.

—— Gland.

Chiodi, V. Osservazioni sulla ghiandola mammaria dei bovini ad alta, media e bassa produzione di latte. Monit. zool. ital., 1932–33, **44**: suppl., 289–91.—**Cochrane, E. R.** Observations on a reflex controlling milk flow in the individual mammary gland of the cow. Brit. Vet. J., 1949, **105**: 320.—**Hesselberg, C., & Loeb, L.** The retrogression of the lactating mammary gland in the guinea pig. Am. J. Physiol., 1937, **118**: 528–31.—**Hesselberg, C., & Loeb, L.** The structure of the secreting and retrogressing mammary gland in the guinea pig. Anat. Rec., 1937–38, **68**: 103–12.—**Hoskins, H. P.** The udder of the cow; structure, development, synthesis of milk. North Am. Vet., 1943, **24**: 36; passim.—**Ingelbrecht, P.** Influence du système nerveux central sur la mamelle lactante chez le rat blanc. C. rend. Soc. biol., 1935, **120**: 1369–71.—**Levenstein, I.** The histology of the mammary glands of adrenalectomized lactating rats. Anat. Res., 1936–37, **65**: 477–88, 2 pl.—**Shaw, J. C., & Petersen, W. E.** Utilization of β-hydroxybutyric acid by the perfused lactating mammary gland. J. Biol. Chem., 1943, **147**: 639–43.—**Stakalić, E. P.** K voprosu o svjazi meždu razvitlem potovykh želez i moločnoj produktivnostju. Izv. Akad. nauk SSSR, ser. biol., 1945, 722–9, illust.—**Uyldert, I. E.** Investigations on the mammary gland and the L process in rats. Acta brevia neerl., 1943, **13**: 17–20.

—— Pharmacology.

See also other subheadings (Disorders; Drug excretion)

GRÄFE, E. *Pyro-Dalbeen als milchtreibendes Mittel bei Kühen. 58p. 8° Lpz., 1935.

Campus, A. Le iniezioni di saccarosio e la SL nella pecora. Arch. farm. sper., 1926, **41**: 39–46.—**Fauvet, E.** Künstliche Auslösung der L. Zbl. Gyn., 1947, **69**: 91.—**Grüter, F.** Plazenta-Extrakt, ein milchtreibendes Mittel. Schweiz. Arch. Tierh., 1926, **68**: 397.—**Hodson, A. Z.** Studies of the role of cholesterol esters in MS. Abstr. Theses Cornell Univ. (1937) 1938, 239–42.—**Klein, L. A.** Therapeutic control of L. Vet. J., Lond., 1943, **99**: 56–8.—**Malpress, F. H.** Experimental induction of L. Brit. M. Bull., 1947, **5**: 161–3.—**Mirone, L., & Cerecedo, L. R.** The beneficial effect of xanthopterin on L, and of biotin on reproduction and L, in mice maintained on highly purified diets. Arch. Biochem., N. Y., 1947, **15**: 324–6.—**Nakasima, S., Takada, Z.** [et al.] Yakubutu ni yoru nyūzyū bunpi yokuseihō [A method of controlling the SM by the use of drugs] Keiō igaku, 1937, 17: 470.—**Ott, I., & Scott, J. C.** Preliminary note; the action of various agents upon the SM [Abstr.] Proc. Soc. Exp. Biol., N. Y., 1911–12, **9**: 63.—**Poelt, H.** Ueber den Einfluss der Vitamine auf die MS bei Kühen. Zschr. Vitaminforsch., Bern, 1932, **1**: 289–94.—**Robinson, M.** Stimulation of L. Nurs. Mirror, Lond., 1947–48, **86**: 439.—**Schmid, E.** Jodiertes Kochsalz und MS. Schweiz. Arch. Tierh., 1925, **67**: 307–10.—**Smith, T. C.** Effect of salt-sugar solution and DCA on L. Fed. Proc., Balt., 1949, **8**: 148.—**Young, F. G.** Experimental stimulation (galactopoiesis) of L. Brit. M. Bull., 1947, **5**: 155–60.

—— Physiology.

TGETGEL, B. *Untersuchungen über den Sekretionsdruck und über des Einschiessen der Milch im Euter des Rindes. 37p. 8° Zür., 1926.

Azimov, G. I. [Physiology of L] J. Physiol. USSR, 1936, **21**: 757.—**Blaxter, K. L.** The physiology of L. Advance. Sc., Lond., 1949, **6**: 12–4,—**Feige, E.** Zur Biologie der MS beim Rinde. Münch. tierärztl. Wschr., 1930, **81**: 20–3.—**Folley, S. J.** The nervous system and L. Brit. M. Bull., 1947, **5**: 142–8.—**Hill, R. L.** Some aspects of the physiology of mammary

secretion. J. Am. Vet. M. Ass., 1917, **51**: 642–54.—**Kay, H. D., Richardson, K. C.** [et al.] Physiology of L. Nature, Lond., 1948, **162**: 601.—**Keiffer, H.** Du mécanisme de la L dans la série des mammifères. Bull. Acad. Belgique, 1930, 5. ser., **16**: 516–28, 6 pl.—**Lorenzo y Deal, J.** L et glycémie. Lait, 1937, **17**: 113–22.—**Morros Sardá, J.** Mecanismo humoral e nervoso da SL. Rev. miilt. remonta & vet., Rio, 1945, **7**: No. 49, 74; passim.—**Narayan, D., & Bhalerao, V. R.** Inititation of L in heifers and cows. Current Sc., Bangalore, 1947, **16**: 29.—**Physiology** of MS. Vet. Rec., Lond., 1936, **16**: 535.—**Staffe, A.** Acerca de la fisiología de la leche. Actas Ciba, B. Air., 1948, 342–9. Also Actas Ciba, Rio, 1949, **16**: 158–64.—**Turchini, J., Khau Van Kien, L., & Callaudaux.** Remarques sur l'histophysiologie de la SL. Montpellier méd., 1948, **33**:–**34**: 376. ——— Sur le mécanisme histochimique des sécrétions glucidlques et protidiques de la glande mammaire. Schweiz. med. Wschr., 1949, **79**: 461.—**Turner, C. W.** Physiology of MS. In: Bovine Mastitis (Little, R. B.) N. Y., 1946, 63–97.

—— Variation.

Bréard, P. A. M. *De l'influence de divers facteurs sur la SL chez l'homme et les animaux. 136p. 25cm. Nancy, 1938.

Factors influencing L. Brit. M. J., 1943, **1**: 517.—**Gaines, W. L.** Recherches sur la variation de la L des vaches Guernesey en fonction du temps (transi.) Lait, 1929, **9**: 344; 491.—**Kroon, H. M.** [Influence of ultravioiet rays on milk production] Tschr. diergeneesk., 1929, **56**: 965–78.—**Porcher, C., & Tapernoux, A.** Action de la saignée sur la SL. Lait, 1925, **5**: 965–8.—**Yosida, M., Suzuki, S.** [et al.] Ion-ka kūki-yoku no yagi nyūzyū bunpitu ni oyobosu eikyō [The effect of bathing in ionized air on the SM in goats] Hokkaidō igaku zassi, 1941, **19**: 1909–15.

—— in various animals.

Daggs, R. G. Studies on L; technic for studying L in rats. J. Nutrit., 1935, **9**: 575–80.—**Fenton, P. F., & Cowgill, G. R.** Nutr. of the mouse; L performance of four strains maintained on stock rations. Proc. Soc. Exp. Biol., N. Y., 1948, **68**: 58–60.—**Freud, J., & Uyldert, I. E.** Mamma and L in rats and other species. Arch. internat. pharm. dyn., Gand, 1948–49, **76**: 74–94.—**Gardner, W. U., & Dougherty, J. H.** The circulating leukocytes of suckling and nonsuckling lactating mice. Anat. Rec., 1944, **88**: 432.—**Greene, R. R.** Uterine distention and L in the rat. Endocrinology, 1941, **29**: 1026.—**Hāmori, D.** [Data on milk production and heredity of MS in the mare] Allatorv. lap., 1939, **62**: 39–43.—**Howard, A., & Sander, G.** Milk production in mice. Abstr. Bk Internat. Congr. Genet., 1948, 8. Congr., 66.—**Kozlowska, M., McCay, C. M., & Maynard, L. A.** A technic for studying L in small animals and its use in evaluating protein levels in the diet. J. Nutrit., 1932, **5**: 61–7.—**Krehbiel, R. H.** The effects of L on the implantation of ova of a concurrent pregnancy in the rat. Anat. Rec., 1941, **81**: 43–65, pl.—**Martins, T.** Disgorging of food to the puppies by the lactating dog. Physiol. Zool., 1949, **22**: 169–72.—**Matveev, B. S.** [On adaptation to L in mammals] Zool. J., Moskva, 1942, **31**: 47–68.—**Papp, G.** [Miik and milk production of the mare] Allatorv. lap., 1939, **62**: 6; 24; 44.—**Pons, P., & Ladrat, J.** Contribution à l'étude quantitative de la L chez la chienne. Rev. méd. vét., 1949, **12**: 175–83.—**Turcan, T.** Zur Feststellung des Frischmilchendseins der Ziegen mittels der Mikro-Abderhaidenreaktion nach Pregl-de Crinis. Fermentforschung, 1924–26, **8**: 524–9.—**Uyldert, I. E.** Mammary development and L in rats. Acta brevia neerl., 1947–48, **15**: 89–96.—**Zucker, T. F., & Zucker, L. M.** L in rats on well fortified all-plant rations. Arch. Biochem., Lanc., 1948, **19**: 323–8.

MILK serology.

See also **Milk casein; Milk protein; Milk serum.**

Eury, J. Le lait fixé. Bull. sc. pharm., Par., 1906, **13**: 669–72.—**Hukuda, Y.** Zin-nyū narabi-ni iti-ni katiku-nyū no kesseigaku-teki seizyō ni tuite [Ueber die serologischen Eigenschaften der Milch von Menschen und einigen Haustieren] Taiwan igakkai zassi, 1935, **34**: 644–58.—**Martillotti, F.** Sulla presenza del principio litico di Fleming nel latte. Pediatria (Riv.) 1936, **44**: 1097–108.—**Miyakawa, K.** Zennyū no kessei ni tai-suru kesseigaku-teki kankei [Die serologischen Beziehungen zwischen Vollmilch und Serum] Jap. Zschr. Mikrob., 1937, **31**: 159–82. ——— Nyūzyū tanpakusitu kaku-Fraktion no kessei ni tai-suru kesseigaku-teki kankei [Die serologischen Beziehungen zwischen Eiweissfraktionen der Milch u. Serum] Ibid., 183–97. ——— Kessei no zennyū narabi-ni kore wo kōsei-suru tanpakusitu kaku-Fraktion ni tai-suru kesseigaku-tekl kankei [The serological relations of serum to whole milk and to the various protein (albumin) fractions forming whole milk] Ibid., 377–93. ——— Sei-, sya-nyūzyū no syuzoku tokuisei oyobi kesseigaku-teki kankei ni tuite [Ueber die Artspezifität und die serologischen Beziehungen roher u. gekochter Milch] Ibid., 479–504. ——— Kessei oyobi nyūzyū to kakusyu zōki to no kesseigaku-teki sōgo-kankei [Die serologischen Beziehungen des Serums bzw. der Milch und verschiedener Organe] Ibid., 1229–44.

—— Agglutinin.

Wong, D. H., & Wong, A. I. H. The significance of dysentery agglutinins in the colostrum and milk. Nat. M. J. China, 1930, **16**: 673–83.

—— Agglutinin: Brucella [Abbrev.: Aggl. for agglutination]

Knödler, E. *Ueber die Brauchbarkeit verschiedener Milchseren als Ersatz des Labserums zur Aggl. auf Abortus Bang [München] 31p. 20½cm. Coburg, 1939.

Berge, R., & Ekrem, A. Frischmilch-Schnellaggl.-methode zur Feststellung von Brucella-Aggiutininen. Deut. tierärztl. Wschr., 1932, **40**: 844–6.—**Bremer, H. E.** The Brucella ring test in mixed raw milk supplies. Am. J. Pub. Health, 1950, **40**: 290–2.—**Brown, J. H.** Ring test for Brucella agglutinins in milk. Certif. Milk, 1950, **25**: No. 2, 10.—**Bruhn, P. A.** The Brucella abortus ring test. Am. J. Vet. Res., 1948, **9**: 360–9.—**Diernhofer, K.** Molken-, Milchserum- und Milchaggl. als Hilfsmittel zur Feststellung der Brucellabcsiedelung des Kuheuters. Wien. tierärztl. Mschr., 1933, **20**: 97–105.—**Gerber, L.** Beitrag zur Bang-Schnellaggl. der Milch. Ibid., 1935, **22**: 531–7.—**Gilman, H. L.** The aggl. titre of milk as an indicator of the presence of Bact. abortus in milk. J. Bact., Balt., 1931, **21**: 53.—**Hamilton, A. V., & Hardy, A. V.** The Brucella ring test; its potential value in the control of brucellosis. Am. J. Pub. Health, 1950, **40**: 321–3.—**Jimison, R. L.** Ring test for Brucella abortus. Med. Bull. U. S. Chief Surg. Europ. Theater, 1947, **2**: No. 3, 61.—**Nieland, H.** Die Abortus-Bang-Infektion der Milch und ihre Erkennung mit Hilfe der Aggl. (vergleichende Untersuchungen über Schnell- und Langsamaggl.) Berl. tierärztl. Wschr., 1934, **50**: 709–11.—**Thieulin, G., & Gely, R.** Taux différent de la lacto-aggl., vis-à-vis de Brucella abortus pour les différents quartiers de la mamelle chez la vache. C. rend. Soc. biol., 1946, **140**: 133.—**Traum, J., & Maderious, W. E.** The interpretation of whey aggl. test results in cows vaccinated with Brucella abortus strain 19. Am. J. Vet. Res., 1947, **8**: 244–6.—**Van Drimmelen, G. C.** The Brucella sbortion ring test for fresh milk. S. Afr. M. J., 1948, **22**: 765.

—— Antibodies.

György, P., Moro, E., & Witebsky, E. Milchantikörper im Serum von Säuglingen. Klin. Wschr., 1931, **10**: 821–3.—**Jundell, I.** Kvinnomjölkcns och komjölkens opsoniner. Hygiea, Stockh., 1912, **74**: 335–45.—**Marrack, J. R.** Antibodies in milk. Brit. M. Bull., 1947, **5**: 187–9.—**Moro, E.** Ueber das bakteriolytische Alexin der Milch. Zschr. exp. Path., 1907, **4**: 470–9.—**Musotto, F.** Anticorpi specifici O da iniezioni di latte. Gior. batt. immun., 1948, **38**: 331–8.—**Panichi, L., & Calcaterra, E.** Sugli anticorpi del latte. Ann. Ist. Maragliano, 1908–09, **3**: 9–11. Also Gazz. osp., 1908, **29**: 1502.—**Römer, P. H.** Ueber den Uebergang von Toxinen und Antikörpern in die Milch und ihre Uebertragung auf den Säugling durch die Verfütterung soicher Milch. In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909, 472–502.—**Schultz, C.** Verwertung der Untersuchungsergebnisse des Milchserums auf Tuberkulose-Antikörper für das Tuberkulosebekämpfungsverfahren. Deut. tierärztl. Wschr., 1935, **43**: 113.—**Strobl, A., & Wasitzky, A.** Ueber das Vorkommen von komplementbindenden Ei- und Milchantikörpern im Blutserum. Mschr. Kinderh., 1932, **52**: 95–105. Also Klin. Wschr., 1932, **11**: 289.

—— Antigenicity of milk.

Baeyer, E. Zur Kenntnis der Antigenfunktionen der Milch. Zschr. Immunforsch., 1928, **56**: 241–52.—**Cutler, O. I.** Antigenic properties of evaporated milk. J. Am. M. Ass., 1929, **92**: 964–6.—**Jadassohn, W., & Schaaf, F.** Zur Antigenanalyse der Milch. Zschr. Immunforsch., 1934, **83**: 152–6.—**Joannidès, G.** Le lait, substance anatoxigène? C. rend. Soc. biol., 1925, **93**: 1210.—**Tanaka, H.** Nyūzyū no kōgensei ni tuite [The antigenicity of milk] Hokuetu igakkai zassi, 1934, **49**: 283; passim.

—— Complement deviation.

Guthke, P. L. *Ist es möglich, durch die Komplementbindungsmethode das Frischmelkendsein von Kühen festzustellen? [Leipzig] 55p. 8° Bromberg, 1912.

Karsten. Die Verwendung der mit dem Blut- und Milchserum angesteliten Komplementbindungsreaktion bei der Durchführung des freiwilligen Tuberkulosebekämpfungsverfahrens. Deut. tierärztl. Wschr., 1935, **43**: 101–4.—**Kudicke, R., & Sachs, H.** Ueber das biologische Verhalten roher und gekochter Milch (Immunisierungs- und Komplementbindungsversuche) Zschr. Immunforsch., 1913, **20**: Orig., 316–35.—**Miyakawa, K.** Nyūzyū tanpakusitu-Fraktion no kesseigakuteki kenkyū; hotai-ketugō hannō ni yoru zikken [Serologische Studien über Milcheiweissfraktionen; Untersuchungen durch die Komplementbindungsreaktion] Jap. Zschr. Mikrob., 1937, **31**: 809–29. ——— Zennyū no nyūzyū-tanpakusitu kaku-Fraktion ni tai-suru kesseigakuteki kankei; hotai-ketugō hannō ni

yoru zikken [Experiments by means of the complement fixation on the serological relations of whole milk and protein (albumin) fractions of milk] Ibid., 1085–116.—**Pfaundler, M.** Zur Frage der Milchkomplemente. Deut. med. Wschr., 1909, **35**: 2321.—**Rautmann, H.** Ein Beitrag zur Ausbreitung der Tuberkulose im Körper des Rindes auf Grund des Zerlegungsbefundes sowie der Ergebnisse der Milchserumkomplementbindung von 200 Kühen. Zschr. Infektkr. Haustiere, 1933–34, **45**: 250–9. ——— & **Hartwigk, H.** Der Wert der Milchserum-Komplementbindung für die Feststellung der Rindertuberkulose, insbesonderer für den Nachweis der Eutertuberkulose. Ibid., 233–49.

—— Hemolysis.

Schmidt, B. H. K. *Ueber Milchhämolyse [Giessen] 76p. 8° Stuttg., 1911.

Pfaundler, M., & Moro, E. Ueber hämolytische Substanzen der Milch. Zschr. exp. Path., 1907, **4**: 451–69.—**Schern, K., & Gorli, B. E.** Como se comportan los eritrócitos de cobayo y de perro frente a las leches crudas, pasteurizadas y hervidas. Arch. Soc. biol. Montevideo, 1930, **2**: 246–9.—**Schmidt, B.** Ueber Milchhämolyse. Arch. Kinderh., 1911, **56**: 342–58.

—— Immunizing properties.

Poehl, A. Die Uebertragung der Immunität durch die Milch und das Lactalexin als therapeutisches Mittel. S. Petersb. med. Wschr., 1908, **33**: 357; passim.—**Rosenberg, J.** The value of immunized milk as a prophylactic and cure for typhoid and tuberculosis infection. N. York M. J., 1913, **98**: 718.—**Smith, E. L.** Isolation and properties of immune lactoglobulins from bovine whey. J. Biol. Chem., 1946, **165**: 665–76.

—— Precipitation and precipitin [Abbrev.: P for precipitation]

Gnosspelius, A. A simple specific P test for cow's milk. Arch. Dis. Childh., Lond., 1940, **15**: 171–6.—**Horrocks, W. H.** On the use of lactosera as a means of distinguishing goat's milk from cow's milk. J. R. Army M. Corps, 1908, **11**: 450–60.—**Jones, F. S.** The reaction of cow's milk to blood serum precipitin. J. Exp. M., 1926, **43**: 451–9.—**Mazzaracchio, V.** I sieri precipitanti depurati per saturazione; identificazione e differenzazione del latte di vacca, di pecora e di capra. Rendic. Ist. san. pubb., Roma, 1938, **1**: 544–50.—**Miyakawa, K.** Nyūzyū tanpakusitu-Fraktion no kesseigaku-teki kenkyū; tinkō hannō ni yoru zikken [Serologische Studien über Milcheiweissfraktionen; Untersuchungen durch die P-reaktion] Jap. Zschr. Mikrob., 1937, **31**: 541–64. ——— Zennyū no nyūzyū-tanpakusitu kaku-Fraktion ni tai-suru kesseigaku-teki kankei; tinkō hannō ni yoru zikken [Experiments by means of the P reaction on the serological relations of whole milk and protein (albumin) fractions of milk] Ibid., 830–52.

—— Prothrombin.

Schønheyder, F., & Thomsen, S. B. On the prothrombin content in milk. Acta physiol. scand., 1942, **4**: 309–16.

—— Serodiagnosis.

Bauer, J. Ueber biologische Milchdifferenzierung. Münch. med. Wschr., 1908, **55**: 847.—**Dehio, M.** Die Bedeutung alkohollöslicher Bestandteile für die serologische Reaktionsfähigkeit der Milch. Zschr. Immunforsch., 1931, **70**: 58–76.—**Kluge, H.** Ueber die Anwendbarkeit des Ammoniumsulfat-Grenzserums der Milch bei serologischen Untersuchungen. Zschr. Untersuch. Lebensmitt., 1936, **71**: 405–10.—**Plate, G.** Die Anwendung serologischer Methoden bei der Markenmilchuntersuchung. Deut. tierärztl. Wschr., 1934, **42**: 768–71.—**Schlossberger.** Ueber die serologische Unterscheidung verschiedener Milcharten und aus Milch dargestellter Trockenpräparate. Reichsgesundhbl., 1934, **9**: 84–7.

MILK serum.

See also **Milk product,** Cheese; **Milk serology.**

Gratz, O. Amélioration par le lavage de la crème de lait et de sérum de fromagérie. Lait, 1932, **12**: 172–81.—**Horn, D. W.** Milk and blood serum; an hypothesis. Am. J. Pharm., 1927, **99**: 330–5.

—— Analysis.

Mollenhauer, E. O. *Studien über das aus Milch hergestellte Chlorcalciumserum und über Gefrierpunktsbestimmungen der Milch [Königsberg] 112p. 8° Lpz., 1914.

Frei, W., & Lienhard, H. Untersuchungen über die Wasserstoffionenkonzentration des Chlorcalciumserums von normaler und pathologischer Kuhmilch. Biochem. Zschr., 1926, **178**: 1–27.—**Ledent, R.** Contribution à l'étude du sérum du lait. Ann. falsif., Par., 1920, **13**: 601–5.—**Matui, T., Aoki, R.** [et al.] Nyūsitu no kaizen ni tuite; nyūsei ni yoru kasui siken-hō; hu, si-nyū no nyūsitu kensa seiseki [The improvement of milk; hydrolytic examination of the whey; results of the qualitative examination of the milk on the market] Kōsei kagaku, 1941, **2**: 82–91.—**Rossi, M.** Anomalie del peso specifico, dell' indice crioscopico e refrattometrico nel siero di latte di vaccine gestanti. Ann. igiene, 1943, **53**: 15–7.

—— Beverage.

Hamann, V. Untersuchung und Beurteilung von Molkegetränken. Deut. Lebensmitt. Rdsch., 1948, **44**: 49.—**Hesse, A.** Molkengetränke. Zschr. Lebensmitteluntersuch., 1948, **88**: 499–506.

—— Chemistry and composition.

Bondioli, M. Quelques recherches sur la rélation éxistant entre l'acidité d'un sérum-lactique et son contenu microbien. Boll. Sez. ital. Soc. internaz. microb., 1931, **3**: 77.—**Daigo, K.** Kessei oyobi nyūsyō-tyū no Adrenalin syōmei-hō oyobi kore ga ōyō ni tuite no hoi [Beiträge zur Nachweismethode von Adrenalin im Serum und Milchplasma, und sein Gebrauch] Jap. Zschr. Mikrob., 1937, **31**: 1208.—**Edlbacher, S.** Vitamingehalt der Molken. Schweiz. med. Wschr., 1938, **68**: 140.—**Frazier, W. C., & Rupp, P.** Studies on the proteolytic bacteria of milk; action of proteolytic bacteria on milk serum. J. Bact., Balt., 1931, **21**: 263–71.—**Génin, G.** Séparation du lactose et des protéines solubles contenues dans le sérum du lait par extraction par l'alcool. Lait, 1939, **19**: 693–8.—**Lepri, G.** Sur un phénomène photo-chimique et un phénomène photo-catalytique dans le sérum de lait. Arch. ital. biol., 1926, **77**: 116–23.—**Siman, J.** Výroba mléčného bílku ze syrovátky. Výzkum. prům. výživ., 1948, 39.—**Wode, G.** Détermination du pH dans le jus de fromage. Lait, 1930, **10**: 1083–7.

—— Food use.

Beau, M. Sur l'utilisation des sérums de caséine et des petits laits de fromagerie. Lait, 1928, **8**: 387–93.—**Browne, H. H., & Webb, B. H.** Canned whey pudding, a new product. Food Indust., 1941, **13**: No. 11, 36–8.—**Kiger, J.** De l'emploi du lacto-sérum concentré dans la fabrication des pâtes alimentaires. Bull. Soc. sc. hyg. aliment., Par., 1944, **32**: 113–6. Also Lait, 1946, **26**: 17–21. ——— Notes complémentaires relatives à l'emploi du lactosérum concentré dans la fabrication des pâtes alimentaires. Bull. Soc. sc. hyg. aliment., Par., 1947, **35**: 266–9.—**Pien, J.** Utilisation des sérums de fromagerie et des lacto-protéines dans l'alimentation. Lait, 1943, **23**: 193–222.—**Riedel, P.** Die Molkenverwertung. Deut. Lebensmitt. Rdsch., 1947, **43**: 121–3. ——— Molken-Essig. Ibid., 1948, **44**: 57.—**Webb, B. H.** Utilization of whey in foods. Food Res., 1938, **3**: 233–8.

—— Nutritive value.

Bünger. Ensayos de alim. con los subproductos procedentes del tratamiento de la leche, particularmente con el suero. Rev. hig. san. pecuar., Madr., 1931, **21**: 695.—**Chernomordik, A. B., & Gurina, R. M.** Moloćnaia syvorotka vmesto laktozy. Hig. & san., Moskva, 1947, **12**: No. 9, 37.—**Daniel, F. K., & Harvey, E. H.** Some observations on the nutr. value of dialyzed whey solids. J. Nutrit., 1947, **33**: 429–36.—**Orrù, A.** Il valore alim. di alcuni derivati del latte; ricerche ed osservazioni sulla ricotta. Q. nutriz., Bologna, 1938, **5**: 325–48.—**Riedel, P.** Die Bedeutung der Molke für die Ernährung. Deut. Gesundhwes., 1949, **4**: 19.—**Rossi, P.** Le sérum de caséinerie et quelques sous-produits de l'industrie laitière; leurs propriétés et leur valeur alimentaire. Lait, 1930, **10**: 136; 278.

—— Production.

Pfyl, B., & Turnau, R. Ueber verbesserte Herstellung von Milchseren und ihre Anwendbarkeit zur Untersuchung der Milch. p.245–304. 8° Berl., 1912.

Arb. Gesundhamt., 1912, **40**:

Grosser, P. Ueber eine durch colloidale Ausflockung gewonnene Milchmolke. Berl. klin. Wschr., 1909, **49**: 595.—**Leithe, W., & Müller, E.** Herstellung von eiweissfreien Milchseren auf kaltem Weg. Zschr. Untersuch. Lebensmitt., 1936, **71**: 319–22.—**Ruschmann, G., Bartram, H., & Rinckleben, P.** Einsäuerung von Saft aus jungem, eiweissreichem Grünfutter unter Zusatz von Trockenmolke. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 547 (Abstr.)

—— Refractometry [Abbrev.: R for refractometry and equivalents; RC for refractive constant; RI for refractive index]

See also **Milk adulteration; Milk chemistry.**

Cothereau, A. *Etude sur la recherche du mouillage dans le lait par le réfractomètre. 96p. 8° Par., 1905.

Ackermann, E. Zum refr. Nachweis eines Wasserzusatzes zur Milch. Zschr. Untersuch. Nahrungsmltt., 1908, **16**: 586–9.—**Alpers, K.** Beiträge zur Kenntnis der Zusammensetzung und Untersuchung der Kuh- und Ziegenmilch mit besonderer Berücksichtigung der R des Chlorcalciumserums. Ibid., 1912, **23**: 497–503.—**Dobrovolsky, K. D.** Primenenie R pri sanitarnykh izsledovaniiakh voobšće i v častnosti pri kontrole za molokom. Vest. obshch. hig., 1908, **44**: 1267–82.—

Elsdon, G. D., & Stubbs, J. R. The immersion refractometer and its value in milk analysis. Analyst, Lond., 1927, **52:** 193–214. Also Spanish transl., Crón. méd. quir. Habana, 1936, **62:** 501–8.—**García, C. M.** Nota sobre un RI rápido y eliminatorio de leche. Ibid., 604–6.—**Gronover, A., & Türk, F.** Untersuchung von Milch unter Berücksichtigung ihrer Lichtbrechung. Zschr. Untersuch. Lebensmitt., 1931, **61:** 85–94.—**Gross, W.** Verwertung der Refraktion des Milchserums zur unmittelbaren Berechnung des Grades einer Milchwässerung. Arch. Hyg., Münch., 1941, **126:** 219–27.—**Henkel, T.** Beiträge zur Beurteilung der Milch auf grund der refr. Untersuchung des Milchserums. Molkereiztg, 1908, **18:** 613; 1909, **19:** 157; 169.—**Henseval, M., & Mullie, G.** La R du lait. Rev. gén. lait, 1904–05, **4:** 529–38.—**Lataix, A.** Contribution à l'étude de la R des lacto-sérums. Lait, 1929, **9:** 474; passim.—**Leithe, W.** Ein neues Schnellverfahren zur gleichzeitigen refr. Bestimmung von Milchfett und Bleiessigserum der Milch. Zschr. Untersuch. Lebensmitt., 1934, **68:** 293–7.—**Mai, C., & Rothenfusser, S.** Ueber den Nachweis von Wasserzusatz zur Milch auf refr. Wege. Zschr. Untersuch. Nahrungsmitt., 1908, **16:** 7–19. Also Rev. gén. lait, 1908–09, **7:** 217–30. ——— Zur R des Chlorcalciumserums der Milch einzelner Kühe. Zschr. Untersuch. Nahrungsmitt., 1911, **21:** 23–37.—**Panchaud, L.** Sur l'augmentation anormale de l'RI du sérum chlorocalcique des laits aigris. Lait, 1925, **5:** 777–82.—**Rangappa, K. S.** RI of milk. Current Sc., Bangalore, 1946, **15:** 230. ——— Some factors affecting the RI and constant of milk. Ibid., 1947, **16:** 28. ——— Contribution of the major constituents to the RI of milk. Nature, Lond., 1947, **160:** 719. ——— Cryoscopy and refraction in milk. Biochim. biophys. acta, Amst., 1948, **2:** 207–9. ——— Contribution of the major constituents to the total refraction in milk. Ibid., 210–6. ——— The RC of whole and skim milk. Current Sc., Bangalore, 1948, **17:** 213.—**Rothenfusser, S.** [R] der Milch mit besonderer Berücksichtigung des Bleiserums. Zschr. Untersuch. Lebensmitt., 1932, **64:** 105–14.—**Tapernoux, A.** Quelques observations concernant l'action de la solution de chlorure de calcium pour R sur les laits additionnés de carbonates alcalins. Lait, 1936, **16:** 832–40.—**Utz.** Beiträge zur refr. Untersuchung der Milch. Molkereiztg, 1906, **16:** 109; 123. ——— Verwendbarkeit von Labessenz bei der refr. Milchuntersuchung. Ibid., 424.—**Zlateff, I.** Ueber die Refraktionszahl des mit Kupfersulfat erhaltenen Serums von Büffel- und Ziegenmilch. Zschr. Fleisch & Milchhyg., 1934–35, **45:** 402–5.

—— Therapeutic use [Abbrev.: LS for lactosérum]

Hoefer, A. *Ueber Molketherapie [Halle-Wittenberg] 15p. 8° Bleicherode, 1935.

Kronfels, F. K. v. Gais, Weisbad und die Molkenkuren im Canton Appenzell. 297p. Constanz., 1826.

Arends, E. Ueber Molke und ihre Verwendungsmöglichkeiten in der Apotheke. Pharm. Ztg. Berl., 1947, **83:** 377.—**Hoffmann, K. F.** Die Molke, ein Heil- und Gesundheitsmittel. Volksgesundheit, Rastatt, 1948, No. 2, 19.—**Horváth, A.** Erfahrungen mit dem Schwellenreizmittel Lactosserin. Berl. tierärztl. Wschr., 1926, **42:** 364; 740.—**Kühl, H.** Molkenkuren. Pharm. Zhalle, 1912, **53:** 1261–3.—**Kunze, R.** Ueber Molkenkuren. Hippokrates, Stuttg., 1939, **10:** 945–53.—**Polland, R.** Ueber Molkosan-Kuren bei Hautkrankheiten. Klin. ther. Wschr., Wien, 1914, **21:** 566–9.—**Renaud, M.** Purgations par prises répétées de LS; l'application d'un principe nouveau. Bull. Acad. méd., Par., 1928, 3. ser., **100:** 854–6. ——— Le lait agent thérapeutique; principes des cures de LS. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., **52:** 801–13, pl. ——— Les indications des cures de LS et leurs résultats. Ibid., 941–8. ——— Sur l'action purgative et laxative du LS; son mécanisme; le principe des purgations hépato-duodénales. C. rend. Soc. biol., 1928, **98:** 1213. ——— Les propriétés thérapeutiques du LS et les indications de son emploi. Paris méd., 1928, **69:** 481–3. ——— Indications thérapeutiques et modes d'emploi du LS. J. méd. chir., Par., 1929, **100:** 125–33. ——— L'emploi du LS en thérapeutique. Lait, 1930, **10:** 369–81. ——— **Muller, J., & Miget, A.** Les propriétés cholagogues du LS. C. rend. Soc. biol., 1928, **98:** 1211.—**Schastin, N.** [Action of sour-milk whey on duodenal and pancreatic secretions] Vrach. delo, 1928, **11:** 958–60.—**Takeuti, K.** Molke (nyūsei) ryōhō. Therapy, Tōkyō, 1925, **2:** No. 9, 6–8.

MILK sickness.

Abbrev.: MS for milk sickness.

Syn.: Trembles.

See also **Eupatorium.**

Couch, J. F. Trembles (or MS) 11p. 8° Wash., 1933.

Forms Circ. No. 306, U. S. Dep. Agr.

Moseley, E. L. Milk sickness caused by white snakeroot. 171p. 22½cm. Bowling Green, 1941.

Bulger, H. A. MS, trembles. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, **1:** 1184.—**Marsh, C. D.** Plants cause MS and alkali disease. Nation's Health, Chic., 1926, **8:** 528; 580.—**Sybesma, R. P.** [Calcium chloride treatment in MS] Tschr. diergeneesk., 1929, **56:** 814–8.

—— canine.

Brooksbank, N. H. MS in small bitches. Vet. Rec., Lond., 1932, **12:** 417.—**Fabbretti, C.** Di una singolare causa di zoppicatura nel cane. Nuovo ercolani, 1922, **27:** 44.

—— human.

See also **Milk poisoning.**

Angle, G. K. Clinical report of five cases of MS. J. N. Mexico M. Soc., 1908–09, **4:** 4–7.—**Beck, F. P., & Beck, V.** [MS]; report of a case. Chicago Clinic, 1905, **18:** 249.—**Bulger, H. A., Smith, F. M., & Steinmeyer, A.** [MS] and the metabolic disturbances in white snake-root poisoning. J. Am. M. Ass., 1928, **91:** 1964–6.—**Couch, J. F.** [MS], the result of richweed poisoning. Ibid., 234–6. ——— Trembles, MS, produced by toxic butter. Vet. Med., Chic., 1941, **36:** 244.—**Culpepper, M. B.** [MS] erroneously called alkali poisoning. Southwest. M., 1926, **10:** 391–3.—**Cutler, J. T.** Studies in experimental trembles or MS. J. Tennessee Acad. Sc., 1934, **9:** 1–7.—**Doyle, J. T.** [MS] North Carolina M. J., 1947, **8:** 404–10.—**Gowen, G. H.** [MS] Illinois M. J., 1938, **74:** 447–52.—**Hansen, A. A.** Relation of white snakeroot to human MS (field studies) J. Indiana M. Ass., 1927, **20:** 182–7.—**Hardin, R. H.** [MS] Virginia M. Month, 1934, **61:** 528–31.—**Hull, T. G.** [MS] In his Dis. Transm. Animals to Man, 3. ed., Springf., 1947, 281–8, illust.—**Jordan, E. O., & Harris, N. M.** The cause of MS or trembles [Bacillus lactimorbi] J. Am. M. Ass., 1908, **50:** 1665–73. ——— [MS] Tr. Chicago Path. Soc., 1907–09, **7:** 203–9.—**Knight, H. W.** [MS] due to white snake root (Eupatorium urticaefolium) South. M. & S., 1935, **97:** 142–4.—**Lambert, C. F.** [MS] Ibid., 1937, **99:** 165.—**McCoy, G. N.** MS. Bull. U. S. Hyg. Laborat., 1908, No. 41, 211–9.—**Milam, D. F.** [MS] in North Carolina. South. M. & S., 1934, **96:** 278.—**Reagan, J. A.** Milk sick and MS. Tr. M. Soc. N. Carolina, 1908, **55:** 467–70. **Also** Charlotte M. J., 1908, **58:** 319.—**Richardson, W. P.** The MS or trembles; report of five cases. South. M. & S., 1931, **43:** 731.—**Rony, H. R.** A moléstia do leite. Resenha clín. cient., S. Paulo, 1949, **18:** 371–3. ——— MS; an adventure in diagnosis. Q. Chicago M. School, 1949–50, **11:** 21–4.—**Simmons, J. S.** Milk sickness. In: Oxford Med. (Christian, H. A.) N. Y., **5:** 1940, 258(17)–258(29)—**Stenn, F.** The pioneer history of MS. Ann. M. Hist., 1937, **9:** 23–9.—**Walsh, W. E.** [MS] Illinois M. J., 1930, **58:** 454–7.—**Zerfas, L. C.** [MS] and the Lincoln family. J. Indiana M. Ass., 1936, **29:** 88.

—— ovine.

Bertrand, I., Carré, H., & Lucam, F. La tremblante du mouton. Ann. anat. path., Par., 1937, **14:** 565–86. Also Rec. méd. vét., 1937, **113:** 586–603.—**Cuillé, J., & Chelle, P. L.** La tremblante du mouton est-elle déterminée par un virus filtrable? C. rend. Acad. sc., 1938, **206:** 1687.

MILK (sour)

Abbrev.: LA for lait aigre; lait acidifié, leche ácida, etc.; SM for sour milk, Sauermilch and equivalents.

See also **Milk (fermented) Milk modification,** Citrated milk.

Metchnikoff, E. I. I. Quelques remarques sur le LA. 30p. 12° Par., 1906.

Alarçon, A. G. [LA] Prensa méd. mex., 1941, **6:** 69–71.—**Araki, T.** [To the question of the formation of SM in the animal organism] Ityō-byō kenkyūkai kaihō, 1900–01, **2:** 410–20.—**Haim, L.** The question of SM. N. York M. J., 1908, **87:** 544–8.—**Hewlett, R. T.** [SM] Lancet, Lond., 1910, 676.—**MacKee, G. M.** The SM question. Diet. & Hyg. Gaz., N. Y., 1908, **24:** 391–8. ——— The practical value of SM. N. York State J. M., 1908, **8:** 475–9.—**Pernetta, C.** Misturas butiricas e LA. Rev. med. Bahia, 1941, **9:** 203–16.—**Piffard, H. G.** A study of SM-s. N. York M. J., 1908, **87:** 1–9, 2pl.

—— Analysis.

Wahlmann, H. *Physikalisch-chemische Beziehungen zwischen Frauenmilch und SM beziehungsweise sauren Milchnahrungen; ein Beitrag zur Ernährungsphysiologie. 23p. 8° Münch., 1934.

Evans, H. J. The estimation of the original freezing-point of SM. Analyst, Lond., 1936, **61:** 666–70.—**Macdonald, F. J.** The analysis of SM. Ibid., 1944, **69:** 173–6. ——— Determination of the original freezing-point of SM. Ibid., 1945, **70:** 323–6.—**Pyne, G. T., & Ryan, J. J.** Investigations on a molecular constant for SM. Sc. Proc. R. Dublin Soc., 1937, **21:** 581–6. ——— A molecular constant for SM; effect of preservatives. Ibid., 1940, **22:** 283–5.—**Ryan, J. J.** A molecular constant for SM; very old samples. Ibid., 1943–44, **23:** 271.

—— Bacteria.

Schuppener, A. *Ueber die Lebensdauer der Tuberkelbazillen in SM. p.180–3. 8° Giessen, 1937.
Also Zbl. Bakt., 1937, **139**:

Solakian, S. *Les LA et leurs bacilles. 55p. 8° Par., 1935.

Düggeli, M. Die Mikroflora der SM-arten und deren Verwendung. Schweiz. Zschr. allg. Path. 1938, **1**: 273–312.—**Hewlett, R. T.** The bacteriology of SM. Brit. M. J., 1910, **2**: 1584–6.—**Honda, Y.** Die bakteriologischen Beobachtungen über die SM in der inneren Mongolei; die SM in der inneren Mongolei, insbesondere ihre ethnologischen Beobachtungen. J. Orient. M., Dairen, 1938, **28**: 71. —— Ueber die biologischen Eigenschaften der isolierten Stämme. Ibid., 73.—**Kliewe, H., & Hsü, M.** Ueber die Ursache des Absterbens von Typhusbazillen in SM. Deut. med. Wschr., 1935, **61**: 1154.—**Kliewe, H., & Schuppener, A.** Ueber die Lebensdauer der Tuberkelbazillen in SM. Zbl. Bakt., 1. Abt., 1937, **139**: 180–3.—**Makrinov, I. A.** [Methods for determination of microbes in SM] Arkh. biol. nauk, 1925, **24**: 217–30.—**Mattick, A. T. R., & Hirsch, A.** SM and the tubercle bacillus. Lancet, Lond., 1946, **1**: 417.—**Orla-Jensen, A. D., & Hansen, P. A.** The bacteriological flora of spontaneously SM and of commercial starters for butter making. Zbl. Bakt., 2.Abt., 1932, **86**: 6–29.—**Orla-Jensen, S., & Sadler, W.** Bakteriologische Untersuchung über das isländische SM-präparat Skyr. Ibid., 1940, **102**: 260.

—— Bifidus milk.

Mayer, J. B. Entwicklung einer neuen Säuglingsnahrung mit Thermobacterium bifidum; ein Beitrag zum Problem der SM-nahrung. p.293–345. 24½cm. Berl., 1948.
In: Zschr. Kinderh., 1947–48, **65**:

Budiansky, E. Da significação da flora bifida no lactente; o leite de Bessau. Arch. pediat. Uruguay, 1943, **14**: 763–73.

—— Buttermilk.

See under **Milk (fermented)**

—— Chemistry and composition.

Van Slyke, L. L., & Hart, E. B. Chemical changes in the souring of milk and their relations to cottage cheese. 38p. 8° Geneva, 1904.
Forms Bull. No. 245, N. Y. Agr. Exp. Sta.

Caló, A. La refractometría de la LA. Unidad san., Caracas, 1945, **4**: 164–8.—**Stewart, A. D., & Chatterjee, N. K.** Note on the determination of the nitrogen in SM as a subsidiary standard of purity. Ind. M. Gaz., 1931, **66**: 320–2.—**Waisman, S., G., & Soriano, A. M. de.** Transformaciones químicas y bacteriológicas de la LA durante su conservación. Rev. As. argent. diet., 1943, **1**: 255–65.

—— Food use.

Boutet, L. A. R. *Contribution à l'étude du vinaigre de lait [Bordeaux] 80p. 8° Ruffec, 1914.

Kleeberg, J., & Behrendt, H. Die Nährpräparate mit besonderer Berücksichtigung der SM-arten. 346p. 8° Stuttg., 1930.

Filadeau, G., & Vitoux. Le vinaigre de lait. Ann. falsif., Par., 1909, **2**: 278–80.—**Huzinami, R.** San-kō gyūnyū no iti riyō-hō [A method of utilization of SM] Sanitation, Tokyo, 1948, **1**: 33.—**Orla-Jensen, S.** SM-produkter. Nord. med., 1943, **17**: 253–6.

—— Gastrointestinal effect.

Bogoljubov, O. Kisloe moloko, kak odno iz sredstv borby so starostju i novyj sposob ego prigotovlenija. 48p. 8° Moskva, 1907.

Knauer, F. Die SM alse in Mittel zur Erhaltung der Gesundheit und Verlängerung des Lebens. 26p. 8° Tachau, 1912[?]

Román, J. [The antagonistic effect of the microflora of SM upon pathogenic microorganisms] Magy. orv. arch., 1939, **40**: 183–94.—**Wejnert, B.** O zmianie ilości bakteryi w kale pod wpływem stosowania w lewatywach i w dyecie mleka kwaśnego zwyklego oraz sporządzonego sposobem Miecznikowa. Przegl. lek., 1907, **46**: 303; passim.

—— Lactic acid milk.

Metzenheim, O. R. W. *Milchsäuremilch als Ersatz für Holländische Säuglingsnahrung. 8p. 8° Greifsw., 1932.

Morgan, S. F. *Lactic acid milk in infant feeding, with clinical observations [Milwaukee Hospital] 16 l. 28cm. Milwaukee, 1927.

Butler, L. J. Use of whole lactic acid milk in feeding underweight children under one year of age. Tr. M. Soc. N. Carolina, 1924, **71**: 273–6.—**Haas, J. H. de.** Lactic acid milk in the tropics. Ind. J. Pediat., 1939, **6**: 108–11.—**Hondelink-van Voorthuijzen, H. W.** Over de beteekenis van melkzure en citroenzure melk als zuigelingenvoeding. Tschr. prakt. verlosk. 1933–34, **37**: 235–7.

—— Nutritive value.

Dirand, M. G. C. *Le lait entier acidifié; son emploi chez le nourrisson sain et le nourrisson malade. 163p. 24cm. Par., 1943.

Blackham, R. J. Acid milks in health and disease. J. State M., Lond., 1930, **38**: 587–93.—**Bohn, A.** L'emploi de LA dans la diététique du premier âge. Ann. méd. chir., Par., 1937, **2**: 45–8.—**Feer, E.** El valor de las LA en la alimentación del lactante. Día méd., B. Air., 1948, **20**: 1597.—**Fernández Jiménez, A., & Soto, J.** La leche de vaca acidificada en la alim. del lactante. Med. españ., 1947, **10**: 480–2.—**Garot, L.** Un nouvel aliment de régime pour les nourrissons; le lait entier acidifié. Rev. belge puéricult., 1936, **1**: 7–18.—**Hd.** Die SM-arten in der Nahrung der Völker und in der modernen Medizin. Praxis, Bern, 1939, **28**: 747–50.—**Luis-Yagüe y Espinosa, J.** Las LA en la dietética de adultos rurales. Práct. méd., Madr., 1948, **6**: No. 66, 41.—**Maccarini, H.** La LA hipergrasosa en la primera infancia. Día méd., B. Air., 1936, **8**: 1009, &c.—**Marfan, A. B.** Sur l'emploi des LA dans l'alim. des enfants du premier âge. Nourrisson, 1941, **29**: 31–41.—**Mégevand, J., & Riederer, V.** Säurevollmilchernährung im Säuglingsalter. Schweiz. med. Wschr., 1943, **73**: 334–8.—**Naessens, W. M.** SM voor zuigelingen. Ned. tschr. geneesk., 1941, **85**: 4708–10.—**Navarro Hidalgo, A.** Las LA en la alim. infantil; su problema en México. Mem. Congr. mex. pediat., 1938, 1. Congr., 457–81.—**Nitti, R.** Il latte intero acidificato nell'alim. del lattante. Lattante, 1948, **19**: 163–73.—**Pikler, L.** Raisons de l'acidif. des alim. lactés infantiles; contribution au mode d'action des LA. Lait, 1938, **18**: 1033–41.—**Püschel, E.** Ueber die Verweildauer von gesäuerter Vollmilch im Magen und Darm bei Säuglingen bzw. Frühgeburten. Arch. Kinderh., 1944, **132**: 162–9.—**Thoenes, F.** Ueber den Einfluss SM-mischungen auf die chemische Zusammensetzung des wachsenden Hundeorganismus. Jahrb. Kinderh., 1930, 3.F., **78**: 155–60.—**Weiss, S.** Ueber den Wert der SM als Nahrungsmittel. Oesterr. Arzt, 1936, **3**: 189.

—— Production.

Belonovsky, G. K voprosu o skisanii moloka. Protok. zased. Obshch. morsk. vrach. Kronstadt. (1904–05) 1907, **42**: No. 2, 83–8.—**Laxa, O.** L'acidification prolongée du petit-lait. Lait, 1932, **12**: 613–6.—**Merrien, E.** Essai sur l'étude de l'acidification du lait par le ferment thibétain. Rev. path. comp., Par., 1935, **35**: 1168–72.—**Preparation** (The) of SM. Brit. M. J., 1910, **1**: 886.—**Rangappa, K. S.** The effect of processing and SM by the indigenous method. Current Sc., Bangalore, 1946, **15**: 251. Also Ind. M. Gaz., 1947, **82**: 320–2.—**Schmidt, P. W.** Die theoretische Grundlage der Salzsäuremilchbehandlung. Zbl. Haut Geschlkr., 1949–50, **74**: 35.

—— Skimmed milk.

Donis, M. H. LA y descremada. Medicina, Méx., 1931, **11**: 895–907.—**Saldún, M. L.** Sobre la leche descremada ácida. Arch. pediat. Uruguay, 1930, **1**: 54.

—— Therapeutic use.

Cavalcanti, J. R. O emprego de LA em pediatria. Rev. méd. Pernambuco, 1936, **6**: 97–101.—**Derx, H. G.** Préparation et emploi thérapeutique de LA sous les tropiques. Rep. Internat. Congr. Microb. (1947) 1949, 4. Congr., 501.—**Emerson, H.** Therapeutic use of SM. N. York M. J., 1908, **87**: 245.—**Hoffmann, S.** Die hygienisch-diätetische Bedeutung der verschiedenen SM-produkte. Gesundheit, Zür., 1945, **25**: 178–83.—**Kellogg, J. H.** The SM cure. Good Health, 1936, **71**: 326–9.—**Mora, J.** LA y su importancia en pediatría. Actual. méd., Granada, 1945, **31**: 672–5.—**Osuna Jiménez, J. M.** La LA, medio práctico de lucha contra los trastornas nutritivos en el medio benéficio rural. Med. ibera, 1934, **28**: pt 2, 389–93.—**Penrose, C. A.** A review of the theories and facts underlying the treatment of disease by SM cultures. Maryland M. J., 1915, **58**: 53–72.—**Rothman, B., Díaz, H., & Falabella, E.** El uso de las LA y acidificadas en la alim. de los enfermos. Rev. As. argent. diet., 1944, **2**: 22–36.—**Takuma, T., & Nakazima, H.** Nyūzi geri ni tai-suru sanpal-nyū no ōyō [The use of SM in treatment of infantile diarrhea] Tiryo & syoho, 1944, **25**: 103–6.

—— Types.

Murtagh, J. J. *La LA hipergrasosa; su empleo en la alim. infantil. 108p. 23cm. B. Air., 1931.

Gaing, E. Ueberfette SM. Deut. med. Wschr., 1934, **60**: 645.—**Mathieu, R.** Le LA de Marriott. J. méd. chir., Par.,

1938, **109**: 4–21.—**Matthiasson, S.** [Skyr] Ugeskr. laeger, 1935, **97**: 1046–9.—**Oropeza, P.** La LA de Marriot. Pediat. Américas, Méx., 1945, **3**: 488–91.—**Pedraza M., H.** LA caseosa. Rev. Fac. med., Bogotá, 1934–35, **3**: 321–3.—**Velasco Blanco, L., Fuks, D., & Lauers, R.** LA y acidificadas. Arch. amer. med., B. Air., 1937, **13**: 1–12.

MILK-STAIN.

Bittencourt de Abreu, A. *Contribuição ao estudo medico-legal das manchas de leite e colostrum. 22p. 8° São Paulo, 1928.

Litvin, A., & Ferrer Zanchi, A. Reacciones químicas y bioquímicas para investigar manchas de leche y de colostro. Rev. As. méd. argent., 1945, **59**: 1376–80.

MILK sterilization [incl. disinfection]

Abbrev.: MS milk sterilization and equivalents; SL stérilisation du lait, and equivalents; SM sterilization of milk.

See also **Milk modification** subheadings (Boiled milk; Heated milk; Homogenized milk) **Milk pasteurization; Milk purification.**

Tjaden, H. Sterilisierung und Pasteurisierung. p.651–735. 26½cm. Wiesb., 1909.
In: Handb. Milchk. (Sommerfeld, P.)

Voigt, A. R. W. *Die MS in ihrer gesundheitlichen Bedeutung und praktischen Ausführung. 76p. 8° Lpz., 1906.

—— Methods.

Scemama, I. J. *Contribution à l'étude des divers procédés de conservation et de SL. 111p. 8° Montpel., 1904.

Ameye, C. Perfectionnements aux systèmes actuels de stérilisation et de pasteurisation du lait. Hyg. viande, 1912, **6**: 129–36.—**Fouassier, M.** Technique d'obtention au laboratoire de lait écrémé et stérilisé. Lait, 1932, **12**: 68.—**Gelder, R. H. van.** [Means of MS] Tschr. diergeneesk., 1930. **57**: 215–31.—**Heryng, T.** Nawa metoda wyjaławania mleka z zachowaniem jego zaczynów i ciał ochronnych. Zdrowie, Warsz., 1903, **24**: 763–6. Also Novoe v med., 1909, **3**: 46–60. Also Tr. Vseross. Otolar. Sjezda, 1909, **1**: 184–7. Also C. rend. Soc. biol., 1910, **68**: 668.—**Kuntze, W.** Gewinnung keimarmer Milch. Zbl. Bakt., 2. Abt., 1908, **20**: 420–43.—**Prucha, M. J.** Carbonation of dairy products. Sc. Month., 1932, **35**: 57.—**Schaffer.** Etude de deux procédés proposés pour la SL. Ann. hyg., Par., 1949, **27**: 207–18.—**Scurfield, H.** The West country method of rendering milk safe from tubercle. Med. Off., Lond., 1925, **34**: 43.

—— Methods, chemical.

See also **Milk pasteurization** subheadings (Hydrogen peroxide; Oxygen treatment)

Arrarte, E. Acción del negro animal sobre el caldo glicerinado estéril, a 37°, bajo el punto de vista de los gérmenes banales, y su valor como agente de SL. Prensa méd. argent., 1915–16, **2**: 299. ——— Acción del negro animal sobre el caldo glicerinado y su valor como agente de SL. Rev. méd. Uruguay, 1916, **7**: 112–21.—**Engel, C. S.** Was ist von der Formalinmilch zu halten? Zschr. ärztl. Fortbild., 1905, **2**: 13.—**Frontini, S.** Sul valore dell'acido carbonico nella SL. Atti Congr. pediat. ital. (1905) 1906, **5**: 357–60.—**Ramon, G., Debré, R.** [et al.] Action synergique de l'aldéhyde formique et de la chaleur sur la teneur du lait en germes microbiens. C. rend. Acad. sc., 1945, **220**: 635–7.—**Romani, B., & Previtera, A.** Ricerca biologica degli antisettici nel latte. Igiene mod., 1942, **35**: 177–84.—**Van Slyke, L. L., & Bosworth, A. W.** Carbonated milk. Science, 1906, n. ser., **23**: 712.

—— Methods, physical.

See also subheadings of **Milk modification**; also **Milk processing.**

Delvallez, A. E. H. *Etude critique et expérimentale sur les divers procédés domestiques de SL par la chaleur. 131p. 8° Par., 1906.

Marfan, A. B. SL par la chaleur; stérilisation absolue, pasteurisation, ébullition, chauffage au bain Marie à 100°. Nourrisson, 1916, **4**: 129–54.—**Robin.** Technique de la SL; obtention de températures constantes et d'un produit de condition uniforme. Lait, 1927, **7**: 41.—**Schreiber, G., & Cronfalt, R.** La SL dans les gouttes de lait; stérilisation industrielle, soxhlétisation ou autoclave? Clinique, Par., 1923, **18**: 300.

MILK (sterilized)

Abbrev.: LS for lait stérilisé and equivalents; SM for sterilized milk, and equivalents.

See also **Milk (pasteurized)**

Bresset & Carel, A. Lait cru et LS. Méd. prat., Par., 1907; **3**: 485.—**Ferreira, C.** Le LS, à la lumière des études et des recherches récentes. Arch. lat.-amer. pediat., B. Air., 1905, **1**: 165–83.—**Helbig.** Zur Geschichte der keimfreien Milch. Pharm. Zhalle, 1910, **51**: 1051–3.—**Knüsel, O.** Studien über die sogenannte SM des Handels. Zschr. Fleisch Milchhyg., 1908, **18**: 149.—**Lorenzola, F.** Sull'uso del LS e omogeneizzato da parte del R. Esercito in Albania. Igiene mod., 1941, **34**: 272–4.—**Müller, K.** Untersuchungen über sterilisierte, Backhaus-, Enzyma- und Uviol-Milch. Zbl. Bakt., 2.Abt., 1916–17, **47**: 385–408.—**Pellet.** Contribution à l'étude du LS. Lait, 1928, **8**: 13; 108.—**Shelmerdine, A.** The distribution and sale of humanized and SM. J. Prev. M., Lond., 1905, **13**: 349–58.—**Schulze, G.** Untersuchung einer 27 Jahre alten SM. Zschr. Untersuch. Lebensmitt., 1926, **52**: 380–4.

—— Bacteria.

Knusel, O. *Studien über die sogenannte SM des Handels; ein Beitrag zur Biologie der peptonisierenden Milchbakterien [Zürich] 79p. 8° Berl., 1908.
Also Zschr. Fleisch. Milchhyg., 1908, **20**: 420–43.

Fynn, E. Estudio sobre la presencia de formas evolutivas en la LS; su semejanza con elementos histológicos de la sangre; poder bactericida de la leche. Sem. méd., B. Air., 1906, **13**: 1210–6.

—— Changes.

Delvallez, A. Influence des divers procédés de stérilisation du lait par la chaleur sur sa composition chimique. Pratique jour., 1905–06, **6**: 353; 369.—**Fridericia, L. S.** Influence of the Jonas Nielsen sterilizing process on the A-vitamin-content of milk. Physiol. Papers (A. Krogh), Kbh., 1926, 40–6. Also Medd. Hyg. inst. Univ. Københavh (1924–27) 1928, **4**: No. 10, 40–6.—**Giolitti, G.** Intorno all'azione dell'acqua ossigenata ad elevata concentrazione sui costituenti chimici del latte. Clin. ver., Milano, 1949, **72**: 353–8.—**Gorini, C.** Il latte disgenetico. Gazz. osp., 1928, **49**: 455–7. ——— Une affirmation inexacte de Bogdanoff à propos de mes recherches sur le LS à haute température. Lait, 1933, **13**: 950–2.—**Guittonneau, G., & Bejambes, M.** Sur l'entraînement mécanique, dans les laits chauffés, des phosphates enrobant la surface des cellules bactériennes; rupture de l'équilibre phosphatique dans les laits microbiens stérilisés. C. rend. Acad. sc., 1940, **210**: 612–5. ——— Sur la rupture de l'équilibre phosphatique dans les laits microbiens fortement chauffés; cas des LS. Lait, 1941, **21**: 140–9.—**Marinelli, G.** Azione coagulante del B. coli e del B. lactis aërogenes sul LS a diverse temperature. Diagn. tecn. laborat., Nap., 1940, **11**: 231–4.

—— Contamination.

Brunon, R. Le lait de vache stérilisé; sa valeur nutritive. Bull. Acad. méd., Par., 1905, 3. ser., **53**: 396–9.—**Olea, G.** La presencia del plomo en la LS. Rev. san. mil., Madr., 1918, 3. ser., **8**: 752.—**Phyl, B.** Uebergang von Kieselsäure in die Milch beim Sterilisieren in Glasflaschen. Molkereiztg, 1915, **25**: 177.

—— Nutritive value.

Aehle, H. Ueber den Einfluss autoklavierter Milch auf Fortpflanzungsfähigkeit und Grundumsatz (Tierversuche) Mschr. Kinderh., 1934, **62**: 44–6.—**Aviragnet, E. C., & Péhu, M.** De la valeur relative du LS, pasteurisé, cru et desséché au point de vue alim. Rev. hyg. méd. inf., 1909, 8: 250–61.—**Brunon, R.** Le lait de vache stérilisé; sa valeur nutritive. Normandie méd., 1905, **20**: 233; 1906, **21**: 129; 147.—**Channon, H. A., & Channon, H. J.** The influence of raw and SM on growth and reproduction in rats. J. Hyg., Lond., 1936, **36**: 173–81.—**Gibson, R. B., & Concepción, I.** The influence of fresh and autoclaved cows' milk on the development of neuritis in animals. Philippine J. Sc., 1916, **11**: Sec. B., 119–31, 2 pl.—**Ulecia y Cardona, R.** Valor nutr. de la LS. Rev. med. cir. práct., Madr., 1908, **78**: 89–101.

MILK storage.

See also **Milk care.**

Mitchell, O. W. H., & Hannett, G. E. An investigation of methods of storing and dispensing milk and the value of a practical scoring system. Am. J. Pub. Health, 1915, **5**: 1242–5.—New method of keeping milk. J. Am. M. Ass., 1939, **113**: 520.

—— Changes of milk.

Schorer, E. H. Experimental studies on milk; with especial reference to the uniformity of different grades of milk, and the effects of storage upon certified, inspected, and pasteurized

milks based upon daily observations of samples covering a period of ten months. J. Infect. Dis., 1912, **2**: 295–337.—**Tanon, L.** Sur un procédé destiné à empêcher la tourne du lait. Bull. Acad. méd., Par., 1945, **129**: 315–7.—**Tuley, H. E.** Bacteria in milk increased by retention in thermos bottle. Kentucky M. J., 1908–09, **7**: 502.

—— Keeping quality of milk. [Abbrev.: KQ for keeping quality, or property, of milk]

Baker, J. C., & Van Slyke, L. L. A method for the determination of the KQ. J. Biol. Chem., 1919, **40**: 373–82.—**Barkworth, H.** KQ and the age on testing for total bacterial count. J. Hyg., Lond., 1931, **31**: 373.—**Conn, H. W.** The relation of temperature to the KQ. Brit. Food J., 1905, **7**: 5.—**Cooledge, L. H., & Wyant, R. W.** Judging the KQ by a Ph method. Am. J. Pub. Health, 1920, **10**: 978.—**Fuller, J. M., DePew, H. F., & Huggins, D. E.** A simple method for determining the KQ. Circ. N. Hampshire Agr. Exp. Sta., 1924, No. 23, 1–12.—**Truffert, L.** Du danger de l'emploi de matériel en fer galvanisé pour la manutention du lait. Ann. falsif., Par., 1949, **42**: 151–61.

MILK substitute.

See also **Milk modification; Milk nutrition,** Pathological effect: Allergy; **Milk (vegetable)**

Niederwieser, V. Ueber die Verwendung von Calzamyl zur Herstellung von Säuglingsmilch. Oesterr. Zschr. Kinderh., 1948–49, **2**: 257–62.—**Parker, G.** Milk substitutes for the sick. Brit. M. J., 1918, **1**: 53. ——— Milk substitutes. Ibid., 736.—**Renaux, E.** Crème et lait ersatz. J. pharm. Belgique, 1932, **14**: 78.—**Siegl, J.** Zur Herstellung der Calcia-Milch mit Maizena. Arch. Kinderh., 1943, **128**: 163–7.—**Takuma, T., & Iwazawa, T.** Syakan-hun wo motiita iwayuru daiyō-nyū [The so-called substitute milk made of boiled and dried powdered sardines] Sindan & tiryō, 1948, **36**: 21–4.—**Tama, T., & Saitō, T.** San-yō tanpaku-hun wo motiita iwayuru daiyō-nyū [The protein of powdered silkworm chrysalides used as a substitute for milk] Tiryō, 1947, **29**: 273–7.—**Whittaker, H. A.** A synthetic milk medium. Am. J. Pub. Health, 1912, **2**: 162.

MILK sugar.

See **Galactose; Lactose.**

MILK supply.

Abbrev.: A for approvisionnement, or abastacimiento, and equivalents; AL for approvisionnement en (du) lait and equivalents; FL for fornitura di latte; MV for Milchversorgung, or melkvoorziening, and equivalents; MS for milk supply; S for supply.

See also **Milk composition; Milk control.**

—— Effect of environment, and weather.

Bruce, A. A tropical MS. Analyst, Lond., 1922, **48**: 288–94.—**Gordon, W.** Prevalent rain-bearing winds and the MS of Manchester during the years 1896–1909. Brit. M. J., 1911, **1**: 482–5.—**Public** milk and water supplies affected by recent storms. Health News, Albany, 1943, **20**: 13.—**Spearman, B.** A pure MS in the tropics. Kenya M. J., 1926, **3**: 51–5.

—— Improvement.

See also **Milk sanitation;** also subheading (metropolitan)

Blackburn, W. J. A plea for a better MS. Proc. Homeop. M. Soc. Ohio, 1908, **44**: 149–53.—**Blodgett, S. H.** Some suggestions for improving milk for the municipal S. N. England M. Gaz., 1914, **49**: 237–50.—**Cumming, H. S.** The Pan American Sanitary Bureau and its cooperative work in the improvement of MS. J. Milk Techn., 1940, **3**: 105–8.—**Estes, H. R.** Report of committee on methods of improving MS in small communities. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 164–70.—**Evans, W. A.** Improvement of the MS. Proc. Am. Vet. M. Ass. (1913) 1914, 308–23.—**Greig, R. B.** The improvement of the MS. J. State M., Lond., 1915, **23**: 161–70.—**Kitchen, J. M. W.** Reporting progress relating to improving the milk and butter S. Med. Rec., N. Y., 1920, **98**: 486.—**Mack, M. J., Babcock, C. J.** [et al.] Improving the quality of MS in small communities. Am. J. Pub. Health, 1941, **31**: No. 3, Suppl., 109–13.—**Porcher, C.** De l'action médicale dans l'amélioration de la qualité du lait consommé dans les villes; influence des sociétés de médecins. Bull. Soc. méd. hôp., Lyon, 1908, **7**: 49–56. Also Lyon méd., 1908, **110**: 436–43.—**Savage, W. G.** Improvements in the MS. Med. Off., Lond., 1923, **29**: 125–7.—**Williams, R. S.** The call for an improved MS. Lancet, Lond., 1920, **2**: 869.

—— metropolitan.

Beau, M. L'approvisionnement en lait des grandes villes. p.530–634. 25cm. Par., 1907. Rev. hyg. méd. inf., Par., 1907, **6**:

Visme, P. de. *La question du lait dans les grandes villes, en vue d'assurer à la consommation un lait naturel. 46p. 8° Montpel., 1908.

Arnaud, F. W. F., & Russell, E. Notes on the MS of two large towns. Analyst, Lond., 1910, **35**: 8–11.—**Black, R. A.** A sanitary MS for cities from a medical standpoint. Illinois M. J., 1911, **19**: 436–40.—**Borinski, P.** Neue und alte Probleme der grosstädtischen MV. Arch. sozial. Hyg., 1925–26, n. F., **1**: 109–15.—**Breed, R. S.** The milk problem in cities. Health News, Rochester, 1923, n. ser., **18**: 84–90.—**Cimmino, A.** AL dei grandi centri urbani. Forze san., Roma, 1940, **9**: No. 14, 7–13.—**Clevisch, A.** Etude comparative sur l'AL dans les villes du monde. Lait, 1925, **5**: 359–67. Also Zschr. Fleisch Milchhyg., 1925–26, **36**: 180; 198.—**Ensch.** L'alim. en lait des grandes villes. Méd. & hyg., Brux., 1906, **4**: 283; 1907, **5**: 17; passim. Also Mouvement hyg., Brux., 1907, **23**: 46–52.—**Feeser.** Zur MV der Städte. Zschr. Fleisch Milchhyg., 1925–26, **36**: 360–3.—**Fiorentini, A.** Un viaggio all'estero per lo studio della FL sano ai grandi centri. Gior. Soc. ital. igiene, 1908, **30**: 308–17.—**Fischer, A.** Neuzeitliche städtische MV. Techn. Gemeindebl., 1925–26, **28**: 225–9.—**Fouassier, M.** Un aperçu sur le ravitaillement en lait des grands centres urbains. Rev. hyg., Par., 1935, **57**: 274–8.—**Friedel.** Rohe oder bearbeitete Milch für die Versorgung grösserer Gemeinden. Mschr. Kinderh., 1918–19, **15**: Orig., 609–14.—**Geluk, J. A.** [MS in large cities] Tschr. sociale hyg., 1923, **25**: 177–85.—**Gizelt, A.** Zaopatrywanie miast w mleko. Przegl. hyg., 1906, **5**: 57; 94; 144.—**Gómez de Rosas, N.** Plan de AL desde el punto de vista sanitario para una población de mas de 20,000 habitantes. Actas Congr. méd. nac., Habana, 3. Congr., 1914, **2**: 366–99.—**Grimm.** Ueber die MV der Städte; welche hygienischen Massnahmen sind dabei wünschenswert? Vjschr. gerichtl. Med., 1911, 3. F., **42**: 389–421.—**Harding, H. A.** The development of city MS problems. Univ. Wisconsin Stud. Sc., 1921, No. 2, 29–54.—**Harrington, C.** The problem of city MS. Rep. Am. Pub. Health Ass. (1906) 1907, **32**: pt 1, 153–9.—**Heuser, G.** Die Versorgung der Städte mit gesundheitlich einwandfreier Milch. Zschr. Untersuch. Lebensmitt., 1926, **51**: 114–9.—**Hollingworth, W. G.** The MS of cities. Am. Vet. Rev., 1906–07, **30**: 1179–86.—**Kothavalla, Z. R.** Improving the MS of towns. Ind. Vet. J., 1947–48, **24**: 391–8.—**Lane, C. B.** Modern methods of improving the MS of cities. N. York M. J., 1907, **85**: 1029–34.—**Moll van Charante, G. H.** Le lait et l'A d'une grande ville (transl.) Lait, 1926, **6**: 477; 579.—**Monjarás, J. F.** AL en las grandes poblaciones. Gac. méd. México, 1915, 3. ser., **10**: 317–20.—**Nicolas, E. & Porcher, C.** De la municipalisation du lait. Hyg. viande, 1907, **1**: 251–9; 303.—**Nottbohm, F. E.** Die Versorgung der Städte mit vollwertiger Milch. Zschr. Untersuch. Lebensmitt., 1927, **54**: 201–14.—**Peset Aleixandre, T.** AL en el medio urbano. Actas Congr. nac. san., Madr. (1934) 1935, 1. Congr., **3**: 98–102.—**Pillai, P. R.** City MS. Ind. M. J., 1934, **28**: 134–6.—**Porcher, C.** De l'alim. des grandes villes en lait. Mém. Soc. sc., Seine-et-Oise, 1909, **18**: 215–55. ——— & **Nicolas, E.** La question des minima et des moyennes dans l'A des villes en lait. Rev. gén. lait, 1906–07, **6**: 289–303.—**Porcher, Péhu & Porte.** De l'A des grandes villes en lait. Pediat. prat., 1908, **6**: 235–40. Also C. rend. Ass. fr. avance. sc. (1908) 1909, **37**: 1318.—**Premio** (Il) reale per AL nelle città. Clin. vet., Milano, 1907, **30**: 97–100.—**Profé, O.** Beitrag zur Frage der MV grosser Städte. Tierarzt, 1911, **50**: 232–41.—**Reitz, A.** Beitrage zur Verbesserung der Städte-MV. Zschr. Fleisch Milchhyg., 1909–10, **20**: 16–8.—**Rievel.** The provision of milk for cities. Am. Vet. Rev., 1909–10, **36**: 561–8.—**Robertson, J.** MS for large towns. Edinburgh M. J., 1910, n. ser., **4**: 197–206.—**Rudolfi, A. F.** [Improving the MS in towns] Hig. epidem., Moskva, 1929, **8**: 12–21.—**Scarpellini, A.** L'AL nelle grandi città. Gior. Soc. ital. igiene, 1929, **51**: 100; 197.—**Schneider, A.** Zur Versorgung der Städte mit Milch. Molkereiztg, 1908, **18**: 553; 565.—**Selter, H.** Fragen der städtischen MV; zugleich ein Beitrag über den Wert der Dauerpasteurisierung. Klin. Wschr., 1926, **5**: 763–6.—**Skalweit, B.** Die MV der englischen Städte. Molkereiztg, 1908, **18**: 421; 433.—**Sommerfeld, P.** Die MV der Grosstadt. Berl. Klin., 1927, H. 381, 1–30.—**Straus, N.** The relation of the city to the MS. Am. J. Pub. Health, 1915, **5**: 11–4.—**Stuurman, S.** [MS for large cities] Tschr. diergeneesk., 1933, **60**: 113; 191.—**Tapernoux, A.** L'A d'un grand centre urbain en lait. Rev. path. comp., Par., 1949, **49**: 449–60.—**Tesse, G.** Igiene ed AL nei centri popolosi. Arch. sc. Soc. nat. vet., Tor., 1910, **8**: 125–50.—**Thieulin, G.** Nouvelles modalités et techniques de l'AL des grands centres de consommation. Rev. path. comp., Par., 1949, **49**: 460–3.—**Vos, I. H. J.** De MV der grootc steden. Tschr. sociale geneesk., 1923, **1**: 5; passim.—**Woringer, P.** L'A des villes en lait. Strasbourg méd., **89**: 188–94.

—— military.

Morhouse, C. H., Morrill, E. E., jr [et al.] Development of a method to provide whole fresh milk for long range bomber and transport crews. Q. Res. Rep. U. S. School Aviat. M., 1949, Oct., 41.—**Schiavone, E. L.** La leche de consumo; estudio de

sus condiciones higiénicas en algunas unidades del Ejército. Rev. san. mil., B. Air., 1940, **39**: 717–38.

—— Public health aspect [Abbrev.: PH for public health]

See also **Milkborne disease; Milk hygiene;** also subheading (Safeguarding)

MACEWEN, H. A. The public MS. 182p. 22cm. Lond., 1910.

MILK and its relation to the public health. 757p. 8° Wash., 1908.
Forms No. 41, Bull. U. S. Hyg. Laborat.

SANITARY RELATIONS of the milk supply. 7p. 8° Wash., 1907.
Forms No. 111, Circ. U. S. Bur. Anim. Indust.

Arnold, L. Administrative PH problems in milk and milk products. Army Vet. Bull., 1943, **37**: 133–9.—**Axe, J. W.** The cow in relation to PH. J. State M., Lond., 1904, **12**: 701–9.—**Baker, W. A.** The milk problem from a sanitary standpoint. N. York State J. M., 1906, **6**: 247.—**Boynton, W.** Protecting the PH. Tufts M. J., 1939–40, **6**: 91–4.—**Butler, T.** Our MS and some of its relations to PH. Tr. M. Soc. N. Carolina, 1908, **55**: 335–47. Also Bull. N. Carolina Bd Health, 1908–09, **23**: 45–57.—**Cluver, F. W. P.** Milk and the PH. S. Afr. M. J., 1938, **12**: 287–91.—**Coulter, J. L.** The conservation of human resources, with special consideration of milk investigation. J. Minnesota M. Ass., 1910, n. ser., **30**: 230–3.—**Eaton, P. J.** Milk and its relation to PH. Pennsylvania M. J., 1911–12, **15**: 204–12.—**Evans, W. A.** Relation of milk to the PH. Am. Vet. Rev., 1909–10, **37**: 165–74.—**Fiadeiro, J.** A colaboração dos médicos e veterinários na saúde pública; alguns aspectos do problema higiénico do leite alimentar; as fontes de conspurcação microbiana do leite. Bol. Inst. sup. hig. Jorge, Lisb., 1947, **2**: 241–65.—**Fremantle, F. E.** The requirements of the PH in respect of the MS. Vet. J., Lond., 1927, **83**: 170–2.—**Garland, J.** Milk and the PH. Boston M. & S. J., 1923, **189**: 460; 513; 563.—**Jacob, M.** Milk in its relation to PH. J. Tennessee M. Ass., 1920–21, **13**: 255–8.—**Kelemen, M.** [PH and veterinary requirements in the MS] Allatorv. lap., 1937, **60**: 178–81.—**Leonard, T. H.** Better milk and public welfare. Welf. Mag., Pontiac, 1927, **18**: 783–98.—**Macgregor, A. S. M.** The MS and the PH. Tr. R. Med. Chir. Soc. Glasgow, 1939, **33**: 61–8.—**Martin, J. G.** The milk problem from the municipal health officer's viewpoint. N. Orleans M. & S. J., 1927–28, **80**: 17–9.—**Milk** and its relation to PH. Health Bull., Melb., 1933, Nos. 33 & 34: 977–1002.—**Milk** is closely identified with PH. Certif. Milk, 1941, **16**: No. 188, 3; 20.—**Neel, W. V.** Milk and its relation to PH. Kentucky M. J., 1928, **26**: 290–3.—**Palmer, W. B.** Attitude of health departments. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21**: 128–47.—**Park, W. H.** The relation of milk to PH. Queen's Univ. Med. Fac. Pub., Kingston, 1910, 1–19.—**Philip, R.** The MS of the country and its bearings on health. Tr. Med. Chir. Soc. Edinburgh, 1924–25, **104**: 89–101.—**Sedgwick, W. T.** MS and the PH. Techn. Q., Bost., 1891, **4**: 365–78.—**Sergeant, E.** Sanitary authorities and MS. J. R. Inst. Pub. Health, 1907, **15**: 675–8.—**Southwood, A. R.** Milk and the PH. Med. J. Australia, 1945, **1**: 454–7.—**Stillson, H. L.** Milk. Bull. Vermont Bd Health, 1911–12, **12**: No. 4, 44–51.—**Strong, R. A.** Milk in its relation to the PH. N. Orleans M. & S. J., 1939–40, **92**: 388–90.—**Swift, H.** The milk situation. Boston M. & S. J., 1920, **182**: 447–50.

—— rural.

Ferguson, R. G. A pure MS for the farm house. Pub. Health J., Toronto, 1927, **18**: 151–5, pl.—**Hayes, J.** Improving MS in small towns. Bull. san., Montréal, 1916, **16**: 78–81.—**Toms, S. W. S.** The problem of regulation of a rural MS. Diet. & Hyg. Gaz., N. Y., 1907, **23**: 714–21. Also N. York State J. M., 1908, **8**: 116–21.—**Weber, A.** Zur MV auf dem Lande. Münch. med. Wschr., 1912, **59**: 1271.

—— Safeguarding.

COTRIM, M. DE S. *Do A hygienico do leite. 84p. 8° São Paulo, 1931.

Arnim, v., Borinski [et al.] Hygiene der Milchversorgung. Deut. Zschr. ofl. Gesundhpfl., 1927, **3**: 164–89.—**Brown, A. J.** The problem of safeguarding the MS. Philadelphia M., 1944–45, **40**: 1513–7.—**Fiestas.** [A] higiénico de las leche. Bol. técn. Dir. gen. san., Madr., 1931, **6**: 530–52.—**Flanley, M. G.** Safeguarding the MS. Mod. Hosp., 1938, **51**: 76–80.—**Graham, V. E.** Protecting the MS. Canad. J. M. Techn., 1947, **9**: 89–93.—**Grünewald, M.** Wege zur hygienischen MV. Arch. sozial. Hyg., 1926–27, n. F., **2**: 175–7.—**Henderson, D. W.** Hygienic milk supplies. J. R. San. Inst., 1929–30, **50**: 112–5.—**Hess, H. E.** Safeguarding a municipal MS. Vet. Bull., Wash., 1936, **30**: No. 4, 288–91.—**Hiscock, I. V.** Protection of MS. In: Pract. Libr. M. & S. (Appleton) N. Y., 1937, **12**: 389–99.—**Kadensky, B.** [On hygienic milk service] Zver. obzor, 1940, **33**: 73–81.—**Larsson, R.** Vår MV ur hygienisk synpunkt. Nord. hyg. tskr., 1937, **18**: 46–58; Disc., 77–80.—**Lubliner, L.** W sprawie dostarczania miastu zdrowego, asyprycznego mleka. Zdrowie, Warsz., 1906, 2. ser., **6**: 729–32.—**MacGregor, A. S. M.** The MS. Edinburgh M. J., 1938, **45**: 363–7.—**Manteufel,** Die Hygiene der MV. Klin. Wschr., 1927, **6**: 2356.—**Purbrick Brown, E., & Hudson.** Safeguarding the MS. Vet. Rec., Lond., 1942, **54**: 534.—**Rosenau, M. J.** Guarding the MS. Bull. Des Moines Acad. M., 1936, **7**: Suppl., p. iii–v. Also Memphis M. J., 1936, **11**: 19–21.—**Savage, H. M.** Safeguarding the MS. Vet. Bull., Wash., 1933, **27**: 321–7.—**Sedgwick, W. T.** A note on some of the requirements for a sanitary MS. Techn. Q. Bost., 1897, **10**: 245.—**Tiedeman, W. von D., Frank, L. C.** [et al.] [MS] Am. J. Pub. Health, 1938, **28**: Suppl. 124.—**Woringer, P.** Science laitière; l'A des villes en lait. Rev. fr. pédiat., 1925, **1**: 92–108.

—— by countries.

Erdmann. Beitrag zur Kenntnis der Basler Milchverhältnisse. Schweiz. Apoth. Ztg, 1914, **52**: 189–91.—**Krasavicky, P. M.** K voprosu o snabženii peterburgskikh bolnic molokom. Vrach. gaz., 1914, **21**: 678–81.—**Minett, E. P.** Protection of the MS in British Guiana. J. London School Trop. M., 1912–13, **2**: 217–20.—**Wickremasinghe, W. G.** A national milk policy for Ceylon. Ceylon Health News, 1945, **11**: No. 5, 1–3.

—— by countries: Argentina.

ARDIANI, M. A. Manipuleo de la leche en la ciudad de Casilda, desde su origen hasta su entrega al consumidor; estudio fisico, químico y bacteriológico; estadística. p.37–45. 24½cm. Rosario, Arg., 1934.

Borzone, R. A. Higienización obligatoria de la leche de consumo en la ciudad de Santa Fe. Reun. Soc. argent. pat. region. (1929) 1930, 5. meet., **2**: 1348–75.—**Etchegaray, M.** Medidas indispensables para abastecer de leche higiénica a la ciudad de Buenos Aires. Rev. zootécn., B. Air., 1925, **12**: 207–11.—**Marchese, C. A.** AL en las poblaciones del país. Hygieia, B. Air., 1949, **3**: 95–103.—**Moreno, R. T.** Las dificultades del abasto de leche en algunas regiones del país relacionadas con la asistencia infantil. Actas Congr. nac. puericult., B. Air., 1940, 1. Congr., **2**: 465–70.—**Obarrio, J. M.** AL en el municipio de Buenos Aires. Actas Conf. san. panamer., 1934, 509–12.—**Pavé, S.** El AL higiénica a las ciudades; estado actual del desenvolvimiento de la industria lechera, sus causas. Rev. med., B. Air., 1939, **1**: 47–60.—**Rodríguez, G.** El AL para la ciudad de Buenos Aires. Sem. méd., B. Air., 1932, **39**: pt 1, 311; passim.

—— by countries: Australia and New Zealand.

Cherry, T. The Melbourne MS. Intercolon. M. J. Australasia, 1908, **13**: 207–18.—**Gregory, E.** An adequate S of milk of good quality for human consumption. N. Zealand Nurs. J., 1945, **38**: 161–3. Also N. Zealand Dent. J., 1945, **41**: 122–6.—**Municipal** MS; the Wellington experiment. Australas. J. Pharm., 1923, n. ser., **4**: 124.—New Zealand's Municipal MS. Lancet, Lond., 1936, **2**: 212.

—— by countries: Austria.

Kaiser, F. J. Die MV und der Milchpreis in Wien. Molkereiztg, 1908, **18**: 482.—**Lederer, E. J.** The MS of Vienna. Med. Rec., N. Y., 1907, **71**: 986–8.—**Weiss, S.** Die Organisation der Still- und Milchkasse in Wien. Med. Bl., Wien, 1908, **31**: 434–46.

—— by countries: Belgium.

SCHEIBER, E. A. O. *Milchversorgung und Milchverwertung während des Krieges in Flandern [Giessen] 37p. 8° Stuttg., 1917.
Also Arch. Kinderh., 1917, **66**: 217–50.

—— by countries: Brazil.

Amaral, F. P. do. O problema do leite em S. Paulo; em favor de seu melhor A. Rev. med. cir. S. Paulo, 1942, **2**: 131–3.—**Barreto, C.** O AL ao Rio de Janeiro. Brasil med., 1920, **34**: 734–9.—**Ferreira, C.** O problema do leite em S. Paulo, Ibid., 1914, **28**: 183; 193.—**Moreira, P. M.** Notas á margem do problema de AL á cidade de Pôrto Alegre; entrepostos regionais de refrigeração. Arq. riogrand. med., 1942, **21**: 7–9.—**Motta Rezende, C. da.** O AL no Rio de Janeiro. Arch. brasil. med., 1921, **11**: 269–87.—**Rodrigues, A. de P.** O actual padrão do leite; methodos utilizados na sua determinação. Bol. san., Rio, 1922, **1**: 4–41.—**Seta, F. D. de.** A e commercio do leite. Rev. hyg. saúde púb., Rio, 1928, **2**: 1–26.

—— by countries: Canada.

Currey, D. V. Community MS in Ontario. Pub. Health J., Toronto, 1927, **18**: 301–11.—**Dubé.** AL à Montréal. Union méd. Canada, 1907, **36**: 253–63.—**Mayotte, R. G.** Methods employed in improving the MS of the city of Montreal, Canada. Annual Rep. Internat. Ass. Dairy & Milk Insp., 1915, **4**: 160–8.—**Paquin, C. R.** Le problème du lait à Québec. Bull. méd. Québec, 1927, **28**: 163–76.—**Tice, J. W., Tisdall, F. F., & McCreary, J. F.** A practical method for the S of fresh milk to isolated R. C. A. F. stations. Canad. M. Ass. J., 1944, **51**: 541–3.

—— by countries: Cuba.

Camacho, A. Vigilancia sanitaria de AL. Salub. asist. social, Habana, 1944, **47**: 11–6.—**García, C. M.** Rapida ojeada de conjunto al AL de la ciudad de la Habana. Crón. méd. quir. Habana, 1934, **60**: 184–6.

—— by countries: Czechoslovakia.

Laxa, O. O zásobování král. hlav. města Prahy a předměstských obcí mlékem r. 1903. a 1904. Cas. vefej zdrav., 1905, **7**: 43; 76; 149.

—— by countries: Denmark.

Adams, S. H. The solving of the milk problem; how Copenhagen has established the feasibility of a pure and healthful S. McClure's Mag., N. Y., 1908–09, **32**: 200–7.—**Hollmann.** Die MV Kopenhagens. Molkereiztg, 1907, **17**: 290; 303.—**Jensen, O.** Recherches sur le lait mis en vente à Copenhague et propositions pour son amélioration. Rev. gén. lait, 1909–10, **8**: 49–60.—**Milk** (The) supply of the City of Copenhagen. Vet. J., Lond., 1927, **83**: 210–3.—**Poulsen, V.** [Milk for children in København] Med. rev., Bergen, 1923, **40**: 125–42.—**Schianbusch, I.** [MS of Copenhagen] Nord. hyg. tskr., 1927, **8**: 185–94.

—— by countries: Finland.

Saura, E., & Bass, E. Die MV und die Milchkontrolle der Stadt Heisingfors (Finnland) Zschr. Fleisch Milchhyg., 1937–38, **48**: 242–8.

—— by countries: France.

Birbis, G. *Etude de l'AL de l'agglomération lyonnaise. 112p. 8° Lyon, 1916.

Cassel, J. B. S. M. J. *La question du lait a Dieppe. [Ecole de pharm.] 23p. 8° Lille, 1910.

Diffloth, P. L'A de Paris en lait. 12p. 12° Valenciennes, 1904.

Faure, J. *Approvisionnement en lait de la ville de Paris. 99p. 8° Par., 1907.

Gauchon, E. *Etude sur les laits du Poitou (arrondissement de Poitiers) [Ecole de pharm.] 58p. 8° Par., 1914.

Kuppelmayr, H. *Die Milchverhältnisse der Stadt Metz. 55p. 8° Metz, 1910.

Schang, E. *La production laitière en Moselle. 102p. 25cm. Lyon, 1939.

Simacourbe, G. *La question du lait propre dans les grandes villes et en particulier dans la ville du Havre. 71p. 8° Par., 1911.

Stevenin, D. *L'AL de la ville de Strasbourg et le contrôle hygiénique du lait [Alfort] 63p. 8° Par., 1934.

Arnaud, J. L'A de Lyon en lait. Lait, 1929, **9**: 113–24.—**Beau, M.** La situation laitière. Ibid., 1943, **23**: 362–7.—**Bliecq, L.** Les laits de l'Orne (région de Sées) C. M. S. apparente et C. M. S. réelle. J. pharm. chim., Par., 1928, 8. ser., **8**: 543–6.—**Hédin, H.** La question du lait à Montpellier. Montpellier méd., 1913, **36**: 201; 225.—**Houdinière, A.** Le ravitaillement en lait de la Région parisienne à l'Académie de médecine. Lait, 1944, **24**: 283–6.—**Leroy.** L'AL de la région parisienne dans le cas d'un arrêt des moyens de transports normaux. Bull. Acad. méd., Par., 1944, **128**: 40.—**Martel, H.** L'AL de Paris et de sa banlieue. Bull. Acad. méd., Par., 1919, 3. ser., **82**: 268–74. Also Bull. gén. thér., 1920–21, **171**: 47–51.—**Névot, A.** L'A de Paris en lait; nécessité d'un contrôle hygiénique; ses méthodes; recherche du colibacille dans le lait. Prat. méd. fr., Par., 1932, **13**: 225–40.—**Porcher, C.** L'A de Paris en lait pendant la guerre. Paris méd., 1918, **27**: 269–72.—**Ros.** La question du lait à Montpellier. Montpellier méd., 1907, **25**: 34–6.—**Saint-Olive, P.** Le ravitaillement en lait de la ville de Lyon au point de vue agricole. Lait, 1926, **6**: 306–13, map.—**Tapernoux, A.** Le ravitaillement en lait de la ville de Lyon. Bull. Serv. san., Par., 1944, **2**: 478–89, map.—**Violle, H., & Durand.** Enquête sur les laits à Marseille en 1946. Rec. d. trav. Inst. nat. hyg., Par., 1949, **3**: 919–24.

—— by countries: Germany.

Arnoldi, W. *Die MV der Stadt Königsberg i. Pr. [Königsberg] 240p. 8° Münch., 1914.

Aurnhammer, A. *Milchversorgung der Stadt München. 62p. 8° Münch., 1907.

Behr, F. *Die Versorgung der Stadt Kiel mit Milch. 69p. 8° Kiel, 1932.

Laer, A. v. *Die MV der grossen deutschen Städte. p.145–64. 24½cm. Berl., 1933.
Also Zbl. ges. Hyg., 1933, **30**:

Reminghorst, J. *Die MV und das Molkereiwesen in der Provinz Westfalen [Münster] 30p. 8° Bottrop, 1934.

Schnitt, K. J. *Hygiene der MV der Stadt Freiburg im Breisgau [Freiburg i. B.] 45p. 23cm. Berl., 1937.

Bohlmann, R. Beitrag zur MV der Stadt Dortmund. Pharm. Zhalle, 1906, **47**: 493–504.—**Borinski, P.** Die MV Berlins. Deut. Zschr. öff. Gesundhpfl., 1929, **5**: 73–96. —— & **Krüger, O.** MV und städtische Milchkontrolle in Berlin. Ibid., 1928, **4**: 81–97.—**Brandt, K.** Die Mängel der heutigen Berliner MV. Ibid., 1929, **5**: 68–72.—**Gradenwitz, A.** Municipal MS in Germany: the remarkable institution of the City of Dresden. Sc. Am. Suppl., N. Y., 1911, **72**: 40–2.—**Kühl, H.** Ueber die MV im Deutschen Reiche. Deut. Vjschr. öff. Gesundhpfl., 1914, **46**: 405–32.—**Laer, A. v.** Der heutige Stand der MV der deutschen Grossstädte. Zbl. ges. Hyg., 1933, **30**: 145–64.—**Meinert, C.** Die MV der Stadt Hamburg. Molkereiztg, 1909, **19**: 49, 63; 73.—**Meyn, A.** Die Versorgung Leipzigs mit gesunder Milch. Berl. tierärztl. Wschr., 1941, **57**: 201–5.—**Mühlens.** Die MV der Stadt Köln. Zschr. Fleisch Milchhyg., 1927–28, **38**: 303.—**Reiter.** La FL en Allemagne, considérée au point de vue de l'hygiène et l'état actuel de la pasteurisation du lait. Bull. Off. internat. hyg. pub., Par., 1935, **27**: 2203–15.—**Zaubzer.** Die Kuhmilch; Soll und Haben dieses Nahrungsmittels für die Stadt München und deren Umgebung. Münch. med. Wschr., 1906, **53**: 307–9.

—— by countries: Great Britain.

Delépine, A. S. The Manchester MS from a public health point of view. 49p. 8° Manchester, 1909.

McCracken, I., & Stewart, A. M. A review of the MS of Glasgow in relation to pasteurization. 52p. fol. Glasgow, 1937.

Addiscott, W. J. Our MS. J. R. San. Inst., 1913–14, **34**: 256–9.—**Carpenter, G.** La production et la distribution du lait dans la Grande-Bretagne et l'Irlande. Ann. méd. chir. inf., Par., 1907, **11**: 668–71.—**Chalmers, C. H.** A review of the MS in Scotland. Health Bull., Edinb., 1950, **8**: 10–2.—**Dalling, T.** Milk policy. Vet. J., Lond., 1943, **99**: 205–7.—**Graham, J. N.** Ten years' work on the improvement of a county MS. Med. Off., Lond., 1935, **53**: 87.—**Howell, J. B.** The problem of a clean MS for London. Vet. J., Lond., 1927, **83**: 182–4.—**Hoy, W. A.** The clean MS of Reading. Ibid., 289–93.—**Hutt, C. W.** The question of clean milk for Central London. Ibid., 175–8.—**Jervis, J. J.** The MS of Leeds. Med. Off., Lond., 1928, **40**: 147–50.—**Jones, T. E.** The supervision of the Liverpool MS. Vet. J., Lond., 1927, **83**: 178–82.—**Macgregor, A. S. M.** The MS. Med. Off., Lond., 1938, **59**: 77.—**Milk** policy. Lancet, Lond., 1943, **2**: 85.—**Milk** (The) supply. Brit. Food J., 1943, **45**: 63.—**Milk** (The) supply of London. Med. Mag., Lond., 1906, **15**: 275; passim.—**Robertson, R.** The MS of Edinburgh; with suggestions for the improvement of MS generally. J. R. Inst. Pub. Health, 1907, **15**: 610–4.—**Robertson, W. G. A.** Considerations relating to the improvement of the MS, with special reference to the city of Edinburg. Tr. Med. Chir. Soc. Edinburgh, 1904–05, n. ser., **24**: 61–88.—**Savage, W.** Current questions of MS. J. R. San. Inst., 1944, **64**: 117–25.—**Schaeffer, G., & Jacquot, R.** La politique du lait en Angleterre; répartition et consommation. Ann. nutrit., Par., 1947, **1**: 69–82.—**Simpson, J. C.** The MS of the country: policy? Edinburgh M. J., 1931, n. ser., **38**: 219–25.—**Vignes, H.** La question du lait en Angleterre pendant la guerre. Rev. path. comp., Par., 1919, **19**: 203–5.—**Walworth, G.** Milk and milk products. In his Feeding the Nation, Lond., 1940, 93–6.—**Winter** MS; Lord Dawson's warning. Brit. M. J., 1941, **2**: 145.

—— by countries: Holland.

Vos, I. H. J. *De MV van Amsterdam. 150p. 8° Amst., 1918.

Wolff, L. K. [MS in Amsterdam] Ned. tschr. geneesk., 1927, **71**: pt 1, 2895–903.

—— by countries: India.

Ahmad, M. U. MS problem of Calcutta. J. Ind. M. Ass., 1936–37, **6**: 9–12.—**Mann, H. H.** The S of milk to Indian cities. Ind. M. Rec., 1914, **34**: 141–7.—**Stephens, G. A.** The people of India need milk. Med. Press & Circ., Lond., 1944, **212**: 271.

—— by countries: Indonesia.

Langen, C. D. de. MS of the Netherlands Indies. Meded. Dienst volksgez. Ned. Indië, 1929, **18**: 246.

—— by countries: Italy.

Fiorentini, A. L'AL ai grandi centri. Gior. Soc. ital. igiene, 1910, **31**: 93–103.—**Perini, P. E.** Considerazioni e rilievi intorno alla provvista di latte igienico nei piccoli e nei medi comuni. Ibid., 1935, **57**: 101–8.—**Zapatero, E., & Talenti, M.** L'AL per la città di Roma. Arch. farm. sper., 1934–35, **58**: 68–87.

—— by countries: Mexico.

Alba Luna, L. de. Informe descriptivo de las actividades de la Provisión de leche de Mazatlán, Sin. Asistencia, Méx., 1943, No. 20, 31–6.—**Cardenas de la Vega, M.** La provisión de leche de la Asociación nacional de protección a la infancia. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 236–45.

—— by countries: Morocco.

Belie, G. La crise du lait au Maroc. Lait, 1937, 17: 1103–9.

—— by countries: Philippine Islands.

Fox, C. An effort on the part of the Bureau of Health to improve the MS of Manila. Bull. Manila M. Soc., 1911, 3: 31.

—— by countries: Spain.

Arroyo, C., García, I., & Hidalgo, J. La higiene de la leche en Madrid. Rev. san., Madr., 1932, 7: 641–67.

—— by countries: United States.

Alvord, H. E., & Pearson, R. A. The MS of two hundred cities and towns. 210p. 8° Wash., 1903.
Forms Bull. 46 of U. S. Bur. Anim. Indust.

Doane, C. F. The milk supply of twenty-nine Southern cities. 40p. 8° Wash., 1905.
Forms Bull. No. 70, U. S. Bur. Anim. Indust.

Fuchs, A. W., & Frank, L. C. MS and their control in American urban communities of over 1,000 population in 1936. 69p. 8° Wash., 1939.
Forms No. 245, Pub. Health Bull.

Gunn, S. M. The MS of the City of Milwaukee and its control by the health department. 45p. 8° Milwaukee, 1912.
Repr. from Bull. Bur. Econ. Effic., 1912, No. 13. Also Contr. San. Res. Laborat. Mass. Inst. Techn., 1912, 8:

Spencer, L. The milk situation in New York, January 1937. 19p. 8° Ithaca, 1937.
Forms No. 365, Cornell Extens. Bull.

Whitaker, G. M. The milk supply of Boston, New York, and Philadelphia. 62p. 8° Wash., 1905.
Forms Bull. No. 81, U. S. Bur. Anim. Indust.

Agreement reached in guarding safety of Florida MS. Health Notes, Jacksonville, 1941, **33**: 164.—**Allen, R. McD.** Louisville's MS: dairies in and around Louisville. Louisville Month. J. M. & S., 1906–07, **13**: 73–82; Disc., 88–92.—**Amott, A. L.** The MS of Chicago. Univ. Wisconsin Stud. Sc., 1921, No. 2, 170–81.—**Beebe, H. M.** The MS of Sidney, Ohio, with reference to preventive measures against tubercular infection. Q. Bull. Ohio State Bd Health, 1910, **2**: 66–83.—**Bensel, W.** The protection of the New York MS. N. York State J. M., 1906, **6**: 28.—**Buehler, E.** Some experiences in procuring a pure MS for the City of Indianapolis. Indiana M. J., 1908–09, **27**: 48–52.—**Bundesen, H. N.** Chicago's MS; what does it mean? J. Am. Vet. M. Ass., 1937, **90**: 419–24.—**Burri, R.** L'AL des villes de l'Amerique du Nord. Lait, 1933, **13**: 1189; 1292. ——— The MS of North-American cities. Q. Bull. Health Org. League of Nat., 1932, **1**: 46–63.—**Cowden, T. K.** The S and utilization of milk in Pennsylvania. Abstr. Theses Cornell Univ. (1937) 1938, 344–7.—**Cristadoro, C.** The MS [N. Y. City] Med. Rec., N. Y., 1912, **82**: 941.—**Crumbine, S. J.** A summary of a MS survey in twelve states. Proc. Conf. Health Author. N. America (1926) 1927, **41**: 157–73.—**Darlington, T.** The methods of dealing with the MS of New York City. J. Am. M. Ass., 1907, **49**: 1079; Disc., 1093.—**Estado** actual de la distribución y control de leche en la ciudad de Nueva York. Arch. pediat. Uruguay, 1945, **16**: 272–6.—**Fawcett, C. J.** Milk in Massachusetts. Commonhealth, Bost., 1938, **25**: 281–3.—**Ford, W. W.** A consideration of the MS of Baltimore. Johns Hopkins Hosp. Bull., 1913, **24**: 25–8.—**Goler, G. W.** The origin, development and results of municipal milk work in Rochester, N. Y. Maryland M. J., 1906, **49**: 201–8. Also Charities, N. Y., 1906, **16**: 484–7 (Abstr.)—**Graham, J.** A proper MS for the cities and towns of North Carolina. Charlotte M. J., 1905, **27**: 77–81. Also Tr. M. Soc. N. Carolina, 1905, **52**: 346–54.—**Holmquist, C. A.** Report of the committee on MS. Pub. Health Bull., Wash., 1926, No. 160, 21–42.—**Holt, L. E., Jacobi, A.** [et al.] Report on the MS of New York City, with recommendations. Arch. Pediat., N. Y., 1908, **25**: 110–6.—**Jones, C. H.** The present aspects and needs of the MS of Baltimore. Maryland M. J., 1906, **49**: 245–54.—**Jordan, J. O.** Some features of the milk situation. Boston M. & S. J., 1913, **168**: 609; Disc., 617.—**Kaumanns, N.** Die MV der Stadt Chicago. Molkereiztg, 1909, **19**: 241–4.—**Klein, L. A.** What can be done to improve the MS in Pennsylvania? J. Am. Vet. M. Ass., 1916, n. ser., **3**: 350–6. Also Pennsylvania M. J., 1916–17, **20**: 184–90.—**Leonard, T. H.** The milk situation in Illinois. Institution, Springf., 1923, **14**: No. 4, 109–16.—**Levy, E. C.** The MS of Richmond, Virginia, from a sanitary standpoint; a preliminary study. Old Dominion J. M. & S., 1905–06, **4**: 317–30. Also Virginia M. Semi-Month., 1906–07, **11**: 32–40.—**Lutes, E.** The MS of Wilkes-Barre, Pa. Tr. Luzerne Co. M. Soc. (1920–21) 1922, **22**: 190.—**McFall, R. J.** The MS of Massachusetts. Bull. Massachusetts Agr. Exp. Sta., 1927, No. 236.—**Magruder, G. L.** The MS of Washington, D. C. J. Am. M. Ass., 1907, **49**: 1088; 1093. ——— Further observations on the MS of Washington, D. C. Ibid., 1910, **55**: 581–9.—**Moore, C. U.** Progress in providing proper milk for Portland. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 76–88.—**Ochsner, R. J., & Leslie, R. F.** The Cleveland MS. Bull. Acad. M. Cleveland, 1929, **13**: 9–11.—**Parrish, G.** A report on the local milk situation [City of Los Angeles] Spec. Rep. Raw Milk (Dep. Health) Kansas City, 1941, 121–43.—**Parsons, M. S.** Factors affecting the MS in the New York milk shed. Abstr. Theses Cornell Univ. (1937) 1938, 367–9.—**Pierce, C. W.** The S and utilization of milk in the New York milk shed. Ibid., 370–2.—**Safeguarding** Indiana's MS; Bureau of Dairy Products. Month. Bull. Bd Health Indiana, 1942, **45**: 28.—**Spencer, L., & Pollard, A. J.** Adjusting the MS for the New York market. Annual Rep. N. York Coll. Agr., 1941, **54**: 77.—**Steckel, L. M.** The MS of New York City; a lesson in municipal sanitation. Am. Med., 1916, **22**: 303–9.—**Toms, S. W. S.** A study of the MS in New York. N. York State J. M., 1905, **5**: 336–44.—**Van de Velde, H.** L'AL à New York. Ann. Soc. méd. Anvers, 1912, **74**: 11–43, 5 tab.—**Van Horn, H. H.** The MS of Columbia, Mo. J. Missouri M. Ass., 1911–12, **8**: 393–7.—**Veenbaas, A. H.** Die MV New Yorks. Zschr. Fleisch Milchhyg., 1934–35, **45**: 341.—**Widmayer, F. J.** Milk situation in the City of Scranton, Pa. Tr. Luzerne Co. M. Soc. (1920–21) 1922, **22**: 194–6.—**Williams, L. R.** A review of the recent efforts to improve New York City's MS. Arch. Pediat., N. Y., 1907, **24**: 667–73.

—— by countries: Venezuela.

Acosta, C. A., & Ramírez, J. Informe del Estado Bolívar. Mem. Congr. venezol. leche, 1939, 1. Congr., 53–5.—**Dominguez, F.** Presentación de métodos recomendables para lograr el abaratamiento de la leche y el mejoramiento del ganado lechero. Ibid., 281–92.—**Oropeza, A., & Andrade, J. L.** Informe de los delegados de Lara al Congreso venezolano de la leche. Ibid., 72–84.

—— in wartime.

Kelly, E., Kroeze, H. A. [et al.] A study of the effect of war conditions on the MS of the Continental United States. 16p. 28cm. Wash., 1944.
Forms No. 6, San. Engin. Rep. (NRC) Wash.

Irwin, R. E. Our public MS and the war. Pennsylvania Health, 1943, **4**: No. 4, 6.—**Larsson, R.** Vår MV ur hygienisk synpunkt. Nord. med., 1941, **10**: 1589 (Abstr.)—**Lesné.** A propos du décret sur la réduction du lait chez les enfants. Bull. Acad. méd., Par., 1944, **128**: 98.—**Milk** supply in time of war. Brit. M. J., 1941, **1**: 972.—**Rievel.** Die MV der Städte im Kriege. Deut. tierärztl. Wschr., 1919, **27**: 183–5.—**Some** wartime problems associated with MS. Health Bull., Edinb., 1941–42, **1**: 25–7.—**War-time** milk scheme. Med. Off., Lond., 1940, **63**: 214.—**Whitehead, H.** The importance of a safe MS in war time. Med. Press & Circ., Lond., 1941, **206**: 406–8.

MILK testing.

Abbrev.: EL for épreuve de lait, expertise de lait; MT for milk test; MP for Milchprüfung; T for test.

See also **Milk analysis; Milk examination; Milk sample.**

Van Slyke, L. L. Modern methods of testing milk and milk products. 2. ed. 286p. 19cm. N. Y., 1921.

Ataka, S., Matiyama, M., & Nakamati, T. Gyūnyū kensahō ni tuite [Methods of testing milk] Nippon eisei kagakkai si, 1938, **10**: 165–70.—**Balázsy, D.** Kaschauer MP-system. Beitr. ärztl. Fortbild., 1932, **10**: 319–22.—**Baquiast, R.** Méthodes employées en Grande Bretagne contre la coagulation des laits de consommation; le plan national d'EL et de conseils aux professionnels, National milk testing and advisory scheme. Lait, 1946, **26**: 116–24.—**Baum, W. W.** National milk testing and advisory scheme. Med. Off., Lond., 1948, **79**: 46.—**Biffi, U.** Una prova biologica per il controllo igienico del latte. Rass. ostet., 1908, **17**: 764.—**C., C. H.** Designated milks; new tests. Health Bull., Edinb., 1943–45, **3**: 51–3.—**Doherty, W. M.** A new method for milk-testing. Analyst, Lond., 1908, **33**: 273–5.—**Golding, J.** The Neusal MT. Ibid., 1911, **36**: 203–6.—**Icard.** Expertise rapide des laits marchands et du lait des nourrices; dosage du beurre dans les fromages. Ann. hyg., Par., 1920, 4. ser., **34**: 221–35. Also Rev. path. comp., Par., 1920, **20**: 110–8. ——— Un autre procédé rapide d'EL et des fromages; procédé vulgaire à la portée de tous applicable à l'examen du lait des nourrices. Ibid., 162–6.—**Javelberg, G. I.** O kharakteristike rynočnogo moloka, metod srednej proby. Hig. & san., Moskva, 1947, **12**: No. 10, 44.—**Martell.** Die Prüfung der Milch. Zschr. Krankenanst., 1924,

20: 255–60.—**Michaud, G.** Milk testing without apparatus. Sc. Am., N. Y., 1909, 100: 320.—[**Milk tests**] Pharm. tid., Kbh., 1863–64, 3: 120–3.—**National** milk testing and advisory scheme. Med. Off., Lond., 1943, 69: 84.—**Paterson, A. B.** The diagnostic value of Rothera's T on milk. Vet. J., Lond., 1945, 101: 199–204.—**Quadri, S.** Studio sul latte; una nuova semplice reazione osservabile nel latte con particolare riguardo a quello flogistico. Clin. pediat., Mod., 1940, 22: 183–92.—**Simizu, T.** Kan-i eisei siken-hō; gyūnyū [Easy methods for hygienic T; on milk] Nippon eisei kagakkai si, 1930, 2: 40–3.—**Stone, R. V.** Laboratory control of milk under war conditions; milk testing, under emergency conditions. Am. J. Pub. Health, 1943, 33: 399.—**Tabuti, S.** Gyūnyū kensa-hō ni kan-suru hōkoku [Report on methods of testing milk] Nippon eisei kagakkai si, 1939, 11: 14–20.—[**Vogel's** (A.) MT] Pharm. tid., Kbh., 1863–64, 3: 298; 308.—**Wright, C. C.** Synopsis of milk testing. North Am. Vet., 1929, 10: 31.

—— Alcohol test.

Alcohol T in relation to milk. Vet. Bull., Wash., 1920, 5: Suppl., No. 4, 11; 6: 4.—**Auzinger, A.** Ueber die Alkoholprobe der Milch und die Verwendung von Brennspiritus zur Ausführung derselben. Molkereiztg, 1911, 21: 37.—**Bahr, L.** Einige Milchuntersuchungen mit besonder Berücksichtigung des Wertes der Rosolsäurealkoholprobe. Zschr. Fleisch Milchhyg., 1913–14, 24: 228; passim.—**Boersma, J. H.** [Alcohol T in the examination of milk] Tschr. diergeneesk., 1934, 61: 1255–7.—**Chalmers, C. H.** The modification of the alcohol T as an index of the bacterial count and keeping quality of milk. J. Bact., Balt., 1928, 15: 93–104.—**Echenique, L., & Rossi Lema, L.** Frecuencia de la positividad a la prueba del alcohol de las leches de nuestros tambos e influencia de la temperatura sobre la misma. Arch. Soc. biol. Montevideo, 1936–37, 7: 299–313.—**Goy, S., & Janisch, J.** Für Milchuntersuchungen nach Gerber unbrauchbarer Amylalkohol. Zschr. Untersuch. Nahrungsmitt., 1925, 50: 373.

—— Aldehyde number.

Occhialini, E. Il numero di aldeide e l'annacquamento del latte. Q. nutriz., Bologna, 1943, 9: 178–80.—**Richmond, H. D., & Miller, E. H.** Note on a recent paper by R. Steinegger on the aldehyde figure of milk. Analyst, Lond., 1906, 31: 224–6.—**Steinegger, R.** Die Aldehydzahl der Milch. Zschr. Untersuch. Nahrungsmitt., 1905, 10: 659–71.

—— Brom-cresol and brom-thymol tests [Abbrev.: BC for brom-cresol; BT for brom-thymol]

Bryan, C. S. A study of the BT-blue reaction in freshly drawn milk. Am. J. Pub. Health, 1933, 23: 721–4.—**Patterson, J. H.** Notes on BC purple T. Vet. Rec., Lond., 1924, 4: 735–40.—**Silva Nogueira, E. da.** Ensaio do BC púrpura e do azul de BT no leite. Tr. Laborat. pat. vet., Lisb., 1932, 2: 217; 225, 14 pl.—**Stableforth, A. W.** Studies on bovine mastitis; diagnosis by means of the reaction of the milk to BC-purple. J. Comp. Path., Lond., 1930, 43: 22–39.

—— Diphenylamine test [Abbrev.: D for diphenylamine]

Hartmann, W. Beitrag zur Bewertung der D-reaktion bei Milch. Zschr. Untersuch. Nahrungsmitt., 1923, 45: 153.—**Reiss, F.** Eisen als Ursache einer Formalin- und D-Reaktion der Milch. Ibid., 1921, 41: 26–9.

—— Enzyme tests.

See also **Milk enzyme; Milk, pasteurized,** Test of heating.

Barthel, C. Några af komjölkens enzymreaktioner och deras betydelse för den hygieniska mjölkkontrollen. Hygiea, Stockh., 1908, 70: 569–79. Also Svens. läk. säll. förh., 1908, 21–8.

—— Guaiac test.

Arnost, A. Die Guajak-Reaktion der Milch. Zschr. Untersuch. Nahrungsmitt., 1905, 10: 538–40.—**Becker.** Warnung vor Guajaktinktur! Zschr. Fleisch Milchhyg., 1925–26, 36: 218.—**Pfau, E.** Ueber die Haltbarkeit des Guajak-Reagenses. Apothekerzeitung, 1926, 41: 738–40.

—— Methylene-blue reduction test [Abbrev.: MB for methylene blue; RT for reduction test; AM for azzurro di metilene; BM for bleu de méthylène]

Maggi, L. *Richerche sul controllo della freschezza e purezza del latte col metodo della R del BM e dell'esame microscopico dei microorganismi [Lausanne] 54p. 8° Lugano-Mendrisio, 1907.

Aikins, G. A., & Fay, A. C. Effect of light on the R of MB in milk. J. Agr. Res., 1932, 44: 85–95.—**Angelici, G.** Sul potere bioriduttore del latte inquinato; contributo alle conoscenze del controllo sanitario del latte. Clin. vet., Milano, 1911, 34: 388–401.—**Barnum, H. J.** Comparison between MB and sediment test results. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, 21: 192–6.—**Bertin Sans, H., & Gaujoux, E.** Procédé pratique pour déterminer le degré d'altération d'un lait; essai au BM. Rev. hyg., Par., 1909, 31: 866–74. Also Montpellier méd., 1910, 30: 18–24.—**Buruiana, L.** Les potentiels de R dans le lait frais, non cuit. Lait, 1932, 12: 785–8.—**Cathcart, E. P.** Upon the R of MB by cow's milk. J. Hyg., Cambr., 1906, 6: 300–3.—**Conn, H. J.** Standardization of tablets for determining MBR in milk. Am. J. Pub. Health, 1937, 27: 793–5.—**Dluzewski, S.** [Value of the R method for the determination of the quantity of bacteria in milk] Polska gaz. lek., 1929, 8: 589.—**Dominikiewicz, M.** Próba redukcyjna jako środek oceny hygienicznej mleka. Zdrowie, Warsz., 1910, 26: 869–87. Also Vest. obshch. hig., 1911, 47: 1001–17.—**Fay, A. C., & Aikins, G. A.** Factors influencing the changes in oxidation-reduction potential on the R of MB in milk. J. Agr. Res., 1932, 44: 71–83.—**Fred, E. B.** A study of the quantitative R of MB by bacteria found in milk and the use of this stain in determining the keeping quality of milk. Zbl. Bakt., 2. Abt., 1912, 35: 391–428.—**Jensen, H. O.** Beiträge zur Kenntnis der Reduktionsprobe der Kuhmilch mit Berücksichtigung der Mechanik der Reduktion. Ibid., 1937, 96: 110–38.—**Johns, C. K.** Place of the MB and resazurin RT in a milk control program. Am. J. Pub. Health., 1939, 29: 239–47.—**Little, L.** Comparative studies upon the MB and resazurin tests. J. Milk Techn., 1940, 3: 274–9.—**Martini, V.** Riduzione fotochimica dell'AM da parte del latte e contenuto in glutatione. Boll. Soc. ital. biol. sper., 1931, 6: 773–5.—**Mati, S.** Gyūnyū-hōgan daityō-kin no Methylenblau kangensayō ni kan-suru kenkyū [MBR by the colon bacilli contained in cow's milk] Osaka igakkai zassi, 1941, 40: 891–4.—**Matuszewski, T., & Supińska, J.** Studies on the MBRT; raw milk test after Wilson's modification. Zbl. Bakt., 2. Abt., 1939–40, 101: 45–64.—**Mordberg, L. K.** Ob ispytanii moloka metilenovoj sinkoj. Izv. Imp. Voen. med. Akad., 1912, 24: 446–83.—**Morton, R. K., & Vincent, J. M.** Influence of time and temperature of storage on dye-reduction tests in milk. Nature, Lond., 1948, 162: 415.—**Müller, P. T.** Die Reduktionsprobe, ein Mittel zur Beurteilung des Frischezustandes der Milch. Arch. Hyg., Münch., 1906, 66: 108–204.—**Nai, D., Asdrubali, M., & Ciani, G.** Sul valore del metodo di Wilson nella determinazione della carica batterica del latte. Riv. biol., 1938, 25: 1–9.—**Soep, L.** [Janus green versus MB in Barthel's RT] Ned. tschr. hyg. microb., 1927–28, 2: 230–7.—**Temple, P. L., & McClemont, J.** A constant temperature water bath primarily designed for the MBRT. Med. Off., Lond., 1937, 58: 241.—**Thornton, H. R.** Modified MBR technic. Am. J. Pub. Health, 1937, 27: 791. ——— **& Hastings, E. G.** Studies on oxidation-reduction in milk; the choice of an indicator for the RT; the reduction of Janus Green B in milk. J. Bact., Balt., 1929, 18: 319–32.—**Thornton, H. R., & Sandin, R. B.** Standardization of the MBRT by the use of MB thiocyanate. Am. J. Pub. Health, 1935, 25: 1114–7. ——— **& Miller, C. S.** The substitution of MB thiocyanate for MB chloride in the RT of milk. Canad. J. Res., 1935, 13: Sec. B, 257–63.—**Uichanco, J. B.** The MBRT; its efficiency and interpretation under Philippine conditions. Philippine J. Sc., 1935, 57: 295–321.—**Whitehead, H. R.** The R of MB in milk; the influence of light. Biochem. J., Lond., 1930, 24: 579–84.—**Wilson, G. S.** The modified MBRT for the grading of raw milk on the basis of bacterial cleanliness. Vet. Rec., Lond., 1936, 16: 494–7.

—— Reactions.

Douglas, C. Ortol reaction for milk. Tr. Glasgow Path. Clin. Soc., 103–04, 10: 47.—**Polonovski, M., & Moreno-Martin, F.** Sur la signification et le mécanisme de la réaction d'Umikoff. Bull. Soc. chim. biol., Par., 1935, 17: 960–4.—**Salvioli, G.** Reazioni osservabili nel latte mescolato con alcune sostanze coloranti e metalli colloidali. Attl Accad. fisiocr. Siena, 1933, 11 ser., 1: (studi) 35–50.—**Solé, A.** Ueber eine neue Milchreaktion. Mschr. Kinderh., 1935, 63: 383; 1936, 66: 224.—**Vaudin.** Sur l'essai du lait au moyen du carmin d'indigo. Rev. hyg., Par., 1907, 29: 1065–9.

—— Reductase test [Abbrev.: ER épreuve de la reductase; R reductase; RT or RP reductase test or Reductase-probe, and equivalents]

Azzi Leal, R. *O leite, seu controle higiênico pela RP. 59p. 8° S. Paulo, 1934.

Blum, P. *Ueber die Verwendbarkeit des Janusgrüns für die RP der Milch. 30p. 8° Giessen, 1937.

Lojander, W. *Untersuchungen über den Einfluss der verschiedenartigen Behandlung der Milch auf das Resultat der R- und Aldehyd-RP. 142p. 8° Helsin., 1925.

Also Acta Soc. med. Duodecim, 1925, 6: Heft 2,41–134.

Asdrubali, M. RP per la determinazione dell'inquinamento batterico del latte crudo. Ann. igiene, 1939, 49: 218–38.—**Barthel, C.** Verwendbarkeit der RP zur Beurteilung der hygienischen Beschaffenheit der Milch. Molkereiztg, 1908, 18: 182; 193. Also Zschr. Untersuch. Nahrungsmitt., 1908, 15:

385–403. Also French transl., Rev. gén. lait, 1908–09, 7: 1; 25; 49.—**Bertin-Sans, H., & Gaujoux, E.** Les R du lait de vache: leur signification au point de vue de la valeur hygiénique du lait. Rev. hyg., Par., 1914, 36: 258–71.—**Ciani, G.** La RP secondo Wilson nella pratica del controllo igienico del latte. Azione. vet., 1939, 8: 448–56. ——— Sulla interpretazione dei risultati ottenuti con la RP secondo Wilson nel controllo batteriologico del latte. Ibid., 1940, 9: 367–71. ——— La RP come indice della colimetria del latte. Gior. batt. immun., 1940, 24: 233–52.—**De Gasperi, F., & Sangiorgi, G.** Sul valore della R- e della catalasimetria nell'apprezzamento del grado di alterazione del latte da inguinamento batterico. Riv. igiene, 1913, 14: 220–33.—**Dorner, W.** La durée de la décoloration à l'ER est-elle fonction de la teneur bactérienne du lait? Lait, 1933, 13: 595–608.—**Farias, R. de.** Da apreciação do leite, segundo as prôvas conjugadas de R e lacto-fermentação. Bol. Soc. brasil. med vet., 1939, 9: 179–81.—**García, C. M.** Nuestra RP modificada y la estimación del contenido bacteriano de la leche. Crón. méd. quir. Habana, 1940, 66: 29–36.—**Giannotti, D.** Prove di confronto fra i metodi della R al bleu di metilene ed al verde di Janus. Clin. vet., Milano, 1934, 57: 59–67.—**Grimes, M.** Rapport entre la durée de l'ER et le nombre des bactéries contenues dans le lait conservé à basse température. Lait, 1929, 9: 905–10.—**Hámory, D.** [New data on the RT of milk] Allatorv. lap., 1935, 58: 256.—**Höyberg, H. M.** Ist die RP eine wertvolle Probe im Dienste der Milchkontrolle? Zschr. Fleisch Milchhyg., 1913, 24: 107–12.—**Jacobsen, A.** Ein neuer Katalaseapparat und eine Kombination der Gärprobe, der Gärgasprobe und der RP. Ibid., 1914–15, 25: 81–4.—**Lerner, M.** [Comparative RT] Ned. tschr. hyg. microb., 1929, 4: 45–86.—**Mantovani, A.** La reductasimetría y el contralor higiénico de la leche. Actas Congr. nac. med., B. Air. (1934) 1935, 5. Congr., 7: 418–27.—**Matuszewski, T., Neyman, J.** [et al.] Une interprétation mathématique de l'ER. Lait, 1935, 15: 1057–77.—**Methylene** blue RT in milk control work. Bull. U. S. Army M. Dep., 1944, No. 82, 17.—**Padmos, W. H.** [Value of the RT for practical milk hygiene compared with the degree of acidity] Ned. tschr. hyg. microb., 1927–28, 2: 132–8.—**Rodriguez, A. de P.** Sobre o valor da RP na certificação hygienica do leite. Brasil med., 1924, 38: 60–3.—**Schern, K.** Beobachtungen über die Schardinger-Reaktion der Milch. Biochem. Zschr., 1909, 18: 261–84.—**Skar, O.** Verhalten der Leukozyten der Milch bei der Methylenblau-RP. Molkereiztg, 1913, 23: 373. ——— La prueba de la reductasa. Rev. hig. san. pecuar., Madr., 1931, 21: 688–90.—**Soep, L.** Le vert janus en face du bleu de méthylène dans l'essai à la R selon Barthel. Lait, 1927, 7: 927–35.—**Thornton, H. R.** Reduction of Janus green B in milk. J. Bact., Balt., 1929, 17: 34.—**Whitehead, H. R.** The methylene blue RT. N. Zealand J. Sc., 1930–31, 12: 100–7.

—— Resazurin test [Abbrev.: R for resazurin; RT for resazurin test]

Baker, W., Davis, J. G. [et al.] The synthesis and standardization of sodium resazurate for testing the hygienic quality of milk. Biochem. J., Lond., 1942, 36: Suppl., 1 (Abstr.)—**Collins, M. A., White, L. M.** [et al.] Application of RT in determining quality of raw milk and cream. J. Milk Techn., 1939, 2: 236–44.—**Johns, C. K.** The behaviour of R in milk. Canad. J. Res., 1942, 20: Sect. C, 336–46. ——— Dye concentration in R tablets. Am. J. Pub. Health, 1944, 34: 955. ——— Standardized tablets for the RT. Stain Techn., 1944, 19: 144. ——— & **Howson, R. K.** A modified RT for the more accurate estimation of milk quality. J. Milk Techn., 1940, 3: 320–5.—**National** Milk Testing and Advisory Scheme; the RT and the methylene blue test. Pub. Health, Lond., 1945–46, 59: 7.—**Russell, R. R., Palmer-Jones, T., & Moir, G. M.** The RT for detecting mastitis. Vet. Bull., Lond., 1941, 11: 824 (Abstr.)—**Schacht, F. L., & Nichols, R. E.** Studies of the resazurin-rennet test; preliminary report. J. Milk Techn., 1941, 4: 281–4.—**Thomas, S. B., & Davies, M.** The RT. Bull. Hyg., Lond., 1942, 17: 422 (Abstr.)—**Thornton, H. R., McClure, F., & Sandin, R. B.** The reduction of R in milk and aqueous solutions. Canad. J. Res., 1941, 19: Sect. B, 39–48.—**Twigg, R. S.** Oxidation-reduction aspects of R. Nature, Lond., 1945, 155: 401.—**Watts, P. S., & Stirling, A. C.** Mastitis and the RT. Vet. Rec., Lond., 1944, 56: 83–5.

—— Tuberculin test.

See **Milk grading,** Grade A milk.

MILK therapy.

Abbrev.: LT for lactotherapy, leite na terapia, and equivalents; MK for Milchkure; MT for Milchtherapy.

See also **Milk ferment; Milk injection; Milk nutrition; Milk protein; Milk serum.**

Feylessouf Nassrollah. *Lactotherapie; 1) per injectionen, 2) per os, 3) per usum extractorum. 43p. 8° Berlin-Friedenau, 1929.

Kottmann, J. B. K. Der Weissenstein; die Milch- und Molkenkuren, auch Molkenbäder auf dem Jura bei Solothurn. 130p. 17cm. Solothurn, 1829.

Buess, H., & Mamlock, G. La LT de los tiempos modernos. Actas Ciba, B. Air., 1948, 373–80. Also Actas Ciba, Rio, 1949, 16: 186–92.—**Cerqueira Pereira, F. de.** Sobre a LT. Rev. med. cir. Brazil, 1926, 34: 127–30.—**Lait** chez les malades. J. méd. chir., Par., 1936, 107: 447–53.—**Müller-Lenhartz.** Mehr Milch, weniger Arznei. Zschr. Fleisch Milchhyg., 1937–38, 48: 128.—**Schäffer.** Kurmilch und MK. Prakt. Arzt, 1906, 46: 232–40.—**Soeiro de Souza, F.** A LT. Fol. méd., Rio, 1925, 6: 186.—**Van Hoosen, B.** Galactotherapy. Tr. Alumnae Ass. Woman's M. Coll. Pennsylvania, 1920, 45: 42–50.

—— Biological effect.

Filia, A. L'eliminazione dell'acido urico per il latte. Biochim. ter. sper., 1910–11, 2: 395; 1911–12, 3: 20–5.—**Giani, P.** Equilibri delle difese immunitarie; azione del latte sul decorso dell'infezione sperimentale da stafilcocco. Gior. batt. immun., 1932, 9: 880–94.—**Gregory, W. S.** Antitoxic milk. West. M. Times, 1925–26, 45: 72.—**Nandō, N., Simura, Y., & Makino, K.** Kossetu no tiyu ni kan-suru zikken-teki kenkyū; Vitamin D, tō, oyobi gyūnyū tairyō tōyo ga kossetu no tiyu ni oyobosu eikyō [Experimental studies on the healing of fracture; the effect of maximal doses of vitamin D, of sugar, and of milk on the healing of fracture] Kōkūbyōgakkai zassl, 1938, 12: 385–7.

—— dietetic [Abbrev.: MD for milk diet; RL for regimen lacteo and equivalents]

Barchudaroff, M. *Ueber die Karellkur. 45p. 8. Berl., 1911.

Porter, C. S. Milk diet as a remedy for chronic disease. 8. ed. 280p. 17cm. Los Gatos, 1919.

Santos Graça, J. J. dos. *Algumas considerações sobre o emprego da dieta lactea. 77p. 8° Lisb., 1879.

Tomson, W. B. Fluid milk in its relations to the tuberculous and tuberculosis care committees. 48p. 8° Lond., 1932.

B., R. W. Karell diet; the eponym. N. England J. M., 1941, 225: 465.—**Boles, R. S.** Karell diet. Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 366–8.—**Clément, R.** Le RL en thérapeutique. Presse méd., 1933, 41: 553.—**Cohen Tervaert, D. G., & Lier, E. H. B. van.** Eenige mededeelingen over MD bij slepende nierziekte. Onderzoek. Physiol. laborat. Utrecht, 1916, 17: 230–46.—**Crewe, J. E.** MD in sanitarium treatment; an account of practical experience in using a MD for curative purposes, and to bring about correct functioning in the alim. tract. Certif. Milk, 1930, 4: 1–3.—**Eberding, W.** Erfolgreiche Anwendung einer reinen MD. Schweiz. med. Wschr., 1926, 56: 424.—**Ferrabouc, L.** Sur le lait fourni aux malades dans les hôpitaux. Ann. hyg., Par., 1941, 19: 237–43.—**Forti, C.** Ricerche sperimentali sulle diete lattee. Arch. fisiol., Fir., 1943, 43: 118–65.—**Freyberger, L.** Milk and MD. Treatment, Lond., 1903–04, 7: 727; passim.—**Grau San Martín, R.** El RL en la diabetes. An. Acad. cienc. méd. Habana, 1922–23, 59: 315–20.—**Greene, C. H.** Standards of nutrition in relation to therapeutic diets. Certif. Milk, 1942, 17: No. 194, 3.—**Ide, M.** Le RL. Rev. méd. Louvain, 1923, 24–7.—**Jack, G. N.** The loppered MD, including references to its benefits in post-operative disturbances. and metabolic defectives. Buffalo M. J., 1917–18, 73: 174–8.—**Karell, P.** Ueber MK. Bl. klin. Hydrother., 1906, 16: 137–58.—**Labbé, H., & Vitry, G.** Relations entre le RL et l'indicanurie. C. rend. Soc. biol., 1907, 63: 677–9.—**Legendre.** L'alim. des malades (diète lactée) Clinique, Par., 1908, 3: 615.—**Mader, A.** Milk-free diet in pyuria and eczema of children. Ind. J. Pediat., 1934, 1: 99–103.—**Petteruti, G.** Della bromatologia clinica; latte. Med. ital., 1906, 4: 221; 264.—**Raudnitz, R. W.** Milk. In: Dis. Child. (Pfaundler & Schlossmann) Phila., 1908, 1: 303–39.—**Renaud, M.** Les RL; le lait aliment, le lait agent thérapeutique. Rev. crit. path., Par., 1930, 1: 168–72.—**Salgado Filho.** Dificuldades na prescrição da dieta láctea. Rev. brasil. med., 1946, 3: 61.—**Taddei, P.** La LT nell'infezione tifosa. Riv. ital. ter., 1930, 4: 86–93.—**Wadi, W.** Ueber den Wirkungsmechanismus der Karellschen MK. Deut. med. Wschr., 1928 54: 1838.

—— External use of milk.

Bruck, C. Milch als Hautpflege- und Hautheilmittel. Deut. med. Wschr., 1927, 53: 322.—**Gardemin, E.** Der Milchwickel. Hippokrates, Stuttg., 1936, 7: 816–9.—**Grgurina, A.** Ueber die Heilkraft von Rohmilchumschlägen. Ars medici, Wien, 1933, 23: 159.—**Rehn, L.** Ueber die Verwendung von Milchsalben bei Hautkrankheiten. Münch. med. Wschr., 1929, 76: 2010.—**Tümmers, H., & Rosenberg, W.** Dermatotherapeutische Erfahrungen mit den Milkudermpräparaten. Derm. Wschr , 1928, 86: 757–9.

—— History.

Bongert, J. 25 Jahre Berliner MK-anstalt. Zschr. Fleisch Milchhyg., 1913, 24: 28–31.—**Buess, H., & Mamlock, G.** Die Milch in der Therapie der neueren Zeit. Ciba Zschr., Basel,

1917–48, 10: 4266–72.—**Ebstein, E.** Ueber Milk in älterer und neuerer Zeit. Med. Klin., Berl., 1908, 4: 1465–8.

—— homeopathic.

Roberts, H. A. The milks as homoeopathic agents. Homoeop. Rec., 1941, 57: 5–11.

—— Indications.

CORNIC, R. *De la galactothérapie particulièrement dans les maladies infectieuses; essai dans la tuberculose expérimentale du chien [Alfort] 63p. 8° Par., 1934.

GOURAY, H.-A. *Etude des applications médicamenteuses du lait. 46p. 8° Par., 1931.

Belin. De l'emploi du lait comme galactogène. Rev. path. comp., Par., 1919, 19: 302–5.—**Chatterjee, S. K.** Milk treatment of erysipelas. Calcutta M. J., 1931–32, 26: 419.—**Crewe, J. E.** The use of milk in the treatment of human disease. Vet. Med., Chic., 1926, 21: 278–82. Also Med. Rev. of Rev., 1928, 34: 561–70.—**Denti, A. V.** La galactoterapia in oculistica. Boll. ocul., 1923, 2: 85–103.—**Giani, P., & Samarani, F.** Breve nota sull'uso del latte negli ospedali di guerra. Gior. med. mil., 1917, 65: 41–6. Also Morgagni, 1917, 59: pt 2, 129–35.—**Hertod, M. F.** Lactis usus in empyemate. Misc. med. phys. Acad. natur. curios. germ., Par., 1672, 1: 79. ——— Usus lactis in putridis. Ibid., 84.—**Medovikov, P. S.** Parnoe korovje moloko, kak lcéebnoe sredstvo pri éeludoćno-kišećnykh zabolevanijakh. Russ. vrach, 1911, 10: 2034–40.—**Norris, J. C.** Therapeutic uses of milk in certain important diseases. Certif. Milk, 1935, 10: 1; passim.—**Pinkof.** Goedkoope melk voor zieken. Ned. tschr. geneesk., 1917, 2: 1257–60.—**Porcher, C.** Les emplois du lait dans la thérapeutique en dehors de la diététique. Lait, 1928, 8: 121–8.—**Solt, P.** Die Milch als Haemostaticum. Ther. Mhcfte, 1906, 20: 479–83.—**Tanon, L.** Sur l'emploi du lait comme antitoxique dans les différentes industries. Bull. Acad. méd., Par., 1939, 3. ser., 121: 87.—**Vespucci, P.** Therapeutica bacteriophagica e therapeutica lactica. Arq. biol., S. Paulo, 1934, 16: 27.

—— Medicated milk.

See also **Milk modification** subheadings; also **Milk (vitaminized)**

Denigès, G. Contribution à l'emploi du lait comme véhicule de médicaments. Gaz. sc. méd. Bordeaux, 1933, 54: 370–2.—**Introduction** (De l') des médicaments dans le lait des animaux. Année sc. indust., Par., 1860, 4: 384–9.

—— Pharmaceutical preparations.

See also **Milk serum**, Therapeutic use.

Bruhn, F. Sahne-Arznei Rhöna. Ther. Neuheit., 1910, 5: 219–24.—**Feil, L.** Therapie mit verbesserter kochsalzfreier Milch, Pennac. Schweiz. med. Wschr., 1942, 72: 627–9.—**Klemperer, J.** Ein Fall von Xifalmilchvergiftung. Psychiat. neur. Wschr., 1928, 30: 191.—**Lecoq, R.** A propos d'un lait thérapeutique. Lait, 1932, 12: 847–9.—**Zaribnicky, F.** Penicillinwirkung in Milch. Wien. tierärztl. Mschr., 1947, 34: 775–8.

MILK tooth.

See under **Dentition.**

MILK trade.

See **Milk marketing; Milk merchandizing.**

MILK transportation.

See also **Milk distribution; Milk supply.**

Anantakrishnan, C. P., Dastur, N. N., & Kothavalla, Z. R. Transport of milk in warm condition. Current Sc., Bangalore, 1946, 15: 354–6.—**Barthélemi, G.** A propos de gares laitières. Lait, 1936, 16: 587–92.—**Giroux, J.** Le ramassage, le transport des laits. Ann. hyg., Par., 1935, n. ser., 13: 185–97.—**Göransson, R. N.** Le transport par chemin de fer du lait aux Etats-Unis. Lait, 1926, 6: 500–2.—**Györkös, E.** Budapest tejszállító vidékei. Statiszt. ért., 1940, 231–5. ——— A Budapestre felhozott tejmennyiség szállítási távolsága. Ibid., 247–53.—**Heinemann, P. G.** The best methods of collecting and transporting milk destined as food for infants. Tr. Am. Ass. Study & Prev. Inf. Mortal. (1911) 1912, 2: 276–80.—**Kohn-Abrest, E.** Avantages de l'emploi de l'aluminium pour le transport et la manipulation du lait. Ann. falsif., Par., 1949, 42: 161–5.—**Kurmann, O.** Moyens techniques pour le traitement et le transport du lait. Lait, 1939, 19: 652–9.—**Lichtenberger, B.** Le transport actuel du lait frais. Ibid., 1928, 8: 4–13.—**Milk-supply** (The) of London: some personal observations upon its railway transport. Lancet, Lond., 1907, 1: 1116; passim.—**Roy, L.** Le transport des laits et la fabrication du gruyère. Lait, 1932, 12: 670–5.—**Schroeder, M. C.** Transportation of milk. Science, 1913, n. ser., 38: 375.—**Taffoureau, M.** Moyens techniques pour le traitement et le transport du lait. Lait, 1939, 19: 644–52.

MILK type.

Basak, K. C., & Guha, B. C. The influence of cow's, goat's and buffalo's milk on the growth of rats; a statistical note. Ind. J. Pediat., 1936, 3: 235–40.—**Benvenuto, F., & Segnini, U.** I gruppi di latte. Lattante, 1941, 12: 418–24.—**Burr, A.** Ziegenmilch, Schafmilch, Büffelmilch, Eselinnenmilch, Stutenmilch, Kamelmilch. In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909, 815–32.—**Castro Marçal, J. M. de.** Os grupos de leite. Hora méd., Rio, 1938, 2: 71–3.—**Dujarric de la Rivière, R., & Kossovitch, N.** Groupes de laits. Bull. Acad. méd., Par., 1937, 3. ser., 117: 270–5. Also Lait, 1938, 18: 474–81.—**Hawley, E. E., & Mast, E. E. M.** Composition of milks of various mammals. In their Fundam. Nutr., Springf., 1940, 382.—**Raudnitz, R. W.** Kurze Zusammenstellung der chemischen Zusammensetzung und der Eigenschaften der verschiedenen Milcharten. In: Handb. Milchk. (Sommerfeld, P.) Wiesb., 1909, 833–5.

—— Buffalo [Abbrev.: BM for buffalo milk]

Achaya, K. T., & Banerjee, B. N. The fatty acid and glyceride structures of Indian BM and depot fats, and some characteristics of Eastern animal fats. Biochem. J., Lond., 1946, 40: 664–9.—**Ahmed Ghoneim.** Relation between fat and (a) protein, (b) heat value in BM. Nature, Lond., 1946, 158: 342. ——— **Taha el-Katib, M., & el-Maghrabi, M.** Chemical composition of Egyptian BM and its relation to milk laws. J. Egypt. M. Ass., 1947, 30: 418–20.—**Burr, A.** Die BM; ihre Eigenschaften und Verwertung. Molkereiztg, 1907, 17: 193.—**Ghosh, N. K., & Datta Roy, B. K.** On the composition of BM and the detection of adulterated samples passed as cow milk. Ind. M. Gaz., 1941, 76: 279–82.—**Gutiérrez, M.** The freezing point of carabao's milk and its use in the detection of added water. Acta med. philip., 1940–41, 2: 497–510.—**Narasimhamurty, G.** On the composition of BM and the detection of adulterated samples passed as cow milk. Ind. M. Gaz., 1941, 76: 506.—**Pissarewsky, J. Y.** Contribution à l'étude du lait de bufflesse; production, propriétés et composition, dérivés. Lait, 1936, 16: 465; passim.

—— Camel.

Dhingra, D. R. The component fatty acids and glycerides of the milk-fat of Indian camels. Biochem. J., Lond., 1934, 28: 73–8.

—— Cat.

Commaille, A. Analyse du lait de chatte. J. chim. méd., Par., 1867, 5. ser., 3: 7.

—— Cow.

Griaule. Coutumes abyssines relatives au lait de vache. Lait, 1941, 21: 338–46.—**Groud, C.** Sur le lait de vaches. Rev. path. comp., Par., 1925, 25: 841–4.—**Ohler.** Beobachtungen über die qualitativen und quantitativen Verschiedenheiten der Kuhmilch und deren Ursachen. Münch. tierärztl. Wschr., 1911, 55: 377–82.—**Pardiñas, E.** Estudio comparativo sobre la leche de vaca. Actas Congr. med. nac. Habana, 1905, 1: 470–4.—**Thompson, O. P.** Cow's milk. Bull. Iowa Inst., 1919, 21: 177–80.

—— Deer.

Gezelius, G. Ueber D-Vitamingehalt der Renntiermilch. Acta paediat., Upps., 1944–45, 32: 422–5.—**Hill, R. L.** The analysis of milk secreted by a suckling doe kid. J. Biol. Chem., 1918, 33: 391–3.

—— Differentiation.

Austen, W. Recherche du lait de chèvre dans les mélanges avec le lait de vache. Ann. falsif., Par., 1921, 14: 406–8.—**Bernardini, F., & Rossi, B.** Sulle mescolanze del latte di vacca con latte e con siero di latte di pecora. Ann. igiene, 1932, 42: 453–61.—**Biedert, P.** Die weiteren Schicksale der von mir unter Kehrers Leitung unternommenen Untersuchungen über die chemischen Unterschiede der Menschen- und Kuhmilch. Arch. Gyn., Berl., 1907, 81: 1–45.—**Bomskov, C., & Nissen, H.** Ueber organische Phosphorverbindungen in Ziegenmilch und Stutenmilch. Zschr. Kinderh., 1932–33, 54: 775–8.—**Bosworth, A. W., & Van Slyke, L. L.** A comparison of the composition of cow's milk, goat's milk and human milk. J. Biol. Chem., 1916, 24: 187.—**Catel, W.** Pharmakologische und chemische Untersuchungen über Frauen- und Kuhmilch sowie ihre Molken. Jahrb. Kinderh., 1929–30, 3. F., 76: 132–80.—**Davidsohn, H.** Neue Methode zur Unterscheidung von Frauenmilch und Kuhmilch, zugleich ein Beitrag zum Studium des lipolytischen Milchferments. Zschr. Kinderh., 1913, Orig., 8: 14–23.—**Dhingra, D. R.** The component fatty acids and glycerides of the milkfats of Indian goats and sheep. Biochem. J., Lond., 1933, 27: 851–9.—**Engel, C.** De voedingswaarde van melk; vergelijking van koemelk en vrouwenmelk. Voeding, 1947, 8: 194–204.—**Frongia, E.** Prove comperative chimiche, sierologiche e biologiche per la diagnosi del tipo animale del latte in commercio. Gior. Soc. ital. igiene, 1929, 51: 166–85.—**Funaro, A., & Musante, L.** Le lait de brebis dans les falsifications du lait de vache. Ann. falsif., Par., 1911, 4: 403–5.—**Gershenfeld, L.** Cow's milk and human milk. Am. J. Pharm., 1932, 104: 176–220.—**Grimbert, L.** Recherche du lait de vache dans le lait d'ânesse. J. pharm. chim., Par., 1909, 6. ser., 30: 298–

300.—**Hilditch, T. P., & Jasperson, H.** The component acids of milk fats of the goat, ewe and mare. Biochem. J., Lond., 1944, **38**: 443–7.—**Holtreman do Rego, J.** Die Verfälschung der Kuhmilch mit Schafmilch hygienisch und chemisch beurtheilt. Arq. Inst. centr. hig., 1914, **1**: 213–67.—**Janoshek, A.** Zur Unterscheidung von reiner Kuhmilch und reiner Ziegenmilch nach Dr. F. G. Kohn. Zschr. Fleisch Milchhyg., 1929–30, **40**: 93–5.—**Kasahara, M., & Ogata, S.** Eine neue Methode zur Unterscheidung von Menschen- und Tiermilch durch biophysikalische Methode. Zschr. Kinderh., 1939, **61**: 28–30.—**Kayser, M. E.** Le lactotest de Koschuscharoff; le moyen le plus simple pour rechercher l'addition du lait de vache au lait de femme. Lait, 1938, **18**: 930–4.—**Kreidl, A., & Lenk, E.** Kapillarerscheinungen an Frauen- und Kuhmilch. Sitzber. Akad. Wiss., math-naturw. Kl., 1910, **119**: 365–88.—**Laxa, O.** Les différences biochimiques entre le lait de brebis et le lait de vache. Rev. gén. lait, 1914, **9**: 529–36.—**Legros, J.** Le dépistage de la fraude par lait de vache, de chèvre ou de brebis dans le lait de femme fourni au lactarium. Pédiatrie, 1949, **4**: 561–9.—**Lenk, E.** Die chemischen und physikalischen Unterschiede zwischen Frauen- und Kuhmilch. Naturwiss. Wschr., 1912, **11**: 374–7.—**Lespérance, J.** Lait de femme et lait de vache. Mém. Congr. Ass. méd. fr. Amérique du Nord (1904) 1905, 2. Congr., 431–40.—**Levine, V. E.** The differences between cow's milk and woman's milk. Arch. Pediat., N. Y., 1926, **43**: 353–79.—**Mantovani, G.** Méthode pratique pour mettre en évidence l'adjonction du lait de vache au lait de chèvre. Lait, 1938, **18**: 240–3.—**Marquardt, J. C.** Detecting cow-goat milk mixtures. J. Milk Techn., 1940, **3**: 144.—**Mazzeo, M.** Sull'anello colorato di Schern e Gorli; differenziazione rapida del latte vaccino da quello ovino e caprino. Clin. vet., Milano, 1936, **59**: 717–20.—**Meigs, A. V., & Marsh, H. L.** The quantitative analysis of human and of cows' milk. Tr. Coll. Physicians Philadelphia, 1911, 3. ser., **33**: 227–44.—**Michel, C.** Lait de chèvre et lait d'anesse. Rev. hyg. méd. inf. 1909, **8**: 516–40.—**Mori, F.** Eine neue Methode zur Unterscheidung von Menschen- und Tiermilch. Acta paediat. jap., 1938, **44**: 12 (Abstr.)—**Nakanisi, H.** Ueber die Cholesteringehalt der Milch von verschiedenen Tierarten. Nagoya J. M. Sc., 1931, **5**: 190.—**Nosu, S.** Zinnyū oyobi gyūnyū no kagakuteki iti sin-kanbetu-hō ni tuite [A new method of chemical judgment of human milk and cow's milk] Zika zassi, 1931, 1232–5.—**Nottbohm, F. E., & Philippi, K.** Angleichung einiger Aschenbestandteile von Kuh- und Schafmilch an diejenigen des Blutes. Zschr. Untersuch. Lebensmitt., 1933, **65**: 551–61.—**Parmentier & Deveux.** Déterminer par l'examen comparé des propriétés physiques & chimiques la nature des laits de femme, de vache, de chèvre, d'anesse, de brebis et de jument. In: Observations (Rozier) Par., 1790, **37**: 361; 415.—**Rodkey, F. L., & Ball, E. G.** A rapid test for distinguishing human from cow's milk based upon a difference in their xanthine oxidase content. J. Laborat. Clin. M., 1946, **31**: 354–6.—**Schwarz, A.** Ein Beitrag zu den Unterschieden zwischen Kuh- und Menschenmilch. Jahrb. Kinderh., 1909, n. F., **70**: 441–57.—**Spinelli, F.** Ricerca dell'indicano nel latte di vacca e di capra. Boll. Soc. ital. biol. sper., 1946, **22**: 211.—**Todd, C.** Some experiments on the differentiation of cow and buffalo milk. Rep. Pub. Health Laborat., Cairo, 1918, 25–7. Also Ann. falsif., Par., 1919, **12**: 82–5.

—— Dog.

Anderson, H. D., Johnson, B. C., & Arnold, A. The composition of dog's milk. Am. J. Physiol., 1940, **129**: 631–4.—**Grimmer, A. H.** Lac caninum. Homoeop. Rec., 1946–47, **62**: 355–61.

—— Dolphin.

Eichelberger, L., Fetcher, E. S., jr. [et al.] The composition of dolphin milk. J. Biol. Chem., 1940, **134**: 171–6. Also Am. J. Physiol., 1940, **129**: 487 (Abstr.)

—— Donkey.

Babonneix, L. Le lait d'ancsse. Gaz. hôp., 1935, **108**: 1432.—**González-Díaz, C., & Cravioto, R. O.** Contribución al estudio de la composición de la leche de burra. An. Esc. nac. cienc. biol., Méx., 1945–47, **4**: 371–4.—**Porcher, C.** Le lait d'anesse. Lait, 1928, **8**: 268–70.—**Vernet, E.** Du pays où l'on fait voler les ânes, à une nouvelle machine à traire. Rec. méd. vét., 1947, **123**: 551–3.—**Wagner.** Ueber den Fettgehalt Eselinmilch. Zschr. Untersuch. Nahrungsmitt., 1906, **12**: 658.

—— Echidna.

Marston, H. R. The milk of the monotreme; Echidna aculeata multiaculeata. Austral. J. Exp. Biol., 1926, **3**: 217–20.

—— Elephant.

Anselmi, S., & Calò, A. Sul latte di elefante. Rendic. Ist. sup. san., Roma, 1949, **12**: 372–81.—**Krauze, S., & Legatowa, B.** Analyse d'un lait d'éléphant. Mitt. Lebensmitteluntersuch., Bern, 1949, **40**: 321–4.

—— Ewe [Abbrev.: LB for lait de brebis, and equivalents]

Boyer, L., & Sajous, P. Le LB corse. Ann. falsif., Par., 1922, **15**: 402–5.—**Comte.** Le LB corses. J. pharm. chim., Par., 1906, 6. ser., **24**: 199–204.—**Falaschini, A.** Studio sulle variazioni del latte di una pecora vissana durante un lattazione. Boll. Soc. eustach., 1931, **2**: 215–27.—**Kvatchkoff, I.** Considérations sur le lait caillé bulgare de brebis (Kisselo mleko ou Kvasseno mleko) Rev. hyg., Par., 1936, **58**: 454–70. Also Lait, 1937, **17**: 472–88.—**Laxa, O.** La production et les qualités du lait de la brebis valaque. Rev. gén. lait, 1908–09, **7**: 289, 4 pl.; passim. ——— Les produits laitiers du Monténégro (quelques notions sur la laiterie ovine) Ibid., 1909–10, **8**. 179; 201, 2 pl.—**Martin, R., & Bejambes.** Variations de la composition des LB au cours de la lactation. Ann. falsif., Par., 1923, **16**: 599–602.—**Peirce, A. W.** Further observations on the milk of the Merino ewe. Austral. J. Exp. Biol., 1936, **14**: 187–92.—**Ritzman, E. G.** Ewes' milk; its fat content and relation to the growth of lambs. J. Agr. Res., 1917, **8**: 29–36.—**Schmidt, H. W.** Die Verwertungsmöglichkeiten der Schafmilch; ein Wort zu der aufstrebenden Milchschafhaltung in Deutschland. Ernährung, 1944, **9**: 44–6.—**Vlaminck & Elghozy, F.** Le LB des Basses-Pyrénées et ses falsifications. Ann. falsif., Par., 1929, **22**: 542–7.

—— Goat [Abbrev.: GM for goat's milk; LC for lait de chèvre; ZM for Ziegenmilch]

See also **Milk nutrition, Pathological effect: Anemia.**

Brühler, R. ZM und Säuglingsernährung. Schweiz. Arch. Tierh., 1927, **69**: 153–6.—**Bryan, C. S.** The bacterial content of GM. Am. J. Vet. Res., 1942, **3**: No. 6, 92–5.—**Chollet, A., & Camus, A.** Etude de la matière grasse du LC, son application éventuelle à la recherche du mélange; LC et lait de vache. Lait, 1937, **17**: 135–41.—**Dengo Bonilla, M.** Análisis químico de la LC. Farmacia, S. José, 1948, **2**: 72–5.—**Eder, G.** Etwas über die Erzeugung und Eigenschaften der ZM. Milchwirtsch. Ztg, 1942, **50**: 615.—**Fasold, H., & Heidemann, E. R.** Ueber die Gelbfärbung der Milch thyreopriver Ziegen. Zschr. ges. exp. Med., 1933–34, **92**: 53–6.—**Hill, L. W.** Immunologic relationships between cow's milk and GM. J. Pediat., S. Louis, 1939, **15**: 157–62.—**Holmes, A. D.** Decrease of reduced ascorbic acid in GM during storage. Food Res., 1949, **14**: 468–71. ——— **Kuzmeski, J. W.** [et al.] GM as a source of bone-building minerals for infant feeding. Am. J. Dis. Child., 1946, **71**: 647–53.—**Holmes, A. D., Lindquist, H. G.** [et al.] The vitamin content of commercial winter GM. N. England J. M., 1945, **232**: 72–6.—**Holmes, A. D., Lindquist, H. G., & Finnegan, E. J.** Reduced ascorbic acid in GM. J. Am. Diet. Ass., 1950, **26**: 179–81.—**Husler, J.** [ZM] Münch. med. Wschr., 1941, **88**: 740.—**James, C., & Aud'houi, V.** Cures de petit-lait de chèvre. In their Guide prat. eaux minér., 13. ed., Par., 1889, 201.—**Krenn, J.** Zum Nachweis von ZM in Kuhmilch. Zschr. Untersuch. Lebensmitt., 1933, **65**: 297–304.—**Leistner, W.** Eine ZM-probe mit Bact. putidum. Berl. tierärztl. Wschr., 1949. 5.—**Marquardt, J. C.** GM and its supervision. J. Milk Techn., 1939, **2**: 280–5.—**Mihara, K., & Hayasi, M.** Yagi-nyū eiyō ni kansuru kenkyū [Studies on the nutr. value of GM] Kōsei kagaku, 1942, **3**: 590–2. ——— Nōson yagi-nyū eiyō-zi ni tuite no seiseki [Results of the farm children fed with GM] Ibid., 1943, **4**: 439–54.—**Moreno, R. T.** Utilidad de la LC. Bol. san., B. Air., 1942, **6**: 651–5.—**Nakabati, H.** Nyūzi yagi-nyū eiyō seiseki [Results in feeding nursing infants on GM] Rinsyo naika syonika, 1948, **3**: 24–6.—**Nakagawa, I.** Yagi-nyū no eiyō-ka [The nutr. value of GM] Kōsei kagaku, 1943, **4**: 378–83.—**Okada, T.** Yamagata-ken-ka no yaginyū eiyō-zi tyōsa seiseki [Results of the investigation of the children fed with GM in Yamagata-prefecture] Acta paediat. jap., 1944, **50**: 122–30.—**Ramos Espinosa, A.** Cabras o lo que se quiera. Medicina, Méx., 1942, **22**: Suppl., 61.—**Schnabel, A. G.** Something about GM, with reflections. Eclect. M. J., 1908, **68**: 605–9.—**Seno, Y.** Yagi-nyū-tyū ni okeru sibō oyobi rinsitai ni tuite [Fats and phospholipids in GM] Tokyo ika daigaku zassi, 1948, **6**: 8–16.—**Takabayasi, T., Kubo, M.** [et al.] Tibaken-ka ni okeru yagi-nyū eiyō-zi tyōsa seiseki [Results of the investigation of the children fed with GM in Tiba prefecture] Acta paediat. jap., 1944, **50**: 131–42.—**Takahasi, K.** Untersuchungen über experimentale ZM-anämie. Ibid., 1939, **45**: 64 (Abstr.)—**Takeda, H.** Yagi-nyū eiyō-zi no ketueki-zō, sekkekkyū teikō, ketueki-nai tetu, enso oyobi syokuen gan-ryō narabi-ni kessei-nai muki-rin oyobi calcium ganryō ni tuite [The blood-picture, erythrocytic resistance, iron, chlorine and cooking-salt in the blood, and inorganic phosphorus and calcium, in infants fed on GM] Ibid., 1943, **49**: 1005–19. ——— Yagi-nyū eiyōzi no kotuzui-zō, hinketu tiryō seiseki narabi-ni kotu-roentgen-zō ni tuite [Condition of the medulla of bones of the children fed with GM and the result of the treatment of anemia in such children and also the roentgenographs of bones] Ibid., 1944, **50**: 69–82.—**Wood, A. J.** A note on GM. Intercolon. M. J. Australasia, 1905, **10**: 188–91.—**Zeisset, A., & Grossfeld, J.** Grosszahluntersuchung über Kennzahlen von ZM-fett. Zschr. Untersuch. Lebensmitt., 1942, **83**: 385–99.

—— Guinea pig.

Engelbert, V. E. Fat content of guinea-pig milk. Science, 1945, **101**: 459.—**Glimstedt, G., Moberg, H. A., & Widmark, E. M. P.** Der Stoffwechsel bakterienfreier Tiere; die Gewinnung von Meerschweinchenmilch. Skand. Arch. Physiol., Berl., 1937, **76**: 148–57.—**Neymark, M.** Die Zusammensetzung der Meerschweinchenmilch. Ibid., 158–61.

—— human.

See **Breast-milk.**

—— Mare.

Cimmino, A. La vitamina C nel latte degli equini. Ann. igiene, 1940, **50:** 471.—**Holmes, A. D.** Enhancing the riboflavin content of mare's milk. N. England J. M., 1946, **235:** 360–2. ——— & **Jones, C. P.** Stability of reduced ascorbic acid in mares' milk. J. Nutrit., 1947, **34:** 113–9.

—— Marsupials.

Ducceschi, V. Il latte dei marsupiali. Arch. fisiol., Fir., 1907–08, **5:** 413–24.

—— Monkey.

Schumacher, H. M. Die chemische Zusammensetzung der Milch eines anthropoiden Affen (Orang-Utan) Zschr. Kinderh., 1934, **56:** 415.—**Van Wagenen, G., Himwich, H. E., & Catchpole, H. R.** Composition of the milk of the monkey, M. mulatta. Proc. Soc. Exp. Biol., N. Y., 1941, **48:** 133.

—— Rat, and mouse.

Benoit, J. Sur la participation de cellules glandulaires hipopexiques intcracineuses à l'élaboration du lait, chez la souris blanche. C. rend. Soc. biol., 1921, **86:** 609–12.—**Cox, W. M., jr, & Mueller, A. J.** The composition of milk from stock rats and an apparatus for milking small laboratory animlas. J. Nutrit., 1937, **13:** 249–60, pl.—**Uyldert, I. E.** Eenige onderzoekingen over melkklier en lactatie bij ratten. Ned. tschr. geneesk., 1942. **86:** 3108–10.

—— Sow.

Bowland, J. P., Grummer, R. H. [et al.] Effect of the stage of lactation and ration on the composition of sow's milk. J. Animal Sc., 1948, **7:** 521.—**Bowland, J. P., Wu, L. M.** [et al.] The vitamin A and vitamin C content of sow's milk, blood and liver, and the vitamin D content of the milk. Ibid., 1949, **8:** 615.—**Braude, R., Coates, M. E.** [et al.] A study of the composition of sow's milk. Brit. J. Nutrit., 1947–48, **1:** 64–77.—**De la Mare, P. B. D., & Shorland, F. B.** Fat of sow's milk. Nature, Lond., 1944, **153:** 380.—**Heidebrecht, A. A., Ross, O. B.** [et al.] The toxicity and nutritional adequacy of milk from sows suckling pigs showing symptoms of baby pig disease. J. Am. Vet. M. Ass., 1950, **116:** 147.—**Hughes, E. H., & Hart, H. G.** Production and composition of sow's milk. J. Nutrit., 1935, **9:** 311–22.—**Lana, O.** La matière grasse du lait de truie. Ann. falsif., Par., 1931, **24:** 87.

—— Vixen.

Young, E. G., & Grant, G. A. The composition of vixen milk. J. Biol. Chem., 1931, **93:** 805–10.

—— Whale.

Begg, M. Ascorbic acid content of whale's milk. Nature, Lond., 1947, **160:** 430.—**Scheibe, A.** Die Zusammensetzung der Walfischmilch. Münch. med. Wschr., 1908, **55:** 795.—**Takemura, K.** Ueber die Milch verschiedener Walarten. Jap. J. Med. Sc., Biochem., 1925–32, **1:** 131–4.

MILK (vegetable)

See also **Milk substitute.**

Arvores que produzem leite. Impr. med., Rio, 1941, **17:** No. 327, 121.—**Carles, P.** Le lait végétat. J. méd. Bordeaux, 1907, **37:** 639.—**Feingold, B. F.** Calsoy; a soybean substitute for milk. J. Pediat., S. Louis, 1942, **20:** 484.—**Gutierrez, M., & Sunico-Suaco, P.** A simple method for detecting adulteration of milk with coconut milk. Acta med. philip., 1940–41, **2:** 351-3.—**Khrustalev, A.** Moloko rastitelnoe. In: Bolsh. med. encikl., 1931, **18:** 658–62.—**Macein, M.** Leches vegetales en dietoterapia infantil. Sem. méd. españ., 1943, **6:** 120–6.—**Tso, E.** A vegetable milk substitute for north China. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 271. ——— A comparison of the nutritive properties of soybean milk and cow's milk. Chin. J. Physiol., 1929, **3:** 353-62.—**Ultée, A. J. sr.** Bestanddelen van melksappen. Pharm. wbl., Amst., 1949 **84:** 65–9.—**Vegetable milk.** Good Health, 1934, **69:** 11.

MILK vitamin.

Abbrev.: V for vitamin; VL and VM for vitamin of milk, and equivalents.

See also **Milk (vitaminized)** also other main headings as **Milk fat,** Vitamins.

Le Bouëdec, M. *Les vitamines du lait. 44p. 8° Par., 1926.

Neuweiler, W. Die VM unter besonderer Berücksichtigung der Frauenmilch. 140p. 8° Bern, 1936.

Busson, A. Les VL. Rev. méd. sociale, Par., 1935, **3:** 344–6.—**Cary, C. A.** The VM and in milk production. Yearb. U. S. Dep. Agr., 1939, 668–84.—**Crawford, M. E. F., Golding, J.** [et al.] The fat-soluble VM. Biochem. J., Lond., 1930, **24:** 682–91.—**Frohring, W. O.** A synthetic V-A-free milk suitable for V-A studies in very young puppies. Proc. Soc. Exp. Biol., N. Y., 1934–35, **32:** 1021–4.—**Greenebaum, J. V.** A comparative study of the V content of certified, inspected, pasteurized and oxygenated milk of Cincinnati. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 46–68.—**Houston, J., & Zon, S. K.** V in rat's and in guinea-pig's milk. Biochem. J., Lond., 1939, **33:** 1655–9.—**Klein, L. A.** Sources of VM. Proc. Am. Ass. M. Milk Com. (1923) 1925, 17. Conf., 68–72.—**Lassablière, P.** Les VL de vache dans l'allaltement artificiel. Médecin chez lui, 1941, **18:** No. 3, 18–24.—**Lesné, E., & Vagliano, H.** Les VL., Lait, 1925, **5:** 955–64.—**McCollum, E. V.** VM; milk most nearly perfect and most effective supplemental food. Certif. Milk, 1935, **10:** No. 109, 5; No. 110, 7.—**Markuze, Z.** V of elephant's milk. Biochem. J., Lond., 1939, **33:** 198–200.—**Mouriquand, G.** Les VL. Rev. path. comp., Par., 1949, **49:** 431–49.—**Plantenga, B. P. B.** [Milk as a source of V] Geneesk. gids, 1939, **17:** 154–66.—**Randoin, L.** Les VL de vache. Bull. Soc. chim. biol., Par., 1941, **23:** 437–52.—**Scheunert.** Les éléments du lait importants pour l'alim., notamment des V. Lait, 1939, **19:** 432.—**Tobey, J. A.** Milk as a source of V. Clin. M. & S., 1932, **39:** 189–91.—**Vitamin** (The) composition of human milk. Nutrit. Rev., 1946, **4:** 134–7.—**Vitamins** and milk standards. Postgrad. M. J., Lond., 1942, **18:** 204–6.—**Von der Mühll, M.** V und Milchkonserven. Schweiz. med. Wschr., 1943, **73:** 874.

—— Antianemic factor.

Miller, F. R., & Pritchard, W. H. Presence in milk of the extrinsic factor of Castle. Proc. Soc. Exp. Biol., N. Y., 1937–38, **37:** 149–52.

—— Determination.

Lecoq, R., Chauchard, P., & Mazoué, H. Recherche de quelques V peu connues dans le lait par la méthode chronaximétrique. Rev. path. comp., Par., 1949, **49:** 468–76.—**Vinet, A., & Meunier, P.** Dosage électrophotomètrique des V-A et C dans le lait; influence de la stabilisation et de la conservation. Lait, 1941, **21:** 239–42.—**Wijngaarden, J. C. H. van.** The determination of carotene, V-A and V-C in cow's milk. Acta brevia neerl., 1934–35, **4:** 49–52.—**Willstaedt, H., & With, T. K.** Ueber die chromatographische Adsorptionsanalyse kleiner Carotinoidmengen (Mikrochromatographie) mit besonderer Berücksichtigung der Carotinoide der Milch und des Serums. Zschr. physiol. Chem., 1938, **253:** 40–6.

—— Effect of various agents.

See also **Milk modification; Milk pasteurization; Milk product.**

Jephcott, H., & Bacharach, A. L. L'effet de la dessiccation sur les VL. Lait, 1926, **6:** 249–59.—**Pien, J.** V et stérilisation sous vide. Ibid., 1937, **17:** 27–46.—**Weitzel, W.** Die VM und ihr Verhalten gegenüber chemischen, physikalischen und thermischen Eingriffen. Zschr. Fleisch. Milchhyg., 1929–30, **40:** 389–92.

—— Fluctuation.

Guggenheim, K. Seasonal fluctuations of the V-A and C content of Palestinian milks. J. Hyg., Lond., 1940, **40:** 690–8.—**Price, W. A.** Nature's methods for producing high V milks and their rôle in nutrition. Certif. Milk, 1935, **10:** No. 107, 9–18.—**Sherman, H. C.** Natural and induced variations in the V values of milk. Am. J. Pub. Health, 1933, **23:** 1031–4.—**Wolman, I. J.** The variability of the V content of milk. Certif. Milk, 1942, **17:** No. 197, 3; passim.

—— Food factor.

See also **Milk composition.**

Bubani, L. Ricerche sperimentali su alcune proprietà biologiche del latte di mucca prodotto in alta montagna. Pediat. med. prat., Tor., 1935, **10:** 745–58.—**Chanda, R., McNaught, M. L., & Owen, E. C.** The effect of thyroxine and thiouracil on some of the water-soluble VM. Biochem. J., Lond., 1949, **45:** Suppl., p. xix.—**Chick, H., & Roscoe, M. H.** Influence of diet and sunlight upon the amount of V-A and V- D in the milk afforded by a cow. Ibid., 1926, **20:** 632–49.—**Golding, J., Soames, K. M., & Zilva, S. S.** The influence of the cow's diet on the fat-soluble V of winter milk. Ibid., 1306–19.—**Holmes, A. D., Jones, C. P., & Wertz, A. W.** Ascorbic acid, riboflavin and thiamine content of cow's milk; influence of the ration. Am. J. Dis. Child., 1944, **67:** 376–81.—**Krauss, W. E.** Effect of the cow's ration on V content of milk. Bimonth. Bull. Ohio Agr. Exp. Sta., 1928, **13:** 198.—**Light, R. F., Wilson, L. T., & Frey, C. N.** Activatability of milk as affected by feeding ergosterol to cows. J. Nutrit., 1937, **14:** 453-7.—**Wagner, R., & Wimberger, H.** Ueber den Einfluss von Lebertranverfütterung an Milchkühe auf den V-gehalt der Milch; eine klinisch-experimentelle Studie. Zschr. Kinderh., 1925–26, **40:** 295–308.

—— Grass-juice factor.

Kohler, G. O., Randle, S. B. [et al.] Simplified rations for guinea pigs suitable for assay of the grass juice factor. Proc. Soc. Exp. Biol., N. Y., 1939, **40:** 154–7.

—— Vitamin A.

DINNARD, C. *Recherches sur la teneur en V-A de différents laits destinés à l'alimentation des nourissons dans la région marseillaise. 103p. 24cm. Marseille, 1939.

Andreis, N. Sul contenuto in V-A e fattore antirachitico del latte fresco e del Galapan (latte vaccino umanizzato ed essicato) Pensiero med., 1931, **20:** 203–5.—**Brouwer, E., & Holleman, L. W. J.** [V-A & C in milk and milk products] Mschr. kindergeneesk., 1932–33, **2:** 212–44.—**Brouwer, E., Meyknecht, E. A. M., & Dijkstra, N. D.** De la V-A et du carotène dans la conservation du lait et de la crème sous pression d'oxygène élevée, procédé Hofius. Lait, 1939, **19:** 673–86.—**Debré, R., & Busson, A.** Teneur en V-A des différents laits ou de certains dérivés du lait. C. rend. Soc. biol., 1933, **114:** 1297–9.—**Deco, M.** Variations saisonnières de la teneur du lait frais en V-A et en carotène. Ibid., 1939, **130:** 817.—**Dornbush, A. C., Peterson, W. H., & Olson, F. R.** The carotene and V-A content of market milks. J. Am. M. Ass., 1940, **114:** 1748–51.—**François, A.** Recherches sur le comportement biochimique et physiologique de la V-A dans la sécrétion lactée. Lait, 1946, **26:** 97; passim.—**Gologorsky, B. S.** V-A i karotin v moloke. Hig. & san., Moskva, 1948. **13:** No. 4, 21–6.—**Haas, J. H. de, & Meulemans, I. O.** [Contents of carotin and V-A in cow's milk and cow-milk products; observations on V-A prophylaxis] Geneesk. tschr. Ned. Indië, 1937, **77:** 279–88. Also Zschr. Vitaminforsch., Bern, 1938, **7:** 1–10.—**Hess, A. F., & Weinstock, M.** A study of the antirachitic factor in human and in cow's milk. Am. J. Dis. Child., 1927, **34:** 845–53.—**Lundborg, M.** Wie wirkt Erwärmen auf den A-Vitamingehalt der Milch ein? Biochem. Zschr., 1933, **259:** 27–9.—**Meigs, E. B., Hartman, A. M., & Converse. H. T.** V-A and color in hay and milk. Vet. Bull., Wash., 1935, **29:** 184–7.—**Menken, J. G.** V-A and carotene in human bloodserum and milk. Acta brevia neerl., 1934, **4:** 78.—**Miller, C. D.** The antirachitic value of winter and summer milk produced in Hawaii. J. Am. Diet. Ass., 1946, **22:** 312–4.—**Pavlov, G. N., Soldatenkov, P. F., & Cobkallo, G. I.** [Carotin and V-A contents in the lactic fat and blood under various conditions] J. Physiol. USSR, 1936, **21:** 283–92.—**Satterfield, G. H., Clegg, R. E., & Holmes, A. D.** V-A content of sheep's colostrum and milk. Food Res., 1944, **9:** 206–11.—**Supplee, G. C., & Dorcas, M. J.** L'activation antirachitique du lait au point de vue physique et biologique. Lait, 1934, **14:** 1–12, 125.—**Winzenried, H. U., & Wanntorp, H.** Der genetische Einfluss auf die Höhe des V-A- und Karotingehaltes in Milch von einelligen Rinderzwillingen. Internat. Zschr. Vitaminforsch., Bern, 1948, **20:** 134–57.

—— Vitamin A: Determination.

Amaral Rogick, F., & Amaral Rogick, L. Dosagem do caroteno e da V-A do leite. Bol. indúst. animal, S. Paulo, 1946, **8:** No. 3, 3–17.—**Chevallier, A., & Manuel, S.** Sur une technique de dosage de la V-A dans le lait. C. rend. Soc. biol., 1939, **130:** 553–5.—**Koehn, C. J.** A rapid photoelectric method for the determination of V-A and carotene in milk. J. Biol. Chem., 1940, **133:** Proc., 56.—**Niekerk, J. v.** [Quantitative data on the contents of antirachitic V in breast milk and cow's milk] Mschr. kindergeneesk., 1933, **11:** 525–30.—**Skurnik, L., & Hellén, M.** Ueber die Bestimmung und den Gehalt des A-Vitamins und Carotins in Milch und Blut. Zschr. Vitaminforsch., Bern, 1944, **15:** 52–68.—**Sobel, A. E., & Rosenberg, A. A.** Improved method for determination of V-A in milk. Abstr. Papers Am. Chem. Soc., 1948, 114. meet., 15C.—**Willstaedt, H., & With, T. K.** Om kvantitativ kemisk bestemmelse af carotinoider og A-vitamin i maelk. Nord. med. tskr., 1938, **15:** 847–54. Also Zschr. physiol. Chem., 1938, **253:** 133–42.

—— Vitamin A: Production.

Deuel, H. J., jr, Halliday, N. [et al.] The production of high V-A milk by diet. J. Nutrit., 1941, **22:** 303–13.—**Deuel, H. J., jr, Hallman, L. F.** [et al.] The effect of a high V-A intake on the blood and milk carotene of Holstein and Guernsey cows. Ibid., 1942, **23:** 567–79.—**Fasold, H., & Peters, H.** Ueber die Bedeutung des Uebertrittes des V-A in die Milch. Münch. med. Wschr., 1933, **80:** 1427–9.—**Hardenbergh, J. G., & Wilson, L. T.** The production of antirachitic milk by the feeding of dairy cattle. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1932) 1933, **21:** 106–22. Also Am. J. Pub. Health, 1933, **23:** 230–6. Also Certif. Milk, 1933, 8: No. 85, 3; No. 86, 3; No. 88, 2.—**Harris, P. L., Swanson, W. J., & Hickman, K. C. D.** Covitamin studies; effect of tocopherol supplementation on the output of V-A, carotene, and fat by dairy cows. J. Nutrit., 1947, **33:** 411–27.—**Jones, J. H.** Diet and the V-A content of milk. Vet. Extens. Q., Phila., 1944, No. 94, 16–8.—**Kirk, W. G.** The effect of the ingestion of irradiated yeast molds, and ergosterol on the antirachitic potency of ewe's milk. J. Sc. Iowa Coll., 1938–39, **13:** 235–8.—**Luce, E. M.** The influence of diet and sunlight upon the growth-promoting and anti-rachitic properties of the milk afforded by the cow. Biochem. J., Lond., 1924, **18:** 716–39, pl.—**Steenbock, H., Hart, E. B.** [et al.] Fat-soluble V; the antirachitic value of cow's milk as modified by exposure of the cow to sunlight and to radiations from a quartz mercury vapor lamp. J. Biol. Chem., Balt., 1930, **87:** 103–26.—**Underwood, E. J., & Curnow, D. H.** V-A in the nutrition of sheep in Western Australia; the V-A content of ewe's milk and colostrum. Austral. Vet. J., 1944, **20:** 282–6.—**Wyman, E. T., & Butler, A. M.** Antirachitic value of milk from cows fed irradiated yeast. Am. J. Dis. Child., 1932, **43:** 1509–18.

—— Vitamin B complex.

*PAGE, J. W., jr. The concentration and partial fractionation of the V-G factors of milk. 27p. 8°. N. Y., 1933.

Daniel, L., & Norris, L. C. Riboflavin content of milk and milk products. Food Res., 1944, **9:** 312–8.—**Daniels, A. L.** Comparison of V-B_1 content of raw and evaporated milk by the 10-day bio-assay method. Proc. Soc. Exp. Biol., N. Y., 1938, **38:** 212–6.—**Gunderson, F. L., & Steenbock, H.** Is the V-B content of milk under physiological control? J. Nutrit., 1932, **5:** 199–212.—**György, P.** Quantitative estimation of lactoflavin and of V-B_6 in cow's milk and in human milk. Proc. Soc. Exp. Biol., N. Y., 1936, **35:** 204–7.—**Halliday, N., & Deuel, H. J., jr.** The presence of free and combined thiamine in milk. J. Biol. Chem., 1941, **140:** 555–61.—**Holmes, A. D., & Holmes, J. O.** Uniformity of riboflavin content of milk produced under standardized conditions. Am. J. Dis. Child., 1943, **66:** 607–10.—**Hunt, C. H., & Krauss, W. E.** The relative antineuritic and antipellagric potency of cow's milk. J. Biol. Chem., 1928, **79:** 733–8.—**Kendall, N.** Thiamin content of various milks. J. Pediat., S. Louis, 1942, **20:** 65–73.—**Knott, E. M.** Thiamin content of milk in relation to V-B_1 requirement of infants. Am. J. Pub. Health, 1942, **32:** 1013–7.—**Lawrence, J. M., Herrington, B. L., & Maynard, L. A.** The nicotinic acid, biotin, and pantothenic acid content of cow's milk. J. Nutrit., 1946, **32:** 73–91.—**Neuweiler.** Bemerkungen über den V-B_1 -gehalt der Milch. Klin. Wschr., 1941, **20:** 1072. Also Bull. Hyg., Lond., 1942, **17:** 787 (Abstr.) Also Zschr. Vitaminforsch., Bern, 1942, **12:** 190 (Abstr.)—**Noli, C. I., & Jensen, O. G.** The chemical determination of nicctinic acid in milk and milk derivatives. J. Biol. Chem., 1941, **140:** 755–62.—**Randoin, L., & Raffy, A.** La V-B_2 dans les laits et les produits de laiterie. Bull. Soc. chim. biol., Par., 1941, **23:** 90–5.—**Riddell, W. H.** Milk as a source of V-G. J. Kansas M. Soc., 1938, **39:** 196–8. ——— The V-G, flavin, content of milk. Certif. Milk, 1940, **15:** No. 174, 5.—**Sure, B.** Availability of V in foods and food products; riboflavin balances with liquid milk, dried skimmed milk, and evaporated milk and the influence of succinyl sulfathiazole on such balances. Arch. Biochem., N. Y., 1947, **12:** 389–93.—**Vinet, A., & Meunier, P.** Dosage électrophotométrique des V-B_1 et B_2 du lait sans adsorption préalable. Lait, 1941, **21:** 236–8.—**Widenbauer, F., & Heckler, F.** Ueber den V-B_1-Gehalt der Kuh- und Frauenmilch. Zschr. Kinderh., 1938–39, **60:** 683–90.—**Williams, R. J., Cheldelin, V. H., & Mitchell, H. K.** The B vitamin content of milk from animals of different species. In: Stud. Vitamin Content (Univ. Texas) 1942, 97–104.—**Ziegler, J. A.** Photochemical destruction of V-B_2 in milk. J. Am. Chem. Soc., 1944, **66:** 1039.

—— Vitamin B complex: Fluctuation.

Fernández Flores, E., Johnson, M., & Socarrás, H. Estudio cuantitativo de la riboflavina en leches de vaca, fresca y pasteurizada; leches en polvo, condensada, evaporada y leche fresca de cabra que existen en el mercado. Rev. cubana pediat., 1947, **19:** 382–6.—**Halliday, N.** Effect of heat at varying concentrations of hydrogen ion on V-G (B_2) in protein-free milk. J. Biol. Chem., 1932, **95:** 371–85.—**Hodson, A. Z.** The pyridoxine content of fresh, pasteurized, evaporated, and dried milk. J. Nutrit., 1944, **27:** 415–8. ——— The nicotinic acid, pantothenic acid, choline and biotin content of fresh, irradiated evaporated and dry milk. Ibid., 1945, **29:** 137–42.—**Hunt, C. H., & Krauss, W. E.** The influence of the ration of the cow upon the V-B and V-G content of milk. J. Biol. Chem., 1931, **92:** 631–8.—**Peterson, W. J., Haig, F. M., & Shaw, A. O.** Destruction of riboflavin in milk by sunlight. J. Am. Chem. Soc., 1944, **66:** 662.—**Ziegler, J. A., & Keevil, N. B.** Photochemical destruction of riboflavin in milk and losses during processing. J. Biol. Chem., 1944, **155:** 605.

—— Vitamin C [Abbrev.: AA for ascorbic acid]

GELBAND, M. *L'AA, V-C, dans les laits de consommation. 64p. 8°. Par., 1937.

Antiscorbutic (The) factor in cow's milk. J. Am. M. Ass., 1936, **107:** 589.—**Auffret, C.** V-C; sang, lait. Rapp. Org. enq. ét. anthrop., Dakar, 1946, 165–7.—**Barreus, V.** Om mjölken som C-vitaminkälla. Nord. hyg. tskr., 1936, **17:** 117–27.—**Buruiana, L.** Le taux de l'AA dans le lait de quelques mammifères. Lait, 1939, **19:** 449–54.—**Cho, J.** Der Gehalt der rohen Kuhmilch an AA mit besonderer Berücksichtigung der AA-oxydase. Mitt. Med. Akad. Kioto, 1939, **26:** 432–51.—**Cimmino, A.** La V-C nel latte di donna, di vacca e di altri mammiferi. Q. nutriz., Bologna, 1938, 5: 239–88.—**Clark, V., & Ohlson, M. A.** The AA content of certain dairy beverages. J. Am. Diet. Ass., 1942, **18:** 460.—**Fonseca Ribeiro, R., & Aché, L.** Sobre o teor de V-C no leite de São Paulo. Rev. Inst. Adolfo Lutz, S. Paulo, 1941, **1:** 192–8.—**Ghosh, A. R., & Guha, B. C.** A note on the relative V-C-values of milk and curd. Ind. M. Gaz., 1935, **70:** 382.—**Gologorsky, B. S.** Vitamin C v rynočnom moloke. Hig. & san., Moskva, 1947, **12:** No. 8, 39–43.—**Gonçalves Ferreira, F. A.** O AA do leite consumido em Coimbra. Coimbra méd., 1940, **7:** 463–6.—**Guigoz, M.** Le taux de la V-C du lait de vache et son importance dans l'allm.

infantile. Lait, 1940, 20: 279–87.—**Jacobsen, J. E.** Ueber die Ursachen der geringen Haltbarkeit des V-C in der Milch. Zschr. Untersuch. Lebensmitt., 1935, 69: 306–13.—**Kō, K.** Nyūzyū no Ascorbin-san sanka-yokusei no hontai ni kan-suru kenkyū [Studies on the nature of the regulation (control) of the oxidation of AA in milk] Nippon seikagakkai kaiho, 1942–43, 17: 125–7.—**Kon, S. K., & Watson, M. B.** The V-C content of cow's milk. Biochem. J., Lond., 1937, 31: 223–6.—**Lesné & Dubreuil.** Du pouvoir antiscorbutique des différents éléments du lait. Bull. Soc. pédiat. Paris, 1923, 21: 29.—**Mácola, B. A., Fazio, C., C.** V-C en la leche de Córdoba. Rev. Soc. argent. biol., 1944, 20: 212–20.—**Mawson, E. H., & Kon, S. K.** V-C content of milk as consumed. Lancet, Lond., 1945, 2: 14.—**Mendive, J. R., & Repetto, O. M.** El contenido en V-C de las leches de consumo de la ciudad de Buenos Aires. Rev. Inst. bact. Dep. nac. hig., B. Air., 1940, 9: 487–95.—**Meulemans, O., & Haas, J. H. de.** The V-C content of cow's milk and cow's milk mixtures. Ind. J. Pediat., 1937, 4: 1–10.—**Miwa, H., & Takiyama, I.** Gyūnyū tyū no vitamin C-1-Ascorbin-san ryō ni tuite [Studies on the amount of V-C in milk] Kōsei kagaku, 1943, 4: 94–9.—**Mouriquand, G., & Stupp, H.** Lait et V-C; moyens physiques de conservation. Rev. path. comp., Par., 1949, 49: 487–9.—**Munilla, A., & Obes Polleri, J.** Sobre los factores que facilitan la oxidación del AA en la leche. Arch. Soc. biol. Montevideo, 1936–37, 7: 204–6.—**Neuweiler, W.** Ueber das Vorkommen eines Ascorbinaseschutzstoffes in der Milch. Zschr. Vitaminforsch., Bern, 1946–47, 18: 335–42.—**Nisizawa, Y., Kasahara, T.** [et al.] Vitamin-C no Stabilisierung ni tuite; nama-gyūnyū-tyū Vitamin-C no Stabilisierung ni tuite [ueber die Stabilisierung von V-C; stabilization of V-C in raw milk] Osaka igakkai zassi, 1936, 35: 493–5.—**Palladina, O. K., & Anoškina, A. A.** [V-C contents in milk and its synthesis in lactic acid fermentation] Mikrobiologia, Moskva, 1937, 6: 787–804.—**Reedman, E. J.** The AA content of milk. Canad. Pub. Health J., 1937, 28: 339.—**Riddell, W. H. & Whitnah, C. H.** Certified milk as a source of V-C. J. Kansas M. Soc., 1936, 37: 283; 298.—**Roine, P.** Effect of oxidation-reduction potential on the stability of AA in milk and in fermented milk. Acta chem. scand., 1948, 2: 97–108.—**Schiaparelli, P., & Buogo, G.** Valore di AA (V-C) in alcuni alimenti (latte vaccino, latte umano, colostro, latte in polvere, frutta) Riv. clin. pediat., 1935, 33: 789–94.—**Schlemmer, F., & Cahnmann, H.** Das V-C in der Milch. München. tierärztl. Wschr., 1932, 84: 49–51.—**Schmid, A.** La V-C dans les laits concentrés et dans les laits en poudre. Arch. méd. enf., 1937, 40: 432–42.—**Statement** pertaining to addition of AA to milk for the purpose of preventing oxidized flavor; adopted by Food and Nutrition Board, May 6, 1949. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1949, 9: 16.—**Stewart, A. P.,** jr, **& Sharp, P. F.** V-C content of market milk, evaporated milk, and powdered whole milk. J. Nutrit., 1946, 31: 161–73.—**Sugiura, M.** Cow's milk in Manchuria and Mongolia; V-C. J. Orient. M., Dairen, 1935, 23: 80.—**Vladesco, R., & Prahoveanu, H.** Le lait et la V-C, en Roumanie. Bull. Acad. méd. Roumanie, 1939, 4: 124–32.—**Wendt, G. v.** C-Vitamin-Studien; C-Vitamin in der Kuhmilch. Skand. Arch. Physiol., Berl., 1938, 80: 398–402.—**West, F. V., & Wenger, J. C.** The V-C content of certified milk at the time of consumption. Am. J. Digest. Dis., 1938–39, 5: 251.—**Zollikofer, C.** Das V-C in der Konsummilch. Nutrit. Abstr., Aberdeen, 1942–43, 12: 67 (Abstr.)

—— Vitamin C: Determination.

FREYTAG, H. *Bestimmung des V-C-Gehaltes in menschlicher und tierischer Milch [Rostock] 19p. 22cm. Barth i. Pom., 1937.

Bleyer, B. Die Bestimmung von V-C (Antiskorbutin) in Milch. Münch. med. Wschr., 1933, 80: 257.—**Giza, T.** Recherches sur le métabolisme de la V-C dans l'organisme de l'enfant; déterminations de l'acide ascorbique dans le sang, le liquide céphalo-rachidien et l'urine des enfants malades, ainsi que dans le lait de la femme et de la vache. C. rend. Acad. polon. sc., cl. méd., 1938, 4.—**Mathiesen, M.** The 2.6-dichlorphenolindophenol-reducing factor in milk compared with a biological determination of V-C. Skand. Arch. Physiol., Berl., 1939, 82: 157–66.—**Meunier, P., & Mentzer, C.** Sur le dosage de l'AA dans le lait. C. rend. Soc. biol., 1938, 129: 1075–7.—**Scarzella, M.** Ricerche sul contenuto in V-C del latte (titolazione con il metodo Tillmans) Pediat. med. prat., Tor., 1933, 8: 393–409.—**Willberg, B.** Die Bestimmung von V-C in Milch. Zschr. Untersuch. Lebensmitt., 1938, 76: 128–32.—**Woessner, W. W.** The photoelectric determination of AA (V-C) in milk and its application to whole, powdered, and evaporated milks. Summaries Doct. Diss. Univ. Wisconsin, 1940, 5: 207–9. ——— **Elvehjem, C. A., & Scheutte, H. A.** The determination of AA in commercial milks. J. Nutrit., 1939, 18: 619–26.—**Zevallos T., E.** Dosaje del AA en las leches. An. Esc. farm. Univ. San Marcos, 1939, 1: 120–32.

—— Vitamin C: Fluctuation.

Barnes, R. E., & Hume, E. M. Relative anti-scorbutic value of fresh, dried and heated cow's milk. Biochem. J., Lond., 1919, 13: 306–28. ——— A comparison between the antiscorbutic properties of fresh, heated, and dried cow's milk. Lancet, Lond., 1919, 2: 323.—**Bisogni, G., & Calendoli, G.** L'acqua ossigenata quale agente conservatore del latte e le variazioni dell'AA in esso contenuto. Boll. Soc. ital. biol. sper., 1943, 18: 322.—**Booth, R. G. & Kon, S. K.** Effect of light on the reducing substance (V-C?) in milk. Nature, Lond., 1934, 134: 536.—**Dutcher, R. A., Eckles, C. H.** [et al.] The influence of the diet of the cow upon the antiscorbutic and nutritive properties of cow's milk. Science, 1920, n. ser., 52: 589.—**Failla, G.** Influence des manipulations et de la température de conservation sur le contenu en V-C du lait destiné à l'alim. humaine. Lait, 1939, 19: 455–61.—**Gudiet, M. A.** [Decomposition of AA in milk from the effect of light] Priroda, 1937, 26: 101.—**Hand, D. B., Gunsalus, I. C., & Sharp, P. F.** Effect of the processing of milk on the reduced and total V-C content. Annual Rep. N. York Coll. Agr., 1941, 54: 120.—**Hand, D. B., Guthrie, E. S., & Sharp, P. F.** Effect of oxygen light and lactoflavin on the oxidation of V-C in milk. Science, 1938, 87: 439–41.—**Holmes, A. D., Tripp, F.** [et al.] The influence of pasteurization on the AA (V-C) content of certified milk. J. Am. Diet. Ass., 1939, 15: 363–8. ——— A study of breed and seasonal variations in the AA content of certified milk from Guernseys and Holsteins. J. Nutrit., 1939, 17: 187–98. ——— Influence of age of cow on AA content of certified milk. Food Res., 1940, 5: 263–73. ——— AA content of cow's milk at various stages of lactation. Am. J. Dis. Child., 1940, 60: 1025–30. ——— The AA content of cow's milk during pregnancy. J. Nutrit., 1941, 22: 267–71. ——— Relation of volume of daily milk production to AA content of cow's milk. Food Res., 1942, 7: 111–7. ——— AA content of cow's milk after 5 years of continuous lactation. Ibid., 370–2. ——— AA content of cow's milk during 4 successive lactation periods. Ibid., 1943, 8: 237–42.—**Hughes, J. S., & Fitch, J. B.** [et al.] Relation between the V-C content of a cow's ration of the V-C content of its milk. J. Biol. Chem., 1926–27, 71: 309–16.—**Kawasima, K.** Vitamin C ni kan-suru kenkyū; nyūzyū-tyū no vitamin C-ryō no kisetu-teki cikyō ni kan-suru tiken hoi [Studien über das V-C; supplementary information on the seasonal influences (effect) upon the V-C content of milk] Osaka igakkai zassi, 1937, 36: 539–44.—**Lavialle, P.** Le facteur C (antiscorbutique) dans le lait de vache; ses rapports avec la concentration, l'homogénéisation et la stérilisation. Médecine, Par., 1926–27, 8: 825–9. Also Lait, 1927, 7: 621–4. Also Nourrisson, 1927, 15: 157–60.—**Leersum, E. C. v.** Sur le teneur em V-C du lait cru ou pasteurisé. Bull. Soc. sc. hyg. alim., Par., 1926, 14: 391–405. Also Ned. tschr. geneesk., 1926, 70: pt 1, 338–48, pl. Also Vet. J., Lond., 1927, 83: 238–44. ——— Teneur en V-C du lait traité électriquement. Bull. Soc. sc. hyg. aliment., Par., 1927, 15: 230–44, 2 pl.—**Lilleengen, K.** Experimental researches into the influence of freezing on the C-vitamin content of orange juice and milk. Acta paediat., Upps., 1935–36, 18: 392–418.—**Lindberg, A.** Om kogningens indflydelse paa ascorbinsyreindholdet imaelksamt om tilsaetning af hybenekstrakt til spaedbørnsmaelken. Ugeskr. laeger, 1943, 105: 122.—**Lojander, W.** Ueber den C-Vitamingehalt der Milch und seine Variationen. Acta Soc. med. Duodecim., 1935, 18: Ser. A, No. 9, 1–30. ——— Ueber die Schwankungen des V-C-Gehalts der Milch und die zu Ihnen beitragenden Faktoren. Ibid., 1939, 27: Ser. B, No. 19, 1–10.—**McLeod, F. L.** Antiscorbutic V content of milk of stall-fed cows throughout a year; probability that ensilage is an important source of this V. J. Am. M. Ass., 1927, 88: 1947–9.—**Mathiesen, E.** [Variations in the content of V-C in consumer's milk] Nord. med., 1939, 1: 690–2.—**Nehring, K., & Wachholder, K.** Der Einfluss des Futters auf den Gehalt der Kuhmilch an V-C. Vitamine & Hormone, Lpz., 1942, 2: 400–16.—**Randoin, L., & Perroteau, A.** Recherches expérimentales sur la valeur antiscorbutique comparée des laits de vache frais, pasteurisés, bouillis, autoclavés, concentrés non sucrés, concentrés sucrés, secs non sucrés et secs sucrés. Bull. Acad. nat. méd., 1949, 133: 434–8.—**Rasmussen, R., Bogart, R., & Maynard, L. A.** AA content of milk of various species as influenced by ascorbic acid injection and diet. Proc. Soc. Exp. Biol., N. Y., 1938, 39: 502–5.—**Rasmussen, R., Guerrant, N. B.** [et al.] The effects of breed characteristics and stages of lactation on the V-C (AA) content of cow's milk. J. Nutrit., 1936, 11: 425–32.—**Reif, G.** Die Einwirkung von Aluminium, Aluminiumlegierungen und von nichtrostenden Stählen auf den V-C-Gehalt der Milch. Gesundh. Ingenieur, 1948, 69: 325–7.—**Riddell, W. H., Whitnah, C. H.** [et al.] Influence of the ration on the V-C content of milk. J. Nutrit., 1936, 11: 47–54.—**Rohmer, P., Bezssonoff, N., & Stoerr, H.** Le cycle annuel de la sécrétion de V-C par la glande mammaire des vaches laitières. Bull. Soc. pédiat. Paris, 1934, 32: 566–9.—**Satterfield, G. H., Bailey, E. A.,** jr [et al.] The AA content of ewes' blood, colostrum and milk and the effect of ascorbic acid injections. J. Nutrit., 1942, 24: 121–9.—**Seelemann, M., & Hadenfeldt, A.** Ueber den Einfluss verschiedener Erhitzungsarten auf den C-Vitamingehalt der Milch; Prüfung der Sommermilch auf Gehalt an V-C. Berl. tierärztl. Wschr., 1926, 42: 225–30.

—— Vitamin D.

CARSTENS, O. *Studien über Gehalt und Anreicherungsmöglichkeiten der Kuhmilch an V-D. 81p. 8° Kiel, 1934.

OLSON, T. M., & WALLIS, G. C. Vitamin D in milk. 52p. 8° Brookings, 1935.

Forms No. 296, Exp. Bull. S. Dakota Agr. Exp. Sta.

Bechtel, H. E., & Hoppert, C. A. A study of the seasonal variation of V-D in normal cow's milk. J. Nutrit., 1936, 11: 537–49.—**Campion, J. E., Henry, K. M.** [et al.] The source of V-D in summer milk. Biochem. J., Lond., 1937, 31: 81–8.—**Malo, C.** La leche, el sol y la V-D. Bol. educ. san., Caracas,

1941, 4: 11.—**Morgareidge, K., & O'Brien, B.** Anomalies in the bio-assay of V-D milk. J. Nutrit., 1938, 16: 395–405.—**Ruehe, H. A.** The importance of a high V-D content in milk. Certif. Milk, 1939, 14: No. 162, 5.—**Scott, H. T., Baird, F. D.** [et al.] Standard methods of V-D bioassay of milk. Am. J. Pub. Health, 1939, 29: No. 2, Suppl., 54–9.—**Senoo, K.** Gyūnyū-sibō (Milchfett) to gyūraku-sibō (Butterfett) to no Vitamin D kōka ni tuite [Ueber die V-D-Wirkung von Milch- und Butterfett] Nippon eisei kagakkai si, 1937, 9: 351–9, 3 pl.—**Supplee, G. C., Ansbacher, S.** [et al.] The influence of milk constituents on the effectiveness of V-D. J. Biol. Chem., 1936, 114: 95–107, 2 pl.

—— Vitamin D: Production by diet.

Frey, C. N. How to get V-D into milk by feeding cows yeast. Food Indust., 1941, 13: No. 6, 46–8.—**Krauss, W. E.** Effect of cow's ration on V-D content of milk. Bimonth. Bull. Ohio Agr. Exp. Sta., 1929, 14: 57. ——— Increasing the V-D content of milk. Ibid., 1932, No. 156, 117–21. ——— **Bethke, R. M., & Monroe, C. F.** The effect of feeding irradiated ergosterol to cows on the V-D content of milk. J. Nutrit., 1932, 5: 467–77.—**Van Rampaey.** Du lait et du soleil [Caricature] In: Mémento thér., Par., 1946, 103.—**Woelffer, E. A.** V-D milk from yeast-fed cows. Cornell Vet., 1933, 23: 313–24.

—— Vitamin E.

Abderhalden, R. Der V-E-Gehalt der Frauen- und Kuhmilch. Klin. Wschr., 1944, 23: 340. Also Biochem. Zschr., 1947, 318: 47–53.—**Brouwer, E., & Holleman, L. W. J.** [V-E and C in milk and milk products] Mschr. kindergencesk., 1932–33, 2: 277–301.—**Fulchignoni, E., & Alibrandi, A.** Sugli effetti dell'alimentazione lattea esclusiva nei polli in accrescimento; esiste una V dello sviluppo sessuale? Q. nutriz., Bologna, 1937, 4: 105–28.

—— Vitamin PP.

Morel, M., & Baratte, J. Teneur du lait de la vache en V-PP. Ann. Inst. Pasteur, Par., 1942, 68: 538. Also Lait, 1943, 23: 147–9.

MILK (vitaminized)

Abbrev.: IM for irradiated milk; LI for lait irradié, and equivalents; V for vitamin; VM for vitaminized milk or equivalents.

See also **Milk modification,** Irradiated milk; **Milk vitamin.**

[American Medical Association Council on Foods] Fortification of milk with V and minerals. J. Am. M. Ass., 1944, 126: 432.—**Bolduc, A.** Vitamins and VM. Bull. san., Montréal, 1935, 35: 121–31.—**Dickens, C.** Process of concentrating the V content of milk and products. U. S. Patent Off., 1936, No. 2,052,218.—**Drasdo, W.** Zur Frage der Aufwertung der Kuhmilch mit V-trägern. Praxis, Bern, 1933, 22: Beil., 51, 32–5.—**Holford, F. D.** Fortifying milk and its effect upon the V content. Cornell Vet., 1935, 25: 136–46.—**Lucadou, W. v.** On the fat content of milk and its increase by the addition of V. Bull. War M., Lond., 1941–42, 2: 424 (Abstr.)—**McCollum, E. V.** Present status of VM. Am. J. Pub. Health, 1938, 28: 1069–71.—**Restatement** of the position of the Food and Nutrition Board with regard to addition of V to milk. Proc. Food Nutr. Bd U. S. Nat. Res. Counc., 1948, 8: 15.—**Supplee, G. C., Bender, R. C., & Flanigan, G. E.** The V-B supplementation of milk. J. Nutrit., 1934, 8: 365–75.—**Williams, E. B., Burgwald, L. H., & Washburn, R. G.** The addition of carotenoids as a means of maintaining a uniform color in milk as measured by the lac-chrom-meter. Nutrit. Abstr., Aberdeen, 1942–43, 12: 564 (Abstr.)

—— Vitamin A.

SCHNIEPER, A. *La V-A dans les LI et non irradiés. 20p. 22½cm. Lausanne, 1939 .

Bender, R. C., & Supplee, G. C. V-A content of milk irradiated by various carbon arcs. Am. J. Dis. Child., 1933, 45: 995–8.—**Boisselot, J., & Causeret, J.** Recherches expérimentales sur le lait de vache actinisé; influence de l'actinisation sur la teneur du lait en V-A. Bull. Soc. sc. hyg. aliment., Par., 1948, 36: 30–2.—**Eliot, M. M., & Powers, G. F.** Potency of milks fortified with respect to antirachitic properties; clinical tests and a proposed method of procedure. J. Am. M. Ass., 1934, 102: 1823.—**Fleisch, A.** Nature de la V antirachitique dans le LI. Zschr. Vitaminforsch., Bern, 1938–39, 8: 217–20.—**Supplee, G. C.** Antirachitic activation of milk by direct irradiation with ultra-violet rays. Am. J. Pub. Health, 1933, 23: 225–9. ——— **Beck, H. H., & Dorcas, M. J.** IM; the influence of the intensity and character of the radiations on the antirachitic potency. J. Biol. Chem., 1932, 98: 769–82.

—— Vitamin B complex.

Holmes, A. D., & Jones, C. P. Effect of sunshine upon the ascorbic acid and riboflavin content of milk. J. Nutrit., 1945, 29: 201–9.

—— Vitamin C.

Boisselot, J., & Causeret, J. Recherches expérimentales sur le lait de vache actinisé; influence de l'actinisation sur la teneur du lait en V-C antiscorbutique. Bull. Soc. sc. hyg. aliment., Par., 1946, 34: 148–54.—**Kon, S. K., & Watson, M. B.** The effect of light on the V-C of milk. Biochem. J., Lond., 1936, 30: 2273–90.

—— Vitamin D.

Bolduc, A. V-D milk. Bull. Hyg., Montréal, 1935, 21: No. 1, 1–4.—**Brooks, P. B.** V-D milk control; the administrative aspects. N. York State J. M., 1935, 35: 776–80.—**Brown, W. E.** V-D certified milk. J. Med., Cincin., 1934, 15: 88. ——— **& Kowalewski, J. F.** V-D certified milk; its antirachitic value as shown by rat experiment. Ibid., 1933, 13: 646–50.—**Bunker, J. W. M., & Harris, R. S.** The clinical status of V-D milks. N. England J. M., 1934, 211: 1140–7. ——— The value of V-D milks to the consumer. Annual Rep. Internat. Ass. Dairy & Milk Insp. (1934) 1935, 23: 139–63. ——— A reappraisal of V-D milks. N. England J. M., 1938, 219: 9–12.—**Coward, K. H.** The value of IM compared with cod-liver oil as a source of V-D. Lancet, Lond., 1929, 2: 1090.—**East, B. R.** V-D milk. Dent. Outlook, N. Y., 1934, 21: 227–32. Also J. Med., Cincin., 1934, 15: 418–22.—**Ellis, C., & Wells, A. A.** Methods for increasing V-D in milk. In their Chem. Action UV Rays, rev. ed., N. Y., 1941, 835–47.—**Friedman, S.** V-D milk; a resumé. J. Pediatr., S. Louis, 1934, 4: 678–92.—**Gezelius, G.** D-vitaminhalten i renmjölk. Nord. med., 1941, 11: 2160 (Abstr.)—**Giraud, P., & Coignet, J.** Note sur l'emploi d'un lait actinisé pour l'alim. des nourrissons dans une pouponnière. Arch. fr. pédiat., 1948, 5: 472–7.—**Jeans, P. C.** V-D milk; the relative value of different varieties of V-D milk for infants: a critical interpretative review. J. Am. M. Ass., 1936, 106: 2066; 2150.—**Krauss, W. E.** [et al.] Increasing the V-D content of milk; the effect of feeding cows a cod-liver oil concentrate (vitex) Bimonth. Bull. Ohio Agr. Exp. Sta., 1933, 18: 15; 77.—**Lewis, J. M.** Clinical experience with V-D milks. N. York State J. M., 1934, 34: 685–8.—**McBeath, N. E., & McMahon, H. O.** Clinical study of V-D milk. Certif. Milk, 1933, 8: 4–6.—**McHenry, E. W.** V-D milk. Canad. Pub. Health J., 1935, 26: 377–80.—**MacKenzie, F. B.** A new phase of V-D milk. Northwest M., 1934, 33: 22–5.—**Metabolized** V-D milk approved by A. M. A. Certif. Milk, 1938, 13: No. 141, 9.—**Milk** constituents and the effectiveness of V-D. J. Am. M. Ass., 1936, 107: 215.—**Møller, H.** Om D-vitaminisering af maelk. Ugeskr. laeger, 1948, 110: 468.—**Mostyn, H. J.** Effect of feline growth of heat-processed foods and metabolized V-D milk. Vet. Med., Chic., 1947, 42: 110–2.—**Post, C. I.** How to add V-D concentrate and control V-D in milk. Food Indust., 1941, 13: No. 6, 41–3.—**Present** status of V-D milk. J. Am. M. Ass., 1937, 108: 206.—**R., F. A.** Leite vitaminizado D. Bol. indúst. animal, S. Paulo, 1942, 5: No. 4, 216.—**Russell, H. L.** V-D milk; the latest step in certified milk improvement. Certif. Milk, 1932, 7: 1–4.—**Shrader, J. H.** The fortification of milk with V-D. Arch. Phys. Ther., 1934, 15: 709–18.—**Spickard, V. W.** V-D milk; a comparison of methods of production and their values. Northwest M., 1934, 33: 204–6.—**Supplee, G. C., & Hanford, Z. M.** IM; the amount of V-D and its rate of formation. J. Biol. Chem., 1932, 95: 687–97.—**Tobey, J. A.** V-D milk. Med. Times, N. Y., 1935, 63: 15–7. Also Am. J. Nurs., 1936, 36: 576–80.—**Vitamin** D in milk. In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 621–5.—**Vitamin** D milk. J. Am. M. Ass., 1937, 108: 1894. Also Hygeia, Chic., 1939, 17: 1119. Also J. Am. M. Ass., 1942, 119: 344.—**Vitamin** D milk containing 600 U. S. P. units of V-D to the quart is not eligible for list of accepted foods. Ibid., 1941, 116: 413.—**Wilcox, H. B.** Milk as a vehicle for V-D. Health Exam., N. Y., 1934, 4: 14–7.—**Wyman, E. T.** V-D milk. N. England J. M., 1933, 209: 889–93.—**Wynne, S. W.** V-D milks from the health officer's standpoint. Certif. Milk, 1933, 8: 2.—**Zucker, T. F.** V-D milk. Eye Ear &c. Month., 1933, 12: 461. Also Med. Scarchlight, 1934, 10: 9–11.

MILKWEED.

See under **Asclepiadaceae.**

MILK whey.

See **Milk serum.**

MILL, John Stuart, 1806–73.

KENNEDY, G. *The psychological empiricism of John Stuart Mill [Columbia Univ.] 80p. 8° Amherst, 1928.

See also **Levi, A. W.** The mental crisis of John Stuart Mill. Psychoanal. Rev., 1945, 32: 86–101.—**Wentscher, E.** John Stuart Mills Stellung zur Religion. Arch. ges. Psychol., 1930, 77: 48–66.

MILL, Leopold, 1874–

For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 292.

MILL, Ralph J. Food, drug and cosmetic act as it relates to cosmetics; regulations and inter-

pretations; the Federal Food, drug and cosmetic act of 1938. p.641–89. 23½cm. N. Y., D. Van Nostrand Co., 1941.
In: Chem. & Manuf. Cosmetics (De Navarre, M. G.)

—— State board questions and answers; pharmacy. [59]p. 27½cm. Detr., Clark & Wilson Co., 1948.

MILL, Thomas, 1878–1941.
For obituary see Brit. M. J., 1941, **2**: 596.

MILL [and milling]

See also **Miller**; also **Cereal**; **Flour**; **Metal industry.**

GROSDEMANGE, L. C. L. *Hygiène de la minoterie. 76p. 8° Nancy, 1905.

Frickhinger, H. W. Blausäureräucherung im Dienste der Mehlschädlingsbekämpfung; Bericht über eine vereinfachte Methode der Mühlenräucherung. Zschr. angew. Entom., 1917–18, **4**: 310–24.—**Maurizio, A.** La mouture primitive. In his Hist. aliment. végét., Par., 1932, 377–422.—**Mlynářský ústav výzkumný.** Výživa lidu, 1949, **4**: 239.—**Pawlitzki.** Schutz des Werkzeuges an Fräsmaschinen. Arbeitsschutz, 1942, 390–2.—**Pelshenke, P.** Auftreten und Einfluss gepresster und geschädigter Stärkekörner beim Mahlprozess. Zschr. Lebensmitteluntersuch., 1950, **90**: 48.—**Schwarz, L.** Beobachtungen an Gefolgschaftsmitgliedern einer Braunsteinmühle. Arch. Hyg., Münch., 1943, **129**: 265–75.

MILLA, Eloisa [M. D. 1935] Lezioni di fisiologia; fisiologia dell'occhio. 119p. pl. tab. diagr. 23½cm. Milano, Ist. ed. Cisalpino [after 1940]

—— Lezioni di fisiologia; termoregolazione e udito. 78p. illust. tab. ch. 24½cm. Milano, Cisalpino [after 1940]

—— Lezioni di fisiologia; fisiologia dei muscoli. 218p. illust. tab. diagr. ch. 20½cm. Milano, P. A. Redi, 1949.
Forms v.9, Collana cult. med. biol.

See also **Caprano, V., & Milla, E.** Esercitazioni di tecnica fisiologica e di chimica fisiologica. 146p. 24cm. Milano, 1942. Also Comp. of **Margaria, R.** Fisiologia della respirazione. 146p. 25cm. Milano, 1945.

MILLA, José. *Algo sobre seroterapia antidiftérica. 33p. illust. 27cm. Guatemala, Impr. royal, 1920.

MILLAK, Konrad, 1886–
Czterdzieści lat pracy zawodowej. Med. wet., Warsz., 1948, **4**: 217, portr.
For portrait see Med. wet., Warsz., 1949, **5**: 88.

MILLAN, Alfonso, 1906– *L'inadaptabilité sociale des épileptiques et son rôle dans la délinquance. 67p. 8° Par., Presses modernes, 1931.
For portrait see Crón. méd. mex., 1933, **32**: No. 12, front.

MILLAN, Ignacio.
For portrait see Acta Unio internat. cancr., Louvain, 1948, **6**: p. x.

MILLAN, Javier.
Joint author of **Schwarzenberg L. J., Zenteno, T.** [et al.] Diarreas agudas en el lactante. p.393–453. 24cm. Santiago de Chile, 1945.

MILLAN, Ricardo Enrique. *Contribución al estudio del tratamiento de la luxación congénita de cadera. 54p. illust. 27cm. B. Air., E. Spinelli, 1938.

MILLAN Arrate, Miguel. *Contribución al estudio de las cesáreas baja extra-peritoneales por artificio; método Puga-Sanhueza. 62p. tab. 25½cm. Santiago, Condor, 1939.

MILLAN Palma, José, 1880?–1936.
For obituary see Bol. Col. of. méd. Provinc. Málaga, 1937, Spec. No. [37] portr.

MILLAN Ponce, J. La medicina en el hogar; pequeño tratado de medicina doméstica. [xiv, 246p. pl. 18½cm. Méx., Cía ed. cat., 1902.

MILLANT, Germaine, 1908– *Dermatite érythémato-bulleuse des bains de soleil dans les prés (maladie d'Oppenheim) 91p. 8° Par., L. Arnette, 1935.

MILLAR, Alexander B.
See **Scotland. Local Government Board.** Report to the Local Government Board for Scotland on the sanitary condition of the Lews. 14p. 24½cm. Glasg., 1905.

MILLAR, Ronald, & FREE, Edward Elway. Sunrays and health. vi, 124p. 8° N. Y., R. M. McBride & Co., 1929.

MILLARD, Aenne, 1912– *Die Ausscheidung gonadotropen Wirkstoffes nach Zufuhr von Prolan. 28p. 20½cm. Bonn, H. Trapp. 1938.

MILLARD, André, 1906– *Recherches sur la teneur en potassium de quelques tissus animaux [Lyon] 80p. 8° Trévoux, G. Patissier, 1934.

MILLARD, Auguste, 1830–1915. *De la trachéotomie dans le cas de croup. 247p. 8° Par., Rignoux, 1858.
For obituary see Presse méd., 1915, **23**: annexe, 433. Also Portugal méd., 1916, **2**: 144.

MILLARD, Eloi Louis, 1897–1950.
For obituary see Ann. pharm. belg., 1950, **1**: 10–22, portr.

MILLARD, Frederick Payne, 1878– Poliomyelitis (infantile paralysis) xiv, 162p. illust. pl. portr. 23½cm. Kirksville, Mo., Journal Print. Co., 1918.

—— Arthritis. 45p. illust. portr. 8° Toronto, the Author, 1936.

MILLARD, Henry B., 1832–93.
For biography see in Index biogr. (Acad. méd.) Par., 1939, 85.

MILLARD, Jean, 1908– *Prix de revient du lait dans le sud-est de la Haute-Marne [Alfort] 47p. 8° Sens, Soc. gén. impr., 1933.

MILLARD, Lee Wells. Stammering; its origin and the advanced natural method of cure. 17. ed. 151p. illust. pl. portr. 20cm. Milwaukee, North-West. School Stammerers, 1920.

MILLARD, Nellie D., & KING, Barry Griffith. Human anatomy and physiology. vii, 525p. illust. diagr. 20½cm. Phila., W. B. Saunders Co., 1941. ALSO 2. ed. 514p. 1945.

MILLARD, Nellie D., & SHOWERS, Mary Jane C. Laboratory manual of anatomy & physiology. viii, 119p. illust. diagr. 27cm. Phila., W. B. Saunders Co., 1946.

MILLARD, Oscar Benjamin, 1901–37.
For obituary see Dauphin M. Acad., 1938, **27**: No. 2, 6 (Bloom, J., Van Sickle, F., & Culp, J. F.)

MILLARD, Perry H., 1848–97.
For biography see in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2**: 170 (Foster, B.) Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 791. Also in Invited & Conquered (Myers, J. H.) S. Paul, 1949, 78, portr.
See also **Millard** memorial. Minnesota M., 1936, **19**: 303, portr.

MILLARD, Samuel Thomas, 1876–1948.
For obituary see J. Kansas M. Soc., 1948, **49**: 118.

MILLARD, Shirley. I saw them die; diary and recollections. x, 115p. 8° N. Y., Harcourt, Brace & Co., 1936.

MILLARD-GUBLER syndrome.

See **Hemiplegia,** Protuberantial syndromes.

MILLARES Carlo, Agustín, 1893– Tratado de paleografía española. 2. ed. 2v. 535p.; 121pl. illust. 8°; 4° Madr., Hernando & V. Suárez, 1932.

MILLAS y Vallicrosa, José María, 1897– Una obra astronómica desconocida de Johannes Avendaut Hispanus. p.451–75. 8° Bruges, S. Catherine Pr., 1936.
In: Osiris, Bruges, 1936, **1**:

MILLAU [France]

Guitard, E. H. Les malheurs d'un apothicaire de Milhau converti du protestantisme au catholicisme à l'époque de la révocation. Rev. hist. pharm., Par., 1948, **36**: 296–300.

MILLBERGER, Herbert, 1911– *Ueber aktive Kombinationsimmunisierung [München] 47p. 21½cm. Würzb., R. Mayr, 1938.

MILLBERRY, Guy Stillman, 1872– A study of the dental problem in Hawaii. 158p. ch. 8° Honolulu, Strong Found., 1930.

—— Dental health education and dental health service in Hawaii; a survey. 185p. illust. map. tab. 23cm. Honolulu, Strong Found., 1941.

See also **Hodgen, J. D., Millberry, G. S., & Shell, J. S.** Practical dental metallurgy. 7.ed. 470p. 8° S. Louis, 1932.

MILLBOURN, Erik Wilhelm, 1903– Studien über die Ausbildung des lymphatischen Gewebes und der Sekundärknötchen in der menschlichen Milz bei verschiedenen Krankheitszuständen. p.147–216. tab. ch. 24½cm. Berl., 1931.

In: Zschr. ges. Anat., 2. Abt., 1931–32, **16:**

—— *Klinische Studien über die Choledocholithiasis; unter besonderer Berücksichtigung des Ikterus, des Verhaltens der Diastasurie, des spontanen Steinabgangs, sowie der Früh- und Spätergebnisse nach konservativer und operativer Therapie. 310p. illust. tab. diagr. 24cm. Lund, H. Ohlsson, 1941.

Also Suppl. 65, Acta chir. scand.

MILLE, Hans, 1908– *Klinischer Beitrag zur Oberflächenanaesthesie in der Zahnheilkunde unter besonderer Berücksichtigung der Reichsverordnung vom 19. Dezember 1930 [Leipzig] 29p. 8° Zeulenroda i T., A. Oberreuter, 1932.

MILLE, Joel Natanael, 1902–43.

For obituary see Sven. läk. tidn., 1943, **40:** 2155, portr.

MILLE, Roger Noël, 1909– *L'indoxyle; signification clinique des variations de son taux dans l'urine et dans le sang. 60p. 25cm. Bord., J. Bière, 1934.

MILLEDGEVILLE State Hospital. Annual report. Milledgeville, Ga, 1891–

MILLEFOLIUM.

See **Achillea millefolium;** see also **Hemostatic,** plant.

MILLEN, Francis J. *The lateral recesses of the fourth ventricle; their relation to certain gliomas of the cerebello-pontine angle [Univ. Minnesota] 3 p. l., 84 l. illust. tab. 28cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1948.

Typewritten.

MILLENER, Frederick Hoyer, 1872–1925.

For biography see in Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 238, portr.

MILLEPED.

See **Milliped.**

MILLER, Aaron Woolley, 1818–81.

For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 242.

MILLER, Abraham, 1905– *Zur Frage des Spontanpneumothorax bei Kindern der ersten Lebensperiode [Basel] 40p. 21½cm. Mulhouse, J. Iltgen, 1938.

MILLER, Adam, 1810–1901. Plain talk to the sick, with directions for homoeopathic treatment and general rules for the preservation of health; also An appendix on the diseases of women, containing an exposé of the impositions practiced upon innocent sufferers by men in high places. 212p. 8° Chic., the Author, 1879.

MILLER, Adam Marion, 1879–

See **Bailey, F. R., & Miller, A. M.** Text-book of embryology. 5. ed. 687p. 24½cm. N. Y., 1929.

MILLER, Adolph William, 1841–1923.

For biography see in Hist. Class 1893 Dep. Med. Univ. Pennsylvania (Forst, J. R.) Phila., 1913, Append. (1928) 23. Also in First Century (Philadelphia Coll. Pharm.) Phila., 1922, 257.

MILLER, Akin Constantine, 1832–87. Gynaecological record, designed for practitioners and students of medicine. 100 l. 8° Clevel., the Author, 1884.

MILLER, Alan. The phantomas of a physician. 288p. 19cm. Lond., Grayson & Grayson, 1934.

MILLER, Albert, 1867–

For biography see in Physicians Mayo Clin., Phila., 1927, 369, portr.

MILLER, Albert, 1914– *Beitrag zum familiären Vorkommen der Pupillotonie [Berlin] 16p. 23cm. Wien, Br. Hollinek, 1939.

MILLER, Albert Harvey, 1881–

For portrait see J. Michigan M. Soc., 1943, **42:** 906.

MILLER, Albert Hersey, 1873– Anesthetics; their relative values and dangers. 51p. 8° Providence, R. I., E. A. Johnson Co., 1931.

MILLER, Albert Merrill, 1876–1941.

For obituary see Proc. Interst. Postgrad. M. Ass. N. America (1941) 1942, 238, portr. (Langworthy, H. G.)

MILLER, Alden Holmes, 1906– Structural modifications in the Hawaiian goose (Nesochen sandvicensis) a study in adaptive evolution. p.1–79. illust. pl. tab. diagr. ch. 24½cm. Berkeley, 1937.

Univ. California Pub. Zool., 1937, **42:**

—— Speciation in the avian genus Junco. p.173–434. 26cm. Berkeley, Univ. California Pr., 1941.

Forms No. 3, v.**44,** Univ. California Pub. Zool.

MILLER, Alexander Gordon, 1842–1929.

For obituary see Edinburgh M. J., 1929, n. ser., **36:** 557–9, portr. (Miles, A.)

MILLER, Alexander Kenneth, 1856–1945.

For obituary see J. Chem. Soc., Lond., 1946, 67 (Cosbie, A. J. C.)

MILLER, Alfred B., 1852–1928.

For portrait see J. Missouri M. Ass., 1950, **47:** 258.

MILLER, Alice.

See **Greteman, T. J., & Miller, A.** Home care of bone and joint tuberculosis. 43p. 28cm. Iowa City, 1943.

MILLER, Amy Johnson, 1898– The pioneer doctor in the Ozarks White River country. 161p. pl. map (end papers) 20½cm. Kansas City, Mo., Burton Pub. Co., 1949.

MILLER, Anselm, 1908– *Gibt es bei Salyrgan und Novasurol nachweisbare Nierenschädigungen? [Würzburg] 20p. 8° Regensb., J. Habbel, 1936.

MILLER, Arthur Alfonce. Bendien's diagnostic methods for cancer, and principles of treatment. 79p. 8° Lond., H. K. Lewis & Co., 1931.

—— Modern advances in diseases of the throat. xii, 120p. illust. pl. 23cm. Lond., H. K. Lewis, 1934.

MILLER, Arthur Austin, 1900– Climatology. x, 304p. 8° Lond., Methuen & Co., 1931.

MILLER, Arthur Frederick, 1877–

For biography see Nova Scotia M. Bull., 1947, **26:** 282 (Hiltz, J. E.)

MILLER, Arthur Patterson, 1896–

See **Cronkright, A. B., & Miller, A. P.** Plumbing and public health. vii, 117p. fig. 23cm. Wash., 1940.

MILLER, Arthur W., 1876–

For biography see J. Am. Vet. M. Ass., 1943, **103:** 168, portr. Also North Am. Vet., 1943, **24:** 588, portr.

For portrait see J. Am. Vet. M. Ass., 1945, **107:** 314. Also North Am. Vet., 1945, **26:** 654.

MILLER, August Edward, 1899– An introductory study of the Acarina, or mites, of Ohio. p.85–172. 8° Wooster, O., 1925.
Forms No. 386, Bull. Ohio Agr. Exp. Sta.

MILLER, Augustus Taylor, jr, 1910–
See **Morehouse, L. E., & Miller, A. T.,** jr. Physiology of exercise. 353p. 22½cm. S. Louis, 1948.

MILLER, Basil Williams, 1897– Florence Nightingale; the lady with the lamp. 125p. 20cm. Grand Rapids, Zondervan Pub. House, 1947.

MILLER, Ben W.
See under **Miller, Bernard William.**

MILLER, Benjamin Frank, 1907– You and your doctor; a frank discussion of group medical practice and other modern trends in American medicine. x, 183p. 21cm. N. Y., Whittlesey House, 1948.

MILLER, Bernard William, BOOKWALTER, Karl W., & SCHLAFER, George Ezra. Physical fitness for boys; a manual for the instructor of the service program. xvi, 457p. illust. tab. diagr. form. 23½cm. N. Y., A. S. Barnes & Co., 1943.

MILLER, Bruce, 1865–
For portrait see J. Nat. M. Soc., 1946, **2**: 34; 68.

MILLER, Carey Dunlap, 1895– Japanese foods commonly used in Hawaii. 41p. 8° Honolulu, 1933.
Forms Bull. 68, Hawaii Agr. Exp. Sta.

—— A study of the dietary and value of living of 44 Japanese families in Hawaii. 27p. 8° Honolulu, 1938.
Forms No. 18, Univ. Hawaii Res. Pub.

—— & **BENEDICT, Francis Gano.** Basal metabolism of normal young men and women of various races in Hawaii and basal metabolism of Samoan men. 71p. 8° Honolulu, 1937.
Forms No. 15, Univ. Hawaii Res. Pub.

MILLER, Charles Albert, 1871–1947.
For obituary see Rocky Mountain M. J., 1947, **44**: 656.

MILLER, Charles Conrad, 1880– The correction of featural imperfections. 136p. illust. 18cm. Chic., the Author, 1907.
Cover title: Cosmetic surgery.

—— Cannula implants and review of implantation technics in esthetic surgery. 2 pts. in 1 v. 77p.; 99p. illust. 20cm. Chic., Oak Pr., 1926.

—— Experiments with rubber and gutta percha in esthetic surgery. 99p. 20cm. Chic., Oak Pr., 1926.
Forms Pt 2, of his Cannula implants.

—— The injection treatment of hemorrhoids. 124p. pl. 12° Chic., Mod. Surg. Pub., 1929.

MILLER, Charles H.
See **Hiller, F. H., & Miller, C. H.** The juvenile court and county institutions for children in Jackson County (Kansas City) Missouri; report of a survey. 92p. 23cm. N. Y., 1944.

MILLER, Charles Henderson, 1867–1934.
For portrait see in Neoplasm (Northwest. Univ. M. School) Chic., 1902, 135.

MILLER, Charles Hewitt, 1875–1939.
For obituary see London Hosp. Gaz., 1939–40, **43**: 62, portr.

MILLER, Charles Jefferson, 1874–1936. An introduction to gynecology. 327p. 8° S. Louis, C. V. Mosby Co., 1931. Also 2. ed. 354p. illust. 1934.

—— Clinical gynecology. 560p. illust. 8° S. Louis, C. V. Mosby Co., 1932.
See also **Collins, C. G.** Charles Jefferson Miller, his teachings in the therapy of puerperal sepsis. South. Surgeon, 1946–47, **12**: 318–24.
For biography see Album Am. Gyn. Soc., 1918, 328, portr.
For obituary see Am. J. Obst., 1936, **31**: 731–3, portr. (Chipman, W. W.) Also South. Surg., 1936, **5**: 166–70, portr. Also Surg. Gyn. Obst., 1936, **62**: 895; 1024, portr. (Ochsner, A.) Also Tr. South. Surg. Ass., 1936, **49**: 465–8, portr. (Tyrone, C. H.) Also Ann. Surg., 1937, **105**: 1035–8, portr. (Tyrone, C. H.)

MILLER, Charlotte Riesel, 1912 *Vitamin-Ausscheidung und Vitamin-Bilanz beim normalen Menschen. 24p. ch. 8° Lausanne, Impr. Mont-Blanc, 1938.

MILLER, Chester Irving, 1900–
For portrait see Q. Phi Beta Pi M., 1933–34, **30**: 134.

MILLER, Clarence Ross, 1890–
For biography see in Am. Men in Gov., Wash., 1949, 269.

MILLER, Clark Addison, 1904– *Diabetic acidosis [Marquette Univ.] 29p. 28cm. Milwaukee, n. p., 1930.
Typewritten.

MILLER, Clifton Meredith, 1873–1943.
For obituary see J. Am. M. Ass., 1943, **121**: 1239. Also Tr. Am. Lar. Rhin. Otol. Soc., 1943, 331. Also Tr. Am. Otol. Soc., 1944, **33**: 322.

MILLER, David Franklin, 1892– , & **BLAYDES, Glenn William.** Methods and materials for teaching biological sciences. xii, 435p. illust. diagr. 23½cm. N. Y., McGraw-Hill Book Co., 1938.

MILLER, David Griffin, jr, 1908–
For biography see Kentucky M. J., 1948, **46**: 481, portr.

MILLER, Dayton Clarence, 1866–1941.
For obituary see Laryngoscope, 1941, **51**: 473–5. Also Tr. Am. Otol. Soc., 1942, **32**: 375–7.

MILLER, De Laskie, 1818–1903.
For biography see in Memories of Eighty Years (Herrick, J. B.) Chic., 1949, 54.

MILLER, Donald H.
For portrait see J. Dent. Soc. N. York, 1946, **12**: opp. p. 3.

MILLER, Donald Sidney, 1908– *Sudeck's bone atrophy, clinical and experimental findings [Univ. Illinois] 8p. 23½cm. Chic., n. p., 1942.
For biography see Q. Chicago M. School, 1947–48, **9**: 23, portr.

MILLER, Douglas Alexander [M. D. 1923, Edinburgh] Midwifery for nurses. 2. ed. rev. viii, 264p. illust. pl. 18½cm. Lond., E. Arnold & Co., 1937.
Also Editor of **Midwifery.** 4. ed. 2 pts. 132p. 18cm. Edinb., 1945.

MILLER, Edgar Calvin Le Roy, 1867–
See **Dorland, W. A. N., & Miller, E. C. L.** The American illustrated medical dictionary. 16. ed. 1493p. 8° Phila., 1932. Also 17. ed. 1573p. 1937. Also 18. ed. 1607p. 1938. Also 19. ed. 1647p. 1941. Also 20. ed. 1668p. 1944. Also 21. ed. 1660p. 1947.

MILLER, Edmund Wallace, 1904–
For biography see in Invited & Conquered (Myers, J. A.) S. Paul, 1949, 463, portr.

MILLER, Edward, 1760–1812.
For biography see in Coll. Physicians & Surg. N. York, (Shrady, J.) N. Y., 1903, **1**: 42. Also in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 792.

MILLER, Edward Carl.
For portrait see Texas Dent. J., 1946, **64**: 397.

MILLER, Edward Louis, 1884–1947.
For obituary see J. Oklahoma M. Ass., 1947, **40**: 398.

MILLER, Edwin Cyrus, 1878– A physiological study of the winter wheat plant at different stages of its development. 167p. 8° Topeka, 1939.
Forms No. 47, Techn. Bull. Kansas Agr. Exp. Sta.

MILLER, Edwin Lee, 1887–1943.
For obituary see J. Am. M. Ass., 1943, **123**: 787.
For portrait see J. Missouri M. Ass., 1950, **47**: 277.

MILLER, Edwin Lynn, 1906– Studies on North American Cercariae. 125p. pl. tab. 24½cm. Urbana, Ill., Univ. Illinois Pr., 1936.
Forms No. 2, v.**14**, Illinois Biol. Monogr.

MILLER, Eli Peck, 1828–1912. The improved Turkish bath; what is it, who should take it, why, when, how, and where. 27p. 18cm. N. Y., Miller, Haynes & Co., 1870.

MILLER, Elmer Severn, 1905–1941. Quantitative biological spectroscopy. v.1: Absorption spectra. Rev. ed. 301p. illust. pl. diagr. 27cm. Minneap., Burgess Pub. Co., 1940.

MILLER, Emanuel, 1893– Modern psychotherapy. 131p. 8° Lond., J. Caper, 1930.

—— Insomnia and other disturbances of sleep. 88p. 16° Lond., J. Bale, Sons & Danielsson, 1935.

—— The neuroses in war; by several authors. xii, 250p. 21cm. N. Y., Macmillan Co., 1940.

MILLER, Enoch H., 1851–1928.
For portrait see J. Missouri M. Ass., 1950, 47: 266.

MILLER, Erma V. O., MICKELSEN, Olaf, & KEYS, Ancel Benjamin. Notes on the estimation of 17-ketosteroids in urine, together with a presentation of a new micro method. 19 l. tab. 28cm. Wash., 1945.
Forms No. 38, Med. Nutrit. Rep. (OSRD) Wash.

MILLER, Frank Ebenezer, 1859–1932.
For biography see in Coll. Physicians & Surg. N. York (Shrady, J.) N. Y., 1903, 1: 538–40, portr.
For portrait see Collection in Library.

MILLER, Frank Wallace, 1871–1937.
For obituary see Tr. Pacific Coast Oto Ophth. Soc., 1938, 26. meet., 182.

MILLER, Franklin Pierce, 1854–1914.
For biography see in Hist. Long Island (Ross, P. V.) N. Y., 1902, 2: 66.

MILLER, Franz.
Editor of **Stauffer, K.** Homöotherapie. 3. Aufl. 1051p. 24½cm. Regensb., 1939.

MILLER, Fred Duffield, 1887–
For portrait see J. Florida Dent. Soc., 1945, 16: No. 11, 12.

MILLER, Frederick Christopher, 1868–1947.
For obituary see Kentucky M. J., 1948, 46: 28.

MILLER, Frederick Mason, 1870–1947.
For obituary see N. York State J. M., 1947, 47: 1819.

MILLER, Frederick Richard, 1866–1916.
For obituary see Brit. M. J., 1916, 1: 363.

MILLER, Fred L. Health and physical education for Kansas elementary schools; a program of suggested study outlines on major health areas and an introduction to teaching physical education. 150p. 22cm. Topeka, State Dep. Pub. Instr., 1947.

MILLER, Fred Nathan, 1891–
For portrait see Collection in Library.

MILLER, Genevieve, 1914– Wm. Beaumont's formative years; two early notebooks, 1811–1821; with annotations and an introductory essay. 87p. 24cm. N. Y., 1946.
Also editor of **Bibliography** of the history of medicine of the United States and Canada. Balt., 2.–9. (1940–47) 1941–48.
See also **McReady, B. W.** On the influence of trades, professions, and occupations in the United States, in the production of disease; with an introductory essay by Genevieve Miller. 129p. 20½cm. Balt., 1943.

MILLER, George Gavin, 1892–
For portrait see Nu Sigma Nu Bull., 1940-41, 30: 286.

MILLER, George Richard, 1846–72.
For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 290, portr.

MILLER, George Robert, 1872–1947.
For obituary see West Virginia M. J., 1947, 43: No. 11, p. xxxii.

MILLER, Georges, 1913– *Contribution à l'étude de l'échinococcose musculaire. 39p. 24½cm. Marseille, Soc. anon. sémaphore Marseille, 1939.

MILLER, George Stewart, 1884–
For portrait see in Hist. Tufts Coll. M. School (Spector, B.) Bost., 1943, opp. p. 257.

MILLER, George William, 1882–
Young, J. K. Editor of Handbook of anatomy. 7. ed. 460p. 8° Phila., 1930. Also 8. ed. 460p. 1936.

MILLER, Gideon Brown, 1861–1937.
For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 376, portr. Also Album Am. Gyn. Soc., 1918, 330, portr.
For obituary see Tr. Am. Gyn. Soc. (1938) 1939, 63: 285, portr. (Hunner, G. L.)

MILLER, Hans, –1938.
For obituary see Schwelz. Apoth. Ztg, 1938, 76: 34, portr.

MILLER, Harold Abiud, 1891–1949.
For obituary see Bull. Ingham Co. M. Soc., 1949, 18: No. 4, 10, portr.

MILLER, Harold Bachman, 1861–1944.
For obituary see Proc. M. Sect. Am. Life Convent., 1944, 33: 210.

MILLER, Harold Carl, 1889– , & **STEIDEL, C. E.** Accidents in the California petroleum industry in 1923. iv, 30p. tab. 23cm. Wash., Gov. Print. Off., 1926.
Forms No. 382, Techn. Paper U. S. Bur. Mines.

MILLER, Harry Clyde, 1888–1935.
For obituary see Tr. West. Surg. Ass., 1935, 45: 581, portr. (Davis, H. H.)

MILLER, Harry Dudley, 1908–44.
For obituary see Ann. Int. M., 1944, 20: 731 (Moore, R. M.)

MILLER, Harry Garrett, 1869–1947.
For obituary see J. Am. M. Ass., 1948, 136: 637. Also J. M. Soc. N. Jersey, 1948, 45: 41.

MILLER, Harry Milton, jr, 1895– Comparative studies on furcocercous Cercariae. 112p. pl. tab. 26½cm. Urbana, Ill., Univ. Illinois Pr., 1926.
Forms No. 3, v.10, Illinois Biol. Monogr.

MILLER, Helen Meyer, 1905– A summary of the anatomy and histology of the human eyeball with histopathology. 68 l. 27cm. N. Y., the Author, 1946.

MILLER, Henry, 1800–74.
Thoms, H. Henry Miller and the development of scientific obstetrics in the new west. Am. J. Obst., 1938, 35: 716–20, portr.
For biography see in: Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, 2: 171 (Zimmerman, B. F.) Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 792. Also in: Hist. Am. M. Ass. (Fishbein, M.) Phila., 1947, 597, portr. (Bierring, W. L.)
For portrait see in Founders & Presidents of the Am. M. Ass. (Arlington Chem. Co.) Yonkers, N. Y., 1910, pl. 2.

MILLER, Henry Alexander, 1904–45.
For obituary see J. Am. M. Ass., 1945, 129: 706.

MILLER, Henry George [M.D., 1940, Durham]
See **Daley, R., & Miller, H. G.** Progress in clinical medicine. 356p. 25cm. Lond., 1948.

MILLER, Henry Lewis, 1859– Home guide: a plain and practical hand book on health and disease. 320p. 8° Chic., the Author, 1891.

MILLER, Henry Taylor, 1881–1943.
For obituary see Med. Ann. District of Columbia, 1943, 12: 130.

MILLER, Heymen Rudolph, 1888– Angina pectoris; nerve pathways, physiology, symptomatology, and treatment. xvii, 275p. illust. 23½cm. Balt., Williams & Wilkins Co., 1939. Also another ed. xx, 289p. illust. 23½cm. N. Y., Grune & Stratton, 1942. Also [Rev. ed.] xiii, 336p. 1950.
Subtitle varies.

—— Central autonomic regulations in health and disease, with special reference to the hypothalamus. xx, 430p. illust. diagr. 23½cm. N. Y., Grune & Stratton, 1942.
For biography see in Internat. Who's Who World M., N. Y., 1947, 478.

MILLER, Hilliard Eve, 1893–1945.
For obituary see J. Am. M. Ass., 1945, 128: 683. Also Tr. Am. Gyn. Soc. (1946) 1947, 69: 275, portr. (King, E. L.)

MILLER, Hiram Edgar, 1891–1947.
For obituary see Bull. S. Francisco Co. M. Soc., 1947, 20: No. 12, 20 (Weeks, A.) Also J. Am. M. Ass., 1948, 136: 637.

MILLER, Horace Metcalfe [D. M. D. 1924, Oregon] The dental office guide. 239p. illust. diagr. 8° Oswego, Ore., the Author, 1934.

—— Ethyl chloride. [5]p. 25½cm. Clevel., 1940.
Also Bull. Am. Ass. Nurse Anesth., 1940, 8: 18–22.

—— History of dental activity of the U. S. Army in Base Section Four. MS. 23p. illust. [Before Nov. 1942]
MS. in Histor. Div. SGO U. S. Army.

MILLER, Howard C., 1893–1950.
See **Year book of dentistry.** Chic., 1942–
For portrait see J. Am. Dent. Ass., 1942, **29:** opp. p. 1357.

MILLER, Hubert Caspar, 1897– *Early active motion in the treatment of Pott's fracture [Marquette Univ.] 17p. 28cm. Milwaukee, n. p., 1926.
Typewritten.

MILLER, Hugh, 1877–1930.
For obituary see Brit. M. J., 1930, **2:** 196.

MILLER, Ian Douglas [M. B. 1924, Sydney]
See **Coppleson, V. M., & Miller, I. D.** Clinical handbook for residents, nurses and students. 205p. 12° Sydney, 1936.

MILLER, Ira Clyde, 1895–1946.
For obituary see Dauphin M. Acad., 1946, **35:** No. 10, 8. Also J. Am. M. Ass., 1947, **133:** 119. Also Mil. Surgeon, 1947, **100:** 283.

MILLER, Irving, 1918–
For portrait see Univ. Manitoba M. J., 1943, **14:** No. 4, 22.

MILLER, Jacob Preston, 1853–1909.
For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 367, portr.

MILLER, James, 1812–64. Alcohol; its place and power. Rev. ed. 231p. portr. 8° Glasgow, Scott Temperance League, 1861.

MILLER, James Alexander, 1874–1948. Diseases of the respiratory tract. p.742–872. 8° Phila., Lea & Febiger, 1938.
In: Int. Med. (Musser, J. H.) 3. ed., Phila., 1938. Also in 4. ed., 1945, p. 787–900.
For obituary see Ann. Int. M., 1948, **29:** 1197, portr. Also Bull. N. York Acad. M., 1948, **24:** 744–6, portr. (Goodridge, M., & Van Ingen, P.) 808. Also J. Am. M. Ass., 1948, **138:** 709. Also in N. York Acad. Med. (Van Ingen, P.) N. Y., 1949, 477–87, portr. Also N. York State J. M., 1948, **48:** 1847. Also Am. Rev. Tuberc., 1949, **59:** 467, portr. Also Tr. Am. Clin. Clim. Ass. (1948) 1949, **60:** Suppl., p. liii. Also Tr. Ass. Am. Physicians, 1949, **62:** 9.
For portrait see Collection in Library. Also in Am. Coll. Physicians (Morgan, W. G.) Phila., 1940, 26.

—— **BAEHR, George, & CORWIN, Edward Henry Lewinski.** Preventive medicine in modern practice; ed. under the auspices of the Committee on Public Health Relations of the New York Academy of Medicine. 3. ed., completely rewritten, of Outline of preventive medicine. xii, 851p. pl. tab. diagr. 26cm. N. Y., P. B. Hoeber, 1942.

MILLER, James Alexander, & DAVIDSON, James. Practical pathology, including morbid anatomy and post-mortem technique. 3. ed. xv, 518p. illust. 23cm. Lond., A. & C. Black, 1938.

MILLER, James Alexander, & WALLGREN, Arvid. Pulmonary tuberculosis in adults and children. 193p. pl. diagr. 25cm. N. Y., T. Nelson & Sons, 1939.

MILLER, James Alexander, WILLIAMS, Linsly R., & SMITH, Theobald. Public health and the practising physician. xiii, 27p. 8° N. Y., Milbank Mem. Fund, 1929.

MILLER, James Grier, 1916– Unconsciousness. vi, 329p. 23½cm. N. Y., J. Wiley & Sons, 1942.

MILLER, James Lewis, 1889–1923.
For obituary see J. Am. M. Ass., 1923, 81: 2049.

MILLER, James Lowry, 1902–
Editor of **Lomholt, S.** Dermatology and syphilis. Rev. p.935–1076. 24½cm. N. Y., 1949.

MILLER, James Martin, 1890–1938.
For obituary see Mil. Surgeon, 1938, **82:** 378.

MILLER, James Raglan, 1886–
For portrait see J. Am. M. Ass., 1946, **131:** before p.717; 1947, **134:** before p.417; 1949, **140:** No. 5, front. Also Connecticut M. J., 1942, **6:** 476; 1947, **11:** 461.

MILLER, James Roscoe, 1905–
For biography see Q. Bull. Northwest. Univ. M. School., 1948, **22:** 385, portr.; 1949, **23:** 239, portr. Also Q. Phi Beta Pi M., 1947–48, **44:** 101 (Gilkey, C. C.) 1948–49, **45:** 251 (Anson, B. J.) portr.
For portrait see Q. Bull. Northwest. Univ. M. School, 1941, **15:** 313. Also Sigma Nu Bull., 1942, **31:** 51. Also Diplomate, 1946, **18:** 251. Also Connecticut M. J., 1948, **12:** 554; 655. Also J. Am. M. Ass., 1948, **137:** 573.

MILLER, Jegoszyja Uszer, 1912– *Fausses appendicites au cours des maladies fébriles. 32p. 24cm. Par., M. Lavergne, 1939.

MILLER, Jerome Jacob, 1897– Your teeth; and how to keep them. xviii, 232p. illust. pl. 21cm. N. Y., Lantern Pr., 1947.

MILLER, John, 1774–1862.
For biography see in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912. **2:** 172 (Bradford, G. W.) Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 793.

MILLER, John, 1880– Weibliche Geschlechtsorgane; die Krankheiten des Eierstockes. ix, 1047p. illust. tab. 8° Berl., J. Springer, 1937.
Forms 3. T., 7. Bd, Handb. spez. path. Anat. Hist. (Lubarsch, O., et al.)

MILLER, John Alexander, 1850–1925. Home treatment for diseases of women and some favorite prescriptions. 309p. 23½cm. S. Franc., the Author, 1891.

—— Femina; a work for every woman. 422p. 8° S. Franc., Femina Co., 1893.

MILLER, John Allen, 1905– General zoology work book. Pt 1: A study of the principles and problems of physiology and heredity as applied to a typical animal. 4. ed., rev. 1941. 148p. illust. tab. diagr. form ch. 28cm. Columbus, O., the Author, 1941.

—— General zoology work book. Pt 2: A study of the principles and problems of classification, ecology, and evolution. 4. ed., rev. 1939. ii, 124 l. illust. map. tab. diagr. form. 28cm., Columbus, O., the Author, 1939.

MILLER, John Anthony, 1859–1946.
For obituary see Yearb. Am. Philos. Soc. (1946) 1947, 326–30 (Dresden, A.)

MILLER, John Burr, 1876–1946.
For obituary see Texas J. M., 1946–47, **42:** 350, portr.

MILLER, John F., 1834–1906.
For obituary see Tr. M. Soc. N. Carolina, 1906, **53:** 159.

MILLER, John Regis, 1913– *Resistance of explanted gastric mucosa to various chemical and physical agents [Minnesota] 2 p. l., 35 l. illust. tab. ch. 27cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1949.
Typewritten.

MILLER, John William, 1900–
See **Specht, H., Miller, J. W.** [et al.] Acute response of guinea pigs to the inhalation of ketone vapors. 66p. 23cm. Wash., 1941.

MILLER, John Willoughby, 1880–
See **Menge, K., Miller, J. W.** [et al.] Anatomie. 723p. 8° Münch., 1930.

MILLER, John Wilson, 1885?–1947.
For obituary see Pub. Health, Lond., 1946–47, **60:** 209. Also Brit. M. J., 1947, **1:** 787.

MILLER, Jorge V., –1924.
For obituary see Prensa méd. argent., 1924, **11:** 159, portr.

MILLER, Joseph.
See **Verborgene (Der) Arzt,** oder Nützliche Hausfreund. 179p. 16cm. Neu-Berlin, Pa., 1830.

MILLER, Joseph Francis, 1908– *Acute appendicitis, with a report of seventy-five cases

of ruptured appendices. 30p. 28cm. Milwaukee, n. p., 1937.
Typewritten.

MILLER, Joseph L., 1875– Joyfull newes out of the new-found worlde; the first American materia medica. p.253–96. 20cm. Phila., W. B. Saunders Co., 1933.
In: Lectures Hist. Med., 1926–32, Phila., 1933.

—— Renaissance midwifery: the evolution of modern obstetrics, 1500–1700. p.297–337. 20cm. Phila., W. B. Saunders Co., 1933.
In: Lectures Hist. Med., 1926–32, Phila., 1933.

MILLER, Joseph Leggett, 1867–1937. Typhoid fever. p.665–744. 26½cm. N. Y., Oxford Univ. Pr., 1940.
In: Oxford Med. (Christian, H. A.) v.4:
Herrick, J. B. Biography. In his Memories of Eighty Years, Chic., 1949, 157.
For obituary see Arch. Int. M., 1937, **60:** 730, portr. Also J. Am. M. Ass., 1937, **109:** 520, portr. Also Tr. Ass. Am. Physicians, 1938, **53:** 18 (Capps, J. A.)
For portrait see in: Hist. Am. M. Ass. (Fishbein, M.) Phila., 1947, 1112.

MILLER, Joseph M., 1907–
See **Stevens, S. S., Egan, J. P.** [et al.] The effects of noise on psychomotor efficiency; noise reduction in aircraft as related to communication, annoyance and aural injury. 124 l. 27½cm. Cambr., 1941.

MILLER, Joseph Matthew, 1911– *Sarcoma of the mammary gland [Univ. Minnesota] 51 l. illust. tab. 28cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1938.
Typewritten.
For biography see in Am. Men in Gov., Wash., 1949, 270.

MILLER, Karl. Salud, vigor y belleza por la gimnasia sin aparatos; los mejores ejercicios por ambos sexos; seguidos de prescripciones para su aplicación en las distintas dolencias. 3. ed. españ. 127p. illust. 20cm. Barcel., Ed. Osso, 1943.

MILLER, Lawrence William, 1897– , & **BOYLE, J. S.** The Hydnaceae of Iowa. 92p. pl. 24cm. Iowa City, Univ. Iowa, 1943.
Forms No. 2, v.18, Stud. Nat. Hist. Univ. Iowa.

MILLER, Lewis Hackaliah, 1852–1928.
For biography see in Coll. Physicians & Surg. N. York (Shrady, J.) N. Y., 1903, **1:** 630, portr.

MILLER, Lewis L., 1798–1870.
For biography see in: Med. School Brown Univ. (Parsons, C. W.) Provid., 1881, 39.
For portrait see Rhode Island M. J., 1948, **31:** 31.

MILLER, Lila, 1902–
For biography see Univ. Hosp. Bull., Ann Arb., 1943, **9:** 73, portr.

MILLER, Lucille Ferol W., 1878–1947.
For obituary see J. Nat. M. Ass., 1947, **39:** 269 (Alexander, W. G.)

MILLER, Luise, 1909– *Der gegenwärtige Stand der Forschung über Vitamin A [München] 32p. 21cm. Speyer a. R., Pilger, 1936.

MILLER, Luke, 1815–81.
For biography see Minnesota M., 1947, **30:** 652–5 (Guthrey, N. H.)

MILLER, Mary Thomas, 1869–1923.
For obituary see Tr. Alumnae Ass. Woman's M. Coll. Pennsylvania, 1923, **48:** 12.

MILLER, Maurice Erwin, 1868–1938.
For portrait see in Hist. M. Soc. Distr. Columbia, Wash., 1909, opp. p. 217.

MILLER, Maurice Irving, 1897–1947.
For obituary see Ohio M. J., 1947, **43:** 1080.

MILLER, Merle Middoun, 1903–
For portrait see Collection in Library.

MILLER, Milton Albert, 1907– Laboratory manual for vertebrate anatomy. 2p. l., 93 l. illust. tab. 28cm. Davis, Calif., the Author, 1948.
See also **Hamre, C. J., & Miller, M. A.** Laboratory manual in comparative anatomy of the vertebrates. 148p. 22cm. Honolulu, 1939.

MILLER, Minor W., 1887–
For portrait see J. Indiana M. Ass., 1945, **38:** 331; 1946, **39:** 505.

MILLER, Miriam Charlotte, 1889– Through the years with the nurses at the Shadyside Hospital; a history of the Pittsburgh Training School for Nurses now the Shadyside Hospital School of Nursing. xv,181p. illust. portr. 23cm. Pittsb., the Author, 1946.

MILLER, Neal Elgar, 1909–
See **Dollard, J., Miller, N. E.** [et al.] Frustration and aggression. 209p. 23½cm. New Haven, 1939.

MILLER, Noah Richard, 1905–
For biography see Nebraska M. J., 1947, **32:** 467.

MILLER, Norman Fritz, 1894–
See **Peterson, R., & Miller, N. F.** A manual for a demonstration course in obstetrics. 3. ed. 188p. 21cm. Ann Arb., 1940.
For portrait see Mississippi Doctor, 1935–36, **13:** No. 9, 61. Also Dallas M. J., 1941, **27:** 25. Also Bull. Chicago M. Soc., 1946–47, **49:** 474. Also Bull. Multnomah Co. M. Soc., 1948, **3:** No. 8, 10.

—— & **BRYANT, Virginia.** Gynecology and gynecologic nursing. vi, 378p. illust. diagr. 20½cm. Phila., W. B. Saunders Co., 1944.

—— & **HYDE, Betty.** Gynecology & gynecologic nursing. 2. ed. x, 485p. illust. ch. 20½cm. Phila., W. B. Saunders Co., 1949.

MILLER, Otto. Formulário terapêutico de bolso; medicina interna, pediatria. vii, 102p. tab. 15½cm. Rio, n. p., 1947.

MILLER, Paul. The war dead return. 92p. 19cm. Lond., Psychic Pr., 1943.

MILLER, Peter, 1773–1848.
For biography see Virginia M. Month., 1949, **76:** 233.

MILLER, Philip, 1691–1771.
For portrait see Chemist & Druggist, Lond., 1923, **98:** 920.

MILLER, Philip R. Dear Elmer; a series of letters between a father and a son who is attending dental college. 72p. 8° Toledo, Blade Print. Co., 1935.

MILLER, Reginald Henry, 1879–1948.
For obituary see Brit. M. J., 1949, **1:** 76. Also Lancet, Lond., 1949, **1:** 84.

MILLER, Reuben Boyd, 1871–1928.
For biography see Army M. Bull., 1941, No. 57, 98–100.

MILLER, Richard Henry, 1884– Tuberculosis of the lymphatic system. xiv, 248p. illust. pl. 8° N. Y., Macmillan Co., 1934.

MILLER, Robert Cunningham, 1899–
For portrait see Biol. Colloq., Corvallis, 1946, **7:** 4.

MILLER, Robert Horace, 1879– Applied anatomy, functional and topographical. 484p. illust. pl. 24½cm. Phila., Lea & Febiger, 1938.

MILLER, Robert Warren, 1850–1940.
For portrait see Bull Los Angeles Co. M. Ass., 1946, **76:** No. 3, 49.

MILLER, Roger G., 1900– Synopsis of full and partial dentures. 221p. illust. 20cm. S.Louis, C. V. Mosby Co., 1942.

MILLER, Roshier Welsh, 1870–
For biography see Virginia M. Month., 1941, **68:** 670, portr. (Smith, J. H.) Also Messenger, 1942, **39:** 30, portr.

Miller, Roy Benson, 1877–
For biography see in Past Presid. West Virginia M. Ass., Charleston, 1942, 107, portr.

MILLER, Rudolf, 1895– *Die Veränderung der Mundschleimhaut unter der Einwirkung von Tintenstift-Farbstoffen [Tübingen] 23p. 8° Göppingen, A. Müller, 1931.

MILLER, Rudolf, 1913– *Untersuchung eines Hirnlipoidsols auf seine Antigeneigenschaft im anaphylaktischen Versuch am Meerschweinchen. 7p. 23cm. Hamb., A. Preilipper, 1941.

MILLER, Ruth Emma, 1905– *A quantitative and qualitative study of the bacterial flora of the sewage passing through the activated sludge sewage treatment plant at Collingswood,

N. J. [Pennsylvania] 27p. 8°. Phila., the Author, 1936.

MILLER, Samuel Charles, 1903– Oral diagnosis and treatment planning; a textbook for students and practitioners of dentistry and medicine. xiv,620p. illust. pl. diagr. 8°. Phila., P. Blakiston's Son & Co., 1936. Also 2. ed. xviii, 903p. 1946.

Second edition has title: Oral diagnosis and treatment.

See also **Sorrin, S., & Miller, S. C.** The practice of periodontia. 160p. 8°. N. Y., 1928.

—— **SORRIN, Sidney** [et al.] Textbook of periodontia (oral medicine). 631p. 8°. Phila., Blakiston Co., 1938. Also 2. ed. xvi, 733p. 23½cm. 1943.

MILLER, Samuel Douglas, 1907–

For biography see Nebraska M. J., 1947, **32:** 467.

MILLER, Samuel Freeman, 1816–90.

For biography see in Am. Biogr. (Preston, W.) N. Y., 1940, 696.

MILLER, Samuel Rush, 1869–1947.

For obituary see J. Tennessee M. Ass., 1948, **41:** 97.

MILLER, Saul D. *Ein Beitrag zur Tuberkulose des Waldeyerschen Schlundrings. 20p. 8°. Lausanne, Impr. Mont-Blanc, 1938.

MILLER, Seward Elmore, 1905– Clinical laboratory medicine. p.1106–48. illust. pl. tab. 26cm. Balt., 1946.

In: Modern Manag. Clin. Med. (Albrecht, F. K.) Balt., 1946.

—— Diseases of the blood and blood-forming organs. p.190–225. illust. tab. 26cm. Balt., 1946.

In: Modern Manag. Clin. Med. (Albrecht, F. K.) Balt., 1946.

MILLER, Shirley Putnam, 1878– *The effects of inanition upon the stomach and intestines of albino rats underfed from birth for various periods [Minnesota] 16p. 8°. Minneap., the Author, 1923.

For biography see Phi Chi Q., Menasha, 1935, **32:** 78; 1942, **39:** 351, portr.

MILLER, Sidney, 1914– *The urinary excretion of the 17-ketosteroids in diabetes mellitus [Minnesota] 62 l. tab. diagr. 28cm. Rochester, Minn., Mayo Found. M. Educ. & Res.. 1944.

Also J. Clin. Endocr., 1945, **5:** 220–5.

MILLER, Simon, 1848–1935.

For obituary see Week. Roster, Phila., 1935, **30:** 1473; 1476. (Senty, W. M.) Also Wisconsin M. J., 1936, **35:** 229–32, portr. (Miller, W. S.)

MILLER, Sumner Marcy, 1873–1945.

For obituary see J. Am. M. Ass., 1946, **130:** 299.

MILLER, Sydney Robotham, 1884–1949.

For obituary see Ann. Int. M., 1949, **31:** 183, portr. Also J. Am. M. Ass., 1949, **140:** 1043.

For portrait see in Am. Coll. Physicians (Morgan, W. G.) Phila., 1940, 18. Also in Proc. Dent. Centen. Celebr. (Maryland Dent. Ass.) 1940, 905.

MILLER, Tate, 1892–

For biography see Texas J. M., 1948–49, **44:** 67, portr.

For portrait see Dallas M. J., 1947, **33:** 73.

MILLER, Thomas, 1806–73.

For biography see in Hist. M. Soc. Distr. Columbia, Wash., 1909, 226; portr. Also in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2:** 173 (Lamb, D. S.) Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 794. Also Med. Ann. District of Columbia, 1946, **15:** 185, portr.

MILLER, Thomas, 1857–1915.

For portrait see in Hist. M. Soc. Distr. Columbia, Wash., 1909, opp. p. 209.

MILLER, Thomas Grier, 1886–

For portrait see Nu Sigma Nu Bull., 1940–41, **30:** 116; 1942, **31:** 102.

MILLER, Vernon Lemont, 1903– The critical frequency limen for visual flicker in children between the ages of 6 and 18. p.3–53. illust. tab. 23½cm. Provincetown, 1942.

Forms No. 1, Pt 1, v.**26,** Genet. Psychol. Monogr.

See also **Renshaw, S., Miller, V. L., & Marquis, D. P.** Children's sleep. 242p. 8°. N. Y., 1933.

MILLER, Vincent [pseudonym?] The manplant; or, Scheme for increasing and improving the British breed. 2. ed. 2p. l., 50p. 8°. London, M. Cooper, 1752.

MILLER, Virginia. Editor of American men in government. 472p. 24½cm. Wash., 1949.

MILLER, W. E.

See **Jones, G. W., Miller, W. E., & Campbell, John.** Ventilation of manholes; effect of vertical ducts in combination with openings in manhole covers on the natural ventilation. 7p. 4°. Wash., 1940.

MILLER, Wade Hampton, 1895– Analysis of the aviation medicine situation and recommendations for a Bureau program. 7p. 27cm. Wash., Gov. Print. Off., 1940.

Forms No. 9, Techn. Develop. Rep. Civil Aeron. Authority.

—— Anatomy. p.17–70. illust. diagr. 25cm. S. Louis, 1949.

In: Clin Orthopt. (Kramer, M. E.) S. Louis, 1949.

—— Physiology. p.93–124. illust. tab. diagr. 25cm. S. Louis, 1949.

In: Clin. Orthopt. (Kramer, M. E.) S. Louis, 1949.

MILLER, Walter Peck, 1876–1910.

For obituary see Tr. M. Soc. Virginia, 1910, **41:** 419.

Miller, Wilbur Redington, 1903–

For portrait see Nu Sigma Nu Bull., 1940–41, **30:** 225; 1942, **31:** 253. Also Med. Bull. Univ. Iowa, 1949, Nov. 1.

MILLER, William, 1878–1914.

For obituary see Glasgow M. J., 1915, **83:** 39.

MILLER, William, 1912– The book industry; a report of the Public Library Inquiry. xiv, 156p. tab. 22½cm. N. Y., Columbia Univ. Pr., 1949.

MILLER, William Allen, 1817–70.

Adams, C. W. William Allen Miller and William Hallowes Miller; a note to the early history of spectroscopy. Isis, Menasha, 1942–43, **34:** 337–9.

MILLER, William Augustus. The involuntary forces, their use and abuses and how to control them. 215p. portr. 19½cm. Hannibal, Mo., the Author, 1900.

MILLER, William B. E., HAZARD, Willis Pope [et al.] Diseases of live stock and their most efficient remedies. 523p. 8°. Phila., D. McKay, 1890.

MILLER, William Christopher, 1898– Some parasites of British sheep; with some suggestions for their eradication and control. 106p. 12°. Glasgow, R. Young & Co., 1926.

—— Black's Veterinary dictionary. 2. ed. xii, 1140p. illust. pl. 8°. Lond., A. & C. Black, 1935.

For biography see Vet. Rec., Lond., 1944, **56:** 471, portr.

MILLER, William E., 1871–

For biography see in Hist. Class 1893 Dep. Med. Univ. Pennsylvania (Forst, J. R.) Phila., 1913, 176.

MILLER, William H. How to relax; scientific body control. xi, 99p. pl. 21cm. N. Y., Smith & Durrell, 1945.

MILLER, William Hallowes, 1801–80.

Adams, C. W. William Allen Miller and William Hallowes Miller; a note to the early history of spectroscopy. Isis, Menasha, 1942–43, **34:** 337–9.

MILLER, William Humphrys, 1882–1938.

For obituary see Tr. Am. Acad. Ophth. Otolar., 1939, 419.

MILLER, William J., 1870–1947.

For obituary see Wisconsin M. J., 1947, **46:** 734.

MILLER, William Jackson, 1867–1947.

For obituary see Week. Bull. S. Louis M. Soc., 1947–48, **42:** 473, portr.

MILLER, William John.

See **Pilates, J. H., & Miller, W. J.** Return to life through contrology. 87p. 26cm. N. Y., 1945.

MILLER, William Lash, 1866–1940.
For obituary see J. Am. Chem. Soc., 1941, **63:** 1, portr. (Bancroft, W. D.) Also J. Washington Acad. Sc., 1941, **31:** 484. Also Tr. R. Soc. Canada, 1941, **35:** 131–4, portr. (Kenrick, F. B.) Also J. Chem. Soc., Lond., 1942, 334–6 (Kenrick, F. B.)

MILLER, William Leon, 1859–1910.
For portrait see in Hist. M. Soc. Distr. Columbia, Wash., 1909, opp. p. 145.

MILLER, William Lindsay, 1897–
For portrait see Collection in Library.

MILLER, William Louis, 1889–1918.
For obituary see J. Michigan M. Soc., 1918, **17:** 346.
For portrait see Collection in Library.

MILLER, William Snow, 1858–1939. William Beaumont and his book; Elisha North and his copy of Beaumont's book. p.155–79. 4° N. Y., P. B. Hoeber, 1929.
Also Ann. M. Hist., 1929, n. ser., **1:**

—— John Davidson Godman. p.293–303. illust. portr. 8° N. Y., P. B. Hoeber, 1937.
Also Ann. M. Hist., 1937, n. ser., **9:**

—— The lung. xiv, 209p. illust. tab. 8° Springf., C. C Thomas, 1937. Also 2. ed. 222p. 1947.

—— Dane County Medical Society, 1860–1870. 14p. portr. 8° Madison, 1938.
Also Wisconsin M. J., 1938, **37:** 580–92.
For Festschrift see **Miller** (William Snow) Festschrift. p.81–238. 25½cm. Menasha, Wis., 1928.
See also **Middleton, W. S.** Doctor William Snow Miller and his seminar. Bull. Hist. M., 1940, **8:** 1067–72, portr.—**Garrison, F. H.** Professor Miller as a pioneer in postgraduate (seminar) training in the history of medicine. Phi Beta Pi Q., 1928–29, **25:** 128–30.—**Krause, A. K.** Some pathologial and clinical applications of William Snow Miller's studies on the anatomy of the lung. Ibid., 124–7.
For bibliography see Phi Beta Pi Q., 1928–29, **25:** 83–5, portr.
For biography see Q. Phi Beta Pi M., 1933–34, **30:** 19, portr.
For obituary see Anat. Rec., 1940, **76:** Suppl., 21. Also J. Am. M. Ass., 1940, 114: 269. Also Wisconsin M. J., 1940, **39:** 109, portr. (Meek. W. J.)

MILLER (William Snow) Festschrift; assembled on the occasion of his seventieth birthday. p.81–238. illust. portr. facs. 25½cm. Menasha, Wis., 1928.
Also Q. Phi Beta Pi M., 1928, **25:**

MILLER, William Taylor, 1896– & **JOHNSON, Howard Wilfred.** Differential staining of section of unpreserved bovine udder tissue affected with mastitis. 4p. pl. 8° Wash., Gov. Print. Off., 1939.
Forms Circ. No. 514, U. S. Dep. Agr.

MILLER, Willoughby Dayton, 1853–1907.
Anderson, H. B. Pierre Fauchard, 1690–1761 and W. D. Miller, 1853–1907. Bull. Acad. M., Toronto, 1938, **11:** 132–4.—**Thorpe, B. L.** Willoughby Miller, a great dental scientist. In his Biogr. Pioneer Am. Dentists, Chic., 1909, 581–91, portr.—**Unveiling** of the American Miller Memorial. Oral Hyg., Pittsb., 1916, **6:** 115–9, portr.—**Witthaus, C. H.** Een monument voor W. D. Miller. Tschr. tandheelk., 1948, 55: 242–4.
For biography see in Story of Dent. (Bremner, M. D. K.) 2. ed., Brooklyn, 1946, after 206, portr.
For portrait see in Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, 1: 473. Also Zahnärztl. Mitt., 1941, **32:** 350. Also in Técn. dent. conserv. (Zabotinsky, A.) 2. ed., B. Air., 1942, 27. Also in Prof. Dent. Am. soc. Asgis, A. J.) N. Y., 1943, opp. p. 96. Also in Dent. Chronol. (Prinz, H.) Phila., 1945, 108. Also in Zahnh. i. 19ten Jahrh. (Strömgren, H. L.) Kbh., 1945, 173.

MILLER, Wolfgang Berthold, 1911–
*Die Ohrenerkrankungen im Kindesalter bearbeitet nach Beobachtungen aus der Zeit vom 1. Januar 1924 bis 1. Januar 1934 [München] 48p. 21cm. Zeulenroda, B. Sporn, 1936.

MILLER.

See also **Mill [and milling];** also **Asthma; Dermatosis,** occupational: **Eczema,** occupational.
Angulo, L. N., & Gallego, J. D. Berufliche Lungenerkrankungen im spanischen Mühlengewerbe. Ber. Internat. Kongr. Unfallmed. (1938) 1939, 8. Congr., **2:** 1213–27.—**Castellino, P. G.** Le stigmate dei mugnai. Fol. med., Nap., 1938, **24:** 233–7.—**Cesarani, F.** L'interpretazione delle immagini radiologiche dei corpi estranei nella mani dei mugnai. Radiol. med., Tor., 1948, **34:** 272–7.—**Cesàro, A. N.** Sulla patologia dei lavoratori dei molini; inchiesta igienico, clinico, radiologica. Rass. med. indust., 1947, **16:** 49–70.—**Dishoeck, H. A. E. van, & Roux, D. J.** Die Pathogenese der Mehl- und Persulfatüberempfindlichkeit bei Mehlarbeitern. Arch. Derm. Syph., Berl., 1940, **181:** 34–40.—**Hirsch, A.** Hygienische Bedenken gegen das Deka-Malverfahren. Deut. med. Wschr., 1928, **54:** 241.—**Hruszek, H.** Ueber eine Berufsdermatose bei Müllern. Derm. Wschr., 1935, **101:** 1549.—**Jiménez Díaz, C., Castro Mendoza, H.** [et al.] El alergeno sensibilizante en el asma de los molineros. An. Inst. invest. méd., Madr., (1937–41) 1942, **1:** 303–6. Also Minerva med., Tor., 1941, **32:** pt 1, 42 (Abstr.)—**Jiménez-Diaz, C., Lahoz, C., & Canto, G.** The allergens of mill dust; asthma in millers, farmers, and others. Ann. Allergy, 1947, **5:** 519–25.—**Krüger, E., & Saupe, E.** Gewerbehygienische und klinisch-röntgenologische Untersuchungen an Bäckern und Müllern. Med. Klin., Berl., 1928, **24:** 1860–3.—**Najera Angulo, L., & Dantin Gallego, J.** Les poussières dans la meunerie et dans ses produits. Arch. mal. profess., Par., 1939, **2:** 337–47.—**Saupe.** Ueber das Müllergewerbezeichen (Müllerkrätze) Fortschr. Röntgenstrahl., 1928, **37:** 492.

MILLER-ABBOT tube.

See **Intestine,** Intubation.

MILLERET, Paul, 1919– *Les réactions du squelette dans les méningiomes; les méningiomes avec hyperostose. 196p. illust. tab. 25cm. Lyon, C. Annequin, 1948.

MILLERET, Pierre, 1902– *De l'invagination intestinale aiguë de l'adulte dans sa variété iléo-iléale. 75p. pl. 8° Par., A. Legrand, 1928.

MILLERIS, Aronas. *Contribution à l'étude de la blennorragie féminine. 51p. 8° Genève, Impr. du Commerce, 1934.

MILLET, Adrien, –1937. Etude expérimentale de la formation des voyelles. 71p. 25½cm. Par., Hermann & cie, 1938.
Forms No. 630, Actual. sc. industr.

MILLET, Alain, 1922– *Les cryptoleucémies à forme anémique. 67p. 24cm. Par., R. Foulon, 1946.

MILLET, Henri. *A propos de la mortalité maternelle à la Clinique d'accouchement de la Faculté de Toulouse de 1934 à 1945 [Toulouse] 56p. tab. 24cm. Montauban, J. Prunet, 1946.

MILLET, Jean, 1912– *Contribution à l'étude des formes cliniques atypiques de granulomatose maligne. 96p. tab. 25cm. Montpel., Impr. Mari-Lavit, 1937.

MILLET, John Alfred Parsons, 1888– Insomnia; its causes and treatment. 195p. illust. diagr. 19½cm. N. Y., Greenberg, 1938.
For biography see in Internat. Who's Who World M., N. Y., 1947, 480.

MILLET, M. *Contribution à l'étude des Hémiptères nuisibles aux végétaux [Pharm.] 124p. pl. 24cm. Strasb. [n. p.] 1938.

MILLET, Marc, 1915– La transfusion sanguine dans le traitement des broncho-pneumonies des nourrissons. 100p. 25½cm. Lyon, Bosc fr. M. & L. Riou, 1939.

MILLET, Melvin C., 1868–1907.
For biography see in Physicians Mayo Clin., Phila., 1927, 370, portr.

MILLET, Raymond. Claude Bernard; ou, L'aventure scientifique. 316p. illust. 19cm. Par., Ed. nouv. France, 1945.

MILLET, René, 1907– *Contribution à l'étude des abcès du cervelet. 256p. 8° Lyon, A. Rey, 1935.

MILLET, Roscoe Frick. 1905– *Comparative study of the bromsulphalein test and of the galactose and lactic acid tolerance tests in experimental hepatic injury [Minnesota] 31 l. tab. diagr. 28cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1934.
Typewritten.

MILLET [Panicum]

See also **Cereal**—in human pathology; **Grain.**

[**Brazil. Decreto, 17 agosto 1938**] Regulamentação da classificação comercial e fiscalisação da exportação do milho. Rev. mil. med. vet., Rio, 1939, **2**: 951–4.—**Costa, D.** Valor de crescimento do Adlay e do arroz comum. Hospital, Rio, 1945, **27**: 991–6.—**Dvinianinova, I. L., & Savvina, A. G.** Practically important properties of millet oil. C. rend. Acad. sc. URSS, 1941, **33**: 248–50.—**Féron, F., & Bouquet, F.** Présence de lipase dans la farine de millet. Ann. nutrit., Par., 1948, **2**: 537–41.—**Klivanskaja, A. A.** O jaćmene. Feldsher & akush., 1949, No. 7, 52.—**Maurizio, A.** Plantes à bouillies tombées en désuétude; le millet sanguin. In his Hist. aliment. végét., Par., 1932, 303–7.

—— Disease.

Elliott, C. A bacterial stripe disease of proso millet. J. Agr. Res., 1923–24, **26**: 151–9, 3 pl.—**Kopelman, J. A.** Ob ośibkakh v opredelenii porażennosti pśena vrediteljami. Hig. & san., Moskva, 1947, **12**: No. 10, 46.

—— Nutritive properties.

Holdheim, H. *Die Wirkung des Hirseeiweisses auf die Lage der Harnquotienten C:N und Vacat, O:N. 19p. 23cm. Berl., 1937.

Akimoto, M., Tagawa, K., & Tanaka, K. Awa no gan-yūsuru vitamin B_1 to kore ga gansui-ryō oyobi ondo ni yoru eikyō [The vitamin B content of millet, and the effect on it of the water content and the temperature] Kokumin eisei, 1935, **12**: 1785–94.—**Corkill, N. L., Creditor, H., & Stewart, G. E. S.** Millet beer and peanuts as protective foods in Africans. J. Trop. M. Hyg., Lond., 1948, **51**: 140–4.—**Schoofs, F.** Composition et valeur alimentaire de la farine de millet. Tr. Inst. pharm. Gilkinet, Liége (1947–48) 1949, **11**: No. 1, 11–6.—**Simizu, S., & Iizima, T.** Haiseihun no nyūzi eiyō tenka-hin tosite no kati [The nutritive value of powdered Japanese millet (barn grass) added to the diet of infants] Acta paediat. jap., 1948, **52**: 59.—**Takei, U.** Stoffwechseluntersuchung an dem in Jehol endemischen Kropfe; über die Verdauungs- und Resorptionsfähigkeit von Hirse. J. Orient. M., Dairen, 1936, **24**: 11.

—— Poisoning.

See also **Agranulocytosis; Anemia** subheadings (aplastic; toxic) **Bone marrow,** Diseases; **Fusarium.**

Mayer, C. F. Endemic panmyelotoxicosis in the Russian grain belt. Pt 1: The clinical aspects of alimentary toxic aleukia; a comprehensive review. Pt 2: The botany, phytopathology, and toxicology of Russian cereal food (with bibliogr.) [39]p. 8°. Wash., 1953.

Also Mil. Surgeon, 1953, **113**: 173; 295.

Ayyar, K. V. S., & Narayanaswamy, K. Varagu poisoning. Nature, Lond., 1949, **163**: 912.—**Belecky, G. N.** O merakh preduprežđenija i borby s zabolevanijami septićeskoj anginoj (alimentarnaja toksićeskaja alejkija) Hig. & san., Moskva, 1945, **10**: No. 3, 22–6.—**Cherkes, G. A.** [Routes of excretion of alitoxin in experimental cereal poisoning] Biull. eksp. biol. med., 1944, **17**: No. 3, 41–5.—**Elpidina, O. K.** [On phytotoxins occurring in grain responsible for septic angina] C. rend. Acad. sc. URSS, 1945, **46**: 83–5.—**Fridman, J. M.** Opyt profilaktićeskoj raboty po preduprežđeniju alimentarnoj toksićeskoj alejkii v 1945 g. Hig. & san., Moskva, 1946, No. 9, 35–41.—**Grinberg, G. I.** [Clinical aspect and pathogenesis of the so-called septic angina] Sovet. med., 1943, **7**: No. 10, 24.—**Gubarev, E. M., & Gubareva, N. A.** Khimićeskaja priroda i nekotorye fiziologićeskie svojstva jadov, obuslovlivajuśćikh septićeskuju anginu. Biokhimia, Moskva, 1945, **10**: 199–204.—**Hata, S.** Kōryō-syoku ni yoru kōmon-heisoku oyobi nyōhei [Stricture of the anus and anuria due to a diet of sorghum] Rinsyo hihu hinyoka, 1946–47, **1**: 123.—**Karatygin, V. M., & Rožnova, Z. I.** Vitaminnaja nedostatoćnost pri alimentarnotoksićeskoj alejkii (septićeskoj angine) Sovet. med., 1947, **11**: No. 5, 17–9.—**Kholodenko, M. I.** Izmenenija nervnoj sistemy pri toksi-alimentarnoj alejkii (tak nazyvaemoj septićeskoj angine) Nevropat. psikhiat., 1947, **16**: No. 4, 67.—**Kretović, V. L., & Bundel, A. A.** Issledovanie masla iz perezimovavśego v pole toksićeskogo prosa. Biokhimia, Moskva, 1945, **10**: 216–24.—**Kretović, V., Sosedov, N.** [et al.] Biokhimićeskie osobennosti jadovitogo prosa. Ibid., 279–84.—**Perstneva, A. P.** O nekotorykh osobennostjakh kliniki alimentarnoj hemorragićeskoj alejkii (septićeskoj anginy) Klin. med., Moskva, 1949, **27**: No. 5, 85–7.—**Rubinstein, U. I.** Toksićeskie kultury Fusarium iz zlakov Zabajkalja. Hlg. & san., Moskva, 1949, **14**: No. 12, 35–9.—**Sarkisov, A. K., & Kvaśnina, E. S.** Novye toksiko-biologićeskie svojstva griba Fusarium sporotrichioides Sherb. Doklady Akad. nauk SSSR, 1948, **63**: 77–9.

MILLET-LACOMBE, Georges Pierre, 1907–

*Contribution à l'étude clinique et thérapeutique des ruptures utérines obstétricales. 80p. 25cm. Bord., Impr. Delmas, 1933.

MILLET & ROUX [Montevideo, Uruguay]

For almanac see **Guía formulario e índice terapéutico.** B. Air., 1942–

MILLETT, Clinton Charles, 1910–

For biography see Nebraska M. J., 1947, **32**: 465.

MILLETT, John David, 1912– The role of the Army Service Forces. MS. 3v. [877]p. [After 1945]

MS. in Histor. Div. SGO U. S. Army.

MILLETTE, John W., 1864–

For biography see in Biogr. Encycl. World, 2. ed., N. Y. 1942, 291.

MILLETTIA.

See also **Leguminosae.**

Bachstez, M., & Cavallini, G. Contributo alla conoscenza della composizione chimica dei semi di Millettia ferruginea. Farmaco, Pavia, 1946, **1**: 195.—**Clark, E. P.** The occurrence of rotenone and related substances in the seeds of the berebera tree; a procedure for the separation of deguelin and tephrosin. J. Am. Chem. Soc., 1943, **65**: 27–9.—**Shin Foon Chiu, Sping Lin, & Yee Som Chui.** Insecticidal action of Millettia pachycarpa Benth. J. Econom. Entom., 1942, **35**: 80–2.

MILLHOFF, Clarence Beacom, 1873–1947.

For obituary see Med. Comment, 1947, **29**: No. 12, 4, portr.

MILLIAMMETRY.

See also **Electrometry.**

Abadie. Dispositif simple permettant d'éclairer le milliampèremètre du meuble de Gaiffe pour Coolidge sans interrompre l'obscurité. Presse méd., 1921, **29**: (annexe) 415.—**Badstübner.** Das Milliampèremeter bei Rontgenaufnahmen und bei der Härtebestimmung von Röhren. Deut. mil. ärztl. Zschr., 1913, **42**: 339–42.—**Belot, J.** Lampe pour éclairage des milliampèremètres. J. radiol. électr., 1916, **2**: 180.—**Chantraine, H.** Das ballistische Milliamperemeter. Fortsch. Röntgenstrahl., 1928, **37**: 865.—**Nolke, W.** Eine neue Milliamperemeterbeleuchtung. Ibid., 1926, **35**: 282.—**Saigō, H.** Sinkei milliampere-byō-kei ni tuite [A new type of milliampere-second meter] Ika kikaigaku zassi, 1939–40, **17**: 323–7. —— Milliampere-byō relay ni tuite [On milliampere-second relay Ibid., 1941–42, **19**: 31–4.—**Schönfeld, A.** Meine Erfahrungen am akustischen Milliampère-Minuten-Zähler nach Dr. Spiegler. Röntgenpraxis, 1930, **2**: 586–94.—**Spiegler, G.** Der akustische Milliampèrezähler. Ibid., 1929, **1**: 758–62.—**Thoræus, R.** How far can ordinary milli-ammeters be used for reading short-time currents? Acta radiol., Stockh., 1930, **11**: 321–30.—**Watson, W.** Time and milliamperes. Radiography, Lond., 1946, **12**: 33.—**Wertheim-Salomonson, J. K. A.** The milliampèremeter and Roentgen light. Arch. Röntg. Ray, Lond., 1910–11, **15**: 445–50. Also Fortsch. Röntgenstrahl., 1910–11, **16**: 291–6. Also Arch. électr. méd., 1912, **20**: 296–303.

MILLIAU, Marcel, 1907– *Les scarlatines frustes et leur diagnostic. 75p. 8°. Par., C. Serre, 1932.

MILLICEV, Vladimir, 1898– *Der Einfluss des vegetativen Nervensystems auf den Stoffwechsel und die Wärmeregulation. 24p. 8°. Berl., E. Ebering, 1927.

MILLICK, John Witmire, 1846–1924.

For portrait see in North. M. Ass. Philadelphia (Jacobs, M. S.) Phila., 1946, 76.

MILLIES, Edith, 1911– *Ueber schwere Blutungen aus Magen- und Duodenalgeschwüren und ihre Behandlung [Berlin] 23p. 8°. Potsdam, A. W. Hayn, 1937.

MILLIET, Sérgio, 1898–

See **Silva Sérgio Milliet da Costa e,** 1898–

MILLIEZ, Paul Lucien Marie, 1912–

*Accidents cérébraux des hypertendus et oedème méningo-encéphalique. 381p. pl. 24cm. Par., J. Peyronnet & cie, 1943.

MILLIGAN, Clarence Wilbur, 1885–1950.

For obituary see Bull. Sangamon Co. M. Soc., 1950, **15**: 51, portr.

MILLIGAN, Hulbert, 1865–1925.

For obituary see J. Am. M. Ass., 1925, **85**: 53.

MILLIGAN, Roy Heape, 1889–1948.
For obituary see Tr. Am. Acad. Ophth. Otolar., 1949–50, **54:** 78.

MILLIGAN, Stanley Andrew, 1884–1924.
For obituary see J. Am. M. Ass., 1924, **83:** 211.

MILLIGAN, Sir William, 1864–1929.
For obituary see Lancet, Lond., 1929, **2:** 1393. Also Brit. M. J., 1930, **1:** 47–9. Also J. Lar. Otol., Lond., 1930, **45:** 155–8, portr.

MILLIGEN, George, fl. 1763–75.
For biography see Rec. Columbia M. Soc. Richland Co., 1949, **13:** No. 6, 14–23.

MILLIGRAPHY

Cignolini, P. Regmographie und Milligraphie. Fortsch. Röntgenstrahl., 1948, **67:** 177–85.—**Gilardoni, A.** Regmographie und Milligraphie. Ibid., 1943, **67:** 185–90.

MILLIKAN, ROBERT ANDREWS, 1868–
For biography see Current Biogr., N. Y., 1940, **1:** 584.

MILLIKEN, HERBERT ELDRIDGE, 1880–1943.
For obituary see J. Maine M. Ass., 1943, **34:** 57.

MILLIKEN, Margaret Eugenie Wilson.
See **Petersen, W. F., & Milliken, M. E. W.** The patient and the weather. **v.2-3.** 2v. 4° Ann Arb., 1934–36.

MILLIKEN, Robert Addison, 1891–1937.
For obituary see J. Arkansas M. Soc., 1937–38, **34:** 150.

MILLIKEN, Samuel Edwin, 1866–1949.
For obituary see Texas J. M., 1949, **45:** 871, portr.

MILLIKEN, Sayres Louise, 1878–1948. Work of Army nurses during wars and in times of peace. 3p. 8° Wash., Surgeon Gen. Off. U. S. Army, 1932.
Mimeographed.

MILLIKIN, Dan, 1845–1914.
For obituary see Lancet-Clinic, Cincin., 1914, **111:** 691.

MILLIKIN, Thomas N., 1862–
For biography see in Hist. Class 1893 Dep. Med. Univ. Pennsylvania (Forst, J. R.) Phila., 1913, 177.

MILLIN, Aubin Louis, 1759–1818.
For portrait see Collection in Library.

MILLIN, Terence John, 1903– Retropubic urinary surgery. vii, 208p. illust. tab. ch. 25cm. [print.: Aberdeen, Centr. Pr.] Edinb., E. & S. Livingstone, 1947.
Also American issue [print.: Aberdeen, Centr. Pr.] Balt., Williams & Wilkins Co., 1947.
For biography see in Internat. Who's Who World M., N. Y., 1947, 480.

MILLINER.

See **Hat industry.**

MILLING, Chapman James, 1901–
For biography see Rec. Columbia M. Soc. Richland Co., 1948, **12:** 7, portr.

MILLING.

See **Mill; Miller;** also **Flour.**

MILLINGEN, Julius Michael, 1800–78.
Wood, C. A. Julius Millingen, Lord Byron's physician. Ann. M. Hist., 1929, n. ser., **1:** 260–9.

MILLINGTON, John, fl. 1854–60.
For biography see in Early Med. Hist. Memphis (Bruesch, S. R.) Memphis, 1947, 32.

MILLINGTON-HERRMANN, Eva, 1914–
*Die Eklampsien und Schwangerschaftstoxikosen an der Universitäts-Frauenklinik Leipzig in den Jahren 1922–26 [Leipzig] 24p. tab. diagr. 23½cm. Zeulenroda, A. Oberreuter, 1942.

MILLIPED.

See also **Chilopoda; Diplopoda.**

Loomis, H. F. The millipeds of Hispaniola, with descriptions of a new family, new genera, and new species. 191p. 8° Cambr., 1936.
Forms No. 1, **v.80,** Bull. Mus. Comp. Zool. Harvard.

—— Three new millipeds of the order Colobognatha from Tennessee, Texas, and Lower California, with records of previously known species. p.361–8. illus. 8° Wash., 1936.
Forms No. 2989, **v.83,** Proc. U. S. Nat. Mus.

—— Crested millipeds of the family Lysiopetalidae in North America, with descriptions of new genera and species. p.97–135. 8° Wash., 1937.
Forms No. 3006, **v.84,** Proc. U. S. Nat. Mus.

—— New and noteworthy millipeds from Cuba, collected by Dr P. J. Darlington in 1936. p.427—80. 8° Wash., 1938.
Forms No. 6, **v.82,** Bull. Mus. Comp. Zool. Harvard.

—— Millipeds collected in Puerto Rico and the Dominican Republic by Dr P. J. Darlington in 1938. p.17–80. 24½cm. Cambr., 1941.
Forms No. 2, **v.88,** Bull. Mus. Comp. Zool. Harvard.

—— New cave and epigean millipeds of the United States, with notes on some established species. p.373–410. 24½cm. Cambr., Mass., 1943.
Forms No. 7, **v.92,** Bull. Mus. Comp. Zool. Harvard.

Granata, L. Ophryomyxa pachyiuli n. sp., parassita dei millepiedi. Monit. zool. ital., 1925, **36:** 143–7.—**Lal, M. B.** Ktenostreptus specularis Attems 1936, a Ceylonese millipede. Current Sc., Bangalore, 1941, **10:** 536. —— Sex dimorphism in Thyroglutus malayus. Ibid., 1942, **11:** 467.—**Loomis, H. F.** The millipeds collected in Appalachian caves by Mr. Kenneth Dearolf. Bull. Mus. Comp. Zool. Harvard, 1939, **86:** 165–93. —— New genera and species of millipeds from the southern peninsula of Haiti. J. Washington Acad. Sc., 1941, **31:** 188–95. —— Sinocybe, a new genus of colobognath millipeds from China. Ibid., 1942, **32:** 270–3. A new genus of Virginia millipeds related to Scytonotus and a new species from Florida. Ibid., 1943, **33:** 318–20.

—— Injurious effect.

Burtt, E. Exudate from millipedes with particular reference to its injurious effects. Trop. Dis. Bull., Lond., 1947, **44:** 7–12.—**Halstead, B. W., & Ryckman, R.** Injurious effects from contacts with millipedes. Med. Arts & Sc., Takoma, 1949, **3:** 16–8.

MILLIS, Harry Alvin, 1873– Sickness and insurance; a study of the sickness problem and health insurance. ix, 166p. tab. 8° Chic., Univ. Chicago Pr., 1937.

MILLISER, Russell Von, 1906–
For biography see Q. Chicago M. School, 1947–48, **9:** No. 4, 33, portr.

MILLMAN, Louis Jay, 1909– *Die akute progressive Schläfenbeinosteomyelitis des Kindesalters. 22p. 8° Stetten-Basel, K. Schahl, 1936.

MILLN, George Herbert Stephens, 1882–1945.
For obituary see Brit. M. J., 1945, **1:** 858.

MILLON, Auguste Nicholas Eugène, 1812–1867.
Blaessinger, E. Biography. In his Quelq. grand. fig. pharm. mil., Par., 1948, 245–86, portr. —— L'oeuvre scientifique de Millon. Ibid., 260–84.

MILLON, Pierre, 1913– *Le facteur humoral dans la pathogénie des accidents de la transfusion de sang; étude expérimentale. 77p. pl. 25cm. Lyon, Bosc fr. M. & L. Riou, 1937.

MILLOT, Albert, 1876–1942.
For biography see Année psychol., Par. (1940–41) 1945, **41:–42:** 668.

MILLOT, Georgette Mangin, 1899– Vos yeux; comment conserver une bonne vue; rééduquer la vision; corriger le strabisme; supprimer les lunettes; comment embellir vos yeux. 104p. illust. pl. 25½cm. Par., Ed. Medicis, 1949.

MILLOT, Jacques, 1897– Cicatrisation et régénération. p.135–225. 25½cm. Par., Masson & cie, 1940.
In: Traité physiol. norm. path. (Roger, G. E. H., & Binet, L.) T. 12.
See also **Lester, P., & Millot, J.** Grundriss der Anthropologie. 190p. 19cm. Lahr, 1947.

MILLOT, Jacques Léon, 1908– *Etude des formes anatomo-cliniques des épithéliomes

du canal cervico-utérin. 129p. pl. 8° Par., A. Legrand, 1936.

MILLS, Alden Brewster, 1903– The extent of illness and of physical and mental defects prevailing in the United States; a compilation of the existing material. 83p. 8° Wash., Com. Costs of Med. Care [1929]

Forms No. 2, Pub. Com. Costs of Med. Care.

—— Hospital public relations. xix, 361p. pl. diagr. 22½cm. Chic., Physicians' Rec. Co., 1939.

See also **Sinai, N., & Mills, A. B.** A study of physicians and dentists in Detroit: 1929. 50p. 8° Wash., 1931.

—— & **GUILD, Cameron St Clair.** The Ross-Loos medical group; a description of a voluntary health insurance plan. 59p. 8° Wash., Com. Costs of Med. Care, 1933.

Forms No. 13, Misc. Contrib. Com. Costs of Med. Care.

MILLS, Alden Brewster, & JONES, Everett W. The modern small hospital and community health center. 138p. illust. plan. diagr. 36cm. Chic., Mod. Hosp. Pub. Co., 1946.

A selection of plans submitted in the competition conducted by the Modern Hospital.

MILLS, Anson, 1834–1924. My story; ed. by C. H. Claudy. 412p. 21½cm. Wash., B. S. Adams, 1918.

MILLS, Arthur Edward, 1865–1940.

For obituary see Brit. M. J., 1940, **1**: 748. Also Med. J. Australia, 1940, **1**: 878–83, portr. (McDonald, C. G.)

MILLS, Charles H. C., 1868–1936.

For obituary see Tr. M. Soc. N. Carolina, 1936, **83**: 112 (Nalle, B. C.)

MILLS, Charles Karsner, 1845–1931. First lessons in physiology and hygiene. ix, 206p. 12° Phila., Eldredge & Brs, 1883. Also rev. ed. with special reference to alcohol, tobacco, and other narcotics. xiv, 238p. 1885. Also another ed. Physiology and hygiene. xiii, 252p. 12° Phila., Hind, Noble & Eldredge, 1904.

See also: Bibliography of Charles K. Mills, M. D., 1872–1907. 19p. 24cm. [n.p., 1908?]

Kieffer, J. E. Charles Karsner Mills, 1845–1931, king of neurologists. Pennsylvania Health, 1940–41, **1**: No. 11, 38–43, portr.—**McCarthy, D. J.** President's address; introduction to Mills lecture. Tr. Am. Neur. Ass., 1933, **59**: 1–3.

For biography see in Am. Biogr. (Preston, W.) N. Y., 1940, 697. Also in North. M. Ass. Philadelphia (Jacobs, M. S.) Phila., 1946, 69, portr. (Solis-Cohen, M.)

For obituary see Tr. Am. Neur. Ass., 1931, **57**: 550–8 (Weisenburg, T. H.) Also Arch. Neur. Psychiat., Chic., 1932, **28**: 1390–410 (Frazier, C. H., Spiller, W. G., et al. Also Tr. Coll. Physicians Philadelphia, 1932, **54**: p. xc–xcii (Weisenburg, T. H.)

MILLS, Charles Wilson, 1879–1945.

For obituary see Ann. Int. M., 1946, **25**: 890. Also J. Am. M. Ass., 1946, **130**: 166. Also Tr. Am. Clin. Clim. Ass. (1946) 1947, **58**: p. civ (Metzger, J.)

MILLS, Clarence Alonzo, 1891– Living with the weather. viii, 206p. portr. 8° Cincin., Caxton Pr., 1934.

—— Medical climatology; climatic and weather influences in health and disease. vii, 296p. map. tab. diagr. 23½cm. Springf., Ill., C. C Thomas, 1939.

—— Climate in health and disease. p.453–500(15) 26½cm. N. Y., Oxford Univ. Pr., 1941.

In: Oxford Med. (Christian, H. A., ed.) 1941, **1**:

—— Climate makes the man. vi, 320p. pl. 22½cm. N. Y., Harper & Bros, 1942.

For portrait see Collection in Library. Also Your M. Ass., Sioux Falls, 1946–47, **1**: No. 3, 1.

MILLS, Cornelius Martin, 1909–

For portrait see California M., 1949, **70**: 338.

MILLS, Edward Sadler, 1897–

See **Ackman, F. D., Gerrie, J. W.** [et al.] A report on the management of burns, using the occlusive compression dressing, with sulfathiazole emulsion. p.21–36. 26cm. Phila., 1944.

MILLS, Elizabeth R. Medical social work in sight conservation as developed in the State of Washington. 15p. 23cm. N. Y., 1944.

Forms No. 428, Pub. Nat. Soc. Prevent. Blind. Also in Sightsav. Rev., 1944, **14**: No. 3.

MILLS, Ellsworth Paro, 1875–1936.

For obituary see Detroit M. News, 1935–36, **27**: No. 48, 7, portr. (Cree, W. J.)

MILLS, Frederick Hubbell, 1869–

For biography see Jefferson M. Coll. Alumni Bull., 1944, **3**: No. 6, 24, portr.

MILLS, Frederick James. The life of John Carter. iv, 122p. pl. facs. 20cm. N. Y., Hurd & Houghton, 1868.

MILLS, George Francis, 1874–1941.

For obituary see J. Am. M. Ass., 1941, **116**: 1981.

MILLS, George Percival, 1883–

For bibliography see in Index d. titres Soc. internat. chir., Brux., 1933, **1**: 374.

For biography see in Internat. Who's Who World M., N. Y., 1947, 480.

—— & **HUMPHREYS, Humphrey.** A textbook of surgery for dental students. 4. ed. xii, 342p. 8° Lond., E. Arnold & Co., 1935. Also 5. ed. 368p. 1948.

MILLS, George Wilson Terry, 1880–1948.

For obituary see N. York State J. M., 1948, **48**: 1294.

MILLS, Gerald Edgell, & POYSER, Arthur Hampden Ronald Wastell. Lunacy practice. xviii, 499p.; 34p. 26cm. Lond., Butterworth & Co., 1934.

MILLS, Harlan Page, 1873–1945.

For obituary see Ann. Int. M., 1945, **22**: 769–71 (Watkins, W. W.) Also Arizona M., 1945, **2**: 177, portr.

MILLS, Harlow Burgess, 1906– Two human diseases which may be contracted from Montana rodents. [8]p. 22cm. Helena, 1941.

Forms No. 1, Misc. Pub. Montana State Bd Entom.

See also **Jellison, W. L., Kohls, G. M., & Mills, H. B.** Siphonaptera. 22p. 22cm. Helena, 1943.

MILLS, Harry Brooker, 1869–1947.

For obituary see J. Am. M. Ass., 1948, **136**: 789. Also Pennsylvania M. J., 1947–48, **51**: 575.

MILLS, Herbert Henry, 1868–1947.

For obituary see Brit. M. J., 1947, **2**: 114. Also Lancet, Lond., 1947, **2**: 75. Also West London M. J., 1947, **52**: 93.

MILLS, Ira D., 1844–1921.

For biography see in Orange Co. M. Hist. (Ball, C. D.) S. Ana, 1926, 46.

MILLS, John Harold, 1902– *Clinical aspects of aneurysms [Minnesota] 113p. tab. 28cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1936.

MILLS, Lawrence W. The osteopathic profession and its colleges. 24p. illust. 23cm. Chic., 1947.

Forms Booklet No. 20, Am. Osteopath. Ass.

MILLS, Lewis Herald.

See **Baker, A. O., & Mills, L. H.** Dynamic biology. 733p. 20½cm. N. Y., 1938.

——— Dynamic biology today. 822p. 23cm. Chic., 1943.

MILLS, Marian E., 1887–

See **Hodgdon, A. R., Mills, M. E., & Clapp, H. S.** Protecting our native plants. 12p. 8° Durham, 1940.

MILLS, Melvin Duane, 1914– *A study of the effect of digitalis upon the final deflection (RS–T segment and T wave) of the electrocardiogram characteristic of left and right ventricular hypertrophy [Minnesota] 2p. l., 55 l. tab. ch. 27½cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1949.

MILLS, Oliver Howard. Lead poison and you; valuable information on physical, medical and insurance angles which all craftsmen should know. 119p. 19cm. Hollywood Station, Los Ang., the Author, 1939.

MILLS, R. Walter, 1877–1924.

For biography see Am. J. Digest., 1946, **13**: 338 (Soper, H. W.)

MILLS, Ralph Garfield, 1881–1944.
For obituary see Ann. Allergy, 1944, **2**: 523 (Unger, L.) Also J. Am. M. Ass., 1944, **126**: 720.

MILLS, Robert H., 1883–
Mills appointed head of the Army Dental Corps. J. Am. Dent. Ass. 1942, **29**: 875.—Mills named first major general in dental history. Ibid., 1943, **30**: 1633, portr.
For biography see Army Dent. Bull., 1942, **13**: 142, portr. Also Bull. Massachusetts Dent. Soc., 1943, **19**: No. 4, 9, portr. Also Bull. U. S. Army M. Dep., 1946, **5**: 626. Also J. Am. Dent. Ass., 1946, **33**: 395.
For portrait see Collection in Library. Also Bull. U. S. Army M. Dep., 1945, **4**: 361.

MILLS, Stephen Dow, 1906– *Acute lymphatic leukemia in childhood [Minnesota] 68 l. illust. 28cm. Rochester, Minn., Mayo Found. M. Educ. & Res., 1934.

MILLS, Stephen Roy, 1887–1946.
For obituary see Mil. Surgeon, 1946, **99**: 263.

MILLS, Thomas Wesley, 1847–1915.
For biography see in Hist. Am. Physiol. Soc. (Howell, W. H.) Balt., 1938, 35, portr.

MILLS, Walter Sands, 1865–1935.
For obituary see J. Am. Inst. Homeop., 1934, **27**: 168 (Copeland, R. S.)

MILLS, Wesley, 1847–1915.
For obituary see Canad. M. Ass. J., 1915, **5**: 338–41.

MILLS, William Merrill, 1883–
For portrait see J. Kansas M. Soc., 1946, **47**: 165. Also Tr. West. Surg. Ass. (1947) 1948, **55**: 1.

MILLSPAUGH, Charles Frederick, 1854–1923.
For biography see in Dict. Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) N. Y., 1928, 846 (Barnhart, J. H.)

MILLSPAUGH, Joseph G., 1851–1927.
For obituary see J. Lancet, 1936, **56**: 65, portr. (Grassick, J.)

MILLUY, François, 1912– *Contribution à l'étude des fistules gastro-duodénales. 64p. illust. 24cm. Par., A. Legrand, 1941.

MILNE, Allan Hay, 1869–1918.
For obituary see Ann. Trop. M. Parasit., Liverp., 1920–21, **14**: 1, portr.

MILNE, Arthur John, 1879–1940.
For obituary see S. Afr. M. J., 1940, **14**: 412.

MILNE, Charles Irvine, 1884?–1937.
For obituary see Brit. M. J., 1937, **1**: 1233.

MILNE, Colin, 1743?–1815. A botanical dictionary; or, Elements of systematic and philosophical botany. 2. ed. [456]p. illust. pl. tab. 19cm. Lond., T. Lowndes, 1778.

—— Supplement, containing ample descriptions of several curious plants, chiefly Asiatic. [70]p. pl. 19cm. Lond., T. Lowndes, 1778.
Bound with his Botanical dictionary. 2. ed. 1778.

MILNE, John Andrews, 1900–
For biography see Mississippi Doctor, 1941–42, **19**: 418, portr.

MILNE, Lindsay Stephen, 1883–1944.
For obituary see J. Am. M. Ass., 1944, **126**: 910.

MILNE, Louis Archie, 1879–1943.
For obituary see J. Am. M. Ass., 1943, **122**: 250.

MILNE, Robert, 1881–1949.
For obituary see Brit. M. J., 1949, **2**: 879, portr. Also J. Bone Surg., 1949, **31B**: 620, portr. Also Lancet, Lond., 1949, **2**: 677, portr. Also J. R. Nav. M. Serv., 1950, **36**: 47.

MILNE, Robert Edward Alexander, 1900–48.
For obituary see N. York State J. M., 1948, **48**: 1408.

MILNE, William, 1839–82.
For biography see in Hist. Med. Profes. Co. Ontario (Kaiser, T. E.) Oshawa, 1934, 50.

MILNE-EDWARDS, Alphonse, 1835–1900.
For biography see Rev. hist. pharm., Par., 1936, **24**: 335. Also in Quelq. grand. fig. pharm. mil. (Blaessinger, E.) Par., 1948, 333.
For portrait see Collection in Library. Also Bios, Mount Vernon, 1943, **14**: 163.

MILNER, Esther, 1918– *Effects of sex role and social status on the early adolescent personality [Chicago] p.231–325. tab. 24½cm. Provincet., Mass., 1949.
In: Genet. Psychol. Monogr., 1949, **40**: No. 2.

MILNER, Marion Blackett, 1900–
See **Earle, F. M., & Milner, M.** The use of performance tests of intelligence in vocational guidance. 76p. 8° Lond., 1929.

MILO.

See **Sorghum.**

MILOCH, Francisco, 1906– *L'apicolyse avec plombage paraffiné dans le traitement de la tuberculose du sommet. 128p. 8° Par., L. Arnette, 1933.

MILOIKOWITCH, Alexandre N. *Le syndrôme angineux abdominal dans l'infarctus de la pointe du myocarde. 16p. 8° Genève, Impr. du commerce, 1927.

MILON, Robert, 1899– *Remarques sur l'histoire de l'insuffisance aortique. 54p. 24cm. Par., R. Foulon, 1944.

MILOSTNY, Karel, 1913–45.
For obituary see Cas. lék. česk., 1946, **85**: 780.

MILOUTINOVITCH, Grouya, 1912–
*L'ulcère simple du coeco-ascendant. 80p. pl. 24½cm. Marseille, Impr. Ant. Ged, 1937.

MILOVANOVIC, Milovan, 1884–1948.
For biography see in Internat. Who's Who World M., N. Y., 1947, 481.
For obituary see Srpski arh. celok. lek., 1948, **46**: 490.

MILOVANOVITCH, Jarko B., 1900–
*Contribution à l'étude clinique et thérapeutique médico-chirurgicale des gangrènes diabétiques des membres inférieurs. 310p. pl. ch. 8° Par., Presses univ. France, 1932.

MILOVIDOV, Petr Filippovich, 1896– La constitution chimique et physico-chimique du noyau cellulaire. 87p. illust. tab. 24cm. Praha, Nákladem Královské české společnosti nauk, 1936.

MILOVIDOV, S. I., & PREOBRAZHENSKY, Boris Sergeevič. Сборник научных работ по лечению огнестрельных повреждений уха, горла и носа. 76p. tab. 22cm. Moskva, Medgiz, 1944.

MILOVIDSKAJA, K. Лечебная помощь инвалидам Отечественной войны. 48p. illust. 14½cm. Moskva, Min. zdravookh. SSSR Inst. san. prosveshchenia, 1946.

MILOVZOROV, Alexandr Pavlovich, 1852–
For biography see in Aerzte Estlands (Brennsohn, I.) Riga, 1922, 277.

MILOWANSKY, Angel Christofer, 1899–
*Ueber essentielle Teleangiektasien. 15p. 8° Münch. E. Gach, 1930.

MILROY, John Alexander, 1871–1934.
For obituary see Brit. M. J., 1934, **2**: 614. Also Biochem. J., Lond., 1935, **29**: 983 (Hunter. A.)

MILROY, Thomas Macketchie, –1947.
For obituary see Manitoba M. Rev., 1947, **27**: 161.

MILROY, William Forsyth, 1855–1942.
See **Buck, R. W.** Milroy's disease; medical eponym. N. England J. M., 1942, **226**: 244.—**Milroy's** disease. California West M., 1943, **58**: 301.
For biography see in Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 217, portr.
For obituary see J. Am. M. Ass., 1942, **120**: 550. Also Tr. Am. Ther. Soc. (1943) 1944, **43**: 9 (Pottenger, F. M.)

MILROY disease.

See **Edema,** Meige-Milroy-Nonne type.

MILSOM, A. Administrative science for hospitals and institutions. 602p. tab. diagr. 25½cm. Lond., C. Knight & Co., 1939.

MILSON, Louis, 1898– *Investigations on the Dick reaction in scarlet fever [Marquette Univ.] 17p. 28cm. Milwaukee, n. p., 1926.
Typewritten.

MILSTEAD, Laurence Coleman, 1899–1947.
For obituary see Ann. Int. M., 1947, **27**: 1063 (Kline, W. D.)

MILSTEIN, Ilja. *Zur Pathogenese des Tremors [Basel] 15p. 8°. S. Louis, Edit. Alsatia, 1931.

MILT, Bernhard. *Einfluss der Sterilisation durch partielle Tubenresektion auf die Menstruation und das Geschlechtsleben [Zürich] p.639–60. 8°. Berl., J. Springer, 1928.
Also Zschr. ges. Neur. Psychiat., 1928, **112:**

MILTENBERGER, George Warner, 1819–1905.
For biography see in: Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2:** 174 (Cordell, E. F.) Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 795.
For portrait see Collection in Library.

MILTGEN, Edouard. *Le cerveau des criminels [Toulouse] 94p. illust. 24cm. Clermont-Ferrand, Impr. moderne, 1938.

MILTHALER, Wulfhild, 1910– *Die Uterus-Sarkome an der Universitäts-Frauenklinik Königsberg 1910–1932. 39p. 8°. Königsb. i. P., O. Kümmel, 1935.

MILTIADES, Joannides [M. D. 1937, Genève] *Tuberculose et logements à Genève. 24p. 22½cm. Genève, Impr. génévoise, 1937.

MILTON, Hazel Doris.
See **Habel, M. L., & Milton, H. D.** The graduate nurse in the home. 290p. 21cm. Phila., 1939.

MILTON, Herbert Meyrick Nelson, fl. 1889–1921.
For portrait see in Hist. Med. Educ. Egypt (Mahfouz, N.) Cairo, 1935, opp. p. 51.

MILTON, John, 1608–74.
Hanford, J. H. John Milton forswears physic. Bull. M. Libr. Ass., 1944, **32:** 23–34.—**[Lauder's** attack on John Milton's poetical character and moral candour] In: Sketches of Imposture, Phila., 1845, 158–65.—**Milton** et la pathologie. Chron. méd., 1925, **32:** 74–7.—**Milton's** blindness. Lancet, Lond., 1908, **2:** 1832.—**Rogers, L.** John Milton's blindness, a suggested diagnosis. Brit. M. J., 1936, **2:** 1275. Also J. Hist. M., N. Y., 1949, **4:** 468–71.—**Sorsby, A.** On the nature of Milton's blindness. Brit. J. Ophth., 1930, **14:** 339–54.—**Svendsen, K.** Milton and medical lore Bull. Hist. M., 1943, **13:** 158–84.—**Wilmer, W. H.** The blindness of Milton. Bull. Johns Hopkins Hosp., 1933, **52:** Suppl., 85–106.—**Wood, D. J.** The blindness of John Milton. S. Afr. M. J., 1935, **9:** 791–5.

MILTON, R.
See **Obermer, E., & Milton, R.** Individual health. v.1. 244p. 8°. Lond., 1935.

MILTON, Thomas Harlan, 1908–
For biography see Kentucky M. J., 1948, **46:** 351, portr.

MILWARD, Guilherme Bastos, 1878–1932.
See **Hermeto, S.,** jr. Guilherme Milward. Ann. paul. med. cir., S. Paulo, 1933, **26:** 419–23.—**Rego, L. F. de M.** A figura intellectual de Guilherme Milward. Ibid., **25:** 25–32.
For obituary see Ann. paul. med. cir., S. Paulo, 1933, **25:** 7–18, portr. (Nogueira, P., & Favero, F.) Also Rev. med., S. Paulo, 1941, **25:** No. 88, 66–70. (Ferreira, A. A.)

MILWARD, William Courtenay, 1872–1913.
For obituary see Brit. M. J., 1913, **1:** 916.

MILWAUKEE, Wis., Bureau of Economy and Efficiency. Bulletin. Milwaukee, No. 12, 1912–

CONTENTS

No. 12. Reorganization of the system of garbage collection. Goodell, R. E. 1912.
No. 13. Milk supply. Gunn, S. M. 1912.
No. 18. Communicable diseases. Gunn, S. M. 1912.

MILWAUKEE, Wis. Common Council. Annual report. Compiled and edited by the Municipal Reference Library. Milwaukee, 1921–

MILWAUKEE, Wis. Department of School Hygiene. Annual report. Milwaukee, 1916/17–

MILWAUKEE, Wis. Health Department. Annual report of the Commissioner of Health. 14.–39., 1890/91–1915. 22v. 8°. Milwaukee, 1891–[1916?]
Incomplete.

—— Bulletin. Milwaukee, 1917–

—— The Milwaukee Health Department. 56p. 23cm. Milwaukee, 1940.

MILWAUKEE, Wis. Lee Foundation for Nutritional Research.
See under **Lee (The) Foundation** for Nutritional Research.

MILWAUKEE, Wis. Public Library. Annual reports. Milwaukee, 3., 1880–

MILWAUKEE, Wis. Public Museum of the City of Milwaukee. Bulletin.
See **Dickinson, W. E.** The mosquitoes of Wisconsin. p.269–365. 26½cm. Milwaukee, 1944.—**Fisher, A. K., Kuhm, H. W., & Adami, G. C.** The dental pathology of the prehistoric Indians of Wisconsin. p.331–74. 8°. Milwaukee, 1931.—**Smith, H. H.** Ethnobotany of the Meskwaki Indians. p.177–326. 8°. Milwaukee, 1928. —— Ethnobotany of the Ojibwe Indians. p.329–524. 8°. Milwaukee, 1932. —— Ethnobotany of the forest Potawatomi Indians. 230p. 8°. Milwaukee, 1933.

MILWAUKEE, Wisconsin.

See also **United States.**

Anibaldi, N. El Centro de rehabilitación de Milwaukee, the Curative Workshop of Milwaukee, Wisconsin, U. S. A. Kinesiología, B. Air., 1948, **10:** 53–8.—**Baer, C. A.** Early medical history of Milwaukee. Milwaukee M. Times, 1941, **14:** No. 7, 14–7.—**Banzhaf, H. L.** Marquette University Department of Dentistry; formerly Milwaukee Medical College Dental Department. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1:** 580–6.—**Effect** of the war on clinic visits. J. Am. M. Ass., 1942, **119:** 505.—**Evans, C. A.** Milwaukee medical societies; an eighty-five year retrospect. Wisconsin M. J., 1923–24, **22:** 247–54.—**Fischer, P. M.** The development of the German hospital. Hosp. Progr., 1926, **7:** 87–91. —— The German hospital of modern times. Ibid., 131–5.—**Hospitals** and institutions in Milwaukee. Ibid., 1939, **20:** 152–63.—**Krumbiegel, E. R.** Milwaukee's health in 1941. Bull. Milwaukee Health Dep., 1941, 3–18.—**Markson, J.** Marquette clinics. Marquette M. Rev., 1940–41, **5:** 157.—**Milwaukee** Hospital typifies ideal of community service, cradled in Christian spirit; its 80 years marked by adherence to first principles. Hosp. Management, 1942, **54:** No. 6, 13–5.—**Tallmadge, G. K.** Confutations. Milwaukee M. Times, 1940, **13:** No. 2, 23; 45. —— Medical education in Milwaukee, 1848–93. Wisconsin M. J., 1937, **36:** 303–16.

[MILWAUKEE County] Medical Society of Milwaukee County. A directory of members. Milwaukee, No. 1, 1945–

—— Annual report. Milwaukee, 1946–
See also **Jermain, W. M.** Crumbs from the dinner table. Milwaukee M. Times, 1940, **13:** No. 2, 17.

MILWAUKEE County Dental Society. Bulletin. Milwaukee, **v.9,** 1943–

MILWAUKEE (The) Medical Times. Milwaukee, **v.13,** 1940–

MILWIDSKY, Heinz, 1911– *Ueber die Kreislauffunktion blasser Kinder. 24p. 21cm. Berl., B. Levy, 1936.

MILZ, Ulysse, 1871–1950.
For obituary see Ann. pharm. belg., 1950, **1:** 54–65, portr.

MIMA, Kiyosi. Syokubutu-sei sinkei-keitō no chronaxie ni kan-suru zikken-teki kenkyū; tyōkan ni kan-suru kenkyū. p.33–136. tab. diagr. ch. 24½cm. Kyōto, 1942.
In: Mitt. Med. Akad. Kioto, 1942, **34:**

MIMA.

See **Mimeae.**

MIMBELA, Pablo S., 1870–1940. Programa razonada para la cátedra de medicina operatoria. xxv, 102p. 21½cm. Barcel., A. López Robert, 1909.
For biography see in Bibl. cent. med. Peru (Valdizan, H., & Bambaren, C. A.) Lima, 1921, **2:** 333. Also An. Fac. med. Lima, 1925, Spec. No., 62.
For obituary see Bull. Off. internat. hyg. pub., Par., 1940, **32:** 737–9, portr. Also Rev. méd. peru., 1940, **12:** 343–5.

MIMEAE.

Deacon, W. E. A note on the tribe Mimeae (De Bord) J. Bact., 1945, **49:** 511.—**De Bord, G. G.** Description of Mimeae trib. nov. with three genera and three species and two new species of Neisserla from conjunctivitis and vaginitis. J. Sc. Iowa Coll., 1941–42, **16:** 471–80. —— Mima polymorpha in meningitis. J. Bact., Balt., 1948, **55:** 764.—**Faust, J., & Hood, M.** Fulminating septicemia caused by Mima polymorpha; report of case. Am. J. Clin. Path., 1949, **19:** 1143–5.

MIMESIS.

See under **Hysteria.**

MIMET, Paul Robert, 1913– *Physiopathologie du choc traumatique; recherche de bases cliniques et anatomiques; applications thérapeutiques, rachianesthésie, morphine intraveineuse, infiltration sinu-carotidienne [Bordeaux] 366p. 24cm. Niort, Impr. S.-Denis, 1942.

MIMETISM.

See **Mimicry.**

MIMIC action.

See also next heading; also **Gesture.**

DUMAS, G. Les mimiques. p.293–360. 24½cm. Par., 1933.
In: Nouv. tr. psychol., Par., 1933, **3:**

FLACH, A. Die Psychologie der Ausdrucksbewegung. 100p. 23cm. Wien, 1928.
Also in Arch. ges. Psychol., 1928, **65:** 435–534.

Jaspers, K. Ausdruck der Seele in Leib und Bewegungen, Ausdruckspsychologie. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 214–30. ——— Mimik. Ibid., 226–9.—**Papillault, G.** Sur la mimique et son symbolisme instinctif; caractère ergastique et caractère hédoniste. Actes Inst. internat. anthrop. (1927) 1928, 3. Congr., 619–25.—**Parenti, A.** Le alterazioni della mimica e la loro base anatomica. Policlinico, 1924, **31:** sez. prat., 1647–50.—**Surkov, A.** Mimika. In: Bolsh. med. encikl., 1931, **18:** 362–4.—**Thomas, A., & Ajuriaguerra, J. de.** Tonus d'expression. In their Et. sémiol. tonus musc., Par., 1949, 102–15.—**Trenga, V.** Esquisse d'une étude du langage et de la mimique populaires, dans leurs rapports avec la biologie, la physiologie et la médecine. Praticien N. Afrique, 1931, **4:** 50; passim.—**Vallejo Nágera, A.** Psicoantropología mímica de Claus. In his Biotipología, Barcel., 1947, 153.

—— Psychopathology.

Dumas, G. La mimique vocale. Ann. méd. psychol., Par., 1932, **90:** pt 2, 129–56.—**Ferraris, M.** Il fenomeno bulbomimico (segno di Modonesi- De Lisi) nei processi infiammatori e tumorali dell'encefalo e delle meningi. Riv. neur., Bologna, 1948, **18:** 684–93.—**Frankl, V. E.** Zur mimischen Bejahung und Verneinung. Internat. Zschr. Psychoanal., 1924, **10:** 437.—**Knauer, A.** Ueber den Einfluss von Ausdrucksbewegungen auf das elektrolytische Potential und die Leitfähigkeit der menschlichen Haut. Klin. psych. nerv. Krankh., 1908, **3:** 1–19.—**Kosawa, H.** Magische Mimik bei einer Zwangsneurose. Beitr. Psychoanal., Sendai, 1933, **2:** 21–32.—**Rosenfeld, M.** Ueber die Störungen der Ausdrucksbewegungen. Münch. med. Wschr., 1909, **56:** 835–7.—**Suger, N.** Zur Frage der mimischen Bejahung und Verneinung. Schweiz. Zschr. Psychol., 1945, **4:** 51–5.

MIMICRY.

See also **Imitation;** also **Adaptation; Environment;** also in the Military Section **Camouflage.**

BENSON, S. B. Concealing coloration among some desert rodents of the Southwestern United States. 69p. 26cm. Berkeley, 1933.
Forms No. 1, v.40, Pub. Zool. Univ. California.

PARKER, G. H. Color changes of animals in relation to nervous activity. 74p. 8° Phila., 1936.

Beljajeff, M. M. Ein Experiment über die Bedeutung der Schutzfärbung. Biol. Zbl., 1927, **47:** 107–13.—**Brüel, L.** Ueber Begriff und Erklärung der Mimikry. Ibid., 1932, **52:** 13–42.—**Bugnion, E.** Observation relative à un cas de miméthisme. Bull. Soc. vaud. sc. nat., 1903, **39:** 385–8, pl.—**Carpenter, G. D. H.** Mimetic polymorphism. Nature, Lond., 1946, **158:** 277–9. ——— Mimicry, and ecogenotypical variation. Am. Natur., 1948, **82:** 234–40.—**Carter, G. S.** Mimicry, protective resemblance and animal behaviour. Science Progr., Lond., 1946, **34:** 547–51.—**Chapman, E. J.** On mimetism in inorganic nature. Proc. R. Soc. Canada (1884) 1885, **2:** Sect. 4, 161.—**Czepa, A.** Schutzfärbung und Mimikry. Naturwiss. Wschr., 1914, **13:** 49; 65; 81.—**Dixey, F. A.** Recent developments in the theory of mimicry. Nature, Lond., 1907, **76:** 673–8. Also Rep. Brit. Ass. Advance. Sc., 1907, 736. ——— The geographical relations of mimicry. Ibid., (1913) 1914, 518.—**Dogel, V.** Mimikria. In: Bolsh. med. encikl., 1931, **18:** 364–6.—**Drilhon, A.** Mimétisme et homochromie. Atomes, Par., 1946–47, 233–8.—**Giersberg.** Neuere Untersuchungen zur Physiologie des Farbwechsels. Jahrber. Schles. Ges. vaterl. Cult., (1933) 1934, **106:** 110–14.—**Goldschmidt, R. B.** Mimetic polymorphism, a controversial chapter of Darwinism. Q. Rev. Biol., 1945, **20:** 147; passim.—**Hartman, H.** The basis of modern camouflage. Biol. Colloq., Corvallis (1943–44) 1945, 8–10.—**Heikertinger, F.** Welchen Quellen entspringen die biologischen Trachthypothesen? Zool. Anz., 1926–27, **69:** 225–48. ——— Ueber transformative Schutzfärbung und ihre wissenschaftliche Begründung. Biol. Zbl., 1930, **50:** 193–219. ——— Ist das Mimikryproblem eine vergleichend-morphologische oder eine ökologische Frage? Zool. Anz., 1937, **119:** 11–6.—**Joleaud, A.** Sur le prétendu mimétisme des balanes. C. rend. Soc. biol., 1910, **69:** 101.—**Joliet, L.** Un exemple de mimétisme, Pontonia diazona (sp. nov.) Arch. zool. exp., Par., 1882, **10:** 118–20.—**Lienhart, R.** Homochromie mimétique du Cottus gobio L. Rec. jubilé sc. Prof. Le Monnier, Nancy, 1913, 125–30.—**McAtee, W. L.** Text-book facts on protective coloration. Am. Natur., 1935, **69:** 374–8.—**Peter, K.** Ueber die Bedeutung der Schutztracht. Biol. Zbl., 1930, **50:** 19–25.—**Picado, C.** Documents sur le mimétisme recueillis en Costa-Rica. Bull. sc. France, 1910, **44:** 89–103, pl.—**Poljakov, I. M.** [Darwinism and the problem of mimicry] Usp. sovrem. biol., 1939, **11:** 288–319.—**Poulton, E. B.** Mimicry. Rep. Brit. Ass. Advance. Sc. (1913) 1914, 518.—**Prochnow, O.** Sichtschutztracht oder Wärmeschutztracht? Biol. Zbl., 1927, **47:** 662–70.—**Shull, A. F.** The needs of the mimicry theory. Science, 1937, **85:** 496–8.—**Spivey, T. S.** Presuggested forms. In his Resurrection, Beverly Hills, 1925, 190–203.—**Steiniger, F.** Beobachtungen und Bemerkungen zur Mimikryfrage. Biol. Zbl., 1937, **57:** 47–58. ——— Die genetische, tierpsychologische und ökologische Seite der Mimikry. Zschr. angew. Entom., 1938–39, **25:** 461–71. ——— Eine Kritik an der exakten Mimikryforschung Heikertingers. Ibid., 1942, **29:** 329–65.—**Study, E.** Vorweisung einiger weniger bekannter Beispiele von Mimikry, etc. Handel. Ned. natuur geneesk. congr., 1923, 19. Congr., 143.—**Ubisch, L. v.** Experimentelle Untersuchungen über Mimikry. Forsch. & Fortsch., 1934, **10:** 72.—**Vogel, H. H.,** jr, **Scott, J. P.,** & **Marston, M. V.** Social facilitation and allelomimetic behavior in dogs. Behaviour, Leiden, 1949–50, **2:** 121–43.—**Werner, F.** Das Ende der Mimikryhypothese. Biol. Zbl., 1907, **28:** 174–85. ——— Nochmals Mimikry und Schutzfärbung. Ibid., 1908, **28:** 567; 588.—**Williams, C. B.** Birds and butterflies. Nature, Lond., 1943, **151:** 173.—**Züllich, R.** Betrachtungen zum sogenannten Mimikryproblem. Biol. gen., Wien, 1934, **10:** 167–78.—**Zugmayer, E.** Ueber Mimikry und verwandte Erscheinungen. Zschr. wiss. Zool., 1908, **90:** 313–26.

—— Amphibia.

HERBST, C., & ASCHER, F. Beiträge zur Entwicklungsphysiologie der Färbung und Zeichnung der Tiere; der Einfluss der Beleuchtung von unten auf das Farbkleid des Feuersalamanders. p.1–59. 8° Berl., 1927.
Arch. Entwmech., 1927, **112:**

PAULI, W. F. Versuche über den physiologischen Farbenwechsel der Salamanderlarve und der Pfrille. p.421–508. 23cm. Lpz., 1926.
Zschr. wiss. Zool., 1926, **128:**

Anashkin, N. M. [Über die Anpassungsfärbung der Amphibien] J. Physiol. USSR, 1934, **17:** 74–80.—**Carlton, F. C.** The color changes in the skin of the so-called florida chameleon, Anolis Carolinensis Cuv. Proc. Am. Acad. Art. Sc., 1903–04, **39:** 259–76. pl.—**Herbst, C.** Beiträge zur Entwicklungsphysiologie der Färbung und Zeichnung der Tiere; kritische Bemerkungen zu der Arbeit von MacBride Influence of the colour of the background on the colour of the skin of Salamandra maculosa. Arch. Entwmech., 1927, **112:** 59.—**Hubbard, M. E.** Correlated protective devices in some California salamanders. Univ. California Pub. Zool., 1903, **1:** No. 4, 157–70, pl.—**Rheinhold, B.** Versuche über den Farbwechsel der Frösche. Umschau, 1925, **29:** 48.

—— Fish.

Carpenter, G. D. H., & **Trewavas, E.** Mimicry in fishes. Nature, Lond., 1947, **160:** 508.—**Danielson, R. N.** The melanophore responses of fishes in relation to contrast in the visual field. Physiol. Zool., 1941, **14:** 96–102.—**Probable** (A) case of mimicry in fish. Lancet, Lond., 1908, **2:** 1315.—**Sumner, F. B.** Does protective coloration protect? Results of some experiments with fishes and birds. Proc. U. S. Nat. Acad. Sc., 1934, **20:** 559–64.—**Trewavas, E.** An example of mimicry in fishes. Nature, Lond., 1947, **160:** 120.—**Ward, F.** Markings and colors in fish; how they protect their wearers. Sc. Am. Suppl., 1908, **66:** 297.

—— Insects.

POCOCK, R. I., & POULTON, E. B. On the palatability of some British insects, with notes on the significance of mimetic resemblances. p.809–68. 8° Lond., 1911.
Proc. Zool. Soc. London, 1911, pt 3.

Dixey, F. A. Le mimétisme chez certains papillons. Rev. gén. sc. pur., 1920, **31:** 18–22.—**Hase, A.** Weitere Beobachtungen über die Maskierung bei parasitären Wanzen (Cimicidae und Triatomidae) Zschr. Parasitenk., 1941–42, **12:** 388–403.—**Heikertinger, F.** Ueber den Fühler von Mimeciton und seine Anpassung. Zool. Anz., 1926, **68:** 17–24. ——— Kritik der

Schmetterlingsmimikry; die Mimikrytypen der afrikanischen Papilioniden und ihr Verhältnis zu den nichtmimetischen Verwandten. Biol. Zbl., 1934, **54**: 365–89. ——— Die Mimikrytypen der afrikanischen Nymphaliden und ihr Verhältnis zu den nichtmimetischen Verwandten. Ibid., 1935, **55**: 461–83. ——— Die Mimikrymodelle der Tagfalter Afrikas und ihr Ekelgeschmack. Ibid., 1936, **56**: 151–66.—**Heller, M.** Zur Kenntnis der Schutzfärbung bei Insekten. Zool. Anz., 1928, **78**: 13–21.—**Hovanitz, W.** Geographical regularity in the variation and supposed mimicry of a butterfly, Limenitis bredowii. Am. Natur., 1945, **79**: 472–4.—**Koller, G.** Ueber den Farbwechsel von Coregonenlarven. Biol. Zbl., 1934, **54**: 419–36.—**Poulton, E. B.** Mimicry between the genera of certain African Nymphaline butterflies. Rep. Brit. Ass. Advance. Sc. (1913) 1914, 519. ——— Ants as models for mimicry. Zool. Anz., 1929, **82**: 79–86.—**Punnett, R. C.** Mimicry in butterflies. J. Hered., 1916, **7**: 463–8.—**Rammner, W.** Der Farbwechsel des Schildkäfers Cassida murraea L. Zool. Anz., 1932, **100**: 155–60.—**Shelford, R.** Mimicry amongst the Blattidae; with a revision of the genus Prosoplecta Sauss., and the description of a new genus. Proc. Zool. Soc. London, 1912, pt 2, 358–76, pl.—**Skinner, H.** Mimicry in butterflies. Proc. Acad. Nat. Sc. Philadelphia, 1912, **64**: pt 1, 141.—**Steiniger, F.** Schutzstellung und akinetische Erscheinungen bei einigen Spinnen; ein Beitrag zur Kenntnis visueller Anpassungserscheinungen. Zschr. wiss. Zool., 1934, **145**: 541–75.—**Vignon, P.** Sur le mimétisme des sauterelles ptérochrozées. C. rend. Acad. sc., 1923, **176**: 1348–50.—**Wasmann, E.** Zur Streitfrage der Ameisenmimikry. Zool. Anz., 1926, **68**: 273–82.

—— Plants.

Beal, W. J. Plants that hide from animals. Pop. Sc. Month., 1905, **67**: 178–83.—**Kempton, J. H.** Protective coloration in seeds of Bolivian maize. J. Hered., 1917, **8**: 200–2.—**Kozo-Poliansky, B. M.** [Mimicry in plants; Delphinium-Elatopsis mimicry] Priroda, 1938, **27**: No. 4, 54–67.

MIMIN, Jacques, 1902– *Les rétinites azotémiques des diabétiques. 91p. 8° Par., A. Legrand, 1928.

MIMMS, Carney Wilson, 1890–1947.
For obituary see J. Florida M. Ass., 1947–48, **34**: 416.

MIMOBDELLA.

Oka, A. Sur les deux genres Mimobdella Blanchard et Odontobdella nov. gen. Annot. zool. jap., 1922–23, **10**: 243–52.

MIMOSA.

See also **Leguminosae.**

Bose, J. C., & Das, S. C. Physiological investigations with petiole-pulvinus preparations of Mimosa pudica. Proc. R. Soc., Lond., 1916, **89**: ser. B., 213–31.—**Burr, H. S.** An electrometric study of mimosa. Yale J. Biol., 1942–43, **15**: 823–9.—**Das, S. C., & Palit, B. K.** Modification of vital activity after inflorescence in Mimosa pudica. Tr. Bose Res. Inst. Calcutta (1933–34) 1935, **9**: 8–34.—**Grebennikova, M. N., Sorokina, V. I., & Turova, A. D.** [The pharmacology of mimosa] Farm. & toks., Moskva, 1943, **6**: No. 4, 40.—**Hesse, G.** Ueber die Natur der Erregungssubstanz von Mimosa pudica L. Biochem. Zschr., 1939–40, **303**: 152–63.—**Isimoda, H., & Mori, K.** Studies on Mimosa pudica from the standpoint of Reizphysiologie. Proc. Jap. Physiol. Soc., 1932, 11: 252.—**Lisanta, A.** La narcosi della Mimosa pudica. Farm. ital., 1939, **7**: 481.—**Luz, H.** Mimosa sepiaria Bentham. Tribuna farm., Curitiba, 1947, **15**: 121.—**Mollan, T. R. M.** A cera do ceroplastes grandis da Mimosa acutifolia. An. Ass. quím. Brasil, 1943, **2**: 75.—**Soltys, A., & Umrath, K.** Ueber die Erregungssubstanz der Mimosoideen. Biochem. Zschr., 1936, **284**: 247–55.—**Stephen, A. M.** The chemical constitution of wattle (mimosa) tannin. J. Chem. Soc., Lond., 1949, 3082–5.

MIMOSACEAE.

See also **Leguminosae; Mimosa.**

Guichard, F. Une mimosée toxique du Laos. Bull. Soc. méd. chir., Hanoï, 1937, **15**: 1088–90.—**Mascré, M., & Ottenwaelder, A.** Recherches sur le Leucaens glauca Benth (mimosées) Bull. sc. pharm., Par., 1941, **48**: 65–70.—**Munesada, T.** Gōkan-hi no seiyakugaku-teki kenkyū [Ueber die pharmakognostischen Untersuchung der Rinde von Albizzia Julibrissiu Duraz. und einiger Holzinden von Leguminosaen-Pflanzen] Yakugaku zassi, 1932, **52**: 183–91, incl. 2 pl.

MIMOUN, Gilbert, 1913– *Les résultats éloignés de la neurotomie rétrogassérienne par voie temporale, statistique de . . . Wertheimer [Lyon] 100p. 24½cm. Bourg, Berthod, 1937.

MIMUJIN, Abraham.
See **Palacios Costa, N., & Mimujín, A.** Mortalidad fetoinfantil perinatal. p.53–152. 22½cm. B. Air., 1944.

MIMURA, Dōeki, 1700–61.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6**: 112.

MIN, Tjen Tjauw. *Vitamine K en haemorrhagische diathesen. 186p. tab. ch. 24cm. Utrecht, Schotanus & Jens, 1941.

MINAGAWA, Kinsi, –1940.
For obituary see Okayama igakkai zassi, 1940, **52**: 1002.

MINAGUTI, Tetuzō. Maus ni tai-suru saikinetu Spirochaeta kansen yōyaku narabi-ni nōnai eizonsei ni tuite. p.1347–96. tab. 26cm. Kyōto, 1935.
In: Jap. Zschr. Mikrob., 1935, **29**:

MINAHAN, Patrick Robert, 1875–1953.
For portrait see Wisconsin M. J., 1943, **42**: 827; 1945, **44**: 1088.

MINAHASA.

Kutuna, M., Sakai, K., & Sigematu, I. Minahasa-zin no seitai-zinruigaku-teki kenkyū [Somatologische Untersuchungen an den Minahassern, Celebes] Taiwan igakkai zassi, 1944, **43**: 124–35.

MINAKOV, Petr Andreevich, 1865–
For biography see in Bolsh. med. encikl., 1931, **18**: 366–8, portr.

MINALE, Salvatore. I vermi intestinali dell'uomo. 143p. 8° Nap., P. Federico & G. Ardia, 1936.

MINAMI, Daisō, 1878–1945.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1942, **7**: 506. Also Jap. M. J. (w.) 1948, 739 (Kuwano, S.)

MINAMI, Syōgo, 1893–
For biography see in Sinsen dai zinmei ziten, Tokyo, 1942, **7**: 506.

MINANA HERNANDEZ, José.
See **Rodríguez Partearroyo, F., Gómez Pallete y Mesquita, F., & Miñana Hernández, J.** Patología de la región hiliar del pulmón. 163p. 24½cm. Madr., 1936.

MINARD, David, 1913– *Studies on the concentration and liberation of histamine in tissues. 40p. 24cm. Chic., Univ. Chicago Libr., 1939.

MINAS Gerais, Brazil. Associação médica de Minas Gerais. Revista. Belo Horizonte, v.**1**, 1949–

MINAS Gerais, Brazil. Diretoria de saúde pública.
See **Arquivos** de saúde pública. Belo Horizonte.

MINAS Gerais, Brazil. Diretoria de saúde pública. Centro de saúde de Teófilo Otoni. Boletim. Teófilo Otoni, v.**1**, 1938–

MINAS Gerais, Brazil. Escola superior de veterinária. Arquivos. Belo Horiz., v.**1**, 1943–

MINAS Gerais, Brazil. Instituto químico-biológico do estado de Minas Gerais. Arquivos. Belo Horiz., v.**1**, 1945–

MINAS Gerais, Brazil. Sociedade mineira de leprologia.
Publisher of **Arquivos** mineiros de leprologia. Belo Horiz., ano 3, 1943–

MINAS Gerais, Brazil. Universidade de Minas Gerais. Revista. Belo Horiz., v.**1–2**, 1929–1932/33.

MINAS Gerais, Brazil. Universidade de Minas Gerais. Faculdade de medicina. Annaes. Belo Horiz., ano 2, v.**1**, 1930–

MINAS Gerais, Brazil. Universidade de Minas Gerais. Faculdade de odontologia e pharmacia. Anais. Belo Horiz., v.**1**, 1936–
Viana, E. M. Relatorio da Biblioteca. An. Fac. odont. Univ. Minas Gerais, 1940, **5**: 129.

MINAS Gerais, Brazil.

Agricola, E. Centros de saúde e postos de hygiene no Estado de Minas Geraes. Ann. Congr. brasil. hyg., 1929, 5. Congr., **2**: 19–33, 6 ch. Also Arch. hyg., Rio, 1930, **4**: No. 2, 97–111, 5 ch.—**Carone, I.** Os climas do Estado de Minas; zona de Matta. Rev. brasil. tuberc., 1935–36, **5**: 269–86.—**Giovine, N.** Estudo clínico da deficiência de fósforo nos bovinos de Minas Gerais. Arq. Esc. sup. vet. Minas Gerais, 1943, **1**: 17–25, 4 pl. ——— **Rangel, N.** [et al.] Necrobacilose; súmula nosológica; a necrobacilose em Minas Gerais, Brasil. Ibid., 35–65, 14 pl.—**Hipólito, O., & Freitas, M. G.** Observações sôbre

alguns acarinos parasitos de Gallus gallus domesticus, em Minas. Ibid., 81, 5 pl.—**Hipólito, O., Sousa, R. de, & Giovine, N.** Brucelose e sôro; aglutinação em Minas Gerais. Ibid., 31–4.—**Morais, R. G. de, & Freitas, M. G. de.** Sarna psoróptica em bovinos de Minas Gerais, Brasil. Ibid., 75–80, 4 pl.—**Novis, A.** A saúde pública en Minas Gerais. Bol. Of. san. panamer., 1934, **13:** 976–83.—**Pelegrini, B.** Uma excursão científica a Poços de Caldas; impressões transmitidas ao Estado de Minas. Medicamenta, Rio, 1934, **13:** 31–3.—**Rangel, N. M., & Machado, A. V.** Contribuição a oncologia comparada em Minas Gerais. Arq. Esc. sup. vet. Minas Gerais, 1943, **1:** 83–96.—**Rhoad, A. O.** Land uses and trends in central Minas Gerais. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., **5:** 113–7.—**Rosenburg, C.** As estancias minerais do sul de Minas Gerais; suas necessidades, suas riquezas. Fol. med., Rio, 1940, **21:** 331–5.—**Silva Campos, M. A. da.** A saúde pública no Estado de Minas Geraes. Bol. Of. san. panamer., 1937, **16:** 214–9.—**Vianna, J. B.** Bocio endemico em Minas Geraes. Ann. Fac. med. Univ. Minas Geraes, 1931, **3:** 53–79.—**Viégas, A. P.** Incidencia de bocio em Minas; análise de 252 casos. Brasil med., 1946, **60:** 359–61.—**Wilwerth, A. M.** Nota prévia sôbre o teor fósforo e cálcio no sangue de eqüinos de Minas Gerais, Brasil. Arq. Esc. sup. vet. Minas Gerais, 1943, **1:** 27–9.

MINASIAN, Caro Owen. *Contribution à l'étude des anomalies réno-urétérales. 61p. pl. 8° Lausanne, Impr. La Concorde, 1929.

MINATI, Carlo, 1824–99. Di Cosimo Palamidessi e degli studi in Italia. 21p. 21½cm. Pisa, Tipogr. Nistri, 1870.

—— Sui bagni di Casciana. 14p. 21½cm. Milano, Frat. Rechiedei, 1888.

For obituary see Atti Soc. ital. ostet., 1899, **6:** p. xlvii–lvi, portr. (Pinzani, E.)

MINATO, Tyōan, –1838.

For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 66.

MINATTA, R.

In: Bol. Soc. cir. Uruguay, 1947, **18:** Also Arch. urug. med., 1949, **34:** 558–630.

MINAUD, René Jean Marie, 1903– *La morphée en gouttes. 68p. 8° Par., L. Arnette, 1928.

MINC, Théodore, 1905– *Contribution à l'étude de l'épreuve de galactosurie provoquée dans les cirrhoses. 50p. 8° Par., L. Rodstein, 1935.

MINCER.

See also **Laboratory,** Instruments.

Craigie, J. A pressure mincer for the preparation of tumour suspensions. Brit. J. Cancer, 1949, **3:** 249, pl.

MINCH, Grigory Nikolaevich, 1836–96.

For biography see Feldsher & akush., 1949, No. 8, 35–8, portr. Also Lek. pregl., Sofia, 1949, No. 6, 222–31. Also Vest. vener., 1949, No. 3, 46–8.

MINCHEW, Benjamin Harvey, 1882–

For biography see J. M. Ass. Georgia, 1937, **26:** 571 (Roberts, C. W.)

For portrait see J. M. Ass. Georgia, 1943, **32:** 121; 1946, **35:** 71; 1948, **37:** 96; 1950, **39:** 118.

MINCHIN, Humphrey, 1816–1900.

For biography see in Hist. R. Coll. Surgeons Ireland (Cameron, C. A.) Dubl., 1886, 491.

MINCK, Walter Gerhard Erich, 1905– *Therapogen als milchtreibendes Mittel. 47p. 8° Lpz., A. Edelmann, 1937.

MINCKLER, Jeff, 1912– The nervous system. p.1350–418. illust. diagr. 25½cm. S. Louis, 1948.

In: Pathology (Anderson, W. A. D.) S. Louis, 1948.

MIND. Lond., v.1, 1876–

See also **Sorley, W. R.** Fifty years of Mind. Mind, Lond., 1926, **35:** 409–18.

MIND; by John Fiske [et al.] xii, 185p. portr. 15½cm. N. Y., Doubleday, Page & Co., 1902.

At head of title: Little masterpieces of science.

MIND.

See also **Mind and body.**

Belart, W. Der Geist, Privileg des Menschen? Schweiz. med. Wschr., 1943, **73:** 1359.—**Blair-Bell, W.** Brains. Liverpool Med. Chir. J., 1932, **40:** 1–16.—**Bode, B. H.** The nature of the psychical. J. Philos., Lanc., 1917, **14:** 288–94.—**Govindaswamy, M. V.** The human mind. Antiseptic, Madras, 1947, **44:** 718–29.—**Körner, T.** Zur Frage der Differenzierung der psychologischen und etymologischen Grundlage der sogenannten Seelen-Begriffe im Austronesischen. Zschr. Ethnol., 1937–38, **69:** 23–7.—**Lilienstein.** Was ist die Seele? Umschau, 1927, **31:** 345–7.—**Meerloo, A. M.** [The soul in biology] Geneesk. gids, 1933, **11:** 165–72.—**Montague, W. P.** Mind the reciprocal of motion. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 414.—**Myers, C. S.** On the nature of mind. Rep. Brit. Ass. Advance. Sc., 1931, **100:** 181–95.—**Rivers, W. H. R.** The concept of soul-substance in New Guinea and Melanesia. Folk-Lore, Lond., 1920, **31:** 48–69.—**Samberger, F.** [The human soul] Cesk. derm., 1941, **20:** 63–79.—**Stephen, K.** The misuse of mind. Psyche, Lond., 1921–22, n. ser., **2:** 127–37.—**White, W. A.** Mind; man's most distinctive organ. Ment. Hyg., Alb., 1929, **13:** 462–72. Also Proc. Interst. Postgrad. M. Ass. N. America (1928) 1929, 239–44.

—— Abnormity, and disability.

See also **Mental deficiency.**

Disorders of the mind. J. Med., Cincin., 1937–38, **18:** 217–21.—**Gruenberger, F.** The basic discrepancy of the human mind. Individ. Psychol. Bull., 1947, **6:** 177–84.—**Jacobson, J. R., & Pratt, H. G.** Psychobiologic dysfunction in children. J. Nerv. Ment. Dis., 1949, **109:** 330–46.—**Juda, A.** The relationship between highest mental capacity and psychic abnormalities. Am. J. Psychiat., 1949–50, **106:** 296–307.—**Mackenzie, M.** Mental maladjustments. In his Human Mind, Phila., 1941, 128–33.—**Meyer, A.** The problems of mental reaction-types, mental causes and diseases. Psychol. Bull., 1908, **5:** 245–61.—**Németh, O.** A középiskolai tanulóknál észlelhető psychikai rendellenességekről. Közegészs. törvénysz. orvostud. szemle, 1914, 13–6.—**Porter, G. C.** Hampers of the human mind. Nat. Eclect. M. Ass. Q., 1942–43, **34:** No. 4, 28–32.—**Richardson, H.** Arrested mental development. Med. Rec., N. Y., 1907, **71:** 604.—**Rosenzweig, S., & Kogan, K. L.** Measures of intellectual deviation. In their Psychodiagnosis, N. Y., 1949, 45–74.—**Solomon, M.** The struggle for equilibrium. J. Abnorm. Psychol., 1934, **29:** 334–48.

—— Activity.

See also other subheadings.

Barmack, J. E. *Boredom and other factors in the physiology of mental effort: an exploratory study [Columbia University] 83p. 8° N. Y., 1937.

Forms No. 218, Arch. Psychol., July, 1937.

Berne, E. L. The mind in action. 320p. 21cm. N. Y., 1947.

Maeder, A. [Die Richtung im Seelenleben] Hur själen läker sig själv. 151p. 22cm. Stockh., 1943.

Dodge, R. The conditions of effective human action. Psychol. Bull., 1918, **15:** 137–47.—**Gerver, G. V.** [Higher brain activity in the light of dialectic materialism] J. nevropat. psikhiat., Moskva, 1931, **24:** No. 5, 42–50.—**Herrington, L. P.** The relation of physiological and social indices of activity level. In: Stud. in Person. (Terman Anniv. Vol.) N. Y., 1942, 125–46.—**Hillebrand, M. J.** Die Aktivität der Seele in ihrer anthropologischen und pädagogischen Bedeutung. Zschr. pädag. Psychol., 1935, **36:** 15; 49.

—— Affective life.

See also **Emotion; Mind and body.**

Austregésilo, A. Afeto e inteligéncia. p.7–85. 22cm. Rio, 1949.

In his Obras compl., Rio, 1949, **10:**

Despert, J. L., & Pierce, H. O. The relation of emotional adjustment to intellectual function. p.3–56. 25cm. Provincet., 1946.

In: Genet. Psychol. Monogr., 1946, **34:**

Pagès, L. Affectivité et intelligence; étude psychopathologique. 207p. 22½cm. Par., 1926.

Sartre, J. P. The emotions, outline of a theory. 97p. 22cm. N. Y., 1948.

Aubin, H. Sartre, J. P.: Esquisse d'une théorie des émotions [Bk rev.] Evolut. psychiat., Par., 1949, 447–9.—**Brown, W.** Theories of emotion. In his Psychol. & Psychother., 4. ed., Lond., 1940, 75–87.—**Cabanès.** Les émotions funcstes. In his Fonct. de la vie, Par., 1926, 255–75.—**Carter, H. L. J.** A combined projective and psychogalvanic response technique for investigating certain affective processes. J. Consult. Psychol., 1947, **11:** 270–5.—**Childe, A.** De l'émotion en biologie et en ethnographie. Arch. brasil. med., 1918, **8:** 134–43. ——— Emoção e intelligencia. An. Acad. brasil. cienc., 1932, **4:** 5–7.—**Duffy, E.** An explanation of emotional phenomena without the use of the concept emotion. J. Gen. Psychol., 1941, **25:** 283–93. ——— Leeper's motivational theory of

emotion. Psychol. Rev., 1948, 55: 324–8.—**Gagné, R. M., & Graham, C. H.** The effect of an emotional state on the initial stages of acquisition in a conditioned operant response. Proc. Nat. Acad. Sc. U. S., 1940, 26: 297–500.—**Haggard, F. A.** Experimental studies in affective processes. J. Exp. Psychol., 1943, 33: 257; passim.—**Hamilton, G. V.** The emotional life of modern woman. In: Woman's Coming of Age (Schmalhausen, S. D.) N. Y., 1931, 207–29.—**Harris, R. E., & Thompson, C. W.** The relation of emotional adjustment to intellectual function; a note. Psychol. Bull., 1947, 44: 283–7.—**Ingham, S. D.** The nature of emotion. Bull. Los Angeles Neur. Soc., 1942, 7: 49–54.—**Ingle, D. J.** A test of mental instability. J. Appl. Psychol., 1934, 18: 252–66.—**Jeanson, F.** Positions françaises actuelles sur le problème philosophique des émotions. Schweiz. Zschr. Psychol., 1947, 6: 183–7.—**Klineberg, O.** The physiology of emotion. In his Social Psychol., N. Y., 1940, 166–8.—**Lindner, R. M.** A functional study of emotion. Abstr. Theses Cornell Univ. (1938) 1939, 253–5.—**London, I. D.** The treatment of emotions in contemporary Soviet psychology. J. Gen. Psychol., 1949, 41: 89–100.—**Moore, T. V.** The psychology of the emotions. In his Driving Forces of Human Nature, N. Y., 1948, 107–14.—**Muncie, W. S.** Definition and classification of affect. In his Psychobiology, S. Louis, 1939, 80–2. ——— Effect of emotions on the cognitive and conative processes. Ibid., 94–6.—**Strecker, E. A., & Appel, K. E.** The mental use of substitutes, the transference of emotions, and the importance of symbolism. In their Discov. Ourselves, 2. ed., N. Y., 1943, 299–314.—**Tuttle, H. S.** Emotion as substitute response. J. Gen. Psychol., 1940, 22: 87–104.—**Webb, W. B.** A motivational theory of emotions. Psychol. Rev., 1948, 55: 329–35.—**Wyss, W. H. v.** Ueber affektives Wahrnehmen und Erleben. Schweiz. med. Wschr., 1941, 71: 425.—**Young, P. T.** Emotion as disorganized response; a reply to professor Leeper. Psychol. Rev., 1949, 56: 184–91.—**Zangwill, O. L.** The theory of emotion; a correspondence between J. T. MacCurdy and Morton Prince. Brit. J. Psychol., 1948–49, 39: 1–11

—— Ageing.

See also subheadings (Deterioration; infantile; juvenile)

Clark, M. P. Changes in primary mental abilities with age. 30p. 25½cm. N. Y., 1944.

Garrett, H. E., Bryan, A. I., & Perl, R. E. The age factor in mental organization. 31p. 24½cm. N. Y., 1935.

Forms No. 176, Arch. Psychol., N. Y.

Bracken, H. v. Die Altersveränderungen der geistigen Leistungsfähigkeit und der seelischen Innenwelt. Zschr. Altersforsch., 1938–39, 1: 256–66.—**Copple, G. E.** Senescent Decline on the Wechsler-Bellevue intelligence scale. Univ. Pittsburgh Bull., 1949, 45: No. 8, 227–36.—**Foulds, G. A.** Variations in the intellectual activities of adults. Am. J. Psychol., 1949, 62: 238–46. ——— & **Raven, J. C.** Normal changes in the mental abilities of adults as age advances. J. Ment. Sc., Lond., 1948, 94: 133–42.—**Lorge, I.** Retests after 10 years. J. Educ. Psychol., 1934, 25: 136–41.—**Lungwitz, H.** Von der senilen Denkweise. In his Entdeck. d. Seele, 5. Aufl., Berl., 1947, 349–51.—**Miles, W. R., & Miles, C. C.** Intelligence and age. In: Geriatr. Med. (Stieglitz, E. J.) Phila., 1943, 106–8. ——— Mental changes with normal aging. Ibid., 2. ed., Phila., 1949, 91–104.—**Nascher, I. L.** The aging mind. Med. Rec., N. Y., 1944, 157: 669–71.—**Patterson, H.** The chronological age of highly intelligent freshmen. Proc. Oklahoma Acad. Sc. (1933) 1934, 14: 81.—**Sorenson, H.** Mental ability over a wide range of adult ages. J. Appl. Psychol., 1933, 17: 729–41.

—— Analysis.

Meili, R. L'analyse de l'intelligence. p.1–64. 24½cm. Neuchâtel, 1946.

In: Arch. psychol., Neuchâtel, 1946, 31: No. 121.

Joel, W., & Shapiro, D. A genotypical approach to the analysis of personal interaction. J. Psychol., Provincet., 1949, 28: 9–17.—**Moore, T. V.** The analysis of mental life. In his Cognit. Psychol., Chic., 1939, 579–89.—**Myers, C. S.** A new analysis of intelligence; a critical notice. Occup. Psychol., Lond., 1947, 21: 17–23.—**Nyssen, R.** Le problème de l'examen analytique de l'intelligence. J. belge neur. psychiat., 1946, 44–46: 297–309.—**Pikler, J.** Entwurf einer Zergliederung des Bewusstseins in rein-objektive Elemente. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 752–65.—**Rimoldi, H. J. A.** Aplicaciones y teoría del análisis factorial. Cienc. & invest., B. Air., 1949, 5: 399–404.—**Yela, M.** La técnica del análisis factorial. Rev. psicol. gen. apl., Madr., 1949, 4: 121–40.

—— Care and hygiene.

See also **Mental health; Mental hygiene; Mind and body.**

Reid, J. K. Whither humanity; the philosophy of a doctor. 139p. 22cm. Lond., 1945.

Bryce, P. The mind, and how to preserve it. Tr. M. Ass. Alabama, 1880, 33: 243–91.—**Guyer, M. F.** Managing our minds. In his Speaking of Man, N. Y., 1942, 117–57.—**Harris, N.** The health of the mind. J. R. Inst. Pub. Health, 1947, 10: 363–6.—**Hörömpöly, M.** Az egészséges lélek. Népegészségügy, 1948, 29: 244.—**Read, G. D.** Ante-natal care of the emotions. Health Off., Wash., 1938, 3: 184–90.—**Verweyen, J. M.** Hygiene des Geistes. Wendepunkt, Zür., 1926–27, 4: 447–51.—**Züblin-Spiller, E.** Hygiene durch Gesinnung und Willen zu fruchtbarer Tat. Gesundh. & Wohlf., Zür., 1948, 28: 268–70.

—— Cognitive life.

See also **Cognition; Knowledge; Mind-reading.**

Chih Wei Luh. A comparative approach toward the psychology of cognition. Am. J. Psychol., 1937, 50: 445–51.—**Hebb, D. O.** Emotion in man and animal; an analysis of the intuitive processes of recognition. Psychol. Rev., 1946, 53: 88–106.—**Heidbreder, E.** Toward a dynamic psychology of cognition. Ibid., 1945, 52: 1–22.—**Heider, F.** Attitudes and cognitive organization. J. Psychol., 1946, 21: 107–12.—**Leighton, A. H., & Leighton, D. C.** Cognition. Papers Peabody Mus. Am. Archaeol., 1949, 40: 132–5.—**Molina M., S.** Psicoanálisis del conocimiento objetivo. Psiquis, Méx., 1949, 4: 113–9.—**Muncie, W.** Cognitive assets; some special items. In his Psychobiol. & Psychiat., 2. ed., S. Louis, 1948, 59–74.—**Peatman, J. G.** Cognitive psychology. Am. J. Orthopsychiat., 1940, 10: 609–11.—**Pierris, C. A. de.** Del conocer, como nuevo contenido de la vida. Sem. méd., B. Air., 1942, 49: 943.—**Van Mierlo, S.** La connaissance. In his Science, Par., 1948, 63–84.—**Wagner, L.** Erkenntnisgeist und Muttergeist. Zschr. Menschenk., 1935–36, 11: 15–24.

—— Conation.

See subheading (Volition)

—— Consciousness.

See also subheading (Unconscious) also **Consciousness.**

Agerberg, J. Medvetandets problem. ur fysiologisk synpunkt. 260p. 22½cm. Stockh., 1942.

Binet, A. On double consciousness. 93p. 18½cm. Chic., 1894.

Haan, B. J. de. *Teruggrijpende verdringing van bewustzijnsinhouden. 95p. 23½cm. Groningen, 1918.

Havas, F. The equilibrium theory of the human consciousness. Rev. ed. 15p. 22cm. Glasg., 1946.

Lighthall, W. D. Superpersonalism; the outer consciousness; a biological entity; reflections on the independence of instinct and its characteristics in evolution. 115p. 23cm. Montreal, 1926.

Müller, L. R. Aufwachen, Bewusstsein und Weltanschauung. 2. Aufl. 33p. 23cm. Lpz., 1942.

Schmalhausen, S. D. What is consciousness? a pre-Freudian survey. p.327–60. 22½cm. N. Y., 1929.

In his Our Changing Hum. Nat., N. Y., 1929.

Seidel, A. Bewusstsein als Verhängnis. 221p. 24½cm. Bonn, 1927.

Strömgren, E. Om bevidsthedsforstyrrelser. 72p. 21cm. Kbh., 1945.

Wells, H. M. *The phenomenology of acts of choice; an analysis of volitional consciousness. 157p. 26cm. Cambr., 1927.

Forms Monogr. Suppl. No. 11, Brit. J. Psychol.

Adler, G. C. G. Jung's contribution to modern consciousness. Brit. J. M. Psychol., 1944–45, 20: 207–20.—**Amaldi, P.** Della coscienza e dei suoi elementi costitutivi anche sotto l'aspetto biologico. Rass. stud. psichiat., 1949, 38: 484–92.—**Bekhterev, V. M.** Oličnom i obšćem soznanii. Vest. psikhol. krim. antrop., 1904, 1: 541; passim.—**Bergmann, G.** A positivistic metaphysics of consciousness. Mind, Lond., 1945, 54: 193–226.—**Cobb, S.** Consciousness. In his Borderl. Psychiat., Cambr., 1943, 90–102.—**Dalbiez, R.** The various types of consciousness. In his Psychoanal. Meth. & Doctrine of Freud, Lond., 1941, 2: 18–21.—**Gimeno Pérez, A.** Lo consciente, lo preconsciente y lo inconsciente según el psicoanálisis. An. med., Barcel., 1948, 35: 125–9.—**Gurwitsch, A.** A non-egological conception of consciousness. Philos. & Phenom. Res., 1940–41, 1: 325–38.—**Haeberlin, C.** Ueber das vital Unbewusste, Bewusstsein und Charakter mit Bemerkungen über die deutsche Seelenkunde von Goethe und Carus. Zbl. Psychother., 1935, 8: 279–95.—**Jaspers, K.** Gegenstands-

bewusstsein. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 51–67. ——— Das augenblickliche Ganze; der Bewusstseinszustand. Ibid., 114–29.—**Jung, C. G.** Bewusstsein, Unbewusstes und Individuation. Zbl. Psychother., 1939, 11: 257–70.—**Lassen, H.** Zum Problem der Einheit des Bewusstseins. Arch. ges. Psychol., 1943–44, **112:** 371–99.—**Lungwitz, H.** Vom Bewusstsein und vom Denken. In his Entdeck. d. Seele, 5. Aufl., Berl., 1947, 53–74.—**Martin, J. P.** Consciousness and its disturbances considered from the neurological aspect. Lancet, Lond., 1949, **1:** 1; passim.—**Max, L. W.** An experimental study of the motor theory of consciousness; method and apparatus. J. Gen. Psychol., 1935, **13:** 159–75.—**Meyer, A.** A plea for the concept of sense as the essence of consciousness. In his Commonsense Psychiat., N. Y., 1948, 607–15.—**Minkowski, E.** Les voies d'accès au conscient; la conscience et l'inconscient. Evolut. psychiat., Par., 1949, 383–405.—**Moore, T. V.** Consciousness. In his Driving Forces of Human Nature, N. Y., 1948, 63–6.—**Müller, L. R.** Ueber das Aufwachen, das Bewusstsein und über Weltanschauung. Deut. med. Wschr., 1941, **67:** 156; 186.—**Philippe, J.** Le problème de la conscience dans la psychologie expérimentale. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 266–8.—**Prince, M.** Awareness, consciousness, co-consciousness and animal intelligence from the point of view of the data of abnormal psychology; a biological theory of consciousness. Pedag. Semin., Worcester, 1925, **32:** 166–88.—**Reiser, O. L.** Consciousness as a new dimension. Psyche, Lond., 1934, **14:** 165–76.—**Rogge, H. C.** Das dereistische Prinzip. Zbl. Psychother., 1934, **7:** 362–71. ——— Das Bewusstsein. Ibid., 1936, **9:** 344–61.—**Simoneit, M.** Die mit dem Bewusstsein der Freiheit erfolgende Einstellung und Beeinflussung des Bewusstseins als Kern des Willenserlebnisses; seine phänomenalen Merkmale. Arch. ges. Psychol., 1937, **98:** 286–96.—**Vailati, V.** La classification des états de conscience proposée par le professeur Franz Brentano et ses applications à l'analyse psychologique des jugements. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 322–8.—**Verjaal, A.** Klinische Betrachtungen über Bewusstsein, Wahrnehmen und Erinnern. Zschr. ges. Neur. Psychiat., 1938–39, **164:** 93–104.—**Walker, K.** Consciousness. In his Diagn. Man, Lond., 1943, 102–15. ——— Higher states of consciousness. Ibid., 143–63.

—— Cosmic mind.

Montague, W. P. The human soul and the cosmic mind. Mind, Lond., 1945, **54:** 50–64.—**Needham, J.** Aspects of the world mind in time and space. Advance. Sc., Lond., 1942, **2:** 100–3.—**Walker, K.** Cosmic consciousness. In his Diagn. Man, Lond., 1943, 154.—**Wells, H. G., Crowther, J. G.** [et al.] Science and the world mind. Advance. Sc., Lond., 1942, **2:** 93–108.

—— Death.

See also **Immortality.**

Prince, M. Why the body has a mind and the survival of consciousness after death. In his Clin. Exp. Stud. Person., 2. ed., Cambr., 1939, 569–92.

—— Deterioration, and decline.

Crown, S. Notes on an experimental study of intellectual deterioration. Brit. M. J., 1949, **2:** 684.—**Hartnacke, W.** Die Nachwuchsschwäche des begabteren und die Nachwuchsstärke des unbegabteren Volksteils. Forsch. & Fortsch., 1936, **12:** 77.—**Lawton, G.** Mental decline and its retardation. Sc. Month., 1944, **58:** 313–7. Also J. Gen. Psychol., 1945, **32:** 229–48.—**Levi, J., Oppenheim, S., & Wechsler, D.** Clinical use of the mental deterioration index of the Bellevue-Wechsler scale. J. Abnorm. Psychol., 1945, **40:** 405–7.—**Penrose, L. S.** The supposed threat of declining intelligence. Am. J. Ment. Defic., 1948–49, **53:** 114–8.—**Woolf, B.** Is there a decline of intelligence in Britain? a review of Sir Cyril Burt's Intelligence and fertility. Brit. M. Bull., 1947, **5:** 226–8.

—— Development and growth.

See also **Mind and body,** Development.

Baldwin, J. M. Die Entwickelung des Geistes beim Kinde und bei der Rasse; Methoden und Verfahren. Nach der 3. engl. Aufl. 470p. 23cm. Berl., 1898.

—— Mental development in the child and the race. 3. ed. 477p. 22cm. N. Y., 1915.

Blatz, W. E., & Millichamp, D. A. The development of emotion in the infant. 44p. 23cm. Toronto, 1935.

Bogen, H. Zur Entwicklung der grammatisch-logischen Funktionen (statistische Ergebnisse aus einer Experimentaluntersuchung an einem Bindeworttest) p.33–99. 8° Lpz., 1921.

Zschr. angew. Psychol., 1921, 19:

Boynton, P. L., & Boynton, J. C. Psychology of child development. 2. print. 519p. 21cm. Minneap., 1940.

Crissey, O. L. Mental development as related to institutional residence and educational achievement. 81p. 23½cm. Iowa City, 1937.

Goodenough, F. L., & Mauer, K. M. The mental growth of children from two to fourteen years, a study of the predictive value of the Minnesota preschool scales. 130p. 23½cm. Minneap., 1942.

Hamlin, R. M. An analysis of age-progress curves as related to the mental growth curve: a study of vocabulary. 37p. 25½cm. N. Y., 1944.

Hubert, R. La croissance mentale; étude de psychogénétique. 2v. 638p. paged continuously. 21½cm. Par., 1949.

Jersild, A. T. Emotional development. p.752–90. 22cm. N. Y., 1946.

In: Manual Child Psychol. (Carmichael, L.) N. Y., 1946.

Mind. 185p. 15½cm. N. Y., 1902.

Swift, E. J. Mind in the making; a study in mental development. 329p. 20½cm. N. Y., 1909.

Warner, F. A course of lectures on the growth and means of training the mental faculty. 222p. 18cm. Cambr., 1890.

Allen, F. H. The normal psychological growth process. In his Psychother. Child., N. Y., 1942, 15–29.—**Baugh, J.** The origin of human mind. Canad. Pract., 1906, **31:** 239–41.—**Beverly, B. I.** Mental growth, development and hygiene. In: Child in Health &c. (Grulee, C. G.) Balt., 1948, 20–32.—**Blanco White, A. R.** Mental growth. In her Worry in Women, Lond., 1941, 280–302.—**Blumenfeld, W.** The invariability of certain coefficients of correlation during human development. J. Genet. Psychol., 1946, **68:** 189–204.—**Brook, A.** Schülerbesprechung bei den Kleinsten. Internat. Zschr. Individpsychol., Wien, 1936, **14:** 220–7.—**Carmichael, L.** The experimental embryology of mind. Psychol. Bull., 1941, **38:** 1–28.—**Cattell, P.** Mental development from birth to puberty. Rev. Educ. Res., 1933, **3:** 84–107.—**Choisy, M.** Stades et rythmes de la croissance psychique. Psyché, Par., 1948, **3:** 1186–205.—**Debrunner, H.** Die Einwirkung der körperlichen und seelischen Polarisierung auf die Intelligenzentwicklung, veranschaulicht an erbgleichen Zwillingen. Schweiz. Zschr. Psychol., 1948, **7:** 309.—**Delatte, A.** La première floraisonde la ville mentale. Rev. philanthrop., Par., 1918, **39:** 60–71.—**Ekehorn, G.** Remarks concerning mind's ontogenesis. Acta med. scand., 1949, Suppl. 231, 411–20.—**Erikson, E. H.** Ego development and historical change; clinical notes. Psychoanal. Stud. Child, 1946, **2:** 359–96.—**Freud, A.** Emotional and instinctive development. In: Child Health (Ellis, R. W. B.) Lond., 1947, 196–215.—**Gesell, A.** Development diagnosis and supervision; some postwar possibilities. Am. J. Orthopsychiat., 1945, **15:** 510–3.—**Halliday, J. L.** Later phases of emotional development. In his Psychosocial Med., N. Y., 1948, 238–42.—**Harriman, P. L.** Emotional development of children. In: Child Psychol. (C. E. Skinner) N. Y., 1941, 154–79.—**Hendrick, I.** Ego development and certain character problems. Psychoanal. Q., 1936, **5:** 320–46.—**Herfort, C.** [Phylo- and ontogenesis of the soul] Anthropologie, Praha, 1929, **7:** 221–6, port.—**Hilden, A. H.** A longitudinal study of intellectual development. J. Psychol., Provincet., 1949, **28:** 187–214.—**Hill, P. J.** The emotional development of the child. J. Dent. Educ., 1946–47, **11:** 209–15.—**Howard, R. W.** The development history of a group of triplets. J. Genet. Psychol., 1947, **70:** 191–204.—**Howard, S.** La evolución psíquica y el factor emocional. Bol. Hosp. Viña del Mar, 1945, **1:** 65–70.—**Kuhlmann, F., & Odoroff, M. E.** Verification of the Heinis mental growth curve on results with the Stanford-Binet tests. J. Psychol., Provincet., 1942, **13:** 355–64.—**Lipmann, O.** Die Entwicklung der grammatisch-logischen Funktionen; vorläufige Mitteilung über eine Experimental-Untersuchung. Zschr. angew. Psychol., 1916–17, **12:** 347–71.—**McCallum, C. M.** Mental development. Nurs. Times, Lond., 1943, **39:** 636; 652.—**Martz, E. W.** Phenomenal spurt of mental development in a young child. Psychiat. Q., 1945, **19:** 52–9.—**Massière, J.** Die affektive Entwicklung des Kindes und der Milieuwechsel. Wien. Zschr. prakt. Psychol., 1949, **1:** 93–101.—**Meek, L. H., & Jersild, A. T.** Mental development from two to 12 years. Rev. Educ. Res., 1936, **6:** 17–48.—**Morais Barros, M. J.** Desenvolvimento psíquico do indivíduo normal. Impr. méd., Rio, 1943, **18:** No. 353, 121–5.—**Oppenheimer, O.** Do we grow mentally? J. Genet. Psychol., 1947, **71:** 65–73.—**Penrose, L. S.** Intellectual development. In: Child Health (Ellis, R. W. B.) Lond., 1947, 183–95.—**Plant, J. S., & Senn, M. J. E.** Mental and emotional development. In: Textb. Pediat. (Nelson, W. E.) 5. ed., Phila., 1950, 74–87.—**Puig, F.** La genèse de la volonté chez l'enfant et la doctrine du professeur Adler. Internat. Zschr. Individpsychol., Wien, 1931, **9:** 138.—**Sarrouy.** Le développement intellectuel de l'enfant. Algérie méd., 1935, **39:** 805–13.—**Sears, R. R., Wise, G. W.** [et al.] Approaches to a dynamic theory of development. Am. J. Orthopsychiat., 1950, **20:** 123–60.—**Senn, M. J. E.** What we have learned about emotional growth and development from clinical observation and from common

pediatric practice. In: Pediat. & Emot. Needs Child, N. Y., 1948, 1–9. ——— **Langford, W. S.** [et al.] What have we learned about emotional growth and development? Ibid., 1–33, 5 pl.—**Slater, E., Beckwith, R., & Behnke, L.** Emotional development; progress chart. Monogr. Soc. Res. Child Develop., 1939, **4**: No. 2, 143.—**Tedeschi, E.** I fenomeni di ordine nella psicogenesi. Ricerche psichiat., Milano, 1907, 511–23.—**Valentine, C. W.** Further aspects of mental development. In his Psychol. Early Childh., Lond., 1942, 57–64.—**Washburn, A. H.** Possible contributions to our understanding of emotional development from a study of human growth. In: Pediat. & Emot. Needs Child, N. Y., 1948, 16–33, 5 pl.—**Wellman, B. L.** Human development. In: Fields of Psychol. (Seashore, R. H.) N. Y., 1942, 229–64.—**Zietz, K.** Zur Entwicklung des kausalen Denkens bei Kindern. Zschr. angew. Psychol., 1939, **57**: 50–85.

—— Dynamics.

Schroeder van der Kolk, J. L. C. Eene voorlezing over het verschil tusschen doode natuurkrachten, levenskrachten en ziel [Utrecht, 1835] p.283–359. 25cm. Amst., 1932.

Opusc. selecta Neerl. de arte med., 1932, **11**:

Gillespie, R. D. The present status of the concepts of nervous and mental energy. Brit. J. Psychol., 1924–25, **15**: Sect. Gen., 266–79.—**Hellpach, W.** Die Bewusstseins-Unbewusstseins-Polarität der Seele; ein Beitrag zur theoretischen Psychodynamik. Arch. ges. Psychol., 1936, **96**: 221–39.—**Ioteyko, J.** L'énergétisme psychique. Rev. Univ. Bruxelles, 1905–06, **11**: 263–85.—**Mackenzie, M.** The driving forces of mind. In his Human Mind, Phila., 1941, 34–7.—**Menninger, W. C.** Fundamentals of psychiatry; mental dynamisms. J. Kansas M. Soc., 1943, **44**: 325–31.—**Mind** (The) has real force. J. Parapsychol., 1943, **7**: 69–75.—**Mitolo, M.** Il costo energetico del lavoro mentale. Policlinico, 1945, **52**: Sez. prat., **31**: 22.—**Muñoz, R. P.** Nuevos conceptos sobre la importancia del dinamopsiquismo en el hombre. Pub. méd., B. Air., 1946, **12**: 11–20.—**Reich, W.** What is biopsychic energy? In his Funct. Orgasm, 1942, 238–43.—**Spring, W. J.** A critical consideration of Bernfeld and Feitelberg's theory of psychic energy. Psychoanal. Q., 1934, **3**: 445–73.—**Tecoz, H. F.** La force en nous. Praxis, Bern, 1942, **31**: 758.

—— Environmental relations.

Jones, H. E. Environmental influences on mental development. p.582–632. 22cm. N. Y., 1946.

In: Manual Child Psychol. (Carmichael, L.) N. Y., 1946.

Kohnstamm, O. F. Intelligenz und Anpassung; Entwurf zu einer biologischen Darstellung der seelischen Vorgänge. p.227–92. 23½cm. Münch., 1927.

In his Erscheinungsform. d. Seele, Münch., 1927.

Blake, R. R. The relation between childhood environment and the scholastic aptitude and intelligence of adults. J. Social Psychol., 1949, **29**: 37–41.—**Crissey, O. L.** The mental development of children of the same IQ in differing institutional environments. Proc. Iowa Acad. Sc., 1938, **45**: 265–9.—**Groot, A. D. de.** Der Einfluss der Kriegsumstände auf die Intelligenz holländischer Schulkinder. Zschr. Kinderpsychiat., Basel, 1948–49, **15**: 24.—**Spitz, R. A., & Wolf, K. M.** Environment vs. race-environment as an etiological factor in psychiatric disturbances in infancy. J. Nerv. Ment. Dis., 1946, **103**: 520–7.—**Winn, R. B.** Mind and nature. Philos. of Sc., Balt., 1946, **13**: 41–52.

—— Evolution.

Beale, A. A. The evolution of man's mind. 96p. 19cm. Phila., 1939.

Berryman, F., & Smith, G. E. The evolution of the mind. Proc. R. Inst. Gr. Britain, 1935, **28**: pt 1, No. 132, 131–48.—**Bolton, J. S.** The evolution of mind. Lancet, Lond., 1935, **1**: 659; 728.—**Campbell, H.** Man's mental evolution; past and present. Med. Press, Lond., 1927, n. ser., **123**: 253; passim.—**Dambuyant, M.** Les illusions évolutionnistes de M. A. Lalande. J. psychol. norm. path., Par., 1935, **32**: 653–68.—**Ekehorn, G.** Remarks on mind's phylogenetical evolution. Acta med. scand., 1949, Suppl. 231, 393–411.—**Kantor, J. R.** The evolution of mind. Psychol. Rev., 1935, **42**: 455–65.—**Lashley, K. S.** Persistent problems in the evolution of mind. Q. Rev. Biol., 1949, **24**: 28–42.—**Smith, G. E.** Evolution of the mind. Nature, Lond., 1934, **133**: 245–52.—**White, W. A.** The concept of evolution as applied to the human mind. Bull. N. York Acad. M., 1927, n. ser., **3**: 502–12.

—— Examination.

See also subheading (Measurement) also **Mental test.**

Fernald, M. R. The diagnosis of mental imagery. 169p. 8° Balt., 1912.

Forms No. 1, v.**14**, Psychol. Monogr., Balt.

Wiggam, A. E. Exploring your mind with the psychologists. 419p. 22cm. N. Y., 1928.

Angell, J. R. Methods for the determination of mental imagery. Psychol. Monogr., Balt., 1910–11, **13**: 61–108.—**Nyssen, R.** De l'examen mental quantitatif. Acta neur. psychiat. belg., 1948, **48**: 521–30.—**Wickware, F. S.** Exploring the mind. In: Science Yearb., N. Y., 1947, 149–59.

—— Expression.

Kraines, S. H. Energy mobilization and expression. In his Ther. Neuroses, Phila., 1941, 236–55.—**Specht, W.** Vom Ausdruck der Seele. Zschr. ges. Neur. Psychiat., 1926, **101**: 671–700.

—— Faculties and traits.

See also **Mental ability; Mental test,** Factorial analysis; **Mental trait,** etc.

Campbell, J. B. Life: physical and spiritual, and the amazing power of the cultivated and developed human soul, by which it performs the most wonderful occult phenomena and reveals the deepest mysteries. v. p. [287]p. 20cm. Fairmount, Ohio, 1886[?]

Hazlitt, V. Ability, a psychological study. 147p. 8° Lond., 1926.

Leeper, R. W. Lewin's Topological and vector psychology. 218p. 25½cm. Eugene, 1943.

McDougall, W. [The energies of men] Aufbaukräfte der Seele. 282p. 25½cm. Lpz., 1937.

Rhine, J. B. New frontiers of the mind; the story of the Duke experiments. 275p. 8° N. Y., 1937.

Thurstone, L. L. The vectors of mind. 266p. 25½cm. Chic., 1935.

——— Primary mental abilities. 121p. 8° Chic., 1938.

Voivenel, P. Les forces mystérieuses de l'esprit. 261p. 18cm. Toulouse, 1946.

Archer, R. L. A note on the theory of the general and specific factors in ability. Brit. J. Educ. Psychol., 1936, **6**: 165–73.—**Barksdale, J. W.** Some attributes of the human mind. J. Tennessee M. Ass., 1925–26, **18**: 226–8.—**Bronner, A. F.** Special mental abilities and disabilities. Proc. Internat. Congr. Ment. Hyg. (1930) 1932, 1. Congr., **2**: 422–46.—**Burridge, W.** On the divisions of mind. J. Ment. Sc., Lond., 1931, **77**: 345–50.—**Cimkin, I.** [Theory of the ability to combine] Psikhiat. gaz., Petrogr., 1916, **3**: 60–2.—**Holub, A.** Wege zu besonderen Fähigkeiten (Begabung) Internat. Zschr. Individpsychol., Wien, 1933, **11**: 350–3.—**Howe, A. J.** Sensibility, intelligence, instinct, and mind. In his Misc. Papers, Cincin., 1894, 80–95.—**Jeffress, L. A.** The nature of primary abilities. Am. J. Psychol., 1948, **61**: 107–11.—**Mackenzie, M.** The discrete nature of the mind. In his Human Mind, Phila., 1941, 40–2.—**Moore, T. V.** Mental faculties and factorial analysis. In his Cognit. Psychol., Chic., 1939, 590–604.—**O'Neill, J. J.** Peculiar properties of the human mind. J. Am. Soc. Psychic. Res., 1936, **30**: 205; passim.—**Philpott, S. J. F.** The meaning of G and other factors in terms of rates of output. Brit. J. Psychol., 1936, **27**: 196–224.—**Sisk, H. L.** A multiple factor analysis of mental abilities in the freshman engineering curriculum. Abstr. Theses Cornell Univ. (1939) 1940, 86.—**Spearman, C.** Analysis of abilities into factors by the method of least squares. Brit. J. Educ. Psychol., 1934, **4**: 183–5. ——— The factor theory and its troubles; scientific value. J. Educ. Psychol., 1934, **25**: 383–400.—**Spiel, O.** Aenderung des Lebensstiles, Begabungswandel. Internat. Zschr. Individpsychol., Wien, 1932, **10**: 183–200.—**Thomson, G. H.** Maximising the specific factors in the analysis of ability. Brit. J. Educ. Psychol., 1938, **8**: 255–64.—**Thurstone, L. L.** The vectors of mind. Psychol. Rev., 1934, **41**: 1–32. ——— Primary mental abilities. J. Am. M. Ass., 1937, **108**: 1363. ——— Primary mental abilities. Science, 1948, **108**: 585.

—— Fatigue.

See **Mind and body,** Fatigue.

—— Feeling and sentiment.

Bertocci, P. A. Sentiments and attitudes. J. Social Psychol., 1940, **11**: 245–57.—**Coghill, G. E., & Legner, W. K.** General feelings before birth. Monogr. Soc. Res. Child Develop., 1937, **2**: No. 6, 68.—**Farnell, F. J.** Can one's feelings be regimented? Med. Rec., N. Y., 1940, **151**: 417.—**Flugel, J. C.** Feeling and the hormic theory. Character & Personality, 1938–39, **7**: 211–29.—**French, V. V.** The structure of sentiments; a restatement of the theory of sentiments. J. Person., Durham, 1946–47, **15**: 247–82.—**Ingham, H. V.** Interdepend-

ent superiority and inferiority feelings. California M., 1949, 71: 337–40.—**Janet.** La evolución de los sentimientos. Crón. méd. mex., 1926, 25: 349–52.—**Jaspers, K.** Gefühle und Gemütszustände. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 90–7. ——— Gegenstandslose Gefühle. Ibid., 94–6. ——— Wie aus gegenstandslosen Gefühlen Welten erwachsen. Ibid., 96.—**Külpe, O.** Sur Psychologie der Gefühle. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 183–96.—**Lungwitz, H.** Die Gefühligkeit. In his Entdeck. d. Seele, 5. Aufl., Berl., 1947, 117–20.—**Manaéine, M. de.** Sur les sentiments et les sensations et leurs différences fondamentales. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 278–83.—**Pradines, M.** Les affections-régulations, les sentiments. In his Traité psych. gén., 2. éd., Par., 1946, 1: 659–81.—**Travis, L. E., & Baruch, D. W.** Even the baby has feelings. In their Personal Probl., N. Y., 1941, 43–50.—**Vogt, O.** Contribution à la psychologie des sentiments. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 403–7.—**Young, K.** Feelings and emotions. In his Person. & Probl. Adjust., N. Y., 1941, 68–75.

—— Functions.

See also subheadings (Faculties and traits; Mechanism) also **Mental work; Mind and body.**

Austregésilo, A. Pensar, sentir e atuar. p.191–340. 22cm. Rio, 1944.

In his Obras compl., Rio, 1944, 1:

Dumas, G. Nouveau traité de psychologie. v.5: Les fonctions systématisées de la vie intellectuelle. 408p. 24½cm. Par., 1936.

Rohrbacher, H. Die Vorgänge im Gehirn und das geistige Leben. 197p. 23½cm. Lpz., 1939.

Banissoni, F. Sul lavoro mentale epurato; nuovi esperimenti. Riv. psicol., 1925, 21: 23–32.—**Bolton, F. E.** Some ethical aspects of mental economy. Pop. Sc. Month., 1907, 71: 246–57.—**Burridge, W.** Time, space and the mental machine. Current Sc., Bangalore, 1945, 14: 119–21.—**Chalfant, E. M.** Conscious and non-conscious mental functions. J. Clin. Psychol., 1945, 1: 77–82.—**Ekehorn, G.** Mind's way of assessing significance and probability; and how mind speeds up a remote and cumbersome statistical tendency. Acta med. scand., 1949, Suppl. 231, 288–302. ——— Establishment, rôle, and power of verbal and other mental conventions. Ibid., 331–45. ——— The mental way: some basic phenomena briefly mentioned. Ibid., 386–92.—**Hoernlé, R. F. A.** Concerning reason in human affairs. Mind, Lond., 1936, 45: 281–96.—**Hull, C. L.** Mind, mechanism, an adaptive behavior. Psychol. Rev., 1937, 44: 1–16.—**Ingegnieros, J.** Las funciones psíquicas sintéticas. Scm. méd., B. Air., 1911, 18: pt 1, 497.—**Maccagno, M. A.** Introduzione sperimentale allo studio dei tipi di lavoro mentale. Riv. psicol., 1912, 8: 1–9.—**Meissl, A.** Die Elemente der psychischen Funktion. Wien. klin. Rschau, 1905, 19: 890; 925.—**Moore, J. S., & White, L. A.** Mind is minding; but or still? Sc. Month., 1940, 50: 365.—**Schorn, M.** Experimentelle Untersuchungen über die Mehrfachhandlung. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1928, 108: 195–221.—**Vaschide, N.** La courbe du travail intellectuel d'après Kraepelin et son école. Rev. psychiat., Par., 1905, 188–200.—**White, L. A.** Mind is minding. Sc. Month., 1939, 48: 169–71.—**Young, F. L. D.** Psychosynthesis. Guy's Hosp. Gaz., Lond., 1936, 50: 327–30.—**Ziiocchi, A.** La mentalita positiva davanti ad un fatto storico. Note riv. psichiat., 1914, ser. 3; 7: 264–82.

—— Group mind.

See also **Crowd psychology;** also under names of nationalities.

Brown, E. J. The common mind: has it an existence? and to what extent can it be depended upon in the discussion of public questions? Tr. Minnesota M. Ass., 1903, 35: 296–302.—**Gregory, W. S.** A study of stereotyped thinking; affective reactions to persons as the basis for judging their nationality. J. Social Psychol., 1941, 13: 89–102.—**Hartshorne, C.** Elements of truth in the group-mind concept. Social Res., 1942, 9: 248–65.—**Montagu, M. F. A.** Selection and the mental characters of mankind. Am. J. Phys. Anthrop., 1947, 5: 241.—**Prak, J. L.** De intelligentie van het nederlandsche volk. Afkomst & toekomst, 1937, 3: 115–31.—**Thomson, G.** The trend of national intelligence. Eugen. Rev., Lond., 1946–47, 38: 9–18.

—— Heredity.

See also **Genius.**

Lenz, F. G. K. Die Erblichkeit der geistigen Begabung. p.371–433. 22½cm. Münch., 1923.

In: Grundr. d. menschl. Erblichkiehre (Baur, E.) 2. Aufl., Münch., 1923, 1:

Reinöhl, F. Die Vererbung der geistigen Begabung. 230p. 8° Münch., 1937.

Burt, C. Intelligence and heredity; a critical notice. Occup. Psychol., Lond., 1945, 19: 39–42.—**Colucci, C.** Contributo allo studio della ereditarietà ed educabilità dei sentimenti. Cervello, 1923, 2: 133.—**Dahlberg, G.** Rare psychological defects from the point of view of the population. Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 94–6.—**Diedrich, H.** Erhebungen an Stettiner Grundschülern über Schulleistung, Begabung und Geschwisterzahl. Arch. Rassenb., 1941–42, 35: 1–17.—**East, E. M.** The inheritance of mental characteristics. Ment. Hyg., Alb., 1931, 15: 45–51.—**Firgau, H. J.** Die genetische Ganzheitspsychologie und die entwicklungspsychologische Lehre von der Ausdifferenzierung des Lebens. Arch. ges. Psychol., 1943, 112: 23–50.—**Fox, C.** Mental heredity. Acta psychol., Hague, 1938, 4: 171–202.—**Gotor, P., & Cascajo, J.** Inteligencia y época del año de la concepción. Psicotecnia, Madr., 1945, 5: No. 20, 1–10.—**Gottschaldt, K.** Phänogenetische Fragestellungen im Bereich der Erbpsychologie. Zschr. indukt. Abstamm., 1939, 76: 118–57.—**Graewe, H.** Die Schulleistungen von Zwillingen. Arch. Rassenb., 1940–41, 34: 62–9.—**Griffith, C. R.** The paradox of geneticism in psychology. Psychol. Rev., 1942, 49: 201–25.—**Hall, C. S.** The inheritance of emotionality. Sigma Xi Q., 1938, 26: 17–27.—**Heier, F.** Ueber Zusammenhänge von Begabung, Schulleistung und Geschwisterzahl in einem märkischen Landkreis. Arch. Rassenb., 1941–42, 35: 468–77.—**Himmelweit, H. T.** Intelligence and size of family; their relationship in an adult group of high educational standard. Eugen. Rev., Lond., 1948–49, 40: 77–84.—**Kirkpatrick, E. A.** The point of view of genetic psychology. J. Educ. Psychol., Balt., 1910, 1: 76–82.—**Kloimwieder, R.** Die Intelligenz in ihren Beziehungen zur Vererbung, Umwelt und Uebung. Zschr. menschl. Vererb., 1941–42, 25: 582–617. Also Zbl. allg. Path., 1943, 81: 181 (Abstr)—**L., G.** Le niveau mental des enfants et la profession de leurs parents. J. prat., Par., 1947, 61: 328–30.—**Loisel.** Recherches expérimentales sur l'hérédité des caractères psychiques. Rapp. Caisse rech. sc. (France) (1909) 1910, 89.—**Manaéine, M. de.** Sur l'hérédité psychique (observations sur des enfants). C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 545–8.—**Murphy, G.** A review of relevant research on the inheritance of mental traits. Eugen. News, 1947, 32: 41–4.—**Pickford, R. W.** The genetics of intelligence. J. Psychol., Provincet., 1949, 28: 129–45.—**Schachter & Cotte, S.** Le niveau mental des enfants et la profession de leurs parents. Arch. méd. sociale, 1947, 3: 165–70.—**Soeda, T.** Yūsyū-zi no kakei tyōsa. [Surveys of the lineage of superior children] Kōsei kagaku, 1943, 4: 56; passim.—**Thorndike, E. L.** The resemblance of siblings in intelligence-test scores. J. Genet. Psychol., 1944, 64: 265–7.—**Volkelt, H.** Abwehr eines Angriffes auf die genetische Ganzheitspsychologie. Arch. ges. Psychol., 1943, 112: 207–15.—**Williams, L. A.** How to collect data for studies in genetic psychology. Pedag. Seminary, Worcester, 1894–96, 3: 419–23.

—— History of research.

See also **Mind and body.**

La Forge, L. de. Tractatus de mente humana, ejus facultatibus & functionibus, nec non de eiusdem unione cum corpore, secundum principia Renati Descartes, emendatus ... per J. F. 247p. 20½cm. Amst., 1688.

Szymanski, J. S. Wandlungen der Seelenauffassung im Laufe der Zeiten. p.561–718. 23cm. Berl., 1931.

Arch. Psychiat., Berl., 1931, 94:

Patrick, G. T. W. The search for the soul in contemporary thought. Pop. Sc. Month., 1911, 78: 460–8.—**Strebel, J.** Ueber Willensfreiheit und Determination bez. Praedestination bei Paracelsus. Nova acta paracels., Basel, 1947, 4: 37–47.

—— Individuality.

Braun, H. Der überindividuelle Charakter des Psychischen. 58p. 8° Leipz., 1934.

Baker, H. J. The nature and extent of individual mental differences. Rev. Educ. Res., 1932, 2: 288–94.—**Barnes, H. E., & Teeters, N. K.** The nature of the mental life of the individual. In their New Horiz. Crim., N. Y., 1943, 238–41.—**Bryn, D.** The problem of human types; comments and an experiment. Character & Personality, 1936–37, 5: 48–60.—**Del Greco, F.** Intorno alla mente ed ai suoi tipi. Manicomio, 1905, 21: 321–42.—**Marshall, H. R.** Other men's minds. J. Philos., Lanc., 1918, 15: 627–31.—**Wisdom, J.** Other minds. Mind, Lond., 1940, 49: 369; 1941, 50: 1; passim.

—— infantile.

See also other subheadings (Ageing; Development; juvenile)

Debesse, M. Wallon, H.: Les origines de la pensée chez l'enfant [Bk Rev.] Rev. philos. France, 1947, 72: 100–7.—**Gilliland, A. R.** The measurement of the mentality of infants. Child Develop., 1948, 19: 155–8.—**Kobayasi, T.** Nyūyōzi no scisin hattatu to sono sidō [The mental development of nursing infants and its guidance] Zika sinryo, 1949, 12: 373; passim.—**Lungwitz, H.** Von der infantilen Denkweise. In his Entdeck. d. Seele, 5. Aufl., Berl., 1947, 189–217.—**Oliveira, H. de.** A

evolução da afetividade no lactente. Rev. med. Bahia, 1934, 2: 52–5.—**Pitfield, R. L.** Infantile thinking. Med. Rev. of Rev., 1932, 38: 63–76.—**Ross, H., & Johnson, A. M.** Psychiatric interpretation of the growth process; the earliest years. J. Social Casework, 1949, 30: 87–92.—**Schmideberg, M.** Methods of approach to the infant's mind, a study of his ego activities. Nerv. Child, 1947, 6: 278–83.

—— Integration.

See also **Mind and body,** Holistic.

WATT, H. J. The elements of experience and their integration; or modalism. p.127–204. 25cm. Lond., 1911.
Brit. J. Psychol., 1911, 4:

WENTSCHER, E. Das Ich als Seeleneinheit. p. 321–92. 23½cm. Lpz., 1936.
Arch. ges. Psychol., 1936, 97:

Rondelli, U. Sherrington e dell'integrazione mentale. Minerva med., Tor., 1948, 39: pt 2, Varia, 471.—**White, W. A.** The adjustments and unity of the organisms. Psyche, Lond., 1926, 7: No. 25, 5–18. ——— Man, the great integrator. Science, 1935, 81: 237–43.

—— Intellect.

See also next subheading; also **Intellect.**

Andreev, M., & Gurevich, M. Odarennost. In: Bolsh. med. encikl., 1932, 22: 98–104.—**Ferenczi, S.** Geburt des Intellekts. In his Bausteine z. Psychoanal., Lpz., 1927, 4: 250–2.—**Jones, L. W.** Present day theories of intellectual factors; general, group, and specific. Brit. J. Educ. Psychol., 1933, 3: 1–12.—**Kannabikh, J., & Lurija, A.** Intelekt. In: Bolsh. med. encikl., 1930, 11: 493–9.—**Lehman, H. C.** Young thinkers and great achievements. J. Genet. Psychol., 1949, 74: 245–71.—**Lurija, A.** Intelekt; ili intelektualnoe povedenie. In: Bolsh. med. encikl., 1930, 11: 494–9.—**Wright, H. W.** Intellect and the development of personality. Am. J. Psychol., 1944, 57: 371–88.

—— Intelligence [Abbrev.: I for intelligence and equivalents]

See also **Intelligence; Intelligence quotient.**

Ahumada Bustos, O. Reflexiones acerca de la I. Bol. educ. fís., Santiago (Chile) 1947–48, 14: 34–6.—**Chein, I.** On the nature of I. J. Gen. Psychol., 1945, 32: 111–26.—**Conrad, H. S.** Investigating and appraising I and other aptitudes. In: Meth. Psychol. (Andrews, T. G.) Chic., 1948, 498–538.—**Dacos, F.** L'I est-elle vitale? Acta physiother. rheumat. belg., 1948, 3: 124–39.—**Flugel, J. C.** An inquiry as to popular views on I and related topics. Brit. J. Educ. Psychol., 1947, 17: 140–52.—**Garrett, H. E.** A developmental theory of I. Am. Psychologist, 1946, 1: 372–8.—**Goddard, H. H.** A suggested definition of I. Am. J. Ment. Defic., 1945–46, 50: 245–50. Also Training School Bull., 1946–47, 43: 185–93. ——— What is I? J. Social Psychol., 1946, 24: 51–69.—**Gray, S. W.** The relation of individual variability to I. J. Educ. Psychol., 1944, 35: 201–10.—**Greene, K. B.** General intelligence and its measurement. Rev. Educ. Res., 1932, 2: 274–83.—**Guilford, J. P.** A note on the discovery of a G factor by means of Thurstone's centroid method of analysis. Psychometrika, Cincin., 1941, 6: 205–8.—**Jaspers, K.** Die I. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 180–7.—**Langer, W. L.** Scholarship and the I problem. Proc. Am. Philos. Soc., 1948, 92: 43–5.—**Loevinger, J.** On the proportional contributions of differences in nature and in nurture to differences in I. Psychol. Bull., 1943, 40: 725–56.—**Medeiros, M. de.** Biologia e I. Resenha méd., Rio, 1943, 10: 62–70.—**Meili, R.** Sur la nature des facteurs d'I. Acta psychol., Amst., 1949, 6: 40–58.—**Müller, K. V.** Bericht über die Begabtenuntersuchung Niedersachsens. Homo, Stuttg., 1949, 1: 136–42.—**Muller, P.** La psychologie de l'I, d'après le dernier livre de M. Jean Piaget. Schweiz. Zschr. Psychol., 1948, 7: 140–50.—**Muncie, W. S.** Intelligence. In his Psychobiology, S. Louis, 1939, 70–2.—**Murphy, G.** The freeing of I. Bull. Menninger Clin., 1946, 10: 47–55.—**Mysliveček, Soukup** [et al.] Debata o článku prof. Vondráčka, I a intelekt. Neur. & psychiat. česká 1947, 9: 199–210.—**Piaget, J., & Inhelder, B.** Diagnosis of mental operations and theory of the I. Am. J. Ment. Defic., 1946–47, 51: 401–6.—**Rimoldi, H. J. A.** Study of some factors related to I. Psychometrika, Colorado Springs, 1948, 13: 27–46.—**Ronge, A.** Intelligenzuntersuchungen an bayrischen jungen Männern aus Landwirtschaft und Handwerk. Zschr. menschl. Vererb., 1943–44, 27: 150–88.—**Schneider, E.** Begabung, I, Bildung. Schweiz. Zschr. Psychol., 1948, 7: 308.—**Smith, D. W.** Intelligence and fertility. Univ. Coll. Hosp. Mag., Lond., 1948, 33: 20–3.—**Spearman, C.** The factor theory and its troubles; uniqueness of G. J. Educ. Psychol., 1934, 25: 142–53.—**Stoddard, G. D.** New light on I. Proc. Iowa Acad. Sc., 1942, 49: 51–60.—**Thurstone, L. L.** Theories of I. Sc. Month., 1946, 62: 101–12.—**Vialle, L.** Le bovarysme. Rev. philos. France, 1942–43, 132: 111–28.—**Wechsler, D.** Cognitive, conative, and non-intellective I. Am. Psychologist, 1950, 5: 78–83.—**Weyr, F.** L'I surnormale considérée comme phénomène collectif. Bull. Inst. internat. statist., Haye, 1938, 28: 1. livr., 110.—**Wilbur, R. L.** Intelligence first. In his Human Hopes, Stanford Univ., 1940, 84–95.—**Zazzo, R.** Développement mental et types d'I. Gaz. méd. France, 1948, 55: 575–7.

—— Introspection.

See subheading (Self-knowledge)

—— juvenile.

See also subheadings (Ageing; Development; Maturity)

AMENT, W. The mind of the child; a comparative history of life. 78p. 20cm. N. Y., 1923.

BAUDOUIN, C. L'âme enfantine et la psychanalyse. 274p. 12° Neuchâtel, 1931.

—— [The same] The mind of the child; a psychoanalytical study. 282p. 8° Lond., 1933.

GRABER, G. H. The mental life of the child. 158p. 19cm. Lond., 1949.

HILDRETH, G. The child mind in evolution. 163p. 21½cm. N. Y., 1941.

ISAACS, S. S. Childhood and after; some essays and clinical studies. 245p. 22½cm. N. Y., 1949.

LUNGWITZ, H. Von der juvenilen Denkweise. p.217–72. 24½cm. Berl., 1947.
In his Entdeck. d. Seele, 5. Aufl.

RANSCHBURG, P. A gyermeki elme fejlődése és működése. 163p. 24cm. Budap., 1905.

RODRÍGUEZ MONTOYA, M. I. El desarrollo mental de los estudiantes varones de Lima, investigado mediante el test de series geométricas de Dunayevsky. p.34–92. 24½cm. Lima, 1949.
In: Bol. Inst. psicopedag. nac., Lima, 1949, 8:

SIMONSEN, K. M. *Examination of children from children's homes and day-nurseries by the Bühler-Hetzer developmental tests. 188p. 25cm. Kbh., 1947.

WALLON, H. L'évolution psychologique de l'enfant. 2. éd. 224p. 16cm. Par., 1947.

Bayley, N. Consistency and variability in the growth of intelligence from birth to 18 years. J. Genet. Psychol., 1949, 75: 165–96.—**Blumenfeld, W.** Nota sobre la relación entre la habilidad mental y la edad cronológica de los jovenes egresados de los colegios. Bol. Inst. psicopedag. nac., Lima, 1947, 6: 72–6.—**Brooks, F. D.** Mental development in adolescence. Rev. Educ. Res., 1936, 6: 85–101.—**Earle, F. M.** The significance of ability differences at eleven-plus. Occup. Psychol., Lond., 1947, 21: 193–202.—**Gray, J. S.** Psychology in child development. In his Psychol. Hum. Affairs, N. Y., 1946, 69–105.—**Harkavy-Katz, S.** The mental development of the child according to Gesell [Hebrew text] Harefuah Tel Aviv, 1949, 37: 156.—**Landquist, J.** Den psykiska utvecklingen under den senare barnaåldern och under brytningsåren. In: Skolhygien (Sweden Skolöverstyr.) Stockh., 1947, 278–310.—**Long, L., & Welch, L.** Reasoning ability in young children. J. Psychol., Provincet., 1941, 12: 21–44.—**Lurie, L. A.** The emotional life of the child. In: Princip. Child Care (Ohio Dep. Pub. Welf.) Columbus, 1941, 161–72.—**Odlum, D. M.** The emotional development of the adolescent. Health Educ. J., Lond., 1948, 6: 137–40.—**Sister M. Florence Louise.** Mental growth and development at the college level. J. Educ. Psychol., 1947, 38: 65–82.—**Skeels, H. M., & Harms, I.** Children with inferior social histories; their mental development in adoptive homes. J. Genet. Psychol., 1948, 72: 283–94.—**Thelander, H. E.** Childhood development patterns. J. Am. M. Women Ass., 1946, 1: 302.—**Thorndike, R. L.** Growth of intelligence during adolescence. J. Genet. Psychol., 1948, 72: 11–5.—**Vernon, P. E.** Changes in abilities from 14 to 20 years. Advance. Sc., Lond., 1948, 5: 138.

—— Limitations.

RHINE, J. B. The reach of the mind. 235p. 21½cm. N. Y., 1947.

Knehr, C. A. Intelligence as structural limitation and potential. J. Psychol., Provincet., 1950, 29: 165–71.—**McGeoch, J. A.** The vertical dimensions of mind. Psychol. Rev., 1936, 43: 107–29.—**Máday, S.** Anpassungsbreite und Begabung. In: Hughlings Jackson Mem. Vol., Debrecen, 1935, No. 48, 16p.—**Walker, H. F. B.** Limitations. S. Afr. M. J., 1938, 12: 307–10.

—— Manuals.

BUMKE, O. Gedanken über die Seele. 3. Aufl. 350p. 24½cm. Berl., 1942. ALSO 4. Aufl. 303p. 24½cm. Berl., 1948.

CANNON, A. Powers that be (The Mayfair lectures) 221p. 19½cm. N. Y., 1935.

GULICK, L. H. Mind and work. 201p. 19½cm. N. Y., 1908.

HALL, H. J. The untroubled mind. 96p. 17½cm. Bost., 1915.

JONES, F. W., & PORTEUS, S. D. The matrix of the mind. 424p. 8°. Lond., 1929.

JUNG, C. G. Wirklichkeit der Seele; Anwendungen und Fortschritte der neuren Psychologie. 409p. 20½cm. Zür., 1939.
Forms v.4, Psychol. Abh., Zür.

LORYEA, J. H. Is man a free agent? the law of suggestion, including hypnosis, what and why it is, and how to induce it; the law of nature, mind, heredity, etc. 248p. 23½cm. Lansing, 1902.

MACKENZIE, M. The human mind. 216p. 19cm. Phila., 1941.

MACTAGGART, M. Man, mind, and psychology. 83p. 19cm. Lond., 1940.

MAUDSLEY, H. Life in mind & conduct; studies of organic in human nature. 444p. 23cm. Lond., 1902.

MENNINGER, K. A. The human mind. 447p. 8°. N. Y., 1930. ALSO 2. ed. 504p. 8°. N. Y., 1937. ALSO 3. ed. 517p. 24cm. N. Y., 1945.

PODOLSKY, E. The thinking machine. 232p. 24cm. N. Y., 1947.

SCHILDER, P. Mind: perception and thought in their constructive aspects. 432p. 22cm. N. Y., 1942.

SUNDERLAND, L. Pathetism; man considered in respect to his form, life, sensation, soul, mind, spirit; giving the rationale of those laws which produce the mysteries, miseries, felicities, of human nature! 156p. 19cm. Bost., 1847.

TODD, M. E. The thinking body; a study of the balancing forces of dynamic man. 314p. 8°. N. Y., 1937.

VÖLGYESI, F. Minden a lélek. 2. kiad. 452p. 21cm. Budap., 1941.

Hadley, E. E. Zilboorg, G.: Mind, medicine, and man [Bk Rev.] Psychiatry, Balt., 1943, **6**: 328–31.

—— Maturity.

See also subheading (Development)

LUNGEWITZ, H. Von der maturen Denkweise. p.272–349. 24cm. Berl., 1947.
In his Entdeck. d. Seele, 5. Aufl.

Alexander, F. Emotional maturity. Ment. Health Bull., Danville. 1948, **26**: No. 5, 1–4.—**Clark, J. H.** An investigation of certain relationships between the California test of mental maturity and the Wechsler-Bellevue intelligence scale. J. Gen. Psychol., 1949, **41**: 21–5.—**Solomon, P.** Emotional maturity. Ann. West. M. & S., 1948, **2**: 12–5.—**Taylor, K. W.** Sequences of emotional growth. In: Marriage & Family (Hill, R., & Becker, H.) Bost., 1942, 461–4.—**Wendt, V. K.** Geistige Entfaltung und Reife. Umschau, 1944, **48**: 17–9.—**Wolters, A. W.** The concept of mental maturity. Nature, Lond., 1945, **156**: 494–6.—**Zuckerman, S. B.** On adult mental age. Interne, 1946, **12**: 738–41.

—— Measurement.

See also **Mental test.**

GARRETT, H. E., & ANASTASI, A. The tetrad-difference criterion and the measurement of mental traits. p.231–81. 8°. N. Y., 1932.
Ann. N. York Acad. Sc., 1932, **33**:

KELLEY, T. L. Essential traits of mental life; the purposes and principles underlying the selection and measurement of independent mental factors, together with computational tables. 145p. 8°. Cambr., 1935.

LOEVINGER, J. A systematic approach to the construction and evaluation of tests of ability. 49p. 25½cm. Wash., 1947.
Forms No. 4, v.61 (or, No. 285) Psychol. Monogr.

SCHNECK, M. M. R. *The measurement of verbal and numerical abilities [Columbia] 49p. 24½cm. N. Y., 1929.
Forms No. 107, Arch. Psychol., N. Y.

Altus, W. D. A note on group differences in intelligence and the type of test employed. J. Consult. Psychol., 1948, **12**: 194.—**Berry, M. F., & Eisenson, J.** Determining mental ability. In their Defect. Speech, N. Y., 1942, 84–6.—**Davis, W. A., & Havighurst, R. J.** The measurement of mental systems; can intelligence be measured? Sc. Month., 1948, **66**: 301–16.—**De Rosa, G.** Criteri per la valuazione del grado d'intelligenza negli animali e nell'uomo. Gazz. san., 1949, **20**: 344–7.—**Donders.** Instruments servant à mesurer la vitesse des perceptions et de la pensée. Année sc. indust., Par. (1869) 1870, **14**: 464–6.—**Herring, J. P.** The measurement of mental growth. J. Educ. Psychol., 1940, **31**: 686–92.—**Leverett, H. M.** The mind we measure and its dimensions. Philos. of Sc., Balt., 1948, **15**: 39–46.—**Menninger, K. A.** Intelligence measurement. In his Human Mind, N. Y., 1937, 175–8.—**Padalino, F.** Unità di misura ψ (psi) e metriche dell'intelligenza. Rass. stud. psichiat., 1949, **38**: 475–83.—**Peterson, F.** Le galvanomètre comme appareil de mesure des émotions. Ann. électrob., Lille, 1908, **11**: 454–8.—**Raven, J. C.** The comparative assessment of intellectual ability. Brit. J. Psychol., 1948–49, **39**: 12–9.—**Slater, P.** Comment on the comparative assessment of intellectual ability. Ibid., 20.—**Stern, E.** Zur Prüfung des Denkvermögens an Bildern. Berl. klin. Wschr., 1919, **56**: 609.—**Vernon, P. E.** Intelligence test sophistication. Brit. J. Educ. Psychol., 1938, **8**: 237–44. ——— Recent developments in the measurement of intelligence and special abilities. Brit. M. Bull., 1949, **6**: 21–3.—**Vieregge, C.** Prüfung der Merkfähigkeit Gesunder und Geisteskranker mit einfachen Zahlen. Allg. Zschr. Psychiat., 1908, **65**: 207–39.—**Vladyćko, S. D.** Tablica geometrićeskikh figur dlja izsledovanija processa sosredotoćenija resp. aktivnago vnimanija u nervno- i duševnobolnykh. Vest. psikhol., krim. antrop. & pedol., 1912, **8**: No. 1, 73–7.—**Voelker, P. H.** The use of a rating scale as a technique for evaluating the growth of certain social habits and attitudes in mentally defective children in the public school system. Am. J. Ment. Defic., 1944–45, **49**: 316–8.

—— Mechanisms.

See also other subheadings (Activity; Functions) also **Mind and body.**

DELACROIX, H. Les opérations intellectuelles. p.85–142. 24½cm. Par., 1936.
In: Nouv. tr. psychol., Par., 1936, **5**:

Baker, E. F. Mental mechanisms. Pub. Health News, Trenton, 1935, **19**: 543–550.—**Blondel, C.** L'activité automatique et l'activité synthétique. In: Nouv. tr. psychol., Par., 1934, **4**: 341–85.—**Döllken.** Mechanismen im Gehirn einseitig begabter Menschen. Zschr. ges. Neur. Psychiat., 1937, **157**: 323–57.—**Houloose, J.** Normal and abnormal mental mechanism. Physiother. Rev., 1936, **16**: 144–7.—**Irish, C. W.** Mental mechanisms. Southwest J. M. & S., 1934, **18**: 164–8.—**Paquién, G.** Las defensas de nuestra mente. Rev. Cruz roja colomb., 1946, **19**: 69–72.

—— Memory.

See **Memory.**

—— Modifiers.

See also other subheadings; also **Mind and body.**

MACHOVER, S. *Cultural and racial variations in patterns of intellect; performance of Negro and white criminals on the Bellevue adult intelligence scale. 91p. 23cm. N. Y., 1943.

Groot, A. D. de. Oorlogsinvloeden op het intelligentieniveau van de jeud. Ned. tschr. psychol., 1946, **1**: 80–7.—**Havighurst, R. J., & Breese, F. H.** Relation between ability and social status in a midwestern community; primary mental abilities. J. Educ. Psychol., 1947, **38**: 241–7.—**Kirihara, Y.** Rōdō-sya zldō no tinō ni tuite [The mental capacity of the children of laborers] Neurologia, Tokyo, 1925, **25**: 232.—**Kobler, F. J.** Cultural differentials in intelligence. J. Social Psychol., 1943, **18**: 279–303.—**Linton, R.** The effects of culture on mental and emotional processes. Proc. Ass. Res. Nerv. Ment. Dis. (1938) 1939, **19**: 293–304.—**West, W. F.** The influence of heredity, training and environment on mentality. Texas State J. M., 1906, **1**: 230.

—— Motives and values.

GARNETT, A. C. The mind in action; a study of motives and values. 226p. 8°. N. Y., 1932.

Hall, J. K. What moves man? North Carolina M. J., 1940, **1**: 523–9.—**Howe, E. G.** Motives and mechanisms of the mind. Lancet, Lond., 1931, **1**: 36; passim.—**Matthias, E.** Untersuchungen zum Schwierigkeitsgesetz der Motivation; ein experimenteller Beitrag zur Willenspsychologie. Arch. ges. Psychol., 1936, **95**: 301–46.

—— **Natural history.**

Bleuler, P. E. Naturgeschichte der Seele und ihres Bewusstwerdens; eine Elementarpsychologie. 343p. 25cm. Berl., 1921.

—— Naturgeschichte der Seele und ihres Bewusstwerdens; mnemistische Biopsychologie. 2. Aufl. 268p. 8° Berl., 1932.

Ritchie, A. D. The natural history of mind. 286p. 8° Lond., 1936.

—— **normal.**

See also subheading (Abnormality; Sanity)

Burnham, W. H. The normal mind. Pedag. Semin., Worcester, 1922, **29**: 383–99.—**Darrah, L. W.** The difficulties of being normal. J. Nerv. Ment. Dis., 1939, **90**: 730–7.—**Edwards, A. S.** A theoretical and clinical study of so-called normality. J. Abnorm. Psychol., 1934, **28**: 366–76.—**Jones, E.** The concept of a normal mind. Internat. J. Psychoanal., Lond., 1942, **23**: 1–8.—**Rossi, A. R.** Ficha psíquica de normalidad. In: Trat. biotipol. (Rossi, A. R.) B. Air., 1944, **3**: [692–704]—**Tredgold, A. F.** The normal mind. In his Textb. Ment. Defic., 7. ed., Balt., 1947, 66–84.

—— **Organization.**

See also other subheadings (Integration; Structure)

Asch, S. E. A study of change in mental organization. 30p. 24½cm. N. Y., 1936.
Forms No. 195, Arch. Psychol., N. Y.

Hertzman, M. The effects of the relative difficulty of mental tests on patterns of mental organization. 69p. 24½cm. N. Y., 1936.
Forms No. 197, Arch. Psychol., N. Y.

Reichard, S. Mental organization and age level. 30p. 25½cm. N. Y., 1944.

Bleuler, P. E. A priori und a posteriori, Organisation und Erfahrung. In his Naturgesch. d. Seele, Berl., 1921, 227–9.—**Thurstone, L. L.** Shifty and mathematical components; a critique of Anastasi's monograph on the influence of specific experience upon mental organization. Psychol. Bull., 1938. **35**: 223–36.

—— **Pathology.**

See also **Mind and body** subheadings (Psychosomatic disease; Psychosomatic medicine)

Baruk, H. Les troubles de la contention de la pensée intérieure. p.507–85. 25cm. Par., 1938.
In his Psichiat. méd. physiol. exp.

Borel, J. Le déséquilibre psychique; ses psychoses, sa morale. 378p. 22½cm. Par., 1947.

Bromberg, W. The mind of man; the story of man's conquest of mental illness. 323p. 8° N. Y., 1937.

Clouston, S. T. S. Unsoundness of mind. 360p. 8° N. Y., 1911.

Delgado Espinosa, H. F. Psicología general y psicopatología de la voluntad. p.1–61. 25cm. Lima, 1939.
In: Rev. neur. psiquiat., Lima, 1939, **2**:

Domarus, E. von. Das Denken und seine krankhaften Störungen. p.369–456. 25cm. Lpz., 1929.
Forms No. 8, v.**25**, Würzb. Abh. Med.

Howden, R. A. The mind in conflict; a simple explanation of how modern psychology sets out to solve nervous difficulties and problems. 83p. 16° Lond., 1931.

Krauch, E. A mind restored; the story of Jim Curran. 242p. 8° N. Y., 1937.

Moore, T. V. The driving forces of human nature and their adjustment; an introduction to the psychology and psychopathology of emotional behavior and volitional control. 461p. 23½cm. N. Y., 1948.

Muller, F. P. *Denken, streven en werkelijkheid; onderzoekingen op het gebied der psychopathologie. 224p. 8° Leiden, 1919.

Ribot, T. A. Les maladies de la volonté. 11. éd. 184p. 18½cm. Par., 1896.

Roberts, H., & Jackson, M. N. The troubled mind; a general account of the human mind and its disorders and their remedies. 284p. 8° Lond., 1938.

Schmalhausen, S. D. The mind's pathology. p.259–93. 22½cm. N. Y., 1929.
In his Our Changing Hum. Nat., N. Y., 1929.

Stoddart, W. H. B. Mind and its disorders; a text-book for students and practitioners. 2. ed. 518p. 22cm. Phila., 1912. Also 5. ed. 593p. 8° Lond., 1926.

Stolz, K. R. Tricks our minds play on us. 252p. 20cm. Nashville, 1939.

Berry, R. J. A. Some modern views of the human mind and its disorders. Eugen. Rev., Lond., 1934, **26**: 127–32.—**Berze, J.** Der Vernunftbegriff in der Psychiatrie. Wien. Zschr. Nervenh., 1947–48, **1**: 19–33.—**Birenbaum, G. V., & Zeigarnik, B. V.** [Dynamic analysis of disorders of the reasoning faculty] Sovet. nevropat., 1935, **4**: No. 6, 75–98.—**Blondel, C.** The morbid mind. Psyche, Lond., 1926, **7**: 73–86.—**Bromberg, W.** Emotional immaturity and antisocial behavior. J. Clin. Psychopath., 1946–47, **8**: 423–52.—**Brown, L. G.** Disorders of emotions. In his Social Path., N. Y., 1942, 221–36.—**Brown, W.** Mental unity and mental dissociation. Brit. J. Psychol., 1927–28, **18**: Sec. Gen., pt 3, 237–48. Also Rep. Brit. Ass. Advance. Sc., 1927, **95**: 167–75.—**Burlingame, C. C.** Is there mental disease per se? J. Missouri M. Ass., 1948, **45**: 742–7.—**Burstin, J.** Pensée affective et psychopathologie. Ann. méd. psychol., Par., 1939, **97**: pt 2, 382; 495; 557.—**De Buck, D.** De gemoedsstemming, hare normale en pathologische schommelingen en veranderingen. Med. wbl., Amst., 1901–05, **11**: 609; 621.—**Delgado, H.** Psicología y psicopatología de la conciencia del yo. An. Inst. psicol. B. Aires, 1938, **2**: 135–76.—**Deutsch, H.** Some forms of emotional disturbance and their relationship to schizophrenia. Psychoanal. Q., 1942, **11**: 301–21.—**Dreikurs, R.** Psychological differentiation of psychopathological disorders. Individ. Psychol. Bull., 1944–45, **4**: 35–48.—**Egsgaard, J., Martensen-Larsen, O., & Ostenfeld, I.** Emotional disorders affectible by convulsion therapy. Acta psychiat. neur., Kbh., 1947, Suppl. 47, 443–50.—**Ferraz Alvim, J.** Estudo sobre a psicologia normal e patológica da emoção. Rev. neur. psiquiat. S. Paulo, 1941, **7**: 119–29.—**Freiman, I. S., & Lemkau, P. V.** Organic thinking difficulty. J. Nerv. Ment. Dis., 1946, **103**: 239–47.—**Gemelli, A.** Orienting concepts in the study of affective states. Ibid., 1949, **110**: 198; 299.—**Gutheil, E. A.** On the margin. Am. J. Psychother., 1949, **3**: 430–3.—**Hoit, R. R.** Effects of ego-involvement upon levels of aspiration. Psychiatry, 1945, **8**: 299–317.—**Jaspers, K.** Psychopathologie des Geistes. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 609–13.—**Kennedy, F.** The biopsychic approach to diseases of the mind; its dependence on neurology and general medicine. Bull. Linn Co. M. Soc., 1934–35, **3**: No. 5, 3–6. Also N. England J. M., 1936, **214**: 1095–8.—**Kleist, K.** Störungen des Denkens und ihre hirnpathologischen Grundlagen (paralogische und alogische Denkstörung) In: Gegenwartsprobl. psych. neur. Forsch. (Roggenbau, C. H.) 1939, 72–87.—**Klimes, K.** Zur Frage des Lautwerdens der Gedanken. Arch. Psychiat., Berl., 1941–42, **114**: 358–65.—**Lament** for the sick mind. Pilot, Evanston, 1939–40, **4**: No. 12, 7–9.—**Liber, B.** Elusive mental cases; indecision. N. York State J. M., 1949, **49**: 1167–9.—**Lindworsky, J.** Die Willensdefekte vom Standpunkt der Normalpsychologie. Ber. Kongr. Heilpädag., 1923, **1**: 45–61.—**Livni, S.** Emotional immaturity. S. Afr. M. J., 1945, **19**: 357–9.—**Maier, B.** Ueber Haltlosigkeit. Zbl. Psychother., 1933, **6**: 83–8.—**Menninger, K. A.** Deficient emotion. In his Human Mind, N. Y., 1937, 193–6. ——— Deficient volition. Ibid., 197. ——— Excessive intellection. Ibid., 199–201. ——— Excessive volition. Ibid., 212–5. ——— Distorted intellection. Ibid., 223–47. ——— Distorted emotion. Ibid., 249–59. ——— Distorted volition. Ibid., 259–64.—**Miller, R. S.** Contributions to the psychopathology of everyday life; their relation to abnormal mental phenomena. Psychoanal. Rev. N. Y., 1914–15, **2**: 121–51.—**Moor, P.** Halt und Haltschwäche; eine heilpädagogische Betrachtung. Schweiz. Zschr. Psychol., 1942, **1**: 36–50.—**Moore, T. V.** Consciousness and its impairment. In his Cognit. Psychol., Chic., 1939, 3–10. ——— The pathology of voluntary action. In his Driving Forces of Human Nature, N. Y., 1948, 373–87.—**Obiglio, J. R.** La emoción violenta patológica. Rev. psiquiat. crim., B. Air., 1942, **7**: 265–80.—**Osipov, V. P.** [The origin of affective states] Nevropat. psikhiat., 1941, **10**: No. 3, 7–10.—**Rashkis, H. A.** Three types of thinking disorder; an investigation of the behavior on special tests of schizophrenics, general paretics and cerebral arteriosclerotics. J. Nerv. Ment. Dis., 1947, **106**: 650–70.—**Remsen, D. B.** Emotional immaturity as a problem in general practice. Rec. Columbia M. Soc. Richland Co., 1945, **9**: No. 9, 7–9.—**Richtzenhain.** Der psychisch kranke Mensch als philosophisches Problem. Psychiat. neur. Wschr., 1930, **32**: 62–4.—**Roenau, E.** Phänomenologie und Pathologie des Willens. Zschr. ges. Neur. Psychiat., 1937, **157**: 676–97.—**Rosenthal, G.** La cérébrasthénie auditive somnifère et l'hypoglycémie d'accès. J. prat., Par., 1949, **63**: 459.—**Schlager.**

Krankhafte Störung der Geistestätigkeit. Münch. med. Wschr., 1940, **87**: 1195.—**Stekel, W.** Homens 50% (transl.) Rev. brasil. med., 1949, **6**: 142–4.—**Thompson, J. W.** Fatigue and mental illness. In: Ment. Health (Am. Ass. Advance. Sc.) Lancaster, 1939, 100–3.—**Tucker, B. R.** Emotional illness: pathways, manifestations, and treatment. Dis. Nerv. Syst., 1940, **1**: 168–74.—**Welch, L., & Long, L.** Psychopathological defects in inductive reasoning. J. Psychol., Provincet., 1946, **21**: 201–25.—**Wertham, F.** The shadow of madness. In his Show of Violence, N. Y., 1949, 21–37.—**Wieman, R. W.** Dispelling emotional crises through extensionalization. Papers Am. Congr. Gen. Semantics (1941) 1942, 2. Congr., 293–9.

—— Periodicity.

Fryer, D. Conscious activity in co-ordination of repetitive mental work and rhythmic timing. Brit. J. Psychol., 1937–38, **28**: 150–66.—**Janet, P.** Les oscillations du niveau mental. Atti Congr. internaz. psicol. (1905) 1906, **5**: 110–26. ——— Les oscillations de l'activité mentale. J. psychol. norm. path., Par., 1921, **18**: 140–5.—**Philpott, S. J. F.** The curve of fluctuation in mental output and the curve of numbers of factors in the natural numbers. Brit. J. Psychol., 1948–49, **39**: 123–41.—**Ruediger, W. C.** The period of mental reconstruction. Am. J. Psychol., 1907, **18**: 353–70.—**Sterzinger, O.** Rhythmen der seelischen Energie. Zschr. Menschenk., 1927–28, **3**: H. 1, 25–32.—**Wachsmuth, G.** Die Bedeutung des Rhythmus für das geistig-seelische Leben des Menschen. In his Erde & Mensch, Kreuzlingen, 1945, 476–82.

—— Personality and character aspect.

See **Mind and body**; also **Character.**

—— Physiology.

Carpenter, W. B. Principles of mental physiology. 4. ed. 737p. 20½cm. N. Y., 1886.

Korzybski, A. On the foundation of psychophysiology. p.313–65. 8° N. Y., 1941.
In his Science & Sanity, 2. ed.

Fryer, D. Variability in automatic mental performance with uniform intent. J. Appl. Psychol., 1937, **21**: 528–45.—**Korzybski, A.** On the mechanism of identification and visualization. In his Science & Sanity, 2. ed., N. Y., 1941, 452–68.—**Logre, B. J.** Psycho-physiologie. In: Traité physiol. norm. path. (Roger, G. H. & Binet, L.) Par., 1935, **10**: 1–37.—**Roussy, G.** Les cheminements de la psycho-physiologie; l'instinct et l'intelligence. Presse méd., 1942, **50**: 285. ——— Sur les chemins de la psycho-physiologie avec Henri Roger. Ibid., 1946, **54**: 381.—**Scheiner, E.** La fisiologia dei processi psichici. Riv. pat. nerv., 1927, **32**: 349–68.—**Ursan, G.** Contribuţiuni ruseşti, de concepţie materialistă, in psihofiziologie. Ardeal. med., Cluj., 1948, **8**: 204–10.

—— prenatal.

See also subheading (Development)

Darlington, H. S. The problem of pre-natal mentation. Psychoanal. Rev., 1945, **32**: 319–24.

—— primitive.

See also **Man,** primitive.

Aldrich, C. R. The primitive mind and modern civilization. 249p. 8° Lond., 1931.

Allier, R. S. P. [Le noncivilisé et nous] The mind of the savage. 301p. 23cm. N. Y., 1929.

Boas, F. The mind of primitive man. 2. ed. 285p. 8° N. Y., 1938.

Fribourg-Blanc, A. L'état mental des indigènes de l'Afrique du nord et leurs réactions psychopathiques. Hyg. ment., Par., 1927, **22**: 135–44.—**Lahy, B.** Mesure de l'intelligence pratique des membres d'une tribu berbère du Moyen-Atlas. J. psychol. norm. path., Par., 1940–41, **37**: 364–411.—**Lévy-Valensi, J.** Mentalité primitive et psychopathologie. Ann. méd. psychol., Par., 1934, **92**: 676–701.—**Lorand, S.** The primitive mind. Insight, N. Y., 1941–42, **8**: 5–8.—**Thurnwald, R.** Der kulturelle Hintergrund primitiven Denkens. Rapp. Congr. internat. psychol. (1937) 1938, **11**. Congr., 184–95.—**Winnicott, D. W.** Primitive emotional development. Internat. J. Psychoanal., Lond., 1945, **26**: 137–43. Also Spanish transl., Rev. psicoanál., B. Air., 1947–48, **5**: 1003–18.

—— Racial aspect.

See also under names of racial groups.

Klineberg, O. Tests of Negro intelligence. p.25–96. 24cm. N. Y., 1944.
In his Charact. Am. Negro.

Alper, T. G., & Boring, E. G. Intelligence-test scores of northern and southern white and Negro recruits in 1918. J. Abnorm. Psychol., 1944, **39**: 471–4.—**Avebury, J. L.** Mental differences in different races. In his Orig. of Civilis., 5. ed., Lond., 1889, 501.—**Bañuelos García, M.** Bosquejo de las cualidades psicológicas de la raza nórdica. In his Antrop. actual españ., Barcel., 1941, 36–48, illust. ——— Bosquejo de las cualidades psicológicas de la raza eurásica mediterránea o del Oeste de Europa. Ibid., 55–74, illust. ——— Caracteres psicológicos de la raza dálica. Ibid., 81–7, illust. ——— Caracteres psicológicos de los judíos. Ibid., 125–30.—**Bossano, L.** Raza e inteligencia. Rev. mex. sociol., 1944, **6**: 275–82.—**Brown, F.** A comparative study of the intelligence of Jewish and Scandinavian kindergarten children. J. Genet. Psychol., 1944, **64**: 67–92.—**Garrett, H. E.** A note on the intelligence scores of Negroes and whites in 1918. J. Abnorm. Psychol., 1945, **40**: 344–6. ——— Negro-white differences in mental ability in the United States. Sc. Month., 1947, **65**: 329–33.—**Havighurst, R. J., & Hilkevitch, R. R.** The intelligence of Indian children as measured by a performance scale. J. Abnorm. Psychol., 1944, **39**: 419–33.—**Hunt, W. A.** Negro-white differences in intelligence in World War II; a note of caution. Ibid., 1947, **42**: 254.—**Lall, S.** Distribution of intelligence in U. P., India. Brit. J. Educ. Psychol., 1944, **14**: 95–8.—**Livesay, T. M.** The relation of economic status to intelligence and to the racial derivation of high school seniors in Hawaii. Am. J. Psychol., 1944, **57**: 77–82.—**Montagu, A. F., & Pasamanick, B.** Racial intelligence. Sc. Month., 1948, **66**: 81.—**Stratton, G. M., & Henry, F. M.** Emotion in Chinese, Japanese, and whites; racial and national difference and likeness in physiological reactions to an emotional stimulus. Am. J. Psychol., 1943, **56**: 161–80.—**Swift, E. J.** The racial brain and education. In his Mind in the Making, N. Y., 1909, 219–38.

—— Reasoning [Abbrev.: R for reasoning]

See also other subheadings (Thinking; Thought)

Roberts, H. Mind and reason. p.121–90. 8° Lond., 1936.
In his Euthanasia.

Fletcher, J. M. The wisdom of the mind. Sigma Xi Q., 1938, **26**: 6–16.—**Lefford, A.** The influence of emotional subject matter on logical R. J. Gen. Psychol., 1946, **34**: 127–51.—**Pillsbury, W. B.** Recent naturalistic theories of R. Scientia, Bologna, 1924, 2. ser., **36**: 23–32.—**Segond, J.** Le R et l'activité intentionnelle de l'esprit. J. psychol. norm. path., Par., 1925, **22**: 817–34.—**Welch, L., & Diethelm, O.** Experiments on the psychology of R. J. Nerv. Ment. Dis., 1948, **108**: 74.

—— Research studies.

See also **Mind and body.**

Simoneit, M. Willenshemmung und Assoziation, ein experimenteller Beitrag zur Untersuchung des assoziativen Aequivalents der Determination. p.161–235. 23½cm. Lpz., 1926.
Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1926, **100**:

Skawran, P. R. Experimentelle Untersuchungen über den Willen bei Wahlhandlungen. p.95–162. 23cm. Lpz., 1927.
Arch. ges. Psychol., 1927, **58**:

Tullio, P. I riflessi orientativi nello studio delle attività mentali. 173p. 25cm. Bologna, 1938.

Abramowski, E. Etudes expérimentales sur la volonté. J. psychol. norm. path., Par., 1915, **12**: 89.—**Babák, E.** K methodice srovnávací fysiologie smyslové. Lék. rozhledy, 1913, **20**: 545–7.—**Banissoni, F.** Contributo alla psicologia sperimentale della volontà. Arch. ital. psicol., 1926, **5**: 15–8.—**Chrisof, C.** The formulation and elaboration of thought-problems; an experimental study of thinking. Abstr. Theses Cornell Univ. (1938) 1939, 232–4.—**Ekehorn, G.** Methodical remarks. Acta med. scand., 1949, Suppl. 231, 444–68.—**Electrograms** of identical twins. Science, 1936, **83**: 11.—**Gesell, A.** Scientific approaches to the study of the human mind. Ibid., 1938, **88**: 225–30.—**Gibson, E. J., & McGarvey, H. R.** Experimental studies of throught and reasoning. Psychol. Bull., 1937, **34**: 327–50.—**Pratt, C. C.** Experimental studies of thought and reasoning. Ibid., 1928, **25**: 550–61.—**Schulze, E.** Die Anpassung eines Willensimpulses an eine Verzögerung seines Effektes und ihre Prüfung durch die Herstellung einer Vergleichszeitstrecke. Arch. ges. Psychol., 1923, **44**: 1–50.

—— Sanity.

See also subheading (normal) also **Insanity.**

Langdon, F. W. Mind, sound and unsound. 12p. 24cm. Cincin., 1908.

Myers, A. How sane are you? 143p. 23cm. N. Y., 1948.

Lenggenhager, J. Vom geistigen Gesundsein. Volksgesundheit, Bern, 1947, **40**: 155; 195.—**Werne, B.** Sanity. In: Law of Exp. Testim. (Rogers, H. W.) 3. ed., Alb., 1941, 32–4.

—— Self-knowledge.

MENNINGER, W. C. Understanding yourself. 3. print. 53p. 21½cm. Chic., 1949.

POTTS, J. Know thyself; a study in mental qualities. 267p. 8° Phila., 1935.

STRECKER, E. A., & APPEL, K. E. Discovering ourselves; a view of the human mind and how it works. 306p. 8° N. Y., 1931.

Bertocci, P. A. The psychological self, the ego, and personality. Psychol. Rev., 1945, **52:** 91–9.—**Chein, I.** The awareness of self and the structure of the ego. Ibid., 1944, **51:** 304–14.—**Ducasse, C. J.** Introspection, mental acts, and sensa. Mind, Lond., 1936, **45:** 181–92.—**Lundholm, H.** Reflections upon the nature of the psychological self. Psychol. Rev., 1940, **47:** 110–26.—**Mauss, M.** Une catégorie de l'esprit humain; la notion de personne, celle de Moi. J. R. Anthrop. Inst. Gr. Britain, 1938, **68:** 263–81.—**Parcheminey, G.** L'homme à la découverte de son âme, de C. G. Jung. Evolut. psychiat., Par., 1948, 147–50.—**Perry, R. B.** The mind's familiarity with itself. J. Philos., Lanc., 1909, **6:** 113–22.

—— Sets.

See also other subheadings (Integration; Measurement; Organization)

Rees, H. J., & Israel, H. E. An investigation of the establishment and operation of mental sets. Psychol. Monogr., Princeton, 1934–35, **46:** 1–26.—**Siipola, E. M.** A group study of some effects of preparatory set. Ibid., 27–38.—**Thorndike, E. L.** New data on the influence of frequency and of mind set. J. Exp. Psychol., 1949, **39:** 395–403.

—— Sex differences.

ALLEN, C. N. Individual differences in delayed reaction of infants; a study of sex differences in early retentiveness. 40p. 24½cm. N. Y., 1931.
Forms No. 127, Arch. Psychol., N. Y.

TERMAN, L. M., JOHNSON, W. B. [et al.] Psychological sex differences. p.954–1000. 22cm. N. Y., 1946.
In: Manual Child Psychol. (Carmichael, L.)

Book, W. F., & Meadows, J. L. Sex differences in 5925 high school seniors in ten psychological tests. J. Appl. Psychol., 1928–29, **12:** 56–81.—**Brachfeld, F. O.** Is woman less intelligent than man? Individ. Psychol. Bull., 1946, **5:** 87–9.—**Bramwell, B. S.** A note on the intellectual differences of the sexes. Eugen. Rev., Lond., 1941–42, **33:** 44–8.—**Burt, C.** The mental differences between the sexes. Rep. Brit. Ass. Advance. Sc. 1913, Lond., 1914, 750.—**Cockerell, T. D. A.** The relative ability of men and women. J. Hered., Wash., 1934, **25:** 163.—**Dillon, M.** Mind; masculine and feminine. In his Self, Lond., 1946, 98–110.—**Ehrenstein, W.** Die psychischen Geschlechtsunterschiede. Umschau, 1927, **31:** 621–5.—**Hartmann, G. W.** Sex differences in valuation attitudes. J. Social Psychol., 1934, **5:** 106–12.—**Johnson, W. B., & Terman, L. M.** Some highlights in the literature of psychological sex differences published since 1920. J. Psychol., Provincet., 1940, **9:** 327–36.—**Klineberg, O.** Sex differences. In his Social Psychol., N. Y., 1940, 265–81.—**Lewis, W. D.** Sex distribution of intelligence among inferior and superior children. J. Genet. Psychol., 1945, **67:** 67–75.—**Newman, M., & Scheffler, I.** Sex difference in emotional reaction to the news. J. Abnorm. Psychol., 1947, **42:** 476–9.—**Pauli, R.** Zur Psychologie der Geschlechter. Arch. ges. Psychol., 1928, **66:** 117–54.—**Porter, J. P.** Emotional sex differences in college freshmen as indicated by accumulative error scores and comparable measures. C. rend. Conf. internat. psychotechn. (1927) 1929, **4.** Conf., 544.—**Roberts, J. A. F.** On the difference between the sexes in dispersion of intelligence. Brit. M. J., 1945, **1:** 727–30.—**Sarcy, I.** A inteligência do homem e a da mulher. Impr. méd., Rio, 1943, **18:** No. 355, 122–4.—**Schmidberger, G.** Ueber Geschlechtsunterschiede in der Rechenbegabung; eine experimentelle Untersuchung an 8 bis 14 jährigen Volksschulkindern aus Koinstruktionsklassen. Zschr. pädag. Psychol., 1932, **33:** 70; 140.—**Searl, M. N.** A note on the relation between physical and psychical differences in boys and girls. Internat. J. Psychoanal., Lond.. 1938, **19:** 50–62.—**Skaggs, E. B.** Sex differences in feeling and emotional disposition in a university population. J. Social Psychol., 1942, **16:** 21–7.—**Werner, T. A.** Sexes in dispersion of intelligence. Brit. M. J., 1945, **1:** 887.—**Zazzo, R.** Première contribution des psychologues scolaires à la psychologie différentielle des sexes. Enfance, Par., 1948, **1:** 168–75.

—— Sociological aspect.

See also subheading (Modifiers)

Bartlett, F. C. Intelligence as a social problem. J. Ment. Sc., Lond., 1947, **93:** 1–8.—**Blackburn, J.** Influenee of the social environment on intelligence test scores. Biol. Human Affairs, Lond., 1947–48, **13:** 171–9.—**Burt, C.** Ability and income. Brit. J. Educ. Psychol., 1943, **13:** 83–98.—**Havighurst, R. J., & Janke, L. L.** Relations between ability and social status in a midwestern community; 10-year-old children. J. Educ. Psychol., 1944, **35:** 357–68.—**Osborn, R. C.** How is intellectual performance related to social and economie background. Ibid., 1943, **34:** 215–28.—**Richardson, H. M.** Studies of mental resemblance between husbands and wives and between friends. Psychol. Bull., 1939, **36:** 104–20.

—— Structure.

See also subheadings (Integration; Organization)

GENGERELLI, J. A. The structure of mental capacities. p.193–267. 24cm. Berkeley, 1939.
In: Pub. Univ. California at Los Ang. in Educ., Philos., & Psychol., 1939, **1:** No. 15.

Burt, C. The structure of the mind; a review of the results of factor analysis. Brit. J. Educ. Psychol., 1949, **19:** 100; passim.—**Glover, E.** Basic mental concepts; their clinical and theoretical value. Psychoanal. Q., 1947, **16:** 482–506.—**Jung, C. G.** Ueber den Archetypus. Zbl. Psychother., 1936, **9:** 259–74.—**Kranefeldt, W. M.** Ueber zwei Arten archetypischer Zuordnung. Ibid., 322–34.—**Oppenheimer, O.** The structure of the mind. J. Gen. Psychol., 1949, **40:** 247–59.—**Piaget, J.** Les trois structures fondamentales de la vie psychique: rhythme, régulation et groupement. Schweiz. Zschr. Psychol., 1942, **1:** 9–21.—**Schultz-Henke, H.** Ueber die Archetypen. Zbl. Psychother., 1936, **9:** 335–43.

—— Subconscious [Abbrev.: S for subconscious and equivalents; U for Unterbewusst and Unterbewusstsein]

See also subheading (Unconscious)

CARNCROSS, H. L. The escape from the primitive. 348p. 21cm. N. Y., 1926.

JASTROW, J. The subconscious. 550p. 21cm. Bost., 1906.

WALDSTEIN, L. The S self and its relation to education and health. New ed. 171p. 20cm. N. Y., 1926.

WALLON, H. La conscience et la vie S. 38p. 25½cm. Par., 1942.

Abramowski, E. Dissociation et transformation du S normal. Rev. psychol., Brux., 1910, **3:** 63; 187.—**Airapetianc, E. S., & Bykov, K. M.** [The doctrine of interoreception and the psychology of the S] Usp. sovrem. biol., 1942, **15:** 273–82.—**Astvacaturov, M. I.** [Nature of the S in neurology] Priroda, 1935, **24:** 71–80.—**Baerwald, R.** Das U als Mitarbeiter des Psychologen. Psychol. & Med., Stuttg., 1925–26, **1:** 248–51.—**Baruk, H.** Le conscient et l'inconscient; le S. In his Psychiat. morale exp., Par., 1945, 152–64.—**Birnbaum, H.** La S; un essai de synthèse. Arch. internat. neur., Par., 1930, 22. ser., **49:** pt 1, 175–82.—**Bottome, P.** [From the world of the S] Ned tschr. geneesk., 1935, **79:** 2955–7.—**Braun, H.** Das U in der Volksschulpraxis. Zschr. pädagog. Psychol., 1926, **27:** 476–80.—**Calderoni, M.** Le teorie psicologiche di J. Pikler e la sua teoria del S. Riv. psicol., 1910, **6:** 273–92.—**Dale, L. A.** Note on an attempt to repeat the Woodworth results. J. Am. Soc. Psychic. Res., 1943, **37:** 134–7.—**Dessoir, M.** Das Unterbewusstsein. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 37–56. Also in his Vom Jenseits d. Seele, 2. Aufl., Stuttg., 1918, 29–48.—**Durand, de Gros.** Pluralité animale et animique chez l'homme. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 648–52.—**Fischer, H.** Unbewusst oder U? Fortsch. Med., 1926, **44:** 977.—**Janet, P.** Les problèmes du S. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 57–70.—**Jastrow, J.** The S in health and disease. Psychotherapy, N. Y., 1909, **2:** 48; No. 2, 39. ——— The S mind. In his Getting More Out of Life, N. Y., 1940, 86–93.—**Kohnstamm, O.** Das U und die Methode der hypnotischen Selbstbesinnung. In his Erscheinungsform. d. Seele, München., 1927, 405–522.—**Lagomarsino, A. S.** Introducción a la metapsiquíca, consciente y S. Sem. méd., B. Air., 1934, **41:** pt 2, 985–93.—**Levin, M.** Hughlings Jackson's views on mentation; their value for the psychiatrist. Arch. Neur. Psychiat., Chic., 1933, **30:** 848–74.—**Long, C. E.** The psychoanalytic use of subliminal material. Proc. Soc. Psychic. Res., Glasg., 1918, **30:** 1–32.—**McCowan, P. K.** The S in story writing. J. Ment. Sc., Lond., 1943, **89:** 59–63.—**Martin, L. J.** An experimental study of the S. In: Exp. Psychic. Res. (Coover, J. E.) Stanford Univ., 1917, 422–38.—**Martius, G.** Ueber einen neuen Apparate zur Lichtunterbrechung und einige Ergebnisse der mit ihm angestellten Untersuchungen. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 465.—**Pieree, B.** The S factor in medicine. Lancet, Lond., 1927, **2:** 1221–5.—**Pressey, H. E.** A conception of the S. J. Abnorm. Psychol., 1926, **21:** 277–83.—**Prinee, M.** The S. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 71–105. ——— Some problems of abnormal psychology. In his Clin. Exp. Stud. Person., 2. ed., Cambr., 1939, 351–72. ——— The theory of the coconscious; different meanings of the term S. Ibid., 477–94. ——— The S. Ibid., 495–508.—**Ruland, L.** The conscious, the unconscious and the S. In his Pastoral Med., S. Louis, 1936, 223–5.—**Sadler, W. S.** The S mind. In his Ment. Mischief, S. Louis, 1947, 23–36.—**Sage.** Le cas de Mme Malvina Gérard et la

mentation S. Ann. sc. psychol., Par., 1904, **14**: 65; passim.—**Sordelli, G.** Les sourciers et le S. C. rend. Congr. internat. radiotellur., 1932, 1. Congr., 208.—**Spearman, C.** The substructure of the mind. Brit. J. Psychol., 1927–28, **18**: Sect. Gen., 249–61.—**Sudre, R.** The structure of the S mind. J. Am. Soc. Psychic. Res., 1930, **24**: 77–81.—**Szalai, A.** Infectious parapraxes. Internat. J. Psychoanal., Lond., 1934, **15**: 187–90.—**Voronoff, S.** The role of the S in the work of genius. In his From Cretin to Genius, N. Y., 1941, 57–70.—**Woodworth, H.** Report of investigations into an obscure function of the S mind. J. Am. Soc. Psychic. Res., 1942, **36**: 185–230. ——— Further consideration of multiple-blocking and unblocking in normal subjects. Ibid., 1943, **37**: 119–33. ——— Report of investigations into an obscure function of the S mind. Ibid., 143.

—— Theories.

See also **Mind and body, Theories**; also **Life.**

Aars, K. B. R. Les sept problèmes de l'âme. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 144–50.—**Ashe, G.** The subject theory; a new view of the mind. J. Am. Soc. Psychic. Res., 1942, **37**: 16–24.—**Frankhauser, K.** Vitalismus, Mnemismus, Energismus. Zschr. ges. Neur. Psychiat., 1932, **141**: 246–60.—**Ljungberg, E.** Essai d'adaptation d'un plan fonctionnel psychique aux phénomènes psycho-pathologiques. Acta psychiat. neur., Kbh., 1947, Suppl. 47, 541–50.—**Luce, A. A.** Berkeley's existence in the mind. Mind. Lond., 1941, **50**: 258–67.—**Rignano, E.** In che cosa consiste e donde deriva il finalismo dei fenomeni psichici? Riv. psicol., 1926, **22**: 97–101. Also J. psychol. norm. path., Par., 1926, **23**: 935–9.—**Strong, S. M.** A note on George H. Mead's The Philosophy of the Act. Am. J. Sociol., 1938–39, **45**: 71–6.

—— Thinking process.

See also other subheadings (Reasoning; Thought) also **Idea.**

Bleuler, P. E. Das Denken; die Assoziationen; die Intelligenz. p.154–202. 25cm. Berl., 1921.

In his Naturgesch. d. Seele, Berl., 1921.

Clark, R. S. *An experimental study of silent thinking [Columbia] 101p. 24cm. N. Y., 1922.

Forms No. 48, Arch. Psychol., N. Y.

Cohn, J. Ich denke und Es denkt; Untersuchungen an spontanen Denkverläufen über die Struktur des Seelenlebens. p.1–75. 24cm. Gravenh., 1936.

Acta psychol., Gravenh., 1936, **2**:

Duncker, K. A qualitative, experimental and theoretical, study of productive thinking, solving of comprehensible problems. p.642–708. 23cm. Worcester, 1926.

Pedag. Semin., Worcester, 1926, **33**:

Grünbaum, A. A. Untersuchungen über die Funktionen des Denkens und des Gedächtnisses. [164]p. 23cm. Lpz., 1916–19.

Arch. ges. Psychol., 1916–17, **36**: 423; 1917–18, **37**: 74; 1918–19, **38**: 182.

Heidbreder, E. *An experimental study of thinking [Columbia Univ.] 175p. 8°. N. Y., 1924.

Hermann, I. Studien zur Denkpsychologie; Abhängigkeiten des Denkens; Loslösungs-Theorie. p.22–102. 25cm. Amst., 1940.

Acta psychol., Amst., 1940, **5**: No. 2.

Lämmermann, H. Die Konstanz und die Uebbarkeit von Denkleistungen. p.3–87. 23½cm. Lpz., 1934.

Zschr. angew. Psychol., 1934, **46**: Also abstr. Ber. Deut. Ges. Psychol. (1933) 1934, 13. Kongr., 146–8.

Sargent, S. S. Thinking processes at various levels of difficulty; a quantitative and qualitative study of individual differences. 58p. 24½cm. N. Y., 1940.

Forms No. 249, Arch. Psychol., N. Y.

Bills, A. G. The thinking machine. In his Psychol. Efficiency, N. Y., 1943, 1–21.—**Blumenfeld, W.** Ueber die Untersuchung des Aufgabebewusstseins und anderer Denkvorgänge. Ber. Kongr. exp. Psychol. (1923) 1924, 8. Congr., 152–5.—**Bühler, K.** Eine Bemerkung zu der Diskussion über die Psychologie des Denkens. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1919, **82**: 97–101.—**Chrisof, C.** The formulation and elaboration of thought-problems. Am. J. Psychol., 1939, **52**: 161–85.—**Drury, E. G. D.** What do we think with? S. Afr. M. J., 1934, **8**: 591–4.—**Gadske, R. E.** Demonstrative geometry as a means for improving critical thinking. Summaries Doct. Diss. Northwestern Univ., Chic., 1940, **8**: 91–7.—**Harlow, H. F., & Harlow, M. K.** Learning to think. Sc. Am., N. Y., 1949, **181**: No. 2, 36–9.—**Heidbreder, E.** Studying human thinking. In: Meth. Psychol. (Andrews, T. G.) Chic., 1948, 96–123.—**Hengstenberg, H. E.** Erwägungen über den Denkvorgang. Arch. ges. Psychol., 1929, **67**: 131–60.—**Hermann, I.** Das Ich und das Denken. Imago, Wien, 1929, **15**: 89; 325.—**Horney, K.** Man as a thinking machine. Am. J. Psychoanal., 1949, **9**: 94.—**Ingham, S. D.** Physiology of thinking. Bull. Los Angeles Neur. Soc., 1943, **8**: 69–74.—**Ivanitzky, G. A.** [Mechanism of thought] Sovrem. psikhonevr., 1929, **8**: 288–96.—**Johnson, A. E.** An experimental study in the analysis and measurement of reflective thinking. Summaries Doct. Diss. Northwestern Univ., Chic., 1942, **10**: 60–5.—**Kraines, S. H.** Emotional thinking. In his Ther. Neuroses, Phila., 1941, 190–3.—**Laforgue, R.** Psychologie de la pensée. Psyché, Par., 1948, **3**: 1206; passim.—**Metfessel, M.** The all-or-none nature of emotional thinking. J. Psychol., Provincet., 1940, **9**: 323–6.—**Miner, J. B.** The procedure of thinking about mind. Psychol. Rev., 1929, **36**: 332–40.—**Oldfield, R. C., & Zangwill, O. L.** Head's concept of the schema and its application in contemporary British psychology; Wolters' theory of thinking. Brit. J. Psychol., 1942–43, **33**: 143–9.—**Reiser, O. L.** Aristotelian, Galilean and non-Aristotelian modes of thinking. Psychol. Rev., 1939, **46**: 151–62.—**Schilder, P.** Thinking. In his Mind Percept. & Thought, N. Y., 1942, 300–23.—**Székely, L.** Studien zur Psychologie des Denkens; zur Topologie des Einfalls. Acta psychol., Hague, 1940, **5**: 79–96.—**Van Liere, E. J.** Creative thinking and old age. Q. Phi Beta Pi M., 1948–49, **45**: 233.—**Watson, J. B.** Is thinking merely the action of language mechanisms? Brit. J. Psychol., 1920–21, **11**: 87–104.—**Wolters, A. W.** Some biological aspects of thinking. Ibid., 1942–43, **33**: 176–83.

—— Thought.

See also **Mind-reading.**

Bailey, H. The physiology of thought; a functional study of the human mind in action. 314p. 23½cm. N. Y., 1949.

Belaval, J. Y. Sur la vitesse de la pensée. J. psych. norm., Path., Par., 1936, **33**: 584–96.—**Chojnacki, P.** La pensée comme actlvité motrice et intentionnelle. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 354.—**Claude, H., & Durand, C.** Remarques critiques sur la théorie mécaniste de l'écho de la pensée. Encéphale, 1939, **34**: pt 1, 1–19.—**Dewey, J.** Values, liking, and thought. J. Philos., Lanc., 1923, **20**: 617–22.—**Ewing, A. C.** Critical notice; The Nature of Thought, by Brand Blanshard, 1939. Mind, Lond., 1944, **53**: 75–85.—**Glockler, G.** Simultaneity and originality in human thought. Proc. Iowa Acad. Sc., 1941, **48**: 83–90.—**Humphrey, G.** The problem of the direction of thought. Brit. J. Psychol., 1939–40, **30**: 183–96.—**Konkle, W. B.** Thought ranging. Med. Pickwick, 1920, **6**: 163–5.—**Learoyd, C. G.** The texture of thought. Practitioner, Lond., 1947, 158: 497–505.—**Meili, R.** La pensée productrice d'après Claparède et d'après Duncker. J. psych. norm. path., Par., 1936, **33**: 614–27.—**Pellizzi, C.** Spunti di pensiero costruttivo. Riv. psicol., 1925, **21**: 117–23.—**Rawlins, F. I. G.** Kruse, F. V.: The foundation of human thought [Bk Rev.] Nature, Lond., 1949, **164**: 852.—**Roger, G. H.** Physiologie de la pensée. Arch. méd. belges, 1942, **95**: 325–33.—**Scheminzky, F.** Psychische Phänomene (Jenseits der Grenzen menschlicher Sinne) der Gedanke. Wien. klin. Rdsch., 1919, **33**: 54–6.—**Ten Hoor, M.** Thought as awareness and thought as behavior. J. Philos., Lanc., 1934, **31**: 533–43.—**Whitehead, A. N.** The organization of thought; the basis of organized action. Sc. Am. Suppl., N. Y., 1917, **83**: 338; 366.

—— Training.

See also **Learning.**

Austregésilo, A. Disciplina espiritual. p.239–98. 22cm. Rio, 1947.

In his Obras compl., Rio, 1947, 8:

Payot, J. The education of the will; the theory and practise of self-culture. 3. Amer. ed. 424p. 8°. N. Y., 1911.

Thomson, W. H. Medical aspects of mental discipline. 29p. 23cm. N. Y., 1890.

Altus, W. D. The relationship of Intelligence and years of schooling when literacy is held constant. J. Consult. Psychol., 1949, **13**: 375.—**F., C.** A educação da vontade. Resenha clin. cient., S. Paulo, 1944, **13**: 415–20.—**Foucault, M.** Les lois de l'exercice dans le travail mental. Scientla, Bologna, 1934, **56**: 19–26.—**Fries, M. E.** The child's ego development and the training of adults in his environment. Psychoanal. Stud. Child, 1946, **2**: 85–112.—**Hall, G. S.** Moral education and will-training. Pedag. Semin., Worcester, 1892, **2**: 72–89.—**MacDougall, R.** The significance of the human hand in the evolution of mind. Am. J. Psychol., 1905, **16**: 232–42.—**Poffenberger, A. T., jr.** The influence of improvement in one simple mental process upon other related processes. J. Educ. Psychol., 1915, **6**: 459–74. Also Psychol. Bull., 1915, **12**: 64 (Abstr.)—**Schultz, J. H.** Seelische Schulung, Körperfunktion und Unbewusstes. Forsch. & Fortsch., 1935, **11**: 290.—**Sterne, J.** A

propos du traitement moral et de l'éducation de la volonté. Rev. méd. est, 1926, **54**: 165–8.

—— **Unconscious** [Abbrev.: I for Inconscient: U for unconscious, unbewusst, and equivalents]

See also subheadings (Consciousness; Subconscious)

Bash, K. W. Consciousness and the U in depth and Gestalt psychology. p.213–88. 23½cm. Amst., 1949.

Acta psychol., Amst., 1949, **6**:

Bodin, J. E. E. *La sibylle (fragment) critique de toute psychologie de l'I. 92p. 8° Par., 1926.

Ebbers, H. Beiträge zum Problem des Unbewussten und der psychischen Realität, insbesondere der psychischen Akte. p.69–128. 23cm. Lpz., 1933.

Arch. ges. Psychol., 1933, **87**:

Filloux, J. C. L'inconscient. 128p. 17cm. Par., 1947.

Groddeck, G. W. Exploring the U; further exercise in applied analytical psychology. 224p. 8° Lond., 1933.

Jung, C. G. Die Autonomie des U. p.9–61. 21cm. Zür., 1942.

In his Psychol. & Relig., Zür., 1942.

—— Ueber die Psychologie des U. 5. Aufl. 213p. 21cm. Zür., 1943.

Kahn, S. Psychological and neurological definitions and the U. 219p. 20½cm. Bost., 1940.

Levine, I. The U; an introduction to Freudian psychology. 215p. 19cm. N. Y., 1923.

Mauco, G. De l'I à l'âme enfantine. 229p. 18½cm. Par., 1948.

Pierce, F. E. Our unconscious mind and how to use it. 323p. 21cm. N. Y., 1922.

Prince, M. The U; the fundamentals of human personality, normal and abnormal. 549p. 20½cm. N. Y., 1915. Also 2. ed. 654p. 20½cm. N. Y., 1921.

Valentine, C. W. The new psychology of the U. 162p. 8° Lond., 1928.

Wolff, W. Diagrams of the U; handwriting and personality in measurement, experiment and analysis. 423p. 26cm. N. Y., 1948.

Ach, N. Ueber den Begriff des U in der Psychologie der Gegenwart. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1933, **129**: 223–45.—**Baudouin, C.** L'I dans la contemplation esthétique. Arch. psychol., Genève, 1928, **21**: 55–75.—**Benda, C. E.** Das U und der Aufbau der geistigen Welt. Zbl. Psychother., 1931, **4**: 7–19.—**Bleuler, E.** Qualité consciente et I. Scientia, Bologna, 1938, **63**: Suppl., 64–74.—**Boer, J. de.** Bijdrage tot de psychologie en psychopathologie van het onbewuste. Psychiat. neur. bl., Utrecht, 1918, 61–93.—**Bolton, J. S.** The myth of the U mind. J. Ment. Sc., Lond., 1926, **72**: 25–38.—**Brown, W.** Freud's theory of the U. In his Psychol. & Psychother., 4. ed., Lond., 1940, 51–74.—**Brugmans, H. J. F. W.** The psychic U and the psychological U. Acta psychol., Hague, 1939, **4**: 241–74.—**Cunha Lopes.** Psicologia do I. Ilust. med., Rio, 1939, **5**: 81–4.—**Dalbiez, R.** The metaphysics of the U. In his Psychoanal. Meth. & Doctrine of Freud, Lond., 1941, **2**: 1–19. ——— The various types of U. Ibid., 21–40. ——— The affective U. Ibid., 33. ——— The Freudian U. Ibid., 40–6.—**Damourette, J., & Pichon, E.** La grammaire en tant que mode d'exploration de l'I. In: Evolut. psychiatr., Par., 1925, 237–57.—**Delay, J., Desclaux, P.** [et al.] Le 245 RP (pentothal Abott) dans l'exploration du psychisme I; intérêt médico-légal. Ann. méd. lég., 1945, **25**: 66–8.—**Dias Corrêa, P.** O I e a responsabilidade; aparente antinomia. Brasil méd., 1948, **62**: 56–61. ——— O I e a responsabilidade perante a legislação penal. Rev. brasil. med., 1949, **6**: 168–74.—**Dunlap, K.** Psychoanalysis and the U. Am. J. Psychiat., 1945–46, **102**: 330–6.—**Eastburg, F. E.** Some conceptions of the U. J. Am. Soc. Psychic. Res., 1924, **18**: 283–9.—**Eckstein, F.** Aeltere Theorien des U. In: Almanach d. Psychoanal. Wien, 1936, 241–4.—**Eder, M. D.** Kann das U erzogen werden? Imago, Wien, 1926, **12**: 136–46.—**Ferenczi, S.** Zur Erkenntnis des U. In his Bausteine z. Psychoanal., Lpz., 1927, **3**: 26–32.—**Finkelman, I.** Some weak points in the psychoanalytic doctrine of the U. Illinois M. J., 1934, **65**: 457.—**Fischer, S.** Kritische Bemerkungen zum U Freuds. Zschr. ges. Neur. Psychiat., 1931, **137**: 775–90.—**French, T. M.** Reality and the U. Psychoanal. Q., 1937, **6**: 23–61.—**Freud, S.** Fixation upon traumas: the U. In his Gen. Introd. Psychoanal., N. Y., 1943, 242–52.—**Fröschels, E.** Ueber das sogenannte U. Zschr. ges. Neur. Psychiat., 1933, **146**: 773–80. ——— About the name and some pathologic functions of the U. J. Clin. Psychopath., 1945–46, **7**: 273–9.—**Garma, A.** Consideraciones generales sobre el I en psiquiatría. Siglo méd., 1932, **90**: 673–8.—**Gimeno Pérez, A.** El descubrimiento del psicoanálisis; importancia de lo I en la vida humana. An. med., Barcel., 1948, **35**: 163–8.—**Hall, J. K.** The id; merely an introductory word. South. M. & S., 1943, **105**: 487–90.—**Hinkle, B. M.** The U; its dynamic manifestations in human life. In her Recreat. Individ., N. Y., 1949, 97–129, pl.—**Hinrichsen, O.** Bemerkungen zur schöpferischen Macht des U. Psychiat. neur. Wschr., 1939, **41**: 28–32.—**House, S. D.** Psychologies of the U. Psychoanal. Rev., 1928, **15**: 1–26.—**Ivimey, M.** The unconscious. Am. J. Psychoanal., 1949, **9**: 93. ——— How the U works. Summaries Lect. Ass. Advance. Psychoanal., N. Y., 1949–50, No. 7, 1–4.—**Jones, E.** The U and its significance for psychopathology. In his Papers Psychoanal., 4. ed., Lond., 1938, 120–8.—**Joussain, A.** L'idée de l'I et l'intuition de la vie. Rev. philos., Par., 1911, **71**: 467–93.—**Jung, C. G.** The concept of the collective U. S. Earth. Hosp. J., Lond., 1936, 44; 46; 64. ——— Archetypes of the collective U. In his Integr. Personality, N. Y., 1939, 52–95.—**Kaplan, L.** The child, primitive man, and the U. J. Sex. Psychanal., 1924, **2**: 433–60.—**Körner, O.** Die klinische Bedeutung des kollektiven U. Ber. Allg. ärztl. Kongr. Psychother., 1929, 4. Kongr., 38–45.—**Krisch, H.** Die Psychologie des U von Carus. Zbl. Psychother., 1936, **9**: 283–90.—**Legiardi-Laura, C.** The U mind. Med. Rev. of Rev., N. Y., 1935, **41**: 125–36.—**Le Lay, Y.** La psychologie de l'I et l'esprit français. In: Kultur. Bedeut. d. kompl. Psychol., Berl., 1935, 398–415.—**Lenormand, H. R.** Das U im Drama. Almanach Internat. Psychoanal. Verl., Wien, 1926, 39–43.—**Levey, H. B.** What is your U mind? a radio talk. Ment. Health Bull., Chic., 1935–36, **14**: No. 6, 1.—**Marie, A.** La psychanalyse et les nouvelles méthodes d'investigation de l'I. Arch. internat. neur., Par., 1934, pt 2, 373–6.—**Meier, C. A.** Spontanmanifestationen des kollektiven U. Zbl. Psychother., 1939, **11**: 284–303.—**Meng, H.** Das Unbewusste. Wendepunkt, Zür., 1930–31, **8**: 507; 566; 618.—**Menninger, K. A.** Laws of the U. In his Human Mind, N. Y., 1937, 274–8.—**Menninger, W. C.** The theory of the U. J. Kansas M. Soc., 1943, **44**: 183–6.—**Moore, T. V.** The unconscious. In his Driving Forces of Human Nature, N. Y., 1948, 67–85. ——— Methods of investigating the U. Ibid., 92–5.—**Paulhan, F.** Sur le psychisme I. J. psychol. norm. path., Par., 1921, **18**: 1; 146.—**Pavão Bassewitz, M.** Mistérios do I. Impr. méd., Rio, 1945–46, **21**: No. 386, 84–8.—**Penafiel, C.** O I na vida social. Arch. brasil. hyg. ment., 1929, **2**: 160–3 (Abstr.)—**Perelman, L.** O I, tirano. Impr. med., Rio, 1941, **17**: No. 334, 126.—**Piccinino, F.** L'I (in cerca del divino nelle manifestazioni della mente umana) Gazz. internaz. med.-chir., 1930, **38**: 49; 74.—**Pradines, M.** L'I normal ou de constitution. In his Traité psych. gén., 2. éd., Par., 1946, **1**: 11–8.—**Rado, S.** Mind, U mind, and brain. Psychosomat. M., 1949, **11**: 165–8.—**Ribeiro do Valle, L.** Observações do I na obra de Machado de Assis. Rev. Ass. paul. med., 1939, **15**: 197–208.—**Ribot, T.** Les mouvements et l'activité I. Rev. philos., Par., 1912, **72**: pt 2, 65–81.—**Rothenhäusler, O.** Einbruch und Projektion des U. Schweiz. Arch. Neur. Psychiat., 1927, **20**: 316–27.—**Seligman, C. G.** The U in relation to anthropology. Brit. J. Psychol., 1927–28, **18**: 373–87.—**Sharpe, E. F.** Similar and divergent U determinants underlying the sublimations of pure art and pure science. Internat. J. Psychoanal., Lond., 1935, **16**: 186–202.—**Shatalov, N. F.** Bezsoznatelnaja psikhičeskaja dejatelnost i jeja rol v žizni čeloveka. Protok. zased. Obshch. neiropat. psikhiat. Moskov. Univ., 1897–98, 8.—**Silverberg, W. V.** Baynes, H. G.: Mythology of the Soul; a Research into the U from Schizophrenic Dreams and Drawings [Bk Rev.] Psychoanal. Q., 1942, **11**: 236–8.—**Stockmayer, W.** Das U im Seelenleben. Aerztl. Rdsch., 1927, **37**: 1–9.—**Sugar, N.** Zur Frage der U Verständigung und der ansteckenden Fehlhandlung. Internat. Zschr. Psychoanal., Lond., 1941, **26**: 84–7.—**Uhler, A. M.** Unconscious urges. In his Cast out Your Devils, 1939, 133–44.—**Wulff, M.** Ueber den zeitlichen Verlauf U Vorgänge. Internat. Zschr. Psychoanal., 1931, **17**: 507–15.

—— **Understanding process.**

Abel, T. The operation called Verstehen. Am. J. Sociol., 1948–49, **54**: 211–8.—**Jaspers, K.** Das metaphysische Verstehen. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 257. ——— Grundformen der Verstehbarkeit. Ibid., 283–9. ——— Die Grundgesetze des psychologischen Verstehens und der Verstehbarkeit. Ibid., 296–302. ——— Verständliche Zusammenhänge bei spezifischen Mechanismen. Ibid., 303–44.—**Wach, J.** On understanding. In: Albert Schweitzer Jubilee Bk, Cambr., 1945, 131–46.—**Whiteley, C. H.** On understanding. Mind, Lond., 1949, **58**: 339–51.

—— **Volition.**

Ach, N. Analyse des Willens. 460p. 4° Berl., 1935.

In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) 1935, **6**: E.

Dwelshauvers, G. L'exercice de la volonté. 174p. 23cm. Par., 1949.

GIVET, J. S. DE. La volonté. 239p. 19cm. Avignon, 1946.

GRASSL, E. Die Willensschwäche; gleichzeitig ein Beitrag zur Theorie des Willens, der Willensentwicklung und Willenserziehung. 254p. 8° Lpz., 1937.

Forms Beih. 77, Zschr. angew. Psychol.

HANDS, J. Will-ability; or M and its varied conditions and capacities; a dissertation and explanation of the mystery of will-ability, mind energy, or mental volition. 158p. 8° Lond., [187?]

LEWIN, K. Vorsatz, Wille und Bedürfnis. p.330–85. 24cm. Berl., 1926.

Psychol. Forsch., 1926, 7:

Alexander, S. Foundations and sketch-plan of a conational psychology. Brit. J. Psychol., 1911–12, **4**: 239–67.—**Aveling, F.** The influence of volition upon thinking. Ibid., 1932, **22**: 324–32.—**Bosanquet, W. C.** The principles of voluntary action or conduct. In his Meditatio med., Aldershot, 1937, 119–62.—**Calkins, M. W.** Fact and inference in Raymond Wheeler's doctrine of will and self-activity. Psychol. Rev., 1921, **28**: 356–73.—**Cresson, A.** Le vrai rôle de la volonté dans la réflexion. J. psychol. norm. path., Par., 1932, **29**: 369–400.—**Dorcus, R. M.** Is there a unit trait of volitional perseveration? J. Gen. Psychol., 1935, **13**: 345–56.—**Eden, H.** Analyse einer einfachen äusseren Willenshandlung unter dem Gesichtspunkt der Integrationstypologie. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1937, **141**: 198–240.—**Krieg, H.** Zur Biologie des Wollens. Naturwiss. Rdsch., 1948, **1**: 241–8.—**Lewis, H. D.** Some observations on natural rights and the general will. Mind, Lond., 1938, **47**: 18–44.—**Lungwitz, H.** Wunsch und Wille als Objektänderung; Wahl; Vergleich. In his Entdeck. d. Seele, 5. Aufl., Berl., 1947, 235–9.—**Martin, A. R.** On making real efforts. Summaries Lect. Ass. Advanc. Psychoanal., N. Y., 1949–50, No. 8, 1–4.—**Mullahy, P.** Will, choice, and ends. Psychiatry, Balt., 1949, **12**: 379–86.—**Oberto, S.** L'analisi sperimentale delle qualità del volere. Arch. ital. psicol. gen. lavoro, 1938, **16**: 37–69, 4 pl.—**Pérgola, B.** La voluntad como elemento curativo. Rev. pract., Valencia, 1949, 2. época, **5**: 195–7.—**Prado Huante, H.** La voluntad. Psiquis, Méx., 1947, **2**: 187–9.—**Schneider, K.** Zur Psychologie und Psychopathologie der Trieb- und Willenserlebnisse. Zschr. ges. Neur. Psychiat., 1932, **141**: 351–62.—**Solé, A.** Ueber die Wirkung des Wahrscheinlichkeitsgesetzes auf seelische Vorgänge. Wien. Zschr. prakt. Psychol., 1949, **1**: 73–7.—**Soucek, R.** Quelques remarques sur la question des éléments psychologiques et sur le problème de la volonté. J. psychol. norm. path., Par., 1923, **20**: 693–701.—**Volonte** (La) devant l'obstacle. Rev. gén. clin. Thér., 1925, **39**: p.LV.—**Ziveri, A.** Confronti e considerazioni critiche sul concetto di volontà. Cervello, 1927, **6**: 17–31.

—— Volition: Freedom of choice.

DAL BIANCO, P. Willensfreiheit als naturwissenschaftliches Problem. 19p. 21cm. Innsbruck, 1947.

Forms No. 4, Samml. Med., Innsbruck.

GIES, K. Experimentelle Untersuchungen über den Willen mit Berücksichtigung der Entstehung des Bewusstseins der Willensfreiheit. p.1–96. 24cm. Lpz., 1930.

Arch. ges. Psychol., 1930, **74**:

HAEDICKE, J. Des Menschen Wille ist frei. 58p. 24½cm. Lpz., 1937.

RABL, C. R. H. Das Problem der Willenfreiheit unter medizinischen und naturwissenschaftlichen Gesichtspunkten. 150p. 8° Münch., 1933.

Carrington, H. Free will and determinism, in the light of psychic phenomena. J. Am. Soc. Psychic. Res., 1940, **34**: 214–24.—**Dillon, M.** Free will. In his Self, Lond., 1946, 111–22.—**Dingler, H.** Determinismus oder Indeterminismus? Zschr. ges. Naturwiss., 1939, **5**: 42–57.—**Ekstein, R.** Psychological laws and human freedom. J. Social Psychol., 1947, **25**: 181–91.—**Ernst, A.** Dynamographisch-plethysmographische Untersuchungen über die Einwirkung von Unlustgefühlen auf äussere Willenshandlungen. Arch. ges. Psychol., 1926, **57**: 445–88, tab.—**Favill, J.** The great delusion. J. Nerv. Ment. Dis., 1940, **91**: 306–15.—**Foerster, R.** Zur Frage der Willensfreiheit und über die Folgerungen aus ihrer Verneinung. Med. Klin., Berl., 1939, **35**: 1387.—**Gregory, J. C.** Indeterminism and the wish. Science Progr., Lond., 1948, **36**: 605–13.—**Hobart, R. E.** Free will as involving determination and inconceivable without it. Mind, Lond., 1934, **43**: 1–27.—**Kohnstamm, O.** Inwiefern gibt es einen freien Willen für die ärztliche und erziehliche Willensbeeinflussung. In his Erscheinungsform. d. Seele, Münch., 1927, 189–208.—**Krueger, E.** Gibt es einen freien Willen? Zschr. ärztl. Fortbild., 1939, **36**: 471–4. —— Willensfreiheit und Gesetzgebung. Ibid., 727–9. —— Die Willensfreiheit im Lichte der neuen naturwissenschaftlichen Forschung. Deut. Zschr. gerichtl. Med., 1940, **34**: 150–5.—**Laforgue, R.** Reflections on the notions of free will, of liberty and of death. In his Relat. Reality, N. Y., 1940, 85–90.—**London, I. D.** Free-will as a function of divergence. Psychol. Rev., 1948, **55**: 41–7.—**Müller-Hegemann, D.** Gedanken zum Willensfreiheitsproblem (hauptsächlich von ärztlichen Gesichtspunkten aus) Psychiat. neur. Wschr., 1943, **45**: 247; 259.—**Nowell-Smith, P.** Freewill and moral responsibility. Mind, Lond., 1948, **57**: 45–61.—**Planck, M.** Das Wesen der Willensfreiheit. Forsch. & Fortsch., 1936, **12**: 213.—**Schrödinger, E.** Indeterminism and free will. Nature, Lond., 1936, **138**: 13.—**Stengel v. Rutkowski, L.** Die Frage der Willensfreiheit vom Standpunkt der Kulturbiologie. Biologe, Münch., 1940, **9**: 213–21.—**Stern, W.** Meine Auffassung der Willensfreiheit. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 365–7.

—— in animals.

See also **Behavior; Instinct; Mind and body**—in animals.

BRODY, E. G. Genetic basis of spontaneous activity in the albino rat. 24p. 25½cm. Balt., 1942.

ROMANES, G. J. Mental evolution in animals. With a posthumous essay on instinct by Charles Darwin. 411p. 23cm. Lond., 1883.

WASHBURN, M. F. The animal mind; a textbook of comparative psychology. 4. ed. 536p. 8° N. Y., 1936.

YERKES, R. M. The mental life of monkeys and apes. 145p. 24½cm. Cambr., 1916.

Buttel-Reepen. Meine Erfahrungen mit den denkenden Pferden. Naturwiss. Wschr., 1913, **12**: 241; 257.—**Eckstein, G.** Concerning a dog's word comprehension. Science, 1949, **109**: 494.—**Fischel, W.** Möglichkeiten tierischen Denkens. Zool. Anz., 1933–34, **105**: 225–33.—**Huxley, J. S.** Ils n'ont que de l'âme; an essay on bird-mind. In his Essays Biol., Harmondsworth, 1939, 91–110.—**Lampl, H.** Einige Analogien in der Verhaltungsweise von Vögeln und psychischen Mechanismen beim Menschen. Internat. Zschr. Psychoanal., Lond., 1940, **25**: 399–408.—**Nissen, H. W., Blum, J. S., & Blum, R. A.** Conditional matching behavior in chimpanzee; implications for the comparative study of intelligence. J. Comp. Physiol. Psychol., 1949, **42**: 339–56.—**Ouy-Vernazobres.** Suite et conclusion de l'enquête sur l'âme animale. Bull. Acad. sc. Montpellier, 1936, No. 65, 73–7.—**Plate, L.** Beobachtungen an den denkenden Elberfelder Pferden des Heern K. Krall. Naturwiss. Wschr., 1913, **12**: 263–8.—**Rankin, C.** Body and mind. J. Chart. Soc. Massage, Lond., 1938–39, **24**: 209–11.—**Tryon, R. C., Tryon, C. M., & Kuznets, G.** Studies in individual differences in maze ability; ratings and other measures of initial emotional responses of rats to novel inanimate objects. J. Comp. Psychol., 1941, **32**: 447–73.—**Ziegler, H. E.** Ueber das Rechenvermögen der Elberfelder Pferde. Naturwiss. Wschr., 1915, **14**: 241–4.

MINDANAO.

See also in the Military Section under **World War II,** Visayas-Mindanao area.

GARVAN, JOHN M. The Manóbos of Mindanáo. 265p. 28½cm. Wash., 1941.

MIND and body.

Abbrev.: M for medicine and equivalents; M&B for mind and body; MPS for médecine psychosomatique and equivalents; PP for psychophysical; PS for psychosomatic and equivalents; PSM for psychosomatic medicine.

See also **Body; Mind.**

ASSOCIATION FOR RESEARCH IN NERVOUS AND MENTAL DISEASES. The inter-relationship of M&B; the proceedings of the Association, New York, Dec. 27–28, 1938. 381p. 23½cm. Balt., 1939.

BINET, A. L'âme et le corps. 288p. 18½cm. Par., 1926.

BLEULER, P. E. Die Ergie. p.229–86. 25cm. Berl., 1921.

In his Naturgesch. d. Seele, Berl., 1921.

BUNNEMANN, O. Leib und Seele. 27p. 17½cm. Berl., 1938.

MCDOUGALL, W. Body and mind. 8. ed. 384p. 22½cm. Lond., 1938.

WORCESTER, E., & MCCOMB, S. Body, mind and spirit. 367p. 8° Bost., 1931.

Anderson, M. Spirit and clay. Univ. Durham Coll. M. Gaz., 1937–38, **38**: 151–61.—**Barlow, W.** The M&B relationship. Brit. J. Phys. M., 1948, **11**: 74–80.—**Billington, C. M.** Mind and body. Brit. M. J., 1933, **1**: 1026.—**Body** and mind. Calcutta M. J., 1942, **39**: 453–5.—**Bon, H.** Relations physico-psychiques. In his Précis d. méd. cath., Par., 1936, 163.—**Brito, A. de.** Elo PS. Impr. med., Rio, 1939, **15**: 1423–6. ——— Psiquismo e soma. Vida méd., Rio, 1945, **13**: No. 2, 3–9.—**Büchner, F.** Von der Leiblichkeit des Menschen. Studium gen., Heidelb., 1947–48, **1**: 419–25.—**Cohn, J. V.** The PS matrix. J. Florida M. Ass., 1945–46, **32**: 421–5.—**Dewey, J.** Body and mind. Bull. N. York Acad. M., 1928, 2. ser., **4**: 3–19. Also Ment. Hyg., Alb., 1928, **12**: 1–17.—**Dillon, M.** Body and mind. In his Self, Lond., 1946, 11–38.—**Driesch, H.** Leib und Seele. Forsch. & Fortsch., 1935, **11**: 99.—**Elkins, A. J.** Man, then the gods. Ohio M. J., 1945, **41**: 340.—**González H., E.** Física y psicología. Rev. med., Valparaíso, 1945, **18**: 625–9.—**Kassowitz, M.** Körper und Seele. J. Psychol. Physiol. Sinnesorg, 1906–07, **7**: 82–95.—**Kennedy, F.** The inter-relationship of M&B. J. Mount Sinai Hosp. N. York, 1942–43, **9**: 607–16.—**Kunkel, F.** Corpo e alma. Cult. méd., Rio, 1945–46, **7**: 45–60.—**Laburu, J. A. de.** Correlación PS. In: Libro de oro M. R. Castex, B. Air., 1939, **3**: 1766–74.—**Ludwig, A. O.** The practical importance of modern concepts of psychosomatic relations. N. England J. M., 1948, **238**: 175–8.—**McAlpine, D.** Mind and body; the opening address delivered at the Queen's Hall, October 4th, 1932. Middlesex Hosp. J., 1932, **205**: 214–26.—**Macleod, K.** Mind and body. Brit. M. J., 1910, **2**: 114.—**Miller, E.** Psychosomatics. Health Educ. J., Lond., 1947, **5**: 79–83.—**Mind** and body. Ind. M. Rec., 1938, **58**: 133–5.—**Morhardt, P. E.** Contribution à la PS des groupes humains et des classes sociales. Arch. internat. neur., Par., 1947, **66**: 196; 209; 1948, **67**: 10.—**Mukherji, D.** The M&B. Ind. M. Rec., 1944, **64**: 101–4.—**Myerson, A.** Psychosomatics and somatopsychics. Psychiat. Q., 1940, **14**: 665–75. Also Collect. Papers Dep. Nerv. Harvard, 1941, **11**: No. 47, 1–11.—**O'Neill, J. J.** Body and spirit. J. Am. Soc. Psychic. Res., 1935, **29**: 255–8.—**Potonié, H.** Körper und Seele. Naturwiss. Wschr., 1913, **12**: 216–8.—**Primordial** conceptions of body and soul. Am. Med., 1918, n. ser., **13**: 664–6.—**Reök, I.** [Body, soul and spirit] Budapesti orv. ujs., 1941, **39**: 481–5.—**Saavedra, A. M.** Correlaciones PS. Eugenesía, Mex., 1942, **3**: No. 29, 6; passim.—**Schiele, B. C., & Meller, R. L.** PS relationships. Bull. Staff Meet. Minnesota Gen. Hosp., 1939–40, **11**: 127–34.—**Stratton, G. M.** The difference between the mental and the physical. Psychol. Bull., 1906, **3**: 1–9.—**Stuart, W.** Mind and body. Physiotherapy, Lond., 1948, **34**: 4–6.—**Valentine, C.** The M&B. Am. Druggist, 1946, **114**: No. 6, 72, &c.—**Walsh, J. J.** The M&B. Ohio M. J., 1929, **25**: 621–6.—**Weizsäcker, V. v.** Ueber PS Wissenschaft. Klin. Wschr., 1948, **26**: 192.—**Westenhöfer, M.** Seele und Geist. Deut. med. Wschr., 1937, **63**: 150–2.

—— Affective life.

See also **Mind**; also such terms as **Emotion**, etc.

CANNON, W. B. Bodily changes in pain, hunger, fear and rage; an account of recent researches into the function of emotional excitement. 2. ed. 404p. 21cm. N. Y., 1929.

COLEMAN, J. C. Facial expressions of emotion. 36p. 25½cm. Wash., 1950.

Forms No. 1, v.**63** (or, No. 296) Psychol. Monogr.

DE CRINIS, M. Der Affekt und seine körperlichen Grundlagen; eine Studie über die Leib-Seele-Beziehungen. 84p. 23cm. Lpz., 1944.

DUMAS, G. Les expressions spéciales; la joie, la tristesse, la peur, la colére. p.121–209. 24½cm. Par., 1933.

In: Nouv. tr. psychol., Par., 1933, **3**:

—— Réactions émotionnelles communes; la sueur, la chair de poule, le tremblement, le rire, le pleurer, le sanglot, les larmes. p.210–92. 24½cm. Par., 1933.

In: Nouv. tr. psychol., Par., 1933, **3**:

LÉGER, G. *La constitution hyperémotive et ses bases organiques. 256p. 25cm. Lyon, 1939.

Bilz, R. Die Stimmung als leib-seelisches Phänomen. Münch. med. Wschr., 1942, **89**: 342.—**Calligaris, G.** La fabbrica dei pensieri sulla pelle dell'uomo. Arch. gen. neur., Teramo, 1929, **10**: 145–81.—**Castellanos, I.** Los aparatos registradores de la emoción. Vida nueva, Habana, 1942, **49**: 255–8.—**Darling, I. A.** Emotions and bodily reactions. Pennsylvania M. J., 1941–42, **45**: 115–8.—**Dickey, E. C., & Knower, F. H.** A note on some ethnological differences in recognition of simulated expressions of the emotions. Am. J. Sociol., 1941–42, **47**: 190–3.—**Dumas, G.** Le choc émotionnel: réactions glandulaires et musculaires. J. psychol. norm. path., Par., 1928, **25**: 130–64. ——— L'expression des émotions; historique et méthodes. In: Nouv. tr. psychol., Par., 1933, **3**: 39–83, illust. ——— Les expressions préalables; l'étonnement, l'attention, la surprise. Ibid., 84–102, illust.—**Farr, C. B., & Bond, E. D.** Facial expression in emotional states. In: Human Face (Philadelphia Co. Dent. Soc.) Phila., 1935, 63–8.—**Forel, O. L.** L'échothymie; contribution à l'étude de l'affectivité. Schweiz. med. Jahrb., 1933, p. i–liv.—**Gantt, W. H.** Emotional state on acquired and inborn reactions; satiation on cardiac conditional reflexes and unconditional reflexes to food. Fed. Proc., Balt., 1949, **8**: 52.—**Haggard, E. A.** Experimental studies in affective processes; some effects of cognitive structure and active participation on certain autonomic reactions during and following experimentally induced stress. J. Exp. Psychol., 1943, **33**: 257–84. ——— On the quantification and evaluation of measured changes in skin resistance. Ibid., 1945, **35**: 46–56.—**Hanawalt, N. G.** The role of the upper and lower parts of the face as a basis for judging facial expressions; in painting and sculpture. J. Gen. Psychol., 1942, **27**: 331–46.—**Klineberg, O.** The nature of emotional expression. In his Social Psychol., N. Y., 1940, 176–98.—**Knower, F. H.** Analysis of some experimental variations of simulated vocal expressions of the emotions. J. Social Psychol., 1941, **14**: 369–72.—**Mittelmann, B., & Wolff, H. G.** Emotions and skin temperature; observations on patients during psychotherapeutic (psychoanalytic) interviews. Psychosomat. M., 1943, **5**: 211–31.—**Pizarro Crespo, E.** Emociones y personalidad; aspectos psicológicos, biológicos y clínicos de las emociones y la afectividad. Sem. méd., B. Air., 1944, **51**: 1009–20.—**Spector, B.** Facial manifestations of emotional expression. Bull. New England M. Center, 1943, **5**: 70–3.—**Vilhena, H. de.** Sôbre a expressão corporal das emoções conforme os géneros literários. Med. contemp., Lisb., 1939, **57**: 377–88.—**Wolff, W.** Determination of dominant features in facial expression. In his Express. Person., N. Y., 1943, 39–41.

—— Bibliography.

DUNBAR, H. F. Emotions and bodily changes; a survey of literature on psychosomatic interrelationships, 1910–33. 2. ed. 601p. 24cm. N. Y., 1938.

—— [The same] 1910–45. 3. ed. 604p. 24cm. N. Y., 1946.

—— Biophysics.

Ivanitzky, G. A. [Bio-physical basis of thought] Sovrem. psikhonevr., 1930, **11**: 201–8.—**Rashevsky, N.** The mathematical biophysics of some mental phenomena; anxieties and elations. Bull. Math. Biophys., 1946, **8**: 1–6.

—— Brain.

See also subheading (Localization of function) also **Brain.**

HALSTEAD, W. C. Brain and intelligence; a quantitative study of the frontal lobes. 206p. 23½cm. Chic., 1947.

JANET, P. Le cerveau et la pensée. 179p. 12° Par., 1867.

SÜNNER, P. The brain and the mind; transl. from the German by C. Harry Brooks. 112p. 8° Lond., 1926.

Adrian, E. D. Huxley: The brain and the mind. Lancet., Lond., 1937, **2**: 1233–6. ——— The brain and the mind. In his Physic. Backgr. Percept., Oxf., 1947, 1–17.—**Antoni, N.** Cerebrala allmänsymtom i kritisk belysning. Nord. med., 1941, **10**: 1865–73.—**Bargheer, E.** Das Hirn. In his Eingeweide, Berl., 1931, 13–20.—**Berry, R. J. A.** Brain structure in relation to the mind; illustrated by new and original models. J. Neur. Psychopath., Lond., 1932, **13**: 97–117. Also Stoke Park Monogr. Ment. Defic., 1933, **1**: 107–27, 7 pl.—**Brain, W. R.** Brain and mind; the philosophical approach to psychiatry. Lancet, Lond., 1941, **1**: 745.—**Brown, W.** Relation of mind to brain. In his Psychol. & Psychother., 4. ed., Lond., 1940, 196–212.—**Crinis, M. de.** Die Entwicklung der Grosshirnrinde und ihre Beziehungen zum Ausreifen des menschlichen Intellektes. Forsch. & Fortschr., 1933, **9**: 99, illust.—**Drabovitch, W.** La conscience et les mécanismes du cerveau. Rev. philos. France, 1938, **63**: 51–75.—**Ekehorn, G.** The characteristic quality of durability of cerebro-mental records. Acta med. scand., 1949, Suppl. 231, 158–64. ——— The quality of cerebro-mental resonance and its bearings upon cerebral editing. Ibid., 175–81. ——— The largely subconscious nature, the early onset, and the profound importance of cerebral editing. Ibid., 181–7. ——— Spatial over-lapping of cerebral regions and functions; the importance of such over-lapping for cerebral syntheses, equatings, and editings. Ibid., 187–97. ——— Overlapping and brain's unification of rhythms to form coherent engrams. Ibid., 197–204. ——— Cerebral overlapping; general remarks. Ibid., 204–12. ——— The introduction into the cerebro-mental of extra-physical combinative contingencies. Ibid., 212–24. ——— Fusing cerebro-mental records and consequent as-if-situations originating imagination. Ibid., 224–35. ——— Cerebro-mental

resonance accentuating mental liberty from external space-time-relationships. Ibid., 235–9. ——— The necessity of cerebro-mental editing. Ibid., 260–6. ——— The cerebro-mental continuum and some of its consequences. Ibid., 267–76. ——— The grand paradoxon reviewed with reference to a basic cerebro-chemical investigation. Ibid., 420–44.—**Fessard, A.** Les ondes cérébrales et la pensée. Sciences, Par., 1937, **65**: 273–5.—**Fleming, A. J.** The hypothalamus and human emotions. Delaware M. J., 1944, **16**: 1–13.—**Hebb, D. O.** Intelligence in man after large removals of cerebral tissue; defects following right temporal lobectomy. J. Gen. Psychol., 1939, **21**: 437–46.—**Kessler, M. M.** Spontaneous and reflex emotional responses differentiated by lesions in the diencephalon. Proc. Soc. Exp. Biol., N. Y., 1941, **47**: 225–7.—**Kōguti, Y.** Zidō ni okeru sintai to tinō to no kankei; taikaku, taikei, eiyō to tinō to no kankei ni tuite [Relation of body to intellect in the child; relation of physique, body type, and nutrition to intellect] Zyūzenkai zassi, 1937, **42**: 3200–4. ——— Tinō to tairyoku to no kankei ni tuite [Relation of intellect to bodily strength] Ibid., 3322–7. ——— Kakusyu sintai sokudo oyobi sisū to sintyō to no sōkan ni tuite [Interrelations of all bodily measurements and indexes with bodily growth] Ibid., 3653–8. ——— Syakai-teki toku-ni keizai-teki tii no elkyō ni tuite [Effect of social, especially financial, position] Ibid., 3659–66. ——— Yū-retu zidō-gun no taikei-teki tokutyō [Bodily characteristics of the superior group of children and of the inferior group of children] Ibid., 3667–76. ——— Dōbō-kan ni okeru tinō no yū-retu to sintai hatuiku to no kankei [Relation of differences in intellect in siblings to physical growth] Ibid., 3677–83.—**Lungwitz, H.** Denken als Funktion der Hirnrinde. In his Entdeck. d. Seele, 5. Aufl., Berl., 1947, 61–4. ——— Von der Spezifität der Denkzellen. Ibid., 64–9.—**Masuyama, M.** Nō-ken-siki tinō-kensa-hō ni tuite [A method of the examination of the intellectual faculties by the study of the brain] Igaku & seibutugaku, 1944, **6**: 248.—**Maziarski, S.** [Brain and the soul] Polska gaz. lek., 1934, **13**: 21; 41.—**Murphy, J. P., & Gellhorn, E.** Further investigations on diencephalic-cortical relations and their significance for the problem on emotion. J. Neurophysiol., 1945, **8**: 431–47.—**Peiper, A.** Sinnesphysiologie und Hirntätigkeit. Mschr. Kinderh., 1942, **91**: 390–5.—**Pickworth, F. A.** Brain and mind. Lancet, Lond., 1947, **2**: 562.—**Podolsky, E.** The emotions and the cerebrum. Dis. Nerv. Syst., 1945, **6**: 312–4. ——— The chemical brew of the brain. Med. Rec., N. Y., 1946, **159**: 346–8.—**Power, T. D.** Brain and mind. Lancet, Lond., 1947, **2**: 451.—**Prince, M.** Hughlings-Jackson on the connection between the mind and the brain. In his Clin. Exp. Stud. Person., 2. ed., Cambr., 1939, 593–612.—**Richter, D., & Dawson, R. M. C.** Brain lactate in emotion. Nature, Lond., 1948, **161**: 205.—**Roubinovitch, J.** Les perturbations affectives et leur mécanisme cérébral de régulation. Bull. méd., Par., 1947, **61**: 73–6.—**Sántha, K.** [Brain and mind] Orvosképzés, 1933, **23**: 307–12.—**Spiegel, E. A., Miller, H. R., & Oppenheimer, M. J.** Forebrain and rage reactions. J. Neurophysiol., 1940, **3**: 538–48.

—— Cardiovascular relations.

See also subheading (Psychosomatic disease) also **Cardiovascular system,** Physiology.

Trzcińska, H. Le travail mental et la courbe pléthysmographique. p.337–91. 25½cm. Kraków, 1926.

In: Tr. Laborat. psychol. exp., Kraków, 1926.

Balme, H. Emotion and blood-pressure. Lancet, Lond., 1942, **1**: 91.—**Beebe-Center, J. G., & Stevens, S. S.** Cardiac acceleration in emotional situations. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 304.—**Bello de Campos, A.** Coração-sismógrafo de emoções. Rev. clín. S. Paulo, 1944, **16**: 121–6.—**Binger, C. A. L.** The mind and the heart. In his More about Psychiatry, Chic., 1949, 27–45.—**Brower, D.** The relation between intelligence and cardiovascular activity before and after visuo-motor conflict. J. Genet. Psychol., 1947, **70**: 233–5.—**Gaskill, H. V., & Cox, G. M.** Patterns in emotional reactions; heart rate and blood pressure. J. Gen. Psychol., 1941, **24**: 409–21.—**Hickam, J. B., Cargill, W. H., & Golden, A.** Cardiovascular reactions to emotional stimuli; effect on the cardiac output, arteriovenous oxygen difference, arterial pressure, and peripheral resistance. J. Clin. Invest., 1948, **27**: 290–8.—**Kraines, S. H.** Cardiovascular signs of emotion. In his Ther. Neuroses, Phila., 1941, 84–7.—**Loftus, T. A., Gold, H., & Diethelm, O.** Cardiac changes in the presence of intense emotion. Am. J. Psychiat., 1944–45, **101**: 697, pl.—**Morris, D. P.** Blood pressure and pulse changes in normal individuals under emotional stress; their relationship to emotional instability. Psychosomat. M., 1941, **3**: 389–98.—**Theron, P. A.** Peripheral vasomotor reactions as indices of basic emotional tension and liability. Ibid., 1948, **10**: 335–46.

—— Correlations and interactions.

See also other subheadings.

Calligaris, G. La fabbrica dei sentimenti sul corpo dell'uomo. 1058p. 8° Roma, 1932.

Davis, R. C. The relation of certain muscle action potentials to mental work. 29p. 25½cm. Bloomington, 1937.

Forms No. 5, Sc. Ser. Indiana Univ. Pub.

Kondratjew, N. Ueber die Natur der Korrelationen bei den Wirbeltieren. p.341–419. 8° Berl., 1933.

Zschr. ges. Anat., 3. Abt., Berl., 1933, **30**:

Müller-Freienfels, R. Der Einfluss der Gefühle und motorischen Faktoren auf Assoziation und Denken. p.381–430. 23cm. Lpz., 1913.

Arch. ges. Psychol., 1913, **27**:

Bagnoli, A. Supplemento di esperienze sulla simultaneità tra lavoro intellettuale e lavoro manuale; e nuovi risultati. Riv. sper. freniat., 1925, **49**: 450–77.—**Bailey, B. F.** A consideration of the relation of the psychic and somatic. Nebraska M. J., 1926, **11**: 4–8.—**Barilari, M. J., Berard, E. L., & Berruezo, J. J.** Lo orgánico y lo psíquico; correlación psicofísica del individuo. Día méd., B. Air., 1948, **20**: 478–83.—**Baruk, H.** Le problème de la volonté; nouvelles données psycho-physiologiques. J. psychol. norm. path., Par., 1939, **36**: 397–423.—**Body** and mind; some new interrelations. What's New, North Chic., 1946, No. 108, 7–9.—**Bosanquet, W. C.** The physical aspect of consciousness of mind. In his Meditatio med., Aldershot, 1937, 71–115.—**Brandt, H. F.** Ocular patterns as indices of intellectual achievement. Proc. Iowa Acad. Sc., 1941, **48**: 367–74.—**Clites, M. S.** Certain somatic activities in relation of successful and unsuccessful problem solving. J. Exp. Psychol., 1935, **18**: 708–24.—**Compton, E. H.** A study of the relations of mental and physical abilities. Abstr. Theses Univ. Pittsburgh, 1932, **8**: 313.—**Crafts, L. W. J., Schneirla, T. C.** [et al.] The motor theory of thinking. In: their Recent Exper. Psychol., 15. impr., N. Y., 1938, 371–84, illust.—**Crile, G.** The physical nature of mental processes. Tr. Am. Laryng. Ass., 1934, **56**: 63–9.—**Curtis, W. B.** PS relationships. Kentucky M. J., 1940, **38**: 313–8.—**Donath, J.** Wechselwirkung von Seele und Körper. Deut. Aerzte Ztg, 1932, **7**: No. 309.—**Dunbar, F.** Emotions and bodily changes; a report of some recent PS studies. Ann. Int. M., 1940–41, **14**: 839–53.—**Hinrichs, M. A.** Some correlations between health, intelligence quotient, extracurricular activities, and scholastic record. Res. Q. Am. Ass. Health, 1941, **12**: 228–41.—**Kennedy, F.** The inter-relationship of M & B. Proc. Ass. Res. Nerv. Ment. Dis. (1938) 1939, **19**: 1–15.—**Kučera, E.** Experimentelle Beiträge zur Charakteristik der Willenshandlung. Arch. ges. Psychol., 1930, **77**: 223–48.—**Lehman, H. C.** Intellectual versus physical peak performance; the age factor. Sc. Month., 1945, **61**: 127–37.—**Liefmann, E.** Ueber Leistungsprüfungen von Schulkindern insbesondere die Beziehungen der sog. gnost. Intelligenz zu körperlichen Leistungen und zur Gesundheit. Zschr. Kinderpsychiat., Basel, 1945–46, **12**: 65–77.—**Lowe, M. F.** The application of the balance to the study of the bodily changes occurring during periods of volitional activity. Brit. J. Psychol., 1935–36, **26**: 245–62, pl.—**Marx, H.** PS Wechselwirkungen. Klin. Wschr., 1933, **12**: 689–92.—**Ogden, C. K.** Bodies as minds. Psyche, Lond., 1926, **7**: 21–8.—**Oswald, A.** Die Beziehungen zwischen Leib und Seele. Schweiz. med. Wschr., 1931, **61**: 29–36.—**Ponte, V.** Correlações PS. Neurobiologia, Recife, 1943, **6**: 194–201.—**Postle, B. L.** PS relationships. Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ., 1938, **5**: 117–9.—**Ritchie, H.** The interaction of M & B. Med. J. Australia, 1940, **2**: 253–5.—**Saavedra, A. M.** Correlaciones PS. Eugenesia, Méx., 1942, **3**: No. 29, 6; No. 30, 8.—**Schachter, M., & Cotte, S.** Rang de naissance et niveau intellectuel. Criança port., 1946–47, **6**: 101–4.—**Schultz, J. H.** Die Reichweite des Seelischen im Körpergeschehen. Forsch. & Fortsch., 1936, **12**: 54. ——— Die Beziehungen von Leib und Seele. In: Norm. Krankh. Steuerung [etc.] (Adam, C.) Jena, 1937, 8–14.—**Shock, N. W.** Some psychophysiological relations. Psychol. Bull., 1939, **36**: 447–76.

—— Correlations and interactions: Special organ relations.

Astvacaturov, M. I. [PS correlations in diseases of the internal organs] Sovrem. probl. teor. med. (Jackson, R. E.) Moskva, 1936, **1**: 115–31.—**Crookshank, F. G.** Organ-Jargon. Brit. J. M. Psychol., 1930, **10**: 295–311.—**Schultz, I. H.** Die PP Organfunktion und ihre therapeutische Beeinflussung. Med. Welt., 1939. **13**: 847.—**Stekel, W.** Die Autonomie der Organe. Psychother. Prax., Wien, 1934, **1**: 1–9.

—— Cybernetics.

Wiener, N. Cybernetics; or, Control and communication in the animal and the machine. 194p. 23½cm. N. Y., 1948.

Bates, J. A. V. Mind, machine, and man. Brit. M. J., 1949, **2**: 177.—**Charvát, J.** Cybernismus, nauka o kontrole a spojích v živé hmotě a ve strojích. Biol. listy, Praha, 1949, **30**: 136–46.—**Ekehorn, G.** Mental patterns, the physical, the ENIAC, and the purely reflex. Acta med. scand., 1949, Suppl. **231**,

76–85.—**Gastaut, H.** Sur l'auto-régulation comparée des machines et du cerveau par les circuits réactifs ou réflexions sur la cybernétique. Sem. hôp., Par., 1949, **25:** 2710–7.—**Jefferson, G.** The mind of mechanical man. Brit. M. J., 1949, **1:** 1105–10.—**Margenau, H.** Wiener, N.: Cybernetics [Bk Rev.] Am. J. Sc., 1948–49, **247:** 342–4.—**Russell, S. B.** A thinking machine, planning and theories, mechanical reproduction of mental processes. Sc. Am., N. Y., 1915, **113:** 246.—**Ryle, J. A.** Man and the machine. Brit. M. J., 1949, **2:** 176.—**Wiener, N.** Cybernetics. Sc. Am., N. Y., 1948, **179:** No. 5, 14–8.

—— Development.

See also **Mind,** Development.

Dunbar, H. F. Your child's mind and body; a practical guide for parents. 324p. 21½cm. N. Y., 1949.

Fankhauser, G. *Der Richtungssinn der Entwicklung dargestellt an Aufsätzen und Zeichnungen des Schulalters [Bern] 100p. 21cm. Zür., 1944.

Hansen, W. Ueber das Werden von Formen der Willenshandlung; eine genetische, experimentelle Untersuchung. p.257–368. 23cm. Lpz., 1928.

Arch. ges. Psychol., 1928, **63:**

Lindheim, A. v. Saluti juventutis; der Zusammenhang körperlicher und geistiger Entwicklung in den ersten zwanzig Lebensjahren des Menschen. 2. Aufl. 546p. 25½cm. Lpz., 1908.

Asher, C., & Roberts, J. A. F. A study on birthweight and intelligence. Brit. J. Social M., 1949, **3:** 56–68.—**Bekhterev, V. M.** Ob evolucii nervno-psikhićeskoj dejatelnosti. Russ. vrach, 1913, **12:** 457; 497.—**Campbell, G. M.** Mental and physical development. J. R. Inst. Pub. Health, 1908, **16:** 617–22.—**Corsini, R.** Season of birth and mental ability of prison inmates. J. Social Psychol., 1946, **23:** 65–72.—**Jones, D. C.** A statistical study of the relationship between mental and athletic acitivity and physical or respiratory development. Science Progr., Lond., 1926, **20:** 260–9.—**Kōguti, Y.** Zidō ni okeru sintai to tinō to no kankei (sin-siryō ni tuite no saikenkyū) tinō to sintai-hatuiku, taikaku, eiyō, tōbu-sokudo to no kankei ni tuite [The relation of body intellect in the child; relation of intellect to bodily growth, physique, nutrition, and head measurements] Zyuzenkai zassi, 1937, **42:** 3304–21. ——— Zen-kenkyū no sōkatu, sintai hatuiku to tinō hattatu to no kankei ni kan-suru sōsetu [The relation of body to intellect in the child; summary of all studies, a lecture on the relation of bodily development to intellectual progress] Ibid., 3684–97.—**Kohnstamm, O.** Geistige Arbeit und Wachstum; eine energetischbiologische Fragestellung. Med. Klin., Berl., 1908, **5:** 1803.—**Maxfield, J. R.,** sr. How far can the body retard the normal development and functions of the mind? Dallas M. J., 1948, **34:** 28–31.—**Mohr, G. J.** PS problems in childhood. Child Develop., 1948, **19:** 137–42.—**Peiper, A.** Die neurologischen Grundlagen der psychischen Entwicklung. Med. Klin., Berl., 1940, **36:** 1323. Also Mschr. Kinderh., 1941, **87:** 179–205.—**Piaget, J.** Le problème neurologique de l'intériorisation des actions en opérations réversibles. Arch. psychol., Neuchâtel, 1947–49, **32:** 241–58.—**Rietz.** Körperentwicklung und geistige Begabung. Zschr. Schulgesundh., 1906, **19:** 65–98.—**Roberts, J. A. F.** Intelligence and season of conception. Brit. M. J., 1944, **1:** 320–2. ——— & **Asher, C.** Birthweight and intelligence. Am. J. Ment. Defic., 1949–50, **54:** 87–92.—**Roubinovitch, J.** L'état PS de l'adolescent normal. France méd., 1949, **12:** No. 6, 12–4.—**Schmidt, P.** Ueber leibseelische Reifung. Verh. Kongr. Sex. Reform (1930) 1931, 4. Kongr., 269–76.—**Sontag, L. W.** Some PS aspects of childhood. Nerv. Child, 1946, **5:** 296–304.—**Takaguti, Y.** Zidō no sintai hatuiku to tinō to no kankei ni tuite [Relation of bodily development in the child to mind] Zyūzenkai zassl, 1935, **40:** 4418–34.—**Tilney, F.** Correlative development of hand and brain in the evolution of intelligence with especial reference to education. Tr. Am. Neur. Ass., 1922, **48:** 350.—**Welch, L.** The genetic development of the associational structures of abstract thinking. J. Genet. Psychol., 1940, **56:** 175–206.—**Zuck, T. T.** The relation of physical development to mental expansion. Child Res. Clin. Ser., 1936, **3:** 6–15.

—— Digestive-system relations.

See also **Digestive system,** Physiology.

Grace, W. J., Seton, P. H. [et al.] Changes in lysozyme formation in the human colon in various emotional states. Bull. N. York Acad. M., 1948, **24:** 390.—**Portis, S. A.** The clinical significance of emotional disturbances affecting the stomach, duodenum and biliary tract. Psychosomat. M., 1944, **6:** 71–81.—**Santos, N., & Jaso, L.** Psychogene Regullerung über die Eingeweldefunktionen und den Stoffwechsel. Med. Klin., Berl., 1931, **27:** 55–7.—**Wolf, S.** Alterações da função gástrica associadas a vários estados emocionais. Rev. brasil. med., 1946, **3:** 781–4.—**Wolff, H. G.** Emotions and gastric function. Science, 1943, **98:** 481–4.

—— Electrophysiological aspect.

See also **Electroencephalography; Electrophysiology.**

Pech, J. Théorie electro-dynamique de la pensée. 42p. 8° Par., 1919.

Thiesen, J. W. Effects of certain forms of emotion on the normal electroencephalogram. 85p. 25½cm. N. Y., 1943.

Burge, W. E., Koons, E. G., & Burge, E. L. Further study on the electrical potential of the cerebral cortex in relation to consciousness, unconsciousness, and anesthesia. Am. J. Physiol., 1940, **129:** 325.—**Cohn, R.** The influence of emotion on the human electroencephalogram. J. Nerv. Ment. Dis., 1946, **104:** 351–7. ——— Hyperemotional states and the high-frequency EEG. In his Clin. Electroenceph., N. Y., 1949, 561.—**Finesinger, J. E., Brazier, M. A. B.** [et al.] A study of levels of consciousness based on electroencephalographic data in pentothal anesthesia. Tr. Am. Neur. Ass., 1947, **72:** 183–5.—**Gibbs, F. A., & Davis, H.** Alterations in the human electroencephalogram associated with disturbances of consciousness. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 40.—**Horst, L. van der.** Bewustzijnsprocessen en begeleidverschijnselen van de hersenen (een onderzoek naar de bio-electrische activiteit van de hersenschors) Psychiat. neur. bl. Amst., 1940–41, **44:** 443–54, 3 pl.—**Jacobson, E.** Electrical measurements of mental activities in man. Tr. N. York Acad. Sc., 1945–46, **8:** 272.—**Janzen, R., & Kornmüller, A. E.** Hirnbioelektrische Erscheinungen bei Aenderungen der Bewusstseinslage. Deut. Zschr. Nervenh., 1939, **149:** 74–92.—**Knott, J. R., Friedman, H., & Bardsley, R.** Some electroencephalographic correlates of intelligence in 8-year- and 12-year-old children. J. Exp. Psychol., 1942, **30:** 380–91.—**Koressios, N. T.** PS et électro-encéphalo-somatisme. France méd., 1947, **10:** No. 4, 18.

—— Endocrine relations.

See also **Endocrine system,** Function; also names of endocrine glands.

Abély, P., Assaily, A., & Lainé, B. Les facteurs vasculaires et endocriniens de l'affectivité. 192p. 20½cm. Par., 1948.

Benedek, T., & Rubenstein, B. B. The gonadal and the emotional cycle. In their Sex. Cycle in Women, Wash., 1942, **3:** 129–44.—**Danilevsky, V. J.** [Observations on the relations between emotions and endocrines] Radianska med., 1938, **3:** No. 5, 3–12.—**Danilov, A. A.** [Physiology of the emotions from the view-point of recent achievements in investigations of the glands of internal secretion] Priroda, 1940, **29:** 61–9.—**Diethelm, O., Doty, E. J., & Milhorat, A. T.** Emotions and adrenergic and cholinergic changes in the blood. Arch. Neur. Psychiat., 1945, **54:** 110–5.—**Gaskill, H. V., & Fritz, M. F.** Basal metabolism and the college freshman psychological test. J. Gen. Psychol., 1946, **34:** 29–45.—**Gellhorn, E., Allen, A., & Feldman, J.** Influence of emotional excitement on insulin content of blood in normals and psychotic patients. Proc. Soc. Exp. Biol., N. Y., 1941, **46:** 572–4. ——— Effect of emotional excitement on the insulin content of the blood; contribution to physiology of the psychoses. Arch. Neur. Psychiat., Chic., 1942, **47:** 499.—**Loeser, A. A.** Effect of emotional shock on hormone release and endometrial development. Lancet, Lond., 1943, **1:** 518.—**Marañón, G.** Sobre el factor hormonal de la emoción. An. Fac. med., Montev., 1937, **22:** 885–98. ——— El factor suprarrenal en la hipertensión emocional. In his Nuevos probl. clín. secr. int., Madr., 1940. 158–61.—**Wolf, W.** The role of the endocrine glands in emotional disturbances, crime and rehabilitation. J. Clin. Psychopath., 1945–46, **7:** 539–60.

—— Equilibrium.

Mathey, J. *Contribution à l'étude des balancements PS. 108p. 25cm. Par., 1938.

Baruk, H., & Mathey, J. Contribution à l'étude des balancements PS. Gaz. méd. France, 1936, **43:** 373.—**Tucker, B. R.** The emotion-reason balance. Phi Chi Q., 1938, **35:** 401–5.—**Yahuda, J.** Organic equilibrium. Med. Press & Circ., Lond., 1945, **214:** 124–6.

—— Experimental research.

Westgeest, G. J. C. Het samengaan van verschillen in lichamelijke geoefendheid enerzijds en psychische verschillen anderzijds; een experimenteel onderzoek. p.5–60. 24cm. Tilburg, 1941.

Tschr. zielkde, 1941, **33:**

Alrutz, S. Une méthode d'investigation des phénomènes psychophysologiques. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 247–62.—**Borchardt, L.** Neue Wege zur Erforschung des Leib-Seele-Problems. Arch. ges. Psychol., 1931, **81:** 461–76.—**Dispensa, J., & Hornbeck, R. T.** Can

intelligence be altered by physical agents? J. Psychol., Provincet., 1944, **17**: 95–106.—**Mueller, O.** The connection between physical and psychical conditions; an experimental investigation. Sc. Am. Suppl., N. Y., 1907, **64**: 163.—**Tinō** to sintai to no kankei ni tuite no tyōsa [Investigation of the relation of mind to body] Nippon gakkō eisei, 1937, **25**: 480–9.

—— **Fatigue** [Abbrev.: F for fatigue and equivalents; GU for geistige Ueberarbeit; MF for mental fatigue and equivalents]

Arai, T. Mental fatigue. 115p. 23cm. N. See also **Fatigue.**
Y., 1912.
Forms No. 54, Contrib. Educ. Teachers Coll. Columbia Univ.

Bills, A. G. Mental work and mental fatigue; four aspects of mental fatigue. p.37–112. 21cm. N. Y., 1943.
In his Psychol. Efficiency, N. Y., 1943.

Fermi, C. Fatica psichica e psico-fisica; sintomatologia, patogenesi, cause determinanti, condizioni predisponenti, profilassi e terapia. 519p. 25cm. Roma, 1941.

—— Fatica psichica; inchiesta internazionale fra professori universitari di svariate discipline. 154p. 25cm. Siena, 1943.

Huxtable, Z. L., White, M. H., & McCartor, M. A. A re-performance and re-interpretation of the Arai experiment in MF with three subjects. 52p. 25½cm. Wash., 1946.
Forms No. 5, v.59 (or, No. 275) Psychol. Monogr.

Aragona, G., & La Spada, F. Associazione verbale e F sensoriale uditiva. Arch. fisiol., Fir., 1940–41, **40**: 238–46.—**Barnes, T. C., & Amoroso, M. D.** Bioelectrical studies of F; further studies of alleged MF in students. Fed. Proc., Balt., 1947, **6**: 75.—**Barnes, T. C., & Brieger, H.** Electroencephalographic studies of MF. J. Psychol., Provincet., 1946, **22**: 181–92.—**Bartley, S. H.** Conflict, frustration and F. Psychosomat. M., 1943, **5**: 160–4. —— **& Chute, E.** Mental fatigue. In their Fatigue & Impairm., Lond., 1947, 302–23.—**Bills, A. G.** The relative importance of sensory, motor, and central factors in the F from mental work. Psychol. Bull., 1941, **38**: 559.—**Brozek, J. M.** Psychological factors in relation to performance and F. Fed. Proc., Balt., 1943, **2**: 134–44. Also Indust. Hyg. Digest, 1943, No. 10, 14.—**Chatagnon, P., Chatagnon, C., & Raimbourg, R.** Psychose d'épuisement avec maladie d'Addison traitée par l'acétate de desoxycorticostérone. Ann. méd. psychol., Par., 1942, **100**: pt 2, 90–4.—**Davis, D. R.** The disorganization of behaviour in F. J. Neur. Psychiat., Lond., 1946, n. ser., **9**: 23–9.—**Geldreich, E. W.** Mental work blocks and the galvanic skin response. Tr. Kansas Acad. Sc., 1943, **46**: 198–203.—**Lange, F.** Körperliche Krankheitszeichen bei GU. Münch. med. Wschr., 1940, **87**: 366; 398. Also Med. Klin., Berl., 1940, **36**: 872 (Abstr.)—**Motokawa, K., Mita, T., & Tuziguti, K.** Nō-ha to seisin-hirō [Brain-waves and MF] Nippon seirigaku zassi, 1944, **9**: 690–700.—**Myers, C. S.** Conceptions of MF. Am. J. Psychol., 1937, **50**: 296–306.—**Newburger, M.** The relative importance of homogeneity and difficulty in the development of MF at two different levels of intelligence. J. Appl. Psychol., 1942, **26**: 81–93.—**Peña Rubio, J.** La atención y la F intelectual del niño en relación con su estado orgánico. Actual. méd., Granada, 1944, **30**: 571–5.—**Poyer, G.** Activité mentale, travail intellectuel et F. J. psychol. norm. path., Par., 1921, **18**: 300–19. Also in Nouv. tr. psychol., Par., 1934, **4**: 412–54.—**Rayburn, C. R.** The MF states, symptoms and diagnosis. J. Oklahoma M. Ass., 1947, **40**: 375–8.—**Saintviteux, J.** Contribution expérimentale à l'étude de la F mentale et de l'économie du travail scolaire. Travail humain, 1948, **11**: 69–93.—**Shaternikov, M. N.** [Energy losses in professional mental work] Sborn. Vsesoiuz. sezd fiziol., 1937, 6. Congr., 342–6.—**Simonson, E.** Fatigue of the central nervous system. Clin. Proc., Cape Town, 1943, **2**: 112–6.—Symposium on F; inaugural meeting of the American Society for Research in PS Problems, New York, December 18, 1942. Psychosomat. M., 1943, **5**: 152–65.—**Trillot, J.** Apparition d'un syndrome hypomaniaque à la suite d'un surmenage intellectuel intense. Ann. méd. lég., 1940, **20**: 170–2.—**Valentiner, H. L.** The comparative fatigability of normal and mentally deficient children. J. Abnorm. Psychol., 1941, **36**: 51–61.—**Watkins, A. L., Cobb, S.** [et al.] Psychiatric and physiologic studies on F. Arch. Phys. M., 1947, **28**: 199–206.—**Yosikawa, H., & Hukuyama, T.** Hirō oyobi kaihuku ni kan-suru sei-kagaku-teki kenkyū [Biochemical studies on F and recovery] Kōsei kagaku, 1943, **4**: 388.

—— Hematological relations.

See also such terms as **Blood chemistry; Blood picture; Hematopoietic system.**

Bond, D. D. Sympathetic and vagal interaction in emotional responses of the heart rate. Am. J. Physiol., 1942–43, **138**: 468–78.—**Clouston, T. S.** Blood and mind. Edinburgh M. J., 1908, n. ser., **1**: 9–23.—**Cotugno, V.** Variazioni biochimiche indotte dalle emozioni nel sangue. Arch. sc. med., Tor., 1949, **87**: 201–6.—**Milhorat, A. T., & Diethelm, O.** Substances in blood of patients during emotional states; effect of the isolated rabbit intestine. Fed. Proc., Balt., 1947, **6**: 165.—**Monetti, G.** Emocitometria nello stato emotivo. Boll. Soc. ital. biol. sper., 1942, **17**: 649.—**Neumann, C., Lhamon, W. T., & Cohn, A. E.** A study of factors (emotional) responsible for changes in the pattern of spontaneous rhythmic fluctuations in the volume of the vascular bed of the finger tip. J. Clin. Invest., 1944, **23**: 1–9.

—— History of research.

Fochtman, V. A. *Das Leib-Seele-Problem bei George Trumbull Ladd und William McDougall. 114p. 8° Münch., 1928.

Antoni, N. Somatiskt och psykiskt i medicinens historia. Sven. läk. tidn., 1945, **42**: 2309–25.—**Bier, A.** Gedanken eines Arztes über die Medizin; die Seele; geschichtliche Entwicklung des Seelenproblems und eigene, endgültige Stellungnahme zu ihm. Münch. med. Wschr., 1928, **75**: 265; 307; 350.—**Chaddock, C. G.** Review of the growth of knowledge of the relations of the mind and the nervous system. Proc. Am. Med. Psychol. Ass., 1904, 82–99.—**Ferrari, A.** I rapporti psico-fisici e la loro interpretazione medico-biologica nel corso dei secoli. Minerva med., Tor., 1949, **40**: pt 2, Varia, 162–80.—**Ferraz Alvim, J.** Qual o valor psicológico da afirmação de Descartes; a alma é mais fácil de se conhecer do que o corpo? Rev. neur. psiquiat. S. Paulo, 1941, **7**: 65.—**Jordan, H.** Gehirn und Seele. Sudhoffs Arch., 1934–35, **27**: 250–66.—**Lloyd, A. H.** PP parallelism: a psychological episode in history. J. Philos., Lanc., 1917, **14**: 561–70.—**Loewenberg, R. D.** The significance of the obvious; an eighteenth century controversy on PS principles. Bull. Hist. M., 1941, **10**: 666–79.—**Nippert, O.** Einiges über Kants Ansichten von Naturgaben, Vererbung und dem Zusammenhang zwischen Körper und Seele. Volk & Rasse, 1932, **7**: 80–6.—**Podiapolsky, P.** De l'influence des états psychiques sur les changements de couleurs des cheveux et de la peau, et sur la guérison de la lèpre biblique [zaraath] Rev. hyprot., Par., 1907–08, **22**: 309; 335.—**Riese, W.** The 150th anniversary of S. T. Soemmerring's Organ of the soul; the reaction of his contemporaries and its significance today. Bull. Hist. M., 1946, **20**: 310–21.—**Schumacher, J.** Die Entwicklung des Leib-Geist-Seele-Gedankens von der Antike über Paracelsus bis zur Neuzeit. Med. Rdsch., Mainz, 1947, **1**: 242.—**Steen, H.** Das Leib-Seele-Problem in der Philosophie Hollands in 19. und 20. Jahrhundert. Ned. tschr. psychol., 1937–38, **5**: 480; passim.

—— Holistic aspect.

See also **Holism.**

Goldstein, K. The organism, a holistic approach to biology derived from pathological data in man. 533p. 20½cm. N. Y., 1939.

Pi Suñer, A. La unidad funcional. 3. ed. 2v., 230p.; 179p. 18½cm. Méx., 1944.

Desideriu, D. Orientări noui in neurologie; unitatea somatopsihică: Ardeal. med., Cluj, 1948, **8**: 10–3.—**Harrison, F. M.** PP unity. Delaware M. J., 1948, **20**: 156–9.—**Heyer, G. R.** The PS unity; a few practical inferences. J. Ment. Sc., Lond., 1938, **84**: 1069–71.—**Holism** (The) of the patient. Brit. M. J., 1936, **1**: 757.—**Jaspers, K.** Die Zuordnung von Leib und Seele in Ganzen. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 189.—**Klemm, O.** Die ganzheitspsychologische Theorie der Gefühle. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 306.—**Köhler, R.** Ueber Ganzheitsbetrachtung. Psychiat. neur. Wschr., 1939, **41**: 102–4.—**Korzybski, A.** The organism-as-a-whole. In his Science & Sanity, 2. ed., N. Y., 1941, 123–30.—**Picarel, F. J.** La unidad biopsíquica del niño. Bol. Inst. internac. amer. protec. inf., Montev., 1937–38, **11**: 583–92.—**Strecker, E. A., & Appel, K. E.** The intimate relation of body and mind. In their Discov. Ourselves, 2. ed., N. Y., 1943, 7–19.—**Wiese, I. S.** Body-mind unity. Am. J. Orthopsychiat., 1940, **10**: 532–47.

—— Medical aspect.

See subheading (Psychosomatic medicine)

—— Metabolic correlations.

See also **Metabolism,** Physiology.

Goldstein, H. A biochemical study of the metabolism of mental work. 57p. 24½cm. N. Y., 1934.
Forms No. 164, Arch. Psychol., N. Y.

Steinberg, J. The relation between basal metabolism and mental speed. 39p. 24½cm. N. Y., 1934.
Forms No. 172, Arch. Psychol., N. Y.

TOTTEN, E. Oxygen consumption during emotional stimulation. 79p. 26½cm. Balt., 1925.

Lokśina, E. S., & Efimov, V. V. [Dependence between the biological and physico-chemical properties of the cerebrospinal fluid and the emotional state in man] Biull. eksp. biol. med., 1942, **14**: 11–6.—**Meyer, A., Bollmeier, L. N., & Alexander, F.** Correlation between emotions and carbohydrate metabolism in two cases of diabetes mellitus. Psychosomat. M., 1945, **7**: 335–41.—**Mitolo, M.** Corpi creatinici e fosforo urinari nello stato emotivo. Ann. Fac. med. chir. Univ. Bari, 1943, **2**: 111–20, ch.—**Mittelstedt, A., & Novakovskaia, E. S.** Modification du métabolisme dans certains cas d'excitation émotionelle. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 48.—**Podolsky, E.** The chemistry of intelligence. Virginia M. Month., 1939, **66**: 625–8.

—— Mental effects upon body.

See also subheading (Psychosomatic disease: Pathogenesis)

BRITTAN, S. B. Man and his relations; illustrating the influence of the mind on the body; the relations of the faculties to the organs, and to the elements, objects and phenomena of the external world. 578p. 21½cm. N. Y., 1864.

LEUBA, J. *Les actions dynamiques du psychisme sur le physique; essai de confrontation des psychothérapies. 29p. 8° Par., 1930.

WITTKOWER, E. Studies on the influence of emotions on the functions of the organs. p.533–682. 8° Lond., 1935.

J. Ment. Sc., Lond., 1935, **81**:

Andersen, W. T. Nogle betragtninger over psyke kontra soma. Ugeskr. laeger, 1949, **111**: 1004–6.—**Brosse, T.** L'énergie consciente facteur de régulation psychophysiologique. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 305.—**Conklin, W. L.** The relation of mental attitude to bodily function. N. York M. J., 1908, **87**: 582–4.—**Crandall, L. A., jr, & Hill, T. S.** Cardiovascular and respiratory responses to emotion in psychopathic subjects and controls. Fed. Proc., Balt., 1946, **5**: No. 1, pt 2, 19.—**Demoll, R.** Die Beseelung der Organismen als wirksamer Faktor bei Veränderung des Körpers. Naturwiss. Rdsch., 1950, **3**: 10–3.—**Deutsch, F.** De l'influence du psychisme sur la vie organique. Rev. fr. psychanal., 1927, **1**: 105–19. ——— Die Einwirkung der Seele auf die physiologischen und pathologischen Vorgänge im Organismus. Münch. med. Wschr., 1930, 77: 1935–40.—**Göring, M. H.** Die Kraft der Seele. Hippokrates, Stuttg., 1939, **10**: 1074–6.—**Golla, F. L., & Antonovitch, S.** The respiration rhythm in its relation to the mechanism of thought. Brain, Lond., 1929, **52**: 491–509.—**Jensen, R. A.** Mental and emotional influences on the body. Med. School Digest, 1938–39, **2**: 95 (Abstr.)—**Kellogg, J. H.** Influence of the mind on the body. Good Health, 1937, **72**: 328; 361; 1938, **73**: 12.—**King, E. W.** The influence of the mind over the functions of the body. Pacific M. J., 1906, **49**: 193–206.—**Numa, L. E.** De quelques influences du psychique sur le physique. Caducée, Port-au-Prince, 1946, No. 23, 2–4.—**Osty, E., & Osty, M.** Die unbekannten Einwirkungen des Geistes auf die Materie. Zschr. Parapsychol., 1933, **8**: 145; passim.—**Rey, A., & Osterrieth, P. A.** Dominance de l'organisme mental sur l'organisme physique; la réaction d'ouverture des yeux. Arch. psychol., Genève, 1939–40, **27**: 157–71.—**Rey, A., & Zatorska, H.** La réaction d'ouverture des yeux pendant l'exécution d'actes simples. Ibid., 1940, **28**: 64–72.—**Schultz, J. H.** Die Reichweite des Seelischen im Körpergeschehen. Deut. med. Wschr., 1935, **61**: 1642–4.—**Stern, F. R.** The somatic aspect of emotional reactions. West Virginia M. J., 1945, **41**: 179–84.—**Walsh, J. J.** What the mind does to the body. Med. Times, N. Y., 1928, **56**: 158–63.—**Wright, T. B.** The influence of the mind in producing health and disease. J. Tennessee M. Ass., 1946, **39**: 271–81.

—— Pharmacological aspect.

See also under names of drugs having mental effects.

COLLINS, W. J. *The effects of certain parasympathomimetic substances on the emotions of normal and psychotic individuals [Ph. D.; Cath. Univ. America] 68p. 23cm. Wash., 1946.

DEVLIN, W. J. The effect of certain pharmacological preparations on the emotions of normal and psychotic individuals. 56p. 23cm. Wash., 1942.

Allers, R. Ueber die psychische Wirkung von Arzneimitteln. Zschr. ges. Neur. Psychiat., 1929, **122**: 204–25.—**Bowman, K. M.** Alteration of mental and emotional processes by chemical and hormonal agents. Proc. Ass. Res. Nerv. Ment. Dis. (1938) 1939, **19**: 108–11.—**Curran, F. J.** The effects of barbiturates and bromides on mental and emotional processes. Ibid., 154–71.—**Damrau, F.** Psychometric evaluation of sedatives. Med. Rec., N. Y., 1946, **159**: 349–51.—**Darrow, C. W.** Psychological effects of drugs. Psychol. Bull., 1929, **26**: 527–45.—**Meerloo, A. M.** [Provocation of psychopathologic conditions by sleep-producing agents] Ned. tschr. geneesk., 1930, **74**: pt 1, 3005–11.—**Wylie, M.** The mental effects of drugs. Surgo, Glasg., 1946–47, **13**: 66–8.—**Zutt, J.** Ueber die polare Struktur des Bewusstseins; durch psychiatrische Erfahrungen mit Pervitin angeregte Gedanken. Nervenarzt, 1943, **16**: 145–62.

—— Physiological relations.

DESORMEAUX, M. A. P. V. *Sur le problème de la régulation consciente des fonctions somatiques; à propos d'un cas. 39p. 24cm. Par., 1940.

TROLAND, L. T. The principles of psycho physiology; a survey of modern scientific psychology. 429p. 8° N. Y., 1929.

Arnold, M. B. Physiological differentiation of emotional states. Psychol. Rev., 1945, **52**: 35–48.—**Bena, E.** Physiological selection. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 579–606.—**Berger, H.** Physiologische Begleiterscheinungen psychischer Vorgänge. In: Handb. Neur. (Bumke & Foerster) Berl., 1937, **2**: 492–526.—**Desfosses, P.** Influence de la volonté sur les activités physiologiques. Presse méd., Par., 1936, **44**: 555.—**D'Oliveira Estéves, J. V.** Método para valorar y calificar cuantitativa y cualitativamente los resultados del test de la asociación del trabajo físico y mental. Rev. méd. lat. amer., B. Air., 1941, **26**: 618–28.—**Düker, H.** Experimentelle Untersuchungen zur Theorie der fortlaufenden Handlung. Ber. Deut. Ges. Psychol. (1933) 1934, 13. Kongr., 125.—**English, O. S.** The nature of the emotional states that disturb bodily function. Pennsylvania M. J., 1948–49, **52**: 689–91.—**Féré, C.** Note sur la durée de l'influence de la représentation mentale d'un mouvement sur le travail. C. rend. Soc. biol., 1905, **58**: 812.—**Freeman, G. L.** Mental activity and the muscular processes. Psychol. Rev., 1931, **38**: 428–49. ——— **& Pathman, J. H.** The relation of overt muscular discharge to physiological recovery from experimentally induced displacement. J. Exp. Psychol., 1942, **30**: 161–74.—**Hernández, A.** Fisiología de la emoción. Rev. Fac. med., Bogotá, 1940–41, **9**: 401–9.—**Jacobson, E.** Electrical measurements of neuromuscular states during mental activities; imagination and recollection of various muscular acts. Am. J. Physiol., 1930, **94**: 22–34.—**Jaspers, K.** Der PP Grund der Leistungen. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 167–76.—**Korchin, B.** Secretory reactions in PS studies. Abstr. Theses Cornell Univ. (1939) 1940, 284–7.—**Kraskin, L. H.** Emotions and their effect on body function. Am. J. Optometr., 1942, **19**: 290–303.—**Lambie, C. G.** The physiological basis of emotion. Proc. R. Australas. Coll. Physicians, 1946, **1**: 72–5.—**Martin, W. W.** Consciousness as organismic physiological functioning. Psychol. Rev., 1947, **54**: 99–115.—**Moore, T. V.** La fisiología de las emociones. Rev. psicol. gen. apl., Madr., 1947, **2**: 49–77. Also In his Driving Forces of Human Nature, N. Y., 1948, 128–44.—**Nelson Chaves.** Fisiologia da emoção. Neurobiologia, Recife, 1940, **3**: 245–56.—**Saul, L. J.** Physiological effects of emotional tension. In: Person. & Behav. Disord. (Hunt, J. M.) N. Y., 1944, **1**: 269–305.—**Solomon, M.** Psychophysiologic interrelationships. Arch. Neur. Psychiat., Chic., 1946, **55**: 678–80.—**Vaschide, N.** Les rapports du travail musculaire et du travail intellectuel. Gaz. hôp., 1905, **78**: 843–8.—**Wespi, H.** Beziehungen zwischen Physiologie und komplexer Psychologie. Schweiz. med. Wschr., 1941, **71**: 426–8.—**Whitehorn, J. C.** Physiological changes in emotional states. Proc. Ass. Res. Nerv. Ment. Dis. (1938) 1939, **19**: 256–70.—**Winterstein, H.** Die physiologischen Grundlagen der Willensfreiheit und das Problem des Strafrechts. Studium gen., Heidelb., 1947–48, **1**: 329–42.—**Wittkover, M.** Some observations on the influence of emotions on bodily functions. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 308.—**Wolf, G. A., jr.** Relation of emotion to bodily function. Interne, 1946, **12**: 96–9.—**Wolf, S., Holmes, T. H.** [et al.] Physiologic mechanisms of PS phenomena. Pennsylvania M. J., 1948–49, **52**: 681–8.—**Wright, S.** The physiology of emotions. In: Modern Trends Psychol. Med. (Harris, N. G.) Lond., 1948, 19–50.

—— Psychoneural correlations.

See also **Conditioned reflex.**

BLEULER, P. E. Ableitung des Bewusstseins aus der Funktion des Zentralnervensystems. p.20–75. 25cm. Berl., 1921.

In his Naturgesch. d. Seele, Berl., 1921.

CAMPION, G. G., & SMITH, G. E. The neural basis of thought. 167p. 8° Lond., 1934.

HERMANN, R. Versuch einer mechanistischen Analyse des Seelen- und Nervenlebens (Grundzüge einer Psycho-Neuro-Physik) 154p. 8° Lpz., 1933.

Laguarda Nevicati, M. M. Principios generales de la dinámica neuro-psíquica relacional. 192p. 19½cm. Montev., 1944.

Moore, T. V. Consciousness and the nervous system. 94p. 8°. Balt., 1938.
Forms No. 3, v.4, Stud. Psychol. Cath. Univ. America.

Scheidt, W. Grundlagen einer neurologischen Psychologie. 256p. 8°. Jena, 1937.

—— Aufbau einer neurologischen Psychologie. 192p. 25½cm. Jena, 1938.

Tournay, A. Physiologie spéciale du système nerveux. p.223–92. 24½cm. Par., 1930.
In: Nouv. tr. psychol., Par., 1930, 1:

Bard, P. Neural mechanisms in emotional and sexual behavior. Psychosomat. M., 1942, **4**: 171.—**Bunnemann.** Physikalische Anschauungsweisen in neurologisch-psychiatrischer Literatur, ein Kapitel zur Leibseelenfrage. Mschr. Psychiat., 1914, **36**: 138–74.—**Cabanac, J.** Réflexions philosophiques sur le développement du système nerveux et de l'intelligence de l'homme. Arch. Soc. sc. méd. biol. Montpellier, 1937, **18**: 207–12.—**Cárdenas Rodríguez, M. de.** El sistema nervioso central y la inteligencia. Medicina, Madr., 1934, **5**: pt 2, 207–16, ch.—**Donati, G.** Sistema nervoso vegetativo ed emozione. Gior. med. mil., 1947, **94**: 105; 192.—**Hrbek, J.** Problém center a lokalisace funkcí nervových a psychických. Cas. lék. česk., 1949, **88**: 5–10.—**Müller, L. R.** Neurologische Bemerkungen über die Beziehungen des Körpers zu seelischen Vorgängen. Münch. med. Wschr., 1933, **80**: 1587; 1632.—**Nicati, W.** La fonction mentale; phénomène de contrementalité. Rev. internat. méd. chir., 1927, **38**: 104; 118.—**Piaget, J.** L'intelligence et la maturation nerveuse. Schweiz. Zschr. Psychol., 1948, **7**: 307.—**Pi Suñer, A.** Les émotions dans leurs relations avec le fonctionnement nerveux et neuro-humoral. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 295–304.—**Rashevsky, N.** The neural mechanism of logical thinking. Bull. Math. Biophys., 1946, **8**: 29–40.—**Vázquez Velasco, C.** La emoción como reflejo neurovegetativo. An. med. int., Madr., 1935, **4**: 393–9.—**Zeitlin, S. M., & Voskoboinikova, V. A.** Activité biologique du liquide cérébro-spinal et du sang sous l'effet de l'excitation émotionnelle du système nerveux central. Bull. biol. méd. exp. URSS, 1937, **4**: 71–4.—**Zimkina, A. M., & Zimkin, N. V.** O dinamike nervnykh processov v posledovatelnykh ośćuśćenijakh i obrazakh. Fiziol. zh. SSSR, 1950, **36**: 83–91.

—— Psychophysical junction.

Gurley, R. R. What is mental, what physical: the concepts fundamental in the sciences. p.201–48. 22½cm. N. Y., 1913.

Britto, A. de. Elo PS; visão de conjunto. Rev. méd. brasil., 1945, **18**: 221–30.—**Sack, W.** Zum Mechanismus der PP Schaltung. Nervenarzt, 1933, **6**: 57–62.—**Strömberg, G.** The physical and the non-physical worlds and their intermediate elements. Sc. Month., 1942, **54**: 71–80.

—— Psychophysical parallelism [Abbrev.: PP psychophysical and equivalents; PPP psychophysical parallelism, and equivalents]

See also subheading (Theories)

Büttner, G. Das psycho-physische Verhältnis als Grundproblem der Entwicklungslehre, der Psychologie und der Philosophie. p.233–87. 25½cm. Stuttg., 1909.
Zschr. Ausb. Entwickl., 1909, 3:

Driesch, H. Mind and body, a criticism of PPP. 163p. 8°. Lond., 1927.

Abramovitsch. La dualité et le Primum movens. Evolut. méd. chir., 1924, **5**: 218–20.—**Anderson, W. L. G.** A study in PPP. West London M. J., 1942, **47**: 6–9.—**Bon, H.** L'âme et le corps. In his Précis d. méd. cath., Par., 1936, 141–69.—**Ekehorn, G.** The PP dualism compared to wave- & particle-behaviour dualism. Acta med. scand., 1949, Suppl. 231, 65–7. —— The PPP. Ibid., 371–86.—**Fox, H.** Somatic symbolization versus PS dualism. Psychiatry, Balt., 1942, **5**: 7–13.—**Meyer, A. E.** Every individual is a composite of a mental and physical self. Trained Nurse, 1944, **113**: 251–4.—**Miroglio, A.** Trois réfutations du PPP. Rev. philos. France, 1937, **124**: 215–54.—**Müller, A.** Ueber die heutige Lage des PPP und der Wechselwirkungstheorie. Naturwiss. Wschr., 1915, **14**: 497–507.—**Pascal, T.** De la dualité des véhicules de conscience. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 698–712.—**Phelps, A. S.** The mental duct. Am. J. Psychol., 1918, **29**: 449.—**Savage, G. C.** The duality of man. J. Am. M. Ass., 1907, **48**: 1995–9.

—— Psychophysics [Abbrev.: PP for psychophysical, and equivalents]

Reiss, H. Versuch einer mechanistischen Analyse des Seelen- und Nervenlebens; Grundzüge einer Psycho-Neuro-Physik. 154p. 8°. Lpz., 1933.

Cobb, P. W. Weber's law and the Fechnerian muddle. Psychol. Rev., 1932, **39**: 533–51.—**Georgi, F.** PP Korrelationen; Wege, Ziele und Grenzen PP Forschung. Schweiz. med. Wschr., 1948, **78**: 553–7.—**Gilbert, G. M.** Dynamic and the Phi phenomenon. Arch. Psychol., N. Y., 1939, No. 237, 5–43.—**Lasarew.** Ueber das PP Gesetz. Klin. Wschr., 1927, **6**: 1875.—**Lipps, G. F.** Zwei Briefe von Wilhelm Weber an G. Th. Fechner über das psychische Mass. Ber. Sächs. Ges. Wiss., Math. phys. Kl., 1905, **57**: 388–95.—**McConnell, R. A.** Physical or non-physical? J. Parapsychol., 1947, **11**: 111–7.—**Philip, B. R.** The Weber-Fechner law and the discrimination of color mass. J. Exp. Psychol., 1941, **29**: 323–33.—**Philippe, J.** Pour et contre la PP. Rev. philos., Par., 1909, **68**: 113–49.—**Ramul, K.** Moderne Physik und Psychologie. Arch. ges. Psychol., 1936, **97**: 47–72.—**Thurstone, L. L.** Fechner's law and the method of equal-appearing intervals. J. Exp. Psychol., 1929, **12**: 214–24. —— Psychophysics. In: Encycl. Psychol., N. Y., 1946, 640–4. —— PP methods. In: Meth. Psychol. (Andrews, T. G.) Chic., 1948, 124–57.—**Weber, E.** Bemerkung zu der Abhandlung: Die körperl. Begleiterscheinungen seelischer Vorgänge [mit Erwidcrung von E. Leschke] Arch. ges. Psychol., 1911, **21**: 579–81.—**Weizsäcker, V. v.** Ueber PP. Nervenarzt, 1943, **16**: 465–76.—**Wirth, W.** Das Wesen der PP Gesetzmässigkeit. Arch. ges. Psychol., 1927, **60**: 205–33.—**Young, G., & Householder, A. S.** A note on multidimensional PP analysis. Psychometrika, Cincin., 1941, **6**: 331–3.

—— Psychosomatic constitution.

See also **Constitution.**

Blumencron, W. Konstitution und körperlich-seelische Wechselwirkung. Prakt. Arzt, 1949, **3**: 107–17.—**Child, I. L., & Sheldon, W. H.** The correlation between components of physique and scores on certain psychological tests. Character & Personality, 1941–42, **10**: 23–34.—**Enke, W., & Hildebrand, E.** Erfassungs- und Aussageform bei den Konstitutionstypen. Zschr. menschl. Vererb., 1939–40, **24**: 547–65.—**Just, G., & Kramaschke, W.** Abiturientenleistung und Konstitutionstypus. Ibid., 248–59.—**Köhler, E.** Leistungsdynamik und Affekt bei den Konstitutionsformen; experimentelle Studien. Ibid., 1943–44, **27**: 69–113.—**Kramer-Petersen** [Physical and psychological features in diagnosis and treatment] Ugeskr. laeger, 1936, **98**: 989–99.—**Lachapelle, P.** Constitution émotive. In his Psychiat. pastor., Montréal, 2. éd., 1942, 139–52.—**Mira, E.** Influencia de la personalidad psíquica en la fisiología y la patología somáticas. Rev. méd. Barcelona, 1928, **10**: 425–38.

—— Psychosomatic disease [Abbrev.: PS for psychosomatic]

See also subheading (Psychosomatic medicine) also **Mind,** Pathology.

Brauchle, A. Körperliche und seelische Gleichgewichtsstörungen, ihre Folgen und deren naturgemässe Behandlung. Hippokrates, Stuttg., 1934, **5**: 7–23.—**Buttersack.** Gesunde Kranke und kranke Gesunde. Zschr. ärztl. Fortbild., 1934, **31**: 341.—**Deb, A. K.** PS illnesses. Ind. M. Rec., 1948, **68**: 161.—**Flournoy, H.** Les maladies PS. Méd. & hyg., Genève, 1949, **7**: 131–3.—**Halliday, J. L.** The significance of the concept of a PS affection. Psychosomat. M., 1945, **7**: 240–5.—**Lichtenstein, P. M., & Small, S. M.** PS illnesses. In their Handb. Psychiat., N. Y., 1943, 155–64.—**Livers.** Psychologie und Krankheit. Naturheilkunde, Bern, 1949, **46**: 61.—**López Ibor, J. J.** Patología PS y patología personal. Medicamenta, Madr., 1946, **4**: 257; 299.—**Miller, C. W., jr.** PS disorders. J. Tennessee M. Ass., 1948, **41**: 206–12.—**Oberhofer, B., Radošević, Z., & Rosenzweig, A.** O značenju PS poremećaja. Liječ. vjes., 1949, **71**: 342–9.—**Randolph, H. C.** PS disorders. Northwest M., 1943, **42**: 102–4.—**Ravà, G.** Malattie PS, psiconevrosi, psicoterapia. Minerva med., Tor., 1949, **40**: pt 2, Varia, 106.—**Rocha, O.** Psiconeuróticos e PS. Rev. brasil. med., 1949, **6**: 493–8.—**Strauss, R.** Zum Kapitel: Physisches und psychisches Kranksein. Schweiz. med. Wschr., 1937, **67**: 227.—**Wibrotte, J.** Problème posé au praticien par les troubles PS. Concours méd., 1949, **71**: 1276.

—— Psychosomatic disease: Cases.

Berg, C. A mysterious illness. In his Case Book, N. Y., 1948, 142–52.—**Caprio, F. S.** A day in the office of a psychiatrist. Med. Rec., N. Y., 1946, **159**: 224–8.—**Cobb, S.** Human nature and the understanding of disease. In: Hosp. in Contemp. Life (Faxon, N. W.) Cambr., 1949, 108–36.—**Cover, E. M.** Co-existence of organic and PS disease; case report. Virginia M. Month., 1948, **75**: 359.—**Ferrer de Mendiolea, L.** Un caso de infelicidad. Sugestiones, Méx., 1949–50, **15**: No. 170, 57–60.—**Fitz, R.** The case of James. Tr. Ass. Am. Physicians, 1940, **55**: 196–8.—**Grant, W.** A case of PS interest. Manitoba M. Rev., 1945, **25**: 536–8.—**Hume, P. B.** Shattered students in an atomic age. Proc. Pacific Sect. Am. Student Health Ass., 1947, **10**: 6–20.—**Laín Entralgo, P.** Enfermedad y biografía; cuatro viñetas de historia contemporánea. Medicamenta, Madr., 1949, **7**: pt 2, 289; passim.—**Leadingham, R. S.** PS illnesses in urban practice. Bull. Fulton Co. M. Soc., 1942, **16**: No. 11 ,7. Also Ann. Int. M., 1943, **19**: 741–8.—**Martínez**

Gómez, S. Cómo eslabonar la cadena PS de este caso práctico? Galicia clín., Coruña, 1948, **20:** 339–51. ——— Ni apendicitis ni colecistitis; estudio de un caso clínico. Ibid., 1949, **21:** 867–79.—**Miller, E., Wilson, A. T. M., & Wittkower, E.** Clinical case studies and their relationships, including the PS disorders. In: Neuroses in War (Miller, E.) N. Y., 1940, 55–84.—**Neustatter, W. L.** Cases of converted emotion. In his Early Treat. Nerv. Ment. Disord., Lond., 1940, 164–6.—**Siegel, Z.** Zwei Fälle aus der Praxis der kleinen Analyse. Psychoanal. Praxis, 1933, **3:** 77–82.—**Weiss, E., & English, O. S.** Organic and psychic disease coexisting; silent gallstones; cholecystectomy; arteriosclerotic Parkinson disease; atypical depression; and conversion hysteria; case report. In their Psychosomat. Med., Phila., 1943, 474–6.—**Zempléni, W. J.** Psychische Gründe, somatische Wirkungen; zwei Fälle. Zbl. Gyn., 1931, **55:** 3012–4.

—— Psychosomatic disease, chronic.

Ruesch, J., Harris, R. E. [et al.] Chronic disease and psychological invalidism; a PS study. 191p. 26cm. N. Y., 1946.

Halliday, J. L. PSM and the medical officer; PS aspects of chronic sickness. Health Bull., Edinb., 1946–47, **5:** 19–23.—**Weiss, E.** PS aspects of chronic disease. Proc. M. Sect. Am. Life Convent., 1946, **34:** 45–72.

—— Psychosomatic disease: Clinical aspect

[Abbrev.: PS for psychosomatic; M for medicine]

Carrera Domínguez, P. Notas de psicopatología, la emoción en la clínica. Medicina, Madr., 1942, **10:** pt 1, 501–18.—**Dubnikov, E. I.** [Rôle and significance of the psychological factor for the clinic] Sovet. klin., 1934, **20:** 448–54.—**Hinsie, L. E.** A clinical description of PSM. Med. Clin. N. America, 1944, **28:** 525–52.—**Martínez Gómez, S.** Observaciones clínicas neuro-endocrinas y PS de poca monta. Galicia clín., Coruña, 1948, **20:** 555–8. Also Med. españ., 1949, **12:** 439–43; 529.—**Schwartz, L. A.** Clinical implications of PSM; a summary of 300 case histories. Harper Hosp. Bull., Detr., 1941–42, **1:** 76–9. Also Arch. Neur. Psychiat., Chic., 1942, **48:** 158. Also Dis. Nerv. Syst., 1942, **3:** 332–9.—**Serebrinsky, B.** La emoción en clínica. Sem. méd., B. Air., 1945, **52:** pt 1, 636–51.—**Weinberg, A. A.** [Mutual relations between psyche and vegetative nervous system and their importance in clinical medicine] Psychiat. neur. bl., Amst., 1928, **32:** 260–71, pl.—**Zeno, L.** Clínica PS. An. cirug., Rosario, 1943, **9:** 125–42. Also Día méd., B. Air., 1944, **16:** 264–8.

—— Psychosomatic disease: Diagnosis.

Barilari, M. J. Comentarios a propósito de un problema de diagnóstico. Día méd., B. Air., 1949, **21:** 1183–96. ——— & **Berruezo, J. J.** El interrogatorio PS. Ibid., 1948, **20:** 1780–7.—**Bennett, A. E.** PS syndromes; errors in diagnosis and treatment. Texas J. M., 1949, **45:** 676–82.—**Burns, M. M.** A family history influences treatment and prevention. Connecticut M. J., 1941, **5:** 207–9.—**Cavanagh, J. R.** The PS history. Med. Ann. District of Columbia, 1946, **15:** 325–9.—**Cobb, S.** Technic of interviewing a patient with PS disorder. Med. Clin. N. America, 1944, **28:** 1210–6.—**Crider, B., & Schott, R.** The interpretation of PS complaints to the patient. Ohio M. J., 1950, **46:** 130–2.—**Delay, J.** L'observation PS. Presse méd., 1948, **56:** 425.—**Gildea, E. F.** PSM and methods of diagnosis. Postgrad M., 1948, **3:** 353–8.—**Grinker, R. R.** There is nothing physically the matter. J. Am. M. Ass., 1941, **117:** 1377.—**Hart, A. D.** PS diagnosis. Ibid., 1948, **136:** 147–52.—**Kubis, J. F.** Experimental and statistical factors in the diagnosis of consciously suppressed affective experience. J. Clin. Psychol., 1950, **6:** 12–6.—**Leadingham, R. S.** The recognition and management of early PS disorders. J. M. Ass. Georgia, 1947, **36:** 19–23.—**Lipkin, M., & Sharp, L. I.** PSM; some notes on its application in the diagnosis and treatment of disease. Ann. Int. M., 1944, **20:** 760–7.—**O'Neill, D.** PSM; diagnosis and treatment. Nurs. Times, Lond., 1949, **45:** 202.—**Pérez Pastorini, V.** Valor de la anamnesis asociativa en MPS. Rev. psicoanál., B. Air., 1945, **3:** 43–64.—**Randolph, A. C.** PS history taking. North Carolina M. J., 1949, **10:** 253–7.—**Seguín, C. A.** La historia clínica PS. Gac. méd., Lima, 1945–46, **2:** 192–210.—**Souza, F. de.** Técnicas especiais de exame na investigação dos problemas PS. Fol. méd., Rio, 1948, **29:** 77–81.—**Tillotson, K. J.** The study of the patient from a PS standpoint. N. England J. M., 1944, **231:** 753–7.—**Weiss, E.** PS diagnosis. Am. Practitioner, 1946–47, **1:** 156–62. Also Med. Rec., Houston, 1948, **42:** 466–71.

—— Psychosomatic disease: Diagnosis, differential.

Barilari, M. J., Berruezo, J. J., & Berard, E. L. El criterio dinámico-integral en MPS. Día méd., B. Air., 1948, **20:** 1849–53.—**Browne, A. M.** Diagnóstico de psico-génesis. Ibid., 1947, **19:** 282–5.—**Dunbar, H. F.** Criteria for PS diagnosis and therapy, with special reference to cardiovascular syndromes. Arch. Neur. Psychiat., Chic., 1943, **50:** 735–40.—**Gillespie, R. D.** The clinical differentiation of psychogenic and physiogenic disorders. Brain, Lond., 1928, **51:** 254–75.—**Harrower-Erickson, M. R.** Diagnosis of psychogenic factors in disease by means of the Rorschach method. Psychiat. Q., 1943, **17:** 57–66.—**Redwood, F. H.** Can you separate nervous ailments from the physical? Med. World, N. Y., 1946, **64:** 533–7.—**Saslow, G.** Criteria for diagnosis of PS symptoms. J. Missouri M. Ass., 1947, **44:** 894–6.—**Tournier, P.** Troubles fonctionnels et psychiques. In his Méd. de la personne, 7. éd., Neuchâtel, 1943, 38–52.

—— Psychosomatic disease: Incidence.

Wakesima, T. Taiwan ni okeru seisin-sinkeibyō no sin-insei ni tuite; kōmin no nettaizyunka narabi-ni minzoku-seisin-igaku-teki kōsatu (Ueber die Psychogenität der Neurosen und Psychosen in Formosa; eine Tropenakklimatisations- und rassenpsychiatrische Betrachtung) p.32–84. 25cm. Taihoku, 1942.

In: Taiwan igakkai zassi, 1942, **41:** Suppl. 6.

Halliday, J. L. The incidence of PS affection in Britain. Psychosomat. M., 1945, **7:** 135–46. Also Health Bull., Edinb., 1946–47, **5:** 9–11.—**Lock, F. R., & Donnelly, J. F.** The incidence of PS disease from a private referred gynecologic practice. Am. J. Obst., 1947, **54:** 783–90.—**Miller, C. W., jr.** PS disorders encountered in general hospital practice. Memphis M. J., 1947, **22:** 158–63.—**Weider, A., & Mittelmann, B.** Personality and PS disturbances among industrial personnel. Am. J. Orthopsychiat., 1946, **16:** 631–9.

—— Psychosomatic disease: Manifestation

[Abbrev.: PS for psychosomatic; M for medicine]

Murray, J. B. Some common PS manifestations. 101p. 18cm. Lond., 1949.

Arruda, E. Os sintomas PS; estudo fenomenológico. Impr. méd., Rio, 1948–49, **24:** No. 414, 30–6.—**DeCourcy, C., & Vollmer, J. E.** Objective findings in PS dysfunction. Ohio M. J., 1949, **45:** 349.—**Farreras Valentí, P.** Sobre la naturaleza y clínica compleja de los pacientes afectos de neurodistonías vegetativas; contribución al estudio de la MPS. Rev. clín. españ., 1948, **29:** 23–7.—**Fenichel, O.** Nature and classification of the so-called PS phenomena. Psychoanal. Q., 1945, **14:** 287–312.—**Friedman, A. P., & Nielsen, J. M.** Loss of emotional expression and body scheme. Bull. Los Angeles Neur. Soc., 1942, **7:** 206.—**Garma, A.** Aspectos PS de la medicina; gestosis, asma, ciclo sexual femenino, úlcera péptica. Rev. méd. Hosp. españ., B. Air., 1944–45, **14:** 215–30.—**Hellpach, W.** Psychom und Graphom. Aerztl. Forsch., 1948, **2:** 52–61.—**Jaspers, K.** Die Symptomenkomplexe der abnormen Gemütszustände. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 499–501.—**London, L. S.** PS neuroses. In his Libido & Delusion, 2. ed., Wash., 1946, 26–30.—**Pearce, J. D. W.** Some common PS disabilities, Med. Press, Lond., 1947, **217:** 359–62.—**Rennie, T. A. C.** PS manifestations; general aspects. Tr. Am. Acad. Ophth. Otolar., 1947–48, **52:** 65–73.—**Schachter, M.** Intrications PS de psychopathologie de la vie quotidienne. Strasbourg méd., 1949, **109:** 3–9.—**Targowla, R.** Les syndromes PS. Presse méd., 1931, **39:** 1293–5.—**Wittgenstein, O.** Zwei PS Behandlungsberichte; Polyarthritis und Basedow. In: Menschen in Not (Heyer, G. R.) Stuttg., 1951, **2:** 60–71.

—— Psychosomatic disease: Manifestation, corporeal.

Baker, D. M. Cardiac symptoms in the neuroses. 49p. 18cm. Lond., 1942.

Cauldwell, D. O. Sex and psycho-somatology; a study of the various aspects of the relation of PSM to sexuality and sexual disorders, including important endocrine data. 32p. 21½cm. Girard, Kan., 1947.

Evans, W. A. Hypertensions, the modern scourge. 271p. 21cm. Dallas, 1945.

Forms v.3, of his Human Techn.

Abrahams, A. Physical aspects of psychological disease. Lancet, Lond., 1935, **1:** 473–6.—**Adler, A.** Physical manifestations of psychic disturbances. Individ. Psychol. Bull., 1944–45, **4:** 3–8.—**Bachrach, W. H., Grossman, M. I., & Ivy, A. C.** The terminology of somatic changes accompanying emotional states. J. Am. M. Ass., 1948, **137:** 1619.—**Bieber, I., & Tarachow, S.** Autonomic symptoms in psychoneurotics. Psychosomat. M., 1941, **3:** 253–62.—**Braatöy, T.** The neuromuscular hypertension and the understanding of nervous conditions. J. Nerv. Ment. Dis., 1942, **95:** 550–67.—**Büchler, P.** Affektpsychose und vegetativ-endokrine Störungen. Arch. Psychiat., Berl., 1928–29, **86:** 654–64.—**Chatagnon, A., & Klein, F.** Gastro-entéro-colite avec fièvre déclenchée par l'examen psychanalytique chez une jeune fille étiquetée hébéphrène; un cas expérimental de manifestations PS. Ann. méd. psychol., Par., 1949, **107:** pt 2, 335–7.—**Dunbar, F.** Character and symptom formation; some preliminary notes with special reference to patients with hypertensive, rheumatic and coronary disease. Psychoanal. Q., 1939, **8:** 18–47.—**Euzière, J.** Troubles

digestifs et système nerveux. In: Prat. gastroentéro. (Baumel, J.) Par., 1942, 272–82.—**Ficarra, B. J.** PS symptoms and borderline hyperthyroidism. Am. J. Surg., 1946, **71:** 363.—**Frey, E.** Klinische Beobachtungen zur Frage der Beziehungen der Psyche zu den vegetativen Funktionen bei Neurosen. Schweiz. Arch. Neur. Psychiat., 1934, **34:** 158.—**Fuentes, M.** Los síntomas somáticos en las psiconeurosis. Gac. méd. México, 1949, **79:** 202–10.—**Garma, A.** Aspectos PS de la medicina; gestosis, asma, ciclo sexual femenino, úlcera péptica. Rev. méd. Hosp. españ., B. Air., 1944–45, **14:** 215–30.—**Grolman, G. v.** Consideraciones sobre MPS en oftalmología; influencia de la psiquis del médico en la evolución de las afecciones orgánicas; ofthalmía simpática; glaucoma. Prensa méd. argent., 1950, **37:** 185–7.—**Harms, H. E.** Somatic substitutive reactions in adolescents. N. Orleans M. & S. J., 1948–49, **101:** 260–4.—**Hughes, J. C.** The psychic component in cardiac, diabetic and fracture patients. In: Cyclop. Med. (Piersol-Bortz) Phila., 1940, Serv. Vol., 326.—**Jaspers, K.** Somatische Befunde bei Psychosen. In his Allg. Psychopath., 4. Aufl., Berl, 1946, 208–11.—**Jelliffe, S. E.** The bodily organs and psychopathology. Am. J. Psychiat., 1935–36, **92:** 1051–76.—**Johnson, W. O.** Emotional disturbances with pelvic symptoms. South. Surgeon, 1939, **8:** 373–83.—**Knuders, O.** Disorders of the vegetative system and a concept of PS interrelationship. Abstr. Science Libr., Hartford, 1949, **17:** 366.—**Klimes, K.** A psychogen-tünetek kórszerkezetéröl. Orvostud. közl., 1944, **5:** 295; 365.—**Kovács, L.** Protoenergie psichiche e manifestazioni neurovegetative. In: Saggi di psicoanal., Roma, 1936, 189–202.—**Marchionini, A.** Beziehungen der Dermatologie zur Neurologie und Psychiatrie. Fortsch. Neur. Psychiat., 1941, **13:** 64–82.—**Metzger, F. C.** Emotions in the allergic individual. Am. J. Psychiat., 1946–47, **103:** 697–9.—**Minkowski, E.** L'anesthésie affective. Ann. méd. psychol., Par., 1946, **104:** pt 1, 80–8.—**Riboli, B.** Reazioni termiche emotive. Rass. stud. psichiat., 1949, **38:** 183–99.—**Rogerson, C. H.** Psychology in general practice; visceral neurosis. Practitioner, Lond., 1943, **151:** 178–86.—**Rome, H. P.** Neuromuscular and joint discases and the PS approach. Med. Clin. N. America, 1949, **33:** 1061–9.—**Roussy, G., Boisseau, J., & Oelsnitz, M. d'.** Hystérie et troubles physiopathiques. J. méd. Lyon, 1945, **26:** 647–67.—**Ruben.** Troubles mentaux et troubles digestifs. Homeopath. fr., 1949, **25:** 177–9.—**Sarić, D.** [Changes in the sympathetic nervous system in psychoneuroses] Rev. neur. psychiat., Praha, 1931, **28:** 15–9.—**Schindler, R.** Die Psychoneurosen des Verdauungstraktes. Ber. Allg. ärztl. Kongr. Psychother., 1927, 2. Congr., 184–94; Disc., 223–30.—**Stief, A.** Ueber die anatomischen Grundlagen der vegetativen Störungen bei Geisteskrankheiten. Deut. Zschr. Nervenh., 1927, **97:** 112–32.—**Vilhena, H. de.** Sôbre a expressão corporal das emoções conforme os géneros literários. Arq. anat., Lisb., 1938, **19:** 71–101.—**Weigner, W. C.** Physical symptoms from psychological sources. Rhode Island M. J., 1934, **17:** 167–71.—**Weiss, E., & English, O. S.** Special topics; allergy, dentistry, arthritis. In their Psychosomat. Med., Phila., 1943, 495–510.—**Weiss, F. A.** Physical complaints of neurotic origin. Summaries Lect. Ass. Advanc. Psychoanal., N. Y., 1949–50, No. 11, 1–4.—**Wulfeck, W. H.** Motor function in the mentally disordered; intraindividual consistency of expressive movement in psychotics, psychoneurotics, and normals. J. Psychol., Provincet., 1941, **11:** 151–60.

—— Psychosomatic disease: Manifestation, mental.

Cabaleiro Goas, M. En torno a la concepción PS de las personalidades psicopáticas y de las psiconeurosis. Med. españ., 1949, **22:** 546–57.—**Faure, J.** Rôle des tendances agressives dans les états PS. J. méd. Bordeaux, 1949, **126:** 247.—**Glover, E.** On the nature of psychological symptoms. Glasgow M. J., 1939, **131:** 189.—**Holland, J. A.** Mental symptoms, a manifestation of physical illness. Hahneman. Month., 1937, **72:** 833–7.—**London, L. S., & Caprio, F. S.** PS ailments associated with sexual pathology. In their Sex. Deviat., Wash., 1950, 638–52.—**Metcalfe, G. E.** Psychiatric manifestations in somatic illness. J. Am. Inst. Homeop., 1938, **31:** 721–5.—**Monnerot-Dumaine, & Stephan, E.** Les accidents médiats non mentaux déclanchés par les émotions; syndromes post-émotionnels. Rev. sc. méd. fr. Moyen Orient, Beyrouth, 1942, **1:** 17–43.

—— Psychosomatic disease: Pathogenesis.

See also other divisions of this subheading.

Atkin, I. M & B in human disease. Med. Press & Circ., Lond., 1940, **203:** 416–23.—**Bing, R.** Somatische Faktoren in der Gestaltung psychogener Symptome. Schweiz. med. Wschr., 1936, **66:** 953–60.—**Burke, N. H. M.** Some aspects of the inter-relation between bodily and mental disease. Brit. J. Psychol., 1926, **6:** Sect. Med., 110–20.—**Cosens, W. B.** Morning miseries. Lancet, Lond., 1934, **1:** 440; passim.—**De, N.** Relation between mental and physical diseases. Calcutta M. J., 1942, **39:** 431–44.—**Duseberg, G.** Gezeichnete. Hippokrates, Stuttg., 1936, **7:** 165–70.—**Dyer, O. C.** Psiquismo y enfermedad. Rev. san. policía, Lima, 1944, **4:** 161–8.—**Fetterman, J. L.** The correlation of psychic and somatic disorders. J. Am. M. Ass., 1936, **105:** 26–31.—**Frank, L.** Die Determination physischer und psychischer Symptome im Unbewusstsein. J. Psychol. Neur., Lpz., 1912, **19:** 299–342.—**Frankstein, S. I.** One unconsidered form of the part played by the nervous system in the development of disease. Science 1947, **106:** 242.—**Goldstein, K.** Analogous mechanism in the formation of symptoms in organic and functional disorders. Bull. Forest Sanit., Des Plaines, 1942, **1:** 28–36.—**Guevara Oropesa, M.** Las psiconeurosis y la MPS. Gac. méd. México, 1949, **79:** 211–9.—**Hackfield, A. W.** The dynamic interpretation of certain idiopathic internal medicine problems. Texas J. M., 1937–38, **33:** 6–8.—**Halliday, J. L.** The formulation of a PS affection. In his Psychosocial Med., N. Y., 1948, 47–59.

——— Ontogenetic theory and the PS affections. Ibid., 89–107.—**Hollmann, W.** [Soziologische Betrachtung des Krankheitsgeschehen] In his Krankheit etc., Lpz., 1940, 73–98.—**Koch, E. J.,** jr. Physical and mental process disease; an analogy. J. Nerv. Ment. Dis., 1948, **108:** 187–99.—**Krasnushkin, E. K.** [Relations between mental and somatic diseases] Nevropat. psikhiat., 1942, **11:** 20–32.—**Meerloo, A. M.** [M & B in pathology] Geneesk. gids, 1933, **11:** 237; 269.—**Mohr, F.** Die Wechselwirkung körperlicher und seelischer Faktoren im Krankheitsgeschehen. Klin. Wschr., 1927, **6:** 772–6.—**Morselli, E.** Psiche e soma; considerazioni retrospettive di psicopatologia generale. Q. psichiat., Genova, 1927, **14:** 81–92.—**Perlson, J.** The dilemma of the etiological concepts of mental and organic disease. J. Nerv. Ment. Dis., 1944, **100:** 606–12.—**Reca, T.** A contribution to the study of the genesis of PS disorders. Nerv. Child, 1946, **5:** 305–15.—**Sontag, L. W.** Determinants of predisposition to PS dysfunction and disease; problem of proneness to psychosomatic disorder. In: Synops. Psychosom. Diag. (Dunbar, H. F.) S. Louis, 1948, 38–66.—**Wertham, F. I.** The relativity of psychogenic and of constitutional factors. Arch. Neur. Psychiat., Chic., 1929, **22:** 1201–6.—**Williams, T. A.** The interplay of mental with physical disorders. Med. Press & Circ., Dubl., 1936, **192:** 525–30.

—— Psychosomatic disease: Pathology.

Breitner, B. Sihles PS Krankheitslehre im Aspekt der Chirurgie. Forsch. & Fortsch., 1935, **11:** 37.—**Cleghorn, R. A.** PSM and altered autonomic and humoral function. McGill M. J., 1949, **18:** 25–42.—**Halliday, J. L.** Concept of a PS affection. Lancet, Lond., 1943, **2:** 692–6.—**Kubie, L. S.** The basis of a classification of disorders from the PS standpoint. Bull. N. York Acad. M., 1944, **20:** 46–65.—**L., C. G.** Birth of a theory. S. Thomas Hosp. Gaz., Lond., 1941, **39:** 19–23.—**Sheehan, D.** Physiologic principles underlying PS disorders. Arch. Neur. Psychiat., Chic., 1943, **50:** 734. Also J. Nerv. Ment. Dis., 1943, **98:** 414–6.—**Stalker, H.** The PS diseases; a hypothetical formulation. J. Ment. Sc., Lond., 1949, **95:** 355–68.—**Stransky, E.** Zum Problem der Schaffung einer allgemeingültigen PS klinischen Krankheitslehre im Aspekt der Psychoneurologie bzw. der angewandten Psychopathologie. Verh. ber. Kongr. Förd. med. Synthese (1934) 1935, 3. Congr., 2: 122–31.—**Verderese, M. L.** Conceito PS da enfermagem. An. enferm., S. Paulo, 1948, **1:** 107–9.

—— Psychosomatic disease: Personality aspect.

Bingham, C. T. PS disease; the relationship of personality and thought to disease. Connecticut M. J., 1949, **13:** 876.—**Bram, I.** The individual behind the disease. Med. Rec., N. Y., 1937, **146:** 349–51.—**Casson, F. R. C.** Some interpersonal factors in illness. Lancet, Lond., 1949, **2:** 681–4.—**Gildea, F. F.** Special features of personality which are common to certain PS disorders. Psychosomat. M., 1949, **11:** 273–81.—**Hannah, H. B.** An analysis of some of the factors in personality influencing health. J. Lancet, 1940, **60:** 105–7.—**Mittelmann, B., Weider, A.** [et al.] Personality and PS disturbances in patients on medical and surgical wards; a survey of 450 admissions. Psychosomat. M., 1945, **7:** 220–3. Also Proc. Ass. Res. Nerv. Ment. Dis. (1944) 1946, **25:** 304–10.—**Moschcowitz, F., & Roudin, M. B.** The association of PS disorders and their relation to personality types in the same individuals. N. York State J. M., 1948, **48:** 1375–81.

—— Psychosomatic disease: Psychogenesis

[Abbrev.: PS for psychosomatic; M for medicine]

Alkan, L. Anatomische Organkrankheiten aus seelischer Ursache. 142p. 8° Stuttg., 1930.

Blanco Acevedo, E., & Aguerre, J. A. Los factores neuropsíquicos en clínica. 103p. 23½cm. Montev., 1944.

Boss, M. Körperliches Kranksein als Folge seelischer Gleichgewichtsstörungen. 3. Aufl. 115p. 19½cm. Bern, 1940. Also 4. Aufl. 111p. 20cm. Bern, 1940.

Buess, H. *Die Wandlungen des Psychogenie-Begriffs. 164p. 23cm. Hölstein, 1940.

Göring, M. H. Ueber seelisch bedingte echte Organerkrankungen. 82p. 8° Stuttg., 1937.

Grünewald, E. Flucht in die Krankheit? 35p. 21cm. Innsbruck, 1947.

Forms No. 5, Samml. Med., Innsbruck.

MÉNÉTRIER, J. *Considérations sur les réceptivités aux maladies. 116p. 24cm. Par., 1939.

PRADINES, M. Les affections déréglantes, les émotions. p.682–734. 19cm. Par., 1946.
In his Traité psych. gén., 2. éd., Par., 1946, 1:

Alkan, L. Anatomische Organkrankheiten aus seelischer Ursache. Med. Klin., Berl., 1931, 27: 457–63. Also Verh. Berl. med. Ges. (1930) 1931, 61: pt 2, 221–39.—**Benon, R.** Idées ou émotions sensibilisatrices; la fonction idéo-thymo-sensibilisatrice. Sem. hôp., Par., 1946, 22: 1127.—**Berliner, B.** The psychogenesis of a fatal organic disease. Psychoanal. Q., 1938, 7: 368–79.—**Betzendahl, W.** Körperlich-seelische Wechselwirkungen bei organischen Psychosen. In: Gegenwartsprobl. psych. neur. Forsch. (Roggenbau, C. H.) 1939, 1–17.—**Bincer, W.** Wpływ urazu psychicznego na powstawanie niektórych chorób wewnętrznych. Med. & przyroda, 1937, No. 2, 31–3.—**Bohn, R. W.** Psychogenic factors in physical illness. J. Am. Inst. Homoeop., 1933, 26: 184–7.—**Bond, E. D.** The wish to fall ill. Proc. Am. Student Health Ass., 1935, 16: 28–30. Also J. Lancet, 1936, 56: 377–9.—**Brink, C. D.** The psychological factor in disease; the physician. S. Afr. M. J., 1939, 13: 550–9.—**Brosin, H. W.** Emotional aspects of organic disease. Wisconsin M. J., 1949, 48: 607–10.—**Brugsch, T.** Das Problem des Seelischen in der inneren Medizin. Med. Klin., Berl., 1932, 28: 1–6.—**Bull, N.** Towards a clarification of the concept of emotion. Psychosomat. M., 1945, 7: 210–4.—**Bunnemann, O.** Noch einmal Organfiktion. Psychiat. neur. Wschr., 1942, 44: 307–9.—**Burns, E. M.** Psychologic factors in physical disease. Northwest M., 1938, 37: 1–4.—**Burrow, T.** The meaning of the psychic factor. J. Abnorm. Psychol., 1913–14, 8: 322–30.—**Buttersack, F.** Erkrankungen vom psychischen Kraftfeld aus. Med. Welt., 1935, 9: 975.—**Cabaleiro Goas, M.** Contribución al concepto de enfermedad psíquica. Galicia clín., Coruña, 1950, 22: 1–5.—**Carmichael, F. A.** Emotional factors in structural organic changes. Dis. Nerv. Syst., 1943, 4: 372–4.—**Catalano, A.** Ricerche cliniche e considerazioni sulla influenza delle malattie somatiche intercorrenti nelle malattie mentali. Gior. psichiat., 1928, 56: No. 3, 11–33.—**Chalmers, R., & Wooley, L. F.** The emotional aspects of physical disease. J. M. Ass. Georgia, 1949, 38: 436–42.—**Coplans, M. P.** The importance of psychological factors in organic disease. Guy's Hosp. Gaz., Lond., 1946, 60: 325–7.—**Davidson, H. A.** Emotional precipitants of death. J. M. Soc. N. Jersey, 1949, 46: 350–2.—**Davies, D.** The emotions and medical disorders. Proc. Cardiff M. Soc. (1945–46) 1947, 49–63.—**Dearborn, G. V. N.** The concept of psychogenesis. J. Abnorm. Psychol., 1937–38, 32: 207–15.—**Deutsch, F.** The production of somatic disease by emotional disturbance. Proc. Ass. Res. Nerv. Ment. Dis. (1938) 1939, 19: 271–92.—**Dock, W.** Organic lesions resulting from emotional stress. Texas J. M., 1945–46, 41: 398–401.—**Dukor, B.** Lo funcional y lo psicógeno en la práctica médica (transl.) Día méd., B. Air., 1948, 20: 2373–9.—**Dunbar, H. F.** The psychic component in disease from the point of view of the medical social worker's responsibility. Bull. Am. Ass. M. Social Work., 1937, 10: 69–80.—**Ehrström, M. C.** Psykogenesen vid invärtes sjukdomar. Nord. med., 1947, 36: 2089–93.—**Eisenbud, J.** A method for investigating the effect of repression on the somatic expression of emotion in vegetative functions; a preliminary report. Psychosomat. M., 1939, 1: 376–87.—**Emoção,** fator mórbido. Impr. méd., Rio, 1943, 18: No. 353, 21.—**Emozioni** fatali. Minerva med., Tor., 1940, 31: pt 2, Varia, 48–50.—**Estrada Torres, A.** Repercusión del estado anímico sobre el somático en nuestros enfermos. Mem. Congr. méd. dominic., 1946, 4. Congr., 1: 282–5.—**Evans, T. H.** A preliminary report on the relations of mind rhythm to nervousness. Am. Med., 1905, 10: 1106.—**Ferenczi, S.** Pathoneurozisok. Gyógyászat, 1918, 58: 240–4.—**Finesinger, J. E.** Psychiatric components in medical disease; PSM. N. England J. M., 1942, 227: 578–84.—**Fremont-Smith, M.** Relationships between emotional states and organic disease. Tr. Am. Clim. Clin. Ass., 1932, 48: 62–72.—**Gagliardi, G.** Emozioni e malattie. Forze san., Roma, 1940, 9: No. 6, 27–31.—**Gemelli, A.** Orienting concepts in the study of affective states (transl.) J. Nerv. Ment. Dis., 1949, 110: 198; passim.—**Gonzâlez Enríquez, R.** Psicogéncsis de los síntomas corporales. Gac. méd. México, 1949, 79: 191–201. Also Prensa méd. argent., 1949, 36: 1738–43.—**Grieco y Bavio, A.** El estado emocional. Med. argent., 1931, 10: 684–8.—**Gutmanas, L.** [Mental state as serious factor in the origin and treatment of diseases] Medicina, Kaunas, 1934, 15: 250–63.—**Hall, A. J.** Bodily diseases in mental disorders. Brit. M. J., 1934, 2: 133–6.—**Halliday, J. L.** Changes in the world of the adult. In his Psychosocial Med., N. Y., 1948, 121–7.—**Hansen, K.** Zur Theorie der Symptombildung in der Neurose; nach Versuchen in Hypnose. Ber. Allg. ärztl. Kongr. Psychother., 1927, 2. Congr., 86–103.—**Harrison, F. M.** Role of the emotions in disease. Delaware M. J., 1947, 19: 79–83.—**Hill, B.** Mental factors in the causation of bodily disease. Antiseptic, Madras, 1926, 23: 625–30.—**Hinsie, L. E.** How our emotions affect our health. In: Every Woman's Standard M. Guide, N. Y., 1948, 300–8.—**Hollmann, W.** [Der Einfluss psychischen Geschehens auf die Entstehung und auf den Verlauf von Krankheiten] In his Krankheit etc., Lpz., 1940, 11–30.—**Horimi, T.** Seisin-sintai igaku; zyōdō to sintai sikkan [Psychosomatic medicine; emotion and body diseases] J. Jap. M. Ass., 1949, 23: 748–51.—**Horstmann, W.** Bedarf der Begriff des Psychogenen einer Revision? Mschr. Psychiat., 1937, 96: 181–96.—**Ingvar, S.** Organsygdomme af nervøs natur. In: Sjaelens laegebog (Jørgensen, C.) Kbh., 1946, 15–46.—**Jaspers, K.** Die somatischen Störungen in ihrer Abhängigkeit von der Seele. In his Allg. Psychopath., 4. Aufl., Berl., 1946, 199–208.—**Jelinek, A.** Ueber den Einfluss nervöser und psychischer Faktoren auf den Ablauf körperlicher Zustände. Med. Klin., Berl., 1936, 32: 194; 229.—**Jelliffe, S. E.** Psychopathology and organic disease. Tr. Am. Neur. Ass., 1922, 48: 314–26. ——— Psychopathology and organic disease. N. York State J. M., 1932, 32: 581–8.—**Joson, T.** Emotion as a factor in physical disease. J. Philippine M. Ass., 1949, 25: 27–30.—**Kesten, M.** Las reacciones afectivas y la posibilidad de modificarlas. Prensa méd. argent., 1948, 35: 2474; passim.—**Köster, R.** Die Bedeutung seelischer Einflüsse auf Entstehung und Heilung organischer Erkrankungen. Fortsch. Med., 1937, 55: 297–300.—**Kraines, S. H.** Relaxed attitudes. In his Ther. Neuroses, Phila., 1941, 244–55.—**Lake, G. B.** Psychic factors in disease. Radiol. Rev., 1936, 58: 133–9.—**Lane, W. A.** A influencia das emoções sobre a saúde. Educ. fís., Rio, 1942, No. 62, 44.—**Lange, C. de.** Psyche und Krankheit. Schweiz. med. Wschr., 1937, 67: 981.—**Levin, M.** The pathogenesis of narcoleptic and epileptic seizures occurring under acute emotional stress. J. Nerv. Ment. Dis., 1950, 111: 101–8.—**Ling, T. M.** Psychological factors in disease. Bristol Med. Chir. J., 1938, 55: 101–10.—**Lopes Rodrigues.** Os hiperemotivos; inquietos; impressionaveis; timidos; angustiados; insatisfeitos. Rev. méd. Minas, 1943, 11: No. 118, 7–53.—**López Ibor, J. J.** El alma en las enfermedades del cuerpo; patología de la vitalidad. Medicamenta, Madr., 1949, 7: 83–93.—**McDowall, R. J. S.** The effect of mental stress on man. Rep. Brit. Ass. Advance. Sc., 1927, 95: 370.—**Mackenzie, M.** Emotional over-reaction. In his Human Mind, Phila., 1941, 137.—**MacLean, P. D.** PS disease and the visceral brain; recent developments bearing on the Papez theory of emotion. Psychosomat. M., 1949, 11: 338–53.—**Mallett, E. P.** The influence of the mind in functional and organic diseases. South. M. & S., 1926, 88: 563–70. Also Tr. M. Soc. N. Carolina, 1926, 73: 210–21.—**Más de Ayala, I.** Las sobrecargas funcionales psicógenas en las afecciones orgánicas. Día méd., B. Air., 1949, 21: 1778–80. ——— El mecanismo de la proyección afectiva en las organoneurosis. Ibid., 2709–11.—**Menninger, K. A.** Excessive emotion. In his Human Mind, N. Y., 1937, 205–12.—**Menninger, W. C.** Severe mental disturbances associated with organic disease. J. Kansas M. Soc., 1936, 37: 356–63. ——— Psychological factors in medical and surgical conditions. Nebraska M. J., 1937, 22: 1–8. ——— Psychological factors in disease. Wisconsin M. J., 1938, 37: 29–38. ——— Emotional factors in organic disease. Ann. Int. M., 1949, 31: 207–15. Also Spanish transl., Prensa méd. argent., 1949, 36: 2605–7.—**Milhorat, A. T., & Small, S. M.** Probable mechanism by which somatic changes in certain emotional states are mediated. Proc. Soc. Exp. Biol., N. Y., 1943, 53: 23–5.—**Miller, C. S.** The consideration of the psychic factors in physical disease. N. Orleans M. & S. J., 1928–29, 81: 611–8.—**Molokhov, A.** Psikhogenii. In: Bolsh. med. encikl., 1933, 27: 743–9.—**Morrison, D. A. R.** Some psychologic aspects of medical disorders. Wisconsin M. J., 1943, 42: 306–11.—**Moschcowitz, E.** The psychogenic origin of organic diseases. N. England J. M., 1935, 212: 603–11.—**Nathan.** Psychisme et troubles somatiques. Presse méd., 1931, 39: 1152–4.—**Owensby, N. M.** The mind as a factor in bodily disease. Med. Rec., N. Y., 1934, 139: 19–24.—**Paullin, J. E.** The relation of the emotions to physical discomfort. Proc. Interst. Postgrad. M. Ass. N. America (1944) 1945, 26–9. Also Postgrad. M., 1947, 2: 365–9.—**Payne, A. M.** The importance of the psychical state in the etiology of organic disease. Mag. London School M. Women, 1938, 2: 42–9.—**Peláez Redondo, J.** La emoción y su papel patógeno. Rev. clín. españ., 1949, 32: 301–8.—**Pern, S.** Mind and disease. Med. World, Lond., 1944–45, 61: 294–9.—**Ploticher, A. I., & Furmanov, A. M.** [Effect of emotional trauma on the higher mental processes in children] Sovet. pediat., 1936, No. 8, 113–20.—**Pollack, B.** The masquerade of life; the problem of emotional adjustment. Clin. Med., 1944, 51: 314–9.—**Portis, S. A.** The medical treatment of PS disturbances; with special reference to the gastro-intestinal tract and fatigue. J. Am. M. Ass., 1944, 126: 413–8.— **Pratt, J. H.** The emotional origin of somatic symptoms. Bull. New England M. Center, 1941, 3: 68–70.—**Raven, M. O.** The psychological factor in general practice. Practitioner, Lond., 1939, 142: 213–20.— **Reid, J. R.** The concept of psychogenesis. Am. J. Psychiat., 1947–48, 104: 653–60.—**Romano, J.** Emotional components of illness. Connecticut M. J., 1943, 7: 22–5.—**Rouanet, G.** Zur Rolle des Nervensystems im Krankheitsgeschehen. Deut. Gesundhwes., 1947, 2: 730–4.—**Rümke, H. C.** The overestimation of psychogenesis. Fol. psychiat. &c. neerl., 1948, 51: 137–42.—**Saul, L. J.** A note on the psychogenesis of organic symptoms. Psychoanal. Q., 1935, 4: 476–83.—**Schroeder, P. L.** Emotional factors in organic disease. Minnesota M., 1941, 24: 20–4.—**Schultz-Hencke, H.** Krankheitsanfänge und Psyche. Forsch. & Fortsch., 1940, 16: 380–2. Also Münch. med. Wschr., 1940, 87: 871. ——— The onset of disease and the state of the mind. Research & Progr., Berl., 1941, 7: 51–5.—**Seitzer, A.** Ein Beitrag zur seelischen Verursachung körperlicher Krankheiten. Zschr. psych. Hyg., 1943, 16: 15–8.—**Sexe.** Les causes spirituelles des maladies physiques. Bull. Soc. méd. S. Luc, Bourges, 1931, 37: 208–16.—**Smith, N. R.** The mechanism in psychogenic disease. J. Kansas M. Soc., 1929, 30: 1–4.—**Stegmann, M.** Die Psychogenese organischer Krankheiten und das Weltbild. Imago, Wien, 1926, 12: 196–202.—**Stern, E.** Psychische Krankheits-

ursachen. Umschau, 1926, **30**: 165-7.—**Taylor, J. M.** Mind, emotion and body reciprocities. Med. Times, N. Y., 1929, **57**: 98; 106.—**Tournier, P.** Sur d'autres maladies physiques. In his Méd. de la personne, 7. éd., Neuchâtel. 1943, 24–37.—**Tramer, M.** Zur Psychosomatik; ungewöhnliche somatische Lösungsversuche psychischer Konflikte. Schweiz. med. Wschr., 1941, **71**: 193–6.—**Turnbull, H. H.** Fear as a factor in disease. Med. J. Australia, 1941, **2**: 131–5.—**Twyeffort, L. H.** Psychological factors in the etiology and therapy of medical conditions. In: Cyclop. Med. (Piersol-Bortz) Phila., Serv. Vol., 1941, 616–27.—**Viner, N.** The psychogenic origin of some organic syndromes. Canad. M. Ass. J., 1938, **38**: 561–4.—**Walker, B.** The psychological factor in disease; the general practitioner's point of view. S. Afr. M. J., 1939, **13**: 566–70.—**Walsh, G.** The psychogenic factor in disease. J. M. Ass. Alabama, 1937–38, **7**: 111–3.—**Watters, T. A.** Emotional factors in disease. N. Orleans M. & S. J., 1939–40, **92**: 118–25.—**Way, O. F.** The danger of suggestion in sickness. J. Lancet, 1930, **50**: 550–3.—**Wholey, C. C.** The menace of mental factors in bodily diseases. J. Am. M. Ass., 1930, **95**: 1073–6.—**Wilson, A. T. M.** Psychological factors in organic disease. Individ. Psychol. M. Pamphl., Lond., 1938, No. 20, 23–42.—**Wolff, H. G.** Life situation, emotions, and disease. In: Teach. Psychother. M., N. Y., 1947, 376–97.—**Yellowlees, D.** The psychological factor in physical disease. Glasgow M. J., 1926, **105**: 31–40.—**Ziegler, L. H., & Heyman, J.** False concepts of diseases or conditions as psychogenic foci. Am. J. Psychiat., 1935, **92**: 655–74.—**Zutt, J.** Ueber seelische Krankheitsentstehung. Klin. Wschr., 1940, **19**: 36–41.

—— Psychosomatic disease: Somatogenesis.

See also under names of various disease or bodily changes.

Bleuler, M. Untersuchungen aus dem Grenzgebiet zwischen Psychopathologie und Endokrinologie. p.271–528. 24½cm. Berl., 1948.
In: Arch. Psychiat., Berl., 1948, **180**:

Menninger-Lerchenthal, E. Ueber die bemerkenswerten Heilungsvorgänge bei Psychosen. p.359–409. 21cm. Berl., 1929.
Allg. Zschr. Psychiat., 1929, **90**:

Adamson, G. L., & Bochner, A. A. K. Physical debility and emotional disorders. J. Canad. M. Serv., 1944–45, **2**: 454–62.—**Agadjanian, K.** Le rôle des troubles neuro-végétatifs dans la pathologie de la vie affective et dans l'origine des variations des fonctions perceptivo-associatives. Arch. internat. neur., Par., 1945–46, **64**:–**65**: 96–108.—**Albert-Weil, J.** De l'unité somato-psychique et de la genèse de certaines psychoses. In his De la souffrance à la pensée, Genève, 1948, 35–63.—**Bainbridge, W. S.** Somatic factors in mental and nerve conditions. Psychiat. Q. Suppl., 1941, **15**: 51–67.—**Baruk, H.** Les troubles mentaux dans les affections cérébrales organiques connues. In his Psychiat. méd., Par., 1938, 17–36.—**Blalock, J. R.** Psychiatric aspects of physical illness. Virginia M. Month., 1939, **66**: 92–4.—**Botelho, A.** Centros psiquicos extra-corticais e perturbações mentais. Rev. Univ. Rio, 1932, 2. ser., No. 2, 131–45.—**Carque, L. R.** The human mind in health and disease. J. Am. Electron. Res. Ass., 1939, **16**: 154–6.—**Draper, G.** On certain biological factors in human disease. Bull. N. York Acad. M., 1945, **21**: 599–609.—**Feuereisen, W.** Zur speziellen Psychologie innerer Erkrankungen. Med. Klin., Berl., 1933, **29**: 1049.—**Freeman, M.** Mental imagery in health and disease. Med. Woman J., 1939, **46**: 223–6.—**Geier, T. A.** [Somatobiologic basis in psychopathy] J. neuropat. psikhiat., Moskva, 1930, **23**: No. 4, 22–32.—**Giliarovsky, V. A.** O roli somatovegetativnykh narušenij v geneze psikhogenii voennogo vremeni. In: Tr. Plen. Hosp. sov. Narkomzdr. SSSR (1942) 1943, 2. Congr., 375–8.—**Golant, R. J.** [Investigations on the clinical aspect of psychoses caused by organic affections of the brain] Nevropat. psikhiat., 1937, **6**: 40–8.—**Halstead, W. C.** A power factor (P) in general intelligence; effects of lesions of the brain. Arch. Neur. Psychiat., Chic., 1946, **56**: 234.—**Jacobi, E.** Psychische Veränderungen bei inneren Krankheiten. Deut. med. Wschr., 1926, **52**: 1340.—**Jennings, J. E.** The mental attitude of the patient. Nosokomeion, Stuttg., 1930, **1**: 56–9.—**Kerman, W. Z.** Functional overlay in physical disease. Proc. Neuropsych. Conf. 6. Serv. Command, 1945, 67–72.—**Kiebanoff, S. G.** Psychological changes in organic brain lesions and ablations. Psychol. Bull., 1945, **42**: 585–623.—**Krecke, A.** Ueber seelische Schädigung der chirurgischen Kranken. In his Vom Arzt & seinen Kranken, Berl., 1947, 44–57.—**Laignel-Lavastine, Bouvet & Follin.** Psychoses aiguës d'épuisement somatopsychique. Bull. Acad. méd., Par., 1940, **123**: 498–503.—**Landis, C., & Bolles, M. M.** Emotional development with physical handicap. In their Personal. & Sex., N. Y., 1942, 30–7. ——— Mental deviation and handicap. Ibid., 98–109.—**Longhi, L.** Sintomi psichici nella patologia delle formazioni della base encefalica; natura ed essenza dei sintomi psichici; il problema della coscienza. Riv. sper. freniat., 1948, **72**: 37–68.—**Lunt, L. K.** Attitude in relation to illness. N. England J. M., 1938, **219**: 557–61.—**McLean, J.** The psychopathology of the sick. S. Afr. M. J., 1935, **9**: 665.—**Martín Santos, L.** Enfermedad y psiquismo de los enfermos en medio de sus lesiones diversas. Sem. méd. españ., 1944, **7**: 434–42.—**Meng, H.** Zur Psychopathologie, Ichpsychologie und Psychotherapie Organischkranker; Psyche, Sexus, Krankheit und Schmerz. Aerztl. Mhefte, Bern, 1945, **1**: June, 76–88.—**Menninger, K. A.** Emotional factors in organic gynecological conditions. Bull. Menninger Clin., 1943, **7**: 47–55.—**Minogue, S. J.** The physical basis of mental disorder; focal sepsis and endocrine disorders. Med. J. Australia, 1927, **2**: Suppl., 114–6.—**Nichols, J. B.** Somatopsychosis. Clin. Med., 1926, **23**: 326–31.—**Norris, S. C.** The mind of the patient. Centr. States M. Monit., 1908, **11**: 433–9.—**North, H. M.** Physical bases of mental disorder; endocrine disturbances and sepsis. Med. J. Australia, 1927, **2**: Suppl., 113.—**Prior, G. P. U., & Kinna, A. L.** Some physical causes of mental disorders. Ibid., 107–10.—**Richter, D.** Somatic aspects of mental health and disease. Brit. M. Bull., 1949, **6**: 44–8, illust.—**Schweighofer, J.** Ueber die Beziehungen von Umwelt und Vererbung in der Entstehung von Psychopathien. Zschr. ges. Neur. Psychiat., 1930, **124**: 727–63.—**Spies, T. D., Bradley, J.** [et al.] Emotional disturbances in persons with pellagra, beriberi and associated deficiency states. Proc. Ass. Res. Nerv. Ment. Dis. (1941) 1943, **22**: 122–40.—**Stenberg, S.** Insulin, cholesterol, emotions and psychosis. Acta psychiat. neur., Kbh., 1941, **16**: 289–323.—**Sullivan, E. A.** Psychiatric reactions to illness and their effect on nursing care. Med. Woman J., 1936, **43**: 111–7.—**Tarachow, S.** Some notes on repression and on ego integrity in organic disease. J. Mount Sinai Hosp. N. York, 1938–39, **5**: 558–64.—**Tarasov, U. K.** Ob izmenenijakh so storony psikhiki u somatičeskikh bolnykh, lečennykh dlitelnym snom. Klin. med., Moskva, 1949, **27**: No. 9, 79–82.—**Toulouse, E., & Courtois, A.** Séquelles mentales d'encéphalopathies aiguës (d'après 100 observations) Ann. méd. psychol., Par., 1933, **91**: pt 1, 565–90.—**Udech, A.** Der Einfluss körperlicher Störungen auf die Psyche. Naturheilkunde, Bern, 1946, **43**: 140; passim.—**Walker, J.** Physical bases of mental disorders. Med. Press & Circ., Lond., 1944, **211**: 344–6.—**Wiersma, E. D.** The influence of diseases on mental disposition. In: Sidelights Surgery (S. Forbát) Lond., 1939, 191–227.—**Youmans, W. B.** Bodily states and mental attitudes. Ment. Hyg., 1940, **24**: 216–28.—**Zweig, H.** Zur speziellen Psychologie innerer Erkrankungen. Med. Klin., Berl., 1933, **29**: 1555.

—— Psychosomatic disease: Therapy.

Bersot, H. Que fait-on en Suisse pour les malades nerveux et mentaux? 170p. 23½cm. Bern, 1936.
Forms No. 9, Contr. étude probl. hosp.

Haeberlin, C. Die Bedeutung leibseelischer Zusammenhänge für ärztliches Handeln. 30p. 8°. Lpz., 1930.
Forms H. 412, v.**37**, Berl. Klin.

London, Engl. Theosophical Research Centre. Some unrecognized factors in medicine. 254p. 22cm. Lond., 1939.

Pratt, J. H. The group method in the treatment of PS disorders. 10p. 23cm. N. Y., 1946.
Forms No. 19, Psychodrama Monogr.

Adler, G. Consciousness and cure. In his Stud. Analyt. Psychol., Lond., 1948, 128–47, 2 pl.—**Baer, H.** PP Erregungszustände und ihre Behandlung durch neue Schlafmittelkombinationen. Schweiz. med. Wschr., 1946, **76**: 582.—**Barilari, M. J., Berruezo, J. J.,** & **Berard, E. L.** MPS y psicoterapia. Día méd., B. Air., 1948, **20**: 809–17.—**Bellin du Coteau.** Méthode PP de guérison. Paris méd., 1927, **66**: annexe 5, 1–10.—**Bennett, A. E.** Improper management of PS syndromes; diagnosed and treated as true organic disease. Interne, 1946, **12**: 585–7.—**Bodman, F.** Homoeopathy and the PS approach. Brit. Homoeop. J., 1949, **39**: 127–42.—**Carmichael, F. A.** Evaluation of the mental factor in treatment of physical disorders. J. Missouri M. Ass., 1938, **35**: 436–40.—**Chappell, M. N., & Stevenson, T. I.** Group psychological training in some organic conditions. Ment. Hyg., Alb., 1936, **20**: 588–97.—**Cottrille, W. P.** Dynamics of therapy; your glands and your emotions; a preliminary investigation. J. Am. Osteopath. Ass., 1947–48, **47**: 345–50.—**Crank, H. H.** Some problems of therapy in PS disease. J. Iowa M. Soc., 1948, **38**: 51–4.—**Dunbar, F.** Symposium on physiological aspects of convalescence and rehabilitation; PS approach to physiological dysfunction and disease. Fed. Proc., Balt., 1944, **3**: 271–4. ——— & **Arlow, J.** Criteria for therapy in PS disorders. Psychosomat. M., 1944, **6**: 283–6.—**Dunn, F. E.** The osteopathic management of PS problems. J. Am. Osteopath. Ass., 1948–49, **48**: 196–9.—**Ebaugh, F. G.** The treatment of PS syndromes in general practice. Manitoba M. Rev., 1948, **28**: 637–41.—**English, O. S.** Therapeutic approach to PS problems. In: Psychoanal. Today (Lorand, S.) N. Y., 1944, 43–9. ——— Treatment of PS conditions. Rocky Mountain M. J., 1948, **45**: 123–6. ——— Psychiatric treatment in PS illnesses. N. Orleans M. & S. J., 1948–49, **101**: 565–73.—**Evans, G.** Physical methods in the treatment of so-called PS states. Brit. J. Phys. M., 1946, **9**: 100–4.—**Evseeff, G. S.** Narcotherapy in PS disorders. J. Michigan M. Soc., 1949, **48**: 709–12.—**Exempliarsky, J. P.** Primenenie mestnoj anestezii pri neirogennykh boljakh. Sovet. med., 1949, **13**: No. 12, 26.—**Gerald, H. F.** The place of

drugs in PSM. Bull. Crelghton Univ. School M., 1945, 3: No. 2, 20.—**Gomes, M.** Psicologia tratamento PS. Fol. méd., Rio, 1949, 30: 97–103.—**Härtel, F. F.** Der Genesungswille als Heilfaktor. Hippokrates, Stuttg., 1936, 7: 957–64.—**Hastings, D.** Treatment of PS disorder by the general physician. Northwest M., 1949, 48: 617–20.—**Hoff, H., & Strotzka, H.** Die Psychotherapie in der Sozialversicherung. Wien. klin. Wschr., 1949, 61: 739–42.—**Hollmann, W., & Hantel, E.** Beiträge zur klinischen Psychologie; die Bedeutung der klinischen Psychologie für die allgemeinärztliche Behandlung der Frühschäden. Hippokrates, Stuttg., 1944, 15: 160–3.—**Hubble, D.** The aetiological approach to therapeutics; a footnote to Winnicott. S. Barth. Hosp. J., Lond., 1944–45, 48: 42–4.—**Jores, A.** PS Therapie. Aerztl. Forsch., 1948, 2: 479–81.—**Lewis, N. D. C.** PSM. In: Ther. Advances in Psychiatry (Pennsylvania. Univ. Bicent. Conf.) Phila., 1941, 15–26.—**Meyers, T. J.** Psychotherapy in the treatment of PS problems. J. Am. Osteopath. Ass., 1948–49, 48: 192–5.—**Mirams, S.** Some observations on a psychological illness as compared with physical disease; a comparison of therapeutic results. N. Zealand Nurs. J., 1946, 39: 309–11.—**Mittelmann, B.** Failures in PS case treatments. Proc. Am. Psychopath. Ass. (1947) 1948, 37. meet., 106–20.—**Mohr, F.** Das Leib-Seele-Problem. Münch. med. Wschr., 1939, 86: 61–4.—**Murdock, H. M.** Some aspects of treatment in emotional illness. Wisconsin M. J., 1949, 48: 235–9.—**Murray, J. B.** Treatment. In his Some Common Psychosom. Manif., Lond., 1949, 85–92.—**Parkin, A. C.** PS disorders and their therapy. Univ. Toronto M. J., 1948–49, 26: 37–43.—**Reid, J. K.** Mind; the chief therapeutic power. Practitioner, Lond., 1927, 119: 113–8.—**Ripley, H. S., & Wolf, S.** The intravenous use of sodium amytal in PS disorders. Psychosomat. M., 1947, 9: 260–8. Also Proc. Am. Fed. Clin. Res., 1947, 3: 60. ——— **& Wolff, H. G.** Treatment in a PS clinic; preliminary report. J. Am. M. Ass., 1948, 138: 949–51.—**Robinson, G. C.** PS factors in convalescence. In: Convalesc. Care (N. York Acad. M.) N. Y., 1940, 129–49.—**Schultze-Jahde, K.** Psychogen. Zbl. Psychother., 1933, 6: 96–110.—**Stevenson, G. H.** Mental hygiene related to PS disorders. Canad. M. Ass. J., 1947, 57: 468–72.—**Strauss, E. B.** A flight from therapeusis. S. Barth. Hosp. J., Lond., 1944–45, 48: 28.—**Vigderman, D. L.** Observations on some PS relationships and osteopathy. J. Am. Osteopath. Ass., 1947–48, 47: 249–53.—**Weiss, E.** The treatment of illness of emotional origin by the general physician. Pennsylvania M. J., 1939–40, 43: 239–42. ——— The treatment of illness of emotional origin by the internist. Ann. Int. M., 1940–41, 14: 424–35.—**Wibrotte, J.** Troubles PS et thermalisme. Presse therm. clim., 1949, 86: 163.—**Williams, J. F.** PSM; notes on treatment. South. M. & S., 1949, 111: 164–6.—**Winnicott, D. W.** A tendency in therapeutics. S. Barth. Hosp. J., Lond., 1944–45, 48: 7–9.—**Wolff, T.** Betrachtung und Besprechung von Reich der Seele. Zbl. Psychother., 1938, 10: 239–78.—**Young, W. W.** Homeopathic philosophy as illustrated in a case of encephalopathy. J. Am. Inst. Homcop., 1949, 42: 137–41.

—— Psychosomatic disease—in children.

Barraclough, W. W. Mental reactions of normal children to physical illness. Am. J. Psychiat., 1936–37, 93: 865–77.—**Bettelheim, B., & Sylvester, E.** Physical symptoms in emotionally disturbed children. Psychoanal. Stud. Child. 1949, 3–4: 353–68.—**Despert, J. L.** Remarks on the predictability factor in PS relations. Nerv. Child, 1946, 5: 291–5.—**Ford, H., & Rose, L.** The emotional origin of physical symptoms in children. Texas J. M., 1942–43, 38: 310–4.—**Gunnarson, S.** PS sjukdomar hos barn. Nord. med., 1948, 38: 937–41.—**Lamm, S. S.** Physical expression of psychogenic disturbance in children. J. Pediat., S. Louis, 1942, 20: 237–43.—**Meyknecht, A. P. J.** L'aspect somatique chez les enfants à troubles psychiques. Fol. psychiat. &c. neerl., 1948, 51: 427–41.—**Price, W. C.** PS illness in childhood; a report of six cases. J. Pediat., S. Louis, 1949, 34: 781–93.—**Quinn, A. G.** The PS child. Memphis M. J., 1945, 20: 105–7.—**Sperling, M.** The role of the mother in PS disorders in children. Psychosomat. M., 1949, 11: 377–85.

—— Psychosomatic medicine [Abbrev.: MPS or PSM for psychosomatic medicine and equivalents]

See also subheading (Psychosomatic disease)

Aberbukh, E. O PSM. Med. rabot., 1946, 9: No. 38, 1.—**Alcerro Castro h., R.** MPS. Rev. méd. hondur., 1944–45, 15: 151–3.—**Alexander, F.** La era PS en la medicina moderna. Psiquis, Méx., 1949, 4: 259–68.—**Alvarez, W. C.** PSM that every physician should know. J. Am. M. Ass., 1947, 135: 704–8. Also Med. latina, Habana, 1948, 7: 147–55.—**A[ring] C. D.** PSM. Cincinnati J. M., 1942–43, 23: 57.—**Austregésilo, A.** A M1 S. Med. cir. farm., Rio, 1946, 481–5.—**Barber, H.** PSM. In his Occasion Fleeting, Lond., 1947, 106–17.—**Barr, D. P.** Significance of PSM. Am. J. Med., 1947, 3: 381–3.—**Binger, C.** PSM or M&B relationships. In his The Doctor's Job, N. Y., 1945, 97–109. ——— PSM. N. York M., 1945, 1: No. 2, 11, &c.—**Brussel, J. A.** Psychosomatics [poem] Psychiat. Q., 1949, 23: 367.—**Cahn, C. H.** PSM. Univ. Toronto M. J., 1944–45, 22: 90–100.—**Caughey, J. L., jr.** PSM. Pract. Libr. M. & S., 1940 Suppl., 3–12.—**Cobb, S.** Psychosomatics. In his Borderl. Psychiat., Cambr., 1943, 149–60.—**Coburn, F. E.** PSM. Bull. Linn Co. M. Soc., 1947–48, 16: 15.—**Courchet, J. L.** MPS. In: Entretiens de Bichat, Par., 1947, 229. Also Sem. hôp., Par., 1947, 23: Suppl., 1297–9.—**Crank, H. H.** PSM; general considerations. J. Iowa M. Soc., 1947, 37: 396–403.—**Delay, J.** La MPS. Acquis. méd. réc., Par., 1949, 257–76.—**Delmas-Marsalet, P., Faure, J.** [et al.] Contribution à la MPS. Ann. méd. psychol., Par., 1948, 106: pt 2, 518.—**D'Heucqueville, G.** Médecine du corps et médecine de l'esprit. Arch. internat. neur., Par., 1947, 66: 125–33.—**Dunbar, F.** PSM. In: Psychoanal. Today (Lorand, S.) N. Y., 1944, 23–42.—**Edwards, A. T.** PSM. Med. J. Australia, 1947, 2: 772–4.—**Ewalt, J. R.** PSM. Texas J. M., 1944–45, 40: 5–9.—**Galbraith, H. M.** PSM. J. Oklahoma M. Ass., 1941, 34: 431–4.—**Géraud, J.** Introduction à la MPS. Toulouse méd., 1949, 50: 347–63.—**Girard, E.** MPS. Rev. méd. Córdoba, 1950, 38: 6–10.—**Goldstein, R.** PSM. Connecticut M. J., 1943, 7: 758–63.—**Gordon, R. G.** PSM. In: Edinburgh Postgrad. Lect. (1938–39) 1940, 1: 72–87. Also Edinburgh M. J., 1940, 47: 16–31.—**Gowan, L. R.** PSM. Minnesota M., 1941, 24: 753–6.—**Grinker, R. R.** PSM. Ment. Health Bull., Chic., 1948–49, 26: No. 2, 1–6.—**Guevara Oropesa, M.** La MPS. Arch. neur. psiq. México, 1945, 8: 73–87. Also Gac. méd. México, 1946, 76: 114–28.—**Gupta, D. M.** PSM. Calcutta M. J., 1949, 46: 53–7.—**Gwynn, H. B.** PSM. J. M. Ass. Alabama, 1948–49, 18: 61–7.—**Hamman, L.** PSM. In: Med. Addenda, N. Y., 1947, 9–37.—**Hardy, T. L.** PSM. Queen M. Mag., Birmingham, 1946, 39: 95–7.—**Harris, N. G.** The relation of psychological medicine to general medicine; PSM. In: Modern Trends Psychol. Med., Lond., 1948, 1–18.—**Hécaen, H., & Duchêne, H.** La MPS. Presse méd., 1946, 54: 730.—**Hesnard, M.** Sur la MPS. Maroc méd., 1949, 28: 185–8.—**Hoffmann, R. H.** PSM. Tr. N. York Acad. Sc., 1945–46, 8: 229–32.—**Horimi, T.** Seisin-sintai igaku [PSM] Rinsyō, 1949, 2: 700–8.—**Hutchings, R. H.** Remarks on PSM. North. New York M. J., 1947, 4: 7–9.—**Janney, H. M.** PSM. Kentucky M. J., 1945, 43: 185–8.—**Lafont, J.** MPS. Progr. méd., Par., 1948, 76: 492.—**Lanza, M.** La MPS. Policlinico, 1949, 56: Sez. prat., 473–85.—**Levine, M.** PSM. Kentucky M. J., 1945, 43: 39–45.—**Liber, B.** PSM. Med. Rec., N. Y., 1946, 159: 599–606.—**Lindner, T.** PSM. Sven. läk. tidn., 1949, 46: 842–5.—**Love, H. R.** PS aspects of general medicine. Med. J. Australia, 1949, 1: 347.—**Mayer, E. E.** The significance of PSM. Pennsylvania M. J., 1944–45, 48: 900–5.—**Meaning** (The) of PSM. N. England J. M., 1947, 236: 83.—**Medina, J.** MPS. Matern. & inf., S. Paulo, 1948, 6: No. 17, 25–52.—**Medlicott, R. W.** PSM. N. Zealand M. J., 1944, 43: 34–8.—**Meignant, P.** MPS. Bull. méd., Par., 1947, 61: 81–4.—**Mello, A. S.** MPS. Rev. brasil. med., 1948, 5: 16; 111.—**Mentha, H.** A propos de MPS. Rev. méd. Suisse rom., 1947, 67: 386–400.—**Miller, H. G.** PSM. In: Progr. Clin. M. (Daley, R.) Lond., 1948, 302–24.—**Mittelmann, B.** Psychosomatics. In: Encycl. Psychol., N. Y., 1946, 678–722.—**Moschcowitz, E.** PSM. In his Biol. Disease, N. Y., 1948, 159–69.—**Moura, J. P. P. de.** MPS; estado atual. Bol. Soc. med. clr. Campinas, 1948, 6: 56; 1949, 7: 33.—**Myerson, A.** PSM. N. England J. M., 1947, 236: 301.—**Nacht, S.** Introduction à la MPS. Evolut. psychiat., Par., 1948, 57–91.—**New, J. S.** PSM. Rec. Columbia M. Soc. Richland Co., 1948, 12: No. 8, 8.—**O'Neill, D.** PSM. Nurs. Times, Lond., 1949, 45: 62; 82.—**Palmer, D. M.** PSM. Health Center J., Columbus, 1947–48, 1: 139–45.—**Paster, S., Savitt, R. A.** [et al.] Symposium on PSM. Rev. Gastroenter., 1947, 14: 391–434.—**Penta, P.** MPS. Diagnosi, Nap., 1949, 5: 45–57.—**Pinkerton, R. E.** Some reflections on PSM. Ohio M. J., 1947, 43: 613–5.—**Psychosomatic** medicine. Rep. Inst. Psychoanal., Chic., 1943, 8–12. Also Roche Rev., Nutley, N. J., 1944–45, 9: 267; passim.—**Ravine, W.** PSM. Cincinnati J. M., 1945–46, 26: 4–11.—**Reed, J. V.** PSM. J. Indiana M. Ass., 1944, 37: 391–6.—**Reiter, P. J.** PSM. Acta med. scand., 1949, Suppl. 234, 274–89.—**Reyes, J.** MPS. Torreón méd., 1949, 4: 148–52.—**Ross, D.** PSM. Med. J. Australia, 1947, 2: 774–7.—**Roxo, H.** MPS. Impr. méd., Rio, 1945–46, 21: No. 386, 25–7.—**Scardigli, G.** La MPS. Settimana med., 1949, 37: 16–8.—**Schaffer, R.** PSM. S. Afr. M. J., 1948, 22: 167–9.—**Shoemaker, D.** The role of PSM. Q. Chicago M. School, 1944–45, 5: No. 3, 11, &c.—**Silva Mello, A. da.** MPS. Rev. brasil. med., 1946, 3: 286–95.—**Steen, R. R.** PSM. Nassau M. News, 1947, 20: No. 9, 1.—**Stern, E.** MPS. Psyché, Par., 1949, 4: 117–36.—**Streitwieser, R. J.** PSM. Bull. Creighton Univ. School M., 1945, 3: No. 2, 21–3.—**Sussman, N.** PSM. Pennsylvania M. J., 1946–47, 50: 401.—**Sutermeister, H.** Ueber PSM. Ars medici, Basel, 1950, 40: 88–95.—**Teixeira, N.** MPS. Med. cir. farm., Rio, 1947, 329–40.—**Thompson, W. T., jr.** PSM. South. M. & S., 1949, 111: 166–71.—**Unsworth, H. R.** PSM. Tr. Am. Ther. Soc. (1945) 1946, 45: 89–92.—**Van der Heide, C.** PSM. News Lett. Am. Ass. Psychiat. Social Work., 1943–44, 13: 13–20.—**Vignes, H.** De la MPS. J. prat., Par., 1948, 62: 482–4.—**Vinding, T.** PSM. Med. forum, Kbh., 1949, 2: 161–92.—**Wallace, H.** The PS concept in modern medicine. J. M. Soc. N. Jersey, 1941, 38: 509–12.—**Weiss, E.** PSM. In: Oxford Med., N. Y., 1945, 1: 744 (1)–744(27) ——— **& Saul, L. J.** PSM. Progr. Neur. Psychiat., N. Y., 1946, 1: 597; 1947, 2: 403; 1948, 3: 525.—**Weizsäcker, V. v.** PSM. Med. Mschr., 1949, 3: 555. ——— PS Wissenschaft und Medizin. Praxis, Bern, 1949, 38: 336.—**Wickware, F. S.** PSM. In: Science Yearb. (Ratcliff, J. D.) N. Y., 1946, 149–61.—**Williams, J. F.** PSM. Virginia M. Monthly, 1948, 75: 452–5.—**Wittkower, E. D.** PSM. In: Mod. Pract. Psychol. M., N. Y., 1949, 103–34.—**Zabriskie, E. G.** What is PSM? Clin. Med., 1944, 51: 355.

—— Psychosomatic medicine: Bibliography.

RASCOVSKY, A. Resúmenes de libros y artículos fundamentales relacionados con la literatura psicosomática reciente. p.615–754. 23cm. B. Air., 1948.

In his Pat. psicosomát., B. Air., 1948.

Grotjahn, M. Psychoanalytic contributions to PSM; a bibliography. Psychosomat. M., 1944, **6**: 169–75.—**New** medical journal for mind and body. Science News Lett., 1939, **35**: 72.—**Schiele, B. C.** PSM; review. Staff Meet. Bull. Hosp. Univ. Minnesota, 1944–45, **16**: 97–105.

—— Psychosomatic medicine: Cardiology.

Dreyfus-Moreau, J. MPS et cardiologie. Sem. hôp., Par., 1948, **24**: 1210–4.—**Moura, J. P. P. de.** MPS; cardiologia psicossomática. Bol. Soc. med. cir. Campinas, 1948, **6**: 93–100. ——— MPS; cardiologia, diagnóstico e tratamento. Ibid., 119–33.—**Simazono, Y.** Seisin-sintai-igaku mata-wa kokoro to sintai to no kankei [The relation between PSM or the heart and the body] Tiryō, 1949, **31**: 329–32.

—— Psychosomatic medicine: Clinics.

Austregésilo, A. La clínica PS. Rev. neur. B. Aires, 1946–47, **11**: 191–211.—**Bernstein, S. S., Small, S. M., & Reich, M. J.** A PS unit in a general hospital. Am. J. Nurs., 1949, **49**: 516–9.—**New** PS clinic. J. Am. M. Ass., 1944, **126**: 247.—**Psychoanalytic** and PS Clinic. J. Nerv. Ment. Dis., 1945, **101**: 200.—**Psychoanalytic** and PS clinic established at Columbia. Psychiat. Q., 1944, **18**: 713.

—— Psychosomatic medicine: Dentistry.

McDONALD, A. E. Psychosomatics and hypnotism in dentistry. 58p. 22cm. N. Orleans, 1949.

Landa, J. S. Some PS aspects of medicine. Dent. Items, 1947, **69**: 99; passim.—**McGonigle, W. I. L.** PSM as applied to dentistry. J. N. Jersey Dent. Soc., 1944–45, **16**: 25–8.—**Roberts, D. L.** The dental aspects of psychosomatics. Penn Dent. J., 1948–49, **52**: No. 4, 16–20.—**Weiss, E.** PS aspects of dentistry. J. Am. Dent. Ass., 1944, **31**: 215–20.

—— Psychosomatic medicine: Dermatology.

Campbell, C. H. Somato-psychic medicine. J. Invest. Derm., 1947, **8**: 191–8.—**Pichon-Rivière, E.** Aspectos PS de la dermatología. Rev. psicoanál., B. Air., 1948, **6**: 295–329.—**Ramos e Silva, J.** A dermatologia e a MPS. Hospital, Rio, 1944, **25**: 863–75.

—— Psychosomatic medicine: Essays.

A., W. C. PSM is not new. Gastroenterology, 1946, **6**: 62.—**Agüero Correa, G.** La salud mental del maestro; consideraciones sobre MPS. Rev. med., Valparaíso, 1945, **18**: 630–5.—**Alexander, F.** Aspectos psicológicos de la medicina. Rev. psicoanál., B. Air., 1943, **1**: 63–82.—**Alvarez, W. C.** Some aspects of PSM of interest to the general practitioner. Med. Clin. N. America, 1949, **33**: 923–33.—**Andresen Leitão, J.** A PS e os médicos; influência da guerra na agudização do problema. J. méd., Porto, 1948, **11**: 294–6.—**Armstrong, C. P.** Psychosomatics of everyday life. J. Gen. Psychol., 1949, **41**: 101–9.—**Ascher, E.** PSM; a critique. J. S. Carolina M. Ass., 1949, **45**: 113–6.—**Austregésilo, A.** Fames, libido, ego e a MPS. Cult. méd., Rio, 1945–46, **7**: 67–83.—**Barbeau, A.** Sous le signe de Psyché. J. Hôtel-Dieu Montréal, 1943, **12**: 247–60.—**Barrow, W. H.** The patient and the art of living; an approach to PSM. J. Am. M. Ass., 1940, **114**: 703–13.—**Bauer, J.** PS aspects of general medicine. Clin. Proc., Cape Town, 1944, **3**: 461–8. Also Mod. Med., Chic., 1945, **13**: No. 2, 57–64.—**Bentley, M.** Mind, body, and soul in medical psychology. Am. J. Psychol., 1933, **45**: 577–91.—**Binger, C.** A critique of PSM. Rhode Island M. J., 1945, **28**: 642–6.—**Bingham, C. T.** PSM; the etiological approaeh to diagnosis and therapy. Connecticut M. J., 1948, **12**: 545–9.—**Boyd, W. E.** The body-mind and modern medicine; a new circuit for recording the psycho-galvanic reflex. Brit. J. Phys. M., 1940, n. ser., **3**: 71–5.—**Burlingame, C. C.** The emotions under a microscope. J. Oklahoma M. Ass., 1949, **42**: 468–72.—**Burnham, R. W.** Logic in PSM. Psychol. Rev., 1944, **51**: 257–9.—**Campbell, C. H.** A brief critique of psychosomatics. Ann. Allergy, 1945, **3**: 163–71. Also Ohio M. J., 1945, **41**: 805–9.—**Dechaume, J.** Unité somato-psychique et MPS. Concours méd., 1949, **71**: 423–5.—**Deutsch, F.** The PS concept. Acta med. orient., Jerusalem, 1948, **7**: 33–42.—**D'Heucqueville, G.** Médecine du corps et médecine de l'esprit. Arch. internat. neur., Par., 1947, **66**: 149; passim. Also Arch. hosp., Par., 1949, **21**: 173–80.—**Doi, K.** Seisin-sintai igaku no rikai no tame ni [Towards an understanding of PSM] Tokyo izi sinsi, 1949, **66**: 78; passim.—**Finesinger, J. E.** Psychiatric components in medical disease; PSM. Collect. Papers Dep. Neur. Harvard M. School, 1944, **13**: No. 22, 1–19.—**Freyhan, F. A.** The PS dilemma. Delaware M. J., 1948, **20**: 165–8.—**Frisbie, G. F.** PS interrelations in general medicine. N. England J. M., 1945, **232**: 398.—**Galdston, I.** Biodynamic medicine versus PSM. Bull. Menninger Clin., 1944, **8**: 116–21.—**Gillespie, R. D.** Psychological medicine and the family doctor. Guy's Hosp. Gaz., Lond., 1945, **59**: 216–20.—**Groen, J.** Doelstelling en werkterrein der PSM. Geneesk. gids, 1947, **25**: 505–11.—**Halliday, J. L.** PSM and the medical officer. Health Bull., Edinb., 1945–46, **4**: 43; 75. ——— PSM, a new medical outlook. Pharm. Advance, 1947, No. 175, 3–5. Also Surgo, Glasg., 1948–49, **15**: 69–72.—**Henry, J.** Anthropology and psychosomatics. Psychosomat. M., 1949, **11**: 216–22. **Hoagland, H.** Scientific capital and the dividends of applied science. Dis. Nerv. Syst., 1947, **8**: 106–11.—**Katzenelbogen, S.** PSM; introductory remarks. Ibid., 1943, **4**: 342–5.—**Laboucarié, J.** Les tendances de la MPS. Toulouse méd., 1948, **49**: 822–40.—**Lambert, H.** Aux horizons de la médecine. Avenir méd., Par., 1938, **35**: 202; 240; 1939, **36**: 39.—**Le Sage, J.** De la nécessité d'une MPS. Union méd. Canada, 1949, **78**: 1444–7.—**Liber, B.** Between mental health and mental disease. N. York State J. M., 1938, **38**: 1288.—**Livni, S.** Reflections on the PS approach. S. Afr. M. J., 1948, **22**: 56–63.—**Margolin, S. G., & Kaufman, M. R.** What is PSM? Med. Clin. N. America, 1948, **32**: 609.—**Margolis, H. M.** The biodynamic point of view in medicine. J. Social Casework, 1949, **30**: 3–9.—**Marques, A.** Tendência PS da medicina. Hospital, Rio, 1943, **23**: 833–9. ——— Medicina integral. Med. cir. farm., Rio, 1947, 9–13.—**Martínez Laurencena, I.** Medicina funcional; kinesiterapia sensorial; estesioterapia. Actual. méd., Granada, 1947, **33**: 566–73.—**Maslow, A. H.** Higher and lower needs. J. Psychol., Provincet., 1948, **25**: 433–6.—**Mathews, A. G.** The medical profession and medical schools still frown on the merits of PSM. J. Nat. M. Soc., 1948, **4**: 22.—**Medeiros, M. de.** Aspectos atuais da MPS. An. Inst. psiquiat., Rio (1946–47) 1948, 75–89.—**Meshorer, E.** A homoeopath views PSM. Homoeop. Rec., 1948–49, **64**: 177–83.—**Mira y López, E.** Orientación PS en la medicina actual. Sem. méd., B. Air., 1942, **49**: 1079–86.—**Moschcowitz, E.** Essays on the biology of disease. J. Mount Sinai Hosp. N. York, 1945–46, **12**: 928–38.—**Nelken, S.** What makes MPS? N. Orleans M. & S. J., 1944–45, **97**: 319–22.—**Paster, S.** General aspects of PSM. Rev. Gastroenter., 1947, **14**: 391–401.—**Poli, E.** Analisi del concetto di MPS. Settimana med., 1949, **37**: 381–5.—**Psychosomatic** medicine; theory and therapy. Mount Airy Sanit. Bull., 1948, May, 1–20.—**Rodríguez Portillo, M.** En el conocimiento integral del hombre radica la esencia de la medicina. Gac. méd. españ., 1949, **23**: 460–2.—**Ross, G. L., & Brown, T. E.** The PS concept in working clothes. Am. J. Psychiat., 1949–50, **106**: 680–5.—**Saslow, G.** An experiment with comprehensive medicine. Psychosomat. M., 1948, **10**: 165–75.—**Scheimann, E.** The relation of the study of the hand to PSM. Med. Rec., N. Y., 1946, **159**: 284–6.—**Seguín, C. A.** Lo que no es la MPS. Medicamenta, Madr., 1950, **8**: 1.—**Smith, L.** Why psychology? London Hosp. Gaz., 1943–44, **47**: 14.—**Sorhegui, R.** Bosquejo de la MPS. Rev. méd. hondur., 1948, **16**: 804–12.—**Souza, F. de.** Um aspecto interessante da MPS; a psicobiologia objetiva da Adolf Meyer. An. Inst. psiquiat., Rio (1946–47) 1948, 90–8.—**Strecker, E. A.** The leaven of PSM. Ann. Int. M., 1943, **18**: 736–40.—**Tochtermann, W.** Von der Kunst des Helfens. Med. Mschr., 1949, **3**: 136.—**Truffert, P.** A propos de la discussion sur la MPS. Mém. Acad. chir., Par., 1947, **73**: 373–5.—**Vallejo Nájera, A.** Crítica y resultados de los métodos psicobiológicos. Medicina, Madr., 1941, **9**: 79–98.—**Venturi, V.** Idéas gerais sobre MPS. Bol. Sanat. S. Lucas, S. Paulo, 1948–49, **10**: 102–8.—**Viegas, A. P.** A medicina integral. Med. cir. farm., Rio, 1948, 669–73.—**Warburg, E.** Nogle korte betragtninger om laegelig psychologi. Med. forum, Kbh., 1949, **2**: 229–33.—**Weiss, E.** The study of the emotional life in the practice of medicine. In: Libro de oro M. R. Castex, B. Air., 1939, **3**: 1468–72. ——— The medical approach to postwar emotional problems. Westchester M. Bull., 1945, **13**: No. 10, 7–9.—**West, R.** An introduction to PSM. Med. World, Lond., 1947–48, **67**: 266–9.—**Zeno, L., & Pizarro Crespo, E.** Clinica PS. Rev. argent. neur. psiquiat., Rosario, 1946, **11**: 37–47.—**Zweig, H.** Das Leib-Seelenproblem und seine Auswirkung in der Medizin. Zbl. ges. Neur. Psychiat., 1931–32, **61**: 1–25.

—— Psychosomatic medicine, experimental.

Alexander, F. Clinical versus experimental approach in psychosomatics. Psychosomat. M., 1941, **3**: 330–6.—**Delay, J.** Les bases expérimentales et scientifiques de la MPS. Praxis, Bern, 1948, **37**: 955. ——— Les bases expérimentales de la MPS. Rev. méd. Suisse rom., 1949, **69**: 154–76.—**Report** of the Committee on Animal Experimentation 1943–1944. Psychosomat. M., 1945, **7**: 46–51.—**Wolf, S.** Experimental research into PS phenomena in medicine. Science, 1948, **107**: 637–9.

—— Psychosomatic medicine, forensic.

Smith, H. W., & Cobb, S. Relation of emotions to injury and disease; a call for forensic PSM. Ann. Int. M., 1943, **19**: 873–908.

—— Psychosomatic medicine: Gynecology and obstetrics.

Braga. MPS en gynécologie. J. prat., Par., 1947, **61**: 392.—**Bryson, E.** The PS approach in gynaecological practice. Practitioner, Lond., 1945, **155**: 378–84.—**Clavero Núñez, A.** Ginecología PS. Rev. mex. cirug., 1949, **17**: 307–15.—**Cooke, W. R.** Psychosomatics in gynecic practice. South. M. J., 1949, **42**: 903–8.—**Faria, T. V. de.** O terceiro componente em clínica

ginecológica. Rev. med. Rio Grande do Sul, 1948–49, 5: 253–6. ——— Desajustes matrimoniais em clínica ginecológica. Ibid., 312–5.—**Feinberg, C. M.** Problema reaktivnykh sostojanij. In his Sudeb. psihiat. exp., Moskva, 1947, 21–4.—**Fernández-Ruiz, C.** La ginecología PS; cuerpo y alma. Medicina, Madr., 1949, 17: pt 2, 200–11.—**Kosmak, G. W.** PS aspects of gynecology and obstetrics. N. York State J. M., 1945, 45: 2298–304.—**Nemirovsky, J.** MPS em ginecologia e obstetricia. Impr. méd., Rio, 1949–50, 25: No. 427, 34–59.—**Oliveira, E. de.** Limites da ginecologia PS. Hospital, Rio, 1949, 36: 399–415.—**Palmer, D. M.** PS orientations in obstetrics and gynecology. Ohio M. J., 1949, 45: 965–70.—**Pratt, J. P.** PS gynecology. Bull. Chicago M. Soc., 1947–48, 50: 23.—**Turenne, A.** MPS em ginecologia. An. brasil. gin., 1948, 26: 304–8. ——— Ginecotocologia PS. Matern. & inf., S. Paulo, 1948, 6: No. 17, 191–205.—**Winzeler, H.** Psychiatrie, Psychotherapie und Neurologie. Mschr. Geburtsh. Gyn., 1939–40, 110: 275; passim.

—— Psychosomatic medicine: History.

Barbosa, J. T. São Tomaz de Aquino e os fundamentos da MPS. Hospital, Rio, 1947, 32: 285.—**Biedermann, J.** Stiller Bertalan alkattana és a mai ú. n. PS orvostan. Tud. közl. Pesti izr. hitközs. alapitv. közkórh., Budap., 1949, 19–29.—**Delmas-Marsalet, P., Faure, J.** [et al.] Contributions à la MPS. Concours méd., 1949, 71: 114.—**Leonard, C. E.** Recent advances in PSM. J. Oklahoma M. Ass., 1943, 36: 334–7.—**Maffezzoni, G.** Nota informativa sugli sviluppi attuali della MPS. Accad. med., Tor., 1949, 64: 349–54.—**Marty, P.** La MPS, évolution normale des sciences médicales. Médecin fr., 1947, 7: 313–5.—**Moura, J. P. P. de.** A evolução do pensamento PS e a medicina. Bol. Soc. med. cir. Campinas, 1948, 6: 27–34.—**Notkin, J.** Recent progress in PSM. J. Nerv. Ment. Dis., 1941, 94: 593–605.—**Raginsky, B. B.** PSM; its history, development and teaching. Am. J. Med., 1948, 5: 857–78.—**Seguin, C. A.** Erasistratus, Antiochus, and PSM. Psychosomat. M., 1948, 10: 355, illust.—**Vallejo-Nágera Botas, J. A.** La MPS y su influencia en la medicina española. Medicina, Madr., 1949, 17: 388–94.—**Weiss, E., & Saul, L. J.** PSM. Progr. Neur. Psychiat., N. Y., 1949, 4: 467–72.—**Zilboorg, G.** PSM; a historical perspective. Arch. Neur. Psychiat., Chic., 1943, 50: 733. Also J. Nerv. Ment. Dis., 1943, 98: 414. Also Psychosomat. M., 1944, 6: 3–6.

—— Psychosomatic medicine: Industrial aspect.

Chatelier, A. Staggered hours and overtime; a study in psychosomatics. Med. World, Lond., 1947–48, 67: 434–7.—**Eadie, G. A.** Practical methods for handling PS problems in industry. Indust. M., 1949, 18: 369–71.—**Irvin, E. A.** PS consultations in industry. Ibid., 1946, 15: 1–5. Also M. D., Chic., 1946, 1: No. 3, 19–28. Also Indust. Nurs., 1947, 6: 27–35.—**Kindred, J. C.** Emotional first aid stations in industry off the job; the industrial patient in the hospital. Postgrad. Course Indust. M. Long Island Coll. M., 1944, 3: Sect. E, No. 14, 1–3.—**Lott, G. M.** Emotional first aid stations in industry; the psychiatrist as a staff member of the medical department. Ibid., No. 13, 1–8.—**Mittelmann, B., Weider, A.** [et al.] Detection and management of personality and PS disorders among industrial personnel. Psychosomat. M., 1945, 7: 359–67.—**Ross, H. G.** PSM in industry. J. Michigan M. Soc., 1945, 44: 1067–71. ——— PS disturbances and their bearing on the worker's efficiency. Canad. M. Ass. J., 1950, 62: 141–6.—**Sumiacher, B.** Clínica PS en la medicina del trabajo. Med. deporte, B. Air., 1948, 13: 1858–63.—**Whitney, L. H.** Emotional first aid stations in industry; on the job. Postgrad. Course Indust. M. Long Island Coll. M., 1944, 3: Sect. E, No. 12, 1–5.

—— Psychosomatic medicine: Institutes.

Josiah Macy jr Foundation. Psychoanal. Q., 1942, 11: 147.

—— Psychosomatic medicine: Instruction.

Alexander, F. Training principles in PSM. Am. J. Orthopsychiat., 1946, 16: 410–2.—**Daniels, G. E.** Graduate training in PSM. Bull. Menninger Clin., 1945, 9: 63–8.—**Daniels, G. E.** Graduate training in PSM. Bull. Menninger Clin., 1945, 9: 63–8.—**Deutsch, F., Kaufman, M. R., & Bumgart, H. L.** Present methods of teaching. Collect. Papers Dep. Nerv. Harvard, 1941, 11: No. 11, 213–22.—**Levine, M.** An orientation chart in the teaching of PSM. Psychosomat. M., 1948, 10: 111–3.—**Rubin, S.** The psychiatric history in the teaching of PSM. Bull. Menninger Clin., 1948, 12: 182–6.—**Weiss, E., & English, O. S.** Training in PSM. In their Psychosomat. Med., Phila., 1943, 642–51.

—— Psychosomatic medicine: Internal medicine.

Carns, M. L., & Washburne, A. C. Psychiatric investigation in internal medicine. Ann. Int. M., 1933, 7: 664–8.—**Clark, P. C.** PS problems as seen in internal medicine. Psychiat. Q., 1946, 20: 113–22.—**D'Alambert, J. P. G.** A endocrinologia na MPS. Rev. clín. S. Paulo, 1946, 19: 38–46.—**Lockwood, B. C.** Psychiatry and PSM viewed by an internist. J. Michigan M. Soc., 1947, 46: 1183–8.—**Miranda, P.** Las glándulas endocrinas y la MPS. Prensa méd. mex., 1949, 14: 218–21.—**Steckel, H. A.** Psychiatric implications of internal medicine. Psychiat. Q., 1945, 19: 636–43.—**Strauch, F. W.** Das Seelische in der inneren Medizin. Med. Mschr., 1949, 3: 214–7.—**Strecker, E. A.** Psychosomatics; the liaison between internal medicine and psychiatry. J. Am. M. Ass., 1947, 134: 1520.—**Van Balen, G. F.** PS beoordeling in de interne practijk. Belg. tschr. geneesk., 1949, 5: 89–92.—**Williams, R. D.** An internist looks at PSM. Interne, 1948, 14: 235, &c.

—— Psychosomatic medicine: Manual.

Alexander, F. G., & French, T. M. Studies in PSM. 568p. 24cm. N. Y., 1948.

Antoni, N. R. E. En bok om nerver. 449p. 19cm. Stockh., 1946.

Boss, M. Körperliches Kranksein als Folge seelischer Gleichgewichtsstörungen. 3. Aufl. 115p. 19½cm. Bern, 1940. Also 4. Aufl. 111p. 20cm. Bern, 1940.

—— [The same] Själsharmoni och hälsa. 124p. 20½cm. Stockh., 1944.

Braatøy, T. F. De nervøse sinn; medisinsk psykologi og psykoterapi. 670p. 26½cm. Kbh., 1947.

Cassiano, H. Medicina PS e sociedade. 130p. 23½cm. Rio, 1947.

Dunbar, H. F. PS diagnosis. 741p. 24½cm. N. Y., 1943.

—— Mind and body, PSM. 263p. 22cm. N. Y., 1947.

—— Synopsis of PS diagnosis and treatment. 501p. 20cm. S. Louis, 1948.

Hinsie, L. E. The person in the body; an introduction to PSM. 263p. 21cm. N. Y., 1945.

Hollmann, W. Krankheit, Lebenskrise und soziales Schicksal; sieben Vorlesungen. 192p. 21½cm. Lpz., 1940.
Forms H. 4, Schriftenreihe Deut. med. Wschr.

Jelliffe, S. E. Sketches in PSM. 155p. 23½cm. N. Y., 1939.

Leahy, M. P. The mind in disease; some conditions cured by suggestion. 178p. 8° Lond., 1926.

Psychosomatic medicine monograph. Wash., No. 1, 1939–

Rascovsky, A. Patología PS. 768p. 24cm. B. Air., 1948.

Segno, A. V. The law of mentalism. 33. ed. 206p. 23cm. Los Ang., 1902.

Seguin, C. A. Introducción a la MPS. 292p. 25cm. Lima, 1947.

—— [The same] Introduction to PSM. 320p. 22cm. N. Y., 1950.

Siebeck, R., & Weizsäcker, V. v. Die Medizin in der Verantwortung. 44p. 20cm. Tüb., 1947.
Forms v.2, ser. 5, Schriftenreihe Evangelischen Akad.

Slaughter, F. G. Medicine for moderns; the new science of PSM. 246p. 22cm. N. Y., 1947.

Stein, C. Nothing to sneeze at. 107 l. 28cm. Springf., 1949.

Tournier, P. Krankheit und Lebensprobleme. 4. Aufl. 296p. 22½cm. Basel, 1944.

Tridon, A. Psychoanalysis and man's unconscious motives. 208p. 19½cm. N. Y., 1924.

Weizsäcker, V. von. Klinische Vorstellungen. 2. Aufl. 125p. 23½cm. Stuttg., 1943. Also 3. Aufl. 125p. 24cm. Stuttg., 1947.

—— [The same] Problemas clínicos de MPS. 168p. 28cm. Barcel., 1946.

White, W. A. Medical psychology; the mental factor in disease. 141p. 8° N. Y., 1931.

Zeno, L., & Pizarro Crespo, E. Clínica PS. 361p. 23cm. B. Air., 1945.

—— Psychosomatic medicine: Neuropsychiatry.

Bonner, C. A. The application of PSM in a mental hospital. Am. J. Occup. Ther., 1948, **2**: 216–9.—**Caldas, M.** Psiquiatria ou sinoliatria? Brasil méd. cir., 1949, **11**: 331–40.—**Dunbar, H. F.** Physical-mental relationships in illness; trends in modern medicine and research as related to psychiatry. Am. J. Psychiat., 1934–35, **91**: 541–62.—**Krasnuškin, E. K.** O somatopsikhiatrii. Klin. med., Moskva, 1948, **26**: No. 8, 3–9.—**Leme Lopes, J.** A MPS do ponto de vista do psiquiatra. Rev. brasil. med., 1946, **3**: 375–81.—**Musa, A. B.** Psychiatry with PS implications in general hospital. Connecticut M. J., 1946, **10**: 474–6.—**Palmer, W. W.** Psychiatric aspects of medical problems. Am. J. Psychiat., 1934–35, **91**: 575–84.—**Schisle, B. C.** PSM and psychiatry. Dis. Nerv. Syst., 1946, **7**: 101–6.

—— Psychosomatic medicine: Ophthalmology, and otorhinolaryngology.

Brandenburg, K. C. PS manifestations in eye, ear, nose and throat practice. Ann. West. M. & S., 1948, **3**: 89–94.—**Clay, J. V. F.** PS aspects of ophthalmology and otolaryngology. Hahneman. Month., 1948, **83**: 74–9.—**Gómez Cima, L.** Psicosoma y otorrinolaringología. Medicina, Madr., 1949, **17**: pt 2, 325–30.—**Henner, R.** PS components of disease in otolaryngology. Arch. Otolar., Chic., 1948, **47**: 789–801.

—— Psychosomatic medicine: Pediatric aspect.

See also subheading (Psychosomatic disease—in children)

Fontes, V. A PS e a neuro-psiquiatria infantil. Monogr. Inst. Costa Ferreira, Lisb., 1948, 41–65.—**Heinild, S.** PS pediatrics. Acta paediat., Upps., 1949, **37**: 117–24.—**Moragas, J. de.** Algo sobre la patología PS de las primeras edades. Rev. españ. pediat., 1946, **2**: 666–77.—**Psykosomatisk** paediatri. Ugeskr. laeger, 1947, **109**: 982.—**Richards, E. L.** La MPS en la sala de pediatría. Hospital (América clín.) N. Y., 1947, **3**: No. 8, 36–8.—**Sperling, M.** The handling of mothers of children with PS disorders. Psychosomat. M., 1949, **11**: 315.

—— Psychosomatic medicine: Practice.

Arzt, P. K. PSM in general practice. J. Lancet, 1948, **68**: 423–7.—**Barilari, M. J., Berruezo, J. J., & Berard, E. L.** El médico y el problema del tiempo. Día méd., B. Air., 1948, **20**: 1314.—**Berblinger, K. W.** PS considerations in general practice. Virginia M. Month., 1950, **77**: 113–8.—**Billow, B. W.** PSM in daily practice. Am. Practitioner, 1947–48, **2**: 321–3.—**Blount, R. C.** Practical aspects of PSM. Kentucky M. J., 1947, **45**: 398–401.—**Brown, M.** PS problems in medical practice. Bull. North Shore Br. Chicago M. Soc., 1949, May, 9, &c.—**Cooper, S. R., & Powles, W. E.** The PS approach in practice. McGill M. J., 1945, **14**: 415–38.—**Daniels, G. E.** The PS approach in medical practice. Bull. N. York Acad. M., 1948, **24**: 209–26.—**Davidson, M., James, G. W. B., & Richardson, J. S.** Co-operation between physician and psychiatrist in PSM. Postgrad. M. J., Lond., 1948, **24**: 407–14.—**Dunbar, F.** Progresos recientes en investigación y práctica PS. Rev. neur. psiquiat., Lima, 1945, **2**: 99–120.—**Gosline, H. I.** Medical practice for body and mind. N. York State J. M., 1941, **41**: 2141–4.—**Greenhill, M. H.** The application of PS techniques to the general practice of medicine. North Carolina M. J., 1949, **10**: 535–41.—**Guiang, R. V.** PSM in general practice. J. Philippine M. Ass., 1949, **25**: 1–9.—**Hauser, A.** PS therapy in general practice. Texas J. M., 1949, **45**: 683–5.—**Kaufman, M. R., & Margolin, S. G.** Theory and practice of PSM in a general hospital. Med. Clin. N. America, 1948, **32**: 611–6.—**Livni, S.** Reflections on the PS approach in general practice. S. Afr. M. J., 1947, **21**: 857–63.—**Martin, C. A.** Les limites de la pratique PS. Laval méd., 1949, **14**: 180–208. Also Union méd. Canada, 1949, **78**: 352.—**Moriarty, J. D.** PS aspects of general practice. Ann. West. M. & S., 1948, **2**: 166–9.—**Ryan, E. J., & Morgan, P. W.** PS problems in a private practice. J. Laborat. Clin. M., 1948, **33**: 1621.—**Saul, L. J.** The place of PS knowledge in case work. Proc. Nat. Conf. Social Work, 1941, **68**: 280–94.—**Stevenson, G. H.** PSM and the general practitioner. Canad. M. Ass. J., 1943, **49**: 488–92.—**Strotzka, H.** Praktischer Arzt und PSM. Prakt. Arzt, Wien, 1948, **2**: 235–44.—**Weiss, E.** PSM and the general physician. Delaware M. J., 1941, **13**: 181–4. ——— PS aspects of general practice. Clin. Med., 1943, **50**: 292–4. ——— PS aspects of problem cases in the practice of medicine. Proc. Interst. Postgrad. M. Ass. N. America (1944) 1945, 204–11. Also Spanish transl., Rev. neur. psiquiat., Lima, 1945, **8**: 1–25. ——— The PS concept in general medical practice. Pennsylvania M. J., 1948–49, **52**: 692–7.—**Weizsäcker, V. v.** PS Wissenschaft und ärztliche Praxis. Schweiz. med. Wschr., 1949, **79**: 155.—**Williams, J. F.** Practice of PSM. Virginia M. Month., 1947, **74**: 401–5.—**Wolf, S.** Como é praticada a PS em Nova York. Rev. brasil. med., 1947, **4**: 355.

—— Psychosomatic medicine: Principles.

Alexander, F. Conceptos fundamentales en la investigación PS, psicogénesis, conversión y especificidad. Psiquis, Méx., 1949, July, 38–51.—**Angel, J.** La PSM et ses bases. Progr. méd., Par., 1949, **77**: 179–84.—**Austregésilo, A.** Fundamentos da clínica PS. Impr. méd., Rio, 1947–48, **23**: No. 411, 25–35.—**Blanchet, R.** Les fondements de la MPS. Laval méd., 1949, **14**: 427–36.—**Boss, M.** Die Grundlagen einer PSM. Schweiz. med. Wschr., 1949, **79**: 1203–8.—**Browne, A. M.** Principios de MPS. Día méd., B. Air., 1944, **16**: 1141–5.—**Draper, G.** The concept of organic unity and PSM. J. Am. M. Ass., 1944, **124**: 767–71.—**Gottlieb, J. S.** PSM; basic principles. Bull. Linn Co. M. Soc., 1947–48, **16**: 7, &c.—**Hardie, P. W.** Some PS principles. McGregor Clin. Bull., Hamilton, 1947, **8**: No. 2, 3–15.—**Kupper, H. I.** Psychodynamic concepts in PSM. Ann. West. M. & S., 1947, **1**: 388–91.—**Lentino, P.** Bases da MPS. Neurobiologia, Recife, 1946, **9**: 113–25.—**Leśčenko, C. D.** Princip nejrosomatičeskogo edinstva v kliničeskoj medicine i rol mežutočnogo mozga. Vrach. delo, 1946, **26**: 18–22.—**McNeel, B. H.** PS principles; their application to care in a general hospital. Canad. Hosp., 1948, **25**: No. 7, 27. Also Spanish transl., Hospital (América clín.) N. Y., 1950, **6**: 14–7.—**Nobre de Mello, A. L.** Fundamentos da MPS. Cult. méd., Rio, 1945–46, **7**: 31–7.—**Pacheco e Silva, A. C.** Fundamentos da MPS. An. paul. med. cir., 1949, **58**: 365–70.—**Pichon-Rivière, E. J.** Conceptos básicos en MPS. Prensa méd. argent., 1948, **35**: 1719–23.—**Sacristán, J. M.** Algunas consideraciones acerca de los fundamentos de la MPS. Rev. psicol. gen. apl., Madr., 1946, **1**: 109–44.—**Spitz, R. A.** PS principles and methods and their clinical application. Med. Clin. N. America, 1944, **28**: 553–64.

—— Psychosomatic medicine: Problems.

Wyss, W. H. v. Psychophysiologische Probleme in der Medizin. 207p. 23cm. Basel, 1944.

Barnett, J. M. PS aspects of problem cases in medicine and surgery. J. M. Ass. Georgia, 1946, **35**: 250–6.—**Ewalt, J. R.** PS problems. J. Am. M. Ass., 1944, **126**: 150–3.—**Goldstein, K.** The PS problem; its significance for the physician. Bull. New England M. Center, 1941, **3**: 145–7.—**Hastings, D. W.** PS problems in general medicine. Bull. Hennepin Co. M. Soc., 1947, **18**: 19–23.—**Krapf, E. E.** Problemas de la MPS. Prensa méd. argent., 1948, **35**: 1713–9.—**Lewis, N. D. C.** Practical PS problems. Bull. Chicago M. Soc., 1947–48, **50**: 153–7.—**Long, F. A.** Psychosomatics; the problem, the scope, and the approach. J. Am. Osteopath. Ass., 1948–49, **48**: 187–91.—**Weiss, E.** PS aspects of problem cases in the practice of medicine. Postgrad. M., 1947, **2**: 10–9.—**Whitehorn, J. C.** PS problem (transl.) Nord. med., 1948, **38**: 919–22.—**Williams, J. F.** PSM; problems in the general hospital. South. M. & S., 1948, **110**: 302–4.—**Wolf, W.** The problem of the PS patient. Am. J. Psychother., 1948, **2**: 438–40.

—— Psychosomatic medicine: Public health aspect.

Dunbar, F. The bearing of emotional factors on social health programs dealing with economic disability. In: Ment. Health (Am. Ass. Advance. Sc.) Lancaster, 1939, 199–210. ——— Public health aspects of PS problems. Am. J. Pub. Health, 1945, **35**: 117–22.—**Gilbert, R.** Relating the PS viewpoint to public health nursing. Ibid., 123–32.—**Lombardi, A.** La MPS nel quadro dell'attuale crisi sanitaria. Fed. med., Roma, 1949, **2**: No. 10, 11–3.—**McGregor, E. M., Middleton, A. B.** [et al.] Seminar on PS viewpoint in public health services. In: Ment. Health in Nurs., Wash., 1949, 143–6.

—— Psychosomatic medicine: Research.

Alexander, F. Fundamental concepts of PS research; psychogenesis, conversion, specificity. Psychosomat. M., 1943, **5**: 205–10. Also Arch. Neur. Psychiat., Chic., 1944, **51**: 208–10.—**American** (The) Society for Research in PS Problems. Am. J. Digest. Dis., 1943, **10**: 235. Also J. Am. M. Ass., 1943, **121**: 517.—**English, O. S.** PSR; clinical and research implications. Ment. Hyg., Alb., 1948, **32**: 560–7.—**Joint** meeting of the American Society for Research in PS Problems will be held with the American Psychiatric Association on Monday, May 15, at the Bellevue-Stratford Hotel, Philadelphia; program. Psychosomat. M., 1944, **6**: 169–75.—**National** Committee for Mental Hygiene establishes research fund in PSM. Ment. Hyg., Alb., 1944, **28**: 500–2.—**Society** for Research in PS Problems. J. Am. M. Ass., 1943, **123**: 105.—**Stainbrook, E.** The experimental induction of acute animal behavior disorders as a method in PS research. Psychosomat. M., 1947, **9**: 256–9.

—— Psychosomatic medicine: Surgical aspect.

Beck, W. C. Surgery and PS disease. Am. J. Surg., 1948, **75**: 757.—**Brooks, B.** PS surgery. Tr. South. Surg. Ass. (1943) 1944, **55**: 1–11.—**Dogliotti, A. M.** Aspetti dell animo umano visti da un chirurgo. Minerva med., Tor., 1941, **32**: pt 1, 553–7.—**Gosset, J.** Problèmes PS en chirurgie générale. Mém. Acad. chir., Par., 1947, **73**: 122–9. Also Sem. hôp., Par., 1947, **23**: 913–7. ——— & **Marty, P.** Chirurgie et problèmes PS. Bruxelles méd., 1950, **30**: 246–61.—**Kooiker, P. R.** PS problems in surgical practice. J. Am. Osteopath. Ass., 1948–49, **48**: 238–40.—**Kussell, J. D.** Movements and motivations. Med. J. Australia, 1949, **2**: 376–80.—**Simoncli, A.** Soul, M & B. In: Sidelights Surgery (S. Forbát) Lond., 1939, 91–116.—**Vignes, H.** MPS et affections chirurgicales. J. prat., Par., 1948, **62**: 644.—**Zeno, L.** Tendencia PS en cirugía; contribución clínica. An. cirug., Rosario, 1948, **13**: 111–9. Also Día méd., B. Air., 1948, **20**: 1949–53. ——— Tendencia PS en ortopedia; traumatología. Rev. As. méd. argent., 1948, **62**: 581–3.

—— Respiratory relations.

Ent. An essay tending to make a probable conjecture of tempers and dispositions by the modulations of the voice in ordinary discourse. Philos. Tr., Lond., 1676–78, **11–12**: 1010.

—— Self-knowledge.

See also under **Mind.**

SCHILDER, P. Das Körperschema; ein Beitrag zur Lehre vom Bewusstsein des eigenen Körpers. 92p. 8° Berl., 1923.

—— The image and appearance of the human body; studies in the constructive energies of the psyche. 353p. 8° Lond., 1935.

Lunn, V. Om legemsbevidstheden, belyst ved nogle forstyrrelser af den normale oplevelsesmaade. Ugeskr. laeger, 1948, **110**: 178–80.

—— Sexual aspect.

Grisillon, M. Relations du physique et du psychique chez la femme. J. prat., Par., 1948, **62**: 645.—**Wolfe, T. P.** The sex-economic concept of PS identity and antithesis. Internat. J. Sex Econom., 1942, **1**: 33–54.

—— Somatic effect upon mind.

Barship, M. M. Mental reactions in health and disease. Freedmen's Hosp. Bull., 1934, **1**: 62; 65.—**Nakagawa, K.** Syokubutu-sei sinkei-kei kintyō to zyōtyo hassei to no kankei ni tuite [The relation between tonus in the vegetative nervous system and the development of emotions] Neurologia, Tokyo, 1925, **25**: 226–9.—**Physical** health modifies mentality in many ways. Tr. Nat. Safety Counc., 1933, 22. Annual Congr., 157–64.

—— Theories.

ACHELIS, J. D., HAEBERLIN, C. [et al.] Philosophische Grenzfragen der Medizin. 114p. 8° Lpz., 1930.

BAIN, A. Mind and body; the theories of their relation. 200p. 19½cm. N. Y., 1882.
Forms v.4, Internat. Sc. Ser.

BLEULER, E. Die Psychoide als Prinzip der organischen Entwicklung. 152p. 8° Berl., 1925.

CIAFARDO, R. La correlación PS; su crítica [Buenos Aires] 51p. 26½cm. La Plata, 1934.

Adler, A. Zum Leib-Seele-Problem. Internat. Zschr. Individpsychol., Wien, 1933, **11**: 337–45.—**Alberti, J. L.** Componentes orgánicos de nuestra vida psíquica; el cuerpo y el alma; el problema en su actualidad. Prensa méd. argent., 1936, **23**: 1529–46.—**Alverdes, F.** Zum Leib-Seele-Problem. Zool. Anz., 1943–44, **144**: 119.—**Austregésilo, A.** PS e existencialismo. Impr. méd., Rio, 1949–50, **25**: No. 429, 25.—**Baeyer, H.** Das Seele-Leib-Umwelt-Problem in der Lehre von der menschlichen Bewegung. Münch. med. Wschr., 1937, **84**: 133–5.—**Barker, R. G.** The somatopsychologic problem. Psychosomat. M., 1947, **9**: 192–6.—**Bleuler, E.** Psyche and psychoid; a scientific conception of the relations between psyche and body. Psychiat. Q., 1930, **4**: 35–48. ——— Mnemistische Biologie und Psychologie. Erg. ges. Med., 1936, **21**: 311–37. Also J. Nerv. Ment. Dis., 1938, **87**: 169–201.—**Boyajian, A.** The strange trinity called man. Sc. Month., 1946, **62**: 355–63.—**Buyse, O.** Le problème PP de l'apprentissage; conclusions. Rev. psychol., Brux., 1911, **4**: 51–5.—**Carrington, H.** The problem of the mind-body relation. J. Am. Soc. Psychic. Res., 1940, **34**: 117–24.—**Delay, J.** La doctrine PS. Presse méd., 1947, **55**: 833.—**Di Gaspero, H.** Ueber den Psyche-Körper-Zusammenhang. Zschr. ges. phys. Ther., 1927, **34**: 92–103.—**Drew, C. A.** Some facts and fancies about M & B. Boston M. & S. J., 1905, **153**: 67–74. Also Med. Communic. Massachusetts M. Soc., 1905, **20**: 1–26. Also N. England M. Month., 1905, **24**: 353–64.—**Erickson, R. W.** Isomorphism as a necessary concept. J. Gen. Psychol., 1942, **26**: 353–8.—**Fröschels.** Zur Leib-Seele-Frage (Psychogenie) Zschr. ges. Neur. Psychiat., 1935, **152**: 77–83.—**Hall, M.** On the influence of the mind on the body. In his Pract. Observ., Lond., 1846, 2. ser., 29–43.—**Hoff, F.** Einige Beiträge zum Leib-Seele-Problem. In his Med. Klin., Stuttg., 1948, 429–41.—**Hyslop, J. H.** Parallelism and materialism, or the relation between mental and physical phenomena. Proc. Am. Soc. Psychic Res., 1907, **1**: 169–220.—**Jelliffe, S. E.** General reflections on PS monism. N. York State J. M., 1939, **39**: 1017–21.—**Joad, C. E. M.** Free will in relation to the M & B problem. S. Thomas Hosp. Gaz., Lond., 1937–38, **36**: 359–70.—**Johnson, H. M.** Are PP problems genuine or spurious? Am. J. Psychol., 1945, **58**: 189–211.—**Karcher, H.** Leibseelenproblem und innere Medizin. Praxis, Bern, 1945, **34**: 505–8.—**Latta, R., Clouston, T.** [et al.] Discussion on the relation of mind to body. Rep. Brit. Ass. Advance. Sc. (1912) 1913, 646–8.—**Leibbrand, W.** Der Körper, ein Wagen der Seele. In his Göttl. Stab d. Aeskulap, Salzb., 1939, 63–81.—**Marquillas.** Nuevo reino natural; teorias del Sr. Salvañá. Bótica, Barcel., 1852–53, **1**: 359.—**Megay.** Einige Gedanken zum Leib-Seele-Problem. Krankenschwester, Wien, 1949, **2**: 161–4.—**Meyer, A.** Neue Gesichtspunkte zum Studium des Leib-Seeleproblems. Verhber. Kongr. Förd. med. Synthese (1934) 1935, 3. Congr., **2**: 74–90. —— Objective psychology or psychobiology with subordination of the medically useless contrast of mental and physical. Proc. Conf. Psychiat. Educ. (1936) 1938, 4. Conf., 307–13. Also in his Commonsense Psychiat., N. Y., 1948, 397–405.—**Munnynck, P. M. de.** L'énergétisme et le problème PP. Schweiz. med. Wschr., 1931, **61**: 321–3.—**Murphy, G.** Psychical research and the mind-body relation. J. Am. Soc. Psychic. Res., 1946, **40**: 189–207.—**Parcheminey, G.** L'âme et l'action, de Ch. Baudoin. Evolut. psychiat., Par., 1948, 143–6.—**Pavicić, A. F.** Une hypothése sur la possibilité des rapports de l'âme et du corps. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 306–10.—**Pavlov, I. P.** Reply of a physiologist to psychologists. In his Condit. Reflex. & Psychiat., N. Y., 1941, **2**: 117–45, 2 portr.—**Pearson, K.** On our present knowledge of the relationship of M & B. Ann. Eugen., Cambr., 1925–26, **1**: 382–406.—**Pötzl, O.** Bemerkungen zum Leib-Seele-Problem. Wien. med. Wschr., 1937, **87**: 11; 40.—**Sahli, H.** Ueber die Beziehungen des Geistes zum Körper; fällt das Geistige in den Bereich der Energetik? Schweiz. med. Wschr., 1931, **61**: 49; 76.—**Siebeck, R.** Bemerkungen zu den Ueberlegungen von Zutt. Klin. Wschr., 1940, **19**: 40.—**Smith, H. B.** The psychology of togetherness. Bull. John Rylands Libr., Manch., 1945–46, **29**: 359–68.—**Spranger, E.** Geist und Seele. Forsch. & Fortsch., 1936, **12**: 420–2.—**Sprockhoff, H.** Die Behandlung des Leib-Seele-Problems in der Schulmedizin der Gegenwart. Aerztl. Rdsch., 1936, **46**: 129–33.—**Velden, R. von den.** Correlación entre cuerpo y alma. Día méd., B. Air., 1941, **13**: 113–5.—**Wenzl, A.** Das Leib-Seeleproblem. Forsch. & Fortsch., 1936, **12**: 393.—**Zinovjev, P.** Psikhoida. In: Bolsh. med. encikl., 1933, **27**: 762.

—— in animals.

See also **Mind**—in animals.

ARNHOLD, S. Die psychophysische Struktur bei Hühnern verschiedener Rassen. p.1–91. 23cm. Lpz., 1938.
Zschr. psychol. Physiol. Sinnesorg., 1. Abt., 1938, **144**:

Bard, P. Central nervous mechanisms for emotional behavior patterns in animals. Proc. Ass. Res. Nerv. Ment. Dis. (1938) 1939, **19**: 190–218.—**Fuller, J. L.** Activity, heart rate and pneumograms of normal dogs during excitement. Anat. Rec., 1946, **96**: 590.—**Grant, R.** Emotional hypothermia in rabbits. Am. J. Physiol., 1950, **160**: 285–90.—**Schmid, B.** Der Werkzeuggerbrauch der Tiere, ein Ausdruck höchster Intelligenzleistung? Forsch. & Fortsch., 1936, **12**: 39.—**Yeakel, E. H., & Rhoades, R. P.** A comparison of the body and endocrine gland, adrenal, thyroid and pituitary, weights of emotional and non-emotional rats. Endocrinology, 1941, **28**: 337–40.

MINDARUS.

Nüsslin, O. Zur Biologie der Gattung Mindarus Koch. Biol. Zbl., 1910, **30**: 402; 440.

MIND blindness.

See **Agnosia; Alexia; Amnesia; Aphasia.**

MIND cure.

See also **Faith-cure.**

AUSTREGÉSILO, A. As forças curativas do espírito. 2. ed. p.5–119. 22cm. Rio, 1947.
In his Obras compl., Rio, 1947, **7**:

BOEHME, K. A. New thought healing made plain. 142p. 19½cm. Holyoke, 1919.

BUTLER, G. F. How the mind cures. 286p. 20cm. N. Y., 1921.

GAUBE, H. D. De regimine mentis orationes duo [1747] p.89–281. 25½cm. Amst., 1932.
Latin-German text. In: Opusc. selecta Neerl. de arte med., 1932, **11**:

NICHOLS, W. T. Mind cure; its truths and fallacies, from a common sense standpoint. 76p. 16° Chic., 1886.

TITCOMB, S. E. Mind-cure on a material basis. 288p. 8° Bost., 1885.

Cicognani, A. G. Spiritual ministrations and health service. Hosp. Progr., 1942, **23**: 65–7.—**Löwenfeld, L.** Behandlung durch Erregung von Affekten; Emotionstherapie. In his Lehrb. gesamt. Psychother., Wiesbad., 1897, 167–70.—**Maxfield, J. R.,** sr. How far can the mind heal the body? Dallas M. J., 1947, **33**: 145–7.—**Rose, J. A.** Democracy and the philosophy of will therapy. Psychoanal. Rev., 1942, **29**: 401–5.

MIND deafness.

See **Deafness,** Nerve and word.

MINDEN, Denbix Simeon, 1896– First aid and civilian defense manual. 256p. illust. 20½cm. N. Y., Books Inc., 1942.

MINDER, Arnold, –1924.
For obituary see Schweiz. Arch. Tierh., 1924, **66:** 498.

MINDER, Edda, 1896– *Zur Frage der paraplegischen Lähmung im Anschluss an Bauchaortenverschluss [München] 15p. 8° Geesthacht-Hamb., A. Flügge, 1930.

MINDER, Friedrich, 1864–1933?
For biography see in Dict. hist. biog. Suisse, Neuchâtel, 1928, **4:** 757.

MINDER, Gyula [MD. 1920, Budapest] Lehrbuch der Urologie. xii, 348p. illust. tab. diagr. 25cm. Bern, H. Huber, 1946.
Forms No. 4, Samml. med. Lehr- & Handb. Aerzte.

—— Leitfaden für prostatiker. ix, 68p. illust. 23cm. Stuttg., G. Thieme, 1950.

MINDER, Hans, 1913– *Histiochemische Untersuchungen über das Phänomen der Pigmentdunkelung. 18p. pl. 22½cm. Zür., Gebr. Leemann & Co., 1939.

MINDER, Julius.
See **Minder, Gyula.**

MINDER, Karl, 1884– *Die natürlichen Körperöffnungen des Wildschweines; Beitrag zur Anatomie von Sus scrofa L. p.217–57. 8° Zür., O. Füssli, 1930.
Also Arch. Julius Klaus Stift., 1930, **5:**

MINDER, Walter, 1905– Radiumdosimetrie [Wien, J. Springer, 1941] vii, 183p. illust. tab. diagr. 22½cm. Ann Arb., J. W. Edwards, 1945.

MINDERER, Johann Martin, –1812.
For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 293.

MINDERER, Raymond, 1571–1621.
Babonneix, L. A propos de l'esprit de Mindererus. Sem. hôp. Paris, 1937, **13:** 371–7, illust.

MINDERJAHN, Gerda, 1906– *Können im Hinblick auf die Therapie die bisher bekannten Systeme zur Diagnostik der Pulpaerkrankungen befriedigen? [Bonn] 31p. 21cm. Stolb. i. R., J. Kogel, 1936.

MINDES, Jonathan. Harnanalyse für Apotheker und Aerzte. viii, 189p. illust. tab. 18½cm. Lpz., F. Deuticke, 1912.

—— Lexique médico-pharmaceutique en quatre langues (allemand, anglais, français, latin) Ed. française. 162p. 17cm. Par., J. B. Baillière & fils, 1930.

—— [The same] Pharmazeutisches Kompendium für Apotheker, Aerzte und Drogisten. viii, 522p. illust. pl. 8° Wien, W. Maudrich, 1932.

MIND healing.

See **Mind cure.**

MINDLIN, Estela. Tratado de radiología y fisioterapia bucodental. 757p. illust. 27cm. B. Air., A. López, 1940. Also 2. ed. 757p. B. Air., Ed. Vázquez, 1945.

MINDLIN, Henrique Sam. *O liquido cephaloracheano na syphilis. 95p. 8° S. Paulo, Casa Duprat, 1931.

MINDLIN, S. S. Классификация, номенклатура сердечно-сосудистых заболеваний и трудоспособность. 84p. 21cm. Rostov n. D., 1934.

MINDLINE, Joseph.
See **Melton,** George Mindline Joseph.

MINDORO.

See also in Military Section under **World War II,** Mindoro.

Gardner, F. Mangyan customs. In his Philippine Indic Stud., S. Ant., 1943, 57–64.—**Miller, M. L.** The Mangyans of Mindoro. Philippine J. Sc., 1912, **7:** D, 135–56, 10 pl.—**Veith, I.** Health and disease among the Mangyans. Bull. Hist. M., 1945, **17:** 377–84.

MIND reading.

See also **Divination.**

Hovey, W. A. Mind-reading and beyond. 201p. 19cm. Bost., 1885.

Calligaris, G. Introduzione alla lettura del pensiero. Arch. gen. neur., Teramo, 1929, **10:** 48–64.—**Corson, E. R.** Professor James's Ingersoll lecture and his transmission theory of the brain. J. Am. Soc. Psychic. Res., 1940, **34:** 333–44.—**Ferrari, J. C.** De la devination de la pensée. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 132–6.—**Heuyer, G.** Le devinement de la pensée et contribution à l'étude de l'origine organique de l'automatisme mental. Ann. méd. psychol., Par., 1926, **84:** pt 2, 321; 406. ——— & **Lamache.** Le symptôme de devination de la pensée. C. rend. Congr. alién. neur. France, 1925, 29. Congr., 197–201.—**Hyslop, J. H.** A case of alleged mind reading. J. Am. Soc. Psychic. Res., 1919, **13:** B, 130–6.—**Richter, H. L. B.** Eine Untersuchung über die Isolierung des Bewußtseins; ein Beitrag zur experimentellen Erforschung der Frage der Gedankenübertragung. Arch. ges. Psychol., 1940, **107:** 182–222.

MINDT, Walter, & WEISS, Edmund. Grundlagen der Refraktionsbestimmung und Brillenanpassung. xvi, 368p. 8° Berl., W. Hanke, 1930.

MINDUS, Walter, 1908– *Erfahrungen bei der Behandlung von Schenkelhalsbrüchen [Frankfurt, a. M.] 24p. 8° Berl., Schröder, 1936.

MINE, Seii, 1885–1938.
For obituary see Jap. J. Derm. Urol., 1939, **45:** 72, portr.

MINE.

See also **Coal miner.**

—— Accidents and their prevention.

See also **Miner,** Accidents.

Korn, J. *Gefahrenbekämpfung und Unfallminderung in der Geschichte des Steinkohlenbergbaues unter besonderer Berücksichtigung des Saarbergbaues [Heidelberg] 47p. 22cm. Würzb., 1936.

Blascheck, A. Die hauptsächlichsten Unfälle im Steinkohlenbergbau und die Massnahmen zu deren Verhütung Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 535–41.—**Gross, N.** Mitwirkung der Arbeiter bei der Unfallverhütung im Bergbau. Arbeiterschutz, 1927, **3:** 68.—**Haide C.** Aus der Unfallverhütungsarbeit eines Hüttenwerkes. Ibid., 1934, 22–4.—**Maple, J. B.** Indiana coal mine accidents. J. Indiana M. Ass., 1942, **35:** 421–3.—**Nicoll, E. A.** Accidents in coal-mines. Lancet, Lond., 1943, **1:** 445.—**Schwantke.** Die Unfallverhütung in der Hüttenindustrie. Arbeitsschutz, 1939, 230–3. ——— Unfallverhütung in Hüttenwerken. Ibid. 1940, 42.—**Specht, W.** Ueber Brunnenunglücke und Vorschläge zu ihrer Vermeidung. Deut. Zschr. gerichtl. Med., 1936, **27:** 160–73.—**Transvaal** Chamber of Mines; Prevention of Accidents Committee. Indust. Safety Surv., Genève, 1948, **24:** 95–7.—**Vernon, H. M.** Coal-mining accidents. In his Accidents, Cambr., 1936, 297–321.

—— Climate.

See also **Miner,** Working conditions.

Vernon, H. M., & Bedford, T. The atmospheric conditions in pithead baths. 39p. 8° Lond., 1930.
Forms Rep. No. 60, Gt. Britain Indust. Health Res. Bd.

Bedford, T., & Warner, C. G. The reduction of mine air temperatures. J. Indust. Hyg., 1931, **13:** 135–9.—**Lawton, B. R.** The improvement of atmospheric conditions in hot underground workings. Annual Rep. Safety in Mines Res. Bd, Lond., 1933, **12:** 106; 1934, **13:** 119; 1935, **14:** 122.—**Noble, J. A.** Evidence for a steepening of geothermal gradients in some deep mines and drill holes. Am. J. Sc., 1948, **246:** 426–40.—**Whitehouse, A. G. R.** Mine temperatures; physiological investigations. Annual Rep. Safety in Mines Res. Bd, Lond., 1933, **12:** 107. ——— & **Hancock, W.** Mine temperatures; physiological investigations. Ibid., 1931, **10:** 77.

—— Conditions, and health survey.

See also other subheadings.

Rodríguez Campos, O. *Informe de las condiciones sanitarias del mineral de Las Esperanzas, Coahuila. 69p. 22cm. Méx., 1949.

Angeli, B. L'industria mineraria sarda; una visita a Monteponi. Gior. farm. chim., Tor., 1924, **73**: 81–6.—**Conditions** in British coal-mining industry. Month. Labor Rev., 1942, **55**: 941–51.—**Feil, A.** Conditions hygiéniques du travail dans les Ardoisières. Presse méd., 1935, **43**: 1641–3.—**Firmeza, H.** Condições de saúde nas minas de carvão. Hora méd., Rio, 1943, No. 64, 17–29.—**Forero B., P. E.** Minas de carbón de San Vicente (Cundinamarca) Rev. hig., Bogotá, 1938, **19**: No. 6, 4; No. 8, 4.—**Frew, Butt** [et al.] Health conditions on the Witwatersrand gold mines. Proc. Transvaal Mine M. Off. Ass., 1927–28, **7**: No. 8, 1–11.—**Health** survey at Vatukoula mine field. Annual M. Health Rep. Fiji, 1939, 42.—**López Saá, A.** Estudio de las condiciones biológicas, económicas y sociales del Campamento minero de Portovelo. Bol. Dep. méd. social, Quito, 1937, **1**: 4–9.—**Maerćk, V.** Južno-Enisejskie zolotye priiski; sanitarno-vraćebnyj očerk. Sibirsk. vrach, 1913–14, **1**; 400; 417.—**Payne, A. E., Pirow, H., & Roberts, F. G. A.** Historical review of mining conditions on the Witwatersrand and the changes which have taken place since the early days of the fields. Silicosis, Geneva, 1930, 107–28.

—— Drainage.

Colmer, A. R., & Hinkle, M. E. The role of mieroorganisms in acid mine drainage; a preliminary report. Science, 1947, **106**: 253–6.—**Haney, P. D.** Acid mine drainage. Activit. Bull. Ohio River Pollut. Surv., 1940, **2**: No. 5, 5.—**Schindler, J. H.** Study of the drainage problems of a certain mine. Abstr. Theses Univ. Pittsburgh, 1933, **9**: 487.

—— Dust, and its control.

See also **Dust.**

Bedford, T., & Warner, C. G. A physical study of the dust hazard in certain mines. p.5–68. 24cm. Lond., 1943.

Spec. Rep. Med. Res. Counc., Lond., 1943, No. 244.

Bruns, H., Ceelen, W., & Ehrismann, O. Ueber das Gesteinsstaubverfahren zur Bekämpfung von Kohlenstaubexplosionen vom hygienischen Standpunkt aus. p.509–58. 24½cm. Berl., 1939.

Arch. Gewerbepath., 1938–39, **9**:

Harrington, D., Forbes, J. J. V. [et al.] Allaying dust in bituminous-coal mines with water. 55p. 23cm. Wash., 1939.

Forms Techn. Paper 593, U. S. Bur. Mines.

Horstmann, H. *Zur Frage der Staubbestimmungen in Bergwerksbetrieben [Münster] 30p. 8° Bottrop i. W., 1934.

Barsotti, M. Maschere antipolvere per la protezione dei minatori. Atti Conv. silicosi, 1941, 221–7.—**Bedford, T., & Warner, C. G.** Experiments in dust reduction at the coalface by means of water. Spec. Rep. Ser. Med. Res. Counc., Lond., 1943, No. 244, 47–51.—**Boyd, J.** Methods for determining the dust in mine air, as practised on the Witwatersrand. Silicosis, Geneva, 1930, 141–50.—**Burdekin, J. T.** La mesure des poussières charbonneuses trouvés dans l'air des mines. Méd. usine, 1949, **11**: 550.—**Dills, C. C.** Study of dust conditions in the Tri-State mining district of Oklahoma, Kansas, and Missouri. Am. J. Pub. Health, 1941, **31**: 619–29.—**Dispersion** (The) of stone dusts by explosion blasts. Annual Rep. Safety in Mines Res. Bd Gr. Britain (1946) 1947, **25**: 11.—**Estimation** of the amounts and nature of dust on the floor and on the roof and sides on mine roadways. Ibid., (1947) 1949, **26**: 18–20.—**Feil, A.** La prophylaxie contre les poussières dans les mines. Presse méd., 1940, **48**: 443.—**Formation** and estimation of dilute dust clouds. Annual Rep. Safety in Mines Res. Bd Gr. Britain (1946) 1947, **25**: 15.—**Harrington, D.** The engineering-hygienic aspects of dust elimination in mines. J. Indust. Hyg., 1925–26, **7**: 199–214.—**Hay.** Le problème de la poussière dans les charbonnages britanniques. Méd. usine, 1949, **11**: 549.—**Jones, D.** The reduction of dust at the coal face. Indust. Hyg. Digest, 1943, **7**: No. 9, 28 (Abstr.) Also J. Indust. Hyg., 1943, **25**: Suppl., 162 (Abstr.)—**Landwehr, M.** Staubmessung und Staubbekämpfung im Bergbau. Umschau, 1941, **45**: 793–6.—**Laying** (The) of floor dust on mine roadways. Annual Rep. Safety in Mines (Gr. Britain) (1947) 1949, **26**: 16–8.—**Leclerq, J., & Marchand, M.** Influence de la ventilation sur la teneur en poussières de l'atmosphère des mines. Ann. méd. lég., Par., 1935, **15**: 75–7.—**McEwen, A. F., & Buist, J.** The nature and source of dust in mine air, together with a brief reference to those operations which produce dust. Silicosis, Geneva, 1930, 129–40.—**Montesano, G.** Ricerche sulla concentrazione e sulla dimenzione della polvere nella gallerie di una miniera. Med. lavoro, 1944, **35**: 32–42, 7 pl. ——— Esperimenti di aspirazione delle polveri dai fori da mina col metodo Bruck-Vigliani. Ibid., 1949, **40**: 251–3.—**Nakagomi, I.** Kinzokuzan ni okeru kō-nai zin-ai ni tuite [The dust problem in metal mines] Tōhoku igaku zassi, 1949, **41**: 190–6.—**Nelson, A.** Dust control in hard headings. Bull. Hyg., Lond., 1943, **18**: 734 (Abstr.)—**Rapid** methods for the examination of mine road dusts. Annual Rep. Safety in Mines Res. Bd Gr. Britain (1946) 1947, **25**: 13.—**Sayers, R. R.** Reaction to mixed dusts: atmospheric and clinical in hard coal mining. Sympos. Silicosis, 1939, 4. Sympos., 281–90. ——— Dust and gases found in coal mines. West Virginia M. J., 1941, **37**: 503–7.—**Second** report of the Coal Dust Research Committee, 1941; sprays. Bull. Hyg., Lond., 1941, **16**: 561–3.—**Tebbens, B. D.** Dust concentrations in Bolivia's mines. Q. Am. Indust. Hyg. Ass., 1947, **8**: 38–41.—**Vigliani, E. C., & Bruck, R.** La lotta contro le polveri nelle miniere; deserizione di un metodo di aspirazione della polvere attraverso il foro assiale del fioretto. Med. lavoro, 1944, **35**: 25–32, 2 pl.—**Warner, C. G.** Dust reduction at the coalface by means of water sprays. J. Indust. Hyg., 1943, **25**: 303–5.—**Watson, H. H.** Les variations de la poussière dans les mines au poste d'extraction du charbon. Méd. usine, 1949, **11**: 550.—**Windish, J. P.** Results of dust survey in Alberta coal mines. Indust. Health Rev., Ottawa, 1949, **1**: 17.

—— Explosion and fire.

See also **Explosion.**

Ash, S. H. Explosions in Washington coal mines. 52p. 21½cm. Wash., 1931.

Forms No. 507, Techn. Paper U. S. Bur. Mines.

Harrington, D. Coal-mine explosions and coal- and metal-mine fires in the United States during the fiscal year ended June 30, 1939. 21p. 4° Wash., 1939.

Forms Inform. Circ. No. 7092, U. S. Bur. Mines.

Pickard, B. O. Lessons from the fire in the Argonaut mine. 39p. 21½cm. Wash., 1926.

Forms No. 363, Techn. Paper U. S. Bur. Mines.

Coal dust explosions. Annual Rep. Safety in Mines Res. Bd Gr. Britain (1946) 1947, **25**: 5; (1947) 1949, **26**: 4.—**Enquête** sur l'explosion dans la houillère du Staffordshire. J. chim. méd., Par., 1867, 5. ser., **3**: 150–2.—**Guardascione, V.** Gli scoppi del grisou nelle solfatare siciliane. Rass. med. indust., 1941, **12**: 45 (Abstr.)—**Hodgson, L.** A letter written by D. Lucas Hodgson, physician at Newcastle, containing some observations made by him of a subterraneal fire in a coal-mine near that city. Philos. Tr., Lond., 1676–78, **11**:–**12**: 762–6.—**Scholer, A.** Keine Schlagwetterkatastrophen mehr! Umschau, 1926, **30**: 151–3. **Schultze-Rhonhof.** Grubenbrände; Versuche über Entstehung, Verhütung und Verlauf sowie Mittel zu ihre Bekämpfung. Ibid., 1943, **47**: 214–6.

—— First aid.

See also other subheadings.

Great Britain. Mines Department. First aid at mines. 2. ed. 20p. 8° Lond., 1935.

Forms: Safety Pamphlet No. 7.

Fisher, S. W. First aid in British mines. Kongrber. Internat. Kongr. Rettungswes. (1939) 1941, 5. Kongr., 247.—**Humphries, S. V.** Mining first aid. Proc. Transvaal Mine M. Off. Ass., 1945–46, **25**: 39–46.

—— Gases.

See also **Carbon dioxide; Carbon monoxide; Gas poisoning.**

Lürz, A. *Ueber Grubengas-Vergiftung. 34p. 8° Bonn, 1930.

Automatic gas detectors in mines. Brit. M. J., 1934, **2**: 149.—**Determination** of carbon dioxide in mine dusts. Analyst, Lond., 1944, **69**: 19.—**Herndon, R. F.** A clinical study of the effects of mine gases. J. Indust. Hyg., 1927, **9**: 402–20.—**Irvine, L. G.** Accidents from poisonous or asphyxiating gases in mines. Med. J. S. Africa, 1915, **11**: 17–35.—**Kava erov, I. N.** Ob oksisi ugleroda v rudniénom vozdukhe i nekotorykh sposobakh opredeleniia eia. Vest. obsheh. hig., 1912, **48**: 1735–66.—**Mecatunian, A.** [Investigation of the air in mines in relation to industrial poisoning] Hig. & san., Moskva, 1939, **4**: No. 12, 59–61.—**Mine** gases. Annual Rep. Safety in Mines (Gr. Britain) (1947) 1949, **26**: 29.

—— Hazards.

See also other subheadings (Safety; Sanitation)

United States. Children's Bureau. Bureau publication No. 275: Occupational hazards to young workers, Report No. 3: The coal-mining industry. 55p. 23½cm. Wash., 1942.

Boyd, J. L. Some dermatological hazards in the mining industry. Med. Press, Lond., 1949, **221**: 569–73.—**Bruce, T.** Bergbau. In his Sillkose [etc.] Stockh., 1942, 147–78.—**Fisher, S. W.** Health hazards of coal-mining. Brit. J. Indust. M., 1944, **1**: 153–8.—**Health** hazards in mines, 17th century [Illust.]

In: Civiliz. & Disease (Sigerist, H. E.) Ithaca, 1943, opp. p.44.—**Keatinge, G. F.** The hazards of coal mining. In: Pract. Indust. M. (Davies, T. A. L.) Lond., 1948, 200–12.—**Lőrincz, F.** A féregnek a külvilágban lejátszódó fejlődése; a talaj fertőzöttségére, valamint annak fertőtlenitésére vonatkozó vizsgálatok a brennbergi bányában. In his Ancylost. kérdés. mai állása Magyarorsz., Pécs, 1935, 17–28, illust.—**Riddell, A. R.** Ontario gold mining. Sympos. Silicosis, 1939, 4. Sympos., 241–9.—**Späh, K.** Die Gefahren der Motorisierung in den Untertagebetrieben der Zechen und ihre Beseitigung durch die Verwendung von Grubenpferden. Münch. tierärztl. Wschr., 1931, **82:** 306.—**Urban, E. C. J.** The granite cutting and finishing industry in Vermont. Sympos. Silicosis, 1939, 4. Sympos., 200–6.

—— Illumination.

Comité d'études sur l'éclairage des mines; rapport du Secrétariat, Comité britannique. C. rend. Com. internat. éclair., 1935, 9. sess., 575–95.—**Egeler, C. E.** Illumination of mines and mining operations. Tr. Illum. Engin. Soc., 1938, **33:** 439–64.—**Mine** lighting. Annual Rep. Safety in Mines Res. Bd Gr. Britain (1946) 1947, **25:** 22; (1947) 1949, **26:** 83.—**Owings, C. W.** Some mine-lighting practices in the United States. Tr. Illum. Engin. Soc., 1934, **29:** 47–64.—**Réunion** du Comité de l'éclairage des mines. C. rend. Com. internat. éclair., 1935, 9. sess., 130–3.

—— Inspection.

Curtius. Die gesundheitliche Beaufsichtigung der Bergwerksbetriebe durch die Kreisärzte. Zschr. Medbeamte, 1908, **21:** 457–76.—**Germany:** decree of the 27th of August, 1941, concerning medical inspection in mines. Bull. Hyg., Lond., 1942, **17:** 516 (Abstr.)—**Hatos, G.** Eszrevételek a bánya- és gyárvizsgálatokról. Népegészségügy, 1949, **30:** 168.

—— Laws and regulations.

Marchese, E. La legge sulle miniere in Sardegna. 31p. 21cm. Genova, 1869.

[Belgium] Arrêté du Régent portant règlement général des mesures d'hygiène et de santé des travailleurs dans les mines, minières et carrières souterraines. Bull. san. pub., Brux., 1947, **9:** 220–51.—**Belgium.** Arrêté ministeriel pris en exécution de l'article 4 de l'arrêté royal du 9 aout sur l'éclairage des mines par lampes à flamme, modifié par l'arrêté royal du 14 mai 1937. Bull. Min. san. pub., Brux., 1938, **3:** 66–70, pl.—**Keresztes, L.** Gondolatok az új bányaegészségügyi törvény elé. Orvosok lap., 1947, **3:** 29.—**Medical** bills in congress; coal mines, health and safety conditions. J. Am. M. Ass., 1941, **116:** 1010.—**Miners'** rights. Med. Press & Circ., Lond., 1942, **208:** 373.—**Regulations** concerning health and safety in underground work in mines, dated 29 May 1947. Indust. Safety Surv., Montreal, 1947, **23:** 139.—**Sayers, R. R.** Some comments on the new federal coal mine inspection act. Proc. Indust. Hyg. Found. America, 1941, 6. meet., 104–7.—**Vorschriften,** betreffend die Einrichtung und den Betrieb von Blei- und Zinkhütten. Oesterr. San. Wes., 1908, **20:** 397.

—— Medical service.

See also **Miner.**

Gulik, P. J. v. *De medisch-hygiënische dienst der Mijnbouw Maatschappij Redjang-Lebong gedurende het tijdvak 1925 tot en met 1929 [Amsterdam] 100p. 8° Amst., 1930.

Michot, R. *L'organisation médical dans les houillères du Nord et du Pas-de-Calais. 112p. 24cm. Lille, 1942.

Van Riel, J. Le Service médical de la Compagnie minière des Grands lacs africains et la situation sanitaire de la main-d'oeuvre. 58p. 25cm. Brux., 1939.

Forms Pt 2, **v.9,** Mém. Sect. sc. nat. Inst. col. belge (Collect. 8°)

Agarev, I. Otčet o postanovke medicinskoj pomošči na zolotykh priiskakh Mariinskago gornago okruga Tomskoj gubernii za 1905 god. Sibirsk. vrach. vedom., 1906, **4:** 41; 60.—**Capel, E. H.** A medical service for the coal mining industry. J. R. San. Inst., 1948, **68:** 525–31.—**Carrois, J.** Modernisation de la médecine des mines. Concours méd., 1947, **69:** 562.—**Daco.** Situation sanitaire et organisation du service medical aux mines de Kilo Moto. Bruxelles méd., 1926–27, **7:** 273–90.—**Daubenton, F.** Training and specialisation of mine medical officers. Proc. Transvaal Mine M. Off. Ass., 1935–36, **15:** 75–82.—**Dubrov, J. G.** [L'organisation du secours traumatologique dans une région minière] Ortop. travmat., Kharkov, 1937, **11:** No. 5, 104–18.—**Griffiths, J.** Mines Medical Service. Brit. M. J., 1943, **1:** 148.—**Keatinge, G. F.** A colliery medical service in practice. Brit. J. Phys. M., 1946, **9:** 12–8.—**Littlewood, S.** Drugs for accidents in mines. Ibid., 1943, **6:** 60.—**McBride, H.** Development of medicine and nursing service; in a silver-lead ore-producing mine. Indust. Nurs., 1946, **5:** No. 8, 9–14.—**Medical** services for miners; committee's report. Brit. M. J., 1942, **2:** 470.—**Mengel, S. P.** Some medical and surgical problems and their solution; from the point of view of the mining surgeon. Pennsylvania M. J., 1918, **21:** 347–52.—**Mines** (The) Medical Service. Lancet, Lond., 1943, **2:** 267.—**Moore, K. R.** The medical supervision of employees in the metal-mining industry of Western Australia. Rep. Fed. Health Counc. Australia, 1936, **10:** 16–20.—**Orenstein, A. J.** A note on the medical and hygienic organization of the Rand Mines, Ltd., Transvaal, South Africa. Arch. Schiffs Tropenhyg., 1925, **29:** Beih. 1, 268–73.—**Réforme** (La) récente de la médecine des mines. Concours méd., 1947, **69:** 207–9.

—— Safety.

Currie, R. D. Coal-mine safety organizations in Alabama. 48p. 21½cm. Wash., 1931.

Forms No. 489, Techn. Paper U. S. Bur. Mines.

Great Britain. Safety in Mines Research Board. Annual report. Lond., No. 8 (1929) 1930–

Seip, R. H. Eye protection experience in mining operations. 11p. 23cm. N. Y., 1941.

Forms No. 355, Pub. Nat. Soc. Prevent. Blind. Also in Sightsav. Rev., 1941, **11:** No. 2.

Cole, G. E. Health and safety in the Manitoba mining industry. Occup. Hazards, Pittsb., 1943–44, **6:** No. 9, 12–5.—**Currie, R. D.** Electric blasting underground (in coal mines) Tr. Nat. Safety Counc., 1942, 31. Congr., **1:** 462–70.—**Harrington, D.** Safety in mining. Mineral Yearb., 1934, 1097–114. ——— Safety in the mining and allied industries. Safety Bull., 1936, **1:** No. 3, 3. ——— Health and safety activities of the Federal Bureau of Mines. J. Am. M. Ass., 1939, **112:** 641.—**Hartley, H.** Safety in Mines Research Board annual report. Nature, Lond., 1943, **151:** 284.—**Health** and safety recommendations of New South Wales Coal Commission. Month. Labor Rev., 1940, **50:** 910.—**Kenwood, H.** The sanitation of mines in respect to human dejecta. J. R. Inst. Pub. Health, 1910, **18:** 257–67.—**Safety** and health requirements for mining in Peru, 1943. Month. Labor Rev., 1944, **58:** 100.—**Sayers, R. R.** Making the mine a safe place to work. Nation's Health, Chic., 1925, **7:** 161; 215.—**Shufflebotham, F.** The sanitation of mines. Lancet, Lond., 1908, **2:** 933–5.—**Taylor, M. G.** Health and safety below the earth's surface. Trained Nurse, 1937, **99:** 143–7.—**Tillson, B. F.** The underground worker's safety. Nat. Safety News, 1926, **13:** No. 2, 9–12.—**Vaage, D.** The experimental mine in Gelsenkirchen; its installation and work. Indust. Safety Surv., Genève, 1930, **6:** 123–8. ——— Experimental stations, their development, installations and work for accident prevention in coal mining. Ibid., 93–102.—**Watanabe, K.** Anzenbōsi ni yori saigai wo bōsi-si etaru ziturei ni tuite [Actual cases of the prevention of accidents by the use of safety caps (in mining operations)] Jap. J. Sc. Labor, 1938, **15:** 327–31.

—— Safety device.

United States. Bureau of Mines. Safety rules for installing and using electrical equipment in coal mines. 21p. 23cm. Wash., 1926.

Daveler, E. V., & Renz, R. E. Storage battery locomotives in metal mines. Proc. Nat. Safety Counc., 1921, **10:** 400–4.—**Flameproof** electrical equipment. Annual Rep. Safety in Mines Res. Bd, Gr. Britain (1946) 1947, **25:** 20 (1947) 1949, **26:** 24.—**N., W.** Two important safety devices for mines. Ciba Sympos., 1941–42, **3:** 1048, portr.—**Whiteside, F. W.** Advantages of trolley locomotives for underground haulage from a safety standpoint. Proc. Nat. Safety Counc., 1921, **10:** 404–6.

—— Sanitation, and hygiene.

Rand Mines, Transvaal. Superintendent of sanitation. Annual report of the department. Johannesburg, 1915–16; 1918; 1930–

Arnoldi, I. A. Sanitarnoe sostojanie šakht Kuzbassa i meroprijatija po ozdorovleniju truda gornjakov. Hig' & san., Moskva, 1945, **10:** No. 7, 26–30.—**Bard, L.** Higiene en las minas. Prensa méd., La Paz, 1947, **7:** 8–10.—**Bezbokaja, M. J.** Sanitarnyja meroprijatija na rudnikakh pri borbe s epidemijami voobšče i s kholeroj v časnosti. Russ. vrach, 1910, **9:** 844.—**Birks, M.** Health conditions at Broken Hill mines. J. State M., Lond., 1921, **39:** 121–5.—**Brooks, N. P.** Mine sanitation. Month. Cyclop., Phila., 1913, **6:** 203–16.—**Foulon, A.** Fortschritte im Arbeitsschutzwesen, besonders in der Grubensicherheit. Zschr. Gewerbehyg., 1936, **43:** 167–72.—**Frey.** Neuere Fortschritte in der Hygiene des Hüttenwesens und Bergbaus in Deutschland. Vjschr. gerichtl. Med., 1912, 3. F., **43:** 1. Suppl. H., 113–41.—**Galambos, J.** A Nagybánya-vidéki ércbányák és kohóüzemek egészségügyi helyzete. Népegészségügy, 1944, **25:** 489–95.—**Gardner, L. U.** Air hygiene in the mining industry. Rep. Saranac Laborat. Tuberc., 1939, 34–6.—**Hernández Pacheco, D.** La sanidad minera en los Estados Unidos; aportaciones preliminares para su organización en España. Bol. técn. Dir. gen. san., Madr., 1930, **5:** 803–9.—**Hölzl, H.** Hygienische Luftuntersuchungen in Luftschutz- und Bergwerksstollen; ein Beitrag zur Frage der Erträglichkeit für den Aufenthalt des Menschen. Zschr. phys. Ther., Wien,

1948, 1: 113–20.—**Jagot.** Rapport sur l'hygiène intérieure des usines annexes des mines d'or de La Bellière. Arch. méd. Angers, 1906, 10: 365–75.—**Moreau, L.** L'hygiène au Transvaal; mines d'or et de diamants. Ann. hyg., Par., 1914, 4. ser., 21: 350–61.—**Nikolsky, D.** K sanitarnomu izsledovaniju šakht. Russ. vrach, 1912, 11: 1151.—**Ohnisi, S.** Kinzoku kōzan ni okeru kō-nai kūki oyobi inryōsui ni tuite [On the conditions of air and drinking water in the pits of metal mines] Zyūzenkai zassi, 1918, 23: No. 5, 1–8, tab. ——— Kōzan eisei ni kansuru kenkyū; iwayuru kōgyō-zin ni tuite [Studies on mining sanitation; so-called mining dust] Ibid., 1923, 28: 483–99.—**Opitz, K.** Die Entwicklung der Gesundheitsverhältnisse in Thomasschlackenmühlen. Vjschr. gerichtl. Med., 1918, 3. F., 57: 71–83.—**Phoenix, W.** Mining hygiene. Health, Melbourne, 1926, 4: 114–21.—**Shufflebotham, F.** The sanitation of mines. J. R. Inst. Pub. Health, 1908, 16: 675–82.—**Somfai, J.** Bányaegészségügy. Népegészségügy, 1948, 29: 72–5.—**White, J. H.** Sanitation as a safety factor in mining. Proc. Nat. Safety Counc., 1915, 4: 229–36.—**Zinbo, T.** Akita-ken kōzan eisei ni tuite [Hygiene in the mines of Akita prefecture] Mitt. Jap. Ges. Gyn., 1943, 38: 523.

—— Ventilation.

HARRINGTON, D. Underground ventilation at Butte. 131p. 8° Wash., 1923.
Forms Bull. No. 294, U. S. Bur. Mines.

MCELROY, G. E. Natural ventilation of Michigan copper mines. 40p. 23cm. Wash., 1932.
Forms No. 516, Techn. Paper U. S. Bur. Mines.

UNITED STATES. FEDERAL BOARD FOR VOCATIONAL EDUCATION. Coal-mine ventilation. 62p. 8° Wash., 1920.
Forms Bull. No. 41.

Beattie, H. L. Economical mine ventilation at a western Pennsylvania coal mine. Abstr. Theses Univ. Pittsburgh, 1933, 9: 469.—**Harrington, D.** Ventilation studies in metal mines. Tr. Am. Soc. Heat. Ventil. Engin., 1921, 27: 337–51.—**Leclercq, J., & Marchand, M.** Influence de la ventilation sur la teneur en poussières de l'atmosphère des mines. Méd. travail, 1934, 6: 254–6.—**Watermeyer, G. A., & Rees, J. P.** The general question of mine ventilation and air renewal, including references to the heat and humidity problems. Silicosis, Geneva, 1930, 172–7.

MINE (military)

See also this heading in the Military Section.

Albicky, B. A. [On closed fractures of the foot caused by a mine explosion] Khirurgia, Moskva, 1945, No. 6, 68–73.—**Arnulf, G., Boquet & de Tayrac.** A propos des traumatismes fermés du pied par mine. Mém. Acad. chir., Par., 1946, 72: 145.—**Barbieri, A.** Fratture da scoppio di mina. Q. radiol., Belluno, 1947, 11: 24–7, 4 pl.—**Bolot.** Des blessures par explosions de mines; observées au cours des campagnes de Tunisie et des Vosges. Mém. Acad. chir., Par., 1947, 73: 133–6.—**Delvoye.** Traumatismes fermés du pied par mine. Ibid., 1945, 71: 314.—**Fabre.** Les blessures par mines; plaies pénétrantes et lésions par souffle. Progr. méd., Par., 1947, 75: 148–53.—**Greene, J. M.** Report of a case of land-mine wound. Q. Bull. Northwest. Univ. M. School, 1947, 21: 58.—**Heraud.** Note sur les blessures par mines terrestres. Mém. Acad. chir., Par., 1945, 71: 312–4.—**Jackson, O. J. V.** Fractures and other injuries produced by sea mines. Bull. Postgrad. Com. Med. Univ. Sydney, 1945–46, 1: No. 2, 1–7.—**Kraus, J. H.** Why an acoustic mine explodes; this is how you can make a working model. Science News Lett., 1941, 40: 296.—**Serkin, A. V.** Otravlenie gazami ot vzryva miny s posledujuščim razstrojstvom pamjati. Voen. med. J., S. Peterb., 1914, 240: Med. spec. pt, 475–80.

MINE detector.

Bradbury, R. H. Clinical application of mine detector. North Am. Vet., 1947, 28: 661–3.—**Peuchot.** Protection des pionniers et artificiers en opération de déminage. Rev. méd. nav., Par., 1947, 2: 177.

MINEGISI, Tetunari. Izamin-ao no sironezumi gansyu ni oyobosu sayō ni tuite. p.593–669. pl. tab. ch. 25½cm. Tōkyō, 1937.
In: Keio igaku, 1937, 17:

MINEHART, John Roy, 1878–1932.
For obituary see Tr. Am. Ther. Soc., 1934, 33: 14.

MINELLA, Pierre, 1915– *Contribution à l'étude des fractures de la tubérosité antérieure du tibia. 59p. 24cm. Nancy, Impr. nancéienne, 1943.

MINER, Charles Howard, 1868–
For biography see in Hist. Class 1893 Dep. Med. Univ. Pennsylvania (Forst, J. R.) Phila., 1913, 178.
For portrait see Collection in Library.

MINER, Donald, 1884–1942.
For obituary see J. Am. M. Ass., 1942, 120: 467.

MINER, Elmer Andrew, 1870– Living the liver diet. 106p. 8° S. Louis, C. V. Mosby Co., 1931.

MINER, Erwin, 1909– *Ueber Milchzahnpersistenz [Münster] 39p. 8° Werne-Lippe, F. Grube, 1933.

MINER, Frederick Bingham, 1876–1945.
For obituary see J. Am. M. Ass., 1945, 128: 683.

MINER, James Burt, 1873–1943.
Translator of **Piéron, H.** The principles of experimental psychology. 190p. 8° Lond., 1929.
For obituary see Psychol. Rev., 1943, 50: 632–4 (White, M. M.)

MINER, John Rice, 1892– Suicide and its relation to climatic and other factors. iii, 140p. tab. ch. 26cm. Balt., 1922.
Forms No. 2, Monogr. Ser. Am. J. Hyg.
See **Pearl, R., & Miner, J. R.** Life tables for the pecan-nut case bearer, Acrobasis caryae grote. p.169–84. 8° Brux, 1936.

MINER, Julius Francis, 1823–1886.
For biography see in: Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, 2: 174. (Brush, E. N.) Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 795.
For portrait see Collection in Library.

MINER, Leroy Matthew Simpson, 1882– The new dentistry; a phase of preventive medicine; six Lowell lectures. 219p. 8° Cambr., Harvard Univ. Pr., 1933.

—— Why the teeth? vi, 71p. illust. pl. 16° N. Y., Funk & Wagnalls, 1937.

See also **O'Rourke, J. T., & Miner, L. M. S.** Dental education in the United States. 367p. 23cm. Phila., 1941.
For portrait see Harvard Dent. Alumni Bull., 1942–43, 3: opp. p. 43.

MINER, Maude Emma, 1880– Slavery of prostitution; a plea for emancipation. xi, 308p. 20cm. N. Y., Macmillan Co., 1916.

MINER, Neil Alden, 1898–1947.
For obituary see Proc. Iowa Acad. Sc., 1948, 55: 42, portr.

MINER, Stanley G., 1861–1942.
For obituary see Detroit M. News, 1941–42, 33: No. 46, 7, portr. Also J. Am. M. Ass., 1942, 119: 1521.

MINER, Thomas, 1777–1841.
Hallock, F. K. Thomas Miner, M. D., of Middletown; an early Connecticut physician of exceptional culture. Yale J. Biol., 1935–36, 8: 337–52, portr.—**Steiner, W. R.** [Biography] In: Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, 2: 175. Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 796.

MINER, Walter N., 1872–1948.
For obituary see Canad. M. Ass. J., 1948, 59: 297.

MINER, Worthington Warner, 1847–1920. A ramble 'round the Hub; an illustrated booklet presented as a souvenir of the Boston meeting of the American Medical Association. 24p. illust. 26½cm. Bost., n. p., 1906.

MINER.

See also **Mine.**

Irvine, L. G., & Macaulay, D. The life-history of the native mine labourer in the Transvaal. J. Hyg., Lond., 1906, 6: 149–74.—**Joseph, F.** The British miner. Britain Today, Lond., 1941, No. 61, 12–6, pl.—**Lescohier, D. D.** The risks of the ore-diggers. Survey, N. Y., 1911, 26: 514; passim.—**Lisser, I. L.** Gornorabočie na železnykh rudnikakh Krivorožskago rajona. J. Obshch. russ. vrach. pam. Pirogova, 1907, 13: 743–68.

—— Accidents.

See also subheading (Injury)

SALMADE. Instruction sur le caractère des accidens auxquels les ouvriers mineurs sont exposés, et sur la nature des secours qui doivent leur être administrés lorsque ces accidens ont lieu. 48p. 8° Par., 1813.

Accidental deaths in coal mines [1940] J. Am. M. Ass., 1941, 116: 1467.—**Creyghton, J.** Herstel der validiteit na ongeval in de nederlandse mijnen. Ned. tschr. geneesk., 1947, 91: 2471–6.—**Dervieux, F.** Etude médico-légale de la catastrophe de

Courrières d'après des documents recueillis sur place. Ann. hyg., Par., 1906, 4. ser., 6: 385; 519.—**Ebel.** Die vorläufige Nachweisung der Unfälle im prcussischen Bergbau im Jahre 1926. Arbeiterschutz, 1927, 3: 89–92.—**MacDonald, H. K., & Rankin, W. D.** The Moose River mine accident. Canad. M. Ass. J., 1936, 35: 143–8.—**MacDonald, I.** The effects of privation in the Moose River mine disaster. Ibid., 149–52.—**Schwarzacher, W.** Gerichtlich-medizinische Beobachtungen bei dem Grubenunglück im Kaliwerk Buggingen. In: Festschr. H. Zangger, Zür., 1935, 1: 109–20.—**Weischer, A.** Bericht über die bei der Grubenkatastrophe der Zeche Radbod am 12. Nov. 1908 verunglückten Bergleute, die im katholischen Krankenhause zu Hamm behandelt wurden. Aerztl. Sachverst. Ztg, 1910, 16: 195–9.

—— Anthropology.

Ohtuka, T. Naiti-zin, Tyōsen-zin tankō rōmu-sya no sintai-teki seisin-teki seinō ni tuite no kansatu [Observations on physical and mental ability of the Japanese and Korean workers in coal-mines] p.271–350. 24½cm. Sapporo, 1941.

In: Hokkaidō igaku zassi, 1941, 19:

Allen, F. J. Remarks on the physique of colliery natives, the nature of their work and its effect on health, with special reference to the suggested lowering of physical standard. Proc. Transvaal Mine M. Off. Ass., 1935–36, 15: 1–5.—**Sirai, I., & Andō, T.** Mansyū tankō rōdō-sya no taisei no tokuisei to sono tekisei ni tuite [The physical characteristics of the coal-miners in Manchukuo and their distribution according to ability] Kōsei kagaku, 1942, 3: 241–64.—**Takeya, S.** Der Körperbau der chinesischen Bergwerksleute. J. Orient. M., Dairen, 1937, 26: 11.

—— Community affairs and housing.

Oehme, A. H. H. E. *Die Arbeitersiedlungen der Braunkohlenwerke Borna und Umgebung. 23p. 8° Borna-Lpz., 1935.

Bogomolov, A. K. [Sanitary investigation of the dwellings of the miners of the Mariin system of mines] Sibirsk. vrach, 1913–14, 1: 663–8.—**Eddey, L. G.** An example of effective disease control in a tropical mining community. Brit. Guiana M. Annual, 1947, 28: 162–81, tab. 2 ch.—**Goldsmith, A. W.** Washing facilities in native compounds of the Witwatersrand mines. Proc. Transvaal Mine M. Off. Ass., 1941, 22: 59–64.—**Halliday, J. L.** The mining community as a sick society. In his Psychosocial Med., N. Y., 1948, 184–95.—**Kemp, F. H., & Wilson, D. C.** Social ecology of the Radstock coalfield. Lancet, Lond., 1946, 1: 172.—**Ljaščenko, I. I.** K voprosu o žiliščakh rabočikh na gorno-promyślennykh predprijatijakh Doneckago bassejna. Obshch. vrach, 1911, 2: No. 9, 86–96.—**Masters, W. E.** A model mining village in the tropics. J. Trop. M. Hyg., Lond., 1919, 22: 89–93.—**Powers, E.** Reminiscences of 25 years medical service in an American owned mining camp in Korea. Bull. Anderson Co. Hosp., 1940–41, 2: No. 11, 12–4.—**Prikhodko, P. T.** Aktualnye zadači sanitarno-bytovogo obsluživanija gornorabočikh Kuzbasa. Hig. & san., Moskva, 1947, 12: No. 8, 20–6.—**Toriyama, T.** Mitui Miike no Ryoku-ga-oka zyūtaku [The residences of the coalmine at Miike (Miike Mine) owned by the Mitui Company (from the standpoint of hygienic living conditions)] Kenkō hoken, 1950, 4: 19.—**Vibal, A. P.** The camp physician, his duties and responsibilities. J. Philippine Islands M. Ass., 1937, 17: 687–91.

—— disabled.

See also other subheadings (Accidents; Injury; Rehabilitation)

Ascher, L. Invalidität der Bergarbeiter und Verstäubung in feuchter Luft. Hyg. Rdsch., 1908, 18: 821. —— Zur Frage der Invalidität der Bergarbeiter. Ibid., 1909, 19: 1105–10.—**Halliday, J. L.** Dangerous occupation, psychosomatic illness and morale; a study based on the investigation of incapacitation disorders in underground miners. Psychosomat. M., 1943, 5: 71–84.—**Niewöhner, H.** Der Altersknick in der Industriebevölkerung Recklinghausens. Arch. Hyg., Münch., 1939, 122: 1–19.—**Sheen, A. W.** The return to work of the injured colliery workman. Brit., M. J., 1938, 1: Suppl., 154.—**Treasure, J. A. P.** A study of the efficiency of groups of ex-miners disabled by pneumoconiosis employed in light industries in South Wales. Brit. J Social M., 1949. 3: 127–38.

—— Disease.

See also **Ancylostomiasis; Miners' nystagmus,** and similar terms.

Forman, J. *The incidence in miners of positive complement fixation tests for tuberculosis, gonorrhea, and syphilis. 31p. 8° Butte, 1936.

Aubin, E. D. Miner's complaints. N. Zealand M. J., 1907, 5: 35.—**Bernstein, R. E.** Industrial disease affecting the Bantu on the Witwatersrand gold mines. Leech, Johannesb., 1939, 10: No. 2, 34–41.—**Biondi, C.** Le malattie del lavoro negli operai delle miniere bergamasche. Ramazzini, 1908, 2: 281–95.—**Bologna, R.** Sulla malattia delle mine o poian. Rass. med. indust., 1947, 16: 200–2.—**Bottomley, W. F. S.** Notes on miners' disease at Bendigo. Intercolon. M. J. Australasia, 1906, 11: 85–9.—**Brockbank, E. M.** Miner's cramp Brit. M. J., 1929, 1: 65.—**Calderón, H.** Estudios sobre la granja de recuperación. Protec. soc., La Paz, 1945, 8: No. 89, 11–4.—**Cavagliano, B.** Sul poian o malattia delle mine. Med. lavoro, 1932, 23: 325–38.—**Coleman, J. W.** Some pathological conditions to which the miner is peculiarly liable. Tr. Arizona M. Ass., 1901, 75–83.—**Dickson, D. E.** The morbid miner. Edinburgh M. J., 1936, 43: 696–705.—**Dowling, G. B., & Brain, R. T.** Epidemic of obscure aetiology occurring in a coal mine in Kent. Proc. Roy. Soc. M., Lond., 1934, 27: 813–5.—**Feil, A.** Quelques manifestations pathologiques professionnelles observées chez les ardoisiers. Progr. méd., Par., 1935, 1869–73.—**Freise, F. W.** Berufskrankheiten von Manganerz-Bergleuten und Verladern; Beobachtungen aus brasilianischen Betrieben. Arch. Gewerbepath., 1932, 4: 1–13.—**Granati, A., & Mancini, F.** Osservazioni sugli edemi da fame comparsi negli operai delle miniere di ferro dell'isola d'Elba. Boll. Soc. ital. biol. sper., 1945, 20: 344–6.—**Green, Grieve** [et al.] Dysentery and colitis amongst mine natives. Proc. Transvaal Mine M. Off. Ass., 1928–29, 8: No. 94, 1–10.—**Hütter, C.** Berg- und Hüttenarbeiter Erkrankungen. Schwester, 1921, 4: 186–9.—**Iwamoto, T., Yasima, M., & Maeta, T.** Zyōban tankō akamari ni tuite bo zikken-teki kenkyū [Experimental studies on akamari (a special fever developing among miners) in the Zyōban coal mine] Tōhoku igaku zassi, 1949, 41: 94–7.—**Karp, M.** [Gastroconiosis in miners] Bratisl. lek. listy, 1938, 18: 68–72.—**Lastres, J. B.** Trastornos nerviosos, producidos en el laboreo de las minas; paginas de la vida medica de la colonia. Rev. méd. peru., 1937, 9: 332–9.—**Lazarus, J.** Minenkrankheit. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, 9: 700–18.—**Legrand.** A propos du dépistage de la syphilis dans une collectivité ouvrière. Arch. Inst. prophyl., Par., 1931, 3: 375–8.—**Lynott, W. A.** Bureau of Mines' studies of occupational diseases. J. Indust. Chem., 1916, 8: 1062–4.—**Martin, E., & Roche, L.** Résultats d'une enquête effectuée sur des mineurs au rocher du bassin de la Loire. Arch. mal. profess., Par., 1944–45, 6: 67–9.—**Nakamura, T., Kikuti, S.** [et al.] Tankō rōmusya no sikkan toku-ni hinpatu sikkan to tokui sikkan [Studies on diseases of coal-miners, especially discases of frequent occurrence and diseases of a peculiar nature] Tōhoku igaku zassi, 1949, 41: 98–112.—**Nemocnost** horníků a lékařů. Věst. česk. lék., 1949, 61: 132.—**Orosco, G.** Historia del mal de minas en Bolivia. Sem. méd., B. Air., 1931, 38: Pt 1, 601–21.—**Ottley, J.** A short account of the diseases which appear to be prevalent in the Puruni district and particularly at the Peters' mine. Brit. Guiana M. Annual (1908) 1909, 16: 103–10.—**Post, F.** A study of psychiatric illness in coal miners. J. Ment. Sc., Lond., 1946, 92: 574–84.—**Rabinowitz.** Sweating disease. Proc. Transvaal Mine M. Off. Ass., 1944–45, 24: 49.—**Roberto, F. F.** Informe presentado al sindicato de Muzo por la misión encargada de estudiar la epidemia de fiebres observada en la mina en los meses de marzo y abril de 1907, Rev. méd. Bogotá, 1907, 28: 93–105.—**Russell, A. E.** On the incidence of certain diseases amongst the Transvaal gold miners. S. Thomas Hosp. Gaz., Lond., 1914, 24: 54–64.—**Seeberg, G.** Fall zur Diagnose. Acta derm. vener., Stockh., 1942–43, 23: 78.—**Snell, S.** Presidential address; delivered at the seventy-sixth annual meeting of the British Medical Association. Brit. M. J., 1908, 2: 241–7, ch. Also Lancet, Lond., 1908, 2: 287–91.—**Summons, W.** Miners' disease. Intercolon. M. J. Australasia, 1907, 12: 1–10.—**Straatman, A. H.** [Diseases and accidents among miners and measures for their prevention] Reddingswezen, 1920, 9: 225–38.—**Suzuki, Y., Kisikawa, H., & Inoue, Y.** Zyōban tankō Yumoto-kō ni okeru nettyū-syō (akamari) no tōkei-teki kansatu [Statistical observations on the fever (akamari) in the Yumoto shaft of the Zyōban coal mine] Tōhoku igaku zassi, 1949, 41: 149–53.—**Williams, L. S., Miller, A.** [et al.] Smalls. Proc. Transvaal Mine M. Off. Ass., 1936–37, 16: 33–7.—**Yosida, S.** Zyōban tankō zyūgyōin no zibiinkōka-teki kensa seiseki ni tuite [The result of otorhinolaryngological examination of the workers in the Zyōban coal mine] Tōhoku igaku zassi, 1949, 41: 140–3.

—— Disease; Blood.

Emerson, N. The effect of underground work on the erythrocyte count of Europeans working on the Rand gold mines. Q. J. Exp. Physiol., Lond., 1933, 22: 369–76.—**Nordman.** De l'anémie des mineurs. Loire méd., 1930, 44: 382–99.

—— Disease, cardiovascular.

Wohlhueter, G. *Le syndrome cardio-pulmonaire du mineur de houille. 107p. 24cm. Strasb., 1939.

Drenckhahn, C. H. Vasospastic disease of the hands of miners due to vibration. Illinois M. J., 1936, 70: 354–7.—**Feil, A.** Le coeur et l'appareil circulatoire du mineur. Progr. méd., Par., 1936, 309–14.—**Wohlhueter, G.** Le coeur des mineurs. Méd. travail, 1936, 8: 209–15.

—— Disease: Forensic aspect.

Fisher, S. W. Medico-legal aspects of coal-mining. Med. Leg. Crim. Rev., Lond., 1938, 6: 245–60.—**Hautpilzerkrankungen,** Epidermophytie, keine bergmännische Berufskrankheit.

Med. Klin., Berl., 1940, **36**: 1141 (Abstr.)—**Leclercq, J., & Bréhon.** Etat pulmonaire des ouvriers mineurs de la fosse N° 2 des mines de Béthune. Ann. méd. lég., 1935, **15**: 72-4.—**Mauthner, O.** Typische Berufsschäden im Bergbau, bei der Koksbereitung und im Hüttenbetriebe im Bereiche des Gehörorgans und der oberen Luftwege (ein Uebersichtsbeitrag zum Zwecke der gesetzlichen Erfassung) Med. Klin., Berl., 1930, **26**: 654-7.—**Rangel y Frías, E.** La tuberculosis pulmonar en los mineros, no precedida de silicosis, no es enfermedad profesional. Rev. med. cir., Monterrey, 1943, **5**: 72-83. ——— & **Vera, M.** La tuberculosis pulmonar de los mineros no precedida de silicosis no es enfermedad profesional. Ibid., 1944, **6**: 1-7.—**Tuberculo-silicosis** of coal miner; length of exposure and date of contraction within proper limits [Utah] Indust. Hyg. Digest, 1943, **7**: No. 9, 3.

—— Disease, musculoskeletal.

See also under names of parts and regions.

Adamson, W. A. D. Injuries of the cartilage in miners. Edinburgh M. J., 1946, **53**: 37-45.—**Azzolla, F.** Die Myalgie eine der häufigsten Bergarbeiterkrankheiten. Wien. med. Wschr., 1927, **77**: 1689.—**Karp, M.** [Hygroma praepatellare et olecrani, affection common among miners] Bratisl. lek. listy, 1937, **17**: 141-4.—**Linde, F.** Ueber Schädigung der Ellenbogengelenke durch Arbeit mit Pressluftwerkzeugen, eine besonders bei Bergleuten häufige Erkrankung. Zschr. Gewerbehyg., 1933, **40**: 4-6.—**Rosenbaum, B. N.** Roentgenological analysis of lumbar pains among the coal miners of Cheremkhovo and its estimation as occupational disease. Tr. Vost. Sibir. med. inst., 1935, No. 3, 74-82.—**Ruiz Moreno, A., & Moreno, B. A.** El reumatismo en los mineros. An. Conv. méd. indust., B. Air. (1944) 1946, 2. Conv., 146-55.

—— Disease, parasitic.

See also **Ancylostomiasis.**

Anquilostomiasis o anemia de los mineros. In: Conf. profiax., Mex., 1948-49, 135.—**Bussmann, W.** Hygienische Massnahmen zur Verhinderung der Wiedereinschleppung des Hakenwurms in den deutschen Bergbau. Deut. med. Wschr., 1940, **66**: 267.—**Czukelter-Szecsödy, J., & Acs, L.** Az ancylostomiasis gyógyitására bevezetett eljárásokról és az ezek kapcsán a brennbergi bányászoknál elért eredményekről. In: Ancylost. kérdés. mai állása Magyarorsz. (Lőrincz, F.) Pécs, 1935, 67-75.—**Garin, C., Rousset, J., & Gonthier, B.** Organisation de la lutte contre l'ankylostomose dans une exploitation minière. Méd. travail, 1931, **3**: 37; 1932, **4**: 23.—**Helbig.** Wurmkrankheit der Bergleute. Pharm. Zhalle, 1903, **44**: 846; 1904, **45**: 213.—**Lőrincz, F., & Makara, G.** Az ancylostoma duodenale fertőzések intenzitására és az azt befolyásoló tényezőkre vonatkozó vizsgálatok a brennbergi bányamunkásoknál. In: Ancylost. kérdés. mai állása Magyarorsz. (Lőrincz, F.) Pécs, 1935, 42-54.—**Lőrincz, F., & Stiller, J.** Az ancylostomiasis jelenlegi elöfordulása Magyarországon (33 bányászati üzem 3440 munkásánál végzett 5567 vizsgálat alapján) Ibid., 33-42, tab.—**Nakamura, T., Koyama, M.** [et al.] Zyōban tankō zyūgyō-in oyobi kazoku no kiseityūgaku-teki tyōsa seiseki [Results of parasitological investigations of the workers in the Zyōban Coal mine and of their families] Tōhoku igaku zassi, 1949, **41**: 113-7.—**Ortiz Mariotte, C., & Romano Montero, A.** Uncinariasis en mineral del Monte Hgo. Medicina, Méx., 1940, **20**: 291-8.—**Zmeev, G. J.** [Epidemiology of occupational infestation with worms in miners] J. epidem. mikrob., Moskva, 1932, 1: No. 3, 30-7.

—— Disease: Pathology.

Hornung, G. *Die Luft der Steinkohlengruben und ihr Einfluss auf den menschlichen Organismus. 37p. 21cm. Würzb., 1939.

Cronin, A. J. Dust inhalation by hematite miners. J. Indust. Hyg., 1926, **8**: 291-5.—**Dreosti, A. O.** Pathological reactions produced by work in hot and humid environment in the Witwatersrand gold mines. S. Afr. J. M. Sc., 1937, **2**: 29-36.—**Fischer, W. O.** A preliminary report on 1,402 consecutive autopsies on native mine workers. J. M. Ass. S. Afr., 1929, **3**: 511-6. ——— Record of 561 consecutive autopsies on native mine workers. S. Afr. M. J., 1932, **6**: 359-61.—**Fowler, H. P.** Lode gold mining and its effect on the health of underground African employees. Rep. M. Dep. Gold Coast Colony (1936) 1937, 101.—**Heymann, B., & Freudenberg, K.** Statistische Erhebungen über den Einfluss des Grubenklimas auf die Gesundheit der Bergleute. Zbl. Gewerbehyg., 1934, n. F., **11**: 72; 111.—**Loewenstein.** Der Bergmann bei unterirdischen Gesteinsarbeiten. Verh. Deut. Ges. inn. Med., 1936, 48. Kongr., 143-54.—**Póvoa, H.** A patologia nas minas. Arch. brasil. med., 1940, **30**: 201-8.—**Weil, H.** Ueber die Wirkungen des Grubenklimas auf den Menschen. Arch. Hyg., Münch., 1932, **108**: 280-306.

—— Disease, respiratory.

See also **Anthracosis.**

Berdo, N., & Cwojdzińska, I. Choroby narzadu oddechowego u górników kopalń węgla Zabłębia Dąbrowskiego. 23p. 24cm. Kraków, 1938.

Forms No. 10, v.5, Rozpr. wydz. lek. Polska akad.

Great Britain. Privy Council. Medical Research Council. Chronic pulmonary disease in South Wales coalminers; medical studies. 222p. 24½cm. Lond., 1942.

——— [The same] Environmental studies. 222p. 24cm. Lond., 1943.

Sayers, R. R. Pulmonary diseases in the mining industry. 26p. 27cm. Wash., 1941.

Badham, C., & Taylor, H. B. The lungs of coal, metalliferous and sandstone miners and other workers in New South Wales; chemical analysis and pathology. Rep. Dir. Pub. Health N. S. Wales (1936) 1938, 100-43.—**Benignetti.** Alcuni ultimi modelli di apparecchi respiratori nelle miniere. Riv. ingegn. san., 1905, **1**: 148-50.—**Berdo, N., & Cwojdzinska, I.** Les pneumopathies chez les mineurs du bassin houiller de Dąbrowa Górnicza. Bull. internat. Acad. polon. sc., cl. méd., 1938, 751.—**Daubenton, F., Frew, A.** [et al.] Correlation between the different respiratory diseases and general conditions on the mines in 1931. Proc. Transvaal Mine M. Off. Ass., 1932-33, **12**: 1-15, ch.—**Experiment** (An) with sulphapyridine for pneumonia in native mine laborers on the Rand. Brit. M. J., 1941, **2**: 278.—**Fox, F. W.** A study of the reserves of vitamin A in the livers of native mine labourers with special reference to their resistance to pneumonia. Lancet, Lond., 1933, **1**: 953-5.—**Gorgas, W. C.** Recommendations as to sanitation concerning employees of the mines on the Rand made to the Transvaal Chamber of Mines. J. Am. M. Ass., 1914, **62**: 1855-65. Also Mil. Surgeon, 1914, **35**: 24-50.—**Investigation** (An) of chronic pulmonary disease in coalminers. Med. J. Australia, 1942, **2**: 523-5.—**Leclercq, J., & Brehon.** Etat pulmonaire des ouvriers mineurs de la fosse No. 2 des mines de Béthune. Echo méd. nord, 1934, 3. ser., **2**: 237. Also Méd. travail, 1934, **6**: 251-4.—**Lemoine, J. M., & Bruninx, W.** Les bronches des ouvriers mineurs. J. fr. méd. chir. thorac., 1948, **2**: 79-84.—**Lister, F. S.** Prophylactic inoculation of man against pneumococcal infections, and more particularly against lobar pneumonia; including a report upon the results of the experimental inoculation, with a specific group vaccine, of the native mine labourers employed upon the Premier (diamond) mine and the Crown (gold) mines in the Transvaal and the De Beers (diamond) mines at Kimberley—covering the period from November 1, 1916, to October 31, 1917. Pub. S. Afr. Inst. M. Res., 1917, **10**: 303-32.—**Martin, E., & Roche, L.** Quelques remarques sur la dyspnée d'effort chez les ouvriers du fond employés dans les houillères. Arch. mal. profess., Par., 1946, **7**: 197.—**Massino, S.** [Pathology of lungs of coal-miners] Vrach. delo, 1927, **10**: 1071-6.—**Motley, H. L.** Pulmonary function studies in bituminous coal miners. West Virginia M. J., 1950, **46**: 8-23, illust. ——— **Lang, L. P., & Gordon, B.** Pulmonary emphysema and ventilation measurements in 100 anthracite coal miners with respiratory complaints. Am. Rev Tuberc., 1949, **59**: 270-88. ——— Studies on the respiratory gas exchange in 100 anthracite coal miners with pulmonar., complaints. Ibid., 1950, **61**: 201-25, illust.—**Orenstein, A. J Frazer, J. F. D., & Walker, J. I.** Chest disease in Rand miners' Lancet, Lond., 1947, **1**: 233.—**Peterson, J. N., Peterson, J. M., & Startup, C. W.** Miners' dyspnoea. Ibid., 1939, **1**: 147-9.—**Pulmonary** disease in miners. Brit. M. J., 1942, **2**: 43.—**Retief, F.** Chest disease in Rand miners. Lancet, Lond., 1947, **1**: 536.—**Robertson, C. K.** Neo-epinine in the dyspnoea of coal-miners. Brit. M. J., 1949, **2**: 961.—**Schopper, W.** Ueber Lungenentzündungen bei Brauneisenstein-Bergarbeitern. Arch. Hyg., Münch., 1930, **104**: 175-83.—**Silicosis** and tuberculosis among miners in Oklahoma, Kansas, and Missouri. Month. Labor Rev., 1933, **37**: 68-70.—**Weber, F. A.** Die Bergkrankheit der Erzbergleute in Schneeberg in Sachsen (Schneeberger Lungenkrebs) Arb. Reichsgsundhamt., 1926, **57**: 179-88.—**Williams, E.** The presence of curious bodies in the lungs of South African gold-miners. J. Path. Bact., Lond., 1939, **48**: 475-7.—**Ziel, D.** La maladie minière à Joachimsthal. Bull. Off. internat. hyg. pub., Par., 1934, **26**: 701-4.

—— Disease, respiratory: Fibrosis of lung.

Arce Castrillo, L. Las esclerosis pulmonares de los obreros de minas de Estaño. Ap. resp. & tuberc., La Paz, 1949, **6**: 3-13.—**Croizier, L., & Martin, E.** Fibrose pulmonaire chez les mineurs plus spécialement occupés à la perforation et à l'exploitation des roches. Rev. tuberc., Par., 1934, 4. ser., **2**: 292-8. ——— Some remarks on pulmonary fibrosis in miners. Tubercle, Lond., 1936-37, **18**: 206.—**Eloire, F.** Interprétation des images radiographiques de fibrose pulmonaire des mineurs. Echo méd. nord, 1935, 3. ser., **4**: 367-72.—**Leclercq, J.** Les fibroses pulmonaires des mineurs; la composition du terrain houiller du Nord de la France. Ibid., 1936, **6**: 359-68, illust.—**Martin, E., & Roche, L.** La fibrose pulmonaire des mineurs au charbon. J. méd. Lyon, 1945, **25**: 63-6.—**Muller, M., & Eloire, F.** Les images de sclérose pulmonaire chez les individus du pays minier ne travaillant et n'ayant jamais travaillé aux mines. Echo méd. Nord, 1935, 3. ser., **4**: 777-83; illust. Also J. belge radiol., 1936, **25**: 311-4.—**Stewart, M. J., & Faulds, J. S.** The pulmonary fibrosis of haematite miners. J. Path. Bact., Cambr., 1934, **39**: 233-53, 10 pl.

—— Disease, respiratory: Phthisis.

South Africa. Miners' Phthisis Acts Commission. Report of the Miners' Phthisis Acts Commission 1941–43; majority report and minority report. 57p. 32cm. Pretoria, 1943.

South Africa. Miners' Phthisis Medical Bureau. Report. Cape Town, &c., **1** (1916–17) 1918–

South Africa. Minister of Mines. Report of the Committee to inquire into the position of miners' phthisis beneficiaries. 41p. fol. Pretoria, 1935.

Borsalini, G. Contributo clinico ed anatomo-patologico allo studio della tubercolosi dei minatori. Clin. med. ital., 1931, **62:** 659–73, 2 pl.—**Cohen, A. C.** Incidence of pulmonary and extra-pulmonary tuberculosis in anthracite coal miners. Arch. Int. M., 1939, **63:** 1117–22.—**Croizier, L., & Martin, E.** La fréquence de la tuberculose pulmonaire chez les mineurs. Loire méd., 1938, **52:** 347–54.—**Crouch, J. H.** A study of tuberculosis deaths in Silver Bow County, Montana, and of other important causes of deaths in miners. Am. Rev. Tuberc., 1936, **33:** 396–403.—**Fraser, D. S.** The actuarial valuation of the outstanding liabilities under the South African Miners' Phthisis Act. Silicosis, Geneva, 1930, 675–86.—**Functions** and experience of the Medical Board of Appeal appointed under the Miners' Phthisis Act. Ibid., 610–7.—**Irvine, L. G.** The functions of the Miners' Phthisis Medical Bureau and the general system of medical examinations conducted under the Miners' Phthisis Act. Ibid., 597–609.—**Lienhardt, Depoire & Delannoy.** Phtisie des mineurs et pneumothorax. Écho méd. nord, 1936, **5:** 251–5. ——— Phtisie des mineurs. Ibid., 1937, **7:** 275–80.—**Miners'** phthisis: a problem of labour. Off. Yearb. Union S. Africa, 1933–34, **16:** 231–8.—**Miners'** phthisis beneficiaries. Annual Rep. S. Africa Dep. Pub. Health, 1934–35, 39–41.—**Miners'** phthisis in South Africa. Month. Labor Rev., 1934, **38:** 322.—**Pringle, A. D.** Sanatorium treatment of miners' phthisis patients. Silicosis, Geneva, 1930, 572–88.—**Ravault, P., Roche, L.** [et al.] Granulie chez un ancien mineur; diagnostic différentiel avec la silicose. Arch. mal. profess., Par., 1948, **9:** 59–62.—**South** Africa. Miner's Phthisis Medical Bureau; Annual reports, 1935–38. Tubercle, Lond., 1939–40, **21:** 240–2.—**Veiga Pires.** A volta dum relatório sôbre a tuberculose nos indigenas mineiros do Rand. Bol. tisiol., Pôrto, 1934, **1:** 61–77.—**Watt, A. H.** Personal experiences of miners' phthisis on the Rand, from 1903 to 1916. Silicosis, Geneva, 1930, 589–96.—**Williams, C. J., Raath, C. S., & Orpen, B. G. O.** The work of the Miners' Phthisis Board and of the mining industry in providing employment for silicosis sufferers and their dependants. Ibid., 687–92.

—— Disease, respiratory: Pneumoconiosis.

Great Britain. Ministry of Fuel and Power. Report of the Advisory Committee on the Treatment and Rehabilitation of Miners in the Wales Region Suffering from pneumokoniosis. 18p. 24½cm. Lond., 1944.

Poubelle, M. P. *Contribution à l'étude de la pneumoconiose des mineurs et de ses rapports avec la tuberculose. 53p. 24½cm. Lille, 1936.

Aslett, E. A., Davies, T. W., & Jenkins, T. I. Radiological appearances in the development of coal miners' pneumokoniosis. Brit. J. Radiol., 1943, **16:** 308–13.—**Atkins, J. B.** Pneumokoniosis in coalminers. J. R. San. Inst., 1948, **68:** 516–25.—**Brites, G.** O nodulo pneumoconiótico dos mineiros da Urgeiriça. Coimbra méd., 1938, **5:** 729–35, 5 pl.—**Burger.** La radiographie miniature dans la pneumoconiose des mineurs. Méd. usine, 1949, **11:** 547.—**Creyghton, J.** Het bloedbeeld bij mijnwerkers-pneumoconiose. Geneesk. gids, 1948, **26:** 176–84. Also Prensa méd. argent., 1948, **35:** 1311.—**Donald, K. W.** Reaction to carbon dioxide in pneumokoniosis of coalminers. Clin. Sc., Lond., 1949–50, **8:** 45–52.—**Dufort, Josserand** [et al.] Inoculation positive de nodules pulmonaires fibreux (nodules silicotiques) dans un cas de pneumokoniose fibreuse chez un mineur. Lyon méd., 1936, **157:** 470.—**Fisher, S. W.** Pneumokoniosis among British coal miners. Pharm. J., Lond., 1948, **107:** 232.—**Fletcher, C. M.** Pneumoconiosis of coal-miners. Brit. M. J., 1948, **1:** 1015; 1065, pl. ——— & **Oldham, P. D.** The problem of consistent radiological diagnosis in coalminers' pneumoconiosis; an experimental study. Brit. J. Indust. M., 1949, **6:** 168–83.—**Gerlach, W.** Die Staublunge des Mansfelder Bergmanns, zugleich ein Beitrag zur Frage Staublunge und Lungentuberkulose. Arch. Gewerbepath., 1931, **2:** 105–22.—**Gill, C. C.** Miner's lung; pneumoconiosis, silicosis, anthracosis; and analysis of 222 cases. Tr. M. Soc. Hawaii, 1940, **50:** 130–8. ——— Miner's lung, pneumoconiosis, silicosis, anthracosis; an analysis of 227 cases. Mil. Surgeon, 1941, **88:** 264–82.—**Gooding, C. G.** Pneumoconiosis in South Wales anthracite miners. Lancet, Lond., 1946, **2:** 891–6.—**Gough, J.** Pneumonoconiosis in coal workers in Wales. Occup. Med., 1947, **4:** 86–97. ——— & **Wentworth.** La pathologie de la pneumoconiose des houilleurs dans le pays de Galles; un procédé nouveau pour l'étude de la pathologie des poumons. Méd. usine, 1949, **11:** 546.—**Graham, I. A. D.** Pneumonokoniosis in New South Wales coal miners. Med. J. Australia, 1948, **1:** 544. ——— & **Smith, G. C.** Pneumonokoniosis in New South Wales coal miners. Ibid., 775–7.—**Hellmers, J. H., & Udluft, H.** Untersuchungen über die Ursache der Staublungenerkrankungen im Bereich des Mansfelder Kupferschieferbergbaus. Arch. Gewerbepath., 1942, **11:** 480–502.—**Heppleston, A. G.** The essential lesion of pneumokoniosis in Welsh coal workers. J. Path. Bact., Lond., 1947, **59:** 453–60, 4 pl.—**Husten, K.** Die Steinstauberkrankungen der Ruhrbergleute. Klin. Wschr., 1931, **10:** 506–8.—**Imasaki, Y.** Honpō kinkōzan no keihai ni tuite [Pneumoconiosis in gold-mines in Japan] Nagoya igakkai zassi, 1944, **59:** 317–33, pl.—**Jones, R. H.** Pneumonoconiosis encountered in bituminous coal miners. J. Am. M. Ass., 1942, **119:** 611–5.—**King, E. J., & Gilchrist, M.** Chronic pulmonary disease in South Wales coalminers; experimental studies; the estimation of coal and of aluminium in dried lung. Spec. Rep. Ser. Med. Res. Counc., Lond., 1945, No. 250, 21–8.—**King, E. J., & Hart, P. D.** Pneumoconiosis of coalminers. Lancet, Lond., 1945, **2:** 155.—**King, E. J., & Nagelschmidt, G.** The mineral content of the lungs of workers from the South Wales coalfield. Biochem. J., Lond., 1944, **38:** Suppl., 6. Also Spec. Rep. Ser. Med. Res. Counc., Lond., 1945, No. 250, 1–20, pl.—**Leclercq, J., Balgairies, E., & Treguer, C.** La collaboration médico-technique dans la lutte contre les poussières dans les houillères du Bassin du Nord et du Pas-de-Calais. Ann. méd. lég., 1948, 329–31.—**McVittie, J. C.** Pneumoconiosis in coal miners. Postgrad. M. J., Lond., 1949, **25:** 618–31, illust.—**Martin, E.** Valeur pronostique de la vitesse de la sédimentation sanguine dans la pneumoconiose des mineurs. Arch. mal. profess., Par., 1948, **9:** 104–8. ——— & **Roche, L.** Les formes pseudo-tumorales de la pneumoconiose des mineurs; étude radiologique et clinique. Ibid., 1946, **7:** 310–5.—**Mattei & Perret.** La prévention des pneumoconioses dans le bassin minier de la Mure. Ibid., 61–4.—**Meiklejohn, A.** Haemosiderosis and dust reticulation of coal-miners: an interesting case report. Brit. J. Radiol., 1949, **22:** 547.—**Mey, A. V. M.** De pneumoconiose der mijnwerkers. Ned. tschr. geneesk., 1949, **93:** 3992–6.—**Moshkovsky, I. I.** [Pneumokoniosis in coal miners] Borba s tuberk., 1934, No. **7,** 102–13. ——— Pneumokoniosis among underground workers. Bull. Hyg., Lond., 1942, **17:** 74–6 (Abstr.) ——— & **Bril, E. J.** [Pneumoconiosis in miners] Vrach. delo, 1934, **17:** 665–72, pl.—**Mottura, G.** Siderosi e cancro polmonare in un minatore. Gior. Accad. med. Torino, 1942, **105:** pt 2, 81–8, 6 pl.—**Nakamura, T., Akaike, M., & Nakagomi, I.** Keihai ni kan-suru kenkyū; Tōhoku syō-kinzoku-kōzan ni okeru zin-ai taisaku no genzyō [Studies on pneumoconiosis; present conditions in dust prevention measures in small metal mines of the north-eastern district of Japan] (Tōhoku) Tōhoku igaku zassi, 1949, **41:** 154–60. ——— Tōhoku syō-kinzoku kōzan ni okeru keihai no ekigaku-teki kenkyū [Epidemiological studies on pneumoconiosis in small metal mines of the north-eastern district of Japan] Ibid., 161–9.—**Nisbet, A. T.** Pneumonokoniosis in New South Wales coal miners. Med. J. Australia, 1948, **1:** 389–96.—**Outhred, K. G.** Pneumonokoniosis on Western Australian goldfields. Ibid., 1949, **2:** 355–8. ——— **Hallam, K.** [et al.] Pneumonokoniosis on the goldfields. Ibid., 1948, **2:** 460.—**Paviot, J., Chevallier, R., & Badinand, H.** Examen chimique des poumons noirs et des viscères d'un sujet ayant travaillé pendant 5 ans dans une mine de plomb. Méd. travail, 1931, **3:** 19–28.—**Perret & Mattei.** Quelques aspects médico-sociaux de la pneumoconiose des mineurs. Arch. mal. profess., Par., 1947, **8:** 196–203.—**Pneumokoniosis** of coal workers. Lancet, Lond., 1942, **1:** 689.—**Pneumoconiosis** in South Wales coalmines. Ibid., 1946, **1:** 462.—**Pneumoconiosis** of workers in coal mines and of other workers exposed to coal dust. Proc. Internat. Conf. Silicosis (1938) 1940, 2. Conf., 28–36.—**Policard, A., & Devuns, J.** Recherches histochimiques sur les particules minérales renfermées dans le poumon des mineurs. C. rend. Acad. sc., 1930, **190:** 979.—**Policard, A., & Doubrow, S.** Sur les mecanismes qui interviennent dans la fixation des poussières minérales par le poumon. Presse méd., 1929, **37:** 337–9.—**Policard, A., & Martin, E.** Etude statistique sur les modifications pulmonaires observées chez les mineurs travaillant dans les poussières de rocher. Bull. Acad. méd., Par., 1930, 3. ser., **104:** 333–43.—**Proctor, L.** Pneumoconiosis of coal miners. Trephine, Brisbane, 1949, **2:** No. 4, 57–72, illust.—**Rogers, E.** Recognition of coalminers' pneumoconiosis. Leech, Cardiff, 1947–48, **3:** No. 2, 7–10.—**Schilling, C.** Untersuchungen über Staublungenerkrankungen bei Arbeiten des Schauinsland-Bergwerkes. Fortsch. Röntgenstrahl., 1935, **52:** Kongr., 33.—**Sharp, W. C.** Pneumoconiosis of coal miners. Health Bull., Edinb., 1949, **7:** 44–7.—**Simonin, Drouet** [et al.] La pneumoconiose des mineurs de fer. Rev. méd. Nancy, 1944–45, **70:** 148–54.—**Stewart, A.** Pneumoconiosis of coal-miners; a study of the disease after exposure to dust has ceased. Brit. J. Indust. M., 1948, **5:** 120–40.—**Sundell, C. G.** [Stone-dust lung as industrial disease of miners in Grangesberg and adjacent mines] Sven. läk. tidn., 1935, **32:** 369–92, 7pl.—**Tamura, A., Murata, Z.** [et al.] Matuo iō kōzan ni okeru keihai to hai-kekkaku to no kanren ni tuite [Relation between pneumoconiosis and pulmonary tuberculosis in the Matuo sulphur mine] Nippon rinsyō kekkaku, 1949, **8:** 368–75.—**Thomas, A. J.** The heart in the pneumoconiosis of coalminers. Brit. Heart J., 1948, **10:** 282–92.—**Treasure, J. A. P.** A study of the efficiency of groups of ex-miners disabled by pneumoconiosis employed in light industries in South Wales. Brit. J. Social M., 1949, **3:** 127–38.—**Vossenaar, A. H.** De pneumoconiose der mijnwerkers. Ned. tschr. geneesk., 1949, **93:** 3191–3.—**Wohlhueter, G., Kleitz,**

M. [et al.] La pneumokoniose des meuniers et des boulangers. Arch. mal. profess., Par., 1939–40, 2: 653–67.—**Zorn, O.** Die Beurteilung der körperlichen Leistungsfähigkeit bei den Staublungenerkrankungen der Bergleute im Ruhrbezirk. Beitr. Klin. Tuberk., 1944, **100**: 293–313.

—— Disease, respiratory: Silicosis.

Cady, J. *La silicose pulmonaire dans les mines d'or de l'Anjou; ses problèmes actuels. 87p. 24cm. Par., 1938.

Deffrenne, P. *Contribution à l'étude du pronostic clinique de la silicose chez les mineurs au rocher. 57p. 25cm. Lyon, 1945.

Greinacher-Cristofari, V. *Die Mineur-Silikose in der Schweiz. 28p. 22½cm. Zür., 1945.

Also Zschr. Unfallmed., Zür., 1945, **38**: No. 3.

Landwehr, M. Was der Bergmann von der Staublungenerkrankung (Silikose) und den Möglichkeiten zu ihrer Bekämpfung wissen muss. 50p. 21cm. Berl., 1941.

Sayers, R. R. Silicosis among miners. 24p. 8° Wash., 1925.

Forms No. 372, Techn. Pap. U. S. Bur. Mines.

Transvaal Mine Medical Officers' Association. Silicosis in South Africa; a symposium on the histo-pathology, pathological anatomy and radiology of the disease, Johannesburg, October 23, 1930. 44p. 23½cm. Johannesb., 1931.

Amsler, R. La silicose pulmonaire chez les mineurs d'or de l'Anjou. Gaz. méd. France, 1939, **46**: 481–6. —— **& Cady, J.** Remarques sur l'étude clinique et radiologique de la silicose pulmonaire chez les mineurs d'or de l'Anjou. Arch. méd. Angers, 1939, **43**: 73. —— Remarques sur la silicose des mineurs d'or des mines d'or de La Bellière en Maine-et-Loire. Rev. tuberc., Par., 1939, 5. ser., **5**: 580–8.—**Appelman, A. C.** De mijnwerkerspneumonoconiose en de ongevallenwet 1921. Ned. tschr. geneesk., 1949, **93**: 1995–7.—**Cassou, R., & Blancardi, C.** La silicose pulmonaire du mineur. Presse méd., 1934, **42**: 1443–6.—**Clarke, B. G., & Moffet, C. E.** Silicosis in soft coal miners. J. Indust. Hyg., 1941, **23**: 176–86.—**Cooke, W. E.** Silicosis in the British coalfields. Tubercle, Lond., 1937–38, **19**: 289–306.—**Cornet, A.** Opacités ganglio-pulmonaires de densité anormale chez un ancien mineur. Arch. mal. profess., Par., 1942, **4**: 27–33.—**Davies, T. W.** Silicosis in slate quarry miners. Tubercle, Lond., 1938–39, **20**: 543–55.—**Deaner, S.** Silicosis in Stourbridge fireclay miners. Lancet, Lond., 1941, **2**: 417–20, pl.—**Dinkelis, S. S.** K voprosu o rasprostranenii silikoza sredi rabočikh gornorudnoj promyślennosti. Hig. & san., Moskva, 1949, **14**: No. 9, 49.—**Dreessen, W. C., Page, R. T., & Brinton, H. P.** Silicosis and other health problems of metal miners. Am. J. Pub. Health, 1942, **32**: 142–50.—**Drinker, P.** Mining in dolomite. Sympos. Silicosis, 1939, 4. Sympos., 158–62.—**Du Toit, A. B., Barry, G. E., & Dale, N. P.** Review of the development of silicosis legislation in South Africa, with particular reference to compensation. Silicosis, Geneva, 1930, 648–74.—**Elliott, J. H.** Silicosis in Ontario gold miners. Tr. Am. Clim. Clin. Ass., 1923, **39**: 24–43.—**Ellis, P. M., Smith, M. T.** [et al.] Silicosis; general considerations and survey in the Coeur D'Alene mining district of Idaho. Northwest M., 1942, **41**: 406–12.—**Flinn, R. H., Seifert, H. E., & Brinton, H. P.** Anthraco-silicosis among bituminous coal miners. Indust. M., 1942, **11**: 470–3.—**Fraser, D. S., & Irvine, L. G.** Statistical account of the incidence and progression of silicosis amongst the gold miners of the Witwatersrand. Silicosis, Geneva, 1930, 618–47.—**Froment, J., & Guichard, A.** Silicose pulmonaire avec pneumothorax spontané, évoluant chez un ancien mineur. Lyon méd., 1934, **154**: 391–5.—**Fruchart, G., & Pennel, J.** Le terrain pulmonaire du mineur et ses conséquences physiopathologiques. J. sc. méd. Lille, 1949, **67**: 313–9.—**Garin.** Un cas de silicose pulmonaire stabilisé depuis dix ans chez un ancien mineur au rocher. Lyon med., 1935, 707.—**Hahn, F.** Estudio sobre la determinación de la silice en los pulmones de obreros de minas. Bol. Dep. méd. social, Quito, 1937, **1**: 27–35.—**Hale, L. W.** Tin mining and silicosis in Cornwall. Thorax, Lond., 1946, **1**: 71–92.—**Hernández-Pacheco, D.** La silicosis en el ambiente minero de carbón. Rev. españ. segur. social, 1947, **1**: 11–31.—**Holman, T.** Historical relationship of mining, silicosis, and rock removal. Brit. J. Indust. M., 1947, **4**: 1–29.—**Horai, Z., Kimura, T., & Nomura, K.** Keihai no syōrei [Silikose bei Erzbergleuten in Japan] Kekkaku, 1938, **16**: 7–19, 3 pl.—**Irvine, L. G., Mavrogordato, A., & Pirow, H.** A review of the history of silicosis on the Witwatersrand goldfields. Silicosis, Geneva, 1930, 178–208.—**Izquierdo, S., & García, E.** La silicosis entre los mineros de Vizcaya. Tubercle, Lond., 1942, **23**: 191 (Abstr.)—**Langelez, A.** Belgian miners' silicosis. Proc. Internat. Conf. Silicosis (1938) 1940, 2. Conf., 140–50.—**Leal y Leal, J.** El problema de la silicosis en la zona minera de Linares y La Carolina. Medicina, Madr., 1943, **11**: pt 2, 375–83.—**Magnin, J.** Méditation sur la prophylaxie de la silicose dans les mines. Méd. travail, 1935, **7**: 60–7. —— La silicose dans les mines de Bessèges, Gard. Ibid., 137–55. —— Sur la prophylaxie de la silicose dans les mines. Arch. mal. profess., Par., 1946, **7**: 475–88.—**Martin, E., & Roche, L.** Organisation de la prévention médicale de la silicose dans certaines mines du bassin de Saint-Etienne. Ibid., 296–8.—**Medeiros Q., S.** Clasificaciones sobre silicosis; adoptar en Bolivia, para uso general de médicos dedicados a atención de obreros mineros. Protec. soc., La Paz, 1946, **9**: No. 102, 30–6.—**Mesures** de prévention contre la silicose dans la construction de tunnels et de galeries, ainsi que dans les mines. Bull. Off. internat. hyg. pub., Par., 1945, **37**: 22–7.—**Montesano, G.** Aspetti della silicosi in una miniera di antracite; studio clinico-radiologico e contributo casistico. Rass. med. indust., 1942, **13**: 331–73. Also Zbl. ges. Hyg., 1943, **51**: 419 (Abstr.)—**Moore, K. R.** Silicosis among metal miners in western Australia. Med. J. Australia, 1938, **1**: 147–53.—**Mosonyi, L.** [Silicosis in coal miners] Orv. hetil., 1939, **83**: mell., 163.—**Očenášek, M.** [Silicosis of miners in the pathology of social medicine] Cas. lék. česk., 1933, **72**: 1712–7.—**Orenstein, A. J.** Silicosis in the gold mines of the Witwatersrand; a brief review. Occup. Med., 1947, **4**: 50–5.—**Pastor B., M., & Liendo R., R.** Sílico-tuberculosis o tísis de los mineros. Gac. méd., Lima, 1945–46, **2**: 223–9, 2 pl.—**Pik, C., & Smeliansky, Z.** Neotložnye voprosy borby s silikozom v gornorudnoj promyślennosti. Hig. & San., Moskva, 1947, **12**: No. 10, 11–8.—**Ramallal.** Nota previa sobre la silicosis en las minas de Rodalquiar. Med. ibera, 1936, **30**: pt 1, 191–5.—**Roche, L.** Statistiques comparées sur la fréquence de la silicose dans les mines de charbon. Méd. usine, 1948, **10**: 372.—**Sayers, R. R.** Anthraco-silicosis among hard-coal miners. Proc. Internat. Conf. Silicosis (1938) 1940, 2. Conf., 124–33.—**Silicosis** and tuberculosis in South Africa; report of the Miners' Phthisis Bureau. Brit. M. J., 1934, **2**: 116.—**Sirois, A.** Mines d'amiante, silicose, amiantose. Laval méd., 1939, **4**: 275–83.—**Small, M. J.** A note on the occurrence of silicosis in bituminous coal miners. West Virginia M. J., 1946, **42**: 6.—**Stragiotti, L.** Valutazione della natura silicotigena di cave e miniere. Med. lavoro, 1948, **39**: 52–65.—**Tortori-Donati, B.** Modificazioni ematologiche ed umorali nella silicosi degli operai delle miniere di carbone. Ibid., 1947, **38**: 151–66.—**Tri-State** Mining Area, with high silicosis mortality, is proved plague spot of the country. Bull. Nat. Tuberc. Ass., 1940, **26**: 8.—**Tuberculosis** statistics; silicosis on the South African gold mines; production-rates for silicosis per cent; at each year of underground service at the periods shown. Tubercle, Lond., 1934, **15**: 401.—**Vokáč, Z.** Silikosa u hornfků rosicko-oslavanské kamenouhelné pánve. Cas. lék. česk., 1949, **88**: 618–21.—**Vossenaar, A. H.** La silicosi nelle miniere di carbone olandesi. Fol. med., Nap., 1937, **23**: 1130–52. —— Measures of prevention of silicosis in Dutch coal mines. Proc. Internat. Conf. Silicosis (1938) 1940, 2. Conf., 204–7.—**Zanetti, E.** La silicosi negli operai della cave di granito di Alzo. Med. lavoro, 1947, **38**: 173–91.

—— Disease: Skin.

Dangerfield, L. F., & Gear, J. Sporotrichosis among miners on the Witwatersrand gold mines. S. Afr. M. J., 1941, **15**: 128–31.—**Dermatitis** in mining industry. Brit. M. J., 1943, **1**: 400.—**Dowling, G. B., & Brain, R. T.** An epidemic papulopustular eruption of occupational origin occurring in coal-miners. Brit. J. Derm. Syph., 1934, **46**: 215–21.—**Duverne, J.** Les dermatoses des mineurs. Arch. mal. profess., Par., 1946, **7**: 64–6. —— Le problème médico-social des dermo-épidermites chez les mineurs. Ibid., 1949, **10**: 72–4. Also Dernosifilografo, 1949, **24**: 90–5.—**Fabry & Bockholt.** Schädigungen der Haut durch Kohle. In: Schädig. d. Haut. (Ullmann, K.) Lpz., 1926, **2**: 285–93.—**Helm, M. A. F., & Berman, C.** The clinical, therapeutic and epidemiological features of the sporotrichosis infection on the mines. In: Sporotrichosis, Johannesb., 1947, 59–72, illust., ch.—**Knowles, R. B.** Factors influencing dermatitis in coal-miners. Brit. M. J., 1944, **2**: 430–2.—**Lewin, J. M.** Ueber Färbung der Hautnarben bei den Arbeitern der Kohlenindustrie. Derm. Zschr., 1936, **73**: 135.

—— Education.

Orenstein, A. J., & Gordon, A. Notes on elementary hygiene, etc. for Compound Officials. Central Mining-Rand Mines Group. 2. ed. 68p. 8° Johannesb., 1936.

Williams, R. C. Miners' safety and health almanac for 1919. 48p. 24½cm. Wash., 1918.

Forms No. 24, Miners Circ. U. S. Bur. Mines.

Health (A) almanac for miners. J. Am. M. Ass., 1919, **72**: 198.—**Sayers, R. R.** Relation of illness to safety in mining. Tr. Nat. Safety Counc., 1932, **2**: 170–83.—**Sneźko, D. S.** [Hygiene instruction work at the coal mines of the Tovarsky region] Sovet. zdravookhr., 1943, No. 9, 61–4.—**Talbot, M. H.** Fighting death in mines; how science is educating the miner. Sc. Am. Suppl., N. Y., 1911, **71**: 200.

—— Environmental influences.

See also **Mine** subheadings.

Flinn, R. H., Jones, J. L. [et al.] Soft coal miners, health and working environment. 118p. 23½cm. Wash., 1941.

Strauss, W. Klima und Arbeit; über die Wirkungen des Grubenklimas auf den Menschen; Untersuchungen im Kalibergbau. p.777–853. 24cm. Berl., 1931.
Arch. Gewerbepath., 1931, 2:

Weil, H. *Ueber die Wirkungen des Grubenklimas auf den Menschen (Untersuchungen im Kalibergwerk der Gewerkschaft Baden zu Buggingen) [Freiburg] 32p. 8° Münch., 1931.

Working (The) environment and the health of workers in bituminous coal mines, nonferrous metal mines, and nonferrous metal smelters in Utah. 310p. 23cm. Salt Lake City, 1940.

—— Equipment and clothing.

Mang, J. Unfallverhütungsschuhe für den Bergbau. Zbl. Gewerbehyg., 1935, n. F., **12:** 203.—**Nuovo** apparecchio per la respirazione nelle miniere. Riv. ingegn. san., 1911, **12:** 337–59.

—— Eye.

See also **Miners' nystagmus.**

Campbell, D. A. A comparison of dark adaptation with the psychological state in miners. Brit. J. Ophth., 1948, **32:** 225–32. ——— & **Tonks, E.** A comparison of dark adaptation in miners with their nutritional state. Ibid., 205–8.—**Hessberg, R.** Ueber die Beurteilung von Brechungsfehlern, besonderers der höher- und hochgradigen Myopie für die Eignung zur bergmännischen Berufsarbeit. Klin. Mbl. Augenh., 1928, **81:** 794–801.—**Imaizumi, K., & Takahasi, M.** Zyōban tankō zyūgyōin no gan-sikkan ni tuite [Eye-diseases among the workers at the Zyōban coal mine] Tōhoku igaku zassi, 1949, **41:** 136–9.—**Stassen.** La fatica dell'apparecchio visivo nei minatori. Boll. ocul., 1925, **4:** 89–92.

—— female.

Employment of women miners. J. Ind. M. Ass., 1944–45, **14:** 84.—**Flores, D.** El trabajo de la mujer y los niños en las minas. Bol. Inst. protec. inf., Montev., 1943–44, **17:** 391–8.—**Kavalerov, I. N.** O položenii bolnykh ženščin-členov semejstv gornorabočikh na rudnikakh, zavodakh i drugikh promyślennykh predprijatijakh, raspoložennykh v rajone Bakhmutskago uezda Ekaterinoslavskoj gubernii. Tr. Obshch. russ. vrach. pam. Pirogova, 9. sjezd (1904) 1905, **4:** 406–11.—**Talpallikar, M. B.** Life and labour of women workers in the Bellampalli mines. Ind. J. Social Work, 1948–49, **9:** 208–17.

—— Health and hygiene.

Leopold, L. De gezondheidstoestand der arbeiders bij de steenkolenmijnen van Poeloe Laoet. 236p. 23cm. Amst., 1915.
Forms No. 2, Meded. Kolon. inst. Amsterdam, afd. trop. hyg.

Spaniol, W. *Studienbeitrag zur sozialen Lage und dem Gesundheitszustand der Saarbergleute. 32p. 8° Heidelb., 1935.

Castañeda, G. Higiene que debe observarse en los trabajos mineros subterráneos. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., **2:** 753–9.—**Chailley-Bert.** Note concernant l'état physique du personnel des mines de fer, juin 1942. Bull. Acad. méd., Par., 1945, **129:** 86–9.—**Colombo, F. V.** Health problems of miners in the Rocky Mountain area. Occup. Med., 1948, 5: 343–8.—**Director** General de Salubridad estudia a las condiciones sanitarias de los centros mineros; resolucion, rsuprema; Lima, 2 de febrero de 1940. Reforma méd., Lima 1940, **26:** 118.—**Ferrand y López, C.** Breves consideraciones generales acerca de la higiene de los operarios de las minas. Rev. espec. méd., Madr., 1905, 8: 502–4.—**Fisher, S. W.** Miners' health and welfare. J. R. Inst. Pub. Health, 1939, **2:** 476–85.—**Health** in the Witwatersrand mines. Brit. M. J., 1941, **2:** 278.—**Health** of workers in nonferrous-metal mines. Month. Labor Rev., 1942, **55:** 259–62.—**Iwasaki, I.** Kōzan eisei ni kan-suru kenkyū; toku-ni tanzan ni okeru sakugan-ki siyōsya no nikutai-teki syōgai ni tuite; hu, sono taisaku [Studies on mining hygiene, special reference to the physical effects of the jackhammer and measures to counteract these] Keiō igaku, 1943, **23:** 187–234.—**Kuroda, Y.** Tankō rōdō eisei no zittai [Hygienic conditions among laborers in coal mines] J. Pub. Health, Tokyo, 1948–49, **5:** 419–23.—**McGrath, E.** Coal mine health meeting. J. Social Hyg., 1941, **27:** 439–41.—**Miner's** (The) health. Brit. J. Phys. M., 1943, **6:** 33.—**Morris, J. N.** Coalminers. Lancet, Lond., 1947, **2:** 341–7.—**Somfai, J.** Bányaegészségügy [Health conditions among miners in Hungary] Népegészségügy, 1948, **29:** 72–5.—**South** American miners' health [Bolivia] J. Am. M. Ass., 1943, **123:** 1131.—**Van Hassel, V.** L'hygiène des houillères. Mouvement hyg., Brux., 1908, **24:** 233–8.

—— Health examination.

Mey, A. V. M. *Periodiek röntgenologisch longonderzoek bij steenarbeiders der staatsmijnen [Utrecht] 150p. 23½cm. Maastricht, 1947.

Burger, G. C. E., Edens, J. D. [et al.] Over het onderzoek van mijnwerkers door middel der röntgencamerafotografie. Tschr. sociale geneesk., 1948, **26:** 103–5.—**Culpin, M.** Going underground. Lancet, Lond., 1943, 2: 397.—**Germany;** order of the Minister of Economy concerning medical examinations before employment in mines; May 23, 1940. J. Indust. Hyg., 1941, **23:** Suppl., 192 (Abstr.)—**Girdwood, A. I.** The medical examination of native labourers on engagement at the gold mines of the Witwatersrand. Silicosis, Geneva, 1930, 566–71.—**Peall, P. A.** Physical examination and scientific management of mine native labourers. Proc. Transvaal Mine M. Off. Ass., 1937–38, **17:** 52–4.—**Physical** standard of returning miners. Brit. M. J., 1941, **2:** 894.—**Suggestions** relating to the medical examination of native mine labourers. Proc. Transvaal Mine M. Off. Ass., 1927–28, **7:** No. 9, 7.—**Vis, P. A.** [Examination of workers for underground mining] Geneesk. tschr. Ned. Indië, 1940, **80:** 1012–5.—**Zalkind, E. M., Ponizovskaja, A. I., & Finkel, I. E.** [Psychoneurologic examination of miners] Sovet. nevropat., 1932, **1:** 465–79.

—— Health insurance.

See also subheading (Social security)

Davis, M. M. Health insurance as miners know it. Surv. Graph., 1947, **36:** 353–5.—**Verordnung** des Bevollmächtigten für den Vierjahresplan über die Neuregelung der Rentenversicherung im Bergbau. Reichsgesundhbl., 1942, **17:** 834–6.—**Zemplényi, I.** Az Országos Bányatárspenztár feladatai. Népegészségügy, 1948, **29:** 210–2.

—— History.

Parcelsus. On the Miners' sickness and other miners' diseases. p.43–126. 25½cm. Balt., 1941.
In: Four Treat. of T. v. Hohenheim (Paracelsus)

Rosen, G. The history of miners' diseases. 490p. 24cm. N. Y., 1943.

Abstract (An) of a letter from Liege concerning a strange preservation of four men in a mine 24 days without any food, April 9, 1684. Philos. Tr., Lond., 1683–84, **13:–14:** 577.—**Hassler, F.** Deutsche Bergleute des 16. Jahrhunderts im Auslande. Forsch. & Fortsch., 1938, **14:** 221.

—— Hospitals and medical establishments.

Fountain Head, Pa. State Hospital for Injured Persons of the Anthracite Coal Region of Pennsylvania. Official reports. Pottsv., &c., **1.–17.,** 1882/84–1918.

Adams, D., Grenfell, D. [et al.] Rehabilitation centres for miners. Lancet, Lond., 1942, **1:** 368.—**Artificial** sunlight for miners (Sweden) J. Am. M. Ass., 1939, **113:** 1653.—**Fitness** center for miners [Gt. Britain] Ibid., 1943, **122:** 759.—**Miner's** (The) hospital. Nurs. Times, Lond., 1948, **44:** 137.—**Orenstein, A. J.** The organisation for the treatment of accidents and diseases, among the workers of the Central Mining Rand Mines, Limited, mines. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 475–83. ——— Native mine hospital economics. Proc. Transvaal Mine M. Off. Ass., 1928–29, **8:** No. 92, 6–8.—**Pentz, R. H.** Plan organized for coal miners; provides hospital and medical care. Hosp. Management, 1941, **51:** No. 5, 19.—**Pontén, J.** [Experiences in the Boliden solarium for miners] Nord. med., 1939, **3:** 2569–72.—**Quensel.** Bergmannswohl, Unfallnervenheilanstalt der Knappschafts-Berufsgenossenschaft zu Schkeuditz. Aerztl. Sachverst. Ztg, 1911, **17:** 197–205.—**Schmidt, L.** Miners' physical treatment centre at Kirkby Colliery. Brit. J. Phys. M., 1943, **6:** 105–10. ——— Ultra-violet irradiation and prevention of illness. Ibid., 1944, **7:** 159.—**Schuth, E., Landschütz. R., & Irmer, U.** Höhensonnen-Ausgleichsbestrahlungen für Bergleute; vorläufige Erfahrungen und Ergebnisse der Bestrahlungsanlage auf der Krupp-Zeche Amalie. Deut. med. Wschr., 1940, **66:** 656–8.—**Szabó, I.** Arbeiter-Wohlfahrts-, Arbeiterschutz- und sanitäre Einrichtung bei den Tatabányaer (Totis) Bergwerken. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 506–10.—**Takács, A.** Sanitäre Verhältnisse und Arbeiterwohlfahrts-Einrichtungen in den Bergwerken der Salgótarjáner Steinkohlen Bergbau A. G. Ibid., 709–11.—**Uhlig & Gudzent.** Das Knappschafts-Krankenhaus in Steele a. d. Ruhr. Zschr. ges. Krankenhauswes., 1928, **24:** 391–4.—**West, R. M.** Miners' hospital of northern Cambria, Spangler. In her Hist. Nurs. Pennsylvania, 1939, 509–11.

—— Industrial hygiene.

Lauenstein, H. *Das Katathermometer in der Gewerbehygiene mit besonderer Berücksichtigung des Kalibergbaus. 26p. 8° Gött., 1931.

Dreosti, A. O. Industrial medicine in the Witwatersrand gold mines. Leech, Johannesb., 1936, **7:** No. 2, 5–11.—**Sayers,**

R. R. Industrial health activities of the United States Bureau of Mines. Clinics, Phila., 1943–44, 2: 762–70.

—— Injury.

See also **Mine,** Accidents; **Miner,** Accidents.

Friedrich, A. *Die für Kohlenbergbau eigentümlichen Verletzungen unter besonderer Berücksichtigung des Saargebietes [Heidelberg] 41p. 22cm. Würzb., 1934.

Fuest, H. *Charakteristische Verletzungen im Eisen- und Hüttenbetrieb [Heidelberg] 16p. 8° Bruchsal (Baden) 1935.

Sebold, H. *Charakteristische Verletzungen im Kokerei- und Nebenbetrieb [Heidelberg] 36p. 22cm. Düsseld., 1938.

Alessandria, P., & Betocchi, G. Accidents du travail dans les solfatares de Sicile et dans les nouveaux centres miniers de l'Istrie et de la Sardaigne; accidents du travail et maladies tropicales dans l'Afrique Orientale italienne. Arch. mal. profess., Par., 1939, **2:** 44.—**Becker, J.** Ueber stumpfe Bauchverletzungen bei Bergleuten. Med. Klin., Berl., 1941, **37:** 861; 913.—**D'Ambrosio, F.** Del rischio professionale negli operai delle miniere dell'Elba (studio statistico su 5506 infortuni) Rass. previd. sociale, 1930, **17:** No. 11, 23–58.—**Dubrov, J. G.** Borba s travmatizmom v ugolnoj promyślennosti. Feldsher & akush., 1949, No. **7,** 7–11.—**Fatal** accidents in coal mines, 1946. Indust. Safety Surv., Montreal, 1947, **23:** 143.—**Fatalities** and injuries by causes in metal mines during year 1915. Proc. Nat. Safety Counc., 1917, **6:** 1447.—**Fay, A. H.** Metal-mine accidents in the United States during the calendar year 1915. Am. J. Pub. Health, 1916, **6:** 1235.—**George, W. E.** Medical examination and compensation of miners for industrial injury; the development of the system at Broken Hill, New South Wales. Occup. Med., 1947, **4:** 68–85.—**Hanaut, A.** Les accidents du travail dans les mines. Arch. mal. profess., Par., 1946, **7:** 56–61.—**Industrial** injuries in mining and quarrying, 1930–39. Month. Labor Rev., 1940, **51:** 1417–21.—**Isinisi, S.** Kō-nai sōsyō tiryō-hō no iti kōsatu [A study on methods of treatment of wounds in mines] Jap. J. Se. Labor, 1938, **15:** 326.—**Maeta, T., Iwamoto, T., & Yasima, M.** Zyōban tankō Yumoto-kō kōsyō kanzya tōkei [Statistics on the public injuries at the Yumoto shaft of the Zyōban coal mine] Tōhoku igaku zassi, 1949, **41:** 130–5.—**Mereu.** Infortuni sul lavoro alla Miniera Argentiera (Sassari) (quinquennio 1909–13) Med. nuova, 1913, **4:** 301–6.—**Phillips, W. L.** The treatment of penetrating chest wounds, empyema, and pulmonary tuberculosis. Proc. Transvaal Mine M. Off. Ass., 1941–43, **22:** 129–59.—**Porcu-Maccioni, G.** Rilievi statistici e critici sulla distribuzione delle lesioni da infortunio nella mano, fra gli operai delle miniere di Sardegna, con particolare riguardo al dito pollice. Rass. previd. sociale, 1929, **16:** No. 2, 8–17.—**Sayers, R. R.** The care of the injured miner. Nation's Health, Chic., 1923, **5:** 293.—**Shcherbakov, F. S.** [Open fractures of the long tubular bones in miners] Ortop. travmat., Kharkov, 1937, **11:** 60–5.—**Vossenaar, A. H.** [Fractures in the mining industry] Ned. tschr. geneesk., 1929, **73:** pt 1, 3860–4.—**Watkins, A. P.** Post-operative treatment of mine injuries. Proc. Transvaal Mine M. Off. Ass., 1928–29, **8:** No. 92, 1–6.

—— juvenile.

Act of 1842 regulating employment in mines. In: Child & State (Abbott, G.) Chic., 1938, **1:** 169–73.—**Erlass** des Generalbevollmächtigten für den Arbeitseinsatz, betr. Beschäftigung von Jugendlichen in Bergbaubetrieben. Reichsgesundhbl., 1943, **18:** 372.

—— Medical care.

See also **Mine,** Medical service.

New York, N. Y. Bureau of Cooperative Medicine. Medical care in selected areas of the Appalachian bituminous coal fields. 55p. 21½cm. N. Y., 1939.

United States. Coal Mines Administration. A medical survey of the bituminous-coal industry. Supplement: The coal miner and his family. 244p.; 67p. 29cm. Wash., 1947.

Brock, R. S. The colliery doctor. Med. Press & Circ., Lond., 1941, **206:** 49–51.—**Bryce, L. W.** List practice in the coal fields. Med. Econom., 1940–41, **18:** No. 11, 36–41.—**Capel, E.** Medical and nursing care of miners. Nurs. Mirror, Lond., 1948, **87:** No. 2244, Suppl., p. iv.—**Chenet, S.** Au sujet de la médecine des mines. Médecin fr., 1946, **6:** 294.—**K., W.** Aus meiner Bergbauernpraxis; Erinnerungen eines alten Arztes. Deut. Aerztebl., 1943, **73:** 144–6.—**McLagan v. Blackball** Coal Company [free medical treatment] New Zealand Workers Compens. Cases (1925) 1926, 34.—**Medical** services for miners. Lancet, Lond., 1942, **1:** 747.—**Medical** (A) survey of the bituminous-coal industry. J. Am. M. Ass., 1947, **134:** 537–41.—**Miller, A.** Valedictory address. Proc. Transvaal Mine M. Off. Ass., 1943–44, **23:** 145–9.—**Moore, K. R.** Medical supervision of mine employees in Western Australia. Health Bull., Melb., 1934, **12:** 95–9.—**Sickness** and medical care in a coal-mining area in Arkansas. Month. Labor Rev., 1940, **51:** 1421–4.—**Stacy, C. B.** Medical service in the coal fields. Indust. M., 1949, **18:** 253–6.—**Thompson, A. G.** Medical care of native gold miners; how health and welfare are maintained. Hosp. & Health Management, Lond., 1950, **13:** 82–7.—**Transvaal** Mine Medical Officers' Association. S. Afr. M. J., 1938, **12:** 602–5.—**Williams, R. W.** Medicine and law underground. Health Horizon, Lond., 1946, Nov. No., 15–8.—**Zemplényi.** Megjegyzések Karosaa-Pfeiffer dr. cikkére. Népegészégügy, 1942, **23:** 1326–8.

—— Medical problems.

Beaumont, W. Medical problems in industry; medicine and the colliery. Brit. J. Phys. M., 1944, **7:** 56.—**Cope, C. L.** Research on human problems in the National Coal Board. J. R. San. Inst., 1948, **68:** 511–6. ——— **Atkins, J. B., & Capel, E. H.** Discussion on the medical problems of the coal-mining industry. Ibid., 511–31.—**Fisher, S. W.** Medical aspects of coal-mining. Proc. R. Soc. M., Lond., 1944–45, **38:** 59–64.—**Mengel, S. P.** Some medical and surgical problems and their solutions, from the point of view of the mining surgeon. Proc. Conf. Indust. Phys. Surg., 1918, **5:** 1–6, Disc., 13.

—— Metabolism.

Granati, A., & Busca, L. Il costo energetico del lavoro nelle miniere di carbone in Carbonia. Q. nutriz., Bologna, 1941–42, **8:** 1–34.—**Granati, A., & Peretti, G.** Glicemia e massimo possibile consumo di ossigeno all'inizio ed alla fine del lavoro, negli operai delle minere di carbone. Boll. Soc. ital. biol. sper., 1940, **15:** 1083–5.—**Kuroda, K.** Tanzan ni okeru toki tankikan rōdō no ketueki suibun-ryō ni oyobosu eikyō [Effect on the amount of water in the blood of short periods of work in the coal mines during the winter] Kōsei kagaku, 1943, **4:** 342–9. ——— **Yamamoto, K., & Hirano, E.** Tanzan suiketu-syō ni kan-suru kenkyū [Studies on hydremia in coal-miners] Igaku & seibutugaku, 1944, **5:** 290; 367; 387.—**Maeta, T., Iwamoto, T., & Yasima, M.** Zyōban tankō rōmusya no ketueki suibun-ryō (ryūsan-dō-hō) [The blood-water amount of the miners of the Zyōban mine] Tōhoku igaku zassi, 1949, **41:** 71–3.—**Nakamura, T., & Akaike, M.** Kō-nai sagyō-sya no nyō-syoken [Observations on the urine of workers in a coalmine] Ibid., 118–24.

—— Morbidity, and mortality.

See also subheading (Disease)

Neymann, B., & Freudenberg, K. Morbidität und Mortalität der Bergleute im Ruhrgebiet. 200p. 8° Essen, 1925.

Marsch, E. Gesundheit und Krankheit im Bergbau; Untersuchungen über Krankheitshäufigkeit und Fehlerbelastung der wichtigsten Krankheitsarten in einem Steinkohlenrevier. 91p. 23cm. Stuttg., 1942.

Forms No. 4, Schr. Arbeits &c. Med.

Allen, F. J. Morbidity and mortality on coal and gold mines for 1941. Proc. Transvaal Mine M. Off. Ass., 1943, **23:** 59–64. ——— Comparison of morbidity and mortality rates of different collieries. Ibid., 64–70.—**Běhounek, F., & Fořt, F.** Hornická nemoc jáchymovská. Cas. lék. česk., 1941, **80:** 693–8.—**High** mortality on the collieries. Proc. Transvaal Mine M. Off. Ass., 1928–29, **8:** No. 90, 6–8.—**Mining** and quarrying. In: Decen. Suppl. Reg. Gen. Gr. Britain (1931) 1938, pt IIa, 80–8.—**Montesano, G.** Morbilità e mortalità fra minatori di una miniera in montagna. Med. lavoro, 1942, **33:** 202–10.—**Mortality** amongst mine natives. Proc. Transvaal Mine M. Off. Ass., 1927–28, **7:** No. 9, 3–6.

—— Nursing care.

Cunningham, P. J. Visiting the miner. Nurs. Times, Lond., 1948, **44:** 314.—**Nursing** the miners. R. N., Rutherford, 1949–50, **13:** No. 2, 40–5.—**Shirey, R. T.** Nursing miners and their families; the Koppers Coal nursing service. Am. J. Nurs., 1944, **44:** 347–50.

—— Nutrition.

Abe, T. Syōwa 3 nen Kyūsyū bō-tankō zyūgyōin-kan ni boppatu-seru kakke dai-ryūkō no tōkei-teki kansatu [Statistical observations on a great epidemic of beriberi that broke out suddenly among the workers in a certain coal-mine in Kyūsyū in 1928] Zitti ika to rinsyō, 1933, **10:** 87; passim.—**Alimentação** dos operários que trabalham no sub-solo (mina de Morro Velho) e as medidas que se impõem à sua indispensável correção. Hora med., Rio, 1941, No. 45, 11–45.—**Brock, R.** The diet of colliery workers in war time. Med. Press & Circ., Lond., 1942, **207:** 154–9.—**Cunto, M. de.** Panorama alimentar dos trabalhadores do sub-solo; minas de ouro de Nova Lima. Rev. brasil. med., 1948, **5:** 353; 457.—**Davies, I. J.** The diet of miners in war time. Med. Press & Circ., Lond., 1943, **209:** 263; 1944, **211:** 214. Also Mod. Treat. Yearb., 1944, **10:** 206–9.—**Food** and the miner. Lancet, Lond., 1947, **1:** 260.—**Fox, F. W.** The mine native diet inquiry. Proc. Transvaal Mine M. Off.

Ass., 1934–35, **14**: 34–6. ——— **Dangerfield, L. F.** [et al.] Vitamin C requirements of native mine labourers; an experimental study. Brit. M. J., 1940, **2**: 143–7.—**Fox, F. W., Fleischer, S. R.** [et al.] The food and feeding of mine native laborers. Proc. Transvaal Mine M. Off. Ass., 1941, **22**: 23–30.—**Goldsmith, A. W.** The mine medical officer aspect. Ibid., 30–38.—**Katō, S.** Tankō eiyō kaizen ni kan-suru tyōsa kenkyū; keika no gaiyō narabi-ni syokubutu tyōsa seiseki no iti-ni [Investigations on the improvement of the nutrition of coal-miners; outline of the investigations and some results in the investigation on food] Jap. J. Nutr., 1948, **6**: 102–6.—**Loeser, H. A.** Diet of mine natives. Transvaal M. J., 1911–12, **7**: 152–63.—**Metabolism** of the anti-scorbutic vitamin by native mine labourers. Annual Rep. S. Africa Inst. M. Res., 1939, 24–30.—**Mitra, K.** Dietary and physique of mining population in Jharia coal fields, Bihar. Ind. J. M. Res., 1941, **29**: 143–56.—**Póvoa, H.** Alimentação dos mineiros. Impr. méd., Rio, 1943–44, **19**: No. 361, 27–34.—**Williams, L. S.** The food and feeding of mine native labourers. Proc. Transvaal Mine M. Off. Ass., 1941, **22**: 1–15, ch.—**Zemplényi, I.** Bányászok élelmezése és egészségügye. Népegészségügy, 1942, **23**: 1006–10.

—— Nystagmus.

See **Miners' nystagmus.**

—— Poisoning.

See also **Lead poisoning; Mine,** Gases.

Diebitsch, J. M. E. K. *Der Einfluss der Kohlensäure-Einatmung auf Bergleute. 31p. 8° Bresl., 1913.

Chartschenko, N. S. Wirkung der Schachtgase auf den Organismus; die Wirkung von CO auf das Atemvolumen, auf die Reflexerregbarkeit und auf den Muskel in situ. Arbeitsphysiologie, 1932–33, **6**: 433–6.

—— Rehabilitation.

See also **Miner,** disabled.

Davis, S. B. Rehabilitation of miners. Brit. J. Phys. M., 1949, **12**: 139–43, illust.—**Restoring** the injured miner. Brit. M. J., 1943, **2**: 553.

—— Rescue.

See also **Mine,** First aid.

Grove, G. W. Suggested procedure for conducting first-aid and mine rescue contests. 51p. 22½cm. Wash., 1937.

Forms Techn. Paper 579, U. S. Bur. Mines.

International mine-rescue standardization conference [St Louis, 1921] Mine rescue standards; a tentative study. 44p. 23cm. Wash., 1923.

Forms No. 334, Techn. Paper, U. S. Bur. Mines.

Cannaday, J. C., Teague, V., & Ledbetter, J. H. Life saving system. U. S. Patent Off., 1942, No. 2,299,793.—**Jones, W. I.** Red Cross relief in a mine disaster. Red Cross Courier, 1930, **9**: No. 9, 15.—**Meyer, G.** Rettungswesen in Bergwerken. Deut. med. Wschr., 1906, **32**: 924–6.—**Rescue** training station. Proc. Transvaal Mine M. Off. Ass., 1944–45, **24**: 63.

—— Social security.

See also subheading (Health insurance)

Coucke, C. Considérations sur la sécurité sociale minière. Médecin fr., 1949, **9**: 142–4.—**Magyar** (A) köztársaság kormányának 5.980/1948. Korm. számú rendelete a bányatárspénztárak szövetsége tárgyában. Népegészségügy, 1948, **29**: 462.—**Orosco, G.** Problemas médico-sociales del minero. Prensa méd. argent., 1945, **32**: 257–70.—**Peloncini, M.** Certezza dell'avvenire per i minatori cecoslovacchi. Natura & vita, Milano, 1947, **2**: 267–9.—**Voluntary** insurance in South African Mines. Med. Care, 1944, **4**: 313.—**Zemplényi, I.** Az országos bányatárspénztár feladatai. Népegészségügy, 1948, **29**: 210–2.

—— Welfare.

Kuczynski Godard, M. H., Avila L., N., & Arrué, A. Estudios médico-sociales en minas de Puno con anotaciones sobre las migraciones indígenas. 98p. 24cm. Lima, 1945.

Williams, R. C. Miners' safety and health almanac for 1920. 51p. 24½cm. Wash., 1919.

Forms No. 26, Miners Circ. U. S. Bur. Mines.

Bergarbeiterbewegung (Die) in Grossbritannien und in Deutschland. Soziale Prax., 1912, **21**: 673–82.—**Children** in an anthracite coal-mining district. In: Child & State (Abbott, G.) Chic., 1938, **1**: 377–82.—**Children** in a bituminous coal-mining district. Ibid., 382–4.—**Children** in the Kentucky coal fields. Ibid., 384–7.—**Feil, A.** Les oeuvres sociales dans les Ardoisières. Progr. méd., Par., 1935, 1909–13. ——— La protection des ouvriers mineurs. Presse méd., 1940, **48**: 443.—**Guillemin, J.** Les oeuvres sociales dans les mines domaniales de potasse d'Alsace. Rev. hyg. méd. social., 1932, **11**: 214–6.—**Improving** the miner's lot. Lancet, Lond., 1935, **2**: 435.—**Kemp, C. G.** Les plans et la construction pour le bien-être des houilleurs. Méd. usine, Par., 1949, **11**: 548.—**Miners'** welfare activities in Great Britain. Month. Labor Rev., 1944, **58**: 765.—**Welfare** provisions for miners in six foreign countries. Ibid., 194 **62**: 862–7.

—— Working capacity.

See also other subheadings (disabled; Disease: Forensic aspect; Rehabilitation)

Granati, A., & Peretti, G. Valutazione della capacità lavorativa degli operai nelle miniere di carbone, attraverso lo studio del massimo possibile consumo di ossigeno. Arch. sc. biol., Bologna, 1940, **26**: 154–60.—**King, E. J., & Hart, F. D.** Prognosis of coal-miners. Brit. M. J., 1945, **2**: 194.

—— Working conditions.

See also **Mine,** Conditions, and health survey.

Oliveira, O. G. de. Condições so trabalho humano nas minas de carvão de Arroio dos Ratos e Butiá; dados colhidos através de uma inspeção realizada entre 19–2–44 a 2–3–44. p.65–158. 26½cm. Rio, 1948.

Arq. hig., Rio (1945) 1948, **15**:

B., D. Physiological and psychological effects of high temperature and humidity in mining and metallurgical works. Nature, Lond., 1949, **164**: 513.—**Cope, C. L.** Human factors in industry; working conditions; coal mining. Advance. Sc., Lond., 1948, **5**: 99–101.—**Denis, H.** De la limitation des heures de travail dans les mines. Rev. psychol., Brux., 1909, **2**: 37–53.—**Freise, F. W.** Beeinflussung der Gesundheit von Bergleuten durch Arbeiten auf grosser Teufe; Beobachtungen beim brasilianischen Bergbau. Arch. Gewerbepath., 1930–31, 620–33.—**Hasse, A.** Leistung und klimatische Bedingungen im Bergbau. Arbeitsphysiologie, 1934–35, **8**: 455–75.—**Kikuti, S.** Kō-on kō-situ kōnai rōmusya no rōdō seiri ni kan suru kenkyū [Studies on the physiology of the labourers working in high temperature and high humidity in mines] Tōhoku igaku zassi, 1949, **41**: 1–27.—**Kisine, T., Sutō, K., & Simizu, T.** Seppa sagyō-tyū ni okeru ketueki oyobi nyō no hendō ni tuite [Changes in the blood and urine (conditions) of the people engaging in work in mines in very cramped quarters] Ibid., 76–8. ——— Kō-on kō-situ kōnai sagyō ni yoru hirō oyobi vitamin B_1 narabi-ni C ketubō ni tuite [The fatigue due to the mine work in high temperature and humidity and deficiency in vitamins B_1 and C] Ibid., 79–81.—**Labor** conditions in coal mines. 19th century [Illust.] In: Civiliz. & Disease (Sigerist, H. E.) Ithaca, 1943, opp. p. 44.—**Langlois, J. P.** Les conditions physiologiques du travail dans les mines. C. rend. Ass. fr. avance. sc. (1910) 1911, **39**: T. 4, 172–6. Also Séance Congr. Ass. fr. avance. sc., 1910, 39. Congr., 189.—**Rochaix, A.** Travail dans les mines. In his Traité hyg., Par., 1946, **1**: 937–41, illust.—**Sibuya, H.** Kō-on kō-situ-ka ni okeru kōnaihu no nyō syoken narabi-ni Donaggio hannō ni tuite [Observations of the urine of the miners working in high temperature and high humidity and their Donaggio reaction] Tōhoku igaku zassi, 1949, **41**: 38; passim.—**Vernon, H. M.** The effect of atomspheric conditions on efficiency in deep mining. Annual Rep. Indust. Fatigue Res. Bd, Lond. (1922) 1923, **3**: 59.—**Weiner, J. S.** Observations on the working ability of Bantu mineworkers with reference to acclimatization to hot humid conditions. Brit. J. Indust. M., 1950, **7**: 17–26.—**Working** conditions in hot and deep mines; Empire Mining Congress. Brit. M. J., 1949, **2**: 592.

—— Work physiology.

Burton, A. C. Kaiser-Wilhelm-Institut für Arbeitsphysiologie; physiology of exercise and application to industry, particularly mining [v. p.] 39p. 25cm. Lond., 1945.

Forms No. 83, Item 24, BIOS Final Rep., Lond.

Akaike, M. Tankō rōmusya no ketuatu ni tuite [The blood pressure of laborers in coal mines] Tōhoku igaku zassi, 1949, **41**: 125–9.—**Ladell, W. S. S.** Some physiological observations on West African coal miners. Brit. J. Indust. M., 1948, **5**: 16–20.—**Muller, T. F., & Moss, K. N.** A further study of the physiological aspect of a miner's work. Nutrit. Abstr., Aberdeen, 1941–42, **11**: 254.—**Ninomiya, H.** Tankō ni okeru kō-nai rōdō ga rōmu-sya sintai ni oyobosu eikyō ni tuite [The effect of labor in the mine-shafts of coalmines on the bodies of the laborers] Jap. J. Sc. Labor, 1938, **15**: 553–6.—**Peretti, G., & Granati, A.** La gettata cardiaca durante il lavoro nelle miniere di carbone. Arch. sc. biol., Bologna, 1940, **26**: 149–53. ——— Il rendimento del lavoro muscolare negli operai delle miniere. Boll. Soc. ital. biol. sper., 1940, **15**: 1115. ——— Variazioni del Q. R. e della utilizzazione dei principi nutritivi nel lavoro muscolare, studiate sugli operai delle miniere di carbone durante l'intero turno di lavoro. Ibid., 1116–9. ——— Il rendimento del lavoro muscolare negli operai delle miniere di

carbone. Q. nutrlz., Bologna, 1941–42, 8: 219–26.—**Stepanov, A. E.** [Changes in body weight, dynamo-and spirometry and pulse frequency in miners doing 6-hour work in the mines] In: Sbornik N. I. Goritzontov, Novosibirsk, 1935, 209–13.

MINERAL deficiency.

See also **Deficiency disease**; also under names of inorganic elements.

LEROUX, M. *Contribution à l'étude des carences minérales. 48p. 8° Par., 1932.

PASSWEG, J. *Etude des carences minérales alimentaires. 40p. 8° Par., 1936.

Arias Vallejo, E. Los elementos minerales y sus estados de carencia. Sem. méd. espan., 1944, 7: 1–18.—**Freudenthal, P.** Nogle studier over A-vitaminmangel og mineralstofmangel samt konsekvenserne af disse. Forh. Med. selsk. København, 1935–36, 39–45.—**Greenberg, D. M.** Minerals in nutrition and possible mineral deficiencies. Papers U. S. Conf. Nutr. Nat. Defense, 1941, 5.—**Guy, W. B.** Mineral deficiency diseases. Bull. Off. Pract., 1938–39, 12: 61; passim.—**Hall, D. C.** Evidences of mineral deficiency in the Northwest. Proc. Pacific Sc. Congr. (1939) 1943, 6. Congr., 6: 701–4.—**Kruse, H. D., Butler, A. M.** [et al.] Round table discussion on vitamin and mineral deficiencies. J. Pediat., S. Louis, 1941, 18: 128–41.—**New** (A) study shows diets are low in minerals and vitamins. Progr. Nutrit., N. Y., 1945, 7: 2.—**Veselkin.** Izsledovanija nad mineralnym golodaniem. Tr. Obshch. russ. vrach. Pirogova, 1904, 9. sess., 123.—**Vitamin** and mineral deficiencies. Brit. M. J., 1941, 1: No. 4191, Advt., 21.

—— Calcium and phosphorus.

See **Blood calcium,** Deficiency.

—— Children.

Bergamini, M. Carenza parziale minerale nel bambino allattato artificialmente. Acta paediat., Upps., 1938, 22: 167.—**Robertson, E. C.** Intestinal stasis due to low mineral intake. Am. J. Dis. Child., 1937, 53: 500–9.

—— Dental aspect.

Coughlan, J. S., jr. Remineralization. Tufts Dent. Outlook, 1946, 20: No. 4, 2–5.—**Fox, F. W.** Minerals in the diet and our teeth. S. Afr. M. J., 1934, 8: 517–9.—**Freeman, S., & Skillen, W. G.** Tooth disturbances in a case of chronic hypocalcemia. J. Dent. Res., 1943, 22: 211.—**Gardner, B. S.** The prosthodontist's interest in the mineralization and demineralization of bone. J. Am. Dent. Ass., 1935, 22: 995–9.—**Jones, M. R.** Studies on inorganic salt metabolism; the effect of faulty diet on the dentition of brood bitches, and the dental and skeletal development of their offspring. J. Dent. Res., 1929–30, 10: 281–312, illust. ——— & **Simonton, F. V.** Mineral metabolism in relation to alveolar atrophy in dogs. J. Am. Dent. Ass., 1928, 15: 881–911.—**Kérébel, B.** Le problème de la déminéralisation dentaire. Inform. dent., Par., 1948, 30: 1312; 1354.—**Weinmann, J. P., & Schour, I.** Experimental studies in calcification; the effect of a rachitogenic diet on the dental tissues of the white rat. Am. J. Path., 1945, 21: 821–31, incl. 2 pl. ——— The effect of a rachitogenic diet on the alveolar bone of the white rat. Ibid., 833–55, incl. 5 pl.

—— experimental.

Bernhardt, K. S. Phosphorus and iron deficiencies and learning in the rat. J. Comp. Psychol., 1936, 22: 273–6.—**Brooke, R. O., & Smith, A. H.** Inorganic salts in nutrition; the mineral metabolism of rats receiving a diet low in inorganic constituents. J. Biol. Chem., 1933, 100: 105–24.—**Emerique, L.** Influence de déséquilibres minéraux du régime alimentaire sur la croissance du rat blanc et sa composition chimique (variations du potassium et du calcium) Bull. Soc. chim. biol., Par., 1933, 15: 1221–34.—**Eppright, E. S., & Smith, A. H.** The influence of specific mineral deficiencies on the growth of body and organs of the rat. J. Nutrit., 1937, 14: 21–33.—**Fraser, H. F.** A chronic deficiency of calcium, vitamin C, and both calcium and vitamin C in monkeys. Pub. Health Rep., Wash., 1942, 57: 959–67.—**Hall, R. P., & Cosgrove, W. B.** Mineral deficiency as a factor in limiting growth of the ciliate, Glaucoma piriformis. Anat. Rec., 1942, 84: 544 (Abstr.)—**Kriss, M., & Smith, A. H.** The respiratory metabolism of rats receiving a diet deficient in inorganic constituents; the change in basal metabolism. J. Nutrit., 1937, 14: 487–501. ——— The change in total energy metabolism of rats receiving a diet deficient in inorganic constituents. Ibid., 1938, 16: 375–84.—**Leutsky, C. M.** Pellagra-like lesions produced in mice by mineral deficiencies. Lancet, Lond., 1937, 2: 1421–3.—**Orent-Keiles, E., & McCollum, E. V.** Mineral metabolism of rats on an extremely sodium-deficient diet. J. Biol. Chem., 1940, 133: 75–81.—**Orten, J. M., Smith, A. H., & Mendel, L. B.** Relation of calcium and of iron to the erythrocyte and hemoglobin content of the blood of rats consuming a mineral deficient ration. J. Nutrit., 1936, 12: 373–85.—**Schrader, G. A., Prickett, C. O., & Salmon, W. D.** Symptomatology and pathology of potassium and magnesium deficiencies in the rat. Ibid., 1937, 14: 85–106, 2 pl.—**Schultz, R. V.** A study of certain effects in the rat produced by diets deficient in mineral salts. Yale J. Biol., 1929–30, 2: 115–22.—**Smith, A. H., & Schultz, R. V.** Effects of diet poor in inorganic salts on certain organs and blood of young rats. Am. J. Physiol., 1930, 94: 107–17.—**Smith, P. K., & Smith, A. H.** The acid-base balance in the serum of rats, with particular reference to the effects produced by a diet low in inorganic constituents. J. Biol. Chem., Balt., 1934, 105: p. lxxxi.—**Yudkin, A. M., Farquhar, L. R., & Wakeman, A. J.** Some abnormalities in rats subsisting on diets poor in mineral nutrients. Arch. Path., Chic., 1934, 17: 40–5.

—— Geography.

Castro, J. de. Metabolismo dos sais minerais nos trópicos; carências minerais no Brasil. Med. cir. farm., Rio, 1945, 535–44.—**Pal, J. C.** Deficiency of some minerals and protein in Bengali diets. Ind. M. J., 1938, 32: 636.

—— Pathology.

Emerique, L. Composition chimique minérale du rat blanc carencé en vitamine A; influence de certains déséquilibres minéraux alimentaires. Bull. Soc. chim. biol., Par., 1933, 15: 1235–8.—**Follis, R. H.,** jr. Pathologic effects produced by deficiency of single metallic and nonmetallic elements. Arch. Path., Chic., 1942, 34: 451–68.—**Mellanby, E.** Further observations on bone overgrowth and nerve degeneration produced by defective diet. J. Physiol., Lond., 1939, 96: Suppl., 36.—**Schmitt, H. G.** Ernährungsschäden am Knochen des Erwachsenen. Med. Klin., Münch., 1947, 42: 505–9.—**Smith, A. H., & Swanson, P. P.** Blood changes induced by diets defective in inorganic constituents. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 248.—**Thielmann, F.** Ueber das Verhalten des normalen menschlichen Organismus bei Mineralmangel. Arch. exp. Path., Lpz., 1926, 116: 261–71.

—— Physiopathology.

Cohn, E. T., & Greenberg, D. M. The biochemistry of mineral deficiency; mineral balances. Fed. Proc., Balt., 1942, 1: pt 2, 106 (Abstr.)—**Colglazier, M. C.** The effect of mineral deficiency states upon the cardio-vascular system. Med. Woman J., 1950, 57: 40–2.—**Famiani, V.** Sul comportamento del ricambio azotato e dell'eliminazione urinaria del Cl, S, P e Ca nell'alimentazione deficiente in sostanze minerali. Fisiol. & med., Roma, 1943, 14: 207–12.—**Kanamori, T.** Experimentelle Untersuchungen über den Einfluss vitaminreicher, mineralstoffarmer Ernährung auf den Stoffwechsel und die Lage des Harnquotienten C:N. Biochem. Zschr., 1926, 175: 318–29.—**Kriss, M., & Smith, A. H.** Oxidative changes induced by a mineral deficient diet. J. Nutrit., 1938, 16: 385–93.—**Kuiken, K. A.** A study of the effect of deficiencies in copper and iron on the catalase activity of rat tissues. Abstr. Theses Univ. Pittsburgh, 1944, 149–55.—**Robertson, E. C., & Doyle, M. E.** Intestinal stasis in low mineral diets. J. Nutrit., 1935, 9: 553–67.—**Sjollema, B.** The desirability of studies on mineral deficiencies in the tropics. Acta Conv. trop. malar. morb., 1938, 1: 134–8.

—— Salt depletion.

See also **Chlorine,** Metabolism: Disorders.

Elkinton, J. R., Danowski, T. S., & Winkler, A. W. Hemodynamic changes in salt depletion and in dehydration. J. Clin. Invest., 1946, 25: 120–9.—**Flachsland Siburu, E. H.** El síndrome de carencia de sales; fisiopatología, sintomatología, diagnóstico y tratamiento médico. Rev. méd. quir. pat. fem., B. Air., 1944, 23: 836–42.—**Galbraith, A. J.** Water and salt depletion. Brit. M. J., 1947, 1: 503.—**Hino, S.** Eiyō-sittyō-syō ni okeru syokuen taisya [Metabolism of salt in malnutrition] Rinsyō naika syōnika, 1947, 2: 73.—**Kerry, R.** Water and salt depletion. Brit. M. J., 1947, 1: 781.

—— Treatment.

Baccarani, U. Nuovi orientamenti e nuovi aspetti della cura mineralizzante. Gazz. osp., 1926, 47: 721–3.—**Dehaussy, E.** Les syndromes de déminéralisation et leur thérapeutique. Paris, méd., 1929, 73: 318–23.—**Famiani, V.** Sull'importanza delle vitamine nell'alimentazione deficiente in sostanze minerali. Fisiol. & med., Roma, 1942, 13: 193–200.—**Groeck, M.** Die Bekämpfung des Mineralsalzmangels. Med. Welt, 1936, 10: 724.—**Guy, W. B.** Mineral deficiency diseases; mineral therapy. Bull. Off. Pract., 1938–39, 12: 73–7.—**Pessez.** La minéralisation humaine; ses défaillances, sa thérapeutique. Gaz. eaux, 1907, 50: 193; 201.

MINERAL drug.

See also **Medicament; Mineral therapy; Mineral water,** Therapy.

DANO, G. Etude sur cinq médicaments minéraux constitutionnels. 52p. 23½cm. Par., 1937.

Espinosa, C. A. Nomenclatura de las especies químicas minerales. Rev. As. Esc. quím. farm., Quito, 1943, 1: No. 2, 123–51.—**Pavesi, C.** Dei concimi azotati, fosfati e carboniosi. Gior. farm. chim., Tor., 1874, 23: 241–7.

—— colloidal.

Adami, E. Sul meccanismo di azione dei colloidi minerali; azione dell'argento colloidale sulla respirazione dei tessuti. Arch. ital. sc. farm., 1942, **11**: 45–66.—**Schneiderwirth, H. J., & Wilcox, P. W.** Thixotropic mineral gels and their therapeutic possibilities. J. Am. Pharm. Ass., 1947, **36**: 402–6.—**Spagnol, G.** Fattori che modificano la fissazione dei colloidi minerali nell'organismo; azione degli anestetici. Atti Soc. med. chir. Padova, 1927, **5**: 411–7.

—— History.

Nicols, T. Beschreibung der Steine, sowol edels als gemeine; darinnen derer Gestalt, Kräffte, Tugenden, Medicin, Eigenschafften, Preiss und Werth auf das Deutlichste gezeiget wird; samt beygesetzten Warnungen, sich für derer Verfälschung wohl zu hüten. 274p. 16° Culmbach, 1734.

Estreicher, A. Rzecz krótka o gabinecie mineralogicznym Uniwersytetu Jagiellońskiego. Rocz. Wydz. lek., Kraków, 1842, **5**: 42–76.

—— Pharmacology.

Mahn, E. *Ueber die antiphlogistische Wirkung von Mineralsalzen und Nahrungsstoffen [Heidelberg] 9p. 21cm. Würzb.-Aumühle 1939.

Plans y Pujol, F. Lecciones de mineralogia farmacéutica. 2. ed. 171p. 22cm. Barcel., 1870.

Bound with his Lecc. fárm. zool., 2. ed., Barcel., 1870.

Beiglböck, W., & Benda, L. Ueber Untersuchungen der Harnausscheidung bei Mineralsalzverarbeichung. Wien. Arch. inn. Med., 1941–42, **36**: 185–96.—**Caldwell, M. J., & Hughes, J. S.** A suggested explanation for the action of mineral elements on nerve irritability. J. Am. Vet. M. Ass., 1945, **106**: 298–300.—**Charrin, A.** Action des matières minérales sur les échanges et la résistance de l'organisme. C. rend. Soc. biol., 1905, **59**: 112–4.—**Fairbanks, B. W.** What are we to believe about minerals? North Am. Vet., 1938, **19**: No. 12, 47–52.—**Hagemann, O.** Beitrag zur Einwirkung der Mineralsubstanzen auf den tierischen Organismus. Verh. Ges. deut. naturforsch. (1912) 1913, **84**: 2. Teil, 2. Hälfte, 360–4.—**Heilmeyer.** Eisen und Kupfer als Wirkstoffe im Organismus. Deut. med. Wschr., 1947, **72**: 92.—**Keining, E., & Hopf, G.** Ueber Wirkungsweise und Möglichkeiten der Mineralsalztherapie. Med. Klin., Berl., 1937, **33**: 1205–9.—**Mogilnicky, B., Zhdanov, I., & Markuse, K.** [Influence sur les fonctions de la mésenchyme et sur les mésoglies par l'introduction à longue durée des sels minéraux dans l'organisme] J. méd., Kiev, 1935, **4**: 475–82.—**Rubino, F., & Castro, V.** Ricerche sull'ipoalimentazione; influenza delle vitamine e dei sali minerali sui limiti di resistenza all'ipoalimentazione. Boll. Soc. ital. biol. sper., 1948, **24**: 1246–8.—**Sammartino, U.** Azione dei metalli sul ricambio dei glucidi. Arch. farm. sper., 1936, **61**: 209–36.—**Simon, I.** Eliminazione gastrica di NaCl e di Na_2SO_4 in seguito ad iniezioni endovenose di soluzione ipertonica dei due sali. Boll.. Soc. ital. biol. sper., 1939, **14**: 448.—**Starkenstein, E.** Das Problem der humoralen, solidären und zellulären Wirkung und seine Beziehung zur Mineralstofftherapie. Med. Klin., Berl., 1935, **31**: 1260–6.—**Stephan.** Zur therapeutischen Wirkung medikamentöser Mineraliendarreichung Deut. med. Wschr., 1925, **51**: 1365.

—— Phytopharmacological aspect.

Roché, M. E. E. H. *De l'action de quelques composés du règne minéral sur les végétaux. 70p. 4° Par., 1867.

Beraud, P. Sur le processus d'accoutumance des levures aux milieux minéraux. C. rend. Soc. biol., 1941, **135**: 683; 872.—**Deleano, N. T., Popovici, N., & Ionesco, L.** Sur l'influence de quelques sels minéraux sur la catalase des tigues du blé. Bull. Soc. chim. biol., 1937, **19**: 1393–7.—**James, W. O., & Cattle, M.** Studies of the physiological importance of the mineral elements in plants; the influence of potassium chloride on the rate of diastatic hydrolysis of starch. Biochem. J., Lond., 1933, **27**: 1805–9.—**Mazé, P., & Mazé, P. J., fils.** Influence des sels minéraux sur le pouvoir coagulant de la présure. C. rend. Soc. biol., 1941, **135**: 808–10.

—— Preparations.

See also **Mineral therapy,** Transmineralization.

Detlefsen. Anwendung von Aricyl, Tonophosphan und Volkmarschen Mineralstoffpräparaten. Berl. tierärztl. Wschr., 1937, **53**: 561–3.—**Hirsch, P.** Ueber Astromedox, vordem Transformin. Hippokrates, Stuttg., 1939, **10**: 752–5.—**Jung, H.** Die Eigenschaften des Löss und dessen Anwendung in der Heilkunde. Deut. med. Wschr., 1939, **65**: 1164.—**Stejskal, K. v.** Ein Beitrag zur Wirkung des Mineralsalzpräparates Sepdelen bei inneren Erkrankungen. Med. Klin., Berl., 1939, **35**: 1374.—**Ulich, A.** Einige Bemerkungen über den Mineralstoffwechsel und über Halovis, das mineralische Roborans. Schweiz. med. Wschr., 1941, **71**: 1020–4.—**Weichlein, W,** Volkmarsche Mineralstofftherapie. Deut. tierärztl. Wschr., 1935, **43**: 632–4.

MINERAL industry.

See also **Mine;** also under names of minerals and metals.

Bernales, S. E. El enfisema pulmonar, enfermedad adquirida en el trabajo por intoxicación de polvos y gases derivados de los minerales. Actual. méd. peru., 1940–41, **6**: 39–48.—**Industrial** injuries in the mineral industries, 1940. Month. Labor Rev., 1941, **53**: 960.—**Murray, A. L.** Controlling eye hazards in the mineral industries. Proc. Nat. Soc. Prev. Blindness, 1936, 22–31.—**Williams, C. R.** Composition of industrial dusts; foundry dusts. J. Indust. Hyg., 1945, **27**: 110–4.

MINERALIZATION.

See also **Mineral nutrition; Mineral therapy,** Transmineralization.

Albee, F. H. Correlation in the use of mineralized foods and vitamins in treatment. J. Internat. Coll. Surgeons, 1940, **3**: 425–32.—**Becker, J. E.** Increasing food values by mineralization and vitaminization. J. Am. Diet. Ass., 1934–35, **10**: 391–7.—**Corrie, F. E.** Methods of mineral supplementation and the formulation of mixes and bricks. Manuf. Chem., Lond., 1946, **17**: 532–4.—**Dufrénoy, J., & Genevois, L.** L'addition de vitamines et de sels minéraux aux aliments aux Etats-Unis; une politique d'amélioration de l'alimentation nationale. Ann. nutrit., Par., 1947, **1**: 389–424.—**Jukes, T. H.** The fortification of foods with vitamins and minerals. Papers U. S. Conf. Nutr. Nat. Defense, 1941, 21–4.—**McQuarrie, I., & Ziegler, M. R.** Comparison of nutritive value of mineral-enriched meat and milk. Pediatrics, Springf., 1950, **5**: 210–23.

MINERAL jelly.

Syn.: Petrolatum; Vaseline.

Alton, W. H. Emulsion. U. S. Patent Off., 1946, No. 2,409,338.—**Deutsch, W.,** jr. Closure of post-operative wound with irradiated petrolatum; case report. J. Indiana M. Ass., 1935, **28**: 490; p.xix.—**Eising, E. H.** Therapeutic and physical properties of ultraviolet irradiated petrolatum. Ann. Surg., 1931, **93**: 1231–9.—**Golden, M. J.** Qualitative and quantitative determination of peroxides in petrolatum. J. Am. Pharm. Ass., 1949, **38**: 301–4.—**Hollander, L.** Dermatitis produced by petrolatum; report of a case. Arch. Derm. Syph., Chic., 1938, **38**: 49–51.—**Hopkins, J. G.** Schamberg's disease; dermatitis venenata; petrolatum. Ibid., 1941, **44**: 1154.—**Levin, S. J., & Moss, S. S.** Sensitization to petrolatum in ointment bases. Ann. Allergy, 1948, **6**: 579–83.—**Meyer, E.** Petrolatum in pharmaceuticals and cosmetics. Drug & Cosmet. Indust., 1934, **34**: 583. —— Como se emplea el petrolato en la preparación de cosméticos y productos farmacéuticos. Farmacéutico, N. Y., 1946, **22**: 68–70.—**Nasal** inhalant preparation containing petrolatum omitted from New and Nonofficial Remedies. J. Am. M. Ass., 1942, **118**: 378.—**Rhodes, R. K.** New methods for evaluating functional properties of petrolatum. Drug & Cosmet. Indust., 1948, **62**: 43.—**Scheer, B. T., & Fox, D. L.** Attachment of sedentary marine organisms to petrolatum surfaces. Proc. Soc. Exp. Biol., N. Y., 1947, **65**: 92–5.—**Sears, H. J., & Black, N.** The bactericidal properties of ultraviolet irradiated petrolatum. J. Bact., Balt., 1934, **27**: 453–64.—**Trevani, E.** Subkutane Gasbildung als Folge einer mit Petrolat verunreinigten Schnittverletzung. Zbl. Chir., 1937, **64**: 1763–5.—**Zahorsky, J.** Petrolatum as a medicament for children. Arch. Pediat., N. Y., 1943, **60**: 250–5.

—— Vaseline.

Adam, P. Essai des vaselines pharmaceutiques. Ann. pharm., Louvain, 1905, **11**: 450.—**Alvaro-Alberto.** A vaselina nas pólvoras. An. Acad. brasil. cienc., 1940, **12**: 325; passim. —— A vaselina como moderante e como refrigerante. Ibid., 1942, **14**: 229–33.—**Cheval.** Injection de vaseline stérilisée dans la caisse. Bull. Soc. belge otol., 1902, **7**: 65. —— Ampoules-seringues pour injections de vaseline aseptique per tubam. Ibid., 1904, **9**: 66–8.—**Dyban, P. A.** [Substituting American vaseline for ung. cereum] Sovet. vest. oft., 1932, **1**: 545.—**Frieboes, W.** Vaseline- und Teerschädigung der unbedeckten und bclichteten Körperhaut. Derm. Zschr., 1917, **24**: 641–5.—**Gottron, H.** Vaselinoderm (zwei Fälle) Derm. Wschr., 1944, **118**: 63.—**Hoffmann, E., & Habermann, R.** Arzneiliche und gewerbliche Dermatosen durch Kriegsersatzmittel (Vaseline, Schmieröl) und eigenartige Melanodermatitiden Deut. med. Wschr., 1918, **44**: 261–4.—**Jentsch, M.** Beobachtungen beim Vaselinoderm. Derm. Wschr., 1947, **119**: 97–105.—**Kern, W., & Cordes, T.** Untersuchungen über Handelsvaselinen. Arch. Pharm., Berl., 1943, **281**: 23–47, 3 pl.—**Konrad.** Vaselinoderma. Wien. klin. Wschr., 1942, **55**: 697.—**Ruemele, T.** Vaseline und Vaselinöle. Pharm. Zhalle, 1941, **82**: 157–60.—**Shamuilov, B. N., Batkina, K. I., & Benjamović, E. B.** [Vaseline substitutes in surgical practice] Vest. vener., 1937, 194–6.—**[Vaseline]** Ny pharm. tid., Kbh., 1877, **9**:

169; 1882, **14**: 169.— **Ziegenspeck, H.** Polarisationsmikroskopische Versuche mit Vaseline. Bl. Untersuch. &c. Instrum., 1941, **16**: 1–4, illust.

MINERAL metabolism.

See also **Bacteria,** Metabolism; **Blood chemistry,** Minerals; **Ion,** Metabolism; **Metabolism;** also under names of inorganic elements.

CLARK, G. W. Studies in the mineral metabolism of adult man. p.195–287. 23cm. Berkeley, 1926.

In: Univ. California Pub. Physiol., 1926, **5**: Also forms No. 10, Collect. Repr. California Stomat. Res. Gp, 1923–28, **1**:

Asher, D. W. Mineral metabolism. Am. J. M. Techn., 1938, **4**: 132–9.—**Aub, J. C.** Mineral metabolism. Bull. N. York Acad. M., 1934, 2. ser., **10**: 82–94.—**Bansi, H. W.** Betrachtungen über den Mineralstoffwechsel. Klin. Wschr., 1939, **18**: 797–801.—**Berg, R.** Ueber Mineralstoffwechsel. Pharm. Zhalle, 1913, **54**: 1212–6. ——— Untersuchungen über den Mineralstoffwechsel. Zschr. Klin. Med., 1916, **83**: 311–31.—**Bing, F. C.** Mineral metabolism. Cyclop. Med. (Piersol-Bortz) Phila., 1939, **10**: 104–7.—**Browning, E.** Minerals and metabolism. Am. Med., 1928, **23**: 803–6.—**Chown, B.** Studies in mineral metabolism. Canad. M. Ass. J., 1936, **35**: 134–7.—**Enger, R.** Ueber den Mineralstoffwechsel. Zschr. ärztl. Fortbild., 1943, **40**: 373–7.—**Freudenberg, E.** Der Mineralstoffwechsel. Tungchi med. Mschr., 1926–27, **2**: 237–49.—**Hatta, Z.** Kōsitu-taisya ni tuite [Mineral metabolism] Nippon seikagakkai kaihō, 1929, **4**: 41–55.—**Lavrov, B., & Hefter, J.** Obmen veśćestv; mineralnyj obmen. In: Bolsh. med. encikl., 1932, **21**: 727–41.—**Lenzner, C.** Das Geheimnis des Mineralstoffwechsels. Wendepunkt, Zür., 1930–31, **8**: 329–35.—**Pierce, H. B.** Minerals and mineral metabolism. In: Fundam. Nutr. (Hawley & Mast) Springf., 1940, 225–41.—**Scherk.** Ueber Mineralstoffwechsel. S. Peterb. med. Wschr., 1908, **33**: 680.—**Schilling, F.** Mineralstoffwechsel. Ther. Mhefte, 1907, **21**: 351–6.—**Siedek, H.** Ueber Salzstoffwechsel. Wien. klin. Wschr., 1939, **52**: 1013–6.—**Straub, H.** Mineralhaushalt. Balneologe, 1937, **4**: 268–76.—**Thomson, D. L.** Some aspects of mineral metabolism. Tr. Am. M. Ass., Sect. Laryng. Otol. Rhinol., 1935, 27–35.—**Vogt-Møller, P.** Mineralstofskiftet. In: Nord. med. odont. haandb., Kbh., 1943, 87–102.—**Wiechowski, W.** Ueber den Mineralstoffwechsel. Jahrkurs. ärztl. Fortbild., 1926, **17**: H. 8, 1–11.

—— Acid-base equilibrium.

ECKARDT, W. H. J. W. *Ueber den Mineralstoffwechsel des Menschen; Wirkung von Ca- und Mg-Karbonat auf den Säure-Basenhaushalt [Jena] 39p. 21cm. Lengerich i. W., 1937.

FEST, E. *Ueber den Mineralstoffwechsel des Menschen: die Wirkung von Gewürzgurke, Linsen, magerem und fettem Schweinefleisch auf den Säure-Basen-Haushalt. 16p. 21cm. Jena, 1938.

GEHRMANN, H. *Ueber den Mineralstoffwechsel des Menschen; die Wirkung von Phosphorsäure, Ammoniumphosphat, Magnesiumchlorid und Magnesiumphosphat auf den Säure-Basen-Haushalt [Jena] 21p. 22cm. Eisfeld i. Thür., 1938.

HAMBERGER, D. *Ueber den Mineralstoffwechsel des Menschen; die Wirkung von Salzsäure, Ammoniumchlorid und Ammoniak auf den Säure-Basen-Haushalt. 19p. 8°. Jena, 1937.

KLEIN, H. J. *Ueber den Mineralstoffweehsel des Menschen; die Wirkung von Kaliumchlorid, primärem, sekundärem und tertiärem Kaliumphosphat auf den Säure-Basen-Haushalt [Jena] 23p. 22cm. Eisfeld i. Thür., 1938.

KRANERT, H. *Ueber den Mineralstoffwechsel des Menschen; die Wirkung von Kalium-Bicarbonat und Kalium-Acetat auf den Säure-Basenhaushalt unter Berücksichtigung der Vitamin A- und D-Zufuhr. 19p. 8°. Jena, 1936.

LUDWIG, O. *Ueber den Mineralstoffwechsel des Menschen; die Wirkung von Milch, Milcheiweissbrot, Knäckebrot auf den Säure-Basenhaushalt. 18p. 21cm. Jena, 1938.

SCHINDHELM, E. *Untersuchungen über den Mineralstoffwechsel des Menschen; die Wirkung von sekundärem Natriumphosphat und Calciumchlorid und deren Kombinationen auf den Säure-Basen-Haushalt. 20p. 21cm. Jena, 1938.

SEIFF, E. *Ueber den Mineralstoffwechsel des Menschen; die Wirkung von Schellfisch, Quark, Rosenkohl und Bier auf den Säure-Basen-Haushalt. 16p. 20½cm. Jena, 1938.

TAUBERT, M. K. E. *Ueber den Mineralstoffwechsel des Menschen; die Wirkung von Natrium- und Kaliumbikarbonat auf den Säure-Basenhaushalt. 24p. 8°. Jena, 1937.

WAGNER, J. *Untersuchungen über den Mineralstoffweehsel; Wirkung von Ammonsulfat auf den Säure-Basenhaushalt [Jena] 30p. 22cm. Eisfeld i. Thür., 1938.

Dotterweich, H. Die Kalkausscheidungen der Tiere als Regulatoren des Säure-Basengleichgewichts. Forsch. & Fortsch., 1933, **9**: 439.—**Giza, T.** Les rapports réciproques du métabolisme minéral, de l'équilibre acide-base et de la pression osmotique des protéines du sang dans les états oedémateux des enfants. Bull. internat. Acad. polon. sc., cl. méd., 1939, 107–24, 2 tab.—**Nuzzi, P., & Napoli, M.** Influenza del cloruro sodico sull'equilibrio acido-basico. Boll. Soc. ital. biol. sper., 1934, **9**: 987–90.—**Schmitt, F., & Röttger, I.** Beeinflussung des Blutbleispiegels und des Mineralgehaltes von Plasma und Erythrocyten durch Aenderung des Säure-Basengleichgewichtes bei Normalpersonen. Deut. Arch. klin. Med., 1939, **184**: 286–95.

—— Biology.

LE PLAY, A. E. Du rôle des substances minérales en biologie. 133p. 4°. Par., 1906.

Allen, A. M. Rôle of minerals in animal life. Med. World, 1940, **58**: 516–8.—**Asher, L.** Die Mineralstoffe im Lebensgetriebe. Jahrkurs. ärztl. Fortbild., 1932, **23**: 1–19.—**Charrin, A.** Le rôle des matières minérales dans l'organisme. Sem. méd., Par., 1906, **26**: 433–5.—**Herrera, A. L.** Rôle prépondérant des substances minérales dans les phénomènes biologiques. Rev. sc., Par., 1903, 4. ser., **19**: 751–4.—**Hirschler, A., & Terray, P.** Ueber die Bedeutung der anorganischen Salze im Stoffwechsel des Organismus. Zschr. klin. Med., 1905, **56**: 137–84.—**Sheldon, J. H.** The mineral basis of life. Brit. M. J., 1934, **1**: 47–53.

—— Blood urine quotient.

Hermann, S., & Zentner, M. Säurewirkungen und Säureschicksal im Organismus; Bestimmung der Wasserstoffionenkonzentration im Harn und im strömenden Kaninchenblut nach peroraler und intravenöser Zufuhr von Calcium- und Natriumsalzen. Arch. exp. Path., Lpz., 1938, **190**: 309–15.—**Hurka, W.** Die Relationen einwertiger Ionen im Harn und Blut. Biochem. Zschr., 1942–43, **313**: 400–18.

—— Bones.

SCHAPIRA, G. *Le rôle des éléments minéraux en physiologie et en pathologie osseuse. 67p. 24cm. Par., 1941.

Bauer, W., Aub, J. C., & Albright, F. A study of the bone trabeculae as a readily available reserve supply of calcium. J. Exp. M., 1929, **49**: 145–61, 5pl.—**Cartier, P.** Les constituants minéraux des tissus calcifiés; la structure minérale de l'os, de la dentine et du cément. Bull. Soc. chim. biol., Par., 1948, **30**: 65–73. ——— La structure moléculaire du sel de l'os. Ibid., 73–81.—**Dallemagne, M. J.** Le dépot des matières minérales dans l'os en formation. Acta biol. belg., 1942, **2**: 95–9. ——— Réflexions sur la métabolisme minéral des tissus calcifiés. Rev. méd. Liége, 1946, **1**: 77–9.—**Endō, K.** Siryō-nai kōsitu-ryō no henka ni yoru kokkei-sosiki-teki syoken [Histological observations on the changes in bones caused by the changes in the amount of minerals in food] Zika zassi, 1932, 2328.—**Guarnaschelli-Raggio, A., & Gaetano, M.** Comportamento della composizione minerale dello scheletro in rapporto all'introduzione di lipoidi splenici inibenti il midollo osseo. Policlinico, 1942, **49**: Sez. med., 1–7.—**Jones, M. R.** Studies on inorganic salt metabolism in dogs; on certain factors which influence the deposition and resorption of bone. Am. J. Physiol., 1926–27, **79**: 694–707.—**Schmidt, M. B.** Die Beteiligung des Skeletts am Mineralstoffwechsel des Körpers. Schweiz. med. Wschr., 1938, **68**: 856–8.—**Venar, Y. A., & Todd, T. W.** Experiments on the maintenance of mineral density in the skeleton. J. Laborat. Clin. M., 1936–37, **22**: 221–30.

—— Calcium, magnesium, and phosphorus.

See **Calcium,** Metabolism; **Magnesium,** Metabolism.

—— Caloric value.

Escudero, P., Rimoldi, A. A., & Waisman, G. Estudio del valor calórico total y neto y del metabolismo mineral en un niño de tres meses de edad. Rev. As. argent. diet., 1943, **1**: 191–8.

—— Chemistry.

Mead, E. Simplified bio-chemistry; a modern treatise on vital body minerals and their relation to health. 96p. 8° Sioux City, 1922.

Chatron. De l'intérêt du dosage des bases minérales fixes totales dans les liquides de l'organisme. Ann. biol. clin., Par., 1945, **3:** 126.—**Hart, E. B., & Elvehjem, C. A.** Mineral metabolism. Annual Rev. Biochem., 1936, **5:** 271–94.—**Klinke, K.** Mineralstoffwechsel. In: Handb. Biochem. (Oppenheimer, C.) 2. Aufl., Jena, 1936, Ergänz. **3:** 487–530.—**McCance, R. A., & Widdowson, E. M.** Mineral metabolism. Annual Rev. Biochem., 1944, **13:** 315–46.—**Maynard, L. A., & Loosli, J. K.** Mineral nutrition. Ibid., 1943, **12:** 251–72.—**Maynard, L. A., & Smith, S. E.** Mineral metabolism. Ibid., 1947, **16:** 273–90.—**Mirasierra y Sánchez, M. G. de.** Bioquímica y análisis de los elementos inorgánicos de la sangre. Farm. nueva, Madr., 1948, **13:** 8; passim.—**Richards, W. G.** Body minerals. J. Lancet, 1945, **65:** 315–21.—**Schmitt, F.** Die Carboanhydrase und ihre Beziehung zu Mineralvorgängen zwischen Plasma und Erythrocyten. Deut. Arch. klin. Med., 1939, **184:** 300–9.—**Servantie, L.** Modifications biochimiques du sang au cours de la conservation; les échanges minéraux globulo-plasmatiques. J. méd. Bordeaux, 1941, **118:** 263–70.—**Splatt, B.** Some observations on changes in the mineral content of plasma and serum. Med. J. Australia, 1940, **2:** 363–8.

—— Chlorine.

See **Chlorine,** Metabolism.

—— Climatic effect.

Arndt, G. Ueber den Mineralstoffwechsel unter dem Einfluss der Seeklimafaktoren. Verh. Deut. Ges. inn. Med., 1935, 47. Kongr., 569–71. Also Zbl. inn. Med., 1935, **56:** 394–6.

—— Copper and iron.

See **Copper,** Metabolism; **Iron,** Metabolism.

—— Correlations.

Berg, R. Mineralstoffwechsel und Eiweissbedarf. Münch. med. Wschr., 1930, **77:** 66.—**Brock, J., & Hoffmann, A.** Zur Frage der Fettwirkung auf den Säure-Basenstoffwechsel; Untersuchungen unter Berücksichtigung der Stuhlmineralausfuhr. Zschr. Kinderh., 1929–30, **48:** 585–97.—**Kollath, W.** Ueber die Korrelation der Mineralien, Vitamine und Hormone. Ber. Deut. Ges. Zahn &c. Heilk. (1936) 1937, 73. Tag., 2. T., 23–9.

—— Cytology.

Grumme. Zur Frage der synthetischen Fähigkeit der menschlichen und tierischen Zelle; können anorganische Stoffe, insonderheit Mineralsalze, assimiliert werden? Ther. Mhefte, 1919, **33:** 421–32.—**Peters, K.** Are mineral elements building material or builders in cell life? Am. Med., 1926, n. ser., **21:** 776–80.—**Scott, G. H.** Mineral distribution in the cytoplasm. Biol. Sympos., Lancaster, 1943, **10:** 277–89.—**Zondek, S. G.** Die Bedeutung der anorganischen Substanzen für die Funktion der Zelle. Ber. Deut. pharm. Ges., 1922, **32:** 7–15.

—— Disorder.

See also **Acid-base equilibrium,** Disorder; **Acidosis; Alkalosis; Mineral deficiency.**

Cantarow, A. Mineral metabolism. p.174–269. 25cm. Phila., 1942.
In: Dis. Metab. (Duncan, G. G.)

Straub, H., & Beckmann, K. Krankheiten des Wasser- und Salzstoffwechsels, Krankheiten der Nieren und Harnwege sowie der männlichen Geschlechtsorgane. p.1–97. 25½cm. Berl., 1942.
In: Lehrb. inn. Med., 5. Aufl., Berl., 1942, **2:**

Domračev, G. V. Diagnostika mineralnykh narušenij v organizme životnykh. Veterinaria, Moskva, 1949, No. 12, 38, illust.—**Hoff, F.** Störungen des Wasser- und Salzhaushaltes. In his Med. Klin., Stuttg., 1948, 164–85, illust.

—— Disorder: Endocrine aspect.

See also **Diabetes insipidus; Diabetes mellitus.**

Barenghi, G. Le perturbazioni del ricambio minerale nell'insufficienza surrenale. Gazz. med. ital., 1941, **100:** 282–93.—**Panthaleon van Eck, H. van.** De stofwisseling der mineralen tijdens het hypoglyeaemische coma. Ned. tschr. geneesk., 1941, **85:** 2917–26.

—— Disorder: Pathology.

See also under names of specific diseases.

Mach-Perrot, R. S. Les troubles du métabolisme du sel et de l'eau. 248p. 23½cm. Lausanne, 1946.
In his Trouble métab. sel., Lausanne, 1946.

Altschuller, G. Ueber einen Fall von periodisch auftretender isolierter Salzstoffwechselstörung. Zschr. klin. Med., 1932, **120:** 373–85.—**Feuillié, E.** Les troubles du métabolisme acido-basique du chlorure de sodium. Rapp. Congr. fr. méd. (1925) 1926, 18. Sess., **2:** 108–16.—**Pacchioni, D.** Riassunto di contributi italiani allo studio del ricambio minerale del bambino in rapporto alla patogenesi del rachitismo e della tetania. Arch. ital. pediat., 1937, **5:** 297–332.—**Telfer, S. V.** Infantile rickets; the excretion and absorption of the mineral elements and the influence of fats in the diet on mineral absorption. Q. J. Med., Oxf., 1926–27, **20:** 7–25.—**Vidal Vera, A.** Hipocloremia e hipocloruria en el embarazo. Mem. Congr. méd. peninsular (1944) 1945, 2. Congr., 216–28.

—— Distribution of mineral.

Eichelberger, L., & McLean, F. C. The distribution of calcium and magnesium between the cells and the extracellular fluids of skeletal muscle and liver in dogs. J. Biol. Chem., 1942, **142:** 467–76.—**Heischkel, E.** Ueber den Mineralgehalt des elastischen Bandes. Biochem. Zschr., 1934, **272:** 235–45.—**Henckel, K. O.** Sobre la distribución de las substancias inorgánicas en algunos órganos del cuerpo humano según el método de microincineración. Bol. Soc. biol. Concepción, 1929–30, **3:** 73–99.—**Heubner, W.** Mineralgehalt der Stützgewebe. Balneologe, 1934, **1:** 26–8.—**Lematte, L., Boinot, G., & Kahane, E.** La composition minérale des tissus de l'homme et des animaux. Bull. Soc. chim. biol., Par., 1928, **10:** 553–67.—**Schmitt, F., & Basse, W.** Tagesschwankungen der Mineralbewegung zwischen Plasma und Erythrocyten, beobachtet bei Blei, Calcium und Phosphor an Gesunden unter verschiedenen Versuchsbedingungen; Bleigehalt der Galle. Deut. Arch. klin. Med., 1938, **182:** 193–9.—**Snyder, R., & Katzenelbogen, S.** The distribution of sodium, potassium, calcium, magnesium, inorganic phosphorus, and chloride between the blood serum and cells of normal individuals. J. Biol. Chem., 1942, **143:** 223–6.—**Wilkins, W. E.** Sodium, potassium, calcium, magnesium and phosphorus content of skeletal and cardiac muscle, bladder and uterus. Proc. Soc. Exp. Biol., N. Y., 1934, **31:** 1117.

—— Elimination of mineral.

Barkus, O. On the rate of elimination of inorganic salts from the blood stream. Am. J. Physiol., 1924, **69:** 35–40.—**Beigelboeck, W., & Bender, L.** Ueber Untersuchungen der Harnausscheidung bei Mineralsalzverabreichung. Deut. med. Wschr., 1943, **69:** 22 (Abstr.)—**Chatron, M.** Sur l'élimination urinaire des bases minérales fixes totales de l'ammoniaque. C. rend. Soc. biol., 1933, **114:** 1100–2.—**Escudero, P. A., Herraiz, L., & Ameghino, J.** La eliminación de elementos minerales en el hombre sometido a distintas condiciones alimenticias. Tr. Inst. nac. nutr., B. Air., 1939, **4:** 144–60.—**Freyberg, R. H., & Grant, R. L.** Loss of minerals through the skin of normal humans when sweating is avoided. J. Clin. Invest., 1937, **16:** 729–31.—**Kirsner, J. B.** The effect of calcium carbonate, aluminum phosphate, and aluminum hydroxide on mineral excretion in man. Ibid., 1943, **22:** 47–52.—**Lematte, L.** Minéraux de la ration et minéraux des urines du sujet normal. Rev. méd., Par., 1932, **49:** 38–54.—**Ramond, F., & Popovici, D.** Le pouvoir excréteur du tube digestif pour quelques métaux. C. rend. Soc. biol., 1931, **107:** 456–8.

—— Endocrine relations.

See also subheading (Disorder: Endocrine aspect)

Hule, V. Vnitřní sekrece a minerální metabolismus. p.269–328. 21cm. Brno, 1948.
In: Spisy Lék. Fak. Masaryk. Univ., 1948, **21:**

Melli, G. Il metabolismo minerale in rapporto alla funzione paratircidea. 132p. 8° Roma, 1935.

Nisida, S. Muki-enrui taisya yori mitaru dainō-suitai to syosyu naibunpi-sen-seizai to no kankei ni tuite [On the relation of the pituitary body to preparations of the various endocrine glands from the standpoint of the metabolism of inorganic salts] [87]p. 26cm. Tōkyō, 1934–35.
Sei i kwai M. J., 1934, **53:** 847; 1935, **54:** 179.

Aub, J. C., Bauer, W., & Albright, F. The influence of the thyroid and parathyroid glands upon inorganic salt metabolism. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 12.—**Brull, L.** Recherches sur le métabolisme minéral; mécanisme d'action de la parathyroïde sur le métabolisme du phosphore au niveau du rein. Arch. internat. physiol., Liége, 1936, **43:** 253–66.—**Cardoso, D. M.** Suprarrenaes, paratiroides e equilibrio mineral. Arq. Inst. biol., S. Paulo, 1938, **9:** 67–76.—**Décourt, J., & Guillemin, J.** Métabolisme minéral et glandes endocrines. Gaz. méd. France, 1939, **46:** 507–12.—**Ferrannini, A., Putignano, T., & Muratore, F.** Rapporti fra ricambio glucidico e ricambio minerale in casi di ipoparatiroidismo. Arch. pat., Bologna,

1943, **24**: 142–65.—**Foglia, V. G., & Gerschman, R.** Significado de los trastornos generales y minerales consecutivos a la extirpación de la médula suprarrenal. Rev. Soc. argent. biol., 1940, **16**: 225–37.—**Gross, F.** Kombinierte Wasser- und Kochsalzbelastungen an normalen und nebennierenlosen Hunden. Helvet. physiol. pharm. acta, 1948, **6**: 406–25.—**Lipschitz, W.** Mobilisierung der Salzdepots im Organismus durch Arterienunterbindung; Wirkung des Adrenalins auf den Mineralhaushalt. Arch. internat. pharm. dyn., Gand, 1936, **53**: 215–38.—**Mizokami, M., & Nisimura, S.** Kiga dōbutu ni okeru nyō-tyū syokuen oyobi Calcium-hai-setu ni oyobosu nisan naibunpi no eikyō ni tuite [Ueber den Einfluss der innersekretorischen Drüsen auf den Natriumchlorid- und Calciumstoffwechsel bei Hundes im Hungerzustande] Fol. endocr. jap., 1929–30, **5**: 601–22.—**Nielsen, H.** Elektrolytstofskiftet og dets hormonale regulation. Nord. med., 1942, **15**: 2448–52.—**Olivia, G., & Moschini-Antinori, E.** Modificazioni nell'equilibrio minerale del sangue consecutive a variazioni della glicemia; variazioni della calcemia, della potassiemia e della magnesiemia in seguito ad azione insulinica ed adrenalinica. Riv. pat. sper., 1942, **29**: 83–94.—**Parhon, C. I.** Metabolismul mineral şi funcţiunile endocriniene. Mişc. med. român., 1937, **10**: 412.—**Rigler, R.** Nebenniere, Wasser- und Salzhaushalt. Med. & Chem., Leverkusen, 1936, **3**: 220–38.—**Sugimoto, S.** Hukuzin to denkaisitu taisya; Adrenalin, hukuzin-hisitu ext. oyobi Cholin no kessei K oyobi Ca gan-yū-ryō ni oyobosu eikyō [Nebenniere und Elektrolytenstoffwechsel; über den Einfluss des Adrenalins, des Nebennierenrindenextraktes und des Cholins auf den Kalium- und Calciumgehalt im Blutserum] Fol. endocr. jap., 1932–33, **8**: 12–27. ——— Hukuzin zuisitu oyobi hisitu-kesson no kessei K oyobi Ca ni oyobosu eikyō; hu, hukuzin tekisyutu kato no kanzō narabi-ni kinniku Glycogen gan-yū-ryō [Einfluss des Verlustes des Mark- und Rindenteils der Nebenniere auf den K- und Ca-Gehalt im Blutserum; Anhang, Glykogengehalt in Leber und Muskel von Kaninchen mit entfernten Nebennieren] Ibid., 149–71.—**Vidal, F., & Pujol, A.** Gonadas y metabolismo hidrosalino; estudio experimental. Rev. argent. urol., 1942, **11**: 185–97.

—— Equilibrium.

Green, H. H. The mineral balance in the blood of ruminants. Vet. Med., Chic., 1940, **35**: 72–82.—**Jesserer, H.** Neue Untersuchungen zur Frage des Kalium-Calcium-Gleichgewichtes im Serum. Deut. Arch. klin. Med., 1943–44, **191**: 522–35.—**Labbé, M., Nepveux, F., & Slosse, J.** L'équilibre minéral (calcium, magnésium, potassium, sodium) chez les sujets sains et les diabétiques. Arch. mal. app. digest., Par., 1926, **16**: 393–408.—**Loehwing, W. F.** Aspects of mineral nutrient balance as related to sap hydrion concentration. Proc. Soc. Exp Biol., N. Y., 1928–29, **26**: 189.—**Pfeiffer, D. B.** Surgical applications of the principles of salt and water balance. Pennsylvania M. J., 1939–40, **43**: 1121–5.—**Violle, P. L., & Dufort, P.** Recherches expérimentales sur l'équilibre minéro-mineral. Bull. Acad. méd., Par., 1928, 3. ser., **99**: 424–30, 3 graphs. Also Presse méd., 1928, **36**: 1011–3.

—— experimental.

Abuladze, K. S., Georgievskaja, A. M. [et al.] [Mineral composition of the blood in a dog deprived of one cerebral hemisphere and of the cortex of the motor region of the other] Arkh. biol. nauk, 1935, **38**: 403–6.—**Allers, W. D., & Kendall, E. C.** Maintenance of adrenalectomized dogs without cortin, through control of the mineral constituents of the diet. Am. J. Physiol., 1937, **118**: 87–94.—**Cahane.** Augmentation du magnésium et du calcium dans le foie des animaux hyperthyroïdisés. C. rend. Soc. biol., 1929, **100**: 577.—**Collazo, J. A., & Canal, J.** Estudio comparado de las curvas de calcemia y fosfatemia en el perro tratado con parathormona y vitamina D a grandes dosis. Arch. Soc. biol. Montevideo, Suppl., 1930–32, 806–17.—**Dennis, J., & Harbaugh, F. G.** The experimental altercation of blood potassium and calcium levels in cattle. Am. J. Vet. Res., 1948, **9**: 20–5.—**Gerschman, R.** Variaciones estacionales o por hipofisectomía de los elementos minerals del plasma del sapo. Rev. Soc. argent. biol., 1943, **19**: 170–81.—**Krzywanek, F. W., & Brüggermann, J.** Stoffwechselversuche mit alleiniger Verfütterung von Lecksuchtheu an kranke und gesunde Ochsen. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 436 (Abstr.)—**Lipschitz, W.** Ueber experimentelle Verschiebungen im Mineralhaushalt des Kaninchens und ihre Beziehung zur Entzündungsreaktion. Arch. internat. pharm. dyn., Gand, 1936. **53**: 187–99.—**Outhouse, J., Smith, J., & Twomey, I.** The relative effects of certain saccharides and of vitamin D on mineral metabolism of rats. J. Nutrit., 1938, **15**: 257–68.—**Parhon, C. I., Dérevice, H., & Dérevice, M.** Sur le calcium et le phosphore des os chez des chiens hyperthyroïdisés, hyperparathyroïdisés ou soumis à ces deux traitements combinés. C. rend. Soc. biol., 1932, **109**: 1396–8.—**Shelling, D. H.** Calcium and phosphorus studies; the effect of diet and of viosterol on the tetany and on the serum calcium of parathyroidectomized rats. J. Biol. Chem., 1932, **96**: 215–28.—**Sherman, H. C.** Experiments upon the total metabolism of iron and calcium in man. Science, 1907, n. ser., **25**: 421 (Abstr.)

—— Geographical differences.

Bouckaert, J. J. P., Casier, H., & Jadin, J. Contribution à l'étude du métabolisme du calcium et du phosphore chez les indigènes de l'Afrique centrale. 25p. 25½cm. Brux., 1938. Forms pt 2, v.8, Mém. Inst. col. belge, Sect. sc. nat.

Auffret, C., & Tanguy, F. Calcium, phosphore minéral, phosphatases dans le sérum de sujets africains domiciliés à Dakar. Rapp. Inst. Pasteur, Dakar (1946) 1948, 91.—**Chu, H. I., Liu, S. H.** [et al.] Calcium, phosphorus, nitrogen and magnesium metabolism in normal young Chinese adults. Chin. M. J., 1941, **59**: 1–33.—**Eggleton, W. G. E.** The zinc and copper contents of the organs and tissues of Chinese subjects. Biochem. J., Lond., 1940, **34**: 991–7.—**Radsma, W.** The content of mineral substances in the blood with different groups of population in Batavia. Arch. néerl. physiol. (1947) 1948, **28**: 488–500. ——— **Klerks, J. V., & Everse, J. W. R.** A contribution to the knowledge about the mineral metabolism in the inhabitants of the tropics. Ibid., 1936, **21**: 574; 1937, **22**: 287; 544. Also Geneesk. tschr. Ned. Indië, 1936, **76**: 1259; 2590; 2840.—**Radsma, W., & Ploegman, V. R. C.** [Contribution to the study of mineral metabolism in the population groups in Batavia] Ibid., 1937, **77**: 1162–7. Also Arch. néerl. physiol., 1938, **23**: 56–61.—**Radsma, W., & Streef, G. M.** [The amount of basic mineral elements in the blood of different groups of population at Batavia] Geneesk. tschr. Ned. Indië, 1937, **77**: 1386–403. Also Arch. néerl. physiol., 1938, **23**: 107–25.—**Roy, A.** Investigations on the mineral contents of blood of Bengali subjects; calcium, magnesium and phosphorus contents of the serum, plasma and whole blood of tubercular and diabetic patients and of normal persons. Ann. Biochem. Exp. M., Calc., 1942, **2**: 1–8.—**Schrumpf-Pierron, P.** Le rapport Mg-K-Ca dans la ration des fellahs d'Egypte. C. rend. Soc. biol., 1932, **111**: 996–8. Also Fol. med. int. orient., 1932–33, **1**: Sect. 1, 5–14.—**Splatt, B.** Values for the mineral content of the serum of Australian adults. Med. J. Australia, 1948, **2**: 744.

—— History.

Nyffenegger, A. Aelteres und Neueres über den Mineralstoffhaushalt. Schweiz. Arch. Tierh., 1945, **87**: 205–10.

—— Industrial aspect.

Hannich, W. Der Mineralstoffwechsel beim Fabriksarbeiter und dessen krankhafte Störungen. Zschr. Gewerbehyg., Wien, 1926, **32**: 37.

—— Interchangeability of minerals.

Keller, R. Hofmeister-Reihe und Gruppenregel. Biochem. Zschr., 1935, **278**: 454–9.—**Starkenstein, E.** Ueber die Substituierbarkeit physiologisch lebenswichtiger Mineralstoffe durch andere Stoffe der gleichen chemischen Gruppe. Med. Klin., Berl., 1932, **28**: 1375.

—— Intestinal phase.

Guassardo, G., & Peola, F. L'assorbimento del calcio e potassio in particolari condizioni sperimentali. Pathologica, Genova, 1930, **22**: 391–401. ——— Influenza di alcuni ormoni sull'assorbimento intestinale del Ca e K. Ibid., 455–61.—**Hoff-Jørensen, E.** The influence of phytic acid on the absorption of calcium and phosphorus; in dogs. Biochem. J., Lond., 1946, **40**: 189–92.—**Jahn, D.** Beziehungen des Magen-Darmtraktus zum Mineralstoffwechsel. Jahrkurs. ärztl. Fortbild., 1942, **33**: H. 3, 22–9.—**Schaible, P. J., Bandemer, S. L., & Moore, J. M.** Mineral partition during intestinal digestion. J. Biol. Chem., 1935, **109**: p. lxxix.—**Telfer, S. V.** The influence of free fatty acids in the intestine on the absorption and excretion of the mineral elements. Q. J. Med., Oxf., 1926–27, **20**: 1–6.

—— Iodine.

See **Iodine, Metabolism.**

—— Manual.

Albu, A., & Neuberg, C. Physiologie und Pathologie des Mineralstoffwechsels, nebst Tabellen über die Mineralstoffzusammensetzung der menschlichen Nahrungs- und Genussmittel sowie der Mineralbrunnen und -Bäder. 247p. 8° Berl., 1906.

Althoff, H. *Mineralstoffwechsel und Diätetik [Frankfurt a. M.] 49p. 21cm. Lippstadt, 1939.

Klinke, K. Der Mineralstoffwechsel; Physiologie und Pathologie. 298p. 8° Lpz., 1931.

Sanguinetti, A. A. *Aplicaciones clínicas y dietéticas del metabolismo mineral. 132p. 27½cm. B. Air., 1941.

Shohl, A. T. Mineral metabolism. 384p. 23½cm. N. Y., 1939.

—— Mutual influence of minerals.

Carneiro Felippe, J., & Thales Martins. Radioactivité et action oligodynamique des minéraux. C. rend. Soc. biol., 1926, **95:** 1498.—**De, H. N., & Basu, K. P.** Mutual influence of minerals in metabolism. Ind. J. M. Res., 1949, **37:** 213–31.—**Hurka, W., & Ružđić, I.** Die Relationen einwertiger Ionen im Harn und Blut; die Relation zwischen Natrium, Kalium, Chlorid, Ammoniak und Harnstoff bei Säure- und Harnstoffbelastung am gesunden Menschen. Biochem. Zschr., 1943, **316:** 44–51.—**Schwartz Meyer, V.** El poder adsorbente en diversos productos minerales del país. Rev. quím. farm., Santiago, 1943, **1:** No. 10, 3; 1944, **2:** No. 12, 16.—**Welsch, M.** Influence des sels minéraux sur la mycolyse. C. rend. Soc. biol., 1937, **126:** 1254–7.

—— Nutritional relations.

See also **Mineral nutrition.**

Bassett, S. H., Elden, C. A., & McCann, W. S. The mineral exchanges of man; effect of excess potassium and of calcium on two normal men and on an oedematous nephritic. J. Nutrit., 1932, **5:** 1–27.—**Berg, R.** Eiweissbedarf und Mineralstoffwechsel. Hippokrates, Stuttg., 1934, **5:** 24–30.—**Eppinger, G.** [Raw foods and mineral metabolism] Klin. med., Moskva, 1937, **15:** 1058–60.—**Goitein, S.** A táplálék Ca- és Mg-tartalmának befolyásáról ezen elemek forgalmára és a szervek Ca- és Mg-tartalmára. Magy. orv. arch., 1905, ú. f., **6:** 600; 641.—**Hubbell, R. B., & Koehne, M.** Effect of varying sugar intake on nitrogen, calcium and phosphorus retention of children. Am. J. Dis. Child., 1934, **47:** 988–92.—**Iswariah, V.** Mineral metabolism and nutrition. Antiseptic, Madras, 1948, **45:** 157–63.—**Kapp, H.** Ueber den Einfluss einseitiger Ernährung auf den Mineralbestand des Tierkörpers. Schweiz. med. Wschr., 1940, **70:** 1117; 1139.—**Kühnau, J.** Der Mineralstoff- und Säurebasenhaushalt des Menschen und seine Beeinflussung durch die Ernährung. Prakt. Arzt, 1933, n. F., **18:** 399; 423; 449.—**Macy, I. G., Hummel, F. C.** [et al.] Effects of simple dietary alterations upon retention of positive and negative minerals by children. J. Nutrit., 1940, **19:** 461–76.—**Oehme, C.** Mineralstoffwechsel und Ernährung. Zbl. inn. Med., 1931, **52:** 978–90.—**Ribadeau-Dumas, L.** Action de l'alimentation actuelle sur les échanges salins chez l'enfant. Bull. Soc. méd. hôp. Paris, 1942–43, **58:** 428.—**Schmitz, E.** Mineralstoffwechsel und Ernährung. Med. Welt, 1932, **6:** 217–20. Also Zschr. ärztl. Fortbild., 1934, **31:** 301–7.—**Telfer, S. V.** The influence of acid-feeding on the utilization of the mineral elements. Glasgow M. J., 1939, **131:** 257–68.—**Wiley, F. H., Wiley, L. L., & Waller, D. S.** The effect of the ingestion of sodium, potassium, and ammonium chlorides and sodium bicarbonate on the metabolism of inorganic salts and water. J. Biol. Chem., 1933, **101:** 73–82.

—— Pathology.

See also **Biliary calculus; Calculus; Edema; Fever; Inflammation.**

Alexander, L., & Myerson, A. Minerals in normal and in pathologic brain tissue, studied by micro-incineration and spectroscopy. Arch. Neur. Psychiat., Chic., 1938, **39:** 131–49.—**Klostermeyer, W.** Untersuchungen über den Mineralstoffgehalt tuberkulöser Herde mit Hilfe der Schnittveraschung. Virchows Arch., 1936, **298:** 298–310.—**Penna de Azevedo, A.** Infiltrações minerais, incrustações, calculos e concreções. Acta med., Rio, 1940, **5:** 167–82, pl.

—— Pharmacological influence.

Messini, M., & Scalabrino, D. Il ricambio idrico-salino nell'organismo sano e ammalato sotto l'azione di acque cloruro-sodiche. p.819–77. 24cm. Milano, 1933.

Clin. med. ital., 1933, **64:**

Bomskov, C., & Seemans, G. Ueber eine Wirkung des Vitamin A auf den Mineralhaushalt. Zschr. ges. exp. Med., 1933, **89:** 771–9.—**Corey, E. L., & Britton, S. W.** The antagonistic action of desoxycorticosterone and post-pituitary extract on chloride and water balance. Am. J. Physiol., 1941, **133:** 511–9.—**Delachaux, A.** Die Wirkung der Zufuhr grosser Natriummengen per os auf die Ausscheidung der Anionen, Kationen, und Stickstoffraktionen unter Berücksichtigung des Säure-Basengleichgewichtes des Organismus. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935–37) 1938, No. 44, 1.—**Engel, R., McQuarrie, I., & Ziegler, M.** Untersuchungen über den Mineralhaushalt nach Zufuhr von Hypophysenhinterlappensubstanz. Arch. exp. Path., Berl., 1933, **173:** 248–59.—**Fiandaca, S., & Sorce, S.** Sull'influenza degli ormoni corticali sul ricambio minerale. Riv. pat. sper., 1936, **16:** 407–18.—**Groot, T. de, Hirschfeld, W. K., & Plank, G. M. van der.** Over den invloed van een extra gift organisch gebonden mineralen op de stofwisseling van het rund. Tschr. diergeneesk., 1939, **66:** 898–905, 2 pl.—**Ikuyama, M.** Tainai kōbutusituryō ni oyobosu san no eikyō ni kansuru zikken-teki kenkyū [Experimental study on the effect of acid upon the amount of mineral substances in the body] Nippon syōkakibyō gakkai zassi, 1934, **33:** 642–62. Also Jap. J. M. Sc., Int. Med., 1936, **4:** Proc., 127.—**Isii, I.** Ueber die Wirkung der Gallensäure auf den Stoffwechsel in den Entzündungsflüssigkeiten; Mineralstoffwechsel. Arb. Med. Fak. Okayama, 1936–38, **5:** 323–38.—**Itō, S.** Biryō yōdo narabi-ni iō no kessei K oyobi Ca gan-yūryō ni oyobosu eikyō ni tuite [Ueber den Einfluss kleiner Jod- und Schwefeldosen auf den Kalium- und Calciumgehalt im Blutserum] Fol. endocr. jap., 1930–31, **6:** 637–56.—**Jenny, F.** Die Wirkung der Zufuhr grosser Calciumglukonatmengen per os auf die Ausscheidung von Anionen, Kationen und Stickstoffraktionen unter Berücksichtigung des Säurebasengleichgewichtes des Organismus. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935–37) 1938, No. 69, 1–4.—**Jesserer, H., & Spiess-Bertschinger, A.** Der Einfluss sympathisch und parasympathisch erregender Wirkstoffe auf das Kalium-Calcium-Gleichgewicht im Serum. Deut. Arch. klin. Med., 1943, **191:** 471–87.—**Korányi, S.** Grenzen und Methoden der therapeutischen Beeinflussung des Mineralstoffwechsels. Deut. med. Wschr., 1928, **54:** 297; 342.—**Labbé, H., & Lavagna, F.** Action des sels ammoniacaux sur l'équilibre acidobasique de l'organisme. Rapp. Congr. fr. méd. (1925) 1926, 18. sess., **2:** 159.—**McChesney, E. W., & McAuliff, J. P.** Effects of some ion exchange resins on the mineral metabolism of rats. Am. J. Physiol., 1950, **160:** 264–76.—**Roller, D.** Der Einfluss synthetischer Nebennierenrindenwirkstoffe auf die Mineralstoffausscheidung des Menschen. Wien. med. Wschr., 1940, **90:** 719. Also Wien. klin. Wschr., 1941, **54:** 603.—**Sartorius, O. W., & Roberts, K.** Effect of pitressin and desoxycorticosterone in low dosage on excretion of water and sodium. Fed. Proc., Balt., 1949, **8:** 138.—**Shohl, A. T., Wakeman, A. M., & Shorr, E. Y.** Mineral metabolism on a high mineral diet. Am. J. Dis. Child., 1928, **35:** 576–9.—**Siedek, H.** Ueber den Einfluss therapeutischer Massnahmen auf den Na-, Cl- und K-Stoffwechsel. Klin. Wschr., 1936, **15:** 1043–6. ——— Ueber den Einfluss therapeutischer Massnahmen auf den Mineralstoffwechsel. Mitt. Ges. inn. Med. Wien, 1936, **35:** 36–8.—**Stransky, E.** Mineralhaushalt und Heilquellen. Med. Klin., Berl., 1937, **33:** 1563–6. ——— Biologischer Nachweis einer Heilquellenwirkung auf den Mineralhaushalt. Zschr. ges. exp. Med., 1937, **101:** 103–110.—**Strauss, L. H., & Scheer, P.** Ueber den Einfluss des Nicotins auf die mineralischen Bestandteile des Blutes; Blutcalciumspiegel. Ibid., 1938–39, **104:** 691–704.—**Sugimoto, S.** Insulin oyobi Pituitrin no kessei narabi-ni kokkaku-kin gan-yū K- oyobi Ca-ryō ni oyobosu eikyō [Ueber den Einfluss von Insulin und Pituitrin auf den K- und Ca-Gehalt im Serum und Skelettmuskel] Fol. endocr. jap., 1932–33, **8:** 618–34.—**Venulet, F., Goebel, F., & Tislowitz, R.** Influence de l'ammoniaque sur l'équilibre acido-alcalin. C. rend. Congr. internat. path. comp., 1936, 3. Congr., 525–7.

—— Physico-chemical mechanism.

See also **Diuresis.**

Pescheck, E. Weitere Versuche am Fleischfresser über die stickstoffsparende Wirkung von Salzen, besonders von Natriumacetat. p.275–320. 24cm. Berl., 1913.

Biochem. Zschr., 1913, **52:**

Aida, K. Einfluss der kolloidalen Lösung auf die Rückresorption des Kochsalzes in der Niere; Studien über Flüssigkeitsaustausch. Tōhoku J. Exp. M., 1943, **45:** 266–77.—**Gollwitzer-Meier K., & Rabl, R.** Der Stoffaustausch zwischen Blut und Gewebe nach Wasser- und Salzzufuhr und seine Abhängigkeit vom Mineralhaushalt und Zustand der Gewebe. Zschr. ges. exp. Med., 1926, **53:** 525–47.—**Hudoffsky, B., Malorny, G., & Netter, H.** Spielen Austauschadsorptionen an das Muskelgewebe eine Rolle im Mineralhaushalt? Arch. ges. Physiol., 1939–40, **243:** 388–408.—**Sherman, H. C.** Some quantitative aspects of the mineral metabolism. Nutrit. Abstr., Aberdeen, 1931–32, **1:** 617–20.—**Thomas, P.** Experimentelle Untersuchungen über den Einfluss der Mineralstoffe auf die Oxydationslage des Körpers bei vitaminarmer Ernährung. Biochem. Zschr., 1934, **271:** 250–8.—**Walsch, H.** Grundform der Permeation der Mineralstoffe im Organismus. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 148.

—— Physiology.

Roger, G. E. H. Sole mineralne ustroju i ich rola fizjologiczna. p.87–141. 22½cm. Warsz., 1938.

Biol. lek., Warsz., 1938, **17:**

Beckmann, K. Leber und Mineralhaushalt. Verh. Deut. Ges. inn. Med., 1927, 39. Kongr., 250–4. Also Klin. Wschr., 1930, **9:** 49–51.—**Bonadonna, T.** Delle odierne conoscenze intorno al metabolismo minerale nell'organismo animale. Clin. vet., Milano, 1931, **54:** 783; 875; 949.—**Jung, A.** Ueber den Mineralstoffwechsel mit besonderer Berücksichtigung von Kochsalz und Kalzium. Schweiz. med. Wschr., 1930, **60:** 1028–31.—**Manchester, R. C.** The diurnal rhythm in water and mineral exchange. J. Clin. Invest., 1933, **12:** 995–1008.—**Meyer-Bisch, R.** Verdauungsorgane und Wasser- und Mineralstoffwechsel. Deut. med. Wschr., 1929, **55:** 1755–8.—**Oehme, C., Oehme, M., & Wassermeyer, H.** Ueber Gesetzmässigkeiten des Mineralstoffwechsels. Deut. Arch. klin. Med., 1926–27, **154:** 107–30.—**Pacchioni, D.** Fosforo, calcio, potassio e magnesio negli studi di ricercatori italiani. Acta paediat., Upps., 1938, **22:** 94–8.—**Rosell, J. M.** Los actuales conocimientos sobre el metabolismo mineral. Siglo méd., 1927, **74:** 461; 491.—**Schmitt, F.** Die Stellung der Erythrocyten im

Mineralhaushalt. Erg. inn. Med. Kinderh., 1939, **57**: 241–59.—**Seekles, L.** Der Zustand der Minerale im Blutserum. Arch. néerl. physiol., 1936, **21**: 526–37.

—— Pregnancy changes [incl. estrus cycle]

Bittar, J. O ferro em obstetrícia. C. A. M., Pôrto Alegre, 1949, **9**: 109, &c.—**Brown, W. E., & Bradbury, J. T.** Sodium and water excretion in pregnant women. J. Michigan M. Soc., 1949, **48**: 174–82.—**Dahl, S.** Studies on serum iron; serum iron in healthy women during the latter part of pregnancy, parturition and puerperium. Mschr. Geburtsh. Gyn., 1945. **119**: 281–303.—**Donelson, E., Nims, B.** [et al.] Metabolism of women during the reproductive cycle; calcium and phosphorus utilization in late lactation and during subsequent reproductive rest. J. Biol. Chem., 1931, **91**: 675–86.—**Fabregat, L. M.** Metabolismo del arsénico; contribución al metabolismo del iodo; la importancia de estos elementos en el embarazo normal et patológico; probable trascendencia en otros estados patológicos; la mucosa uterina es una glándula; hechos, sugestiones e hipótesis. Arch. urug. med., 1935, **7**: 421–43.—**Fernández-Ruiz, C.** Estudio del balance de calcio y magnesio en el embarazo. Med. ibera, 1936, **30**: pt 1, 102–4.—**Fontana, G.** Sulla composizione minerale delle ossa in gravidanza. Mschr. Geburtsh. Gyn., 1942, **113**: 57–61.—**Huff, C. E., & Pyle, S. I.** Differences in the utilization of calcium and phosphorus in negative and positive balances during pregnancy. Human Biol., 1937, **9**: 29–42.—**Kropp, B.** The content and distribution of minerals in human amnion and chorion at term. Anat. Rec., 1940, **77**: 407–15, pl.—**Nakatu, Y.** Ninsin, bunpen oyobi sanzyoku-zi ni okeru bussitu-taisya ni kan-suru sōsetu; yūkisan, kōsitu, kōso oyobi sanro-heikō [Discussion of the metabolism of substances during pregnancy, parturition, and after labor; organic acids, minerals, yeasts (ferments) and the acid-base equilibrium] Mitt. Jap. Ges. Gyn., 1939, **34**: 249–69.—**Nicholas, H. O., & Kuhn, E. M.** The role of calcium, phosphorus and vitamin D in pregnancy. J. Clin. Invest., 1932, **11**: 1313–9.—**Okey, R., Stewart, J. M., & Greenwood, M. L.** Studies on the metabolism of women; the calcium and inorganic phosphorus in the blood of normal women at the various stages on the monthly cycle. J. Biol. Chem., 1930, **87**: 91–102.—**Paladino, T.** Il ricambio idrico-salino a termine di gravidanza; cloruremia, cloruria e diuresi. Boll. Soc. ital. biol. sper., 1947, **23**: 408.—**Toverud, K. U., & Toverud, G.** Studies on the mineral metabolism during pregnancy and lactation. Biochem. J., Lond., 1932, **26**: 1424–34, pl. ——— Fortsatte undersøkelser over mineralstoffskiftet under svangerskap og diegivning; oesteoporose, rakitt. Norsk mag. laegev., 1933, **94**: 18–31.—**Uzan.** Vitamines, équilibre minéral et allaitement maternel. Médecin chez lui, 1937, **14**: No. 14, 25; passim.

—— Problems.

McCance, R. A. Medical problems in mineral metabolism. Lancet, Lond., 1936, **1**: 643; 765; 823.—**Smith, A. H.** Medical problems in mineral metabolism. In: Pract. Libr. M. & S. (Appleton) N. Y., 1938, Suppl., 8–19.

—— Radiation influence.

Adler, K., & Adler, M. Calcium- und Kaliumstoffwechsel unter dem Einfluss der Röntgenstrahlen bei Kaninchen; Ausscheidung. Strahlentherapie, 1932, **44**: 481–8.—**Aizikovich, E. A., & Bratkovsky, R. E.** [Effect of the high frequency field on the correlation of ash elements in the progeny of animals] In: Biol. deist. ultravys. chast. (Kupalov, P. S.) Moskva, 1937, 337–47.—**Brockmüller, A.** Ueber die Beeinflussung des Blutkalkspiegels durch Quarzlampenbestrahlungen. Klin. Wschr., 1940, **19**: 1255–7.—**Giordano, G.** Azione biologica delle radiazioni sul ricambio salino. In: Trat. radiobiol. (Balli, R.) Roma, 1939, **2**: 1023–49.—**Makidono, Z.** Kakusyu hōsya-sen no seitai-nai muki-enrui ni oyobosu eikyō ni kan-suru zikken-teki kenkyū [Experimentelle Studie über die Wirkung der verschiedenen Strahlen auf den Mineralstoffwechsel im Blutserum. J. Kumamoto M. Soc., 1937, **13**: 1701–16.—**Malczynski, S.** Variations des éléments minéraux du sang sous l'influence d'irradiations par les rayons limites. C. rend. Soc. biol., 1933, **112**: 928–31.—**Reed, C. I., & Tweedy, W. R.** Blood calcium in direct irradiation of blood. Am. J. Physiol., 1926, **76**: 54–8.—**Stransky, E.** Ueber die Beeinflussung des normalen und veränderten Mineralstoffhaushalts des Kaninchens durch Radiumemanation. Biochem. Zschr., 1926, **179**: 19–45.—**Tyō, H.** Nōkasuitai oyobi kōzyō-sen roentgen-sen syōsya no kessei-nai Kalium, Calcium-sintin-taisya ni oyobosu eikyō [Der Einfluss der Röntgenbestrahlung von Hypophyse und Schilddrüse auf den Kalium- und Calciumstoffwechsel im Blutserum] Mitt. Jap. Ges. Gyn., 1935, **30**: 1299; 1421.—**Visiković, E. A., & Bratkovsky, R. E.** [Effect of darkness, light and mercury quartz lamp irradiation on the mineral metabolism in animal progeny] Vrach. delo, 1931, **14**: 1326–9.

—— Rare and minor elements.

Bertrand, D. Le molybdène et le cuivre dans la série animale. Bull. Soc. chim. biol., Par., 1943, **25**: 197–200.—**Fairhall, L. T.** A study of the normal zinc metabolism with particular reference to the calcium metabolism. J. Biol. Chem., 1926, **70**: 495–512.—**Kent, N. L., & McCance, R. A.** The absorption and excretion of minor elements by man; silver, gold, lithium, boron and vanadium. Biochem. J., Lond., 1941, **35**: 837–44. ——— Cobalt, nickel, tin and manganese. Ibid., 877–83.—**Klinke, K.** Die im Körper weniger verbreiteten Elemente. Tabulae biol., Berl., 1934, **4**: 209–17.—**McHargue, J. S.** Further evidence that small quantities of copper, manganese and zinc are factors in the metabolism of animals. Am. J. Physiol., 1926, **77**: 245–55.—**Sluiter, E.** [Metabolism of minerals in the animal organism; manganesc] Ned. tschr. geneesk., 1933, **77**: 1553–64.

—— Regulation and control.

Berg, R. Kontrolle des Mineralstoffwechsels. 87p. 8° Lpz., 1930.

Broch, O. J. Studies on the regulation of the serum cleetrolytes, with a survey of the water and salt metabolism in the organism. 186p. 22cm. Oslo, 1945.

Forms No. 166, Suppl., Acta med. scand.

Bijlsma, U. G. (Effect of the central nervous system and hormones on the aqueous and salt metabolism) Ned. tschr. geneesk., 1934, **78**: 2657–60.—**Blokhin, N. N., & Pravdina, K. I.** K voprosu o roli vegetativnoj nervnoj sistemy v reguljacii vodno-solevogo obmena. Biull. eksp. biol. med., 1946, **21**: No. 5, 26–8.—**Centanni, E.** Sui regolatori del ricambio minerale (calcio e fosforo, zolfo, ferro) Minerva med., Tor., 1928, **8**: 519–30.—**Netter, H.** Ein neuartiges Regulationssystem im Mineralhaushalt der Organismen. Forsch. & Fortsch., 1932, **8**: 236.

—— Research methods.

Gut, E. *Zur Methodik der Kalzium-, Magnesium- und Phosphor-Bilanz beim Rind; Beitrag zur Erforschung des Mineralstoffwechsels des Rindes und Beitrag zur klinischen Differentialdiagnose der Osteoporose und der Rachitis des Jungrindes [Zürich] 61p. 22½em. Wädenswil, 1943.

Krull, G. *Ueber die Technik des Mineralstoffwechselversuchs bei der Ratte [Berlin] 16p. 8° Gütersloh-W., 1935.

Bassett, S. H., Elden, C. A., & McCann, W. S. The mineral exchanges of man; organization of metabolism ward and analytical methods. J. Nutrit., 1931, **4**: 235–48.—**Bauer, W., & Aub, J. C.** Studies in inorganic salt metabolism; the ward routine and methods. J. Am. Diet. Ass., 1927–28, **3**: 106–15.—**Greenberg, D. M.** Tracer studies on the metabolism of mineral elements with radioactive isotopes. Papers U. S. Symp. Isotopes in Biol., 1948, 261–91. ——— **Campbell, W. W., & Murayama, M.** Studies in mineral metabolism with the aid of artificial radioactive isotopes; the absorption, excretion, and distribution of labeled sodium in rats maintained on normal and low sodium diets. J. Biol. Chem., 1940, **136**: 35–46.—**Greenberg, D. M., Copp, D. H., & Cuthbertson, E. M.** The distribution and excretion, particularly by way of the bile, of iron, cobalt, and manganese. Ibid., 1943, **147**: 749–56.—**Richter, C. P., & Eckert, J. F.** Mineral metabolism of adrenalectomized rats studied by the appetite method. Endocrinology, 1938, **22**: 214–24.

—— Reserve.

Schalch, W. *Die unmittelbaren Reserven des Organismus. 21p. 8° Basel, 1932.

Also Schweiz. med. Wschr., 1932, **62**:

—— Storage.

Lison, L. Sur la fixation histochimique des éléments minéraux des tissus. Bull. Acad. méd. Belgique, 1936, 5. ser., **22**: 951–67.—**Thomas, A. D.** The internal storage of foodstuffs with special reference to bony tissue as the body's mineral bank. Leech, Johannesb., 1946, **17**: 23.

—— Strontium and barium.

Voinar, A. O., & Lazovskaja, L. N. [The distribution of strontium and barium in the animal organism and their connection with calcium] Biul. eksp. biol. med., 1943, **15**: 64–7.

—— Trace elements.

See also subheading (Rare and minor elements)

Leuthardt, F. Mineralstoffwechsel; die Spurelemente. p.588–655. 25½cm. Münch., 1941.

Erg. Physiol., 1941, **44**:

Dougherty, E. C. Elements constituting major mineral metabolites. In: Isotop. Tracers (Siri, W. E.) N. Y., 1949, 520–3.—**Lee, R., & Hanson, W. A.** Trace mineral elements and their importance in morphology. In: Protomorphology (Lee, R.) Milwaukee, 1947, 15–24.—**McClure, F. J.** Mineral metabolism (fluorine and other trace elements) Annual Rev.

Biochem., 1949, **18**: 335–54.—**Rose, M. S.** The nutritional significance of some mineral elements occurring as traces in the animal body. Yale J. Biol., 1932, **4**: 499–518.

—— Variation.

Gaudio, V. Azione delle onde corte ed ultra corte sulla calcemia. Riv. clin. med., 1936, **37**: 625–32.—**Oliva, G.** Variazioni dell'equilibrio minerale del siero consecutive a modificazioni della glicemia per carico di glucosio o per azione insulinica. Boll. Soc. ital. biol. sper., 1941, **16**: 19.—**Vovsi, M. S., Bagon, N. T., & Itzikson, I. A.** [Effect of bloodletting on the intermediate water-salt metabolism] Med. biol. J., Moskva, 1929, **5**: No. 6, 66–76.

—— Variation: Age.

Bazilevich, I. V., & Pravdina, L. I. [Changes in the mineral metabolism of the old] J. méd., Kiev, 1940, **10**: 1267–74.—**Michaux, A.** La rétention des substances minérales par l'organisme animal au cours de la croissance. Bull. Soc. sc. hyg. aliment., Par., 1938, **26**: 134–48.—**Rissel, E., & Wiedemann, G.** Mineralstoffgehalt und Lebensalter. Klin. Wschr., 1940, **19**: 953.—**Wang, C. C., Kaucher, M., & Wing, M.** Metabolism of adolescent girls; mineral metabolism. Am. J. Dis. Child. 1936, **52**: 41–53.

—— Variation: Temperature of environment.

Brednow, W. Der Einfluss des warmen Vollbades auf den Mineralstoffwechsel unter besonderer Berücksichtigung der Indifferenz-zone. Zschr. klin. Med., 1928, **109**: 293–301.—**Horiuti, K.** Kōon oyobi utunetu-kankyō ni okeru kōsitu taisya ni kan-suru zikken-teki kenkyū; kōon oyobi utunetu-kankyō ni okeru kōsitu-heikō ni tuite [Experimental studies on mineral metabolism in high temperatures and a moist environment; mineral balance in the environment of high temperature and humidity] Keiō igaku, 1943, **23**: 461–83. ——— Kōon kōsitu kankyō ni okeru kin-undō no zintai kōsitu tyūkan-taisya ni oyobosu eikyō [The effect of muscular exercise under conditions of high temperature and high humidity on the intermediate metabolism of minerals in the human body] Ibid., 873–84.—**Leutsky, K. M.** [Effect of high temperature on mineral metabolism; effect of high temperature on the mineral composition of the muscles, liver, skin, bones and testicles] J. Physiol. USSR, 1940, **29**: 115–20.—**Sai, K.** Nettai, anettai zaizyū kenkō-sya no muki-enryō taisya ni tuite [Metabolism of inorganic salts among healthy persons in tropical and sub-tropical regions] Taiwan igakkai zassi, 1941, **40**: 1363–90.—**Schmidt-Nielsen, K., Schmidt-Nielsen, B., & Schneiderman, H.** Salt excretion in desert mammals. Am. J. Physiol., 1948, **154**: 163–6.—**Siotto, G.** L'atassia del ricambio minerale in rapporto agli squilibri della regolazione termica. Gior. clin. med., 1936, **17**: 1395–404.

—— Variation—in pathological conditions.

Aalkjaer, V. Klinisk oversigt over elektrolyt- og vaedske-problemerne ved kirurgiske lidelser. Nord. med., 1942, **15**: 2455–8.—**Austoni, B., & Coggi, G.** Considerazioni sul ricambio minerale in un caso di derivazione totale esterna della bile. Arch. ital. chir., 1934, **37**: 464–72.—**Bassett, S. H., Killip, T., & McCann, W. S.** Mineral metabolism during treatment of a case of polycythemia vera. J. Clin. Invest., 1931, **10**: 771–85.—**Bottin, J.** Deux éléments essentiels de la clinique chirurgicale, la déshydratation et la déminéralisation. J. belge urol., 1937, **10**: 1–34.—**Castellani, T.** Contributo allo studio dell'infiammazione sierosa; osservazioni sul ricambio minerale nelle epatopatie e nel reumatismo articolare. Friuli med., 1947, **2**: 376–84.—**Feichtinger.** Der gestörte Mineralstoffwechsel bei Erkrankung des Dünndarms. Mitt. Biochem., 1934, **41**: 178–81.—**Harrer, G., & Loibl, K.** Ueber Cholesterin- und Mineralstoffwechsel-Untersuchungen bei frischen Hirnverletzungen und deren Folgezuständen. Wien. med. Wschr., 1948, **98**: 409–14.—**Heupke, W., & Metz, R.** Die Störungen des Mineralhaushaltes bei Krankheiten des Skelettes. Jahrkurs. ärztl. Fortbild., 1938, **29**: H. 3, 22–33.—**Horiuti, K.** Kōon oyobi utunetu-kankyō ni okeru kōsitu taisya ni kan-suru zikken-teki kenkyū; kōon oyobi utunetu-kankyō no zōki kōsitu-ryō ni oyobosu eikyō narabi-ni syokuen oyobi rinsan-en tōyo ni tuite [Experimental studies on mineral metabolism in high temperatures and a moist environment; the effect of high temperatures and a moist environment on the mineral content of the organs, and administration of sodium chloride and phosphates] Keiō igaku, 1943, **23**: 633–46.—**Hurka, W.** Die Relationen einwertiger Ionen im Harn und Blut; die Relation zwischen Natrium, Kalium und Chlorid im Harn bei Schädigungen des Herzens, der Niere und der Leber. Biochem. Zschr., 1942–43, **313**: 400–15.—**Ivanitskaja, R. D.** [Aspect of mineral metabolism in tuberculous children] Vrach. delo, 1936, **19**: 773–6.—**Jesserer, H.** Untersuchungen über den Kalium- und Kalziumgehalt im menschlichen Serum. Wien. klin. Wschr., 1942, **55**: 109–11. Also Nutrit. Abstr., Aberdeen, 1942–43, **12**: 244 (Abstr.)—**Kaunitz, H., & Kren, O.** Mineralstoffwechsel im postoperativen Zustand. Zschr. klin. Med., 1936–37, **131**: 317–33.—**Kroetz, C.** Experimentelle Aenderungen im vegetativ-nervösen Gleichgewicht des Menschen und ihr Einfluss auf die mineralische Gesamtbilanz. Verh. Deut. Ges. inn. Med., 1927, 39. Kongr., 254–7.—**Litoshenko, L. N.** [Calcium and potassium levels in the blood serum in physiological and pathological states] Klin. med., Moskva, 1937, **15**: 90–8.—**Narpozzi, A., & Marchetto, G.** Comportamento di alcuni minerali nel sangue e funzione del rene in ipertrofia compensatoria. Pat. sper., Tor., 1948, **37**: 17–28.—**Oiyama, M.** Ueber den Mineralstoffwechsel bei experimenteller Azidosis und Leber- oder Nierenfunktionsstörung. Jap. J. M. Sc., Int. Med., 1936, **4**: Proc., 210.—**Oliva, G., & Moschini-Antinori, E.** Modificazioni nell'equilibrio minerale del sangue consecutive a variazioni della glicemia; variazioni della calcemia, della potassiemia e della magnesiemia. Riv. pat. sper., 1940, **25**: 113–36.—**Pavlanský, R.** Metabolismus minerálních látek při kostních chorobách. Cas. lék. česk., 1944, **83**: 532–6.—**Perera, G. A., & Blood, D. W.** Disturbance in salt and water metabolism in hypertension. Am. J. Med., 1946, **1**: 602–6.—**Piana, G. A.** Il ricambio minerale negli atrofici. Lattante, 1931, **2**: 407–23.—**Pick, E. P.** Beziehungen des Wasser- und Mineralstoffwechsels zu Verdauungs- und Stoffwechselkrankheiten. Med. Klin., Berl., 1926, **22**: 1818. Also Münch. med. Wschr., 1926, **73**: 2000.—**Pisa, M.** Le glicerofosfatasi plasmatiche nei processi di demineralizzazione ossea da nevrectomia. Sperimentale, 1935, **89**: 76–81.—**Pojer, J.** Minerální profil srdeční slabosti. Spisy Lék. Fak. Masaryk. Univ., 1940, **19**: 1–27, 2 charts.—**Popoviciu, G.** Contribution à l'étude du métabolisme minéral dans la prophylaxie et dans la thérapie de la tuberculose chez l'enfant. Rev. pediat., Cluj, 1937, **1**: 375–9.—**Wang, C. C., Kaucher, M., & Wing, M.** Mineral metabolism of twenty-three adolescent girls, five nephrotic children, and two boys with progressive pseudohypertrophic muscular dystrophy. J. Biol. Chem., 1935, **109**: p. xcv.

—— Water metabolism correlations.

See also **Water metabolism.**

Biancardi, S. Ricerche cliniche sul ricambio dell'acqua e del cloruro di sodio e sul meccanismo di azione della pituitrina negli esperimenti idrico e salino. Endocr. pat. cost., Bologna, 1932, n. ser., **7**: 127–42.—**Bittorf, A.** Zur Pathologie des Wasser- und Salzstoffwechsels. Deut. Arch. klin. M., 1908, **94**: 84–109.—**Brull, L., Poverman, R., & Goffart, H.** Recherches sur le métabolisme minéral; influence d'abondantes administrations d'eau par voie gastrique sur le métabolisme minéral du chien. Arch. internat. physiol., Liége, 1936, **43**: 238–52.—**Eppright, E. S., & Smith, A. H.** Changes in the water of tissues induced by diets containing various mineral supplements. Am. J. Physiol., 1938, **121**: 379–86.—**Klodt, W.** Experimentelle Untersuchungen über unterschiedliche Einwirkungen des Natrium- und Chlorions auf den Wasserhaushalt. Med. Klin., Berl., 1936, **32**: 1538–41.—**Labbé, M.** El mecanismo de la hidratación tisular estudiado principalmente desde el punto de vista del equilibrio mineral. Arch. med., Madr., 1928, **28**: 501–9.—**Moore, F. D.** Expanding horizons in the study of water and electrolyte metabolism. Proc. Am. Pharm. Manuf. Ass., 1946, Midyr meet., 45–50.—**Reaser, P. B., & Burch, G. E.** Turnover of water and salt. N. Orleans M. & S. J., 1946–47, **99**: 122–4.—**Schütte, E.** Mineralstoffwechsel und Wasserhaushalt. FIAT Rev., Wiesb., 1948, Physiol. Path. Chem., 89–105.

—— in animals.

Bialaszewicz, K. Sur la régulation de la composition minérale de l'hémolymphe chez le crabe. Arch. internat. physiol., Liége, 1932, **35**: 98–124.—**Bogucki, M.** Recherches sur la régulation de la composition minérale du sang chez l'écrevisse, Astacus fluviatilis L. Ibid., 1934, **38**: 172–9.—**Conway, E. J.** The physiological significance of inorganic levels in the internal medium of animals. Biol. Rev. Cambridge Philos. Soc., 1945, **20**: 56–72.—**Drilhon-Courtois, A.** Sur la régulation de la concentration minérale du milieu intérieur chez quelques crustacés, et leur adaptation aux changements de salinité. C. rend. Acad. sc., 1934, **198**: 1079–81. ——— & **Pora, E. A.** Régulation minérale du milieu intérieur chez les poissons sténohalins. Ann. physiol., Par., 1936, **12**: 139–68.—**Heller, V. G., & Haddad, M.** Paths of excretion and mineral balance in animals drinking saline and alkaline waters. J. Biol. Chem., 1936, **113**: 439–47.—**Kaplansky, S., & Boldyreva, N.** [Ueber den Mineralstoffgehalt der Muskelgewebe der homoiosmotischen Fische bei veränderten Konzentrationen der Mineralsalze des Wassers] J. Physiol. USSR, 1934, **17**: 96–9.—**Kladienko, D. P.** [Age variations in the quantity of certain mineral elements in the tissues and organs of fishes] J. méd., Kiev, 1940, **10**: 1573–86.—**Marek, J., Wellmann, O., & Urbányi, L.** Untersuchungen über den Mineralstoffwechsel des tierischen Organismus; Beeinflussung des Mineralstoffwechsels durch ein verschiedenartig mit Kalkcarbonat ergänztes phosphorarmes bzw. phosphorreiches Futter. Arch. wiss. prakt. Tierh., 1942–43, **78**: 129–39. ——— Auswirkung mineralstofflich verschieden zusammengesetzter Futtermittel auf die Ausnützung der Mineralstoffe nach ihrer gegenseitigen Vertauschung. Ibid., 140–7.—**Sluiter, E.** [Mineral metabolism in animals] Ned. tschr. genecsk., 1937, **81**: 1931–54.

—— in birds.

Common, R. H., Rutledge, W. A., & Hale, R. W. Gonadal hormones and mineral balance in the domestic fowl. Nature, Lond., 1947, **160**: 541.—**Gutowska, M. S., & Parkhurst, R. T.** Studies in mineral nutrition of laying hens; the manganese requirement; excess of calcium in the diet. Nutrit. Abstr., Aberdeen, 1942–43, **12**: 518 (Abstr.)

—— in children.

See also subheading (Variation: Age)

Syōzi, T. Sinsanzi-ki kō-bussitu bussitutaisya no kenkyū [Untersuchungen des anorganischen Stoffwechsels im Lebensstadium der Neugeborenen] p.333–96. 26cm. Taihoku, 1936.

In: Taiwan igakkai zassi, 1936, **35**:

Bischoff, H., & Körner, H. Ueber den Mineralstoffwechsel des Säuglings; Bilanzuntersuchungen bei Obst- und Gemüseernährung. Arch. Kinderh., 1942, **125**: 31–48.—**Buchbinder, S. I., & Shcheglova, A. V.** [Mineral metabolism in young children in experimental diet] Pediatria, Moskva, 1937, No. 7, 20–9.—**Courtney, A. M.** Some studies on calcium and phosphorus concentration in the small and large intestines of children. Arch. Dis. Childh., Lond., 1930, **5**: 23–7. ——— & **Brown, A.** Calcium and phosphorus metabolism in some older children on mixed diet including a large or a small quantity of milk. Ibid., 17–22.—**Gorter, E.** Metabolisme mineral et hydrique. Acta paediat., Upps., 1938, **22**: 89–91.—**Hunscher, H. A., Cope, F.** [et al.] Successive mineral balances in childhood. Proc. Am. Soc. Biol. Chem., 1932, **8**: p. lxiv.—**Kaulbersz-Marynowska, H., & Gerlée, E.** [Hydro-mineral metabolism in infants] Pedjat. polska, 1936, **16**: 7–35.—**Klinke, K.** Fragen des Wasser- und Mineralhaushaltes. Mschr. Kinderh., 1929, **43**: 439–44. ——— Der Mineralstoffwechsel. In: Biol. Daten Kinderarzt (J. Brock) Berl., Bd 3, 1939, 124–61.—**Leone, A., & Falchi, S.** Rapporti tra azione della lattoflavina e metabolismo minerale nel bambino; azione sul calcio, magnesio, sodio, potassio, cloruri, fosforo inorganico ematici. Riv. pat. sper., 1940, **24**: 193–216.—**Meyer, L. F.** Zur Kenntnis des Mineralstoffwechsel im Säuglingsalter. Biochem. Zschr., 1908, **12**: 422–65.—**Petrunkina, A.** Ueber die Bilanzen von Stickstoff, Kalk, Magnesium, Phosphor und Eisen bei Kindern von 7–8 Jahren. Zschr. Kinderh., 1934, **56**: 219–26.—**Piana, G. A.** Dati comparativi su alcuni componenti minerali del sangue di lattanti al seno e di lattanti ad alimentazione artificiale nel primo semestre di vita. Acta paediat., Upps., 1938, **22**: 165.—**Popoviciu, G., & Blosu, C.** [Mineral metabolism in children] Cluj. med., 1935, **16**: 407–8.—**Potter, P. S.** Mineral salt and water metabolism in infancy. Arch. Pediat., N. Y., 1928, **45**: 633–52.—**Rominger, E.** Ueber den Mineralstoffwechsel beim Säugling. Münch. med. Wschr., 1927, **74**: 521. ——— & **Meyer, H.** Ueber den Mineralstoffwechsel beim Säugling. Ibid., 1933, **80**: 879.—**Schiaparelli, P.** Sulle variazioni di alcuni componenti minerali del sangue di lattanti al seno e di lattanti ad alimentazione artificiale nel primo semestre di vita. Acta paediat., Upps., 1938, **22**: 167.—**Shepherd, M. L., Macy, I. G.** [et al.] Synthesized, processed, and natural sources of vitamin C in the mineral metabolism of normal children. J. Pediat., S. Louis, 1940, **16**: 704–16.—**Stearns, G.** The mineral metabolism of normal infants. Physiol. Rev., 1939, **19**: 415–38.—**Swanson, W. W., & Iob, L. V.** Mineral composition of the bone and cartilage of the human fetus. Am. J. Dis. Child., 1937, **54**: 1025–9.—**Telfer, S. V.** Mineral metabolism in infancy. Glasgow M. J., 1930, **113**: 246; **114**: 10; 265.—**Toverud, K. U.** The mineral metabolism during infancy and its relation to the problem of artificial feeding. Acta paediat., Upps., 1938, **22**: 91–4.

—— in invertebrates.

Boné, G. J. Regulation of the sodium-potassium ratio in insects. Nature, Lond., 1947, **160**: 679.—**Bowen, V. T.** The mineral metabolism of insects. Rep. Conf. Biol. Appl. Nuclear Phys., 1948, 104–8, illust.—**Scholles, W.** Ueber die Mineralregulation wasserlebender Evertebraten. Zschr. vergl. Physiol., 1933, **19**: 522–54.—**Tobias, J. M.** Potassium, sodium and water interchange in irritable tissues and haemolymph of an omnivorous insect, Periplaneta americana. J. Cellul. Physiol., 1948, **31**: 125–42.

—— in mammals.

Kieliger, F. *Röntgenologische und histologische Knochenuntersuchungen bei zwei Rindern mit Störungen des Ca- und P-Stoffwechsels. 20p. 22½cm. Zür., 1938.

Allcroft, W. M. The fate of calcium and magnesium in the blood stream of the ruminant; with special reference to treatment of metabolic disorders in the bovine. Vet. J., Lond., 1947, **103**: 157–76.—**Atarasi, I.** Studien über anorganische Substanzen im Blute des gefesselten Kaninchens. Jap. J. M. Sc. Soc. Med. & Hyg., 1939–40, **3**: Proc., 9–11.—**Bang, O., & Dahm, C. R.** Einige Analysenergebnisse von Mineralstoffwechselversuchen mit Pferd und Kuh. Skand. Arch. Physiol., Berl., 1934, **69**: 1–32.—**Cox, W. M.,** jr, & **Imboden, M.** The mineral composition of young rats. J. Nutrit., 1936, **11**: 177–90.—**Dukes, H. H.** Minerals, water, and vitamins in metabolism. In his Physiol. Domest. Anim., 6. ed., Ithaca, 1947, 504–33, illust. **Forbes, E. B.** The mineral metabolism of dairy cattle and swine. J. Am. Vet. M. Ass., 1926–27, **70**: 721–35. ——— **French, R. B., & Letonoff, T. V.** The mineral metabolism of the beef steer. J. Nutrit., 1928–29, **1**: 201–8.—**Marek, J., Wellmann, O., & Urbányi, L.** Über die Wirkung von Ammoniumchlorid bzw. Ammoniumphosphat auf den Mineralstoffwechsel erwachsener Kaninchen bei kalkarmer bzw. bei kalkreicher Fütterung. Arch. wiss. prakt. Tierh., 1941–42, **77**: 204–14. ——— Beeinflussung des Stoffwechsels durch Natriumhydrocarbonat bzw. durch Kalksalze bei erwachsenen Kaninchen mit kalkarmer bzw. kalkreicher Fütterung. Ibid., 215–22. ——— Beeinflussung des Mineralstoffwechsels junger wachsender Kaninchen durch Natriumphosphat bzw. Calciumcarbonat bei mittelgrosser Kalkversorgung des Körpers. Ibid., 291–9. Also Nutrit. Abstr., Aberdeen, 1942–43, **12**: 437; 629 (Abstr.) ——— Wirkung einer Daereinführung von Natriumcitratlösung auf den Calcium- und Phosphorstoffwechsel der Kuh und des Kaninchens. Arch. wiss. prakt. Tierh., 1941–42, **77**: 300–7.—**Miller, H. G., Yates, W. W.** [et al.] Mineral metabolism studies with dairy cattle; mineral equilibrium during gestation. Am. J. Physiol., 1925–26, **75**: 696–703.—**Puddy, C. A.** A study of the mineral metabolism of the breeding ewe. Abstr. Theses Univ., Aberdeen, 1934, **17**.—**Seekles, L.** Der Zustand der Minerale im Blutserum; quantitative Beziehungen zwischen dem Calcium und den Anionen bildenden Bestandteilen; Eiweiss, anorganischer Phosphorsäure und Kohlensäure, im normalen Rinderserum. Arch. néerl. physiol., 1937, **22**: 93–107.—**Theiler, A., DuToit, P. J., & Malan, A. I.** Studies in mineral metabolism; calcium and phosphorus in the nutrition of growing pigs. Onderstepoort J. Vet. Sc., 1937, **9**: 127–64.—**Turner, W. A., & Hartman, A. M.** The adequate ration for high-producing cows and the effect of exercise on calcium, phosphorus and nitrogen balances. J. Nutrit., 1928–29, **1**: 445–54.

—— in plants.

Kerr, T. *The injections of certain salts into the protoplasm and vacuoles of the root hairs of Limnobium spongia [Pennsylvania; Ph.D.] 440p. 8° Phila., 1933.

Bertrand, G., & Mokragnatz, M. Sur la répartition du nickel et du cobalt dans les plantes. Ann. Inst. Pasteur, Par., 1930, **44**: 543–7.—**Bertrand, G., & Silberstein, L.** Teneurs comparatives en soufre et en azote de plantes cultivées sur le même sol. Ibid., 1936, **57**: 79–81.—**Boresch, K.** Gehalt der Pflanzen an Mineralstoffen. Tabulae biol., Berl., 1934–35, **4**: 315; 1935, **5**: 136.—**Deleano, N. T., & Andreesco, M. I.** Beiträge zum Studium der Rolle und Wirkungsweise der Mineral- und organischen Stoffe im Pflanzenleben; der quantitative Stoffwechsel der Mineral- und organischen Substanzen in den Salix fragilis-Blättern während ihrer Entwicklung. Beitr. Biol. Pflanz., 1931–32, **19**: 249–86.—**Deleano, N. T., & Gotterbarm, P.** Der quantitative Stoffwechsel der Mineral- und organischen Substanzen des Roggens und der Gerste. Ibid., 1935, **23**: 19–49.—**Freeland, R. O.** Effect of transpiration upon the absorption and distribution of mineral salts in plants. Am. J. Bot., 1936, **23**: 355–62.—**Küster, E.** Rhythmische Kalziumkarbonatablagerungen auf lebenden Pflanzenzellen. Kolloid Zschr., 1944, **106**: 138.—**Lenoir, M.** Les deux endodermes contenus dans la tige de l'Equisetum variegatum Schleich sont morphologiquement fonctionnels. C. rend. Soc. biol., 1935, **119**: 867.—**Lipman, C. B.** Aspects of inorganic metabolism in plants. Annual Rev. Biochem., 1940, **9**: 491–508.—**Pirschle, K.** Ueber den Mineralstoffwechsel von homo- und heteroplastischen Pfropfungen mit Petunia D und d. Biol. Zbl., 1939, **59**: 123–57.—**Scott, G. T.** Cation exchanges in Chlorella pyrenoidosa. J. Cellul. Physiol., 1944, **23**: 47–58.

MINERAL nutrition.

See also **Mineral metabolism.**

Blanchetiére, A. Les constituants cellulaires; le constituants minéraux. p.729–860. 25½cm. Par., 1933.

In: Traité physiol., Par., 1933, **1**:

Fasoli, G. B. Sulla dottrina minerale di Liebig. p.27–30. 23½cm. Vicenza, 1874.

Wirtschafter, Z. T. Minerals in nutrition. 175p. 19½cm. N. Y., 1942.

Agostini, V. D. El agua y los minerales en la nutrición. San. & benef., Habana, 1940, **43**: 176–96.—**Basu, K. P.** Studies on human nutrition with diets. Rep. Sc. Adv. Bd Ind. Res. Fund Ass., New Delhi, 1940, 43–6.—**Berg, R.** Die unorganischen Stoffe in der menschlichen Ernährung. Scientia, Bologna, 1939, **65**: 300–11.—**Calandrelli, M. E.** La alimentación mineral en las dietas prolongadas y severas. Sem. méd., B. Air., 1941, **48**: pt 1, 869–71.—**Glatzel, H.** Aufgaben und Bedeutung der Mineralstoffe. Klin. Wschr., 1938, **17**: 793; 833.—**Greenberg, D. M.** The place of the mineral elements in adequate human nutrition. In: Suppl. Man. War Nutr. Inst., Berkeley, 1942, 4–12.—**Harding, T. S.** Minerals in nutrition. Med. Rec., N. Y., 1947, **160**: 134–8.—**Hopkins, H. R.** The mineral nutrients, air, water and the salts. Buffalo M. J., 1908–09, **64**: 295–305.—**Inorganic** elements in nutrition. Nature, Lond., 1940, **146**: 658.—**Javillier.** L'alimentation minérale. Bull. Soc. hyg. alim., Par., 1940, **28**: 85–90.—**Lavrov, B.** Problema mineralnogo pitanija. In: Bolsh. med. encikl., 1933, **25**: 78–80.—**Lehnartz, E.** Substancias minerales. In: Fisiol. &c. aliment. (Stepp, W. O.) Barcel., 1942, 106–20.—**McClendon, J. F.** Minerals in human nutrition; iodine, iron, calcium and phos-

phorus. Week. Roster, Phila., 1941–42, **37:** 458.—**Macy, I. G.** Handbook of nutrition; principal mineral elements in nutrition. J. Am. M. Ass., 1942, **120:** 34–42.—**Mineral** elements in nutrition. Am. J. Pub. Health, 1937, **27:** Suppl. 63–71.—**Navarro, J. C., & Alzaga, S. de.** Substancias minerales alimenticias. Prensa méd. argent., 1936, **23:** 1083–94.—**Orent-Keiles, E.** Newer aspects of inorganic elements in nutrition. Med. Woman J., 1941, **48:** 179–82.—**Pasque, E. H.** On the nature of nutritional minerals. J. Drugless Physicians, 1942, **3:** 16.—**Pevzner, M. I.** Znaćenie belka, mineralnykh veśćestv i vitaminov v lećebnom pitanii. Vrach. delo, 1945, **25:** 531–40.—**Present** knowledge of the minerals in nutrition. Nutrit. Rev., 1946, **4:** 195; 227.—**Soria, B.** La acción de las sales minerales y su importancia en la alimentación. In his Temas pediát., Córdoba, 1942, 47–51.—**Subrahmanyan, V.** The rôle of minor elements in nutrition. Proc. Soc. Biol. Chemists India, 1938, **3:** 40–9.—**Widdowson, E. M.** Minerals in human nutrition. Brit. M. Bull., 1944, **2:** 221. Also Ser. Madr., 1946, **5:** No. 51, 1–5.

—— Acid-base relations.

See also **Mineral metabolism,** Acid-base equilibrium; also **Diet,** acid and alkaline.

Dennig, H., Gottschalk, H. J., & Teutscher, L. Ueber Säuerung und Alkalisierung durch Salze und Nahrungsmittel. Arch. exp. Path., Berl., 1933–34, **174:** 468–75.—**Jones, M. R.** The effect of the sudden alteration of the acid-base balance of the diet on dogs. Proc. Soc. Exp. Biol., N. Y., 1925–26, **23:** 578–81.—**Mookerjee, G. C.** Role of acid base and salts in relation to human nutrition; a survey of recent works. Ind. M. Rec., 1942, **62:** 170–6.—**Salter, W. T., Fulton, C., & Angier, F.** The calculation of acid-base content of the diet. J. Nutrit., 1931, **4:** 1–13.

—— Appetite.

Greep, R. O. Mineral appetite. In: Hormones (Pincus, G.) N. Y., 1948, 1: 292–4.—**Jarvis, D. C.** Mucous membrane color changes as a guide to the mineral needs of the patient. Dent. Items, 1935, **57:** 1057; 1936, **58:** 1.

—— Biological effect.

Keil, H. L., Keil, H. H., & Nelson, V. E. The effect of addition of minerals and sucrose to milk as shown by growth, fertility and lactation of the rat. Am. J. Physiol., 1934, **108:** 215–20.—**Kobori, B.** Ueber den Einfluss des Mineralgehaltes der Nahrung auf die Befähigung des Organismus, Hormone und Glykogen zu bilden. Biochem. Zschr., 1926, **173:** 54–68.

—— Calcium, magnesium, and phosphorus.

Fries, H. *Zur Frage der Kalk- und Phosphorsäurezufuhr in der Nahrung. 51p. 22½cm. Tüb., 1940.

Sherman, H. C. Calcium and phosphorus in foods and nutrition. 176p. 22½cm. N. Y., 1947.

Benjamin, H. R., Gordon, H. H., & Marples, E. Calcium and phosphorus requirements of premature infants. Am. J. Dis. Child., 1943, **65:** 412–25.—**Bloom, C. J.** Calcium and phosphorus prophylaxis; the use of dicalcium phosphate and diet. Mississippi Doctor, 1936–37, **14:** No. 7, 17–27.—**Cheng, A. L. S., Morehouse, M. G., & Deuel, H. J., jr.** The effect of the level of dietary calcium and magnesium on the digestibility of fatty acids, simple triglycerides, and some natural and hydrogenated fats. J. Nutrit., 1949, **37:** 237–50.—**Gaunt, W. E., & Irving, J. T.** The influence of dietary calcium and phosphorus upon tooth formation. J. Physiol., Lond., 1940, **99:** 18–29, pl.—**Goitein, S.** Ueber den Einfluss verschiedener Ca- und Mg-Zufuhr auf den Umsatz und die Menge dieser Stoffe im tierischen Organismus. Arb. chem. Physiol., 1906, 3. H., 118–51. Also Arch. ges. Physiol., 1906, **115:** 118–51.— **Holtz, F.** Der Calcium- und Phosphorgehalt unserer Nahrung. Biochem. Zschr., 1943, **315:** 345–61.—**Kochegina, V. V., & Shkral, M. L.** [Standards of Ca and Mg supply in the diet of children of school age (8–10 years)] Vopr. pitan., 1937, **6:** No. 4, 25–30.—**McLester, J. S.** Calcium, phosphorus and magnesium. In his Nutr. & Diet, 4. ed., Phila., 1943, 120–5.—**Mahuzier, J. E.** Calcio y fósforo en productos alimenticios de la región sur del país. Bol. Soc. biol. Concepción, 1942, **16:** 73–7.—**Smith, N. T.** The value of calcium and phosphorus in the human economy. Prescriber, Edinb., 1943, **37:** 16.—**Waltner, K.** The significance of the calcium and phosphorus content of food. Ind. J. Pediat., 1934–35, **2:** Suppl. 1, 300–5.—**Wang, C. C., Kern, R., & Kaucher, M.** Minimum requirement of calcium and phosphorus in children. Am. J. Dis. Child., 1930, **39:** 768–73.

—— Composition of diet.

See also **Food,** Analysis.

Bassett, S. H., & Van Alstine, H. E. Variations in the mineral content of diets with a constant raw weight formula. J. Nutrit., 1935, **9:** 175–89.—**Bendaña-Brown, A.** Studies on available calcium, iron and other inorganic elements in Philippine foodstuffs. Bull. Nat. Res. Counc. Philippines, 1941, **26:** 105.—**Campos, F. A. M.** Cálcio, ferro, fósforo e manganês em alguns alimentos nacionais. Arq. brasil. nutr., 1947, **4:** No. 6, 7–44.—**Clouse, R. C.** Compilation of recent data on mineral and vitamin values of foods. J. Am. Diet. Ass., 1942, **18:** 553–61.—**Cook, D. H., & Rivera, T.** Preliminary report on the calcium and phosphorus content of some Porto Rican food materials. Porto Rico Rev. Pub. Health, 1928, **4:** 65–9.—**Costa, D., & Mota, S.** Teor mineral dos alimentos brasileiros; subsídios para uma tabela nacional. Hospital, Rio, 1947, **32:** 113–9.—**Franck, R.** Der Mineralstoffgehalt der Nahrungsmittel. In his Mod. Ernährungsther., 3. Aufl., Berl., 1938, 42.—**Gridgeman, N. T., Lees, H., & Wilkinson, H.** The biological vitamin D assay of low-potency materials with special reference to the role of the mineral content of the diet. Biochem. J., Lond., 1939, **33:** 645–54.—**Haag, J. R., & Palmer, L. S.** The effect of variations in the proportions of calcium, magnesium, and phosphorus contained in the diet. J. Biol. Chem., 1928, **76:** 367–9.—**Metals,** other elements and residues in foods. In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 436–82.—**Milton, R., Hoskins, J. L., & Jackman, W. H. F.** The determination of the mineral content of foods by wet oxidation and absorptiometric methods. Analyst, Lond., 1944, **69:** 299–302.—**Morris, J. P., & Rosedale, J. L.** The mineral content of some tropical foods. Malay. M. J., 1935, **10:** 1–6.—**Remy, E.** Neuere Ergebnisse der vergleichenden Untersuchungen von Speisen verschiedener Gemeinschaftsküchen unter besonderer Berücksichtigung des physiologischen Mineralstoffbedarfs. Arch. Hyg., Münch., 1934–35, **113:** 143–57.—**Rin, T.** Nippon syokuhin no Mangan gan-yū-ryō ni tuite [On the manganese content of Japanese foodstuffs] Keiō igaku, 1937, **17:** 1345–50.—**Schmidt-Hebbel, H.** Los elementos minerales en los alimentos chilenos. Bol. Soc. quím. Perú, 1946, **12:** 95–105.— **Teneur** en chaux et en fer de nos aliments. Biol. méd., Par., 1904, **2:** 209.—**Wilson, H. E. C., Ahmad, B., & Mullick, D. N.** The ash, calcium, and phosphorus content of some common Bengali foodstuffs. Ind. J. M. Res., 1936–37, **24:** 797–800.

—— Consumption.

Budapest élelmiszerfogyasztásának ásványi anyagforgalma. Statiszt. ért., 1943, 27–35.—**Langfeldt, E.** Studier over vitaminforbruk og mineralstofforbruk i Norge. Nord. med. tskr., 1938, **15:** 244–50.—**Marczell, G.** Társadalmi tagozódás és évszakok befolyása az ásványi elemek fogyasztására. Statiszt. ért., 1944, **6:** 15–9.

—— experimental.

Mazé, P. Sur l'assimilation de quelques aliments minéraux par le rat blanc. C. rend. Soc. biol., 1931, **108:** 1032–4.— **Richter, C. P., & Eckert, J. F.** Mineral appetite of parathyroidectomized rats. Am. J. M. Sc., 1939, **198:** 9–16.

—— Food.

See also **Food.**

Lang, T. *Die Gefahr der Demineralisation und Transmineralisation unserer Nahrungsmittel. 14p. 8° Basel, 1930.

Also Schweiz. med. Wschr., 1930, **60:** 219–23.

Valentine, M. A. The mineral food system of health. 135p. 19cm. Oklahoma City, 1927.

Berg, R. Enthält unsere Nahrung genug Mineralstoffe? Zahnärztl. Rdsch., 1931, **40:** 74.—**Groot, J. de,** sr. [Investigation on the mineral constituents in our food] Geneesk. gids. 1938, **16:** 1107–13.—**Rice, F. E.** Protéines, substances minérales et vitamines dans le lait concentré non sucré. Médecin chez lui, 1935, **12:** No. 12, 33; passim.

—— Food plants.

Bircher, W. Pflanzengewachsene Mineralstoffe. Wendepunkt, Zür., 1947–48, **25:** 237–43.—**Cartenì, A., & Carandante, G.** Sul contenuto in ferro e in rame dei più comuni alimenti vegetali, e sulle variazioni che questi elementi subiscono in seguito alla cottura in acqua. Q. nutriz., Bologna, 1940–41, **7:** 80–8.—**Diemair, W.** Die Bedeutung des Obstes und Gemüses für die Mineralstoff-Versorgung. Schr. Reichsarb. Volksernähr., 1939, No. 8, 26–40.—**Maranon, J.** Nutritive mineral value of Philippine food plants (calcium, phosphorus, and iron contents) Philippine J. Sc., 1935, **58:** 317–58.—**Nagai, Y.** Ein Beitrag zur Mineralstofffrage der Gemüse. Pharm. Zhalle, 1924, **65:** 157–9.—**Nonnenbruch, W.** Obst- und Gemüseernährung und Mineralstoffwechsel. Aerztl. Prax., Wien, 1939, **13:** 193–6. Also Wien. klin. Wschr., 1939, **52:** 705–8.—**Sherman, H. C., & Ragan, M. S.** Quantitative distribution of phosphorus and calcium in certain fruits and vegetables. J. Nutrit., 1942, **23:** 283–92.

—— Hygienic aspect.

Forman, J. Minerals, soil and health. Trained Nurse, 1944, **112:** 259–62.—**Kallir, K. J.** Minerals essential for health and to prevent disease. S. Afr. M. J., 1948, **22:** 775.—**Kofler, O.** [Significance of physiologically balanced mineral supply: a new view-point in increased use of artificial fertilizer] Hygiea, Stockh., 1936, **98:** 132–9.—**Lieber, E.** The importance of mineral salts. Health Cult., N. Y., 1941, **47:** 21–3.—**McCreary, J. F.** Let's talk about the minerals. Health, Toronto, 1942–43,

10: 12.—**McKibben, W. W.** The value of the minerals in vegetables, fruits, and milk, in the diet of children. Internat. J. Orthodont., 1931, 17: 642–9.—**Magalhães, E. de.** Da mineração organica; utilidade da alimentação variada e perigo da superalimentação. In his Hyg. alim., Rio, 1908, 1: 231–8.—**Magan, P. T.** The role of minerals in nutrition. Health, Mount. View, 1941, 8: No. 2, 6.—**Ozorio de Almeida, A.** Os elementos quimicos necessarios aos seres vivos; rações minerais. Rev. med. cir. Brasil, 1940, 48: 21–31.—**Radusch, D. F.** Nutrition and dental health; mineral availability and utilization; summary of dietary needs and recommendations. J. Periodont., 1946, 17: 125–33.

—— Modified diets.

Castex, M. R., Bottro, A. (et al.) Metabolismo mineral y nutrición en los cardíacos; dieta baja en sodio y potasio. Bol. Acad. nac. med. B. Aires, 1941, 199–208.—**Huffman, C. F., Robinson, C. S.** [et al.] The effect of low calcium, high magnesium diets on growth and metabolism in calves. J. Nutrit., 1929–30, 2: 471–83.

—— Requirements.

Barbier, H. Besoins de l'organisme de l'enfant en éléments minéraux. J. diét., Par., 1911, 2: 123; passim.—**Chaussin, J.** Comment on peut fixer la ration de sel dans l'alimentation de l'organisme sain et de l'organisme malade; concentration maximum. C. rend. Ass. fr. avance. sc. (1912) 1913, 41: 464–8.—**Cianci, V.** I principi minerali nell'alimentazione del bambino. Pediatria (Riv.) 1938, 46: 285–312.—**Deuel, H. J., jr.** Caloric, vitamin and mineral requirements with particular reference to protein nutrition. In: Proteins & Amino Acids (Sahyun, M.) N. Y., 1948, 82–131.—**Khanolkar, V. R.** Note on a programme of work for a study of water and salt requirements in Indians. Rep. Sc. Adv. Bd Ind. Res. Fund Ass., 1945, 143–5.—**Macy, I. G., & Hunscher, H. A.** An evaluation of maternal nitrogen and mineral needs during embryonic and infant development. Am. J. Obst., 1934, 27: 878–88.—**Navarro, J. C., & Alzaga, S. de.** Sales minerales en la alimentación de los niños de segunda infancia. Bol. Acad. nac. med. B. Aires, 1935, 671–8.—**Randoin, L.** Les besoins de la population française en phosphore, calcium et vitamine D, aux différents âges de la vie, et dans divers états physiologiques, et les moyens de corriger les déficits actuel de ces principes nutritifs dans les rations alimentaires. Bull. Soc. sc. hyg. aliment., Par., 1942, 30: 118–24.—**Stearns, G.** Recent investigations in mineral nutrition. J. Am. Diet. Ass., 1942, 18: 366–9. —— Human requirement of calcium, phosphorus and magnesium. J. Am. M. Ass., 1950, 142: 478–85.—**Talbott, J. H., & Coombs, F. S.** Certain aspects of mineral requirements. J. Am. Diet. Ass., 1939, 15: 631–8.—**Widdowson, E. M.** Mineral requirements in human nutrition. J. State M., Lond., 1937, 45: 449–61.—**Woods, R.** Mineral review. Borden Rev. Nutr. Res., 1947, 8: No. 8, 1–11.

—— Sources and supply.

Armstrong, W. Where to get the vitamins and minerals important in human nutrition. 11p. 21cm. Stillwater, 1942.

Forms No. C-100 (or, No. 5, V ser.) Circ. Oklahoma Agr. Exp. Sta.

Gericke, S. Untersuchungen über die Mineralstoffversorgung der Berliner Bevölkerung. Aerztl. Wschr., 1946–47, 1–2: 899–905.

—— Trace elements.

Willis, L. G. Bibliography of references to the literature on the minor elements and their relation to plant and animal nutrition. 3. ed. 488p. 28cm. N. Y., 1939.

Bicknell, F. Trace elements. Lancet, Lond., 1942, 2: 657.—**Brockington, C. F.** Trace elements in relation to health. Pub. Health, Lond., 1944–45, 58: 19–21.—**Calvery, H. O.** Trace elements in foods. Food Res., 1942, 7: 313–31.—**Dalling, T., & Green, H. H.** Trace elements in relation to health. Nature, Lond., 1943, 151: 28–31.—**Daniel, E. P.** Mineral needs of man; trace elements. Yearb. U. S. Dep. Agr., 1939, 213–20.—**Eggleton, W. G. E.** Trace elements in nutrition. Caduceus, Hong Kong, 1938, 17: 47–73.—**Flaschenträger, B.** Ueber die biologische Bedeutung der Mineralstoffe insbesondere der Spurenelemente. Schweiz. med. Wschr., 1941, 71: 949–53.—**Forman, J.** The trace mineral elements in nutrition. Ohio M. J., 1942, 38: 937.—**Richet, C., Gardner, & Goodbody.** Effets des sels de zirconium, de titane et de manganese sur la nutrition. C. rend. Acad. sc., 1925, 181: 1105.—**Smith, A. H.** Trace elements in nutrition. J. Am. Diet. Ass., 1942, 18: 721–4.—**Souci, S. W.** Das Vorkommen und die biologische Bedeutung der Mikroelemente in der belebten Natur. Balneologe, 1939, 6: 465; 497.—**Spooner, P. F.** Trace elements in the body economy. Clin. Osteopath., 1940, 36: 479–82.—**Trace** elements in relation to health. Lancet, Lond., 1942, 2: 544. Also Vet. Rec., Lond., 1942, 54: 519–22.

—— in animals.

Kunzer, F. K. *Versuche über den Einfluss eines jodierten Futterkalk-Mineralsalzgemisches auf die Milchmengen mitteldeutscher Höhenrinder. 91p. 21cm. Lpz., 1936.

Bohstedt, G. Bovine nutrition and trace minerals. Vet. Med., Chic., 1949, 44: 451–3. Also Certif. Milk, 1950, 25: No. 2, 4.—**Corrie, F. E.** Minerals in the feeding of live stock. Pharm. J., Lond., 1933, 130: 361.—**DeWitt, J. B., Nestler, R. B., & Derby, J. V., jr.** Calcium and phosphorus requirements of breeding bobwhite quail. J. Nutrit., 1949, 39: 567–77.—**Du Toit, P. J., Malan, A. I.** [et al.] A study of the mineral content and feeding value of natural pastures in the Union of South Africa. Onderstepoort J. Vet. Sc., 1934, 2: 607–48.—**Du Toit, P. J., Malan, A. I., & Groenewald, J. W.** Minimum mineral requirements of cattle. Ibid., 565–606.—**Emerique, L.** Etude des équilibres minéraux alimentaires et de leur répercussion sur la composition chimique minérale du rat. Ann. physiol., Par., 1933, 9: 765–8.—**Fairbanks, B. W., & Curzon, E.** Animal nutrition; a brief survey of mineral metabolism for the busy practitioner. North Am. Vet., 1941, 22: 284–6.—**Grünigen, F. von.** Die physiologische Bedeutung des Mineralstoffgehaltes im Wiesenfutter mit besonderer Berücksichtigung des Kalis. Mitt. Lebensmitteluntersuch., Bern, 1935, 26: 139–45.—**Grunert, R. R., Meyer, J. H., & Phillips, P. H.** The sodium and potassium requirements of the rat. J. Animal Sc., 1949, 8: 620.—**Knox, J. H., Benner, J. W., & Watkins, W. E.** Seasonal calcium and phosphorus requirements of range cattle, as shown by blood analyses. Nutrit. Abstr., Aberdeen, 1942–43, 12: 507 (Abstr.)—**Marek, J., Wellmann, O., & Urbányi, L.** Veränderungen des Ferkelblutes unter dem Einfluss eines Futters von verschiedener mineralstofflicher Zusammensetzung. Zschr. physiol. Chem., 1938–39, 257: 246–54. —— Untersuchungen über den Mineralstoffwechsel des tierischen Organismus; Beeinflussung des Stoffwechsels im Ferkelkörper durch ein Futter mit verschiedener mineralstofflicher Zusammensetzung bei verschiedener Kalkergänzung. Arch. wiss. prakt. Tierh., 1940–41, 76: 387–99. —— Beeinflussung des Stoffwechsels durch eine phosphor-bzw. eine kalküberschüssige Fütterung bei Ferkeln. Ibid., 400–6. Also Vet. Bull., Lond., 1942, 12: 387 (Abstr.) —— Beeinflussung des Stoffwechsels im Ferkelkörper durch ein verschiedengradig mit Kalkcarbonat ergänztes Futter bei gleichbleibenden Phosphorgehalt. Arch. wiss. prakt. Tierh., 1941–42, 77: 451–9.—**Meyer, J. H., Grummer, R. H.** [et al.] Preliminary studies on the sodium and chlorine requirement of pigs. J. Animal Sc., 1949, 8: 626.—**Mitchell, H. H.** The mineral requirements of farm animals. Ibid., 1947, 6: 365–77.—**Müller-Lenhartz.** Zur Vitamin- und Mineralstoffrage in der Ernährung der Nutztiere. Tierärztl. Umsch., 1947, 2: 265.—**Redina, L.** Ueber die Wechselwirkung der Na^+-, K^+- und Ca^{++}-Ionen in ihrem Einfluss auf das Gewicht der Tiere bei künstlicher Ernährung. Biochem. Zschr., 1926, 176: 253–65.—**Reid, J. T., Ward, G. M., & Salisbury, R. L.** Mineral metabolism studies in dairy cattle; effects of mineral supplementation of the prepartal diet upon the composition of the blood of cows and their calves at parturition. J. Nutrit., 1948, 36: 75–89.—**Ross, O. B., Harper, H. J.** [et al.] The effect of improved pastures upon the mineral metabolism and growth of beef steers. J. Animal Sc., 1949. 8: 636.—**Scharrer, K.** Die Bedeutung der Mineralstoffe für die tierische Ernährung. Tierärztl. Umsch., 1947, 2: 197–203.—**Stockklausner.** Neuere Forschungsergebnisse auf dem Gebiete der Mineralstoffütterung. Münch. tierärztl. Wschr., 1935, 86: 457–61.—**Tyler, C.** The mineral requirements and metabolism of poultry; calcium and phosphorus. Nutrit. Abstr., Aberdeen, 1948–49, 18: 261; passim.

—— in plants.

Déléano, N. T. *Etude sur le rôle et la fonction des sels minéraux dans la vie de la plante. 61p. 8° Genève, 1908.

Arnon, D. I. Mineral nutrition of plants. Annual Rev. Biochem., 1943, 12: 493–528.—**Avery, G. S., jr, Burkholder, P. R., & Creighton, H. B.** Plant hormones and mineral nutrition. Proc. Nat. Acad. Sc. U. S., 1936, 22: 673–8.—**Böning, K., & Böning-Seubert, E.** Ueber die Beziehungen zwischen Infektionstypus, Aufbau und Stoffwechselverlauf bei verschiedener Mineralsalzernährung der Pflanze. Zbl. Bakt., 2. Abt., 1933, 89: 85–106. —— Ueber Aufbau und Stoffwechsel der Pflanze unter dem Einfluss der Mineralsalzernährung; der Zuckergehalt des Presssaftes von Tabakblättern in seiner Abhängigkeit von der Mineralsalzernährung der Pflanze. Biochem. Zschr., 1935, 278: 71–88.—**Brown, H. D., Patton, M. B.** [et al.] Influence of mineral levels upon carotene and ascorbic acid contents of Swiss chard grown in the greenhouse. Food Res., 1947, 12: 4–9.—**Chailakhian, M. C., & Lukovnikov, E. K.** Development of plants growing under different light conditions as affected by mineral nutrition. C. rend. Acad. sc. URSS, 1941, 32: 152–5.—**Diller, J. D., Whittaker, C. W., & Anderson, M. S.** Effect of mineral nutrition on the vigor and susceptibility to blight of old Japanese chestnut trees. Phytopathology, 1946, 36: 554–6.—**Erkama, J.** Effect of copper on the iron uptake of plants. Acta chem. scand., 1949, 3: 850–7.—**Ferres, H. M., & Brown, W. D.** The effects of mineral nutrients on the concentration of ascorbic acid in legumes and two leaf vegetables. Austral. J. Exp. Biol., 1946, 24: 111–9.—**Hellerman, J. M.** Some data on the mechanism of mineral nutrition of plants by adsorbed ions. C. rend. Acad. sc. URSS, 1947, 55: 543–6.—**Hoagland, D. R.** Mineral nutrition of plants. Annual Rev. Biochem., 1932, 1: 618; 1933, 2: 471.—**Krupski,**

A., Huber, H. [et al.] Beziehungen zwischen Bodenbeschaffenheit und Gehalt des Futters an lebensnotwendigen Mineralstoffen. Schweiz. Arch. Tierh., 1947, **89:** 476; passim.—**Lindegårdh, H.** Mineral nutrition of plants. Annual Rev. Biochem., 1934, **3:** 485–500. ——— Transport of water and salts through plant tissues. Nature, Lond., 1946, **157:** 575–7.—**Mazé, P., & Mazé fils, P. J.** Influence de la nutrition minérale sur la résistance de la plante aux maladies microbiennes. C. rend. Soc. biol., 1941, **135:** 999–1001. ——— & **Anxionnaz, R.** Recherches sur le pouvoir absorbant des racines. Ibid., 1935, **120:** 693–5.—**Nath, B. V.** A century of Liebig's theory of mineral nutrition of plants and of soil fertility. Current Sc., Bangalore, 1940, **9:** 529–32.—**Pantanelli, E.** Influenza della concentrazione sul meccanismo di assorbimento dei sali nelle piante. Arch. sc. biol., Nap., 1928, **2:** 163–80.—**Petrie, A. H. K.** Mineral nutrition of plants. Annual Rev. Biochem., 1942, **11:** 595–614.—**Pirschle, K.** Die Bedeutung der Spurenelemente für Ernährung, Wachstum und Stoffwechsel der Pflanzen. Erg. Biol., 1938, **15:** 67; 1939, **17:** 255.—**Scott, G. T.** The mineral composition of Chlorella pyrenoidosa grown in culture media containing varying concentrations of calcium, magnesium, potassium, and sodium. J. Cellul. Physiol., 1943, **21:** 327–38.—**Shkolnik, M. J.** Mineralnoe pitanie; važnyj faktor polućenija napravlennykh izmenenij rastenij. Priroda, 1949, No. 7, 25–32.—**Turner, T. W.** Studies of the mechanism of the physiological effects of certain mineral salts in altering the ratio of top growth to root growth in seed plants. Am. J. Bot., 1922, **9:** 415–45.

MINERAL oil.

See also **Liquid petrolatum; Mineral jelly.**

Bordas, F. Critique des définitions des huiles minérales combustibles. Ann. falsif., Par., 1934, **27:** 550.—**Halstrick, J.** Verunreinigungen von Trinkwasser durch Mineralöle und experimentelle Versuche zu deren Nachweis mit Hilfe der Lumineszenzanalyse. Bull. Hyg., Lond., 1943, **18:** 573 (Abstr.)—**Koefoed, H. G.** Mineral oils. In: Human. & Sc. in Denmark. Kbh., 1948, 614–6.—**Krczil, F.** Aufbereitung gealterter Mineralöle. Kolloid Zschr., 1936, **76:** 249–54.—**Muller, G.** Sur l'oxydation des huiles minérales par l'oxygène gazeux à des températures modérécs. C. rend. Acad. sc., 1935, **200:** 1769–72.—[**Paris,** Préfecture de police] Ordonnance concernant la fabrication et le commerce des huiles minérales et autres hydrocarbures. J. chim. méd., Par., 1869, 5. sér., **5:** 136–41.—**Spannagel.** Neuregelung des Verkehrs mit Mineralölen und die daraus sich ergebenden Aufgaben für die Gewerbeaufsicht. Zbl. Gewerbehyg., 1925, n. F., **2:** 351–6.—**Vellinger, E., & Herrenschmidt, J. D.** Sur la température critique de dissolution des huiles minérales. C. rend. Acad. sc., 1935, **201:** 780 2.—**Vellinger, E., & Muller, G.** Sur l'oxydation des huiles minérales par l'oxygène atmosphérique à des températures modérées. Ibid., 1934, **198:** 2252–4.—**Weber, H. H.** Einige Beobachtungen, kleine Mengen Mineralöle in verschiedenen pulverförmigen Stoffen betreffend. Zbl. Gewerbehyg., 1933, n. F., **10:** 214–6.

—— Biological relations.

Alexander, B., Lorenzen, E. [et al.] The effect of ingested mineral oil on plasma carotene and vitamin A. Proc. Soc. Exp. Biol., N. Y., 1947, **65:** 275–8.—**Curtis, A. C.** The mineral oil vitamin A problem. Virginia M. Month., 1942, **69:** 235.—**Edwards, G. A., Buell, C. B., & Weston, W. H.** The influence of mineral oil upon the oxygen consumption of Sordaria fimicola. Am. J. Bot., 1947, **34:** 551–5.—**Haas, H. F., & Bushnell, L. D.** The production of carotenoid pigments from mineral oil by bacteria. J. Bact., Balt., 1944, **48:** 219–31.

—— Paraffin.

See also **Liquid petrolatum.**

Courcoux, A. Image pulmonaire transitoire par vapeurs d'huile de paraffine. Rev. tuberc., Par., 1942, 5. sér., **7:** 152–5.—**Druce, S.** Note on the B. P. sulphuric acid test for liquid paraffin. Analyst, Lond., 1948, **73:** 617.—**Evans, G., & Bicknell, F.** Any substitute for liquid paraffin? Lancet, Lond., 1941, **1:** 552.—**Liquid** paraffin and mineral oil. Rep. Chief M. Off. Min. Health, Lond. (1947–48) 1949, 113.—**Lundbaek, K., & Maaløe, O.** Non absorption of finely emulsified paraffinum liquidum in the intestine of the rat. Acta physiol. scand., 1947, **13:** 247–52.—**Rae, J.** The effect of heat on liquid paraffin. Pharm. J., Lond., 1945, **100:** 155.—**Rowntree, C.** A note on the use of paraffinum liquidum (B. P.) as an immersion oil. J. Path. Bact., Lond., 1908–09, **13:** 28.—**Sprowls, J. B.** Cloudiness in liquid petrolatum sprays. J. Am. Pharm. Ass., Pract. Pharm. Ed., 1949, **10:** 228–30.

—— Pharmacology.

Roche, J. *Essai d'analyse immédiate de quelques huiles minérales [Pharm.] 106p. 24cm. Par., 1936.

Demesse, J., & Réaubourg. Sur les huiles de schistes à ichtyol et les produits qui en dérivent. Bull. Acad. méd., Par., 1938, **120:** 420–7.—**Driver, R. L.** The inhibitory effect of mineral oil on the experimental production of ulcers. Am. J. Digest. Dis., 1945, **12:** 395.—**Greenberg, B. E., & Brodny, M. L.** The therapeutic use of sterile mineral oil in the bladder. N. England J. M., 1932, **206:** 122–4.—**Kunz, E. C., & Fiore, A. T.** Mineral oil solutions. U. S. Patent Off., 1940, No. 2,202,387.—**Martinotti, L.** Gli olii minerali nella terapia dermopatica. Arch. ital. derm., 1928–29, **4:** 284–6.—**Paul, H. E., & Paul, M. F.** The effect of mineral oil on food utilization; caloric value of food. Am. J. Digest. Dis., 1950, **17:** 55–7.—**Rothe, E.** Dreissig Jahre Vasogen-Therapie. Med. Klin., Berl., 1927, **23:** 1697.—**Stryker, W. A.** Absorption of liquid petrolatum, mineral oil, from the intestine. Arch. Path., Chic., 1941, **31:** 670–92.—**Thiele, G. H.** Mineral oil and saline laxatives; relationship to anorectal infections and their treatment. South. M. J., 1942, **35:** 920–6.—**Weighart, J. B., & McDonald, R. F.** A medical comparison of castor and mineral oil. West. M. Times, 1917, **37:** 154.

—— Untoward effect.

See also **Carcinoma** subheadings (Causes: Chemical substances; experimental: Carcinogenic agents)

Boer, H. W. de, & Bosgra, O. [Investigation on injury by mineral oils (plataan oil)] Antonie van Leewenhoek, 1937, **4:** 147–63.—**Cruickshank, C. N. D.** The evaluation of skin cleansers and protective creams for workmen exposed to mineral oil. Brit. J. Indust. M., 1948, **5:** 204–12. ——— & **Squire, J. R.** Skin cancer in the engineering industry from the use of mineral oil. Ibid., 1950, **7:** 1–11, illust.—**Fiocco, G. B.** Dermatosi da olii minerali. Gior. ital. derm. sif., 1937, **78:** Suppl., 80–2.—**Klauder, J. V.** Actual causes of certain occupational dermatoses; a study of 527 cases, with special reference to dermatoses due to mineral oils. Arch. Derm. Syph., Chic., 1943, **48:** 579–600.—**Langer, C.** Betriebsärztliche Erfahrungen über Hautschäden durch Mineralöle. Schr. Arbeits &c. Med., 1945, No. 13, 35–41.—**Leonardo, R. A.** Shale oil cancer. N. York State J. M., 1938, **38:** 1134.—**Lorenz, E., & Stewart, H. L.** Tumors of alimentary tract in mice fed carcinogenic hydrocarbons in mineral-oil emulsions. J. Nat. Cancer Inst., 1948–49, **9:** 173–80.—**Lyth, R.** The relation of carcinogenicity of mineral oils to certain physical and chemical characteristics of these oils. J. Indust. Hyg., 1933, **15:** 226–37.—**Morgan, J. W.** Misgivings on mineral oil as a laxative. Am. J. Surg., 1938, **42:** 360–4.—**Prokofjeva, O. G.** [Blastogenic effect of certain mineral oils; experiments with sulphofresol] Arkh. biol. nauk, 1938, **51:** No. 3, 120–6, pl.—**Puccinelli, V.** L'attività delle pomate barriera nella prevenzione delle follicoliti da olii minerali. Med. lavoro, 1948, **39:** 289–91.—**Schneider, L.** Pulmonary hazard of the ingestion of mineral oil in the apparently healthy adult; a clinicoroentgenologic study, with a report of five cases. N. England J. M., 1949, **240:** 284–91.—**Twort, C. C., & Lyth, R.** The violence of reaction of the animal in relation to the etiology of cancer and inflammation. J. Hyg., Cambr., 1935, **35:** 404–11. ——— Commercial and molecular distillates of mineral oils in relation to their carcinogenicity. Ibid., 1938, **38:** 269–72. ——— & **Twort, J. M.** The significance of density, refractive index and viscosity of mineral oils in relation to the type and degree of animal reaction. Ibid., 1937, **37:** 14–29.—**Twort, C. C., & Twort, J. M.** The carcinogenic potency of mineral oils. J. Indust. Hyg., 1931, **13:** 204–26. ——— Induction of cancer by cracked mineral oils. Lancet, Lond., 1935, **2:** 1226–8.—**Twort, J. M., & Lyth, R.** The concentration of carcinogenic materials in mineral oils by distillation processes. J. Hyg., Lond., 1939, **39:** 161–9. ——— The reduction of the carcinogenic and dermatitic activity of shale oil recovered from the peritoneal cavities of injected mice. Ibid., 1940, **40:** 434–8.—**Tzanck, A., Sidi, E., & Dobkevitch, S.** Les dermites provoquées par les huiles minérales. Sem. hôp., Par., 1948, **24:** 343–7.—**Verkhovspaja, R. I.** [Experimental investigations of the action of certain mineral oils on the skin of mice; experiments with emulsol] Arkh. biol. nauk, 1941, **61:** No. 2, 47–53.—**Wood, F. C.** The noncarcinogenic nature of purified mineral oils. J. Am. M. Ass., 1930, **94:** 1641–3.

MINERAL spring.

See **Mineral water.** For geography of springs see **Mineral waters (and spas)**

MINERAL therapy.

See also **Mineral drug; Mineral water,** Therapy.

Baastrup, C. I. [Mineral salt therapy] Ugesk. laeger, 1928, **90:** 547–9.—**Cornelius.** Zur therapeutischen Anwendung der Mineralstoffe. Zschr. phys. diät. Ther., 1910, **14:** 513–27.—**Gaube, J.** La minéralogie biologique; applications thérapeutiques. Rev. gén. clin. thér., 1901, **15:** 145–8.—**Guy, W. B.** Hydrochloric acid and mineral therapy. Med. World, 1936, **54:** 716; 728.—**McCance, R. A.** Mineral salts in therapy. Lancet, Lond., 1938, **1:** 499–501.—**Mainzer, F.** Zur Kritik der sogenannten Mineralsalztherapie. Klin. Wschr., 1929, **8:** 1666.—**Mancini, S.** Progressi della terapia minerale. Osp. Costanzo Ciano, Livorno, 1938, **14:** 18–36.—**Markuze, K. P.** [Effect of protracted injections of mineral salts into the organism upon the reactions of the mesenchyme and the so-called mesoglias in normal and tumorous animals] Tr. Vseross. konf. patologov (1934) 1935, 47–59.—**Mineral** salts in therapy: discussion at the Royal Society of Medicine. Pharm. J., Lond., 1938, **86:** 241.—**Schwab, F.** Arrangement for applying chemicals and minerals for therapeutical purposes. U. S. Patent Off., 1951, No.

2,539,036.—**Sinozaki, S.** Tamura Ransui Sensei no sekiyaku ginmi [A criticism of the use of minerals for medicinal purposes as advocated by Dr. Ransui Tamura] Kanpō & kanyaku, 1935, **2**: 1275–8.—**Was** jeder von der Biochemie wissen sollte. Mitt. Biochem., 1936, **43**: 67–9.

—— Folklore.

See also **Folklore, medical.**

Kiyono, K. Sō-i; kōbutu-sei iyaku [Priest-doctors; mineral drugs] In his Indonesia no minzoku igaku, Tokyo, 1943, 322.—**Koenigswald, R. v.** Over het gebruik van fossielen en mineralen als geneesmiddel bij de Chineezen in Insulinde. Pharm. tschr. Ned. Indië, 1932, **9**: 41–4, pl.—**Ponder, E.** The reputed medicinal properties of precious stones. Pharm. Advance, 1926, **7**: 7–9.—**Silva Carvalho.** Mezinhas e remedios de segredo; pedras preciosas; os pensos alcoolicos; o Ayapan. Med. contemp., Lisb., 1926, **44**: 361–3.—**Sympathetisches** Saltz (1729) In: Aerzte & Kurpfuscher (Buchner, E.) Münch., 1922, 217 (Marg. No. 266)

—— Indication.

Bottin, J. Quelques exemples de réhydratation et de reminéralisation dans la clinique chirurgicale. Ann. Soc. méd. chir. Liége, 1936, **69**: 155–61.—**Conradt, J.** Thérapeutique de réhydratation et de reminéralisation en urologie. Ibid., 151–4.—**Moranville, I. W.** Animal nutrition and mineral therapy. M. S. C. Vet., East Lansing, 1949–50, **10**: 53–8.—**Roux, A.** Le sel; son rôle dans l'organisme humain; ses indications et contre-indications en thérapeutique. In: Et. hydr. clin. mal. reins (Porge, D.) Par., 1935, 159–81.

—— Transmineralization.

See also **Mineralization**; also **Acid-base equilibrium, Disorders; Acidosis; Alkalosis.**

Baccarani, U. Osservazioni intorno alla cura mineralizzante. Gazz. osp., 1919, **40**: 586–91. ——— Novas orientações e novos aspectos do tratamento mineralizante. Arch. biol., S. Paulo, 1927, **11**: 25–9.—**Desbouis, G., & Langlois, J. P.** Effet sur le sang des inhalations de vapeurs d'essences minérales. C. rend. Soc. biol., 1906, **61**: 70–2.—**Fleig.** Sérums artificiels à minéralisation complexe. Rev. path. comp., Par., 1907, **6**: Jul., 25.—**Oehme.** Die Rolle des Blutes bei der Transmineralisation. Verh. Deutsch. Ges. inn. Med., 1928, **40**: Kongr., 384.—**Reinemer, P.** Untersuchungen zur Frage der Transmineralisation in Lymphknoten. Biochem. Zschr., 1933, **257**: 442–9.—**Richter-Quittner, M.** Beitrag zur experimentellen Transmineralisation des Blutes. Zschr. ges. exp. Med., 1925, **45**: 479–83.—**Schmitt, F.** Transmineralisationsvorgänge bei Super-, Sub- und Anacidität und ihre therapeutische Beeinflussung. Deut. Arch. klin. Med., 1939–40, **185**: 317–37.—**Schwartz, J.** Le foie et la reminéralisation. Strasbourg méd., 1936, **96**: 390.

MINERAL vapor.

See also **Mineral water, Inhalation.**

Rice, F. D. Mineral vapor generating cabinet. U. S. Patent Off., 1950, No. 2,507,815.

MINERAL water.

For geography of waters see **Mineral waters (and spas)** See also **Hydrology; Hydrotherapy.**

Giusto, D. Un po' di scienza in famiglia; parte prima, la casa e l'acqua. 157p. 18cm. Genova, 1878.

Alquier. L'âme des sources et le verre intégral. Presse therm. clim., 1938, **79**: 589–92.—**Baril, G.** Les eaux minérales. J. Hôtel Dieu Montréal, 1937, **6**: 258–76.—**Creyx.** Les eaux minérales. J. méd. Bordeaux, 1931, **108**: 7.—**Domínguez, G.** Aguas minerales. Rev. pub. nav., B. Air., 1949, **2**: 87–116.—**M., W.** Wissenswertes von unseren Heilquellen. Gesundheit, Derendingen, 1946, **20**: No. 7, 5.—**Nasini, R.** La acque minerali alla luce delle moderne ricerche; considerazioni e proposte. Riv. idr. clim., 1928, **39**: 437–44.—**Salmon, J.** Le rôle des eaux naturelles dans l'hygiène et la thérapeutique. Mouvem. san., Par., 1939, **16**: 293–312.—**Soto, J. R.** Plantas medicinales, relación de los usos en cada región; aguas minerales; análisis y propiedades terapéuticas, si se conocen. Tr. Congr. méd., nac., Cochabamba (1943) 1945, 2. Congr., 53–6.—**Waters.** brine, and salt. In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 629–56.

—— Absorption.

See also subheading (Digestive effect)

Buergi, E. The permeability of the skin to gases and salts from mineral springs. Arch. M. Hydr., Lond., 1938, **16**: 35–7.—**Chabrol, E., Charonnat, R.** [et al.] Recherches biologiques sur l'absorption intestinale des eaux minérales. Paris méd., 1936, **99**: 333.

—— acidulous.

McClellan, W. S. The relation of naturally carbonated mineral waters to general nutrition and dietary deficiencies. 2. print. 7p. 23cm. N. Y., 1942.

Forms No. 11, Pub. Saratoga Spa. Also: J. Am. Diet. Ass., 1940, **16**: No. 5.

Benatt, A. Zur quantitativen Bestimmung der Gesamtkohlensäure in den Mineralquellen. Zschr. ges. phys. Ther., 1933, **45**: 278–83.—**Bert, J. M.** Pharmacologie des eaux carbogazeuses. Gaz. méd. France, 1948, **55**: 269–72.—**Bonnamour, S.** Action pharmacodynamique de l'acide carbonique en hydrologie. Presse therm. clim., 1927, **68**: 529–39.—**Coleschi, L.** Contributo allo studio delle acque carboniche naturali. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7**. Congr., 560–83.—**Fresenius, L.** Ueber den Zustand der Kohlensäure in Mineralwässern. Zschr. wiss. Bäderk., 1929–30, **4**: 89–92.—**Haertl, P.** Einiges über Entstehung Auftrieb der Kohlensäure in natürlichen Mineralwässern. Med. Welt, 1931, **5**: 488–90. ——— Grundlegende Versuche zur Feststellung der Kohlensäuregasbindung in rein natürlichen, imprägnierten und künstlichen Mineral- und Tafelwässern. Zschr. Kurortwiss., 1932–33, **2**: 35–44.—**Hellebrandt, F. A., & Houtz, S. J.** The influence of naturally carbonated mineral water on gastric motility and the secretion of hydrochloric acid. Arch. Phys. M., 1950, **31**: 25–34.—**Kunszt, J.** Ueber einige physikalische Eigenschaften der in natürlichen und künstlichen kohlensauren Wässern enthaltenen Kohlensäure. Zschr. ges. phys. Ther., 1929–30, **38**: 63–8.—**Leibov, Z.** [Methods in carbonating of water] Radianska med., 1939, **4**: No. 3, 73–5.—**Martínez Casado, A.** Efectos de las aguas acidocarbónicas. Siglo méd., 1936, **97**: 389–91.—**Mengano, G.** Sull'azione microbicida dell'acido carbonico in acque minerali potabili e in acque artificiali sopraccariche del medesimo acido (metodo Sparklet) Gazz. internaz. med. chir., 1930, **38**: 631–5.—**Schott, A.** Carbon dioxide thermo-saline springs in the light of modern research. Lancet, Lond., 1928, **1**: 546–8.—**Seel, H.** Klinisch-pharmakologische Untersuchungen über die Wirkung von Trinkkuren mit CO_2-armen und CO_2-reichem Mineralwasser. Wien. med. Wschr., 1938, **88**: 850–2.—**Sipöcz, L.** Ueber Messen und Verwenden von frei abströmender Quellenkohlensäure. Zschr. Balneol. Klim., 1918, **11**: 75.—**Vinaj, A.** Acque e bagni carbogasosi. Forze san., Roma, 1933, **2**: 107–17.—**Wollmann, E.** Die bei der Förderung und Erwärmung von Heilwässern auftretenden Verluste an CO_2-Gehalt und Wege zu ihrer Vermeidung. Balneologe, 1943, **10**: 237; 261.

—— Adulteration.

Bonjean, E. Eaux gazeuses; fabrication des eaux de Seltz; tolérance accordée aux débitants. Ann. falsif., Par., 1913, **6**: 297–300.—**D'Arsonval, Bordas, F., & Touplain.** Les eaux minérales des groupes d'Aix-les-bains et Marlioz (Savoie) Ibid., 1923, **16**: 268–86.—**Eau (L')** de Hunyadi-János en justice. Ann. pharm., Louvain, 1900, **6**: 549.—**Meillère.** Les eaux minerales et les eaux de sources; rapport sur un projet de décret portant réglementation sur la répression des fraudes. Ann. falsif., Par., 1921, **14**: 237–41.

—— Aerosol.

See subheading (Inhalation)

—— Ageing and deterioration.

Delore, Milhaud & Loude. Influence du vieillissement sur le pouvoir réducteur de quelques eaux minerales. Presse therm. clim., 1947, **84**: 85.—**Harpuder, K.** Die Haltbarkeit der Mineralwässer beim Versand. Zschr. wiss. Bäderk., 1927–28, **2**: 968–70.—**Jullien, J.** A propos du vieillissement de certaines eaux minérales, après leur prélèvement. Presse therm. clim., 1948, **85**: 16.—**Kopaczewski, W., Ninard, J., & Ninard, B.** Vieillissement des eaux minérales. C. rend. Acad. sc., 1947, **225**: 135–7.

—— alkaline.

See also subheading (bicarbonate)

Aguiar Pupo, J. de. Estudo geral das águas minerais alcalinas. Arq. cir. clín. exp., S. Paulo, 1942, **6**: 893–902.—**Chabrol, E., & Sallet, J.** La glycémie adrénalinique chez le chien soumis à des injections intraveineuses lentes et continues d'eau minérale alcaline. C. rend. Soc. biol., 1936, **121**: 733–5.—**Dresel, J.** Die Einwirkung der alkalischen Wässer bei Paradentose. Zschr. Kurortwiss., 1932–33, **2**: 614–7.—**Erdélyi, P.** [Drinking of alkaline, saline mineral waters] Budapesti orv. ujs., 1938, **36**: 530–3.—**Fiomeni, M.** Ricerche farmacodinamiche sulle acque minerali, contributo al modo di azione delle acque alcalinomiste sulla fibra muscolare liscia in condizioni normali e patologiche. Arch. farm. sper., 1935, **60**: 449–77. ——— Azione anti-anafilattica di un'acqua minerale alcalinomista somministrata per os a cavie in stato allergico alimentare. Boll. Soc. ital. biol. sper., 1941, **16**: 221–3.—**Frank, M.** [Alkaline mineral waters] Budapesti orv. ujs., 1938, **36**: 535–7.—**Glénard, R.** L'évolution des eaux alcalines au rayonnement Tyndall. Bull. Acad. méd., 1937, 3. ser., **118**: 315–7. ——— L'évolution des eaux alcalines au rayonnement diffusé de Tyn-

dall. Ann. Inst. hydr., Par., 1938–39, **12:** 46–55. ——— Nouvelles recherches sur les eaux alcalines à la source. Bull. Soc. méd. Paris, 1939, 168–71. ——— Rôle de la physiothérapie dans les cures alcalines. Presse therm. clim., 1939, **80:** 187–90. ——— **& Lescoeur, L.** Etat réducteur des eaux alcalines à la source. Bull. Acad. méd., Par., 1943, **127:** 529–32.—**Harpuder, K.** Alkalien, alkalische Mineralwässer und Reaktionsregulierung des Körpers. Zschr. Kurortwiss., 1932–33, **2:** 85–91.—**Harrassowitz, H.** Die alkalischen Quellen in ihrer geochemischen Bedeutung. Ibid., 211–6.—**Haus-Hausen, H.** Die Wirkungen alkalisch-muriatischer Quellen. Wien. med. Wschr., 1928, **78:** 451–4.—**Kisch, E. H.** Alkalische Mineralwässer. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1907, **1:** 337–45.—**Lassalle, H., & Fache, J.** Influence du pH des eaux alcalines sur leur évacuation gastrique. C. rend. Soc. biol., 1926, **95:** 76.—**Melocchi, W.** L'azione diuretica delle acque alcaline studiata con il metodo di Rehberg. Arch. ital. Sc. farm., 1936, **5:** 269–79.—**Queirolo, G. B.** Sulle indicazioni delle acque alcaline. Gior. med. prat., 1923, **5:** 223; 1924, **6:** 1.

—— Analysis.

Bleyer, B., & Souci, S. W. Wasser und Luft. 3. Tiel. Untersuchung und Beurteilung des Wassers. 347p. 25½cm. Berl., 1941.

Forms Pt 3, v.**8,** Handb. Lebensmitt. Chem.

Fresenius, R., Dick, W., & Hartmann, W. M. Charakteristik, Untersuchung und Beurteilung der Mineralwässer. p.1–190. 25½cm. Berl., 1941.

In: Handb. Lebensmittelchem., Berl., 1941, **8:** T. 3.

Gesner, C. Von der Untersuchung der Mineralwassern. p.303–32. 19½cm. Zür., 1766.

Also: Abh. Naturforsch. Ges. Zürich. 1766, **3:**

Análisis de aguas minerales. An. Dep. nac. hig., B. Air., 1913, **20:** 1259–63.—**Ballezo, H.** Moderne Kurzdarstellung der Heilquellenanalytik. Wien. med. Wschr., 1949, **99:** 153.—**Beythien, A.** Ueber die Beurteilung der Mineralwässer. Zschr. Untersuch. Lebensmitt., 1930, **60:** 142–56.—**Costanzo, G.** O valor relativo de alguns resultados analiticos nas aguas minerais. Impr. med., Rio, 1934, **10:** 291; 316.—**Cuau, C.** Nouveau mode d'alimentation de l'auditohmmètre au moyen de courant alternatif redressé. Ann. falsif., Par., 1934, **27:** 280–2.—**Dalmady, Z.** Zur graphischen Darstellung der chemischen Zusammensetzung der Mineralwasser. Zschr. ges. phys. Ther., 1927, **34:** 144–8.—**Diem, K.** Zur einheitlichen Darstellung der Analysen der Mineralwässer. Wien. med. Wschr., 1930, **80:** 1224–6.—**Ferrero, L. O.** Analisi di un'acqua minerale. Gior. farm. chim., Tor., 1864, **13:** 199–201.—**Fresenius, L.** Grundsätze für die Darstellung der Mineralwasseranalysen. Zschr. wiss. Bäderk., 1927–28, **2:** 965–8. ——— Richtlinien für die Untersuchung von Mineralquellen. Ibid., 1929–30, **4:** 668–71.—**Fresenius, R., & Grünhut, L.** Apparat zur angenäherten Bestimmung des freien Kohlendioxyds in Mineralwässern. Zschr. Balneol. Klim., 1916–17, **9:** 7–9.—**Hirsch, A. A.** Graphical representation of mineral components in water analyses. Indust. Engin. Chem., Anal. Ed., 1932, **4:** 405.—**Kukowka, A.** Brunnenanalysen. In his Heilquell. Thüring., Rudolstadt, 1948, 145–52.—**Mineral** water. In: Official & Tent. Meth. Analys. (U. S. Ass. Off. Agr. Chemists) 6. ed., Wash., 1945, 639–51.—**Nanedović, L.** [Graphic demonstrations of analysis of mineral waters] Vest. Cesk. fysiat. spol., 1938, **18:** 282–9.—**Nussberger, G.** Ueber die Darstellung der Analysenwerte bei Mineralwässern. Schweiz. med. Wschr., 1933, **63:** 375–7. Also Mitt. Lebensmittelunters., 1934, **25:** 326–34. ——— Einführung in die neue Darstellung der Analysenresultate nach der I. S. M. In: Mineral etc. Quellen Schweiz (Schweiz. Ver. analyt. Chem.) Bern, 1937, 64–72.—**Pelon, H.** Applications de la cryoscopie à la thérapeutique hydrominerale. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7.** Congr., 116–8.—**Scheminzky, F.** Sind Vorschriften für Heilquellen-Analysen zweckmässig? Zschr. phys. Ther., Wien, 1948, **1:** 105.—**Segawa, R.** Saikin kōsen bunseki-hō no sinpo ni tuite [Recent progress in methods of analyzing mineral springs] Yakugaku zassi, 1921, 453–63.—**Sumuleanu, C.** Modul de exprimare al analizelor apelor minerale. Misc. med. român., 1937, **10:** 362.—**Tillmans, J.** Leitsätze über die Beurteilung von Mineralwässern und künstlichen Mineralwässern. Zschr. Untersuch. Lebensmitt., 1932, **64:** 51–65.—**Topa, D.** Di un nuovo metodo che tende a differenziare, riconoscere e individuare le acque naturali e minerali. Boll. Soc. ital. biol. sper., 1941, **16:** 291.—**Touplian, F.** Du régime des sources hydrominérales: déterminations physico-chimiques à effectuer sur le terrain. Ann. falsif. Par., 1926, **19:** 396; 467.—**Treadwell, W. D.** Neuere Methoden und Möglichkeiten der Quellenanalyse. Schweiz. med. Wschr., 1943, **73:** 944.

—— Analysis, chemical.

See also other subheadings (Chemical properties; Composition)

Nippon Yakugakkai. Eisei tyōsa iin-kai kyōtei; kōsen kensa-hō [Methods of examining mineral springs] 81p. 21cm. Tokyo, 1921.

Forms Suppl. to Yakugaku zassi, 1921.

Thomasson, P. *Etude critique des méthodes chimiques de dosage des ions dans les eaux minérales. 159p. 25cm. Lyon, 1938.

Benito Landa, T. de. Constitución química de las aguas medicinales. In his Climatología, Madr., 1942, **1:** 232–71.—**Bossuet, R.** Recherches des métaux alcalins dans les eaux naturelles. C. rend. Acad. sc., 1934, **199:** 131; 1936, **202:** 1162.—**Burkard, R.** Ueber die Bestimmung kleiner Eisen- und Phosphatmengen in natürlichen Gewässern. Mitt. Lebensmitteluntersuch., Bern, 1943, **34:** 98–101.—**Deniges, G.** Le formaldoxine: réactif très sensible des métaux du groupe fer et notamment du manganèse; application diverses (eaux minérales, etc.) Presse therm. clim., 1933, **74:** 74.—**Pročke, O.** [Determination of calcium and magnesium in water] Vest. Cesk. fysiat. spol. 1938, **18:** 290–2.—**Segawa, R.** Ryokuban-sen, sansei-sen-tyū hiso teiryo-hō ni tuite [Method of determining the amount of arsenic in ferrous sulfate mineral springs and in sulphuric springs] Yakugaku zassi, 1921, 840–55.—**Veselý, V.** Chemické složení minerálních vod; zásady jejich rozborů. Alman. lázní, 1949, 50–4.—**Weimarn, P. P. v.** [Method in computing results of chemical analysis of mineral springs] J. Russ. fiz. khim. obshch., khim. ch., 1914, **46:** 752.

—— arsenical.

See also subheading (chalybeate)

Pérus, P. *Contribution à l'étude de l'arsenic des eaux minérales pyrénéennes. 63p. 25cm. Montpel., 1938.

Boveri, P. Arsenical-iron waters: some new views. Arch. M. Hydr., Lond., 1932, **10:** 4.—**Cristol, P., Fourcade, J.** [et al.] Etude de la teneur en arsenic des eaux minérales pyrénéennes. Presse therm. clim., 1939, **80:** 141.—**Dalla Volta, A.** La crenoterapia arsenicale e ferruginosa nelle diatesi dell'età puberale. Difesa sociale, 1937, **16:** 1127–50.—**Ellinger, P.** Arsenquellen und Arsenwirkung. Zschr. ges. phys. Ther., 1931. **41:** 167–83.—**Farneti, P.** Il comportamento della velocità di sedimentazione nei bagni arsenicali-ferruginosi. Riv idroclim., 1937, **48:** 97–102. ——— Le acque arsenicali-ferruginose nella cura del morbo di Basedow. Ibid., 1941, **52:** 145–9.—**Rathery, F., Wolff, R., & Manjean, S.** Action de la cure arsenicale sur le métabolisme azoté et sur le métabolisme des glucides. Bull. Acad. méd., Par., 1934, 3. ser., **112:** 74–86. Also Presse therm. clim., 1934, **75:** 485–91.—**Takeda, Y.** Kōsen-tyū no hiso teiryō-hō ni tuite [Method of quantitative determination of arsenic in the water of mineral springs] Nippon eisei kagakkai si, 1935, **7:** 48–50.—**Viola, G.** Indicazioni crenoterapiche nelle malattie degli organi emolinfopoietici, negli esaurimenti e nei deperimenti organici, con speciale riguardo al meccanismo di azione delle acque arsenicali ferrugginose. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 588–627.

—— artificial.

See also **Balneography.**

Provolo, A. *Sulla utilità delle acque minerali artificiali. 43p. 21cm. Verona, 1827.

Ziegler, J. Bemerkungen über gemeines Wasser, und besonders über natürliche und künstliche Mineralwasser. 68p. 19cm. Winterthur, 1799.

——— Neue Anzeige an das Publikum über die Bereitung künstlicher Mineralwasser. 29p. 19cm. Zür., 1801.

Bechhold, J. H. Ueber ein natürliches Mineralwasser und dessen Nachahmung. Zschr. ges. phys. Ther., 1929, **37:** 223–36.—**Benczur, G.** [Effect of natural and artificial mineral water] Budapesti orv. ujs., 1930, **28:** 619–22.—**Beninde, M.** Können natürliche Mineralwässer und Quellprodukte so nachgeahmt werden, dass man den Namen des Kurortes mit diesen Ersatzpräparaten in Zusammenhang bringen kann? Zschr. wiss. Bäderk., 1929–30, **4:** 33–41.—**Dungern, M. v.** Ueber Deutungsmöglichkeiten der verschieden biologischen Wirkung natürlicher Heilquellen und ihrer industriellen Nachahmungen. Klin. Wschr., 1943, **22:** 84 (Abstr.)—**Franck.** Eau minérale artificielle. Gaz. san., Par., 1835, **5:** 41.—**Gabbi, U.** Künstliche Mineralwässer. Zschr. wiss. Bäderk., 1929–30, **4:** 41–4.—**Gagliardi, A.** Acque minerali naturali ed acque artificialmente mineralizzate. Prog. ter., Milano, 1912, 207–19.—**Hirsch, M.** The findings of natural science and clinical medicine regarding possible substitutes for natural medicinal waters and their derivatives. Arch. M. Hydr., Lond., 1932, **10:** 68–71.—**Korczyński, L. R. v.** Natürliche und künstliche Heilwässer. Zschr. wiss. Bäderk., 1929–30, **4:** 51–61.—**Kukowka, A.** Künstliche Heilwässer. In his Heilquell. Thüring., Rudolstadt, 1948, 247–53.—**Meade, W.** On the artificial preparation of cold medicinal waters. Am. J. Sc., 1832, **22:** 126; 330.—**Molitor, H.** Zur Frage der Zweckmässigkeit künstlicher Mineralwässer. Wien. klin. Wschr., 1929, **42:** 719–21.—**Rosenburg, C.** Aguas mineraes naturaes e artificiaes. Fol. med., Rio, 1938, **19:** 86–8. Also Gaz. clin., S. Paulo, 1938, **36:** 135–9.—**Ulsamer, O.** Natürliche und künst-

liche Mineralwässer. Med. Welt, 1930, **4**: 515–8.—**Wulfsberg, N.** [Artificial mineral waters] Ny pharm. tid., Kbh., 1882, **14**: 344–8.

—— Bactericide effect.

See also subheadings (Biological effect; Hydrobiology)

Duhot, E., & Rachez, J. Recherches expérimentales sur l'action bactéricide des eaux minérales. Ann. Inst. hydr., Par., 1932–33, **8**: 183–201. ——— Sur l'action bactéricide directe des eaux minérales. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 377–9. ——— Nouvelles recherches expérimentales sur l'action bactéricide des eaux minérales. Ann. Inst. hydr., Par. 1938–39, **12**: 134–8.—**Peña Yáñez, J.** Acción bactericida de algunas aguas mineromedicinales españolas sobre los bacilos del grupo salmonela y disentérico. Sem. méd. españ., 1945, **11**: 357–61.

—— Bacteriology.

Bonamartini, U., & Gozzini, R. Sui rapporti tra costituzione chimica e contenuto microbico delle acque minerali. Riv. idroclim., 1940, **51**: 20; 25.—**Ciklinsky, P.** Sur les microbes thermophiles des sources thermales. Physiologiste russe Moskva, 1899, **1**: 280–5.—**Cruveilhier, L., & Magnier de la Source, B.** Les eaux minérales et le Bacterium coli commune. Bull. Acad. méd., Par., 1937, 3. ser., **117**: 451–3. ——— Le bacterium coli et les eaux minérales. Paris méd., 1937, **103**: 350–5.—**Czurda, V.** Weiterer Beitrag zur Kenntnis der neuen autotrophen und thermophilen Schwefelbakteriengesellschaft. Zbl. Bakt., 2. Abt., 1937, **96**: 138–45.—**Duhot, E., & Rachez, J.** Sur la survie du colibacille dans les eaux minérales en rapport avec les variations de l'alcalinité ionique. C. rend. Soc. biol., 1933, **114**: 126.—**Ficker, M.** Methodos para o estudo bacteriologico das aguas hydro-mineraes. Fol. clin. biol., S. Paulo, 1935, **7**: 197–202.—**Gubin, V. M.** Mikrobiologija mineralnykh istoćnikov. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **1**: 194–210.—**Isaćenko, B. L.** [Review of works on microbiology of mud and mineral springs] Mikrobiologia, Moskva, 1937, **6**: 1134; 1938, **7**: 385.—**Kliewe, H., & Lang, K.** Ueber den Keimgehalt von Mineralwässern. Arch. Hyg., Münch., 1930, **105**: 124–31.—**Koshtoianc, K. S.** [Correclation between the gaseous processes and microorganisms of mineral springs] Arkh. biol. nauk, 1936, **43**: 139–43.—**Kučera, V.** [Bacteriology in balneology] Cas. lék. česk., 1937, **76**: 1714–7.—**Lieb, F., & Fleischanderl, J.** Ueber die Haltbarkeit von Typhus- und Paratyphuskeimen in Mineralwässern. Wien. klin. Wschr., 1947, **59**: 153.—**Suyling, J.** [Bacteriologic examination of some natural mineral waters] Ned. tschr. hyg. microb., 1930–31, **5**: 47.—**Winogradsky, H.** Sur la microflore nitrificatrice des boues activées de Paris. C. rend. Acad. sc., 1935, **200**: 1886–8.

—— Bathing.

See also **Balneotherapy**; **Bath**, mineral.

Gallmeier, M. Einfluss thermoindifferenter Kohlensäure- und Süsswasserbäder auf Säurebasen- und Wasserausscheidung. Med. Welt, 1940, **14**: 427–9.—**Lischi, V.** Le piscine curative termali. Riv. idroclim., 1936, **47**: 13–5.—**Lüscher, G.** Die Komponenten-Anteile an der Naturheilkraft des Mineralbades. In his Herkunft & Wirk. Mineralbad. Schweiz, 2. Aufl., Aarau, 1948, 125–35.—**Mello e Sousa, A.** Le bain hydrominéral. Arch. M. Hydr., Lond., 1939, **17**: 93–5.—**Neveu, R.** Les piscines dans les stations hydrominérales. Ann. hyg., Par., 1932, n. ser., **10**: 321–39. Also Presse therm. clim., 1932, **73**: 581–91.—**Stepukhovich, D. M., & Mintz, J. I.** [On the dosage of mineral baths] Vrach. delo, 1938, **20**: 289.—**Stróżecki, K.** [Physiological effect of mineral baths] Polsk. arch. med. wewn., 1938, **16**: 490.

—— Bibliography.

Aboulker, G. *Essai sur la documentation hydroclimatique. 136p. 8° Par., 1932.

Behn, F. Breves consideraciones acerca de una obra de Helmut Schwabe sobre fuentes termales y minerales, Umraumfremde Quellen, Beiträge zur Lebensraumkunde. Bol. Soc. hiol. Concepción, 1947, **22**: 105.—**Carnot, P.** Sur les travaux concernant les eaux minérales. Bull. Acad. méd., Par., 1939, 3. ser., **122**: 355–9. Also Presse therm. clim., 1940, **81**: 14–8.—**Chiray.** Sur les travaux concernant les eaux minérales et les stations climatiques de France pendant l'année 1945. Bull. Acad. méd., Par., 1946, **130**: 696–9. ——— Rapport sur les travaux concernant les eaux minérales et les stations climatiques pendant l'année 1948. Ibid., 1948, **132**: 719.—**Fabre, R.** Rapport sur les travaux concernant les eaux minérales et les stations climatiques pendant l'année 1944. Ibid., 1945, **129**: 646–9.—**Harvier, P.** Rapport sur les travaux des stagiaires aux eaux minérales pendant l'année 1941. Ibid., 1942, **126**: 334. ——— Sur les travaux concernant les eaux minérales et les stations climatiques pendant l'année 1947. Ibid., 1947, **131**: 630–2.—**Le Noir.** Sur les travaux concernant les eaux minérales, pendant l'année 1939. Ibid., 1940, **123**: 791–6.—**Piccinini, P.** I contributi italiani alla idroclimatologia. Forze san., Roma. 1934, **3**: 1151–9.—**Siredey, A.** Sur les travaux envoyés à la Commission des eaux minérales. Bull. Acad. méd., Par., 1932, 3. ser., 108: 1273–86. ——— Sur les travaux de M. Baillet, stagiaire aux eaux minérales (Fondation Vulfranc-Gerdy) Ibid., 1933, 3. ser., **109**: 585–7. ——— Sur les travaux adressés à la Commission des eaux minérales. Ibid., **110**: 346–58. ——— Sur les travaux des stagiaires aux eaux minérales (Fondation Vulfranc-Gerdy) Ibid., 1934, 3. ser., **111**: 666; also in subseq. years. ——— Sur les travaux à la Commission des eaux minérales pour le concours de 1937. Ibid., 1937, **118**: 352–60.—**Villaret, M.** Sur les travaux concernant les eaux minérales pendant les années 1940–43. Ibid., 1941, **125**: 297; also in subseq. years.

—— bicarbonate.

See also subheading (alkaline)

Astruc, A. Les eaux bicarbonatées. Arch. Soc. sc. méd. biol. Montpellier, 1929, **10**: 683–98. Also Presse therm. clim., 1930, **71**: 593–9.—**Canna, S.** Su di alcune proprietà biologiche di un'acqua mediominerale, di tipo bicarbonato-alcalino-terrosa. Fol. med., Nap., 1938, **24**: 560–75.—**Davoust.** Réaction de la benzidine dans les eaux minérales bicarbonatées ferrugineuses. Ann. Inst. hydr., Par., 1935, **10**: 192–8.—**Delépine, M.** Sur l'origine profonde des eaux bicarbonatées sodiques. Bull. Acad. méd., Par., 1927, 3. ser., **97**: 830–2.—**Hyvert, R.** Les eaux bicarbonatées calciques; particularités; rapide historique. Presse therm. clim., 1930, **71**: 693.—**La Barre, J.** A propos de l'action des eaux alcalines chlorobicarbonatées sur la musculature lisse. Acta physiother. rheumat. belg., 1947, **2**: 37–48. ——— A propos des propriétés antihistaminiques des eaux minérales chlorobicarbonatées. Ibid., 181–8.—**Lochon, H.** Les indications du traitement des dyspepsics par les eaux bicarbonatées calciques. Strasbourg méd., 1931, **91**: 190–2.—**Mougeot, A.** Réactions du tonus du muscle artériel isolé in vitro en survie vis-a-vis des eaux minérales bicarbonatées carboniques; obéissent-elles à la loi de l'antagonisme entre bicarbonate de soude et acide carbonique? C. rend. Soc. biol., 1931, **106**: 797–9. ——— **& Aubertot, V.** Eaux minérales bicarbonatées et activité de la sucrase de la levure de bière. Ibid., 1925, **92**: 1504–6.—**Puech, A., Monnire, P., & Lazerges, P.** Action d'une eau bicarbonatée forte sur l'indice chromique résiduel du plasma dans le diabète et les cirrhoses du foie. Presse méd., 1943, **51**: 266 (Abstr.)—**Rathery, F., & Lescoeur, L.** Contribution à l'étude des eaux bicarbonatées calciques considérées comme éliminatrices d'acide urique. Ann. Inst. hydr., Par., 1926, **4**: 284–99, ch.

—— Biological effect.

See also subheading (Hydrobiology)

Mizunuma, M. Tennen kōsen no tokui seibutugaku-teki sayō ni tuite [Ueber die eigentümlichen biologischen Wirkungen des natürlichen Mineralwassers] p.1341–431. 26cm. Hukuoka, 1941.

In: Igaku kenkyu, 1941, **15**:

Armengaud. Des réactions thermiques observées au cours du traitement hydrominéral. C. rend. Congr. fr. méd. (1921) 1922, 15. Congr., 305–8.—**Delauney, A.** Les eaux minérales et leurs effets biologiques. Bull. Ass. fr. avance. sc., 1935, **64**: No. 126, 9–14.—**Dodel, P., & Dastugue, G.** Modifications des propriétés biologiques des eaux minérales après lipiprécipitation. C. rend. Soc. biol., 1932, **110**: 776.—**García Ayuso.** Función de las aguas minero-medicinales en la higiene individual. Actual. méd., Granada, 1943, **19**: 126.—**Godonnèche, J.** Sur quelques propriétés biologiques des eaux minerales. Rev. méd. Centr. Ouest, 1937, **9**: 213–22.—**Hazlehurst, G. H.** Physiological effects of mineral salts in natural waters. J. M. Ass. Alabama, 1936–37, **6**: 217.—**Konsuloff, S.** Ueber die biologische Wirkung der Mineralwässer. Zschr. wiss. Bäderk., 1927–28, **2**: 387–91.—**Pedrosa, X.** Acção physiologica das aguas mineraes. Fol. med., Rio, 1928, **9**: 427–30.—**Perrin, M., & Cuénot, A.** La phylaxie de Billard et les propriétés biologiques connexes des eaux minérales. Clinique, Par., 1934, **29**: 152.—**Pfannenstiel, W.** Neuere Ergebnisse biologischer Heilquellenwirkungen. Balneologe, 1937, **4**: 332–4.—**Santenoise, D., Merklen, L.** [et al.] L'étude physiologique de l'action des eaux minérales. Ann. Inst. hydr., Par., 1945, **16**: 193; passim.—**Schober, P.** Biologische Betrachtungen zur Quellenheilkunde. Hippokrates, Stuttg., 1935, **6**: 454–9.—**Stransky, E.** Ueber die Wirkung von Mineralwässern auf Kelmung und Wachstum von Pflanzensamen. Balneologe, 1935, **2**: 342–8.

—— bitter.

Arnoldi, W. Der Einfluss verschiedener Ernährung auf die Glauberquellwirkung. Zschr. ges. exp. Med., 1930, **73**: 458–63.—**Joachim, J.** [Changes in the stool following intake of bitter waters] Vest. Cesk. fysiat. spol., 1939, **19**: 51–5.—**Leopold, G.** Ueber die pharmakologische Wirkung der Bitterquellen. Med. Welt, 1930, **4**: 523–6.—**Liteczky, A.** [Indications and therapeutic use of sulfate and bitter waters] Budapesti orv. ujs., 1938, **36**: 527–30.

—— borate.

Bordas, F., & Touplain, F. Le bore considéré comme élément spécifique de certaines eaux minérales. Ann. falsif., Par., 1923, **16**: 356–60.—**Loeper, M.** Le bore dans les eaux minérales. Progr. méd., Par., 1931, 661.

—— Bottling.

See also subheading (Industry)

HUTIN, A. *Sur les conditions optima d'embouteillage des eaux minérales [Pharm.] 141p. 24½cm. Lille, 1936.

Duhot, E. Sur la sterilisation des bouteilles destinées aux eaux minérales. Presse therm. clim., 1937, **78:** 145. ——— & **Hutin, A.** Analysis bactériologiques d'eaux minérales en bouteilles. C. rend. Soc. biol., 1933, **112:** 195–7. ——— Recherches bactériologiques sur les eaux minérales embouteillées. Echo méd. nord., 1935, 3. ser., **3:** 805–12.—**Frisbie, W. S.** Coordination in the sanitary control of bottled mineral waters. Pub. Health Rep., Wash., 1931, **46:** 1873–6.—**Heubner, W.** Ueber die Haltbarkeit von Mineralwässern auf der Flasche. Zschr. wiss. Bäderk., 1927–28, **2:** 686–93.—**Marino, V.** Contributo alla vigilanza igienica delle acque minerali in bottiglia. Igiene mod., 1935, **28:** 205–8.—**Narciso, A.** Aguas medicinais engarrafadas. Clín. hig. & hidr., Lisb., 1941, **7:** 147–9.—**Pech, J. L.** Des différences physiques qui existent entre les eaux minérales au griffon et en bouteilles. Montpellier méd., 1930, **52:** 249–53.—**Ricci, A.** Riscontro del △ di acque minerali oligometalliche in bottiglia. Rass. internaz. clin. ter., 1949, **29:** 100–2.—**Rimattei, F., & Andrei, T.** Au sujet de la conservation en bouteille des eaux sulfurées sodiques de Baracci, Guitera et Caldaniccia, Corse. Presse therm. clim., 1939, **80:** 492–4.

—— calcic.

Duroudier, R. Dosage rapide et précis du calcium et du magnésium dans les eaux naturelles ou épurées. Ann. falsif., Par., 1934, **27:** 273–7.—**Pendl.** Die Bedeutung des Calciums bei Mineralwasserkuren. Balneologe, 1939, **6:** 58–65.—**Rumpf, K.** Ueber den Einfluss von Chlorcalciumquellen auf den Purinstoffwechsel. Ibid., 1934, **1:** 539–45.—**Souci, S. W.** Naturgeschichtliche Bemerkungen zum Vorkommen des Calciums in Mineralwässern. Ibid., 1939, **6:** 201–15.

—— Cardiovascular effect.

Dastugue, G., Dupuis, P., & Simon, E. Influence de quelques eaux minérales sur le myocarde de Helix pomatia et sa sensibilité à l'acétylcholine; l'action immédiate; l'action tardive. Presse therm. clim., 1947, **84:** 250; 252.—**Deschamps, P. N., & Vital-Lassance.** Tension artérielle et cures hydro-minérales. Ibid., 1948, **85:** 142–8.—**Guidi, G.** Azione di alcune acque minerali naturali sul cuore isolato. Boll. Soc. ital. biol. sper., 1935, **10:** 432–4.—**Mougeot, A., & Aubertot, V.** Action des eaux minérales (sulfatées et bicarbonatées) sur le coeur isolé d'Helix pomatia. C. rend. Soc. biol., 1930, **103:** 459–61. ——— Les eaux minérales, milieux vitaux considérées d'après leur action directe sur la cellule myocardique. Paris méd., 1930, **75:** 438–46.—**Nevsky, N. A.** [Effect of balneological factors, mineral baths and muds, on blood pressure] Vopr. kurort., 1939, No. 1, 42–9.—**Pesnel.** Traitement hydro-minéral des phlébites post-partum. Sem. hôp. Paris, 1935, **11:** 264–70.—**Villaret, M., Justin-Besançon, J., & Popovici, D.** Recherches d'hydrologie expérimentale sur le ventricule isolé d'Helix pomatia. Ann. Inst. hydr., Par., 1933–34, **9:** 139–42.

—— cathartic.

See also **Cathartic.**

Esmonet, C. Mécanisme d'action de quelques eaux purgatives ou dites purgatives. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7.** Congr., 448–56.—**Guidi, G.** La questione del potere zimostenico delle acque minerali; osservazioni e ricerche sperimentali. Arch. farm. sper., 1928–29, **46:** 275–86, pl.—**Luz, H.** Considerações sôbre a fórmula da agua Vienense; segunda parte. Bol. Ass. brasil. pharm., 1932, **13:** 307–13.—**Oliveira, E. de.** Sôbre a nova fórmula da agua vienense. Rev. quim. farm., Rio, 1943, **8:** 137–48.—**Rodríguez Pinilla, H.** Sobre el modo de actuar las aguas purgantes. Arch. med., Madr., 1931, **34:** 645–8.

—— chalybeate.

See also subheading (arsenical)

FRANK, A. *Les sources ferrugineuses des Maures et leurs rapports avec les gisements métallifères du Massif [Marseille; Pharm.] 160p. 25cm. Toulon, 1938.

FRECH, A. F. J. *Ueber die Veränderungen des ultrafiltrablen Eisens im Blut durch Eisenwasser-Trinkkuren [Frankfurt a. M.] 20p. 23½cm. Darmst., 1938.

HÉRY, M. *Le fer en hydrologie; les méthodes d'exploration biochimiques de l'action des eaux ferrugineuses; étude critique. 153p. 25cm. Lyon, 1938.

JOURDAIN, R. *Le fer en hydrologie; les boues ferrugineuses des griffons des eaux minérales. 127p. 25cm. Lyon, 1938.

Bickel, A. Stoffwechselwirkungen des Eisens und der Stahlquellen. Med. Welt, 1927, **1:** 114–6. ——— Grundsätzliches zur Bedeutung der Harnquotientstudien für die Physiologie und Pathologie des Stoffwechsels, wie zur Frage der Form des Stahlquelleneisens, der biologischen Aktivität des Eisens und ihren Ursachen, einschliesslich der Siderac-Wirkung. Zschr. wiss. Bäderk., 1928–29, **3:** 523–8.—**Blanquet.** Le fer des eaux minérales. Rapp. Journées thér. Paris (1946) 1948, 175–97.—**Bonnamour, S.** Action pharmacodynamique du fer en hydrologie. Presse therm. clim., 1927, **68:** 73–9.—**Bürgi, E.** Ueber die blutbildende Eigenschaft der Eisenquellen im Höhenklima. Schweiz. med. Wschr., 1934, **64:** 117.—**Kochmann, M., & Seel, H.** Wirkung der Stahlquellen auf den Stoffwechsel; Beitrag zur Frage nach dem aktiven Eisen. Deut. med. Wschr., 1928, **54:** 1321.—**Lederer, J., & Bogaert, R.** La résorption du fer des eaux ferrugineuses. Rev. belge sc. méd., 1939, **11:** 104–8. Also Arch. M. Hydr., Lond., 1939, **17:** 125.—**Manara, M.** Il ferro nella terapia idrologica. Athena, Roma, 1949, **15:** 61–4.—**Minder, L.** Zur Chemie und hygienischen Bewertung eisenhaltiger Grundwässer. Schweiz. med. Wschr., 1929, **59:** 548–50.—**Nagy, B. L.** [Iron waters for drinking and balneotherapy] Budapesti orv. ujs., 1938, **36:** 537–42.—**Nonnenbruch, W.** Die klinische Bedeutung der Eisenquellen. Fortsch. Ther., 1931, **7:** 417–21.—**Peeters, C.** Au sujet de l'action phylactique de l'eau minérale ferrugineuse. C. rend. Soc. biol., 1926, **44:** 1046–8.—**Perrin, M.** Les eaux minérales ferrugineuses. Bull. gén. thér., 1929, **180:** 442–51.—**Piery, M., & Enselme, J.** Le fer en hydrologie thérapeutique. Presse méd., 1939, **47:** 1628. ——— & **Héry, M.** Mécanisme d'action des eaux minérales ferrugineuses naturelles; activation de la respiration tissulaire. Bull. Acad. méd., Par., 1938, 3. ser., **120:** 774–8.—**Piéry, Enselme, J., & Jourdain, R.** Rôle du fer et de l'arsenic dans les eaux minérales; étude chimique de certaines boues ferrugineuses des griffons. Presse therm. clim., 1939, **80:** 145–7.—**Piéry, M., Enselme, J., & Petel, S.** Recherches au sujet de l'influence des eaux minérales sur la respiration tissulaire; rôle des ions potassium et des ions ferriques; action d'une eau minérale ferrugineuse. C. rend. Acad. sc., 1938, **206:** 1685–7.—**Preobraženskaja, M. R.** [Ferrobacteria of the Poliustrov spring and other iron springs] Arch. biol. nauk, 1930, **30:** 309–15.—**Raspail, F. V.** Rôle de l'acide nitrique dans la composition des eaux; formation des sources et du minerai de fer à travers les terrains sablonneux. Rev. compl. sc. appl. méd., Par., 1854–55, **1:** 287–92.—**Sartory, A., Sartory, R., & Meyer, J.** La polyactivité thérapeutique d'une eau médicinale ferrugineuse en rapport avec sa flore microbienne. Libre pharm., Par., 1949, **6:** No. 44, 7.—**Schoeller, W., & Rothe, G.** Ueber die Bedingungen der katalytischen Aktivität natürlicher und künstlicher eisenhaltiger Mineralwässer. Klin. Wschr., 1927, **6:** 348–50.—**Senter, W. J.** Chalybeate springs mineral water. North Carolina M. J., 1943, **4:** 98.—**V., H.** Eaux minérales ferrugineuses et affections gynécologiques. J. prat., Par., 1941, **55:** 137.—**Wagner.** Was ist eine Stahlquelle? Zschr. wiss. Bäderk., 1927–28, **2:** 1061.

—— Chemical properties.

Baudisch, O., & Euler, H. v. Experimentelle Beiträge zur Kenntnis der Phthalinreaktion gewisser Mineralwässer. Biochem. Zschr., 1929, **212:** 149–57.—**Delore, P., & Loude.** Influence de l'agitation sur le pouvoir réducteur des eaux minérales. Presse therm. clim., 1947, **84:** 219.—**Frank, M.** [Physicochemistry of mineral waters] Orvosképzés, 1937, **27:** Aug. különf., 22–7.—**Fresenius, L., & Harpuder, K.** Ueber die Wirkung der Mineralquellen; Untersuchungen über die physikalische Chemie und Physiologie komplizierter Salzlösungen. Klin. Wschr., 1926, **5:** 2304.—**Fresenius, L., & Lederer, H.** Ueber die Phenolphthalin- und Brenzkatechin-o-carbonsäurereaktionen zur Erkennung der Aktivität von Mineralwässern. Biochem. Zschr., 1930, **226:** 139–46.—**Kerangal, Y. de.** Les thermions métalliques. J. méd. Paris, 1936, **56:** 323–6.—**Komárek, K.** Z chemie minerálních vod. Cas. lék. česk., 1946, **85:** 485–91.—**Kopaczewski, W.** Physicochimie des eaux minérales. Ann. Inst. hydr., Par., 1927, **5:** 165; 259, 4 pl.—**Lepape, A.** Physico-chimie et géochimie des sources hydrominérales du massif central. Presse therm. clim., 1946, **83:** 10.—**Lescoeur, L.** Le pH et les eaux minérales. J. méd. fr., 1932, **21:** 110–20.—**Nasini, R.** La chimica e la chimica fisica delle acque minerali; classificazione. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 105–42, tab.—**Režek, A.** O kemijskoj slici rudnih voda. Liječ. vjes., 1938, **60:** 394–400.—**Rondoni, P.** Il potere tampone delle acque minerali. Riv. idr. clim., 1932, **43:** 433–40.—**Starkenstein, E.** Die pharmakologische und pharmako-therapeutische Bedeutung der Anionen in salzartigen Arzneimitteln und in Mineralwässern. In: Baln. & Balneother. Karlsbad (1930) 1931, **12:** 97–122.—**Strock, L. W.** Geochemistry of natural mineral waters. Ycarb. Am. Philos. Soc. (1940) 1941, 258–60.—**Uzan, M., & Monnet, A.** A propos du pouvoir péroxydolytique des eaux minérales. Presse therm. clim., 1938, **79:** 119.

—— Classification.

Alexandrov, V. A. Klassifikacia mineralnyh vod. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **1:** 133–7.—**Chassevant, A.** Essai de classification des eaux minérales d'après leur constitution et leurs propriétes physico-chimiques. Ann. Inst. hydr., Par., 1926, **4:** 262–83. ——— & **Valls, M.** Nouvelle classification des eaux minérales. Bull. Acad. med., Par., 1927, 3. ser., **97:** 530–5.—**Idroterapia;** classificazione delle acque minerali. Progr. ter., Milano, 1905, 159.—**Kukowka, A.** Einteilung der Heilquellen und Bäder. In his

Heilquell. Thüring., Rudolstadt, 1948, 153–201.—**Kunszt, J.** Die systematische Einteilung der Mineralwässer vom ärztlichen Standpunkte. Zschr. ges. phys. Ther., 1928–29, **36:** 93–100.—**Wiechowski, W.** Zur Frage der Einteilung der Mineralquellen. Zschr. wiss. Bäderk., 1928–29, **3:** 403–6.—**Zvonicky, N. S.** [Classification scheme of mineral waters in relation to their usage] Sovet. klin., 1931, **16:** 258–72.

—— Colloid content.

Bussi, A. Ancora dei colloidi a meccanismo di azione delle acque minerali. Gazz. osp., Mil., 1932, **53:** 1473–6.—**Henrijean, E., & Kopaczewski, W.** Les colloïdes et les eaux minérales. C. rend. Acad. sc., 1924, **179:** 909–12.—**Violle, P. L.** Du rôle des colloïdes dans le pouvoir anagotoxique des eaux minérales. C. rend. Soc. biol., 1928, **99:** 1723.

—— Composition.

See also other subheadings (Analysis; Chemical properties)

Golse, J. *Recherches sur la présence du cuivre dans les eaux minérales. 53p. 25½cm. Bord., 1933.

Collins, W. D. Mineral waters: composition. In: Cyclop. Med. (Piersol-Bortz) Phila., 1939, **10:** 182–7.—**Garrigou, F.** Des métalloïdes et métaux contenus dans les eaux minérales et dans les eaux potables. C. rend. Ass. fr. avance. sc. (1910) 1911, **39:** 258–61.—**Hansen, K., Rustung, E., & Hveding, J.** Recherches sur le contenu en eau lourde des eaux minérales françaises et de quelques autres. J. pharm. chim., Par., 1935, 8. ser., **21:** 538–41. ——— Untersuchungen über den Gehalt medizinischer Mineralwässer an schwerem Wasser (Deuteriumoxyd) Klin. Wschr., 1935, **14:** 684.—**Jeandidier, J. L. R. A.** Les eaux minérales. Arch. méd. pharm. mil., 1927, **87:** 105–31.—**Kisch, E. H.** Erdige Mineralquellen. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **4:** 641–3.—**Loeper, Fabre, R., & Régnier, H.** Sur l'existence de corps spécifiques dans certaines eaux minérales. Bull. Acad. méd., Par., 1939, 3. ser., **122:** 78–83.—**Rita-Martins, A.** Le fluor dans les eaux minéro-médicinales et douces (une nouvelle méthode d'investigation biologique) Med. contemp., Lisb., 1930, **48:** 396–400. Also Presse therm. clim., 1931, **72:** 138–43.—**Sarló, K.** Az ásványvizek kémiai összetételének korszerű kifejezési módjáról (iontabella vagy só-tabella) Népegészségügy, 1942, **23:** 342–54.—**Stoof, H.** Normale Zusammensetzung gewöhnlicher Trink- und Brauchwässer und die Grenzwertfrage bei Mineralwässern. Zschr. Kurortwiss., 1932–33, **2:** 91–7.—**Sugawa, Y.** Kōsen no husso gan-yū-ryō oyobi sui-tyū ni okeru husso no syōtyō [Fluorine content in mineral water and its fluctuation] Tyōsen igakkai zassi, 1937, **27:** 1163–76.—**Takiura, K.** Tansan no seibun kenkyū; tansinon-I no kōzō ni tuite [Studies on the ingredients of tansan; the structure of tansinon-I] Yakugaku zassi, 1943, **63:** 40–5.—**Teis, R. V.** Isotopic composition of mineral waters. C. rend. Acad. sc. URSS, 1946, **53:** 135–7.—**Vinaj, A.** Costituzione chimica e meccanismo d'azione delle acque minerali. Forze san., Roma, 1939, **8:** 46–53.

—— Control.

See also subheadings (Laws and regulations; Licensing)

Armand & Blanquet. Remarques sur les méthodes physiques et chimiques de contrôle des eaux minérales. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 239–46.—**Castaigne & Blanquet.** Contrôle des eaux minérales dans la région du Centre. Ibid., 237.—**Meillère.** Rapport présenté au nom de la Commission des eaux minérales. Bull. Acad. méd., Par., 1926, 3. ser., **95:** 649.—**Timbal, G.** Mesures légales de contrôle des eaux minérales. Rapp. Congr. internat. hydr. clim., 1933, 14. Congr., 517–31. Also C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 225–36.

—— Crystallography.

Perrin, M., & Colson, P. La microcristallographie, méthode d'identification des eaux minérales. Bull. Acad. méd., Par., 1927, 3. ser., **97:** 434–40. ——— Technique et applications pratiques de l'étude cristallographique des eaux minérales. C. rend. Soc. biol., 1927, **97:** 379.—**San Román y Rouyer, J. de.** Nuevos estudios sobre microcristalización de nuestras aguas minerales. Farmacoter. actual, 1946, **3:** 335–8.

—— Detoxicating and antianaphylactic effect.

Baltacéanu, G. Action des eaux minérales sur la toxicité des sulfamides. Věst. Cesk. fysiat. spol., 1948, **27:** 44–51.—**Cottet, J.** Crénothérapie et cures de désintoxication. Marseille méd., 1928, **65:** 583.—**Farneti, P.** Ricerche sull'azione antianafilattica delle acque minerali. Riv. idroclim., 1940, **51:** 103–16.—**Filomeni, M.** Ricerche sperimentali sulla filassi da acque minerali. Arch. ital. sc. farm., 1935, **4:** 241–62.—**Flurin, H.** A propos de l'antianaphylaxie des eaux minérales. Presse therm. clim., 1921, **62:** 319.—**Glaser, E., & Ranftl, I.** Der Nachweis der entgiftenden Wirkung von Mineralwässern durch den Sparteintest. Klin. Wschr., 1941, **20:** 487–9.—**Guidi, G.** A proposito dell'azione antianafilattica delle acque minerali. Riv. idro. clim., 1927, **38:** 201–13.—**Herráiz Serrano, F. J.** Acción antianafiláctica de las aguas mineromedicinales. Arch. med., Madr., 1931, **34:** 453; 482; 501.—**Labarile, V.** Ricerche sperimentali sul potere anagotossico delle acque minerali. Rass. ter. pat. clin., 1933, **5:** 707–17.—**Loeper, M., & Mougeot, A.** La désensibilisation par les eaux minérales. Presse méd., 1931, **39:** 753.—**Mittler, L.** Sulla azione antianafilattica delle acque minerali. Riv. idroclim., 1933, **44:** 102–13.—**Mougeot, A., & Aubertot, V.** Sur le pouvoir phylactique des eaux minérales; essais avec la picrotoxine sur le vairon. C. rend. Soc. biol., 1931, 3. ser., **106:** 355–8.—**Perrin, M., & Cuenot, A.** Pouvoir anagotoxique des eaux minérales et chimiothérapie. Presse méd., 1930, **38:** 633. ——— Le pouvoir anagotoxique des eaux minérales. Bull. gén. thér., 1933, **184:** 1–14.—**Prado Junior, F.** Poder filático das águas minero-medicinais. Hospital, Rio, 1941, **19:** 445–51.—**Puech, A., & Roche, J.** Propriétés agotoxiques de quelques eaux minérales vis-à-vis du novarsénobenzol. Presse therm. clim., 1937, **78:** 405–8. ——— Pouvoir phylactique de quelques eaux minérales vis-à-vis du novarsénobenzol. Ibid., 425.—**Sveśnikova, I. A., & Losinsky, A. A.** [Effect of mineral waters on poisons] Vrach. gaz., 1930, **34:** 671–5.—**Violle, P. L.** Les eaux minerales; milieux antitoxiques. Ann. méd. phys., Anvers, 1930, **23:** 113–24. ——— **& Giberton, A.** Du rôle des cristalloïdes dans le pouvoir anagotoxique des eaux minérales. C. rend. Soc. biol., 1928, **99:** 1938–40. ——— Les eaux minérales, milieux antitoxiques, rôle du calcium. Press méd., 1929, **37:** 943. Also Ann. Inst. hydr., Par., 1930, **7:** 80–9.

—— Diagnostic use.

Zakhajm, J. *Le test cutané d'hydrophilie tissulaire d'Aldrich et Mac-Clure recherché par injection intradermique d'eaux minérales. 167p. 25cm. Montpel., 1935.

Beretervide, J. J., Rechniewski, D., & Fellner, J. E. Modificaciones de la prueba de McClure y Aldrich previa ingestión de agua común y aguas minerales. Día méd., B. Air., 1933–34, **6:** 897.

—— Digestive effect.

See also other subheadings.

Hirose, Y. Kettyō undō ni oyobosu onsen no cikyō [Der Einfluss der Mineralquellen auf die Kolonbewegung] p.929–1133. 26cm. Hukuoka, 1941.

In: Igaku kenkyū, 1941, **15:**

Kobayasi, T. Tyō kyūsyū ni oyobosu onsen no eikyō [The influence of mineral water on the absorbing power of the intestines] p.177–253. 25cm. Hukuoka, 1943.

In: Igaku kenkyu, 1943, **17:**

Lotti, C. Crenoterapia e norme dietetiche nelle malattie dell'apparato digerente. p.460–540. 22½cm. Milano, 1927.

In: Tratt. crenoter. (Trambusti, A.)

McClellan, W. S. The use of naturally carbonated saline-alkaline mineral waters in conditions affecting the alimentary tract. 18p. 23cm. Alb., 1946.

Forms No. 17, Pub. Saratoga Spa. Also: Am. J. Digest. Dis., 1945, **12:** 36–42.

Roux, E. G. *Contribution à l'étude physiologique des eaux minérales; eaux minérales et fonctions de digestion [Strasbourg] 127p. 24cm. Clermont-Ferrand, 1941.

Campos Manso, J. M. Aguas minerales y aparato digestivo. Rev. clín. españ., 1946, **22:** 38–43.—**Chabrol, E.** Le traitement hydro-minéral des colites. Commun. Congr. colit. (France) (1935) 1936, 1. Congr., 275.—**Gouraud, F. X.** Influence de quelques eaux minérales sur l'estomac. Mém. Congr. Ass. méd. fr. Amérique du Nord (1904) 1905, 2. Congr., 218–22.—**Hirsch, M.** Die Verweildauer der verschiedenen Mineralwässer im Magen. Allg. med. Zentr. Ztg, 1920, **89:** 229.—**Niculescu, G.** Tratamentul boalelor de stomac şi intestine cu apele minerale româneşti. Mişc. med. român., 1937, **10:** 368.—**Nodia, M. J.** [Evacuation of mineral water from the stomach into the duodenum] Vrach. delo, 1936, **19:** 879.—**Rodescu, L.** Tratamentul hydromineral al gastroptozei. Mişc. med. român., 1937, **10:** 457–9.—**Seral Casas, F.** Tratamiento de los síndromes digestivos con las aguas mineromedicinales; notas crenoterápicas. Clin. laborat., Zaragoza, 1931, **18:** 312–24.—**Woodmansey, A., & Linfoot, S.** Some experiments of gastric behaviour towards a natural medicinal water. Harrogate Spa M. J., 1938, **1:** No. 2, 21–8.

—— Disinfection.

Beger, H. Ueber die Notwendigkeit der Entkeimung der Mineralwässer. Zbl. Bakt., 1. Abt., Orig., 1947–48, **152:** 333–43.—**Gabbano, L.** Ueber Desinfektion der künstlichen Mineralwässer mittels Natriumsuperoxyd. Zschr. Hyg., 1930,

111: 372–9.—**Sergeev, M. I.** O racionalnom profilaktićeskom obczzaraźivanii mineralnykh vod. Hig. & san., Moskva, 1948, 13: No. 6, 40.

—— Diuretic effect.

See also other subheadings.

Auguste, C. Influences comparées de l'ingestion d'eau pure et d'une eau minérale diurétique sur les protéines du sérum sanguin. Ann. méd., Par., 1933, 33: 25–60.—**Buzagiu.** Cum se face cura de diureză intr'o stațiune hydrominerală. Mișc. med. român., 1937, 10: 834–6.—**Cottet, J.** Cure de diurèse et fonction uréo-secrétoire. Gaz. méd. France, 1935, 42: Suppl. stat. therm. fr., No. 7, 31–4. ——— La cure de diurèse dans le traitement hydro-minéral des syndromes entéro-hépato-urinaires. Paris méd., 1941, 31: 317–21. ——— & **Courjaret, J.** Pharmacodynamie des eaux diurétiques. Gaz. méd. France, 1948, 55: 295–7.—**Daniel, I., & Popescu-Buzeu, D.** Recherches sur le mécanisme de l'action diurétique des eaux minérales oligométalliques. Ann. méd., Par., 1926, 20: 641–50.—**Di Marco, I., & Marconi, F.** Sul comportamento della curva uricemica da iniezione endovenosa di acido urico sotto l'influenza di acqua oligominerale radioattiva. Riv. ital. ter., 1937, 11: 294–8.—**Duhot, E., & Cuvelier, L.** Epreuve de dilution et diurèse hydrominérale. Presse therm. clim., 1933, 74: 597–9.—**Flandin, C., Barbat, R. O., & Nepveux, F.** Action d'une eau faiblement minéralisée sur les éliminations rénales à l'état normal et pathologique. Bull. Acad. méd., Par., 1934, 3. ser., 111: 319–26.—**Giesser, H. J.** Harnsäurelöslichkeit im Harn nach Genuss von Kissinger Rákoczy, Salzschlirfer Bonifazius, Suhler Chlorcalciumsolquelle. Balneologe, 1939, 6: 302–8.—**Keller-Stoppany, A.** Die diuretische Wirkung einiger Mineralwässer. Schweiz. med. Wschr., 1927, 57: 370–3.—**Maucci, O. C.** La velocità di sedimentazione globulare in individui trattati idropinicamente con acque minerali diuretiche. Riv. idroclim., 1938, 49: 144–51.—**Meccoli, V.** Azione delle cure di diuresi con acqua oligominerale sul comportamento della curva uricoemica da iniezione endovenosa di acido urico. Clin. term., Roma, 1942, 2: 139–55.—**Ricci, A.** Autoesperienze sull'azione diuretica di un'acqua potabile naturale e della medesima, gasata; influenza del CO_2. Progr. med., Nap., 1949, 5: 87–90.—**Seral y Casas, F.** Arterial pressure, blood viscosity and the diuretic action of mineral waters. Arch. M. Hydr., Lond., 1937, 15: 245–7.—**Vančura, A.** [Effect of mineral waters on diuresis] Vest. Cesk. fysiat. spol., 1938, 18: 166–9.—**Vila López, A.** Los coloides y su importancia biológica; aplicación a la crenoterapia de las nefropatías y afecciones de vías urinarias. Med. españ., 1948, 11: 472–84.—**Violle, P. L.** La diurèse des hypotendus. Presse therm. clim., 1935, 76: 259–62. ——— & **Dufourt, P.** Action des eaux minérales sur les colloïdes cellulaires et le mécanisme de la diurèse. Presse méd., 1927, 35: 740.

—— Drinking-water.

Fazio, E. Della statistica dei bagni e delle acque minerali. Ann. med. pubb., 1877, 11: 32–6.—**Kunszt, J.** [Drinking mineral waters] Budapesti orv. ujs., 1938, 36: 525–7.—**Tafelwässer.** Reichsgesundhbl., 1934, 9: 1020–2.—**Vogel, F.** Proč se barví bíle víno některými minerálními vodami. Prakt. lék., Praha, 1927, 7: 524.—**Zweite** Verordnung der Reichsminister des Innern und für Ernährung und Landwirtschaft über Tafelwässer. Reichsgesundhbl., 1938, 13: 261.

—— Electric properties.

Beau, G. Un nouveau montage pour la mesure de la résistivité. J. pharm. chim., Par., 1938, 8. ser., 27: 53–6.—**Beneden, G. van.** A propos de la résistivité et de la conductivité électriques des tourbes. Arch. M. Hydr., Lond., 1939, 17: 89.—**Blanquet, L.** Remarques sur la mesure des résistivités des eaux minérales. J. pharm. chim., Par., 1938, 8. ser., 27: 49–53. ——— Résistivité électrique des eaux minérales. Presse therm. clim., 1939, 80: 74–6.—**Blanquet, P., & Dauphin, J.** Conductivité des eaux minérales; application au contrôle et à la classification des eaux minérales. Bull. Acad. méd., Par., 1946, 130: 368–71. Also Centre méd., Moulins, 1946, 52: Spec. No., 59–62.—**Guillerd, A.** Mesures de résistivité électrique des eaux minérales sur le terrain. Ann. Inst. hydr., Par., 1932–33, 8: 85–97. ——— Contrôle de l'analyse d'une eau minérale par sa résistivité électrique. Ibid., 1940–41, 13: 131–41.—**Lota, M.** Kontrola stálosti skladby minerálních vod měřením elektrické vodivosti. Vést. Cesk. fysiat. spol., 1947, 26: 18–35.—**Perrin, M., & Pierrot, A.** L'identification polarimétrique des eaux minérales par la détermination de la constante de Verdet et du pouvoir rotatoire magnétique. C. rend. Soc. biol., 1930, 104: 299–302.—**Rimattei, F.** Sur deux propriétés électriques des eaux minérales. Gaz méd. France, 1947, 54: 273–5.—**Scouttetten, H.** Electricité des eaux minérales. Année sc. indust., Par. (1865) 1866, 10: 341–6.—**Vitali, L.** Ricerche sull'analisi elettro-capillare delle acqua minerali secondo Kopaczewski. Gior. biol. appl., 1932, 2: 81–8.

—— Exploitation.

Fabre, R. Sur des demandes d'exploitation de sources d'eaux minerales. Bull. Acad. nat. méd., 1949, 133: 777–84.—**Le Noir.** Sur des demandes d'autorisation d'exploitation de sources d'eaux minérales. Bull. Acad. méd., Par., 1938, 3. ser., 119: 659; 1939, 122: 66. Also Presse therm. clim., 1938, 79: 379–83.—**Meillère.** Sur des demandes d'autorisation d'exploitation de sources minérales. Bull. Acad. méd., Par., 1926, 3. ser., 96: 50; 1931, 105: 252; also in subseq. years. Also Presse therm. clim., 1935, 75: 108–13.—**Pouchet.** Sur des demandes d'autorisation de sources minérales. Bull. Acad. méd., Par., 1935, 3. ser., 113: 561; also in subseq. years. Also Presse therm. clim., 1935, 76: 496; 549; 1936, 77: 541.—**Tanon.** Sur des autorisations d'exploitation des eaux minérales aux colonies. Bull. Acad. méd., Par., 1938, 3. ser., 119: 485.

—— Fermentative and catalytic power.

DASTUGUE, G. *Contribution expérimentale à l'étude pharmaco-dynamique des eaux minérales; eaux minérales et diastases. 152p. 23½cm. Toulouse, 1934.

Alexandrov, V. A. [Catalytic properties of mineral waters] Klin. Med., Moskva, 1929, 7: 804–11. ——— & **Pavlov, D. I.** [Activating effect of mineral waters on the action of amylase] Sovet. klin., 1931, 16: 273–83. ——— Die katalytische Aktivität der Mineralwässer und eine neue Methode der quantitativen Bestimmung derselben. Balneologe, 1934, 1: 274–80.—**Alonso García, G.** Poder oxidante y catalítico de algunas aguas minerales. Farm. & ter., Madr., 1948, 9: 93–6.—**Cronheim, G.** The catalytic action of natural mineral waters. J. Phys. Chem., 1941, 45: 328–40; 1943, 47: 638.—**Dastugue, G.** Sur les pouvoirs zymosthénique et imbibiteur d'une quarantaine d'eaux minérales. Presse therm. clim., 1934, 75: 477–80. ——— Contribution expérimentale à l'étude de l'action zymosthénique des eaux minérales. Ibid., 743–5.—**Frenkel, M.** Ueber das katalytische Vermögen der Mineralwässer. Zschr. wiss. Bäderk., 1928–29, 3: 805–15.—**Fresenius, L.** Ueber die katalytischen Eigenschaften der Mineralwässer. Ibid., 1926–27, 1: 169–72.—**Gaisser, F. C.** Ueber Katalase in Thermal- und Mineralwasser. Ibid., 1927–28, 2: 602–5.—**Glénard, R.** Le pouvoir catalytique des eaux minérales et l'ultramicroscope. Presse therm. clim., 1929, 70: 277.—**Guidi, G.** Le acque minerali purgative considerate dal punto di vista terapeutico. Riv. clin. med., 1929, 30: 1178; passim.—**Harpuder, K.** Ueber die biologische Bedeutung der katalytischen Eigenschaften von Mineralwässern und Schwermetallen. Zschr. wiss. Bäderk., 1927–28, 2: 773–6. ——— Ueber die Aktivität der Mineralquellen. Ibid., 1928–29, 3: 293–7.—**Igumnova & Reichart, A.** Methodisches zur Messung der Amylolyseaktivierung durch Mineralwässer. Ibid., 1930–31, 5: 333–7.—**Lang, S., Lang, H., & Zörkendörfer, R.** Ueber die katalytische (Wasserstoffsuperoxyd zersetzende) Wirkung von Mineralwässern. Balneologe, 1936, 3: 375–86.—**Loeper, M., Mougeot, A.** [et al.] Le pouvoir zymosthénique des eaux minérales après lipiprécipitation. C. rend. Soc. biol., 1932, 110: 778.—**Loeper, M., Mougeot, A., & Aubertot, V.** Pouvoir zymosthénique des eaux minérales sur l'uréase. Progr. méd., Par., 1926, 41: 1092. ——— L'action zymosthénique des eaux minérales sur la trypsine pancréatique. Ibid., 1927, 42: 1658–63. ——— Le pouvoir zymosthénique des eaux minérales. Presse méd., 1927, 35: 241–4. ——— La lipi-précipitation des cations spécifiques et la détermination du pouvoir protecteur et zymosthénique des eaux minerales. Ibid., 1932, 40: 625. ——— Les réductases du foie et du lait et le pouvoir zymosthénique des eaux minérales. Bull. Acad. méd., Par., 1933, 3. ser., 109: 179–82. ——— Essai du pouvoir zymosthénique in vitro de certaines eaux minérales sur le ferment glicolytique du sang. Ibid., 256. Also Presse therm. clim., 1933, 74: 211. ——— Pouvoir zymosthénique des eaux minérales et réductases. Rev. prat. mal. pays chauds, 1933, 13: 103–7.—**Mougeot, A.** Méthodes et techniques pour étudier le pouvoir zymosthénique des eaux-minérales. Arch. M. Hydr., Lond., 1927, 5: 252–4. ——— La pouvoir peroxydolytique des eaux minérales; sa mesure traduite sous forme d'indice numérique. Progr. méd., Par., 1928, 43: 733–8. ——— & **Aubertot, V.** L'activité peroxydolytique des eaux minérales; son expression sous forme d'un indice numérique. C. rend. Soc. biol., 1928, 98: 905–7.—**Piro, A.** Sul potere zimostenico delle acque minerali. Riv. idroclim., 1933, 44: 12–7.—**Retovsky, R.** L'hydrocatalase. Bull. Soc. chim. biol., Par., 1936, 18: 1106–14.—**Schober.** Die Amylolyse aktivierende Eigenschaft von Thermal- und Mineralwässern. Zschr. wiss. Bäderk., 1927–28, 2: 776–8. ——— & **Gaisser.** Ueber die Amylolyse aktivierende Eigenschaft des Thermalwassers. Ibid., 1930–31, 5: 326–30.—**Uzan, M., & Monnet, A.** Sur le pouvoir peroxydolytique des eaux minérales. Presse therm. clim., 1938, 79: 139.—**Woodmansey, A.** Catalysis in relation to mineral waters. Proc. R. Soc. M., 1932, 25: 321–5.

—— Flocculation.

DAVOUST, J. *Quelques recherches sur la floculation des eaux minérales bicarbonatées ferrugineuses [Toulouse; Pharm.] 95p. 24cm. Reims, 1937.

Armand & Lescoeur. Recherches sur la floculation des eaux bicarbonatées. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 303–6.—**Blanquet, L., Armand, J.** [et al.] Contribution à l'étude de la floculation des eaux minérales. Ann. Inst. hydr., Par., 1935, 10: 186–207.—**Blanquet, L., & Armand, L.** Contribution à l'étude de la floculation des eaux minérales. Bull. Acad. méd., 1935, 3. ser., 114: 103–5.—**Blanquet, Dodel, P., & Dastugue, G.** Eaux

minérales floculées et non floculées; modifications de leurs propriétes physiologiques. Presse therm. clim., 1938, **79**: 535–7.—**Reisler, A. V., & Timchenko, N. V.** O priéinakh obrazovanija temnykh khlopjev v mineralnykh vodakh. Hig. & san., Moskva, 1949, **14**: No. 8, 30–2.—**Villaret, M., Justin-Besançon, L., & Kohler, D.** Effets physiologiques de quelques eaux minérales floculées et non floculées. Paris méd., 1937, **103**: 329–35.

—— Flora.

Suhrcke, U. *Ueber die Wirkung einiger deutscher Heilquellen auf die Pflanzenentwicklung. 24p. 8° Rost., 1936.

Billard, G., & Mougeot, A. Les eaux minérales; milieux vitaux; nouvelles expériences sur les végétaux supérieurs. Presse méd., 1929, **37**: 546–51.—**Frémont, T.** Influenee des eaux minérales sur le développement de quelques végétaux. C. rend. Soc. biol., 1933, **114**: 128–30.

—— Gas content.

See also other subheadings (acidulous; Radon)

Di Baja, A. El control bacteriológieo de la elaboraeión de aguas gasifieadas. Rev. med., B. Air., 1940, **2**: 878–80.—**Kampe.** Mathematisch-physikalische Theorie gasführender Quellen. Wien. med. Wschr., 1920, **70**: 1842.—**Lenoch, F.** [Investigation on the significance of the gaseous factor in mineral waters] Vest. Cesk. fysiat. spol., 1938, **18**: 169–78.—**Lepape, A.** Les gaz rares des eaux minérales. Rapp. Congr. internat. hydr. elim., 1933, 14. Congr., 363–82. Also C. rend. Congr. internat. hydr. elim. géol. méd. (1933) 1934, 14. Congr., 201–3.—**Moureu, C.** Sur la composition chimique des mélanges gazeux qui se dégagent de l'eau de quelques sources thermales; recherche spéciale des gaz rares. Ibid. (1905) 1906, 7. Congr., 839–54. ——— Recherches sur les gaz rares des sources thermales; leurs enseignements concernant la radioactivité et la physique du globe. Bull. Soc. pharm. Côte d'Or, 1911, No. 28, 263–86.—**Nasini, A.** Rapport sur les gaz rares des eaux minérales. Rapp. Congr. internat. hydr. clim., 1933, 14. Congr., 325–61, pl.—**Nicloux, M.** Recherche de l'oxyde de carbone dans les gaz spontanés des sources thermales. Ann. Inst. hydr., Par., 1926, **4**: 1–14.—**Rimattei, F., & Griscelli, J.** Sur l'étude des gaz dissous dans les eaux minérales. Bull. Acad. méd., Par., 1943, **127**: 217–20.—**Sborgi, U.** Sul significato dell'elio nei gas naturali e sull'importanza della sua determinazione nelle acque minerali. Clín. term., Roma, 1948, **1**: 238–43.—**Stephens, G. A.** Oxygenated mineral waters. Prescriber, Edinb., 1934, **28**: 253.—**Urbain, P.** Sur les conditions théoriques du réchauffement des eaux gazeuses du point de vue des pertes de gaz. Presse therm. elim., 1939, **80**: 76–82.—**Valedinsky, I. A.** Naruźnoe primenenie gazovykh vod. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **2**: 47–71.—**Wilson, S. H.** The analysis of hot-spring gases. N. Zealand J. Se., 1938–39, **20**: B, 233–48.

—— Geography.

See **Mineral waters (and spas)**

—— Geology.

Löwig, K. J. Ueber die Bestandtheile und Entstehung der Mineralquellen. 227p. 20cm. Zür., 1837.

Pirona, G. A. Synodontites, nuovo genere di rudiste; memoria. 16p. 21cm. Vencz., 1867.

Astruo, A. Les eaux minérales, agents modificateurs de la croute terrestre. Montpellier méd., 1930, **52**: 375–88.—**Bernardi, R.** Il carbonio nell'acqua da roccia calcarea. Studium, Nap., 1937, **27**: 200.—**Canavari, M.** Elementi di idrogeologia e speciali considerazioni sulle sorgenti termo-minerali. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 63–104.—**Dewey, H.** The geology of mineral springs. Arch. M. Hydr., Lond., 1926, **4**: 135–9.—**Ebert, A.** Geophysikalische Aufschlussmethoden und ihre Bedeutung für die Quellenkunde. Balneologe, 1936, **3**: 173–9.—**Ferraz de Carvalho, Fleury, E.** [et al.] Relação entre a estrutura geológica e as águas medicinais. Clín. hig. & hidr., Lisb., 1945, **11**: 159.—**Hellmich, E.** Quellen im Serpentingestein. Balneologe, 1942, **9**: 373–7.—**Kisskalt, K., & Knorr, M.** Die Gefährdung von Diluvialquellen und ihre Untersuchung mit Uranin und Kochsalz. Arch. Hyg., Münch., 1930, **103**: 349–64.—**Mazzitelli, M.** Influenza delle rocce marmoree sulla mineralizzazione delle acque. Studium, Nap., 1926, **16**: 375–8.—**Mestwerdt.** Zur Geologie der Heilquellen. Balneologe, 1936, **3**: 1–7.—**Pfannkuch, F.** Ueber die allgemein-geologischen Grundlagen zum Verständnis der Quellenlehre für den Arzt. Med. Welt, 1935, **9**: 593–7.—**Piéry, M., Enselme, J., & Nury, D.** Recherches sur l'action biologique de deux eaux sulfatées chlorurées et d'une eau chlorurée sodique minéralisées dans des terrains gypseux de même origine. Ann. Inst. hydr., Par., 1936–37, **11**: 283–309.—**Scheuchzer, J. J.** Von anderen Fontibus periodicis, oder nur zu gewüsser Zeit fliessenden Brünnen. In his Hydrogr. Helvet., Zür., 1717, 124–36, illust.—**Walther, J.** Die Stellung der Heilquellen im geologischen Wasserhaushalt. Med. Welt, 1935, **9**: 589–93.

—— Halogen containing.

Arisi, F. La tecnica di applicazione delle cure salsoiodiche nell'infanzia. Riv. idroclim., 1941, **52**: 177–85.—**Barengo, E.** L'influenza delle cure salsoiodiche su la respirazione cellulare. Gior. clin med., 1939, **20**: 1188–93.—**Bussi, A.** Le acque salsobromoiodiche e loro applicazioni. Rass. internaz. clin. ter., 1936, **17**: 680; 742.—**Cantu, G. L.** Intorno alla ricerca dell'iodio e del bromo nelle acque minerali. Mem. med. contemp., Venez., 1845, **14**: 261–4.—**Chiari, R.** Zur therapeutischen Wirkung der Jodwässer. Zschr. wiss. Bäderk., 1928–29, **3**: 915–9.—**Foresti, B.** Sulla determinazione dello iodio e del bromo nelle acque minerali. Boll. Soc. eustach., 1941, **39**: 87–100.—**Guidi, G.** Acque salsoiodiche e loro azione. Forze san., Roma, 1936, **5**: 878–85.—**Pierquin.** Sur un nouveau réactif propre à constater la présence de l'iode dans les eaux minérales, etc. Observ. sc. méd., 1824, **7**: 101–3.—**Rothe, W.** Beitrag zur massanalytischen Bestimmung von Jodid und Bromid in Mineralwässern. Pharmazie, Berl., 1950, **5**: 68–70.—**Sander, F.** Zur Bestimmung von Jod in Trink- und Mineralwässern. Arch. Hyg., Münch., 1935–36, **115**: 346–50.—**Straub, J.** [Effect of mineral water containing iodine] Budapesti orv. ujs., 1930, **28**: 1233–6.—**Torboli, A.** Sopra l'attività biologica di alcune aeque termali salsobromoiodiche. Boll. Soc. ital. biol. sper., 1939, **14**: 575.

—— Hematopoietic effect.

Duhot, E. Erythroeytolyse en milieu hydrominéral. Echo méd. nord, 1935, 3. ser., **3**: 795–804.—**Forestier, J.** Les examens du sang au cours des eures hydro-minérales. Presse therm. elim., 1934, **75**: 383–7.—**Grossman, J.** Ueber den Einfluss von Trinkkuren mit Mineralwässern auf den osmotischen Druck des menschlichen Blutes. Deut. med. Wschr., 1903, **29**: 276–9.—**Pfannenstiel, W.** Tierexperimentelle Studien über Mineralwasser-Wirkungen auf das Blut. Münch. med. Wschr., 1933, **80**: 1090.—**Piéry, M., Enselme, J.** [et al.] Etude comparée de l'influence des sources ferrugineuses et des sources chlorurées sodiques carbo-gazeuses chaudes sur la réparation des anémies par spoliation sanguine. Presse therm. clim., 1940, **81**: 229–34.—**Sarmento, M., Ferreyrolles** [et al.] As variações sanguíneas durante o tratamento hidro-mineral. Clín. hig. & hidr., Lisb., 1945, **11**: 148–50.—**Suárez Palacios, F.** Acción de las aguas mineromedicinales sobre la viscosidad sanguínea. Medicina, Madr., 1945, **13**: 332–68.—**Vila López, A.** Terapéutica hidromineral en los estados anémicos. Med. españ., 1946, **15**: 491–500.

—— Hepatic and biliary effect.

Bonnet, G. F. Action des eaux minérales sur les fonctions hépatiques. Presse therm. clim., 1947, **84**: 117–25.—**Cabello Campos, J. M., & Branco Ribeiro, E.** A imagem radiologica da vesicula sob a ingestão de aguas medicamentosas naturaes. Ann. paul. med. cir., 1940, **40**: 317–23.—**Chiray, M., & Pavel, I.** Behandlingen av gallstenssjukdomen medelst medicinska preparat och mineralvatten. Nord. med. tskr., 1933, **5**: 47.—**Dany.** La thérapeutique hydrominérale dans les séquelles des ictères infectieux. Rev. foie, 1946, **5**: 264.—**Delore, Milhaud & Garraud.** Recherches sur le pouvoir cholagogue de quelques eaux minérales, par l'épreuve de Meltzer-Lyon; action sur la vésieule biliaire. Presse therm. clim., 1947, **84**: 218.—**Iacobovici, I.** Importanta tratamentului hidromineral dupa operatiunile pentru litiaza biliara. Mişc. med. român., 1937, **10**: 404–8.—**Mauro Aguado, B.** Tratamiento hidromineral de las enfermedades hepáticas. Farmacoter. actual, Madr., 1945, **2**: 569–76.—**Messini, M., & Cardinali, M.** Osservazioni cliniche sul comportamento del fegato in varie condizioni morbose sotto l'influenza d'un trattamento idropinico. Clin. term., Roma, 1943, **3**: 1–41.—**Mixa, M.** Léčení žlučových kaménků minerálními vodami. Cas. lék. česk., 1944, **83**: 601–6.—**Piéry, M., & Milhaud, M.** Etude expérimentale comparée de l'action des eaux bicarbonatées-sodiques et bicarbonatées-calciques sur la sécrétion biliaire. Presse therm. clim., 1937, **78**: 65–7.—**Tudoranu, G.** Tratamentul boalelor de ficat şi a căilor biliare cu apele minerale româneşti. Mişc. med. român., 1937, **10**: 367. ——— Litiaza biliara, tratamentul ei cu ape româneşti. Ibid., 427–30.—**Zacco, M.** Importanza dei sali minerali del siero nel fenomeno emolisi da sali biliari. Boll. Soc. ital. biol. sper., 1945, **20**: 48.

—— History.

See also **Balneography**; also under subheadings of **Mineral waters (and spas)**

Arici, C. L'origine delle fonti; poema. 93p. 18½cm. Milano, 1855.

Benedicenti, A. Le cure termali nei tempi passati. p.3–62. 22½cm. Milano, 1927.
In: Tratt. crenoter. (Trambusti, A.)

Cabanès. Villes d'eaux à la mode au grand siècle. 364p. 12° Par., 1936.

Sautel, M. *Régimes et fantaisie gastronomiques dans les stations thermales à travers les âges. 52p. 8° Par., 1936.

STEENHOFF, R. Mineralvattenteknikens utveckling. p.121–76. 25cm. Stockh., 1935.
In: Apotek. Mineralvatt. aktiebolag, Stockh., 1935.

Bibita (La) delle acque minerali (dall'Holländer: Karikatur u. Medizin) [illust.] In: Malati (Benedicenti, A.) Milano, 1925, **2:** 1234.—**Bomboy, E.** Les voyages de Montaigne aux eaux minérales en 1580–81. Progr. méd., Par., 1947, **75:** 316.—**Boyle, R.** Short memoirs for the natural experimental history of mineral waters [Bk Rev.] Philos. Tr., Lond., 1685, **15:** 1063–6.—**Brüning, H.** Kurortwochenend zu Grosselterns Zeiten. Münch. med. Wschr., 1940, **87:** 323–5.—**Buchner, E.** Bäder und Heilquellen. In his Aerzte & Kurpfuscher, Münch., 1922, 223–36.—**Corbière, E.** Evolución histórica de la crenología. Rev. As. méd. argent., 1944, **58:** 698.—**Corsini, A.** Le cure idro-minerali di alcuni secoli or sono. Minerva med., Tor., 1928, **8:** 1027–34.—**Du Clos.** [Mineral waters] Philos. Tr., Lond., 1676–78, **11–12:** 617.—**Engerand, F.** Les villes d'eaux au seizième siècle. In his Amusem. d. villes d'eaux, Par., 1936, 57–87, pl.—**Ferron.** Note concernant les médecins des eaux minérales et leur uniforme à la fin du XVIII[e] siècle. J. méd. Bordeaux, 1944–45, **121:** 571.—**G.** Una cura balnearia en el siglo XVII. Actas Ciba, Rio, 1949, 32.—**García Ayuso, J.** Jerarquía de la clínica balnearia en la evolución de la hidrología médica. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **1:** 837–40.—**Gaté, J.** Le thermo-climatisme à travers l'histoire. J. méd. Lyon, 1942, **23:** 57–70.—**Häberlin, C.** Historia hydrologica; thalassotherapy. Arch. M. Hydr., Lond., 1934, **12:** 294–7.—**James, C., & Aud'houi, V.** Voyage de Montaigne aux eaux minérales en 1580 et 1581. In their Guide prat. eaux minér., 13. ed., Par., 1889, 511–44.—**Kaiser.** Gesundheitswässerchen im Mittelalter. Pharm. Zhalle, 1929, **70:** 647.—**Kukowka, A.** Geschichtliches über den Gebrauch von Heilquellen und Bädern. In his Heilquell. Thüring., Rudolstadt, 1948, 110–5.—**Latronico, N.** La terapia idro-termale della podagra in un consulto inedito del cinquecento. Riv. idroclim., 1941, **52:** 164–8.—**Le Fanu, W. R.** Preserving mineral waters; a letter of 1735 from Stephen Hales. Postgrad. M. J., Lond., 1946, **22:** 121.—**Le Picoreur** [pseud.] Quelques curiosités sur les eaux. Paris méd., 1922, **44:** Annexe, 292.—**Lévy, G.** Essai sur l'évolution des idées qui ont regné en hydrologie et influé sur le mode d'emploi des eaux thermales et minérales. Strasbourg méd., 1927, **85:** pt 2, 46–60.—**Lorenzo Velázquez, B.** De la farmacología de los iones a la crenoterapia? Farmacoter. actual, Madr., 1945, **2:** 357–82, illust.—**Madrid Moreno, D. J.** Análisis de aguas mineromedicinales efectuados a últimos del siglo XVIII por las expediciones científicas enviadas a América. Siglo méd., 1935, **95:** 457–9.—**Maupassant, G. de.** Tel apparait ce créateur de ville d'eaux. In: Médecin (Barjon, L.) Par., 1948, 206–8.—**Molinery, R.** Sur les vieux chemins des fontaines de jouvence; nos frères inférieurs aux eaux minérales. Rev. path. comp., Par., 1942, **42:** 287–90. ——— & **Molinéry, P.** La thérapeutique hydrominérale au cours du moyen âge. In their Luchon, Par., 1937, 12–4.—**Morlot, A.** Problème des tasses thermales gallo-romaines. Presse therm. clim., 1939, **80:** 549.—**Petty, W.** Some queries whereby to examine mineral waters. Philos. Tr., Lond., 1683–84, **13–14:** 802.—**Rath, G.** Die Anfänge der Mineralquellenanalyse. Med. Mschr., 1949, **3:** 539–41.—**Roasenda, G.** Stabilimenti e cure idroterapiche; evoluzione negli ultimi cinquant'anni. Riv. idroclim., 1941, **52:** 56–62.—**Santos Filho, L. de C.** Hidroterapia; banhos de mar; águas minerais. In his Hist. med. Brasil, S. Paulo, 1947, **2:** 222–8.—**Scheuchzer, J. J.** Petri de Tussignano liber de balneis burmi, in quo non solum aquarum vires & medicinae, sed earum quoque exhibendarum canones explicantur. In his Hydrogr. Helvet., Zür., 1717, 356–60. ——— Petri Pauli Paravicini Novocomensis medici, de burmiensium thermarum situ, natura, miraculisque. Ibid., 361–3.—**Tanfani, G.** Jacopo Dondi, medico padovano del trecento, ed il suo metodo di estrazione del sale dalle acque termali. Riv. stor. sc. med., 1935, **26:** 8–23.—**Thermo-climatisme** (Le) en France à travers l'histoire. Praxis, Bern, 1942, **31:** 440; passim.—**Uzan, M.** Note historique sur la vente des eaux minérales à Marseille au XVIII[e] siècle. Médecin chez lui, 1939, **16:** No. 14, 19.—**Vauthey, M.** Les animaux dans l'histoire des eaux minérales. Méd. internat., Par., 1934, **42:** 234; passim.—**Wickersheimer, E.** Un médecin d'hôpital thermal au XIII[e] siècle. Janus, Leyden, 1936, **40:** 241–3.

—— Homeopathic aspect.

Kühnau. Homöopathie und Heilquellenwirkung. Vortr. Internat. homöop. Kongr. (1937) 1938, 12. Kongr., 154–9.—**Molinery.** Sur les vieux chemis des fontaines de jouvence; rencontre de l'homéopathie et de la crénothérapie. J. méd. Bordeaux, 1939, **116:** pt 2, 56–61.—**Schober, P.** Ist das Mineralwasser ein allopathisches oder ein homöopathisches Heilmittel? Med. Welt, 1940, **14:** 685.

—— hot-spring.

See subheading (thermal)

—— Hydrobiology.

Emoto, Y. Die Mikroorganismen der Thermen. Stud. Tokugawa Inst., 1932–33, **2:** No. 4, Art. 2, 268–95.—**Fontès, G., Lindenberg, A., & Bruner, J.** Hydratation de Carassius auratus dans l'eau Héper et dans l'eau grande source de Vittel; sa déshydration dans l'eau pavillon de Contrexéville et dans l'eau Cachat d'Evian. C. rend. Soc. biol., 1936, **122:** 323.—**Krieger, H.** Die Vegetation der Mineralquellen und deren Einfluss auf die Umgebung. Balneologe, 1937, **4:** 418–23.—**Lauby, A.** Des modifications que subissent les diatomées d'eau douce sous l'action des eaux minérales. C. rend. Ass. fr. avance. sc. (1908) 1909, **37:** 621.—**Okada, Y.** Nippon-san onsen dōbutu no kenkyū [Studies on hotspring animals native to Japan] Zissen irigaku, 1939, **9:** 510–8.—**Prát, S.** Die Vegetation der kohlensäurehaltigen Quellen (Oscillatoria carboniciphila n. sp.) Arch. Protistenk., 1929, **68:** 415–21.—**Retovsky, R.** Les analyses périodiques d'eaux minérales et la Spirogyra borgeana Transeau. Bull. Soc. chim. biol., Par., 1935, **17:** 96–105.—**Schwabe, G. H.** Ueber Blaualgen in unraumfremden Quellen. Mitt. Deut. Ges. Natur. Kunde Ostasiens, Tokyo, 1943, **33:** E, 15–56, illust.—**Wulfert, K.** Neue Rotatorienarten aus deutschen Mineralquellen. Zool. Anz., 1942, **137:** 187–200.

—— Hygiene.

See also other subheadings (Spring; Station)

CASTRONUOVO, G. Cure fisiche ed idrominerali nelle malattie dei paesi caldi. p. 49–100. 25cm. Fir., 1936.
In: Atti Congr. stud. col., sez. pat. (1934) 1936, 2. Congr., **7:**

Delfino, V. Las aguas minerales desde el punto de vista de la higiene. Arch. brasil med., 1913, **3:** 899–905. Also Actas Congr. méd. lat. amer. (1913) 1914, 5. Congr., **8:** 486–91.—**Guillerd, A.** Hygiène de l'eau minérale. Mouvem. san., Par., 1936, **13:** 410–24.—**Zolog, M.** Igiena apelor minerale. Mişc. med. român., 1937, **10:** 364.

—— Indications.

DITERIKHS, M. M. Заболевания органов опоры и движения на курортах. p.332–409. 23cm. Moskva, 1936.
In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3:**

Alix, M. F. Obs. 6: Efficacia in cacochymicis. In his Observ. chir., Altenburg &c., 1777, **3:** 126. ——— Obs. 21: Virtus aquarum vermifuga. Ibid., 139.—**Arbinet La Bessède, E.** Classification des principales affections justiciables de traitements hydrominéraux et des stations françaises correspondantes. Strasbourg méd., 1935, **95:** 159–62.—**Castillo de Lucas, A.** Indicaciones hidroclimáticas. In: Guía of. baln. España (1946–47) 1946, 19–64.—**Cmunt, E.** Balneologické indikace a kontraindikace. Věst. Cesk. fysiat. spol., 1947, **26:** 89–98.—**Creyx, M.** Les eaux minérales. J. méd. Bordeaux, 1931, **108:** 7; 159.—**Farneti, P.** Indicazioni cliniche di alcune acque minerali. Riv. idroclim., 1940, **51:** 1–6.—**Gaehlinger, H.** Quelques applications des travaux récents au traitement thermal de l'amibiase et du paludisme. Rev. prat. mal. pays chauds, 1925–26, **5:** 460–75.—**Giraud, G.** Le traitement hydrominéral du lymphatisme. J. méd. fr., 1934, **23:** 211–3.—**Gorham, L. W.** The place of spas in the treatment of chronic disease. N. York J. M., 1931, **31:** 402–5.—**Grandpierre, R., Hubert, P., & Valatx, A.** Etude clinique comparative des indications et contre-indications des cures thermales de Bourbonne et de Barèges. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 258–60.—**Huchon, H. A.** Qu'attendre de la crénothérapie en médecine exotique; l'orientation vers la cure thermale. Méd. trop., Marseille, 1948, **8:** 215–8.—**Keller, A.** Die Wirkungen und Heilindikationen der Mineralwässer. In: Mineral etc. Quellen Schweiz (Schweiz. Ver. analyt. Chem.) Bern, 1937, 8–20.—**Kukowka, A.** Heilanzeigen für den Gebrauch von Heilquellen und Bädern. In his Heilquell. Thüring., Rudolstadt, 1948, 202–41.—**Medicinskie** pokazania i protivopokazania dlja naprevlenija bolnykh na obščegosudarstvennye kurorty RSFSR. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3:** 575–600.—**Parmentier.** Traitement hydro-minéral de quelques séquelles de la guerre. Caducée, Par., 1919, **19:** 76.—**Prado Junior, F.** Aguas mineromedicinais e suas indicaçoes. Gaz. clín., S. Paulo, 1940, **38:** 327–30.—**Quaderni** di indicazione terapeutica delle acque minerali. Forze san., Roma, 1940, **9:** No. 8, 43; passim.—**Rimattei, F.** L'utilisation du médicament cau minérale dans la lutte contre les fléaux sociaux. Sud méd. chir., 1945, **77:** 409–12.—**Rúiz Huidobro, R.** Crenoterapia y medicina industrial. Rev. As. méd. argent., 1942, **56:** 603–6.—**Schober, P.** Ueber die Konstitutionen als Grundlage der Bäderindikationen. Münch. med. Wschr., 1936, **83:** 423–5.—**Vinaj, A.** Le cure idrotermali nelle malattie della vecchiaia. Forze san., Roma, 1936, **5:** 1710–2.

—— Indication, cardiovascular.

VALEDINSKY, I. A. Курортотерапия заболеваний сердца и сосудов. p.21–76. 23cm. Moskva, 1936.
In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3:**

Bert, J. M. Les cures thermales et climatiques dans le traitement des cardiopathies valvulaires. Feuill. praticien, 1948,

No. 74, 1.—**Jax, K.** O częściowych kąpielach mineralnych kwasowęglowych w leczeniu chorych na serce. Polski tygod. lek., 1947, **2**: 577.—**Noel-Deschamps, P.** Les bains carbo-gazeux naturels en thérapeutique cardio-vasculaire. Strasbourg méd., 1938, **98**: 263–70.—**Pitous, P.** Quelques considérations sur la nouvelle thérapeutique d'urgence de la phlébite; action du traitement hydro-minéral à grand débit de barbotan sur le syndrome humoral de la maladie. Presse therm. clim., 1948, **85**: 61–3.—**Pribram, H.** Therapeutische Mitteilungen mit besonderer Berücksichtigung der Herz- und Nierenkrankheiten. Arch. Baln. med. Klim., 1925–26, **1**: 414–25.—**Zoja, L.** Indicazioni crenoterapiche nelle malattie del cuore e dei vasi. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 628–37.

—— Indication: Contraindications.

Corone. Les contre-indications générales de la crénothérapie. Presse therm. clim., 1937, **78**: 360–4.—**Creyx, M.** Les contre-indications des eaux minérales. Synthèse, Par., 1935, **3**: No. 3, 22–4.—**Moreaux, R.** De quelques contre-indications à l'usage de certaines eaux minérales. Ann. hyg., Par., 1929, n. ser., 7: 741–5.—**Obshchie** protivopokazanija, soveršenno isključajuščie napravlenie bolnykh na kurorty. In: Spravoch. vrach. kurorty &c. (Goldfeil, L. G.) Moskva, 1941, 8–11.

—— Indication, dermatological.

See also **Dermatology,** Thérapeutics.

Barduzzi, D. Le indicazioni crenoterapiche nelle malattie cutanee. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 303–15.—**Boutelier, A.** Eaux minérales. In: Nouv. prat. derm. (Darier) Par., 1936, **8**: 745–57.—**Bremener, M. M.** Kurortoterapia kožnykh boleznej. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 496–516.—**Flurin, H., & Valette, P.** Infections cutanées, troubles de carence et cures hydrominérales. Gaz. méd. France, 1943, **50**: 131.

—— Indication, gynecological.

See also **Gynecology,** Thérapeutics.

Desnos, É. H. *La thérapeutique hydro-minérale en gynécologie. 58p. 8° Par., 1926.

Banister, J. B. Spa treatment in gynaecological cases. Med. Press & Circ., Dubl., 1936, **192**: 483.—**Boys, L.** The value of spa treatment in gynaecological cases. Ibid., 484–6.—**Canel, Y.** Action des eaux minérales en gynécologie. Clinique, Par., 1948, **43**: No. 416, 12–6.—**Crainiceanu, A.** Considerațiuni asupra tratamentului hidro-mineral în bolile de femei. Misc. med. român., 1937, **10**: 366.—**Daniel, C.** La terapia della sterilità femminile e l'azione favorevole delle acque e delle cure termali. Atti Settim. med. internaz. (1937) 1938, 1. meet., 483–524.—**Delépine, J.** Les cures hydro-minérales en gynécologie. J. sc. méd. Lille, 1922, **40**: pt 2, 465–70.—**Devraigne, L., & Séguy, J.** Les cures thermales; leurs rapports avec la maternité et la gynécologie. Presse therm. clim., 1937, **78**: 569–72.—**Dick, V. G.** Kurortoterapia ginekologičeskikh zabolevanij. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 448–95.—**Macrez.** Crénothérapie et gynécologie. Marseille méd., 1928, **65**: 623–8.—**Mangiagalli, L.** Le indicazioni crenoterapiche nelle malattie ginecologiche. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 419–31.—**Pierra, L. M., & Canel, Y.** La douleur et son traitement thermal en gynécologie. Presse therm. clim., 1946, **83**: 91–3.—**Vignes, H.** Les cures hydrominérales en gynécologie. Sem. hôp. Paris, 1935, **11**: 255. ——— La terapia termominerale in ginecologia. Atti Settim. med. internaz. (1937) 1938, 1. meet., 379–419, illust., incl. French transl. Also Gynécologie, 1939, **38**: 230–3.

—— Indication, internal medical.

Alexandrov, V. A. Kurortnoe lećenie boleznej obmena. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 118–70. ——— Kurortoterapia Bright-ovoj bolezni. Ibid., 236–67.—**Boeri, G.** Crenoterapia nelle affezioni broncopolmonari. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 362–78.—**Duhot, E.** Thérapeutique hydrominérale des infections et intoxications intestinales. J. belge gastroentér., 1934, **2**: 567.—**Dumitrescu-Popovici.** Tratamentul hidromineral al aerofagiei. Misc. med. român., 1937, **10**: 455.—**Einis, V. L., & Nosov, V. N.** Kurortoterapia boleznej legkikh. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 77–117.—**Konchalovsky, M. P.** Kurortoterapia pećenoćnykh bolnykh. Ibid., 216–35.—**Léon-Robert.** Les cures hydrominérales dans les affections médicales. J. méd. Paris, 1933, **53**: 479–81.—**Lurija, R. A.** Kurortoterapia zabolevanij želudočno-kišećnogo trakta. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 171–215.—**Marañon, G.** Tratamiento hidromineral de las enfermedades de la nutrición y de las secreciones internas. Rev. españ. med. cir., 1929, **12**: 539–46.—**Pende, N.** La crenoterapia nelle malattie del ricambio, comprese le sindromi reumatiche, anafilattiche, endocrino-vegetative. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 555–79.—**Shereševsky, N. A.** Kurortoterapia boleznej endokrinnoj sistemy. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 324–31.—**Valette.** Glandes endocrines et cures hydrominérales; les eaux minérales et les troubles de la croissance. Presse therm. clim., 1947, **84**: 145–9.

—— Indication, neurological.

Verzilov, V. M. Курортотерапия нервных заболеваний. p.268–323. 23cm. Moskva, 1936.

In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**:

Bykhovskaja, A. N., Antokhina, V. A., & Maksimova, M. K. [Study of peripheral blood circulation in functional neurosis in relation to certain procedures in mineral water therapy] Sovet. nevropat., 1933, **2**: 62–7.—**Macé de Lépinay.** Les nerveux aux eaux minérales. Marseille méd., 1928, **65**: 609–14.—**Morselli, E.** La crenoterapia nelle malattie del sistema nervoso. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 432–59.—**Woodmansey, A.** The catalytic factor in mineral water therapy. Prescriber, Edinb., 1932, **26**: 89–92.

—— Indication, ophthalmological.

Orlov, K. H. Kurortoterapia glaznykh boleznej. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 532–5.—**Ovio, G.** Indicazioni crenoterapiche delle malattie oculari. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 541–54.

—— Indication, otorhinolaryngological.

Flurin, H. A. J., & Vialle, J. Indications créno-et climatothérapiques en oto-rhino-laryngologie. Pt 1: Indications crénothérapiques en oto-rhino-laryngologie. p.129–99. 24cm. Par., 1930.

Arch. internat. laryng., Par., 1930, **9**:

Corone, A. Le traitement hydro-minéral des affections du nez. Avenir méd., Lyon, 1942, **39**: 119–23.—**Flurin, H.** Les sinusites allergiques et leur traitement hydrominéral. Gaz. méd. France, 1944, **51**: 131.

—— Indication, pediatric.

Aceña Calvo, M. Las aguas minerales en pediatría. Siglo méd., 1936, **97**: 398–401.—**Aparicio, R.** Los tratamientos hidrominerales en pediatría. Casa méd., Madr., 1947, 2. época, No. 80, 17–21.—**Barberi, S.** Le cure idrominerali nell'infanzia. Med. nuova, 1938, **29**: 163–75.—**Cany, G., & Cany, J.** Le traitement de la dilatation des bronches chez l'enfant par l'inhalation d'eaux minérales brumifiées. Rapp. Journées thér. Paris (1946) 1948, 449.—**De Toni, G.** Principali indicazioni delle cure idrominerali nella profilassi delle malattie infantili e necessità di adattare razionalmente a questo compito le nostre stazioni di cura. Difesa sociale, 1937, **16**: 765–91.—**Mathieu, J. E.** Clinique hydrologique sulfuro-iodée chez les enfants. Méd. inf., Par., 1936, **43**: 182–90.—**Medovikov, P. S.** Kurortoterapia detskikh zabolevanij. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 536–74.—**Pierret, R.** Crénothérapie et pédiatrie. Marseille méd., 1928, **65**: 615–22.—**Rodríguez Pi'illa, H.** Crenoterapia en los niños. Siglo méd., 1936, **97**: 386–9.—**Vila López, A.** La cura crenoclimática infantil. Med. españ., 1948, **11**: 175–85.—**Vinaj, A.** La crenoterapia nella profilassi e nella cura dell'infanzia. Forze san., Roma, 1941, **10**: No. 5, 12–6.

—— Indication, rheumatological.

Guimarães, F. Crenoterapia do artritismo. p.67–134. 27½cm. Coimbra, 1945.

Arq. Inst. farm., Coimbra, 1944–45, **8**:

Edgecombe, W. The role of natural mineral waters in treatment of the rheumatic affections. Brit. J. Actinother., 1930–31, **5**: 245–7.—**Niculescu, P.** Acțiunea ionului iodic, cloric și al sulfului în tratamentul hidromineral al reumatismelor. Misc. med. român., 1937, **10**: 370.—**Rouveix, J.** Le traitement hydrominéral du rhumatisme articulaire aigu et de ses séquelles cardiaques. Centre méd., Moulins, 1946, **52**: Spec. No. 23–6.

—— Indication, stomatological.

Filderman, J. Le massif maxillo-facial et les cures thermales. Rev. odont., Par., 1937, **58**: 117–40.—**Gallwas, R.** Beobachtungen über das Verhalten dentogener Fokalherde beim Gebrauch von Mineralbädern und Moorbädern. Deut. zahnärztl. Wschr., 1938, **41**: 1140.

—— Indication: Surgical diseases.

Creyx. Séquelles de traumatismes et crénothérapie. J. méd. Bordeaux, 1936, **113**: 63.—**Giraud, G.** Behandlingen av följdtillstånd efter cholecystektomi medelst medicin och mineralvatten. Nord. med. tskr., 1933, **5**: 46.—**Kučera, V.** Lázeňská léčba vleklých nehnisavých zánětů kloubních. Cas. lék. česk., 1917, **56**: 221–39.—**Tusini, G.** Le indicazioni crenoterapiche nelle affezioni chirurgiche. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 580–7.

—— Indication: Tuberculosis.

Mériel & Lasserre, J. Le traitement des tuberculoses ostéo-articulaires par les eaux chlorurées sodiques. Presse therm.

clim., 1948, **85**: 131–3.—**Shenk, A. K.** Kurortnce lećenic kostno-sustavnogo i železistogo tuberkuleza. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 410–47.

—— Indication, veterinary.

PIERROT, M. *Contribution à l'étude de l'action thérapeutique de quelques eaux minérales en médecine vétérinaire. 95p. 8° Lyon, 1934.

Brüning-Rostock, H. Brunnenkuren mit natürlichen Heilquellen bei Tieren. Deut. tierärztl. Wschr., 1941, **49**: 380.—**Lépinay, L.** Les eaux minérales en médicine humaine et en médecine vétérinaire. Rev. path. comp., Par., 1938, **38**: 1190–3.

—— Industry.

See also other subheadings.

STOCKHOLM, SWEDEN. APOTEKARNES MINERALVATTENS AKTIEBOLAG. Apotekarnes mineralvattens aktiebolag, 1875–1935. Minnesskrift. 179p. 24½cm. Stockh., 1935.

Dolifus, R. Electrifisation des gaz, des eaux minérales et de tous liquides; applications des méthodes de Nodon. C. rend. Ass. fr. avance. sc. (1911) 1912, **40**: 923.—**Rector, F. L.** Scientific methods of control in the mineral water industry. J. Bact., Balt., 1916, **1**: 102.

—— Inhalation of aerosol.

See also **Mineral vapor.**

MCCLELLAN, W. S., & ROGERS, M. Inhalation therapy using mineral waters and mineral oils. 21p. 23cm. Alb., 1946.

Forms No. 15. Pub. Saratoga Spa. Also: N. York State J. M., 1944, **44**: No. 11.

Bilancioni, G. Cure inalatorie con acque minerali in oto-rino-laringoiatria. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 316–61, illust.—**Della Cioppa, A.** La terapia inalatoria con le acque minerali per la cura e la profilassi delle malattie infantili nell'età nipiologica. Clin. term., Roma, 1948, **1**: 231.—**Justin-Besançon, L., & Debray, C.** Les aérosols en thérapeutique hydro-minérale en climatologie. Presse therm. clim., 1948, **85**: 1–9.—**Mancioli, M.** Aerosolterapia e crenoterapia inalatoria. Clin. term., Roma, 1948, **1**: 225.—**Muszkat.** Inhalationstherapie. Zschr. wiss. Bäderk., 1927–28, **2**: 337–42.—**Turtur, G.** Terapia inalatoria con particolare riguardo alle inalazioni con le acque minerali nella oto-rino-laringoiatria. Boll. mal. orecchio, 1941, **59**: 256–71.

—— Laws and regulations.

ESTIVAL, J. Les eaux minérals; leur captage, leur législation. p.409–60. 24cm. Montpel., 1932.

In: Montpellier méd., 1932, **1**:

NIBOYET, E. H. *Etude sur la législation des eaux minérales naturelles et artificielles, à l'exception des questions fiscales. 206p. 24cm. Marseille, 1939.

Bauer. Le cure termali nel quadro della legislazione sociale tedesca. Difesa sociale, 1942, **21**: 493–7.—**Beslier, M.** Législation concernant les eaux minérales, la saccharine, l'alcool, etc. In his Contr. ét. pharm. Espagne, Villefranche, 1938, 47.—**Corrêa Netto, O.** Comentários sobre o código de águas minerais em vigor. Brasil méd., 1947, **61**: 349–52.—**Danjou.** De la modification à apporter à la rédaction de l'article 15 du titre 11 du décret du 28 janvier 1860 concernant l'usage des eaux minérales à la condition de propriété de ces eaux. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 267–9.—**Eaux** minérales et boissons. In: Contr. ét. pharm. Espagne (Beslier, M.) Villefranche, 1938, 141.—**France.** Arrêté ministériel du 14 octobre 1937, relatif aux analyses des sources d'eaux minérales. Bull. Off. internat. hyg. pub., Par., 1938, **30**: 1404–8.—**Molinery & Germès.** Au sujet des modifications à apporter à l'article 64. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 257.—**Nova** codificação de leis sobre aguas minerais. Impr. med., Rio, 1941, **17**: No. 331, 147–9.—**Radais.** Sur des demandes d'autorisation de débit de divers médicaments dans les conditions prévues par la loi du 14 juin 1934. Bull. Acad. méd., Par., 1936, 3. ser., **116**: 304–7.—**Rimattei, F., & Niboyet, E.** Sur quelques points de la législation des eaux minérales. Ann. Inst. hydr., Par., 1942, **14**: 233–5.—**Vote** du rapport de M. Le Noir sur les renseignements à fournir par les stations climatiques en vue de leur classement en stations de cure pour tuberculeux ou en stations de villégiature; loi du 28 août 1936. Bull. Acad. méd., Par., 1939, 3. ser., **121**: 859.—**Werder, J., & Nussberger, G.** Die Mineralquellen in der schweizerischen Lebensmittelgesetzgebung. In: Mineral etc. Quellen Schweiz (Schweiz. Ver. analyt. Chem.) Bern, 1937, 3–8.

—— Licensing.

See also subheading (Control)

Aguas minerales naturales, artificiales, potables, gasificadas y jarabeadas; reglamentación para su concesión y explotación In: Prontuario legisl. san. Perú, Lima, 1937, **3**: 521–32.—**Hanriot, Pouchet** [et al.] Sur un projet de réglementation des eaux minérales, examiné par la Commission permanente des eaux minérales. Bull. Acad. méd., Par., 1929, 3. ser., **101**: 150–63.—**Le Noir.** Sur une demande d'autorisation d'usage médical d'une source d'eau minérale. Ibid., 1939, 3. ser., **121**: 269–71.—**Registro** obbligatorio per la direzione tecnica degli stabilimenti idrominerali. Ann. igiene, 1942, **52**: 99.

—— Magnesium content.

Cailletet, C. Dei sali magnesiaci e calcari nelle acque naturali. Gior. farm. chim., Tor., 1868, **17**: 353–64.—**Cailleux, R., & Cailleux-Balme, M.** Action pharmacodynamique des eaux chlorurées magnésiennes. Gaz. méd. France, 1948, **55**: 287–9.—**Leskovar, R.** Ueber die galletreibende Wirkung natürlicher magnesiumhaltiger Mineralwässer. Balneologe, 1939, **6**: 112–20.

—— Manual.

See also **Balneology; Hydrology.**

BENITO LANDA, T. DE. Climatología e hidrología médicas. 2v. 448p.; 496p. 22½cm. Madr., 1942.

CHASSEVANT, A. Hydrologie élémentaire à l'usage des médecins. 208p. 18cm. Par., 1912.

DUHOT, E. Les eaux minérales et l'organisme humain. 127p. 17½cm. Par., 1946.

GARCÍA AYUSO, J. DE D. Complementos de hidrología médica; nociones de química fisiológica, metabolismos y procesos metabólicos, acciones biológicas de las aguas. 168p. 22cm. Madr., 1944.

GROSSDEUTSCHLANDS HEILBAEDER, Seebäder, Kurorte und Versandheilwässer. 12. Aufl. 403p. 21cm. Berl., 1939.

GUIDI, G. Le acque minerali. 291p. 25cm. Pisa, 1938.

JAMES, C., & AUD'HOUI, V. Guide pratique aux eaux minérales, aux bains de mer et aux stations hivernales; augmenté d'un traité d'hydrothérapie. 13. éd. 680p. 19cm. Par., 1889 [?]

KRONE, F. Die Heilanzeigen der deutschen Bäder und Kurorte. 86p. 8° Lpz., 1936.

LENGYEL, D. Heilquellen und Bäder Ungarns, Siebenbürgens, Croatiens sammt Slavonien, der serbischen Wojwodschaft, des Temeser Banats und der Militärgränzländer in medicinischstatistischer Hinsicht. 336p. 18cm. Pest, 1854.

ОСНОВЫ КУРОРТОЛОГИИ. 3v. 23cm. Moskva, 1932–36.

PADULA, F. Le acque minerali. 58p. 24cm. Sassari, 1941.

TRAMBUSTI, A. Trattato di crenoterapia. 654p. 23cm. Milano, 1927.

—— Medical specialists.

Françon. Rapport sur le classement des hydrologues à titre de spécialistes compétents et sur les garanties scientifiques qu'ils devront offrir. Presse therm. clim., 1948, **85**: 108.—**Krone, F.** Die Tätigkeit des deutschen Arztes in Bädern und Kurorten. Med. Welt, 1936, **10**: 585.—**Liste** des médecins exerçant dans les stations hydrominérales. Annuaire stat. hydromin. &c. France, 1948, **69**: 9–23.—**Listes** des médecins exerçant dans les principales stations climatiques et marines. Ibid., 25–34.

—— Metabolic effect.

See also other subheadings (Digestive effect; Diuretic effect)

BRISSON, M. *Effets de quelques eaux minérales sur la tendance à la précipitation du cholestérol sanguin [Montpellier] 61p. 25½cm. Bourg, 1938.

MARCHAND, J. *Contribution à l'étude physiologique des eaux minérales; eaux minérales

et métabolismes [Pharm.; Strasbourg] 123p. 24cm. Clermont-Ferrand, 1944.

MATHON, G. *Action des eaux minérales et de la dépression atmosphérique sur la teneur du sang et des organes en glutathion réduit [Lyon] 108p. 8° Bourg, 1935.

Armijo Valenzuela, M. de. Demostración experimental del diferente comportamiento de las aguas mineromedicinales, naturales y preparadas artificialmente, sobre la curva ponderal. Farmacoter. actual, Madr., 1945, **2:** 45–7.—**Arnoldi, W.** Blutzucker- und Blutkochsalzgehalt vor und nach dem Trinken alkalisch-sulfatischer Mineralquellen. Zschr. wiss. Bäderk., 1926–27, **1:** 714–22.—**Bravo, E. F.** La obesidad y el tratamiento hidromineral. Rev. méd. Chile, 1934, **62:** 473–85.—**Chaskin, L.** Experimentelle Untersuchungen über den Einfluss der Trinkkur mit dem frischen Stahlquellenwasser von Zagweri auf den Stoffwechsel des Menschen mit besonderer Berücksichtigung der Lage des Oxydationsquotienten des Harns. Zschr. ges. exp. Med., 1929, **65:** 153–62.—**Dodel, P., & Dastugue, G.** Recherches sur les variations du métabolisme basal du lapin après injections intraveineuses d'eaux minérales. Presse therm. clim., 1936, **77:** 665–9.—**Duhot, E., & Cuvelier, L.** Action de certaines eaux minérales sur l'épreuve d'hyperglycémie provoquée expérimentale. Bull. Acad. méd., Par., 1934, 3. ser., **112:** 96–102. Also Presse therm. clim., 1934, **75:** 483–5. ——— Action des eaux minérales sur la glycémie et l'indosé plasmatique du lapin, au cours d'épreuves d'hyperglycémie provoquées. C. rend. Soc. biol., 1934, **116:** 191–4. ——— Métabolisme glucidique et eaux minérales. Echo méd. nord., 1935, 3. ser., **3:** 827–32. Also Synthèse, Par., 1935, **3:** No. 3, 18–21, 2 ch.—**Duhot, E., & Fontan, M.** Des effets de l'injection intra-veincuse d'eau sulfurée chlorurée-sodique sur le métabolisme glucidique normal. Gaz. méd. France, 1947, **54:** 269–71.—**Farneti, P.** Le cure idrominerali nelle magrezze e nelle adiposità patologiche. Lav. Ist. clin. med. Bologna, 1939–40, No. 30, 1–7.—**Grafe, E.** Mineralwassertrinkkuren und ihre Einwirkungen auf den Stoffumsatz, insbesondere den Wasser- und Mineralhaushalt. Balneologe, 1937, **4:** 276–85.—**Harpuder, K.** Salzwirkungen, Salzstoffwechsel und Wirkung der Mineralquellen. Klin. Wschr., 1927, **6:** 481–3.—**Haug, H.** Mineralwassertrinkkuren und Stoffwechsel. Balneologe, 1936, **3:** 402–6.—**Hesse, E., & Franke, H.** Natürliche Heilquellen und ihre glykogenspeichernde Wirkung. Klin. Wschr., 1935, **14:** 1646–8.—**Justin-Besançon, L.** Cholestérolémie et cures thermales. Synthèse, Par., 1935, **3:** No. 3, 25–7.—**Kubota, T.** Kalzium-taisya ni oyobosu onsen no eikyō [Der Einfluss der Mineralwässer auf die Kalziumstoffwechsel] Igaku kenkyū, 1943, **17:** 1939–77.—**McLester, J. S.** Mineral waters. In his Nutr. & Diet, 4. ed., Phila., 1943, 235.—**Moura Campos, F. A. de.** Acção de algumas aguas mineraes sobre o metabolismo das glucides. Ann. Fac. med. S. Paulo, 1934, **10:** 121–7.—**Mouriquand, G., Michel, P., & Milhaud, M.** Action de quelques eaux minérales sur la nutrition du cobaye soumis à des régimes normaux ou carencés. C. rend. Soc. biol., 1924, **91:** 210–2. ——— Action des eaux minérales sur la nutrition; crises et réactions thermales (recherches cliniques et expérimentales) Ann. méd., Par., 1926, **19:** 370–8.—**Pancrazio, F., & Mazzoni, E.** Sul metabolismo basale secondo la formula II^a di Read nell'applicazione delle cure termali. Gazz. osp., 1936, **57:** 233–5.—**Pendl.** Stoffwechsel bei Trinkkuren. Balneologe, 1935, **2:** 241–4.—**Pfannenstiel, W.** Die Beeinflussung der Widerstandskraft (Resistenz) und des Blutchemismus durch Mineralwasserzufuhr. Ibid., 1–4.—**Piéry, M., Enselme, J., & Petel, S.** Recherches au sujet de l'influence des eaux minérales sur la respiration tissulaire; rôle des ions Ca^{++}, Mg^{++} et Na^{+}. C. rend. Acad. sc., 1938, **206:** 129–31.—**Puech, A., & Monnier, P.** La glycolyse; effets des eaux minérales. Montpellier méd., 1943, **23:**–**24:** 105–11.—**Wienskowski, E.** Tierexperimentelle Untersuchungen über die blutzuckersenkende Wirkung einer Reihe von natürlichen Mineralwässern und deren Nachahmungen (künstlicher Salzgemische) Balneologe, 1939, **6:** 262–71.

—— Mode of action.

See also subheading (Pharmacology)

TRAMBUSTI, A. Il meccanismo d'azione delle acque minerali per uso di bagni, fanghi, stufe ed inalazioni. p.177–233. 22½cm. Milano, 1927. In his Tratt. crenoter.

Alexandrov, V. A. Mekhanizm i sušénost dejstvija estestvennykh lečebnykh vod na organizm. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **2:** 13–9. Also Presse therm. clim., 1935, **75:** 105–8.—**Almeida, C. d'.** Comment envisager la cure hydro-minérale des déséquilibres humoraux qui joignent à leurs manifestations pulmonaires et eutanées une intolérance digestive. Ibid., 1947, **84:** 209.—**Benezár, G.** [Mineral waters and health resorts as complex therapeutic measures] Orv. hetil., 1935, **79:** 1309; 1372.—**Billard, G., Mougeot, A., & Aubertot, V.** Le pouvoir agocytique des eaux minéralcs sur les algues mono-cellulaires à chlorophylle. Bull. Acad. méd., Par., 1929, 3. ser., **101:** 613–7.—**Chiray, M., Justin-Besançon, L., & Dubost, M.** Vitamines et action anagocytique des eaux minérales. Ibid., 1943, **127:** 427.—**Facteurs** (Les) thérapeutiques des eaux de spa. Sealpel, Brux., 1935, **88:** Spec. No., 194–7.—**Feuillié, E.** Recherches sur le mode d'action des cures hydro-minérales. Bull. Acad. méd., Par., 1927, 3. ser., **97:** 211–16.—**González Deleito, F.** Los factores que intervienen en la cura hidromineral. Siglo méd., 1935, **95:** 642–49.—**Justin-Besançon, L.** Les explications physico-chimiques de l'activité des eaux minérales. Médecine, Par., 1934, **15:** 566–78.—**Kopf, H.** Ueber Hormon- und Mineralwasserwirkung. Arch. Bal. med. Klim., 1925–26, **1:** 319–24.—**Koskowski, W.** [Histamin and its significance in medical hydrology] Polska gaz. lek., 1937, **16:** 389.—**Kučera, V.** [Effect of diet on the action of mineral waters] Cas. lék. česk., 1937, **76:** 531–3.—**La Vega, J. de.** La influencia de la psicofísica del ambiente y su papel en la cura hidromineral. Med. españ., 1946, **15:** No. 88, Varia, p. xiv.—**Lozinsky, A. A.** Vlijanie na organizm vody, gazov i tverdykh sostavnykh častej mineralnykh vod. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **1:** 233–59.—**Marfori, P.** Meccanismo d'azione delle acque minerali per uso idropinico. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 163–76.—**Mayer, P.** Recent researches on the action of medicinal waters. Arch. M. Hydr., Lond., 1934, **12:** 243–6.—**Mello e Souza, A. de.** O banho hydromineral; acção chimica. Ann. paul. med. cir., 1937, 363–70.—**Molinéry, R., & Molinéry, P.** Comment agissent les eaux minérales; hypothèses et réflexions. In their Luchon, Par., 1937, 45–66.—**Monod, G.** Immunity from a new point of view. Lancet, Lond., 1930, **1:** 227–30.—**Mougeot, A.** Quelques essais expérimentaux sur l'imbibition cellulaire par les eaux minérales. Paris méd., 1928, **67:** 351–9. ——— & **Aubertot, V.** Sur les pouvoirs agocytique et anagocytique des eaux minérales; leur mensuration à l'aide d'indices numériques. Presse méd., 1928, **36:** 500–2. ——— Les eaux minérales exercent un pouvoir sur la prolifération cellulaire, action agocytique ou anagocytique. Progr. méd., Par., 1929, **44:** 905–12.—**Perrin, M., & Mathieu, P.** La place de l'élément eau dans l'action des eaux minérales. Rapp. Congr. fr. méd. (1925) 1926, 18. sess., **2:** 488.—**Pierret, R.** Un mode nouveau d'étude du pouvoir protecteur des eaux minérales; action expérimentale de l'eau des sources Choussy-Perrière, Croizat, Fenestre de La Bourboule, et du sérum salé sur l'apparition du phénomène de Shwarzman, allergie cutanée hémorragipare. Ann. Inst. hydr., Par., 1940–41, **13:** 158–66, illust.—**Piraino, A.** Il problema del dinamismo delle acque minerali; forze polari ed aggregati molecolari nel fattore acqua. Riv. idroclim., 1942, **53:** 177; 1943, **54:** 12; 29. ——— Significato fisico generale. Clin. term., Roma, 1943, **3:** 107–17. ——— Paradigma di rappresentazione formale. Ibid., 118–36.—**Rosenburg, C.** A heliotherapia como factor da cura hydro-mineral. Fol. med., Rio, 1938, **19:** 206.—**Santamarina, V.** Teorias que explican el modo de acción de las aguas mineromedicinales. Rev. med. cir. Habana, 1937, **42:** 518–33.—**Scaramelli, G., & Riccioni, M.** Sul potere soppressivo specifico di alcune acque minerali. Boll. sc. Fac. chim. indust., Bologna, 1940, 94–8.—**Schober, P.** Das Geheimnis der Wildbäder. Deut. med. Wschr., 1936, **62:** 1338.—**Singer, W.** Allgemeines über die Wirkungsweise der Mineralwässer. Schweiz. med. Wschr., 1926, **56:** 177–9.—**Souci, S. W.** Eigenschaften und Wirkungen der Mineralwässer und Heilquellen. Münch. med. Wschr., 1935, **82:** 492–6.—**Souza Lopes, R.** Noções modernas sobre a acção das aguas mineraes. Impr. med., Rio, 1930, **6:** 587–9.—**Vendryès, P.** Crénothérapie et physieochimie. Centre méd., Moulins, 1946, **52:** Spec. No., 37–41. ——— Endocrinologie, régulations physiologiques et erénothérapie. Presse therm. clim., 1947, **84:** 107–11.—**Violle, P. L., & Dufourt, P.** Action d'un certain nombre d'eaux minérales et de solutions salines sur l'imbibition colloïdale. Bull. Acad. méd., Par., 1927, 3. ser., **97:** 487–90.—**Zörkendörfer, W., & Zörkendörfer, W.** Differenzierung der Wirkungen verschiedenartiger Mineralquellen. Zschr. ges. phys. Ther., 1930, **39:** 214–22.

—— Musculoskeletal effect.

CAMUS, J. *Techniques d'hydrologie expérimentale applicables à l'étude de l'action pharmacodynamique des eaux minérales sur les muscles lisses. 212p. 8° Par., 1931.

ROZENBERG, J. *Einwirkung der Mineralwässer auf den Quellungszustand der Gewebe (Versuche an Froschmuskulatur) [Basel] 23p. 8° Łódź, 1935.

Carreras, G. Azione di alcune acque minerali sull'intestino isolato di coniglio. Riv. idroclim., 1934, **45:** 558–60.—**Chiray, M., Justin-Besançon, L.** [et al.] Action antihistaminique des eaux minérales; antagonisme de l'histamine et des eaux de Chatelguyon et de Pougues sur l'intestin isolé du cobaye. Paris méd., 1939, **111:** 253–5.—**Dastugue, G., Dupuis, P., & Simon, E.** Influence de quelques eaux minérales sur la musculature énervée et non énervée de sangsue et sa sensibilité à l'acétylcholine. Presse therm. clim., 1948, **85:** 174.—**Giacobbi, A.** Ricerche sperimentali sull'azione di acque minerali di diversa costituzione chimica sulle fibro-cellule muscolari liscie. Arch. farm. sper., 1926, **41:** 272–84.—**Levina, R. L., & Fournier, M. E.** Note sur les échanges d'eau et de sels entre le tissu musculaire strié et divers milieux extérieurs. Ann. Inst. hydr., Par., 1948, **19:** 29–37.—**Messini, M.** Ueber den Nachweis einer besonderen Wirkung einiger Mineralwässer auf den isolierten Kaninchendarm. Balneologe, 1943, **10:** 43–6.—**Narciso, A.** Acção de algumas águas medicinais portuguesas sobre o intestino normal isolado do gato. Med. contemp.,

Lisb., 1930, **48**: 392.—**Strasser, A.** Balneo- und physikalische Therapie der chronischen Gelenkserkrankungen. Beitr. ärztl. Fortbild., 1927, **5**: 141.

—— National aspect.

Aldred-Brown, G. R. P. The spa as a national asset in the maintenance of physical fitness. Med. Rec., N. Y., 1938, **148**: 127.—**Bardet, G.** Pour l'après-guerre. Gaz. eaux, 1915–17, **58**: 8–11.—**Delmas.** La guerre thermale. Ibid., 234–7.—**Horder.** The spa as a national asset in the maintenance of physical fitness. J. R. Inst. Pub. Health, 1937–38, **1**: 274. ——— **Aldred-Brown, G. R. P., & Fenton, J.** The spa as a national asset in the maintenance of physical fitness. Med. Press & Circ., Lond., 1937, **195**: 519–23.—**Rodríguez M., O.** Las aguas minerales y los climas frente a la vida actual y su importancia en la vida sanitaria y económica del país. Rev. As. chilena quim. farm., 1934–35, **2**: No. 21, 11–4.

—— Neuropsychiatric effect.

Farneti, P. Orientamenti crenologici nella terapia delle nevralgie. Prepar. mat., Salsomaggiore, 1942, **3**: 165–71.—**Seki, M.** Onsen nyūyoku ga Maus no hika-sinkei no mawari no ketugō-sosiki-saihō ni oyobosu eikyō [Einflüsse der Mineralbäder auf die Bindegewebszellen um die subkutanen Nerven der Maus] Psychiat. neur. jap., 1942, **46**: 747–53, pl.—**Vila López, A.** Fisiopatología y crenoterapia neurovegetativa. Med. españ., 1947, **10**: 17–29.

—— Nomenclature.

Fabre, R. Sur une demande de changement de dénomination de sources. Bull. Acad. méd., Par., 1944, **128**: 292.—**Schoofs, M.** Concernant la dénomination des eaux de boisson. Bull. Acad. méd. Belgique, 1935, 5. ser., **15**: 598–603.

—— Nutritive value.

Pech, J. L. L'indice de nutrition des eaux minérales. Atti Congr. internaz. elettroradiob., 1934, **2**: 1293–5.—**Rimattei, F.** Action des oxydants et des réducteurs sur l'indice de nutrition des eaux minérales. Bull. Acad. méd., Par., 1944, **128**: 17–20. ——— Indice de nutrition et indice de nutrition simplifié des eaux minérales. Presse therm. clim., 1947, **84**: 243; passim.—**Soós, A.** [Importance of mineral water in dietetics] Orv. hetil., 1929, **73**: 447–9.

—— Organic components.

Bragagnolo, G. Les substances organiques dans les eaux minérales et les boues. Bull. Soc. chim. biol., Par., 1949, **31**: 543–5.—**Skopincev, B. A.** [Mineralization of nitrogen and phosphorus of organic substances of fresh waters] Microbiology, Moskva, 1941, **10**: 222–32.

—— Origin.

See also subheading (Geology)

Baumer, J. G. Sur l'origine des fontaines en général, et sur celles des eaux minérales en particulier. Observations (Rozier) Par., 1773, **1**: pt 2, 177–84.—**Blum, P.** La genèse des eaux thermales et minérales. Strasbourg med., 1931, **91**: 877–85.—**Comba, A.** Origen de los manantiales mineromedicinales y aguas termales. Casa del médico, 1946, 2. época, No. 61, 27.—**Haupt.** Zur Theorie der Entstehung von Mineralquellen und Steinsalzlagern. Pharm. Zhalle, 1903, **44**: 561–3.—**Origine** (De l') des eaux thermominérales. Schweiz. Drogist. Ztg. 1947, **47**: 533.—**Plot, R.** De origine fontium [Bk Rev.] Philos. Tr., Lond., 1685, **15**: 862–5.—**Siebelt.** Zur Entstehungsgeschichte der Mineralquellen. Zschr. wiss. Bäderk., 1929–30, **4**: 1123–7.—**Vinaj, V. S.** Sull'origine delle acque naturali e minerali. Idr. clim., 1916, **25**: 290–5.—**Woodmansey, A.** The source of natural mineral waters. J. State M., Lond., 1935, **43**: 467–72.

—— Pharmacology.

See also other subheadings.

Baudisch, O. Magic and science of natural healing waters. 19p. 23cm. N. Y., 1940.
Forms No. 10, Pub. Saratoga Spa. Also: J. Chem. Educ., 1939, **16**: 440–8.

Imayosi, T. Insen no seitai-nai sanka ni oyobosu eikyō ni kan-suru zikken-teki kenkyū [Experimentelle Untersuchung über die Trinkkuren im Hinblick auf die Oxydation im lebenden Organismus] p.1169–275. 26cm. Hukuoka, 1941.
In: Igaku kenkyū, 1941, **15**:

Skobel, F. K. O wodach lekarskich robionych w porównaniu z rodzinemi. p.231–84. 8° Kraków, 1844.
Rocz. Wydz. lek., Kraków, 1844, **7**: pt 2.

Belák, S. Az ásványvizek hatásának megítélése a chemiai analysis alapján. Orvosok lap., 1947, **3**: 363–5.—**Buinewitsch, K.** Ueber die Heilwirkung der Mineralwässer. Ther. Gegenwart, 1939, **80**: 385–8.—**Dastugue, G., & Simon, E.** Eaux minérales et anesthésiques. Presse therm. clim., 1948, **85**: 232.—**Feldman, L. V.** Leĉenie kurortnymi i fizioterapevtiĉeskimi faktorami. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **2**: 299–327.—**Feuillié, E.** Considérations sur la polyvalence thérapeutique et les affinités électives des eaux minérales. Bull. Acad. méd., Par., 1927, 3. ser., **97**: 320–5. ——— Sur le mode d'action, la polyvalence thérapeutique et les affinités électives des eaux minérales. Bull. gén. thér., 1927, **178**: 160–75.—**Godonnèche, J.** Polyvalence, électivité, en crénothérapie. J. prat., Par., 1949, **63**: 40; 52.—**Janot, M. M., & Toraude, L. G.** Les eaux minérales. In their Notions prat. pharm., 3. éd., Par., 1941, 88–94.—**La Bessède, E. A.** Les eaux médicinales naturelles; leurs vertus salutaires. Strasbourg méd., 1933, **93**: 153–80.—**McClellan, W. S.** Nature of natural therapeutic agents used at health resorts; mineral waters. J. Am. M. Ass., 1944, **124**: 426–33.—**Narciso, A.** Determinação das propriedades terapêuticas das águas minerais. Clín. hig. & hidr., Lisb., 1940, **6**: 161.—**Rindl, M.** Some chemical and physical factors which affect the therapeutic value of medicinal waters. Leech, Johannesb., 1937, **8**: 29–31.—**Rodríguez Molina, O.** De las aguas minerales o minerales medicinales naturales o minero-medicinales y de las aguas no minerales naturales. Rev. quím. farm., Santiago, 1945–46, **3**: No. 37, 8–20.—**Rosenburg, C.** Propriedades therapeuticas das aguas mineraes. Fol. med., Rio, 1938, **19**: 75. ——— As aguas mineraes e as suas propriedades terapeuticas. Gaz. clin., S. Paulo, 1938, **36**: 105–8.—**Ulsamer, O.** Das wirksame Prinzip in den natürlichen Mineralwässern und ihren Ersatzprodukten. Balneologe, 1935, **2**: 215–8.

—— phosphated.

Velu, H., & Zottner, G. Lesions hépatiques de la fluorose et de l'intoxication par les eaux phosphatées. C. rend. Soc. biol., 1932, **109**: 354.

—— Physical properties.

See also subheadings (Properties)

Blanquet, L. Analyse physique moderne d'une eau minérale. J. méd. fr., 1932, **21**: 94–100.—**Casciani, P.** Nuove ricerche crioscopiche sulle acque minerali. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 231–8.—**Chatterjee, S. N.** Physical properties of natural mineral waters. Ind. M. Rec., 1942, **62**: 133.—**Mager, H.** Les eaux de la lithosphère, de la pyrosphère et de la barysphère. Presse therm. clim., 1939, **80**: 519.—**Poirot-Delpech, J.** Reflexions sur la tension osmotique des eaux minérales et les indications posologiques que cette notion entraîne. Ibid., 1920, **61**: 263.—**Rondoni, P.** Colorazioni vitali ed acque minerali. Riv. idroclim., 1933, **44**: 433–43.

—— Propaganda.

Benito Landa, T. de. Métodos de propaganda de la aguas medicinales; legislación. In his Climatología, Madr., 1942, **2**: 484–9.—**Pierret, R.** Simples réflexions à propos de la propagande en faveur des stations thermales et climatiques à l'étranger. Presse therm. clim., 1936, **77**: 97–100.—**Propagande** allemande contre nos stations de cure. Biol. méd., Par., 1924, **14**: 265; 1925, **15**: 43.

—— Properties.

See also subheadings (Chemical properties; Physical properties)

Bordas, F. Les constantes physiques et chimiques des eaux minerales. Ann. falsif., Par., 1914, **7**: 387–407.—**Grollet, L.** Les propriétés particulières de l'eau minérale naturelle vivante. Rev. path. comp., Par., 1949, **49**: 648–50.—**Karstens, E. E.** Fizika i khimia mineralnykh vod. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **1**: 110–33.—**Lewis, S. J.** The properties and classification of medicinal waters. Prescriber, Edinb., 1931, **25**: 87–90, 2pl.

—— Protection.

See also subheading (Spring: Sanitary protection)

Cazaneuve, P., & Hugouenenq, L. Pour la sauvegarde de nos richesses hydrominérales naturelles. Lyon méd., 1933, **152**: 293–7.

—— Radioactive.

See also subheading (Radon content)

Bibliography on radioactive springs (1914–32) 2 l. (mimeo) 4° S. Kensington, 1932.
Forms No. 53, Science Libr. Bibliogr. Ser.

Cignolini, P. Trattato sulle acque radioattive. 200p. 25cm. Genova, 1939.

Euzière, J. G., & Castagné, R. Actions radioactives exercées par les eaux minérales et leurs dérivés. p.965–1026. 24cm. Par., 1937.
Rev. rhumat., Par., 1937, **4**:

Armstrong, W. Treatment by radio-active waters. Prescriber, Edinb., 1925, **19**: 96–9.—**Aschoff, K.** Was versteht

man unter einem Radiumbad? Zschr. Kurortwiss., 1932–33, 2: 328–30.—**Athanassoulas, G.** La quantité de la radioactivité est un des facteurs principaux du pouvoir antianaphylactique des eaux minérales. Presse therm. clim., 1934, 75: 201.—**Bardet, G.** Modifications apportées dans les propriétés thérapeutiques des eaux minérales par la radioactivité. Rapp. Congr. internat. physiothér., 1910, 3. Congr., 337–44.—**Bernard, F.** De l'état actuel de nos connaissances sur les phénomènes attributables à l'action radiothérapique des eaux minérales. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 194–209.—**Brancoli-Busdraghi, N.** Soluzioni salso-jodiche radioattive. Atti Congr. ital. radiol. (1913) 1914, 1: 222.—**Burkser, E. S.** Radioaktivnost mineralnykh vod i lećebnykh grjazej. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, 1: 168–94.—**Cignolini, P.** Metodi di impiego terapeutico delle acque minerali radioattive. Minerva med., Tor., 1948, 39: pt 2, 209–11. ——— L'impiego terapeutico delle acque minerali radioattive. Radiol. med., Tor., 1948, 34: 638.—**Convegno** di studi sulla radioattività idroclimatica, Merano, 1–2 e 3 maggio 1948. Arch. radiol., Nap., 1948, 22: 375–9. Also Radiol. med., Tor., 1948, 34: 636–9.—**Corrêa Netto, O.** As curas hidrominerais e a ràdioatividade das águas. Brasil méd., 1946, 60: 163–5.—**Creyx, M., Cazaux, P., & Rigal, J.** Un facteur déterminant du pouvoir anagotoxique, la radioactivité. Presse therm. clim., 1949, 86: 150.—**Crispolti, C. A.** Intorno alla importanza terapeutica della radioattività nelle acque minerali naturali (studio clinico-terapeutico) Med. prat., Nap., 1930, 15: 161–75.—**Daissky, A.** Die Wirkung radioaktiver Wässer auf bestimmte Bestandteile des Harnes. Balneologe, 1943, 10: 99–104.—**Delaye, L.** La radioactivité des eaux minérales. J. pharm. Belgique, 1930, 12: 847.—**Duchon, R.** Recherche et dosage des radio-éléments de la famille du thorium dans les eaux minérales. Presse therm. clim., 1939, 80: 86–91. ——— Proportions élevées de mésothorium 1 dans les eaux minérales de Châtel-Guyon, Puy-de-Dôme, et de radium dans l'eau du sondage des Martres d'Artières, Puy-de-Dôme. C. rend. Acad. sc., 1940, 210: 225–8.—**Enders, W.** Neuartiges Radiumtrinkgefäss mit hochgradiger Einschränkung des üblichen Emanationsverlustes. Balneologe, 1937, 4: 335–8.—**Fabre, G.** Calcul et conservation indéfinie de la radioactivité des eaux minérales. C. rend. Ass. fr. avance. sc. (1908) 1909, 37: 851–4.—**Falta, W.** Die Wirkung der radioaktiven Heilquellen. Wien. med. Wschr., 1930, 80: 165–7.—**Fleig, C.** Action d'eaux minérales et de sérums artificiels radioactifs sur la survie d'organes ou d'éléments cellulaires isolés du corps (muscles lisses et striés, globules rouges, spermatozoïdes) C. rend. Acad. sc., 1909, 149: 691–3.—**Freund, E.** Die klinische Bedeutung der Radioaktivität der Heilbäder. Zschr. Kurortwiss., 1932–33, 2: 295–300. ——— **& Loebel, R.** Untersuchungen zur Wirkung der Radiumemanation; Nachweis der Radiumemanation im Liquor cerebrospinalis. Zschr. ges. phys. Ther., 1930, 39: 109–12.—**Herculano de Carvalho.** Présence de l'uranium dans les eaux minérales: rapport de cet élément avec le radium. Presse therm. clim., 1931, 72: 5.—**Humphris, F. H.** Notes sur l'eau de radium. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 353–5.—**Ide, M.** Eaux radioactives. Rev. méd., Louvain, 1929, 331.—**Jaloustre, L.** La stabilisation de la radioactivité des eaux minérales. Vie méd., 1925, 6: 474.—**Katō, H.** Radium oyobi kore wo gan-yū-suru kōsen no iryō-teki ōyō [The use in medical treatment of radium and the mineral springs containing it] Tōhoku igakkai kaihō, 1911, No. 61, 68–76.—**Katona, V.** [Drinking of radioactive mineral waters] Budapesti orv. ujs. 1938, 36: 542–4.—**Lachmann, S.** Die Radioaktivität der natürlichen Heilquellen. Zschr. Kurortwiss., 1932–33, 2: 291–5.—**Mager, H.** Au sujet des propriétés de vitalisation des corps radio-actifs et des eaux radio-actives. Presse therm. clim., 1935, 76: 285.—**Markl, J.** [Theoretical bases of emanotherapy; drinking cure] Sborn. lék., 1930, 32: 73–84.—**Michailescu, C.** Efectele apelor minerale radioactive asupra organismului. Mişc. med. român., 1937, 10: 374.—**Milhaud, M.** Pharmacodynamie des eaux minérales radioactives. Gaz. méd. France, 1948, 55: 273–6.—**Morinaga, K.** Hōsya-nō-sen no in-yō ni tuite [Use of radioactive spring-water for drinking] Nippon naika gakkai zassi, 1947–48, 36: 24. Also Nippon naika rinsyō sensyū, 1948, 2: 280.—**Moureu, C.** Recherche sur la radio-activité et les gaz rares des sources thermales. C. rend. Ass. fr. avance. sc., 1907, 36: 334.—**Muchemblé, G.** Sur la teneur élevée en radioéléments de certaines roches sédimentaires et l'origine de la forte radioactivité de certaines eaux thermales. Ann. Inst. Pasteur Lille, 1948, 1: 201–8.—**Ohsima, Y.** Hōsya-nō sen in-yō no igaku [The drinking of the waters of radiant springs from the standpoint of medicine] Tōkyō izi sinsi, 1949, 66: 437.—**Pappas.** Résultats thérapeutiques obtenus par l'emploi des gaz radio-actifs naturels. Montpellier méd., 1917, 39: 779–88.—**Piéry, A. M., & Milhaud, M.** Les indications des eaux minérales radioactives. Marseille méd., 1928, 65: 566–72.—**Piraino, A., & Caruso, A.** Azione di un'acqua radioattiva sugli anticorpi gruppo-specifici. Riv. idroclim., 1941, 52: 257–63.—**Porlezza, C.** La radioattività delle acque minerali. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 143–62, tab.—**Radio-active** thermal waters. Brit. M. J., 1937, 1: 464.—**Rajewsky, B.** Balneologische Forschung an radium-balneologischen Beispielen erläutert. Balneologe, 1942, 9: 221.—**Regulation** of radioactive waters [Germany] J. Am. M. Ass., 1939, 112: 1274.—**Sabatowski, A.** [Radiotherapy with mineral waters] Polska gaz. lek., 1931, 10: 769–72.—**Salomon-Calvi, W.** Ueber die Entstehung der Radioaktivität von Quellen. Zschr. Kurortwiss., 1932–33, 2: 276–80.—**San Román.** Importancia de la radiactividad en la cura balnearia. Práct. méd., Madr., 1948, 6: No. 62, 24–6.—**Shchepotieva, E. S.** On the conditions under which natural waters become enriched with radium and its isotopes. C. rend. Acad. sc. URSS, 1944, 43: 306–9.—**Souza Lopes, R.** Ação terapêutica das aguas radioativas. Vida méd., Rio, 1941, 9: No. 4, 11–5.—**Stoklasa.** Vergiftung mit radioaktivem Wasser ausgeschlossen. Deut. Aerzte Ztg, 1932, 7: No. 329.—**Studienkongress** über die hydroklimatische Radioaktivität. Zschr. phys. Ther., Wien, 1949, 2: 47–9.—**Tauzin, J.** Les eaux hyperthermales radioactives et oligométalliques en gynécologie. Sem. hôp. Paris, 1935, 11: 341–5.—**Tománek, F.** Ueber die Biologie der Radiumquellen. Zschr. Kurortwiss., 1932–33, 2: 284–91.—**Trelles, F. de A.** La radioactividad de las aguas y su aplicación terapéutica. Arch. Inst. nac. hidr. clim. méd., Habana, 1949, 3: 114–22.—**Truelle, E.** Les sources hyperthermales radioactives et leurs rapports avec le volcanisme. Bruxelles méd., 1926–27, 7: 1227.—**Tschelnitz, H.** Agua viva. An. paul. med. cir., 1942, 43: 199–205.—**Urbain, P., Lepierre, C.** [et al.] Radioactividade das águas minerais. Clín. hig. & hidr., Lisb., 1945, 11: 160–3.—**Use** of radioactive thermal waters [England] J. Am. M. Ass., 1937, 109: 368.—**Vignes, H.** Quelques réflexions sur l'emploi des eaux thermales radioactives et des produits radioactivés en thérapeutique gynécologique. Presse méd., 1936, 44: 219.—**Wollmann, E.** Natürliche und künstliche Radiumwässer. Balneologe, 1939, 6: 385–91.—**Yokoyama, Y.** Kyō-hōsya-nō-sen titai no kōri no hōsya-nō [Radioactivity of the frozen mineral water in the strongly radioactive springs] Nippon kagaku zassi, 1949, 70: 141.

—— Radioactive: Measurement of activity.

Engler, C., & Sieveking, H. Nouvel appareil pour la détermination de la radioactivité des sources thermales. C. rend. Congr. internat. radiol. ionis. (1905) 1906, 1. Congr., Sect. phys., French pt, 201–8.—**Examen** d'échantillons d'eau. C. rend. Congr. internat. radiotellur., 1932, 1. Congr., 232.—**Fresenius, L.** Ueber die Bestimmung der Radioaktivität der Mineralwässer. Zschr. Kurortwiss., 1932–33, 2: 281–4.—**Geslin.** Sur une cause de variation des résultats dans la mesure de la radioactivité des eaux thermales accompagnées de gaz spontanés. Ann. Inst. hydr., Par., 1938–39, 12: 142–51.—**Kosmath, W.** Ein Verfahren zur Messung des Radongehaltes von Quellen und anderen natürlichen Gewässern. Arch. Hyg., Münch., 1935, 114: 75–81.—**Lenkei, W. D.** Beitrag zur Methode der Bestimmung des Radium- bzw. Radiumemanationsgehaltes in Gewicht bzw. Volummass; Gehalt des Balaton-Seewassers und des Seegrundes an radioaktiven Substanzen. Zschr. phys. diät. Ther., 1910, 14: 193; 268.—**Ludewig, P.** Die Freiberger Beschlüsse zur Vereinheitlichung der Messweise radioaktiver Quellen. Strahlentherapie, 1921–22, 13: 163–73.—**Müller, W.** Die Bestimmung der Radioaktivität im Wasser. Mitt. Lebensmitteluntersuch., Bern, 1923, 14: 315–28.—**Trelles, F. de A.** Unidad de expresión de la radioactividad de las aguas. Rev. farm. Cuba, 1948, 26: No. 12. 10–8.—**Wollmann, E.** Mache-Einheit oder Millimikrocurie? Balneologe, 1937, 4: 196–200.

—— Radon content.

Alquier, A. L'émanothérapie et la verre intégral. Médecine, Par., 1923–24, 5: 718.—**Ameely, L.** Radium-Emanation und Geotektonik. Balneologe, 1938, 5: 508–12.—**Blanquet, Mougeot, A., & Aubertot, V.** Sort de l'émanation dans l'organisme. Bull. Acad. méd., 1935, 3. ser., 114: 166–8.—**Blumer, L.** Ueber Emanations-Gewinnung aus dem Sediment von radioaktiven Heilquellen. Schweiz. med. Wschr., 1926, 56: 37.—**Boner.** Sur les propriétés biologiques de l'émanation des corps radio-actifs. J. radiol. électr., 1934, 18: 89.—**Grabianka, S.** [Emanotherapy in mineral springs and sanatoriums] Polska gaz. lek., 1937, 16: 784–7.—**Liaci, L.** Ricerche sperimentali farmacodinamiche e terapeutiche con l'acqua radioattivata. Biochim. ter. sper., 1938, 25: 213–26.—**McClellan, W. S., & Comstock, C. R.,** jr. The cutaneous absorption of radon from naturally carbonated mineral water and plain water baths. Arch. Phys. M., 1949, 30: 29–36.—**Markl, J.** Zu den theoretischen Grundlagen der Emanationstrinkkur. Mschr. ungar. Med., 1930, 4: 45–9.—**Ohsima, Y.** Hōsya-nō-sen to syokkin sayō [Hotsprings with radium emanations and effect on phagocytic action] Igaku & seibutugaku, 1947, 10: 42–4.—**Petrák, F.** Výzkum vztahů radiové emanace k minerálnín vodám alkalicko-muriatickým. Cas. lék. česk., 1942, 81: 453.—**Piéry, A. M., & Milhaud, M.** Toxicité des substances radio-actives introduites dans l'organisme; innocuité de l'emanothérapie hydrominérale. Presse therm. clim., 1937, 78: 417–22. Also Rev. rhumat., Par., 1937, 4: 1043–6.—**Sirai, R.** Onsen-tyū radon no bunpu syōtyō narabi-ni sono seibutugaku-teki igi [Variation in the distribution of radon in the hot-springs, and its biological significance] Hokuetu igakkai zassi, 1940, 55: 9–41, pl.—**Sommer, E.** Ueber technische Neuerungen an Radium-Emanationsbädern. Korbl. Schweiz. Aerzte, 1912, 42: 1222–8.—**Winternitz, H.** Ueber den Emanationsverlust in Radium- (Radiogen-) Bädern verschiedener Temperatur und Zusammensetzung. Verh. Ges. deut. Naturforsch. (1909) 1910, 81: pt 2, 2. half, 57.—**Yokoyama, Y.** Kyō-hōsya-nō-sen ni okeru radon to sono kaihen seiseibutu to no heikō-kankei [On the equilibrium between radon and its decay products in the strongly radioactive springs] Nippon kagaku zassi, 1949, 70: 399; passim.

—— Research method and study.

Baur, K. Die Probleme der Quellenlaboratorien. Zschr. wiss. Bäderk., 1927–28, **2**: 693–9. ——— Neue Wege der Quellforschung? Ibid., 1928–29, **3**: 613–24.—**Berck, E.** Quellenheobachtung und Quellenforschung. Balneologe, 1938, **5**: 401–9.—**Haertl, P.** Ueber den heutigen Stand der Heilquellenforschung. Zschr. Urol., 1926, **20**: 673–8.—**Jullien, J.** Méthodes nouvelles de recherches en crénologie. Avenir méd., Lyon, 1949, **46**: 93.—**Loeper, M., & Mougeot, A.** L'orientation de l'hydrologie moderne dans le sens de l'expérimentation biologique. Rev. prat. mal. pays chauds, 1929, **9**: 103–13. ——— La liposélection des cations; méthode nouvelle en hydrologie expérimentale. Presse therm. clim., 1933, **74**: 73.—**Lorenz, R.** Vergleichende Kulturkunde der Quellenorte; eine Forderung an die Wissenschaft und für die Praxis. Zschr. phys. Ther., Wien, 1949, **2**: 129–33.—**Villaret, M., Justin-Besançon, L., & Camus, J.** Application des méthodes de perfusion aux recherches d'hydrologie expérimentale concernant la vaso-motricité. Médecine, Par., 1931, **12**: 669–81.

—— Research method and study, clinical.

Damrau, F. Mineral water as a therapeutic agent; an original clinical study covering a period of nine months. Med. Rec., N. Y., 1934, **140**: 242–4.—**Nepveux, F.** Les examens de laboratoires appliqués à l'étude des fonctions pancréatiques dans les stations hydrominérales. Presse therm. clim., 1934, **75**: 247–51.—**Pende, N., & Nardelli, L.** Un nuovo metodo di studio dell'azione biologica delle acque minerali: la crenoreazione. Rinasc. med., 1926, **3**: 492–4.—**Procházka, I.** Empirické zásady studia léčebných minerálních vod. Prakt. lék., Praha, 1930, **10**: 243–6.

—— Respiratory effect.

Chaskin, L. Experimentelle Untersuchungen über den Einfluss der Trinkkur mit dem frischen Stahlquellenwasser von Zagweri auf den Lungengaswechsel heim Menschen. Zschr. ges. exp. Med., 1930, **74**: 599–606.—**Claude.** Le traitement hydro-minéral et climatique de l'asthme. Presse therm. clim., 1948, **85**: 21.—**Jumon, H.** Le remaniement de la pathologie respiratoire et les indications thermales. Ibid., 118–20.—**Komendantov, L.** Kurortnoe leĉenie slukhovogo organa i verkhnikh dykhatelnykh putej. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **3**: 517–31.

—— Sale and price.

Carnot, P. Sur les récompenses proposées par la Commission des eaux minérales. Bull. Acad. méd., Par., 1938, 3. ser., **120**: 267–72.—**Jsou** minerální vody drahé? Výživa lidu, 1948, **3**: 68.—**Projet** de règlement sur la vente des eaux minérales; application de la loi du 1er août 1905 sur la répression des fraudes. Ann. falsif., Par., 1914, **7**: Bull., 225.

—— Sampling.

See also subheading (Analysis)

Embil, J. Un aparato automático para tomar muestras de agua en lugares poco accesibles. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, **1**: No. 4, 64.

—— Science.

See also **Balneology; Hydrology.**

Kurorte- und Heilquellenkunde. Wien, v.**1**, 1948–

Revista de hidrologia e climatologia médicas. Rio, No. 28, 1933–

Issued in Medicamenta, Rio.

Schivardi, P. Rivista idrologica. 11p. 23½cm. Milano, 1873.

Amaral, M. Nociones generales de crenología y de crenoterapia. Méd. mod., Valparaiso, 1930–31, **4**: 1047–57.—**Flurin, H., & Françon, F.** Les conceptions françaises en matière d'hydroclimatologie. Presse therm. clim., 1946, **83**: 4–8.—**Gabbi, U.** Inaugurando la scuola di crenoterapia nella R. Università di Parma. Gior. clin. med., 1925, **6**: 182–7.—**Huzinami, G.** Nippon onsengaku no hattatu [Development of the science of hotsprings in Japan] Honzō, Tōkyō, 1932, 219; passim.—**Moraes Sarmento, A. L. de.** Hydrology and the new humoralism. Arch. M. Hydr., Lond., 1928, **6**: 61–4.—**Mourao, B. M.** Tercero Congreso de estancias hidrominerales del Estado de Minas Gerais. Arch Inst. nac. hidr. clim. méd., Habana, 1948, **2**: 277–86.

—— Sediment.

Benade, W. Die Nomenklatur der Heilsedimente und Heilerden. Balneologe, 1937, **4**: 49–58.

—— silicious.

Heffernan, P. Silica in medicinal waters. Arch. M. Hydr., Lond., 1929, **7**: 208–10.—**Parkinson, J.** Silicious waters of Carlsbad; of Iceland; of Bath; silicious tufa of the geyser; vegetable calculi; flint in the epidermis of plants. In his Org. Remains, Lond., 1811, **1**: 323–8.

—— Societies.

Congresso dell'Associazione medica italiana di idroclimatologia, talassologia e terapia fisica, 26. congr., Milano, 16 maggio, 1947. Italia med., 1947, **15**: May, 1.

—— Sodium chloride content.

Angelini, G. Acque clorurate sodiche forti. Forze san., Roma, 1939, **8**: No. 10, 740–6.—**Aschoff, K.** Ueber Herkunft und Einteilung von Solquellen und den Wert ihrer sogenannten Nebenbestandteile. Zschr. wiss. Bäderk., 1929–30, **4**: 419–36.—**Casciani, P.** Influenza delle soluzioni clorurato-sodiche ipotoniche sulla funzione gastrica. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 210–30, pl., tab.—**Ciabattini, A.** Le attività amilolitiche e lipolitiche del contenuto duodenale sotto l'influenza delle acque cloruro-sodiche. Arch. ital. mal. app. diger., 1932–33, **2**: 19–27.—**Fischer, L.** Efectos e indicaciones de los baños de aguas gaseosas cloruradosódicas. Rev. méd. germ. ibcr. amer., 1937, **10**: 102–12.—**Larrouy.** Les eaux hyperchlorurées en gynécologie. Sem. hôp. Paris, 1935, **11**: 271–5.—**Lipszyc, A.** [Therapeutic properties of saline mineral springs] Warsz. czas. lek., 1939, **16**: 329; 350; 371.—**Messini, M., & Ciabattini, A.** Azione delle acque cloruro-sodiche sul potere di imbibizione e sulla persistenza della eccitabilità elettrica di muscoli di eterotermo. Arch. ital. sc. farm., 1934, **3**: 147–54.—**Rondoni, P.** Le attività proteolitiche nel contenuto duodenale sotto l'influenza della acque cloruro-sodiche. Arch. ital. mal. app. diger., 1932–33, **2**: 3–18. ——— & **Deotto, R.** L'influenza della acque cloruro-sodiche sui processi ossido-riduttivi nei tessuti, studiati col metodo al bleu di metilene. Riv. idroclim., 1937, **48**: 65–74.—**Scheuchzer, J. J.** Saltz-Wasseren. In his Hydrogr. Helvet., Zür., 1717, 298–309, illust.—**Weskott, H.** Experimentelle und klinische Untersuchungen über den Einfluss von Kochsalzquellen auf den Diabetes mellitus. Zschr. Kurortwiss., 1932–33, **2**: 609–14.—**Wolff, H.** Ueber den Einfluss von Chlorcalcium-Quellen auf den Säurebasen- und Mineralhaushalt. Balneologe, 1934, **1**: 312–5.

—— Spectrography.

See also subheading (Analysis)

Amat Bargués, M. L'espectrografía aplicada a l'anàlisi de les aigües mineromedicinals. Ann. med., Barcel., 1933, **27**: 499–512. Also Mundo méd., 1933, **15**: 1542–4.

—— Spring.

Shchukarev, S. Mineralnye istoćniki. In: Bolsh. med. encikl., 1931, **18**: 387–95.

—— Spring: Sanitary protection.

Göke, W. Erlehnisse auf dem Gehiete der Quellentechnik. Zschr. wiss. Bäderk., 1927–28, **2**: 533–40.—**Harvier, P.** Sur la création de périmètres de protection sanitaire des sources hydrominérales. Bull. Acad. méd., Par., 1942, **126**: 308–10.—**Le Noir.** Sur une demande d'extension de périmètre de sources d'eaux minérales. Ibid., 1938, 3. ser., **119**: 717.—**Maurer, E.** Ueber Mineralquellen. Gesundh. Ingenieur, 1929, **52**: 438–40.—**Meillère.** Sur des demandes de périmètre de protection concernant des sources d'eau minérale. Bull. Acad. méd., Par., 1933, 3. ser., **109**: 47–50. Also Presse therm. clim., 1933, **74**: 120. ——— Rapport sur une demande de déclaration d'intérêt public et d'etahlissement de périmètre de protection concernant une source d'eau minérale. Bull. Acad. méd., Par., 1934, 3. ser., **111**: 195.—**Pouchet.** Sur des demandes d'autorisation de sources minérales et d'extension de périmètre de protection. Ibid., 1935, 3. ser., **114**: 293; 460. Also Presse therm. clim., 1935, **76**: 769; 1936, **77**: 9.—**Scherrer, A.** Ueber Mineralquellen und deren Fassungen. Zschr. wiss. Bäderk., 1927–28, **2**: 343–54.—**Stockmayer, S.** Biologie und Naturschutz der Mineralquellen. Ibid., 1928–29, **3**: 244–8.—**Sturza, M.** Protecţia tecnică şi igienică a staţiunilor balneare şi climatice, a apelor minerale şi nămolurilor. Rev. igienă social., Bucur., 1939, **9**: 133; passim.

—— Spring: Variation.

Kreilos, J. Die Inkonstanz der Heilquellen. Zschr. ges. exp. Med., 1941, **109**: 32–47.—**Mezger, C.** Ueber die Wasserführung, Härte und Temperatur der Quellen. Gesundh. Ingenieur, 1926, **49**: 413–6. ——— Die Versickerung der atmosphärischen Niederschläge und ihr Einfluss auf die Wasserführung der Quellen. Ibid., 629–34.—**Straub, J.** [Changes in the composition of mineral waters] Budapesti orv. ujs., 1934, **32**: 481–3.

—— Standardization.

Ballozo, H. Heilquellennormung; moderne Erkenntnisse in der Einteilung sowie Beurteilung der Mineralwässer. Zschr. phys. Ther., Wien, 1948, **1**: 40–4.—**Hackl, O.** Zur Frage einer Analysen-Norm von Mineralwässern. Ibid., 101–5.—**Wollmann. E.** Internationale Heilwassernormung. Balneologe, 1943, **10**: 33–42.

—— Station.

See also **Mineral waters (and spas)**

Defoug, G. Les stations hydrominérales et climatiques. Cah. climat., Par., 1937, No. 18, Suppl., p. iii.—**Pouchet.** Sur

des demandes de reconnaissance de stations hydrominérales ou climatiques. Bull. Acad. méd., Par., 1928, 3. ser., **100**: 1426–30. ——— Sur des demandes de reconnaissance comme stations climatiques. Ibid., 1933, 3. ser., **109**: 78. Also Presse therm. clim., 1933, **74**: 121. ——— Sur une demande de reconnaissance en station hydro-minérale. Bull. Acad. méd., Par., 1935, 3. ser., **113**: 560; 861. ——— Rapport sur une demande de reconnaissance comme station climatique. Presse therm. clim., 1936, **77**: 158. Also Bull. Acad. méd., Par., 1937, 3. ser., **117**: 580.—**Rathery.** Au sujet d'un voeu concernant les stations hydrominérales. Ibid., 1940, 3. ser., **123**: 206–8

—— Station: Administration.

Domínguez, F. Sur la nécessité des procédés modernes d'administration des eaux thermales. Bull. Acad. méd., Par., 1937, 3. ser., **117**: 310–4. Also Presse therm. clim., 1937, **78**: 179–81.—**Urbain, P.** Outillage et aménagement de la station thermale. Techn. san. mun., Par., 1946, **41**: 18–30.—**Villaret, M.** Notions générales sur le mode d'administration des eaux minérales. J. méd. chir., Par., 1934, **105**: 229–44.

—— Station: Organization.

Almeida, T. de. Organización médico-hospitalaria de las estaciones hidro-minerales. Arch. Inst. nac. hidr. clim. méd., Habana, 1948, **2**: 264–70.—**Molinéry.** Vers l'organisation technique du thermo-climatisme social français. Bull. Acad. méd., Par., 1934, 3. ser., **112**: 231–5.—**Mourão, B. M.** Sugestões para a organização e propaganda científicas das estâcias hidrominerais. An. paul. med. cir., 1948, **55**: 281–307.—**Reveilhe, P. de.** Vers l'organisation technique du thermo-climatisme social français. Paris méd., 1934, **94**: Annexe, 162.—**Salitówna, E.** [Organization and therapeutic administration of alcaline and saline mineral waters] Warz. czas. lek., 1936, **13**: 625–8.—**Tabanera, J. A.** La organización de los establecimientos termales. Sem. méd., B. Air., 1938, **45**: pt 2, 216–8.—**Villaret, M.** Sur l'organisation des soins à donner aux blessés et aux malades de guerre dans les stations hydrominérales et climatiques. Bull. Acad. méd., Par., 1939, 3. sér., **122**: 369–71.—**Vinaj, A.** Organizzazione scientifica e tecnica della stazione di cura idrotermale. Riv. idroclim., 1939, **50**: 236–41.

—— Station: Sanitation and hygiene.

See also other subheadings.

Canalis, P. L'igiene delle stazioni climatiche e di cura. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 234–59.—**Darányi, J.** [Hygiene of spas] Népegészségügy, 1937, **18**: 548–55.—**Demonchy, L.** Les villes d'eaux, considérées comme centre d'application des lois sur l'hygiène. Rev. path. comp., Par., 1912, **12**: 273–7.—**Molinéry.** De l'hygiène au sein des stations thermales et, plus particulièrement de la formation du personnel baigneur. J. méd. chir., Par., 1933, **104**: 366–70.—**Pierret, R.** Hygiène des stations thermales et climatiques; protection contre les fumées, les poussières, les odeurs et les bruits. Presse therm. clim., 1937, **78**: 137–42.

—— Station: Specialization.

See also subheading (Medical specialists)

Justin-Besançon, L., Deschamps, P. N., & Forestier, J. La spécialisation des stations hydrominérales. Presse therm. clim., 1946, **83**: 1–4.

—— Storage.

See also subheading (Ageing and deterioration)

Brožek, B. Změny v chemickém složení minerálních vod při uskladnění. Lék. listy, 1949, **4**: 386–91.—**Spitz, I. I., & Sass, R. L.** [Use of stainless steel for storage of carbonated water] Hig. & zdorov., 1941, **6**: No. 2, 44–8.

—— Sulfate content.

Bessot, L. *Etude expérimentale de l'action cholagogue des eaux sulfatées calciques (Contrexéville) et sulfatées chlorurées (Brides) [Lyon] 139p. 8° Trévaux, 1936.

Arnoldi, W. Die Wirkung der Glaubersalzquellen im Lichte moderner Forschung. Zschr. wiss. Bäderk., 1929–30, **4**: 750–3.—**Beale.** A farther accompt of the vitriolate-water, mention'd Num.18 p.323 together with some other particulars touching waters. Philos. Tr., Lond., 1665–66, **1**: 359.—**Campos Manso, J. M.** Contribución a la acción de las aguas sulfurado-cálcicas por vía digestiva. Rev. clín. españ., 1946, **23**: 301–6.—**Daisky, A.** Ueber die gallenflussanregende Wirkung der sulfathaltigen Mineralwässer. Med. Klin., Berl., 1940, **36**: 1401 (Abstr.)—**Decaux.** Quels sont les cas d'hyperazotémie justiciables de la cure hydrominérale sulfaté calcique et magnésienne? J. méd. chir., Par., 1937, **108**: 189–91.—**Dybowski, U.** Die Gipsquellen. Balneologe, 1944, **11**: 49–79.—**Eichholtz, F.** Zur Pharmakologie der Schwefelwässer. Med. Welt, 1937, **11**: 488–91.—**Goldberger, J.** Die diuretische Wirkung von sulfathaltigen Mineralwässern. Zschr. Urol., 1931, **25**: 512–21.—**Hora, F.** Příspěvek k účinku minerálních síranových vod. Lék. listy, 1948, **3**: 60.—**Kermorgant, Y.** Etude expérimentale de l'absorption des eaux sulfatées sodiques. Presse therm. clim., 1947, **84**: 249.—**Kolb, R.** Trinkkur mit Glaubersalzsäuerling und erdigem Säuerling zugleich. Balneologe, 1941, **8**: 166.—**Piéry, M., & Enselme, J.** Action des eaux sulfatées chlorurées sur les fonctions du foie, normales ou pathologiques. Bull. Acad. méd., Par., 1937, 3. ser., **117**: 326–30.—**Santenoise, D., Franck, C.** [et al.] Action des eaux sulfatées-calciques sur certains mécanismes regulateurs de la pression arterielle. Ibid., 1932, 3. ser., **108**: 1141–50. ——— Recherches sur le mode d'action des eaux sulfatées calciques sur la motricité intestinale. Ibid., 1935, 3. ser., **114**: 162–6. ——— Cure sulfatée calcique et régulation neuro-humorale. Ibid., 323–6. Also Presse therm. clim., 1935, **76**: 775.—**Santenoise, D., Merklen, L., & Vidacovitch, M.** Analyse expérimentale des effets des eaux sulfatées-calciques sur la diurèse. Ibid., 1938, **79**: 210–6.—**Schmid, H.** Etude expérimentale de l'action cholagogue des eaux sulfatées sodiques. C. rend. Congr. internat. lith. biliaire, 1932, **2**: 409–11.—**Schneider, J.** Les principaux accidents douloureux des cures sulfaté-calciques. Gaz. méd. France, 1939, **11**: hydr., No. 8, 49.—**Sellier, J.** Contribution expérimentale à l'action physiologique des eaux sulfatées calciques sur la diurèse et le métabolisme des purines chez le chien. Ann. Inst. hydr., Par., 1932–33, **8**: 276–85.

—— sulfurous.

Pech, F. *Les injections intra-tissulaires d'eau minérale sulfureuse. 118p. 24½cm. Toulouse, 1937.

Rey, J. *Recherches expérimentales sur l'absorption cutanée des éléments eonstitutifs des eaux sulfurées sodiques. 87p. 24½cm. Toulouse, 1938.

Accivile, D., Spadea, G. [et al.] Risultati ottenuti in un gruppo di malate ginecologiche trattate con acque solfuree. Clin. ostet., 1948, **50**: 49–73.—**Adami, E.** Sulla farmacologia delle acque minerali sulfuro-magnesiache. Arch. ital. sc. farm., 1937, **6**: 332–51. ——— Sulla presunta azione spasmolitica in vitro delle acque minerali sulfuree; ricerche sperimentali. Ibid., 1940, **9**: 68–90.—**Alperovich, B. G.** [Effect of sulphur hydrogen mineral waters on sexual function] Urologia, Moskva, 1936, **13**: 74–7.—**Audubert.** La radio-activité dans les eaux sulfureuses. Vie méd., 1926, **7**: 444.—**Baltacéano, G., & Vasiliu, C.** Les eaux sulfureuses et le metabolisme glucidique. C. rend. Congr. internat. insuff. hépat., 1937, 1. Congr., 635–7.—**Baqué, S.** Du rôle et de la valeur des vapeurs et gaz sulfurés dans la thérapeutique hydrominérale. Rev. méd. Centr. Ouest, 1933, **5**: 334. ——— Cures sulfurées et plaies mastoïdiennes par trépanation ou évidement. Rev. gén. clin. thér., 1935, **49**: Suppl., 726–31.—**Brown, D., & Woodmansey, A.** Excretion of the constituent ions of sulphur water. Lancet, Lond., 1929, **1**: 1244–6.—**Brunner, H.** Zur Kenntnis der Schwefelwasserwirkung. Praxis, Bern, 1941, **30**: H. 29, Beil., 18.—**Bürgi, E.** Ueber die Wirkungen der Schwefelquellen. Schweiz. med. Wschr., 1934, **64**: 116.—**Casaubon, R. A.** Indications des sources sulfureuses chez les enfants. Bull. méd., Par., 1930, **44**: 501–3.—**Cherbuliez, E., & Herzenstein, A.** Sur la recherche et le dosage du soufre colloïdal et du soufre polysulfure dans les eaux sulfureuses. C. rend. Acad. se., 1937, **204**: 269–72.—**Conde Jahn, F.** Crenoterapia sulfurosa. Gac. méd. Carácas, 1935, **42**: 6; 77; 107.—**Daniel, I.** Tratamentul hidromineral al diabetului cu apele minerale sulfuroase. Misc. med. român., 1937, **10**: 431–4. ——— & **Popesco-Buzeu, M.** Sur l'action hypoglycémiante du soufre; les eaux minérales sulfureuses. C. rend. Soc. biol., 1931, **106**: 106.—**De Blasio, A.** Influenza delle acque solfuree sulla glicemia di bambini sani. Clin. term., Roma, 1948, **1**: 280–2.—**Desgrez, A., Lescoeur, L., & Manjean, S.** Influence d'un courant de gaz inerte sur la décomposition des solutions sulfurées; vitesse de la diffusion du gaz hydrogène sulfuré; application à la connaissance des eaux minérales. Ann. Inst. hydr., Par., 1926, **4**: 237–61.—**Duhot, E., & Rachez, J.** Les effets des cures hydrominérales sulfureuses sont-ils liés à une action bactéricide directe? Echo méd. nord., 1935, 3. ser., **3**: 813–26.—**Du Pasquier.** La cure thermale sulfureuse adjuvante de la chirurgie broncho-pulmonaire dans les suppurations. Presse therm. clim., 1947, **84**: 212.—**Fabre, R.** Le soufre des eaux minérales. In: Soufre (Loeper, M. R. M.) Par., 1943, 49–68.—**Farneti, P., & Jasonni, E.** Sulla azione antianafilattica delle acque minerali sulfuree. Lav. Ist. clin. med. Bologna, 1941, No. 41, 1–7. Also Riv. idroclim., 1941, **52**: 73–7. ——— Sistema neuro-vegetativo ed acque sulfuree; studio dell'oscillometria differenziale omero-tibiale. Ibid., 1943, **54**: 1–11.—**Fichera, S., & Grasso, R.** Sull'azione ipoglicemizzante delle acque sulfuree. Boll. Soc. ital. biol. sper., 1931, **6**: 481–4.—**Flurin, H., Lamarque, H., & Liacre, A.** Les cures sulfurées. J. méd. Bordeaux, 1926, **56**: 232; 277. Also Presse therm. clim., 1926, **67**: 553; 585.—**García Ayuso, J.** Las aguas nuncrales sulfurosas en el tratamiento de las enfermedades de la piel. Mundo méd., 1935, **17**: 211; passim.—**Gasperini, C. G.** Sull'azione anti-choc delle acque minerali solfuree e sulla concentrazione in cloro del plasma nel corso della scarica anafilattica. Riv. ital. ter., 1927, **1**: 255–7.—**Jasonni, E.** Prove istaminiche ed acque minerali solfuree; la reattività cutanea istaminica dei malati allergici nel corso della crenoterapia solfurea. Arch. farm. sper., 1947, **76**: 107–14. ——— Schock aerosol-istaminico in cavie trattate con inalazioni solfuree. Ibid., 115–9. ——— Ricerche sperimentali sul potere filattico ed anagotossico delle acque solfuree verso l'istamina. Ibid., 120–4.

——— Le acque minerali solfuree ed il loro uso per via idropinica e per irrigazioni intestinali. Clin. term., Roma, 1948, **1**: 56–9.—**Kosmath, W.** Der Verlust an Schwefelwasserstoff beim üblichen Trinkverfahren. Zschr. phys. Ther., Wien, 1949, **2**: 138–40.—**Lefort.** Sur la conservation, les altérations et l'analyse chimique des eaux minérales sulfureuses. J. chim. méd., Par., 1869, 5. ser., **5**: 155–8.—**Lucherini, T.** Nuove possibilità d'impiego terapeutico delle acque solfuree; la crenoterapia parenterale solfurea. Forze san., Roma, 1940, **9**: No. 2, 10–5.—**Maliwa, E.** Ueber Schwefelthermen; Ausführliche Beantwortung einer Anfrage. Aerztl. Prax., Wien, 1935, **9**: 233.—**Matthias, F.** Old time indications of sulphur springs. Med. Rev. of Rev., 1929, **35**: 349–54.—**Melocchi, W.** Ricerche sull'eliminazione urinaria dei cloruri, dei fosfati e dei solfati in seguito a somministrazione di acqua solfuro-magnesiaca. Riv. idroclim., 1936, **47**: 325–9.—**Molinéry, P.** Pharmacodynamie des eaux sulfurées. Gaz. méd. France, 1948, **55**: 291–3.—**Molitor, H.** Ueber die diuretische Wirkung peroral zugeführten natürlichen Schwefelwassers. Wien. klin. Wschr., 1927, **40**: 1103–5.—**Mourão, M.** As injecções endovenosas da agua sulfurosa. Brasil med., 1930, **44**: 1360–5.—**Pelon, H.** Dermatoses et eaux sulfureuses. Marseille méd., 1928, **65**: 629.—**Podsoński, W.** [Therapeutic effect of sulphur-lime mineral water on the circulatory apparatus] Polskie arch. med. wewn., 1938, **16**: 491.—**Quartuccio, B.** Terapia solfureomarina nell'asma bronchiale. Clin. term., Roma, 1948, **1**: 268.—**Scheinman, N. S.** [Inhalation therapy with artificial sulphurated hydrogen water] J. ushn. nosov. gorlov. bolez., 1939, **16**: 239–53.—**Schmidt, L.** Die therapeutische Bedeutung der Darmspülung mittels Schwefelquellwasser beim chronischen Rheumatismus. Zschr. Kurortwiss., 1932–33, **2**: 670–4.—**Vila López, A.** Estudio experimental sobre la medicación hidromineral sulfurada. Med. espan., 1942, **7**: 130–41.—**Villaret, M., Justin-Besançon, L., & Boucomont, R.** Recherches pharmacodynamique sur l'action cardiovasculaire de certaines eaux sulfureuses. Paris méd., 1931, **79**: 361–9.—**Vinaj, A.** Le cure termali solforose nei fanciulli. Forze san., Roma, 1934, **3**: 162–9.—**Winckler, A.** Sobre las indicaciones de las aguas sulfurosas. Rev. méd. Hamburgo, 1926, **7**: 289–92. ——— Zur Pharmakodynamik der Schwefelwässer. Zschr. wiss. Bäderk., 1927–28, **2**: 21–5.—**Wolff, R., & Manjean, S.** Action des eaux minérales sulfureuses sur la répartition du glutathion réduit dans les tissus des animaux. Presse therm. clim., 1933, **74**: 136–9.—**Woodmansey, A.** The presence of sulphide in a mineral water and its oxidation by air. Harrogate Spa M. J., 1939–40, **2**: No. 2, 8–12.

—— Technic of water-taking.

Diénert. Captage des sources; adduction; distribution; surveillance; législation; état actuel de la question. Rev. hyg., Par., 1923, **45**: 1128–48.—**Julliard, E.** Quelques problèmes techniques de la source d'eau thermale et des dispositifs de pompage. Méd. & hyg., Genève, 1946, **4**: No. 83, 10.—**Migaux.** Le captage des eaux minérales. Arch. Soc. sc. méd. biol. Montpellier, 1928, **9**: 464; 489.—**Ogilvi, A. N.** Obście osnovy balneologii; o proiskhoždenii mineralnykh istočnikov i ob ikh kaptaže. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **1**: 86–109.—**Scherrer, A.** Wandlungen der Quellfassungstechnik im Laufe der Jahrhunderte. Zschr. Kurortwiss., 1932–33, **2**: 216–25.—**Talenti, M., & Ragno, A.** Sulla tecnica di prelevamento delle acque minerali. Ann. igiene, 1937, **47**: 80–7.

—— Test.

See also subheading (Analysis)

Molinéry, R. La réaction de Faust Zambrini peut-elle devenir un test en crénologie? J. méd. Bordeaux, 1937, **114**: 797–800.—**Prado Junior, F.** O sulfato de esparteina como test para avaliar o poder anagotoxico das aguas minero-medicinais. Brasil med., 1942, **56**: 63–5.

—— Therapy.

Syn.: Crenotherapy. See also **Balneotherapy; Mineral waters (and spas)**

Borov, I. Лечебни минерални води. 82p. 21cm. Sofia, 1950.

Goldfeil, L. G. Справочник для врачей по отбору больных на курорты союзного, республиканского и местного значения. 94p. 22cm. Moskva, 1941.

McClellan, W. S. New trends in the treatment of chronic disease; an experience in spa therapy. 13p. 23cm. Alb., 1944.

Forms No. 13, Pub. Saratoga Spa. Also: Ann. Int. M., 1943, **18**: 825–34.

Petters, H. Balneoterapia crenotcrapia. 50p. 19½cm. Méx., 1941.

Alvares Correa, M. [Crenotherapy] Ned. tschr. geneesk., 1925, **69**: pt 2, 1628–31.—**Ayuso, G.** Terapéutica crenoclimática. Actas derm. sif., Madr., 1943–44, **35**: 352.—**Baudouin, G.** Medication hydrothérapique et hydrominérale. Arch M. Hydr., Lond., 1932, **10**: 20–2.—**Belger.** O výzkumu minerálních vod. Cas. lék. česk., 1948, **87**: 573.—**Benczúr, G.** [Mineral waters and crenotherapy] Orvosképzés, 1937, **27**: Aug. különf., 10–21.—**Buckley, C. W.** Spa treatment. Birmingham M. Rev., 1926, n. ser., **1**: 196–219 —**Bussi, A.** Le cure idrominerali. In: Tisiol. nella prat. med. (Campani) Milano, 1933, 967–78.—**Carnot, P., Chiray, M.** [et al.] Crénothérapie. Annuaire stat. hydromin. &c. France, 1948, **69**: 89–98.—**Clendening, L., & Hashinger, E. H.** Climate, aerotherapy, heliotherapy, mineral springs, health resorts. In their Methods of Treat., 8. ed., S. Louis, 1943, 495–506.—**Edgecombe, W.** The principles of spa treatment. Brit. M. J., 1929, **1**: 981–3. ——— The economic aspects of spa treatment. J. State M., Lond., 1935, **43**: 449–66.—**Fitch, W. E.** Medical hydrology; a plea for the recognition of the importance of mineral waters as therapeutic agents. Med. J. & Rec., 1931, **133**: 316–20.—**Fracesconi, I.** A terapeutica hidro-mineral e climatica. Labor. clin., Rio, 1937, **17**: 50.—**Lampert, H.** Die Anwendung von Bädern und Mineralwasserkuren in der Heilkunde. Umschau, 1936, **40**: 441–4.—**Lockwood, R. A.** What is spa therapy? Physiotherapy, Lond., 1950, **36**: 30–3, illust.—**McClellan, W. S.** Spa therapy. Interne, 1946, **12**: 671–7. ——— The clinical use of mineral waters. Med. Digest, Bombay, 1949, **17**: 195–200.—**Merklen, L., & Diffre, H.** Cures hydrominérales et cure d'exercice. Paris méd., 1935, **95**: 349–54.—**Moraes Sarmento, A. L. de.** Crenoterapia e o humorismo. Med. contemp., Lisb., 1927, **45**: 257.—**Novye** sroki lečenija bolnykh na kurortakh. In: Spravoch. vrach. kurorty &c. (Goldfeil, L. G.) Moskva, 1941, 81.—**Paccino, N.** L'idroterapia nel suo aspetto clinico, sociale e turistico; il termalismo, unico farmaco dei Romani; la parola d'ordine di Ippocrate; acqua, sole, movimento. Riv. Soc. ital. igiene, 1940, **62**: 70.—**Parisot, J., & Richard, G.** Cures thermales et congés payés. Rev. hyg. méd. social., 1937, **16**: 1–9.—**Pelayo, L. de J.** Concepto de la terapéutica con aguas minerales. Bol. Soc. mutual. med. farm. Guadalajara, 1937, **9**: 202–12.—**Pringle, G. L. K.** Mineral waters; their therapeutic application. Prescriber, Edinb., 1929, **23**: 83–8.—**Puech, A.** Cures hydro-minérales et climatothérapie. In: Pratique gastro-entérologique (Baumel, J.) Par., 1942, 483–507.—**Ramos Báez, P.** Algunas consideraciones sobre los tratamientos crenoterápicos. Vida nueva, Habana, 1933, **31**: 486–98.—**Reah, T. G.** Spa treatment. Nurs. Times, Lond., 1938, **34**: 1133–6.—**Rodríguez Pinilla.** Dans la crénothérapie peut-on admettre les aphorismes? C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 505–7.—**Saitō, H.** Kōsen ryōhō ni tuite [Mineral-spring treatment] Nippon igaku, 1943, 1428.—**Sigerist, H. E.** The curative aspects of mineral springs. California West. M., 1943, **58**: 106 (Abstr.)—**Sommer, E.** Physiologische Wirkung und therapeutische Anwendung der Heilquellen-Aktivität. Rapp. Congr. internat. physiothér., 1910, 3. Congr., 329–37.—**Usilenie** borby s zasylkoj prativopokazannykh bolnykh na kurorty i uporjadačenie ikh vyjavlenija i evakuacii. In: Spravoch. vrach. kurorty &c (Goldfeil, L. G.) Moskva, 1941, 80.—**Vámossy, Z.** [Crenotherapy in general] Orvosképzés, 1937, **27**: Aug. különf., 3–9.—**Waterhouse, R.** The spa treatment of disease. Brit. M. J., 1929, **1**: 57–61.

—— Therapy: Diet.

Bussi, A. Per l'alimentazione ittica nelle stazioni termali e climatiche. Forze san., Roma, 1937, **6**: 669–72.—**Caillon, L.** Le diététique dans les stations hydrominérales françaises; maladies de la nutrition, du tube digestif, du système cardio-vasculaire. Presse therm. clim., 1937, **78**: 90–6.—**Dumitrescu-Popovici.** Chestiunea regimului alimentar in statiunile hidrominerale. Mişc. med. român., 1937, **10**: 453–5.—**Grote, F.** Balneologisches und Diätetisches. Schweiz. med. Wschr., 1938, **68**: 401.—**Maliwa, E.** Prinzipielles zur Frage der Heilquellendiät. Zschr. ges. phys. Ther., 1927, **34**: 141–3.—**Pevsner, M. I., Lewin, G. L., & Chechulin, S. I.** Zur Frage über die Nahrungsaufnahme bei Trinkkuren im Kurort. Arch. Vardauungskr., 1932, **52**: 162–70.—**Souza Lopes, R.** A dietctica nas estancias hydro-mineraes. Vida med., Rio, 1941, **9**: 4–8 —**Villaret, M., Justin-Besançon, L., & Sautel, M.** L'état actuel de la diététique dans les stations thermales françaises. Presse méd., 1938, **46**: 1045–7.—**Vogt, H.** Ernährung und Diät in Bädern und Kurorten. Karlsbad. ärztl. Vortr. (1939) 1940, **17**: 78–83.

—— Therapy: Drinking cure.

Albu, A. Die Wirkungsweise und die Heilfaktoren der Trinkkuren. Zschr. Balneal. Klim., 1913–14, **6**: 128.—**Baumstark, R.** Ueber die Wirkungsweise der Mineralwassertrinkkuren. Hippokrates, Stuttg., 1933, **4**: 162–72.—**Bravo E., F.** La cura de la bebida en el tratamiento de hidromineral. Rev. méd. hondur., 1934–35, **5**: 133–40.—**Haug, H.** Trinkkuren. Balneologe, 1935, **2**: 299–302.—**Hintzelmann, U.** Einiges über Trinkkuren; neuere experimentelle und klinische Gesichtspunkte. Med. Welt., 1936, **10**: 603–6.—**Keller-Stoppany, A.** Transmineralisation durch Mineralwassertrinkkuren. Schweiz. med. Wschr., 1929, **59**: 362–6.—**Kosmath, W.** Eine Trinkkurform des neuen Heilquellenhahnes. Zschr. phys. Ther., Wien, 1949, **2**: 12–6 ——— & **Komma, E.** Der Verlust an heilkräftigen Gasen bei Trinkkuren in den Heilbädern und dessen Vermeidung. Wien. med. Wschr., 1943, **93**: 596.—**Kučera, V.** Jsou úpravy minerálních vod pro léčbu pitím účelné? Cas. lék. česk., 1944, **83**: 589–91.—**Kukowka, A.** Wirkungen der Trinkkuren. In his Heilquell. Thüring., Rudolstadt, 1948, 136–44.—**Schober, P.** Heilquellen-Trinkkuren. Hippokrates, Stuttg.,

1938, 9: 169–75.—**Westkott, H.** Trinkur und Diätversorgung. Ibid., 1937, 8: 405–7.

—— Therapy: Evaluation.

See also subheadings (Indication, etc.)

LAY, H. K. *Die Beeinflussung der natürlichen Abwehrkräfte und des Blutchemismus durch Mineralwassergaben. 21p. 8° Marb., 1935.

OBERTEUFFER, J. H. Abhandlung über die Wichtigkeit der Mineralwasser als vorzügliches Heilmittel in vielen Krankheiten. 28p. 18cm. S. Gallen [?] 1804.

Galup, J. Les incompetences thermales. Presse therm. clim., 1949, **86**: 216.—**Goldberger, J.** Physiologic fundamentals of spa therapy. Arch. Phys. M., 1945, **26**: 558–66.—**Grunow, W.** Konstitutionsbehandlung durch Bäder- und Trinkkuren. Balneologe, 1943, **10**: 151–7.—**Hill, L. C.** Mineral waters; their scope and practical value when used internally. Med. Press & Circ., Dubl., 1933, **135**: 367–9.—**Jarman, M. B.** Mineral water therapy; an appraisal. Arch. Phys. M., 1945, **26**: 153–8.—**Kunszt, J.** [Medical value of mineral waters] Budapesti orv. ujs., 1934, **32**: 673–9.—**Ottolenghi, D.** La funzione profilattica delle stazioni climati che e idrominerali, e i modi per attuarla. Difesa sociale, 1937, **16**: 1099–104.—**Perrin, M.** La place des eaux minérales dans les associations thérapeutiques. Bull. gén. thér., 1933, **184**: 351–5. Also Clinique, Par., 1934, **29**: 311.—**Rausch, Z.** [Clinical value of drinking cures] Orv. hetil., 1934, **78**: 965–7.—**Schulhof, O.** Mit várhatunk orvosi szempontból újabb gyógyforrásainktól? Ibid., 1949, **90**: 798.—**Tudor, D. M.** The valuc of spa treatment in the cure of chronic disease. Med. Press & Circ., Lond., 1942, **208**: 173–5.

—— Therapy: Injection.

Lumbroso, G. Sopra alcuni effetti delle acque clorurosodiche-iodiche leggere usate per iniezioni ipodermiche. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 257–67.

—— Therapy: Medical supervision.

Balme, M. Actions limites et réactions contraires imposent le contrôle médical constant d'une cure thermale. Gaz. méd. France, 1938, **45**: Suppl., therm., 19–21.—**Boudry, A.** Sur la qualité des cures hydrominérales et sur le contrôle médical de leurs effets. Bull. Soc. méd. Paris, 1934, 112–9.—**Rosenthal, G.** Une erreur de pratique médicale; l'ordonnance de posteure. Ibid., 1935, 685–7.

—— Therapy: Methods.

BLÖDORN, H. *Die Einwirkung von Haus-Brunnenkuren auf die Blutbaktericidie des Menschen [Berlin] 24p. 8° Charlottenb., 1936.

Alexandrov, V. A. Griazelečenie vo vnekurortnoe vremja. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **2**: 169–87, 2 diagr.—**Baqué, S.** Que penser de certaines cures avec de l'eau minérale transportée. Rev. gén. clin. thér., 1936, **50**: Suppl., 758–61.—**Brusilovsky, E. M.** Kombinirovannye metody lečenija na kurortakh. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **2**: 280–98.—**Derecq, L.** Des cures hydriques faites avec les eaux minérales transportées en bouteilles; de l'importance thérapeutique des agents physiques considérés comme adjuvants aux cures hydriques; des thermes urbains avec buvette d'eaux minérales naturelles. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 357.—**Dobrzyński, J.** Wody mineralne w lecznictwie domowym. Polski tygod. lek., 1949, **4**: 242–5.—**Grollet, L.** La crénothérapie intra-tissulaire. Rev. path. comp., Par., 1950, **50**: 106.—**Huchon, H. A.** Qu'attendre de la crénothérapie en médecine générale. Méd trop., Marseille, 1947, **7**: 496–501.—**Ingal, I. M.** [Local application of mineral waters in andrology] Vrach. gaz., 1926, **30**: 579–82.—**Jarman, M. B.** Importance of rest, exercise and dietary regulation in the spa regimen. J. Am. M. Ass., 1943, **123**: 631–4.—**Krone.** Häusliche Heilquellenkuren während der Wintermonate. Zschr. Kurortwiss., 1932–33, **2**: 587–9.—**Lüscher, G.** Die Bade-, Douchen- und Trinkkuren. In his Herkunft & Wirk. Mineralbad. Schweiz, Aarau, 1948, 75–81.—**Melocchi, W.** Tecnica termale; le piscine, i bagni, i bagni medicati, le doccie, le irrigazioni, le inalazioni. Forze san., Roma, 1939, 8: No. 23, 1559–69.—**Ricciardi, R.** Note di crenoterapia per il medico pratico. Diagnosi, Nap., 1948, **4**: 85–90.—**Winston, F.** Taking the waters. S. Barth. Hosp. J., Lond., 1949, **53**: 215–8.—**Wybauw, R.** Hydrologie et protéinothérapie. Ann. méd. phys., Anvers, 1927–28, **20**: 27–39.

—— Therapy: Social aspect.

DANISHEVSKY, G. M. Основы социальной курортологии. p.9–85. 23cm. Moskva, 1932. In: Osnovy kurort. (Konchalovsky, M. P.) Moskva, 1932–36, **1**:

Bauer. Le cure termali nel quadro della legislazione sociale. Difesa sociale, 1942, **21**: 493–7.—**Delore, P.** Considérations sur le thermalisme social. Presse therm. clim., 1946, **83**: 88–91.—**Fischer, G.** Le thermalisme social en France et à l'étranger. Concours méd., 1947, **69**: 1842.—**Resch.** Verjüngung des Badepublikums. Münch. med. Wschr., 1936, **83**: 1144.

—— Therapy: Social insurance service.

Blanc, L. G., & Courbaire de Marcillat. L'intérêt des cures thermales pour la sécurité sociale. Arch. méd. sociale, 1947, **3**: 548–59.—**Creyx.** Sécurité sociale et crénothérapic. J. méd. Bordeaux, 1948, **125**: 218–21.—**Henry.** Les assurés sociaux et les cures thermales. Rev. méd. Nancy, 1947, **72**: 350–2.—**Hilaire.** Le remboursement des cures thermales par les caisses d'assurance-maladie. Presse therm. clim., 1936, **77**: 125.—**Pierret, R.** Les cures thermales pour assurés sociaux. Rev. hyg. méd. social., 1937, **16**: 161–6.

—— Therapy: Untoward effect.

LACOUR, M. L. *Réaction anaphylactoïde aux eaux minérales de l'utérus de cobaye sensibilisé; étude expérimentale in vitro. 50p. 24cm. Par., 1941.

Cardeñosa Jiménez, W. de. Algunas consideraciones sobre el brote y fiebre termal en las aguas sulfurado cálcicas. Sem. méd. españ., 1943, **6**: pt 2, 700–3.—**Hesse, E.** Toxische und therapeutische Wirkungen von natürlichem Mineralwasser. Zschr. ges. exp. Med., 1939, **105**: 768–74.—**Hybner, L.** Minerálnf vody, anafylakse a fylakse. Prakt. lék., Praha, 1934, **14**: 126–30.—**James, C., & Aud'houi, V.** Du danger des eaux minérales. In their Guide prat. eaux minér., 13. éd., Par., 1889, 495–506.—**Kukowka, A.** Kurreaktionen. In his Heilquell. Thüring., Rudolstadt, 1948, 265–9.—**Puech, A.** Incidents et accidents des cures hydro-minérales; réactions et crise thermales. Presse therm. clim., 1947, **84**: 21–7.—**Vauthey, P., & Vauthey, M.** Les variations de la formule d'Arneth, critère physio-pathologique du stade pré-clinique de la crise thermale. Sud méd. chir., 1949, **81**: 1094–100.

—— thermal.

BIANCONI, G. G. Del calore prodotto per l'attrito fra fluidi e solidi in rapporto colle sorgenti termali e cogli aeroliti. 48p. 23cm. Bologna, 1862.

LÉVY, M. *Considérations sur les piscines de villes et des stations thermales. 47p. 8° Par., 1932.

Diffre, H. La thérapeutique thermale et la vie naturelle. Presse therm. clim., 1940, **81**: 212–7.—**Emoto, Y.** Ueber Flora und Fauna der Thermen. Mitt. Deut. Ges. Naturk. Ostasiens, Tokyo, 1942, **33**: C, 21–3.—**Fritz, H.** Thermalwässer und ihre klinische Verwendung. Balneologe, 1937, **4**: 322–9.—**Gautier, A.** La genèse des eaux thermales. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 801–38. ——— La genèse des eaux thermales et ses rapports avec le volcanisme. Mém. Congr. Ass. méd. fr. Amérique du Nord, 1906, 3. Congr., 428–34.—**Grunow, W.** Ueber spasmolytische, blutumlaufregulierende und antiallergische Wirkungen der Thermalwassertrinkkur. Hippokrates, Stutg., 1933, **4**: 251–9.—**Hattori, A.** Kōsen no syokubai-sayō ni kan-suru kenkyū; zinkō onsen no syokubai-sayō ni tuite [Studies on the catalytic action of mineral springs; the catalytic action of artificial hotsprings] Eisei sikenzyo ihō, 1943, 14–28. Also Nippon eisei kagakkai si, 1943, **15**: 8–22.—**Horie, K., & Imada, S.** The influence of hot springs on the action of digestive enzymes; influence on amylase action. Jap. J. Gastroenter., 1942–43, **14**: 212.—**Hukusima, K.** On-yoku narabi-ni onsen-yoku no ketueki ni oyobosu eikyō ni kan-suru kenkyū; ketueki no rikagaku-teki scizyō ni oyobosu eikyō [Studies on the effect of warm baths and hotspring baths upon the blood; effects upon the physico-chemical properties of the blood] Zissen irigaku, 1933, **3**: 39; 172; 250.—**Huzinami, G.** Kazō-sen [Artificial hotsprings] Honzō, Tōkyō, 1933, 503–12.—**Inomata, D.** Naruko no ni-san onsen ni okeru nyūyoku no sanso syōhi-ryō ni oyobosu eikyō ni tuite [The effect upon the consumption of oxygen of bathing in several hotsprings in Naruko (in Miyagi Prefecture)] Tōhoku igaku zassi, 1943, **33**: 28–37.—**Julien, J.** Le problème du mode d'action thérapeutique des eaux thermales. Concours méd., 1946, **68**: 920.—**Masuda, Y., & Huzii, S.** Onsen hannō no kansatu [Observations on hot-spring reaction] Tōhoku igaku zassi, 1942, **30**: 135–8.—**Matuo, T.** Onsen tiryō [Hotspring treatment] Tōzai igaku, 1941, **8**: 30–40.—**Morimoto, S.** Onsen-ryōhō narabi-ni sono seiri-teki sayō no ni-san tiken [A few observations on balneothcrapy and its physiological action] Gun idan zassi, 1929, 1031–48.—**Ohsima, Y.** Onsen no rosi hannō hoi [Supplementary to the studies of filter-paper reaction of hot-springs] Igaku & seibutugaku, 1947, **10**: 174.—**Ohta, T.** Kankaku syōgai to onsen ryōhō [Difficulties with sensation, and convalescence at hot-springs] Tōzai igaku, 1941, **8**: 684.—**Ono, Z.** Onsen no buturi-kagaku-teki narabi-ni seibutugaku-teki rōka gensyō no zikken-teki kenkyū [Experimental studies on the physico-chemical and biological aging phenomena of hot-springs] Rinsyō & kenkyū, 1945, **22**: 333–6.—**Saitō, T., Nakasone, K.** [et al.] Onsen no kenkyū; rinsyō hen [Clinical discussion of research on hotsprings] J. Radiol., Kanazawa, 1948, **6**: 94–115.—**Serres, M. de.** Des eaux thermales considérées sous le rapport de leurs propriétés

physiques et de leur position géologique. Gaz. méd. Montpellier, 1852–53, **13:** 7; 56; 71; 90.—**Takayasu, S.** Onsen sayō no tiryō-teki hihu sigeki [The therapeutic skin stimulation of the action of hotsprings] Dōzin igaku, 1933, **6:** 782–4.—**Trauner, L.** Prilog upoznavanju ljekovitih faktora termalnih izvora. Ljeć. vjes., 1949, **71:** 339–41. Also German transl., Praxis, Bern, 1949, **38:** 469–72.

—— Trace elements.

Baudisch, O. The importance of trace elements in biologic activity. J. Am. M. Ass., 1943, **123:** 959–66.—**Fresenius, L.** Ueber die Bedeutung der in Mineralwässern in geringen Mengen vorhandenen Stoffe. Balneologe, 1934, **1:** 33–9.—**Harpuder, K.** Ueber die Bedeutung der in den Mineralwässern in geringer Menge vorkommenden Bestandteilen. Zschr. Kurortwiss., 1932–33, **2:** 652.—**Importanza** delle traccie di elementi metallici nelle acque salutifere. Minerva med., Tor., 1941, **32:** Varia, pt 1, 576.—**Piraino, A.** Sull'importanza della radioattività in crenologia; ipotesi sulla genesi e sul significato della presenza del litio e di alcuni microelementi nelle acque minerali. Riv. idroclim., 1942, **53:** 145; 169.

—— Urinary effect.

See also subheading (Diuretic effect)

Baron, P. Le traitement hydro-minéral des pyélonéphrites gravidiques. Sem. hôp. Paris, 1935, **11:** 276–82.—**Boursier, A.** Traitement hydrominéral de la pyélo-néphrite calculeuse. P. verb. Ass. fr. urol., 1919, **19:** 86–90.—**Coronedi, G.** Azione delle acque minerali sull'apparato uropoietico. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 379–418.—**Piquer, A. de.** Aguas minerales y enfermedades del riñón. Rev. san., Madr., 1941, **15:** 281–6.—**Porge, J. F.** Traitement hydrominéral des néphrites chroniques de l'enfance. Centre méd., Moulins, 1948, **54:** 246–55.—**Puech, A.** Les renseignements donnés par l'étude du pH urinaire au cours des cures hydrominérales. Montpellier méd., 1931, **53:** 301–11.

—— Use.

See also subheadings (Diagnostic use; Drinking water; Therapy)

Hays, B. K. The use and abuse of mineral waters. Tr. Tristate M. Ass. Carolinas & Virginia, 1906, **8:** 301–7.—**Le Noir.** Sur l'emploi des eaux minérales prises à la source et dans les établissements thermaux. Bull. Acad. méd., Par., 1937, 3. ser., **117:** 582; 1938, **119:** 406. Also Gaz. hôp., 1938, **111:** 496. Also Presse therm. clim., 1938, **79:** 234. ——— Sur la fabrication de jus de fruits, limonades et sodas au moyen des eaux minérales. Bull. Acad. méd., Par., 1943, **127:** 371.—**Pron, L.** Formulaire des sérums minéraux et glyco-minéraux. Algérie méd., 1936, **40:** 269–78.

—— Vitamin content.

Gaehlinger, H. Vitamines et eaux minérales. Concours méd., 1946, **68:** 476.—**Naumann, A.** Zu der Frage des Vorkommens von Vitamin C in einer Quelle. Balneologe, 1938, **5:** 123.—**Uzan, M.** Vitamines et cures hydrominérales. Médecin chez lui, 1938, **15:** No. 4, 17–9. ——— Vitamine C et eaux minérales alcalines. Bull. Soc. méd. Paris, 1939, 242–6. ——— Nouvelle contribution à l'étude de l'action des eaux minérales sur le métabolisme ascorbique. Presse therm. clim., 1940, **81:** 274–8.

MINERAL waters (and spas)

See also **Balneography; Balneotherapy; Climatotherapy; Health resort.** For general discussion of mineral springs see **Mineral water.**

ALBUM UNIVERSEL DES EAUX MINERALES DES BAINS DE MER ET DES STATIONS D'HIVER. 3. année. 218p. 8° Par., 1864.

KÖHLER, R. J. Allgemeines Heilquellen-Lexikon oder alphabetisches Verzeichniss der bekanntesten Heilquellen, Bade-, Molken- und Kräuter-Kuranstalten der ganzen Erde. 190p. Wien, 1847.

Hellebrandt, F. A., & Houtz, S. J. Spa therapy. Postgrad. M., 1950, **7:** 210–5, illust.—**Humphris, F. H.** The secret of the spas. J. State M., Lond., 1935, **43:** 473–80.—**Kersley, G. D.** Hydrotherapy and spa treatment. In: Textb. Rheum. Dis. (Copeman, W. S. C.) Balt., 1948, 494–500, illust.—**Korczyński, L.** [On mineral waters, local and foreign] Polska gaz. lek., 1927, **6:** 379–82.—**Mañosa, M.** Medicinal spas. Med. Clarion, Manila, 1941, **7:** No. 6, 11; passim.—**Sherlock, A.** Spa treatment. London Hosp. Gaz., 1945, **48:** 132–4.—**Spas** and medicinal waters. Prescriber, Edinb., 1939, **33:** 80.—**Woodmansey, A.** What is the spa? J. Chart. Soc. Physiother., Lond., 1946–47, **32:** 64.

—— Aachen.

See next subheading; also under **Balneography.**

—— Aachen-Burtscheid.

Blankenstein, A. Ueber die Aktivierung der Amylolyse durch Aachen-Burtscheider Thermalwasser. Zschr. ges. phys. Ther., 1931, **41:** 291–302.—**Schloemer, A.** Ueber die Tätigkeit nichtpathogener Bakterien im Thermalwasser zu Bad Aachen und Aachen-Burtscheid. Zschr. Untersuch. Lebensmitt., 1933, **65:** 470; 1936, **71:** 268.

—— Abano.

RAGAZZINI, F. Caratteri fisico-chimici ed applicazioni mediche dell'acqua salso-jodo-bromica; ricavata con nuova processo dalla termale rinomata di Abano; memoria. 16p. 21cm. Padova, 1857. ALSO another edition. 8p. 26cm. Padova, 1857.

Rubaltelli, E. Le terme di Abano. Oriz. med., Roma, 1948, **3:** No. 8, 8.—**Salvagnini, U.** L'acqua termale di Abano. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7.** Congr., 613–27.—**Tarugi, B.** Studio sulla conducibilità elettrica e di calore e sulla crioscopia delle acque e del fango di Abano. Ibid., 888a.

—— Abbach.

See subheading (Bad Abbach)

—— Abensberg.

Graf, J. B. Abensberger Bad; das sogenannte Stinkenwasser bey Abensberg. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1:** 11–23, tab. ——— Klosterbrunnen zu Abensberg. Ibid., 125–8, tab.

—— Acireale.

GRASSI RUSSO, G. Cenno statistico, clinico, e terapeutico degli infermi curati nelle terme di Santa Venera in Acireale dal 1. Maggio a tutto Settembre 1873. 23p. 23½cm. Acireale, 1874.

—— Acquasparta.

COZZI, A. Analisi qualitativa e quantitativa dell'acqua di S. Francesco detta dell'Amerino, presso Acquasparta nell'Umbria. 24p. 21cm. Firenze, 1840.

—— Acqui.

See also **Balneography.**

SCHIVARDI, P. Aix ed Acqui. 26p. 23½cm. Milano, 1870.

—— Guida ai bagni d'Acqui. 112p. 15cm. Milano, 1873.

Moccafighe, A. Alcuni cenni statistici sulle cure fatte ad Acqui nel 1931. Riv. idroclim., 1933, **44:** 347–57.—**Sullo** stabilimento balneario militare d'Acqui nel 1874. Ann. med. pubb., Roma, 1875, Append., 17–21.

—— Africa.

San Román y Rouyer, J. de. La crenoclimatología en la medicina colonial. Med. col., Madr., 1947, **10:** 313–23.—**Trenga, V.** Les sources thermales du Nord de l'Afrique; croyances et traditions populaires musulmanes. Praticien N. Afrique, 1936, **9:** 188–90.

—— Agnano.

Gauthier, V., & Schneer, G. Agnano, Napoli, e le sue acque minerali origine e mineralizzazione. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7.** Congr., 398–418.—**Grimaldi, A.** L'acqua ferruginosa di Agnano e la sua destinazione. Riv. idroclim., 1937, **48:** 339–43.—**Nuzzolillo, L. A.** Le Terme di Agnano. Clin. term., Roma, 1948, **1:** 248–50.—**Schneer, G., & Gauthier, V.** Le stufe du S. Germano ad Agnano, Napoli. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7.** Congr., 418–32.

—— Ai-Ais.

Helman, J. The Ai-Ais hot mineral springs. S. Afr. M. J., 1935, **9:** 755.

—— Airthrey.

FORREST, W. H. Report, chemical and medical, of the Airthrey mineral springs; and a list of phaenogamous plants collected in their vicinity. 137p. 19cm. Stirling, 1831.

—— Aix-en-Provence.

Aix-en-Provence, ville thermale. Provence therm. clim., 1949, **3**: 125.—**Barbier, J., Beurier, F., & Latombe, F.** Action cardio-artérielle des eaux thermales d'Aix-en-Provence. Ibid., 1948, **2**: No. 3, 5–16.—**Station** thermale et climatique d'Aix-les-Bains. Rev. gén. clin. thér., 1937, **51**: Suppl., 1093.

—— Aix-les-Bains.

See also **Balneography.**

AIX-LES-BAINS MÉDICAL. Lyon, v.**1**, No. 2–4, 1936.

JANDET, R. *A propos des hôpitaux thermaux; l'Hôpital thermal Reine-Hortense d'Aix-les-Bains. 41p. 25cm. Aix-les-Bains, 1946.

Bertier, L. Aix-les-Bains: ses nouveaux thermes; ses techniques modernes. Gaz. méd. France, 1937, **44**: No. 9, Suppl., therm., 5–7.—**Blanc, L. G.** Note sur l'utilisation médico-militaire des eaux thermales d'Aix-les-Bains. Bull. internat. Serv. santé, Liége, 1947, **20**: 471–5.—**Caruette & Terray.** De l'élongation du rachis comme complément de la cure thermale d'Aix-les-Bains. Gaz. hôp., 1949, **122**: 43.—**Costanzo.** Sulle Terme d'Aix in Savoia e sui loro effetti osservati nei militari durante la stagione balnearia dell'anno 1851. Gior. med. mil., 1851–52, **1**: 177; passim.—**Du Lac, G.** La place du traitement hydrominéral aixois dans la thérapeutique du rhumatisme chronique progressif infectieux. Presse therm. clim., 1946, **83**: 216–8.—**Enselme, J.** Action des eaux d'Aix-les-Bains sur les oxydations tissulaires. Arch. clin. radiol. thér. rhumat., 1942–43, **5**: No. 25, 56.—**Françon, F.** Le massage d'Aix-les Bains. Nutrition, Par., 1938, **8**: 209–16. ——— Le bain suspendu d'Aix-les-Bains. Rev. argent. reumat., 1942–43, **7**: 231–5. ——— Les boues thermo-végéto-minérales d'Aix-les Bains. Presse therm. clim., 1947, **84**: 18. ——— Les actions pharmacodynamiques des boues thermo-végéto-minérales françaises et plus particulièrement les boues-barégine d'Aix-les-Bains. Gaz. méd. France, 1948, **55**: 279. ——— Les indications et les contre-indications des boues thermo-végéto-minérales d'Aix-les-Bains. Lyon méd., 1948, **179**: 153–6. ——— **Traverse, P. M., de, & Deprétaire, R.** Ascorburie, rhumatismes chroniques et cure hydrominérale d'Aix-les-Bains. Presse therm. clim., 1946, **83**: 98–101. ——— Ascorburie provoquée, rhumatismes chroniques dégénératifs et cure hydrominérale d'Aix-les-Bains. Ibid., 1948, **85**: 168–71.—**Huber, J. P.** Indications de la cure d'Aix-les-Bains-Marlioz dans les affections des voies respiratoires. Gaz. hôp., 1947, **120**: 299.—**Joly, L.** Le traitement par piscines thermales à Aix-les-Bains. Presse therm. clim., 1949, **86**: 160–3.—**Kisch, E. H.** Aix-les-Bains. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1907, **1**: 259.—**Moret, L., & Schneider, G.** Le problème de l'origine des sources thermominérales d'Aix-les-Bains (Savoie) Ann. Inst. hydr., Par., 1933–34, **9**: 192–206.—**Rozier, M.** Le bouillon dans le traitement hydrominéral d'Aix-les-Bains; ses indications. Presse therm. clim., 1947, **84**: 34. ——— La place du traitement hydro-minéral d'Aix dans la thérapeutique du rhumatisme psoriasique. Ibid., 216. ——— Les indications de la cure hydro-minérale d'Aix-les-Bains. Rev. gén. méd. chir. Union fr., Alger, 1948, **25**: 905–10. Also J. méd. Lyon, 1949, **30**: 363–5.

—— Akayu-Tanaka.

Arii, K., & Nagasawa, S. Tōhoku-tihō no onsen no tikyū-kagaku-teki kenkyū; Akayu-Tanaka onsen-gun ni tuite [Geochemical studies of hot-springs in the Tōhoku (Northeast Japan) districts; the Akayu-Tanaka group of mineral springs] Nippon kagaku zassi, 1949, **70**: 99–101.

—— Akiu.

Nagasawa, S., & Arii, K. Tōhoku-tihō no onsen no tikyū-kagaku-teki kenkyū; Akiu-onsen-gun ni tuite [Geochemical studies on mineral springs in Tōhoku districts: on the springs in the Akiu group] Nippon kagaku zassi, 1949, **70**: 216–20.

—— Ak-Su (Kirghizia)

Ak-Su. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 186.

—— Albany.

Meade, W. Account of the new mineral spring at Albany, with an analysis and remarks. Am. J. Sc., 1828, **13**: 145–58.

—— Alcalá de los Gazules.

Segovia García, F., & Segovia Moreno, R. Estudio químico de las aguas sulfurosas de Alcalá de los Gazules (Cádiz) Hispalis med., 1945, **2**: 17.

—— Alemdar-Köy.

Ligor, U., Reat [et al.] Les eaux de la région d'Alemdar-Köy (Turquie d'Asie) Ann. Inst. hydr., Par., 1935, **10**: 208–36.

—— Algeria.

See also **Balneography.**

Fournier, G. Généralités sur les cures thermales en Algérie. Bull. san. Algérie, 1940, **35**: 515–8.—**Lacroix, A., Fournier & Antoine, G.** L'avenir du thermalisme social en Algérie. Cah. méd., Alger, 1947, **2**: 765–74.—**Lasnet.** Sur un projet de réglementation des stations hydrominérales en Algérie. Presse therm. clim., 1936, **77**: 464.—**Peyrot.** Note succincte sur la situation des stations hydrominérales de l'Algérie. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 517–22.—**Stations** (Les) thermo-minérales de l'Algérie. Presse therm. clim., 1947, **84**: 52–4.

—— Allevard (Isère)

NIÈPCE, B. Eau sulfureuse et iodée d'Allevard (Isère) les salles d'inhalation gazeuse; traitement dans les maladies de la poitrine, de la peau et du système lymphatique. 4. éd. 100p. 21cm. Par., 1874.

—— Altheide.

See subheading (Bad Altheide)

—— Altwasser (bei Waldenburg, Silesia)

SEIFERT, K. *Schicksal und Ende des Bades Altwasser in Schlesien, ein Beitrag zur Lehre von den Beziehungen zwischen Heilquellen und Bergbau. 28p. 21cm. Brieg-Bresl., 1937.

—— Alvoco da Serra.

Agua (A) de Alvoco da Serra, de grandes qualidades terapêuticas, carece de ser explorada para bem da saúde do povo. Natura, Lisb., 1946–47, **4**: No. 48, 15.

—— Amélie-les-Bains.

Le Noir. Sur une demande d'autorisation d'exploitation de la source La Rénale située à Amélie-les-Bains, Pyrénées-Orientales. Bull. Acad. méd., Par., 1941, 3. sér., **124**: 414–7.

—— Angarano.

RAGAZZINI, F. Analisi chimica dell'acqua solforoso-salina jodurata fredda di S. Giorgio in Angarano, commune di Bassano, provincia di Vicenza. 43p. 21cm. Bassano [c. 1850]

—— Angiolo.

GIUNTINI, D., BUONAMICI, E., & POSSENTI, G. B. Analisi chimica dell'acqua minerale dell'Angiolo. 50p. 23cm. Fir., 1860.

—— Angola.

Narciso, A. Nascente da Jomba; água mineral de Angola. Clín. hig. & hidr., Lisb., 1940, **6**: 162.

—— Anticoli.

See subheading (Fiuggi)

—— Aomori.

Matunaga, H., & Imaoka, M. Aomori-ken san-tō-onsen no igaku-teki kenkyu; san-tō-onsen oyobi sono kaki kikō yōso ni tuite [Medical studies on the acid hotsprings in Aomori Prefecture; acid hotsprings and their climatic factors during the summer-time] Tōhoku igaku zassi, 1942, **31**: 274–90. ——— Aomori-ken san-tō onsen rinsyō syo-siken no sōkatu-teki kansatu narabi-ni tōzi kinki-syō oyobi tō-tyū risyō ni tuite [General observations on the clinical examination of the acid hotsprings of Aomori Prefecture, and contraindications to hotspring treatment and contraction of disease in the hotsprings] Ibid., 291–7.

—— Aono-yama.

Matuura, S., & Hirata, M. Tyūgoku-tihō no onsen no kagaku-teki kenkyū; Simane-ken Aono-yama hukin no kōsen [Chemical investigations of hotsprings in the Tyūgoku district (Central Japan); the spring near Mt. Aono in Simane Prefecture] Nippon kagaku zassi, 1949, **70**: 62.

—— Apollinaris spring.

See subheading (Heppingen)

—— Araxá (Minas Gerais)

See also **Balneography,** Minas Geraes.

Colombo. A. Crenoterapía em Araxá. Rev. brasil. med., 1949, **6**: 270–2.—**Dutra de Oliveira, J.** Acção pharmaco-

dynamica da agua do Araxá sobre o intestino. São Paulo méd., 1936–37, **9**: 85–8. ——— Araxá e prata sob o ponto de vista terapeutico. Rev. clin. S. Paulo, 1941, **9**: 130–6.—**Ferreira de Andrade Junior, J.** Radioactividade das fontes mineraes do Araxá; occorrencia da emanação do thorio na emergencia da fonte radioactiva. Ann. Acad. brasil. sc., 1936, **8**: 61–74.—**Florencio, W.** Nova fonte radioativa do Barreiro; Araxá, Minas. Ibid., 1947, **19**: 315–9.—**Magalhães, M.** As aguas mineraes de Araxá. Ann. paul. med. cir., 1931, **22**: 411; passim.—**Mello, F. de.** Historico, informações e virtudes terapeuticas das aguas terinaes de Barreiro-Araxá. Caz. clín., S. Paulo, 1936, **34**: 163.—**Moura Campos, C. de, Moura Campos, F. de** [et al.] Acção do sal do Araxá sobre a glycemia. São Paulo méd., 1928–29, **1**: 143–82.

—— Argentina.

Ayarragaray, L. Estaciones hidrominerales y climatéricas argentinas. In: Gran guía méd. sudamer., B. Air., 1929, 119.—**Herrero Ducloux, E.** Problemas de las aguas minerales argentinas. Conf. Inst. perfec. méd. quir., B. Air. (1944) 1945, 427–35.—**Pisarro, I.** Estudio fármaco-dinámico de las aguas minerales argentinas. Rev. sudamer. endocr., B. Air., 1937, **20**: 439; 501.—**Torres, F. R.** Termas argentinas; su climatoterapia y crenoterapia. Prensa méd. argent., 1941, **28**: pt 1, 1376–81. ——— Termas argentinas; su crenoclimatoterapia. Sem. méd., B. Air., 1894–1944, tomo cincuentenario, 343–5. **Also** Rev. san. mil., B. Air., 1945, **44**: 120–3.

—— Ariège (France)

Brajnikov, B. Contribution à l'étude hydrogéologique des Pyrénées ariègeoises. Ann. Inst. hydr., Par., 1936–37, **11**: 249–82.

—— Arima.

Ikeda, N. Arima onsen no bunpu oyobi Ariake-yu ni kansuru iti kōsatu [Distribution of the hotsprings in Arima, and observations on the Ariake Hotspring (the hottest spring in the region)] Nippon kagaku zassi, 1949, **70**: 328.

—— Armajolo.

Targioni-Tozzetti, A. Le acque minerali e termali di Armajolo nella Provincia Senese e loro chimica analisi. 40p. 21cm. Siena, 1843.

—— Asia.

See also other subheadings.

Riemens, H. The Hot Springs Conference and agriculture in Southeast Asia. In: Science & Scientists Neth. Indies, N. Y., 1945, 283–5.

—— Asolo.

Pisanello, P. Analisi chimica dell'acqua minerale ferruginosa di fonte distretto di Asolo, provincia di Treviso. 30p. 21cm. Venez., 1855.

—— Austria.

Sigmund, C. L. von Ilanor. Südliche klimatische Curorte mit Einschluss der Uebergangsstationen; Beobachtungen und Rathschläge aus eigener Anschauung. 3. Aufl. 384p. 19½cm. Wien, 1875.

Balloczo, H. Oesterreichs Heilbäder; Mineralquellen. In: Konsilium, Wien, 1948, 989–99.—**Cauer, H.** Die Jodwässer des Landes Oesterreich. Balneologe, 1938, **5**: 289–94.—**Lieber, G.** Die Mineralquellen von Ladis und Obladis. Ber. Naturwiss. med. Verein. Innsbruck, 1929–31, **42**: 57–74.—**Mache, H., & Meyer, S.** Ueber die Radioaktivität oesterreichischer Thermen. C. rend. Congr. internat. radiol. ionis. (1905) 1906, 1. Congr., sect. phys., Germ. pt, 18–36.—**Maliwa, E.** Die balneotherapeutischen Möglichkeiten Oesterreichs. Münch. med. Wschr., 1938, **85**: 861. ——— Zur Charakteristik der ostmärkischen Heilquellen und Klimakurorte. Med. Welt, 1939, **13**: 605–7.—**Trauner, L.** Die Heilquellen der Untersteiermark. Balneologe, 1942, **9**: 210–5.

—— Auvergne.

Wahba, T. *Les eaux minérales d'Auvergne [Strasbourg] 87p. 23½cm. Clermont-Ferrand, 1941.

—— Avesnes.

Garez, P. E. *Contribution à l'étude chimique et hydrogéologique des eaux souterraines de l'Avesnois; terrains primaires ou paléozoïques [Pharm.] 153p. 24½cm. Lille, 1935.

—— Ax-les-Thermes.

See also **Balneography.**

Paris, France. Institut d'hydrologie et de climatologie. Analyse des eaux minérales d'Ax-les-Thermes (Ariège) p.1–64. 24cm. Par., 1947.

In: Ann. Inst. hydr., Par., 1947, **18**:

Auphan, V. Les eaux d'Ax et leurs applications thérapeutiques. J. méd. Toulouse, 1865, 4. ser., **4**: 188–90.—**Blanc, P., & Maugen, C.** Sur la valeur du rapport K/Na dans les eaux sulfurées sodiques d'Ax-les-Thermes. Bull. sc. pharm., Par., 1941, **48**: 143–5.—**Bonafous.** Emploi des eaux sulfureuses d'Ax-les-Thermes en injections sous-cutanées; résultats obtenus dans les dermatoses. Presse therm. clim., 1939, **80**: 499.—**Brustier, V.** Recherches spectrographiques sur les eaux sulfurées d'Ax-les-Thermes. Bull. Soc. chir. France, 1937, 5. ser., **4**: 1965–7. ——— **Valdiguié, P., & García-Fernández, H.** Sur la présence de soufre libre dans les eaux sulfurées sodiques d'Ax-les-Thermes. Bull. Acad. nat. méd., 1948, **132**: 425–8.—**Caujolle, F.** Recherches sur la sulfuration des eaux d'Ax-les-Thermes. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 313–5. ——— L'utilisation parentérale des eaux sulfureuses d'Ax-les-Thermes. Bull. Acad. méd., Par., 1943, **127**: 451–3.—**Girard, I.** Contribution à l'étude de l'action biologique des eaux minérales; action de neuf sources minérales d'Ax-les-Thermes sur la germination et le développement des graines. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 383–9.

—— Axocopan (Mexico)

Bibiano Carrasco, J. Las aguas de Axocopan. Rev. méd., Puebla, 1934, **6**: No. 47, 18–20.

—— Bad Abbach.

Graf, J. B. Abacher Bad in Unterbaiern. In his Vers. pragm. Cesch. &c. Mineralwäss., Münch., 1805, **1**: 95–109, tab.

—— Bad Altheide.

Dungern, M. v. Die Wirkung eines künstlich hergestellten Altheider Sprudels im Vergleich zum natürlichen auf Diurese und Harn-pH. Balneologe, 1939, **6**: 120–5. ——— **& Pawelitzki, L.** Die entgiftende Wirkung des natürlichen Altheider Sprudels im Cegensatz zu seiner künstlichen Nachahmung. Ibid., 295.—**Lendel, E.** Die Einwirkung von Hausbrunnenkuren mit dem Altheider Arsen-Eisenwasser auf die interferometrischen Abbaubilder der Drüsen mit innerer Sekretion. Zschr. Kurortwiss., 1932–33, **2**: 44–55.

—— Bad Brambach.

See also **Balneography.**

Aeckerlein, G. Radioaktive Quellenforschung in Bad Brambach. In: Ber. Internat. ärztl. Fortbild., Brambach, 1935, 1. Kurs, 98–103.—**Peterson, F.** Die verschiedenen Arten und Heilwirkungen der Brambacher Kurmittel. Schr. Akad. ärztl. Fortbild. Dresden, 1939, **1**: 95–7.—**Stohmann, A.** Brambach und seine radioaktiven Wässer. Pharm. Zhalle, 1913, **54**: 671–6.

—— Bad Cannstatt.

Camerer, W. *Die neuerbohrte Cannstatter Mineralquelle; Untersuchung ihrer physiologischen Wirkung. 29p. 8° Tüb., 1934.

Mayer. Bad Cannstatts (Stuttgart) Heilquellen. Deut. med. Wschr., 1936, **62**: 1103.

—— Bad Charlottenbrunn.

Luniatschek, V. Diureseversuche mit der Charlottenbrunner Neuen Quelle. Balneologe, 1937, **4**: 368–74.

—— Bad Dürkheim.

See also **Balneography.**

Helbig. Das Quellenrätsel in Dürkheim. Pharm. Zhalle, 1912, **53**: 889–92.—**Schneider, A.** Bildung von Schwefelarsen im Wasser der Dürkheimer Maxquelle. Ibid., 1147.

—— Bad Dürrenberg.

Cauer, H., & Cauer, G. Die Cradierhausluft von Bad Dürrenberg; chemischer Stoffwechsel der Soleexhalationen und seine bioklimatische Bedeutung. Balneologe, 1943, **10**: 1–12

—— Bad Eilsen.

Weiss, L. R. Die Heilschätze von Bad Eilsen, Indikationen und persönliche Erfahrungen. Hippokrates, Stuttg., 1936, **7**: 917–22.

—— Bad Ems.

Vogler, H. Ems; ses environs et ses eaux; ou, guide pratique du malade. 208p. 18½cm. Ems, 1859.

Diener, I. Heilmittel und Indikationen des Bades Ems. Wien. med. Wschr., 1939, **89**: 267–9.—**Husmann.** Ueber Vorgänge in Faulräumen von Emscherbrunnen. Gesundh. Ingenieur, 1935, **58**: 739.—**Liebmann, H.** Die Ciliatenfauna der Emscherbrunnen. Zschr. Hyg., 1936, **118**: 555–73.

—— Baden (Switzerland)

See also **Balneography.**

Büchel, H. *Ueber die Nachbehandlung von Unfallverletzungen in der Bäderheilstätte Quellenhoff der Schweizerischen Unfallversicherungsanstalt in Baden [Zürich] 71p. 23cm. Bern, 1935.

Dorer, F. S. Wirkungen des natürlich warmen Mineral-Bades zu Baden im Kanton Argau. 46p. 19cm. Baden, 1806.

Fricker, B. Illustrirter Fremden-Führer für die Stadt und Bäder zu Baden in der Schweiz. 96p. 15½cm. Baden, 1874.

—— Geschichte der Stadt und Bäder zu Baden. 697p. 20½cm. Aarau, 1880.

Minnich, J. A. Baden in der Schweiz und seine warmen Heilquellen in medizinischer, naturhistorischer und geschichtlicher Hinsicht. 316p. 19½cm. Baden, 1844. Also 2. Aufl. 258p. 22½cm. Baden, 1871.

—— [The same] Baden en Suisse et ses sources minérales chaudes au point de vue de la médecine, de l'histoire naturelle et de la topographie. 264p. 21½cm. Baden, 1872.

Mousson, A. Geologische Skizze der Umgebungen von Baden im Canton Aargau. 122p. 21½cm. Zür., 1840.

Münzel, U. Die Thermen von Baden; eine balneologische Monographie. 299p. 24cm. Baden, 1947.

Alphabetisch geordnetes Litteratur- und Quellenverzeichniss zur Geschichte der Stadt und Bäder zu Baden. In: Gesch. Stadt & Bäder zu Baden (Fricker, B.) Aarau, 1880, 666–83.—**Engerand, F.** Bade, en Suisse. In his Amusem. d. villes d'eaux, Par., 1936, 190–9.—**Fricker, B.** Die warmen Heilquellen. In Gesch. Stadt & Bäder zu Baden, Aarau, 1880, 378–89. ——— Geschichte der Badhöfe und der Thermen. Ibid., 389–404. ——— Verenalegende, Verenaquelle, Armenbad. Ibid., 404–19.—**Geologie** (Die) von Baden bei Zürich. Praxis, Bern, 1943, **32**: 381.—**Legler, F.** Zur Algenflora des Badener Schwefelschlamms. Balneologe, 1941, **8**: 161–5.—**Wydler, W.** Der Kohlensäuregehalt der Badener Thermalquellen. Schweiz. med. Wschr., 1937, **67**: 695.

—— Baden-Baden (Germany)

See also Balneography.

Baden-Baden und seine Kurmittel. 216p. 24cm. Baden-Baden, 1886.

Rössler, O. Baden-Baden als Heilbad. 152p. 8° Baden-Baden, 1936.

Haehner, R. Untersuchungen über die Wirkungen der Trinkkur mit Baden-Badener Thermalwasser unter besonderer Berücksichtigung des Einflusses auf den Magen- und Darmkanal. Balneologe, 1937, **4**: 410–8.

—— Baden bei Wien.

See also **Balneography.**

Kosmath, W. Das Luftradon und die vertikale Luftradonverteilung in den Bassinbädern der Badekuranstalt Mariazellerhof im Heilbad Baden bei Wien. Balneologe, 1942, **9**: 92–8.—**Meyer, O.** Aquae pannonicae, Baden bei Wien. Wien. med. Wschr., 1939, **89**: 284–6.

—— Bad Friedrichshall.

Kukowka, A. Friedrichshaller Bitterwasser. In his Heilquell. Thüring., Rudolstadt, 1948, 41–4.

—— Bad Gastein.

See also **Balneography.**

Gerke, O. Gasteiner Badebüchlein; eine historische-medizinische Studie. 162p. 16° Wien, 1936.

Windischbauer, A. Die natürlichen Heilkräfte von Bad Gastein. 116p. 21½cm. Wien, 1948.

Zimmermann, O. E. Bad Hofgastein; ein medizinischer Berater. 64p. 20½cm. Wien, 1947.

Ballczo, H. Das Fluorvorkommen in Trink- und Thermalwässern des Gasteiner Tales und seine Bedeutung. Zschr. phys. Ther., Wien, 1949, **2**: 136–8.—**Bukatsch, F.** Ueber den Einfluss der natürlichen Radioaktivität des Gasteiner Thermalwassers auf den Herzschlag der Daphnien. Radiologica, Berl., 1938, **3**: 55–64. ——— Ueber die Wirkung der natürlichen Radioaktivität der Gasteiner Quellen auf Wundbakterien. Balneologe, 1939, **6**: 15–24.—**Daissky, A.** Spirometrische Studien über die äussere und innere Einwirkung der Gasteiner Thermen. Ibid., 1943, **10**: 197–208.—**Exner, R.** Ueber die Nachwirkung der Gasteiner Kur. Ibid., 1941, **8**: 37–48.—**Gerke, O.** Neue Forschungserkenntniss über Gastein. Wien. klin. Wschr., 1939, **52**: 278–81.—**Glaser, E., Haempel, O., & Ranftl, F.** Ein brauchbarer Test zur pharmakologischen Beurteilung bestimmter Mineralwässer, zugleich ein Beitrag zur Erklärung der Heilwirkung der Gasteiner Quellen. Arch. exp. Path., Lpz., 1938, **190**: 713–8.—**Haempel, O.** Ein Beitrag zur Erklärung der Heilwirkung der Gasteiner Quellen. Forsch. & Fortsch., 1939, **15**: 213.—**Kirsch, G.** Vorläufige Mitteilung über quellchemische Untersuchung der Gasteiner Thermen. Balneologe, 1939, **6**: 437–9.—**Kisch, E. H.** Gastein. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **5**: 349.—**Loebel, R.** Wie wirkt Gastein? Ars medici, Wien, 1933, **23**: 322.—**Scheminzky, F.** Forschungsinstitut Gastein. Wien. med. Wschr., 1937, **87**: 916–8. ——— Das Arbeitsjahr 1937 im Forschungsinstitut Gastein. Ibid.. 1938, **88**: 1121–4.—**Schiller, J.** Kulturversuche mit niederen und höheren Pflanzen im radioaktiven Gasteiner Thermalwasser. Biol. gen., Wien, 1935, **11**: 2. T., 71–86.—**Steiner, M.** Biologische Versuche mit Wildbader Thermalwasser [Discussion] Hippokrates, Stuttg., 1938, **9**: 918–20.—**Thaler, A.** Wildbad Gastein und seine natürlichen Kurmittel. Münch. med. Wschr., 1938, **85**: 868–70.—**Windischbauer, A.** Curie und das Wildbad Gastein. Zschr. phys. Ther., Wien, 1949, **2**: 106–12. ——— Zur Gasteiner Kur. Wien. med. Wschr., 1950, **100**: 169.—**Zimmermann, O. E.** Die Besonderheiten eines Kurgebrauches in Badgastein und Bad Hofgastein. Ibid., 1938, **88**: 605–7. ——— Neuere therapeutische Betrachtungen zu den Gasteiner Kuren. Ibid., 675. ——— Neues und Altes von den Gasteiner Bädern. Ibid., 1940, **90**: 308–10. ——— Aus der Werkstatt eines Gasteiner Badearztes. Ibid., 1943, **93**: 501–5. ——— Ueber die Altersgrenze bei Gasteiner Badekuren. Ibid., 1946, **96**: 167–9.

—— Bad Gleichenberg (Austria)

Blumauer, F. Bad Gleichenberg. Münch. med. Wschr., 1938, **85**: 862–4.—**Ensbruner, G., jr.** Die Heilfaktoren und der Indikationsbereich von Heilbad Gleichenberg. Wien. klin. Wschr., 1939, **52**: 276–8.—**Kisch, E. H.** Gleichenberg. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **5**: 852.—**Szaboky, J.** Ueber den therapeutischen Wert des Gleichenberger Klimas. Med. Klin., Berl., 1940, **36**: 681. ——— Die Wirkung alkalisch-muriatischer, insbesondere der Gleichenberger Quellen. Wien. med. Wschr., 1940, **90**: 842.

—— Bad Hall.

See also **Balneography.**

Crippa, J. Bad Hall. Med. Welt, 1938, **12**: 1185.—**Glaser, E., & Ranftl, F.** Die entgiftende Wirkung der Tassiloquelle in Bad Hall. Wien. klin. Wschr., 1939, **52**: 281–3.—**Kaiser, G.** Solbad Hall in Tirol, der jüngste Kurort Grossdeutschlands. Wien. med. Wschr., 1939, **89**: 511–3.—**Porsche, F.** Die Jod-Brom-Heilquellen in Bad Hall. Münch. med. Wschr., 1938, **85**: 1112–4. Also Wien. med. Wschr., 1938, **88**: 875–8.

—— Bad Hersfeld.

Buhlan, H. *Tierexperimentelle Untersuchungen über die blutzuckersenkende Wirkung des Hersfelder Lullusbrunnens. 16p. 8° Marb., 1935.

Ronge. Lullus- und Linggbrunnen zu Haustrinkkuren. Med. Welt, 1934, **8**: 385.

—— Bad Homburg.

See also **Balneography.**

Söll, A. *Klinisch-experimentelle Untersuchungen mit den Kurmitteln Bad Homburgs (Tonschlann und Elizabethenbrunnen) [Frankfurt] 34p. 21cm. Würzb., 1938.

Homburg. In: Bolsh. med. encikl., 1929, **7**: 650.—**Kisch, E. H.** Homburg. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1909, **6**: 598.—**Lampert, H.** Klinische und histologische. Untersuchungen mit den Kurmitteln Bad Homburgs. Deut med. Wschr., 1937, **63**: 1372.

—— Bad Kissingen.

See also **Balneography.**

Bohrisch. Kissingen und seine Umgebung; botanische Plauderei. Pharm. Zhalle, 1924, **65:** 543–9.—**Dapper-Saalfels, C. v.** Zum 200jährigen Geburtstag des Kissinger Rakoczy-Brunnen. Deut. med. Wschr., 1936, **62:** 975.—**Löffler.** Bad Kissingen als Heilbad. Wien. med. Wschr., 1939, **89:** 282–4.—**Wedekind, C. H.** Ueber Wirkung und Indikation der Kissinger Kochsalzquellen Rákoczy und Pandur. Hippokrates, Stuttg., 1943, **14:** 358.

—— Bad Kreuznach.

Engelmann, C. The waters of Kreuznach; a work for general readers. 2. ed. 163p. 18cm. Lond., 1865.

Aschoff, K. Die Wirkung der Bad Kreuznacher Heilquellen im Spiegel von 100 Jahren. Balneologe, 1942, **9:** 284–7.—**Gz., R.** Die Radioaktivität der Kreuznacher Quellen und ihre therapeutische Verwendung. Pharm. Zhalle, 1911, **52:** 1149–54.

—— Bad Mergentheim.

Bofinger, A. Die Heilkraft natürlicher Mineralquellen mit besonderer Berücksichtigung der Mergentheimer kochsalzhaltigen Bitterwässer. Hippokrates, Stuttg., 1937, **8:** 49–57.—**Ketterer.** Pharmakologie und Indikationsbereich der Mergentheimer Karlsquelle. Ibid., 1939, **10:** 583.

—— Bad Nauheim.

See also **Balneography.**

Ameely, L. Anwendung von Emanationsmessungen zur Mutung von Heilquellen; Untersuchungen am Taunusrand im Bad Nauheimer Quellbezirk. Balneologe, 1938, **5:** 385–96.—**Forst, W.** Die Prüfung der Bad-Nauheimer Quellgase auf Kohlenwasserstoffe. Ibid., 1936, **3:** 171–3.—**Kisch, E. H.** Nauheim. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, **10:** 427.—**Lueg, W.** A assistência social em Bad Nauheim. Clín. hig. & hidr., Lisb., 1940, **6:** 338.—**Müller, W.** Quellenbeobachtung in Bad Nauheim. Balneologe, 1943, **10:** 169–79.—**Weber, A.** From the Deutsche Kurheim at Bad-Nauheim. Sc. Commun. Balneol. Inst. Bad-Nauheim, 1938, No. 5, 10–4.

—— Bad Nenndorf.

Kisch, E. H. Nenndorf. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1911, **10:** 447.

—— Bad Peterstal.

Remy, E. Ueber die Beziehungen der chemischen Zusammensetzung der Mineralquellen des Kurhauses Bad-Peterstal (Schwarzwald) zu ihrer Heilwirkung. Med. Welt, 1936, **10:** Ausg., 38–40.

—— Bad Pyrmont.

See also **Balneography.**

Menke, K. T. Pÿrmont und seine Umgebungen, mit besonderer Hinsicht auf seine Mineralquellen. 307p. 21cm. Pÿrmont, 1818.

Brüning, H. Bad Pyrmont und sein Kurleben vor 150 Jahren. Med. Welt, 1940, **14:** 430–3.—**Reichel.** Der Einfluss der kohlensäurehaltigen Stahlquellen des Bades Pyrmont auf Diurese und Wasserbilanz des Menschen. Ibid., 1937, **11:** 549.—**Schofield, M.** The Pyrmont Spring. Pharm. J., Lond., 1945, **100:** 231.—**Schücking, A.** Heilwirkungen Bad Pyrmont's. Hippokrates, Stuttg., 1939, **10:** 578–80.—**Slare, F.** A short account of the nature and vertues of the Pyrmont waters; with some observations upon their chalybeat quality. Philos. Tr., Lond., 1717–19, **30:** 564–70.

—— Bad Wildungen.

See also **Balneography.**

Kniebe, W. *Bad Wildungen, eine kurortklimatische Studie. 33p. 8°. Marb., 1934.

Stoecker, A. Wildungen et ses eaux minérales; aperçu sur leur efficacité et leurs vertus curatives dans les maladies des voies urinaires. 36p. 18½cm. Par., 1876.

Kestermann, E. Wirkungsweise und Indikationen der Wildunger Quellen. Zschr. Urol., 1937, **31:** 234–43. —— & **Balthasar, G.** Stoffwechseluntersuchungen bei Trinkkuren mit Wildunger Helenenquelle. Balneologe, 1938, **5:** 523–5.

—— Bafureira (Portugal)

Contreiras, A. Estudo terapêutico da água da Mina de S. José (Bafureira) Clín. hig. & hidr., Lisb., 1939, **5:** 199–201.—**Oliveira Luzes.** Uma nova água medicinal. Ibid., 197.

—— Bagnères-de-Bigorre.

Naboulet, P. J. M. S. *Cures de quelques visiteurs de marque ã Bagnères-de-Bigorre au XVII^e siècle. 71p. 25cm. Bord., 1934.

Duprat, F. Bagnères-de-Bigorre (Hautes-Pyrénées) station sulfatée calcique de demi-altitude (550 m.) désintoxication, sédation, station d'enfants. Gaz. méd. France, 1948, **55:** 412.—**Kisch, E. H.** Bagnères de Bigorre. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1907, **2:** 246.

—— Bagnères-de-Luchon.

See subheading (Luchon)

—— Bagni della Porretta.

See subheading (Porretta Terme)

—— Bagni di Casciana.

Belluzzi, C. Dei bagni di Casciana. 6p. 21cm. Bologna, 1879.

Carlucci, C., & Balestra, P. Acqua Marcia; relazione chimico-igienica. 47p. 23cm. Rocca S. Casciano, 1876.

Chiari, P. Memorie e riflessioni sopra i bagni di Casciana nelle Colline Pisane. 4. ed. 250p. 18cm. Prato, 1887.

Gherardi, F. Stabilimento termo-minerale di Casciana; statistica delle malattie osservate nel biennio 1886–87 ed analisi dei resultati curativi. 107p. 24cm. Pisa, 1888.

Minati, C. Sui bagni di Casciana. 14p. 21½cm. Milano, 1888.

Tassinari, P., & Orosi, G. Delle acque termali di Casciana; cenni storici e relazione d'analisi chimica. 55p. 23cm. Firenze, 1872.

Targioni-Tozzetti, A. Analisi chimica delle acque minerali e termali dei Bagni d'Aqui, altrimenti detti di Casciana nelle colline Pisane. Gazz. toscana sc. med. fis., 1849, **7:** 89–94.

—— Bagni di Lucca.

Scalabrino, D. L'azione delle acque di Bagni di Lucca sulla resistenza globulare in vitro. Riv. idroclim., 1939, **50:** 55.

—— Bagni di Rabbi.

Rabbi [Trentino] Guida alle acque acidule-salino-ferruginose di Rabbi nel Trentino. 2. ed. 23p. 20½cm. Trento, 1875.

Ragazzini F. Analisi chimica dell' acqua acidula-salino-ferruginosa della Valle di Rabbi. nel Tirolo italiano. 46p. 21cm. Padova, 1836.

Bussi, A. Climatoterapia e crenoterapia della stazione climaticotermale di Rabbi nel Trentino. Forze san., Roma, 1933, **2:** 2186; 2245.

—— Bagno di Romagna.

Bussi, A. Alcune ricerche sul potere diuretico dell'acqua di S. Agnese e dell'acqua del Chiarodovo, sorgenti minerali di Bagno di Romagna, ed il loro impiego in taluni disturbi da alterato metabolismo dell'acqua, secondario a talune affezioni epatiche. Gazz. osp., 1938, **59:** 866–9. —— L'acqua del Chiarodovo a Bagno di Romagna e le sue indicazioni terapeutiche. Ibid., 1071–5.

—— Bagnoles-de-l'Orne.

Legroux, R. Les indications de la cure thermale de Bagnoles-de-l'Orne. Rev. gén. méd. chir. Union fr., Alger, 1949, **26:** 1465–70.

—— Bagnoli.

Stabilimento balneario di Fiorillo e De Pierno delle acque termo-minerali dè Bagnoli. Filiatre sebezio, Nap., 1831, **3:** 335.—**Tricarico, G.** Sulla necessità di riordinamento di alcune stazioni di cura partenopee; le Terme di Bagnoli. Clin. term., Roma, 1948, **1:** 235–8.

—— Baile Herculane.

See subheading (Herkulesfürdő)

—— Bains-les-Bains.

See also **Balneography.**

Monal, L. *Etude physico-chimique sur les eaux thermales de Bains-Les-Bains [Pharm.] 216p. 25cm. Nancy, 1936.

Bord, B. Le passé de Bains-les-Bains. Aesculape, Par., 1939, **29**: 98–103.—**Henry.** La station des maladies des artères Bains-les-Bains (Vosges) Rev. méd. Nancy, 1947, **72**: 41–8.—**Holvec.** Bains-les-Bains, station des artériels. Presse therm. clim., 1939, **80**: 37–42.

—— Balatonfüred.

Kisch, E. H. Füred. In: Realencyl. d. ges. Heilk., 4. Aufl., Berl., 1908, **5**: 225.

—— Barbazan.

Amouroux, R., Delas, R., & Mufti, N. Action des eaux sulfatées calciques et magnésiennes de Barbazan sur l'axotémie, l'uricémie, la glycémie et la cholestérolémie. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 435–9.—**Villaret, M., Justin-Besançon, L.** [et al.] Recherches de pharmacodynamie hydrominérale concernant l'action d'une eau sulfatée calcique (Barbazan) sur l'intestin isolé du lapin. Presse therm. clim., 1937, **78**: 449–54.

—— Baré (Cameroons)

Peirier. Contribution à l'étude de la source minérale de Baré. Ann. méd. pharm. col., Par., 1930, **28**: 185–201.

—— Barèges.

See also **Balneography.**

Teynie, J. *Contribution à l'étude climatologique de Barèges. 139p. 25cm. Bord., 1934.

[Boudet, F.] Análisis de las aguas sulfurosas de Barèges. Diar. gen. cienc. méd., 1832, **8**: 267.—**Massy, R.** Analyse des eaux de Barèges et de la barégine par l'apothicaire-major Montaut en 1770. Rev. hist. pharm., Par., 1947, **35**: 186–91.—**Valaxt & Dufrenoy, J.** Action des eaux thermales de Barèges sur la croissance de certains végétaux supérieurs. J. méd. Bordeaux, 1937, **114**: 805–7. ——— Effets des eaux sulfurées sodiques de Barèges sur la croissance des plantes vertes. Presse therm. clim., 1938, **79**: 15.—**Wasser** zu Barege (1686) In: Aerzte & Kurpfuscher (Buchner, E.) Münch., 1922, 226 (Marg. No. 278)

—— Barreiro-Araxá.

See subheading (Araxá)

—— Barzun (près Barèges)

Fourment, P. La station thermale de Barzun, près Barèges, Hautes-Pyrénées. J. méd. Bordeaux, 1939, **116**: pt 2, 325; 1940, **117**: 257; 294.

—— Basno.

Neviani, A. Un errore di L. F. Marsili sul l'Acqua ardens di Basno. Riv. stor. sc. med., 1933, **24**: 2–7.

—— Batalha.

Almeida, A. de. As Aguas das Brancas e a arqueologia da região da Batalha. Clín. hig. & hidr., Lisb., 1942, **8**: 103–18.

—— Batavia.

Flu, P. C. Onderzoekingen over te Batavia bereide koolzuurhoudende dranken. Geneesk. tschr. Ned. Indië, 1920, **60**: 653–82, tab.

—— Bath (England)

Chapman, H. Thermae redivivae: The city of Bath described. Repr. from 1673 ed. p.405–30. 20cm. Lond., 1724.

In: Collect. Treat. City of Bath (Guidott, T.) Lond., 1725.

Guidott, T. A century of observations: Containing further discoveries of the nature of the hot-waters at Bath. 2. ed. p.145–75. 20cm. Lond., 1724.

In his Collect. Treat. City of Bath, Lond., 1725.

—— A collection of treatises relating to the city and waters of Bath. 430p. 20cm. Lond., 1725.

James, P. R. The baths of Bath in the sixteenth and early seventeenth centuries. 176p. 20½cm. Bristol, 1938.

Masson, I., & Ramsay, W. An analysis of the waters of the thermal springs of Bath. J. Chem. Soc., Lond., 1912, 1370–6.—**Thomson, F. G.** Indications for treatment at Bath. Practitioner, Lond., 1930, **124**: 638–52.—**Travers, M. W.** The composition of the mixture of rare gases from the hot springs of Bath. J. Chem. Soc., Lond., 1937, 1561.

—— Belgium.

Wybauw, R. A. J. Une richesse nationale insuffisamment mise en valeur; nos cures hydrominérales et climatiques. 76p. 18cm. Brux., 1945.

Forms No. 18, n. ser., Actual. social., Brux.

James, C., & Aud'houi, V. Eaux minérales de la Belgique. In their Guide prat. eaux minér., 13. ed., Par., 1889, 209–11.—**Van de Velde, A. J. J., & Schoofs, F.** Reconnaissance des eaux minérales et thermales. Bull. Acad. méd. Belgique, 1948, **13**: 508–13.

—— Ben-Haroun.

Lacroix, A., Fournier [et al.] Les eaux minérales de Ben-Haroun; une nouvelle réalisation algérienne de mise en bouteille d'une minérale. Cah. méd., Alger, 1948, **3**: 655–60.

—— Beppu.

Nomitu, T. Beppu-onsen no syozyo-sui-ryō ni tuite. [The amount of water flowing from the Beppu Hotsprings] Nippon agakkai kaisi, 1938, 10. Conf., 409–14.

—— Berezovsk.

Berezovsk (The) mineral waters. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 175.—**Geschwandtner, R. A., & Zinčenko, E. J.** [Effect of the Berezovsk mineral water on diuresis] Vrach. delo, 1940, **22**: 449–54.—**Zalkind, Z. I.** [Effect of balneological factors of the health resort Berezovsk mineral waters on blood regeneration] Ibid., 131–4.

—— Bernadie (Augnat)

Charmaison, P. *Eaux minérales ferrugineuses de Bernadie, Augnat, Puy-de-Dôme [Strasbourg] 63p. 23½cm. Clermont-Ferrand, 1941.

Fenayrol, J. *Floculation de l'eau bicarbonatée-ferrugineuse de Bernadie, Augnat, P.-de-D. [Strasbourg] 64p. 23½cm. Clermont-Ferrand, 1944.

—— Bertinoro-Fratta.

Loreti, M. Le proprietà curative delle acque salsoiodiche della Fratta in ginecologia. Riv. idroclim., 1941, **52**: 212; 234.

—— Beynat.

Grabianka, S. Radioactivité des sources de Sabeau, près Beynat (Corrèze) influence du mode de prélevement des eaux. Ann. Inst. hydr., Par., 1933–34, **9**: 182–91.

—— Bilin.

Zörkendörfer, W. Bilin und die übrigen Säuerlinge. Münch. med. Wschr., 1939, **86**: 403.

—— Birštonas.

Kovarskis, J. [Curative factors of the Birštonas springs] Medicina, Kaunas, 1936, **17**: 284–92.—**Matulionis, B.** [Mineral waters of Birštonas] Ibid., 333–57. ——— [The Red Cross mineral water resort in Birštonas in 1937–38] Ibid., 1939, **20**: 286–90.

—— Biskirchen.

Griese, H. *Tierexperimentelle Untersuchungen über die Beeinflussung der bakteriziden Kraft und des Zuckerspiegels im Blut durch Zufuhr von Biskirchener Karlsprudel. 18p. 23cm. Marb., 1937.

—— Boario.

Cadeo, F. Sul meccanismo d'azione purgativa di un'acqua minerale (l'acqua Antica Fonte di Boario) Riv. idroclim., 1939, **50**: 86; 105; 138.—**Corsonello, P.** Sull'azione curativa delle acque e dei sali delle terme di Boario. Gazz. internaz. med. chir., 1938, **48**: 167.

—— Bodoc.

Weinberg-Messinger, A. [Antiphylactic effect of the mineral water Perla of Bodoc] Rev. şt. med., Bucur., 1937, **26**: 400–26.

—— Bognanco.

Angela, C. Azione lassativa e potere antibatterico delle acque di Bognanco. Rass. internaz. clin. ter., 1936, **17**: 214–20. Also Riv. idroclim., 1936, **47**: 129–35.

—— Borzhomi.

Burkser, E. [Radioactivity of the Borzhomi mineral sources] J. Russ. fiz. khim. obshch., khim. ch., 1915, **47**: 21–5.

—— Bou-Hanafia.

Pernin. Le thermalisme algérien; les amibiens à Bou-Hanifia. Cah. méd., Alger, 1949, **4**: 373–6.

—— Boulogne-sur-Mer.

SAGOT, P. L. L. *Contribution à l'étude des eaux de Boulogne-sur-Mer [Lille] 104p. 23½cm. Boulogne-sur-Mer, 1935.

—— Bourbon-Lancy.

MATHIS, L. *L'eau à Bourbon-Lancy (S.-et-L.) eaux minérales; eau potable. 111p. 25cm. Montpel., 1934.

Merle, P. Indications de la cure de Bourbon-Lancy. Presse therm. clim., 1947, **84**: 29–32.—**Piatot, J. A.** Bourbon-Lancy: techniques de cure et indications. Gaz. méd. France, 1937, **44**: No. 9, Suppl. therm., 23–5. ——— Principales techniques de la cure externe de Bourbon-Lancy. Nutrition, Par., 1938, **8**: 241–6.—**Rouveix, J.** Les indications de la cure thermale de Bourbon-Lancy. Sem. hôp., Par., 1947, **23**: 1544–8.

—— Bourbonne-les-Bains.

See also **Balneography.**

GRYNBERG, A. *Étude sur l'action des eaux minérales de Bourbonne-les-Bains et leurs indications thérapeutiques. 142p. 24cm. Nancy, 1940.

ROUCHETTE, J. *Contribution à l'étude de l'action thérapeutique des eaux chlorurées sodiques; la cure de Bourbonne-les-Bains dans les suites de fractures et le rachitisme expérimental [Lyon] 123p. 8° Bourg, 1934.

Bénitte, A. La notion de cellulites et les indications de cure à Bourbonne-les-Bains. Presse therm. clim., 1937, **78**: 385.—**Chevallier, A., père.** De la présence de l'hydrogène sulfuré dans les gaz qui se dégagent des sources de Bourbonne-les-Bains (Haute-Marne) J. chim. méd., Par., 1866, 5. ser., **2**: 560–6.—**Delacroix.** Le radio-émanatorium lithiné de Bourbonne-les-Bains. Rev. rhumat., Par., 1937, **4**: 954–62.—**Dupin, S.** Les origines romaines de Bourbonne-les-Bains. Aesculape, Par., 1939, **29**: 106.—**Fontaine, P. R., & Grandpierre, R.** Variation du taux de la glycémie sous l'influence de la cure de Bourbonne. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 380–2.—**Gay, J.** Bourbonne-les-Bains (Hte Marne) Rev. prat. mal. pays chauds, 1936, **16**: 272–81.—**Geslin, M.** Radioactivité des sources thermales de Bourbonne-les-Bains. Presse therm. clim., 1939, **80**: 83–5.—**Grandpierre, R.** Les séquelles de traumatismes et la cure hydrominérale de Bourbonne-les-Bains. Gaz. méd. France, 1936, **43**: 13–21.—**Merklen, L., Bonnet, V.** [et al.] Etude électrophysiologique de l'action de la cure de Bourbonne sur la fonction neuro-musculaire. Presse therm. clim., 1937, **78**: 321–4.—**Pellet.** Bourbonne-les-Bains. Ibid., 1936, **77**: 489–91. ——— Les enfants à Bourbonne. Ibid., 1937, **88**: 85–9.—**Ronot, H.** La cure d'eau hyperthermale de Bourbonne en boisson. Ann. Inst. hydr., Par., 1936–37, **11**: 108–22. ——— La cure thermale de Bourbonne-les-Bains dans les séquelles de traumatismes ostéo-articulaires. Gaz. méd. France, 1948, **55**: 379. ——— Le radio-émanatorium de Bourbonne-les-Bains et ses possibilités émanothérapiques. Rev. méd. Nancy, 1939, **67**: 494–502.—**Westphal, F.** La régulation du métabolisme calcique à Bourbonnes-les-Bains. Ibid., 1947, **72**: 215–20.

—— Bourgogne.

LAPIERRE, R. *Les sources guérisseuses en Bourgogne (Côte-d'Or et Saône-et-Loire) 98p. 8° Lyon, 1936.

—— Brazil.

Almeida, S. V. de. Aguas minerais do Brasil. Arq. derm. sif. S. Paulo, 1943, **7**: 110–20.—**França, A.** As nossas águas mineraes. Rev. méd. Paraná, 1940, **9**: 111–3.—**Mariante, T.** Das aguas de Poços de Caldas e de Iraí. Arq. rio grand. med., 1934, **13**: 107–26.—**Mello, A. da S.** De uma excursão às nossas estações de águas. Rev. brasil. med., 1945, **2**: 344–51.—**Netto, O. C.** O emprego das lamas em Araxá e Poços de Caldas. Brasil méd., 1949, **63**: 37.—**Oliveira, J. D. de.** Contribuição ao estudo do poder zymosthenico das aguas do Prata, de Lindoya e Araxá. São Paulo med., 1936–37, **9**: 171–8. ——— **Centralização** administrativa das estâncias creno-climáticas. Hospital, Rio, 1948, **34**: 111–3.—**Oliveira, X. de.** A importancia therapeutica de nossas estações hydro-mineraes. Brasil med., 1941, **55**: 151–3.—**Pupo, J. A. de.** Aguas minerais do Brasil. Rev. paul. med., 1942, **21**: 1–27.—**Ribeiro, L.** Mineral and thermal springs in Brazil. In his Brazil. M. Contrib., Rio, 1939, 109–19, pl.—**Rosenburg, C.** A radio-actividade das aguas mineraes brasileiras; resumo historico. Fol. med., Rio, 1938, **19**: 113. ——— As aguas magnesianas do Brasil. Ibid., 1941, **22**: 18–20.—**Valle Filho, G. do.** Esboço clinico para o emprego de nossas aguas minerais. Ibid., 1940, **21**: 101–3.—**Vasconcelos, M. de.** Alguns aspectos do hidro-climatismo no Brasil. Hora med., Rio, 1941, No. 46, 21–5.

—— Brejo das Freiras.

Almeida, E. de. Considerações em torno das aguas termo-minerais do Brejo das Freiras. Fol. med., Rio, 1943, **24**: 46–8.

—— Brides.

Fabre, R. Au sujet d'une demande relative à la préparation des bains à l'établissement thermal de Brides (Savoie) Bull. Acad. méd., Par., 1943, **127**: 498.—**Laissus, C.** Eaux thermales de Brides-les-Bains, Savoie; leur action dans les affections hépatiques et spléniques. C. rend. Congr. égypt. méd. (1902) 1904, 1. Congr., **1**: 70–81.—**Piéry, M., Enselme, J., & Nury, D.** Influence d'une eau sulfatée chlorurée calcique (source Hybord de Brides) sur le cycle des lipides. Bull. Acad. méd., Par., 1938, 3. ser., **119**: 28–31. Also Presse therm. clim., 1938, **79**: 100.

—— Briscous-Biarritz.

Cussac, A. Sur la bactérlologie de l'eau salée naturelle de Briscous-Biarritz. C. rend. Ass. fr. avance. sc. (1910) 1911, **39**: 251–6.

—— Brückenau.

Alix, M. F. Obs. 32: Praestantia aquarum mineralium Bruckenauiensium in chronicis doloribus rheumaticis. In his Observ. chir., Altenburg &c., 1776, **2**: 145–51. ——— Obs. 39: Dolores membrorum usu aquarum mineralium Bruckenauiensium curati. Ibid., 166–8. ——— Obs. 1–21: Continuatio observationum de efficacia aquarum mineralium Bruckenauiensium in diversis morbis. Ibid., 1777, **3**: 120–40.

—— Budapest (Hungary)

SAXLEHNER, A. Sorgente amara purgativa di Hunyadi János. Ed. privata. 40p. 20½cm. Budap., 1886.

Belák, S. Nyilatkozat. Népegészségügy, 1943, **24**: 281.—**Bodnár, J., & Straub, J.** A budapesti gyógyvizek fluortartalmáról. Ibid., 1942, **23**: 796–8. ——— Válasz Dr. Kunszt Jánosnak a Bodnár-Straub, A budapesti gyógyvizek fluortartalmáról című cikkhez fűzött hozzászólásához. Ibid., 1943, **24**: 274.—**Budapest** fürdő- és ásványvízforgalma 1941-ben. Statiszt. ért., 1942, 269–71.—**Budapesti** (A) fürdők forgalma 1941-ben. Népegészségügy, 1942, **23**: 481–3.—**Budapest** székesfőváros lakosainak gyógy- (keserűvíz-) és ásványvíz fogyasztása 1941. évben. Ibid., 189.—**Fraczkiewicz, J.** Sul valore dell'acqua amara di Hunyadi János nella terapia delle malattie interne. Progr. ter., Milano, 1913, 212–7.—**G[agliardi] A.** Delle proprietà terapeutiche dell'acqua purgativa naturale Hunyadi János. Ibid., 1910, 257–66.—**Gyulai, E., & Lemhényi, K.** [Changes in the K, Na, and Ca ion-concentration of the blood in the course of drinking cures established by the bath Rudas with the water of the Hungarian spring] Magy. orv. arch., 1938, **39**: 565–71.—**Kárpáti, J.** Eszrevételek Dr Bodnár János egyetemi tanár ásványvíz-vizsgálataimat érintő megjegyzéseire. Népegészségügy, 1943, **24**: 277–9.—**Kunszt, J.** [Effect of the water of Juventus Spring upon the blood pressure] Budapesti orv. ujs., 1937, **35**: 601–5. ——— Hozzászólás; a Bodnár-Straub: A budapesti gyógyvizek fluortartalmáról c. cikkhez. Népegészségügy, 1942, **23**: 985–7. ——— Hozzászólás a Bodnár-Straub féle Válasz-hoz. Ibid., 1943, **24**: 275–7.—**Liber, E., & Medriczky, A.** Budapest fürdővároskialakulása. Orv. hetil., 1944, **88**: 108.—**Medriczky, A.** Török fürdőszokások és a budai török fürdők. Népegészségügy, 1944, **25**: 296–301.—**Mihálka, V.** Budapest gyógyfürdői és gyógyforrásai. Statiszt. ért., 1940, 114–6.—**Pap, L.** [Indications, effects and prescription of the baths of Budapest] Orv. hetil., 1940, **84**: mell., 9; 20; 23.—**Pelle, L.** [Budapest and balneotherapy] Budapesti orv. ujs., 1938, **36**: 584–6.—**Rausch, Z., & Sereghy, M.** Klinische Untersuchungen über das Bitterwasser Hunyadi János in Tablettenform. Med. Klin., Berl., 1927, **23**: 943, pl.—**Richter, A.** Die Wirkung der Bäder mit Budapester Szt. Lukács-Mineralwasser und mit Wasserleitungswasser auf die Tätigkeit der Nierenglomeruli. Balneologe, 1943, **10**: 18–21.—**Simon, B.** Hozzászólás a Bodnár-Straub-féle Válaszra. Népegészségügy, 1943, **24**: 279–81.—**Straub, J.** Változott-e az idők folyamán a budapesti gyógyvizek (hőforrások) összsótartalma? Ibid., 1942, **23**: 143–6.

—— Bulgaria.

POPOFF, C. G. *Les eaux minérales de Bulgarie. 105p. 25½cm. Bord., 1934.

SÉRAPHIMOFF, L. *Etude sur les eaux minérales bulgares. 71p. 24cm. Strasb., 1934.

Maleeff, I. Einiges über die Mineral-, Thermal- und Meeresbäder in Bulgarien. Deut. med. Wschr., 1937, **63**: 648–52.—

Zaprianov, T. Lećebnost na našite mineralni bani. Blgar. klin., 1947, 18: 442–9.

—— Burnham-on-Sea.

Nixon, J. A. The medicinal waters at Burnham-on-Sea. Bristol Med. Chir. J., 1938, 55: 191–8, 2 pl.

—— Busko.

Orlowski, Z. Ueber die katalytischen Eigenschaften des Mineralwassers der Quelle Nr 1'(Michalski-Quelle) des Busko-Bades. Balneologe, 1937, 4: 168–81.

—— Buxton.

See also **Balneography.**

Race, J. The chemistry of the Buxton waters. Prescriber, Edinb., 1925, 19: 102–6.

—— Cacheuta.

Sales de Cogorno, N. M. La radioactividad de las aguas minerales de Cacheuta. Rev. As. méd. argent., 1944, 58: 649–51.

—— Căciulata (Romania)

Marbe, M., & Epureanu, P. Sur l'action anti-anaphylactique de certaines eaux minérales naturelles (Eau de Căciulata) Arch. roumain. path., Par., 1928, 1: 379–414.

—— Cagveri (Georgia)

Cagveri. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 107.

—— Calabria.

See also subheading (Italy)

Pagano, L. Delle acque minerali della Calabria. Filiatre sebezio, Nap., 1840, 19: 194–9.

—— Caldas da Rainha.

Silva Correia, F. da. Algumas efemérides referentes ás águas das Caldas da Rainha. Clín. hig. & hidr., Lisb., 1944, 10: 188–91.

—— Caldas de Montbuy.

Cuatrecasas, J. Notas de clínica hidrológica sobre Caldas de Montbuy. 143p. 22cm. Barcel., 1935.

—— Caldas do Cipó.

Salles, B. Annotações sobre o registro clinico de Caldas do Cipó. Rev. med. Bahia, 1934, 2: 80–3.—Salles, N. P. Notas de clínica termal; Caldas de Cipó. Ibid., 1949, 17: 4–8.

—— Caldiero.

Castelli, D. P. S. Sulle terme di Caldiero. 16p. 21cm. Verona, 1854.

—— Le antiche terme di Giunone in Caldiero; appendice ai cenni storico, medici. 28p. 21cm. Verona, 1857.

—— Caledon.

Darley-Hartley, W. The mineral waters of Caledon. S. Afr. M. J., 1940, 14: 437–40.

—— California.

California's mineral springs; joint resolution by the California Legislature urging their use. California West. M., 1943, 58: 105.—Koch, F. J. How we studied far north California's medicinal springs. West. Druggist, Chic., 1906, 28: 635.

—— Calithea (Rhodes)

Brunetti, E., & Mochi, A. The waters of Calithea (Island of Rhodes) Fol. med. int. orient., 1932–33, 1: 217–32, 2 pl., 2 map., 4 diag.—Gasperini, C. G. Le Fonti di Calitea (Rodi) Riv. idr. clim., 1929, 40: 57–61.—Guadio, V. Azione biologia e terapeutica dell'acqua Calitea-Ippocratea. Ibid., 1936, 47: 293–305.

—— Cambo-les-Bains.

Fabre, R. Sur une demande d'autorisation de la source Honorine, située à Cambo-les-Bains. Bull. Acad. méd., Par., 1941, 124: 650–3.

—— Camoins-les-Bains.

Rimattei, F., & Petit, J. A propos de l'évolution de l'eau de Camoins-les-Bains. Ann. Inst. hydr., Par., 1938–39, 12: 89–101.

—— Canada.

Boyle, R. W., & McIntosh, D. On the amount of radium and radium emanation present in the waters of several western springs. Proc. R. Soc. Canada (1913) 1914, 7: Sect. 3, 163.

—— Canino.

Bonaparte-Luciano, L. Presenza del fluoro, e del potassio nell'acqua termale di Canino. Ann. med. chir., Roma, 1841, 4: 99–102.

—— Capvern.

Daupez, L. *Contribution à l'étude des eaux thermo-minérales de Capvern (Haute-Pyrénées); leur pouvoir anti-toxique. 109p. 23cm. Toulouse, 1933.

Capvern-les-Bains (Union thermale pyrénéenne) Gaz. méd. France, 1937, 44: No. 9, Suppl. therm., 35.—Villaret, M., Justin-Besançon, L. [et al.] Recherches d'hydrologie expérimentale concernant l'action d'une eau sulfatée calcique magnésienne (Capvern) sur l'intestin isolé du lapin. Ann. Inst. hydr., Par., 1936–37, 11: 310–9.

—— Caraúbas.

Fernandes, M. A fonte termal de Caraúbas. An. Soc. med. cir. Rio Grande do Norte, 1943, 5: No. 8, 89–92.

—— Carvalhal.

Almeida Carneiro e Freitas, C. A. de. As Termas do Carvalhal (Castro Daire) e suas possibilidades creno-climatoterápicas. J. méd., Pôrto, 1948, 12: 8–10.

—— Casale.

De Vegni, L. Descrizione del Casale, e bagni di S. Filippo con suoi annessi e memoria sulla plastica di detti bagni. 80p. 21cm. 1808.

—— Casamicciola.

Palma, G. Rendiconto de' vantaggi ottenuti in diverse specie di malattie trattate con le terme del Gurgitello nell'Ospizio del Pio Monte della Misericordia in Casanizzola nella state del 1847. 40p. 21cm. Nap., 1847.

Relazione delle cure termo-minerali del Gorgitello praticate in Napoli da fanciulli infermi ricoverati nell'Ospedale der Pio Monte della Misericordia durante la state del 1884. 63p. 22½cm. Nap., 1884.

Salvi, V. Le acque del Gurgitello; storia ed azione fisiologica. 48p. 16cm. Nap., 1881.

—— Casciana.

See subheading (Bagni di Casciana)

—— Castellammare di Stabia.

See also **Balneography.**

Pratesi, Tursini & Cantani. Studio batteriologico, chimico e clinico sull'acqua acidula, detta acetosella di Castellammare di Stabia. 20p. 22½cm. Nap., 1890.

Estratto dal Gior. inter. sc. med., v.12:

D'Elia, O. L'acqua Stabia nella terapia della sterilità femminile. Clin. term., Roma, 1948, 1: 207. —— Ricerche sperimentali sulle modificazioni della contrattilità uterina in seguito all'uso dell'acqua Stabia. Ibid., 209–11.—Esposito, C. Azione dell'acqua sulfurea clorurato-sodica ipertonica atermale del bacino idrominerale di Castellammare di Stabia sulla secrezione biliare e sui muscoli lisci. Riv. idroclim., 1938, 49: 48–57.—Gentile, T. La radioattività delle acque delle Terme Stabiane. Clin. term., Roma, 1948, 1: 264.—Lupi, F. Identicità delle sorgenti solfuree a Stabia delle Terme Stabiane; loro utilizzazione in crenoterapia ginecologica. Ibid., 211–3. —— L'azione favorevole delle acque solfuree delle Terme Stabiane nella cura della sterilità femminile. Ibid., 213–6.—Malquori, G., & Susanna, V. Rappresentazione grafica della composizione delle acque di Castellammare di Stabia. Ibid., 263.—Mangini, V. Modificazioni della contrattilità dell'utero in situ sotto l'azione dell'acqua Stabia. Ibid., 211.—Marotta, A. Polimorfismo terapeutico delle acque di Castellammare di Stabia. Boll. Ord. med. chir. Napoli, 1949, 26: No. 10, 22; No. 11, 14.—Pulvirenti, G. Sui vibrioni idrici delle acque minerali di Castellammare di Stabia. Ann. igiene, 1946, 56: 105.—Puntoni, V. Una caratteristica chimica ed una caratteristica batteriologica delle Acque Medie di Castellammare di Stabia. Clin. term., Roma, 1948, 1: 263.—Quartuccio, B. Climatologia Stabiana. Ibid., 267.

—— Castelvetro.

Cavallini, D. Cenni sull'acqua purgativa salino magnesiaca della sorgente del Gallo in Castelvetro. 4p. 21½cm. Bastiglia, 1882.

—— Castrocaro.

Bechi, E. Nuove ricerche chimiche su l'acqua salsoiodica di Castrocaro appartenente al signor Aristide Conti. 43p. 21cm. Fir., 1871.

Chiminelli, L. Le sorgenti minerali e gli stabilimenti relativi di Castrocaro. 4p. 22½cm. Bassano, 1879.
In: Gazz. idr. med., Bassano, Luglio, 1879.

Pizzigati, G. Acque cloro-bromo-jodiche di Castrocaro. 12p. 20½cm. Castrocaro, 1887.

Santopadre, T. Guida ai bagni d'acqua salsoiodica di Castrocaro. 40p. 21cm. Urbino, 1869.

—— Catillo.

Amaral, M. Las termas minerales de Catillo. Actes Soc. sc. Chili (1926) 1929, **36:** 46–72.

—— Caudebronde.

Vidal, C. Caudebronde et la source La Félide. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 523–5.

—— Cauterets.

See also **Balneography.**

Corone, A. L'action sur la diurèse de la cure Cauterets. Algérie méd., 1930, **34:** 301–4. ——— Les insufflations tubo-tympaniques de vapeurs sulfureuses Cauterets. C. rend. Congr. internat. hydr. clim. géol. med. (1933) 1934, 14. Congr., 455–7.—**Peyrot, J.** Réactions hématologiques et cure sulfureuse de Cauterets. J. méd. Bordeaux, 1949, **126:** 120–3.

—— Cavelonte.

Cavelonte. Investigazioni chimiche sulla deposizione ocracea che ingenerasi nel doccione di legno per la minerale che vi discende in sei separate stille, e ricerche in essa dell'acido crenico ed apocrenico. 16p. 21cm. Trento, 1856.

Leonardi, D. Analisi dell'acqua ferruginosa di Calevonte e saggi chimici sull'ocra ferruginosa deposta dalla minerale sulla materia usata in infangatura sulla sostanza salina efflorescente vicina alla sorgente e sopra tre acque dolci. 20p. 21cm. Trento, 1867.

—— Caxambú.

Rosenburg, C. As aguas minerais de Caxambú. Fol. med., Rio, 1939, **20:** 417. ——— Caxambú. Brasil med., 1940, **54:** 24–6. ——— Indicações terapeuticas gerais das fontes minerais de Caxambú. Fol. med., Rio, 1941, **22:** 55–7.

—— Celentino.

See under subheading (Pejo)

—— Ceresole Reale.

Balp, S. Sulla efficacia terapeutica dell'acqua minerale di Ceresole Reale. 7p. 20cm. Torino, 1883.
Estratto Gior. Accad. med. Torino, 1883.

—— Challes-les-Eaux.

Passot, C. *Action de l'eau minérale sulfureuse de Challes sur l'élimination urinaire du bismuth; recherches expérimentales et cliniques. 57p. 25cm. Lyon, 1944.

D'Arsonval, Bordas, F., & Touplain, F. L'eau minérale de Challes-les-Eaux, Savoie. Ann. falsif., Par., 1923, **16:** 402–10.—**Mathieu, J. E.** Clinique hydrologique sulfuro-iodée chez les enfants; la cure de Challes-les-Eaux. J. méd. Paris, 1936, **56:** 605–7.

—— Chantilly.

Mlle de Clermont aux eaux minérales de Chantilly. Aesculape, Par., 1940, **30:** 71.

—— Châteldon (Puy-de-Dome)

Maroger, M. *Une eau minérale très radioactive; sources de la montagne, Châteldon-Puy-de-Dome. 66p. 8° Par., 1936.

Armand & Blanquet. Les eaux minérales de Châteldon et leur radioactivité. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 332–9.

—— Chatel-Guyon.

Angelby, A. Les eaux de Châtel-Guyon. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 512–20.—**Balme, M., & Dastugue.** Sur quelques actions physiologiques de l'eau minérale de Châtel-Guyon. Presse therm. clim., 1938, **79:** 412–5.—**Balme, P.** Action stimulante de la cure de Châtel-Guyon chez les enfants. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 147.—**Baraduc, F.** Les eaux de Châtel-Guyon. Aristote, Par., 1932, **7:** 33–5.—**Brousse, P.** Influence de la cure de Châtel-Guyon sur la vie génitale et sur la stérilité. Presse therm. clim., 1937, **78:** 580.—**Foucaud, J.** Quelques coloniaux vus à Châtel-Guyon. Gaz. méd. France, 1939, **11:** Hydr., No. 8, 45.—**Hutet, G.** Les enfants à Châtel-Guyon. J. méd. Lyon, 1946, **27:** 325–9.—**Indications** de la cure de Châtel-Guyon chez les coloniaux. Ann. méd. pharm. col., Par., 1937, **35:** 597–600.—**Jouhannaud, A.** La cure de Chatel Guyon à domicile. Rev. prat. mal. pays chauds, 1938, **18:** 136–9.

—— Chaudes-Aigues.

Gaillard, A. L. *Les eaux hyperthermales de Chaudesaigues, Cantal, et leurs indications thérapeutiques. 67p. 24½cm. Bord., 1936.

Blanquet, L., Cuvelier, R. [et al.] Etude physico-chimique, biologique et physiologique des eaux hyperthermales de Chaudes-Aigues. Bull. Acad. nat. méd., 1949, **133:** 393–6.

—— Chianciano.

Targioni-Tozzetti, A. Analisi chimica delle acque minerali di Chianciano eseguita nel 1832. 222p. 23½cm. Fir., 1833.

Cervini, C. Influenza della terapia idropinica con Acqua Santa di Chianciano sul potere colinesterasico del siero. Clin. nuova, Roma, 1949, **8:** 435–46. ——— & **Valori, P.** Variazioni della tiemia dopo assunzione di Acqua Santa di Chianciano. Ibid., 539–52.—**Patrono, V.** Ricerche sul comportamento della bilirubinemia e delle funzioni deaminante e glicopessica del fegato in ammalati curati con Acqua Santa a Chianciano. Riv. idroclim., 1940, **51:** 35–47. ——— Ricerche sul comportamento del ricambio energetico in ammalati curati con Acqua Santa a Chianciano. Ibid., 63; 91.—**Sabatini, G.** Idroclimatologia; le cure di Chianciano. Forze san., Roma, 1934, **3:** 1479–87.

—— Chiarodovo.

See under subheading (Bagno di Romagna)

—— Chiatamone.

Romanelli, G. Guida medica alle acque carbonico-ferrate Lucullane del Chiatamone in Napoli. 184p. 21cm. Nap., 1879.

Ricci, A. Le acque ferruginose bicarbonato-alcaline delle Terme Chiatamone. Clin. term., Roma, 1948, **1:** 218.

—— Chiecinella.

Calamai, L. Dell'acqua minerale acidola dei bagni di Chiecinella. 63p. 21cm. Fir., 1844.

—— Chile.

Rebolledo E., R. Hacia una reglamentación sanitaria de los establecimientos termo-minerales del país. Actas Jornada san. (Chile) (1940) 1941, 329–32.

—— Ciechocinek.

Bursztyn, D. *Contribution à l'étude des eaux de Ciechocinek (Pologne) 59p. 8° Par., 1935.

Krajewski, F. Działanie ciechocińskich wód mineralnych na wydzielanie błony śluzowej żołądka. p.154–206. 24cm. Warsz., 1938.
Polskie arch. med. wewn., 1938, **16:**

Iwanowski, W. [Springs and saline lakes in Ciechocinek] Nowiny lek., 1936, **48:** 490–3.—**Malecki, J.** [Anti-oncotic properties of the saline lakes of Ciechocinek] Ibid., 493–7.—**Szmurlo, J.** [Ciechocinek and the actual progress in balneology. Ibid., 489. ——— [Development of therapeutic indications of the Ciechocinek mineral waters] Ibid., 1937, **49:** 521–3. ——— Ciechocinek i jego obecne stanowisko wśród polskich zdrojowisk. Polski tygod. lek., 1948, **3:** 817–20.

—— Ciego Montero.

Embil, J. Informe sobre los manantiales de Ciego Montero. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, **1**: No. 4, 38–44.

—— Cinciano.

Buonamici, E. Delle acque minerali acidule di Cinciano. 20p. 23cm. Fir., 1861.

Maccanti, G., & Pandolfi, A. Considerazioni scientifico-pratiche sull'acqua di Cinciano. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 471–4.

—— Città di Castello.

Mannucci, E. Guida alle acque minerali di Città di Castello. 51p. 18½cm. Castello, 1870.

Aque (Le) minerali naturali di Città di Castello. Ann. med. pubb., Roma, 1875, Append., 9–16.

—— Civillana.

See subheading (Monte Civillana)

—— Civitavecchia.

Alessandri, T. Sull'acqua termo-minerale di Civitavecchia. 39p. 23cm. Roma, 1875.

Cannizzaro, S., & Piermarini, T. Acqua termo-minerali di Civitavecchia; analisi chimica, notizie storiche, considerazioni terapeutiche e resoconto clinico, anno I e II. 71p. 20cm. Roma, 1884.

—— Ckhaltubo (Georgia)

Ckhaltubo. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 102–4.—**Osinovsky, N. I.** [Ckhaltubo as a health resort for children] Vopr. kurort., 1941, No. 3, 70.

—— Clermont-Ferrand.

Chambat, J. B. B. E. P. *Contribution à l'étude physiologique des eaux minérales; la balnéothérapie [Strasbourg] 142p. 24cm. Clermont-Ferrand, 1942.

Merle, P. Les sources minérales de Clermont-Ferrand. Presse therm. clim., 1947, **84**: 235–8.

—— Colombia.

Ramírez Vásquez, I. *Contribution à l'étude des eaux minérales de Colombie. 55p. 25cm. Montpel., 1936.

Barriga Villalba, A. M., & Ricaurte Medina, M. Aguas medicinales de Paipa, Choachí, Tabio y Villeta. Bol. Inst. Samper Martínez, Bogotá, 1941, No. 3, 13–9.

—— Comano.

Cenedella, A. G. Nuova analisi chimica dell'acqua termale di Comano. 78p. 21cm. Verona, 1847.

Dolfini, G. Contributo sul meccanismo d'azione delle acque di Comano, in rapporto alla chemioterapia. Clin. term., Roma, 1943, **3**: 101–6.—**Ludwig & Zeynek, R. v.** Analisi chimica dell'acqua della terma di Comano, Trentino. Gior. farm., Trieste, 1896, **1**: 199–202.

—— Comblin-la-Tour.

Poskin, A. Les eaux minérales de Spontin et Notice sur la source thermale de Comblain-la-Tour. p.196–201. 23½cm. Brux., 1889.

Repr. from Bull. Soc. belge géol. paléont. hydr., 1889, **3**:

—— Contrexéville.

See also **Balneography.**

Bricout, C. Contrexéville. Rev. méd. Nancy, 1947, **72**: 178–89.—**Goiffon, R.** Recherches sur les variations de l'équilibre acide-base urinaire pendant la cure de Contrexéville. Paris méd., 1936, **99**: 225–32.—**Kisch, E. H.** Contrexéville. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **3**: 442.—**Lutringer.** Les modifications de la densité du sang sous l'influence de la cure de Contrexéville. Paris méd., 1937, **103**: 355.

—— Copahué.

Alvarez, G. Contribución al estudio de las termas de Copahué, Neuquen, en sus aplicaciones dermatoterápicas. Rev. As. méd. argent., 1939, **53**: 156–60.—**Castillo, M.** Termas de Copahué; contribución al estudio de sus aplicaciones terapéuticas. Sem. méd., B. Air., 1937, **44**: 1350–4.—**Corti, H., & Manuele, R. J.** Sobre la existencia del ácido pentatiónico en un agua de Copahué. Rev. Fac. cienc. quím. (La Plata) 1942, **17**: 7–14.

—— Cormaiore (Aosta)

Barbieri, A. Il nuovo stabilimento balneo-idroterapico di Courmayeur di proprietà del Signor J. Michel Tavernier. 43p. 20cm. Bologna, 1884.

Santanera, V. Breve cenni sulle acque minerali ed in particolare sulle acque di Courmayeur e pré st.-Didier nella valle d'Aosta; nuova guida pratica. 254p. 16cm. Tor., 1879.

Tavernier, M. Brevi cenni storici sulla sorgente Jeanne Baptiste in Courmayeur e sul nuovo stabilimento idroterapico. 15p. 20cm. Aosta, 1884.

—— Cormons.

Filipuzzi, G. A. Osservazioni sull'analisi dell'acqua minerale di Cormons fatta da Osualdo Taglialegni; aggiuntavi una lettera risguardante il medesimo argomento del farmacista Francesco Comelli. 20p. 21cm. Milano, 1829.

Taglialegni, O. Analisi dell'acqua minerale di Cormons. 34p. 21cm. Udine, 1829.

—— Corsica.

Orsini, A. *Caractères climatiques et hydrologiques de quelques stations hydro-minérales corses: Urbalacone, Caldane-di-Tallano, Orezza. 63p. 24cm. Marseille, 1939.

Acque (Le) minerali della Corsica. Minerva med., Tor., 1940, **31**: pt 2, Varia, 268.—**Rimattei, F.** Climatologie et hydrologie de la Corse. Gaz. méd. France, 1945, **52**: 303.

—— Côte d'Or (France)

Derône, J. Rapport sur les eaux de quelques sources de la Côte d'Or. Bull. Soc. pharm. Côte d'Or, 1910, No. 27, 53–8.

—— Courmayeur.

See subheading (Cormaiore, Aosta)

—— Cransac.

Murat, J. F. V. Recherches médico-chimiques sur la nature et les propriétés des eaux minérales de Cransac. Bull. Soc. méd. émul., Par., 1823, 158–77.

—— Crespano.

Crespano, Italy. Rapporto della giunta per le acque minerali intorno alla fonte minerale di Crespano. 7p. 21cm. Venezia, 1871.

—— Czízfürdö.

Szelényi, J. [Therapeutic factors of Csízfürdö] Budapesti orv. ujs., 1939, **37**: 650–3.

—— Cuba.

Brodermann, J. Breve sinopsis sobre hidrología y alumbramiento de aguas subterráneas. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, **1**: No. 3, 13–38. ——— Clasificación de las aguas minero-medicinales analizadas por el Instituto nacional de hidrología y climatología médicas. Ibid., 1948, **2**: 185–8.—**Cosculluela, J. A.** ¿Puede considerarse riqueza la hidro-mineral cubana? Rev. med. cir. Habana, 1937, **42**: 10–5.—**Embil, J., & Trelles Soler, F.** Informe sobre los manantiales de San Miguel de Los Baños y La Paila, Provincia de Matanzas. Arch. Inst. nac. hidr. clim. méd., Habana, 1948, **2**: 53–7.—**Guerra y Debén, J.** Investigación espectrográfica cualitativa de algunas aguas cubanas. Ibid., 1946–47, **1**: No. 4, 21–37.—**Muñoz Jústiz, E., & Guerra y Debén, J.** Radioactividad de los manantiales de San Miguel de los Baños y La Paila, Provincia de Matanzas. Ibid., 1948, **2**: 58.—**Ramos Báez, P.** Sinopsis sobre los fundamentos de una política hidromedicinal y climatoterápica. Rev. méd. cubana, 1944, **55**: 907–14.—**Santamarina, V.** Datos históricos sobre crenoterapia cubana. Rev. med. cir. Habana, 1937, **42**: 83; 236.—**Trelles Soler, F.** Análisis de algunas de las aguas minero-medicinales cubanas estudiadas por este instituto. Arch. Inst. nac. hidr. clim. méd., Habana, 1948, **2**: 171–84.

—— Cyprus.

Tamari, M. Sulphur springs of Cyprus. Nature, Lond., 1943, **152**: 277.

—— Czechoslovakia.

Abelin, M. Om kurmedel och indikationer vid Franzensbad och Hohe Tatras kurorter i Tjeckoslovakien. Nord. med. tskr., 1937, **14:** 1137–43.—**B., L. J.** The Czechoslovak spas and hospitals. Rheumatism, Lond., 1948, **3:** 169–71.—**Bureš, R.** Nová forma našeho lázeňství. Věst. česk. lék., 1949, **61:** 209.—**Cmunt, E.** Naše lázeňství v nových hranicích. Cas. lék. česk., 1938, **77:** 1234. ——— [New orientation in Czechoslovakian hydrotherapy] Věst. Cesk. fysiat., 1939, **19:** 3–6.—**Gregor, A.** [Balneo-climatic stations in Czechoslovakia] Ibid., 7–12.—**Hrásky, J. V.** Technische und soziale Aktualitaeten der Heilbaeder und der Naturheilschaetze in der Tschechoslovakischen Republik. Atti Congr. internaz. tecn. san., 1931, 2. Congr., **2:** 21–5.—**Jelen, V.** [Mineral water of the Czech chalk region] Věst. Cesk. fysiat., 1939–40, **19:** 109–22.—**Lenoch, F.** [Comparison of the action of three Czechoslovakian mineral, alkaline-gaseous waters] Ibid., 1938, **18:** 101–14. ——— O léčivých a minerálních vodách. Výživa lidu, 1949, **4:** 165–7.—**Löwy, J.** A plan for European recovery areas; health resorts, springs and spas in Europe. Bull. Czech. M. Ass. Gr. Britain, 1943, **2:** 40–7.—**Mates, J.** K propagaci našich lázní. Cas. lék. česk., 1947–48, **86:** 656.—**Pražák, L.** [Certain unknown mineral springs in central Slovakia] Věst. Cesk. fysiat., 1938, **18:** 308–14.—**Santholzer, V.** Radioaktivita československých vod. Alman. lázní, 1949, 60–2.—**Sládek, B.** Naše lázně a minerální zřídla. Zdrav. roč. česk., 1938, 455–7.—**Soukup, J. J.** Československé zřídelnictví; hospodářské poznámky. Výživa lidu, 1949, **4:** 167–9.—**Villaret, M., Justin-Besançon, L.** [et al.] Action de quelques eaux minérales tchécoslovaques sur l'intestin isolé du lapin. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 424–9. ——— Recherches d'hydrologie expérimentale sur l'action cardiovasculaire et respiratoire de quelques eaux minérales tchécoslovaques. Ibid., 430–4.

—— Darkov.

Mazurek, J. [The iodine-bromide springs in Darków; history, analysis and indications] Polska gaz. lek., 1939, **18:** 501–9.

—— Dax.

See also **Balneography.**

Delfour, S. A. L. H. *Contribution à l'étude physico-chimique des eaux thermo-minérales de Dax et de leurs variations en fonction des crues de l'Adour par la méthode de décomposition de la résistivité électrique; étude faite sur le terrain [Pharm.] 96p. 25½cm. Bord., 1937.

Fauthous, G. *Crénothérapie des suites de blessures de guerre à Dax. 32p. 23½cm. Par., 1939.

Barrau, A. Dax. Gaz. méd. France, 1937, **44:** No. 9, Suppl., therm., 47. ——— La cure d'hiver à Dax; ses indications et ses avantages en rhumatologie. Concours méd., 1949, **71:** 1275.—**Creyx, M., Cazaux, P., & Rigal, J.** Pouvoir anagotoxique de l'eau hyperthermale de Dax et radioactivité. Presse therm. clim., 1949, **86:** 151.—**Creyx, M., Cazaux, P., & Umbricht, A.** Quelques données nouvelles sur le pouvoir anagotoxique de l'eau hyperthermale de Dax. Ibid., 152.—**Delmas-Marsalet, P. A.** Les eaux salées de Dax en thérapeutique antirhumatismale. Bull. méd., Par., 1944, **58:** 95.—**Massy, R.** Sur le bain de boue de Dax. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 526.—**Mauvoisin, F.** Les indications de la cure thermale de Dax. J. méd. Lyon, 1949, **30:** 849–52. ——— Les boues de Dax. J. méd. Paris, 1949, **69:** 45–8.

—— Djalyal-Abad (Kirghizia)

Djalyal-Abad. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 184.

—— Djety-Oguz (Kirghizia)

Djety-Oguz. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 186.

—— Droitwich.

Dawson, F. I., & Salt, H. B. An investigation into the sterility of the Droitwich brine, and its bactericidal action. Edinburgh M. J., 1936, **43:** 402–8.—**Hinsdale, G.** Droitwich and Royal Leamington Spa. Med. Rec., N. Y., 1939, **150:** 329–31.—**Whitley, W. T.** Droitwich; its growth as a spa. Prescriber, Edinb., 1926, **20:** 104–7.

—— Dymokury.

Fleischhans, B. [Physiological effects of alkaline-gaseous mineral waters of Dymokury] Věst. Cesk. fysiat., 1938, **18:** 114–20.

—— Eaux-Bonnes.

Nazarieff, N. *Le camp thermal des Eaux-Bonnes en 1936; résultats cliniques sur les enfants d'Assurés sociaux. 54p. 8° Par., 1937.

—— Eckhartsgrün.

Graf, J. B. Quelle bey Eckhartsgrün. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1:** 63–5, tab.

—— Edisi.

Edisi. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 117.

—— Eger (Czechosl.)

Dietl, A. Die Säuerlinge des Egerlandes. Balneologe, 1942, **9:** 269; 1943, **10:** 80.—**Geilner, G.** Borbonius als Förderer der Egerer Wässer. Sudhoffs Arch., 1937–38, **30:** 307–16.—**Jansen-Runge, E.** Goethe als Badegast im Egerland. Med. Welt, 1939, **13:** 609; 641.

—— Eilsen.

See subheading (Bad Eilsen)

—— Elguea.

Brodermann, J. Informe geológico e hidrológico de los manantiales minero-medicinales de Elguea, termino municipal de Corralillo. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, **1:** No. 2, 1–11.—**Embil, J., & Trelles, F.** El balneario de Elguea, Corralillo, Provincia de Santa Clara. Ibid., 12–5, pl.

—— Engelberg.

Cattani, C., & Feierabend, A. M. Gedenkblätter aus dem Alpenkurort Engelberg. 78p. 18½cm. Luzern, 1862.

—— Enghien-les-Bains.

Kisch, E. H. Enghien-les-Bains. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **4:** 483.

—— Epsom.

Neave, E. W. J. The Epsom spring. Isis, Menasha, 1942–43, **34:** 210.

—— Equi.

See subheading (Fivizzano-Equi)

—— Erguel.

Scheuchzer, J. J. Der Erguelische Gesund-Brunn. In his Hydrogr. Helvet., Zür., 1717, 274–93.

—— Erlangen.

Henrich, F. Notiz über das Wasser des Erlanger Heilbrunnens am Dietrich-Eckart-Platz. Sitzber. Phys. med. Soz. Erlangen (1935–36) 1937, **67–68:** 377.

—— Essentuki.

Alexandrov, V. A., & Pavlov, D. I. [Changes of gastric secretion and function of the intestinal tract in low acidity of the gastric juice due to the effect of the mineral water of Essentuki] Sovet. klin., 1931, **15:** 439–55.—**Cherevkov, A.** Otčety po grjazelečebnice Essentuksoj gruppy Kavkazskikh mineralnykh vod za 1906 i 1907 gg. Russ. vrach, 1907, **6:** 1713.—**Essentuki.** In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 71–3.—**Kuznecov, N., Kuznecova, L., & Pospelov, S.** [Indications for prescribing Essentuki mineral waters] Vrach. gaz., 1928, **32:** 568–71.—**Schwartz, L. S.** [Influence of the mineral water of Essentuki spring No. 17 on the secretion of gastric juice] Russ. klin., 1928, **10:** 177–87. ——— [Effect of the mineral waters of Essentuki on blood pressure] Vrach. gaz., 1930, **34:** 1139–41.—**Utkin, S. G.** [Effect of the temperature of the mineral water of Essentuki No. 17, on the motor and secretory function of the stomach] Vopr. kurort., 1941, No. 3, 23–5.

—— Euganean Hills.

See also subheading (Venezia)

Beggiato, F. S. Delle terme Euganee; memoria. 72p. 21cm. Padova, 1833.

Foscarini, G. I bagni e fanghi minerali-termali Euganei; devono usarsi freddi o caldi? 83p. 21cm. Padova, 1846.

Fumiani, P. Dell'azione delle acque e fanghi minerali-termali dei colli Euganei. 112p. 21cm. Padova, 1841.

—— Sul dubbio svolto dal dottor Giacomo Foscarini: I bagni e fanghi minerali termali Euganei devono usarsi freddi o caldi? 69p. 21cm. Padova, 1846.

Pazienti, A. Cenni storici e bibliografici intorno alle fonti Euganee. 45p. 23½cm. Venez., 1869.

Pirona, G. A. Costituzione geologica dei Monti Euganei; memoria. 74p. 21cm. Venezia, 1870.

Chinaglia, A. Le acque e i fanghi termominerali della regione Euganea. Rass. clin. ter., 1947, **46**: 123–31.—**Drigo, A.** Sul contributo delle diverse radiazioni radioattive all'azione biologica delle acque e dei fanghi della zona termale euganea. Atti Soc. med. chir. Padova, 1943, **21**: 209–19.

—— Europe.

Elliot, J. An account of the nature and medicinal virtues of the principal mineral waters of Great Britain and Ireland and those most in repute on the Continent. 238p. 20½cm. Lond., 1781.

Josset T. Les eaux naturelles; études physiologiques et médicales sur les eaux thermo-minérales salées, minérales, douces, bains et boissons, avec deux tableaux synoptiques indiquant les stations thermales et maritimes les plus renommées en France et à l'Etranger. 72p. 18½cm. Par., 1866.

Arbinet La Bessède, P. E. Etude comparative des stations hydromédicinales françaises et de l'Europe centrale. Strasbourg méd., 1935, **95**: 148–51.—**Ascensão Contreiras.** Aguas minerais da Península. Clín. hig. & hidr., Lisb., 1945, **11**: 47.—**Daniševsky, G.** Kurorty Zapadnoj Evropy [map] In: Bolsh. med. encikl., 1930, **15**: 197.—**David, A.** Le XXIIe voyage d'études médicales; stations hydrominérales et climatiques des Alpes. J. sc. méd. Lille, 1929, **47**: pt 2, 213–22.—**Sigerist, H. E.** European spas through the centuries. Ciba Sympos., 1946, **8**: 302–12.—**Some** other not-common springs at Basel and in Alsatia. Philos. Tr., Lond., 1665–66, **1**: 134–6.

—— Euzet-les-Bains.

Fabre, R. Au sujet de l'autorisation d'exploitation de la source La Valette, à Euzet-les-Bains (Gard) Bull. Acad. méd., Par., 1946, **130**: 464–6.

—— Evaux-les-Bains.

Legate. Evaux-les-Bains; son histoire ou à la recherche du temps perdu. Gaz. méd. France, 1937, **44**: No. 9, Suppl. therm., 51.

—— Evian.

See also **Balneography.**

Castagné, R., & Osborne, D. E. Sur la radioactivité des sources minérales du groupe Cachat d'Evian. C. rend. Acad. sc., 1936, **202**: 567–9. ——— Recherches en 1934 et 1935 sur la radioactivité des eaux minérales du groupe Cachat au laboratoire d'études hydrologiques d'Evian. Presse therm. clim., 1936, **77**: 543–9.—**Courjaret, J.** Les indications thérapeutiques du climat d'Evian. Gaz. méd. France, 1947, **54**: 405–7. ——— Contribution à l'étude du climat d'Evian-les-Bains. Presse therm. clim., 1947, **84**: 56–8.—**Hobbs.** La cure d'Evian et les asthéniques. C. rend. Congr. fr. méd. (1921) 1922, 15. Congr., 317–21.—**Lévy-Darras.** Les indications de la cure d'Evian. Gaz. méd. France, 1949, **56**: 544.—**Malavialle, F.** La cure hydro-minérale d'Evian. Ibid., 1937, **44**: No. 9, Suppl. therm., 55.

—— Fachingen (Wiesbaden)

Hirschberg, M. Zum Nachweis von Organwirkungen des Fachinger Mineralwassers. Zschr. ges. phys. Ther., 1933, **45**: 1–7.—**Jusatz, H. J.** Die blutzuckersenkende Wirkung des Mineralwassers Staatl. Fachingen. Deut. med. Wschr., 1933, **59**: 1124.—**Lendel.** Zur Einwirkung des Fachinger Wassers auf den Stoffwechsel. Med. Klin., Berl., 1940, **36**: 1398 (Abstr.)

—— Faenza.

Lama, A. Le acque minerali sorgenti nel Comune di Faenza; le acque di San Cristoforo di Faenza. Riv. idr. clim., 1932, **43**: 217–24.

—— Fairmount Park.

Moerk, F. N., Butts, C. A. [et al.] A survey of the springs of Fairmount Park. Am. J. Pharm., 1935, **107**: 358–72.

—— Falkenberg.

Graf, J. B. Die Quelle bey Falkenberg. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1**: 67–9, tab.

—— Farette.

Rival, R. *Contribution à l'étude de l'eau arsénicale et ferrugineuse de Farette (Savoie) [Strasbourg] 76p. 25½cm. Par., 1940.

—— Fezzan (Libia)

Zodda, A. Ricerche chimiche e considerazioni igieniche su talune acque del Fezzan. Gior. med. mil., 1936, **84**: 652–9.

—— Fidriss.

Scheuchzer, J. J. Der Fidrisser Saurbrunn. In his Hydrogr. Helvet., Zür., 1717, 238–58.

—— Filangieri water.

Kernot, F. L'Acqua Filangieri minerale, acidola, alcalina con l'analisi chimica quantitativa del professore R. Monteferrante. 84p. 23½cm. Nap., 1873.

—— Fiuggi.

Morfino, G. L'acqua di Fiuggi in Anticoli di Campagna. 32p. 22½cm. Foligno, 1884.

Statuti, A. Nuove osservazioni sulle sorgenti dell'acqua-antilitiaca dei Anticoli (Campagna) denominata di Fiuggi. 13p. 22½cm. Roma, 1883.

Intonti, R. Analisi spettrale dell'acqua Fonte di Fiuggi. Rendic. Ist. san. pubb., Roma, 1939, **2**: 747–54.—**Meccoli, V.** Contributo allo studio dell'azione diuretica delle acque oligominerali, acqua di Fiuggi. Riv. idroclim., 1941, **52**: 97; 121.—**Rem-Picci, G.** Ricerche sull'azione dell'acqua Fiuggi sul ricambio materiale con osservazioni cliniche rilevate alla stazione idrologica dal professor Alessio Nazari. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7**. Congr., 269–90.—**Ricci, A.** Autoesperienze comparative sulla diuresi da acqua di Fiuggi in bottiglia e acqua distillata, per via idropinica. Riforma med., 1949, **63**: 153–5.—**Sammartino, U.** Sull'azione fisiologica delle acque minerali; l'influenza dell'acqua Anticolana sul ricambio nucleinico e sul ricambio azotato. Arch. farm. sper., 1931–32, **52**: 121–40.

—— Fivizzano-Equi.

Maucci, O. C. Alcune osservazioni chimiche sull'acqua solforosa-radioattiva di Equi (Prov. Massa-Carrara) Riv. idroclim., 1936, **47**: 119–22. ——— Determinazione delle diuresi acquosa provocata dall'acqua solforosa-radioattiva di Equi (Prov. Massa-Carrara) Ibid., 140–4. ——— L'acqua minerale di Equi (Massa-Carrara) invecchiata da un anno, e la diuresi provocata dalla stessa nell'uomo normale. Ibid., 1937, **48**: 177–84.

—— Fixen.

Graf, J. B. Mineralquelle bey Fixen. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1**: 59–62, tab.

—— Follonica.

Orosi, G. Dell'acqua minerale magnesiaca detta acqua Giulia presso Follonica. 34p. 23½cm. Pisa, 1871.

—— Foncirgne (Ariège)

Castagné, R. L'aire d'émergence hydrominérale de Foncirgne (Ariège); hydrologie, physico-chimie des produits minéraux, bacteriologie des eaux, indications thérapeutiques. Ann. Inst. hydr., Par., 1930, **7**: 65–79.

—— Formosa.

Satō, H. Taiwan Sōzan, Hokutō onsen mizu no syokubai sayō ni tukite [Ueber die katalytischen Eigenschaften der Mineralwasser aus dem Sōzan- und Hokutō-Badeorte in Formosa] Taiwan igakkai zassi, 1940, **39**: 1863–6.

—— Fortaleza.

Prado, L. C. do. Radioatividade das águas emergentes no túnel Fortaleza. An. Ass. quím. Brasil, 1948, **7**: 171–7.

—— France.

See also **Balneography.**

Annuaire des stations hydrominérales climatiques et balnéaires de France. Par., **69.**, 1948–

Continuation of Annuaire médical des stations hydrominérales, climatiques et balnéaires de France, 1932–

Annuaire médicale des stations hydrominérales climatiques et balnéaires de France; sanatoriums, maisons de santé. 64. éd. 754p. 8°. Par., 1936.

Barbe, T. *Contribution à l'étude de quelques sources sulfureuses de Provence [Pharm.] 79p. 24cm. Marseille, 1939.

Estradère, R. H. *Le thermo-climatisme français en temps de guerre [Paris] 62p. 24½cm. Luchon, 1940.

Ferrand, F. *Contribution à l'étude hydrogéologique des vallées du Fier et du Lac d'Annecy. 205p. 8° Lyon, 1935.

Levy, M., Philbert [et al.] Eaux minérales de La Savoie; Brides, Salins, la Bauche, Challes, Aix, Marlioz, Saint Simon, Coise, Saint Gervais, Lacaille, Evian et Amphion, et Chamonix. 48p. 16cm. Par., 1880.

Morel, J. *Etude sur les eaux potables et minérales des vallées du Drac et de la Romanche. 170p. 8° Lyon, 1935.

Pascal, J. F. J. *Société Royale de médecine et eaux minérales. 125p. 8° Par., 1934.

Abbatucci. Les stations hydro-minérales des colonies françaises. Rapp. Congr. san. pub., Marseille, 1922, 3. Congr., 249–62.—**Analyse** des eaux minérales de Vittel et de Contrexéville (Vosges) Ann. Inst. hydr., Par., 1935, **10:** 1–41.—**Armand, L.** Considérations hydrologiques sur quelques sources minérales du Massif Central. Ibid., 1933–34, **9:** 221–41.—**Astre, G.** Les eaux thermo-minérales des Pyrénées françaises et leurs groupements géologiques. Rapp. Congr. internat. hydr. clim., 1933, 14. Congr., 299–321.—**Béton** (Le) armé thermal. Aristote, Par., 1932, **7:** 11.—**Blanc, G. A.** Sur la nature des éléments radioactifs contenus dans les sédiments des sources thermales d'Echaillon et de Salins-Moutiers, Savoie. C. rend. Congr. internat. radiol. ionis. (1905) 1906, 1. Congr., Sect. phys., French pt, 71–9; Disc., p. xlvi.—**Carnot, P.** Sur les stages aux stations hydrominérales faits en 1939 par les candidats au prix Vulfranc-Gerdy. Bull. Acad. méd., Par., 1940, 3. ser., **123:** 313.—**Charonnat, R., & Roche, S.** Le fluor des eaux minérales françaises. C. rend. Acad. sc., 1934, **199:** 1325–8. Also Presse therm. clim., 1935, **76:** 767.—**Clogne, P., Drilhon, A., & Ronez, E.** Essai d'étude physiologique des eaux minérales de la Bourboule et du Mont-Doré. Ann. Inst. hydr., Par., 1935, **10:** 74–82.—**David, A.** Les stations thermales du Centre de France; notes de voyage. J. sc. méd. Lille, 1928, **46:** pt 2, 233; 249; 274. ——— Les stations thermales et climatiques de l'est de la France. Ibid., 1930, **48:** pt 2, 245–60.—**Fabre.** Sur une demande d'exploitation d'une source d'eau minérale. Bull. Acad. méd., Par., 1943, **127:** 732–5.—**Filhol, E.** Note sur deux eaux minérales des Pyrénées. J. chim. méd., Par., 1865, 5. ser., **1:** 248–50. Also J. méd. Toulouse, 1865, 4. ser., **4:** 80.—**François, P.** Les indications de la cure stimulante de Salins-Moutiers associée à la cure de Brides. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 149–51.—**García-Fernández, E.** Les réactions chimiques de soufre libre et du soufre combiné; application à la détection du soufre libre dans certaines eaux minérales de France. Bull. Soc. chim. France, 1949, 430–3.—**Gastaud.** Les stations thermales et climatiques dans les Colonies françaises. Grand. endém. trop., 1937, **9:** 5–21.—**Grollet, L.** Réflexions sur une eau peu connue. Rev. path. comp., Par., 1949, **49:** 539.—**Guiart, J.** Le Gaule et la médecine gauloise; les villes d'eau de la Gaule Romaine. Biol. méd., Par., 1938, **28:** 385; 421.—**Hugonot & Andrieu.** L'utilisation des ressources hydrominérales françaises par le Service de santé militaire. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 247–56.—**Leray, J.** Brides-les-Bains et Salins-Moutiers: leur indications; leur techniques. Gaz. méd. France, 1937, **44:** No. 9, Suppl. therm., 31–3.—**Liste** des stations hydrominérales et climatiques établie à la date du 1er janvier 1936. Bull. Min. san. pub., Par., 1936, 119–22.—**Lugez, A.** Le V. E. M. de 1938; aux stations thermales des Vosges. J. obst. gyn., Lille, 1939, **10:** 11–20, pl. (group portr.)—**Mager, H.** L'eau H. M. amétallique. Presse therm. clim., 1936, **77:** 157. ——— Les Eaux de la barysphère; l'eau H. M. Ibid., 1938, **79:** 117.—**Molinéry, R.** Contribution à l'histoire des stations thermales françaises. Ibid., 1936, **77:** 12. ——— Les eaux minérales et la Révolution française. Tr. Soc. hist. pharm., Par., 1941, 25.—**Monsseaux.** Sur le traitement hydrominéral des pyélonéphrites par les eaux diurétiques vosgiennes. P. verb. Ass. fr. urol., 1919, **19:** 104–9.—**Morlet, A.** Le rocher et la source des Célestins. Presse therm. clim., 1948, **85:** 197–200.—**Neuvième** (Le) voyage d'études de la Faculté de médecine de Montpellier aux stations hydro-minérales et climatiques (Alpes de Savoie et bords du lac Léman) Montpellier méd., 1932, **2:** 148–223.—**Observations** sur les eaux minerales de plusieurs provinces de France, faites en l'Academie royale des sciences, en l'année 1670, & 1671, par le Sieur du Clos, conseiller & médecin ordinaire du Roy, de la dite Academie, Paris, 1675 [Bk Rev.] Philos. Tr., Lond., 1676–78, **11:–12:** 612–21.—**O'Followell, L.** De minimis curare debet medicus (stations d'eaux minérales) Union méd., Par., 1948, **28:** 113–9.—**Pieri, J., & Panzani, R.** Les ressources hydro-minérales de l'empire. Méd. trop., Marseille, 1948, **8:** 51–9.—**Pinilla, R.** Les services sanitaires dans les villes d'eaux. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 583.—**Rimattei, F.** Deux stations d'eaux sulfurées calciques de Provence; Gréoux, Basses-Alpes, et Camoins-les-Bains; Marseille. Paris méd., 1939, **111:** 313–7.—**Robin, A.** Les eaux minérales françaises; leur avenir. Conf. Ass. fr. avance. sc., 1916–17, 287–307.—**Rochaix, A.** La législation protectrice des eaux minérales et des stations hydrominérales en France. Gaz. méd. France, 1936, **43:** Suppl. therm., 27–31.—**Santenoise, D., Merklen, L.** [et al.] Action hypotensive de quelques eaux minérales de l'est de la France. Paris méd., 1938, **107:** 322–8.—**Schoeller, H.** La température des sources de la vallée de Luz et de Gavarnie, Hautes-Pyrénées. J. méd. Bordeaux, 1940, **117:** pt 1, 104–7.—**Silvestre.** A propos des cures de St-Honoré et du Mont-Dore. Presse therm. clim., 1948, **85:** 187.—**Siredey, A.** Sur les travaux envoyés à la commission des eaux minérales pour le concours annuel. Bull. Acad. méd., Par., 1935, 3. ser., **114:** 398–415.—**Stations** hydrominérales. Annuaire stat. hydromin. &c. France, 1948, **69:** 99–266.—**Taking** the cure; observations at some French spas. Lancet, Lond., 1949, **2:** 1187–92, illust.—**Thermo-climatisme** (Le) en France à travers l'histoire. Praxis, Bern, 1942, **31:** 440; passim.—**Urbain, P.** Outillage et aménagement de la station thermale. Techn. san. mun., Par., 1946, **41:** 18–30.—**Uzan, M.** Petit memento hydrologique. In his Année hydroclim., Par. (1934) 1935, 161–77.—**Vers** une classification des stations climatiques. Concours méd., 1942, **64:** 277.—**Voyage** d'études de la Faculté de médecine de Montpellier aux stations hydro-minérales des Hautes-Pyrénées; Pentecôte 1939. Languedoc méd., 1939, **31:** 369–76.

—— Franco.

Fioravanti, C. Cenni sopra la nuova fonte minerale del Franco. 16p. 21cm. Padova, 1853.

—— Františkovy Lázně.

See next subheading.

—— Franzensbad.

See also **Balneography.**

Glaser, E., & Ranftl, F. Zur Kenntnis der Heilwirkung der Eisenquellen in Franzensbad. Münch. med. Wschr., 1939, **86:** 997–1000.—**Hadač, E.** Klíčení a růst rostlin v minerálních vodách Františkových Lázní. Věst. Cesk. fysiat. spol., 1948, **27:** 239–50.—**Kisch, E. H.** Franzensbad. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **5:** 196–8.—**Komma, E.** Kohlensäureverluste bei der Trinkkur mit Franzensbader Heilquellen und deren Vermeidung durch ein neuartiges Trinkverfahren. Wien. med. Wschr., 1947, **97:** 474–7.—**Kosmath, W.** Berechnung der mittleren CO_2-Exhalation aus der freien Oberfläche des Badewassers der Kohlensäurebäder in Franzensbad (Sudetengau) Balneologe, 1943, **10:** 252–4. ——— Luftkohlendioxydmessungen im Gasbad in Franzensbad; ein Beitrag zur Badeklimaforschung. Ibid., 296–301.

—— Fratta.

See under subheading (Bertinoro-Fratta)

—— Fuchsmühl.

Graf, J. B. Mineralquelle bey Fuchsmühl. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1:** 47–50, tab.

—— Galvanina water.

See subheading (Monte Paradiso, Rimini)

—— Gecking.

Graf, J. B. Schwefelquelle bey Gecking. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1:** 135–9, tab.

—— Genga.

Saccardi, P., & Deliana, N. Referto di analisi completa dell'acqua minerale delle Terme di S. Vittore in Genga, Ancona. Riv. idroclim., 1941, **52:** 49–56.

—— Georgia (U. S.)

Georgia Warm Springs Foundation. Annual report for the fiscal year ended September 30, 1940, including a brief history of the Foundation and a summary of its activities since its organization in 1927. 56p. 22cm. Warm Springs, 1940.

McCallie, S. W. A preliminary report on the mineral springs of Georgia. 190p. 20cm. Atlanta, 1913.

Forms Bull. No. 20, Geol. Surv. Georgia.

—— Germany.

See also **Balneography.**

Bley, L. F. Taschenbuch für Aerzte, Chemiker und Badereisende. 504p. 18cm. Lpz., 1832.

Graf, J. B. Versuch einer pragmatischen Geschichte der baierischen und oberpfälzischen

Mineralwässer. 1. Bd. 144p. 20½cm. Münch., 1805.

—— [The same] Bd 2. p.147–360. 20cm. Münch., 1805.

James, C., & Aud'houi, V. Eaux minérales de l'Allemagne. p.212–64. 19cm. Par., 1889.
In their Guide prat. eaux minér., 13. ed.

Kukowka, A. Die Heilquellen und Bäder Thüringens und allgemeine Darlegungen über die Bäderheilkunde. 327p. 22cm. Rudolstadt, 1948.

Oort, M. J. F. E. van. Uebersicht über die wichtigsten Bade- und Kurorte, unter besonderer Berücksichtigung der in ihnen vorkommenden Mineralquellen. p.1–104. 15½cm. Lpz., 1930.
In 2. Beih., Reichs-Med. Kalend.

Schirmer, M. Verzeichnis von Heilanstalten. p.482–561. 20½cm. Berl., 1914.
In: Ther. prakt. Arzt. (Müller, E.) Berl., 1914, 2:

Account (An) of an odd spring in Westphalia, together with an information touching salt-springs and the straining of salt-water. Philos. Tr., Lond., 1665–66, **1**: 127.—**Hellmich, E.** Kurorte und Heilanstalten des Sudetengaues. Med. Welt, 1939, **13**: 607–9.—**Hinsdale, G.** Bad Nauheim and Wiesbaden. Med. Rec., N. Y., 1937, **146**: 537–9.—**Keilhack, K.** Heilquellen und Heilbäder, die im Deutschen Bäderbuche fehlen. Med. Welt, 1936, **10**: 588–97.—**Knetsch, G.** Ueber die Mineralquellen im nordöstlichen Bayern unter besonderer Berücksichtigung der Kohlensäurewässer. Balneologe, 1938, **5**: 337–50.—**Kohl, E.** Radiumhaltige Erze und Wässer in Deutschland. Zschr. Kurortwiss., 1932–33, **2**: 562–4.—**Mestwerdt, A.** Die Mineralquellen des nordwestdeutschen Berglandes nach ihrer Eigenart, Entstehung und räumlichen Verteilung Balneologe, 1941, **8**: 225–32.—**Pax.** Ueber faunistische Untersuchungen an deutschen Heilquellen. Ibid., 1942, **9**: 222.—**Richest** (Of the) salt-springs in Germany. Philos. Tr., Lond., 1665–66, **1**: 136.—**Schäfer, M.** Ueber den alten Heilbäderbetrieb in Niedersachsen, Westfalen und Lippe mit besonderer Berücksichtigung von Bad Pyrmont und Bad Salzuflen. Balneologe, 1936, **3**: 515–24.—**Stephenson, T.** The spas of Germany; Nauheim and Wiesbaden, an impression. Prescriber, Edinb., 1931, **25**: 95–101.—**Vogt, H., & Evers, A.** Indikationen der deutschen Heilquellen. Klin. Fortbild., 1937, **5**: 350–73.—**Ward, G. E. S.** Spa treatment in Germany. Middlesex Hosp. J., 1932, **206**: 274–83.—**Zörkendörfer, W.** Deutsche Glaubersalz- und Bitterquellen. Münch. med. Wschr., 1937, **84**: 1086–9.

—— Graubünden (Switzerland)

See also towns of this canton.

Biengräber, H. P. Heilquellen und Bäder Graubündens. 13p. 24cm. Chur, 1917 [?]

Goll, F. Die Heilquelle Pignieu-Andeer im Schamser-Thale, Ct. Graubünden. 2. Aufl. 56p. 18cm. Zür., 1883.

Mengold, W. Höhen- und Längenangaben für die Postrouten, Bad- und Luftkurorte im Kanton Graubünden. 21 l. 12cm. Chur, 1876.

Nussberger, G. Heilquellen und Bäder im Kanton Graubünden. 137p. 22cm. Chur, 1914.

—— & His, H. Neue Analysen bündnerischer Mineralquellen. 21p. 22½cm. Chur, 1913.
Also in Jahrber. Naturforsch. Ges. Graubündens 1913, **54**:

Planta, A. v. Die Heilquellen zu Alveneu, Tiefenkasten und Solis im Kanton Graubünden. 41p. 21½cm. Chur, 1865.

Weber, V. Das Schwefelbad zu Alveneu im Kanton Graubünden nebst den benachbarten Mineralquellen von Tiefenkasten und Solis. 87p. 18cm. Chur, 1868.

—— Great Britain.

Castro Sarmento, J. de. Do uso e abuso das minhas agoas de Inglaterra. 291p. 23cm. Lond., 1756.

Deane, E. Spadacrene Anglica; or, The English spa foundation. 138p. 19cm. Bristol, 1922.

Guidott, T. A discourse of Bath and the hot waters there, also, some enquiries into the nature of the water of St. Vincent's Rock, near Bristol, and that of Castle-Cary. 2. ed. p.1–144. 20cm. Lond., 1725.
In his Collect. Treat. City of Bath.

Aldred-Brown, G. R. P. The spa as a national asset in the maintenance of physical fitness. Prescriber, Edinb., 1938, **32**: 63–6.—**Boddington, J. E.** Spas. Med. Press, Lond., 1947, **217**: 295.—**British** (Our) spas. Prescriber, Edinb., 1939, **33**: 69.—**Buckley, C. W.** British spas. J. Chart. Soc. Massage, Lond., 1932, Spec. Congr. No., 72–9. —— The future of the British spas. Brit. J. Phys. M., 1943, **6**: 132–5. —— **Thomson, F. G.** [et al.] Discussion on the indications for the use of radio-active thermal waters in Great Britain. Proc. R. Soc. M., 1936–37, **30**: 827–34.—**Cox, A.** The spas of Great Britain in 1939. Prescriber, Edinb., 1939, **33**: 71–7.—**Descriptive** list of spas. Ibid., 1931, **25**: 109; 1934, **28**: 85.—**Ellis, H. A.** Reaction-values of British waters (relation to acid and alkaline constitutions) Arch. M. Hydr., Lond., 1927, **5**: 285–7.—**Fox, R. F.** Spa treatment in the British Isles; the scope of waters, internally and externally. Prescriber, Edinb., 1929, **23**: 81–3.—**Lewis, S. J.** British spa waters. Chemist & Druggist, Lond., 1937, **126**: 777–80.—**Lister, M.** De fontibus medicatis Angliae [Bk Rev.] Philos. Tr., Lond., 1683–84, **13–14**: 59; 579. —— Certain observations of the Midland salt-springs of Worcestershire, Staffordshire and Cheshire. Ibid., 489–95.—**Monro.** Mémoire sur les eaux minérales et sulfureuses de Castle-Loed & Fairburn dans le Comité de Voss, de Pitkeathly, dans le Comité de Perth en Ecosse. Observations (Rozier) Par., 1773, **2**: pt 2, 41–7.—**Pringle, G. L. K.** British spas. Brit. M. J., 1943, **2**: 340.—**Stephenson, T.** The British spas revisted. Prescriber, Edinb., 1933, **27**: 79–91. —— The spas of Scotland. Ibid., 1936, **30**: 84–8.—**Todd, H.** An account of a salt spring, and another medicinal spring, on the banks of the River Weare. Philos. Tr., Lond., 1683–84, **13–14**: 726–9.

—— Grossalbertshofen.

Graf, J. B. Heilbrunnen zu Grossalbertshofen. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1**: 83–94, tab.

—— Guadeloupe.

Petit, A. C. *Les stations climatiques et hydro-minérales de l'île de La Guadeloupe. 35p. 24cm. Par., 1939.

—— Guarapuava.

Lacerda, D. T. de. Aguas mineraes do Paraná; as fontes hidromineraes de Guarapuava. Rev. méd. Paraná, 1940, **9**: 330–3, tab.

—— Guatemala.

Soto de León, C. E. *Contribución al estudio químico de las fuentes minero-medicinales de Guatemala; aguas amargas. 23p. 27½cm. Guatemala, 1921.

Ovalle, C. L. Contribución al estudio de las aguas minerales de Guatemala, Fuente de Serchil. Esc. farm., Guatemala, 1948–49, No. 140, 6.

—— Guitiriz.

García Ayuso, J. Guitiriz, como estación creno-climática en pediatría. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **1**: 841–3. —— Indicaciones diferenciales del agua de Guitiriz en las afecciones digestivas. Ibid., 844.

—— Gurgitello fountain.

See subheading (Casamicciola)

—— Hakuzan.

Koike, K., Gotō, T. [et al.] Hakuzan (Itinose) Onsen no seiri-teki narabi-ni tikō-teki sayō ni kan-suru ni-san no zikken [A few experiments on the physiological and therapeutic action of Hakuzan (Itinose) Hotspring] Zyūzenkai zassi, 1929, **34**: 518–28, 3 tab.

—— Hammam-bou-Hadjar.

Jaubert, M. *Contribution à l'étude générale des eaux thermales d'Hammam-bou-Hadjar [Marseille] 53p. 25cm. Brive, 1939.

—— Hammam-Lif.

Saada, C. *Contribution à l'étude des eaux thermominérales d'Hammam-Lif. 59p. 24½cm. Marseille [?] 1933.

—— Hammam-Mélouane.

Lacroix & Bensimon. Action des eaux d'Hammam-Melouane sur les voies biliaires et les sucs digestifs de l'homme. Algérie méd., 1940, 4. ser., **44**: 81–5.—**Pellet.** Thermalisme conjugué franco-algérien; Bourbonne et Hammam-Mélouane. Presse therm. clim., 1938, **79**: 162–4.

—— Hammam-Meskoutine.

Fiorini, S. *Hammam Meskoutine, antique station thermale [Alger, Pharm.] 127p. 25cm. Par., 1935.

Febvre, J. Résultats obtenus à Hammam-Meskoutine pendant la saison 1948. Cah. méd., Alger, 1948, **3**: 571.—**Lacroix, Assan** [et al.] Crénothérapie à Hammam-Meskoutine. Ibid., 1949, **4**: 129–37.—**Uzan, M.** Quelques recherches biologiques sur les eaux thermo-minérales de Hammam-Meskoutine (Constantine) Presse therm. clim., 1947, **84**: 241–3.

—— Hammam-Righa.

See also **Balneography.**

Lacroix. Essai d'hydrologie expérimentale sur les eaux d'Hammam-Righa; source Tolba. Algérie méd., 1936, **40**: 153–6.

—— Hanamaki onsen.

Katō, S. Iwate-ken Hanamaki Onsen ni okeru Onsen Ryōyō Sōdanzyo tyōsa seiseki [Results of investigation of the Information Bureau of the Hotspring Sanatorium in Hanamaki Hotsprings in Iwate Prefecture] Tōhoku igaku zassi, 1942, **31**: 478–83.

—— Hardek.

Graf, J. B. Mineralquelle bey Hardek, ohnweit dem Waffenhammer. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1**: 41–6, 2 tab.

—— Harrodsburg Springs.

VanArsdall, C. A. A medical history of the Harrodsburg Springs. Bull. Hist. M., 1949, **23**: 387–418.

—— Harrogate.

See also **Balneography.**

Bain, W. The pharmacological action of the Harrogate drinking waters. 53p. 8° Lond., 1935.

Harrogate (The) Spa medical journal, devoted to spa research and treatment. Harrogate, v.**1**, 1938–

Rush, B. Directions for the use of the mineral water and cold bath at Harrogate. 12p. 8° Phila., 1786.

Douglas-Wilson, H. Historical note on radio-active properties of the Harrogate sulphur waters. Harrogate Spa M. J., 1938, **1**: 19.—**Mortimer, A.** Harrogate; its development as a spa. Prescriber, Edinb., 1926, **20**: 97–103.—**Pringle, G. L. K.** The Harrogate Royal Bath Hospital. Ibid., 1939, **33**: 78.—**Tarapore, P. K.** A visit to Harrogate spa. J. Ind. M. Ass., 1935–36, **5**: 13–5.—**Woodmansey, A.** Some chemical features of the Harrogate waters. Prescriber, Edinb., 1924, **18**: 103–6. ——— Barium in Harrogate waters. Ibid., 1925, **19**: 106–8. ——— Nature of the Harrogate waters. Harrogate Spa M. J., 1938, **1**: 17. ——— Analysis of Harrogate fango (therapeutic mud) Ibid., No. 2, 29. ——— The Harrogate silicate spring. Ibid., 1941, **3**: 7–10.

—— Haut-Vallespir.

Neyrolles, J. *Les eaux du Haut-Vallespir, Catalogne [Pharm.] 126p. 25½cm. Montpel., 1935.

—— Hebe water.

See under subheading (Romania)

—— Helouan.

Gastinel, J. B. Etude topographique, chimique et médicale des eaux thermales salino-sulfureuses de Hélouan, près Tourrah, moyenne Egypte. 24p. 23½cm. Cairo, 1868.

Kisch, E. H. Helouan. In: Real encyl. d. ges. Heilk., 4. Aufl., Berl., 1909, **6**: 360.—**May, W. P.** Helouan as a health resort. In: Mediterranean Winter Resorts (Reynolds-Ball, E. A.) Lond., 6. ed., 1908, **2**: 491–5.—**Tagher, A.** Preliminary observations on the recently discovered source at Heluan. J. Egypt. M. Ass., 1939, **22**: 630–4.

—— Heppingen.

Etude sur l'eau minérale naturelle d'Apollinaris; son emploi comme eau de table dans la prophylaxie des maladies épidémiques. 72p. 23cm. Par., 1879.

—— Herefordshire.

B. An account of some sanative waters in Herefordshire. Philos. Tr., Lond., 1665–66, **1**: 358.

—— Herkulestürdő.

Suhateanu, C., & Tanasescu, D. Sur l'administration parentérale des eaux minerales dans la station de Baile Herculane, Roumanie. Mişc. med. român., 1937, **10**: 590–2.

—— Hervideros de Cofrentes.

Alcober, T., & Garrigues, A. Las aguas del manantial de los Hervideros de Cofrentes. Med. espan., 1947, **17**: 446–51.

—— Hévíz.

Moll, K. [Therapeutic factors of Bath Héviz] Budapesti orv. ujs., 1937, **35**: 570–2. ——— [Héviz and its balneological value] Ibid., 1939, **37**: 642–4.

—— Hot Springs (N. Carol.)

Stose, G. W., & Stose, A. J. Origin of the hot springs at Hot Springs, North Carolina. Am. J. Sc., 1947, **245**: 624–44.

—— Hot Springs National Park.

Garnett, A. L. Thermal waters. Tr. M. Ass. Alabama, 1874, **27**: 384–9.

—— Hronov.

Janáček, J. Nové zřídlo minerální vody v Hronově n. Met. 21p. 27½cm. Praha, 1944.

Forms No. 47, v.**53**, Rozpr. Ceské akad., mat. přírod. tř. (1943) 1944.

Also Bull. internat. Cl. sc. math. Acad. sc., Praha (1943) 1944, **44**: 606–24, illust.

—— Hukuroda onsen.

Hukusima, H. Hukuroda onsen no seibutu [Living things in Hukuroda hot-springs] Igaku & seibutugaku, 1949, **14**: 67; passim.

—— Hungary.

Chyzer, K. Die Kurorte und Heilquellen Ungarns; Auszug aus dem ungarischen Originaltext. 120p. 180mm. Sátoralja-Ujhely, 1885.

Lengyel, D. Die Heilquellen und Bäder Ungarns, Siebenbürgens, Croatiens sammt Slavonien, der serbischen Wojwodschaft, des Temeser Banats und der Militärgrenzländer in medicinisch-statistischer Hinsicht. 336p. 18cm. Pest, 1854.

Acqua della regina d'ungheria. Malati medici medicine, 1947, **16**: No. 2, 3.—**Kunszt, J.** [Health resorts and mineral waters of the repossessed northern Hungarian territories] Orvostud. közl., 1940, **1**: 198–200.—**Magyary-Kossa, G. v.** Aqua Reginae Hungariae. In his Ungar. med. Erinner., Bpest, 1935, 238–42.—**P., G.** Budapest lakosainak gyógy- (keserűvíz) és ásványvíz-fogyasztása az 1940. évben. Statiszt. ért., 1941, 149–51.—**Papp, F.** Forrás- és fürdőmegfigyelő állomást létesitett a Központi bizottság. Népegészségügy, 1940, **21**: 967–9. ——— Gyógyforrásaink állapota hydrologiai szempontból. Orv. hetil., 1949, **90**: 798.—**Pöltzel, J.** Az erdélyi részekkel visszakerült fürdők, gyógy- és ásványvizek. Népegészségügy, 1940, **21**: 973–8.

—— Hunyadi János bitter water.

See under subheading (Budapest)

—— Iisaka onsen.

Oikawa, S., & Ohkubo, Z. Iisaka Onsen Ryōyō-Sōdanzyo tyōsa seiseki narabi-ni onsen no syokubai sayō oyobi iekibunpi ni oyobosu eikyō ni tukite [Results of investigation of the Information Bureau of Iisaka Hotspring Sanatorium, and the catalysing action of hotsprings and its effect upon the secretion of the gastric juice] Tōhoku igaku zassi, 1942, **31**: 265–73.

—— Ikaho onsen.

Hattori, Y., & Huzii, K. Kōsen no syokubai sayō ni kansuru kenkyū; Ikaho-onsen no syokubai sayō ni tuite [Studies on the catalytic action of mineral springs; the catalytic action of Ikaho Hotspring (in Gunma Prefecture)] Eisei sikenzyo ihō, 1943, 7–13.

—— India.

Rao, M. R. S. Mineral springs of India. Current Sc., Bangalore, 1948, **17**: 85.

—— Indonesia.

Brues, C. T. Studies on the fauna of some thermal springs in the Dutch East Indies. Proc. Am. Acad. Arts Sc., 1938–39, **73:** 71–95.

—— Iran.

Horavi. Les eaux minérales de l'Iran. Rev. méd. hyg. trop., Par., 1936, **28:** 355–67.

—— Ireland.

Rutty, J. An essay towards a natural, experimental and medicinal history of the mineral waters of Ireland. 478p. 20½cm. Dubl., 1757.

—— Ischia.

Chevalley de Rivaz, J. E. Description des eaux minéro-thermales et des étuves de l'Ile d'Ischia. 2. éd. 157p. 18½cm. Nap., 1835.

Fazio, E. Inaugurazione delle terme di Porto d' Ischia. 16p. 16cm. Nap., 1881.

—— Guida alle terme di Porto d'Ischia (isola d'Ischia) grande stazione balneoterapica. 7p. 18cm. Nap., 1883.

Mène, C., & Roccatagliata. Analyses de quelques sources thermales di l'Ile d'Ischia près de Naples (Italie) 8p. 18½cm. Par., 1868.

Abbamonte, M. E. La sorgente Mirtina in Ischia. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 381–97.—**Boues** (Sur les) médicinales de l'île d'Ischia. J. chim. méd., Par., 1866, 5. scr., **2:** 274–6.—**Mennella, C.** Parallelo termo-udometrico Napoli-Isola d'Ischia. Clin. term., Roma, 1948, **1:** 271–9.—**Pansini, G.** Ischia idrotermale. Ibid., 269–71.—**Sancio, A.** Per erigersi uno stabilimento di acque termo-minerali in Casamicciola d'Ischia. Filiatre sebezio, Nap., 1842, **23:** 239–43.

—— Italy.

Carrara Zanotti, L. Una gità nelle valli della Staffora e della Trebbia. 64p. 18cm. Voghera, 1880.

Colliex, I. Relazione e progetto di una legislazione sugli stabilimenti balneari d'acque minerali, termali; stazioni climatiche e marittime. 11p. 21½cm. Fir., 1888.
In: idr. clim. med., 1888, **10:**

Geraci, P. Le acque sante, Ossia, i bagni termo-minerali di Gerace (già di Locri) 16p. 20cm. Reggio Calabria, 1875.

Lorenzutti, L. Delle fonti termali della nostra provincia. 31p. 22½cm. Trieste, 1878.

M., L. Guida alle acque minerali ed ai bagni d'Italia. 138p. 18½cm. Siena, 1865.

Messini, M., & Meccoli, V. Clinica e terapia idrologica; acque minerali italiane. 302p. 19cm. Fir., 1940.

Orosi, G. Delle acque purgative di Valle Corsa e di Collinaja, presso Livorno. 40p. 23cm. Livorno, 1848.

Bizzarrini, G. Ancora sulla valorizzazione delle acque termo-minerali del mezzogiorno. Boll. Ord. med. chir. Napoli, 1949, **26:** 9.—**Degli Innocenti, G.** Le risorse minerarie toscane nel Viaggio mineralogico di G. Giuli. Riv. stor. sc. med., 1933. **24:** 165–71.—**Elenco** dei comuni e delle frazioni di comune dove scaturiscono le sorgenti di alcune fra le principali acque minerali italiane. In: Tratt. crenoter. (Trambusti, A.) Milano, 1927, 260–300.—**Giordanelli, R.** La polivalenza curativa delle Terme Luigiane e la definitiva sistemazione delle medesime. Riv. idroclim., 1935, **46:** 362–7.—**Gollob, H., & Thanhäuser, M.** Wo waren die Römerquellen von Carnuntum? Wien. med. Wschr., 1940, **90:** 993.—**Guidi, G.** Il patrimonio idrologico della Toscana, Umbria, e Marche. Forze san., Roma, 1940, **9:** No. 12, 45–53.—**James, C., & Aud'houi, V.** Eaux minérales de l'Italie. In their Guide prat. eaux minér., 13. ed., Par., 1889, 265–91.—**Monti, G.** Risorse naturali d'Italia; il patrimonio idro-talasso-climatico nazionale. Riv. ital. ig., 1946, **6:** 147–65.—**Piccinini, P.** Alcune caratteristiche della idrologia italiana atte a distinguerla nei confronti internazionali. Italia med., 1947, **15:** July, 2.—**Russo, M.** La stazione idrominerale salso-bromoiodica di Margherita di Savoia. Fol. med., Nap., 1939, **25:** 182–95.—**Saccani, E.** Migliore utilizzazione delle risorse del sottosuolo nazionale nell'interesse e per lo sviluppo delle nostre industrie idrotermali. Riv. idroclim., 1939, **50:** 77–9.—**Susanna, V.** Richerche sull'assorbimento enterico delle acque del Muraglione e dell'acqua media (sorgenti Vanacore) di Castellammare di Stabia. Fol. med., Nap., 1940, **26:** 704–21.—**Testoni, P.** Azione di alcune acque minerali italiane sull'epitelio vibratile dell'esofago di rana. Boll. Soc. ital. biol. sper., 1933, **8:** 74–7. Also Boll. Accad. med. Roma, 1934, **60:** 261–7. ——— & **Cerrina, C.** Di un nuovo metodo per lo studio dei movimenti delle ciglia esofagee della rana; azione delle acque minerali di S. Pellegrino e di S. Vincent sull'epitelio vibratile. Arch. ital. sc. farm., 1937, **6:** 391–420.—**Valorizzazione** (Per la) del patrimonio idrominerale italiano. Minerva med., Tor., 1940, **31:** pt 1, Varia, 452–60.

—— Itaparica.

Oliveira, E. de S. Em tôrno da água de Itaparica. An. Fac. med. Bahia, 1940–41, 199–222, 5 pl.

—— Itinose onsen.

Tanaka, S., Yamazaki, S. [et al.] Kōzan kankyō narabi-ni onsen no zin-tai ni oyobosu eikyō ni tuite; Siroyama oyobi Itinose Onsen no bu [On the effect of a high mountain environment and hot springs upon the human body; Siroyama Mountain and Itinose Hot springs] Zyūzenkai zassi, 1931, **36:** 2090–113.

—— Iwonicz.

Papierkowski, J. Die pharmakodynamischen und therapeutischen Eigenschaften der Karol-Quelle in Iwonicz (Polen); Untersuchungen aus dem Gebiet der experimentellen Hydrologie. Balneologe, 1936, **3:** 359–73. ——— [Iwonicz mineral springs; acid-saline-alkaline iodine-bromide, from the view point of scientific investigations] Med. prakt., Poznán, 1936, **10:** 364–72. ——— [Effect of certain mineral springs in Iwonicz (Poland) on alcaline reserve of the blood] Polska gaz. lek., 1936, **15:** 393–5. ——— [Effect of water of the spring Amelia in Iwonicz on the smooth muscles of isolated organs] Ibid., 1937, **16:** 398. ——— [Therapeutic value of Iwonicz-Zdroj Sanitarium] Acta baln. polon., 1939, **2:** No. 7, 26–33.

—— Izhevsk.

Izhevskie mineralnye vody. In: Bolsh. med. encikl., 1930, 11: 180.—**Koroleva, L. P.** [Rate of elimination of the mineral water of the Izhevsk Spring from the stomach and its effect from the surface of the duodenum on gastric secretion] Kazan. med. J., 1941, **37:** No. 2, 28–32.—**Teregulov, A. G.** [On the efficacy of therapy with the Izhevsk mineral water] Ibid., 1939, **35:** No. 5, 3–12.

—— Jaén-Marmolejo.

Castillo de Lucas. Las aguas minero-medicinales de Jaén-Marmolejo y su literatura popularizada. Domus medici, Madr., 1949, 3. época, 81.

—— Japan.

Hot (The) springs of Japan (and the principal cold springs) including Chosen (Korea) Taiwan (Formosa) South Manchuria. 486p. 16cm. Tokyo, 1922.
Forms v. A, Offi. Guide Bks Jap. Gov. Railw.

Iimori, S. Honpō kōsen sū rei no radon gan-yū-ryō [The radon content of several Japanese mineral springs] Rikagaku kenkyuzyo ihō, 1937, **16:** 1471–8.—**Oana, S.** Karte und Verzeichnis der Heilquellen Mitteljapans. Mitt. Deut. Ges. Naturk. Ostasiens, Tokyo, 1943, **33:** E, 1–5.—**Sakai, T.** Waga onsen no yūetu-sei wo kataru [The superior nature of the hotsprings in Japan] Tiryō, 1947, **29:** 262.—**Soda, T.** Nippon onsen ryōhō no kigen ni kan-suru kōsatu [Observations on the origin of balneotherapy in Japan] Zissen irigaku, 1933, **13:** 89; passim.

—— Kakeyu onsen.

Nakamura, S. Kakeyu [Kakeyu Hotspring (in Nagano prefecture)] Zissen irigaku, 1933, **3:** 95–9.

—— Karachi.

Petrov, A. P. [Rationing of therapeutic mud at the health resort Karachi] Med. biull., Irkutsk, 1939, No. 3, 50–60.

—— Karlsbad.

See also **Balneography.**

Becher, K. Badeanstalten und Brunnen-Kolonnaden. p.221–80. 27cm. Karlsbad, 1902.
Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902.

Fleckles, L. Zur Balneotherapie der Carlsbader Heilquellen mit besonderer Rücksicht auf ihre Gegenanzeigen in einigen chronischen Krankheiten. 19p. 23cm. Lpz., 1875.

Karlsbad. Town Council. Karlsbad, the queen of European spas. 64p. 19½cm. Karlsbad, 1914.

KNETT, J. Der Boden der Stadt Karlsbad und seine Thermen. p.3–114. 27cm. Karlsbad, 1902.

Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902.

Bibliographie; medicinisch-balneologische und topographisch-belletristische Literatur über Karlsbad. Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902, 719–93.—**Cmunt, E., & Teisinger, J.** Effet de la cure par la boisson de l'eau Karlovy Vary, Carlsbad, sur la régulation de l'équilibre acido-basique et sur le taux du calcium dans le sang. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 369–72.—**Cmunt, E., & Věšín, S.** Changements de l'index phagocytaire du sang pendant la cure par l'administration de l'eau de Karlovy Vary. Ibid., 365–8.—**Glaser, E., & Ranftl, F.** Wie wirkt der Karlsbader Sprudel entgiftend auf den Organismus? Wien. med. Wschr., 1940, **90:** 29–32.—**Hochberger, F.** Karlsbad. Münch. med. Wschr., 1939, **86:** 397. Also Wien. med. Wschr., 1939, **89:** 275–7.—**Hoffmann, J.** Ueber die quantitative Bestimmung der seltenen Erden und des Thoriums sowie der qualitative Nachweis des Germaniums im natürlichen Karlsbader Salz. Balneologe, 1942, **9:** 89–92.—**Joachim, J.** [Effect of Karlsbad water on bile reaction] Věst. Cesk. fysiat., 1939–40, **19:** 105–8.—**Kampe, R.** Die Kohlensäure der Karlsbader Thermen. In: Baln. & Balneother. Karlsbad (1930) 1931, **12:** 227–38.—**Karell, V.** Geschichte des Weltbades Karlsbad und seiner Heilquellen. Karlsbad. ärztl. Vortr. (1939) 1940, **17:** 3–12.—**Kaufmann-Cosla, O., & Zörkendörfer, R.** Action de l'eau minérale de Carlsbad sur le metabolisme des glucides. C. rend. Soc. biol., 1926, **95:** 1606–9. ——— Action de l'eau minérale de Carlsbad sur l'élimination par l'urine des corps intermédiaires du métabolisme des glucides. Ibid., 1609–11.—**Kern, A., & Stransky, E.** Stoffwechselwirkungen des Karlsbader Mineralwassers. Arch. exp. Path., Berl., 1936–37, **184:** 170; 1937, **185:** 403.—**Knett, J.** Die Quellenabsätze. Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902, 30–5. ——— Das Thermalgebiet. Ibid., 39–52. ——— Chemische Zusammensetzung der Karlsbader Thermen. Ibid., 64–70.—**Köhler, H.** Geologisches und Quellentechnisches über Karlsbad. Karlsbad. ärztl. Vortr. (1939) 1940, **17:** 144–54, illust.—**Leeb, K.** Kur-Statistik. Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902, 591–630, tab. ch.—**Ludwig, K.** Alt-Karlsbader Badeleben. Ibid., 127–59. ——— Geschichte der Karlsbader Mineralwasser-Versendung. Ibid., 317–52.—**Mercun, L.** Deset godina uklanjanja pantljičare pomoću karlsbadske soli. Med. glasn., 1949, **3:** 209–11.—**Mlady, J.** Das Militär-Kurhaus der österreichischen Gesellschaft vom weissen Kreuze in Karlsbad. Festschr Versamml. Deut. Naturforsch., Karlsbad, 1902, 467–76, tab.—**Sebert, F.** Ueber die Heilquellen Karlsbads. Karlsbad. ärztl. Vortr. (1939) 1940, **17:** 129–43.—**Sipöcz, L.** Das Karlsbader Salz, sein Anfang und seine Gewinnung einst und jetzt. Festschr. Versamml. Deut. Naturforsch., Karlsbad, 1902, 283–316.—**Stransky, E.** Versuche über die Wirkung von Trinkkuren auf die Zusammensetzung des Blutes; über das Verhalten der Anionen im Serum bei Tränkung mit Karlsbader Mineralwasser. Arch. exp. Path., Berl., 1935, **178:** 724–30. ——— Stoffwechselwirkungen des Karlsbader Mineralwassers. Ibid., 1938, **189:** 547–54.

—— Khadjibei.

Khadjibei. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 161.

—— Kinkei kōsen.

Hukusima, H. Osaka-hu Kinkei-kōsen no keisō-rui [Diatoms in Kinkei mineral spring in Osaka urban prefecture] Igaku & seibutugaku, 1949, **15:** 91–3.

—— Kirghizia.

ALEXANDROV, V. A. Киргизия и ее курортные богатства. 396p. 21cm. Moskva, 1931.

—— Kislovodsk.

Kotschneff, N. Wirkung des kaukasischen Mineralwassers, Dolomit-Narsan auf die Zucker- und Phosphorvertellung im Intermediärgebiet nach Versuchen an angiostomierten Hunden. Zschr. ges. exp. Med., 1929–30, **69:** 193–207.—**Mazlumov, M. S.** [Narzan hot pack treatments and their results; based on Kisch's functional test] Vopr. kurort., 1939, No. 1, 33–5.

—— København.

Becker, E. [A salt spring in the Copenhagen dock] Arch. pharm., Kbh., 1928, **35:** 66–9.

—— Kok-chaga.

Egorova, A. A., & Sokolova, O. A. [Investigation of medicinal mud and mineral water of Lake Kok-Chaga (Turkmenia)] Microbiology, Moskva, 1940, **9:** 491–4.

—— Kondrau.

Graf, J. B. Säuerling bey Kondrau. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1:** 51–8, tab.

—— Kontz-les-Bains.

Pouchet. Sur l'autorisation d'exploitation des sources Saint-Jérôme et Saint-Clément, à Kontz-les-Bains (Moselle) Bull. Acad. méd., Par., 1936, 3. ser., **115:** 597–9. ——— Rapport sur une demande d'établissement d'un périmètre de protection pour les sources de Saint-Jérome et de Saint Clément à Kontz-les-Bains (Moselle) Presse therm. clim., 1936, **77:** 518.

—— Korea.

Iimori, R., Yosimura, Z., & Hata, S. Tyōsen ni okeru kōsen no radon gan-yū-ryō ni tuite [The amount of radon in mineral springs in Korea] Rikagaku kenkyūzyo ihō, 1934, **13:** 1363–72.

—— Korytnica.

Lázně Korytnica. Zdrav. roč. česk., 1938, 477.—**Sečanský, J.** Einfluss der Korytnica-Quellen auf die Wasserwirtschaft des Organismus. Wien. med. Wschr., 1943, **93:** 148 (Abstr.)

—— Kouvaka.

Weimarn, P. P. v. [Chemical analysis of the water of the Kouvaka mineral spring] J. Russ. fiz. khim. obshch., khim. ch., 1914, **46:** 742–5. ——— [Chemical composition of the water of the Kouvaka mineral springs and probable cause of its pollution] Ibid., 746–52.

—— Krynica.

KRAJEWSKI, F. Działanie wody Zubera na czynność wydzielniczą żołądka oraz na wydzielanie soku trzustkowego, jelitowego i śliny. p.832–1040. 24cm. Warsz., 1937.

Polskie arch. med. wewn., 1937, **15:** Also French transl., Bull. internat. Acad. polon. sc., cl. méd., 1937, 665; 1938, 293.

Kowalski, M. S. [Oestrogenous bodies of the mud-baths of Krynica] Polska gaz. lek., 1936, **15:** 396–9.—**Rydygier, J.** Wpływ wody krynickiej ze źródła Zubera na bacterie in vitro. Polski tygod. lek., 1948, **3:** 801–7. ——— Działanie anagotoksyczne wody krynickiej ze zdroju Zubera oraz dwuwęglanu sodowego na zatrucie królika akonityną. Ibid., 1426–9. ——— Wpływ wody krynickiej ze zdroju Zuber na skład chemiczny i cechy fizyko-chemiczne żólci u osób z przewlekłym zapaleniem układu żólciowego. Polskie arch. med. wewn., 1948, **18:** 397–422.—**Zubrzycki, J.** [Diuretic properties of the mineral spring Jan in Krynica] Polska gaz. lek., 1936, **15:** 389–91.

—— Kuldur.

Averburg, V. P. Vlijanie Kuldurskoj mineralnoj vanny na puls, dykhanie i temperaturu tela. Irkutsk. med. J., 1929, **7:** No. 4, 107–11.—**Tikaćinskaja, S. S.** Deistvie Kuldurskoj mineralnoj vody na żeludoćnuju sekreciju i simptomy so storony żeludoćno-kišećnogo trakta. Ibid., 113–22.

—— Kurumayu onsen.

Arii, K., & Nagasawa, S. Tōhoku-tihō no onsen no tikyū-kagaku-teki kenkyū; Kurumayu-onsen-gun ni tuite [Geochemical studies on mineral springs (hot springs) in Tōhoku (Northeast Japan) districts; on the springs in the Kurumayu group] Nippon kagaku zassi, 1949, **70:** 155–7.

—— Kusatu.

Oana, S. Schweres Wasser im Thermalwasser von Kusatu. Mitt. Deut. Ges. Natur. Kunde Ostasiens, Tokyo, 1942, **33:** C, 15–9.

—— La Bauche.

LA BAUCHE. La Bauche; eau minerale naturelle protoferée, bicarbonatée, crénatée, alcaline hyposulfitée et ammoniacale; extraits des rapports et appréciations. 20p. 21cm. Chambéry, 1866.

—— La Bourboule.

See also **Balneography.**

Blanquet. Etude physique, chimique et biologique de l'eau de Fenestre (La Bourboule) Presse therm. clim., 1937, **78:** 393–6.—**Boudry, A.** La Bourboule thérapeutique. J. obst. gyn., Lille, 1938, **9:** No. 5, 24–46. ——— Gynécologie thérapeutique thermale à La Bourboule. Gaz. méd. France, 1943, **50:** 134. ——— La Bourboule, station de thérapeutique gynécologique arsenicale thermale. Concours méd., 1949, **71:** 1279.—**Diffre, H.** La durée de la cure bourboulienne chez les enfants. Presse therm. clim., 1949, **86:** 141. ——— Les indications de La Bourboule. Rev. méd. Nancy, 1939, **67:** 442–52.—**Eyraud-Dechaux.** Considérations sur la cure bourboulienne dans certaines dermatoses. J. méd. Lyon, 1947, **28:** 557.—**Ferreyrolles, P.** La phylaxie par les eaux minérales; action phylactique des eaux de la Bourboule vis-à-vis des neurotoxines. Commun. Congr. internat. physiothér. (1930) 1931, 5. Congr., Sect. 3, No. 10, 103–11.—**Godonnèche, J.**

L'âge des malades à La Bourboule. Ouest méd., 1949, 2: 199–201. ——— **Clogne, R., & Drilhon, A.** Modifications hématologiques chez des sujets lymphatiques sous l'influence de l'ingestion d'eau de La Bourboule, source Fenestre. C. rend. Congr. internat. lymph., 1934, 1. Congr., 2: 140–4.—**Jumon, H.** Au sujet de quelques indications de La Bourboule. Presse therm. clim., 1947, 84: 83.—**Nicolas, A.** Sur la radioactivité des eaux thermales de La Bourboule. C. rend. Ass. fr. avance. sc. (1908) 1909, 37: 797–9.—**Pierret, R.** La Bourboule; ses indications thermales. Gaz. méd. France, 1937, 44: No. 9, Suppl. therm., 27. ——— Recherches expérimentales sur l'action de l'eau de La Bourboule, Source Choussy, prise au griffon, sur quelques organes à muscles lisses: action sur l'intestin isolé du lapin. Ann. Inst. hydr., Par., 1938–39, 12: 68–75. ——— & **Halpern, B. N.** Note préliminaire relative à l'action de l'eau de La Bourboule, source Choussy-Perrière, sur le pouvoir réducteur des tissus. J. physiol. path. gén., 1938, 36: 1108–10.

—— Lacaune.

Salabert, H. *Contribution à l'étude de Lacaune; climatique et hydrominéral. 92p. 24cm. Toulouse, 1939.

Rascol. Etude thérapeutique sur les eaux thermo-minérales de Lacaune, Tarn. J. méd. Toulouse, 1863, 4. sér., 2: 295; 337.

—— Lamage.

Pouchet. Sur une demande d'introduction en France de l'eau des sources du Bois et de la Grotte (eau de Cambres) situées à Lamage (Portugal) Bull. Acad. méd., Par., 1937, 3. ser., 117: 689.

—— La Malou.

See also **Balneography.**

Faure, M. Caractéristiques climatiques, hydrologiques et cliniques de La Malou. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 784–6.—**Lamalou-les-Bains,** station thermale et centre de tourisme dans les Cévennes méridionales. Rev. gén. méd. chir. Union fr., Alger, 1949, 26: 1305.

—— Lambedor.

Lacerda, D. T. Aguas mineraes do Paraná; fonte do Lambedor. Rev. méd. Paraná, 1940, 9: 248–52.

—— Langensalza.

Kukowka, A. Schwefelbad Langensalza. In his Heilquell. Thüring., Rudolstadt, 1948, 49–59.

—— Lanjarón.

López Martínez-Carrasco, E. Apuntes para el estudio de la estación crenoterápica de Lanjarón. Actual. med., Granada, 1942, 18: 191; passim.

—— La Poceta de Cayajabos.

Albear, J. F. de. Inspección y breve reconocimiento hidrológico de La Poceta de Cayajabos, término municipal de Artemisa, Provincia de Pinar del Río. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, 1: No. 3, 39–45.

—— La Preste.

See also **Balneography.**

Aversenq, J. Communication sur la radioactivité des eaux de La Preste, Pyrénées-Orientales. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 340–3.—**Baron, Dugay & Peycelon.** Etude expérimentale sur le mécanisme de l'action de la cure hydro-minérale de La Preste. Médecin chez lui, 1936, 13: No. 24, 27.

—— La Toja.

Conde Gargollo, E. Climatología y crenoterapia en La Toja. Med. españ., 1950, 23: 32–46.

—— Lavey-les-Bains.

Bezencenet, G. H. Notice sur les eaux thermales de Lavey. 211p. 20½cm. Lausanne, 1836.

Suchard, A. F. Les eaux thermales de Lavey et leur valeur thérapeutique. 2. éd. 111p. Par., 1881.

Petitpierre, L. Lavey-les-Bains. Praxis, Bern, 1942, 31: 340. ——— Les eaux de Lavey-les-Bains et leur valeur curative. Méd. & hyg., Genève, 1946, 4: No. 83, 10.

—— Lazise.

Fontana, F. Analisi dell'acqua minerale di Lazise detta acqua delle pissarole. 35p. 18½cm. Verona, 1826.

—— Lebiazhie.

Karasev, K. G. [Effect of the Lebiazhie mineral spring on the evacuatory and secretory function of the stomach in the dog] In: Sbornik N. I. Horizontov, Novosibirsk, 1935, 184–90.

—— Le Breuil.

Carpentier, G. Hydroxydase et désintoxication (eau du Breuil) a) action inverse sur l'acide urique et la creatinine; b) propriétés oxydantes des infiniments petits chimiques minéraux de l'hydroxydase renforcés par le milieu bicarbonaté. Presse therm. clim., 1930, 71: 762.—**Pariot.** Sur l'eau du Breuil ou hydroxydase. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 514–6.

—— Léchère-les-Bains.

Léchère-les-Bains (La) ses indications; ses techniques. Rev. gén. méd. chir. Union fr., Alger, 1948, 25: 975.—**Noailly, D.** La Léchère-les-Bains: ses indications; ses techniques. Gaz. méd. France, 1937, 44: No. 9, Suppl. therm., 57.

—— Leona.

Bechi, E., Buonamici, E., & Morelli, C. Relazione chimico-terapeutica dell'acqua minerale di Leona nella Valle dell'Inferno. 26p. 23cm. Fir., 1859. Also another ed., 21p. 21cm. Fir., 1875.

—— Leukerbad.

Brunner, A. Das Leukerbad; seine warmen Heilquellen und seine Umgebung. 127p. 21cm. Bern., 1867.

Loretan, A. Die warmen Quellen des Leuckerbades nebst seiner Umgebung. 124p. 21cm. Bern, 1845.

——— [The same] Notice sur les sources thermales de Loèche-les-Bains et sur ses environs. 96p. 22cm. Genève, 1845.

Naterer, F. X. Beschreibung der Mineral-Wässer des Leucker-Bades samt dessen Ursprung, Wirkungen und Gebrauch. 175p. 17cm. Sitten i. Wallis, 1769.

——— [The same] Description & analyse des eaux minérales des Bains de Loèche en Valais. Transl. by Mr. Scholl. 152p. 17½cm. Sion, 1770.

Zur Erforschung der Heilquellen von Leukerbad. Praxis, Bern, 1943, 32: 361.

—— Levico-Vetriolo.

See also **Balneography.**

Pacher, G. Resoconto della stazione balneare di Levico nel Trentino del 1874. 28p. 23cm. Milano, 1875.

——— Resoconto medico della stagione 1881 dei bagni di Levico. 32p. 22½cm. Padova, 1882.

Sartori, E. Rendiconto medico del triennio 1886–88 dei bagni di Levico nel Trentino. 23p. 24cm. Torino, 1889.

Osservatore, Torino.

Gazzoletti. Discours. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 1014–23.

—— Libombos.

Narciso, A. As águas aluminosas de Libombos (Goba) Província de Moçambique. Clín. hig. & hidr., Lisb., 1944, 10: 165–8.

—— Lido.

See subheading (Torre Annunziata)

—— Likenai.

Saviciunas, A. [The Likenu health resort in the district of Biržai and its mineral waters in 1939] Medicina, Kaunas, 1940, 21: 213–6.

—— Limagne.

Garnaud, P. Remarques sur les théories de la formation des eaux minérales appliquées aux eaux de la Limagne d'Auvergne. Bull. Soc. pharm. Côte d'Or, 1911, No. 28, 179–82.

—— Lindoya.

Paranhos, U. Aguas de Lindoia. Arch. biol., S. Paulo, 1933–34, **16**: 30–2.—**Santos, O. de P.** Contribuição ao estudo das aguas di Lindoya. Ann. Fac. med. S. Paulo, 1935, **11**: 255–90.

—— Linthal.

Trümpi, J. Das Stachelbergbad bei Linthal im Kanton Glarus und seine Umgebungen; ein topographisch-medicinischer Versuch. 2. Aufl. 199p. 18½cm. Glarus, 1837.

—— Lipovic.

Kučera, V. Lipovická minerální léčivá kyselka Salvator. Prakt. lék., Praha, 1928, **8**: 269–71.

—— Llandrindod Wells.

Worthington, G. V. Llandrindod Wells; its climate and waters. Prescriber, Edinb., 1928, 22: 87–91. ——— Llandrindod Wells as a cure resort. Ibid., 1939, **33**: 292.

—— Lo Campo.

Puga Borne, F. El agua Santa Virginia-Lo Campo, Departamento de Los Andes. Actes Soc. sc. Chili (1921) 1923, **31**: 62–76.

—— Loèche.

See subheading (Leukerbad)

—— Lomaso e Stenico-Comano.

See subheading (Comano)

—— Lorraine.

Perrin, M. Coup d'oeil général sur les stations de la région lorraine. J. sc. méd. Lille, 1930, **48**: pt 2, 409–15. ——— Les eaux minérales ferrugineuses de la région lorraine. Rev. méd. Nancy, 1946, **71**: 211. Also Rapp. Journées thér. Paris (1946) 1948, 219–21.

—— Los Bermejales.

Trelles, F. Estudio químico y de la radioactividad (contenido de radon) de los manantiales Los Bermejales, en la Provincia de Pinar del Río. Arch. Inst. nac. hidr. clim méd., Habana, 1948, **2**: 59–61.

—— Los Elenes.

León Hidalgo, C. Estudio sobre la radioactividad de aguas de la fuente termal de Los Elenes. p.448–512. 23cm. Guayaquil, 1931.
In: Mem. Congr. méd. ecuator. (1930) 1931, 2. Congr.

—— Luchon.

Krijanovsky, A. *Un hammam thérapeutique; le Radio-vaporarium de Luchon. 56p. 24cm. Marseille, 1939.

Molinéry, P. J. M. J. *Luchon; évolution de ses doctrines thermales à travers les âges [Par.] 262p. 8°. Nérac, 1938.

Arloing, F., & Ricard, L. Système vago-sympathique et thérapeutique sulfureuse; recherches expérimentales sur les eaux de Luchon. C. rend. Congr. fr. méd., 1923, 17. sess., 266–9.—**Beauchamp, de.** La cure sulfurée de Luchon en gynécologie. Sem. hôp. Paris, 1935, **11**: 263.—**Kisch, E. H.** Bagnères de Luchon. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1907, 2: 246.—**Molinéry, P. J. M. J.** Le radio-vaporarium sulfuré de Luchon. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 207–16.—**Salles, P.** Luchon (Bagnières-de-Luchon), thermal et climatique. Gaz. méd. France, 1937, **44**: No. 9, Suppl. therm., 61–3.—**Stations** thermales; Luchon. Arch. méd. Angers, 1937, **41**: 110.

—— Lugela (Georgia)

Dzhavakhishvili, D. V. Mineralnaia voda Lugela. Sovet. med., 1949, **13**: No. 5, 33.

—— Luhačovice.

Cmunt, E. [Seven years of practice in Luhačovice mineral springs] Cas. lék. česk., 1941, **80**: 476–82.—**Gregor, A.** [Medical-climatological station of Luhačovice] Věst. Cesk. fysiat., 1938, 18: 323–8 ——— [Representation of various climatic conditions at the Luhačovice mineral springs] Cas. lék. česk., 1941, **80**: 460.—**Hejda, B., & Mates, J.** Provokace zevní sekrece pankreatické po luhačovických minerálních vodách. Ibid., 1943, 82: 516–8.—**Ninger, F.** [Cultural-hygienic significance of the Luhačovice springs] Ibid., 1941, **80**: 475.—**Pazderka, J.** Fysiologický výzkum minerálních vod luhačovických. Ibid., 1943, **82**: 525–8.

—— Lurisia.

See subheading (Roccaforte Mondoví)

—— Luso.

Wasicky, R., & Klinghoffer. Estudo dos factores curativos da água mineral de Luso; método para manter constante a concentração destas em radon. Clín. hig. & hidr., Lisb., 1941, 7: 123–8.

—— Luxeuil-les-Bains.

Engelhard. Les eaux thermales de Luxeuil. Rev. méd. Nancy, 1947, 72: 75–82.—**Guillerey, J.** Rapport sur une mission d'études à Luxeuil-les-Bains. Presse therm. clim., 1939, **80**: 205–13.—**Lipinska, M.** La radioactivité et les eaux de Luxeuil. C. rend. Congr. internat. radiol. ionis. (1905) 1906, 1. Congr., Sect. phys., French pt, 183–7.

—— Macesta.

See also **Balneography.**

Buchman, P. K. Glikemićeskie krivye u detej kardiorevmatikov i ikh izmenenija pod vlijaniem lečenija na kurorte Sochi-Macesta. Pediatria, Moskva, 1948, No. 4, 71.—**Chilikin, V. I.** [Chronic collaptoid states, observed at the Macesta mineral springs] Klin. med., Moskva, 1938, 16: 793–804.—**Dorošenko, I. T.** [Effect of Macesta mineral water of various concentrations on the activity of ciliated epithelium] J. Physiol. USSR, 1941, **30**: 553.—**Geiser, I.** [New findings in treatment with the Macesta spring water] Sovet. med., 1938, No. **16**: 33.—**Gvanceladze, V. S.** Vegetativnye sdvigi u detej kardio-revmatikov pod vlijaniem klimato-balneologićeskikh faktorov (Sochi-Macesta) Pediatria, Moskva, 1948, No. 4, 71. ——— Otdalennye rezultaty lećenija detej-revmatikov na kurorte Sochi-Macesta. Sovet. med., 1949, **13**: No. 5, 8–10.—**Kravets, D. A., Gornakov, I. N., & Glazko, L. I.** [Changes in carbohydrate metabolism in patients with cardiovascular and rheumatic affections from the effect of the mineral waters of Macesta] Vopr. kurort., 1939, No. 1, 28–32.—**Lavrov, A. P., & Kočetkova, E. P.** [Effect of the Macesta mineral baths on the carbohydrate metabolism of the skin] Vest. vener., 1939, No. 8, 12–8.—**Solncev, V.** [Sur la question des modifications hémodynamiques sous l'influence des bains de Macesta] J. méd., Kiev, 1935, **4**: 961–78. Also in Recueil Strajesko (Bogomoletz, A.) Kiev. 1935, 961–78.

—— Manuel Benavides (México)

Ordóñez Hernández, A. *El mineral de San Carlos en Manuel Benavides, Chi. 31 l. 23cm. Méx., 1949.

—— Maravilla.

Garagarza, J. Aguas minero-medicinales de La Maravilla, provincia de Madrid. 1p. 24cm. [Madrid, after 1850?]

—— Mariánské Lázně.

See next subheading.

—— Marienbad.

Číslo věnované Mariánským Lázním. Cas. lék. česk., 1948, **87**: 789.—**Glaser, E., & Ranftl, F.** Ueber die Wirkung einiger Marienbader Mineralwässer im Entgiftungseffekt. Balneologe, 1942, **9**: 205–10.—**Goldfeil, L.** Marienbad. In: Bolsh. med. encikl., 1931, **16**: 749.—**Kessler, F.** Vznik a výstavba minerálních vod v záp. Čechách se zřetelem na Mariánské Lázně. Cas. lék. česk., 1948, **87**: 803–6.—**Kisch, E. H.** Marienbad. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 189–91.—**Kopf, H.** Die Kurorte der kalten Glaubersalzquellen Marienbad-Franzensbad. Münch. med. Wschr., 1939, **86**: 398–400.—**Kužel, K.** Naše určování kysličníku uhličitého v minerálních vodách. Cas. lék. česk., 1948, **87**: 806.—**Mariánské Lázně.** Zdrav. roč. česk., 1938, 482–8.—**Marienbadskaja** solj. In: Bolsh. med. encikl., 1931, **16**: 750.—**Mates, J.** Mariánskolázeňská vřídelní sůl. Věst. Cesk. fysiat. spol., 1948, **27**: 80–90. ——— Diabetes mellitus v mariánsko-lázeňské léčbě. Cas. lék. česk., 1948, **87**: 793–9. ——— Mariánské Lázně a jejich léčebná hodnota. Ibid., 812–6. ——— & **Endt, V.** Lázeňská léčba chorob ústroje cirkulačního v Mariánských Lázních. Ibid., 807–10.—**Pačes, V.** Poznámky o léčení některých onemocnění cest močových mariánskolázeňskými vodami. Ibid., 790–3.—**Rajda, F.** Bioklimatologický příspěvek k léčbě hypertensí v Mariánských Lázních v r. 1947. Ibid., 799–801.—**Zörkendörfer, W.** Die Heilanzeigen Marienbads im Spiegel der Statistik. Med. Klin., Berl., 1943, **39**: 748. ——— & **Zörkendörfer, K.** Marienbad. Wien. klin. Wschr., 1939, **52**: 299.

—— Marrakech.

Tanon. Sur une demande de classement de Marrakech, Maroc, comme station climatique; au nom de la Commission des eaux minérales. Bull. Acad. méd., Par., 1939, 3. sér., 122: 64–6.

—— Martinique.

Chansolles-Dessablons, G. *Contribution à l'étude des eaux thermo-minérales dans une de nos vieilles colonies françaises: l'Ile de la Martinique. 54p. 24½cm. Par., 1938.

Reynal, H. de. Les sources thermales de la Martinique. Presse méd., 1936, **44**: 665–7.

—— Masutomi.

Oana, S., & Kuroda, K. Geochemische Untersuchungen an den Quellen von Masutomi. Mitt. Deut. Ges. Naturk. Ostasiens, Tokyo, 1943, **33**: E, 57–74.—**Schwabe, G. H.** Zur Oekologie der Masutomi-Quellen. Ibid., 75–102, illust.

—— Mataruska Banja.

Tasic, V. Mataruska Banja. Med. glasn., 1949, **3**: 107–9.

—— Medesano.

See subheading (Sant'Andrea dei Bagni)

—— Melgaço.

Athlas, M. O estudo experimental das águas medicinais nos doentes e nos animais de laboratório. Clin. hig. & hidr., Lisb., 1937, **3**: 139.—**Costa, E.** A acção das águas de Melgaço sôbre as curvas de glicémia, nos diabéticos. Ibid., 141–63.

—— Menton.

Lepape, A., Geslin, M., & Soyer, R. Hydrogéologie et radioactivité des sources et puits de la région de Menton (Alpes-Maritimes) Ann. Inst. hydr., Par., 1948, **19**: 57–82.

—— Meran.

De Bosio, G. Le acque radioattive de Merano. Clin. term., Roma, 1938, **1**: 227–9. ——— Die ersten Ergebnisse mit den radioaktiven Bädern in Meran. Zschr. phys. Ther., Wien, 1949, **2**: 44–7.—**Trener, G. B.** Die Radioaktivität des Bodens und der Quellen in der Umgebung von Meran. Ibid., 42–4. ——— & **Scaramucci.** La scoperta e la proprietà geofisiche e chimiche delle acque radioattive di Merano. Radiol. med., Tor., 1948, **34**: 636.

—— Mexico.

Petters, H. Aguas curativas y lugares de recreo de México. 130p. 23cm. Méx., 1941.

Altamirano, F. Catálogo de análisis de aguas minerales mexicanas. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr. **1**: 486–98.—**Noriega, J. M.** Las aguas minerales de la República Mexicana. Quim. & farm., Méx., 1946, **12**: No. 102, 26; passim.

—— Miasa onsen.

Okuda, K. Syokubutu hatuga narabi-ni seityō ni oyobosu Miasa Onsen no eikyō ni kansuru ni-san no zikken [A few experiments on the effect of Miasa Hotspring (water) upon the budding and growth of plants] Igaku & seibutugaku, 1942, **1**: 380–3.

—— Minas Gerais.

See also **Balneography.**

Figueira de Mello, P. Os banhos carbogazosos e as estancias hydromineraes do sul de Minas. Brasil med., 1934, **48**: 201–7.—**Rosenburg, C.** Propriedades physicas das aguas mineraes do Sul de Minas. Fol. med., Rio, 1938, **19**: 141–4. ——— Propriedades chimicas e therapeuticas das aguas mineraes de Minas Geraes. Ibid., 156; 171; 180. ——— A heliotherapia nas estancias hydro-mineraes do Sul de Minas. Ibid., 212–4. ——— Contribuição ao estudo das fontes mineraes do Estado de Minas. Gaz. clin., S. Paulo, 1938, **36**: 299–304.

—— Modica.

Silvestri, O. Sull'acqua nitrifera della grotta di S. Cataldo a Modica (Sicilia) 48p. 23½cm. Prato, 1866.

—— Mompiano.

Rossetti, C. Rivista sintetica sull'acqua della fonte di Mompiano. Boll. Soc. med. chir. brescia., 1939, **13**: 9–22.

—— Monfalcone.

Guglielmo, S. Cenni storici delle acque termali di Monfalcone ed analisi chimica eseguita nell'ottobre 1856. 16p. 23½cm. Trieste, 1864.

Vidali, G. A. Notizie ed analisi chimica dell'acque termali di Monfalcone. 55p. 21cm. Venez., 1801.

Baldo, G. B., & Morpurgo, G. I fanghi di Monfalcone. Gior. farm., Trieste, 1900, **5**: 321–30.—**Ludwig, E., & Panzer, T.** Notizie sulle terme di Monfalcone. Ibid., 257–68.

—— Monferrato.

See subheading (Vignale Monferrato)

—— Monsummano.

See also Balneography.

Buonamici, E. Acqua termo-minerale dei fratelli Parlanti a Monsummano (Toscana) analisi chimica. 32p. 18cm. Monsummano (Toscana) 1870.

Labat, A. La grotte de Monsummano (Toscane) 12p. 20½cm. Par., 1876.

Turchetti, O. Guida pei bagni a vapore naturale della Grotta di Monsummano con osservazioni pratiche. 94p. 15cm. Roma, 1873.

Arrigoni, R. Idroclimatologia; la Grotta Giusti di Monsummano. Forze san., Roma, 1934, **3**: 1224–31.

—— Montbrison.

Enselme & Fournel. Etude hydrogéologique des sources bicarbonatées du bassin tertiaire de Montbrison. Ann. Inst. hydr., Par., 1938–39, **12**: 296–306.

—— Mont-Cénis.

Morveau, de. L'analyse d'une eau minérale de Mont-Cénis en Bourgogne. Observations (Rozier) Par., 1773, **1**: pt 2, 119–22.

—— Mont-Dore.

See also **Balneography.**

Bouchon. Traitement de l'anosmie par la cure thermale du Mont-Dore. Ann. otolar., Par., 1949, **66**: 415.—**Claude, F.** Traitement hydro-minéral de l'asthme au Mont-Dore. Presse therm. clim., 1948, **85**: 21–7. ——— & **Clogne, R.** Modifications de l'équilibre acido-basique du sang au cours de la cure du Mont-Dore. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 360–2.—**Fabre, R.** Sur le classement de la commune du Mont-Dore comme station climatique. Bull. Acad. méd., Par., 1942, **126**: 428.—**Galup, J.** Les aérosols en thérapeutique thermale la nébulisation du Mont-Dore. Presse therm. clim., 1948, **85**: 113–7.—**Garcin, P.** La cure du Mont-Dore. Rev. prat. mal. pays chauds, 1939, **19**: 136–8. ——— A propos de la cure du Mont-Dore. Presse therm. clim., 1948, **85**: 186.—**Tardif, R.** La cure du Mont-Dore chez les enfants. J. méd. Paris, 1939, **59**: 107. ——— **Coirault & Laverhne.** Les injections sous-cutanées de gaz thermaux dans la thérapeutique mont-dorienne. Presse therm. clim., 1950, **87**: 34–7.—**Thomas.** Contribution à l'étude expérimentale de l'action de l'eau du Mont-Dore sur la motricité du myo-neurone expériences sur l'intestin isolé du lapin et du cobaye. Ibid., 1937, **78**: 330–4.

—— Monte Alfeo.

Diviani, E. L'acqua solforosa di Monte Alfeo. Riv. idroclim., 1935, **46**: 11–23.

—— Montecatini Terme.

Birindelli, C. Il vero Montecatini; acque minerali naturali. 15p. 21cm. Fir., 1879.

Buonamici, E. Acqua Margherita di Montecatini in Val di Nievole. 28p. 21cm. Fir., 1878.

—— Nuovo esame analitico sull'acqua della Speranza di Montecatini. 7p. 16cm. [n. p.] 1878.

—— Il vero Montecatini; analisi delle acqua minerali Speranza, Margherita nuova Tamerici e Reale-Amara di Montecatini (Toscana) 24p. 20cm. Fir., 1882.

Fedeli, F. Notice sur les propriétés médicales des célèbres eaux minérales des RR. thermes de Montecatini employées pour usage interne. 23p. 21cm. Pisa, 1857.

—— Sulle proprietà medicinali e sull'uso delle acque minerali delle RR. terme di Montecatini in Provincia di Lucca. 34p. 20½cm. Pisa, 1876.

—— Manuale clinico delle acque di Montecatini. 325p. 22½cm. Fir., 1880.

—— Montecatini e le sue acque; notizie. 21p. 20cm. Fir., 1884.

Kirch, A. Piccola guida dei bagni di Montecatini e della Grotta di Monsummano. 48p. 15cm. Fir., 1873.

Montecatini, Italy. RR. terme di Montecatini. 23p. 15cm. Fir., 1870[?]

Silvestri, O. Analisi chimica di una nuova acqua minerale di Montecatini in Toscana, denominata acqua della salute. 46p. 23½cm. Fir., 1863.

Targioni Tozzetti, A. Relazione ed analisi chimica dell'acqua provveniente dalla polla delle Tamerici a Monte-Catini. 15p. 21cm. Fir., 1843.

—— Documenti comprovanti la efficacia dell'acqua minerale purgativa della Fortuna di proprietà d'Emilio Forini recentemente scoperta presso le Terme leopoldine di Montecatini in Valdinievole. 33p. 21cm. Firenze, 1853.

Galli. Intorno all'azione terapeutica dei sali di Tamerici. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 521–6.—**Lama, A.** Della simiglianza e della composizione chimica quasi identica dell'acqua clorurato sodica di S. Cristoro Faentino con quella dell'acqua Regina di Montecatini. Riv. idroclim., 1940, **51:** 7–9.—**Maucci, O. C.** Montecatini e le sue acque minerali. Ibid., 1934, **45:** 441–8. —— La dissociazione del Bacterium coli nelle acque minerali di Montecatini. Ibid., 1935, **47:** 274–89.—**Messini, M., & Guadagnini, G.** Un fatto nuovo a dimostrazione della singolare azione esercitata dalle acque di Montecatini sull'intestino isolato. Bol. Accad. med. pistoiese, 1941, **14:** 23–5.—**Palumbo, V.** Il Centro di radium-emano-terapia delle Terme di Montecatini. Clin. nuova, Roma, 1947, **4:** Varia, XVII–XIX, 2 pl.—**Pellegrini, G.** Ricerche sui fermenti nel sudore termale da fango di Montecatini. Bol. Accad. med. pistoiese, 1940, **13:** 103–9.—**Pisani, S.** Disarmonie nervose e cura di Montecatini con particolare riguardo alla questione della psicoterapia nelle stazioni termali. Riv. sper. freniat., 1941, **65:** 841–51. —— **& Ciabattini, A.** Ricerche cliniche sulla azione diuretica dell'acqua rinfresco di Montecatini bevuta lontano dalla sorgente in ortostatismo ed in clinostatismo. Bol. Accad. med. pistoiese, 1940, **13:** 123–41. —— **& Magni, G.** Sulla azione purgativa dell'acqua delle Leopoldine bevuta lontano dalla sorgente. Ibid., 143–9.—**Rondoni, P.** Research at the spas; les recherches scientifiques à Montecatini-Thermes (Italie) Arch. M. Hydr., Lond., 1937, **15:** 275.—**Scalabrino, D.** La velocità di sedimentazione in soggetti sottoposti all'azione delle acque di Montecatini. Riv. idroclim., 1934, **45:** 51–6.—**Spadea, G., Mancioli, M., & Bilancioni, G.** Influenza di alcune acque minerali sul ricambio vitaminico; influenza di acque clorurosolfato-sodiche (Regina e Tettuccio di Montecatini) sul ricambio della vitamina C. Clin. term., Roma, 1948, 1: 65–7.

—— Monte Civillana.

Bizio, G. Monografia delle acque minerali delle provincie venete; analisi chimica dell'acqua di Civillina. 23p. 24cm. Venez., 1865.

Catullo, G. Memoria mineralogico-chimica sopra l'acqua minerale di Civillina. 72p. 21cm. Verona, 1819.

—— Storie di malattie sanate con le acque del Monte Civillina. 54p. 21cm. Venezia, 1823.

Filalete, P. Analisi dell'acqua minerale del Monte Civillina nelle provincia Vicentina. 24p. 21cm. Verona, 1820.

—— Lettera del dottore Pinillo Filalete, autore dell'Analisi dell' acqua minerale del Monte Civillina al signor professore Tommaso Antonio Catullo autore delle Memoria mineralogico-chimica sull'acqua stessa. 32p. 21cm. Trento, 1820.

Fumiani, P. Della virtù medicamentosa delle acque di Civillina; memoria. 22p. 21cm. Vicenza, 1850. Also another ed. 24p. 18½cm. Vicenza, 1866.

P., C. G. Osservazioni medico-chimiche sull'acqua minerale del Monte Civillina. 14p. 21cm. Milano, c.1820.

Pollini. Lettera dell' autore dell' analisi dell'acqua minerale del Monte Civillina all'autore delle due risposte al Dr. Pollini su tale argomento. 7p. 21cm. Verona, 1820.

—— Monte Paradiso (Rimini)

Bussi, A. Dell'Acqua della Galvanina, della sua composizione chimica e delle sue applicazioni terapeutiche. Riv. idroclim., 1938, **49:** 301–10.

—— Montepelato.

Anelli, M. Sul rinvenimento di acqua mineralizzata in Montepelato. Ateneo parm., 1929, **1:** 159–63.

—— Monticelli.

Senetiner, G. Sull'azione ipotensiva dei bagni salsoiodici di Monticelli. Riv. idroclim., 1939, **50:** 61–4.

—— Montirone.

Fabris, M. Le acque di Montirone (Abano-Terme) in ginecologia. Riv. idroclim., 1935, **46:** 55–60.

—— Montmorency.

Déyeux. Analyse de l'eau de Montmorenci. Observations (Rozier) Par., 1774, **3:** 259–72.

—— Montoro.

De Cesaris, L. Analisi dell'acqua minerale di Montoro. 18p. 20cm. Roma, 1879.
In: Arch. farm., 1879.

—— Morocco.

Analyse des sources Moulay Yacoub, Sidi-Harazem et Oulmès. Maroc méd., 1947, **26:** 34–6.—**Bertrand & Trautmann, R.** Les eaux minérales du Maroc. Praticien N. Afrique, 1935, **8:** 107–21.—**Chiray, M.** Une mission aux eaux minérales du Maroc. Maroc méd., 1947, **26:** 1–16.—**Robeaux, A.** Les sources thermo-minérales non exploitées du Maroc. Ibid., 33.—**Russo, P.** Au sujet des eaux minérales du Maroc et de Moulay Yakoub en particulier. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 195–7.

—— Morszyn.

Koskowski, W. Influence du sel et de l'eau minérale purgative de Morszyn sur l'action dynamique du sang. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 395–7.—**Kubikowski, P.** [Effect of salts and water of the Morszyn springs on the mobility of the intestine] Polska gaz. lek., 1937, **16:** 394–8.—**Musial, W.** [Morszyn in winter] Ibid., 1939, **18:** 524–7.—**Nowicki, W.** [Present state of Morszyn] Ibid., 1938, **17:** 436.—**Rawicz, S.** [Clinical observations on certain groups of diseases, congregated at the Morszyn mineral springs] Warsz. czas. lek., 1937, **14:** 567–9.—**Sokolowski, A.** [Clinical research on the effect of the mineral water of Morszyn from the Bonifacy spring on the putrefaction of fecal matter in the intestine, on gastric-and pancreas secretions, on the excretion of the bile and on basal metabolism] Polska gaz. lek., 1933, **12:** 125; 148.

—— Moulay-Yacoub.

Lalu, P. Essai sur la valeur thérapeutique des eaux de Moulay Yacoub utilisées en injections intra-veineuses ou intra-musculaires. Maroc méd., 1947, **26:** 140–4.—**Pouponneau, A.** Moulay-Yacoub, ville d'eaux marocaine. Ibid., 1923, **124:** passim.—**Secret, E.** Statistique de Moulay Yacoub, 12 ans de consultation thermale. Ibid., 1947, **26:** 26–9. —— La journée d'un Berbère à Moulay Yacoub. Ibid., 37–43.

—— Mouzaïaville.

Lacroix, A., & Martínez, L. L'action des eaux de la Source Leblanc (Mouzaïaville, Algérie) sur l'écoulement duodénal de la bile. Presse therm. clim., 1948, **85:** 137.

—— Mukhuri.

Kutateladze, I. Shire ispolzovat mineralnye vody Mukhuri. Med. rabot., 1947, **10:** No. 28, 4.

—— Naftalan.

Rybakov, I. Na kurorte Naftalan. Med. rabot., 1949, **12:** No. 36, 4.

—— Napoli.

Schneer, G., Carito, D. [et al.] Napoli, stazione idrologica e climatica, estiva ed invernale in rapporto a quelle di oltre Alpi. p.643–98. 25cm. Venez., 1906.
C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr. Also Arch. internaz. med. chir., Nap., 1906, **22:** 420; 440; 453.

Botti, A. Sguardo d'insieme al patrimonio idrologico della provincia di Napoli; possibilità di una maggiore valorizzazione scientifica, pratica ed utilizzazione terapeutica. Forze san., Roma, 1934, **3:** 1421–7.

—— Narugo-Yumoto onsen.

Arii, K., & Nagasawa, S. Tōhoku-tihō no onsen no tikyū-kagaku-teki kenkyū; Narugo-Yumoto onsen-gun ni tuite [Geochemical studies on mineral springs (hotsprings) in Tōhoku (Northeast Japan) districts; on the springs in the Narugo-Yumoto group] Nippon kagaku zassi, 1949, **70:** 157–60.

—— Narzan water.

See subheading (Kislovodsk)

—— Nepi.

Ortali, C. Le acque minerali di Nepi. Riv. idroclim., 1935, **46:** 184–7.

—— Néris-les-Bains.

Macé de Lépinay, C. E. Néris-les-Bains; ses eaux minérales; indications et contre-indications. J. méd. chir., Par., 1936, **107:** 236–9. ——— Néris-les-Bains, station des douloureux. Gaz. méd. France, 1937, **44:** No. 9, Suppl. therm., 65–7.—**Wibrotte, J.** Des effets en gynécologie de la cure thermale radioactive de Néris-les-Bains. Bull. Ass. gyn. obst. fr., 1949, **1:** 29.

—— Neumarkt.

Graf, J. B. Gesundbad zu Neumarkt in der Oberpfalz. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1:** 71–82, tab.

—— New York (U. S.)

Fonda, S. F. Analysis of Sharon waters, Schoharie County; also of Avon, Richfield, and Bedford mineral waters, with directions for invalids. 96p. 12° N. Y., 1854.

—— New Zealand.

Hot springs (The) of New Zealand. Prescriber, Edinb., 1939, **33:** 80.

—— Ngawha.

Fleming, C. A. Hydrothermal activity at Ngawha, North Auckland. N. Zealand J. Sc., 1944–45, Sect. B, **26:** 255–76, map.

—— Nieder-Selters.

Ewald, K. Die Beeinflussung der bactericiden Kraft und des Blutzuckerspiegels durch Verabreichung von Staatsquelle Nieder-Selters (tierexperimentelle Untersuchungen am Kaninchen) Balneologe, 1939, **6:** 447–54.

—— Nocera Umbra.

Badaloni, G. La terra alcalina di Nocera-Umbra per bagni. 3p. 20cm. Fir., 1883.

Molescott, I., Mantegazza [et al.] Acqua minerale di Nocera Umbra; giudizi sull'acqua di Nocera. 1p. 22½cm. n. p., 1888.

—— Novyj Istochnik.

See subheading (Staraja Russa)

—— Oberschlema.

See also **Balneography.**

Maurer, W. Die Heilfaktoren des Radiumbades Oberschlema. Schr. Akad. ärztl. Fortbild. Dresden, 1939, **1:** 97–101.

—— Oedipsos.

Arbinet, P. E. Les bains d'Aedipsos en Grèce; une des plus anciennes stations hydromédicinales. Strasbourg méd., 1946, **106:** 230.—**Vlastos, M.** Traitement des sciatiques rebelles par l'ionisation des eaux minerales chlorurées sodiques d'Oedipsos. Acta rheumat., Rotterdam, 1931, **3:** 8, 31.

—— Olăneşti.

Daniel, I., & Mavru, A. [Peroxidolytic effect of the mineral waters of Olăneşti] Rev. şt. med., Bucur., 1935, **24:** 276–9.—**Gonţea, L., & Gonţea, I.** [Effect of the mineral water of Olăneşti, Nos. 5 & 24, in relation to cholesterolemia and cholecystopathy] Ibid., 1940, **29:** 588–92.

—— Olentuj.

Smirnov, B. I. K voprosu o vlijanii Olentujskoj mineralnoj vody na sekreciju želudka. Irkutsk. med. J., 1929, **7:** No. 4, 123–30.

—— Op-Grimby.

Vreven, S. Notice sur la composition et l'origine de l'eau minérale d'Op-Grimby. Ann. pharm., Louvain, 1903, **9:** 529–36.

—— Orezza.

Orezza [Corsica] Eau minérale ferrugineuse acidule, gazeuse, carbonique d'Orezza (Corse) 16p. 16cm. Par., 1878.

Poggiale, A. B. Rapporto all'Accademia imperiale di medicina per l'acqua acidola-ferruginosa d'Orezza (Corsica) 28p. 16cm. Par., 1866.

Casabianca. La cure hydrominérale à Orezza, Corse pour le traitement des syndromes anémiques. C. rend. Congr. fr. méd., 1929, 20. Congr., 211–4.—**Rimattei, F., Battesti, L., & Battesti, L.** Sur quelques modifications hématologiques produites par l'eau ferrugineuse d'Orezza prise en ingestion par des malades anémiques. Presse therm. clim., 1948, **85:** 120; passim.

—— Oriol.

Auclair, A. *Contribution à l'étude de l'eau bicarbonatée ferrugineuse d'Oriol en Trièves et particulièrement de celle de la source Auvergne [Strasbourg] 102p. 25cm. Lyon, 1941.

—— Orión.

Tomás y Rodó, L. La cura hidromineral en termas Orión; deducción de unas exploraciones. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **1:** 865–8.

—— Osh.

Osh. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 188.

—— Ostia.

Neveu, R. Les causes médico-sociales de la décadence d'Ostie. Ann. hyg., Par., 1945, **23:** 184–91.

—— Oued-Rirh.

Pallary, P. Prospection des eaux magnésiennes de l'Oued-Rirh, sud Constantinois, au point de vue de l'existence des bullins et des planorbes. Arch. Inst. Pasteur Algérie, 1939, **17:** 604–12, 6pl.

—— Oulmès.

Bertrand. Oulmès, centre hydro-minéral. Maroc méd., 1947, **26:** 30–2.

—— Paderborn.

Remarkable (Of a) spring, about Paderborn in Germany Philos. Tr., Lond., 1665–66, **1:** 133.

—— Padova.

Montagnana, B. De aspectu, situ, minera, virtutibus et operationibus balneorum in comitatu Patavino repertorum. p.442–6. 21cm. Lyon, 1525.

In his Consilia, Lyon, 1525.

—— Palau.

Pisarro, I. Estudio fármaco-dinámico de las aguas minerales argentinas; agua Palau. Rev. sudamer. endocr., B. Air., 1940, **23:** 87; 227; 333.

—— Panimávida.

Bravo E., F. Estado actual del estudio de las propiedades biológicas de las aguas minerales; algunas investigaciones con el agua de Panimávida. Rev. med. aliment., Santiago, 1935–37, **2:** 138–47. ——— Analisis biológico del agua mineral de Panimávida. Ibid., 233; 277.

—— Parádfürdő.

Nagy, B. L. [Therapeutic factors of Parádfürdő] Budapesti orv. ujs., 1939, **37:** 647–50.

—— Paraná.

Lacerda, D. T. de. Aguas minerais do Paraná; a fonte mineral Paraná. Rev. méd. Paraná, 1944, **13:** 54–6.

—— Parma.

Braga, C. Ricerche farmacologiche sulle acque salso-bromo-jodiche; qualche notizia storico-tettonica sulle acque della Provincia di Parma. Arch. farm. sper., 1943, **75:** 222–33.

—— Passugg.

Mineralquellen (Die) von Passugg bei Chur. 26p. 19cm. Chur, 1865.

—— Pavia.

Monti, A. Sulla biologia dei ferrobacteri contenuti nella acque di Pavia. Boll. Soc. ital. biol. sper., 1930, 5: 845.

—— Pedras Salgadas.

Ferreira Botelho, M. J. *Breve estudo sobre as aguas bi-carbonatadas sodicas das Pedras Salgadas. 96p. 8° Lisb., 1879.

—— Pejo.

Borghetti, C. Antica Fonte di Pejo nel Trentino. 6p. 23½cm. Brescia, 1870.

Celentino, Italy. Acqua minerali acidulo-ferruginosa di Celentino nella Valle di Pejo (Tirolo) 14p. 16cm. Brescia, 1880.

Rossi, P. Dell'uso pratico delle acque acidulo-ferruginose di Celentino nella valle di Pejo. 18p. 23½cm. Brescia, 1873.

—— Perego spring.

Schivardi, P. Fonte Perego. 7p. 17½cm. Mantova, 1873.

—— Peru.

Aguas minerales del Perú. In: Dicc. med. peru. (Valdizán, H.) Lima, 1923, 1: 56–8.—**Fuentes** (Las) de agua mineromedicinales son propriedad del Estado, Ley No. 9554. Reforma méd., Lima, 1942, 28: 95.—**Maldonado Bustamante, J.** Estudio de las aguas de la laguna La Victoria. An. Fac. farm. bioquím. Univ. San Marcos, 1945, 5–26.—**Zapata Ortiz, V.** Estudio farmacodinámico de las aguas minerales del Perú. Rev. farm. med. exp., Lima, 1948, 1: 166–81.

—— Perugia.

Mignini, G. La fonte maggiore di Perugia. Q. ostet., Parma, 1949, 1: 61–4.

—— Pestrin.

Colombani, A. *Contribution à l'étude des eaux minérales du Pestrin; leur action antidiarrhéique. 88p. 24cm. Marseille, 1939.

Rimattei, F., Grimaud, L., & Fabre, P. Quelques données récentes sur la source Pauline; le Pestrin, près Vals, Ardèche. Ann. Inst. hydr., Par., 1942, 14: 18–29.

—— Pfeffers.

See subheading (Ragaz-Pfäfers)

—— Philippine Islands.

Del Rosario, M. V. Crenotherapy with reference to the Philippines. Rev. filip. med., 1938, 29: 51–78, 2 pl.

—— Piešťany (or, Pöstyén)

C., A. The scientific basis of Pištany mud treatment. Brit. J. Phys. M., 1938, n. ser., 1: 249.—**Hynie, O.** [The mineral spring of Piešťany] Věst. Cesk. fysiat., 1938, 18: 300–8.—**Medical** (A) tour to Pištany. J. Chart. Soc. Massage, Lond., 1931–32, 17: 162–5.—**Pištany,** City of hot springs. Nurs. Times, Lond., 1939, 35: 592.—**Sprát, S., & Toman, M.** Oscillatorietum principis-tenuis thermalis v Piešťanech. Věst. Cesk. fysiat. spol., 1948, 27: 231–9.—**Stárka, J.** Bakterie redukující sulfáty v piešťanském bahně. Cas. česk. lék., 1949, 62: věd. přil., 100–3.—**Vasiliu, D. O.** [Bath cure in Piešťany] România med., 1938, 16: 50.—**Vilhelm, J.** Nouveau chara d'eau thermale et radioactive des bains de Píšťany en Slovaquie. Bull. internat. Cl. sc. math. Acad. sc., Praha, 1924, 24: 8–10.

—— Pietra.

Pepere, P. Manuale dell'infermo alle acque termo-minerali o nozioni generali intorno l'azione, gli usi e i diversi modi di amministrazione delle acque termominerali, ed in ispecialità di quelle della Pietra; non che sulle regole igieniche, dietetiche e terapeutiche da seguirsi dallo infermo prima, durante e dopo la cura di esse. 189p. 18½cm. Nap., 1868.

—— Pillo.

Guerri, L. Relazione dell'analisi chimica dell'acqua minerale di Pillo. 30p. 23cm. Fir., 1861.

—— Pinos (Isla de)

Embil, J. Informe sobre algunos manantiales mineromedicinales de la Isla de Pinos. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, 1: No. 3, 46–53.

—— Pjatigorsk.

Papkov, B. N. Курорт Пятигорск. 71p. 19½cm. Stavropol, 1950.

—— Plan-de-Phazy.

Lesbros, M. *Une station thermo-climatique oubliée des Hautes Alpes; le Plan-de-Phazy, Montdauphin-Guillestre [Lyon] 107p. 25cm. Gap, 1947.

—— Plaue.

Kukowka, A. Die Mineralquellen zu Plaue/Thür. In his Heilquell. Thüring., Rudolstadt, 1948, 74.

—— Plombières-les-Bains.

See also **Balneography.**

Plombières-les-Bains, France. La cure thermale de Plombières-les-Bains; indications thérapeutiques et traitements. 21p. 8° Nancy, 1938[?]

Delaby, R., Charonnat, R., & Janot, M. M. Les caractères physico-chimiques dominants des eaux minérales de Plombières. Commun. Congr. colit. (France) (1935) 1936, 1. Congr., 387–97.—**Dumont, J. H.** Le traitement des maladies de l'intestin à Plombières au XVI. siècle d'après Jean Le Bon, médecin traitant, 1560. Ibid., 293–9. ——— L'entéroclyse dans le bain à Plombières ou bain enterocleaner Brosch. Gaz. méd. France, 1939, 11: Hydr., No. 8, 43. ——— Action thérapeutique des eaux de Plombières. Ibid., 1947, 54: 289–91. ——— Actions des eaux de Plombières; quatre observations. Rev. méd. Nancy, 1947, 72: 319–25.—**Enault.** Considérations générales sur l'hydrologie et son évolution; notions pratiques sur Plombières, à l'usage des médecins coloniaux. Maroc méd., 1939, 19: 300–2.—**Montels, L. M. J.** Etude sur les ressources thermales de Plombières-les-Bains. Rev. serv. san. mil., Par., 1937, 107: 549–82.—**Pitulesco, P., & Westfried, I.** Le parasitisme intestinal et les eaux de Plombières. Commun. Congr. colit. (France) (1935) 1936, 1. Congr., 277–81.—**Pommier, M.** A travers de curieux passé de Plombières-les-Bains. Aesculape, Par., 1939, 29: 114.—**Tauzin, J.** Les indications gynécologiques para-digestives de Plombières. Gaz. méd. France, 1936, 43: 481–3.—**Truelle, R.** De l'action orthotrophique de certaines eaux thermales radioactives et de celles de Plombières en particulier. Rev. prat. mal. pays chaud., 1937, 17: 119–31.

—— Poços de Caldas.

Mourão, M. Os elementos da cura hidromineral em Poços de Caldas. Hospital, Rio, 1943, 24: 681–7.—**Neto, O. C.** Problemas de balneologia cientifica com relação ás aguas sulfurosas de Poços de Caldas. Medicamenta, Rio, 1933, 12: No. 135, 29. ——— As aguas termo-sulfurosas de Poços de Caldas em oto-rino-laringologia e oftalmologia. Ibid., No. 136, 29–31.—**Pacheco e Silva, A. C.** Poços de Caldas. São Paulo méd., 1931–32, 4: 274–82.

—— Poděbrady.

Vondrovic, J. Kronika poděbradských lázní od jejich založení až na dnešní časy. 31p. 22½cm. Poděbrady, 1939.

Forms No. 7, v.1, O zdraví a nemoci.

Povondra, J. Několik fysiologických pozorování o účinku Poděbradky na vstřebávání ze sliznice žaludeční. Cas. lék. česk., 1939, 78: 858–61.

—— Pöstyén.

See subheading (Piešťany)

—— Poland.

Polski almanach uzdrowisk. 445p. 23½cm. Kraków, 1934.

Dobrzyński, J. Na tropie ducha źródeł mineralnych. Polski tygod. lek., 1947, 2: 785; passim.—**Fliederbaum, J.** [Investigations on the effect of the mineral water Slotwinka on aqueous and albumin metabolism in man] Polskie arch. med. wewn., 1936, 14: 87–129.—**Kmietowicz, F., jr** [Investigations on the

concentration of hydrogen ions in the mineral springs of Poland] Polska gaz. lek., 1938, 17: 440–3.—**Leder, M.** [Analysis of the biological mechanism of the action of the mineral spring Naftusia] Warsz. czas. lek., 1939, 16: 369–71.—**Leszczycki, S.** Sur la géographie des stations thermales en Pologne. Acta bain. polon., 1939, 3: No. 8, 8–16.—**Oko, J. K.** Badania kliniczne nad wpływem wód mineralnych siarczanych ze źródeł Nr. 1 w Busku, Adolfa w Lubieniu Wielkim, Róży w Horyńcu oraz wody alkalicznej ze źródła Zuber w Krynicy na poziom cukru we krwi. Medycyna, 1934, 49–60.—**Papierkowski, J.** Mineralquellen in Polen. Balneologe, 1938, 5: 217–23.—**Pelczar, K., & Kuczarow, M.** [Effect of the mineral springs Zosia and Naftusia on the blood sugar level in rabbits] Polska gaz. lek., 1938, 17: 437.—**Polské** lázně. Zdravot. rev., Praha, 1949, 24: 142.—**Torosiewicz, T.** O wodach lekarskich w Podgórzu, Swoszowicach, Wieliczce, Iwoniczu tudzież o powietrzu atmosferycznem w kopalniach Wieliczki. Rocz. Wydz. lek., Kraków, 1841, 4: pt 2, 356–76.

—— Polasna.

Kuznecov, A. M. Sulphide waters of the Permian in the Polasna-Krasnokamsk anticline. C. rend. Acad. sc. URSS, 1943, 39: 151–4. ——— & **Novikov, S. N.** Carboniferous brines of the Polasna-Krasnokamsk anticline. Ibid., 61–4.

—— Poljustrov.

Moderatov, P. S. [Effect of the Poljustrov mineral water on the hemoglobin content in children] Pediatria, Moskva, 1938, No. 2, 100–6.

—— Porretta Terme.

Lorenzini, D. Guida dei bagni della Porretta e Dintorni. 167p. 20½cm. Porretta, 1886.

Corsini, A. Sulla vera natura della così detta albumina delle acque termali di Porretta; di un microrganismo non ancora descritto da quella isolato. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 432–48.—**Maucci, O. C.** Azione terapeutica dell'acqua minerale Leone (Porretta di Bologna) usata per bibita. Riv. idroclim., 1938, 49: 118–27. ——— L'azione terapeutica dell'acqua salsojodica Leone (Porretta di Bologna) in un gruppo di enteropazienti trattati con bibita e clistere. Ibid., 183–92.

—— Portugal.

Iseppi, G. Analisi di alcune acque minerali del Portogallo. 31p. 18½cm. [n. p., 18?]

Mello, A. de. As aguas medicinais portuguêsas e as aguas medicinais estrangeiras; estudo comparativo. 40p. 25cm. Lisb., 1923.

Narciso, A. de C. Como se deve aconselhar uma cura de águas em Portugal. p.341–90. 24cm. Lisb., 1925.

Lisboa méd., 1925, 2:

Chaves, L. Exploração romana das termas de Portugal. An. As. espafi. progr. cienc., 1947, 12: 652–9.—**Narciso, A.** Les eaux sulfurées sodiques du nord du Portugal et les eaux sulfurées sodiques des Pyrénées. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 510. ——— Como organizar a nossa indústria termal. J. méd., Pôrto, 1947, 10: 375.—**Silva Correia, F. da.** Freqüências das termas portuguesas; movimento de doentes no Hospital Reinha D. Leonor. Clín. hig. & hidr., Lisb., 1943, 9: 348–50. ——— A classificação sanitaria das estâncias hidroclimáticas. Med. contemp., Lisb., 1947, 65: 337–9.

—— Pougues-les-Eaux.

Guilliou, M. *Sur les eaux de Pougues. 67p. 24cm. Par., 1939.

Baillet, P. Pougues-les-Eaux; ses indications. J. méd. chir., Par., 1939, 110: 185–8.

—— Pouhon-du-Bru.

Pouchet. Sur une demande de renouvellement de l'autorisation d'importer en France l'eau de la source minérale dite Pouhon du Bru appartenant à la Compagnie générale de Chevron (Belgique) Bull. Acad. méd., Par., 1936, 3. ser., 115: 617–9. Also Presse therm. clim., 1936, 77: 366.

—— Pozza.

Leonardi, D. Sull'acqua minerale di Pozza nella valle di Fassa, l'unica nel Trentino idrosolforosa salino-calcarea. 18p. 16cm. Trento, 1869.

—— Pozzetto.

Bussi, A. L'acqua del Pozzetto nelle sua qualità organolettiche, terapeutiche e meccanismo di azione per le malattie del fegato e del rene. Riv. idr. clim., 1931, 42: 293–307.

—— Pozzuoli.

See also **Balneography.**

De Luca, D. Notizie intorno agli usi dell'acqua termo-minerale della solfatara di Pozzuoli. 46p. 23½cm. Nap., 1871.

Pozzuoli, Italy. Intorno all'acqua della solfatara di Pozzuoli; storia e documenti. 16p. 21cm. Nap., 1869.

Annecchino, F. P. Particolarità dei fanghi della solfatara di Pozzuoli. Clin. term., Roma, 1948, 1: 247.

—— Prata.

Neiva, C. Contribuição ao estudo das águas minerais da Prata. Pub. farm., S. Paulo, 1941–42, 7: 11–7. Also Arq. biol., S. Paulo, 1941, 25: 255–9 (Abstr.)

—— Psekupsk.

Avrorov, P. P., & Shpuga, G. M. [Gastric secretion and acid-base equilibrium in patients using Gorjaćij Ključ Sanatorium sulphur-alkali baths] Avtoref. Sezd fiziol. biokhim. farm., 1937, 7. Congr., 92–6.—**Bebchuk, L. S.** [Experimental data on the effect of Psekupsk mineral waters on the contractile activity of the isolated uterine horn of the white mouse] Ibid., 30.—**Kasatkina, K. S.** Kurort Gorjaćij Ključ-Psekupskie mineralnye vody. Sovet. med., 1949, 13: No. 5, 34.

—— Puteoli.

Susanna, V. Le Terme Puteolane. Clin. term., Roma, 1948, 1: 248.

—— Quebrada de Morales.

Ayala, A. Aguas minerales de la Quebrada de Morales. Actes Soc. sc. Chili (1921) 1923, 31: 183–5.

—— Rabbi.

See subheading (Bagni di Rabbi)

—— Rabka.

Cybulski, T. [Practical observations on the treatment in Rabka] Polska gaz. lek., 1939, 18: 514.

—— Radiumbad Oberschlema.

See subheading (Oberschlema)

—— Ragaz-Pfäfers.

See also **Balneography.**

Kaiser, J. A. Die Heilquelle zu Pfäfers; ein historischtopographischer und heilkundiger Versuch. 183p. 18½cm. Chur, 1822. Also 3. Aufl. 260p. 21cm. S. Gallen, 1843. Also 5. Aufl. 210p. 21½cm. S. Gallen, 1869.

Rahn, J. K. Kurze Beschreibung des Pfefferser-Mineral-Wassers. p.363–82. 19½cm. Zür., 1766.

Also Abh. Naturforsch. Ges. Zürich, 1766, 3:

Rüsch, G. Das Bad Pfäfers in seiner neuesten Gestalt. 203p. 17½cm. S. Gallen, 1849.

Walthier, B. Neue Beschreibung des Halts vom weltberühmtesten Pfäfferser-Mineral-Wasser. 375p. 16½cm. Zug, 1749.

Planta-Reichenau, A. v. Chemische Untersuchung der Heilquellen zu Ragaz-Pfaefers. In: Therme v. Ragaz-Pfäfers (Kaiser, J. F.) 5. Aufl., S. Gallen, 1869, 126–41.—**Theobald, G.** Geologische Beschreibung der Gegend von Ragaz und Pfaefers. Ibid., 98–117.

—— Rajecké Teplice.

Rajecké Teplice. Zdrav. roč. česk., 1938, 490.

—— Rajgir.

Nag, N. C. Investigations on the radio-activity of hot springs at Rajgir. Tr. Bose Res. Inst. Calcutta (1931–32) 1933, 7: 319–43.

—— Ramalhoso.

Ferreira de Castro. Para a história das águas férreas do Ramalhoso. J. méd., Pôrto, 1946, 8: 445.

—— Rapolano.

Buonamici, E. Delle acque minerali e termali di S. Giacomo a Pelacane, presso Rapolano nella Provincia Senese. 45p. 23cm. Fir., 1858.

Caifassi, I. Sulle acque minerali e termali di Rapolano nella Provincia Senese e particolarmente sulle antiche termo sulfuree di proprietà del sig. Achille Marii. 31p. 21cm. Siena, 1863.

—— Recoaro.

Antoniani, P. Acque di Recoaro. 3 l. Milano, 1872.

Beltrame, A. Alcune generalità ed osservazioni storico-pratiche sulle acque minerali acidule delle regie fonti di Recoaro. 77p. 21cm. Verona, 1832.

Biasi, G. Dottrina ai bevitori delle acque acidule di Recoaro, ossia metodo sicuro di dirigersi alla cura e dopo di essa. 24p. 18½cm. Verona, 1835.

—— Cenni sopra Recoaro e le sue acque acidulo-marziali. 119p. 21cm. Verona, 1837. Also 2. ed. 143p. 21cm. Verona, 1844.

—— Metodo per far buon uso delle acque acidule di Recoaro. 40p. 18½cm. Verona, 1860.

Bizio & Pisanello. Prospetto delle recenti analisi delle quattro principali fonti minerali di Recoaro. 1 l. Valdagno, 1872.

Bologna G. Notice sur les eaux de Recoaro; précédée d'un précis sur le chimisme animal. 87p. 21cm. Venice, 1845.

—— Brunnendiaetetik oder Regeln und Vorschriften den Sauerbrunnen zu Recoaro. 24p. 21cm. Venez., 1850.

—— [The same] Dietetica delle acque minerali ovvero regole e precetti per far buon uso delle acque acidule di Recoaro. 4. ed. 38p. 16cm. Verona, 1856.

—— Notizie sopra le fonti Lorgna ed Amara, in Recoaro. 16p. 18½cm. Vicenza, 1857.

—— Documenti relativi alla scoperta e virtu' mediche dell' I. R. fonte minerale Giuliana in Recoaro. 72p. 18½cm. Verona, 1857.

—— Notizia sopra la nuova fonte minerale acidulo-ferruginosa del Franco in Recoaro con una dissertazione sopra le malattie scrofolose ed emorroidarie. 52p. 21cm. Venez., 1858.

—— Considerazioni sopra la mineralizzazione in generale delle acque e specialmente sopra quelle di Recoaro; memoria. 29p. 21cm. Verona, 1866.

—— Brevi e compendiate notizie sopra Recoaro sulle virtù delle sue fonti minerali acidulo-salino-marziali e sul metodo di usarle. 46p. 21cm. Valdagno, 1871.

Brera, V. L. Recoaro e le differenti sue acque minerali. 48p. 21cm. Padova, 1832.

Bruni, M. Recoaro sue fonti minerali e sue passeggiate. 2. ed. 72p. 15cm. Verona, 1873.

Cardoni, L. Acqua di Recoaro. 1 l. 23½cm. Milano, 1872.

Chiminelli, L. Recoaro, le sue fonti minerali e i suoi dintorni. 131p. 18½cm. Bassano, 1865.

—— Recoaro e le sue fonti minerali. 1 l. 30cm. Recoaro, 1867.

—— Del più conveniente uso delle acque minerali di Recoaro. 2 l. 30cm. Recoaro, 1867.

—— Recoaro colle sue sorgenti minerali visto e studiato a volo d'uccello. 31p. 16cm. Bassano, 1881.

Dal Lago, L. Norme per chi vuol far uso con profitto delle acque medicinali di Recoaro Catulliane, Virgiliane e simili. 2. ed. 30p. 16cm. Verona, 1863.

—— Sulla cura razionale delle malattie colle acque acidulo ferrugginose di Recoaro. 39p. 22½cm. Fir., 1885.

Fasanotti, G. Album ricordi di Recoaro; disegni dal vero. 14 l. 18½cm. Recoaro, 1876.

Festari, G. Considerazioni sopra l'opuscolo del signor co. Dr. Ferdinando Gualdo intitolato Metodo per bevere l'acqua minerale di Recoaro. 18p. 18½cm. Bassano, 1805.

—— Delle facoltà medicinali delle acque di Recoaro. 57p. 21cm. Venez., 1846.

Fioravanti, C. G. Quattro parole sulla fonte acidulo minerale del Capitello in Recoaro. 15p. 18½cm. Schio, 1868.

Forti, L. Descrizione geografica del comune di Recoaro nel distretto di Valdagno, provincia di Vicenza. 20p. 21cm. Vicenza, 1827.

Giorgetti, G. *Sull'azione farmaco-dinamica delle acque acidulo-marziali di Recoaro [Lucca] 24p. 21cm. Padova, 1852.

Gonzatti, B. *Della virtù medicinale delle acque minerali di Recoaro [Lucca] 32p. 21cm. Pavia, 1832.

Gualdo, F. C. Metodo per far uso dell'acqua minerale di Recoaro. 79p. 21cm. Vicenza, 1805.

Hlasiwetz, H. Analyse der mineralquelle Del Franco zu Recoaro. 11p. 21cm. Wien, 1858.

Hoffmann, F. Recoaro und seine Heilquellen; mit besonderer Rücksicht auf die daselbst neu errichtete Militär-Heil-Anstalt. 144p. 21cm. Wien, 1854.

Labat, A. Etude sur la station et les eaux de Recoaro. 29p. 20½cm. Par., 1876.

Lorgna, A. M. Osservazioni fisiche intorno all'acqua marziale di Recoaro. 112p. 16½cm. Vicenza, 1780.

Mastini, A. Osservazioni medico-pratiche intorno alle facoltà e virtù delle acque minerali di Recoaro. 155p. 16½cm. Vicenza, 1781. Also another ed. 151p. 18½cm. Vicenza, 1802.

Nicoletti, D. E. Considerazioni pratiche sulle acque minerali di Recoaro. 148p. 21cm. Verona, 1865.

Pagani, O. M. Dell'acque di Recoaro e delle regole concernenti il lor uso. 166p. 18½cm. Venez., 1783.

Panizza, D. Metodo per usare con profitto le acque minerali di Recoaro. 32p. 21cm. Padova, 1851.

Parteli, F. Pel 2. centenario della scoperta della Regia Fonte Lelia di Recoaro; ode. 11p. 22½cm. Vicenza, 1889.

Recoaro, Italy. Breve metodo per far uso delle acque di Recoaro con la giunta di alcune storie d'infermità sanate con la medesima. 48p. 18½cm. Verona, 1819.

—— Nozioni sopra Recoaro e sulle di lui acque acidule. 39p. 18½cm. Verona, 1835.

—— Aqua acidulo-ferruginosa del Franco in Recoaro. 4p. 21cm. Padua, 1861.

—— Regolamento delle discipline per l'esercizio di noleggio di carrozze, timonelle, cavalli, muli e somarelli sciolti nel tempo di concorso dei forestieri alla bibita delle acque minerali in Recoaro. 8p. 23½cm. Recoaro, 1867.

—— Le acque minerali di Recoaro e l'impresa Antoniani. 21p. 23½cm. Milano, 1872.

—— Regolamento pello stabilimento balneo-idroterapico presso le R.R. fonti minerali di Recoaro. 9p. 20½cm. Valdagno, 1876.

Schauroth, K. v. Uebersicht der geognostischen Verhältnisse der Gegend von Recoaro im Vicentinischen. 84p. 21cm. Wien, 1855.

Schivardi, P., & Chiminelli, L. RR. fonti minerali e regio stabilimento balneo-idroterapico

di Recoaro, Provincia di Vicenza. 8p. 18cm Milano, 1881.

Trettenero, D. Sulle aque minerali di Recoaro; memoria. 12p. 21cm. Milano, 1843.

Zanella, G. Alle acque minerali di Recoaro. 5p. 23cm. Vicenza, 1869.

Fario, L. P. Sulla probabilità d'uno stato elettrico dell'acque di Recoaro. Mem. med. contemp., Venez., 1846, **15:** 242–5.

—— Regoledo.

Schivardi, P. Regoledo e la sua fonte. 56p. 23½cm. Milano, 1868.

—— Rennes-les-Bains.

Lamarque, H. Les eaux minérales des Corbières et la station de Rennes-les-Bains. J. méd. Bordeaux, 1938, **115:** 703–7.

—— Réunion.

Motais de Narbonne, A. *Stations climatiques et hydro-minérales de l'Ile de la Réunion. 37p. 8° Par., 1935.

—— Reyes (Jujuy)

Mazza, S., & Trelles, R. A. Contribución para el conocimiento de las aguas termales de Reyes, Jujuy. Reun. Soc. argent. pat. region. (1930) 1931, 6. Reun., 822–33, illust.

—— Rheinfelden.

Keller, H. Das Soolbad Rheinfelden. 171p. 22cm. Aarau, 1892.

—— Rheinfelden; eine balneologisch-historische Studie. 30p. 14cm. Aarau, 1918.

Meyer, M. Erneuerte Beschreibung des schon vor diesem sehr berühmten und heilsamen Bad-Wassers zu Rheinfelden. 31p. 14cm. Aarau, 1918.

—— Rinaggiu.

Niccolini, P. Acqua della fonte Rinaggiu: sua azione protoplasmatica; sua azione diuretica. Boll. Soc. ital. biol. sper., 1938, **13:** 94.

—— Rio (Elba)

Calamai, L. Sopra le acque minerali di Rio nell'Isola dell'Elba. 50p. 21cm. Fir., 1847.

—— Rio do Pouso.

Nemoto, Y. Agua mineral do Rio do Pouso. Arq. Dep. saúde Rio Grande do Sul, 1940, **1:** 165–70.

—— Riolo dei Bagni.

Lorenzini, E. Riolo, provincia di Ravenna; monografia dello stabilimento idroterapico; cenni storici delle sue acque minerali. 30p. 20cm. Bologna, 1884.

Farneti, P. Le terme di Riolo Bagni; loro evoluzione storica e loro recenti orientamenti terapeutici. Lav. Ist. clin. med. Bologna, 1939–40, No. 31, 1–8. ——— Osservazioni su un triennio di cure idrominerali ai lavoratori nelle Terme di Riolo Bagni, Ravenna. Difesa sociale, 1941, **20:** 401–6. Also Lav. Ist. clin. med. Bologna, 1941 No. 35, 1–6. ——— Le acque sulfuree e clorurato-sodiche di Riolo Bagni. Ibid., No. 36, 1–16.—**Mazzini, G.** Battista Codronchi e le acque minerali di Riolo. Riv. stor. sc. med., 1940, **31:** 1–6.—**Rossi, G.** Riolo Bagni e le applicazioni terapeutiche dell'acqua salsoiodica. Riv. idroclim., 1935, **46:** 530–2.—**Sega, V.** Lo stabilimento idroterapico di Riolo e le sue acque minerali. Racc. med., Forlì, 1897, 5. ser., **23:** 429–35.

—— Rivanazzano Terme.

Carnelutti, C. Relazione al R. Istituto Lombardo di scienze e lettere sulle nuove sorgenti di acque minerali di Rivanazzano presso Voghera. 4p. 22½cm. Milano, 1883.

Passerini, C. L'acqua minerale salso-bromojodica de San Francisco in Rivanazzano (Voghera) 20p. 24cm. Torino, 1888.

—— Roccaforte Mondovì.

Rosso, S., & Cattaneo, R. L'acqua radioattiva di Lurisia in alcune prove clinico-sperimentali. Clin. term., Roma, 1948, **1:** 229–31.

—— Roche-Posay.

Chagavat. La Roche-Posay et sa cure. J. méd. Paris, 1938, **58:** 339.

—— Roma.

Meli, R. Bibliografia riguardante le acque potabili e minerali della provincia di Roma. 109p. 22½cm. Roma, 1884.

Schivardi, P. Le acque minerali della provincia di Roma; ricordi di viaggio. 32p. 23½cm. Milano, 1872.

Tipaldo, G. Metodo di analizare le acque minerali; praticamente dimostrato nell'acqua acetosa di Roma. 83p. 18½cm. Roma, 1782.

Visintin, B. Studio sulle caratteristiche chimiche e chimico-fisiche dell'Acqua Santa di Roma. Rendic. Ist. sup. san., Roma, 1947, **10:** 278–89.

—— Romania.

Rumania. Société roumaine scientifique d'hydrologie médicale et de climatologie. Les stations balnéaires et les eaux minérales de România aperçu sur les stations climatiques. 120p. 31cm. Bucur., 1923.

Haliţa, M., & Danicico, I. [Effect of Hebe mineral water on gastric secretions] Cluj. med., 1928, **9:** 440–50.—**Saabner-Tuduri.** Les eaux minérales sulfureuses de la Roumanie. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 558.—**Tudoranu, G.** Colitele şi tratamentul lor cu apele minerale româneşti. Rev. méd. chir. Jassy, 1936, **47:** 315–9. ——— Colitele şi tratamentul cu ape minerale româneşti. Mişc. med. român., 1937, **10:** 424–7.

—— Roncegno.

Borgherini, A La cura balneare e climatica nello stabilimento di Roncegno nell'anno 1887. 21p. 24cm. Firenze, 1888.

Goldwurm, C. Il bagno arsenicale ferruginosa di Roncegno (nel Trentino) resoconto pel 1883. 48p. 20cm. Borgo, 1884.

De Giovanni. Discours. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 1024–7.—**Kisch, E. H.** Roncegno. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1912, **12:** 574.

—— Rosario de la Frontera.

See also **Balneography.**

Beretervide, J. J., & Rechniewski, C. Las variaciones de la tensión osmótica de las proteínas consecutivas a la ingestión de aguas minerales diuréticas de Rosario de la Frontera. In: An. Clin. (Beretervide, J. J.) 1938, 2. ser., 79–108. Also Prensa méd. argent., 1936, **23:** 1744–54.

—— Rotorua.

Bee, A. G. Thermal activity in New Zealand; Rotorua. J. R. Nav. M. Serv., 1935, **21:** 239–44.

—— Roverè di Velo.

Bozzo, V. Delle acque marziali ne'Monti Veronesi di Roverè di Velo; novellamente scoperte. 73p. 18½cm. Verona, 1767.

—— Roveta water.

Coronedi, G. L'acqua Roveta. Riv. idroclim., 1937, **48:** 139–49.

—— Royat.

See also **Balneography.**

Dawood, A. el M. *Etude de la floculation des eaux minérales de Royat [Strasbourg] 68p. 24cm. Clermont-Ferrand, 1940.

Saddik, E. *Etude physique et chimique des eaux minérales de Royat et de Clermont-Ferrand [Strasbourg] 80p. 24cm. Clermont-Ferrand, 1940.

Barrieu, A. R. Royat et ses grandes indications thérapeutiques. J. sc. méd. Lille, 1923, **41:** pt 2, 26–33. ——— Injections et inhalations de gaz thermaux de Royat. C. rend. Congr. internat. hydr. clim géol. méd. (1933) 1934, 14. Congr. 204–6. ——— Les injections sous-cutanées de gas thermaux de Royat. Maroc méd., 1949, **28:** 265.—**Billard, G., Ferrey-rolles & Mougeot, A.** Nouvelles recherches sur le pouvoir anti-anaphylactique des eaux thermo-minérales de Royat et de la

Bourboule. C. rend. Congr. fr. méd. (1921) 1922, 15. Congr., 185–92.—**Boucomont, R.** Note sur les principaux éléments climatiques de Royat. Prat. méd. fr., 1932, **13**: 344–51.—**Broustet, P.** Indications et résultats de la cure de Royat dans le traitement de l'hypertension artérielle. J. méd. Bordeaux, 1947, **124**: 14–7.—**Deschamps, P. N.** Action clinique et physiologique des gaz thermaux de Royat en injections sous-cutanées et en inhalations. Tunis. méd., 1933, **27**: 279–87. ——— L'utilisation thérapeutique du gaz thermal à Royat. Presse therm. clim., 1947, **84**: 9–16.—**Frédet.** Action du bain de Royat sur la peau saine et malade. C. rend. Ass. fr. avance. sc. (1908) 1909, **37**: 867–9.—**Heitz, J.** Indications et résultats des bains carbo-gazeux de Royat chez les artério-scléreux. Ibid. (1907) 1908, **36**: pt 2, 1273–82.—**Inauguration** de la Maison de Royat à Paris. Paris méd., 1939, **114**: 58.—**Mougeot.** Les nébulisations d'eau minérale à Royat. Rapp. Journees thér. Paris (1946) 1948, 437–9.—**Romeuf.** L'hypertension artérielle et Royat. Bull. méd., Par., 1948, **62**: 139.—**Urbain, G., Bardet, J.** [et al] Analyse des eaux minérales de Royat. Ann. Inst. hydr., Par., 1938–39, **12**: 241–87.

—— Rumania.

See subheading (Romania)

—— Russia.

Daniševsky, G., & Goldfeil, L. Курорты. p.143–213. 25½cm. Moskva, 1930.
In: Bolsh. med. encikl., 1930, **15**:

Goldfeil, L. G. Показания и противопоказания для лечения больных на курортах и в местных санаториях. 310p. 20½cm. Moskva, 1949.

Percov, I. A. Health resorts of the USSR. 271p. 22cm. Moskva, 1940[?]

Alexandrov, V. A., & Rusakov, M. J. Kurorty Urala, Priuralja i Srednego Povolžja. Sovet. zdravookhr., 1947, No. 7, 27–36.—**Bagaśev, I.** Zabajkalskie kurorty. In: Bolsh. med. encikl., 1929, **10**: 397–404. ——— Mineralnye istočniki Zabajkalja [map] Ibid., 401.—**Beniaś, T.** Novye sovetskie kurorty. Med. rabot., 1946, **9**: No. 26, 1.—**Caucasian** (The) Mineralnye Vody, mineral waters. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 61–78.—**Cherdyncev, V.** Content of radon in the waters of the Tartar Autonomous Socialist Soviet Republic. C. rend. Acad. sc. URSS, 1942, **36**: 206–8.—**Danishevsky, G.** Kurorty SSSR. In: Bolsh. med. encikl., 1930, **15**: 151–76.—**Dobrzyński, J.** Lecznictwo zdrojowiskowe w ZSRR. Polski tygod. lek., 1949, **4**: 279; 310.—**Dzens-Litovsky, A. I.** [Mineral sources of the Caucasus group of mineral waters] Priroda, 1940, **29**: 70–83. ——— & **Tolstikhin, N. I.** [Mineral springs and muds in Russia] Ibid., 1937, **26**: 104–24.—**Goldfeil, L.** Pereċen kurortov SSSR s kratkoj ikh kharakteristikoj. In: Osnovy kurort., Moskva, 1932–36, **1**: 451–67. Also in his Spravoch. vrach. kurorty &c., Moskva, 1941, 56–74.—**Health** resorts of the Abkhazian Autonomous Soviet Socialist Republic. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 127–43.—**Health** resorts of the Adjar Autonomous Soviet Socialist Republic. Ibid., 119–26.—**Health** resorts of the Armenian Soviet Socialist Republic. Ibid., 144–52.—**Health** resorts of the Buryat-Mongolian Autonomous Soviet Socialist Republic. Ibid., 177–82.—**Health** resorts of the Georgian Soviet Socialist Republic. Ibid., 99–114.—**Health** resorts of the Kirghiz Soviet Socialist Republic. Ibid., 183–8.—**Health** resorts of the South Ossetian Autonomous Region. Ibid , 115–8.—**Health** resorts of the Turkmen Soviet Socialist Republic. Ibid., 189–96.—**Health** resorts of the Ukrainian Soviet Socialist Republic. Ibid., 153–76.—**Instrukcia** VCSPS ob otpuskakh dlja sanatorno-kurortnogo leċenija. In: Spravoch. vrach. kurorty &c. (Goldfeil, L. G.) Moskva, 1941, 83–6.—**Khrisanfov, N. E.** [Soviet health resorts and sanatoriums] In: Dvadc. piat. let sovet. zdravookhr. (Miterev, G. A.) Moskva, 1944, 145–53.—**Kobuleti.** In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 121.—**Koysara.** Ibid., 187.—**Kuznecov, S. I.** [Comparative characteristics of the microflora of the waters of the Macesta and Agur mineral springs] Mikrobiologia, Moskva, 1938, **7**: 316–28.—**Lastočkin, P. N.** O sanitarnom sostoianii gidrominerałnykh i klimatiċeskikh resursov Kavkazskikh mineralnykh vod. Hig. & san., Moskva, 1945, **10**: No. 6, 9–13.—**Lozinsky, A.** Kavkazskie mineralnye vody. In: Bolsh. med. encikl., 1930, **12**: 55–60, 2 pl., map.—**Multanovsky, M. P.** Zakavkazskie kurorty. Ibid., 1929, **10**: 454–61, map.—**Natural** (The) curative resources of the Union of Soviet Socialist Republics and their utilization. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 20–38.—**Ovčinnikov, A. M.** Izućenie i ispolzovanie mineralnykh vod. Med. rabot., 1947, **10**: No. 21, 2.—**Pravila** medicinskogo otbora i napravlenija bolnykh dlja leċenija na kurortakh i v mestnykh sanatorijakh. In: Spravoch. vrach. kurorty &c. (Goldfeil, L. G.) Moskva, 1941, 75–8.—**Ratner, S. I.** [Treatment of affections of the extremities at the health resort, Anna's mineral waters] Vopr. kurort., 1939, No. 1, 58–63.—**Schematic** table of therapeutic indications for the health resorts of the U. S. S. R. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 249–69.—**Shćerbak, F. I.** Poćvenno-sanitarnye issledovanija territorii kurortov Kavkazskikh mineralnykh vod. Hig. & san., Moskva, 1946, No. 10, 8.—**Sokolov, S.** Research and treatment in Soviet health resorts. Brit. J. Phys. M., 1942, **5**: 174.—**Uspensky, P.** [Les tâches de l'organisation sanitaire dans les villes d'eau minerale du Caucase] Hig. epidem., Moskva, 1928, **7**: No. 7, 67–74.—**Volkova, O. U.** [Biochemical origin of hydrogen sulphide in the sulphur springs of Caucasus] Arkh. biol. nauk, 1936, **43**: 63–72.—**Vypiska** iz prikaza po Narodnomu komissariatu zdravookhranenija SSSR No. 1118, ot 19–9 1938g. In: Spravoch. vrach. kurorty &c. (Goldfeil, L. G.) Moskva, 1941, 78–80.—**Yegorov, N.** Restoration of the Caucasian spas. Brit. J. Phys. M., 1943, **6**: 124.

—— Ruthven (Iowa)

Hayden, A. A quarterly standard mineral analysis of the waters of four Iowa lakes in the Ruthven area. Proc. Iowa Acad. Sc., 1948, **55**: 171–7.

—— Saalfeld.

Jung, H. Quellen und Quellensedimente der Saalfelder Feengrotten. Pharmazie, Berl., 1948, **3**: 546–9.—**Kukowka, A.** Die Saalfelder Heilquellen. In his Heilquell. Thüring., Rudolstadt, 1948, 76–83.—**Schott, L.** Die Saalfelder Heilquellen und ihre Anwendung in der Medizin. Zschr. Kurortwiss., 1932–33, **2**: 425–30.

—— Sadgorod.

Barbas, M. I. Курорт Садгородская грязелечебница и его лечебное значение. p.113–207. 21½cm. Irkutsk, 1930.
In: Sborn. Irkutsk. gosud. univ., 1930, **17**:

Sadgorod. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 208.

—— Saidschitz water.

See also subheading (Bilin)

Gübel, W. Klinische Untersuchung über die abführende Wirkung des Saidschitzer Bitterwassers. Balneologe, 1941, **8**: 235–9.

—— Sails-sous-Couzan.

Fabre, R. Sur une demande de renouvellement d'autorisation d'exploitation des sources d'eau minerale Gatier et Julien situées sur la commune de Sail-sous-Couzan (Loire) Bull. Acad. méd., Par., 1942, **126**: 400–2.—**Le Noir.** Sur une demande de renouvellement d'autorisation d'exploitation de la source Astrée à Sail-sous-Couzan. Ibid., 1940, **123**: 604–7.

—— Saint-Amand-les-Eaux.

See also **Balneography.**

Gérard, A. G. *Quelques recherches sur la sédimentation globulaire et la résorcino-réaction de Vernes au cours de la cure de Saint-Amand-les-Eaux. 55p. 24cm. Lille, 1935.

—— Saint-Aré.

Gourand, P. *Contribution à l'étude de l'action de l'eau de Saint-Aré (Decize) sur les états vésiculaires douloureux. 51p. 8° Par., 1934.

—— Saint-Boès.

Saint Boès, France. Eau minérale naturelle de Saint Boès. 4p. 16cm. Vichy, 1880[?]

—— Saint-Colomban.

Santenoise, D., Franck, C. [et al.] Etude physiologique du mode d'action de l'eau de Saint-Colomban sur la pression artérielle. Presse therm. clim., 1933, **74**: I78–82.

—— Saint-Galmier.

Kisch, E. H. Galmier (Saint-) In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1908, **5**: 320.—**L., R.** L'eau de Saint Galmier, source Badoit et ses indications. Rev. prat. mal. pays chauds, 1939, **19**: 123–7.

—— Saint-Gervais-les-Bains.

See also **Balneography.**

Cluzet, Nogier [et al.] Les eaux minérales et la cure de Saint-Gervais. Ann. Inst. hydr., Par., 1935, **10**: 93–133.—**Roux.** Considérations nouvelles sur les eaux de Saint-Gervais-les-Bains. C. rend. Congr. fr. méd., 1929, 20. Congr., 472.

—— Saint-Honoré-les-Bains.

See also **Balneography.**

Fouchard, R. Infection habituelle du cavum chez l'enfant; une des indications essentielles de la cure sulfureuse et arsenicale de Saint-Honoré-les-Bains. Gaz. méd. France, 1948, **55:** 393.

—— Saint-Mard.

Massonfour & Chevallier. Notice analytique sur les sources d'eaux minérales du parc de Saint-Mard, département de Seine et Marne; essai analytique sur ces eaux. Observ. sc. méd., 1824, 7: 210.

—— Saint-Nectaire.

See also **Balneography.**

Porge, J. F. Le traitement des albuminuries et des affections médicales du rein par la cure hydrominérale de Saint-Nectaire. Rev. gén. méd. chir. Union fr., Alger, 1948, **25:** 945–8.—**Roux, E.** Histoire médicale de Saint-Nectaire. In: Et. hydr. clin. mal. reins (Porge, D., Roux, E.) Par., 1935, 41–77.—**Siguret, G.** Régimes et tables de régimes à Saint-Nectaire. Ibid., 133–40.—**Versepuy, A.** Les Eaux de Saint-Nectaire (Source rouge) en injections hypodermiques. Ibid., 141–51.

—— Saint-Priest-Bramefant.

Fabre, R. Sur une demande d'autorisation d'exploitation de la source Primera à Saint-Priest-Bramefant (Puy-de-Dôme) Bull. Acad. méd., Par., 1942, **126:** 131–5.

—— Saint-Sauveur.

See also **Balneography.**

Baudrimont, E. J. M. A. A. *Les cures hydro-minérales et plus particulièrement la cure sulfureuse de Saint-Sauveur dans le traitement des névralgies pelviennes. 68p. 25½cm. Bord., 1939.

Laplanche, H. *Les eaux de Saint-Sauveur en dehors de leur action gynecologique [Paris] 62p. 24½cm. Tarbes, 1938.

Planté, H. D. *Contribution à l'étude des eaux sulfurées sodiques de Saint-Sauveur; dosage colorimétrique de la silice dans les eaux sulfureuses. 71p. 25cm. Bord., 1933.

Particularités de la cure thermale de Saint-Sauveur (H.-P.) Gaz. hôp., 1948, **121:** 222. Also Gaz. méd. France, 1948, **55:** 414.—**Surle, H.** La cure thermale gynécologique aux eaux sulfureuses de Saint-Sauveur-les-Bains. Sem. hôp. Paris, 1935, **11:** 256–62.

—— Saki.

Goldfeil, L. Saki. In: Bolsh. med. encikl., 1934, **29:** 460–2.—**Kurella, A.** Perspektivy rosta Sakskogo kurorta. Med. rabot., 1946, **9:** No. 58, 2.—**Saki.** In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 205–7.

—— Sales.

Bona, G. B. Sull'azione terapeutica dell'acqua di Sales. Riv. idroclim., 1933, **44:** 153–63.—**Duponchel, A. A.** Découverte de l'iode dans les eaux minérales de Sales, province de Voghera, Piémont. Bull. Soc. méd. émul., Par., 1822, 431–4.

—— Salies-de-Béarn.

Daguin, F. Sur l'Helvétien de Salies-de-Béarn (Basses-Pyrénées) J. méd. Bordeaux, 1937, **114:** 779–82.—**Larrouy, L.** Indications et résultats des cures thermales à Salies-de-Béarn. Gaz. méd. France, 1943, **50:** 132–4.

—— Salins-de-Jura.

Boutin & Villedieu. Le traitement hydro-minéral des affections de la femme et de l'enfant à Salins-du-Jura. Rev. méd. Nancy, 1947, **72:** 113–9.—**Landouzy.** Salins-les-bains; la mer à la montagne. Presse therm. clim., 1939, **80:** 233–43.—**Roussy, G., Boisseau, J., & d'OElsnitz, M.** La station neurologique de Salins (Jura) après trois mois de fonctionnement (projections de films cinématographiques) Bull. Soc. méd. hôp. Paris, 1917, 3. ser., **41:** 643.

—— Salsomaggiore.

Berzieri, L. Intorno ai primi esperimenti terapeutici eseguiti coi bagni delle acque madri saline di Salsomaggiore negli anni 1839, 40 e 41; memoria. 29p. 20cm. Borgo S. Donnino, 1842.

Dalla Rosa, G. Monografia delle acque salso-jodo-bromiche di Salsomaggiore nella Provincia di Parma. 88p. 21cm. Parma, 1871.

—— Salsomaggiore ed i suoi bagni il suo passato, il suo presente e il suo avvenire. 3. ed. 136p. 18cm. Borgo, 1884.

Malvisi, A. Le acque salso jodo-bromiche di Salsomaggiore nella Provincia di Parma. 29p. 18cm. Parma, 1883.

Stoppani, L. E. Comparazione tra le sorgenti minerali salso-jodurate di Salsomaggiore, Salice e Sales. 15p. 24cm. Milano, 1887.

Alfieri, E. Le malattie ginecologiche curabili a Salsomaggiore. Atti Settim. med. internaz. (1937) 1938, 1. meet., 421–82, incl. French transl.—**Angelini, G.** Le acque di Salsomaggiore nella medicina interna. Riv. idroclim., 1941, **52:** 68–70.—**Barengo, E.** Modificazioni della glicemia per effetto del bagno salsoiodico di Salsomaggiore. Ibid., 1938, **49:** 274–7. ——— L'influenza del bagno salsoiodico di Salsomaggiore sul circolo. Cuore & circol., 1939, **23:** 410–22. ——— Ricerche su alcune azioni biologiche del bagno salsoiodico di Salsomaggiore; azione della serie dei bagni. Med. ital., 1940, **21:** 215–23.—**Bergamini Di Capua, C., & Guidi, G.** Ricerche sull'assorbimento per via cutanea dei componenti minerali delle acque di Salsomaggiore. Boll. Soc. ital. biol. sper., 1938, **13:** 874.—**Bravi, G.** Risultati terapeutici ottenuti con nebulizzazioni salsojodiche di Salsomaggiore. Osp. maggiore, Milano, 1947, **35:** 80–7.—**Cardin, A., & Torboli, A.** Sul meccanismo d'azione delle acque minerali salsoiodiche in rapporto alla contrattilità dell'ovaio. Ann. ostet. gin., 1940, **62:** 1321–36.—**Gibertini, A.** Analisi dell'acqua salsa di Salsomaggiore nella provincia di Parma. Gior. farm. chim., Tor., 1871, **20:** 316–8.—**Gualco, S.** Dosaggio biologico della capacità vasocostrittoria, vasodilatatoria e linfogoga della cute prima e dopo la cura di Salsomaggiore. Riforma med., 1937, **53:** 382–4.—**Guidi, G.** Azione delle acque di Salsomaggiore sullo sviluppo dei girini di rana. Boll. Soc. ital. biol. sper., 1936, **11:** 801. ——— Contributo sperimentale farmacologico sui prodotti derivati dalle acque di Salsomaggiore: il carbosal. Arch. ital. sc. farm., 1937, **6:** 73–81. ——— Su l'assorbimento dell'iodio delle acque di Salsomaggiore attraverso la cute integra. Boll. Soc. ital. biol. sper., 1938, **13:** 156. ——— Azione delle acque di Salsomaggiore sulla nutrizione della cavia. Ibid., 157. ——— Ulteriori ricerche sull'assorbimento cutaneo degli elementi mineralizzatori delle acque di Salsomaggiore. Ibid., 457. ——— Ricerche su l'assorbimento per via cutanea dei componenti mineralizzatori delle acque di Salsomaggiore. Ibid., 679.—**Introna, F., & Patrono, V.** Ricerche sul comportamento dell'azione dinamico-specifica sotto l'influenza delle cure di Salsomaggiore. Minerva med., Tor., 1937, **28:** pt 2, 229–33.—**Scarpitti, C.** Studio dell'azione delle acque salso-bromo-jodiche delle RR; terme di Salsomaggiore sulla funzionalità dell'apparato genitale femminile. Ann. ostet. gin., 1937, **59:** 1383–428.—**Troni, A.** I tre profeti di Salso. Minerva med., Tor., 1940, **31:** pt 2, Varia, 200–2.—**Varanini, M.** Salsomaggiore e le cure termali dei bambini; realizzazioni e propositi. Riv. idroclim., 1938, **49:** 337–41.

—— Salvarola.

Giorgini. Analisi dell'acqua salso-bromo-jodica della Salvarola nel territorio di Sassuolo (Clipping) [c. 1873?]

—— Salvaterra.

Ferrari, A. A água mineral de Salvaterra. Bol. Acad. nac. med., Rio, 1941–42, **113:** No. 2, 36–9.

—— Salvetat-sur-Agoût.

Salvetat, A. L. E. *Les eaux d'alimentation de la Salvetat-sur-Agoût (Hérault) leurs propriétés radioactives. 104p. 25½cm. Montpel., 1936.

—— Salzbrunn.

Schivardi, P. L'acqua minerale della Corona (Kronenquelle) 15p. 18cm. Bresl., 1890.

Geschwendt, F. Germanen nützten die Salzbrunner Mineralquellen. Balneologe, 1938, **5:** 566–70.—**Härtel, H.** Das neue Kurmittelhaus des Preussischen Staatsbades Salzbrunn in seinen gesundheitstechnischen Anlagen. Gesundh. Ingenieur, 1942, **65:** 113–9.

—— San Bernardo.

Crosetti, L. Azioni ed indicazioni cliniche dell'acqua oligometallica di S. Bernardo. Riv. idroclim., 1938, **49:** 201–10.—**Guidi, G.** Determinazione del potere diuretico delle acque minerali; Acqua San Bernardo. Ibid., 1934, **45:** 304–15. ——— & **Starnotti, C.** Ricerche sul potere diuretico dell'acqua minerale San Bernardo. Arch. ital. sc. farm., 1934, **3:** 1–44.

—— San Casciano dei Bagni.

Giorgini, G. Sulle acque termo-minerali di San Casciano dei Bagni. 64p. 23cm. Siena, 1876.

Bussi, A. Le acque ed i fanghi di San Casciano. Forze san., Roma, 1933, **2**: 1504–10.

—— San Daniele.

Analisi dell'acqua solforosa salina fredda del colle di S. Daniele. 1 l. 19cm. n.p. n.d.

—— San Diego de los Baños.

Cabarrouy, J. M. Topografía y patología médicas de S. Diego de los Baños. Crón méd. quir. Habana, 1899, **25**: 265; passim.—**Embil, J.** El ácido sulfhídrico de las aguas medicinales de San Diego de los Baños y su posible relación con las calizas fétidas de donde brotan. Arch. Inst. nac. hidr. clim. méd., Habana, 1946–47, **1**: No. 4, 17–20.—**Guerra y Debén, J.** Determinación de la radioactividad (contenido de radón y de radio) en las aguas del balneario de San Diego de los Baños. Ibid., No. 3, 54; No. 4, 45.—**López Rendueles, J., Añorga, C. J.** [et al.] Comprobación de la presencia del azufre coloidal y del estado de excitación de las aguas del balneario de San Diego de los Baños. Ibid., 1949, **3**: 103–13.

—— Sangemini.

Olivieri, R. L'acqua acidula di Sangemini (Umbria) 7p. 22½cm. Firenze, 1888.
Idr. clim. med., 1888, **10**:

Purgotti, E. Acque minerali di Santo Gemini. 96p. 23cm. Perugià, 1873.

Spadea, G., Mancioli, M., & Bilancioni, G. Influenza di alcune acque minerali sul ricambio vitaminico; influenza di un'acqua bicarbonato-alcalina (acqua Sangemini) sul ricambio della vitamina C. Clin. term., Roma, 1948, **1**: 60–4.

—— San Georgiu (or Szentgyörgy)

Haliţa, M., & Gàvrilă, I. [Action of Săngeorgiu-Băi mineral water Hebe on the secretion of urine] Cluj. med., 1929, **10**: 122–6.—**Haliţa, M., & Popescu, C.** [Effect of mineral waters on disorders of glucide metabolism; effect of the mineral spring Săngeorgiu-Băi] Ibid., 1939, **20**: 291; 319.—**Hăngănut, M., & Haliţa, M.** [Effect of Săngeorgiu mineral water on gastric secretion] Ibid., 1932, **13**: 135–52.

—— Sankt Joachimstal.

Heiner, M. St. Joachimsthal unter den Radiumbädern Grossdeutschlands. Münch. med. Wschr., 1939, **86**: 400.—**Pirchan, A.** Balneologische Radiotherapie in St. Joachimsthal. Mschr. ungar. Med., 1930, **4**: 91–101.

—— Sankt Moritz.

See also **Balneography.**

De Planta, A., & Kekulé, A. Analyse chimique des eaux de Saint-Moritz (Canton des Grisons) 31p. 20½cm. Coire, 1855.

Meyer-Ahrens, K. St. Moritz im Oberengadin; seine Heilquellen und Kuranstalten; mit einem Originalbeitrag über das Klima von Chr. G. Brügger. 38p. 20cm. Zür., 1860.

Wettstein, J. U. Beschreibung der St Morizer Brunner u. Badeanstalt, nebst Rath und Anleitung zum richtigen Gebrauche der Trink und Badecuren. 2. Ausg. 72p. 21cm. Chur, 1833.

Quelle (Die) von St. Moritz. Praxis, Bern, 1943, **32**: 610.—**Saint Mauritiusquelle** in St. Moritz-Bad. Ibid., 224.

—— San Leopoldo.

Cervini, C., & Mannetti, C. Influenza della somministrazione di acqua di S. Leopoldo sulla funzionalità gastrica e sull'uricemia. Minerva med., Tor., 1949, **40**: 198–200.

—— San Miguel de los Baños.

Coro del Pozo, A., Vidal, R. [et al.] Estudio experimental de la influencia del agua de San Miguel de los Baños (Fuente de la Salud) sobre la célula hepática en animales sanos. Vida nueva, Habana, 1942, **49**: 169–98.—**Embil, J.** La fotolisis del hidrógeno sulfurado en las aguas de San Miguel de los Baños. Arch. Inst. nac. hidr. clim. méd., Habana, 1946, **1**: 13–8.

—— San Paolo.

Tassinari, A. Dell'acqua minerale di San Paolo in Venezia terapeuticamente considerata. Mem. med. contemp., Venez., 1847, **17**: 541.

—— San Pellegrino.

Carrara, G. L. Delle acque semitermali di S. Pellegrino; seconda edizione accresciuta di una lettera del Cav. Prof. Giuseppe Frank e del trattato sulle medesime del Protofisico Giuseppe Pasta, non che di una lettera dell'autore su tutte le altre acque minerali del Bergamasco. 137p. 21cm. Milano, 1829.

Regazzoni, C. Delle acque termali salino, jodurate di S. Pellegrino in Valle Brembana, provincia di Bergamo; cenni pratici. 2. ed. 22p. 23½cm. Bergamo, 1866.

Bona, G. B. Sul potere diuretico ed antiurico dell'acqua di San Pellegrino trasportata a distanza. Riv. idroclim., 1943, **54**: 17; 39.—**Devoto, L.** Per S. Pellegrino e per la sua montagna estiva ed invernale. Idr. clim., 1917, **28**: 4–10.

—— Santa Barbara do Fervedouro.

Veiga, A. da. Aguas de Santa Barbara do Fervedouro. Brasil med., 1930, **44**: 682–4.

—— Santa Caterina.

Casella, G. La fonte acidulo-marziale-alcalina di Santa Caterina in Val Furva sopra Bormio. 158p. 18½cm. Milano, 1867.

—— Santa Lucia.

Buonamici, E., & Targioni-Tozzetti, A. Acqua minerale salino-magnesiaca di Santa Lucia; con considerazioni chimico-mediche. 19p. 23cm. Fir., 1863.

—— Santa Maria del Rosario.

Trelles Soler, F. Estudio sobre las aguas del balneario de Santa María del Rosario, Provincia de La Habana, y breve estado comparativo con aguas colindantes. Arch. Inst. nac. hidr. clim. méd., Habana, 1948, **2**: 62–6. ——— Breve historia del balneario de Santa María del Rosario, y estudio de la radio-actividad (contenido de radón) de sus aguas. Ibid., 300.

—— Sant'Andrea dei Bagni (Medesano)

Maucci, O. C. Determinazione del potere diuretico dell'acqua minerale alcalina-litioso-stronzica di S. Andrea in Medesano (Provincia di Parma) Riv. idroclim., 1937, **49**: 193; 232.

—— Santa Terezinha water.

Pupo, A. Estudo da ação terapêutica da água proveniente da fonte Santa Terezinha. Rev. méd. Paraná, 1947, **16**: 15–8.

—— San Vicente.

Albán Meztanza, E. Estudio de las aguas termales de San Vicente. Rev. As. Esc. quím. farm., Quito, 1943, **1**: No. 2, 5–12.

—— San Vincenzo.

Abbene, A. Relazione fatta al municipio di S. Vincenzo (S. Vincent Aosta) intorno all'acqua minerale acidulo-ferruginosa e salina, che scaturisce da una rinomata sorgente in vicinanza di detto comune e nuova chimica analisi della medesima. 16p. 20cm. Tor., 1864.

Gh., G. San Vincenzo d'Aosta e le sue acque minerali. 34p. 20½cm. n. p. 1845.

Sollier, T. Relazione fatta al Municipio di San Vincenzo (St. Vincent) (Aosta) intorno all'acqua minerale acidula-ferruginosa e salina, che scaturisce da una rinomata sorgente in vicinanza di detto comune; nuova chimica analisi della medesima del Commendatore Angelo Abbene. Gior. farm. chim., Tor., 1864, **13**: 289–303.

—— San Zenone.

Garbini, G. Memoria storica sulla topografia, prerogative e rapporti del villaggio di Santozenone e della scoperta verificatasi nel 1852 di due fonti una d'acqua minerale salino-ferruginosa la seconda d'acqua salino-purgativa. 32p. 21cm. Bassano, 1853.

Ragazzini, F. Relazione ed analisi chimica delle aque minerali salino-ferruginose di San Zenone, provincia di Treviso, distretto di Asolo. 31p. 21cm. Padova, 1853.

Rossi, N. Sulla nuova fonte di S. Zenone; fatti e relative osservazioni. 18p. 21cm. Bassano, 1854.

—— São Lourenço.

Andrade, jr, J. F. de. Estação hydro mineral de São Lourenço, fonte Vichy; natureza, emergencia, origem, captação. An. Acad. brasil. cienc., 1932, **4**: 41–55.—**Brandão, M.** Aguas de S. Lourenço; analises e opiniões que se contradizem. Ann. paul. med. cir., 1931, **22**: 220–2.

—— São Paulo.

Teixeira, A. de S. Fontes hidromedicinais do estado de São Paulo. p.197–354. 27½cm. S. Paulo, 1946.
In: Arq. hig. S. Paulo, 1946, **11**:

—— São Pedro.

Cavalcanti, T. A. de A., & Nogueira, C. C. Ação das aguas de São Pedro sobre o aparelho cardio-vascular e a reserva alcalina. p.251–328. 23cm. S. Paulo, 1943.
São Paulo med., 1943, **16**: pt 2.

Araujo, C. da S. Aguas de São Pedro. Labor. clin, Rio, 1940, **20**: 359; passim.—**Elias, S.** Estância hidromedicinal de São Pedro. Bol. Sanat. S. Lucas, S. Paulo, 1942–43, **4**: 35–9.—**Neiva, C., & Prado, jr, F.** As aguas de S. Pedro e o sulfato de csparteina. Brasil med., 1941, **55**: 179. ——— Contribuição ao estudo das águas minerais de S. Pedro. Pub. farm., S. Paulo, 1941–42, **7**: No. 27, 11–7.—**Nogueira, C. C.** Ação das aguas de São Pedro sobre o intestino isolado de coelho. An. Fac. med. Univ. S. Paulo, 1942, **18**: 81–109, 10 pl. ——— Ação das aguas de São Pedro sobre os caracteres da curva glicemica no cão. Ibid., 1943, **19**: 93–116.—**Santos, O. de P., Orsini, D.** [et al.] Contribuição para o estudo da água sulfídrica de São Pedro. Hospital, Rio, 1946, **29**: 695–738.—**Souto, A. B., & Prado, jr, F.** Poder anagotóxico das águas de São Pedro sobre algumas toxinas microbianas; poder anagotóxico das águas alcalino-sulfurosas, cloro-bicarbonatadas-sódicas e cloro-sulfatadas-sódicas sobre a toxina tetânica. Ibid., 1940, **18**: 1019–27.

—— São Pedro do Sul.

Correia Soares, A. Termas de S. Pedro do Sul; a nascente termal. Coimbra méd., 1935, **2**: 332–6.—**Narciso, A.** As termas de S. Pedro do Sul e as comemorações centenárias. Clín. hig. & hidr., Lisb., 1940, **6**: 163.

—— Saratoga Springs.

See also **Balneography.**

Colony, R. J. Report to the Saratoga Springs Commission on a re-study of the geology of the Saratoga area and the problem of the mineral waters. p.73–206. 23cm. Alb., 1930.
In: Rep. Saratoga Springs Com., 1930.

McClellan, W. S. The Saratoga Spa. 4. print. 10p. 23cm. Alb., 1942.
Forms No. 6, Pub. Saratoga Spa. Also: J. Am. Inst. Homeop., 1936, **29**: 210.

—— Recent chemical and clinical studies of the mineral waters of the Saratoga Spa. 9p. 23cm. Alb., 1943.
Forms No. 12, Pub. Saratoga Spa. Also: Med. Times, N. Y., 1943, **71**:

—— Indications for the internal use of the naturally carbonated mineral waters of the Saratoga Spa. 5. print. 10p. 23cm. Alb., 1946.
Forms No. 9, Pub. Saratoga Spa.

Saratoga Springs Commission. Report to the Legislature. 216p. 23cm. Alb., 1930.
Forms Legisl. Doc. No. 70 (1930) State of N. York.

—— Annual report of the Saratoga Springs Commission and of the Saratoga Springs Authority. Alb. (1931–32) 1933–

Strock, L. W. Geochemical data on Saratoga mineral waters, applied in deducing a new theory of their origin. 35p. 23cm. Alb., 1944.
Forms No. 14, Pub. Saratoga Spa. Also: Am. J. Sc., 1941, **239**:

Baudisch, O. Chemical clues to the origin of the Saratoga mineral waters. Science, 1937, **86**: 532.—**Goldring, W.** On the origin of the Saratoga mineral waters; Cryptozoon; plant nature and distribution. Ibid., 530.—**Grodnitzky, B. L.** A possible explanation for the therapeutic value of the Saratoga Waters in circulatory disorders. Bull. Russ. M. Soc. N. York, 1939, 104–8.—**Humphrey, J. F.** A study of the natural Nauheim baths at Saratoga Springs, N. Y. Yearb. M. Ass. Gr. N. York, 1920, 159–72.—**McClellan, W. S.** The mineral waters of Saratoga and their therapeutic application. Blue Book, N. Y., 1932, **3**: 32–5. ——— The Saratoga spa. J. Am. Inst. Homeop., 1936, **29**: 210–4. ——— Mineral waters of the Saratoga spa. Med. Times, N. Y., 1943, **71**: 40–6. ——— The use of naturally carbonated saline-alkaline mineral waters in conditions affecting the alimentary tract. Am. J. Digest. Dis., 1945, **12**: 36–42. ——— Collections on the history of balneology in Saratoga Springs, N. Y. Bull. Hist. M., 1946, **20**: 571–82.—**Roedemann, R.** Diffcrent views held on the origin of the Saratoga mineral waters. Science, 1937, **86**: 531.—**Sigerist, H. E.** The early medical history of Saratoga Springs. Bull. Hist. M., 1943, **13**: 540–84.—**Strock, L. W., & Drexler, S.** Geochemical study of Saratoga mineral waters by a spectrochemical analysis of their trace elements. J. Optic. Soc. America, 1941, **31**: 167–73.

—— Sardara.

See also **Balneography.**

Giunti, L. Influenza dei bagni termali alcalini bicarbonato-sodici sulla composizione del sangue; ricerche esperimentali con l'acqua minerale di Sardara. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, **7**. Congr., 380.

—— Sardinia.

Dore, F. Acque minerali e termali della Sardegna. Forze san., Roma, 1935, **4**: 1421–3.

—— Sarnano.

Baglioni, S. Cinque anni di consulenza sanitaria alle fonti dell'acqua minerale di S. Giacomo di Sarnano. Fisiol. & med., Roma, 1938, **9**: 479–87.

—— Sassari.

Serra, A. Osservazioni su alcune acque medicamentose della provincia di Sassari. Rass. ter. pat. clin., 1936, **8**: 513–8.

—— Sassay Plancoët.

Léon, R. J. *Essai d'étude biologique et clinique de l'eau de Sassay Plancoët [Paris] 117p. 24cm. Landerneau, 1940.

—— Saujon.

Dubois, R., & Dogny, M. Les modifications du pH urinaire sous l'influence de la cure hydrothérapique de Saujon. J. méd. Bordeaux, 1936, **113**: 75.

—— Savignone.

Ferrarini, C., & Romanengo, G. B. Stabilimento idroterapico di Savignone in Val di Scrivia, presso Busalla. 9p. 20½cm. Reggio nell'Emilia, 1876.

—— Scaletta.

Bedin, D., & Carlassare, G. Sulla nuova fonte minerale della Scaletta in Valmarana d'Altavilla presso Vicenza. 40p. 23½cm. Vicenza, 1870.

Grandesso-Silvestri, O. Fonte acidulo-mariziale-idrosolforica della Scaletta, presso Vicenza. 8p. 23½cm. Padova, 1870.

—— Della nuova fonte minerale la Scaletta presso Vicenza. 8p. 23½cm. Vicenza, 1870.

—— Scarborough.

Simpson, W. Hydrologia chymica; or, The Chymical anatomy of the Scarbrough, and other spaws in Yorkshire. 374p. 8° Lond., 1669.

Wittie, R. Pyrologia mimica; or, Answer to Wm. Simpson in defence of Scarbrough Spaw. 312p. 12° Lond., 1669.

—— Scarbroughs spagyrical anatomizer dissecter; or, Answer to Dr Tonstall. 127p. 16° Lond., 1672.

Hydrologia chymica, or, the chymical anatomy of the Scarbrough and other spaws in York-Shire, &c. by W. Sympson [Bk Rev.] Philos. Tr., Lond., 1667–69, **2**:–**3**: 850–2.

—— Schinznach.

Müller, J. R. *De thermis Schinznacensibus. 28p. 21cm. Basel, 1763.

Ziegler, J. Heil-Brunnen; das ist, Beschreibung des köstlichen warmen Gesund-Bads bey Schintznacht an dem Aren-Fluss ohnfern der Statt Brug in dem Aergew in der Mächtigen H. von Bern Landschafft gelegen. 20p. 19½cm. Zür., 1663.

Buess, H. Zur Geschichte von Bad Schinznach. Ciba Zschr., Basel, 1945–47, **9**: 3533.—**Scheuchzer, J. J.** Das Schinznacher-Bad; Thermae schinznacenses. In his Hydrogr. Helvet., Zür., 1717, 325–41

—— Schio.

Brugnoli, G. Saggi clinici coll'acqua ferruginosa della Piana, presso Schio. 11p. 21cm. Schio, 1871.

—— Schmalkalden.

Kukowka, A. Die Lauraquelle in Schmalkalden. In his Heilquell. Thüring., Rudolstadt, 1948, 89–91.

—— Schuls.

See with subheading (Tarasp)

—— Sclafani.

Cappa, R. Dell'analisi chimica e delle proprietà medicinali dell'acqua termo-minerale di Sclafani. 40p. 21cm. Nap., 1847.

Cocola, D., & Zinno, S. Studii chimici terapeutici clinici del limo e delle acque termo-minerali di Sclafani in Sicilia [113]p. 23cm. Nap., 1872.

—— Seewen.

Ab-Egg, F. K. Badeanzeige, oder, Eröffnung des Mineralwassers zu Seewen, ohnweit Schwyz. 14p. 18cm. Seewen, 1832.

—— Das Seewerbad im Canton Schwyz mit besonderer Berücksichtigung der Badeanstalt. 16p. 19½cm. Zug, 1836.

Finsler, H. J. Seewen im Kanton Schwyz in Hinsicht auf dessen Lage und Umgebungen und Mineral-Wasser. 12p. 20cm. Schwyz, 1833.

—— Seixoso.

Ferreira de Castro. Para a história do Seixoso e das suas águas medicinais. J. méd., Pôrto, 1948, **11**: 33–5.

—— Sella.

Gilli, A. Esposizione delle ricerche chimico-analitiche istituite sopra l'acqua balneare magnesiaco-calcare di Sella in Valsugana. 31p. 21cm. Trento, 1865.

—— Semi onsen.

Arii, K., Nagasawa, S., & Seto, K. Tōhoku-tihō no onsen no tikyū-kagaku-teki kenkyū; Semi-onsen-gun ni tuite [Geochemical studies on mineral springs (hot) in Tōhoku (Northeast Japan) districts; on the group of mineral springs in the Semi district] Nippon kagaku zassi, 1949, **70**: 43.

—— Sergievskie mineralnye vody.

Malkovsky, G. M. [Investigations on the hemodynamics following a single bath in the Sergiev mineral waters] Vopr. kurort., 1939, No. 1, 23–7.

—— Serneus.

Planta, A. v. Die Heilquelle zu Serneus im Kanton Graubünden. 16p. 22½cm. Chur, 1853. Also another ed. 14p. 21cm. Chur, 1869.

—— Sibul.

Lazaro, C. B. El manantial de Sibul, su historia y sus propiedades terapéuticas. Rev. filip. med., 1934, **25**: 572–81, tab.

—— Sicily.

De Luca, A. La valorizzazione del patrimonio idro-minerale siciliano. Cult. med. mod., Pal., 1940, **19**: 95–103.

—— Sidi Harazem.

Secret, E. Sources thermales de Sidi Harazem; observations cliniques et expérimentales. Maroc méd., 1947, **26**: 17–25.

—— Simogamo onsen.

Negoro, K. Sizuoka-ken Simogamo-onsen no keisō-rui [Bacillariophyten aus den heissen Kochsalzquellen von Simogamo, Sizuoka Präfektur] Igaku & seibutugaku, 1942, **1**: 211–5.

—— Sinaia.

Dumitrescu-Mante, Dick, I., & Dulugea [Clinical investigations on diuresis and uricemia, caused by the water of Sinaia, from the spring Sf. Treime in the Valley of the Dog] Rev. şt. med., Bucur., 1936, **25**: 673–96.

—— Sippenau.

Graf, J. B. Sippenauer-Mineralquellen. In his Vers. pragm. Gesch. &c Mineralwäss., Münch., 1805, **1**: 129–34, tab.

—— Sirmione.

Anselmi, E. Una sorgente termo-solforosa nel Lago di Garda a Sirmione. 12p. 22½cm. Brescia [1889]

Cervini, M. Rilievi clinico statistici di un biennio di cure a Sirmione. Riv. idroclim., 1939, **50**: 131–7.—**Migliorati, M.** La crenoterapia di Sirmione negli adolescenti cardiopatici reumatismali. Boll. Soc. med. chir. brescia., 1932, **6**: 94; 1933, **7**: 27.—**Pinali, R.** Uno sguardo alle cure termali di Sirmione. Riv. idroclim., 1935, **46**: 435–43.

—— Siroyama onsen.

Tanaka, S., Koike, K. [et al.] Onsen no seiri-teki narabi-ni tikō-teki sayō ni kan-suru kenkyū; Siroyama onsen [Studies on the physiological and therapeutic action of hot-springs; Siroyama hot-springs] Zyūzenkai zassi, 1930, **35**: 1429–40.

—— Slanic.

Anca, E. Drenajul biliar cu apele de Slănic; metoda lui Meltzer-Lion. Mişc. med. român., 1937, **10**: 447–52.—**Enescu, I., & Brănişteanu, D.** [Action of the mineral waters of Slanic No. 3 and No. 6, on the gastric secretions in man] Rev. şt. med., Bucur., 1934, **23**: 407–15.—**Rodescu, L.** [Effect of the mineral water of Slanic-Moldovei in muco-membranous enterocolitis] Romania med., 1935, **13**: 35. ——— Actiunea apelor din Slănicul-Moldovei asupra hepatogaliei in litiaza biliara. Mişc. med. român., 1937, **10**: 459–61.—**Sumuleanu, C.** Compozitia apelor dela Slanic, Bacău. Ibid., 420–3.

—— Sliač (or, Szliács)

Bulsky, J. [Effect of the Sliač mineral baths on the heart—observations in electrocardiogram] Bratisl. lek. listy, 1936, **16**: No. 10, 276–81.—**Dlhoš, E.** Gynäkologische Indikationen der Sliatscher Bäder. Wien. med. Wschr., 1943, **93**: 149 (Abstr.)—**Kisch, E. H.** Szliács. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1913, **14**: 280.—**Sliač.** Zdrav. roč. česk., 1938, 492–4.

—— Soco.

Puga Borne, F. Noticias sobre las termas minerales de Soco. Actes Soc. sc. Chili (1927–32) 1935, **37**:–**42**: 105–8.

—— Socosani.

Maldonado Corrales, A. Las termas de Socosani en Yura, Arequipa, Perú. 47p. 22cm. Lima, 1918.

Escomel, E. Termas minerales de Socosani. In his Obras cient., Lima, 1929, **1**: 347–64.

—— Solvychegodsk.

Diakov, N. N., Saraeva, A. N., & Baranova, A. S. [Effect of the Solvyćegodsk mineral water on gastric secretion] In: Sammelbd Schr. Staat. med. Inst. Arkhangelsk, 1937, **3**: 163–8.

—— South Africa.

Good health fellowship. Circular. Natal Spa, No. 8, 1945–

Finn, N. Crenotherapy in South Africa. S. Afr. M. J., 1941, **15**: 229–34. ——— Our mineral springs in the planning for the future. Ibid., 1942, **16**: 230.—**Rindl, M.** Our medicinal springs. J. M. Ass. S. Africa, 1929, **3**: 33. ——— The medicinal springs of South Africa. S. Afr. M. J., 1936, **10**: 695; 1940, **14**: 433.—**Thermal** springs in the Cape Province. Ibid., 1940, **14**: 444.

—— Spa.

See also **Balneography.**

Eyre, H. An account of the mineral waters of Spa, commonly called the German Spaw: being a collection of observations from the most eminent authors who have wrote on that subject. 36p. 16° Lond., 1733.

Engerand, F. Spa. In his Amusem. d. villes d'eaux, Par., 1936, 143–55.—**Kisch, E. H.** Spa. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1913, **13:** 592.—**Van Beneden, G.** Recherches sur l'origine et la genèse des eaux minérales de Spa et des Ardennes. J. pharm. Belgique, 1947, **2:** 1; 61.—**Van de Weyer, E., & Wybauw, R.** De l'action des eaux ferrugineuses gazeuses de Spa sur la nutrition. Tr. Laborat. physiol. Inst. Solvay, 1906–07, **8:** 151–81.—**Wéry, J.** Spa, ses eaux et ses cures. Bruxelles méd., 1949, **29:** 719–29.

—— Spain.

Guía oficial de los balnearios y aguas minero-medicinales de España. Madr. (1946–47) 1946–

Tome, R. Tratado de baños, y fuentes de aguas minerales, que en España equivalen a las que propone Mr. Coste, en su Tratado de la gota. 91p. 15cm. Perpiñan, 1828.

Balnearios y manantiales españoles por orden alfabético. In: Guía of. baln. España (1946/47) 1946, 81–155.—**Bataller, J. R.** Les eaux thérmo-minérales de la Catalogne. Rapp. Congr. internat. hydr. clim., 1933, 14. Congr., 279–97.—**Contreiras, A.** Alguns aspectos da crenoterapia na Península Ibérica. J. méd., Pôrto, 1948, **12:** 61.—**David, A.** Le premier voyage d'études médicales aux stations hydro-minérales et climatiques d'Espagne. J. sc. méd. Lille, 1929, **47:** pt 2, 109–20, pl.—**Del Castillo, M.** Gisement et sources hydro-médicinales radioactives espagnoles. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 855.—**Dorronsoro Cruz, A.** La hidroterapia en el siglo VII y la fuente de San Juan de Baños. Sem. méd. españ., 1945, **11:** 529–32.—**Establecimientos** hidro-minerales de España; años 1946–47. In: Guía of. baln. España (1946–47) 1946, 65–80.—**Guerra Estapé, J.** Las aguas minerales en el territorio nacional. Mundo méd., 1932, **14:** 550–3.—**Lorente, J. M.** La climatoterapia y la crenoterapia en España. Medicina, Madr., 1932, **3:** 245–8.—**Peña Yañez, J.** Las aguas minero-medicinales en medicina colonial. Med. col., Madr., 1946, **7:** 331–42.—**Seral y Casas, F.** Riqueza crenológica de la provincia de Zaragozá. Libro de actas Jorn. méd. españ. (1943) 1944, 3. Jorn., **1:** 859–61.—**Vazquez Lefort, M.** Principales balnearios españoles utilizables para la cura hidrológica en la infancia; indicaciones y técnica del tratamiento. Arch. españ. pediat., 1934, **18:** 140–7.—**Velasco Pajares, J.** Hidrología y siglo XIX; apuntes para una historia de la hidrología española. Farmacoter. actual, Madr., 1945, **2:** 295–307.

—— Speranza.

Birindelli, C. [Analysis of the water of Speranza, Montecatini] 1 l. 22½cm. Roma, 1850 [?]

Buonamici, E. Acqua della Speranza. 27p. 21cm. Fir., 1878.

—— Stabio (Switzerl.)

Lurati, C. Le sorgenti solforose di Stabio; le acque ferruginose del S. Bernardino e le altre fonti minerali della Svizzera italiana; col quadro mineralogico della stessa. 277p. 22½cm. Lugano, 1858.

—— Staraja Russa.

Barbas, M. I. [Vlijanie mineralnoj vody Novogo Istoćnika, kurorta Staraja Russa na funkcii vnutrennikh organov] 152p. 22cm. Leningr., 1938.

Dementiev, K. I. [Ferrobacteria of Staraja Russa mineral springs and lakes] Microbiology, Moskva, 1941, **10:** 333–41.—**Sherman, S. I., & Prokhorenko, G. D.** [Effect of the carbonic acid mineral water New Spring in the Starorussky health resort on chronic affections of the digestive tract] Sovet. vrach. J., 1939, **43:** 407–14.—**Staraya** Russa. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 207.

—— Stigliano.

Spaziani, T. La stabilimento Stigliano. 1 l. 22½cm. Roma, 1884.

—— Strathpeffer.

Bearn, F. A. Strathpeffer; its waters and treatments. Prescriber, Edinb., 1928, **22:** 91–6.—**Recent** developments at Strathpeffer Spa. Lancet, Lond., 1911, **2:** 34.

—— Suhl.

Kukowka, A. Die Ottilienquelle zu Suhl. In his Heilquell. Thüring., Rudolstadt, 1948, 92–4

—— Sujo.

Riga, A. Notizie e ricordi delle acque minerali e termali di Sujo. 19p. 22½cm. Nap., 1885.

Giorn. internaz. sc. med., 1885, **7:**

—— Sulphur Well (Tenn.)

Moneymaker, B. C. Geology of Sulphur Well, Henry County, Tennessee. J. Tennessee Acad. Sc., 1945, **20:** 282–90.

—— Sulu-Dervent.

Colov, R. Lećebno vzdejstvie na Sulu-Derventskija mineralen izvor vrkhu njakoi ćernodrobni zaboljavanija. Lek. pregl., Sofia, 1949, **11:** 9–12.

—— Surangudi.

Muthuswami, T. N. A note on the mineral water from Surangudi. Current Sc., Bangalore, 1941, **10:** 172.

—— Sweden.

Svanström, R. Från den svenska mineralvattenfabrikationens begynnelse. In: Apotek. Mineralvatt. aktiebolag, Stockh., 1935, 7–48.

—— Switzerland.

Capeller, G. W., & Kaiser, J. A. Die Mineralquellen zu St Moritz, Schuls, Tarasp, Fideris, St Bernhardin, Peiden, Vals und Belvedere. 92p. 18½cm. Chur, 1826.

Gsell-Fels, J. T. Die Bäder und klimatischen Kurorte der Schweiz. 2. Aufl. 615p. 19cm. Zür., 1886.

Loetscher, H. Schweizer Kur-Almanach 1887. 3. Aufl. 351p. 18½cm. Zür., 1887.

Lüscher, G. Herkunst und Wirkungsweise der Mineral- und Thermalbäder der Schweiz; im Lichte der neuesten naturwissenschaftlichen Erkenntnisse, speziell der Atomphysik. 2. Aufl. 182p. 23½cm. Aarau, 1948.

Lurati, C. Le sorgenti solforose di Stabio; le acque ferruginose del S. Bernardino e le altre fonti minerali della Svizzera italiana; col quadro mineralogico della stessa. 277p. 22½cm. Lugano, 1858.

Malten, H. v. Beschreibung aller berühmten Bäder in der Schweiz; nebst einer allgemeinen Uebersicht der Bäder zweiten Ranges und der unbenutzten Heilquellen. 395p. 18½cm. Aarau, 1830.

Meyer-Ahrens, C. Die Heilquellen und Kurorte der Schweiz. 2v. 936p. 20cm. Zür., 1860.

Nussberger, G. Beitrag zur Kenntnis der Entstehung von Mineralquellen im Bündnerschiefergebiete. 38p. 24cm. Chur, 1901.

Planta-Reichenau, A. v. Chemische Untersuchung der Heilquellen zu Schuls u. Tarasp im Kanton Graubünden. 2. Aufl. 97p. 21cm. Chur, 1860.

Raetische Mineralwässer ausgestellt von der Naturforschende Gesellschaft Graubündens an der Wiener Weltausstellung 1873. 35p. 23cm. Chur, 1873.

Rüsch, G. Anleitung zu dem richtigen Gebrauch der Bade- und Trinkcuren, überhaupt, mit besonderer Betrachtung der schweizerischen Mineralwasser und Badeanstalten. 3v. 18½cm. Ebnat, &c., 1825–32.

—— Historisch-geographische Darstellung des Kantons Appenzell, mit besonderer Berück-

sichtigung seiner Kuranstalten, Alpengegenden und Industrie. 296p. 8cm. S. Gallen, 1844.

Scheuchzer, J. J. Hydrographia Helvetica; Beschreibung der Seen, Flüssen, Brünnen, warmen und kalten Bäderen und anderen Mineral-Wasseren des Schweitzerlands. 487p. 22cm. Zür., 1717.

Forms 2.T. of his Der Natur-Histori des Schweitzerlands, Zür., 1717.

—— Von denen mineralischen Wasseren des Schweitzer-Lands. p.137–232. 22cm. Zür., 1717.

In his Hydrogr. Helvet., Zür., 1717.

Schweizerischer Verein analytischer Chemiker. Die Mineral- und Heilquellen der Schweiz. 201p. 24cm. Bern, 1937.

Swiss watering places. 86p. 21½cm. Lausanne [ca 1920]

Tschudi, I. Schweizerführer; Reisetaschenbuch; mit besonderer Berücksichtigung der Hauptstädte, der Kurorte und des Alpenlandes. 220p. 15cm. S. Gallen, 1855. Also 2. Aufl. 220p. 15cm. S. Gallen, 1858.

Zürich, Switzerland. Gesellschaft zum Schwarzen Garten. Neujahrstück ... an die L[ernbegierige] züricherische Jugend auf das Neujahr. Zür., **1.–17.**, 1786–1804.

—— Neujahrsgeschenk. v.**1–10, 12–23, 25.** 23v. 25cm. Zür., 1808–32.

Zürich, Switzerland. Naturforschende Gesellschaft in Zürich. An die zürcherische Jugend auf das Jahr. Zür., No. 1 & 56, 1799–1854.

No. 1, 1799 bound between No. 13 & 14 of the Neujahrstück; Gesellschaft zum Schwarzen Garten.

Besse. Lecture simplifiée de quelques analyses d'eaux curatives suisses. Rev. méd. Suisse rom., 1939, **59:** 699–701.—**Cadisch, J.** Geologie der Schweizer Mineral- und Heilquellen. Mitt. Lebensmitteluntersuch., 1936, **27:** 216–43, map. Also in Mineral- etc. Quellen Schweiz (Schweiz. Ver. analyt. Chem.) Bern, 1937, 21–48. ——— Geologische Charakteristik der schweizerischen Mineral- und Heilquellen. Ibid., 49–64.—**Diethelm, B.** Die schweizerischen Heilbäder im Dienste von Volkswirtschaft und Volksgesundheit. Schweiz. med. Jahrb., 1942, lxxix-lxxxv.—**Geplante** Neuanalyse der schweizerischen Heilwässer. Mitt. Lebensmitteluntersuch., Bern, 1943, **34:** 31–3.—**James, C., & Aud'houi, V.** Eaux minérales de la Suisse. In their Guide prat. eaux minér., 13. ed., Par., 1889, 182–208.—**Lauterburg-Bonjour, M.** Schweizer Heilbäder und Krankheiten der Verdauungsorgane. Praxis, Bern, 1941, **30:** 901.—**Lüscher, G.** Einige geschichtliche Beschreibungen zu den Mineralquellen der Schweiz. In his Herkunft & Wirk. Mineralbad. Schweiz, Aarau, 1948, 25.—**M., H.** Schweizerbäder im Wandel der Zeit. Schweiz. Rotkreuz Kalend., 1947, 92–6.—**Mineral-** (Die) und Heilquellen der Schweiz. Mitt. Lebensmitteluntersuch., 1935, **26:** 250; 1936, **27:** 49.—**Scheuchzer, J. J.** Beschreibung Heren D. Jacob Zieglers F. Med. D. wie sie A. 1662 in Truck kommen. In his Hydrogr. Helvet., Zür., 1717, 157–9.—**Vollenweider, P.** Die an Mineralquellen reiche Schweiz. Schweiz. Bl. Krankenpfl., 1948, **41:** 125–7.—**Weber, J.** Die schweizerischen Heilquellen in der Gegenwart. Schweiz. med. Wschr., 1939, **69:** 539–42. ——— Ausbau der schweizerischen Kurorte; Forderungen und Wünsche der Balneologen. Ibid., 1943, **73:** 941–3.

—— Szczawnica.

Gorski, X. Szczawnica, zakład zdrojowo-kapielowy, klimatyczno-zentyczny i kefirowy, ze sprawozdaniem za rok 1902. 12p. 18½cm. n. p., 1902.

Heftel, D. [Diseases that should not be treated at the sanatorium of Szcawnica] Polska gaz. lek., 1939, **18:** 531.—**Kmietowicz, F.** [Szczawa mineral springs] Ibid., 1937, **16:** 390–4.

—— Szeged.

Bruck, D. [Therapeutic use of the Anna mineral water of Szeged] Budapesti orv. ujs., 1938, **36:** 645–7.

—— Tabiano.

See also subheading (Salsomaggiore)

Bravi, G. Risultati terapeutici ottenuti con nebulizzazioni di acqua solforosa di Tabiano. Osp. maggiore, Milano, 1947, **35:** 366–72.—**Tridenti, E.,** jr. Modificazioni del metabolismo basale osservate nell'uomo in corso di crenoterapia solfurea con le acque di Tabiano. Riv. idroclim., 1941, **52:** 241; 265.

—— Tabio.

Barriga Villalba, A. M. Las aguas termominerales de Tabio. Rev. Fac. med., Bogotá, 1932–33, **1:** 589–99.

—— Talgi.

Sorokin, G. E. [Treatment of various diseases with the sulphur waters of Talgi (on the Caspian shore) Vrach. delo. 1938, **20:** 543.

—— Tarasp.

See also **Balneography.**

Arquint, A. Der curort Tarasp-Schuls und seine Umgebung; eine topographisch-historische und balneologische Skizze. 221p. 20cm. Chur, 1877.

Kaiser, J. A. Die Mineralquelle zu Tarasp im Unter-Engadin. 55p. 15cm. Chur, 1847.

Killias, E. Der Kurgast von Tarasp-Schuls. 2. Aufl. 156p. 8° Schuls, 1877.

—— [The same] Les eaux de Tarasp-Schuls. 154p. 14½cm. Schuls, 1878.

Pernisch, J. Der Kurort Tarasp-Schuls (Engadin, Schweiz) seine Heilmittel und Indicationen. 5. Aufl. 87p. 21cm. Samaden, 1901.

Gaudenz, D. Die Mineralbäder von Schuls-Tarasp. Praxis, Bern, 1941, **30:** H. 29, Beil., 11–4.—**Scheuchzer, J. J.** Das Saltz-Wasser zu Schulz. In his Hydrogr. Helvet., Zür., 1717, 303–9.—**W., C. E.** Die Tarasper Glaubersalzquelle Luzius und ihre Indikationen. Schweiz. Apoth. Ztg, 1939, **77:** 415.—**Wetter, C. E.** Ueber die Wirkungsweise und Anwendung von Glaubersalzwässern, spez. des Tarasper Luzius. Praxis, Bern, 1941, **30:** H. 29, Beil., 14–6.

—— Tawara-yama onsen.

Nakamura, S. Tawara-yama Onsen [Tawara-yama Hot-spring (in Yamaguti Prefecture)] Zissen irigaku, 1933, **3:** 432–6.

—— Tbilisi (or, Tiflis)

Tbilisi. In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 100.

—— Telese.

Abbamondi, N. Studii medici sulle acque minerali di Telese di proprietà della provincia di Benevento. 53p. 23½cm. Benevento, 1872.

Fazio, E. Grandi stabilimenti di Telese. 4p. 24cm. Nap., 1883.

—— Azione fisiologica e terapeutica delle acque di Telese. 15p. 18cm. Nap., 1889.

—— Tendō onsen.

Arii, K., Nagasawa, S., & Seto, K. Tōhoku-tihō no onsen no tikyū-kagaku-teki kenkyū; Tendō-onsen-gun ni tuite [Geochemical studies on mineral springs in Tōhoku (Northeast Japan) districts; on the group of mineral springs in the Tendō district] Nippon kagaku zassi, 1949, **70:** 44.—**Sugiyama, T., & Nakao, T.** Tendō Onsen Ryōyō Sōdanzyo tyōsa seiseki [Results of investigation of Tendō Hotspring Sanatorium Information Bureau] Tōhoku igaku zassi, 1942, **31:** 355–67.

—— Te Puia.

Macpherson, E. O. Te Puia hot springs. N. Zealand J. Sc., 1944–45, Sect. B, **26:** 244–54.

—— Tesobo.

Castellini, I. Acque arsenico-ferruginose dette di Tesobo. 99p. 18½cm. Trento, 1864.

—— Tiberias.

Buchman, M. [The Tiberias hot springs] Harefuah, Tel Aviv, 1943, **25:** 148. ——— The hot springs of Tiberias. Hebrew M. J., N. Y., 1947, **1:** 163; 1948, **1:** 167. ——— The Tiberias baths at the present time. Ibid., 1948, **1:** 159–62.

—— Ticino.

Verda, A. La acque minerali del Cantone Ticino. Pharm. acta helvet., 1937, **12:** 13–56.

—— Tiflis.

See subheading (Tbilisi)

—— Tiltil.

Puga Borne, F. Las aguas minerales de Tiltil. Actes Soc. sc. Chili (1922–25) 1930, **32:** 204–27.

—— Tirath Laki.

Hiranandani, H. C. Report on Tirath Laki spring water. Sind M. J., 1938, **11:** 13; 65.

—— Tivoli.

Durelli, L. Stabilimento per bagni di acque minerali in Tivoli. 26p. 23cm. Foligno, 1874.

Pozzilli, P. Sulla radioattivita delle acque solfurec di Tivoli-Bagni Albule. Clin. term., Roma, 1948, **1:** 226.—**Spadea, G., Mancioli, M., & Bilancioni, G.** Influenza di alcune acque minerali sul ricambio vitaminico; influenza di un'acqua solfureo-carbonica a tipo bicarbonato-solfato-alcalina (acqua Colonnelle di Tivoli) sul ricambio della vitamina C. Ibid., 68–72.

—— Tlemcen.

Elghouzzi, L. *Les ressources climatologiques et hydrominérales de la région de Tlemcen [Alger] 134p. 24½cm. Oran, 1934.

—— Toggenburg.

Scheuchzer, J. J. In des Abts von S. Gallen Landschafft; im Toggenburg, das Rieth-Bad bei Enet-Büel, Balneum riedanum; extract einer Beschreibung, so A. 1677. herauskommen. In his Hydrogr. Helvet., Zür., 1717, 212–6.

—— Tolhuaca.

Amaral, M. Las termas minerales de Tolhuaca. Actes Soc. sc. Chili (1921) 1923, **31:** 162–82.

—— Torre Annunziata.

Lanza, V. Delle nuove ed antiche terme di Torre Annunciata. 56p. 21cm. Nap., 1835.

Gallo, G. Le acque minerali di Torre Annunziata. C. rend. Congr. internat. hydr. clim. géol. thér. (1905) 1906, 7. Congr., 531–7.—**Garzia, L.** Analisi chimica dell'acqua denominata Vesuviana Nunziante sorgente in Torre Annunziata, Lido. Clin. term., Roma, 1948, **1:** 219.—**Ricci, G.** Analisi dell'acqua termo-minerale della Torre dell'Annunziata. Filiatra sebezio, Nap., 1831, **3:** 22–5.

—— Torrebelvicino.

Cenedella, A. G. Analisi chimica della nuova acqua minerale acidula gazosa di Torrebelvicino di Francesco Luccarda. 57p. 21cm. Lonigo, 1851.

—— Torre de'Roveri.

Cenedella, A. G. Analisi chimica dell'acqua marziale-salina di Torre de'Roveri. 31p. 21cm. Bergamo, 1853.

—— Torretta.

Mazzoni & Buonamici. Acqua minerali naturali della Torretta a Montecatini, Toscana [1831, 1861] 2 l. n. p. after 1861.

Turchetti, O. Della consociazione della cura dei bagni a vapore della Grotta di Monsummano con i bagni e la bibita delle acque alcaline della Torretta. 39p. 23½cm. Fir., 1872.

Giuntoli, A. Osservazioni sull'acqua della Torretta. Arch. sc. med. fis. toscane (1837–38) 1840, **1:** pt 2, 157–9.

—— Tottori (Japan)

Hattori, Y., Huzii, K., & Hasebe, T. Tottori-ken-ka onsentyū no radon ganryō tyōsa hōkoku [Report on an investigation on the radon content of the hotsprings in Tottori Prefecture (in west central Japan)] Nippon eisei kagakkai si, 1938, **10:** 93–7. ——— Misasa Onsen Ryōyōzyo ni okeru radon kyūnyūyokuryō-situ-nai kūki oyobi yokutō narabi-ni Yamada-ku kyōdō-tō no nyūyoku-zi ni okeru yokutō-tyū no radon ganryō ni tuite [The radon content of the air and of the bath water of the inhalation bath room in the sanatorium at Misasa Hotspring, and the radon content of the bath water during bathing in the Yamada-ku Public Bath (in Tottori Prefecture) Ibid., 98–100.—**Hattori, Y., Takeda, Y.** [et al.] Kōsen no syokubaisayō ni kan-suru kenkyū; Tottori-ken-ka onsen no syokubaisayō ni tuite [Studies on the catalytic action of mineral springs; the catalytic action of mineral springs in Tottori Prefecture] Eisei sikenzyo ihō, 1943, 29–38. ——— Kōsen no syokubai sayō ni kan-suru kenkyū; Tottori-ken-ka onsen no syokubai sayō ni tuite [Studies on the catalytic action of mineral hotsprings; the catalytic action of the hotsprings in Tottori Prefecture] Nippon eisei kagakkai si, 1943, **15:** 23–33.

—— Trás-os-Montes.

Contreiras, A. Valor hidrológico de Trás-os-Montes. Clín. hig. & hidr., Lisb., 1942, **8:** 126.—**Costa, E.** Hidrologia médica de Trás-os-Montes. Ibid., 119–25.—**Narciso, A.** O clima e as águas minerais de Trás-os-Montes na indústria do turismo. Ibid., 1946, **12:** 197–200.

—— Trefriw.

Milne, C. Trefriw and its waters. Prescriber, Edinb., 1926, **20:** 108–10.

—— Trescore.

Analisi dell'acqua minerale di Trescore provincia di Bergamo. 1 l. 19cm. [n. p., n. d.]

—— Trianon.

Chatin, R. Sources minérales de Trianon. J. chim. méd., Par., 1869, 5. ser., **5:** 9–12.

—— Truskawiec.

Goldkorn, J. *Les possibilités thérapeutiques de la station hydro-minérale Truskawiec (Pologne) 42p. 8° Par., 1937.

Kuczarow, M. [Investigation of the effect of the mineral waters of Truskawiec on the carbohydrate metabolism in rabbits] Polska gaz. lek., 1939, **18:** 520–3.—**Kurzrok, M.** [Barbara Truskawiecka, new Polish mineral source] Ibid., 1937, **16:** 685.

—— Tsagveri.

See subheading (Cagveri)

—— Tskhaltubo.

See subheading (Ckhaltubo)

—— Turkey.

Scheller, E. Ueber türkische Mineralwässer. p.87–153. 24cm. Ankara, 1940.

Türk hıfzıssıhhà tecr. biyol. mecmuası, 1938–40, **1:** No. 3.

Reman, R. R. Thermal- und Mineralquellen der Türkei und Badewesen bei den Türken. Balneologe, 1938, **5:** 295–307.—**Salomon-Calvi, W., & Kleinsorge, H.** Geologische und chemische Beobachtungen über türkische Mineralquellen und Thermen. Türk. hıfzıssıhhà tecr. biyol. mecmuası, 1940, **1:** No. 3, 41–77.

—— Ueberkingen.

Weitz & Haemmerle. Ueber die Wirkungsweise der Ueberkinger Adelheidquelle. Med. Welt, Berl., 1933, **7:** 1440–2.

—— Uliveto.

Tassinari, P., & Marchetti, C. Le acque gassose-acidule-alcaline con litina dello stabilimento balneario G. Vannucchi alle antiche terme di S. Martino in Uliveto (Pisa) 42p. 23cm. Pisa, 1874.

—— United States.

Mütter, T. D. The salt sulphur springs, Monroe County, Va. 33p. 23cm. Richmond, 1858.

Shatinsky, H. *Les eaux minérales des Etats-Unis d'Amérique. 90p. 24½cm. Strasb., 1936.

Clendening, L., & Hashinger, E. H. Mineral springs, spas and health resorts in the United States. In their Methods of Treat., 8. ed., S. Louis, 1943, 499–506.—**Developing** America's spas. Canad. Doctor, 1945, **11:** No. 8, 35–9.—**Fantus, B.** Our insufficiently appreciated American spas and health resorts. J. Am. M. Ass., 1938, **110:** 40–2.—**Fitch, W. E.** The mineral water resources of the State of Virginia and their therapeutic properties. Virginia M. Month., 1927–28, **54:** 770–5.—**Hayes, A. A., & Silliman, B.** Bromine in American saline waters. Am. J. Sc., 1830, **18:** 142–4.—**Kovács, R.** American spas. Hygeia, Chic., 1939, **17:** 207–9. Also Med. Rec., N. Y., 1941, **153:** 254–6. ——— Spa treatment of rheumatic diseases in the United States; representative spas. Arch. Phys. M., 1945, **26:** 613–7. ——— The problem of the American spas. J. Am. M. Ass., 1945, **127:** 977–81. ——— The present status of American spas. Tr. Am. Ther. Soc., 1946, **46:** 22–5.—**Krusen, F. H., Overholser, W.** [et al.] Spa therapy in the United States. Rep. Baruch Com. Phys. M., 1948–49, 151.—**McClellan, W. S.** American spas. Arch. Phys. M., 1948, **29:**

483–9.—**Miracle** springs of Florida. Canad. Doctor, 1938, **4**: No. 12, 31.—**Roberts, H. H.** Advantages for diagnosis and natural therapeutics at American spas and health resorts. Am. J. Electrother., 1918, **36**: 293–5.—**Shatinsky, H.** Les eaux minérales des Etats-Unis d'Amérique. Strasbourg méd., 1936, **96**: 595; passim.—**Sigerist, H. E.** American spas in historical perspective. Bull. Hist. M., 1942, **11**: 133–47. Also Centaur, Menasha, 1946–47, **52**: 273–82. ——— Rise and fall of the American spa. Ciba Sympos., 1946, **8**: 313–26. ——— Towards a renaissance of the American spa. Ibid., 327–36.—**Springs** and cures. In: Med. & its Develop. in Kentucky (Kentucky M. Hist. Res. Project) Louisville, 1940, 53–66.—**Steidtmann, E.** Travertine depositing waters near Lexington, Virginia. Science, 1935, **82**: 333.—**Warth, A. H.** Sources of special waters for food and nutrition studies; American mineral waters. Food Materials, N. Y., 1943, **3**: No. 7, 4–6.—**Wernekke.** Eine amerikanische Mineralwasserleitung. Techn. Gemeindebl., 1939, **42**: 212.

—— Uolchefitt.

Lombardi, E. L'acqua dell'Uolchefitt (Amara) e le sue possibili proprietà terapeutiche. Boll. Soc. ital. med. igiene trop. (Sez. Eritrea) 1944, **4**: 133–7.

—— Urberuaga de Ubilla.

Jiménez de Pedro, J. Rapport sur les indications et applications thérapeutiques des eaux minérales azotées d'Urberuaga de Ubilla (Biscaye, Espagne) 31p. 20½cm. Bayonne, 1886.

—— Establecimiento termal de Urberuaga de Ubilla Marquina (Vizcaya) aguas nitrogenadas, bicarbonatadas. 127p. 20½cm. Madr., 1887.

—— Uriage.

See also **Balneography.**

Robin, M. P. M. *Les injections intratissulaires d'eau d'Uriage combinées au traitement thermal habituel en thérapeutique gynécologique; documents cliniques et expérimentaux. 52p. 25cm. Bord., 1933.

Sorin, L. *Recherches sur le mode d'action de l'eau minérale d'Uriage en injections intraveineuses. 38p. 8° Par., 1935.

Barbier, G. Uriage; cure de désensibilisation. Gaz. méd. France, 1949, **56**: 409.—**Duhot, E., & Fontan, M.** Retentissements sur la glycémie et l'indice chromique residuel normaux de l'eau d'Uriage intra-veineuse. Presse therm. clim., 1947, **84**: 217.—**James, C., & Aud'houi, V.** Uriage (Isère) source saline et sulfureuse tiède. In their Guide prat. eaux minér., 13. ed., Par., 1889, 159–63.—**Sappey, P.** L'eau d'Uriage est un sérum naturel, sulfureux, aseptique, donc injectable; son emploi en gynécologie. Loire méd., 1931, **45**: 209–13. ——— La cure gynécologique d'Uriage; ses injections intra-tissulaires. Lyon méd., 1936, **157**: 443–7.—**Yver, P.** Les enfants à Uriage; l'eau minérale et le climat. Presse therm. clim., 1949, **86**: 175–7.

—— Uruguay.

Mora Guarnido & Couceiro, P. Aguas del Uruguay. Arch. Inst. nac. hidr. clim. méd., Habana, 1946, **1**: 45.

—— Ussat-les-Bains.

Sermet. Ussat-les-Bains et les états dysthyroïdiens. Gaz. méd. France, 1948, **55**: 372.—**Soyer, R.** Hydrogéologie d'Ussat-les-Bains. Ann. Inst. hydr., Par., 1947, **18**: 65–85.

—— Usson-les-Bains.

Massol, G. Etude de la radioactivité des eaux de la station thermominérale d'Usson (Ariège) C. rend. Ass. fr. avance. sc. (1912) 1913, **41**: 774.

—— Valdagno.

Ragazzini, F. Relazione ed analisi chimica dell'aqua minerale di Valdagno. 16p. 21cm. Padova, 1846.

—— Valdinievole.

Tozzetti, A. T. Documenti la efficacia dell'acqua minerale purgativa della Fortuna ... in Valdinievole. 24p. 22½cm. Fir., 1875.

—— Valdobbiadene.

Alpago-Novello, L. La nuova sorgente minerale di Valdobbiadene. 3p. 22½cm. Tor., 1885.

—— Vale das Furnas.

Acciaiuoli, L., & Narciso, A. Inventário das águas medicinais da Ilha de S. Miguel. Clín. hig. & hidr., Lisb., 1941, **7**: 133–43.—**Castro e Sola, L. de.** Condições de utilização das águas medicinais do Vale das Furnas na Ilha de S. Miguel. Ibid., 128–32.—**Narciso, A., & Oliveira Machado, F.** O vulcanismo açoreano e as águas termais do Vale das Furnas. Ibid., 143–7.

—— Valgrande.

Bizio, G. Analisi chimica dell'acqua minerale di Valgrande eseguita per incarico del municipio di Comelico Superiore. 28p. 21cm. Venezia, 1879.

—— Valle di Blenio.

Ruggeri, G. B. La Valle di Blenio nel Cantone Ticino. 16p. 20½cm. Roma, 1885.

—— Valle di Staro.

Melandri-Contessi, G. Relazione ed analisi sopra le acque minerali della Valle di Staro. 57p. 21cm. Este, 1841.

—— Vallfagona.

Torelló Cendra, M. La cura hidromineral de Vallfagona de Riucorb. Med. ibera, 1936, **30**: pt 2, 284.

—— Vals.

See also **Balneography.**

Bressot, G. *Contribution à l'étude hydrogéologique, biologique et thérapeutique des eaux minérales de Vals-les-Bains. 90p. 25½cm. Lyon, 1939.

Durand, F. A. Estudio sobre las sales naturales arsénico-férricas del manantial la Domínica (la Dominique) 35p. 21cm. Par., 1873[?]

Offant, C. *Contribution à l'étude des eaux de Vals [Marseille] 96p. 24cm. Nice, 1936.

Clermont. Examen clinique des eaux de Vals. J. chim. méd., Par., 1866, 5. ser., **2**: 383; 460.—**Enselme, J.** Notes d'hydrologie relatives à la station de Val-les-Bains. Presse therm. clim., 1940, **81**: 72.

—— Valsinestra.

Killias, E., & Husemann, A. Die arsenhaltigen Eisensäuerlinge von Val Sinestra bei Sins (Unter-Engadin) 23p. 20cm. Chur, 1876.

Nussberger, G. Die chemische Untersuchung der Mineralquellen von Val sinestra bei Sent, Unter-Engadin. 35p. 22½cm. Chur, 1900.

Also in Jahrber. Naturforsch. Ges. Graubündens, 1900, **43**:

—— Vangou.

Khijardzhi, K. M. Opyt lechenija koźnykh bolnykh na kurorte Vangou. Vest. vener., 1949, No. 2, 15–8.

—— Vegri.

See also subheading (Valdagno)

Bizio, G. Monografia dell'acquc minerali delle provincie venete; analisi chimica dell'acqua dei Vegri e di quella di Staro nel Vicentino. 23p. 24cm. Venez., 1868.

Bologna, G. Dietetica delle aque minerali salino ferruginose felsinee di Valdagno. 19p. 21cm. Vicenza, 1847.

—— [The same] Brunnendiaetetik oder Regeln und Vorschriften die salzeisenhaltige Quelle Felsinea zu Valdagno mit Nutzen zu gebrauchen. 16p. 21cm. Venez., 1851.

Coletti, F. Acqua ferruginosa detta Felsinea de' Vegri in Valdagno. 125p. 16cm. Padova, 1863.

Ragazzini, F. Estratto della analisi chimica dell'aqua minerale della fonte felsinea dei Vegri in Valdagno. 14p. 21cm. Vicenza, 1847.

VALDAGNO. Appendice sull'aequa ferruginosa detta Felsinea de' Vegri in Valdagno. 24p. 18½cm. Padova, 1869.

—— Venezia.

BIZIO, G. Monografia delle aeque minerali delle provincie venete; analisi chimiea delle acque minerali fredde di Monte Ortone, di S. Daniele, e della Costa di Arquà. 20p. 23cm. Venezia, 1871.

OMBONI, G. Delle principali opere finora pubblieate sulla geologia del Veneto. p.353–98. 21cm. Milano, 1863.

PAZIENTI, A., ROSSI, L. M. [et al.] Monografia delle aeque minerali del Veneto. 257p. 21em. Venez., 1862.

VENEZIA. Bagni galleggianti. viii, 21em. Venez., 1835.

Devoto, L. La Venezia Tridentina nelle sue fonti minerali, nei suoi climi e nei suoi soggiorni. Idr. clim., 1919, **30**: 66–85.—**Scotoni, I.** L'avvenire climatico ed idrologico della Venezia tridentina. Ibid., 93–7.

—— Vichy.

See also **Balneography.**

BLANCHET, J. Maladies du foie; traitécs avec un immense sueeès à la Station thermale de Viehy. 2. éd. 69p. 18em. Viehy, 1880 [?]

CAILLON, J. *Contribution à l'étude de l'arsenie dans les eaux minérales de Viehy. 234p. 25em. Lyon, 1936.

GRELLETY. Une eure thermale à Viehy pendant le XVII. siècle. p.157–69. 25½cm. Viehy [after 1871]

ROCHE, J. *Contribution à l'étude du pouvoir agotoxique et phylaetique de quelques eaux minérales et notamment des eaux de Vichy. 83p. 25cm. Montpel., 1936.

VICHY. Guide de l'étranger à Vichy. 184p. 16cm. Viehy, 1881.

Arloing, F., & Vauthey, P. Anti-anaphylaxie expérimentale par des solutions salines; action des eaux de Vlchy. C. rend. Congr. fr. méd. (1921) 1922, 15. Congr., 193–8.—**Belluc, S., Chaussin, J.** [et al.] Action de l'eau de Vichy ingérée suivant différentes modalités sur les éliminations urinaires chez l'homme normal. C. rend. Acad. sc., 1939, **208**: 54. ——— Action de l'eau de Vichy sur la composition de l'urine. Nutrition, Par., 1939, **9**: 183–225.—**Beurdeley, A.** Le musée d'art, d'histoire et d'archéologie de Vichy. Aesculape, Par., 1939, **29**: 152–64.—**Binet, E.** La cure thermale de Vichy; ses indications. Nutrition, Par., 1937, **7**: 161–77.—**Bonnet, G. F.** Les coloniaux à Vichy. Gaz. méd. France, 1945, **52**: 304. ——— Action des eaux alcalines, prises au griffon, sur la vésicule isolée de cobaye. Bull. Acad. nat. méd., 1949, **133**: 308–10. ——— Les indications pédiatriques de Vichy. Concours méd., 1949, **71**: 1265–7.—**Castueil, O.** Vichy, source de santé et de vie. In his Santé [&c.] Par., 1938, 55. ——— Homoeopathie et cure de Vichy; les eaux de Vichy dilués. Ibid., 57.—**Chiray, M., Debray, C.** [et al.] Influence de l'eau de Vichy sur l'équilibre acido-basique biliaire [chez l'homme] Ann. inst. hydr., Par., 1938–39, **12**: 231–5. Also Nutrition, Par., 1939, **9**: 245–50. ——— Etude expérimentale de l'influence de l'eau de Vichy sur l'équilibre acidobasique de la bile chez l'animal. Arch. mal. app. digest., Par., 1939–40, **29**: 353–64. Also Nutrition, Par., 1939, **9**: 235–44.—**Chiray, M., Justin-Besançon, L.** [et al.] Action des eaux de Vichy prélevées au griffon sur le muscle de sangsue; leur action empêchante sur la contraction acétylcholinique de ce muscle. Ann. Inst. hydr., Par., 1938–39, **12**: 122–5. ——— Action comparée de l'eau distillée, de l'eau de Vichy et des solutions équimoléculaires dans la pléthore aqueuse expérimentale; contribution à l'étude de l'intoxlcation par l'eau. Nutrition, Par., 1939, **9**: 227–34.—**Coutière.** Rapport sur une question posée par le Ministre de l'instruction publique au sujet des dénominations Sel de Vlchy et Pastilles de Vlchy. Ann. falsif., Par., 1923, **16**: 436–9.—**Creyx, M., & Cazaux, P.** Pouvoir agotoxique de l'eau de Vichy vis-à-vis de la morphine chez le lapin. Ann. Inst. hydr., Par., 1940–41, **13**: 142–57. Also J. méd. Bordeaux, 1942, **119**: 470–2.—**Dubois.** Les pastilles de Vichy; poursuites contre des confiseurs et des droguistes pour exercice illégal de la pharmacie. J. chim. méd., Par., 1865, 5. ser., **1**: 83–7.—**Fabre, R.** Sur le retralt de déclaratlon d'intérêt public avec fixation du périmètre de protection concernant la source dlte Hauterive no. 1, concédée à la Compagnie fermière de l'état à Vlchy. Bull. Acad. méd., Par., 1942, **126**: 429.—**Fardel, R. D.** La cure de Vichy. Praxis, Bern, 1935, **24**: 344–6.—**Glénard, R.** La cure de Vichy. Rev. prat. mal. pays chauds, 1938, **18**: 131–5. ——— Pouvoir catalytlque et floculation des eaux de Vichy dans la première journée. Presse therm. clim., 1938, **79**: 537. ——— Action de la cure de Vichy sur le système cardio-vasculaire et la tension artérielle dans l'hypertension solltaire sans slgne de décompensation cardiaque. Ibid., 1947, **84**: 211. ——— Le pH, le folc et les cures alcalines. Arch. hosp., Par., 1949, **21**: 183–7. ——— & **Glénard, R.** Les eaux de Vichy à leur arrivée à l'alr libre. Nutrition, Par., 1939, **9**: 171–81. ——— & **Tassitch, V.** Pouvoir catalytique et floculation des eaux de Vlchy dans la première heure. Ann. Inst. hydr., Par., 1938–39, **12**: 288–95.—**Guilliny, R.** Indications et contre-indications de la cure de Vichy. Ann. méd. pharm. col., Par., 1939, **37**: 918–56.—**Historique** de Vichy et de la Compagnie fermière. Bull. Soc. hist. pharm., Par., 1929, **17**: No. 62, Suppl., 18.—**James, C., & Aud'houi, V.** Vichy (Allier) sources alcalines chaudes et froides. In their Guide prat. eaux minér., 13. éd., Par., 1889, 112–8.—**Kisch, E. H.** Vichy. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1914, **15**: 346.—**Kohler, D.** Recherches d'hydrologie expérimentale sur l'antagonisme réciproque de l'eau de Vichy et de divers sympatholytiques. Presse therm. clin., 1937, **78**: 233–6.—**Mialhe.** De la destruction des acides organiques dans l'économie animale, envisagée au point de vue du régime à suivre à Vichy. J. chim. méd., Par., 1866, 5. ser., **2**: 124–6.—**Moeller.** Vichy. Mouvement hyg., Brux., 1911, **27**: 317–34.—**Moutet.** L'examen des urlnes et la cure de Vichy. Rev. méd. chir. mal. foie, 1945, **18**: 92.—**Pouchet.** Sur les pastilles préparées avec les sels de Vichy. Bull. Acad. méd., Par., 1937, 3. ser., **118**: 341. ——— Sur un projet de Centre d'embouteillage d'eaux de bassin de Vichy. Ibid., 1938, 3. ser., **119**: 191.—**Puech, A., Baumel, J.** [et al.] Variations du chimisme gastrique sous l'influence de l'ingestion des eaux de Vichy. Arch. Soc. sc. méd. biol. Montpellier, 1937, **18**: 122.—**Rangier & Glaumé.** Action de l'eau de Vichy sur la destruction et l'élimination de la quinine. Ann. Inst. hydr., Par., 1936–37, **11**: 65–9.—**Rathery, F., Lescoeur, L.** [et al.] Etude biologique de la cure alcaline au griffon et loin de la source. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 412–7. ——— & **Farges, P.** Variations de la pression de l'acide carbonique alvéolaire sous l'influence de la cure de Vichy. Ibid., 408–11.—**Rousaud, J. J., & Rousaud, C.** Etude de la courbe glycémique post-prandiale à Vichy. Rev. méd. chir. mal. foie, 1945, **18**: 119–25.—**Vauthey, P., & Vauthey, M.** Thérapeutique hydrominérale chez les enfants; cure de Vichy. Gaz. hôp., 1935, **108**: 693; 781. ——— Syndromes hépato-rénaux d'origine chimique; leur traitement hydro-minéral à Vichy. J. méd. Lyon, 1942, **23**: 139–42. ——— Action de la cure de Vichy sur le métabolisme ascorbique chez les hépatobiliaires. J. méditer. méd., 1946, **14**: 406–13. ——— Action dlrecte de l'eau de Vichy sur le métabolisme de la vitamine C. Rev. gén. méd. chir. Union fr., Alger, 1949, **26**: 975–84.—**Walter, H.** Action des eaux de Vichy sur la motricité intestinale. Nutrition, Par., 1939, **9**: 267–70. ——— Pharmacodynamie des eaux de Vichy; eaux bicarbonatées sodiques. Gaz. méd. France, 1948, **55**: 281–3. ——— Métabolisme des lipides et cure de Vichy. Presse therm. clim., 1949, **86**: 159. ——— & **Nepveux, F.** Contribution à l'étude de l'action des eaux minérales de Vichy sur la cellule hépatique. Ibid., 1948, **85**: 214. ——— Les acides gras non saturés du sérum sanguin pendant la cure de Vichy. Bull. Acad. nat. méd., 1949, **133**: 206.

—— Vidago.

Azeredo Antas, A. F. d'. A cura alcalina em Vidago. Novid. med. pharm., Porto, 1902–03, **8**: 289–98.—**Costa, M. J. da.** O sistema nervoso organo-vegetativo e as águas de Vidago. Lisboa med., 1932, **9**: 613–26.

—— Vignale Monferrato.

VASCHETTI, F. G. Cenni sulla acqua salso-bromo-iodica di Vignale Monferrato. 13p. 22½cm. Torino, 1876.

—— Vilas del Turbón.

Seral y Casas, F. Investigación clínica del poder diurético y anti-litiásico de las aguas de Vilas del Turbón. Clín. laborat., Zaragoza, 1934, **25**: 100–19. ——— Estudio biológico de las aguas minerales de Vilas del Turbón. Crón. méd., Valencia, 1934, **38**: 479–88.

—— Villaverde (de Zalamea)

Lergo Amaya, J. Estudio fármaco-biológico de las aguas de Villaverde de Zalamca, Badajoz. Actas Congr. nac. san.. Madr. (1934) 1935, 1. congr., **4**: 142–9.

—— Villefranche.

Chauchard, P. De quelques caractéristiques physico-chimiques des eaux de la baie de Villefranche. C. rend. Acad. sc., Par., 1934, **198**: 1710–2.

—— Vinadio.

See also **Balneography.**

PAVENTA, F. Le sorgenti termiche minerali di Vinadio in Val di Stura, presso Cuneo. 106p. 18cm. Cuneo, 1873.

PERRONCITO, E., & MARCHISIO, B. Le muffe delle terme di Vinadio. 19p. 24cm. Pavia, 1888.

RABAJOLI, G. Le stufe di Vinadio. 28p. 16cm. Tor., 1881.

Paventa, F. Le sorgenti termiche minerali di Vinadio in Val di Stura presso Cuneo. Gior. farm. chim., Tor., 1873, **22**: 432.

—— Viterbo.

ARMAND. Des eaux minérales thermales de Viterbe et de son climat, avec recherches sur les thermes romains. 143p. 21cm. Viterbe, 1852.

COZZI, A. Idrologia minerale dello stabilimento balneario di Viterbo. 104p. 23cm. Fir., 1855.

—— Vittel.

See also **Balneography.**

ANNALES MÉDICALES DE VITTEL. S. Dizier, No. 8, 1938–

BAZALY, J. E. *De l'influence de l'eau de Vittel (Source Hépar) sur la localisation et l'élimination du bismuth [Pharm.] 103p. 24cm. Par., 1935.

GROSS, R. *Contribution à l'étude de l'eau imperméable à l'alcool; action de la Source Hépar et de la Grande Source de Vittel sur l'eau imperméable à l'alcool. [Strasb.] 88p. 24½cm. Lons-Le-Saunier, 1935.

Boigey, M. Vittel, station thermale française pour les coloniaux et leurs enfants. Rev. gén. méd. chir. Union fr., Alger, 1949, **26**: 901–6.—**Chiray, M., Justin-Besançon, L., & Dubost, M.** Vitamine B_1 et eau sulfatée calcique (Vittel) Bull. Acad. méd., Par., 1944, **128**: 42–4.—**Exposé** de M. le professeur Piery à Luchon. Paris méd., 1939, **114**: 175.—**Monsseaux.** Sur la posologie de la source Hépar de Vittel. C. rend. Congr. internat. hydr. clim. géol. méd. (1933) 1934, 14. Congr., 495–9.—**Paillard, H.** La feuille de diurèse de Vittel. Clinique, Par., 1937, **32**: 194–6. —— & **Fauvert, R.** Quelques modifications biologiques pendant la cure de diurèse de Vittel. Paris méd., 1937, **103**: 343–9.—**Péan, M.** Les indications de la cure de Vittel. Bruxelles méd., 1949, **29**: 1964–9.—**Pouchet.** Sur la minéralisation des sources; Belle, Bonne, Alpha et Bienfaisante situées à Vittel (Vosges) Bull. Acad. méd., Par., 1938, 3. ser., **119**: 192.—**Santenoise, D., Merklen, L., & Vidacovitch, M.** Recherches expérimentales sur les effets diurétiques des eaux de Vittel. Ann. méd. Vittel, 1938, No. 8, 11–8.—**Serane, J.** Une indication fondamentale de la cure de Vittel; les réactions douloureuses de la vésicule biliaire. Gaz. méd. France, 1949, **56**: 328.

—— Vizella.

Brochado, A. As aguas de Vizella; notas de clínica thermal. Portugal méd., 1917, **3**: 653; 705. —— As aguas de Vizella por via sub-cutanea e endo-venosa. Ibid., 1918, **4**: 403–7.

—— Vrnjci.

Borić, D., Berović, R. [et al.] Neka zapažanja o hidromineralnom lečenju želudačnih oboljenja u Vrnjačkoj Banji. Srpski arh. celok. lek., 1948, **46**: 773–85.—**Tassitch, V.** Une station yougo-slave; Vrnjci-les-Bains. Presse therm. clim., 1939, **80**: 21–4.

—— Wäggithal.

WISLICENUS, J., & BERLEPSCH, H. A. v. Der Kur- & Badeort Wäggithal bei Lachen am Zürichsee, Kanton Schwyz; mit einer chemischen Analyse des Wassers und einer Empfehlung des Kurhauses. 15p. 19cm. Lichtenstcig, 1875.

—— Wagura onsen.

Harunari, E. Wagura Onsen no i-kinō ni oyobosu eikyō ni tuite; kenkō-zin ieki ni oyobosu eikyō [The effect of Wagura Hot Springs on the function of the stomach; the effect on the gastric juice of the healthy person] Zyūzenkai zassi, 1944, **49**: 1256–8. —— I-sikkan-zya ieki ni oyobosu eikyō [Effects on the gastric juice of persons suffering from gastric disease] Ibid., 1456. —— I no roentgen-gaku-teki kansatu [Roentgenological observations on the stomach] Ibid., 1612–4. —— I-undō kyokusen byōsya ni yoru kansatu [Observations by means of the curve of gastric movements] Ibid., 1615–9.

—— Waterberg.

Waterberg (The) Warmbaths. S. Afr. M. J., 1940, **14**: 445.

—— Weissenburg.

Bürgi, E. Ueber die Wirkungen der Weissenburgerquelle. Praxis, Bern, 1937, **26**: 601–3.

—— Wiesau.

Graf, J. B. Die reine Stahlquelle bey Wiesau. In his Vers. pragm. Gesch. &c. Mineralwäss., Münch., 1805, **1**: 31–5, 2 tab. —— Stinker bey Wiesau; ein Egerwasser. Ibid., 37–40, 2 tab.—**Knetsch, G.** Zur Geologie der Glaubersalzquelle am Hedwigsbad, Wicsau bei Bolkenhain (Schlesien) Balneologe, 1938, **5**: 49–56.

—— Wiesbaden.

SCHLÜTZ, G. O. *Das Verhalten der Bluteiweissfraktionen unter dem Einfluss der Wiesbadener Thermalbadekur. 19p. 21cm. Freib. i. B., 1939.

Engerand, F. [Wiesbaden] In his Amusem. d. villes d'eaux, Par., 1936, 167.—**Fresenius, R., & Dick, W.** Die Untersuchung von Wiesbadener Heilquellen auf ihren Gehalt an schwerem Wasser. Balneologe, 1937, **4**: 468–75.—**Kisch, E. H.** Wiesbaden. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1914, **15**: 502–4.—**Mohr, H.** Ueber die galleflussanregende Wirkung des Wiesbadener Faulbrunnens beim Menschen. Wien. med. Wschr., 1939, **89**: 286–90.

—— Wiessee.

MAERCKS, W. *Beitrag zur Frage der Wirkung von Wiesseer Mineralwasserbädern. 16p. 8° Münch., 1933.

—— Wildegg.

ROBERT, A. De l'eau de Wildegg (canton d'Argovie) 12p. 23½cm. Strasb., 1858.

Kisch, E. H. Wildegg. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1914, **15**: 504.

—— Winterbach (im Remstal)

See subheading (Engelberg)

—— Winterthur.

Scheuchzer, J. J. Das Lörli-Bad zu Winterthur; Herzen Hans Heinrich Hegner, Phil. & Med. D. Beschreibung, so in Truck heraus kommen A. 1678. In his Hydrogr. Helvet., Zur., 1717, 146–50. —— Das Gold-Bad zu Winterthur; extract der Beschreibung, welche A. 1705, heraus gegeben worden von Heren Anthoni Küntzli, Med. D. Ibid., 184–7.—**W., L.** Ein Mineralwasser-Kricg in Winterthur. Schweiz. Apoth. Ztg, 1939, **77**: 186–90.

—— Yara.

Cruz, A. Estudos farmaco-dinâmico da água mineral Yara; sua ação sobre a musculatura liso, sobre a circulação e sobre a fadiga muscular. Rev. méd. Paraná, 1943, **11**: 194.

—— Yumoto onsen.

Hukusima, H. Nasu Yumoto onsen no keisō [The diatoms of Yumoto hot spring in Nasu] Igaku & seibutugaku, 1944, **6**: 310–2.

—— Yuzawa kōsen.

Hukusima, H. Ibaraki-ken Yuzawa kōsen no sō-rui [The algae of Yuzawa spring in Ibaraki prefecture] Igaku & seibutugaku, 1944, **5**: 736–9.

—— Zaječice.

Lenoch, F. Zaječická hořká voda. Zdravot. rev., Praha, 1949, **24**: 84–7.

—— Zandobbio.

RUSPINI, G. Analisi chimica della nuova sorgente d'acqua minerale salino-solforoso-jodurata di Zandobbio nella provincia di Bergamo. 32p. 21cm. Milano, 1846.

—— Zheleznovodsk.

Dmitrieva, N. M. [Effect of the Zheleznovodsk mineral baths on basal metabolism in children] Vrach. delo, 1937, **19**: 701–8.—**Zheleznovodsk.** In: Health Resorts USSR (Percov, I. A.) Moskva, 1940, 65–8.

—— Zogno.

VOLPI, G. Guida medica popolare per l'uso delle acque crenato-ferruginose di Zogno. 30p. 20cm. Bergamo, 1873.

—— Zuber springs.

See under subheading (Krynica)

MINERS' nystagmus.

See also **Miner**, Eye.

Abbrev.: MN for miners' nystagmus; N for nystagmus.

Great Britain. Privy Council. Medical Research Council. Special report series No. 176: Third report of the MN committee. 36p. 8° Lond., 1932.

O'Sullivan, F. [MN] its symptoms, etiology, and treatment. 100p. 12° Bristol, 1933.

Balabonina, L. [On MN] Klin. med., Moskva, 1927, **5**: 1151–6. Also Rev. otoneur., Par., 1927, **5**: 969–78.—**Bartels, M.** Das Augenzittern der Bergleute. Med. Klin., Berl., 1934, **30**: 1632–5.—**Butler, T. H.** [MN] Brit. M. J., 1910, **1**: 598. ——— [MN] Tr. Ophth. Soc. U. K., 1939, **59**: pt 2, 749–61.—**Caiger, H.** [MN] Ibid., 769–74. ——— [MN] and the general practitioner. Med. Press & Circ., Lond., 1941, **206**: 152–5.—**Campbell, D.** [MN] Ibid., 1949, **222**: 303–6.—**Cooke, W. E.** [MN] Brit. M. J., 1931, **1**: 615–7.—**Coppez, H.** Le N des mineurs; état actuel de la question. Bull. Acad. Belgique, 1943, **8**: 212–26.—**Elancev, B. V.** [N among miners] Tr. Tomsk gosud. med. inst., 1938, **6**: 167–99.—**Evans, J. J.** The disease known as MN. Brit. M. J., 1929, **1**: 341–3. Also Tr. Ophth. Soc. U. K., 1929, **49**: 449–51.—**Fergus, F.** [MN] Glasgow M. J., 1926, **105**: 161–81. Also Tr. R. Med. Chir. Soc. Glasgow, 1926, **20**: 105–24. Also Brit. M. J., 1927, **1**: 1092–4.—**García Miranda, A.** Sobre el N de las minas de carbón. Med. españ., 1940, **4**: 20–5.—**Guglianetti, L.** [N] dei minatori. Valsalva, 1936, **12**: 574–80.—**Llewellyn, T. L.** The economic aspect of MN. J. State M., Lond., 1920, **28**: 236–56. ——— & **Haldane J. S.** [MN] Brit. M. J., 1927, **2**: 37.—**Miner's** nystagmus [Edit.] Ibid., 1912, **1**: 853.—**Montesano, G.** Un caso di N dei minatori; studio condotto in una miniera di carbone. Fol. med., Nap., 1942, **28**: 466–74.—**Nathanson, D. M.** [MN] Vrach. delo, 1927, **10**: 39–45.—**Neill, J. C.** [MN] Am. J. Optometr., 1932, **9**: 63–8.—**Nordin, J. V.** [N] hos gruvarbetare. In his Yrkessjukdomar, Upps., 1947, **2**: 292–5.—**Nuel, J. P.** Encore le N des ouvriers houilleurs. Scalpel, Liége, 1907–08, **60**: 417.—**Ohlemann, M.** MN and formic acid. Ophth. Rev., Lond., 1910, **29**: 340.—**Ohm, J.** Beitrag zur Kenntnis des Augenzitterns der Bergleute; Praktisches. Arch. Ophth., Lpz., 1916, **92**: 1–33. ——— Augenzittern der Bergleute; eine Betrachtung zum 2000. Fall. Med. Welt, 1931, **5**: 79.—**Pechdo & Gayral.** Contribution à l'étude du N des mineurs de houille. Arch. mal. profess., Par., 1948, **9**: 117–24.—**Pooley, G. H.** Two cases of MN. Proc. R. Soc. M., 1913–14, **7**: Sect. Neur., p. xix. ——— A study of some aspects of MN. Lancet, Lond., 1926, **1**: 750–4.—**Reid, A. C.** [MN] Brain, Lond., 1906, **29**: 363–77.—**Rodger, T. R.** [MN] Brit. M. J., 1910, **1**: 929.—**Romiée.** Note sur le N des houilleurs. Scalpel, Liége, 1907–08, **60**: 448.—**Wiedersheim.** Der Bergmanns-N; seine Registrierung, Ursache und Verhütung. Klin. Wschr., 1934, **13**: 1335–7. ——— [N] des mineurs. Arch. mal. profess., Par., 1939, **2**: 121–7.—**Zeiss.** Nuove ricerche nelle miniere sul N dei minatori. Riv. otoneuroft., 1941, **18**: 342.

—— Complications.

O'Sullivan, F. Changes in blood pressure on descent into mines with special reference to MN. Lancet, Lond., 1936, **2**: 247–9.—**Stern, E. S.** The psychiatric aspect of MN. Brit. J. Ophth., 1948, **32**: 209; passim.

—— Diagnosis.

Collie, J. [MN] and malingering. Caledon. M. J., 1916, **10**: 263–8.—**Kolik, M. M.** [Diagnosis and therapy of MN] Vrach. delo, 1931, **14**: 458–62.—**Reid, A. C.** A simple method of demonstrating N in certain miners. Brit. J. Ophth., 1944, **28**: 598.

—— Etiology.

Allen, F. Mine lighting and retinal sensitivity. Nature, Lond., 1929, **123**: 798.—**Bartels, M.** Entstehung von Dämmerungszittern der Augen beim Menschen. Zschr. Augenh., 1934, **83**: 172–8.—**Ferguson, W. J. W.** Mine lighting in its relation to MN. Tr. Ophth. Soc. U. K., 1939, **59**: pt 2, 775–81.—**Klar, J.** Zur Aetiologie des Bergmanns-N. Tr. Internat. Ophth. Congr. (1937) 1938, 15. Congr., **4**: Commun., 93–7.—**Muck, O.** Betrachtungen über die Entstehungsursache des Augenzitterns der Bergleute nebst Vorschlägen für die Weiterforschung auf diesem Gebiet. Klin. Mbl. Augenh., 1942, **108**: 67–80.—**Nuel, J. P.** Du N des mineurs, à propos de l'enquête officielle sur les conditions du travail dans les charbonnages. Bull. Acad. méd. Belgique, 1907, 4. ser., **21**: 489–98.—**Ohm, J.** Familiäres Vorkommen des Augenzitterns der Bergleute. Arch. Ophth., Berl., 1939–40, **141**: 20–31.—**O'Sullivan, F.** Focal sepsis a predisposing factor in MN. Brit. M. J., 1932, **1**: 611. ——— An interpretation of the symptoms of MN, with treatment: some aetiological factors in the disease. Med. Press & Circ., Lond., 1932, **184**: 231–4.—**Roche, W. J.** The etiology of MN. Practitioner, Lond., 1932, **129**: 498–505. Also Tr. Ophth. Soc. U. K., 1932, **52**: 529–38.—**Russell, H. S.** [MN] in a surface worker. Brit. M. J., 1927, **2**: 267.—**Sharpley, F. W.** Vision and illumination in coal mines with reference to MN. Brit. J. Ophth., 1936, **20**: 129–48.

—— Forensic aspect.

Bordona, J. M. S. El N de los mineros; estudio médicosocial. Rev. españ. segur. social, 1948, **2**: 1475–94.—**Callander, L. D.** [MN] from the medico-legal aspect. Tr. Ophth. Soc. U. K., 1939, **59**: pt 2, 763–8.—**Culpin, M.** The occupational neuroses (including MN) Proc. R. Soc. M., Lond., 1933, **26**: Psych., 11–22.—**Dransart & Famechon.** Du N professionnel des mineurs au point de vue médico-légal; erreurs à éviter dans les expertises nécessitées par les accidents du travail chez les mineurs. J. méd. Bruxelles, 1908, **13**: 457–66.—**Ferguson, W. J. W.,** & **Caiger, H.** [MN] and the workmen's compensation act. Brit. M. J., 1935, **2**: Suppl., 13–6.—**Ohm, J.** Augenzittern der Bergleute als Gegenstand der Gesetzgebung. Zschr. Augenh., 1930, **71**: 226–35.—**Pooley, G. H.** Incapacity caused by MN. Lancet, Lond., 1934, **2**: 1017.—**Riseley, S.** Should a man with MN work? Ibid., 1913, **1**: 598–600.—**Thomas, J. W. T.** [MN] and incapacity for work; a clinical study based on an analysis of 512 cases. J. Indust. Hyg., 1930, **12**: 1–23.—**Záhoř, A.** Určení ztráty při odškodňování hornického N jako nemoci z povolání v národním pojištění. Cesk. ofth., 1949, **5**: 240–7.

—— Geography.

Zeiss, E. Das Augenzittern der Bergleute; vergleichende Untertagenuntersuchungen im Ruhrgebiet, in Ober- und Niederschlesien. 120p. 8° Lpz., 1936.

Forms H. 4. Arbeitsmed.

Bartels, M. Das Krankheitsbild des Augenzitterns der Bergleute in England und Deutschland und sein Einfluss auf die Erwerbsfähigkeit. Zschr. Augenh., 1931–32, **76**: 29–61.—**Dransart.** Notice sur le N des mineurs dans le Nord de la France. C. rend. Ass. fr. avance. sc. (1909) 1910, **38**: 918–28. ——— & **Famechon.** Sur le N des mineurs dans le bassin houiller du nord de la France pendant les années 1908 et 1909. Bull. Soc. belge opht., 1910, No. 29, 147–70.—**Robson, F.** [MN] notes from the South Wales coal-field. Brit. M. J., 1927, **1**: 1094.—**Rutten.** Reponse au questionnaire relatif à l'enquête sur le N des mineurs, actuellement ouverte en France par le Service des mines. Cas. lék. česk., 1920, **59**: 11.—**Scaglioni, C.** Il N dei minatori e le miniere della Sardegna. Rass. ital. ottalm., 1946, **15**: 20–35.—**Verhage, J. W. C.** Der N im Niederländischen Kohlenrevier; wirtschaftliche Faktoren; photometrische Bestimmungen unter Tage. Ophthalmologica, Basel, 1940, **100**: 266–76.—**Wiedersheim, O.** Der Bergmanns-N im Saarkohlengebiet. Arch. Ophth., Berl., 1937–38, **138**: 515–63.

—— Manifestations.

Adams, W. S. An inquiry into the condition of the ears in MN. Tr. Ophth. Soc. U. K., 1933, **53**: 577–86.—**Alabaster, E. B.** An inquiry into the condition of the ears in MN. Ibid., 571–7.—**Campbell, D. A.** Clinical report on MN. Brit. J. Ophth., 1948, **32**: 193–8.—**Ohm, J.** [MN] its symptoms, causes, and effect on working capacity. J. Indust. Hyg., 1926, **8**: 499–512. ——— Ueber die Beziehungen zwischen Augenzittern der Bergleute und vestibulärem Drehnystagmus. Zschr. Hals &c. Heilk., 1929, **23**: 153–70.—**O'Sullivan, F.** [MN] its symptoms, etiology, and treatment. Practitioner, Lond., 1932, **128**: 71–95.

—— Ophthalmological findings.

Friedrich, W. *Ueber den Amplitudenunterschied beim Augenzittern der Bergleute [Berlin] 29p. 21cm. Bottrop i. W., 1939.

Campbell, I. Dark adaptation and MN. Brit. M. J., 1941, **2**: 726.—**Coulter, R. J.** The light sense in MN. Ibid., 1928, **2**: 929. Also Eye, Ear, &c. Month., 1928, **7**: 550.—**Haycraft, G. F.** The fields of vision in MN. Brit. J. Ophth., 1930, **14**: 523.—**Ohm, J.** Zur Messung der im Augenzittern der Bergleute enthaltenen Kraft. Arch. Augenh., 1927, **98**: 385–8. ——— Frequenz und Bahn des Augenzitterns der Bergleute in langer Beobachtung. Arch. Ophth., Berl., 1939–40, **141**: 604–20. ——— Adaptationsprüfung mittels des optokinetischen N bei Augenzittern der Bergleute. Ibid., 1942–43, **145**: 32–45. ——— & **Romberg, G. von.** Spiegelnystagmographie des Augenzitterns der Bergleute in drei Ebenen. Ibid., 1944–45, **147**: 148–63.—**Sharpley, F. W.** The dark adaptation of coal miners suffering from N. Brit. J. Ophth., 1948, **32**: 199–204.—**Verhage, J. W. C.** Bergmanns-N und Adaptationsstörungen. Ophthalmologica, Basel, 1940, **99**: 503–42.—**Wiedersheim.** Zur Technik der Beobachtung und Darstellung der Schwingungsbahn beim N der Bergleute. Klin. Mbl. Augenh., 1928, **80**: 380.—**Zeiss, E.** Neue Untertageuntersuchungen über das Augenzittern der Bergleute. Ber. Deut. ophth. Ges., 1940, 53. meet., 80–8. Also Zbl. ges. Ophth., 1940, **45**: 615.

—— **Pathogenesis.**

ROBERT, W. *Zur Geschichte und Kritik der neueren Theorien über den N der Bergleute. 20p. 8° Rostock, 1919.

Bartels, M. Reflexe, supranucleare Bahnen und Zentren des Augenmuskeltonus, insbesondere des Bergarbeiter-N. Arch. Ophth., Berl., 1941–42, **144**: 5–24.—**Eddison, H. W.** The mental factor in MN. J. Ment. Sc., Lond., 1926, **72**: 201–11.—**Ioteyko, I.** La pathogénie du N des mineurs; théorie nerveuse. Rev. psychol., Brux., 1909, **2**: 222–8.—**McCoull, G.** [MN] and neuronic inefficiency. Newcastle M. J., 1932, **12**: 208–16. Also Stoke Park Monogr. Ment. Defic., 1933, **1**: 223–30.—**Miners'** nystagmus by a clinical psychologist. Lancet, Lond., 1940, **1**: 468–70.—**Pechdo, M., & Gayral, L. L.** Pathogénie et physio-pathologie du N des mineurs de houille. Arch. opht., Par., 1947, **7**: 521–8.—**Roche, W. J.** An investigation of MN. Brit. J. Ophth., 1931, **15**: 211–44.—**Rubiera, L., & Miranda, A. G.** Ueber die Pathogenie des Kohlenbergwerk-N. Klin. Mbl. Augenh., 1937, **99**: 491–3.—**Rutten.** Un cas de névrose nystagmique généralisée démontrant que le symptôme N pendulaire ondulatoire, involontaire et inimitable des mineurs est un syndrome de la vagotonie, soit une fonction exagérée du système nerveux autonome. Bull. Soc. belge opht., 1922, No. 45, 26–33.—**Wiedersheim, O.** Ueber die Schwingungsbahn des Bergmanns-N. Klin. Mbl. Augenh., 1932, **88**: 149–61.

——— Die Annahme eines supranukleären Hartungs- und Schaltapparates als Erklärung der Erscheinungsformen des Bergmanns-N und anderer N-formen. Arch. Ophth., Berl., 1943–44, **146**: 16–35.

MINERVA; Jahrbuch der gelehrten Welt. Berl., v.**1**, 1891–

—— **Minerva Handbücher.** 1. Abt.: Die Bibliotheken; hrsg. von Hans Praesent. 2 v. 999p., viii, 312p. 21cm. Berl., W. de Gruyter & Co., 1929–32.

CONTENTS

v.**1**. Deutsches Reich; bearb. von Hans Praesent. 1929.
v.**2**. Oesterreich; bearb. von Robert Teichl. 1932.

—— **Minerva Handbücher.** 2. Abt.: Die Archive, Bd 1: Deutsches Reich, Dänemark, Estland, Finnland, Lettland, Litauen, Luxemburg, Niederlande, Norwegen, Oesterreich, Schweden, Schweiz; hrsg. von Paul Wentzcke und Gerhard Lüdtke. 658p. 21cm. Berl., W. de Gruyter & Co., 1932.

MINERVA; rivista delle riviste quindicinale. Tor., v.**50**, 1940; v.**53**, 1943.

MINERVA-Bücherei; eine Sammlung populärer Schriften über die Entwicklung der im Menschen verborgenen Kräfte, okkulte Wissenschaft und Lebensreform.

For Bd 3 see **Fändrich, H.** Die sexuelle Frage [&c.] 3. Aufl. 48p. 18cm. Lpz., 1910 [?]

MINERVA chirurgica; rivista mensile di chirurgia pratica. Tor., v.**1**, 1946–

MINERVA ginecologica; revista mensile di ginecologia ed ostetricia. Tor., v.**1**, 1949–

Continuation of **Folia gynaecologica**, v.**1–44**, No. 4, 1908–49; and **La Ginecologica**, v.**1–15**, No. 9, 1935–49.

MINERVA-INDEX; geographisches Register zu Minerva, Jahrbuch der gelehrten Welt, 28. Jahrg. vii, 595p. 21cm. Berl., W. De Gruyter & Co., 1927.

MINERVA medica. Tor., v.**1–9**, 1921–29; v.**21**, 1930–

MINERVA pediatrica; rivista mensile di pediatria, puericultura e nipiologia. Tor., v.**1**, 1949–

MINERVA urologica; organo ufficiale della Società degli urologi del litorale mediterraneo latino. Tor., v.**1**, 1949–

MINERVINI, Raffaele, 1869–1946.

P., A. Un chirurgo scultore, Raffaele Minervini. Nicia, Milano, 1931, **1**: No. 4, 27, illust.

For obituary see Gior. ital. chir., 1946, **2**: 522. Also Progr. med., Nap., 1946, **2**: 663.

MINES, George Ralph, 1886–1914.

For biography see Tr. Soc. biol., Barcel., 1920–21, **8**: 15.

MINE Safety Appliances Co. [Pittsburgh, Pa.] Pertinent questions and answers concerning: Instructions for use of oxygen breathing apparatus; McCaa 2-hour self-contained oxygen breathing apparatus; Gibbs self-contained oxygen breathing apparatus. 8. ed. 34p. illust. 23cm. Pittsb., 1942.

—— The ergasiodermatoses; dermatoses due to occupational causes. 11p. 23cm. Pittsb., 1944.

MINET, Henri Emile Elie Marie, 1872–1948.

—— Les vésiculites non tuberculeuses. p.1–241. pl. 22cm. Par., 1929.

In: P. verb. Congr. fr. urol., 1929, 29. Congr.
For obituary see Bull. Soc. méd. Paris, 1949, **47**.

—— **& DEBAINS, Edmonds.** Etat actuel de la vaccinothérapie et de la sérothérapie dans la gonococcie. p.1–218. tab. 23cm. Par., 1923.

In: P. verb. Congr. fr. urol., 1923, 23. Congr.

MINET, Jean, 1883–

See **Lemoine, G., & Minet, J.** Manuel de thérapeutique clinique. 848p. 8° Par., 1926.

For biography see Internat. Who's Who World M., N. Y., 1947, 481.

For portrait see Clín. laborat., Zaragoza, 1936, **28**: opp. p. 338.

—— **BERTIN, Emile** [et al.] Manuel de clinique médicale. ii, 1276p. illust. diagr. 8° Par., G. Doin & cie, 1935.

MINET, Jean, 1904– *Etude de la 12ème côte et de ses variations; application à l'incision lombaire. 78p. 8° Par., A. Legrand, 1934.

MINET, Pierre Louis Gaston Gérard, 1908– *Les fistules congénitales de la région latérale du cou; étude anatómo-clinique et traitement. 115p. pl. 24½cm. Lille, Impr. centr. du Nord, 1936.

MINETT, Edward Pigott, 1872–1935.

For obituary see Brit. M. J., 1935, **2**: 766.

—— **& SEVERN, Adolphe Gladstone Millott.** Practical tropical sanitation; a pocket book for sanitary inspectors in the tropics; school notes by Mrs. Minett. 2. ed. vii, 180p. 8° Lond., Baillière, Tindall & Cox, 1927.

MINETTO, Girolamo, fl.1593. Quaestio de sarzaparillae et ligni sancti viribus. 20p. 8° Sienna, Lucas Bonet, 1593.

MINGANA, Alphonse, 1881–1937. John Rylands Library [Manchester] Catalogue of the Arabic manuscripts. 1180 col. 32½cm. Manchester, 1934.

Job. of Edessa: Encyclopaedia of philosophical and natural sciences as taught in Baghdad about A. D. 817; or, Book of treasures. 470p. 24½cm. Cambr., 1935.

MINGANTI, Antonio. Transplantations d'un fragment du territoire somitique présomptif de la jeune gastrula chez l'axolotl et chez le triton. p.251–355. illust. tab. 25cm. Liége, 1949.

In Arch. biol., Liége, 1949, **60**

MINGARDON, Georges, 1909– *Contribution à l'étude de la diathermie hépatique dans le traitement des cirrhoses du foie [Marseille] 67p. 25cm. Lyon, Bosc fr., 1934.

MINGARDON, Léon, 1911– *Contribution à l'étude des réponses vestibulaires des strabiques. 51p. 25cm. Marseille, Impr. marseillaise, 1937.

MINGASSON, Armand, 1911– *Contribution à l'étude de la technique de l'hystérectomie totale, Wertheim excepté. 36p. 25½cm. Bord., Y. Cadoret, 1934.

MINGAZZINI, Ermanno, 1893– Ipertrofia prostatica e prostatiti; con un' appendice sui tumori e cisti della prostata. 181p. illust. 19cm. Fir., Vallecchi ed., 1941.

—— Trattato di urologia. 2v. 2 p. l., 571p.; xi, 405p. illust. pl. diagr. 24½cm. Roma, Ed. ital., 1946.

For portrait see Ann. Ravasini, 1947, **30**: 1.

MINGAZZINI, Giovanni, 1859–1929.
See **Frank, C.** Giovanni Mingazzini und seine Schule. Arch. Psychiat., Berl., 1930, **92:** 1–7, portr.
For biography see Riv. biol., 1935, **18:** 289–323, portr. (Giannulli, F.) Also Policlinico, 1940, **47:** sez. prat., 15, portr. (Stefani, S.) Also in: Guide Exh. Hist. Neuropath. (U. S. Army Inst. Path.) Wash., 1948, 66, portr.
For obituary see Arch. Neur. Psychiat., Chic., 1930, **23:** 798. Also Deut. Zschr. Nervenh., 1930, **112:** 161–4, portr. (Weygandt, W.) Also Fisiol. & med., Roma, 1930, **1:** 189–94 (Baglioni, S.) Also München. med. Wschr., 1930, **77:** 148, portr. (Nonne, M.)
For portrait see Collection in Library. Also Rass. stud. psichiat., 1943, **32:** 599.

MINGERS, Paul [M. D. 1927, Bruxelles] La physiopathologie des mouvements de l'uretère. p.177–263. 24cm. Brux., 1933.
In: J. belge urol., 1933, **6:**

MINGES, Arthur, 1910– *Ueber kindliche Strumen [Heidelberg] 16p. 8° Ludwigshafen-Mundenheim, Sturm, 1935.

MINGES, Clyde E., 1891–
For portrait see J. Am. Dent. Ass., 1946, **33:** 1308; 1947. **35:** 355; 1948, **37:** 463. Also Bull. N. Carolina Dent. Soc., 1947–48, **31:** No. 4, front. Also J. Wisconsin Dent. Soc., 1947, **23:** 204. Also Desmos, S. Paul, 1948, **54:** 5.

MINGO DE BENITO, José María.
See **Bosch Marín, J., Blanco, Otero M.** [et al.] La puericultura en la sanidad nacional. 56p. 23½cm. Madr., 1949.

MINGOJA, Quintino, 1902–
For biography and portrait see Arch. biol., S. Paulo, 1935, **19:** 21–3, portr.
For biography see Arq. biol., S. Paulo, 1941, **25:** 304. Also Bol. Acad. nac. farm., Rio, 1942, **4:** 36–42. Also Impr. méd., Rio, 1942, **18:** No. 338, 25–7 (Oliveira, A. de)

MINGUET, Gaston, 1884– *Contribution à l'étude des psychoneuroses traumatiques consécutives aux accidents du travail [Lyon] 90p. 8° Villeurbanne, P. Colombier, 1908.

MINGUET, Gérard, 1921– *Les fistules sous-orbitaires d'origine dentaire chez le chien et le chat [Alfort; Vet.] 70p. illust. 24cm. Par., R. Foulon, 1943.

MINGUET-VOREAUX, Josette [D. V. M., 1943, Alfort] Contribution à l'étude de l'ovariectomie de la chatte; procédé par le flanc gauche. 54p. illust. 24cm. Par., R. Foulon, 1943.

MINGUEZ VAL, Eduardo, 1871–1915.
For obituary see Rev. san. mil., Madr., 1915, 3. ser., **5:** 385.

MINIATURE.

See also **Illustration; Manuscript.**

Brown, W. N. A descriptive and illustrated catalogue of miniature paintings of the Jaina Kalpasūtra. 66p. 36cm. Wash., 1934.

Tableau microscopiques. Aesculape, Par., 1940, **30:** No. 4, 20–30.

MINICH, Angelo, 1817–93. Storia di un risegamento totale dell'osso mascellare superiore e palatino destri per malattia dell'antro d'Igmoro. 39p. 21cm. Venez., F. Andreola, 1846.
Also Gior. per serv. progr. pat. ter., 1846, 2. ser., **10:** 21–55.

—— Sui pericoli dell'inspirazione, dell'etere solforico. 24p. 21cm. Venez., F. Andreola, 1847.
Also Gior. per serv. progr. pat. ter., 1847, 2. ser., **11:** 550–71.

—— Esercizii pratici di clinica chirurgica nel semestre d'estate del 1865 nell'ospedale civile generale di Venezia. 34p. pl. 21½cm. Venez., Tip. Antonelli, 1865.
Also Gior. veneto sc. med., 1865, 3. ser., **3:** 664–97.

—— Sulla cura delle malattie articolari. 87p. 21½cm. Venez., G. Antonelli, 1867.

—— Riepilogo degli esercizii pratici di chirurgia, diretti nel semestre d'estate 1868. 69p. pl. 21½cm. Venez., G. Antonelli, 1869.

—— Commemorazione del professore Michelangelo Asson letta all'apertura della scuola pratica di medicina e chirurgia. 52p. 22cm. Venez., G. Longo, 1878.
Also Gior. veneto sc. med., 1878, 3. scr., **29:** 609–56.

—— Cura antisettica di Lister. 8p. 22cm. Venez., Tip. Antonelli, 1880.

—— Sulla risipola. 7p. 22cm. Venez., Tip. Antonelli, 1880.
Also Gior. veneto sc. med., 1879, 4. ser., **1:** 289–95.

MINICH, Károly, 1869–1938.
For obituary see Gyógyázat, 1938, **78:** 441 (Szecsödy, I.) Also Orv. hetil., 1938, **82:** 722.

MINICONE, Hector A. *Lesiones de los vasos sanguíneos; clasificación y tratamiento. 46p. illust. 27cm. B. Air., A. López, 1938.

MINICONI, Dominique, 1914– *Contribution à l'étude des soins post-opératoires dans la prostatectomie sus-pubienne. 37p. 24½cm. Marseille, Impr. Saint-Victor, 1939.

MINICONI, Jérome Louis Georges, 1911– *Amiel; étude médico-psychologique. 84p. 25cm. Bord., Impr. Libr. Delmas, 1936.

MINIER, Helen H., 1896–
For biography see in: Physicians Mayo Clin., Phila., 1927, 371, portr.

MINIER, Yves Pierre Marie, 1916– *Rôle du pneumothorax dans l'exploration et la thérapeutique endoscopiques des lobes supérieurs. 106p. illust. 24cm. Par., R. Foulon, 1945.

MINIGLIN.

See also **Pancreas,** Extract.
Sasao, T. Miniglin sayō no kenkyū [Studies on the action of miniglin] Fol. pharm. jap., 1940, **29:** No. 1, Suppl., 45; passim. Also Jap. J. M. Sc., Pharm., 1940, **13:** Proc., 57. Also Proc. Jap. Pharm. Soc., 1941, **15:** 164; passim.

MINIOLUETIC acid.

See also **Penicillium; Penicillin.**
Birkinshaw, J. H., & Raistrick, H. Studies in the biochemistry of micro-organisms; the metabolic products of Penicillium minio-luteum Dierckx; miniolueic acid. Biochem. J., Lond., 1934, **28:** 828–36.

MINIOPTERUS.

Costa, A. C. da. La fixation de l'oeuf de Miniopterus schreibersii. C. rend. Ass. anat., 1922, **17:** 73–7.

MINISH, Lawrence T., 1877–1948.
For biography see Kentucky M. J., 1947, **45:** 300, portr.
For obituary see Kentucky M. J., 1949, **47:** 74.

MINISTERIAL-BLATT für Medizinalangelegenheiten; hrsg. im Ministerium des Innern [Germany] 13v. in 11. tab. 26½cm. Berl., 1901–14.
Publication ceased with v.**20,** 1920.
Volume 1–10 pub. by Ministerium der geistlichen Unterrichts- und Medizinal-Angelegenheiten.

MINIUM, Edward Wheadon, 1917–
See **Brown, C. W., Ghiselli, E. E.** [et al.] Magnitude of forces which may be applied by the prone pilot to aircraft control devices; three-dimensional hand controls. 68 l. 26½cm. Dayton, 1949.

MINJER, Albertus de. *Onderzoekingen over torulosis en over de pathogeniteit van gist. 5 p. l., 97p. pl. 24½cm. Utrecht, Kemink & zoon, 1941.

MINK, Petrus Johan. Physiologie der obern Luftwege. vi, 150p. 8° Lpz., F. C. W. Vogel, 1920.

MINK.

Bernard, R., Smith, S. E., & Maynard, L. A. The digestion of cereals by minks and foxes with special reference to starch and crude fiber. Cornell Vet., 1942, **32:** 29–36.—**Kubin, R., & Mason, M. M.** Normal blood and urine values for mink. Ibid., 1948, **38:** 79–85.—**Nelson, J. A.** Dietary problems of ranch raised mink. Canad. J. Comp. M., 1939, **3:** 205–10.—**Panisset, M. G.** La maladie (distemper) du vison; essais de chimioprévention. Rec. méd. vét., 1930, **106:** 475.—**Yeager, L. E.** Storing of muskrats and other foods by minks. J. Mammal., 1943, **24:** 100.

—— **Disease.**

Chaddock, T. T. Tail chewers in mink. Vet. Med., Chic., 1947, **42:** 283. ——— Loss of mink due to poor vaccination. Ibid., 433. ——— Filth borne infections of mink. Ibid., 1948, **43:** 156.—**Gorham, J. R.** Hydrocephalus in mink. Cornell Vet., 1948, **38:** 86–8.—**Hartsough, G. R., & Gorham, J. R.** Steatitis (yellow fat) in mink. Vet. Med., Chic., 1949, **44:** 345.—**Hummon, O. J., & Bushnell, F. R.** Tissue vaccine in the control of mink distemper. J. Am. Vet. M. Ass., 1943, **102:** 102–4.—**Kennedy, A. H.** Nutritional anemia in mink. Canad. J. Comp. M., 1947, **11:** 272–5. ——— The veterinarian's approach to disease problems in the mink. Cornell Vet., 1949, **39:** 64–8.—**Morris, J. A., & Coburn, D. R.** Immunizing capacity of a lot of commercial mink distemper vaccine. J. Am. Vet. M. Ass., 1949, **115:** 259.—**O'Donoghue, J. G.** Report of flesh flies in mink in Alberta. Canad. J. Comp. M., 1949, **13:** 3–6.—**Schofield, F. W.** Virus enteritis in mink. North Am. Vet., 1949, **30:** 651–4.—**Sealander, J. A.** Notes on some parasites of the mink in southern Michigan. J. Parasit., Lanc., 1943, 29: 361.—**Sompolinsky, D.** En enzooti forårsaget af Clostridium carnis hos mink. Skand. vet. tskr., 1948, **38:** 506–19, 4 pl.—**Swale, F. S.** Thiamin, vitamin B_1, deficiency in mink. Vet. Med., Chic., 1942, **37:** 46.—**Van Rooyen, C. E.** The problem of mink distemper. Canad. J. Comp. M., 1949, **13:** 320.—**Whitehair, C. K., Schaefer, A. E., & Elvehjem, C. A.** Nutritional deficiencies in mink with special reference to hemorrhagic gastroenteritis, yellow fat, and anemia. J. Am. Vet. M. Ass., 1949, **115:** 54–8.

MINKELERS, Jan Pieter, 1748–1826.
For biography see Biogr. nat., Brux., 1897, **14:** 861–8.
For portrait see Tr. Soc. hist. pharm., Par. (1942) 1943, opp. p. 68.

MINKEVICH, I. A. Учебник инфекционных болезней с основами эпидемиологии. 324p. illust. pl. tab. diagr. ch. 23cm. Moskva, Medgiz, 1939.

MINKEVICH, Marjan. *Tetania parathyreopriva und Hyperparathyreosis (Experimentelle Studie aus der chirurgischen Klinik in Basel) 39p. 8° Basel, F. Reinhardt, 1908.

MINKH, Georgy Nikolaevich, 1836–96.
For biography see Bolsh. med. encikl., 1931, **18:** 397, portr.

MINKIEWITSCH, Marjan.
See **Minkevich,** Marjan.

MINKOFF, Lübomir Schekoff, 1904–
*Ueber eineiige Zwillingskinder aus den Würzburger Schulen. 46p. 8° Würz. [n. p.] 1929.

MINKOWSKA, Françoise, 1882–1950, & **MINKOWSKI, Eugene.** La psychopathologie infantile et le test de Rorschach. p.65–133. 23½cm. Par., 1947.
In: Evolut. psychiat., Par., 1947, No. 3.

MINKOWSKI, Alexandre, 1915–
See **Lenègre, J. J., & Minkowski, A.** L'oedème aigu et subaigu du poumon. p.253–309. 24cm. Par., 1946.

MINKOWSKI, Eugène, 1885– La schizophrénie; psychopathologie des schizoïdes et des schizophrènes. 268p. 8° Par., Payot, 1927.
See also **Minkowska, F., & Minkowski, E.** La psychopathologie infantile et le test de Rorschach. p.65–133. 23½cm. Par., 1947.
For biography see Ned. tschr. psychol., 1933–34, **1:** 576.

MINKOWSKI, Mieczyslaw, 1884– Experimentelle Untersuchungen über die Beziehungen der Grosshirnrinde und der Netzhaut zu den primären optischen Zentren, besonders zum Corpus geniculatum externum [Zürich; Habilitationsschrift] 104p. 8° Wiesbaden, J. F. Bergmann, 1913.
—— Neurobiologische Studien am menschlichen Fötus. p.511–618. 8° Berl., Urban & Schwarzenberg, 1938.
In: Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1938, **5:** T. 5, B.
For biography see in: Neue Schweiz. Biogr., Basel, 1938, 358. Also Harefuah, Tel Aviv, 1944, **27:** 37 (Halpern, L.) Also Praxis, Bern, 1944, **33:** 313. Also Schwelz. med. Wschr., 1944, **74:** 894 (Monakow, P. v.) Also Internat. Who's Who World M., N. Y., 1947, 481. Also Who's Important, N. Y., 1947, **1:** 61.
For portrait see Schweiz. Arch. Neur. Psychiat., 1944, **53:** 165. Also Méd. & hyg., Genève, 1946, **4:** No. 78 bis, 8.

MINKOWSKI, Oskar, 1858–1931.
—— Gicht. p.183–241. illust. pl. 26cm. Wien, 1930.
In: Neue deut. Klinik, Wien, 1930, **4:**
For biography see Deut. med. Wschr., 1928, **54:** 69 (Umber, F.) Also Klin. Wschr., 1928, **7:** 142 (Rosenthal, F.) Also Medicina, Kaunas, 1928, **9:** 642–6 (Sliupas, J.) Also Münch. med. Wschr., 1928, **75:** 90–3, portr. (Stepp, W.) Also Bolsh. med. encikl., 1931, **18:** 395. Also in Modern M. World (Kagan, S. R.) Bost., 1945, 18, portr.
For obituary see Arch. exp. Path., Berl., 1931–32, **163:** 621–34 (Krehl, L.) Also Deut. Arch. klin. Med., 1931, **171:** p. i–viii (Stepp, W.) Also Deut. med. Wschr., 1931, **57:** 1125 (Umber, F.)
For portrait see Collection in Library. Also in Danske folkesygd., Odense, 1943, 13. Also Bol. Col. méd. Holguín, 1945, **3:** No. 3, 31.

MINNE, Adrianus van der, 1870– *Bijdrage tot de kennis der herniologie [Utrecht] 2 pts in 1 v. 4 p. l., 116p.; 176p. tab. 25cm. Leiden, C. Kooyker, 1900.
For biography see Ned. tschr. geneesk., 1938, **82:** pt 3, 3391, portr.

MINNE, George, 1866–1941.
For biography see Annuaire Acad. Belgique, 1948, **114:** 89–116, portr. (Montald, C.)

MINNEAPOLIS, Minn. Board of Public Welfare. Division of Public Health. Monthly bulletin. January, 1920. 4p. tab. 23½cm. Minneap., 1920.
See also **Minneapolis, Minn. Public Health Division.**

MINNEAPOLIS, Minn. Lymanhurst Health Center. Report. Minneap., **2.,** 1923/24–
Before 1935 known as Lymanhurst School for Tuberculous Children.
—— The evolution of tuberculosis, as observed during twenty years at Lymanhurst, 1921 to 1941. 253p. illust. portr. tab. diagr. 25cm. Minneap., Journal-Lancet, 1944.

MINNEAPOLIS, Minn. Lymanhurst School for Tuberculosis Children.
See **Minneapolis, Minn. Lymanhurst Health Center.**

MINNEAPOLIS, Minn. Minnesota Academy of Science.
See **Minnesota Academy of Science.**

MINNEAPOLIS, Minn. Nicollet Clinic. Bulletin. Minneap., **v.1,** 1940–

MINNEAPOLIS, Minn. Public Health Division. An outline of public health activities for the practicing physicians of Minneapolis; compiled by Edith E. Johnson. 68p. tab. form. 23cm. Minneap., 1943.
See also **Minneapolis, Minn. Board of Public Welfare.**

MINNEAPOLIS, Minn. Veterans' Hospital.
See **United States. Veterans' Hospital** [Minneapolis]

MINNEAPOLIS, Minn. Women's Cooperative Alliance. Publication No. 81.
See **Gilman, C. C.** Outline of the principles of the program for early sex education in the home for the use of parents. [9]p. 16cm. Minneap., 1929.

MINNEAPOLIS and Saint Paul, Minn. Metropolitan Drainage Commission of Minneapolis and Saint Paul. Report. **2.–5.,** 1928–1933. 3v. illust. pl. map. tab. diagr. 23cm. S. Paul, 1928–33.
For continuation see: Report; Minneapolis-Saint Paul Sanitary District, **1.,** 1933– Second report has title: Annual report. Fifth report is bound with first report of the Sanitary District.

MINNEAPOLIS-SAINT PAUL, Minn. Sanitary District. Report. S. Paul, **1.,** 1933–
Continuation of: Report; Metropolitan Drainage Commission, Minneapolis and St. Paul, **1.–5.,** 1927–33.

MINNEAPOLIS, Minn.

See also **Health organization; Hospital report; Minnesota.**

Minnesota, U. S. A. Department of Health. Report of investigations of typhoid

fever epidemic, Minneapolis, 1935. 96p. 28cm. Minneap., 1936[?]

Gorgas, N. St Barnabas meets its demand. Mod. Hosp., 1942, **59**: 68.

MINNEAPOLIS Clinical Club.

Transactions of the Minneapolis clinical club. J. Lancet, 1940, **60**: 517–9.

MINNEAPOLIS District dental journal; official organ of the Minneapolis District Dental Society. Minneap., v.**6**, 1923–

MINNEAPOLIS General Hospital. Annual report. Minneap., 1931–

See also A survey of the General Hospital of Minneapolis. J. Lancet, 1927, **47**: 319–27.

MINNEAPOLIS Public Library. Minneapolis Public Library stages a medical art show. 2 l. 28cm. Minneap., 1944.

Mimeographed.

MINNESOTA, U. S. A. Department of Health. Report of the investigation of the pollution of the Mississippi River, Minneapolis to LaCrosse, inclusive, by the Minnesota State Board of Health in collaboration with the Minnesota Commissioner of Game and Fish and the Wisconsin State Board of Health. ix, 143p. illust. map. tab. diagr. 23cm. S. Paul, 1928.

Bound with: Annual report; Metropolitan Drainage Commission, Minneapolis and St. Paul, 1928, **2**:

—— List of persons lawfully authorized to practice healing in the State of Minnesota. Ed. 1928 & 1929. 2v. in 1. 23cm. S. Paul, 1928–29.

For earlier issues see **Minnesota, U. S. A. State Board of Medical Examiners.** Official register of physicians, 1883–1890. For later issues see **Minnesota, U. S. A. Department of Health.** Directory of licensed physicians and surgeons ... 1930–

—— Directory of licensed physicians and surgeons, osteopaths, chiropractors, midwives, masseurs and certified public health nurses [with Supplements] S. Paul, 1930–

For earlier issues see **Minnesota, U. S. A. Department of Health.** List of persons lawfully authorized to practice healing in the State of Minnesota, 1928–29.

—— Report of investigations of the typhoid fever epidemic, Minneapolis, 1935. vi, 96p. map. ch. 28cm. Minneap., Allied Printing, 1936[?]

—— Minnesota directory of licensed hospitals and related institutions. Minneap., 1942–

—— Minnesota state health laws and regulations, July 1, 1944. 167p. 23cm. S. Paul, 1944.

See also **Biester, L. L., Griffiths, W., & Pearce, N. O.** Units in personal health and human relations, by the Educational Services of the Minnesota Department of Health. 267p. 24cm. Minneap., 1947.

Minnesota's health. Minneap., v.**1**, 1947–

—— **Division of Dental Health.** Dental health report. Minneap. (1947–48) 1948–

MINNESOTA, U. S. A. Department of Health. Division of Hospital Service. 1948 Minnesota plan for hospitals and public health centers. 24p. map. tab. 28cm. Minneap., 1948.

MINNESOTA, U. S. A. Department of Health. Division of Public Health Nursing. [Annual] Report. S. Paul, 1930–

MINNESOTA, U. S. A. Department of Health. Division of Vital Statistics. Mortality during month. S. Paul, March 1933–

Oct. 1938–Feb. 1947 issued by Division of Birth and Death Records and Vital Statistics.

—— How important are birth and death records? 4p., 2 l. 8° S. Paul, 1936.

—— Minnesota vital statistics. S. Paul, 1936; 1944–

1944– reports issued without title.

—— Mortality during the year. S. Paul, 1943; 1946–

1943– issued by Division of Births and Death Records and Vital Statistics.

—— Manual of instructions for local registrars and their deputies, including the Uniform Vital Statistics Act and regulations of the Minnesota State Board of Health. 17, 32p. 23cm. S. Paul, 1948.

MINNESOTA, U. S. A. Department of Public Institutions.

See **Minnesota, U. S. A. Division of Public Institutions.**

MINNESOTA, U. S. A. Department of Social Security. Division of Public Institutions.

See **Minnesota, U. S. A. Division of Public Institutions.**

MINNESOTA, U. S. A. Department of Social Security. Division of Social Welfare.

See **Minnesota, U. S. A. Division of Social Welfare.**

MINNESOTA, U. S. A. Division of Public Institutions. Biennial report. Stillwater, 1 (1924–26) 1926–

For 1.–7., 1924/26–1936/38, reports see 13.–19., 1924/26–1936/38, Biennial reports of the State Board of Control.

MINNESOTA, U. S. A. Division of Social Welfare. Annual report. Minneap., 1, 1873–

1873–1943 published by Minnesota State Board of Health and Vital Statistics.–1881/82–1920/21, Biennial report.

—— Digest of laws; compilation and reference to laws of Minnesota relating to public assistance, relief, and children. 193p. 23cm. Stillwater, State Prison Print. Dep., 1946.

See also **Minnesota welfare.** S. Paul, v.**1**, 1945–
Social welfare review. S. Paul, v.**5–6**, 1944–45.

MINNESOTA, U. S. A. Division of Social Welfare. Medical Unit. Directory of maternity homes and hospitals receiving maternity patients. S. Paul, 1938–

1938–39 issued by the Children's Bureau.

MINNESOTA, U. S. A. Legislature. Legislative Research Committee. Publication No. 14: County unit health plan. 6p. l., 50p. 25p. map. 28cm. S. Paul, 1948.

MINNESOTA, U. S. A. State Board of Control. Biennial report. 1.–19., 1900/02–1936/38. 7v. tab. ch. 23cm. Stillwater, 1903–38.

For further reports see Biennial report; Division of Public Institutions. 13.–19., 1924/26–1936/38; reports are also entitled 1.–7., 1924/26–1936/38; Biennial report of the Department of Public Institutions.

MINNESOTA, U. S. A. State Board of Health and Vital Statistics. Annual report.

See **Minnesota, U. S. A. Division of Social Welfare.** Annual report.

MINNESOTA, U. S. A. State Board of Medical Examiners. Official register of physicians, 1883–1890; containing the names, residences and college of graduation of all physicians and surgeons duly licensed to practice in the state of Minnesota. 68p. 23cm. S. Paul, 1890.

For later issues see **Minnesota, U. S. A. Department of Health.** List of persons lawfully authorized to practice healing in the State of Minnesota, 1928–29.

See also **Minnesota** State Board of Medical Examiners; S. Paul, Minnesota. Minnesota M., 1940, **23**: 663.

MINNESOTA, U. S. A. State Defense Council. Office of Defense. Education handbook; bulletin No. 1. 30p. 27½cm. S. Paul, 1942.

MINNESOTA, U. S. A. State Planning Board [Publication] No. 123.

See **Minnesota, U. S. A. State Planning Board. Committee on Public Health.** Report; as revised from the 1934 report and corrected. 99p. 28cm. S. Paul, 1936.

—— **Committee on Public Health.** Report; as revised from the 1934 report and corrected by the Committee in collaboration with other technical experts associated with the University of Minnesota. 99p. map. diagr. 28cm. S. Paul, 1936.

Forms No. 123 [Pub.] **Minnesota State Planning Bd.**

MINNESOTA.

See also **Health organization; Minneapolis; St. Paul.**

Hovde, M. R. Minnesota; climatic summary. Yearb. U. S. Dep. Agr., Wash., 1941, 925–34.—**Myers, J. A.** Minncsota; a health resort. In his Invited & Conquered, S. Paul, 1949, 15–33.—**Taylor, H. L.** The climate of Minnesota. St. Paul M. J., 1910, **13:** 27–9. ——— Minnesota as a health resort. Minnesota M., 1927, **10:** 175–8.

—— Demography.

SCHMID, C. F. Mortality trends in the state of Minnesota. 325p. 8° Minneap., 1937.

Jenks, A. E. Ethnic census in Minneapolis. Am. J. Sociol., 1911–12, **17:** 776–82.—**Minnesota;** summary of vital statistics, 1940–41. Vital Statist. Spec. Rep. U. S. Bur. Census, 1941, **14:** 651; 1943, **18:** 316.—**Minnesota,** summary of vital statistics, 1944–46. Ibid., 1946, **24:** 443, 1947, **26:** 285; 1948, **28:** 419.—**Pierson, G. C.** The reporting of vital statistics in Minnesota. S. Paul M. J., 1917, **19:** 52–6.

—— Diseases and health.

Calvin, A. M. Hospital service plan sweeps Minnesota. Hosp. Management, 1942, **53:** No. 3, 18.—**Hayes, J. M.** Medical problems in Minnesota. J. Am. M. Ass., 1938, **111:** 717–20.—**Minnesota,** hospital and other institutional facilities and services, 1939. Vital Statist. Spec. Rep. U. S. Bur. Census, 1941, **13:** 217–26.—**Nelson, L.** Distribution, age, and mobility of physicians in Minnesota by rural and urban areas, 1912–36. In: Social Res. Health (Duncan, O. D.) N. Y., 1946, 127–9.—**O'Brien, W. A.** Health of the people of Minnesota. Minnesota M., 1939, **22:** 687.—**Simons, E. J.** Factors in rural health in Minnesota. Ibid., 1946, **29:** 225.

—— Medical history.

MINNESOTA STATE MEDICAL ASSOCIATION. 100 years of medicine in Minnesota. 28p. 33cm. S. Paul, 1941.

Armstrong, J. M. An introduction to the history of medicine in Minnesota. Minnesota M., 1938, **21:** 41–3. ——— History of medicine in Ramsey county. Ibid., 698; passim.—**Bardon, R.** The background of medical history for northeastern Minnesota and the Lake Superior region. Ibid., 121; passim.—**Beard, R. O.** The medical schools of Minnesota. J. Lancet, 1931, **51:** 73–8.—**Boleyn, E. S.** Reminiscences. Minnesota M., 1943, **26:** 99–103.—**Davis, W.** Medicine in Minnesota 60 years ago. Ibid., 97–9.—**DuBois, J. F.** History of medical licensure in Minnesota. J. Lancet, 1936, **56:** 70–2.—**Eckman, J., & Bigelow, C. E.** History of medicine in Dodge County. Minnesota M., 1943, **26:** 194; passim.—**Giffin, H. Z.** Presidential address. Ibid., 1942, **25:** 559–62.—**Guthrey, N. H.** Medicine and its practitioners in Olmsted County prior to 1900. Ibid., 1949, **32:** 731; passim.—**Hamilton, A. S.** History of medicine in Hennepin County. Ibid., 1939, **22:** 782; passim.—**Hammes, E. M.** The Minnesota centennial; its medical history. Ibid., 1949, **32:** 797–804.—**History** of medicine in Dakota county. Ibid., 1940, **23:** 860; passim.—**History** of medicine in Goodhue County, 1852–60. Ibid., 1945, **28:** 134; passim.—**History** (A) of medicine in Le Sueur County. Ibid., 1949, **32:** 282; passim.—**History** (A) of medicine in Scott and Carver counties. Ibid., 1948, **31:** 386; passim.—**History** of medicine in Wabasha County. Ibid., 1944, **27:** 825–31.—**History** of medicine in Wabasha County; biographical dictionary. Ibid., 920; 1017.—**History** of medicine in Winona County. Ibid., 1940, **23:** 252; passim.—**Hunt, R. C.** Pioneer physicians of Martin County prior to 1900. Ibid., 1942, **25:** 808; 889. ——— Pioneer physicians of Faribault County. Ibid., 1944, **27:** 488; passim.—**Jordan, P. D.** Beginnings of Minnesota public health. Bull. Hist. M., 1947, **21:** 744–52.—**McCormack, J. N.** Medical organization in Minnesota. J. Am. M. Ass., 1905, **45:** 1267.—**Magan, P. T.** A doctor's life on the Minnesota frontier. Health, Mount. View, 1943, **10:** No. 10, 16.—**Mayo, W. J.** Medical pioneers of Minnesota. Minnesota M., 1931, **14:** 224–6.—**Parker, O. W.** Pioneer physicians of the Vermilion and Missabe ranges of Minnesota. Ibid., 1938, **21:** 331; 424.—**Tuohy, E. L.** An outline of Minnesota's medical history. J. Lancet, 1950, **70:** 36–9. ——— **Knights, F. A.** [et al.] Symposium on the co-operation of State forces in Minnesota medicine. J. Minnesota M. Ass., 1910, **30:** 91–104.—**Weiser, G. B.** History of medicine in Brown County. Minnesota M., 1941, **24:** 181; passim.—**Williamson, T. S.** History of medicine in Minnesota; Dakota medicine. Ibid., 1940, **23:** 801–5.—**Wood, C. W.** A historical study of early Minncsota academies. Abstr. Diss. Stanford Univ. (1946–47) 1947, **22:** 231–7.—**Wright, F. R.** History of medical education in Minnesota. J. Lancet, 1937, **57:** 409.

MINNESOTA Academy of Medicine.

Hamilton, A. S. An historical survey of the Minnesota Academy of Medicine. J. Lancet, 1925, **45:** 229–40.

MINNESOTA Academy of Science. Proceedings. Minneap., v.**1** (1933) 1934–

Title varies: 1.–4. Annual meetings: Program ... and papers.—Papers of 1.–3. annual meetings published in program of following meeting.

[MINNESOTA] Agricultural Experiment Station. Technical bulletin. No. 176.

See **Palmer,** L. S., **Kennedy,** C. [et al.] Genetic differences in the biochemistry and physiology influencing food utilization for growth in rats. 54p. 23cm. Minneap., 1946.

MINNESOTA Colony for Epileptics [Cambridge] Biennial report. Minneap. (1925–26) 1926–

From 1925/26–1936/38 issued in Biennial report; State Board of Control; from 1938/40– in Biennial report; Division of Public Institutions. Some reports also issued separately.

MINNESOTA Historical Records Survey. Guide to public vital statistics records in Minnesota. vi, 142 l. 27½cm. S. Paul, 1941.

MINNESOTA Medical Foundation. Bulletin. Minneap., v.**1–6,** 1939–46.

Vol. 3 has title: Trends in medical practice and research. Continued as Bulletin of the University of Minnesota Hospitals and Minnesota Medical Foundation. Minneap., v.**19,** No. 20, 1948–

See also **Eckman,** J. R. The founding of a foundation. Trends M. Pract. & Res., 1941–42, **3:** 4.—**Platou, E. S.** The Minnesota Medical Foundation. Bull. Minnesota M. Found., 1939–40, **1:** 1.

MINNESOTA medicine; official organ of the Minnesota State Medical Association. Minneap., v.**1,** 1918–

MINNESOTA (The) multiphasic personality inventory.

See **Hathaway,** S. R., & **McKinley,** J. C. The Minnesota multiphasic personality inventory. 16p. 27½cm. Minneap., 1942.

MINNESOTA pharmacist; official publication of the Minnesota State Pharmaceutical Association and the Twin City Retail Druggists' Association. S. Paul, v.**1,** 1946–

MINNESOTA School for the Deaf [Faribault] Biennial report of the superintendent. Faribault, 32., 1940/42–

MINNESOTA School for Feeble Minded [Faribault] Biennial report. Minneap., 2. (1880/81) 1883–

2.–11. reports issued with Biennial reports, Minnesota Institute for Defectives.

MINNESOTA'S health; published by Minnesota Department of Health. Minneap., v.**1,** 1947–

MINNESOTA State Dental Association.

See **North-west dentistry.** S. Paul, v.**13,** 1934–

Cobb, F. E. Minnesota State Dental Association. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1:** 1087.

MINNESOTA State Medical Association. Transactions. S. Paul, 1.–36., 1869–1904.

Continued by the association's Journal.

1869–1903, Transactions of the Minnesota State Medical Society.

—— 100 years of medicine in Minnesota. 28p. illust. 33cm. S. Paul, 1941.

For official organ see **Minnesota medicine.** Minneap., v.**1,** 1918–

See also **Botto Micca, A.** Il centenario di un'associazione medica americana, la Minnesota State Medical Association [MSMA] Minerva med., Tor., 1950, **41:** Varia, 24–7.—**Branton, B. J.** The state association. Minnesota M., 1941, **24:** 529–32.—**Constitution and by-laws of the MSMA** adopted in 1903 and as amended to date. J. Lancet, 1913, **33:** 79–84.—**Hamilton, A. S.** History of the Minnesota State Medical Society. Minnesota M., 1942, **25:** 45; passim.—**Jones, W. A.** The State Medical Association and its relationships to the problems of the day. J. Minnesota M. Ass., 1910, n. ser., **30:** 417–20.—**M'Cormack, J. N.** The organization of the MSMA. Tr. Minnesota M. Ass., 1903, **35:** 41–57.—**Minnesota State Medical Association.** County Society roster. Minnesota M., 1941, **24:** 361–72. ——— 88. annual session, May 26–28, 1941, S. Paul. Ibid., 382–5. ——— 90. annual session, May 16–19, 1943, Minneapolis. Ibid., 1943, **26:** 819; passim. ——— Roster 1941. Ibid., 1941, **24:** 355–9.—**Pearce, N. O.** Historical aspects of the MSMA. Ibid., 1933, **16:** 505–10.—**Tuohy, E. L.** An expression from the MSMA. Ibid., 1939, **22:** 846–50.

MINNESOTA State Medical Association Committee on Diabetes. Diabetes; how to make it harmless. 52p. 21½cm. S. Paul, 1940.

MINNESOTA State Pharmaceutical Association.

For official organ see **Minnesota pharmacist.** S. Paul, v.1, 1946–

MINNESOTA State Sanatorium [Ah-gwah-ching]

See under Ah-gwah-ching, Minn. Minnesota State Sanatorium.

[MINNESOTA] University of Minnesota. General information. Minneap., 1917/18–

Forms numbers of its Bulletin.

—— Studies in the biological sciences, No. 3: An investigation of the louse problem. Moore, W., & Hirschfelder, A. D. 1919. 86p. tab. diagr. 25½cm. Minneap., Univ. Minnesota Pr., 1919.

Forms v.8, No. 4 of its Res. Pub.

—— Bibliographical series, No. 3.

See **Jackson, C. M.** Research progress at the University of Minnesota, July 1924–July 1925. 306p. 8° Minneap., 1926.

—— Addresses delivered at dedication exercises of health service building. 37p. pl. 8° Minneap., 1929.

—— Research publications: Studies in the biological sciences.

See **Minnesota, U. S. A. University of Minnesota.** Studies in the biological sciences, No. 3 (1919)

[MINNESOTA] University of Minnesota. Bureau of Biological Survey. Minnesota wildlife disease investigation. Minneap., v.1, 1933–

[MINNESOTA] University of Minnesota. Center for Continuation Study. Continuation courses in cancer for physicians. 2 p. l., x, 29 l. 28cm. Minneap., 1949.

Mimeograph.

[MINNESOTA] University of Minnesota. College of Pharmacy. Announcement. Minneap. (1942/44) 1942–

Forms numbers of its Bulletin.

[MINNESOTA] University of Minnesota. Department of Anatomy. Contributions from the Department of Anatomy. Minneap., v.1 (1909/11) 1912–

[MINNESOTA] University of Minnesota. Department of Pathology. Contributions. Minneap., v.1, 1913/16–

[MINNESOTA] University of Minnesota. Department of Pediatrics. Contributions, 1903–29. 7v. illust. pl. tab. diagr. [size varies, 22½cm.–25cm.] Minneap., 1922–30.

[MINNESOTA] University of Minnesota. Department of Pharmacology. Contributions, 1914–24 [342]p. illust. tab. diagr. 25½cm. Minneap., 1924.

—— Laboratory manual of metrology, materia medica and pharmacology for nurses. iii, 56 l. 28cm. Dubuque, W. C. Brown Co., 1945.

[MINNESOTA] University of Minnesota. Department of Physiology. Contributions. Minneap. (1914/17) 1918–

[MINNESOTA] University of Minnesota. Department of Psychology. Technical report. Project N6ori-212, Task Order III. Minneap., No. 2, 1949–

CONTENTS

No. 2. The vocational interest patterns of three Navy rating groups.

[MINNESOTA] University of Minnesota. Dight Institute. Bulletin. Minneap., No. 1, 1943–

—— Report. Minneap. (1943/44) 1945–

Forms numbers of its Bulletin.

[MINNESOTA] University of Minnesota. Division of Library Instruction. Training for hospital librarianship. 12p. illust. 23cm. Minneap., 1941.

[MINNESOTA] University of Minnesota. Graduate School. Announcement. Minneap., 1936/38–

Forms numbers of its Bulletin.

See also **Rochester, Minn. Mayo Foundation for Medical Education and Research.**

[MINNESOTA] University of Minnesota. Hospitals. Bulletin of the University of Minnesota Hospitals and Minnesota Medical Foundation. Minneap., v.2, 1931–

Many variations in title: Staff meeting bulletin; Bulletin of the staff meeting, &c.

—— Hospitals report. Minneap. (1940/42) 1942–

Forms numbers of Bull. Univ. Minnesota Hosp.

[MINNESOTA] University of Minnesota. Institute of Child Welfare. Monograph series. Minneap., No. 1, 1930–

CONTENTS

No. 1. The young child and its parents. Rev. ed. Foster, J. C., & Anderson, J. E. 1930.

No. 3. The measurement of nervous habits in normal children. Olson, W. C. 1929.

No. 6. The first two years. v.1: Postural and locomotor development. Shirley, M. 1931.

No. 7. The first two years. v.2: Intellectual development. Shirley, M. 1933.

No. 8. The first two years. v.3: Personality manifestations. Shirley, M. 1933.

No. 9. Anger in young children. Goodenough, F. L. 1931.

No. 10. The growth of the surface area of the human body. Boyd, E. 1935.

No. 18. The activity of young children during sleep. Garvey, C. R. 1939.

No. 20. The mental growth of children from two to fourteen years. Goodenough, F. L., & Maurer, K. M. 1942.

No. 22. The relation of parental authority to children's behavior and attitudes. Radke, M. J. 1946.

No. 23. The application of the Rorschach test to young children. Ford, M. E. N. 1946.

—— Child care and training; by Marion L. Faegre, and John E. Anderson. 5. ed. rev. iv, 320p. illust. pl. diagr. 21cm. Minneap., Univ. Minnesota Pr., 1940.

[MINNESOTA] University of Minnesota. Laboratory of Physiological Hygiene. Clinical investigations. 28cm. Minneap., Univ. Minnesota Pr., 1945?

CONTENTS

No. 65. The energy cost of horizontal and grade walking on the motor-driven treadmill. Erickson, L., Simonson, E. [et al.] [1945?]

See also **Keys,** A. B., **Brozek,** J. [et al.] Experimental starvation in man. 48p. 23cm. Minneap., 1945.—**Keys,** A. B., **Taylor,** H. L. [et al.] Rehabilitation following experimental starvation in man. 124p. 25½cm. Minneap., 1946.

[MINNESOTA] University of Minnesota. Medical School. The Medical School announcement. Minneap., No. 4 (1891–92) 1891–

Later numbers form numbers of Bull. Univ. Minnesota.

See also **Medical school digest.** Minneap., v.1–2, 1937/38–1938/39.

Beard, R. O. The Minnesota Medical School; its mission and its opportunity. J. Lancet, 1925, **45:** 205–7.—**Bell, E. T.** The history of the Medical School of the University of Minnesota. Ibid., 1950, **70:** 51–4.—**Changes** in the Faculty at Minnesota. J. Am. M. Ass., 1937, **109:** 1460.—**Diehl, H. S.** The 50th anniversary of the founding of the Medical School. Med. School Digest, Minneap., 1938–39, **2:** 137. —— The University of Minnesota Medical School. Trends M. Pract. & Res., 1941–42, **3:** 17–9.—**Fiftieth** anniversary of Minnesota Medical School [MMS] Med. Rec., N. Y., 1939, **150:** 297.—**Hagen, O. J.** Greetings from the alumni. Minnesota M., 1940, **23:** 236–40.—**History** of the University of MMS. Phi Chi Q., 1942, **39:** 249–53.—**Hubbard, T. B.,** jr. The cancer detection center at the University of Minnesota. Minnesota M., 1949, **32:** 1190–2.—**Jackson, C. M.** Graduate medical education at the University of Minnesota. J. Lancet, 1932, **52:** 81–4.—**Litzenberg, J. C.** The development of the Medical School of the University of Minnesota during the last decade. Ibid., 70–7. Also Messenger, N. Y., 1933, **30:** 73–82.—**Minnesota's** Incus Society. J. Am. M. Ass., 1941, **117:** 2288.—**Minnesota** University Medical School observes 50. anniversary.

Ibid., 1939, **113**: 1338.—**Price, R. R.** The post-graduate medical short courses of the University of Minnesota. J. Lancet, 1932, **52**: 92–4.—**Scammon, R. E.** The Medical School of the University of Minnesota. Ibid., 57–60.—**Tuohy, E., & Hunt, A.** The Medical School of the University of Minnesota. Phi Beta Pi Q., 1929–30, **26**: 42–50.—**University** of Minnesota medical buildings; illust. Nu Sigma Nu Bull., 1942, **31**: 42.—**University** of MMS. J. Am. M. Ass., 1942, **118**: 331.—**Visscher, M. B.** The 50. anniversary of the Medical School of the University of Minnesota. J. Lancet, 1939, **59**: 471–7. ——— Fifty years of medical education at the University of Minnesota. Minnesota M., 1939, **22**: 719–22. ——— The semi-centennial celebration of the Medical School of the University of Minnesota. Science, 1939, **90**: 494.—**Weaver, M. M.** Distribution of graduates of the University of MMS; its implications in planning to meet future medical needs of the state. Bull. Minnesota M. Found., 1943–44, **4**: 69–81.—**Wilson, L. B.** Twelve years' experience of the University of Minnesota in graduate medical education. Bull. Ass. Am. M. Coll., 1928, **3**: 210–9.

[MINNESOTA] University of Minnesota. Minnesota Medical Foundation.
See **Minnesota Medical Foundation.**

[MINNESOTA] University of Minnesota· School of Dentistry. Announcements. Minneap., 1937–39–
Forms numbers of Bull. Univ. Minnesota.
Owre, A. University of Minnesota College of Dentistry. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1**: 521–6.

[MINNESOTA] University of Minnesota. School of Nursing. Announcement. Minneap. (1915/16) 1915–
—— Experience record for nurse students. 1941. ed. 49 l. 15½cm. Minneap., Burgess Pub. Co., 1941. Also 1942 ed. 95p. form. 22cm. 1942.
—— A manual of nursing procedures, prepared by the faculty of the School of Nursing. 5. ed. 444p. illust. form. 22cm. Minneap., Burgess Pub. Co., 1945.
For earlier editions see **Vannier, M. L., & Thompson, B. A.** A manual of nursing procedures. 347p. 8° Minneap., 1941.

[MINNESOTA] University of Minnesota. School of Public Health. Announcement. Minneap. (1944/46) 1945–
Forms numbers of Bull. Univ. Minnesota.

[MINNESOTA] University of Minnesota. Students' Health Service. Biennial report. Minneap. (1928/30) 1930–

MINNESOTA welfare; published monthly by the Minnesota State Division of Social Welfare. S. Paul, **v.1**, 1945–

MINNESSKRIFT utgiven med anledning av Universitets-apoteket svanens i Lund 300-års jubileum, 1627–1927. Ed. by Fredrik Montelin. 228p. illust. pl. facs. 29cm. Lund, Berlingska boktryck., 1927.

MINNHAAR, Teodoro C.
See **Staffieir, D., Minnhaar, T. C., & Picena, J. P.** Anemias esplénicas. 61p. 26½cm. B. Air., 1941.

MINNICH, Johann Alois, 1801–85. Baden in der Schweiz und seine warmen Heilquellen in medizinischer, naturhistorischer und geschichtlicher Hinsicht. xiii, 316p. pl. map. 19½cm. Baden, Höhr und Langbein, 1844.
—— [The same] ... in medizinischer, naturhistorischer und topographischer Hinsicht. 2. Aufl. vi, 258p. tab. 22½cm. Baden, J. Zehnder, 1871.
—— [The same; Baden in der Schweiz. 2. Aufl.] Baden en Suisse et ses sources minérales chaudes au point de vue de la médecine, de l'histoire naturelle et de la topographie. Trad. Engel. viii, 264p. tab. 21½cm. Baden, J. Zehnder, 1872.
For biography see in: Dict. hist. biog. Suisse, Neuchâtel, 1928, **4**: 762.

MINNIG, Arnold, 1882–
For biography see Bull. Am. Acad. Tuberc. Physicians, 1937, **1**: 9, portr.

MINNIGERODE, Lucy, 1871–1935.
Nightingale medal awarded Red Cross nurse; Lucy Minnigerode honored by international committee. Red Cross Courier, 1925, **4**: No. 13, 11, portr.
For obituary see Am. J. Nurs., 1935, **35**: 499. Also Red Cross Courier, 1935, **14**: No. 11, 10 (Noyes, C. D.) Also Trained Nurse, 1935, **94**: 321, portr.

MINNIGERODE, Wilhelm, 1889– Die Topographie des Kehlkopfgerüstes; bearbeitet unter teilweiser Benützung von Aufzeichnungen und Bildern aus dem Nachlass des verstorbenen geheimen Medizinalrat Gustav Killian. 25p. pl. 8° Münch., J. F. Bergmann, 1927.

MINNIK, Naftali, 1875–
For biography see in Danske laegestand, 11. udg., Kbh., 1936, 689.

MINNING, Edmund Heinrich, 1890–
Leitfaden für Schiffsärzte. 2. Aufl. 149p. illust. pl. tab. 24cm. Horw (Switz.) B. Konegen, 1929.
Flaggenkarte zum Leitfaden für Schiffsärzte in pocket at end.

MINNING, Waldemar [M. D., 1937, Hamburg] **& WEIDNER, H.** Giftraupen unter besonderer Berücksichtigung Afrikas. 8p. illust. 23cm. Lpz., J. A. Barth, 1942.
Forms No. 10, Merkbl. med. wicht. Insekt. Inst. Schiffs & Tropenkr.

MINNITT, Robert James [M. D., 1925, Liverpool] Gas and air analgesia. viii, 84p. pl. tab. 19cm. Lond., Baillière, Tindall & Cox, 1938. Also 2. ed. vi, 74p., 1944. Also 4. ed. vii, 86p. 18½cm. 1949.
Also editor of **Ross, J. S., & Fairlie, H. P.** Handbook of anaesthetics. 5. ed. 364p. 19cm. Edinb., 1940.
—— **& GILLIES, John.** Textbook of anaesthetics. 6. ed. viii, 487p. illust. diagr. 22cm. Edinb., E. & S. Livingstone, 1944. Also 7. ed. 568p. 1948.

MINNS, Ernest H. The principles of basic diet. 10 l. 15½cm. Salt Lake City, Utah Printing Co., 1928.

MINOGUE, Adelaide Lancaster Emley, 1909–
The repair and preservation of records. 56p. pl. 23cm. Wash., Gov. Print. Off., 1943.
Forms No. 5, Bull. U. S. Nat. Arch.

MINOIS, Jean Paul, 1916– *Emphysèmes sous-cutanés et médiastinaux d'origine médicale. 54p. 24cm. Par., R. Foulon, 1942.

MINOKA-HILL, Lillie Rose, 1876–
For biography see Med. Woman J., 1949, **56**: No. 9, 39, portr.

MINOPHAGE.

Minouti, O. Seitai-nai no iti hukatu yōso tosite no minophagen ni tuite [Minophagen, an element essential to life in living bodies] Lues, Kyōto, 1939, **18**: 145–7.

MINOR, Albert Emil Otto, 1881– *Zur Casuistik des intermittierenden Exophthalmus. 55p. 8° Lpz., B. Georgi, 1906.

MINOR, Alexandre, 1896– *La légalisation des avortements en U. R. S. S. 69p. 8° Par., Jouve & cie, 1928.

MINOR, Charles L., 1875–1936.
For obituary see Tr. Am. Acad. Ophth. Otolar., 1936, **41**: 661.

MINOR, Charles Launcelot, 1865–1928.
For obituary see South. M. J., 1929, **22**: 193. Also South. M. & S., 1929, **91**: 98; 100 (Cocke, C. H., & Briggs, H. H.) Also Tr. Am. Clim. Clin. Ass., 1929, **45**: p. xl–xlii, portr. (Ringer, P. H.)

MINOR, Edward Geddus, 1888–1942.
For obituary see Detroit M. News, 1942–43, **34**: No. 8, 7, portr. (Witwer, E. R.)

MINOR, George Maynard, 1862–1924.
For biography see Proc. Connecticut M. Soc., 1929, **137**: 232 (Minor, Mrs. G. M.)

MINOR, James Cabell, 1858–1936. The plan o'the house o'man, sir; the parts water and

position play in the prevention and treatment of physical disorders of the body. 4. ed. 48p. 8° East Aurora, N. Y., the Roycrofters, 1921.

MINOR, James Lancelot, 1854–1937.
For obituary see J. Am. M. Ass., 1938, **110:** 828.
For portrait see Collection in Library.

MINOR, John, 1893–
—— History of medical consultant's activities in Third Service Command, 26 January 1944–14 December 1945. MS. 62p. [After 1945]
MS. in Histor. Div. SGO U. S. Army.
For biography see Med. Ann. District of Columbia, 1948, **17:** 398–401, portr.

MINOR, Lancelot Longstreet, 1876–
For portrait see Mississippi Doctor, 1935–36, **13:** No. 8, 41.

MINOR, Lazar Solomonovich, 1855–1942.
—— Das erbliche Zittern. p.974–1005. 8° Berl., J. Springer, 1936.
In: Handb. Neur. (Bumke, O., & Foerster, O.) Berl., 1936, **16:**
For biography see Bolsh. med. encikl., 1931, **18:** 396, portr.
For obituary see Vopr. nevrokhir., 1944, **8:** 64, portr.

MINOR, Thomas Chalmers, 1846–1912.
For biography see in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 797 (Drury, A. G.)

MINOS.

See also **Medicine**—by ages: Antiquity.
Evans, A. The early Nilotic, Libyan and Egyptian relations with Minoan Crete. 30p. 8° Lond., 1925.
Lundberg, U. Den minoiska medicinen. In his Ur antik. & orient. med., Lund, 1948, 63.—**Paço, A. do.** O paleolitico do Minho. Actes Congr. internat. anthrop. (1930) 1931, 15. Congr., 302–10, illust.

MINOSIN.

See also **Phenyl derivatives.**
Nienburg, H., & Tauböck, K. Zur Konstitution des Minosins und über einige substituierte Phenyl-aminoessigsäuren. Zschr. physiol. Chem., 1937, **250:** 80–6.

MINOT, Charles Sedgwick, 1852–1914.
—— A bibliography of vertebrate embryology. p.487–614. 32cm. Bost., Boston Soc. Nat. Hist., 1893.
Forms No. 11, v.4, Mem. Boston Soc. Nat. Hist.
For biography see in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 797–9 (Lewis, F. T.) Also in Hist. Am. Physiol. Soc. (Howell, W. H.) Balt., 1938, 36, portr. Also Am. Biogr. (Preston, W.) N. Y., 1940, 699. Also in Modern M. World (Kagan, S. R.) Bost., 1945, 182, portr.
For obituary see Am. Med., 1914. n. ser., **9:** 765.

MINOT, Francis, 1821–99.
For biography see in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2:** 176 (Burrage, W. L.) Also in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 799.

MINOT, Gaston Paul, 1914– *Le traitement des staphylococcies par le glycocollate de cuivre. 67p. 24½cm. Par., L. Arnette, 1939.

MINOT, George Richards, 1885–1950. Investigation and teaching in the field of the social component of medicine. p.9–19. 8° Chic., 1937.
Also Bull. Am. Ass. M. Social Work., 1937, **10:**
See also **Castle, W. B., & Minot, G. R.** Pathological physiology and clinical description of the anemias. 205p. 24cm. N. Y., 1936. Also in Oxford Med. (Christian, H. A., ed.) v.2: 589–680 (109) 1936–40.
Also joint editor of **Year book of general medicine.** Chic., 1942–50.
For biography see Nord med. tskr., 1934, **8:** 1437–9, portr. Also in Modern M. World (Kagan, S. R.) Bost., 1945, 38, portr. Also Blood, N. Y., 1948, **3:** 6, portr. Also in Profiles (Harvard M. Sch.) Cambr., 1948, **2:** 34–6. Also in Sympos. Hemat., N. Y., 1949, p. xxiii, portr.
For obituary see Brit. M. J., 1950, **1:** 553, portr. Also J. Am. M. Ass., 1950, **142:** 741. Also Lancet, Lond., 1950, **1:** 425, portr.; 473. Also N. England J. M., 1950, **242:** 485.
For portrait see Collection in Library. Also Münch. med. Wschr., 1935, **82:** H. 15. Also Am. Natur., 1946, **80:** 299. Also in Hist. Am. M. Ass. (Fishbein, M.) Phila., 1947, 564.

MINOT (George R.) symposium on hematology; ed. by William Dameshek and F. H. L. Taylor. xxiv, 984p. illust. portr. tab. ch. 26cm. N. Y., Grune & Stratton, 1949.
Also Blood, N. Y., 1948, **3:** 1–128; passim.

MINOT, Georges.
See **Lian, C., Minot, G., & Welti, J. J.** Phonocardiographie, ausculation collective. 256p. 24cm. Par., 1941.

MINOT, Louis, 1912– *Contribution au diagnostic et à la thérapeutique du cardiospasme essentiel idiopathique; essai de mise au point. 63p. 24cm. Par., Jouve & cie, 1939.

MINOT, Maurice, 1907– *L'éventration diaphragmatique; manifestations cardio-pulmonaires. 54p. 8° Par., M. Vigné, 1932.

MINOT, Robert, 1914– *La collapsothérapie à l'Hôpital-sanatorium de Niort [Paris] 56p. 24cm. Niort, S. Denis, 1939.

MINOTA, Minoru, 1903?–36.
For obituary see Gun idan zassi, 1936, No. 276, 701; 753, portr.; 871.

MINOTA, Mituzu. Syōni sekiri oyobi ruizisyō no byōgen oyobi byōri. p.978–1031. tab. 26cm. Tokyo, 1940.
Zika zassi, 1940, **46:**

MINOURA, Seizan, 1719–1803.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 101.

MINOVICI, Mina S., 1858–1933.
For obituary see Arq. med. leg. ident., Rio, 1933, No. 7, 251. Also in Index biogr. (Acad. méd.) Par., 1939, 85.

MINOVICI, Stefan, 1867–1936.
For obituary see Rev. san. mil., Bucur., 1936, **35:** 366. Also J. Chem. Soc., Lond., 1938, 161–3.

MINSCH, Walter Allan, 1899–1943.
For obituary see J. Am. M. Ass., 1943, **122:** 1141.

MINSK, Russia.

Kazanskaja, V. [Minsk water supply and sewer system] Belaruss. med. misl., 1924, **1:** No. 2, 46–50.—**Levin, B. E.** [Sanitary condition of Minsk based on demographic data] Belaruss. med. dumka, 1925–26, **2:** No. 4, 39–50. —— [Sanitary condition of Minsk based on epidemic illnesses and mortality] Ibid., 51–63.—**Urvancov, S.** Očerk sanitarnago sostojanija g. Minska. Vest. obšč. hig., 1908, **44:** pt 2, 523–30. —— Mediko-sanitarnyj očerk goroda Minska. Ibid., 1910, **46:** pt 2, 926–75.

MINSKI, Louis, 1902– Psychiatry for nurses. v, 79p. 12° Lond., J. Bale, Sons & Danielsson, 1935.
—— A practical handbook of psychiatry for students and nurses. 128p. 18½cm. Lond., W. Heinemann, 1946.

MINSKY, Henry, 1895– The pupil. p.741–94. tab. 25cm. Chic., 1946.
In: Ophthalm. in the War Years (Wiener, M.) Chic., 1946, **1:**

MINT.

See **Mentha.**

MINTEL, Gerhard Rudi, 1911– *Mundbodenphlegmone [Greifswald] 31p. 8° Lengerich i. W., Lengerich. Handelsdr., 1936.

MINTER, James Morgan, 1882–1943.
For obituary see J. Am. M. Ass., 1943, **122:** 890.
For portrait see U. S. Nav. M. Bull., 1946, **46:** 1526.

MINTON, Joseph [Mintzman] The one-eyed worker. 8p. 23cm. N. Y., 1945.
Forms No. 446, Pub. Nat. Soc. Prevent. Blind. Also in Sightsav. Rev., 1945, **15:** No. 3.

MINTON, Thomas, 1804–66.
For portrait see in Portr. Svenska läk. apotek. (Sjöberg, N.) Stockh., 1910, 71.

MINTSCHEWA, Zarewa, 1906– *Beiträge zur Behandlung des offenen Bisses. 13p. 8° Münch., Bayer. Druck., 1933.

MINTY, Frederick Walter, 1882–1945.
For obituary see J. Internat. Coll. Surgeons, 1946, **9:** 285, portr.

MINTY, Leonard Le Marchant, 1894–
The legal and ethical aspects of medical quackery. xviii, 262p. 8° Lond., W. Heinemann, 1932.

MINTZ, Emanuel Ross, 1901– *La reproduction de l'obstacle prostatique après prostatectomie. 77p. 8° Par., Jouve & cie, 1928.

MINTZ, Maxwell Angus, 1907– *Ueber die Myokard-Veränderungen bei der progressiven Muskeldystrophie [Zürich] 20p. 8° Basel, Philogr. Verl., 1935.

MINTZ, Vladimir Mikhailovich, 1872–
For bibliography see in Index d. titres Soc. internat. chir., Brux., 1933, **1:** 511.

MINTZLAFF, Elisabeth Hanna Frieda, 1907– *Pfannendachplastiken am Hüftgelenk [Leipzig] 50p. 8° Zeulenroda i. T., A. Obereuter, 1935.

MINTZLAFF, Johannes, 1910– *Ueber die Entstehung der Köhlerschen Krankheit des Fusskahnbeins bei Kindern. 65p. 8° Erlangen, K. Döres, 1937.

MINUART Y PERETS, Juan, 1693–1768.
For biography see An. Acad. nac. med., Madr. (1934) 1935, **54:** 202–4.

MINUCHIN, Nojach. *Ueber die Ruptur der Symphisis ossium pubis unter der Geburt. 24p. 8° Basel, J. Kohlhepp, 1912.

MINUTO, Jorge O. *Sifílides buco-faríngeas; valor semiológico de las reacciones de Kahn y Wassermann en el período secundario. 47p. 27cm. B. Air., Univ. Nac. B. Aires, 1940.

MINUTTO DE ROSYPAL, Rebeca.
For portrait see Actas Conf. salub. púb. (Panama) 1944, 3. Conf., opp. p. 232.

MINUZZI, Pedro G., –1945. Anomalías reno-ureterales. 188p. illust. 23cm. B. Air., El Ateneo, 1940.
For obituary see Rev. Fac. cienc. méd. Univ. Córdoba, 1945, **3:** No. 4, 115, portr. Also Rev. argent. urol., 1946, **15:** 443.

MINVIELLE, Martin, 1889–
Joint editor of **Encyclopédie médico-chirurgicale:** Urgences médico-chirurgicales; urgences de chirurgie et de médecine. [v.p.] 31½cm. Par., 1939–43.

MINZ, Bruno, 1905– *Ueber das Verhalten colloidaler Stoffe im Blut (ein Beitrag zur Methodik der Blutmengenbestimmung) p.623–41. 8° Berl., J. Springer, 1930.
Also Zschr. klin. Med., 1930, **114:**

—— La transmission chimique de l'influx nerveux. 318p. illust. tab. diagr. 26cm. Par., Ed. méd. Flammarion, 1947.

MINZLAFF, Friedrich, 1911– *Tuberöses Myxödem bei Basedow [Berlin] 24p. 8° Charlottenb., Gebr. Hoffmann, 1935.

MINZOKU eisei.
See under English title **Race hygiene.** Tokyo, **v.1,** 1931–

MIODONSKI, Jan Józef, 1902–
For biography see in Czy wiesz kto to jest, Warsz., 1938, 493, portr. Also in Internat. Who's Who World M., N. Y., 1947, 481.

MION, René Jean, 1909– *La dissociation des seuils considérée comme signe quantitatif de la R. D. [réaction différentielle] 77p. pl. 24cm. Par., E. Le François, 1939.

MIONI, Giuseppe, 1880–
For bibliography see in Index. d. titres Soc. internat. chir., Brux., 1933, **1:** 471.

MIONI, Jacques, 1915– *La réaction de sédimentation au cours des états rhumatismaux. 40p. 24cm. Par., M. Lavergne, 1940.

MIOSIS.

See **Iris,** Reflex [pupillary] **Miotic.**

MIOSSEC, Hervé Marie Vincent, 1907– *Contribution à l'étude de l'artériectomie dans le traitement des oblitérations artérielles [Nancy] 73p. 24cm. Lille, Impr. Douriez-Bataille, 1933.

MIOSSEC, Jean Yves, 1910– *Rapports du côlon sigmoïde et des tumeurs pelviennes chez la femme. 93p. 25½cm. Bord., J. Bière, 1933.

MIOT, Jules, 1809–83.
Aurousseau, H. Jules Miot, pharmacien et homme politique. Rev. hist. pharm., Par., 1938, **26:** 341–9, portr.

MIOTIC.

See also **Iris,** Pharmacology; also **Eye tension,** Pharmacology.

Adler, F. H., Schoenberg, M. J., & Fridenberg, P. Miotics. Arch. Ophth., Chic., 1943, **30:** 159.—**Boriani, A.** Modificazioni apportate dai miotici, instillati in un solo occhio, sulla pupilla controlaterale. Arch. fisiol., Fir., 1940–41, **40:** 218–37.—**Dunphy, E. B.** Some observations on miotics. Am. J. Ophth., 1949, **32:** 399–407; Disc., 446–8.—**Gramenicky, M.** Miotičeskie sredstva. In: Bolsh. med. encikl., 1931, **18:** 443–5.—**Herain, V. J.** Neoglaucit (DFP)—nové miotikum. Cas. lék. česk., 1949, **88:** 133.—**Kronfeld, P. C.** Gonioscopic correlates of responsiveness to miotics. Arch. Ophth., Chic., 1944, **32:** 447–55.—**Krylow, T.** Ueber Synergismus der Myotica. Arch. internat. pharm. dyn., Gand, 1935–36, **52:** 404–12.—**Promtov, V. A.** [A new miotic remedy, prozerin] Vest. oft., 1943, **22:** No. 3, 33–5.—**Stedman, E.** Chemical constitution and miotic action. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 258.

MIOTTI, Tito. L'apparato urinario nella gravidanza; nota dalla casistica della R. Clinica ostetrica e ginecologica di Torino nell'ultimo decennio. p.483–534. illust. 24½cm. Tor., 1942.
In: Ginecologia, Tor., 1942, **8:**

MIPPI, Lise Marie Virginie, 1907– *La méningite à pneumobacille de Friedländer chez l'enfant. 84p. 24cm. Par., E. Le François, 1938.

MIQUEL, André, 1914– *Les troubles du rythme dans l'intoxication digitalique. 66p. diagr. 24cm. Par., Jouve & cie, 1942.

MIQUEL, Antoine, 1796–1829.
For biography see in Index biogr. (Acad. méd.) Par., 1939 85.

MIQUEL, Friedrich Anton Wilhelm, 1811–71.
For biography see in Nieuw nederl. biogr. woordenb., Leiden, 1918, **4:** 986.

MIQUEL, Jean. *Le bon vin hors de cause dans la pathogénie de la cirrhose atrophique de Laënnec. 60p. 24½cm. Toulouse, Impr. Toulousaine, 1938.

MIQUEL, Jean Henry Gabriel, 1900– *Quelques considérations à propos du Congrès; etude médico-historique, médico-légale et médico-sociale d'hier et d'aujourd'hui. 128p. 8° Par., Libr. Le François, 1927.

MIQUEL, Marcel. *Contribution à l'étude de l'hémothérapie dans la maladie de Carré. 95p. tab. 24cm. Toulouse, F. Boisseau, 1933.

MIQUEL, Marcel Marie, 1803–47.
For biography see in Index biogr. (Acad. méd.) Par., 1939, 85.

MIQUEL, Roland, 1906– *Les manifestations cutanées de la sclérose tubéreuse. 117p. 8° Par., Vigot fr., 1936.

MIQUELIA.

See also **Arrow poison.**

Kiyono, K. Yadoku no kisai; zensin tyūdoku wo syōzuru syokubutu-doku; Miquelia caudata (Stauranthera caudata) [Description of arrow-poisons; plant-poisons affecting the whole body; Miquelia caudata (Stauranthera caudata)] In his Indonesia no minzoku igaku, Tokyo, 1943, 404.

MIQUELON Island.

Guyomarc'h. Aperçu rapide sur les facteurs de morbidité aux Iles Saint Pierre et Miquelon. Marseille méd., 1931, **68:** 113–9.

MIR, Manuel.
Translator of [**Procès** et défense de F.-V. Raspail] Causa y defensa de F. V. Raspail. 64p. 23cm. Méx. [after 1860]

MIRA, Giacquinto M. La malaria en Guatemala; estudios epidemiológicos y desarrollo de la

campaña antipalúdica. 54p. illust. tab. 8° Roma, Stamperia moderna, 1936.

MIRABEAU, Gabriel Honoré Riquetti, comte de, 1749–91.

Bailliart, P. Une maladie oculaire de Mirabeau. Bull. Soc. fr. hist. méd., 1942, **36:** 6–14.—**Chevalier, A. G.** Wurde Mirabeau vergiftet? Ciba Zschr., Basel, 1937–38, **5:** 2088.—**Issa Assaly, A.** Mirabeau penitenciarista. Arq. políc. civ. S. Paulo, 1942, **3:** 43–54. Also Policía secr. nac., Habana, 1942–43, **11:** 217–24.—**Laignel-Lavastine.** La péricardite purulente de Mirabeau observée par Cabanis. Mém. Soc. fr. hist. méd., 1946, **2:** 71–7.—**Lemay, P.** La mort suspecte de Mirabeau. Progr. méd., Par., 1939, pt 1, Suppl., 48–51, portr.—**Moore, R. A.** Gabriel Honoré de Riquetti, Count of Mirabeau; a medico-historical study. Ann. M. Hist., 1929, n. ser., **1:** 191–7.

MIRABILIS jalapa.

See **Jalap.**

MIRABLON, Marcelle, 1900– *L'insuline dans la maigreur. 50p. 8° Par., Jouve & cie, 1928.

MIRACIL.

Blair, D. M., Hawking, F. [et al.] Miracil; clinical trial on patients infected with Schistosoma haematobium and S. mansoni. Brit. J. Pharm., 1949, **4:** 68–80.—**Blair, D. M., Hawking, F., & Ross, W. F.** The effect of miracil D on human schistosomiasis. Lancet, Lond., 1947, **2:** 911.—**Coxon, R. V., Latner, A. L., & King, E. J.** The estimation of miracil in urine. Biochem. J., Lond., 1947, **41:** Suppl., xxx.—**Gönnert, R.** Zur Frage des Wirkungsmechanismus von Miracil. Naturwissenschaften, 1947, **34:** 347.—**Halawani, A., Newsome, J., & Wootton, I. D. P.** Miracil D; investigation of blood levels after a single dose. J. Egypt. M. Ass., 1947, **30:** 656–62, ch.—**Halawani, A., Watson, J. M.** [et al.] Miracil D, a new chemotherapeutic agent for bilharziasis. Ibid., 1948, **31:** 272–84.—**Kikuth, W., Gönnert, R., & Mauss, H.** Miracil, ein neues Chemotherapeuticum gegen die Darmbilharziose. FIAT Rev., Wiesb., 1948, Chemother., 289.—**Lang, K., Siebert, G., & Lönnecke, W.** Ueber biochemische Wirkungen von Miracil D. Klin. Wschr., 1950, **28:** 104.—**Mauss, H.** Ueber basisch substituierte Xanthon- und Thioxanthonabkömmlinge Miracil, ein neues Chemotherapeuticum. FIAT Rev., Wiesb., 1948, Chemother., 283–8.—**Watson, J. M., Abdel Azim, M., & Halawani, A.** Investigations on the antibilharzial action of miracil D. Tr. R. Soc. Trop. M. Hyg., Lond., 1948–49, **42:** 37–54, pl.—**Wood, D. R.** Observations on the pharmacology of miracil, a new chemotherapeutic agent for schistosomiasis. Q. J. Pharm., Lond., 1947, **20:** 31–7.

MIRACLE.

See also **Apparition; Faith cure; Lourdes; Magic.**

RÉJA, M. Au pays des miracles. 258p. 12° Par., 1930.

Geley, G. A propos d'un miracle contemporain. Chron. méd., Par., 1907, **14:** 750–5.—**Hermann, C.** Eduard Zeller und der Wunderglaube. Deut. Rev., 1908, **4:** 277–82.—**Kornfeld, M.** La participation dans le domaine de l'art; miracles. Rev. philos. France, 1944, **68:** 247–56.—**Lazare, S.** Le miracle. Rev. sc., Par., 1943, **81:** 363–8.—**Myres, J. L.** Miracles. Nature, Lond., 1947, **160:** 648.—**Sartory, A., & Sartory, R.** Miracles. Strasbourg méd., 1934, **94:** 733.—**Whipple, L.** Miracles. Surv. Graphic, 1937, **26:** 705–8.

—— Authentication.

Barraud. Une visite médicale à la Cour des miracles. Chron. méd., Par., 1905, **12:** 625–9.—**Bon, H.** Expertise médicales et biologiques en vue de la reconnaissance de miracles. In his Précis d. méd. cath., Par., 1936, 60–71. ——— Constatations de miracles. Ibid., 65. ——— Bureaux de constatations médicales. Ibid., 69–71.—**Thorndike, L.** How distinguish miracle from magic? In his Hist. Magic & Exp. Sc., N. Y., 1923, **1:** 417. ——— Miracle distinguished. Ibid., **2:** 603.

—— Bibliography.

GAY, J. Bibliographie des ouvrages relatifs aux pélerinages, aux miracles, au spiritisme et à la prestidigitation imprimés en France et en Italie l'an du jubilé 1875. 70p. 20½cm. Turin, 1876.

Dingwall, E. J. Cadbury, H. J. George Fox's Book of miracles [Bk Rev.] Nature, Lond., 1949, **163:** 745.

—— biological.

BON, H. Les prodiges biologiques. p.247–389. 22cm. Par., 1936.
In his Précis d. méd. cath., Par., 1936.

Bon, H. Les phénomènes biologiques extraordinaires. In his Précis d. méd. cath., Par., 1936, 63–5. ——— Prodiges biologiques divers. Ibid., 338–41. ——— Les mouvements miraculeux des morts. Ibid., 444–6.—**Thurston, H.** The alleged liquefaction of the blood of St. Januarius. Cath. M. Guard., Lond., 1926, **4:** 54–60.

—— Cases.

BOISSARIE, P. G. Healing at Lourdes. 369p. 8° Balt., 1933.

[TRUE (A) relation of the wonderful cure of Mary Maillard] Relation véritable de la guérison miraculeuse de Marie Maillard. 68p. 12½ x 7cm. Amst., 1694.

Benedicenti, A. [Alberi miracolosi] In his Malati, Milano, 1924, **1:** 16.—**Buchanan, D.** Some observations on Dr. Walshe's criticisms on the De Rudder case. Cath. M. Guard., Lond., 1934, **12:** 18–21.—**Friedländer, A. A.** Das Konnersreuther Wunder? Münch. med. Wschr., 1933, **80:** 226.—**Grêle** (Unc) merveilleuse? Ann. sc. psych., Par., 1908, **18:** 25.—**Liber, B.** Lourdes. In his Your Ment. Health, N. Y., 1940, 330–3.—**Liek, E.** Das Wunder in der Heilkunde; nachdenkliche Erinnerungen an Gallspach. Münch. med. Wschr., 1929, **76:** 1051–3. ——— Louise Lateau, eine Vorläuferin der Therese von Konnersreuth. Ibid., 1933, **80:** 225.—**O'Gorman, P. W.** The most outstanding medical miracle of the age; with a demonstration on casts of the bones of Pierre de Rudder, supported by the testimony of the Rev. F. Rankin, S. J., and Dr J. J. O'Donnell. Cath. M. Guard., Lond., 1933, **11:** 121–31, 2 pl. ——— The De Rudder case. Ibid., 1934, **12:** 10–6.—**Reverchon, L.** A propos de la guérison miraculeuse de Pierre de Rudder; présentation d'un dossier radiographique. J. sc. méd. Lille, 1929, **47:** pt 2, 44–53, 3 pl.—**Sage, M.** The alleged miraculous hailstones of Remiremont. Proc. Soc. Psychic. Res., Lond., 1907–09, **21:** 405–35.—**Stekel, W.** The problem of a miraculous cure. In: Sidelights Surgery (Forbát, S.) Lond., 1939, 147–61.—**T., C. W.** Indian miracles. Ciba Sympos., 1943–44, **5:** 1746.

—— Criticism.

Bajla. I pretesi miracoli di Lourdes; risposta al Dott. Gemelli. Italia san., 1910, **6:** 276–9.—**Griffith, I.** Science and miracles. In his Lobscows, Phila., 1939, 388–92.—**Oliveira Dias.** O milagre e a ciência. Acção méd., 1945–46, **10:** 34–55.—**Roger, H.** Miracles et déterminisme. Hippocrate, Par., 1935, **3:** 97–109.—**Swisham, W. P.** Miracles or will power? Your Body, N. Y., 1936–37, **3:** 214–8.

—— History.

AGRIPPA, H. C. Expostulatio super expositione sua in librum de verbo mirifico cum Joanne Catiline. p. C_{8v}–D_{4r}. 15½cm. Köln, 1532.
In his De nobilitate, &c., Köln, 1532.

HERZOG, R. Die Wunderheilungen von Epidauros; ein Beitrag zur Geschichte der Medizin und der Religion. 164p. 8° Lpz., 1931.

WEINREICH, O. *Θεοῦ χείρ. Antike Heilungswunder [Heidelberg] 45p. 8° Naumb., 1908.

Giusti, A. I fatti mirabili di Erodoto; casi di amaurosi per punizione divina. Illust. med. ital., 1929, **11:** 91–3.—**Howitt, W.** The supernatural amongst the early fathers. In his Hist. Supernat., Phila., 1863, **1:** 438–68. ——— The miracles in the churchyard in Paris in 1731 and subsequently. Ibid., **2:** 151–68.—**Kallus, I.** Die Hemmareliefs im Dome zu Gurk. Wien. med. Wschr., 1939, **89:** 102–6.—**Littré, M. P. E.** Un fragment de médecine rétrospective. In his Médecine et médecins, Par., 1872, 111–36.—**Mariotti, M.** Il miracolo di Loreto nella storia; dalle cronache del viaggio in Italia di M. Montaigne. Minerva med., Tor., 1948, **39:** pt 2, Varia, 471.—**Møller-Christensen, V.** [St. Wilhelm's Chapel; miracle working health resort and holy water at the Aebelholt Monastery in the 13th until the 16th century] Bibl. laeger, 1939, **131:** 365–402.—**Reh, A.** Die Wunderheilung von Leonberg im Jahre 1644. Schweiz. med. Wschr., 1926, **56:** 1077–9.—**Thompson, C. J. S.** Miraculous beds of healing. In his Magic & Healing, Lond., 1947, 154–60, illust.—**Thorndike, L.** Further marvels from the Pseudo-Matthew. In his Hist. Magic & Exp. Sc., N. Y., 1923, **1:** 394. ——— An account ascribed to Marcellus. Ibid., 425. ——— Miracles of heretics. Ibid., 507. ——— Natural marvels. Ibid., 625.

—— Medical views.

BONNIOT, J. DE. Le miracle et les sciences médicales; hallucination, apparitions, extase, fausse extase. 403p. 18cm. Par., 1879.

CHALOT, P. Les miracles en face de la médecine; conséquences logiques. 39p. 17cm. Par., 1945 [?]

LIEK, E. Das Wunder in der Heilkunde. 2. Aufl. 208p. 8° Münch., 1931.

Blanton, S. Psychiatric study of a miraculous cure at Lourdes. J. Nerv. Ment. Dis., 1940, **91:** 222–6. ——— Analytical study of a cure at Lourdes. Psychoanal. Q., 1940, **9:** 348–62.—**Drenkhahn, R.** Liebigs und Helmholtzs Aeusserungen über den Wunderglauben. Münch. med. Wschr., 1938, **85:** 66.—**Leuret.** I a question des miracles de Lourdes au point de vue médical. Echo méd. Cévennes, 1950, **51:** No. 2, 5–7.—**Royo Villanova, R.** Los milagros en medicina. Clin. laborat., Zaragoza, 1931, **18:** 353–61.

—— Medical views, catholic.

See also **Christ.**

Bon, H. Les miracles médicaux de Notre-Seigneur. In his Précis d. méd. cath., Par., 1936, 113–6. ——— Les guérisons surnaturelles. Ibid., 412–39. ——— Guérisons surnaturelles courantes. Ibid., 422–32. ——— Phénomènes cliniques spéciaux des guérisons surnaturelles. Ibid., 436.—**Bonner, A.** Miracles. In his Cathol. Doctor, N. Y., 1938, 17–29.—**Bouillard, H.** Les guérisons de Lourdes; l'idée chrétienne du miracle. Cah. Laënnec, 1948, **8:** No. 4, 25–37.—**Le Bec.** Miracle en médecine et déterminisme. Bull. Soc. méd. S. Luc, Par., 1936, **42:** 137–54.—**Massé, D.** Les miracles de Jésus-Christ. Praticien N. Afrique, 1931, **4:** 185; passim.—**Walshe, F. M. R.** The after-history of a Lourdes miraculée; a specialist in sudden cures. Cath. M. Guard., Lond., 1938–39, **16:** 190–3.

—— Psychopathology.

MITTLER, N. *Des guérisons dites miraculeuses aux guérisseurs et leurs clients; étude psychopathologique. 46p. 25cm. Par., 1940.

Cantó Téllez, A. Histerismo y milagros. Mundo méd., 1932, **14:** 152; 201.—**Sanchís Banús, J.** Sobre las curaciones milagrosas; reflexiones psiquiatricas inactuales. Arch. med., Madr., 1929, **31:** 337–46. Also Medicina, Méx., 1930, **10:** 201–12.

—— Saints.

See also **Saint.**

Bettica, R. Il Beato Angelo Carletti e la visità medica fatta al suo corpo 1'8–6–1696. Gazz. osp., 1939, **60:** 82.—**Casotti, L.** La stomatoiatria nei miracoli di S. Francesco da Paola. Cult. stomat., Nap., 1925, **2:** 427.—**Collins, J.** The miracles at the tomb of B. François de Paris. Med. Rec., N. Y., 1908, **74:** 1–12.—**Fay, P. B.** A miracle of the 13. century. Am. Ann. Deaf, 1923, **68:** 121–8.—**Grant, J.** Miracles performed by saints and other holy persons, and the influence of sacred relics. In his Myster. All Nations, Leith, 1880, 130–49.—**Johannet, R.** A permanent miracle; the Tomb of the Saints at Arles-sur-Tech. J. Am. Soc. Psychic. Res., 1940, **34:** 81–90.—**Lawrence, R. M.** Remedial virtues ascribed to relics. In his Primitive Psychother., Bost., 1910, 165–71.—**Miracles** (The) of the Deacon de Pâris. Brit. M. J., 1909, **2:** 1548; 1625, illust.—**Nussac, L. de.** Saint Eloi et le miracle du pied coupé. Aesculape, Par., 1936, **26:** 132–9.

—— Touch.

Kellner, A. W. Königsheilung durch Handauflegen. Psychiat. neur. Wschr., 1935, **37:** 306–9.

—— Unusual cures.

CARLSON, E. Miraculous healing and cure of all diseases. 144p. 21½cm. Balt., 1944.

FERRON, R. *Etude sur les guérisons dites miraculeuses. 48p. 25cm. Par., 1939.

FROST, H. W. Miraculous healing. 175p. 19½cm. N. Y., 1939.

REITER, P. J. Sikre og tvivlsomme mirakler. 51p. 20cm. Kbh., 1943.

TRINTZIUS, R. Les guérisons supra-normales. 280p. 18cm. Par., 1944.

Botto-Micca, A. La carne di lucertola miracoloso rimedio settecentesco per il cancro e le piaghe. Rass. clin. ter., 1930, **29:** 46–51.—**Bruce, H. A.** The new mind cure based on science; including stories of wonderful cases where relief has been supplied without the aid of surgery or medicine. American Mag., N. Y., 1910, **70:** 773–8.—**Cura** (A propósito de uma) miraculosa. Acção méd., 1947, **11:** 288.—**Pacheco e Silva, A. C.** As curas miraculosas perante a ciência. Impr. méd., Rio, 1947–48, **23:** No. 408, 25–30.—**Schlesinger, H.** Wunderkuren in alter und neuer Zeit. Deut. Aerzte Ztg, 1932, **7:** No. 331, 1.—**Silva Mello, A. da.** Curas miraculosas. Rev. brasil. med., 1947, **4:** 889–91.—**Tânner de Abreu, H.** As curas miraculosas ou os acontecimentos de Urucânia. Impr. méd., Rio, 1948–49, **24:** No. 414, 86–9.

—— in art and literature.

ROSENTHAL, O. Wunderheilungen und ärztliche Schutzpatrone in der bildenden Kunst. 42p. 27½cm. Lpz., 1925.

Callot, J. Die Heilung des Eutychus. In: Wunderheilungen (Rosenthal, O.) Lpz., 1925, pl.52.—**Dore, G.** Jesus Kranke heilend. Ibid., pl.14. ——— Jesus erweckt Jairi Töchterlein. Ibid., pl.29.—**Earlom,** nach Rembrandt. Elias heilt das Söhnlein der Witwe. Ibid., pl.7.—**Gaddi, T.** Das Wunder des heiligen Kreuzes. Ibid., pl.60.—**Green.** Elias heilt des Söhnlein der Witwe. Ibid., pl.6.—**Guida, C.** Guarigione miracolosa raffigurata in un bassorilievo del secolo XVIII. Boll. med., Trapani, 1935, **3:** 159–61.—**Hoet, G.** Heilung des Gichtbrüchigen. In: Wunderheilungen (Rosenthal, O.) Lpz., 1925, pl.23. ——— Erweckung des Jünglings von Nain. Ibid., pl.26. ——— Die Heilung des Eutychus. Ibid., pl.51.—**Miracle** cure in a temple of Amphiaraus [Illust.] In: Civiliz. & Disease (Sigerist, H. E.) Ithaca, 1943, opp. p.132.—**Rembrandt van Rijn.** Christus Kranke heilend (Hundertguldenblatt) In: Wunderheilungen (Rosenthal, O.) Lpz., 1925, pl.15.—**Schnorr von Carolsfeld.** Elias heilt das Söhnlein der Witwe. Ibid., pl.5.—**Van Orley, J.** Heilung der verdorrten Hand. Ibid., pl.25. ——— Heilung des Kananäischen Weibes. Ibid., pl.27. ——— Heilung des Gichtbrüchigen. Ibid., pl.24. ——— Jesus erweckt Jairi Töchterlein. Ibid., pl.30.

MIRAGLIA, Biagio Gioacchino, 1814–85.

Biagio Miraglia, scienziato e poeta. Nicia, Milano, 1932, 2: No. 11, 12, portr.—**Miraglia, B.,** jr. Patria e libertà nella poesia di uno scienziato patriota del 1848. Malati medici medicine, 1948, **17:** No. 4, 8, portr.

For biography see Riforma med., 1947, **61:** 195 (Bruni, C.) Also Rass. neuropsich., 1948, **2:** 519–31, portr.

MIRAGLIA, Biagio, jr. [lic. 1921]

Erede, U. Musica e psicoterapia; Biagio Miraglia junior applica ai deficienti e frenastenici le idee del grande antenato. Italia méd., 1948, **16:** Aug., 2.

MIRAGLIA, Guiseppe. L'igiene delle chiese. 244p. illust. tab. 19cm. Tor., R. Berruti & C., 1940.

MIRAJ, India.

Daftardar, B. A. Golden jubilee celebration of the Medical School at Miraj. Ind. M. Guide, 1948, **1:** 43–5.—**Golden** jubilee of the Miraj Medical Centre co-operating with the Wanless Tuberculosis Sanatorium. J. Christ. M. Ass. India, 1944, **19:** 177–9.

MIRALBELL Centena, Manuel. Vacuna Calmette; contribución a los métodos paraenterales y en especial el subcutáneo. 116p. illust. tab. 20½cm. Barcel., Miguel Servet, 1944.

MIRALLES, Raymond, 1911– *Contribution à l'étude des asthmes d'origine hépatique. 85p. 24½cm. Par., M. Vigné, 1939.

MIRALLIE, Charles Jean Joseph, 1866–1932.

For obituary see Gaz. sc. méd. Bordeaux, 1932, **53:** 720. Also Presse méd., 1933, **41:** 19 (Gauducheau, R.)

For biography see in Index biogr. (Acad. méd.) Par., 1939, 85.

MIRALLIE, Charles Leon Jean, 1900–

*Les ruptures sous-cutanées du tendon d'Achille; leur traitement. 79p. 8° Par., L. Arnette, 1931.

MIRAM, Johann Eduard, 1851–

For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 293.

MIRAMION, Marie Bonneau, 1629–96.

Escholier, R. Chez Madame de Miramion; le Musée de la Charité. Art & méd., Par., 1934, May, 18–21.

MIRANDA, Venezuela.

González, E., & Quintero Arellano, J. M. Geografía médica del Estado Miranda. Gac. méd. Carácas, 1925, **32:** 329; 342.

MIRANDA, Alfonso, 1908– *Traitement de la lèpre par le vaccin anti-hansenien de Vaudremer. 80p. 8° Par., M. Vigné, 1935.

MIRANDA, Antonio Rodrigues de, 1861–

Bio-bibliografia. Dic. biobibl. brasil., Rio, 1937, **1:** 467.

MIRANDA, Arandy Hygino, 1904–48.

For obituary see Rev. gin. obst., Rio, 1948, **42:** 113, portr.

MIRANDA, Arí Afonso de, 1894–

Bio-bibliografia. Dic. biobibl. brasil., Rio, 1937, **1:** 533–5, portr.

MIRANDA, Custódio Luís de, 1807–78.
For biography see in Hist. med. Brasil (Santos Filho, L. de C.) S. Paulo, 1947, 2: 115.

MIRANDA, Felippe de Sousa. *Educação sexual do brasileiro em face do vultoso problema da grandesa da patria [Paraná] 115, iiip. illust. 22cm. Curitiba, A. Hey & cia, 1929.

MIRANDA, Fernando de.
Translator of **Halbwachs, M.** Morfologia social. 218p. 19cm. Coimbra, 1941.

MIRANDA, Francisco de P., 1890–1950.
For biography see Rev. méd. veracruz., 1941, 21: 3469–71.
For portrait see Asistencia, Méx., 1941, No. 3, 21.

MIRANDA, Francisco G.
For biography see in Hist. Class 1893 Dep. Med. Univ. Pennsylvania (Forst, J. R.) Phila., 1913, 178–80.

MIRANDA, Francisco Manoel Guedes de, –1921.
For obituary see Arch. brasil. med., 1921, 11: 291.

MIRANDA, Giovanni, 1865–1945. La patologia utero-coriale. p.117–84. illust. tab. 25cm. Milano, 1945.
In Trat. gin. (Clivio, I.) 2. ed., Milano, 1945, 2:
For obituary see Riv. ital. gin., 1944, 27: 3. Also Rass. internaz. clin. ter., 1945, 25: 83. Also Ann. ostet. gin., 1946, 68: 3. Also Arch. ostet. gin., 1946, 51: 3–16, portr.

MIRANDA, João Cardoso de, –1773. Relação cirurgica e medica na qual se trata e declara especialmente hum novo methodo para curar a infecção escorbutica, ou mal de Loanda. 2. ed. 8 p. l., 255p., 22p., 1 l. 16cm. (text) Lisb., M. Soares, 1741 [i. e., 1752]
For biography see in Hist. med. Brasil (Santos Filho, L. de C.) S. Paulo, 1947, 2: 346.

MIRANDA, Mario.
See **Ferrio, L., & Miranda, M.** Princípios de farmacoterapia. p.189–224. 23cm. Rio, 1946. Also **Ferrio, L., Miranda, M., & Castro, C. P. de.** Princípios de terapêutica alimentar. p.115–87. 23cm. Rio, 1946.
Also joint editor of **Ferrio, L.** Terapêutica médica; ed. brasil. v.1. 735p. 23cm. Rio, 1946.

MIRANDA, Mario Pontes de, –1937.
For obituary see Laborat. clin., Rio, 1937, 17: 207.

MIRANDA, Martín, hijo. *Tratamiento de la intoxicación aguda por el bicloruro de mercurio; los abscesos de fijación. 95p. 26½cm. B. Air., E. Spinelli, 1916.

MIRANDA, Silvestre, –[before 1946] Formulario de terapéutica y de farmacología veterinarias. 1277p. 25cm. Madr., Ed. estud. españ., 1946.

MIRANDA Casanova, Mario. *La sulfapiridina en el tratamiento de las infecciones entéricas [Chile] 66p. 25½cm. Santiago [?] Impr. Senda, 1941.

MIRANDA Castro, Pedro. Tifus exantemático. 109p. illust. pl. diagr. 20½cm. Aranda de Duero, Impr. Bayo, 1943.

MIRANDA E., Ramón. *La reacción de Hijmann van den Bergh en clínica; estudios sobre 115 casos observados. 60p. 8° Santiago, Impr. El Esfuerzo, 1930.

MIRANDA e Castro, Antônio Maria de, –1874(?)
For biography see in Hist. med. Brasil (Santos Filho, L. de C.) S. Paulo, 1947, 1: 270.

MIRANDA e Silva, Júlio, 1839–1901.
For biography see in Hist. med. Brasil (Santos Filho, L. de C.) S. Paulo, 1947, 1: 361.

MIRANDA Gallino, Martín. El cuociente cardio-torácico; nuevo procedimiento para determinar el volumen del corazón. 86p. pl. tab. diagr. 23½cm. B. Air., El Ateneo, 1929.

MIRANDA Garza, Renato. *Informe médico-social del Ejido de San Lorenzo, Municipio de San Buenaventura, Estado de Chihuahua. 85p. 22cm. Méx., Tipogr. Ortega, 1949.

MIRANDA Matus, Celso.
For portrait see Rev. As. méd. lat. amer., Jersey City, 1947, 8: No. 6, 8.

MIRANDA Miranda, Juan Bautista, 1857–1920. Tratado de farmacia teórico y práctico aplicado á la medicina y farmacia. Suplemento. vi, 388p. tab. 25½cm. Santiago de Chile, Impr. litogr. Barcelona, 1906.
See also **Puga y Borne, F., & Miranda Miranda, J. B.** Farmacopea chilena. 393p. 27cm. Santiago de Chile, 1905.
For obituary see Actes Soc. sc. Chili (1920) 1921, 30: 133–6.
For portrait see Res. gen. Congr. cient. panamer. (1908–09) 1915, 4. Congr., 79. Also Rev. quím. farm., Santiago, 1943, 1: No. 3, 13.
See also in 3. ser. under **Miranda, Juan B.**

MIRANDA Tirado, Luis. *Sobre la herencia de algunos caracteres morfológicos de la dentadura y del relieve palatino según observaciones en gemelos [Chile] 32p. 8° Concepción, Impr. La República, 1934.

MIRANDE, Christiane. Les soins gratuits aux victimes de la guerre; article 64 de la Loi du 31 mars 1919. 171p. 25cm. Par., Jouve & cie, 1942.

MIRANDOLA, Gianfrancesco della, 1470–1533.
See **Pico della Mirandola, Giovanni Francisco.**

MIRASSOU-ARRIPE, Pierre, 1906– *Contribution à l'étude clinique et thérapeutique des suppurations de la paroi abdominale après césarienne basse. 52p. 25cm. Bord., Impr. Delmas, 1933.

MIRAU, Heinrich, 1901– *Ein Fall von Gallenfistelbildung durch die Lunge [Freiburg] 12p. 21cm. Tüb., Tübing. Studentenwerk, 1935.

MIRAU, Stefan, 1901– *Die Technik der Bluttransfusion. 23p. 8° Berl., L. Schumacher, 1928.

MIRAULT, Germanicus, 1796–1879.
For biography see in Centen. Ecole méd., Angers, 1907, 114 (Monprofit, A.) Also in Index biogr. (Acad. méd.) Par., 1939, 85.
For portrait see in Centen. Ecole méd., Angers, 1907, opp. p. 30.

MIRAULT, Jean Baptiste François, 1754–1814.
For biography see in Centen. Ecole méd., Angers, 1907, 100–2 (Mareau, G.); p. 112 (Monprofit, A.)

MIRAULT-KRETCHMAR, Marianne, 1918– *Recrudescence des ulcères gastro-duodénaux au cours des années 1939–1944 et alimentation en période de guerre [Zürich] p.225–69. tab. ch. 24½cm. Basel, S. Karger, 1945.
Also Gastroenterologia, Basel, 1945, 70:

MIRAVED Blanco, Fernando, 1877–
For portrait see Acta radiol., Stockh., 1928, Suppl. 5, 116.

MIRAVENT, Juan M. *Etiología, inmunidad profilaxis y tratamiento específico de la escarlatina. 126p. 23cm. B. Air., S. de Amorrortu, 1929.

MIRA y López, Emilio, 1896– Manual de psicología jurídica. 270p. 8° Barcel., Salvat Ed., 1932.
—— Problemas psicológicos actuales. 262p. 22½cm. B. Air., El Ateneo, 1940.
—— Manual de psicoterapia. 314p. tab. diagr. 23½cm. B. Air., A. López, 1942.
—— Manual de psiquiatría. 2. ed. xii, 857p. illust. 27cm. B. Air., El Ateneo, 1943.
—— La psiquiatría en la guerra. 239p. illust. pl. tab. diagr. 20½cm. B. Air., Ed. méd. quir., 1944.
—— [The same] Psychiatry in war. 207p. 21cm. N. Y., W. W. Norton & Co., 1943.
—— Psiquiatría básica. 298p. tab. 23cm. B. Air., El Ateneo, 1948.
A summary of the author's Manual de psiquiatría.
See also editor of **[France] Congrès des médecins aliénistes**

et neurologistes de France [33. Congrès] Comptes rendus. 494p. 8°. Par., 1929.

Also translator of **Frolov, Y. P.** La actividad cerebral; estado actual de la teoría de Pavlov. 260p. 23cm. B. Air., 1942.

See also Chief psychiatrist of Loyalist Spain, to lecture in the United States. South. M. & S., 1942, **104:** 639.

Mira (Emilio) to give Salmon lectures. Psychiat. Q., 1942, **16:** 831.—**Salmon** (The) Committee on Psychiatry and Mental Hygiene appoints Dr Emilio Mira as the Salmon lecturer for 1942. Psychoanal. Q., 1942, **11:** 616.—**Salmon** (The) lectures for 1942, Psychiatry at war. Med. Rec., N. Y., 1942, **155:** 508.

For portrait see Rev. psiquiat. Uruguay, 1940, **5:** No. 28, 3.

MIRBANE oil [$C_6H_5.NO_2$]

See **Benzene,** Nitro derivatives; **Nitrobenzene.**

MIRBEAU, Gérard, 1907– *Contribution à l'étude de la diphtérie chez les nouveaunés. 47p. 8°. Par., M. Vigné, 1933.

MIRBEL, Charles François Brisseau de, 1776–1854.

For portrait see Collection in Library.

MIRC, Renée. *Contribution à l'étude de la calcification des cartilages costaux dans les diverses formes anatomo-cliniques de la tuberculose pulmonaire. 62p. illust. tab. 24cm. Toulouse, H. Cléder, 1935.

MIRCOLI, Stefano. Nel ciclo delle autoinfezioni fisiologiche; la rachitide umana puerile. 855p. pl. 23½cm. Nap., V. Idelson, 1921.

MIRCOUCHE, Henri, 1873–1931.

For obituary see in Fasc. script. (Dartigues, L.) Par., 1932, **3:** 813–7.

MIREA, Alexandru, 1883–

For portrait see Acta radiol., Stockh., 1928, Suppl. 5, 205.

MIREB, Rached. *De l'action de l'ozone sur la cicatrisation des plaies. 27p. 8°. Lausanne Impr. Jurassiene, 1933.

MIREBEAU, Gilbert Etienne François, 1907– *Considérations sur la pathologie du ménisque externe articulaire du genou et sur les différentes techniques de méniscectomie. 96p. 8°. Par., Libr. Le François, 1931.

MIR-FAKHRAI, Hadi. *Etude de la durée de la grossesse. 56p. tab. diagr. 22½cm. Genève, Impr. du Commerce, 1939.

MIRFELD, John, –1407. Breviarium Bartholomei. p.35–95. 8°. Cambr., Univ. Pr., 1936.

In: Johannes de Mirfeld (Hartley, P. H. S., & Aldridge, H. R.) Cambr., 1936.

—— Florarium Bartholomei. p.97–164. 8°. Cambr., Univ. Pr., 1936.

In: Johannes de Mirfeld (Hartley, P. H. S., & Aldridge, H. R.) Cambr., 1936.

MIRIDAE.

See also **Hemiptera.**

Carvalho, J. C. M., & Drake, C. J. A new genus and two new species of neotropical Dicyphinae (Hemiptera, Miridae) Rev. brasil. biol., 1943, **3:** 87–9.—**China, W. E.** A new genus and species of Miridae (Bryocorinae) feeding on Khaya gradifoliola in the Gold Coast (Hemiptera, Heteroptera) Bull. Entom. Res., Lond., 1943–44, **34:** 287–90.—**Figueiredo, jr, E. R.** Um percevejo inimigo da petúnia, Cyrtopeltis chlorogaster Berg, Hemiptera, Miridae. Biológico, S. Paulo, 1946, **12:** 255.—**Knight, H. H., & Carvalho, J. C. M.** Neotropical Miridae; two new species of Auchus Distant from Brazil (Hemiptera) Rev. brasil. biol., 1943, **3:** 83–5. ——— New species of Baculodema, Derophthalma and Leucopoecila (Hemiptera) Ibid., 139–41. ——— Garganus diversicornis n. sp. and a correction on Ischnias saltensis Berg (Hemiptera) Ibid., 143.—**Osborn, H.** The meadow plant bug, Miris dolabratus. J. Agr. Res., 1918, **15:** 175–200, pl.—**Smith, K. M.** Investigation of the nature and cause of the damage to plant tissue resulting from the feeding of capsid bugs. Ann. Appl. Biol., Lond., 1920, **7:** 40–55, pl.

MIRIKITANI, Carl Mamoru, 1909– *Breech delivery as a complication of labor at the W. A. Foote Memorial Hospital and a discussion of some phases of its management [Marquette Univ.] 7p. ch. tab. 28cm. Milwaukee, n. p., 1940.

MIRISELA, Miguel. *O leitelho em dietetica infantil. 121p. 8°. S. Paulo, Livr. Liberdade, 1931.

MIRIZZI, Pablo Luis, 1893– La cholécystectomie sans drainage (cholécystectomie idéale) 105p. illust. 8°. Par., Masson & cie, 1933.

—— Fisiopatología del hepato-colédoco; colangiografía operatoria. 282p. illust. 27½cm. B. Air., El Ateneo, 1939.

—— Litiasis del colédoco; tratamiento. 156p. illust. diagr. 23cm. B. Air., A. G. Buffarini, 1939.

—— Diagnóstico de los tumores abdominales. 2v. illust. 27½cm. B. Air., El Ateneo, 1941.

—— Cirugía de la litiasis biliar; 2°. curso de perfeccionamiento, 1943. 548p. illust. portr. 27cm. Córdoba (Argent.) Impr. universidad, 1944.

—— Complicaciones y secuelas de la cirugía de las vías biliares. p.87–152. illust. diagr. 24cm. Montev., 1946.

In: Congr. interamer. cirug., 1946, 3. Congr., **1:**

See also **Aquino Salles, A. de.** O sinal de Mirizzi em ginecologia. An. brasil. gin., 1943, **15:** 103–15.—**López Esnaurrizar, M.** Método terapéutico para el síndrome hepaticiano de Mirizzi y algunas litiasis de las vías biliares. Bol. Soc. cir. Córdoba, 1949, **10:** 16–23.

For biography see in Biogr. Encycl. World, 2. ed., N. Y., 1942, 292, portr.

See also **Homenagem.** Rev. brasil. cir., 1943, **12:** 729. Also Rev. méd. brasil., 1944, **16:** 405–12.—**Professor** honoris causa da Universidade do Brasil. Hospital, Rio, 1943, **24:** 822–6.

MIRKOV, Savva.

For portrait see Voen. san. delo, Sofia, 1947, **2:** 37.

MIRMAN, Léon, 1865– , **SIMON, G., & KELLER, G.** [Leurs crimes] Their crimes; transl. from the French. ix, 64p. 8°. Lond., Cassell & Co., 1917.

MIRMANN, Lipa. *Die Krankheiten der Kreislaufsorgane als Todesursache im Kanton Basel-Stadt 1876–1925 [Basel] 40p. 8°. Libau, G. D. Meyer, 1930.

MIROE, Hendrik, 1551–1621.

For portrait see Collection in Library.

MIROGOBIUS.

Blanco, G. J. Artificial fertilization and embryology of Mirogobius lacustris Herre. Philippinc J. Sc., 1947, **77:** 83–7, 2 pl.

MIROLI, Daniel, 1882–1943.

For obituary see Prensa méd. argent., 1943, **30:** 320.

MIRONOFF, Alexis, 1893– *Etude sur l'huître aliment et agent thérapeutique, avec considérations concernant les mesures de protection dont ce mollusque est l'objet en France. 72p. 8°. Par., Libr. Lipschutz, 1933.

MIRONOV, Matvei Maximovich, 1860–

Shmundak, D. Akuśersko-ginekologićeskaja sekcia Khark. Med. Obšćestva. Vrach. delo, 1947, 525, portr.

For biography see Akush. gin., 1947, No. 3, 62, portr.

MIROSCHEDJI, Alexandre de, 1896– *La cystostomie continente. 46p. 24cm. Par., Libr. Le François, 1941.

MIROTVORCEV, Sergej Romanovich, 1878–1949.

For biography see in Bolsh. med. encikl., 1931, **18:** 450, portr. Also Khirurgia, Moskva, 1949, No. 3, 76, portr. (Cypkin, I. L.)

For obituary see Khirurgia, Moskva, 1949, No. 10, 78–81, portr.

MIROUX, Georges, 1910– *Contribution à l'étude de la cyclodialyse dans le traitement de glaucose chronique. 54p. 8°. Par., M. Vigné, 1936.

MIROUX, Yvonne, 1907– *Contribution à l'étude de certains cancers du cavum et de leurs complications oculaires. 68p. 24cm. Par., M. Vigné, 1941.

MIROW, David Iser, 1901– *Pernocton, an obstetrical and pre-surgical analgesic [Marquette Univ.] 29p. 28cm. Milwaukee, n. p., 1932.

MIROYIANNIS, Stanley Demetrius, 1903– Microscopic anatomy. 3. ed. 64p. illust. 27½cm. Bost., the Author, 1947.

MIRRA, Guido. Raccolta di norma e disposizioni concernanti il servizio medico-legale nella R. Marina. p.433–554. 24cm. Roma, 1945.
In: Ann. med. nav., Roma, 1945, **50:**

MIRRA, Iolando, 1901– *Contribuição para o estudo medico-legal da cryoscopia do sangue. 62p. pl. diagr. ch. 8° S. Paulo, Livr. Liberdade, 1931.

MIRRI, Adelmo.
See **Gerosa, G., & Mirri, A.** La sterilità degli animali domestici. 246p. 8° Milano, 1929.

MIRROR.

See also under names of medical specialties as **Gynecology,** Instruments, etc.

—— Head mirror.

Bethea, O. W. A head band. N. Orleans M. & S. J., 1934, **86:** 735.—**Coote, F. T.** Head mirror device. U. S. Patent Off., 1948, No. 2,442,750.—**Golub, S., & Frommer, B.** Physician's head mirror. Ibid., 1940, No. 2,190,473.—**Good, R. H.** Comparison of head mirror with parallel operating light. Eye Ear &c. Month., 1934, **13:** 268.—**Lemere, H. B.** Head mirror. Tr. Am. Acad. Ophth. Otolar., 1926, **31:** 438.—**MacQuigg, R. E., & Schill, E. E.** Light for head mirrors. Ohio M. J., 1946, **42:** 599.—**Unger, M.** A new combined head-mirror and face-protector. Med. Rec., N. Y., 1914, **86:** 971.—**Whitticar, C.** Head mirror. U. S. Patent Off., 1939, No. 2,149,652.

—— Medical.

See also under names of medical mirrors as **Endoscope; Laryngoscope,** etc; also **Microscope condenser.**

Abraham, J. Der Gebrauch des Reflektors in der Hals-, Nasen- und Ohrenheilkunde. Med. Klin., Berl., 1928, **24:** 739.—**Arnesen, W. A.** Speculum. U. S. Patent Off., 1943, No. 2,320,709.—**Austin, E., Huddleston, O. L.** [et al.] A mirror for use on respirators. Arch. Phys. M., 1950, **31:** 74, illust.—**Carrez, J.** Spéculum buccal pour bovins. Rec. méd. vét. Par., 1935, **91:** 769–71.—**Dufour.** Miroir grossissant destiné à donner de bonnes images par réflexion sous l'incidence oblique. C. rend. Soc. biol., 1913, **74:** 161–3.—**Escomel, E.** Espejo laringeo con mango movible. In his Obras cient., Lima, 1929, **2:** 514.—**Fergusson's** speculum [Illust.] In: Notable Names in M. & S. (Bailey, H., & Bishop, W. J.) Lond., 1944, 69.—**Foregger, R.** Laryngeal speculum. U. S. Patent Off., 1942, No. 2,289,226.—**Gallois.** Le fixo-Clar; nouveau dispositif pour attacher les lampes sur le miroir de Clar. Rev. prat. mal. org. génitourin., Lille, 1907–08, **4:** 446.—**Heimstädt, O.** Neuerungen an Spiegelkondensoren. Zschr. wiss. Mikr., 1907, **24:** 233–42.—**Hiner, O. W.** Speculum. U. S. Patent Off., 1935, No. 2,011,445.—**Hosotani, Y.** Tyokutatu kōdai-kyō wo motte suru sinryō ni tuite [On the subject of diagnosis and treatment by the use of direct enlarging mirror] Ika-kikaigaku zassi, 1930–31, 8: 293–8.—**Lévy, A.** De l'utilisation, en ville, du miroir de Clar sans accumulateur. Progr. méd., Par., 1909, 3. ser., **25:** 361, illust.—**Miller, A.** A modified Siegel's speculum. Lancet, Lond., 1935, **2:** 81.—**Morgan, C. V.** Speculum. U. S. Patent Off., 1937, No. 2,083,573.—**Neame, H.** A modification of Arruga's speculum. Brit. J. Ophth., 1943, **27:** 310.—**Sims'** speculum [Illust.] In: Notable Names in M. & S. (Bailey, H., & Bishop, W. J.) Lond., 1944, 73.—**Wieland.** Selbstleuchtendes Spiegelgerät für den Gebrauch in Aussenpraxis und Sprechstunde. Münch. med Wschr., 1934, **81:** 1771.

—— Optics.

See also **Light,** Reflection.

Pistor, H. Die Bilderzeugung durch Spiegel. p.84–133. 25cm. Weimar, 1933.
In his Einführ. geometr. Opt., Weimar, 1933.

Bureau, F., & Swings, P. Sur le système aplanétique de deux miroirs dans le cas d'un point objet situé à distance finie. Rev. opt., Par., 1934, **13:** 127–32.—**Chatelain, Y.** Examen d'un miroir parabolique par des calibres sphériques. Ibid., 1935, **14:** 41–61.—**Clavier, J.** Détermination des facteurs de réflexion de quelques miroirs d'acier. Ibid., 1929, **8:** 379–91.—**Cohen, M. R., & Drabkin, I. E.** The theory of mirrors. In: Source Book in Greek Sc. (Cohen, M. R.) N. Y., 1948, 261–71.—**Couder, A.** Procédé d'examen d'un miroir concave non sphérique. Rev. opt., Par., 1927, **6:** 49–55.—**Févrot, C.** Caractéristique théorique d'un projecteur à miroir parabolique à source cylindrique axiale. Ibid., 1944, **23:** 261–76. —— Caractéristique théorique d'un projecteur à miroir parabolique à source cylindrique normale à l'axe focal. Ibid., 1945, **24:** 93–111.—**Hass, G.** Ueber die optischen Konstanten dicker Aluminium- und Silberschichten im Vakuum. Optik, Stuttg., 1946, **1:** 8–14.—**Hunter, R. S.** The accurate measurement of specular gloss. J. Optic. Soc. America, 1941, **31:** 758.—**Lagrula, J.** Le problème de la correction des aberrations d'un miroir par un système réfracteur auxiliaire. Rev. opt., Par., 1942, **21:** 140–50.—**Paul, M.** Sur une classe particulière d'objectifs à miroirs. Ibid., 1944, **23:** 277–84.—**Romanoff, M.** Contrôle des miroirs paraboliques par la méthode de Hartmann. Ibid., 1926, **5:** 341–62.—**Socin, A.** Sur le moyens de mettre le feu à des corps combustibles au foyer d'un miroir concave, en placant un charbon ardent, & animé par un soufflet au foyer d'un autre pareil miroir. Observations (Rozier) Par., 1785, **27:** 268–76.—**Terrien, J.** Points stigmatiques d'un miroir torique utilisé sous incidence oblique. Rev. opt., Par., 1937, **16:** 343.

—— Psychoanalytic aspect.

See also **Mirror phobia.**

Miller, M. L. Mirror dreams. Psychoanal. Q., 1948, **17:** 346–50.

—— surgical.

Bazala, W. Eine praktische Ergänzung des Franz'schen Rahmenspekulums für Bauchschnitte. Zbl. Gyn., 1942, **66:** 510–4.—**Berens, C.** An illuminated retractor speculum. Tr. Am. Acad. Ophth. Otolar., 1946–47, **51:** 302.—**Bertola, V. J.** Valva gigante. Prensa méd. argent., 1939, **26:** pt 2, 2153.—**Betts, F. A.** Surgical speculum. U. S. Patent Off., 1942, No. 2,300,040.—**Bowen, A.** Bowen speculum cup. Am. J. Surg., 1938, **42:** 435.—**Desmarais, J. H.** An improved Shuford speculum. Bull. Off. Pract., 1934–35, **8:** 215.—**Grosso, P. P.** Irrigating speculum. U. S. Patent Off., 1945, No. 2,370,459.—**Improved** rectal speculum. Tr. Am. Proct. Soc., 1934, **35:** 103.—**McGerry, J. J.** Combination speculum surgical instrument. U. S. Patent Off., 1936, No. 2,039,546.—**Mindlin, E.** Tensor mecánico para intervenciones de pelvis (tempip) Día méd., B. Air., 1945, **17:** 1067.—**Schubert, G.** Rahmenbauchspiegel. Zbl. Gyn., 1934, **58:** 2144.—**Wachenfeldt, S.** [A self-holding laparotomy speculum] Hygiea, Stockh., 1932, **94:** 885.

—— Type.

Benford, F., & Ruggles, W. A. Metallic mirrors and a new gonioreflectometer. J. Optic. Soc. America, 1941, **31:** 756. —— Some characteristics of metal mirrors and a new gonioreflectometer. Ibid., 1942, **32:** 174–84.—**Bouwers, A.** The concave spherical mirror. In his Achievem. in Optics, N. Y., 1946, 1–8.—**Bubb, F. W.** Simple construction of a parabolic mirror. J. Optic. Soc. America, 1942, **32:** 400.—**Frémont, C.** A system for preparing semi-transparent mirrors. Rev. Sc. Instrum., 1949, **20:** 620–2.—**Hoadley, H. O.** A multiple-reflection optical lever. Ibid., 30–5.—**Matui, T.** Kaiten-yō tyokutatu-kyō [Rotary direct-examination mirror] Ika-kikaigaku zassi, 1935–36, **13:** 1.—**Shive, J. N.** Investigation of the figure of small concave metal-replica mirrors. J. Optic. Soc. America, 1947, **37:** 849–51.—**Woods, R. H.** Curved mirrors; cylindrical and spherical. Eye Ear &c. Month., 1937–38, **16:** 302; 309.

MIRROR drawing [incl. tracing]

Allen, R. M. Factors in mirror drawing. J. Educ. Psychol., 1948, **39:** 216–26.—**Balinsky, B., & Stone, I. R.** High school norms for the mirror-drawing test of the six-pointed star. J. Genet. Psychol., 1940, **56:** 207–10.—**Belart, W.** Die sinnespsychologischen Grundlagen seiten- und höhenverkehrter Kinderzeichnungen. Zschr. Kinderpsychiat., Basel, 1943–44, **10:** 8–13.—**Carmichael, L.** The history of mirror drawing as a laboratory method. Pedag. Semin., Worcester, 1927, **34:** 90.—**Ewert, P. H.** Bilateral transfer in mirror-drawing. Ibid., 1926, **33:** 235–49.—**Flory, C. D.** The effect of art training on mirror drawing. J. Exp. Psychol., 1936, **19:** 99–105.—**Hall, B. E.** Transfer of training in mirror tracing. Ibid., 1939, **25:** 316–8.—**Higginson, G. D.** A mirror drawing apparatus for the instructional laboratory. J. Psychol., Provincet., 1938, **6:** 335–7.—**Moore, J. E.** The effect of art training on mirror drawing. J. Exp. Psychol., 1937, **21:** 570–8.—**Naidu, P. S.** A significant case of mirror drawing. Current Sc., Bangalore, 1941, **10:** 251–3.—**Ryan, T. A., & Schehr, F.** General practice in mirror tracing. Am. J. Psychol., 1940, **53:** 593–9.

MIRROR effect.

Mirror (The) effect. News Lett. R. Nav. Air M. School, 1947, No. 3, 22.

MIRROR image.

See also **Mirror effect.**

Gesell, A., & Ames, L. B. The infant's reaction to his mirror image. J. Genet. Psychol., 1947, **70:** 141–54.—**Steuer, E. I.**

Ueber das Nichterkennen des eigenen Spiegelbildes. Mschr. Psychiat., 1942, **106**: 294–310.

MIRROR movement.

Freiman, I. S., Micheels, L., & Kahn, R. L. A hereditary syndrome characterized by mirror movements, left handedness and organic mental defect. Tr. Am. Neur. Ass., 1949, **74**: 224–6.—**Guttmann, E., Maclay, W. S., & Stokes, A. B.** Persistent mirror-movements as a heredo-familial disorder. J. Neur. Psychiat., Lond., 1939, n. ser., **2**: 13–24.—**Johnston, P. W.** Hereditary mirror movements; report of case. Bull. Los Angeles Neur. Soc., 1948, **13**: 119–21.—**Meyer, B. C.** Report of a family exhibiting hereditary mirror movements and schizophrenia. J. Nerv. Ment. Dis., 1942, **96**: 138–52.—**Smith, C. K.** Mirror movements. Am. J. Dis. Child., 1947, **73**: 175–7.—**Stief, S., & Joó, B.** [Localization of symmetric, mirror-like movements] Gyógyászat, 1935, **75**: 147.

MIRROR phobia.

Màrtiri, A. La catòttrofobia o fobia dello specchio. Riv. crit. clin. med., 1917, **18**: 461–3.

MIRROR reading.

Bramwell, B. Mirror reading and mirror writing in a left-handed boy who suffered from epileptic fits. Clin. Stud., Edinb., 1909–10, **8**: 370.—**Downey, J. E., & Payson, E. B.** Unidextrality and mirror-reading. J. Exp. Psychol., 1917, **2**: 393–415.—**Kirk, S. A.** A study of the relation of ocular and manual preference to mirror reading. J. Genet. Psychol., 1934, **44**: 192–205.

MIRROR sign.

Almeida Prado, J. N. de. Do sinal do espelho em psiquiatria. São Paulo méd., 1943, **16**: 37–43.—**Klein, R.** Ueber eine eigenartige Spiegelreaktion im Rahmen einer senilen Demenz und über ihre Beziehung zu dem Gesamtbilde. Zschr. ges. Neur. Psychiat., 1928–29, **118**: 789–97.—**Knöös, H.** The mirror sign; a rather neglected symptom in certain mental diseases. Acta psychiat. neur., Kbh., 1937, **12**: 155–71.

MIRROR tracing.

See **Mirror drawing.**

MIRROR writing.

See also **Handedness.**

LAPRADE, A. *Contribution à l'étude de l'écriture en miroir. 58p. 8° Par., 1902.

Abély, P., & Rancoulé, M. A propos de l'écriture en miroir. Ann. méd. psychol., Par., 1937, **95**: pt 2, 768–75.—**B., T. I.** A case of mirror-writing. Guy's Hosp. Gaz., Lond., 1911, **25**: 191.—**Batt, J. C.** Mirror writing in normal adults. J. Ment. Sc., Lond., 1940, **86**: 680–7.—**Bertha, H.** Die Spiegelschrift der linken Hand; eine hirnpathologische Studie zur Frage der Leistung der rechten Grosshirnhemisphäre. Zschr. ges. Neur. Psychiat., 1942–43, **175**: 68–96.—**Blom, E. C.** Mirror-writing. Psychol. Bull., 1928, **25**: 582–94.—**Braun.** Ueber Spiegelschrift. Vjschr. gerichtl. Med., 1906, **31**: 85–9.—**Buchanan, L.** Mirror writing: with notes of a case. Ophthalmoscope, Lond., 1908, **6**: 156–9.—**Carmichael, L., & Cashman, H.** A study of mirror-writing in relation to handedness and perceptual and motor habits. J. Gen. Psychol., 1932, **6**: 296–329.—**Cénac & Hécaen, H.** D'une modalité de l'écriture en miroir. Ann. méd. psychol., Par., 1943, **101**: pt 1, 419–22.—**Chomé, N.** Deux étranges gamins. Rev. méd. Suisse rom., 1942, **62**: 882. Also Ophthalmologica, Basel, 1943, **105**: 222. ——— Inverse graphism, mirror writing and general behaviour of twins. Proc. R. Soc. M., Lond., 1945–46, **39**: 835.—**Critchley, M.** The significance of mirror writing. Ibid., 1926–27, **20**: Sect. Neur., 25–32. ——— L'écriture en miroir. Ann. méd. psychol., Par., 1929, **87**: pt 1, 323–32.—**Daumézon, G., & Gusdorf, G.** Ecriture en miroir du membre fantôme gauche d'un amputé délirant; considération sur le mécanisme hallucinatoire. Ibid., 1939, **97**: pt 1, 278–84.—**Deutsch, E.** A tükörirásról. Elme & idegkórt., 1905, 91–7.—**Drennan, M. R.** Note on binocular vision and mirror-writing. J. M. Ass. S. Africa, 1930, **4**: 34.—**Eager, R., & Fisher, J. W.** A case of pseudo-mirror-writing and some observations. Lancet, Lond., 1932, **1**: 876–81.—**Fränkel, M.** Spiegelschrift der linken Hand und Nutzen linksseitiger Schreibübung. Wien. med. Wschr., 1907, **57**: 2419–24.—**Freeman, G. L.** Studies in the psycho-physiology of transfer; bilateral practice effects in normal and mirror writing. J. Psychol., Provincet., 1938, **5**: 285–9.—**Gareiso, A.** A proposito de escritura en espejo; contribución á su estudio. Rev. Soc. med. argent., 1907, **15**: 73–88.—**Gilkey, B. G., & Parr, F. W.** An analysis of the reversal tendency of 50 selected elementary-school pupils. J. Educ. Psychol., 1944, **35**: 284–92.—**Herderschée, D.** Spiegelschrift. Psychiat. neur. bl., Amst., 1912, **16**: 57–63.—**Heymann, K.** Spiegelschrift bei Triebstörungen. Schwelz. Arch. Neur. Psychiat., 1941, **48**: 29–39.—**Ioteyko, I.** Recherches expérimentales sur la signification de l'écriture en miroir. Rev. psychol., Brux., 1909, **2**: 480–9.—**Kodama, M.** Zidō no kaku kyōei-bunzi ni tuite [Mirror-writing in children] Neurologia, Tokyo, 1933, **36**: 224–6.—**Legrün, A.** Ueber rechtshändig erzeugte Spiegelschrift. Zschr. pädag. Psychol., 1928, **29**: 255–67.—**Lévy, J. M.** L'écriture en miroir des petits écoliers. J. psychol. norm. path., Par., 1935, **32**: 443–54.—**Mirallié, C., & Denès.** Un cas d'écriture en miroir. Bull. Soc. méd. hôp. Paris, 1918, 3. ser., **42**: 1238–41.—**Morlaas, J.** Ecriture en miroir et bilatéralisme humain. Encéphale, 1939–41, **34**: pt 2, 493–516.—**Nattrass, F. J.** Inverted writing. Tr. Ophth. Soc. U. K., 1932, **52**: 565.—**Neblett, H. C.** Mirror-writing and word blindness. South. M. & S., 1941, **103**: 340.—**Ohm, J.** Umgekehrte Schrift bei einem linkshändigen Kinde. Klin. psych. nerv. Krankh., 1908, **3**: 285–90.—**Pantalone, E.** Contributo allo studio della scrittura a specchio. Riv. psicol., 1928, **24**: 98–110.—**Pauly.** Ecriture en miroir et écriture renversée de la main gauche. Lyon méd., 1907, **109**: 877–92.—**Pendred, V.** A case of mirror-writing. Lancet, Lond., 1908, **1**: 20.—**Rezende, C. de.** Escrita ao espelho. Arq. brasil. oft., 1947, **10**: 20–31.—**Riggall, F.** Mirror-writing. Univ. West. Ontario M. J., 1932–33, **3**: 49–51.—**Robinson, W.** A note on mirror-writing. Clin. J., Lond., 1929, **58**: 239.—**Sacerdote, A.** Scrittura a specchio in un ragazzo normale. Arch. psichiat., Tor., 1908, **29**: 257–63.—**Schachter.** Contribution à l'étude de l'écriture en miroir chez l'enfant. Zschr. Kinderpsychiat., Basel, 1942–43, **9**: 8–11.—**Smukler, M. E.** Mirror writing in school children. Pennsylvania M. J., 1939–40, **43**: 21–5.—**Sterling, W.** Recherches cliniques et expérimentales sur l'écriture en miroir. Encéphale, 1926, **21**: 233–49.—**Stief, A., & Csajághy-Dancz, M.** Beitrag zur zerebralen Lokalisation der Spiegelschrift. Mschr. Psychiat., 1936, **93**: 34–9. Also Orv. hetil., 1936, **80**: 503.—**Strack, M.** Mirror writing and left-handedness. Pedag. Semin., Worcester, 1892–93, **2**: 236–44.—**Wada, Y., Mōri, K.** [et al.] Kyōei bunzi syozi gensyō wo simesitaru yon rei oyobi sono seiritu kiten ni tukite no kōsatu [Ueber die in vier Fällen beobachtete Spiegelschrift-Erscheinung und ihren Entstehungsmechanismus] Psychiat. neur. jap. 1941, **45**: 409–23.—**Wegener, H.** Die Spiegelschrift. Zschr. pädag. Psychol., 1899, **1**: 254–69.

MIR-SEPASSY, Abdol-Hossein, 1907–
*Les caractères dits hystéroïdes des crises oculogyres diencéphaliques et leur signification physio-pathologique. 184p. 8° Lyon, Bosc fr., 1935.

MIRSKI, Jankiel Alter, 1905– *Herpès et chancre syphilitique. 25p. 8° Par., Jouve & cie, 1936.

MIRSKY, Isadore Arthur, 1907–
See **Kagan, S. R.** Bibliographies of the publication of eminent American physicians, v.1. v. p. 28cm. Roxbury, Mass., 1942.

MIRTO, Domenico, 1871–1948.
For anniversary volume see Zacchia, 1942, **7**:
See also **Marguglio, D.** La scuola bio-criminalista e psicoforense di Domenico Mirto. Ibid., 11–3.
For biography see Ibid., 1–10, portr. (Nicoletti, F.)
For bibliography see Ibid., 8–10.
For obituary see Arch. antrop. crim., Milano, 1948, **68**: 303. Also Gior. med., Palermo, 1948, **5**: 35. Also Zacchia, 1948, **11**: 172.

MIRTOV, Vasilij Petrovich, 1857–
Военно-санитарная организация на Бородине в августе 1912 г. p.405–54. map. tab. form. 23½cm. S. Peterb., 1913.
Voen. med. J., S. Peterb., 1913, **236**: med. spec. pt.

MIRUEIRA, Brazil.

See also **Leprosarium.**

Campos, G. G. de. A Colonia de Mirueira; moderno leprosario para doentes de lepra, em Pernambuco. Bol. Serv. nac. lepra, Rio, 1943, **2**: No. 3, 23–7.

MIRULAEUS.
See **Miroe.**

MIRVISH, Louis, ed. [M. B., 1922, Cape Town] Standard hospital diets in use at the Groote Schuur Hospital, Cape Town [Reprint] 59p. 21cm. Cape Town, P. Koston, 1943.

MIR y Ortiz, León [grad. 1923, La Habana]
For biography see Rev. méd. peru., 1934, **6**: 1663–6.

MIRZAI, Zeinol Abedine Khan, 1906–
*Les rapports de la rétrodéviation de l'utérus et de la stérilité. 81p. 8° Par., L. Rodstein, 1935.

MISANTHROPY.

See also **Misogyny; Misopedia.**

Heidenhain, A. Beitrag zur Psychologie des Menschenhasses auf Grund pathographischer Untersuchungen über Jonathan Swift. Zschr. ges. Neur. Psychiat., 1933, **144**: 189–97.

MISCALL, Laurence, 1904–
See **Maynard, L., & Miscall, L.** Bellevue. 280p. 22½cm. N. Y., 1940.

MISCAREA medicală română; revistă lunară de medicină generală. Craiova, v.**8,** 1936–

MISCARRIAGE.

See **Abortion.**

MISCAULT, Henri de, 1911– *L'heure H en obstétrique. 39p. 25cm. Nancy, A. Tollard, 1937.

MISCEGENATION.

See also **Marriage** subheadings (Intermarriage; Racial aspect) also names of races as **Chinese; Indian; Jew;** etc.; also under names of hybrids as **Mestizo,** etc.

Lundborg, H. B. Die Rassenmischung beim Menschen, mit gebührender Berücksichtigung analoger Verhältnisse bei Pflanzen und Tieren. p.1–226. 25cm. 's-Gravenh., 1931.
Bibliogr.: p. 171–214.
Bibliogr. genet., 's-Gravenh., 1931, **8:**

Paris, France. Société d'anthropologie. Enquête sur les croisements ethniques. p.337–406. 24½cm. Par., 1912.
Rev. anthrop., Par., 1912, **22:**

Reuter, E. B. Race mixture; studies in intermarriage and miscegenation. 224p. 8° N. Y., 1931.

Amalgamation of races. J. Med. Pract., 1936, **1:** 84.—**Hooton, E. A.** Progress in the study of race mixtures, with special reference to work carried on at Harvard University. Proc. Am. Philos. Soc., 1926, **65:** 312–25.—**Mixing** (The) of races. J. Trop. M. Hyg., Lond., 1917, **20:** 110–12.

—— Anthropological and ethnological aspects.

Biedenkapp, G. Wilhelm Jordan über Rassenmischung. Polit. anthrop. Rev., 1909–10, **8:** 42–7.—**Fischer, E.** Zur Frage der Kreuzungen beim Menschen. Arch. Rassenb., 1912, **9:** 8.—**Kern, F.** Rassenmischung und Rasseninstinkt. Zschr. Sexwiss., 1928–29, **15:** 449–51.—**Scheidt, W.** Annahme und Nachweis von Rassenvermischung. Zschr. Morph. Anthrop., 1928–29, **27:** 94–116.—**Schultz, B. K.** Die rassebiologische Diagnostik. In: Handb. jugendärztl. Arb. (Zeller, W.) Lpz., Bd 1, 1938, 95–106.

—— Cultural and social aspect.

Davis, A., Gardner, B. B., & Gardner, M. R. Deep South; a social anthropological study of caste and class. 558p. 20cm. Chic., 1941.

Warner, W. L., Junker, B. H., & Adams, W. A. Color and human nature. 303p. 23½cm. Wash., 1941.

Bastide, R. O complexo da senhora branca. Rev. Arq. mun., S. Paulo, 1942–43, **8:** No. 90, 33–44.—**Berkeley-Hill, O. A. R.** The color question from a psychoanalytic standpoint. Psychoanal., Rev., 1924, **11:** 246–53.—**Bovell, G. B.** Psychological considerations of color conflicts among Negroes. Ibid., 1943, **30:** 447–59.—**Castle, W. E.** Biological and social consequences of race-crossing. Am. J. Phys. Anthrop., 1926, **9:** 145–56.—**Cox, O. C.** Race and caste; a distinction. Am. J. Sociol., 1944–45, **50:** 360–8.—**Dickinson, A.** Race mixture; a social or a biological problem? Eugen. Rev., Lond., 1949–50, **41:** 81–5.—**Hughes, E. C.** Dilemmas and contradictions of status. Am. J. Sociol., 1944–45, **50:** 353–9.—**Johnson, C. S.** Color value judgments of rural Negro youth, by sex. In his Growing Up in the Black Belt, Wash., 1941, 260. ——— Conflicts based upon color. Ibid., 267–72.—**King, H. D.** Miscegenation; an old social problem revived. N. Orleans M. & S. J., 1913–14, 535–40; Disc., 552.—**Kingsley, H. L., & Carbone, M.** Attitudes of Italian-Americans toward race prejudice. J. Abnorm. Psychol., 1938, **33:** 532–7.—**Klineberg, O.** The problem of race mixture. In his Social Psychol., N. Y., 1940, 306–11.—**Little, K. L.** A note on colour prejudice amongst the English middle class. Man, Lond., 1943, **43:** 104–7.—**Marks, E. S.** Skin color judgments of Negro college students. J. Abnorm. Psychol., 1943, **38:** 370–6.—**Montagu, M. F. A.** The creative power of ethnic mixture. Psychiatry, Balt., 1942, **5:** 523–36.—**Myers, H. J., & Yochelson, L.** Color denial in the Negro; a preliminary report. Ibid., 1948, **11:** 39–46.—**Rogers, S. L.** Comas, J. El mestizaje y su importancia social [Bk Rev.] Bol. bibliogr. antrop. amer., Méx. (1943–44) 1946, **7:** 128–30.—**Younghusband, F.** Inter-racial relations. Sociol. Rev., Lond., 1910, **3:** 150–5.

—— Eugenic aspect.

Hildebrandt, W. Rassenmischung und Krankheit. 122p. 8° Stuttg., 1935.

Marchaud, H. J. *L'évolution de l'idée eugénique. 161p. 25½cm. Bord., 1933.

Miller, V. The man-plant or, scheme for increasing and improving the British breed. 2. ed. 50p. 20cm. Lond., 1752.

Móseidés, M. M. *Εὐγονικὴ καὶ παιδοκομία παρὰ τοῖς ἀρχαίοις Ἕλλησιν.* 53p. 22cm. Athénai, 1925.

Walker, A. Intermarriage; or, The mode in which, and the causes why, beauty, health and intellect, result from certain unions, and deformity, disease and insanity from others. New ed. 384p. 19½cm. Phila., 1853.

Aikman, K. B. Race mixture. Eugen. Rev., Lond., 1933, **25:** 161–6.—**Austregesilo, A.** Higiene mental e mistiçagem. Cult. méd., Rio, 1945–46, **7:** 3–10.—**Barksdale, N. P.** Psychic instability and the race question. Psyche, Lond., 1927, **8:** 86–94.—**Barnes, E. W.** The mixing of races and social decay. Eugen. Rev., Lond., 1949–50, **41:** 11–6; Disc., 28–31.—**Davenport, C. B.** Race crossing in man. Discours Conf. Internat. Feder. Eugen. Org. (1927) 1928, 6. Conf., 9–14.—**Feldman, W.** Ancient Jewish eugenics. In: Med. Leaves, 1939 (Levinson, A.) Chic., 28–37.—**Freyaldenhoven, W.** Die rassenhygienischen und bevölkerungpolitischen Gedanken des Aristoteles im Vergleich mit denen Platons. Arch. Rassenb., 1942–43, **36:** 1–26.—**Govaerts, A.** La question eugénique. Discours Conf. Internat. Feder. Eugen. Org. (1927) 1928, 6. Conf., 22–7.—**Guyénot, E. L. C.** Avantages et dangers du métissage. In his Probl. de la vie, Genève, 1946, 139–42.—**Mjöen, J. A.** Biological consequences of race-crossing. J. Hered., 1926, **17:** 175–82. ——— Rassenmischung bei Menschen. Discours Conf. Internat. Feder. Eugen. Org. (1927) 1928, 6. Conf., 14–22. ——— Rassenkreuzung beim Menschen. Volk & Rasse, 1928, **3:** 164; 1929, **4:** 72.—**Müller, R. F. G.** Eine Konstitutionslehre der altindischen Medizin. Zschr. Rassenphysiol., 1941, **12:** 59–72.—**Nilsson-Ehle, H.** Rassenkreuzungen aus allgemein biologischem Gesichtspunkt. Discours Conf. Internat. Feder. Eugen. Org. (1927) 1928, 6. Conf., 3–9. Also Genetica, Gravenh., 1928, **11:** 213–24.—**Silverman, S. L.** Does miscegenation cause dental irregularities? Am. Dent. J., 1910, **9:** 476–80.—**Slater, E.** A note on Jewish-Christian intermarriage. Eugen. Rev., Lond., 1947–48, **39:** 17–21.—**Tschermak-Seysenegg, A. v.** Ueber die Gefahren der Rassenmischung. Wien. Arch. inn. Med., 1944–45, **38:** 36–48.—**Winslow, C. E. A., & Wang, P. L.** The relation between changes in nationality stock and increasing death rates in adult life. Am. J. Hyg., 1931, **14:** 79–88.

—— Fertility.

Marcuse, M. Ueber die Fruchtbarkeit der christlich-jüdischen Mischehe. 20p. 25½cm. Bonn, 1920.
Forms No. 4, v.**2,** Abh. Sexforsch., 1919–20.

—— Genetic aspect.

Boyd, W. C. Gene frequencies and race mixture. Am. J. Phys. Anthrop., 1949, **7:** 587–93.—**Bunak, V. V.** [Certain cases of variability in the mean values of characteristics in mixing populations] Proc. Maxim Gorky Med. Genet. Res. Inst., Moskva, 1936, **4:** 237–53.—**Davenport, C. B.** The influence of economic conditions on the mixture of races. Zschr. Rassenk., 1935, **1:** 17–9.—**Federley, H.** Chromosomenverhältnisse bei Mischlingen. Med. Klin., Berl., 1927, **23:** 1751.—**Gates, R. R.** Vererbung bei Rassenkreuzung beim Menschen. Ibid., 1751. ——— More black babies. J. Hered., 1948, **39:** 232.—**Glass, H. B.** Genetical exposure of the race myth. Sc. Month., 1943, **57:** 175–7.—**Herskovits, M. J.** Variability and racial mixture. Am. Naturalist, 1927, **61:** 68–81.—**Meller, G. I.** [Variability in populations of racial hybrids] Proc. Maxim Gorky Med. Genet. Res. Inst., Moskva, 1936, **4:** 213–36.—**Montagu, M. F. A.** The concept of race in the human species in the light of genetics. J. Hered., 1941, **32:** 243–7.—**Saller, K.** Rassenkreuzung beim Menschen. Grenzgeb. Med., 1948, **1:** 202–6.—**Scheidt, W.** Untersuchungen über Rassenmischung; Rassenpolymerie. Arch. Rassenb., 1929, **22:** 255–69.

—— Hybrid.

See also names of human hybrids as **Mestizo,** etc.; also **Hybrid; Hybridity; Hybridization.**

Tao, Y. K. Chinesen-Europäcrinnen-Kreuzung (anthropologische Untersuchungen an F_1-Mischlingen) p.349–408. 24cm. Stuttg., 1935.
Zschr. Morph. Anthrop., 1934–35, **33:**

WIRTH, L., & GOLDHAMER, H. The hybrid and the problem of miscegenation. p.251–369. 24cm. N. Y., 1944.

In: Charact. Am. Negro (Klineberg, O.)

Bérillon. Influence des croisements dans les races humaines et sur la mentalité des produits. Rev. path. comp., Par., 1917, **17:** 326–31.—**Engerrand, J.** Note sur deux enfants nés d'un chinois et d'une mexicaine de race blanche. Rev. anthrop., Par., 1912, **22:** 122–5.—**Mitui, T.** Konketu wo tyūsin-tosita hihu, tōhatu, kōsai no sikityō ni tuite [The tone of colou of skin, hair, and eyes, with special reference to blood mixtures (racial intermarriage)] Rinsyō ihō, 1947, **1:** 213–6.—**Muller, H. J.** On the variability of mixed races. Am. Natur., 1936, **70:** 409–42.—**Reade, J.** The half-breed. Proc. R. Soc. Canada (1885) 1886, **3:** Sect. 2, 1–21.—**Stern, C.** The skin color of children from white by near-white marriages. J. Hered., 1947, **38:** 233.—**Usuelli, F., & Pelizza, P.** Sviluppo somatico, variabilità e correlazioni nell'architettura esterna nei prodotti dell'incrocio di prima generazione. Riv. biol., 1936, **21:** 386–400, 2 pl.—**Wallis, W. D.** Variability in race hybrids. Am. Anthrop., 1938, **40:** 680–97.—**Woodbridge, H. C.** Glossary of names used in colonial Latin America for crosses among Indians, Negroes, and whites. J. Washington Acad. Sc., 1948, **38:** 353–62.

—— Legislation.

ESPENSCHIED, R. *Rassenhygienische Eheverbote und Ehebeschränkungen aus allen Völkern und Zeiten [Freiburg i. B.] 83p. 21cm. Stuttg., 1937 [?]

GIRARD, J. *Considérations sur la loi eugénique allemande du 14 Juillet 1933. 78p. 24cm. Strasb., 1934.

UNITED STATES. CONGRESS. HOUSE OF REPRESENTATIVES. A bill defining the status of children born of a marriage between a white man and an Indian woman, and for other purposes. Introd. by Mr. Flynn. l. 8° Wash., 1896.

54. Congr., 2. Sess., H. R. 9668, Dec. 16, 1896.

Coulon, M. Le nouveau code pénal italien; l'intégrité et la santé de la race. Hippocrate, Par., 1934, **2:** 81–6.—**Dubitscher, F.** Reichsbürgergesetz und Gesetz zum Schutze des deutschen Blutes und der deutschen Ehre (Blutschutzgesetz) In: Grundr. Hyg. (Flügge, C.) 11. Aufl., Berl., 1940, 79–84.—**Halte** Dein Blut rein! Aerztebl. Hessen, 1940, **8:** 359.—**Krehan.** Der Widerspruch des Mischlingsehegatten nach 55 EheG. Deut. Recht, 1943, **13:** 342.—**Laws** to restrict miscegenation. J. Hered., 1916, **7:** 202.—**Leers, J. v.** Rassenrecht in U. S. A. Deut. med. Wschr., 1942, **68:** 967–70.—**Pokorny, J.** Aufforderung zur Ergreifung von Massnahmen gegen eheliche und uneheliche Vermischung der weissen und der farbigen Rassen. Verh. Ges. deut. Naturforsch., 1913, **85:** 2. Teil, 777.—**Regnault, F.** La aversión contra los cruzamientos que pueden alterar la pureza de la raza; existen razas puras? Las razas físicas y las etnías mentales no deben ser confundidas; cómo el Fuhrer considera el arte prehistórico. Rev. mod. med. cir., Par., 1939, **37:** 33–6.—**Ruiz Funes, M.** Epitafio de una ley nacional-socialista. Arch. méd. mex., 1945, **3:** 172–80.—**Steinwallner, B.** Neues vom ungarischen Rassenrecht. Erbarzt, 1941, **9:** 38. ——— Neue rassenpolitische Regelungen in Ungarn. Ibid., 1944, **12:** 106.—**Wittelshoefer, F. J.** German eugenic legislation in peace and war. Eugen. Rev., Lond., 1942, **34:** 91.

—— National aspect.

See also **Emigration; Migration.**

BENEDICT, R. F. Race: science and politics. 274p. 21cm. N. Y., 1940. ALSO Rev. ed. 273p. 19½cm. N. Y., 1943.

——— Race and racism. 175p. 19½cm. Lond., 1942.

DAHLBERG, G. An examination of the biological credentials of the Nazi creed: Race, reason and rubbish. 240p. 20cm. Lond., 1942.

FRIEHE, A. Was muss der Nationalsozialist von der Vererbung wissen? 5. Aufl. 80p. 23cm. Frankf. a. M., 1937.

SIEMENS, H. W. Grundzüge der Vererbungslehre; Rassenhygiene und Bevölkerungspolitik. 9. Aufl. 203p. 19½cm. Münch., 1940.

Beltran, E. El problema de las razas. In his Probl. biol., Monterrey, 1945, 131–60.—**Burlingame, L. L.** Race problems. In his Hered. & Social Probl., N. Y., 1940, 237–57.—**C., R.** Genic and cultural erosion in America. J. Hered., 1946, **37:** 74–80.—**Huxley, J.** The race problem. Proc. R. Inst. Gr. Britain, 1936, **29:** pt 2, 253–5.—**Kallmann, F. J.** The scientific goal in the prevention of hereditary mental disease and racial inferiority. Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 172.—**Keith, A.** Racialism; its nature and its prevalence in South Africa. In his New Theory of Hum. Evol., N. Y., 1949, 353–63.—**Kopp, W.** Der Rassengedanke als Grundlage der nationalsozialistischen Rechtserneuerung. Biologe, Münch. 1939, **8:** 80.—**Kraut, D. W.** Rassenpolitik und Genealogie. Ibid., 81.—**Labignette, P.** Racisme, eugénisme et génétique. Concours méd., 1946, **68:** 825.—**Mészáros, E.** A tisztiorvos szerepe fajvédelmi törekvéseinkben. Népegészségügy, 1942, **23:** 1211–3.—**Nachtsheim, H.** Rassereinheit und Rassenmischung; zur Kritik der nationalsozialistischen Rassentheorie. Deut. Gesundhwes., 1947, **2:** 148–54.—**Paulsen, J.** Politische Entwicklungsrichtungen in den europäischen Völkern. Arch. Rassenb., 1939, **33:** 224–31.—**Perondi, G. G.** Politica della razza. Difesa sociale, 1940, **19:** 383–92.—**Vellguth.** Aktuelle Fragen zur Rassenpolitik. Wien. med. Wschr., 1942, **92:** 359.

—— by countries.

ROGERS, J. A. Sex and race; Negro-Caucasian mixing in all ages and all lands. 3v. illust., portr. 24cm. N. Y., 1940–44.

Holbé, T. V. Métissage et métis, in orbe. Bull. Soc. anthrop. Paris, 1910, 336–44.—**[Paris]** Société d'anthropologie de Paris. Questionnaire sur les métis. Ibid., 1908, 5. ser., **9:** 688–93.—**Rodenwaldt, E.** Die Rückwirkung der Rassenmischung in den Kolonialländern auf Europa. Arch. Rassenb., 1938, **32:** 385–96.

—— by countries: Africa.

Friedrich, J. Ueber Mischehen zwischen Weissen und Farbigen in den deutschen Schutzgebieten. Polit. anthrop. Rev., 1912–13, **11:** 432–8.—**Miscegenation** in South Africa. Nature, Lond., 1940, **146:** 357.—**Scotti, P.** L'ibridismo fra negri e pigmei centroafricani. Riv. biol. colon., Roma, 1939, **2:** 413–23, illust.—**Young, T. C.** Tribal intermixture in Northern Nyasaland. J. R. Anthrop. Inst. Gr. Britain, 1933, **63:** 1–18.

—— by countries: America.

COMAS, J. El mestizaje. 12p. 19cm. Méx., 1943.

Alcázar Ojeda, H. Los problemas de mestizaje. Eugenesia, Méx., 1944, **5:** No. 53, 6–14.—**Córdova y Quesada, A.** Influencia que sobre la constitución psicológica del pueblo cubano pudiera haber ejercido la mezcla de estas razas. In his Locura en Cuba, La Habana, 1940, 46–8.—**Fantham, H. B., & Porter, A.** Some cases of race admixture observed in Canada. Eugen. News, 1938, **23:** 92–102.—**Fehlinger.** Rassenkreuzung in Amerika. Naturwiss. Wschr., 1906, **21:** 471.—**Hauschild, R.** Rassenkreuzungen zwischen Negern und Chinesen auf Trinidad. C. rend. Congr. internat. sc. anthrop. (1938) 1939, 2. Congr., 189.—**Morales Coello, J.** El mestizaje en Cuba. An. Acad. cienc. méd. Habana, 1941–42, **80:** 114–25.—**Nuestra** encuesta sobre el problema racial; respuestas del Sr. Antenor Orrego, del Dr. Luis E. Valcarel, del Prof. Dr. Pedro Weiss. Rev. estud. med., Lima, 1940, **4:** No. 4, 32–46.—**Sereno, R.** Cryptomelanism; a study of color relations and personal insecurity in Puerto Rico. Psychiatry, Balt., 1947, **10:** 261–9.

—— by countries: America—South America.

Austregésilo, A. A mistiçagem no Brasil. Impr. méd., Rio, 1946–47, **22:** No. 391, 25–30.—**Bastide, R.** Introdução ao estudo de alguns complexos afro-brasileiros. Rev. Arq. mun., S. Paulo, 1942–43, **8:** No. 90, 7–54.—**Cerqueira, L.** Brancos, pretos e pardos da Bahia. Arq. Univ. Bahia Fac. med., 1947, **2:** 85–113.—**Costa Eduardo, O. da.** The Negro in northern Brazil; a study in acculturation. Summaries Doct. Diss. Northwest. Univ., 1945, **13:** 37–42.—**Estudo** sôbre os negros. Rev. Arq. mun., S. Paulo, 1942–43, **8:** No. 87, 123.—**Herskovits, M. J.** Os pontos mais meridionais dos africanismos do Novo Mundo. Ibid., 1943–44, **9:** No. 95, 81–99.—**Krieg, H.** Indianer, Mischlinge und Weisse im Innern Südamerikas. Forsch. & Fortsch., 1936, **12:** 143.—**Krieger, H.** Die Rassenfrage in Brasilien; ein kritischer Ueberblick unter besonderer Berücksichtigung der Gesetzgebung und des Schrifttums. Arch. Rassenb., 1940–41, **34:** 9–54, 4 pl.—**Lacerda, J. B. de.** The Metis, or half-breeds, of Brazil. Papers Univ. Races Congr., Lond., 1911, **1:** 377–82.—**Lemos, J. de.** Considerações sintheticas sobre o problema ethnologico. Arch. brasil. med., 1931, **21:** 150–8.—**Lowrie, S. H.** Racial and national intermarriage in a Brazilian city. Am. J. Sociol., 1938–39, **44:** 684–707.—**Milliet, S.** A propósito de Negros no Brasil. Rev. Arq. mun., S. Paulo, 1942–43, **8:** No. 87, 121–3.—**Padua, C. T. de.** O Negro em São Paulo. Ibid., 1941, **7:** No. 77, 201–20.—**Pierson, D.** Os Africanos da Baía. Ibid., No. 78, 39–64, 2 pl. ——— Casamento inter-racial na Baía. Ibid., 1943–44, **9:** No. 91, 39–50. ——— The Brazilian racial situation. Sc. Month., 1944, **58:** 227–32.—**Ramos, A.** Aculturação negra no Brasil; uma escola brasileira. Rev. Arq. mun., S. Paulo, 1942–43, **8:** 129–58.—**Santos Filho, L.** O negro brasileiro e a medicina. Bol. Soc. med. cir. Campinas, 1940, **1:** 168–70.—**Schaeuble, J.** Indianer-Europäermischlinge in Südchile. C. rend. Congr. internat. sc. anthrop. (1938) 1939,

2. Congr., 190.—**Silveira Thomaz, J., & Peixoto Nogueira, O.** Aspétos antropofísicos de um grupo de escolares brasileiros, filhos de israelitas. Cult. méd., Rio, 1944–45, **6:** 419–48.—**Thales de Azevedo.** Um aspecto da mestiçagem na Bahia. Rev. Arq. mun., S. Paulo, 1945, **11:** No. 101, 45–52.—**Willems, E.** Racial attitudes in Brazil. Am. J. Sociol., 1948–49. **54:** 402–8.

—— by countries: America—United States.

Hill, J. L. Negro, national asset or liability? (the battle of the bloods) 233p. 8° N. Y., 1930.

Shannon, A. H. The negro in Washington; a study in race amalgamation. 332p. 8° N. Y., 1930.

Wirth, L., & Goldhamer, H. The hybrid and the problem of miscegenation. p.249–369. 24cm. N. Y., 1944.

In: Charact. Am. Negro (Klineberg, O.)

Burma, J. H. The measurement of Negro passing. Am. J. Sociol., 1946–47, **52:** 18–22.—**De Porte, J. V.** Fusion of the racial elements of the American people as observed in the State of New York. Congr. internat. popul. (1937) 1938, 1. Congr., **3:** 70–88.—**Du Bois, W. E. B.** Die Negerfrage in den Vereinigten Staaten. Arch. Sozialwiss., 1906, **22:** 31–79.—**Eckard, E. W.** How many Negroes pass? Am. J. Sociol., 1946–47, **52:** 498–500.—**Fehlinger, H.** Die Neger in den Vereinigten Staaten. Polit. anthrop. Rev., 1907, **6:** 363.—**Gerhard, H.** Die Negerfrage in den Vereinigten Staaten. Ibid., 1906, **5:** 268–81.—**Gilbert, W. H.,** jr. The Wesorts of southern Maryland; an outcasted group. J. Washington Acad. Sc., 1945, **35:** 237–46. ——— Mixed bloods of the upper Monongahela Valley, West Virginia. Ibid., 1946, **36:** 1–13.—**Goldstein, M. S.** Kelly, A. R. Physical anthropology of a Mexican population in Texas; a study in race mixture [Bk Rev.] Am. Anthrop., 1950, **52:** 95.—**Hellmer-Wullen, H.** Rassenchaos und Negerproblem in Amerika. Arch. Rassenb., 1937, **31:** 28–33.—**Herskovits, M. J.** Social selection in a mixed population. Proc. U. S. Nat. Acad. Sc., 1926, **12:** 587–93. ——— The Negro in the New World. Am. Anthrop., 1930, **32:** 145–55.—**Hoggan, F.** The American Negro and race blending. Sociol. Rev., Lond., 1909, **2:** 349–60.—**Intermarriage** among national groups increasing. Statist. Bull. Metrop. Life Insur., 1946, **27:** No. 5, 4.—**Jenks, A. E.** Some aspects of the Negro problem. Science, 1912, n. ser., **35:** 667.—**Jervey, J. W.** The passing of the Negro. Tr. Tristate M. Ass., Carolinas & Virginia, 1903, **5:** 219; 1904, **6:** 115.—**Lewis, J. H.** Race intermixture. In his Biol. Negro, Chic., 1942, 9–11.—**Lydston, G. F.** The Negro; America's special problem in eugenics. South California Pract., 1914, **29:** 334–6.—**Men** in the Armed Forces stationed in Trinidad are marrying native girls. J. Am. M. Ass., 1942, **119:** 1235.—**Merritt-Hawkes, O. A.** The Leunbach family; a Danish family with American Indian blood. J. Hered., 1929, **20:** 469–79.—**Nelson, L.** Intermarriage among nationality groups in a rural area of Minnesota. Am. J. Sociol., 1942–43, **48:** 585–92.—**Panunzio, C.** Intermarriage in Los Angeles, 1924–33. Ibid., 1941–42, **47:** 690–701.—**Peters, S.** The Negro and race integrity. Eugen. News, 1935, **20:** 29.—**Reid, I. D.** Intermarriage. In his Negro. Immigr., N. Y., 1939, 143.

—— by countries: Asia.

Adams, R. Interracial marriage in Hawaii. 353p. 8° N. Y., 1937.

Clauss, L. F. Levantisierung. Zschr. Menschenk., 1928, **4:** 65–77, 4pl.—**Fischer, E.** Europäer-Polynesier-Kreuzung. Zschr. Morph. Anthrop., 1930, **28:** 205–9, 2pl.—**Guha, B. S.** Die rassenmässige Zusammensetzung der Indo-Arier und die Rassenmischung in Indien. Forsch. & Fortsch., 1936, **12:** 333–7, illust.—**Krauss, W. W.** Race crossing in Hawaii; a summary of 6 years of research. J. Hered., 1941, **32:** 370–8.—**Kudō, T., Hurukawa, I.,** & **Kaneko, K.** Hakuzin oyobi kokuzin to nippon huzin to no konketu taizi [The fetuses of mixed blood of Japanese women and Caucasians and Japanese women and Negroes] Igaku & seibutugaku, 1947, **10:** 179–81.—**Lorden, D. M.** The Chinese-Hawaiian family. Am. J. Sociol., 1934–35, **40:** 453–63.—**Neuville, H.** Les métissages de l'île Pitcairn. Anthropologie, Par., 1933–34, **43:** 267–88.—**Pretzel, R.** A special type of mixed marriages in Israel. Internat. J. Sex., Bombay, 1949–50, **3:** 191.—**Roest, P. K.** [Race-crossing in Java] Geneesk. tschr. Ned. Indië, 1930, **70:** 897–914.

—— by countries: Australia.

Price, A. G. The increase in white-aboriginal mixed bloods. Med. J. Australia, 1946, **2:** 557.

—— by countries: Europe.

Zerlotto, L. La generazione causa fisica d'incivilimento in occasione delle nozze Namias-Gorinaldi. 7p. 23½cm. Verona, 1840.

Bañuelos García, M. Mezclas raciales e influjos del medio ambiente. In his Antrop. actual español., Barcel., 1941, 154–61, illust.—**Castellino, N.** Dignità di razza e sangue nisti. Fol. med., Nap., 1942, **28:** 125–8.—**Göllner, H.** Judentaufen und Mischehen. Deut. Aerztebl., 1936, **66:** 259–63.—**Homann, H.,** & **Scheidt, W.** Annahme und Nachweis von Rassenvermischung in nordeuropäischen Bevölkerungen. Arch. Rassenb., 1929, **22:** 245–54.—**Little, K. L.** Racial mixture in Great Britain; some anthropological characteristics of the Anglo-Negroid cross. Eugen. Rev., Lond., 1941–42, **33:** 112–20. ——— Some anthropological characteristics of Anglo-Negro children; an aspect of racial mixture in Britain. J. R. Anthrop. Inst. Gr. Britain, 1943, **73:** 57–73.—**Reichert, F.** Juden und jüdische Mischlinge im Deutschen Reich. Deut. Aerztebl., 1940, **70:** 322–5.—**Stołyhwowa, E.** Zagadnienie krzyżowania ras ludzkich. Zagadn. rasy, 1937, **11:** 3–18.—**Verschuer, O. v.** Die Juden und jüdischen Mischlinge im Deutschen Reich. Erbarzt, 1940, **8:** 162.—**Wap, J. J.** [Race mixture in the population of Middelburg] Ned. tschr. gencesk., 1921, **65:** pt 2, 2777–85.

—— in animals.

See also **Hybrid; Hybridity; Hybridization.**

Falkenström, G. Some animal species-crossings in nature with analyses of similar ones in cultures, together with some fundamental questions discussed. p.217–84. 24½cm. 's-Gravenh., 1938.

Genetica, Gravenh., 1938, **20:**

Castle, W. E. Dog crosses and human crosses; a review. J. Hered., 1942, **33:** 249–52.—**Klatt, B.** Ueber Kreuzungen extremer Hunderassen und ihre Bedeutung für das Konstitutionsproblem beim Menschen. Aerztl. Wschr., 1946–47, **1:**–**2:** 669.

—— in plants.

See **Hybrid.**

MISCELANEA militar Mejicana; pub. by Joaquin & Bernardo de Miramón. v.**1** [nos. 1–20] vi, 384p. 15cm. Méx., Torreblanca, 1820.

MISCELLANEA curiosa medico-physico historica; das ist, Allerhand vermischte curieuse medicinische, physicalische und historische Piecen; von einem Liebhaber solcher Wissenschaften. 8 p. l., 208p. 17cm. n. p., n. p., 1725.

CONTENTS

Wassernixen.—Alpentraum.—Irrlicht.—Schwanengesang.—Zigeunern.—Kraft der Einbildung.—Sprache der Tiere.—Hermaphroditen., etc.

MISCELLANEA medico-physica Academiae naturae curiosorum Germaniae.

See **Halle. Leopoldinisch-Carolinische deutsche Akademie der Naturforscher.** Miscellanea medico-physica Academiae naturae curiosorum Germaniae. 335p. 23½cm. Par., 1672.

MISCELLANEA di studi e ricerche storico-mediche; [edito da l'] Istituto per la storia della medicina. 165p. 26½cm. Roma, Arte & storia, 1942.

MISCELLANEOUS Contributions on the Costs of Medical Care.

See **[United States] Committee on the Costs of Medical Care, Washington.** Miscellaneous contributions. N. Y., No. 1–13, 1930–33.

MISCH, Elisabeth, 1917– *Beitrag zur Frage der Altersbestimmung der haematogenen Nierentuberkulose. 41p. diagr. 22½cm. Zür., Gebr. Leemann & Co., 1944.

MISCH, Eva, 1911– *Klinische Beobachtungen über die Bronchiektasie im Kindesalter. 68p. 21cm. Münster i. W., M. Kramer, 1936.

MISCH, Julius, 1874– Lehrbuch der Grenzgebiete der Medizin und Zahnheilkunde, unter Mitarbeit von O. Buttner. 2. Aufl. 2v. xvi, 691p.; x, 672p. illust. pl. 8° Lpz., F. C. W. Vogel, 1922.

MISCHKE, Hildegard, 1905– *Bedeutung von Anlage und Milieu bei weiblichen Fürsorgezöglingen Mecklenburgs [Rostock] 61p. 8° Wertheim., E. Bechstein, 1932.

MISCHKINSKY, Isachar. *Ueber traumatische Hydronephrosenruptur [Basel] 25p. 8° Strasb., Ed. Universitaires, 1926.

MISCHKOWSKI, Leo, 1899– *Ueber die Oetvös'sche Atropinprobe beim Geschwür des Magens und Zwölffingerdarms. 18p. 8° Königsb. i. P., J. Raabe, 1926.

MISCHKOWSKI, Maria Wera, 1912– *Veränderungen des Unterkiefers nach Tragen orthopädischer Apparate. 23p. 20½cm. Königsb. i. P., J. Raabe, 1937.

MISCHKOWSKI, Meta Helene, 1910– *Ueber Komplikationen bei Fremdkörpern in Speise- und Luftwegen. 35p. pl. 8° Königsb. i. P., J. Raabe, 1936.

MISCHKOWSKY, Rudolf, 1906– *Ueber die anatomischen Grundlagen der pathologischen Verlagerungen des Mediastinums. 20p. 8° Berl., Studentenwerk, 1933.

MISCHNAT, Johannes, 1900– *Ueber Folgeerscheinungen der totalen Pankreasexstirpation beim Hunde [Bonn] p.94–110. 8° Berl., J. Springer, 1932.
Also Arch. exp. Path., Berl., 1932, **170:**

MISCHNER, Ernst Ferdinand, 1835–1914.
For obituary see Berl. homöop. Zschr., 1914, **5:** 299.

MISDORF, Helmut, 1902– *Zur Physiologie der Phonorezeption bei den Batrachiern. p.209–16. 8° Lpz., A. Pries, 1928.
Also Ber. math. phys. Kl. Sächs. Akad. Wiss. Leipzig, 1928. **80:**

MISE, Syūzō, 1839–77.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 51.

MISENHEIMER, Theodore F., 1852–1915.
For obituary see Tr. M. Soc. N. Carolina, 1915, **62:** 345.

MISES, Emmanuel, 1911– *La lipomatose symétrique multiple. 124p. 8° Lyon, Bosc fr., 1935.

MISFELDT, Kjeld Brøchner, 1905–
For biography see in Danske laegestand, 11. udg., Kbh., 1936, 689, portr.

MISGELD, Gerhardt Christian, 1913– *Ein Fall chronischer Ruhr nach Infektion mit dem Bacillus dysenteriae (Kruse-Sonne) 37p. tab. 23cm. Berl., R. Pfau, 1941.

MISGELD, Wilhelm, 1903– *Ueber Kryptorchismus [Marburg] 63, xxii p. 8° Kaldenkirchen, T. Meeuws, 1931.

MISHAAN Pinto, César S. *Consideraciones sobre el estudio del banco de sangre y de la transfusión sanguínea en el Hospital general de Guatemala. 185p. illust. map. plan. form. 27½cm. Guatemala, Centro ed., 1945.

MISHCHENKO, Konstantin Pavlovich, 1901–
For biography see in Biogr. slov. professor. Leningrad. med. inst., 1947, 81, portr.

MISHKIS, Meyer Samuel, 1889– *Studies of bromides and chlorides in blood and cerebrospinal fluid. 32p. diagr. 24cm. Chic., Univ. Chicago Libr., 1935.

MISHORY, Moshe. *Le sort du bourgeon incisif dans l'opération du bec-de-lièvre bilatéral total. 17p. pl. 8° Genève, Impr. Soullier, 1936.

MISHURIS, Bernard E., 1908– *Les grossesses prolongées et les moyens de les terminer. 36p. 8° Lausanne [n. p.] 1935.

MISIEWICZOWNA, Janina.
See **Semerau-Siemianowski, M. M. J.,** & **Misiewiczówna, J.** O skazach krowtocznych. p.452–511. 24cm. Warsz., 1926.

MISIMA, Mitiyosi, 1866–1925.
Motozu, H. Zyū goi igaku hakase Misima Mitiyosi Sensei wo tyō-su [In memory of Professor Mitiyosi Misima, Doctor of Medicine of Junior Fifth Rank] Nippon gakko eisei, 1925, **13:** 237–44, portr.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 33.

MISINO, Tyūkyo, 1706–64.
For biography see Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 53.

MISIRLIOGLU, Yusuf Izzettin. *Entwicklung und heutiger Stand der pathogenetischen Anschauungen über Apoplexia sanguinea. 12p. 23cm. Basel, E. Waldstein, 1943.

MISKALL, Edward Winfield, 1900–48.
For obituary see Ann. Int. M., 1948, **29:** 1199. Also Centaur, Menasha, 1948–49, **54:** 427. Also Ohio M. J., 1948, **44:** 1057.

MISKE, Ulrich Karl Rudolf, 1912– *Das Elektrokardiogramm und das pathologisch-anatomische Herzpräparat. 22p. pl. ch. 8° Berl., R. Pfau, 1938.

MISKELL-KING, Olive.
See **Peake, W. E.,** & **Miskell-King, O.** Doctors Hospital and the Medical Center, 1940. 103p. 28cm. Wash., 1940.

MISKOLCZ, Hungary.

Pelláthy, B. A Borsodvármegyei Erzsébet közkórház (Miskolc) szemosztályának működése az 1946–48 években. Szemészet, 1949, **86:** 82–4.

MISKOLCZY, Dezső.
See **Kramár, J., Miskolczy, D.,** & **Csajághy, M.** Die kindliche Ruhr und das Nervensystem. 101p. 24½cm. Lpz., 1940. Also **Schaffer, K.,** & **Miskolczy, D.** Histopathologie des Neurons. 411p. 25cm. Budap., 1938.

MISKOW, Johan Meyer, 1862–1937.
For biography see Dansk biogr. haandleks., 1923, **2:** 644, portr.

MISLAVSKY, Nikolai Alexandrovich, 1854–1929.
For biography see Bolsh. med. encikl., 1931, **18:** 451.

MISLIN, Hans, 1907– *Der Phasenwechsel des Rheinlachses (Salmo salar L.) unter besonderer Berücksichtigung des Ernährungsapparates [Basel] 181p. illust. tab. diagr. 25cm. Genf, A. Kundig, 1941.
Also Rev. suisse zool., 1941, **48:** Suppl.

MISLOWITZER, Ernst, 1895– Die Bestimmung der Wasserstoffionenkonzentration von Flüssigkeiten; ein Lehrbuch der Theorie und Praxis der Wasserstoffzahlmessungen in elementarer Darstellung. x, 378p. illust. tab. diagr. 23cm. Berl., J. Springer, 1928.

MISMAQUE, Roger, 1906– *Contribution à l'étude clinique des injections intraveineuses d'alcool à 33° en médecine vétérinaire [Alfort] 51p. 8° Par., Vigot fr., 1933.

MISO.

See also **Diet,** National aspect; **Japan.**

Iba, Y. Nukamiso no saikingaku-teki kenkyū [Bakteriologische Untersuchung über "Nukamiso"] p.1467–526. 26cm. Kyōto, 1932.
In: Jap. Zschr. Mikrob., 1932, **26:**

Toyama, K. On the quantity of diastase in Miso. Sei i kwai M. J., 1912, **31:** No. 6.

MISOGYNY.

See also **Misanthropy; Pessimism.**

De Napoli, F. Le anomalie sessuali per inversione e la misoginia. p.965–1016. 24cm. Milano, 1943.
In his Sesso e amore, 3. ed., Milano, 1943, **2:**

Eichler, O. Die Wurzeln des Frauenhasses bei Arthur Schopenhauer; eine psychoanalytische Studie. •66p. 24½cm. Bonn, 1926.
Forms H. 3, Bd 1, of Arb. Sexualpsychol. Seminar Berlin Univ.

Finot, J. Les misogynes modernes. In his Préjugé & probl. sexes, Par., 1912, 122–33.

MISONO, Isai, –1616.
For biography see Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 53.

MISPRINT.

See also **Error** [and mistake]

Arndt, H. Fahrlässige Tötung infolge Druckfehlers in einer Fachzeitschrift. Med. Mschr., 1950, **4:** 52–5.—**Dalbiez, R.** The lapsus calami. In his Psychoanal. Meth. & Doctrine of

Freud, Lond., 1941, 1: 17.—**Druckfehler** bei Autorennamen. Ciba Zschr., Basel, 1936–37, 4: 1542.—**Errata.** Ibid., 1542.—**Freud, S.** Mistakes in reading and writing. In his Basic Writings, N. Y., 1938, 87–94.—**Gimeno Pérez, A.** Análisis de lapsus calami. Galicia clín., Coruña, 1949, 21: 109–17.—**Lundholm, H.** Post-mortem on a printer's error. Character & Personality, 1944–45, 13: 22–9.—**Oberndorf, C. P.** Slips of the tongue and pen. J. Abnorm. Psychol., 1913–14, 8: 378–84.—**Silberer, H.** Tendenziöse Druckfehler. Internat. Zschr. Psychoanal., Wien, 1922, 8: 350.—**Van der Torren, J.** Das normale Verhören, Versprechen, Verlesen und Verschreiben nebst ihren Bezichungen zur Pathologie. Zschr. ges. Neur. Psychiat., 1912, 4: Ref., 657–78. ——— Over drukfouten. Psychiat. neur. bl., Amst., 1913, 18: 235–43.

MISRI, Izzeddine, 1913– *Contribution à l'étude de l'amide nicotinique. 64p. 24cm. Par., R. Foulon, 1943.

MISSBACH, Costin I. E. *Recherches sur le dosage du carbone pulmonaire et sur le sort des poussières de charbon dans l'organisme. 56p. illust. tab. 24cm. Par., Jouve & cie, 1938.

MISSBACH, Rudolf Johannes, 1911– *Zur zahnhygienischen Volksaufklärung im öffentlichen Gesundheitswesen. 36p. 8° Lpz., A. Edelmann, 1935.

MISSELWITZ, Franz Martin Walter, 1900– *Zur Indikation der Frühoperation bei Nierensteinen. 12p. 21cm. Berl., Neuland Druck., 1938.

MISSELWITZ, Karl Heinz Richard, 1911– *Beobachtungen über Fieberbluttransfusionen bei Tuberkulose. 27p. 8° Bresl., Rosinsky, 1938.

MISSENARD, André. L'homme et le climat. xiv, 270p. 20cm. Par., Libr. Plon, 1937.

—— [The same] Der Mensch und seine klimatische Umwelt. 221p. tab. 21cm. Stuttg. Deut. Verl. Anst., 1938.

MISSEREY, Guy, 1910– *Contribution à l'étude du traitement de l'énurésie par l'opothérapie. 88p. 8° Par., Jouve & cie, 1936.

MISSET, Pierre, 1900– *Contribution à l'étude de la lactation. 71p. ch. 8° Par., Impr. Trecult, 1933.

MISSFELDT, Fritz, 1905– *Zur Pharmakologie des Harnstoffs; ein Beitrag zum Permeabilitätsproblem [Kiel] 15p. 8° Husum, D. Bollmann, 1929.

MISSILE.

See also in this volume in the Military Section; also **Projectile.**

Harvey, E. N., Korr, I. M. [et al.] Secondary damage in wounding due to pressure changes accompanying the passage of high velocity missiles. Surgery, 1947, 21: 218–39.—**Harvey, E. N., & McMillen, J. H.** An experimental study of shock waves resulting from the impact of high velocity missiles on animal tissues. J. Exp. M., 1947, 85: 321–8, 7 pl.

MISSIONARY.

See also **Medical missionary.**

MALANG, L. Tropendoktor. 174p. 19cm. Basel, 1940.

Adolph, P. E. A missionary's preparation. In his Surg. Speaks to China, Phila., 1945, 21–8.—**Coltman, R.,** jr. Missionaries and their work. In his Chinese, Phila., 1891, 169–78, pl.—**Ehmann, B.** Thou art the physician. Med. Missionary, 1941, 15: 154.—**Groot, K. P.** Missionary physicians and hospitals in the Netherlands Indies. In: Science & Scientists Neth. Indies, N. Y., 1945, 126–8.—**Larsell, O.** Catholic missionaries. In his Doctor in Oregon, Portl., 1947, 123–5.

MISSIONARY academia studies.

See **Charles, P.** Medical missions. 32p. 21½cm. N. Y., 1949.

MISSIONARY nurse.

Coxhead, G. S. A missionary nurse in China. Nurs. Mirror, Lond., 1948, 87: No. 2256, Suppl., i.—**Hermans, E. H.** De sterfte-statistiek der Nederlandsche missionarissen. Acta leiden., 1940–41, 15:–16: 173–92. Also Ned. tschr. geneesk., 1941, 85: 2587–91.—**Macphee.** The Nurses' Christian Movement in Great Britain. J. Christ. M. Ass. India, 1943, 18: 121.—**Pickworth, M. H.** A missionary nurse in India. Nurs Times, Lond., 1947, 43: 788; passim.

MISSIONARY text-book.

See **Kilborn, O. L.,** Heal the sick; an appeal for medical missions in China. 283p. 19cm. Toronto, 1910.

MISSION médicale antitrypanosomique du Kwango-Kasaï.

See **[Belgian Congo] Mission médicale antitrypanosomique du Kwango-Kasaï.**

MISSIONZHNIK, J. D. О влиянии профессионального отравления свинцом на орган слуха. 79p. illust. diagr. 22cm. Kiev, Gorzd. zapor. gors., 1935.

MISSIROLI, Alberto, 1883–1951. Lezioni sulla epidemiologia e profilassi della malaria. 552 p. illust. pl. 8° Roma, Armini di M. Courrier, 1934.

For portrait see Reforma méd., Lima, 1940, 26: 445.

MISSISSIPPI, U. S. A. Bureau of Industrial Hygiene and Factory Inspection. Biennial report of factory inspection. 1 l. Jackson (1929/31) 1931.

MISSISSIPPI, U. S. A. East Mississippi State Hospital. Biennial report. Meridian (1909/11) 1911–

MISSISSIPPI, U. S. A. State Board of Health. Biennial report. Jackson, l., 1877–

Title varies: 1877 as Annual report.

—— Health bulletin, 1910/11–22. 10v. in 4. illust. tab. diagr. 23½cm. [var. 39cm.] Jackson, 1910–22.

—— Health syllabus. 80p. 8° Jackson, 1936.

—— Rules and regulations governing communicable diseases. 31p. 22½cm. Jackson, 1936.

—— Tables showing analysis of certain health department services in full time county health departments according to annual activity reports 1934 and 1936. 48 l. tab. 27½cm. Jackson, 1937.

—— Mississippi laws and extracts of laws dealing with public health. 67p. 21cm. Jackson, 1941. Also another ed. 120p. 1947.

—— Summary of activities and developments in public health. Jackson, 1945/46–

—— Syphilis today; a résumé of current diagnostic and rapid treatment methods. 27p. tab. 22cm. Jackson, 1947.

See also **Ricks, H. C.** The laboratory program of the Mississippi State Board of Health. South. M. J., 1941, 34: 1281–3.

MISSISSIPPI, U. S. A. State Board of Health. Division of Vital Statistics. Annual bulletin of vital statistics. Jackson, 1933/34–

Title varies: 1933/34–1945 as Vital statistics; 1946 as Annual report of vital statistics. Beginning with 1947, report issued in 2 parts: Part 1, State summary; Part 2, County summary.

—— Instructions to registrars of births and deaths. 11p. 21½cm. Jackson, 1938.

Bound with Guide Vital Statist. (Mississippi Hist. Rec. Surv.) 1942, 1: [After p.13]

—— Rules and regulations governing birth and death registration. Rev. June, 1941. 31p. illust. form. 21½cm. Jackson, 1941.

Bound with Guide Vital Statist. (Mississippi Hist. Rec. Surv.) 1942, 1: [After p.13]

—— Annual report of vital statistics. Jackson, 1944–

MISSISSIPPI, U. S. A. State Board of Health. Library. Useful weapons in the fight against disease ... a selected list of late books in the Medical Library, Mississippi State Board of Health. 21p. 22cm. Jackson, 1942.

MISSISSIPPI, U. S. A. State Livestock Sanitary Board. Biennial report. Jackson, 1939/41–

MISSISSIPPI, U. S. A. State Medical Education Board. Biennial report. Jackson, 1., 1946/47–

MISSISSIPPI, U. S. A.

See also under **Health organization.**

Mississippi Historical Records Survey. Guide to vital statistics records in Mississippi. 2v. 62p.; 702p. 27½cm. Jackson, 1942.

Culley, J. C. Medical education in Mississippi. N. Orleans M. & S. J., 1932, **84:** 935–45.—**Distribution** of physicians and hospital facilities in Mississippi, 1938. In: Fact. Data M. Econom. (Am. M. Ass.) Chic., 1940, 39.—**Hardison, A. E.** Public health activities of American Red Cross in Mississippi. Mississippi Doctor, 1944–45, **22:** 251–3.—**Highlights** (Some) in public health progress in Mississippi. Ibid., 1942–43, **20:** 302.—**Hospital** conference. Ibid., 1941–42, **19:** 365.—**Leathers, W. S.** Significant public health trends in Mississippi. Ibid., 1936–37, **14:** No. 10, 5–9.—**Lindley, R. T.** Mississippi; climatic summary. Yearb. U. S. Dep. Agr., 1941, 935–44.—**Long, L. W.** How to obtain a hospital program for the indigents of Mississippi. Mississippi Doctor, 1941–42, **19:** 413.—**Mississippi;** hospital and other institutional facilities and services, 1939. Vital Statist. Spec. Rep. U. S. Bur. Census, 1941, **13:** 227–35.—**Mississippi,** summary of vital statistics, 1939–41. Ibid., 1940, **10:** 563; 1941, **14:** 721; 1943, **18:** 330.—**Mississippi,** summary of vital statistics, 1944–46. Ibid., 1946, **24:** 463; 1947, **26:** 297; 1948, **28:** 437.—**Morbidity** and mortality for typhoid fever, diphtheria, and pellagra in the State of Mississippi for 1932 and 1933. Mississippi Doctor, 1934–35, **12:** No. 3, 38.—**Philpot, V. B.** Some Mississippi hospital problems. Ibid., No. 12, 37–9.—**Public** health activities increase during war time. Ibid., 1942–43, **20:** 142–4.—**Underwood, F. J.** The economy of health. Ibid., 1933–34, **11:** No. 5, 9. ——— Our public health program. Ibid., No. 8, 40–3. ——— The supply of physicians in Mississippi. Ibid., 1942–43, **20:** 45–9. ——— Public health in Mississippi under wartime conditions. Ibid., 1943–44, **21:** 133–7.—**Whitfield, R. N.** The evolution of a public health conscience in Mississippi. Ibid., 225–7.

—— Medical history.

Underwood, F. J., & Whitfield, R. N. Public health and medical licensure in the state of Mississippi 1798–1937. 175p. 8° Jackson, 1938.

Gant, H. A. Yellow fever in Mississippi, 1878–1905. Mississippi Doctor, 1936–37, **14:** 29.—**Hill, J. R.** Some accomplishments of organized medicine in Mississippi. Ibid., 42–4.—**Underwood, F. J.** A message from Mississippi; public health work in Mississippi; past and present. Tr. M. Ass. Alabama, 1920, 133–6. ——— & **Whitfield, R. N.** Practice of medicine regulated, 1882. In their Pub. Health Mississippi, Jackson, 1938, 142.

MISSISSIPPI Dental Association. Journal. McComb, July 1947–

Price, L. B. Mississippi Dental Association. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1:** 1061–4.

MISSISSIPPI doctor; official organ of the Mississippi State Medical Association. Booneville, v.**9,** 1931–

MISSISSIPPI Historical Records Survey. Guide to vital statistics records in Mississippi. 2v. 62p.; 702p. form. 27½cm. Jackson, 1942.

MISSISSIPPI State Medical Association. Transactions. 32v. in 20. 23½cm. Vicksburg, &c., 1871–1921.

Title varies: v.**1/3,** History of the Medical Association of the State of Mississippi and A Report of the Proceedings of the 1st, 2d & 3d Annual meeting. Library has v.**1–26** (1856–93) v.**41** (1908) v.**43–46** (1910–13) v.**54** (1921) With v.**56** (1923) publication ends.

—— History of the Mississippi State Medical Association, with biographies of its presidents, complete roster of its officers, programmes of its meetings, and the past and present laws relating to the practice of medicine in Mississippi. 171p. portr. 19½cm. Anguilla, J. C. Hall, 1910.

For official organ see **Mississippi doctor.** Booneville, v.**9,** 1931–

See also **Kendrick, C.** Some thoughts about the Mississippi State Medical Association after an experience as a member for forty years. Tr. Mississippi M. Ass., 1913, **46:** 42–55.—**Mississippi** State Medical Association, organized 1867; officers. Mississippi Doctor, 1938–39, **16:** No. 3, 53; 1940–41, **18:** 362; 694–6, 9 portr.

MISSISSIPPI River.

See also **Mississippi Valley.**

Minnesota, U. S. A. Department of Health. Report of the investigation of the pollution of the Mississippi River, Minneapolis to La Crosse, inclusive. 143p. 23cm. S. Paul, 1928.

Bound with: Annual Rep. Metropol. Drainage Com. Minneapolis, 1928, **2:**

Smith, E. G. The Mississippi River as the source of water supply for the inhabitants of the Mississippi Valley. J. N. England Water Works Ass., 1905, **19:** 215–31.—**Sulte, B.** Découverte du Mississipi en 1659. Proc. R. Soc. Canada, 1903, **9:** Sect. 1, 3–44.

[MISSISSIPPI] University of Mississippi. School of Medicine. Session; announcements. University, Miss., 1922; 1946/47–

Forms Nos. of Bull. Univ. Mississippi.

See also **Moore, R. M.** Ole Miss medical alumni. Mississippi Doctor, 1940–41, **18:** 673–9.—**University** (The) of Mississippi School of Medicine. Ibid., 1937–38, **15:** No. 11, 15–30, illust.

MISSISSIPPI Valley.

See also **Mississippi River.**

Caldwell, N. W. The French in the Mississippi Valley, 1740–50. 113p. 26½cm. Urbana, 1941.

Colquitt, S. W. Medicine in the Delta for the last 50 years. Mississippi Doctor, 1949–50, **27:** 73–5.—**Dock, G.** Tropical diseases and the Mississippi Valley. Lancet Clinic, Cincin., 1908, **100:** 449–55. Also Louisville Month. J. M. & S., 1908–09, **15:** 175–84.—**Gray, A. L., Ferguson, M. S., & Hibbets, R. S.** Delta plantation case-finding survey in Leflore County, Mississippi. J. Vener. Dis. Inform., 1948, **29:** 106–10.—**Mecklin, J. N.** Thirty-five years in the Delta. Mississippi Doctor, 1935–36, **13:** No. 5, 22–5.—**Trewartha, G. T.** Population and settlements in the upper Mississippi hill land during the period of destructive exploitation (1670–1832) Proc. Am. Sc. Congr. (1940) 1943, 8. Congr., **9:** 183–96.

MISSISSIPPI Valley Association of Dental Surgeons.

Mississippi Valley Association of Dental Surgeons. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1:** 866–8.

MISSISSIPPI Valley Medical Association. Transactions of the annual meeting. Louisville, v.**1,** 25. annual meet. 1899–

Before 1883, Tri-State Medical Society of Indiana, Illinois and Kentucky.

Lake, G. B. Notes from the Mississippi Valley Medical Society. Clin. M. & S., 1935, **42:** 587–91; 1937, **44:** 544–8; 1938, **45:** 568–74; 1939, **46:** 483–7; 1941, **48:** 15; 44; 300; 1942, **49:** 367.—**Mississippi** Valley Medical Society meeting, Burlington, Iowa, September 27–29, 1939; program. Mississippi Valley M. J., 1939, **61:** 175–8.

MISSOURI, U. S. A. Agricultural Experiment Station.

See **[Missouri] University of Missouri. College of Agriculture. Agricultural Experiment Station.**

MISSOURI, U. S. A. Board of Managers of the State Eleemosynary Institutions. Biennial report. Jefferson City, 1.–12., 1921/22–1943/44.

For further reports see Annual report; Division of Mental Diseases; Department of Public Health and Welfare, Missouri, U. S. A.

MISSOURI, U. S. A. Board of Pharmacy. Annual report. Jefferson City, 8. (1916/17) 1917–

MISSOURI, U. S. A. Commission for the Blind. Biennial report. S. Louis, &c., 11., 1935/36–

MISSOURI, U. S. A. Department of Public Health and Welfare. Division of Health. Morbidity report. Jefferson City, 1934–

Division formerly State Board of Health.

—— Provisional weekly morbidity report Jefferson City, Dec. 27, 1947–

—— Annual report. Jefferson City, 1. (1946/47) 1948–

Continuation of Report, State Board of Health, 1888–1945.

—— Provisional weekly morbidity report. Jefferson City, Dec. 27, 1947–

—— Personnel list. Jefferson City, Jan. 1949–

MISSOURI, U. S. A. Department of Public Health and Welfare. Division of Mental Diseases. Annual report. Jefferson City, 1., 1945/46–

Continuation in part, of Biennial report, Board of Managers of the State Eleemosynary Institutions.

MISSOURI, U. S. A. Department of Public Health and Welfare. Division of Welfare. Annual report. Jefferson City, 1. (1946/47) 1947–

MISSOURI, U. S. A. Food and Drug Commissioner. Annual report. 1912; 1915–25. 12v. 23cm. Jefferson City, 1913–26.

MISSOURI, U. S. A. State Board of Health. Reports [annual and biennial] Jefferson City (1888) 1889–(1945) 1946.

Not published, 1897–1900. For continuation see Annual report; Division of Health, Department of Public Health and Welfare, Missouri, U. S. A. 1., 1946/47–

—— Monthly report. Jefferson City, Sept. 1934–Jan. 1945.

—— Missouri public health manual. Book 4: Control of communicable and other diseases dangerous to public health. 78p. 22½cm. Jefferson City, 1946.

MISSOURI, U. S. A. State Board of Health. Division of Vital Statistics. Annual report of birth, death, stillbirth, infant mortality, and maternal death statistics. Jefferson City, 1921–1940.

MISSOURI, U. S. A. State Board of Medical Examiners.

See **Physicians and surgeons** registered for the 1946–47 biennium; listed alphabetically according to counties; also, doctors not residing in the state of Missouri at the present time. Jefferson City 1946/47–

MISSOURI, U. S. A. State Board of Nurse Examiners. Roster of registered nurses holding certificates permitting practice. Jefferson City, 1948/49–

MISSOURI, U. S. A.

See also **Health organization.**

MISSOURI. STATE ELEEMOSYNARY INSTITUTIONS. BOARD OF MANAGERS [A series of letters dealing with the history, development and growth of the Missouri eleemosynary institutions, their functions, method of operation and financial needs] v.p. 28cm. Jefferson City, 1938.

—— Letters devoted to certain programs and problems in regard to treatment of patients. v.p. 28cm. Jefferson City, 1940.

Gray, J. A., Simpson, M. B. [et al.] Report of Committee on Public Policy. J. Missouri M. Ass., 1943, **40**: 222–4.—**Hiller, F. B.** How the model law was installed in Missouri. Tr. Internat. Congr. Hyg. Demogr. (1912) 1913, **6**: 31–6.—**Kerr, H. L.** Address of the President. J. Missouri M. Ass., 1943, **40**: 161.—**Lively, C. E.** The rural health facilities of Missouri and the extent to which they are used. In: Social Res. Health (Duncan, O. D.) N. Y., 1946, 132–5.—**McAlester, A. W., jr.** Address of the President-elect. J. Missouri M. Ass., 1943, **40**: 162.—**McCormack, J. N.** The status of organization in Missouri. Ibid., 1905–06, **2**: 31.—**Missouri,** hospital and other institutional facilities and services, 1939. Vital Statist. Spec. Rep. U. S. Bur. Census, 1941, **13**: 237–47.—**Missouri;** summary of vital statistics, 1940–41. Ibid., **14**: 603–26; 1943, **18**: 344.—**Missouri,** summary of vital statistics, 1944–45. Ibid., 1946, **24**: 485; 1947, **26**: 309.—**Moxom, W. J.** Missouri; climatic summary. Yearb. U. S. Dep. Agr., 1941, 945–54.—**Odell, C. B.** A progress report on the construction of population and physiographic maps for the state of Missouri. Science, 1943, **98**: 476.—**Tuttle, E.** Family living in rural Missouri. Child, Wash., 1941, **5**: 200–2.—**Williams, J. W.,** jr. Integration of medical care into the health program in rural Missouri. Am. J. Pub. Health, 1943, **33**: 499–504.

—— **Medical history.**

MILLER, A. J. The pioneer doctor in the Ozarks White River country. 161p. 20½cm. Kansas City, 1949.

Donnelly, P. M. Medicine in Missouri. J. Missouri M. Ass., 1946, **43**: 554–60.—**Hale, E. E.** Retrospect. Iowa Dent. Bull., 1942, **28**: 5.—**Old** Missouri doctors. Brit. M. J., 1907, **1**: 1014.—**Schlueter, R. E., & Washburn, E. A.** Medical history of St Louis and Missouri at St Louis session of American Medical Association, May 15–19, 1939. Bull. M. Libr. Ass., 1939–40, **28**: 111.

MISSOURI Association for Mental Hygiene.

For official organ see **Mental health observer.** Columbia, Mo., v.**6**, 1939–

[MISSOURI] Medical Association of the State of Missouri.

See **Missouri State Medical Association.**

MISSOURI Medical College.

Terry, R. J. The origins of the Missouri Medical College. Washington Univ. M. Alumni Q., 1938, **1**: 123–40.

MISSOURI (The) nurse; official publication of the Missouri State Nurses' Association. Kansas City, v.**17**, 1948–

Continuation of: **Bulletin** of the Missouri State Nurses' Association.

MISSOURI Pacific Hospital Association. Annual report. S. Louis, 12., 1924–

MISSOURI Pharmaceutical Association. Proceedings. S. Louis, v.**9**, 1887–

Also publisher of **Missouri (The) pharmacist.** Jefferson City, v.**20**, 1946–

MISSOURI (The) pharmacist; published monthly by the Missouri Pharmaceutical Association. Jefferson City, v.**20**, 1946–

MISSOURI public health manual.

See **Missouri, U. S. A. State Board of Health.** Missouri public health manual. Book 4: Control of communicable and other diseases dangerous to public health. 78p. 22½cm. Jefferson City, 1946.

MISSOURI School for the Blind. Biennial report. S. Louis, 42. (1939/40) 1941–

MISSOURI School for the Deaf [Fulton, Mo.] Biennial report. Fulton, 1943/44–

MISSOURI Society for Crippled Children. Bulletin. S. Louis, v.**1**, 1927–

Title varies: v.1–11, 1927–38 issued as its News letter.

MISSOURI State Dental Association. Journal. Fulton, Mo., v.**14**, 1934–

—— The history of dentistry in Missouri; compiled and published under the direction of the History Committee of the Missouri State Dental Association. xii, 600p. 8° Fulton, Mo., 1938.

See also:

THORPE, B. L. Biographies of the founders, prominent early members and ex-presidents of the Missouri State Dental Association. 142p. 23cm. S. Louis, 1909.

See also **Thorpe, B. L.** Missouri State Dental Association. In: Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, **1**: 955–60.

MISSOURI State Medical Association. Transactions. S. Louis, 1851–52; 1859; 2. ser., v.**1–46**, 1867–1903.

Continued in the Journal of the Missouri State Medical Association.

Formerly Medical Association of the State of Missouri, 1851–1902.

—— Journal. Fulton, v.**1**, 1904–

—— Constitution and by-laws of the Missouri State Medical Association, adopted 1903, revised 1918. 22p. 16cm. Chic., Am. M. Ass., 1918.

Conley, D. S. History of the MSMA; address of the president. J. Missouri M. Ass., 1938, **35**: 197–201.—**County** societies in affiliation with the MSMA. Ibid., 1941, **38**: 22.—**Eighty-third** annual session MSMA, Joplin, April 29, 30, May 1, 1940. Ibid., 1940, **37**: 305–30.—**McVay, J. R.** The MSMA; past, present and future. Ibid., 1939, **36**: 186.—**Missouri State Medical Association;** 83rd annual meeting, Hotel Con-

nor, Joplin, April 29–May 1, 1940. Ibid., 1940, **37**: 217–25.
——— 84th annual meeting, Jefferson Hotel, St. Louis. Ibid., 1941, **38**: 168–79.—**Schlueter, R. E.** History of the Missouri State Medical Association. Ibid.. 1950. **47**: 249–86.

MISSOURI State Nurses' Association. Bulletin. Kansas City, v.**14**, 1944–
For continuation see: **Missouri (The) nurse.**

MISSOURI State School. Biennial report of the Board of Managers. Jefferson City, 12., 1943/44–
Joint report of School No. 1 at Marshall, & School No. 2 at Carrollton.

[MISSOURI] University of Missouri. Studies, v.**20**, No. 3.
See **Richardson, J. T.** The origin and development of group hospitalization in the United States, 1890–1940. 102p. 26½cm. Columbia, 1945.

——— Studies. Science series. Columbia, v.**2**, No. 1, 1907–

CONTENTS

v.**2**, No. 1. An introduction to the mechanics of the inner ear. Meyer, M. F. 1907.

——— Catalog; announcements. Columbia, 1947/48–

[MISSOURI] University of Missouri. College of Agriculture. Agricultural Experiment Station. Growth and development, with special reference to domestic animals. Columbia, Pt 1, 1926–

——— Research bulletin. Columbia, No. 89, 1926–

[MISSOURI] University of Missouri. Department of Physical Education. Vigorous activities; some selected activities for the promotion of physical fitness in the secondary school. 27p. illust. 23cm. Columbia, 1942.
Forms No. 12, v.**43**, Gen. Ser. No. 12, 1942, Bull. Univ. Missouri.

[MISSOURI] University of Missouri. School of Medicine. Announcement. Columbia (1942/43) 1942–
Forms Nos. of Univ. Missouri Bull.

[MISSOURI] University of Missouri bulletin. Medical series. Columbia, No. 1, 1913–
Form numbers of the University Bulletin.

CONTENTS

No. 1. Bacteria and discase. Mitchell, O. W. H. 1913.
No. 2. Prevention of typhoid fever. Calvert, W. J. 1913.
No. 3. Prevention of contagious diseases in school children. Calvert, W. J. 1913.
No. 4. On resuscitation. Dolly, D. H. 1913.
No. 5. The relation of sight and hearing to early school life. Noyes, G. L. 1914.
No. 6. The prevention of tuberculosis. Mitchell, O. W. H. 1914.
No. 7. Water, the prevention of its pollution. Mitchell, O. W. H. 1914.
No. 8. Preventive medicine; its accomplishments and its aims. Ravenel, M. P. 1915.
No. 9. The early diagnosis and treatment of cancer. Martin, F. A. 1915.
No. 10. The prevention of malaria. Spence, E. L. 1915.
No. 11. Headache; a symptom. Muns, W. E. 1916.

MISSOURI Workmen's Compensation Commission. Missouri workmen's compensation law effective November 2, 1926, together with rules and bulletins of the Missouri Workmen's Compensation Commission, October 1, 1943. 94p. tab. 23cm. Jefferson City, Mid-State Print. Co., 1943.

MISTAL, Otto M. [M. D. 1922]

——— Endoscopie et pleurolyse (méthodes d'applications et techniques) x, 436p. illust. 8° Par., Masson & cie, 1935.

——— La tuberculose dans le monde. 496p. illust. pl. tab. diagr. 23cm. Lausanne, Libr. Payot, 1947.

——— L'augmentation de la tuberculose et la guerre; problèmes sociaux; problèmes d'avenir. p.207–483. illust. pl. map. tab. ch. 23cm. Lausanne, 1947.
In his Tuberc. dans le monde, Lausanne, 1947.
For portrait see Progr. Journées méd. Bruxelles, 1935, 113.

MISTICHELLI, Domenico, 1675–[fl. 1705–09]–
Capparoni, P. Domenico Mistichelli e la sua scoperta della decussatio pyramidum. Atti Accad. stor. arte san., 1939, **5**: 261–75.

MISTLETOE.

See **Viscum album.**

MISTRAL, Frédéric, 1830–1914.
Galtier, J. Le délire de Mireille. Gaz. sc. méd. Bordeaux, 1935, **56**: 292–6.

MISTRAL, Louis, 1912– *La paralysie faciale périphérique angiopathique dite à frigore. 86p. 24½cm. Marseille, Impr. Ant. Ged, 1938.

MISTRETTA, Aldo. *Ricambio del P e degli idrati di carbonio nel lattante. 46p. 8° Padova, A. Milani, 1932.

MISUMI, Ryōkei, 1759–1824.
For biography see Sinsen dai zinmei ziten, Tokyo, 1940, **6**: 51.

MISZEWSKI, Kazimierz Jerzy, 1881–
For biography see Czy wiesz kto to jest, Warsz., 1938, 494.

MITA, Sadanori, 1876–1950.
Editor of **Acta Japonica medicinae tropicalis.** Taihoku, Formosa, v.**1**, 1939–
See also **Ogata, H.** Mita Sadanori Sensei no ketuekigaku-ryōiki ni okeru kenkyū [Dr Sadanori Mita's studies in the field of hematology] Jap. M. J. (w.) 1950, 427.
For biography see Sinsen dai zinmei ziten, Tokyo, 1942, **7**: 502. Also Jap. M. J. (w.) 1949, 1036, &c.
For obituary see Igaku tusin, 1950, **5**: No. 193, 18. Also Jap. M. J. (w.) 1950, 431–6 (Nagai, S., Sioda, H. [et al.])

MITAINE, Henri, 1912– *Contribution à l'étude clinique et thérapeutique de l'arachnoïdite spinale médullaire. 75p. 24cm. Lyon, Impr. Salut public, 1939.

MITANI, Mitio. Ryokunai-syō no rinsyō-teki kansatu. p.1217–300. tab. ch. 25½cm. Osaka, 1934.
Also In: Mitt. Med. Ges. Osaka, 1934, **33**:

MITANI, Rosui, 1745–1804.
For biography see Sinsen dai zinmei ziten, Tokyo, 1940, **6**: 55.

MITATE no Gomei, fl. 720 A. D.
For biography see Sinsen dai zinmei ziten, Tokyo, 1940, **6**: 54.

MITAUTSES, Konstantinos Ah. Ψυχιατρική. Θ', 398p. illust. 24½cm. Athénai, P. León, 1933.

MITCHELL, Albert Graeme, 1889–1941. [Articles; bibliography] 7 l. 28cm. Cincin. [?] 1938.
Mimeographed.

——— Pediatric bibliography. vii, 119p. 23cm. Wash., Nat. Res. counc., 1941.
Forms No. 1, v.**6**, Monogr. Soc. Res. Child Develop.

——— Mitchell's Pediatrics and pediatric nursing. 2. ed.; revised by Robert A. Lyon & Winifred Kaltenbach. x, 504p. illust. pl. diagr. 20½cm. Phila., W. B. Saunders, 1944.
See also **Griffith, J. P. C., & Mitchell, A. G.** The diseases of infants and children. 2. ed. 1154p. 8° Phila., 1937. ——— [The same] Textbook of pediatrics. 3. ed. 991p. 24½m. Phila., 1941.
For 4. ed. see **Nelson, W. E.**, ed. Mitchell-Nelson textbook of pediatrics. 4. ed. Phila., 1945–
For biography see Mississippi Doctor, 1936–37, **14**: No. 9, 31, portr. Also Bull. Linn Co. M. Soc., 1937–38, **6**: No. 7, 5, portr.
For obituary see Am. J. Dis. Child., 1941, **62**: 173–5, portr. Also Diplomate, 1941, **13**: 253, portr. Also J. Am. M. Ass., 1941, **116**: 2710. Also J. Med., Cincin., 1941–42, **22**: 187, portr. (Guest, G. M., & Lyon, R. A.)

——— **UPHAM, Echo K., & WALLINGER, Elgie M.** Pediatrics and pediatric nursing. xvi, 575p. illust. pl. diagr. 20½cm. Phila., W. B. Saunders Co., 1939.

MITCHELL, Albert Melvin, 1889–
For portrait see J. Indiana M. Ass., 1946, **39**: 503; 1949, **42**: No. 8, Suppl., 171.

MITCHELL, Albert Roscoe, 1856–1933.
For biography see Proc. Nebraska M. Soc., 1899, **31**: 4, portr.
For obituary see J. Am. M. Ass., 1933, **100**: 1790. Also Nebraska M. J., 1933, **18**: 277.
For portrait see in Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 350.

MITCHELL, Alec Duncan. British chemical nomenclature. viii, 156p. 23½cm. Lond., E. Arnold & Co., 1948.

MITCHELL, Alexander [Ch. M. 1907, Aberdeen]
For bibliography see in Index d. titres Soc. internat. chir., Brux., 1933, **1**: 374.

MITCHELL, Alfred, jr, 1872–1943.
For obituary see J. Am. M. Ass., 1943, **122**: 55. Also J. Maine M. Ass., 1943, **34**: 57. Also Tr. N. England Surg. Soc. 1944, **25**: 220.

MITCHELL, Alfred Newton, 1876–
For portrait see Proc. Ass. Life Insur. Pres., 1941, **35**: opp. p. 6.

MITCHELL, Alice, 1861–1916.
Herrick, J. B. Biography. In his Memories of Eighty Years, Chic., 1949, 52.

MITCHELL, Amanda Jane, 1862–1947.
For obituary see J. M. Ass. Georgia, 1947, **36**: 216.

MITCHELL, Ammi Ruhamah, 1762–1824.
For biography see Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2**: 177. Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 800 (Spalding, J. A.)

MITCHELL, Arnold W.
For portrait see J. Canad. Dent. Ass., 1946, **12**: 258.

MITCHELL, Arthur, 1804–67.
For biography see Hist. R. Coll. Surgeons Ireland (Cameron, C. A.) Dubl., 1886, 492.

MITCHELL, Arthur Brownlow, 1865–1942.
For obituary see Brit. M. J., 1942, **2**: 441, portr. Also Ulster M. J., 1942, **11**: 135–8.

MITCHELL, Charles A. Bovine infectious abortion or Bang's disease of cattle. 15p. 8° Ottawa, 1935.
Forms No. 150, n. ser., Bull. Canada Dep. Agr.

MITCHELL, Charles Ainsworth, 1867–1948. Edible oils & fats. xii, 159p. illust. tab. 23cm. Lond., Longmans, Green & Co., 1918.
See also **Dyer, B., & Mitchell, C. A.** The Society of Public Analysts. 278p. 8° Cambr., 1932.
Also editor of **Allen, A. H.** Allen's commercial analysis. 5. ed. 10 v. 8° Phila., 1923–33.
For obituary see Analyst, Lond., 1948, **73**: 55–7, portr. (Cox, H. E.) Also Brit. M. J., 1948, **1**: 128. Also Lancet, Lond., 1948, **1**: 198. Also Med. Leg. J., Lond., 1948, **16**: 14 (Cox, H. E.)
For portrait see Med. Leg. Crim. Rev., Lond., 1936, **4**: No. 4, front.

MITCHELL, Chauncey Leeds, 1813–88.
For portrait see Collection in Library.

MITCHELL, Clifford, 1854–1939. Students' manual of urinary analysis, chemical and microscopical; compiled, translated and abridged from the most recent French authorities. 23p. 18° Chic., McClurg & Co., 1879.

—— Physician's chemistry. 301p. 8° Chic., Gross & Delbridge, 1886.

—— The practitioner's guide to urinary analysis. 2. ed. xi, 188p. illust. 20cm. Chic., Gross & Delbridge, 1888.

—— A clinical study of diseases of the kidneys [etc.] xii, 431p. illust. tab. 23cm. Chic., W. T. Keener, 1890.

—— Diseases of the urinary organs including diabetes mellitus and insipidus. viii, 716p. 8° Phila., Boericke & Tafel, 1903.

—— Manual of urinary analysis containing a systematic course in didactic and laboratory instruction for students together with reference tables and clinical data for practitioners. 3. ed. 363p. 8° Phila., Boericke & Tafel, 1902.

MITCHELL, Edward, fl. 1819–1834.
See **Barclay, John.** A series of engravings, representing the bones of the human skeleton; with the skeletons of some of the lower animals, by Edward Mitchell. The explanatory references by John Barclay. Pt 2. [64]p. 31cm. Edinb., 1820.

MITCHELL, Edward Clay, 1882–
For portrait see Mississippi Doctor, 1936–37, **14**: No. 12, 34; 1937–38, **15**: No. 3, 26.

MITCHELL, Edward Dana, 1876–
For biography see Memphis M. J., 1941, **16**: 3, portr.

MITCHELL, Edwin Waterman, 1854–1953.
For biography see Annual Rep. Christ Hosp., Cincinn. (1943) 1944, **54**: 9, portr. (Nippert, A. K.)

MITCHELL, Elsie Reed, 1871–1946.
For obituary see J. Am. M. Women Ass., 1947, **2**: 216.

MITCHELL, Frederick William, 1873–1943.
For obituary see J. Am. M. Ass., 1943, **123**: 922. Also J. Maine M. Ass., 1943, **34**: 204.

MITCHELL, George Edward, 1781–1832.
Archer, G. W. George Edward Mitchell, physician and soldier. Mil. Surgeon, 1941, **88**: 670–3.

MITCHELL, George Eric. Modern sanitary engineering, for the use of architects, surveyors, engineers, medical officers of health, sanitation officers, builders, and students. 169p. illust. diagr. 22cm. Brooklyn, Chemical Pub. Co., 1942.

—— [The same] Sanitation, drainage and water supply. 2. ed. 192p. 23cm. Lond., G. Newnes, 1946. Also 3. ed. 192p. 23½cm. 1947.

MITCHELL, Giles Sandy, 1852–1904.
For biography see in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2**: 177. Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 800 (Drury, A. G.)

MITCHELL, Harland B., 1907– & **MARSHALL, Keith Dayton.** Here's the question, resolved: That the Federal Government should provide a system of complete medical care available to all citizens at public expense. 113p. 23½cm. Seminole, Okla., the Editors, 1946.
Forms v.1, Handbook (A) for debaters.

MITCHELL, Harold Hanson, 1886–
The determination of the protein requirements of animals and of the protein values of farm feeds and rations. 44p. tab. 25cm. Wash., Nat. Res. Counc., 1926.
Forms pt 1, No. 55, v.11, Bull. U. S. Nat. Res. Counc.

—— The fluorine problem in livestock feeding. 10p. 25cm. Wash., Nat. Res. Counc., 1942.
Forms 4. Rep. Com. Animal Nutrit. U. S., Nat. Res. Counc.

—— Is animal protein an essential constituent of swine and poultry rations? 10p. 25cm. Wash., 1943.
Forms No. 117, Repr. & Circ. Ser. Nat. Res. Counc., Wash. Also forms No. 9, Rep. Com. Animal Nutrit. (NRC) Wash.

—— & **EDMAN, Marjorie.** Nutrition and resistance to climatic stress, with particular reference to man. iii, 112p. 27cm. S. Louis, Army Field Print. Plant [for] Quartermast. Food & Contain. Inst. Armed Forces, 1949.
At head of title: Research report.

MITCHELL, Harold Hanson, 1886– , & **HAMILTON, Tom Sherman.** The biochemistry of the amino acids. 619p. 8° N. Y., Chemical Cat. Co., 1929.

MITCHELL, Harry Fitzroy, 1866–1947.
For obituary see J. Indiana M. Ass., 1948, **41**: 238.

MITCHELL, Harry Walter, 1867–1933.
For obituary see Am. J. Psychiat., 1933, **13**: 713, portr. Also J. Nerv. Ment. Dis., 1933, **78**: 579. Also N. England J. M., 1933, **208**: 1387. Also Tr. Am. Neur. Ass., 1934, **60**: 221 (Buckley, A. C.)

MITCHELL, Helen Swift, 1895–
See **Cooper, L. F., Barber, E. M., & Mitchell, H. S.** Nutrition in health and disease. 574p. 8° Phila., 1928. Also later eds. Also 10. ed. 729p. 1947.

MITCHELL, Henry Chalmers, 1876–1948.
For obituary see Lawrence Co. M. Soc. Bull., 1948–49, **15**: No. 2, 3.

MITCHELL, Howard Ross, 1894–
For portrait see Nu Sigma Nu Bull., 1942, **31**: 375.

MITCHELL, J. D., 1823–93.
Merritt, W. Biography. In his Cent. of Med. Jacksonville [etc.] Gainesville, 1949, 56, portr.

MITCHELL, James Farnandis, 1871–
For portrait see in Hist. M. Soc. Distr. Columbia, Wash., 1909, opp. p. 272.

MITCHELL, James Thomas, 1868–1928.
For obituary see Proc. Connecticut M. Soc., 1929, **137**: 234–6 (Loveland, J. E.)

MITCHELL, John 1680(?)–1768.
For biography see in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2**: 178 (Waterson, D.) Also in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 801. Also in Some Am. M. Botanists (H. A. Kelly) N. Y., 1929, 33–7.

MITCHELL, John, –1846.
For biography see in Sketches of Lives ... Manchester Infirm. (Brockbank, E. M.) Manch., 1904, 246.

MITCHELL, John Christopher, 1850–1920.
For obituary see Proc. Am. M. Psychol. Ass., 1920, **76**: 409 (English, W. M.)

MITCHELL, John H., 1850–1922.
For portrait see Annual Meet. Ass. Surgeons South. Railw. Co. (1912) 1913, **17**: front.

MITCHELL, John Harrington, 1904–
For portrait see Ann. Allergy, 1949, **7**: 122.

MITCHELL, John Kearsley, 1793–1858.
For biography see in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 801. Also Clin. M. & S., 1938, **45**: 357, portr.
For portrait see Collection in Library.

MITCHELL, John Kearsley, 1859–1917.
Editor of **Mitchell, S. W.** Fat and blood. 6. ed. 168p. 19cm. Phila., 1893. Also 8. ed. 236p. 19½cm. Phila., 1900.

MITCHELL, John Phimister [M. D. 1911, Aberdeen] Anatomy and physiology, and causes of disease. xvi, 215p. illust. 16° Lond., Baillière, Tindall & Cox, 1937. Also 2. ed. xvi, 226p. 17½cm. 1948.
Forms v.1, Baillière's Element. Trop. Handb.
See also **Jordan, H., Mitchell, J. P., & Hopkins, G. H. E.** Tropical hygiene and sanitation. 388p. 17cm. Lond., 1939.

MITCHELL, John Stevenson, 1882[?]–1947.
For obituary see Brit. M. J., 1947, **1**: 619.

MITCHELL, John West, 1893–
Editor of **[Pennsylvania] Medical Society of the State of Pennsylvania.** Primer on diabetes. Rev. ed. 35p. 28cm. Harrisb., 1941.

MITCHELL, Joseph Ernest, 1871–1951.
For portrait see in Hist. M. Soc. Distr. Columbia, Wash., 1909, opp. p.273.

MITCHELL, Joseph Isolin, 1895–1937.
For biography see in Physicians Mayo Clin., Phila., 1927, 371, portr.
For obituary see J. Bone Surg., 1937, **19**: 847.

MITCHELL, Katherine, 1898– The deuce of reducing. xi, 112p. 22½cm. N. Y., Covici; Friede, 1937.

—— Food in health and disease; preparation, physiological action and therapeutic value. 2. ed. x, 379p. illust. tab. 22½cm. Phila., F. A. Davis Co., 1938. Also 3. ed. xi, 528p. 1942. Also 4. ed. (with G. G. North) xiv, 616p. 1947.

MITCHELL, Katherine Sara [MD. 1882, Coll. Phys. Ireland] The drink question; its social and medical aspects. 3. ed. 256p. 20cm. Lond., Swan Sonnenschein & Co., 1896.

MITCHELL, Lily E. A survey of individuals soliciting alms for a livelihood in North Carolina. 2 p. l., 30p. 22cm. Raleigh, 1948.
Forms Inform. Bull. No. 11, N. Carolina Bd Pub. Welf.

MITCHELL, M. M.
See **Pearson, M. T. E., & Mitchell, M. M.** Cookery under rations. 69p. 18cm. Lond., 1941.

MITCHELL, Mark L. Manual of practical biochemistry for medical students. 4 p. l., 181p. illust. tab. form. 22cm. Adelaide, Hassel Pr., 1949.
p.4–156 are leaves, blank on verso.

MITCHELL, Neal, 1855–1911.
For biography see In Cent. of Med. Jacksonville (Merritt, W.) (etc.) Gainesville, 1949, 127.

MITCHELL, Oliver Wendell Holmes, 1886–1948. Bacteria and disease. 39p. illust. port. 23cm. Columbia, Univ. Missouri, 1913.
Forms No. 1, Univ. Missouri Bull. Med. Ser.

—— The prevention of tuberculosis. 36p. illust. 23cm. Columbia, Univ. Missouri, 1914.
Forms No. 6, Univ. Missouri Bull. Med. Ser.

—— Water, the prevention of its pollution. 18p. illust. diagr. 23cm. Columbia, Univ. of Missouri, 1914.
Forms No. 7, Univ. Missouri Bull. Med. Ser.
For obituary see J. Am. M. Ass., 1949, **139**: 539. Also N. York State J. M., 1949, **49**: 156. Also Q. Phi Beta Pi M., 1949–50, **46**: 54.

MITCHELL, Sir Peter Chalmers, 1864–1945.
Editor of **Mechnikov, E. I. I.** The nature of man. 309p. 23½cm. N. Y., 1903.
For biography see Brit. M. J., 1935, **1**: 935.
For obituary see Lancet, Lond., 1945, **2**: 53. Also London Hosp. Gaz., 1945, **48**: 239, portr. Also Nature, Lond., 1945, **156**: 103 (Hindle, E.)

MITCHELL, Philip Henry, 1883– A text book of general physiology. 2. ed. xviii, 799p. illust. diagr. 8° N. Y., McGraw-Hill Bk Co., 1932. Also 3. ed. xviii, 853p. 1938. Also 4. ed. 927p. 1948.

—— A textbook of biochemistry. xv, 640p. illust. tab. diagr. 23cm. N. Y., McGraw-Hill Bk Co., 1946.

—— & **TAYLOR, Ivon Roy.** Laboratory manual of general physiology. xv, 142p. illust. 23½cm. N. Y., McGraw-Hill Bk Co., 1938.

MITCHELL, Robert, 1778–1848.
Brush, E. C. Biography. In his Pioneer Physicians Muskingum Valley, Zanesville, 1890, 8.

MITCHELL, Robert Bruce, jr, 1901–
*The treatment of pernicious anemia [Marquette Univ.] 18p. 28cm. Milwaukee, 1930.
Typewritten.

MITCHELL, Robert Edgar, 1884–1948.
For obituary see Virginia M. Month., 1948, **75**: 158.

MITCHELL, Robert Lewis, 1881–1942.
For obituary see J. Baltimore Coll. Dent. Surg., 1943, **8**: 39.

MITCHELL, Robert Watkeys, 1892– A monograph covering the origin, history and significance of the term Castile soap, together with a discussion of the properties, uses, reputation, adulteration, and imitation of the product; based upon over 900 extracts from the literature of 400 years. 187p. 22½cm. Bost.[?] 1927.

MITCHELL, Samuel Grant, 1783[?]–1837.
Rice, T. B. The first physicians in Indianapolis. Month. Bull. Bd Health Indiana, 1949, **52**: 159–62.

MITCHELL, Samuel Latham, 1764–1831.
For biography see in Hist. N. York Acad. Sc. (Fairchild, H.) N. Y., 1887, 57–64, portr. Also in Coll. Physicians & Surg. N. York (Shrady, J.) N. Y., 1903, **1**: 40–2, portr. Also in Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, **2**: 179–81, portr. Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 806 (Francis, S. W.)
For portrait see Collection in Library.

MITCHELL, Silas Weir, 1829–1914.
—— On the inhalation of cinchonia, and its salts. 2p. 23½cm. [n. p.] 1858.

—— Fat and blood; an essay on the treatment of certain forms of neurasthenia and hysteria. 3. ed. 164p. 8° Phila., J. B. Lippincott & Co., 1884. Also 6. ed. Rev. by John K.

Mitchell. 168p. 19cm. 1893. Also 8. ed. by John K. Mitchell. 236p. 19½cm. 1900.

—— Hugh Wynne, free Quaker, sometime brevet lieutenant-colonel on the staff of His Excellency General Washington. 2v. 306p.; 261p. pl. 8° N. Y., Century Co., 1898.

See also:

Burr, A. R. B. Weir Mitchell; his life and letters. xii, 424p. 8° N. Y., 1929.

Memorial addresses and resolutions. 155p. 8° Phila., 1914.

Mumey, N. Silas Weir Mitchell, the versatile physician. 201p. 8° Denver, 1934.

Gildea, M. C. L., & Gildea, E. F. Personalities of American psychotherapists; Mitchell, Salmon, Riggs. Am. J. Psychiat., 1944–45, **101**: 464–6.—**Jirka, F. J.** An immortal son of Philadelphia. In his Am. Doctors of Destiny, Chic., 1940, 201–15, portr.—**Kieffer, J. E.** Silas Weir Mitchell, 1829–1914; general practitioner extraordinary. Pennsylvania Health, 1940, **1**: No. 10, 24–7.—**Knoepp, L. F.** Silas Weir Mitchell; his contribution to early American neurology. J. Michigan M. Soc., 1931, **30**: 851–7.—**Library** (The) of the late S. Weir Mitchell. Ann. M. Hist., 1941, 3. ser., **3**: 530.—**Podolsky, E.** Silas Weir Mitchell and the tired nerves. Med. Ann. District of Columbia, 1949, **18**: 188–90.—**Taylor, J. M.** Personal glimpses of S. Weir Mitchell, incidents in the life of the physician, scientist, novelist and poet narrated by his associate and assistant. Ann. M. Hist., 1929, n. ser., **1**: 583–98.—**Throckmorton, T. B.** Silas Weir Mitchell, a man of medicine and letters. J. Iowa State M. Soc., 1931, **21**: 55–63, portr.—**Tucker, B. R.** Speaking of Weir Mitchell. Am. J. Psychiat., 1936–37, **93**: 341–6.

—— Silas Weir Mitchell, 1829–1914; father of neurology and mentor of psychiatry in America. Ibid., 1943–44, **100**: No. 6, 80–6, portr.—**Voorhees, I. W.** Reminiscences of Dr. S. Weir Mitchell. Bull. N. York Acad. M., 1931, 2. ser., **7**: 40–8.—**Weinstein, B. B.** Holmes and Mitchell, two American poet-physicians. Phi Lambda Kappa Q., 1936–37, **11**: 13–6.

For obituary see Proc. Am. M. Psychol. Ass., 1914, 70. meet., 585 (Burr, C. W.)

For biography see in Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 802–5 (Mills, C. K.) Also Clin. M. & S., 1928, **35**: 863–5, portr. Also Tr. Coll. Physicians Philadelphia, 1929, **51**: 196–200 (Gibbon, J. H.) Also Arch. Neur. Psychiat., Chic., 1935, **34**: 643–8, portr. (Hyndman, O., & Cone, W.) Also in Montreal Neur. Inst. Neur. Biogr., Lond., 1936, 161–8, portr. (Hyndman, O., & Cone, W.) Also in Hist. Am. Physiol. Soc. (Howell, W. H.) Balt., 1938, 6–10, portr. Also Science, 1938, **87**: 474–8 (Carlson, A. J.) Also in Index biogr. (Acad. méd.) Par., 1939, 85. Also Clin. Excerpts, 1945, **19**: 195–202. portr. Also in Modern M. World (Kagan, S. R.) Bost., 1945, 62, portr. Also Periph. Vasc. Dis. (Allen, E. V. N.) Phila., 1946, 284, portr. (Allen, E. V., Barker, N. W., & Hines, E. A., jr)

For portrait see Collection in Library. Also Am. J. M. Sc., 1914, **147**: No. 2, front. Also Edinburgh M. J., 1914, n. ser., **12**: front. Also Ciba Symposia, 1944–45, **6**: 1776 (Sargent, J.) Also Q. Bull. Northwest. Univ. M. School, 1945, **19**: 147. Also Ciba Zschr., Basel, 1947–48, **10**: 4268.

—— **MOREHOUSE, George R., & KEEN, William W., jr.** Reflex paralysis; Circular No. 6, Surgeon General's Office, March 10, 1864 [Reprint, with introduction] vi, 23p. 21cm. N. Haven, Yale Univ. Sch. M., 1941.

MITCHELL, Sollace, 1858–1907.

Merritt, W. Biography. In his Cent. of Med. Jacksonville, etc., Gainesville, 1949, 127.

MITCHELL, Thomas Duché, 1791–1865.

Biddle, J. B. Introductory lecture delivered before the class of Jefferson Medical College, October 9, 1865: An account of the life and work of Dr. Thomas D. Mitchell. 4 l. 4° Phila., n. p., 1865.

Manuscript.

Schachner, A. Biography. In: Cyclop. Am. M. Biogr. (Kelly, H. A.) Phila., 1912, 2: 179. Also in: Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) Balt., 1920, 805.

MITCHELL, Thomas Houghton, 1862 (or 1863?)–1946.

For obituary see Brit. M. J., 1946, **2**: 443. Also Irish J. M. Sc., 1946, 805.

MITCHELL, Thomas John, 1882– , & **SMITH, G. M.** History of the Great War based on official documents: Medical services; casualties and medical statistics of the great war. xx, 382p. diagr. 8° Lond., H. M. Stat. Off., 1931.

MITCHELL, Thomas Robinson, 1815–74.

For biography see in Hist. R. Coll. Surgeons Ireland (Cameron, C. A.) Dubl., 1886, 633.

MITCHELL, Thomas Walker, 1869–1944.

For obituary see Brit. J. M. Psychol., 1944–45, **20**: 203–6.

MITCHELL, William, 1864–1933.

For obituary see Brit. J. Radiol., 1933, **6**: 188.

For portrait see Acta radiol., Stockh., 1928, Suppl. 5, 78.

MITCHELL, William Andrew.

—— A supposed author of Essay (An) on capacity and genius. 537p. 23cm. Lond., 1820 [?]

MITCHELL, William Augustus, 1877–1941. Outlines of the world's military history. viii, 751p. 8° Wash., Nat. Service Pub. Co., 1931.

MITCHELL, William C., 1868–1941.

For obituary see Hosp. Management, 1941, **52**: No. 4, 74.

MITCHELL, William Grady, 1896–1948.

For obituary see Ann. Int. M., 1949, **30**: 236 (Carter, D. W., jr.) Also J. Am. M. Ass., 1949, **139**: 243. Also Texas J. M., 1948–49, **44**: 634, portr.

MITCHELL, William Leland, 1893–

Ball, C. D. Biography. In his Orange Co. M. Hist., S. Ana, 1926, 168, portr.

MITCHELL, William McGregor [M. B. 1909]

For biography see Vet. Rec., Lond., 1946, **58**: 536, portr.

MITCHELL, William Thomas Burton, 1890–1941.

For obituary see Canad. M. Ass. J., 1941, **45**: 193. Also Am. J. Orthopsychiat., 1942, **12**: 363.

MITCHELLA.

Atchison, E. Cytogeography of Gleditsia and Mitchella. J. Hered., 1947, **38**: 311.

MITCHELL disease.

See **Erythromelalgia.**

MITCHELL HEGGS, Francis Sansome.

See **Heggs, Francis Sansome Mitchell.**

MITCHILL, Samuel Latham, 1764–1831.

For biography see:

Hall, C. R. A scientist in the early republic; Samuel Latham Mitchill, 1764–1831. 162p. 8° N. Y., 1934.

Also in Am. Biogr. (Preston, W.) N. Y., 1940, 702.

For portrait see Collection in Library. Also in Hist. M. Soc. Distr. Columbia, Wash., 1909, opp. p. 24. Also Rep. U. S. Nat. Mus. (1897) 1901, pt 2, pl. 60.

MITCHINER, Philip Henry, 1888–

The modern treatment of burns and scalds. ix, 64p. pl. 8° Lond., Baillière, Tindall & Cox, 1935.

—— Surgical emergencies in practice. 608p. 8° Lond., 1931.

See also **Romanis, W. H. C., & Mitchiner, P. H.** The science and practice of surgery. 2v. 8° Lond., 1927. Also 2. ed. 2v. N. Y., 1929. Also 4. ed. 2v. 1932. Also 6. ed. 2v. 1937. Also 7. ed. 2v. 1941. Also 8. ed. 2v. 1948.

For bibliography see in Index. d. titres Soc. internat. chir., Brux., 1933, **1**: 375.

—— & **COWELL, Ernest Marshall.** Medical organisation and surgical practice in air raids. viii, 247p. illust. pl. 20½cm. Lond., J. & A. Churchill, 1939.

MITCHINER, Philip Henry, & MACMANUS, Emily Elvira Primrose. Nursing in time of war. vi,169p. illust. plan. 13½cm. Lond., J. & A. Churchill, 1939. Also 2. ed. vii, 145p. 1943.

MITCHINER, Philip Henry, SHATTOCK, Clement Edward [et al.] Surgery for dental students. ix, 364p. illust. 8° Lond., Baillière, Tindall & Cox, 1936.

MITCHINER, Philip Henry, & WHYTE, Angus Hedley. A pocket surgery. vii, 272p. pl. 18½cm. Lond., J. & A. Churchill, 1943. Also 2. ed. 1946.

MITCHNIK, Rosa, 1909– *Soins pré- et post-opératoires dans la sténose hypertrophique congénitale du pylore. 55p. 25cm. Montpel., Impr. de La Presse, 1937.

MITE.

See also **Acarina**; also under specific and generic names of mites.

Jacot, A. P. Culture of non-predacious, non-parasitic mites. In: Cult. Meth. Invertebr. (Galtsoff, P. S.) Ithaca, 1937, 245.—**Murray, R. E.** Mites. In: Serv. Pub. Sch. Pub. Health Univ. Sydney, 1946, No. 6, 259–73.

—— Agricultural aspect.

UNITED STATES. DEPARTMENT OF AGRICULTURE. Bureau of Entomology. Circular No. 19, 2. ser., 2. ed. The clover mite. 4p. 8° Wash., 1897.

André, M. Sur la présence d'acariens parasites sur des pagures. C. rend. Soc. biol., 1937, **124**: 448.—**Rodionov, Z. S.** The qualitative and quantitative damage caused by grain mites. Rev. Appl. Entom., Lond., 1943, **31**: Ser. B, 39 (Abstr.)—**Zacher, F.** Beiträge zur Kenntnis phytophager Milben. Zool. Anz., 1931–32, **97**: 177–85.

—— Control.

See also **Miticide.**

Cutright, C. R. Populations of the European red mite as affected by spray schedules. J. Econ. Entom., 1944, **37**: 499–502.—**Holloway, J. K., Henderson, C. F., & McBurnie, H. V.** Population increase of citrus red mite associated with the use of sprays containing inert granular residues. Ibid., 1942, **35**: 348–50.—**Newell, I. M.** Quantitative methods in biological and control studies of orchard mites. Ibid., 1947, **40**: 683–9.

—— Ecology.

HUKUSIMA, G. Kedani ni kan-suru kenkyū [Studies on domestic mites] p.615–83. 22cm. Kyoto, 1937.

In: Kokumin eisei, 1937, **14**:

MILLER, A. E. An introductory study of the Acarina, or mites, of Ohio. p.85–172. 8° Wooster, 1925.

Forms No. 386, Bull. Ohio Agr. Exp. Sta.

Keifer, H. H. Eriophyid mites, especially imported species, in California. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., **4**: 397–401.—**Lawrence, R. F.** Studies on some parasitic mites from Canada and South Africa. J. Parasit., Lanc., 1948, **34**: 364–79.—**Morlan, H. B., & Strandtmann, R. W.** The occurrence of neotropical mites in the United States. Ibid., 1949, **35**: 217.—**Newell, I. N.** An ecological and taxonomic study of the marine intertidal mites of Long Island Sound. Anat. Rec., 1944, **89**: 558.—**Smaragdova, N. P.** [The interaction between phyrophagous and predatory mites in relation to their environment and concentration] Bull. biol. méd. exp. URSS, 1936, **2**: 99.—**Szalay, L.** Die erste Wassermilbe (Hydrachnellae) aus unterirdischen Gewässern in Ungarn. Zool. Anz., 1943, **142**: 45–51.—**Viets, K.** Ueber die Verbreitung der Kaltwasser und Strömung liebenden Wassermilben in Europa. Forsch. & Fortsch., 1940, **16**: 394.—**Willmann, C.** Ueber eine eigenartige Milbenfauna im Küstengrundwasser der Kieler Bucht. Schr. Naturwiss. Vercin. Schl. Holstein, 1933–34, **20**: 422–34.

—— Parasitism.

Billiard, G. Infestation par des acariens des milieux servant à la culture des bactéries. Bull. Soc. zool. France, 1919, **44**: 175–8.—**Korkhaus, R.** Ueber das Auftreten von Futtermilben im Magen und Darm von Hunden. Berl. tierärztl. Wschr., 1933, **49**: 389–91.

—— Parasitism, human.

See also names of mites as **Demodecidae; Liponyssidae.**

Arnold, H. L., jr, & **Arnold, H. L.,** sr. The diagnosis and management of bird-mite bites. Proc. Clinic, Honolulu, 1943, **9**: 41–4.—**Baker, D. W.** Some mites injurious to domestic animals and man encountered recently by New York State veterinarians; chorioptic mange of the horse; psoroptic mange, scabies, of the cow; acariasis, Liponyssus spp., of the fowl, dog and man. Cornell Vet., 1942, **32**: 326–33.—**Carle, M.** Sur une éruption automnale due à un acare: l'aoûtat. Paris méd., 1935, **95**: 51–5.—**Carter, H. F., Wedd, G., & D'Abrera, V. S.** The occurrence of mites (Acarina) in human sputum and their possible significance. Ind. M. Gaz., 1944, **79**: 163–8.—**Cleveland, D. E. H.** Mite dermatitis. Arch. Derm. Syph., Chic., 1940, **41**: 831–4.—**Davies, J. H. T.** Another acarine disease. Brit. J. Derm. Syph., 1938, **50**: 243.—**Dowling, G. B., & Thomas, E. W. P.** Cheese itch; contact dermatitis due to mite-infested cheese dust. Brit. M. J., 1942, **2**: 543.—**Faust, E. C.** Mite infestations. In: Modern Med. Ther. (Barr, D. P.) Balt., 1940, 2: 1971–4.—**Krantz, W.** Der Nachweis der Krätzemilben. Münch. med. Wschr., 1940, **87**: 445–7.—**Manson-Bahr, P., & Muggleton, W. J.** Significance of mites and their eggs in human faeces. Lancet, Lond., 1945, **1**: 81.—**Remlinger, P., & Bailly, J.** Présence accidentelle dans l'urine de Glyciphagus cursor. Maroc méd., 1943, 99.—**Rokstad, I.** Middbefengt fiken som årsak til yrkeseksem. Nord. med., 1941, **12**: 3721–7.—**Saitō, S.** Sinyō-tyū ni mitomerare-taru hi ga zintai ni oyobosu eikyō ni tuite [The effect on the human body of the pupae of the mites detected in the feces and urine] Zikken syōkaki byōgaku, 1944, **19**: 113–23.—**Sasa, M.** Zintai-nai dani-kisei-syō ni kan-suru sin-tiken [A new report on infestation of human bodies with mites] Nissin igaku, 1947, **34**: 167–70.—**Schelcher, R.** Ueber Milbenbefund im Stuhl. Arch. Kinderh., 1928, **83**: 214.—**Thiel, P. H. van, & Ommeren, H. van.** [Observations on the potato-lice in Surinam with special reference to the reaction of the human skin to the presence of mite-larvae] Geneesk. tschr. Ned. Indië, 1940, **80**: 1638–54, 3 pl.—**Thompson, A. G. G.** Mites and occupational diseases. J. State M., Lond., 1925, **33**: 419–27.

—— Public health aspect.

Bohm, E. Beitrag zum Nachweis von Milben in Lebens- und Futtermitteln. Zschr. Veterinärk., 1942, **54**: 99–102.—**Conant, R., & Perkins, R. M.** This mite question. Bull. Antivenin Inst. America, 1931, **5**: 36–9.—**Ermel, O.** Zur Hausmilbenplage in einer Mietwohnung. Prakt. Desinfekt., 1942, **34**: 123.—**Peus, F.** Bemerkungen zur Milbenplage in Wohnungen. Zschr. hyg. Zool., 1941, **33**: 30–6.—**Pooman, A.** Erfahrungen mit einigen Milben. Arch. Schiffs & Tropenhyg., 1935, **39**: 199–205.—**Robertson, P. L.** A technique for biological studies of cheese mites. Bull. Entom. Res., Lond., 1944–45, **35**: 251–5.—**Thompson, A. G. G.** Mites in table salt. Lancet, Lond., 1943, **2**: 460.—**Weidner, H.** Die an Vorräten schädlich werdenden Milben. Zbl. ges. Hyg., 1942–43, **50**: 659 (Abstr.)—**Willmann, C.** Milben aus deutschen Mineralquellen. Zool. Anz., 1942; **139**: 237–47.

—— Vector of disease.

Brookman, B. Collecting large numbers of live mites from bird nests for virus studies. CDC Bull., Atlanta, 1950, **9**: No. 2, 26.—**Yamada, S.** Observations on a house-infesting mite (Liponyssus nagayoi, n. sp.) which attacks human beings, rats, and other domestic mammals, with brief notes of experiments regarding the possibility of plague-transmission by means of this mite. Tr. Far East. Ass. Trop. M., 1930, **2**: 358–72, 2 pl.

—— Veterinary aspect.

Baker, D. W. Some mites injurious to domestic animals and man encountered recently by New York State veterinarians; chorioptic mange of the horse; psoroptic mange (scabies) of the cow; acariasis (Liponyssus spp.) of the fowl, dog, and man. Rep. N. York State Vet. Coll. (1941–42) 1943, 114–20.—**Benbrook, E. A.** Mites of poultry. In: Dis. Poultry (Biester, H. E., & Devries, L.) Ames, 1943, 618–27.—**Bishopp, F. C.** Poultry mites. Yearb. U. S. Dep. Agr., 1942, 1055–61.—**Ford, C. M.** A non-parasitic mite in rabbits' fur. Vet. Rec., Lond., 1944, **56**: 115.—**Wilcox, E. V.** Cytodites nudus in the common fowl. Zbl. Bakt., 2. Abt., 1900, **6**: 147–53.—**Williams, W. L.** The air sac mite of the fowl. Am. Vet. Rev., 1898, **22**: 8.

—— Zoology.

Doetschman, W. H. The occurrence of mites in pinnipeds, including a new species from the California sea-lion, Zalophus californianus. J. Parasit., Lanc., 1941, **27**: Suppl., 23.—**Ewing, H. E.** A new pit-producing mite from the scales of a South American snake. Ibid., 1933, **20**: 53–6.—**Ginecinskaja, T. A.** A new form of adaptation of feather mite Freyana anatina Koch to the moult of the host. C. rend. Acad. sc. URSS, 1942, **37**: 146–9.—**Jameson, E. W.,** jr. A new mite, Ichoronyssus hubbardi, from the mountain beaver, Aplodontia rufa (Rafinesque) J. Parasit., Lanc., 1949, **35**: 109–15.—**Lawrence, R. F.** The prostigmatic mites of South African lizards. Parasitology, Lond., 1935, **27**: 1; 1936, **28**: 1. ——— A new mite from the South African pangolin. Ibid., 1939, **31**: 451–7.—**Radford, C. D.** Notes on some new species of parasitic mites. Ibid., 1938, **30**: 427; passim. ——— New parasitic mites (Acarina) Ibid., 1942, **34**: 295–307.—**Strandtmann, R. W.** The mesostigmatic nasal mites of birds; two new genera from shore and marsh birds. J. Parasit., Lanc., 1948, **34**: 505–14.—**Vitzthum, H.** Neue parasitische Fledermausmilben aus Venezuela. Zschr. Parasitenk., 1931–32, **4**: 1–47.

MITEFF, Mladen. *Traitement de la tuberculose par vibroinhalation. 19p. 8° Genève, Impr. du Commerce, 1929.

MITEFF, Pierre N., 1909– *Le nouveau traitement du tétanos (méthode phylactique) 48p. 8° Par., Jouve & cie, 1934.

MITELLA 1.

Joleaud, A. Le genre Mitella. C. rend. Soc. biol., 1913, 74: 417–20.

MITELLA 2.

See **Bandage.**

MITELLI, Guiseppe Maria, 1634–1718.

Unfehlbares (Ein) Geheimmittel, um niemals zu sterben. Ciba Zschr., Basel, 1936–37, 4: 1286.

MITEREV, Georgij A. [Как охраняется здоровье в СССР] La protection de la santé publique en U. R. S. S. 36p. illust. 16cm. Moskva, Ed. Langues étrangères, 1944.

—— [The same] Cum este apărată Sănătatea Publică în U. R. S. S. 40p. 17cm. Moskva, Ed. Limbi străine, 1944.

—— Очередные задачи Академии медицинских наук СССР; вступительное слово на учредительной сессии. 20p. 21½cm. Moskva, Medgiz, 1945.

Also editor of **Russia.** Комиссариат здравоохранения. Двадцать пять лет Советского здравоохранения. 296p. 30½cm. Moskva, 1944.

MITGAU, Helena, 1894– *Zur Frage der übertragenen Kinder. 29p. 8° Jena, Hellas, 1937.

MITHRIDATISM.

See also **Arseno-resistance.**

Guédon, M. *Etude comparée de la résistance aux poisons suivant l'âge. 24p. 8° Par., 1920.

Folger, H. T. Acclimation of Bufo tadpoles to ethyl and methyl alcohols. Science, 1927, **66:** 18.—**Smart, W. A. M., & Penman, W. J.** Mithridatism. London Hosp. Gaz., 1942–43, **46:** 74–7.

MITHRIDATO, Fra [pseud.?] Esame critico di Pietro Andrea Mattioli. 211p. 8° Nap., Fil. Cessari, 1767.

MITICIDE.

See also **Mite,** Control; also this heading in the Military Section of the volume.

Linduska, J. P., & Morton, F. A. Additional tests of benzene hexachloride (British 666) for the field control of chiggers. 13p. 28cm. Wash. [?] 1945.

Forms No 109, Rep. Insect Control Com. U. S. Nat. Res. Counc.

—— & McDuffie, W. C. Preliminary tests of selected materials for the field control of chiggers. 11p. 28cm. Wash. [?] 1945.

Forms No. 106, Rep. Insect Control Com. U. S. Nat. Res. Counc.

McCollough, G. T., & Jones, H. A. Deposition of miticides on cloth. 5p. 28cm. Wash. [?] 1945.

Forms No. 111, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Snyder, F. M., & Morton, F. A. Screening tests conducted in a search for new miticides. 14p. 28cm. Wash. [?] 1945.

Forms No. 18, Rep. Insect Control Com. U. S. Nat. Res. Counc.

—— Results of screening tests with materials for use as miticides. 82p. 28cm. Wash. [?] 1945.

Forms No. 130, Rep. Insect Control Com. U. S. Nat. Res. Counc.

—— & Knipling, E. F. Results of field tests with certain promising miticides. 8p. 28cm. Wash. [?] 1944.

Forms No. 4, Rep. Insect Control Com. U. S. Nat. Res. Counc.

Bousquet, E. W., Cochran, J. H., & Krister, C. J. Miticidal compositions comprising a 2,2-bis-(para-alkoxyphenyl)-propane. U. S. Patent Off., 1950, No. 2,504,382.—**Bushland, R. C.** Miticides and mite control. In: Ricketts. Dis. Sympos., Wash., 1948, 241–7.—**Fayette, L. J., Hensill, G. S., & Cassil, C. C.** Hexaethyl tetraphosphate for control of mites. J. Econ. Entom., 1946, **39:** 812.—**Hammer, O. H.** Miticidal composition comprising di-(4-chlorophenoxy)-methane and the dicyclohexylamine salt of 2,4-dinitro-6-cyclohexyl-phenol. U. S. Patent Off., 1950, No. 2,524,728.—**Jeppson, L. R.** Di-(4,chlorophenoxy)-methane for control of citrus red mite. J. Econ. Entom., 1946, **39:** 813.—**Kagy, J. F., & McCall, G. L.** Dust mixtures of a phenol salt for control of mites. Ibid., 1941, **34:** 119.—**Kyrides, L. P., & Zienty, F. B.** Thenyl esters and miticide compositions containing the same. U. S. Patent Off., 1950, No. 2,519,383.—**Morrill, H. L., & Weinman, C. J.** Chlorinated orthonitrobiphenyl miticide composition. Ibid., No. 2,524,069.—**Peters, L.** Oral toxicity of a new miticide, di-(p-chlorophenyl)-methylcarbinol. Proc. Soc. Exp. Biol., N. Y., 1949, **72:** 304–6.

MITIGAL.

Syn.: Dimethyl-diphenylene-disulfide.

See also **Acariasis,** Treatment; **Mange.**

Brixner, L. Ueber Anwendung und Wirkung von Mitigal in der Veterinärmedizin. Münch. tierärztl. Wschr., 1923, **74:** 169–73.—**Funk, G.** Vergiftungserscheinungen nach Anwendung von Mitigal bei einem Säugling. Med. Klin., Berl., 1926, **22:** 1763.

MITINA, A. D. Полезные и вредные игрушки. 32p. 19cm. Moskva, Gosud. med. izdat., 1929.

MITJAVILA y Fisonéll, Vincente, –1805. Compendio de la nueva teoria médico-Browniana. p.1–24. 15cm. Barcel., 1799.

In: Llave pract. med. Browniana (Weikard, M. A.)

Also translator of **Weikard, M. A.** Llave de la práctica médico-Browniana. 75p. 15cm. Barcel., 1799.

MITLACHER, Wilhelm, 1872–1913. Pharmakognosie. xxiv, 269p. illust. 25cm. Wien, C. Fromme, 1909.

Forms v.4, Lehrb. f. Aspiranten d. Pharm.

For biography see in Med. Liter. Schriftstell. Vademec. (Albert, H.) Hamb., 1908, 329. Also C. rend. Congr. internat. plant. méd. (1931) 1932, 4. Congr., 4, portr.

MITMAN, Maurice [M. D., 1928, London]

See **Harries, E. H. R., & Mitman, M.** Clinical practice in infectious diseases. 468p. 22c½m. Edinb., 1940, Also 2. ed. 570p. 1944. Also 3. ed. 679p. 1947.

MITOCHONDRIA.

See also subheadings of **Cell** (Chondriosome; Golgi material; Granulation) also **Microsome.**

Bourne, G. Mitochondria and Golgi apparatus. In his Cytology, Oxf., 1942, 99–138, 6 pl.—**Frey-Wyssling, A.** Biosomes. In his Submicrosc. Morph., N. Y., 1948, 131.—**Nasonov, D.** Mitokhondrii. In: Bolsh. med. encikl., 1931, **18:** 457–9.—**Schneider, H.** Einige Ergebnisse und Kontroversen der Chondriosomenforschung. Naturwiss. Wschr., 1912, **11:** 225–30.

—— Biology.

Broussy, J., & Bourdon, P. Sur l'existence d'un cycle évolutif du chondriome des cellules déciduales du rat blanc. Bull. histol. appl., Lyon, 1943, **20:** 59–62.—**Christiansen, E. G.** Orientation of the mitochondria during mitosis. Nature, Lond., 1949, **163:** 361.—**Dehorne, A.** Formes sécrétantes du chondriome modifié. C. rend. Soc. biol., 1938, **128:** 964–7. —— Un exemple de modification du chondriome dans le sens d'un apport figuré à la prosécrétion. Ibid., 1939, **130:** 892–4.—**Gonçalves da Cunha, A.** Sur l'évolution du chondriome. Tr. Laborat. Inst. Rocha Cabral, 1936, **10:** Art. 13. —— La théorie du chondriome végétal. Chron. Bot., 1942–43, **7:** 397–9.—**MacCardle, R. C.** The effect of temperature on mitochondria in liver cells of fish. J. Morph., 1937–38, **61:** 613–34, 3 pl.—**Meisel, M. N.** O funkcionalnom znachenii khondriosomnogo apparata kletki. Biul. eksp. biol. med., 1945, **19:** 16–9.—**Nachtsheim, H.** Sind die Mitochondrien Vererbungsträger? Naturwiss. Wschr., 1914, **13:** 580–3.—**Newcomer, E. H.** Concerning the duality of the mitochondria and the validity of the osmiophilic platelets in plants. Am. J. Bot., 1946, **33:** 684–97.—**Sajner, J.** Mitochondrie a Golgiho aparát. Biol. listy, Praha, 1947, **28:** 186–93.—**Satō, I.** Siryūtai oyobi Golgi-tai bunretu ni kansuru kenkyū [Studies on the division of chondriocontes and Golgi corpuscles] Igaku & seibutugaku, 1942, **2:** 599; passim.—**Szepsenwol, J.** Le rôle morphogénétique du chondriome. Bull. histol. appl., Lyon, 1934, **11:** 302–22.—**Vallmitjana, L.** Consideraciones sobre la fisiología del condrioma; adiciones y aclaraciones a trabajos anteriores. Acta méd. hisp., 1948, **6:** 365–82.—**Wilke.** Ueber Verhalten und Herkunft der Mitochondrien. Naturwiss. Wschr., 1913, **12:** 145–54.—**Yamasaki, M.** Zur Frage der Teilnahme der Plastosomen an der Bildung des Golgischen Binnennetzes resp. Vakuoms im Lichte der Vitalfärbung. Arb. Anat. Inst. Univ.

Sendai, 1936, H. 18, 185–206.—**Zollinger, H. U.** Experimenteller Beitrag zur Frage der Mitochondrienfunktion. Experientia, Basel, 1948, **4**: 312–4.

—— Cytology.

Adati, T. I-nenmaku koyū-zyōhi-saihō ni okeru mitochondria ni tuite [Mitochondrien der eigentlichen Epithelzellen der Magenschleimhaut] Hukuoka acta med., 1940, **33**: 1339–55, 3 pl.—**Anderson, L. E.** Mitochondria in the life cycles of certain higher plants. Am. J. Bot., 1936, **23**: 490–500.—**Browne, K. M. R.** The Golgi apparatus and other cytoplasmic bodies in Spirostomum ambiguum. J. R. Micr. Soc., Lond., 1938, **58**: 188–99, 3 pl.—**Bulliard, H.** Mitochondries dans les ovocytes de Cistudo lutraria. C. rend. Ass. anat., 1923, **18**: 536.—**Chatton, E.** Le chondriome périnucléaire et radiaire du rhizopode protéomyxé Paradinium poucheti Chatton. C. rend. Soc. biol., 1940, **134**: 232.—**Feyel, T.** Le chondriome juxtanucléaire dans la fibre musculaire striée de la grenouille. Ibid., 1938, **127**: 1212–4.—**Heim, P.** Sur le chondriome des phalloïdées. C. rend. Acad. sc., 1948, **226**: 266–8.—**Hsu, W. S.** The Golgi material and mitochondria in the salivary glands of the larva of Drosophila melanogaster. Q. J. Micr. Sc., Lond., 1948, **89**: 401–14.—**Hukase, M.** Rinpa-kyū no mitochondria ni kan-suru zikken-teki kenkyū; rinpa kessetu, rinpa oyobi ketucki rinpa-kyū no mitochondria no hikaku [Experimental studies on the mitochondria of lymphocytes; comparative studies of lymphocyte-mitochondria from lymphatic gland, from lymph, and from blood] Acta haemat. jap., 1949, **12**: 47–59. ——— Tai-gai ni hōti-sita rinpa rinpa-kyū no mitochondria syōtyō [Changes in the mitochondria of lymphocytes in vitro] Ibid., 59–63.—**Hukusima, S.** Experimentelle Untersuchungen über die vitale Färbung am Auge; experimentelle Untersuchungen über den Einfluss des retikuloendothelialen Systems im Ciliarkörper auf die Golgischen Apparate und die Mitochondrien in den Zellen des Ciliarkörperepithels. Jap. J. M. Sc., Ophth., 1942–43, **3**: 393.—**Isimoto, M., & Williams, C. M.** Giant mitochondria in the flight muscles of insects. Anat. Rec., 1949, **105**: 575.—**Jones, O. P.** Mitochondria and their relation to the so-called hyaloplasm. J. Laborat. Clin. M., 1947, **32**: 700–19.—**Macklin, C. C.** Mitochondria of the villus epithelial cells of the finest bronchioles of the albino mouse, and their experimental alteration in vivo by ascorbic acid. Rev. canad. biol., 1949, **8**: 328.—**Meisel, M. N., & Kondratjeva, T. M.** Khondriosomnyj apparat v kletkakh nizšikh rastitelnykh organizmov. Mikrobiologia, Moskva, 1945, **14**: 244–7.—**Mizutani, Y.** Zytologische Untersuchungen der menschlichen Leber; über die Mitochondrien der menschlichen Leberzellen. Okajimas fol. anat., 1942–44, **22**: 675–97, 2 pl.—**Ogata, H.** Ratte no kan-saihō no Mitochondria no keitaigaku-teki kenkyū hoi; kenkō-Ratte no kan-saihō no Mitochondria no kaku syōyō-nai ni okeru hairetu ni tuite [Supplementary studies on mitochondria of the liver cells of the albino rat; on the arrangement of mitochondria in each liver lobule of the albino rat] Sei i kwai M. J., 1933, **52**: 123–44, 8 pl. ——— Kenkō Ratte no kan-saihō no mitochondria no kaku ziturei aruiwa kaku syūrei ni yoru tikurei-teki kensa [The mitochondria of the liver cells of normal albino rats in various stages of postnatal growth from birth to the 47th week] Ibid., 971–88, 2 pl.—**Okusawa, T.** Mōyōtai zyōhi-saihō no Mitochondria ni tuite no kenkyū [Studien über die Mitochondria in den Zellen des Ciliarkörperepithels] Acta Soc. ophth. jap., 1934, **38**: 986–1004, illust.—**Saksena, R. K.** Observations sur le chondriome de Pythium de Baryanum Hesse. C. rend. Soc. biol., 1932, **111**: 751–3.—**Sorokin, H.** Mitochondria and plastids in living cells of Allium cepa. Am. J. Bot., 1938, **25**: 28–33.—**Twiss, W. C.** A study of plastids and mitochondria in Preissia and corn. Ibid., 1919, **6**: 217–34. 2 pl.—**Weisz, P. B.** On the mitochondrial nature of the pigmented granules in Stentor and Blepharisma. J. Morph., 1950, **86**: 177–84.—**Yasui, H.** Inu-kaityū syo-zōki no bisai-kōzō toku-ni siryūtai ni kan-suru kenkyū; inu-kaityū syo-zōki no siryūtai no seizyō-kei ni tuite [Studies on the microscopic structure of the various organs of Toxocara canis, especially on the mitochondria; the normal shape of the mitochondria of the various organs of Toxocara canis] Zikken igaku zassi, 1943, **27**: 655–68.—**Yūge, T.** Ruisen-saihō no bunyi-karyū oyobi Mitochondria ni kan-suru kenkyū [Ueber die Sekretgranula und Mitochondria in den Zellen der Tränendrüse] Acta Soc. ophth. jap., 1934, **38**: 835–72, incl. 3 pl.

—— Demonstration and staining.

Champy. Démonstration de mitochondries dans diverses cellules. C. rend. Ass. anat., 1909, **11**: 302.—**Guilliermond, A.** La coloration vitale des chondriosomes. Bull. histol. appl., Lyon, 1940, **17**: 225–37.—**Ito, T., & Mizutani, Y.** Ueber die gleichzeitige Darstellung von Glykogen und Golgiapparat sowie Mitochondrien in den Knorpel- und Leberzellen mittels der Bauer'schen Methode. Okajimas fol. anat., 1941–42, **21**: 27–35.—**Ito, T., & Nagahiro, K.** Zytologische Untersuchungen der Epithelzellen der menschlichen Gallenblase mittels der Bauerschen Methode mit besonderer Berücksichtigung der gleichzeitigen Darstellung von Schleimstoff und Golgiapparat sowie Mitochondrien. Ibid., 37–46.—**Jones, O. P., & Hayes, E. R.** Application of Fain-Wolfe mitochondrial technic to dry fixed blood smears. Anat. Rec., 1950, **106**: 275.—**Lazarow, A., Cooperstein, S. J., & Patterson, J. W.** The chemistry of Janus green staining of mitochondria. Ibid., 1949, **103**: 482.—**Monné, L.** Ueber die Farbenveränderung der Mitochondrien und des Golgi-Apparates im Dunkelfeld. Arch. exp. Zellforsch., 1939, **23**: 157–68. ——— Ueber die elektive Vitalfärbung des Vakuoms und der Mitochondrien sowie über die diffuse Vitalfärbung des gesamten Zytoplasmas. Ibid., 1942, **24**: 373–93.—**Ohizumi, S.** Mitochondria to bunpitu karyū no dōzi bunbetu sensyoku-hō [Method of simultaneously staining distinctively mitochondria and secretory granules] Igaku & seibutugaku, 1944, **5**: 691.—**Polak, M.** Sobre una técnica sencilla para la impregnación argéntica del condrioma. Arch. Soc. argent. anat., 1946, **8**: 177–84.—**Randavel, C.** Recherches sur la présence d'acide ribonucléique au niveau du chondriome dans divers organes de la souris blanche; action de la ribonucléase sur la colorabilité du chondriome et de l'ergastoplasme par l'hématoxyline ferrique. C. rend. Soc. biol., 1948, **142**: 395.—**Regaud, C., & Favre.** Démonstration des mitochondries dans les fibres musculaires striées. C. rend. Ass. anat., 1909, **11**: 298.—**Saguchi, S., & Murasawa, M.** Eine neue Darstellungsmethode der Mitochondrien. Jap. J. M. Sc. Anat., 1940, **8**: Proc., 12.—**Satō, I., & Sinagawa, Y.** Tannin-gin-sensyoku-hō ni yoru chondriosome no kensyutu ni tuite [Detection of chondriosomes by means of the tannin-silver staining method] Igaku & seibutugaku, 1944, **5**: 492.—**Shay, D. E.** A study of the hepatic cell mitochondria of the rat by the perfusion method. Abstr. Theses Grad. School Univ. Maryland, 1942–44, 49.

—— Immunology.

Biologic specificity of mitochondria. J. Am. M. Ass., 1941, **116**: 56.—**Snell, G. D.** The production in mice of antibodies against mouse mitochondria and microsomes. Anat. Rec., 1949, **105**: 573.

—— Metabolism and biochemistry.

Baker, J. R. Chemical composition of mitochondria. Nature, Lond., 1942, **149**: 611.—**Benditt, E. P.** Enzymes, mitochondria, and the liver protein reserves. Proc. Inst. M. Chicago, 1948–49, **17**: 403.—**Fauré-Fremiet, E., Mayer, A., & Schaeffer, G.** Microchimie des éléments mitochondriaux du myocarde. C. rend. Ass. anat., 1910, **12**: 70–5.—**Frei, J., & Leuthardt, F.** La synthèse biologique de la glutamine et les mitochondries. Schweiz. med. Wschr., 1950, **80**: 179.—**Giroud, A.** Observations microchimiques sur les chondriosomes; réaction des substances protéiques. C. rend. Ass. anat., 1925, **20**: 252–4, illust. ——— **Leblond, C. P., & Marquez, J.** Localisation de la vitamine C au niveau du chondriome et du réseau de Golgi. Ibid., 1934, **29**: 291–4, illust.—**Hogeboom, G. H., Schneider, W. C., & Pallade, G. E.** Cytochemical studies of mammalian tissues; isolation of intact mitochondria from rat liver; some biochemical properties of mitochondria and submicroscopic particulate material. J. Biol. Chem., 1948, **172**: 619–35, 2 pl.—**Ikeda, T.** Ueber die Veränderung des Golgischen Apparates und der Mitochondrien bei den mit Cholesterin oder Lezithin behandelten Tieren. Arb. Med. Univ. Okayama, 1928–30, **1**: 147–57, illust.—**Li, C. T., & Roberts, E.** Amino acids in the mitochondrial fractions of tissues as determined by paper partition chromatography. Science, 1949, **110**: 559.—**Ogata, H.** Ratte no kan-saihō no mitochondria no keitaigaku-teki kenkyū hoi; kenkō-Ratte no kan-saihō no mitochondria no syoku-go 24-zikan inai no tikuzi-teki kensa [Supplementary studies on the mitochondria of the liver cells of the albino rat; on the morphological changes in the mitochondria in liver cells after feeding] Sei i kwai M. J., 1933, **52**: 456–85, 2 pl.—**Pollister, A. W.** Mitochondrial orientations and molecular patterns. Physiol. Zool., 1941, **14**: 268–80, pl.—**Randavel, C.** Contribution à l'étude histochimique du chondriome des cellules animales. C. rend. Acad. sc., 1948, **226**: 1107. ——— Recherches sur la présence d'acide ribonucléique au niveau du chondriome dans divers organes de la souris blanche; technique, premières observations; interprétation des résultats. C. rend. Soc. biol., 1948, **142**: 392–4. ——— Sur la présence d'acide ribonucléique au niveau du chondriome. Acta anat., Basel, 1949, **7**: 225–33.—**Zollinger, H. U.** Zum qualitativen Nucleoproteingehalt und zur Morphologie der Mitochondrien. Experientia, Basel, 1950, **6**: 14–6.

—— Microscopy.

Claude, A., & Fullam, E. F. An electron microscope study of isolated mitochondria. J. Exp. M., 1945, **81**: 51–62, 2pl.—**Guilliermond, A.** Présentation de préparations mitochondriales de diverses cellules végétales. C. rend. Ass. anat., 1921, **16**: 277.—**Monné, L.** Polarisationsoptische Untersuchungen über den Golgi-Apparat und die Mitochondrien männlicher Geschlechtszellen einiger Pulmonaten-Arten. Protoplasma, Lpz., 1939, **32**: 184–92.—**Mühlethaler, K., Müller, A. F., & Zollinger, H. U.** Zur Morphologie der Mitochondrien. Experientia, Basel, 1950, **6**: 16.—**Ogata, H.** Ratte kan-saihō no mitochondria no keitaigaku-teki kenkyū ni yo no siyō-seru kenkyū hōhō [Methods of research used by the author in morphological studies on the mitochondria in the liver cells of the rat] Sei i kwai M. J., 1933, **52**: 867–71.—**Roberts, H. S.** Changes in mitochondrial form. Anat. Rec., 1949, **104**: 163–87, incl. 2pl.

—— Pathology.

Chasovnikov, N. S. [Modifications de l'appareil réticulaire de Golgi et des chondrosomes dans les cellules glandulaires des glandes sous-maxillaires dans l'épuisement et la restitution] Méd. exp., Kharkov, 1937, 5–18.—**Grynfeltt, E.** Sur la multiplication des chondriosomes au cours de la prolifération des

cellules néoplasiques dans la tumeur de Flexner-Jobling. Arch. Soc. sc. méd. biol. Montpellier, 1934–35, **16**: 55–7.—**Hukase, M.** Rinpa-kyū kata-syō ni okeru rinpa-kyū no mitochondria no sydtyō [Variations in the mitochondria of lymphocytes in lymphocytosis] Acta haemat. jap., 1949, **12**: 111–8. ——— Aku-ekisitu ni yoru rinpa-kyū gensyō-syō wo okosita sai no rinpa-kyū no mitochondria no henka [Changes in the mitochondria of lymphocytes in lymphopenia due to cachexia] Ibid., 118–25.—**McCurdy, M. B. D.** Mitochondria in liver cells of fed and starved salamanders. J. Morph., 1939, **64**: 9–35.—**Masayama, T.** Massyō-sinkei setudan ni yoru sinkei-saihō bisai-kōzō no henka ni tuite; mitochondria [Changes in the microscopic structure of the nerve-cells caused by severing the peripheral nerves; mitochondria] Osaka igakkai zassi, 1942, **41**: 770–5, 3pl.—**Ogata, H.** Kenkō Ratte kan-saihō no mitochondria no kiga-zi ni okeru keitaigaku-teki henka [Morphological changes in the mitochondria of the liver cells of the normal albino rat in starvation] Sei i kwai M. J., 1934, **53**: 89–114, 3pl. ——— Ratte no kan-saihō no mitochondria no keitaigaku-teki kenkyū hoi; kenkō Ratte no kan-saihō no mitochondria no si-go no henka [Supplementary studies on the mitochondria of the liver cells of the albino rat; postmortal changes in the mitochondria in the liver cells of the normal albino rat] Ibid., 120a–46, 4pl.—**Zollinger, H. U.** Cytologic studies with the phase microscope; the mitochondria and other cytoplasmic constituents under various experimental conditions. Am. J. Path., 1948, **24**: 569–89, incl. 3pl.

MITOCLASIS.

See also **Cell-division,** Karyokinesis; **Genetics.**

Deysson, G. Sur l'action mitoclasique du phényluréthane. C. rend. Acad. sc., 1944, **219**: 366–8. ——— La mitose des végétaux et ses modifications expérimentales. Pharm. fr., 1949, **53**: 67; 111.—**Pacault, A., Carpentier, S., & Séris, L.** Action mitoclasique de certains dérivés du naphtalène, et relation entre cette propriété et la structure électronique. Rev. sc., Par., 1947, **85**: 157–61.—**Sentein, P.** Nouvelles observations sur l'action des substances antimitotiques; effets de la colchicine, du chloral et du carbamate d'éthyle (uréthane) sur la segmentation de l'oeuf d'amphibien. C. rend. Ass. anat. (1948) 1949, **35**: 355–63.

MITOFF, Véné, 1901– *La pyélonéphrite du nourrisson. 84p. 8° Par., M. Vigné, 1935.

MITOGENESIS.

See also **Cell-division,** Karyokinesis: Mitogenesis; **Mitosin; Mitotic poison.**

Baron, M. [Contact action of the mitogenetic field] Arkh. biol. nauk, 1934, Ser. B, 5–27. Also Radiobiologia, Venez., 1935–36, 81–110.—**Castaldi, L., & Maxia, C.** A proposito di una critica all'induzione mitogenetica. Boll. Soc. ital. biol. sper., 1938, **13**: 1010.—**Chalkley, H. W.** Effect of certain sulfur-containing compounds on the initiation of mitosis in Amoeba proteus. J. Nat. Cancer Inst., 1941–42, **2**: 425–47.—**Gurvić, A. G.** [Certain questions of mitogenesis] Arkh. biol. nauk, 1937, **46**: No. 3, 3–10.—**Klenicky, J. S.** Mitogenetićeskoe izlućenie raka shejki matki. Ibid., 1933, **33**: 115–20.—**Kovalenko, V. N.** Mitogenetićeskij effekt kak pokazatel aktivnosti pepsina. Tr. Kuban. gosud. med. inst. Armii, 1937, **5**: 138–42.—**Problem** of mitogenesia. In: Five-year Plan (Moskva Akad. med. nauk) 1948, 128–31.

MITOGENETIC rays.

See also **Blood,** Radiation; **Cell-division,** Karyokinesis.

RAHN, O., & BARNES, S. W. Invisible radiations of organisms, with an introduction to the physics of radiation. 215p. 8° Berl., 1936.
Forms: Vol. 9. Protoplasma-Monographien.

SALVADORI PALEOTTI, G. Le radiazioni eccitomoltiplicative ed il fenomeno Gurvić. p.1207–303. 25cm. Roma, 1939.
In: Trat. radiobiol. (Balli, R.) Roma, 1939, **3**:

STEMPELL, W. Die unsichtbare Strahlung der Lebewesen (mitogenetische oder Organismenstrahlung) 108p. 8° Jena, 1932.

Bateman, J. B. Mitogenetic radiation. Biol. Rev. Cambridge Philos. Soc., 1935, **10**: 42–71, ch.—**Bergauer, V.** Quelques observations sur les radiations mitogénétiques de Gourwitch. C. rend. Ass. anat., 1928, **23**: 46–8.—**Bircher, W.** Weitere Ergebnisse aus der Erforschung der mitogenetischen Strahlung (Gurwitsch-Strahlen) Wendepunkt, Zür., 1931–32, **9**: 505–7.—**Carter, D.** Os prodigiosos raios-M. Impr. méd., Rio, 1943, **18**: No. 354, 134–6.—**Cech, A.** [Gurwitsch rays] Cas. lék. česk., 1932, **71**: 585–7.—**Eremeev, V. F.** Mitogenetićeskoe izlućenie i brodilnye processy. Priroda, 1947, 64.—**Glasser, O.** Mitogenetic radiation. In his: Med. Physics, Chic., 1944, 760–3.—**Gratzl, K., & Gratzl-Czermak, E.** Die mitogenetischen Strahlen. Pinzette, Wien, 1947–48, **2**: No. 8, 2.—**Gurvić, A. G.** Le rayonnement mitogénétique. Ann. Inst. Pasteur, Par., 1935, **54**: 259–67. Also Otchet Vsesoiuz. inst. eksp. med., Moskva (1933–37) 1939, 406; (1938–39) 1940, 293. ——— & **Gurvić, L.** [Twenty years of mitogenetic radiation] Usp. sovrem. biol., 1943, **16**: 305–34.—**Haberlandt, G.** Ueber mitogenetische Strahlung. Biol. Zbl., 1929, **49**: 226–30.—**Hollaender, A.** The present status of mitogenetic radiation. Radiology, 1939, **32**: 404–10.—**Kosaka, H.** Einige Studien über mitogenetische Strahlen. Arb. Med. Fak. Okayama, 1934–35, **4**: 554–62.—**Kuhn, K.** Die biologischen Strahlen (Gurwitsch-Strahlung) Umschau, 1930, **34**: 904–6. ——— Neues von den mitogenetischen Strahlen. Ibid., 1933, **37**: 817.—**Lee, R., & Hanson, W. A.** Mitogenetic radiation. In: Protomorphology (Lee, R.) Milwaukee, 1947, 105–9.—**Marinesco, G.** Sur les rayons mitogénétiques. Arch. électr. méd., 1934, **42**: 359–83. Also Scientia, Bologna, 1938, **63**: 40–4. ——— **Jonesco-Sisesti, N., & Sager, O.** Sur les rayons mitogénétiques. Atti Congr. internaz. elettroradiob., 1934, **2**: 717–50. ——— Etudes sur les radiations mitogénétiques. Bull. Acad. méd., Par., 1934, 3. ser., **112**: 40–5. Also Bull. méd., Par., 1934, **48**: 558. ——— Les rayons de Gurwitsch (rayons mitogénétiques) Presse méd., 1935, **43**: 1281–6.—**Maruta, S.** Ueber die mitogenetischen Strahlen. Proc. Jap. Physiol. Soc., 1932, **11**: 226.—**Maxia, C.** Ulteriori ricerche sulle radiazioni mitogenetiche. Monit. zool. ital., 1932, **42**: Suppl., 86–8.—**Mitogenetićeskoe** izlućenie. Otchet Vsesoiuz. inst. eksp. med., Moskva (1933–37) 1939, 406; 1940, 293.—**Nielsen, H.** [Gurvitch & mitogenetic rays] Ugeskr. laeger, 1930, **92**: 327–30.—**Nordgren, G.** Den mitogenetiska strålningen. Nord. med. tskr., 1935, **10**: 1825–9.—**Okkels, H.** Mitogenetiske straaler. Ibid., 1931, **3**: 65–7.—**Paleotti, G. S.** Attuali conoscenze sulle radiazioni mitogene. Riv. radiol., 1931, **3**: 185–206.—**Rahn, O.** Mitogenetic radiation. Tabulae biol., Berl., 1937–38, **14**: 1–35.—**Regnault, J.** Biodynamique et radiations; radiations des êtres vivants. Hippocrate, Par., 1935, **3**: 861–75.—**Rossi Scala, C.** Radiación mitogenética de Gurwitsch. Sem. méd., B. Air., 1945, **52**: 580–3.—**Schwemmle, J.** Mitogenetische Strahlen. Biol. Zbl., 1929, **49**: 421–37.—**Seifriz, W.** The Gurwitsch rays. Am. Congr. Radiol., 1933, 412–27.—**Stempell, W.** Ueber Organismenstrahlung. Arch. exp. Zellforsch., 1931, **11**: 38–41. ——— Die unsichtbaren Organismenstrahlen. Med. Klin., Berl., 1933, **29**: 456. ——— Neuere Untersuchungen über Organismenstrahlung. Ibid., 1934, **30**: 769–71.—**Viale, G.** I raggi mitogenetici. Rass. med., Milano, 1932, **12**: 5–15. Also Rev. sudamer. endocr., B. Air., 1932, **15**: 185–94.—**Wolff, L. K.** [Mitogenetic rays] Ned. tschr. geneesk., 1932, **76**: 3278–87. ——— & **Ras, G.** [Gurwitsch mitogenetic rays] Ned. tschr. hyg. microb., 1931–32, **6**: 265–80. ——— Ueber mitogenetische Strahlen. Biochem. Zschr., 1933, **259**: 210.—**Zalkind, S. J.** Mitogenetićeskie lući. In: Bolsh. med. encikl., 1931, **18**: 453–7. Also Italian transl., Radiol. med., Milano, 1934, **21**: 1185–9.

—— Analysis.

GURVIĆ, A. Methodik der mitogenetischen Strahlenforschung. p.1401–70. Berl., 1932.
In: Abt. 5, Teil 2, pt 2, Handb. d. biol. Arbeitsmeth. (Abderhalden, E.)

Arai, H. Syosyu kōgen ni okeru saihō-bunretu yūki-sen no ginmi [Untersuchung über die mitogenetischen Strahlen in einigen Lichtquellen] Mitt. Med. Akad. Kioto, 1942, **34**: 1100–2.—**Barth, H.** On the investigation of mitogenetic radiation by means of a light counter. Proc. Internat. Physiol, Congr. (1935) 1938, 15. Congr., 517.—**Gesenius, H.** Zur Analyse der Blut-Fernwirkung nach Gurwitsch. Arch. Gyn., Berl., 1933, **153**: 468–81.—**Goliševa, K. P.** Die mitogenetische Spektralanalyse der Blutstrahlung am lebenden Tier. Biochem. Zschr., 1933, **260**: 52–7.—**Kreuchen, K. H., & Bateman, J. B.** Physikalische und biologische Untersuchungen über mitogenetische Strahlung. Protoplasma, Lpz., 1934, **22**: 243–73.—**Magrou, J., & Magrou, M.** Récherches sur les radiations mitogénétiques. Bull. histol. appl., Lyon, 1927, **4**: 253–62.—**Moiseeva, M.** Zur Theorie der mitogenetischen Strahlung; Quarz als Nebenfaktor bei Erforschungen der mitogenetischen Strahlung (kritisch-experimentelle Analyse der kolorimetrischen Methode von Potozky) Biochem. Zschr., 1942, **312**: 199–212.—**Vaccari, A.** Ricerche sulle radiazioni mitogenetiche. Arch. fisiol., Fir., 1931–32, **30**: 350–65, pl.—**Zirpolo, G.** Ricerche sulle radiazioni mitogenetiche. Boll. Soc. natur. Napoli, 1931, **42**: 169–208.

—— Biology.

Backofen, O. Wirkung mitogenetischer Strahlen auf Bakterien? Zbl. Bakt., 1. Abt., 1933, **129**: 366–8.—**Barnes, M. N., Rahn, O.** Tötung von Hefen durch Strahiungen des menschlichen Körpers. Arch. Mikrob., 1933, **4**: 583–8.—**Buchgraber, J.** Radiation mitogénétique et virulence des bactéries. Radiobiologia, Venez., 1935–36, **4**: No. 3, 7–13.—**Bukatina, A. A.** [Die Reversibilität der durch die Einwirkung von mitogenetischen Strahlen auf die Hefezelle ausgelösten morphologischen Veränderungen] Bull. biol. méd. exp. URSS, 1938, **5**: 39.—**Cassata, C.** Azione dei raggi mitogenetici sulla sviluppo delle uova di Anchilostoma duodenale. Gior. batt. immun., 1936, **17**: 658–60.—**Castaldi, L.** Stato attuale delle questioni sull'effetto Gurwitsch. Monit. zool. ital., 1939, **50**: 165–76. ——— & **Maxia, C.** Nuove ricerche sull' effetto Gurwitsch.

Arkh. biol. nauk, 1934, Ser. B, **35**: 199–205.—**Choucroun.** Sur l'hypothèse du rayonnement mitogénétique agissant sur la multiplication des bactéries. C. rend. Acad. sc., 1931, **192**: 1674–7.—**Dorfman, W., & Sarafanow, W.** Mitogenetische Strahlung und Befruchtung (vorläufige Mitteilung) Protoplasma, Lpz., 1932, **15**: 616–9.—**Faguet, M.** Rayons mitogénétiques et multiplication microbienne. C. rend. Soc. biol., 1938, **128**: 969–71.—**Gurvič, An.** Die Fortpflanzung des mitogenetischen Erregungszustandes in den Zwiebelwurzeln. Arch. Entwmech., 1931, **124**: 357–68.—**Ikeziri, K., & Hamasaki, H.** Kōbo-saihō bunretu ni oyobosu hirō-kin-nai bussitu narabi-ni iwayuru Mitogenetische Strahlen no sayō ni tuite no kenkyū hoi [Ueber die Reizwirkung von Substanzen im ermüdeten Muskel auf die Teilung der Hefezellen (and studies of the action of the so-called Mitogenetische Strahlen)] Nagasaki igakkai zassi, 1933, **11**: 409–27.—**Karpas, A. M.** [Rhythmic and arrhythmic mitogenetic excitation] Arkh. biol. nauk, 1934, Ser. B, **35**: 195–7.—**Khruščov, G. K.** [Mitogenetic macro-effect on tissue cultures] Ibid., 317–24.—**Magrou, J.** Actions biologiques à distance. Bull. Inst. Pasteur, Par., 1930, **28**: 393; 441. ——— A propos des rayons de Gurwitsch: quelques exemples d'actions biologiques à distance. Arch. exp. Zellforsch., 1931, **11**: 56–62. ——— Les actions à distance en biologie. Presse méd., 1931, **39**: 469–73. ——— Contribution à l'étude des actions à distance en biologie. Arkh. biol. nauk, 1934, **35**: Ser. B, 297–302. ——— Les actions à distance en embryologie. Atti Congr. internaz. elettroradiob., 1934, **2**: 708–16.—**Maxia, C.** Importanza delle differenze di potenziale nelle azioni a distanza (effetto Magrou) Radiobiologia, Venez., 1932–33, **1**: 51–9. ——— I lieviti e i batteri nella ricera delle radiazioni mitogenetiche. Atti Congr. naz. microb. (1934) 1935, 5. Congr., 64–8. ——— Controlli statistici alle ricerche biologiche sull'effetto Gurwitsch. Boll. Soc. ital. biol. sper., 1939, **14**: 442. Also Fundam. radiol., Berl., 1939–40, **5**: 165–7.—**Nehru, S. S., & Vishnu Sharma.** The influence of Gurwitsch rays on plant growth. Atti Congr. internaz. elettroradiob., 1934, **2**: 865–75.—**Ponomareva, J. N.** [Direct effect of mitogenetic irradiation on the course of mitosis (reaction of the epithelium of the cornea)] Arkh. biol. nauk, 1934, Ser. B, **35**: 239–47. ——— Influence mitogénétique et thermique sur le rythme de la mitose des cellules survivantes. Bull. biol. méd. exp. URSS, 1936, **2**: 14.—**Potockaja, A. P.** Untersuchungen über den Chemismus der mitogenetischen Strahlung; Die mitogenetischen Spektra der Oxydationsreaktionen. Biochem. Zschr., 1932, **249**: 282–7. ——— [Effect of mitogenetic rays on the laws of growth and form development] Arkh. biol. nauk, 1934, Ser. B, **35**: 249–54. ——— Cycle d'évolution des moisissures sous l'influence de l'irradiation mitogénétique. Ann. Inst. Pasteur, Par., 1936, **57**: 193–203.—**Régnier, J., & Lory, R.** Contribution à l'étude des actions à distance des métaux lourds et de la division cellulaire, rayonnement mitogénétique, sur les multiplications microbiennes. Bull. Ass. diplôm. microb., Nancy, 1942, No. 24, 13–22.—**Schouten, S. L.** Gurwitsch-Strahlen und Pilzsporenentkeimung. Acta brevia neerl., 1932, **2**: 124.—**Severcova, L. B.** Zur Frage nach den mitogenetischen Strahlen; über den Einfluss der mitogenetischen Strahlen auf die Vermehrung der Bakterien. Biol. Zbl., 1929, **49**: 212–25.—**Tirelli, M.** Studi sulla fisiologia dell'uovo negli insetti; influenza delle radiazioni mitogenetiche sulle uovo del Bombyx mori. Arch. sc. biol., Bologna, 1936, **22**: 327–54.—**Zakrzewski, Z.** Ueber die Wirkung der Gurwitsch-Strahlung auf Gewebekulturen in vitro. Arch. exp. Zellforsch., 1933, **14**: 471–8.—**Zalkind, S. J.** [Effect of prolonged actions of mitogenetic rays on the reproduction of the cells of yeast culture] Vest. rentg., 1936, **17**: 519–24. Also German transl., Protoplasma, Lpz., 1936–37, **27**: 69–72. ——— [Indispensability of mitogenetic radiation for cell division] Arkh. biol. nauk, 1937, **47**: No. 2, 153–60.—**Zirpolo, G.** Raggi di Gurwitsch e simbiosi. Atti Congr. internaz. elettroradiob., 1934, **2**: 955–7.—**Zogline, I.** La dépression du mouvement vibratile sous l'influence de l'irradiation mitogénétique. C. rend. Soc. biol., 1934, **115**: 1666–9.

—— Clinical aspect.

Gesenius, H. Klinische Erfahrungen mit der Blutfernwirkung. Arch. Gynäk., 1933–34, **155**: 500–16.—**Gurvič, A.** L'excitation mitogénétique du système nerveux central. Ann. physiol., Par., 1934, **10**: 1153–65. ——— L'excitation mitogénétique du système nerveux pendant l'éclairage monochromatique de l'oeil. Ibid., 1166–9.—**Gurvič, L.** Le spectre mitogénétique des fibres proprioceptives du nerf. Ibid., 137–40.—**Harreveld, A. v.** Les rayons de Gurwitsch et la conduction nerveuse. Arch. néerl. physiol., 1934, **19**: 584–92. Also Acta brevia neerl., 1934, **4**: 112.—**Helff, O. M.** Mitogenetic rays and wound healing. J. Exp. Zool., 1934, **68**: 347–75.—**Kodama, K., & Konomi, T.** Ketueki oyobi sosiki no kaitō sayō to Gurwitsch kōsen [Glycolytic action of the blood and the tissues, and Gurwitsch rays] Nippon seikagakkai kaihō, 1934–35, **9**: 29.—**Korompay, I.** Die klinische Bedeutung der mitogenetischen Strahlung. Fortsch. Röntgenstrahl., 1942, **66**: 250. Also Strahlentherapie, 1944–45, **75**: 472–8.—**Latmanisowa, L. W.** Sur l'influence du système nerveux central sur les propriétés mitogénétiques du nerf. Ann. physiol., Par., 1934, **10**: 1170–6.—**Mai, H. v.** Die Bedeutung der mitogenetischen Strahlung für die Kinderheilkunde. Arkh. biol. nauk, 1934, **35**: Ser. B, 237.—**Postovsky, I. J., Judeles, A. L., & Kazanceva, T. I.** Sulphanilamide compounds and their influence on the mitogenetic radiation of blood. C. rend. Acad. sc. URSS, 1943, **40**: 106–9.—**Protti, G.** Il fenomeno della emoradiazione applicato alla clinica. Attl Soc. med. chir. Padova, 1933, ser. 2., **11**: 629–34.—**Romano, A.** I raggi mitogenetici, la elettrobiologia ed il sistema neuro-vegetativo. Osp. psichiat., Nap., 1935, **3**: 681–702.—**Seyderhelm, R., & Heinemann, M.** Ueber Beziehungen zwischen Cytagenin, Heliotherapie und mitogenetischer Strahlung des Blutes. C. rend. Congr. internat. lumière, 1932, 2. Congr., 740.—**Shastin, N. P.** [Significance of investigation of mitogenic radiation in surgery] Khirurgia, Moskva, 1937, No. 10, 154–61.—**Vischia, Q.** Sulla emoradiazione del sangue di donna nel periodo mestruale ed intermestruale. Gazz. internaz. med. chir., 1935, **45**: 674–7, pl.—**Zalkind, S. J.** [Mitogenetic rays and some problems of clinical medicine] Priroda, 1938, **27**: 53–9.—**Zoglina, I.** Le spectre mitogénétique physiologique des fibres motrices du sciatique. Ann. physiol., Par., 1934, **10**: 134–6.

—— Inhibition.

See also **Mitotic poison.**

Acs, L. Ueber echte mitogenetische Depressionen; Bakterienantagonismus und mitogenetische Strahlung. Zbl. Bakt., 1. Abt., 1932–33, **127**: 342–50.—**Gurvič, A., & Gurvič, L.** Ueber Löschung und Inhibition der mitogenetischen Strahlung. Acta physicochim. URSS, 1940, **13**: 683–9.—**Zalkind, S. J.** [Mitogenetic depression] Vest. rentg., 1934, **13**: 163–78. ——— [Prolonged action of the inhibitor of mitogenetic radiation in biological objects] Biul. eksp. biol. med., 1941, **11**: 390–2. ——— [Present status of the problem of the extinguisher of mitogenetic radiation] Usp. sovrem. biol., 1943, **16**: 415–25.

—— Institutes and laboratories.

Laboratorija po izučeniju lučej Gurviča v klinike. Otchet Vsesoiuz. inst. eksp. med., Moskva (1933–37) 1939, 411.

—— Measurement and demonstration.

PAUL, M. Zwiebelwurzeln als Detektoren bei Untersuchungen über die mitogenetische Strahlung. p.108–65. 23cm. Berl., 1933.
Arch. Entwmech., 1933, **128**:

Baron, M. Schichtanalyse der Sprossungen des mitogenetischen Detektors der Hefekultur. Atti Congr. internaz. elettroradiob., 1934, **2**: 751–64.—**Barth, H.** Versuche zum physikalischen Nachweis von mitogenetischer Strahlung. Arkh. biol. nauk, 1934, ser. B, **35**: 29–36. Also Naturwissenschaften, 1935, **23**: 688.—**Borodin, D. N.** M-rays macro-effect and planimetric drop culture method. Atti Congr. internaz. elettroradiob., 1934, **2**: 802–18.—**Decker, G. E. v.** Ueber die Schärfe mitogenetischer Spektrallinien. Arkh. biol. nauk, 1934, ser. B, **35**: 145–7. Also Protoplasma, Lpz., 1936, **25**: 515–27.—**Dessauer, F.** Bemerkung über den physikalischen Nachweis der mitogenetischen Strahlung von Gurwitsch. Arch. exp. Zellforsch., 1931, **11**: 33–7.—**Elger, L.** Fotografické zachycení Gurwitschova mitogenetického záření. Cas. lék. česk., 1932, **71**: 833–7.—**Ferguson, A. J., & Rahn, O.** Zum Nachweis mitogenetischer Strahlung durch beschleunigtes Wachstum von Bakterien. Arch. Mikrob., 1933, **4**: 574–82.—**Filippov, M. V.** [On measurement of mitogenetic radiation by means of the photoelectron calculator] Arkh. biol. nauk, 1937, **46**: No. 3, 11–22.—**Glasser, O.** The detection of mitogenetic radiation. Atti Congr. internaz. elettroradiob., 1934, **2**: 778–85.—**Grahe, K., & Weidemann, H.** Eine Apparatur zum Nachweis der mitogenetischen Strahlung des Blutes. Arch. Ohr. &c. Heilk., 1935, **139**: 233–5.—**Grigorović, T., & Lagutina, P.** Zur Bestimmungsmethode der mitogenetischen Strahlung. Bull. biol. méd. exp. URSS, 1936, **1**: 391.—**Gurvič, L., & Anikin, A.** Das Cornealepithel als Detektor und Sender mitogenetischer Strahlung. Arch. Entwmech., 1928, **113**: 731–9.—**Heinemann, M.** [Demonstration of Gurwitsch' rays by means of a psychochemical detector] Ned. tschr. geneesk., 1935, **79**: 1171–3.—**Konstansov, S. V.** [La levure comme détecteur à l'analyse de la radiation mitogénétique] Arch. biol. nauk, 1932, **32**: 34–8.—**Kreuchen, K. H.** Eigenschaften physikalischer und biologischer Detektoren für Gurwitsch-Strahlung. Atti Congr. internaz. elettroradiob., 1934, **2**: 831–40.—**Lorenz, E.** Investigation of mitogenetic radiation by means of a photoelectric counter tube. Pub. Health Rep., Wash., 1933, **48**: 1311–8.—**Marconi, E.** Ricerche sulle radiazioni mitogenetiche del sangue umano col Micrococcus prodigiosus come detectore. Pathologica, Genova, 1931, **23**: 684–8.—**Maxia, C.** I fotocontatori nella rivelazione dell'effetto Gurwitsch. Atti Soc. sc. med. natur. Cagliari, 1935, **37**: 73–88. Also Protoplasma, Lpz., 1935, **23**: 77–80.—**Moiseeva, M.** Zur Theorie der mitogenetischen Strahlung; Hefe als Detektor für mitogenetische Strahlen. Biochem. Zschr., 1935, **281**: 349–57.—**Novikov, M. B.** [Effect of prolonged action of mitogenetic rays on the emanation of various detectors] Vest. rentg., 1936, **17**: 525–35.—**Palmieri, G. G.** Semplice apparecchio per misure in serie della radiazione mitogenetica: Blastoradiometro. Boll. Soc. ital. biol. sper., 1933, **8**: 1805–7, pl.—**Petri, L.** Nachweis der mitogenetischen Strahlung durch eine physikalische Methode. Protoplasma, Lpz., 1933, **19**: 365–9.—**Physico-chemical** test for mitogenetic (Gurwitsch) rays. Nature, Lond., 1934, **134**: 701.—**Potockaja, A., & Zalkind, S. J.** Eine neue Methode des Nachweises des mitogenetischen Effektes. Biol. Zbl., 1931, **51**: 465–8.—**Protti, G.** Sulla possibilità di valutare la intensità dei raggi di Gurwitsch mediante la riduzione del gelatino bromuro d'argento.

Radiobiologia, Venez., 1935–36, **4**: No. 4, 41–8.—**Rahn, O.** Microorganisms as detectors of mitogenetic rays. Atti Congr. internaz. elettro radiob., 1934, **2**: 907–11.—**Richards, O. W., & Taylor, G. W.** Mitogenetic rays, a critique of the yeast-detector method. Biol. Bull., 1932, **63**: 113–28.—**Rodionov, S., & Frank, G. M.** [Measurements of mitogenetic radiation by means of a photoelectron-register] Arkh. biol. nauk, 1934, ser. B, **35**: 277–88.—**Schreiber, H.** Ueber die Eignung der photographischen Platte zu Nachweis und quantitativer Messung der mitogenetischen Strahlung. Fundam. radiol., Berl., 1939, **4**: 132–40.—**Siebert, W. W., & Seffert, H.** Zur Frage des physikalischen Nachweises der Gurwitsch-Strahlung. Arkh. biol. nauk, 1934, ser. B, **35**: 177–81. ——— Zum Nachweis der mitogenetischen Strahlung mit Hilfe des physikalischen Differenzverfahrens. Biochem. Zschr., 1936, **287**: 92–103. ——— Ein neues Verfahren für den biologischen Nachweis der mitogenetischen Strahlung. Ibid., 104–8.—**Stempell, W., & Romberg, G. v.** Anurenkeime als Detektoren für Organismenstrahlen und die Wirkung ultravioletter Strahlen auf die Anurenentwicklung. Jena. Zschr. Naturwiss., 1932, **67**: 19–36.—**Tuthill, J. B., & Rahn, O.** Zum Nachweis mitogenetischer Strahlung durch Hefesprossung. Arch. Mikrob., 1933, **4**: 565–73.—**Wolff, L. K., & Ras, G.** Ueber die Methodik zum Nachweis von Gurwitschstrahlen. Acta brevia neerl., 1932, **2**: 144. Also Ned. tschr. geneesk., 1933, **77**: pt 1, 875–81. Also Zbl. Bakt., 1. Abt., 1933, **128**: 314–9.—**Zanzucchi, A.** Sopre una modificazione della tecnica nella misura delle radiazioni mitogenetiche; la scatola radimetrica. Ateneo parm., 1934, **6**: 229–32.

—— Pathology.

See also such terms as **Blood**, Radiation; **Carcinoma**, Blood, etc.

Bogdanović, V., & Lazaris, J. [Sur l'analyse des causes de la disparition de radiation mytogénétique du sang d'animaux carcinomateux] Méd. exp., Kharkov, 1937, No. 3, 83–8.—**Brainess, S.** [Problems of activity and fatigue and the mitogenetic radiation] Arkh. biol. nauk, 1934, ser. B, **35**: 325–42. ——— The analysis of mitogenetic blood radiation in mental disorder as a basis for therapy. J. Nerv. Ment. Dis., 1937, **86**: 24; 175.—**Braunstein, A. E., & Heyfetz, P. A.** Die Glykolyse und die mitogenetische Strahlung des Blutes bei experimentellem Carcinom. Biochem. Zschr., 1933, **259**: 175–9.—**Gurvić, L. D.** [Mitogenetic radiation as a method of early diagnosis of cancer] Vrach. gaz., 1931, **35**: 15–20. ——— **& Gurvić, A.** Die mitogenetische Strahlung und die Autokatalyse der Krebszelle. Zschr. Krebsforsch., 1932, **36**: 319–41.—**Heinemann, M., & Seyderhelm, R.** Mitogenetische Strahlung des Blutes und Strahlungen des Blutes carcinom Kranker. Arkh. biol. nauk, 1934, ser. B, **35**: 107–11.—**Lemay, P.** A propos de l'induction mitogénétique. Néoplasmes, 1932, **11**: 90–4.—**Markovsky, J.** [Mitogenetic radiation of blood in tuberculosis] Klin. med., Moskva, 1931, **9**: 444–9.—**Misra, S. D.** The effect of M-rays on certain human diseases. Atti Congr. internaz. elettroradiob., 1934, **2**: 879–88.—**Pallotti, A.** Raggi mitogeni nei tumori. Med. internaz., Milano, 1935, **43**: 342–4.—**Samarajew, W.** Die mitogenetische Strahlung des Blutes bei künstlicher Hyperthyreose und bei Basedowscher Krankheit. Endokrinologie, Lpz., 1932, **11**: 335–43.—**Shamarina, N. M.** [Mitogenetic radiation of the nerve following irritation of the nerve by induction current of long duration] Arkh. biol. nauk, 1934, ser. B, **35**: 345–7.—**Siebert, W. W., & Seffert, H.** Die Blutstrahlung und die Auslöschung mitogenetischer Strahlen bei Krankheiten. Biochem. Zschr., 1939, **301**: 301–14.—**Storti, E., & Filippi, P. de.** Das Verhalten des Strahlungsvermögens des Blutes und der blutbildenden Gewebe bei einigen Blutkrankheiten. Wien. klin. Wschr., 1936, **49**: 1494–6.—**Tortorelli, M.** Le radiazioni mitogenetiche del sangue nei disturbi del ricambio dei carboidrati. Morgagni, 1934, **76**: 1239–41.—**Verdina, C.** Recherches sur les radiations mitogénétiques du sang des tuberculeux. Boll. Sez. ital. Soc. internaz. microb., 1933, **5**: 211–8.—**Zalkind, S. J.** [Mitogenetic rays and malignant tumors] Priroda, 1938, **27**: No. 6, 53–9. ——— **& Schabad, L. M.** [Mitogenetic radiation of experimental tar cancer] Vestr. rentg., 1931, **9**: 359–69.—**Zolotova-Kostomarova, M. I., & Liass, M. A.** [Mitogenetic irradiation of the blood in rheumatism and pneumonia] Klin. med., Moskva, 1936, **14**: 1629–33.

—— Physical properties.

Barth, H. Physikalische Versuche zum Problem der mitogenetischen Strahlung. Biochem. Zschr., 1936, **285**: 311–39. Also Arkh. biol. nauk, 1937, **46**: 153–77.—**Braunstein, A. E., & Potockaja, A. P.** [Specificity of the spectres of mitogenetic radiation in oxidation-reduction reactions] Ibid., 1934, Ser. B, **35**: 73–86. ——— [Nature of elementary atom-physical processes in mitogenetic irradiation] Ibid., 87–93. Also Biochem. Zschr., 1934, **268**: 422–43.—**Chariton, J., Frank, G., & Kannegiesser, N.** Ueber Wellenlänge und Intensität mitogenetischer Strahlung. Naturwissenschaften, 1930, **18**: 411–3.—**Fardon, J. C., Brotzge, G. C., & Loeffler, M. K.** Investigations of tension fields in plasma cultures. Stud. Inst. Divi Thomae, Cincin., 1941, **3**: 103–11, pl.—**Frank, G.** Das mitogenetische Reizminimum und -maximum und die Wellenlänge mitogenetischer Strahlen. Biol. Zbl., 1929, **49**: 129–41. ——— **& Rodionov, S.** Physikalische Untersuchung mitogenetischer Strahlung der Muskeln und einiger Oxydationsmodelle. Biochem. Zschr., 1932, **249**: 323–43.—**Grebe, L., Krost, A., & Peukert, L.** Versuche zum physikalischen Nachweis der mitogenctischen Strahlung. Strahlentherapie, 1937, **60**: 575–81.—**Gurvić, A. G.** Die fundamentalen Gesetze der mitogenetischen Erregung. Arch. exp. Zellforsch., 1931, **11**: 1–20. ——— **& Gurvić, L. D.** Energetic balance of the appearance of mitogenetic radiation. Acta physicochim. URSS, 1942, **16**: 282–7.—**Hollaender, A., & Claus, W. D.** Some phases of the mitogenetic ray phenomenon. J. Optic. Soc. America, 1935, **25**: 270–86.—**Lorenz, E.** Search for mitogenetic radiation by means of the photoelectric method. J. Gen. Physiol., N. Y., 1934, **17**: 843–62.—**Odani, S.** A gynecological study on Gurwitsch's mitogenetic radiation; the physical studies of Gurwitsch's mitogenetic radiation. Jap. J. Obst. Gyn., 1937, **20**: 117–29. ——— Experiments with artificial lights of corresponding wave-lengths to mitogenetic rays. Ibid., 140–6.—**Potockaja, A.** Ueber Beeinflussung des mitogenetischen Effektes durch sichtbares Licht. Biol. Zbl., 1930, **50**: 712–23.—**Rabinerson, A. I.** [Mitogenetic radiation in physical-chemical processes] Usp. sovrem. biol., 1940, **13**: 490–9.—**Reiter & Gábor.** Etat actuel de la question des rayons mitogénétiques; conclusions pratiques; la lampe à vapeur de cadmium. C. rend. Congr. internat. physiothér. (1930) 1931, 5. Congr., 120.—**Roffo, A. E.**, jr. Les rayons mitogénétiques et les anneaux de Liesegang. Atti Congr. internaz. elettro radiob., 1934, **2**: 936–49. Also Bol. Inst. med. exp. cáncer, B. Air., 1934, **11**: 12–52. Also Rev. Soc. argent. biol., 1934, **10**: 297–305.—**Ruyssen, R.** Sur le rayonnement mitogénétique des réactions gazeuses. Acta brevia neerl., 1933, **3**: 51. ——— Sur l'énergie et les limites de longueur d'onde des rayons mitogénétiques. Ibid., 141.

—— Secondary radiation.

Braun, A. D. Die mitogenetische Sekundärstrahlung an monomolekularen Filmen. Protoplasma, Lpz., 1936, **26**: 338–43.—**Gurvić, A., & Gurvić, L.** Die mitogenetische Sekundärstrahlung. Ibid., **25**: 1–15.—**Latmanisowa, L. W.** Die mitogenetische Sekundärstrahlung des Nerven. Arch. ges. Physiol., 1932–33, **231**: 265–79.—**Novikov, M. B.** [Secondary radiation emitted from yeast-culture following its lasting radiation with mitogenetic rays] Vest. rentg., 1935, **15**: 154–60.—**Wolff, L. K., & Ras, G.** Sekundäre Gurwitschstrahlung. Acta brevia neerl., 1932, **2**: 127–9. ——— Ueber Sekundärstrahlung, Zbl. Bakt., 1. Abt., 1933, **128**: 305–13. ——— Le rayonnement secondaire suivant Gurwitsch. Arkh. biol. nauk, 1934, ser. B, **35**: 51–64.

—— Sources.

Acs, L. Ueber die mitogenetische Strahlung der Bakterien. Zbl. Bakt., 1. Abt., 1931, **120**: 116–24. ——— Weitere Angaben zur mitogenetischen Strahlung der Bakterien. Ibid., 1932, **126**: 125–7.—**Anikin, A. W.** Ueber mitogenetische Strahlung und Induktion; das Nervensystem als Quelle mitogenetischer Strahlung. Arch. Entwmech., 1926, **108**: 609–16.—**Badalian, S. S.** [Subsequent mitogenetic radiation of irradiated solutions] Biull. eksp. biol. med., 1940, **10**: 102–4.—**Baron, M. A.** Ueber mitogenetische Strahlung; ueber mitogenetische Strahlung bei Protisten. Arch. Entwmech., 1926, **108**: 617–33. ——— Bakterien als Quellen mitogenetischer (ultravioletter) Strahlung. Zbl. Bakt., 2. Abt., 1928, **73**: 373–9.—**Bateman, J. B.** Mitogenetic radiation and bioluminescence. Nature, Lond., 1934, **133**: 860.—**Belov, G. N.** [Stationary waves of mitogenetic radiation in the nerve stem] Arkh. biol. nauk, 1937, **47**: No. 3, 146–51.—**Blacher, L. J., Holzmann, O. G.** [et al.] Weitere Untersuchungen über mitogenetische Blutstrahlung während der Amphibienmetamorphose. Radiobiologia, Venez., 1932–33, **1**: No. 3, 19–27.—**Brainess, S. N., & Galperin, S. I.** [Die mitogenetische radiation des Sympatischen bei der Katze] J. Physiol. USSR, 1934, **17**: 81–3.—**Braunstein, A. E., & Potockaja, A.** Untersuchungen über den Chemismus der mitogenetischen Strahlung; oxydationsreaktionen als Quelle mitogenetischer Strahlung. Biochem. Zschr., 1932, **249**: 270–81.—**Brenner, W.** Ist das Hornhautepithel des Frosches geeignet zum Nachweis mitogenetischer Blutstrahlung? Ibid., 1937, **292**: 424–33.—**Cassata, C.** I batteri come sorgente di radiazioni mitogenetiche. Gior. batt. immun., 1934, **13**: 878–86.—**Coglina, I. V.** [Mitogenetic, physiological spectrum of motor fibers] Arkh. biol. nauk, 1934, ser. B, **35**: 343.—**Cultrera, R.** Ha il latte una radiazione mitogenetica? Ateneo parm., 1934, **6**: 37–43.—**Dorfman, V. A., & Shmerling, Zh.** Rhythm of mitogenetic radiation in the developing sea-urchin egg. Protoplasma, Lpz., 1933, **19**: 170–6. Also Arkh. biol. nauk, 1934, ser. B, **35**: 149–55.—**Frank, G., & Zalkind, S.** Ueber mitogenetische Strahlung; die Quellen der mitogenetischen Strahlung im Pflanzenkeimling. Arch. Entwmech., 1926, **108**: 596–608.—**Gurvić, A. G., & Gurvić, L.** Die Produktion mitogener Stoffe im erwachsenen tierischen Organismus; über mitogenische Strahlung und Induktion. Ibid., **107**: 829–32. ——— Die mitogenetische Spektralanalyse; das mitogenetische Spektrum der Nucleinsäurespaltung. Biochem. Zschr., 1932, **246**: 124–6.—**Gurvić, An.** Die mitogenetischen Strahlungen des markhaltigen Nerven. Arch. ges. Physiol. 1932–33, **231**: 234–7. ——— Die mitogenetische Strahlungen der optischen Bahn bei adäquater Erregung. Ibid., 255–64. ——— [Analysis of the distribution of mitogenetic radiation in the nervous system in adequate and inadequate stimulation] Arkh. biol. nauk, 1935, **39**: 453–67.—**Harders, W.** On the Gurwitsch-radiation of the eye. Acta brevia neerl., 1933, **3**: 61–4; Bemerkungen von A. Gurwitsch, 127. Also

Ned. tschr. geneesk., 1933, **77**: 3664–7.—**Kalendarov, G. S.** [La décomposition spectrale de la radiation mitogénétique du nerf excité] Arch. biol. nauk, 1932, **32**: 26–33.—**Karpass, A. M.** Mitogenetische Strahlung bei Eiweissverdauung (dritte Quelle der mitogenetischen Strahlung) Biochem. Zschr., 1929, **215**: 337–43.—**Klenicky, J.** Die mitogenetische Strahlung der weissen Blutelemente. Ibid., 1932, **252**: 126–30.—**Lévy, R., & Audubert, R.** Emission de rayonnements par les oeufs de Discoglosse en cours de développement. C. rend. Acad. sc., 1935, **201**: 236–9. Also Protoplasma, Lpz., 1936, **25**: 25–31.—**Liosner, L. D., Voroncova, M. A., & Irikhimović, A. I.** Studien über mitogenetische Strahlung des Blutes. Radiobiologia, Venez., 1932–33, **1**: No. 3, 79–88.—**Marconi, E.** Radiazioni mitogenetiche del sangue retroplacentare e del sangue periferico della madre e del neonato. Pathologica, Genova, 1931, **23**: 758.—**Marinesco, G., Joanesco-Sisesti, N., & Sager, O.** Radiations mitogénétiques de la corticalité cérébrale; recherches sur l'area striata. C. rend. Soc. biol., 1935, **118**: 1663.—**Moiseeva, M.** Zur Theorie der mitogenetischen Strahlung; Induktion der Zwiebelwurzeln mit Hefe und Blut. Biochem. Zschr., 1932; **251**: 133–40.—**Odani, S.** A gynecological study on Gurwitsch's mitogenetic radiation; can Gurwitsch's mitogenetic induction effect be caused by the irradiation with a small quantity of x-ray? Jap. J. Obst. Gyn., 1937, **20**: 130–9.—**Palmieri, G. G.** Appunti critici e dati sperimentali sul cosidetto potere irradiante (potere eccito-moltiplicatore) del sangue. Boll. Soc. ital. biol. sper., 1934, **9**: 698–701.—**Politzer, G.** Die Wachstumsstrahlen. Wien. klin. Wschr., 1929, **42**: 1277–9.—**Potockaja, A., & Zoglina, I.** Ueber mitogenetische Sekundärstrahlung aus abgeschnittenen Zwiebelwurzeln. Arch. Entwmech., 1928, **114**: 1–8.—**Pozzan, A.** Emocateresi e raggi mitogenetici. Radiobiologia, Venez., 1932–33, **1**: 68–72.—**Prokofjeva, E. G.** Mitogenetic radiation of the urea-urease system. Nature, Lond., 1934, **134**: 574.—**Protti, G.** Sui rapporti esistenti fra il potere radiante del sangue periferico e il potere radiante del sangue di alcuni visceri. Policlinico, 1935, **42**: Sez. prat., 755–9.—**Rahn, O.** The disagreement in mitogenetic experiments, a problem in bacterial physiology. J. Bact., Balt., 1934, **28**: 153–8.—**Rosenthal, O.** Die mitogenetische Strahlung des Blutes. Fol. haemat., Lpz., 1933–34, **51**: 404–13.—**Rylova, M.** [Mitogenetic emanation of the components of the blood] Arkh. biol. nauk, 1935, **37**: 311–9.—**Samarajew, W. N.** Die mitogenetische Ausstrahlung bei der Regeneration des Regenwurms. Arch. Entwmech., 1932, **126**: 633–5.—**Shastin, N. P.** [Significance of the ovaries in mitogenetic radiation of the blood] Khirurgia, Moskva, 1938, No. 9, 144–6.—**Siebert, W. W.** Die mitogenetische Strahlung des Blutes. In: Handb. allg. Hämat. (Hirschfeld) Berl., 1934, **2**: 2. Hälfte, 1339–56.—**Wolff, L. K., & Ras, G.** Ueber Gurwitschstrahlen bei einfachen chemischen Reaktionen. Acta brevia neerl., 1932, **2**: 91. Also Biochem. Zschr., 1932, **250**: 305–7.—**Zalkind, S. J.** [Mitogenetic radiation of the larva of Saccocirrus] Vest. rentg., 1931, **9**: 370.

—— Theory.

Hollaender, A., & Claus, W. D. An experimental study of the problem of mitogenetic radiation. 96p. 25cm. Wash., 1937.

Schürmann, R. *Ueber die Natur der mitogenetischen Strahlen. 31p. 8° Münch., 1935.

Castaldi, L. Stato attuale delle conoscenze sulle radiazioni vitali; le radiazioni mitogenetiche. Morgagni, 1931, **73**: 147–59. ——— & **Maxia, C.** Radiazioni mitogenetiche; radiazioni cosmiche. Monit. zool. ital., 1929, **40**: 418–21.—**Choucroun, N.** Sur l'hypothèse du rayonnement mitogénétique. Ann. physiol., Par., 1930, **6**: 331–45.—**Ciferri, R.** Il problema dei raggi mitogenetici. Scientia, Bologna, 1939, **66**: 98–105.—**Dognon, A.** Que peut-on penser du rayonnement mitogénétique? Presse méd., 1936, **44**: 566–8.—**Glasser, O., & Barth, H.** Studies on the problem of mitogenetic radiation. Radiology, 1938, **30**: 62; 1939, **33**: 25.—**Gurvić, A.** Les problèmes de la mitose et les rayons mitogénétiques: exposé général. Bull. histol. appl., Par., 1928, **5**: 211–9. ——— Ueber den derzeitigen Stand des Problems der mitogenetischen Strahlung. Protoplasma, Lpz., 1929, **6**: 449–93. ——— Der gegenwärtige Stand des mitogenetischen Problems. Atti Congr. internaz. elettroradiob., 1934, **2**: 689–707. ——— **Gurvić, L., & Sliusarev, A. A.** [Mitogenetic radiation, considered as sensibilized fluorescence: experimental confirmation of Frankenburger's hypothesis on the origin of mitogenetic radiation] Arkh. biol. nauk, 1939, **55**: No. 2, 104–7.—**Guttenberg, H. von.** Die Theorie der mitogenctischen Strahlen. Biol. Zbl., 1928, **48**: 31–9.—**Hauer, F. von.** Ueber mitogenetische Strahlen nach Versuchen von Fritz Karlik und Viktor Petri. Strahlentherapie, 1937, **58**: 306–18.—**Hollaender, A.** The problem of mitogenetic rays. In: Biol. Effects of Radiat. (Duggar, B. M.) N. Y., 1936, **2**: 919–59.—**Koenuma, N.** Zur Existenzfrage der sogenannten mitogenetischen Strahlung. Biochem. Zschr., 1947, **318**: 1–14.—**Levine, J., & Steinhaus, A. H.** On the non-existence of mitogenetic radiation. Am. J. Physiol., 1941, **133**: 361.—**Magrou, J.** Le problème des radiations mitogénétiques. Rev. path. comp., Par., 1935, **35**: 817–28.—**Moiseeva, M.** [Present state of the question of mitogenetic radiation] Biol. J., Moskva, 1937, **6**: 437–53.—**Protti, G.** L'opinione di un medico sopra i raggi mitogenetici. Nuntius radiol., Siena, 1938, **6**: 329–37.—**Rasetti, F.** L'opinione di un fisico sopra i raggi mitogenetici. Ibid., 27–39.—**Reiter, T., & Gábor, D.** Der heutige Stand des Problems der Gurwitsch-Strahlen. Arch. exp. Zellforsch., 1931, **11**: 21–32.—**Rossmann, B.** Untersuchungen über die Theorie der mitogenetischen Strahlen. Arch. Entwmech., 1928, **113**: 346–405; Bemerkungen von A. Gurwitsch, 406–13.—**Schreiber, H.** Zur Theorie der mitogenetischen Strahlung. Protoplasma, Lpz., 1933, **19**: 1–25.—**Taylor, G. W., & Harvey, E. N.** The theory of mitogenetic radiation. Biol. Bull., 1931, **61**: 280–93.—**Tocco, L., Verduci, P., & Du Chaliot, C.** Contributo preparatorio alla soluzione del problema della esistenza dei raggi mitogenetici di Gurwitsch. Boll. Soc. ital. biol. sper., 1945, **20**: 84; 1946, **22**: 181.—**Westenberg, J.** Zur Frage nach der Zuverlässigkeit gewisser Beweise für die Existenz der mitogenetischen Strahlung. Growth, Ithaca, 1940, **4**: 173–205.—**Zalkind, S. J.** [Problem of mitogenetic irradiation] Priroda, 1935, **24**: 36–49. ——— [Present state of the problem of mitogenetic radiation] Usp. sovrem. biol., 1937, **7**: 50; 216. Also Protoplasma, Lpz., 1937–38, **29**: 425. ——— [Antimitogenetic monograph (Hollaender & Claus)] Arkh. biol. nauk, 1940, **57**: No. 2, 124–7.

—— Therapeutic application.

Voikhansky, D. E. [Gurvich mitogenetic rays in treatment of internal diseases] Sovet. klin., 1933, **19**: 3–14.

—— Use.

Gurvić, A. G., & Gurvić, L. D. Mitogenetic analysis of the excitation of the nervous system. 114p. 25cm. Amst., 1937.

Billig, E., Kannegisser, N., & Soloviev, L. [Spectral analysis of mitogenetic radiation during the action of pepsin and decomposition of glycle-glycinc by erepsine] Arkh. biol. nauk, 1934, ser. B, **35**: 37–42.—**Brainess, S.** [Analysis of mitogenetic excitation of the nerve] Ibid., 65–72.—**Gurvić, An.** [Analysis of nervous excitation in classical and mitogenetic physiology] Usp. sovrem. biol., 1940, **12**: 129–42.—**Hermes, W.** Beitrag zur Methodik und Klinik der mitogenetischen Strahlung. Arch. Ohr. &c. Heilk., 1935, **139**: 236–43.—**Kannegiesser, N., & Gurvić, L.** Die mitogenetische Spektralanalyse. Biochem. Zschr., 1931, **236**: 415–31.—**Klenicky, J. S., & Prokofjeva, E. G.** [Mitogenetic spectral analysis of the decomposition of polysaccharides] Arkh. biol. nauk, 1934, ser. B, **35**: 207–11.—**Zalkind, S. J.** [Mitogenetic spectral analysis as a physiological method] Usp. sovrem. biol., 1936, **5**: 1054–64.

—— Variation.

Biddau, I. Studio sulle radiazioni mitogenetiche del sangue del bambino; ricerche sul neonato e lattante con speciale riguardo al potere radiante del sangue materno. Radiobiologia, Venez., 1932–33, **1**: 3–18.—**Bromley, N. W., & Irikhimović, A. J.** Die Veränderungen in der Intensität der mitogenetischen Ausstrahlung während der Mauser. Ibid., 1935–36, **4**: No. 3, 49–67.—**Del Zoppo, R.** Le radiazioni vitali nel sangue in rapporto all'età. Policlinico, 1933, **40**: sez. prat., 1241–4.—**Engel, P., & Morelli, J. E.** Einfluss von Hormonen auf die mitogenetische Strahlung. Klin. Wschr., 1936, **15**: 716.—**Harig, A. E.** [Mitogenetische Strahlung und Auxin] Bull. biol. méd. exp. URSS, 1936, **2**: 101–3.—**Kawamura, K.** Vitamin C to saihō-bunretu-yūki-sen [Vitamin C und mitogenetische Strahlen] Okayama igakkai zassi, 1938, **50**: 147–53.—**Krasovskaja, E. N., & Veller, N. S.** [Instability of mitogenetic radiation of blood] Arkh. biol. nauk, 1936, **41**: 143–50.—**Mai, H.** Ueber die körpereigene Ultraviolettstrahlung (Gurwitscheffekt) im Kindesalter. Acta paediat., Upps., 1933, **16**: 243–6.—**Ono, S., & Huruya, A.** Undō zen-go ni okeru sokukaku-bunretu-kōsen to kettō-ryō to no kankei [On the relation between mitogenetic radiation and the blood-sugar before and after physical exercise] Keiō igaku, 1937, **17**: 583–91.—**Siebert, W. W., & Seffert, H.** Blutgruppen und Blutstrahlung. Biochem. Zschr., 1936, **287**: 109–12.—**Vasiljev, L. L.** [Effect of mental work on the mitogenetic radiation of the blood] Arkh. biol. nauk, 1934, ser. B, **35**: 95–105.

MITOLO, Michele, 1903– Metalli e metalloidi non comuni negli organismi; presenza e distribuzione, significato biologico, metodi analitici. 365 p. 8° Roma, Fisiol. & med., 1932.

—— Vitamine; odierni aspetti del problema. xii, 485p. tab. 25cm. Tor., Rosenberg & Sellier, 1937.

MITOSIN.

See also **Mitogenesis.**

Bermi, Y. *Développement de follicule ovarien humain provoqué par action de complexe hormonal dit antéhypophysaire d'origine urinaire (Mitosine gamétotrope) 62p. 8° Par., 1935.

Dixon, H. H. Evidence for a mitotic hormone; observations on the mitoses of the embryo-sac of Fritillaria imperialis. Sc. Proc. R. Dublin Soc., 1945–46, **24**: 119–24, 3 pl.—**Moricard, R.** Existence de relations entre la mitosine gamétotrope, les modifications du vacuome radié et le déclenchement de la mitose réductionnelle précissive de l'ovulation et de la formation du

corps jaune chez le lapin. C. rend. Acad. sc., 1934, **199**: 1667–9. ——— Déclenchement de la métaphase de la première mitose de maturation de l'ovocyte par injection de mitosine. Ann. physiol., Par., 1936, **12**: 763–73. ——— Développement folliculaire provoqué dans l'ovaire humain en greffe vulvaire par injection de mitosine d'origine urinaire. Bull. Soc. obst. gyn. Paris, 1936, **25**: 422–6. ——— De l'existance de la fonction méiogène du liquide folliculaire; mitosine et notion d'hormonisation ovocytaire. Bull. Soc. sex., Par., 1936, **3**: 473–94. ——— Essai de détermination d'un titrage d'immunisation anti-mitosine chez la lapine par rapport à l'effet de lutéinisation hémorragique. Ibid., 521. ——— Effets mitotiques germinaux et somatiques provoqués par l'injection de mitosine; notion d'hormonisation ovocytaire; la fonction méiogène du liquide folliculaire. C. rend. Ass. anat., 1936, **31**: 245–63, illust. Also Monit. zool. ital., 1937, **47**: Suppl., 181 (Abstr.) Also Verh. Anat. Ges. 1937, **44**: 133 (Abstr.) ——— & **Gothié, S.** Relations biométriques unissant le développement de l'appareil génital et certains extraits de sérum de jument gravide; mitosine sérique. C. rend. Soc. biol., 1938, **128**: 509–12.—**Moricard, R., & Palmer, R.** Lutéinisation hémorragique, déterminée par un trouble de sécrétion antéhypophysaire (mitosinisme lutéohémorragique) Bull. Soc. obst. gyn. Paris, 1936, **25**: 435–42.—**Moricard, R., & Vila, J.** De l'existence de deux maxima dans l'élimination urinaire de mitosine coïncidant respectivement avec la méiose de la menstruation. Ibid., 1935, **24**: 619–25.

MITOSIS.

See **Cell-division,** Karyokinesis.

MITOTIC hormone.

See **Mitosin.**

MITOTIC index.

See also under such terms as **Cancer; Growth,** etc.

HOFFMAN, J. G. Ideal theory of the mitotic index and its application to tissue growth measurements. 8p. 26½cm. Oak Ridge, Tenn., 1948.

Forms AECD 1960 (or, LADC 498) Docum. U. S. Atom. Energy Com.

Blumenfeld, C. M. Periodic mitotic activity in the epidermis of the albino rat. Science, 1939, **90**: 446. ——— Studies of normal and of abnormal mitotic activity; the rate and the periodicity of the mitotic activity of experimental epidermoid carcinoma in mice. Arch. Path., Chic., 1943, **35**: 667–73.—**Blumenthal, H. T.** The mitotic count in the adrenal cortex of normal guinea pigs. Endocrinology, 1940, **27**: 477–80.—**Bragg, A. N.** The organization of the early embryo of Bufo cognatus as revealed especially by the mitotic index. Zschr. Zellforsch., 1938, **28**: 154–78.—**Bullough, W. S.** The effects of high and low temperatures on the epidermal mitotic activity of the adult male mouse, Mus musculus L. J. Exp. Biol., Lond., 1949, **26**: 76–82. ——— The relation between the epidermal mitotic activity and the blood-sugar level in the adult male mouse, Mus musculus L. Ibid., 83–99. ——— Age and mitotic activity in the male mouse, Mus musculus L. Ibid., 261–86. ——— & **Green, H. N.** Shock and mitotic activity in mice. Nature, Lond., 1949, **164**: 795.—**Jailer, J. W.** Mitotic index of hyperplastic interstitial cells of the guinea pig. Proc. Soc. Exp. Biol., N. Y., 1938–39, **39**: 281–3.—**Mitotic** rhythm in human tissues. J. Am. M. Ass., 1939, **112**: 436.—**Preto, V.** Analisi della distribuzione dell'attività mitotica in giovani embrioni di ratto. Arch. ital. anat., 1938–39, **41**: 165–206.

MITOTIC poison.

See also **Cell-division,** Karyokinesis; **Mitoclasis.**

GAVAUDAN, P. Pharmacodynamie de l'inhibition de la caryocinèse. 337p. 24½cm. Par., 1947.

Barnard, C. The c-mitotic activity of cryptopleurine. Austral. J. Sc., 1949–50, **12**: 30.—**Battle, H. I., & Laing, M. A.** Some effects of urethane (ethyl carbamate) on mitosis in the trout blastoderm. Anat. Rec., 1949, **105**: 527.—**Bucher, O.** Zur Kenntnis der Mitose; die Wirkung von Arsenik auf Fibrocytenkulturen. Zschr. Zellforsch., 1939–40, **30**: 438–62.—**Bullough, W. S.** The mitogenic actions of starch and oestrone on the epidermis of the adult mouse. J. Endocr., Lond., 1949–50, **6**: 350–61. ——— The action of colchicine in arresting epidermal mitosis. J. Exp. Biol., Lond., 1949, **26**: 287–91.—**Churý, J.** Několik nových poznatků na poli mitotických jedů. Lék. listy, 1949, **4**: 607–12, illust.—**Constantin, T.** Mitogénèse et colchicine dans la racine d'oignon. Bull. histol. appl., Lyon, 1940, **17**: 97–108.—**Deysson, G.** Tuméfaction des racines et mito-inhibition sous l'influence du camphre. C. rend. Acad. sc., 1945, **221**: 568–70.—**Druckrey, H., & Schreiber, E.** Die Wirkung des Coffeins auf die Zellteilung und das Wachstum. Arch. exp. Path., Lpz., 1937–38, **188**: 208–14.—**Dustin, P.,** jr. Nouvelles recherches sur les poisons mitotiques à action radiomimétique. C. rend. Ass. anat. (1947) 1948, **34**: 173–7. ——— Note sur le mécanisme d'action des poisons radiomimétiques. C. rend. Soc. biol., 1948, **142**: 1433–5. ——— L'action des poisons mitotiques sur l'hématopoièse normale et pathologique. Schweiz. med. Wschr., 1950, **80**: 158.—**Friedmann, E.** Un groupe d'inhibiteurs mitotiques. Bull. Soc. chim. biol., Par. 1949, **31**: 506–9.—**Gaulden, M. E., Carlson, J. G., & Tipton, S. R.** Effects of carbon dioxide and nitrogen gas on mitosis as observed in living neuroblasts of grasshopper embryo. Anat. Rec., 1949, **105**: 496.—**Gavaudan, P.** Essai d'explication du mécanisme de rotation de l'axe de caryocinèse et du plan de cytodiérèse dans la cellule végétale soumise à l'action des substances modificatrices de la caryocinèse. C. rend. Soc. biol., 1942, **136**: 419. ——— Etude quantitative de l'action mito-inhibitrice des substances aromatiques; définition et terminologie des effets cytologiques utilisés comme test. Ibid., 1943, **137**: 281–3. ——— Etude quantitative de la mito-inhibition dans la cellule végétale; description d'une technique applicable à divers essais pharmacodynamiques. Ibid., 342. ——— & **Gavaudan, N.** Comparaison du mode d'action de quelques substances inhibitrices de la caryocinèse. Ibid., 1939, **130**: 432–4. ——— & **Durand, J. F.** Sur la similitude d'action de l'acénaphtène et de la colchicine dans l'inhibition de la caryocinèse. Ibid., 1938, **129**: 559–62. ——— Action du naphtalène et du diphényle sur la caryocinèse. Ibid., 1939, **130**: 53–6. ——— Sur les anomalies de la caryocinèse et de la cytodiérèse provoquées par l'α-chloronaphtalène et le p-dichlorobenzène. Ibid., 1443–6.—**Hohl, K.** Vergleichende Untersuchungen über die Beeinflussung der Mitose durch Röntgenstrahlen und chemische Stoffe. Radiol. clin., Basel, 1948, **17**: 302–9. Also Schweiz. med. Wschr., 1948, **78**: 1293.—**Lettré, H.** Hemmstoffe des Wachstums, insbesondere Mitosegifte. Forsch. & Fortsch., 1942, **18**: 309. ——— Mitosegifte aus dem Pflanzenreich. Pharmazie, Berl., 1946, **1**: 145–51. ——— Mitosegifte und ihre Bedeutung für die Chemie der Zellteilung. Klin. Wschr., 1948, **26**: 382. ——— & **Lettré, R.** Aufhebung der Wirkung von Mitosegiften durch chemische Faktoren. Naturwissenschaften, 1946, **33**: 283.—**Loveless, A., & Revell, S.** New evidence on the mode of action of mitotic poisons. Nature, Lond., 1949, **164**: 938–44.—**Moellendorff, W. von.** Der Mechanismus der Mitose und die Möglichkeiten seiner Beeinflussung. Jahrkurs. ärztl. Fortbild., 1938, **29**: H. 1, 1–9. ——— Durch carcinogene Kohlenwasserstoffe und Geschlechtshormone in Gewebekulturen erzielte Mitosestörungen. Klin. Wschr., 1939, **18**: 1098.—**O'Connor, R. J.** Mitotic poisons. Broad Way, Lond., 1946–48, **11**: 241–3.—**Odiette, D., & Truhaut, R.** Recherches sur la nature de l'action de substances mitogénétiques dans les cultures de tissus in vitro. Bull. histol. appl., Lyon, 1937, **14**: 97–105, illust.—**Parmentier, R., & Dustin, P.,** jr. Early effects of hydroquinone on mitosis. Nature, Lond., 1948, **161**: 527.—**Philips, F. S., Ferguson, F. C.,** jr, & **Riker, W. F.,** jr. The pharmacology of compounds influencing mitosis and growth. Annual Rep. Com. Growth (Nat. Res. Counc.) 1948–49, **4**: 131.—**Prakken, R., & Levan, A.** Notes on the colchicine-meiosis of Allium cernuum. Hereditas, Lund, 1946, **32**: 123–6.—**Reed, H. S.** The action of quinones on mitosis. Experientia, Basel, 1949, **5**: 237–9.—**Schoetensack, W.** Phosphatasen und Mitosegifte. Arch. exp. Path., Berl., 1949, **208**: 215.—**Sentein, P.** Analyse du mécanisme de la caryocinèse par l'action de substances antimitotiques sur l'oeuf en segmentation. J. physiol., Par., 1949, **41**: 269A. ——— Action de diverses substances, caféine, uréthane, cacodylate, trypaflavine, sur la mitose. Schweiz. med. Wschr., 1949, **79**: 528.—**Simonet, M., & Guinochet, M.** L'action de quelques dérivés halogénés et nitrés des carbures cycliques sur les mitoses, dans les cellules végétales. C. rend. Soc. biol., 1939, **132**: 455–7.—**Thomas, J. A.** Evolution nucléaire de l'oeuf d'oursin en segmentation, après blocage de la mitose par la 4-oxy-4'-amino-diphényl-sulfone (98 G) Ibid., 1943, **137**: 12.—**Thomas, P. T., & Drew, R.** Chemical control of mitosis. Nature, Lond., 1943, **152**: 564.—**Trofimović, V. P.** [Effect of potassium cyanide and methylene blue on the vital activity of the infusoria of Paramaecium caudatum] Biol. J., Moskva, 1936, **5**: 403–14.

—— Gamma radiation.

See also **Radiation gamma; Radiation injury,** in the Military Section.

BISIG, M. *Ueber Veränderungen des Mitosenbildes bei röntgenbestrahlten Wurzelkeimlingen der Vicia faba equina. 24p. 23cm. Bern, 1943.

PERK, P. *Zur Kenntnis der Mitose; über den Einfluss von Radium- und Röntgenstrahlen auf die Zellteilung in Gewebekulturen [Zürich] 33p. 22½cm. Berl., 1944.

Also Zschr. Zellforsch., 1942–43, **32**:

SAGOLS, L. *Action des radiations sur la division cellulaire et les mutations. 179p. 25½cm. Montpel., 1935.

Carlson, J. G. Immediate effects of 250 r of X-rays on the different stages of mitosis in neuroblasts of the grasshopper,

Chortophaga viridifasciata. J. Morph., 1940, **66**: 11–23.—**Gentcheff, G., & Gustafsson, A.** The double chromosome reproduction in Spinacia and its causes; an X-ray experiment. Hereditas, Lund, 1939, **25**: 371–86.—**Lazarus-Barlow, W. S., & Bonney, V.** The influence of Radio-activity on the division of animal cells. Arch. Middlesex Hosp., Lond., 1909, **15**: 147–55, pl.—**Marshak, A.** The stage of mitosis at which chromosomes are rendered less sensitive to X-rays by ammonia. Proc. Soc. Exp. Biol., N. Y., 1938–39, **39**: 194–8.—**Simon-Reüss, I., & Spear, F. G.** The effect of gamma radiation on mitosis in vitro. Brit. J. Radiol., 1947, **20**: 63–70.—**Sobel, E. S.** Effects of X-rays on the mitotic stages in the epidermis of the newborn mouse. Anat. Rec., 1949, **105**: 556.—**Sparrow, A. H.** Radiation sensitivity of cells during mitotic and meiotic cycles with emphasis on possible cyto-chemical changes. Nuclear Sc. Abstr., 1949, **2**: 336.—**Warren, S.** The effect of gamma radiation on mitosis. Am. J. Roentg., 1937, **38**: 899–902.—**Whiting, A. R.** Sensitivity to X-rays of different meiotic stages in unlaid eggs of Habrobracon. J. Exp. Zool., 1940, **83**: 249–69.

MITOUART, Louis Alexandre Jacques, 1766–1848.

Dorveaux, P. Le cervelet de Voltaire et les Mitoüart. Bull. Soc. hist. pharm., Par., 1924, 409; 1925, 1.

For biography see in Index biogr. (Acad. méd.) Par., 1939, 86.

MITOUART, Pierre François, 1733–86.

Dorveaux, P. Le cervelet de Voltaire et les Mitoüart. Bull. Soc. hist. pharm., Par., 1924, 409; 1925, 1, portr. ——— Quelques mots de plus sur Mitoüart. Rev. hist. pharm., Par., 1931, **19**: 254–62.

MITRA, Amiya Kanta, 1895–

For biography see Indian & Pakistan Yearb., 1950, **36**: 720.

MITRA, Manoranjan, 1895–1942.

For obituary see Phytopathology, 1944, **34**: 939, portr. (Mundkur, B. B.)

MITRA, Mrigendralal, 1867–1934.

For obituary see Calcutta M. J., 1934–35, **29**: 307, portr.

For portrait see J. Ind. M. Ass., 1948–49, **18**: Suppl., opp. p. xix.

MITRA, Subodh, 1895–

For portrait see Acta radiol., Stockh., 1928, Suppl. 5, 114.

MITRACOS, Démètre, 1908– *La biopsie dans le cancer du larynx [Strasbourg] 28p. 24½cm. Toul, Impr. touloise, 1938.

MITRAGYNA.

See also **Mitragynine.**

Barger, G., Dyer, E., & Sargent, L. J. The alkaloids of Mitragyna rotundifolia. J. Org. Chem., 1939, **4**: 418–27.—**De Wildeman, E.** Mulongwa, Mitragyna stipulosa, Hiern, O. K. Mém. Sect. sc. nat. Inst. col. belge, 1939, **9**: No. 3, 309–20.—**Perrot, E., Raymond-Hamet & Larrieu.** Action pharmacodynamique des Mitragyna africains. Bull. Acad. méd., Par., 1930, 3. ser., **103**: 590–6. Also Bull. sc. pharm., Par., 1930, **37**: 401–6.

MITRAGYNINE [& relatives]

See also **Alkaloids; Mitragyna.**

Denis, P. Sensibilité de quelques réactions d'identification de la mitraphylline. J. pharm. Belgique, 1927, **9**: 22.—**Field, E.** Mitragynine and mitraversine, two new alkaloids from species of Mitragyne. J. Chem. Soc., Lond., 1921, 887–91.—**Grewal, K. S.** Observations on the pharmacology of mitragynine. J. Pharm. Exp. Ther., 1932, **46**: 251–71.—**Massion, L.** Contribution à l'étude de la mitraphylline. Arch. internat. pharm. dyn., Gand, 1934, **48**: 217–26.—**Michiels, L.** Note sur la mitraphylline. J. pharm. Belgique, 1931, **13**: 159. ——— & **Delvaux, E.** Sur la mitraphilline. Ibid., 719–23.—**Millat, L.** La mitrinermine, base végétale hypotensive, est-elle identique à la rhynchophylline? Ann. pharm. fr., 1946, **4**: 27–9. ——— **Perrot, E., & Raymond-Hamet.** Sur les propriétés hypothermisantes de la mitrinermine. Bull. Acad. méd., Par., 1936, 3. ser., **116**: 266–8.—**Raymond-Hamet.** Sur l'action physiologique de la mitrinermine. C. rend. Soc. biol., 1934, **116**: 1337–9. ——— Détermination, en hiver et en été, de la dose de mitrinermine mortelle pour le cobaye. Ibid., 1940, **134**: 459–62. ——— Effets comparés de la rhynchophylline et de la mitrinermine sur les organes isolés. Arch. internat. pharm. dyn., Gand, 1941, **66**: 330–6. ——— & **Millat, L.** La mitraphylline. Bull. sc. pharm., Par., 1935, **42**: 602–11.

MITRAL valve.

See **Heart valve,** Mitral valve.

MITRANI, Arthur, 1910– *Contribution à l'étude des formes cliniques et du traitement de l'acrodynie infantile. 76p. 8° Par., Presses modernes, 1935.

MITRANO, Anthony Joseph [Ph. D. 1937, Yale] Principles of conditioning in human goal behavior. iii, 70p. 24½cm. Columbus, O., Am. Psychol. Ass., 1939.

Forms No. 4, v.**51**, Psychol. Monogr.

MITRAPHYLLINE.

See with **Mitragynine.**

MITRARIA.

Cialona, M. Osservazioni fatte sullo sviluppo di una mitraria. Ricer. Laborat. anat. norm. Roma, 1901, **10**: 257–61.

MITRE, Bartolomé, 1821–1906.

Ivanissevich, O. La herida de Mitre. Día méd., B. Air., 1945, **17**: 381–3.

MITRINERMINE.

See with **Mitragynine.**

MITSCHEFF, Ivan K., 1899– *Ueber das klinische Bild der Retinitis exsudativa externa. 16p. 8° Rost., Winterberg, 1927.

MITSCHERLICH, Alexander, 1908– Vom Ursprung der Sucht; eine pathogenetische Untersuchung des Vieltrinkens. 309p. tab. 22cm. Stuttg., E. Klett, 1947.

Also editor of **Psyche.** Heidelberg, v.**1,** 1947–

——— & **MIELKE, Fred.** Das Diktat der Menschenverachtung; eine Dokumentation. 175p. illust. tab. diagr. form. 19½cm. Heidelb., L. Schneider, 1947.

——— Doctors of infamy; the story of the Nazi medical crimes. Transl. by Heinz Norden. xxxix, 172p. illust. portr. tab. ch. 21½cm. N. Y., H. Schuman, 1949.

In part, a translation of Das Diktat der Menschenverachtung.

MITSCHERLICH, Eilhardt, 1794–1863.

For obituary see Année sc. indust., Par. (1863) 1865, **8**: 539.

For biography see in Torchbearers of Chemistry (Smith, H. M.) N. Y., 1949, 173, portr.

For portrait see Collection in Library. Also Hist. Chem. (Moore, F. J.) 3. ed., N. Y., 1939, 163. Also Laboratory, Pittsb., 1942, **13**: 51.

MITSCHERLICH, Karl Gustav, 1805–71.

For biography see in Index biogr. (Acad. méd.) Par., 1939, 86.

MITSCHERLICH, Valeska, 1909– *Beitrag zur Beurteilung der Besserung schwachsichtiger kindlicher Augen durch einfache Sehübungen. 18p. 8° Königsb. i. P., Graphische Kunstanstalt, 1936.

MITSCHERLICH, Waldemar Oskar Eilhard, 1877– Erkenntnis-Möglichkeit der Natur- und Geisteswissenschaften. ix, 69p. 8° Stuttg., W. Kohlhammer, 1937.

MITTAG, Alfred Georg, 1908– *Experimentelle Untersuchungen über Aenderungen des Lipasegehaltes im Blutserum während der Laktation. 16p. 8° Halle a. S., E. Klinz, 1936.

MITTAG, Ernst Wilhelm, 1911– *Klinische Beobachtungen über die Verträglichkeit eines neuen Goldpräparates [München] 14p. 21cm. Bottrop i. W., W. Postberg, 1937.

MITTAG, Hans, 1907– *Ueber die Möglichkeit einer orthopädischen Zahnverschiebung auch im vorgerückten Alter. 30p. 8° Lpz., A. Hoffmann, 1933.

MITTAG, Margit. A diétás konyha; a mindennapos gyakorlatban. v.p. 21cm. Budap., Singer & Wolfner, 1933.

MITTAG, Wolfgang, 1910– *Die perinephritische Entzündung [Würzburg] 23p. 8° Köln, I. Borowsky, 1934.

MITTEILUNGEN über allgemeine Pathologie und pathologische Anatomie; hrsg. von der Kaiserliche Tōhoku Universität zu Sendai, Japan. Sendai, v.**1–10,** No. 2, 1919/22–1938.

Merged into **Tōhoku journal of experimental medicine,** with v.**51,** 1949–

Title varies: v.**1,** No. 1–2, **Mitteilungen** aus dem Pathologischen Institut der Kaiserlichen Universität zu Sendai.

MITTEILUNGEN über Biochemie. Lage, v.40, 1933–

MITTEILUNGEN für den Buchhandel in der französischen Zone. Freib. i. B., v.1, 1946–

MITTEILUNGEN der Deutschen pharmazeutischen Gesellschaft.

See **Berlin, Germany. Deutsche pharmazeutische Gesellschaft.** Berichte. v.1–33, 1891–1923.

MITTEILUNGEN aus dem Gebiete der Lebensmitteluntersuchung und Hygiene. Bern, v.1, 1910–

MITTEILUNGEN aus dem Gebiet der Luftfahrtmedizin; hrsg. vom Inspekteur des Sanitätswesens der Luftwaffe. Forschungsbericht. 3 Nos. illust. ch. [size varies, 29–30½cm.] Berl., 1942.

CONTENTS

No. 3. Einäugige als Flugzeugführer. Kyrieleis, W., ed. 1942.
No. 5. Tierversuche zum Fallschirmabsprung aus Ueberdruckkabinen. Wendt, H. J. C. T., & Lutz, W. 1942.
No. 9. Physiologisch-optisch wichtige Fragen für die Flugtätigkeit bei Nacht. Schmidt, I., ed. 1942.

—— Tagungsbericht. Nos. 3, 7. 2 Nos. illust. tab. ch. 29½cm. Berl., 1942–43.

CONTENTS

No. 3. Bericht über die Tagung der Luftwaffenpathologen in Freiburg i. Br., am 25.–27. März 1942. 1942.
No. 7. Bericht über eine wissenschaftliche Besprechung am 26. und 27. Oktober 1942 in Nürnberg über Aerztliche Fragen bei Seenot und Winternot. 1943.

MITTEILUNGEN zur Geschichte der Medizin, der Naturwissenschaften und der Technik; Organ der Deutschen Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik. Hamb., &c., v.1, 1902–

MITTEILUNGEN aus den Grenzgebieten der Medizin und Chirurgie. Jena, v.1, 1896–

—— Supplementband. Jena, v.1, 1901–

—— Gesamtregister zu den Bänden I–XV und zu den Supplementbänden I und II; von Adam Schneider. p.1., 58p. 24½cm. Jena, G. Fischer, 1906.

MITTEILUNGEN des Reichsforschungsrates; Medizin; bearbeitet in Gemeinschaft mit dem Reichskommissar für das Sanitäts- und Gesundheitswesen unter Mitwirkung der Auslandsabteilung der Reichsärztekammer. Berl., No. 1, 1944–

MITTELBACHERT, Reinhard Gotthilf Hermann, 1916– *Die Eiweissernährung während des Krieges von Mitte November bis Mitte Dezember 1940 bei der Verköstigung in Berliner Gaststätten 2. und 3. Ranges [Berlin] 16p. tab. 23cm. Charlottenb., K. & R. Hoffmann, 1941.

MITTELHAEUSSER, Werner, 1902– *Ein Fall von Irresein aus Zwangsvorstellungen [Jena] 38p. 8° Hamb., A. Brünnler, 1929.

MITTELMANN, Béla, 1899–

See **Maslow, A. H., & Mittelmann, B.** Principles of abnormal psychology. 638p. 22cm. N. Y., 1941.

For biography see in Internat. Who's Who World M., N. Y., 1947, 482.

MITTELMANN, Maximilian, 1911– *Le parricide et son étiologie. 52p. 8° Par., Picart, 1936.

MITTELSTAEDT, Ottfried, 1910– *Ueber das Vorkommen von Diphtheriebazillen bei Tieren; Untersuchung der Vaginalschleimhaut von Kälbern. 19p. 22cm. Rost., G. Neumann, 1937.

MITTELSTAEDT, Otto, 1907– *Gewerbeschädigungen durch Haftax (Trichlornaphthalin) [Jena] 15p. 8° Borna-Lpz., R. Noske, 1935.

MITTELSTAEDT, Wilhelm, 1904– *Untersuchungen von Zahnwurzelgranulomen auf Bakteriengehalt. 23p. 8° Lpz., n. p., 1930.

MITTELSTRASS, Margot, 1912– *Ueber das Angiom der Chorioidea. 20p. 8° Lpz., A. Edelmann, 1937.

MITTEMEYER, Hermann Otto, 1911– *Ueber die Wandverkalkung der Gallenblase [Frankfurt a. M.] 32p. 8° Limburg a. L., Limburg. Vereinsdr., 1936.

MITTENDORF, Reinhold von, 1596–1657.

For biography see in Aerzte Livlands (Brennsohn, I.) Mitau, 1905, 294.

MITTENDORF, Walter. *Beitrag zur Klinik der Intrasinuösen Bluttransfusion (nach Opitz) 11p. 8° Gött., Gebr. Wurm, 1926.

MITTENZWEI, Joseph, 1907– *Untersuchungen über den funktionellen Wert der Abrasions-Backenzähne. 15p. 8° Münch., Bayer. Druck., 1934.

MITTERMAIER, Georg Gottfried Wolfgang, 1867– , **WERTHAUER, Johannes** [et al.] Zur Reform des Sexualstrafrechts; kritische Beiträge. vi,186p. 8° Bern, H. Huber, 1926.

MITTERMAIER, Richard, 1897– Die Krankheiten des Nasennebenhöhlen und des Ohres im Röntgenbild. 141p. 4° Lpz., G. Thieme, 1934.

Forms Ergbd 45, Fortsch. Röntgenstrahl.
For biography see Med. Klin., Münch., 1947, 42: 176.

MITTERMAIER, Simon, 1880– *Ueber die Speichelsteinkrankheit. 82p. 8° Münch., n. p., 1927.

MITTEY, Robert. *De l'action oligodynamique de l'argent et de son application en médecine dentaire pour l'obturation radiculaire. 144p. pl. tab. 24½cm. Genève, Impr. Kundig, 1940.

MITTLEMAN, Myron Budd, & Jopson, Harry Gorgas Michener. A new salamander of the genus Gyrinophilus from the Southern Appalachians. 5p. pl. 24½cm. Wash., Gov. Print. Off., 1941.

Forms No. 2, v.101, Smithson. Misc. Collect.

MITTLER, Nicolas, 1914– *Des guérisons dites miraculeuses aux guérisseurs et leurs clients; étude psycho-pathologique. 46p. 25cm. Par., A. Legrand, 1940.

MITTMANN, Paul, 1902– *Ueber die Beeinflussung der Acidität des Magens durch Alkali-Atropin-Behandlung [Kiel] p.595–9. 8° Berl., J. Springer, 1927.

Also Zschr. ges. exp. Med., 1927, 57:

MITTMEYER, Benno, 1911– *Eigenschaften des Heparins und sein Verhalten beim Zusatz zum Blut als gerinnungshemmendes Mittel im Vergleich zum Natrium citricum, beobachtet an Blutsenkungen [Berlin] 40p. tab. diagr. 23cm. Charlottenb., K. & R. Hoffmann, 1940.

MITUDA test.

See **Leprosy,** Allergy, specific: Test.

MITUHATA, Kenkiti, –1910.

Honda, M. Kyōdo zyosan-kai no kisai Mituhata Kenkiti-si [Kenkiti Mituhata, a genius in obstetrics (midwifery) in his native village in Okayama Prefecture] Jahrber. Kurasiki Zentr. Hosp., 1936–37, 11: 383–5, pl.

MITUI, Bizan, 1733–84.

For biography see Sinsen dai zinmei ziten, Tokyo, 1940, 6: 58.

MITUI, Kinrin, 1809–90.

For biography see Sinsen dai zinmei ziten, Tokyo, 1940, 6: 56.

MITUI, Sekkō, 1795–1851.

For biography see Sinsen dai zinmei ziten, Tokyo, 1940, 6: 57.

MITUI, Tadao, & SUMI, Sigeru. Anthropologische Untersuchungen an Ainu-Japaner-

Mischungsfamilien. p.335–428. pl. tab. 26cm. Tokyo, 1942.
In: Okajimas fol. anat., 1941–42, **21:**

MITUI, Yukihiko.
Joint author of **Isihara, S., Aoki, H.** [et al.] Dic Aetiologie des Trachoms und der Zusammenhang zwischen dem Trachom und der Einschlussblennorrhoe. 303p. 26cm. Tōkyō, 1941.

MITUKURI, Genpo, 1799–1863.
For biography see Honzo, Tokyo, 1934, opp. p.663. Also in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 59.

MITUKURI, Sinroku, 1893–
For biography see Manchoukuo Yearb., 1942, 938.

MITUSE, Bunsi. Hotai kōsei seibun no kenkyū toku-ni yōketu-sei hotai sin-seibun no syōmei. p.1702–51. tab. 26cm. Kyōto, 1932.
Jap. Zschr. Mikrob., 1932, **26:**

MITZE, Kurt Egon, 1911– *Verhalten des Herzens bei Vagusreizung und direkter Herzreizung mit Wechselströmen verschiedener Frequenzen und Stromstärken. 15p. 8° Lpz., A. Edelmann, 1938.

MITZELY, Alois, 1865–1936.
For obituary see Aerztl. Nachr., Aussig, 1936, **21:** 295.

MITZKY, Dora.
Translator of **Tansley, A. G.** Die neue Psychologie und ihre Beziehung zum Leben. 306p. 23cm. Münch., 1923.

MITZSCHERLING, Rudolf, 1907– *Staublunge und Tuberkulose in der Porzellan-Industrie [Berlin] 66p. 8° Meissen, Hamann & Exner, 1934.

MIURA, Kinnosuke, 1864–
Joint editor of **Neurologia.** Tokyo, v.21, 1922–
For biography see in Med. Liter. Schriftstell. Vademec. (Albert, H.) Hamb., 1908, 330. Also in Index biogr. (Acad. méd.) Par., 1939, 86. Also in Sinsen dai zinmei ziten, Tokyo, 1942, **7:** 497. Also Jap. M. J. (w.) 1949, 2117 (Haga, E.) Also J. Jap. M. Ass., 1950, **24:** 63, portr.
For portrait see Ciba Zschr., Basel, 1934–35, **2:** 703.

MIURA, Moriharu, 1857–1916.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 21. Also Jap. M. J. (w.) 1950, 64 (Sata, A.)

MIURA, Nobuyuki. Syosyu dōbutu ni okeru sosiki hihan saihō no sosikigaku-teki hikaku kenkyū. p.1–103. pl. 25cm. Sendai, 1932.
Tohoku igaku zassi, 1931–32, **14:** Suppl. 1.

MIURA, Wahei. Tyōtan-denpa no igaku-teki kenkyū. [63]p. tab. ch. 25cm. Sendai, 1937.
Tohoku igaku zassi, 1937, **20:** 207; 678.

MIURA, Yosio. Tyō-heisoku siin ni kan-suru zikken-teki kenkyū; kō-i tyō-heisoku no sai ni okeru Ileus-dokuso keisei bui narabi-ni dokuso no seizyō ni tuite. p.1645–701. tab. ch. 25cm. Keizyō, 1930.
J. Chosen M. Ass., 1930, **20:**

MIVERIUS, Daniël, fl. 1591 A. D.
For biography see in Nieuw nederl. biogr. woordenb., Leiden, 1912, **2:** 925.

MIVILLE, Niklaus, 1718–91.
For biography see in Dict. hist. biog. Suisse, Neuchâtel, 1928, **4:** 766.

MIWA, Banryū, 1803–79.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 155.

MIWA, Huzio. Zyūnisityō-tyū kansen ni kan-suru zikken-teki kenkyū. [110]p. pl. tab. 21cm. Tokyo, 1928.
Gun idan zassi, 1928, No. 179, 523; No. 180, 632; No. 181, 810.

MIWA, Isao. Siro-nezumi, amakuti-nezumi, oyobi hato no nō, naizō, oyobi ōmonkin no syuzoku narabi-ni zōki tokuisei ni kan-suru kesseigaku-teki kenkyū; hu, dōbutu aku-sei syuyō no siro-nezumi, amakuti-nezumi, oyobi hato no syo-zōki men-eki kessei ni tai-suru hotai-ketugō hannō ni tuite. p.2515–78. tab. ch. 26cm. Tōkyō, 1952.
Tokyo teikoku daigaku igaku-bu byorigaku kyositu gyoseki syu, 1925–28, **2:** No. 50.

MIWA, Makoto, 1889–1946.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1942, **7:** 513.
For obituary see Fol. pharm. jap., 1946, **42:** No. 2, front., portr.

MIWA, Tokuhiro, 1859–1933.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 155.

MIX, Charles Louis, 1869–1935.
For portrait see in Neoplasm (Northwest. Univ. M. School) Chic., 1902, 55.

MIX, John V. Medical laboratory manual. 86p. 16° Birmingham, Ala., 1931.

MIXING.

See also **Mixture.**

Beard, J. W. An instrument for the rapid mixing of fluids in small tubes. Science, 1945, **102:** 206.—**Claff, C. L., & Tahmisian, T. N.** Cartesian diver technique; a simplified mixing method in a new type of cartesian diver vessel. Biol. Bull., 1948, **95:** 253.—**Fischer, R., & Karasek, G.** Die kritische Mischungstemperatur als Hilfsmittel zur Kennzeichnung und Bestimmung kleinster Flüssigkeitsmengen. Mikrochemie, Wien, 1947–48, **33:** 316–27.—**Goldstein, S. W.** Extemporaneous pharmaceutical compounding. Food Drug Cosmet. Law Q., 1948, **3:** 109–13.—**Hübner, G.** Eine vereinfachte Mischungsregel. Deut. Drogist. Ztg, 1948, **3:** 37.—**Krauss, V. P.** Mixing and agitating. Drug Markets, Pittsfield, 1928–29, **23:** 25–7.—**Wingard, R. E., & Crain, C. M., jr.** Mixing efficiency studies; rates of mixing and power consumption of the two-blade paddle and the Hoesch stirrer. J. South. Res., 1949, **1:** No. 3, 9–11.

MIXIUS, Otto Helmut, 1901– *Die in den Jahren 1929–31 an der Universitäts-Augenklinik in Würzburg mit der Elliot'schen Trepanation in der Modifikation von F. Schieck behandelten Fälle von Glaukoma simplex. 27p. tab. 8° Würzb., Gebr. Memminger, 1933.

MIXNER, John P. Paulding, 1915– , & **TURNER, Charles Wesley.** The mammogenic hormones of the anterior pituitary; the lobule-alveolar growth factor. 62p. illust. tab. diagr. 22½cm. Columbia, Univ. Missouri, 1943.
Forms No. 378, Res. Bull. Agr. Exp. Sta. Univ. Missouri.

MIXOSAURUS.

Broili, F. Einige Bemerkungen über die Mixosauridae. Anat. Anz., 1916–17, **49:** 474–94.

MIXOSCOPY.

Abraham, K. Ueber Einschränkungen und Umwandlungen der Schaulust bei den Psychoneurotikern nebst Bemerkungen über analoge Erscheinungen in der Völkerpsychologie. p.25–88. 23cm. Lpz., 1914.
Jahrb. Psychoanal., 1914, **6:**

Gebsattel, E. v. Der Einzelne und der Zuschauer; Untersuchungen zur Psychologie und Pathologie des Triebes nach Beachtung. Zschr. Pathopsychol., 1912–14, **2:** 36–78.—**London, L. S., & Caprio, F. S.** Mixoscopia. In their Sex. Deviat., Wash., 1950, 599.—**Oberndorf, C. P.** Voyeurism as a crime. J. Crim. Psychopath., 1939, **1:** 103–11.—**Spitz, R. A.** Vagadu; une analyse dans le miroir de l'intuition de l'artiste; commentaire psychanalytique. Rev. fr. psychanal., 1934, **7:** 550–79.

MIXTER, Charles Galloupe, 1882–
For bibliography see in Index d. titres Soc. internat. chir., Brux., 1933, **1:** 232.

MIXTER, Charles Galloupe, jr, 1912–
The medical support of air warfare in the South and Southwest Pacific, 7 December 1941–15 August 1945. MS. 4v. pl. [Before March 1948]
Forms No. 35, Rep. Air. Evaluat. Bd SWPA U. S. Air Force.
MS. in Histor. Div. SGO U. S. Army.

MIXTER, Samuel Jason, 1855–1926.
Viets, H. R. Biography. In: Dict. Am. M. Biogr. (Kelly, H. A., & Burrage, W. L.) N. Y., 1928, 859.

MIXTER, William Jason, 1880–
See **Shattuck, G. C., & Mixter, W. J.** Handbook of health for overseas service. 2. ed., rev. 228p. 15cm. Cambr., 1943.
For bibliography see in Index d. titres Soc. internat. chir., Brux., 1933, **1:** 232.
For portrait see N. England J. M., 1946, **234:** 647.

MIXTURE.

See also **Mixing.**

Anderson, L., & Hill, D. W. A further case of the spontaneous resolution of externally compensated mixtures. J. Chem. Soc., Lond., 1928, 993–7.—**Bennett, G. M.** The proximate analysis of mixtures by methods depending on differential solubility and saturation. Analyst, Lond., 1948, **73**: 191–6.—**Bonot, A.** Remarques de principe sur la séparation des mélanges de substances syncristallisables ou simplement miscibles. Bull. Soc. chim. biol., Par., 1943, **25**: 297–301.—**Broser, W., & Krüger, H. E.** Ueber die Viskosität von Mischungen linearer hochpolymerer Substanzen. Kolloid Zschr., 1942, **100**: 327–31.—**Goldet, A.** Variation thermique de la biréfringence électrique d'un mélange liquide présentant un point critique de miscibilité. C. rend. Acad. sc., 1936, **203**: 716–8.—**Jost, W.** Das Siedeverhalten von Mehrstoffgemischen. Zschr. Naturforsch., 1946, **1**: 576–80.—**Kay, W. B.** Some peculiarities in the P–I border curves of mixtures of hydrogen and a petroleum naphtha. Chem. Rev., Balt., 1941, **29**: 501–7.—**Keston, A. S., Udenfriend, S., & Cannan, R. K.** Micro-analysis of mixtures (amino acids) in the form of isotopic derivatives. J. Am. Chem. Soc., 1946, **68**: 1390.—**Kobert, E.** Mixtur. In: Realencycl. d. ges. Heilk., 4. Aufl., Berl., 1910, **9**: 878.—**Kottler, F.** The mixture law for viscosity. J. Phys. Chem., 1944, **48**: 76–80.—**Lansing, W. D., & Kraemer, E. O.** Molecular weight analysis of mixtures by sedimentation equilibrium in the Svedberg ultracentrifuge. J. Am. Chem. Soc., 1935, **57**: 1369–77.—**Madgin, W. M., Peel, J. B., & Briscoe, H. V. A.** Cryoscopic evidence of compound formation in mixtures of organic liquids. J. Chem. Soc., Lond., 1928, 707–11.—**Neuhaus, A.** Ueber partiell-isomorphe Mischsysteme organischer Substanzen; sogenannte anomale Mischkristalle. Zschr. phys. Chem., Abt. A, 1942–43, **191**: 359–74.—**Oster, G.** The dielectric properties of liquid mixtures. J. Am. Chem. Soc., 1946, **68**: 2036–41.—**Scatchard, G.** Equilibrium in non-electrolyte mixtures. Chem. Rev., Balt., 1949, **44**: 7–35.—**Shedlovsky, L.** A review of fractionation of mixtures by foam formation. Ann. N. York Acad. Sc., 1948, **49**: 279–94.—**Souchay, P.** Sur le système quaternaire acide-phosphomolybdique/acide-sulfurique/eau/éther. J. chim. phys., Par., 1945, **42**: 61–70.—**Van Rysselberghe, P., & Nutting, L.** Conductivities of one-molal mixtures of alkali halides and nitrates. J. Am. Chem. Soc., 1937, **59**: 333–6.—**Williams, D., Gatica, T., & Gordy, W.** The infra-red absorption of mixtures of water and organic liquids. J. Phys. Chem., 1937, **41**: 645–9.—**Wood, S. E., & Brusie, J. P.** The volume of mixing and the thermodynamic functions of benzene-carbon tetrachloride mixtures. J. Am. Chem. Soc., 1943, **65**: 1891–5.—**Young, S.** Note on mixtures of constant boiling point. J. Chem. Soc., Lond., 1903, 77–83.

—— Pharmacological aspect.

See also under names of chief ingredients of therapeutic mixtures.

Grunberg, L., & Nissan, A. H. Mixture law for viscosity. Nature, Lond., 1949, **164**: 799.—**Mühlemann, H., & Sager, H.** Beiträge zur Kenntnis der Schüttelpinselungen und ihre Stabilisation. Pharm. acta helvet., 1946, **21**: 83–111.—**Nicolet, M.** Considérations sur les mélanges à points eutectiques bas. Schweiz. Apoth. Ztg, 1946, **84**: 769.

MIYAGAWA, Yoneji, 1885– Sensō to malaria [War and malaria] [4] 97p. 18cm. Tōkyō, Nippon Hyōron Sha, 1944.

Forms No. 3, Nippon hyōron sōkan.

Also translator of **Ogine, K.** Conception period of women. 2. ed. 94p. 8°. Harrisburg, 1934.

For biography see in Hervorrag. Tropenärzte (Olpp, G.) Münch., 1932, 284, portr. Also in Sinsen dai zinmei ziten, Tokyo, 1942, **7**: 507. Also Internat. Who's Who World M., N. Y., 1947, 483.

For portrait see Rinsyō no Nippon, 1936, **4**: 1139; 1259.

MIYAGAWANELLA [1935; 1938 Brumpt]

For earlier literature see also under names of diseases caused by this agent.

Beck, M. D., Eaton, M. D., & O'Donnell, R. Further laboratory studies on the classification of psittacosis-like agents. J. Exp. M., 1944, **79**: 65–77.—**Cox, H. R.** Psittacosis, ornithosis, and related viruses. Ann. N. York Acad. Sc., 1947, **48**: 393–414.—**Eaton, M. D.** Studies on inhiblton of the agents of murine and feline pneumonitis by penicillin. Fed. Proc., Balt., 1948, **7**: 304. ——— **Huang, C. T., & Levenson, C. G.** Effect of nitrocompounds on viruses of the psittacosis-lymphogranuloma group. Proc. Soc. Exp. Biol., N. Y., 1949, **71**: 501–7.—**Eaton, M. D., Levenson, C. G., & Hanks, C.** Inhibition of agents of the psittacosis-lymphogranuloma group by P-arsenobenzamide. Ibid., 508.—**Eaton, M. D., Van Allen, A., & Wiener, A.** Action of acridines on agents of the psittacosis-lymphogranuloma group. Ibid., 1947, **66**: 141–6.—**Evans, C. A.** Intraocular infection with the viruses of ornithosis and feline enteritis. J. Bact., Balt., 1946, **51**: 618.—**Francis, R. D., & Gordon, F. B.** Cultivation of viruses of the psittacosis group in the allantoic cavity of chick embryos. Proc. Soc. Exp. Biol., 1945, **59**: 270–2.—**Golub, O. J.** The interference phenomenon within the psittacosis-LGV group of viruses. Fed. Proc., Balt., 1947, **6**: 427. —— — Estimation of LD_{50} titers of psittacosis lymphogranuloma viruses in embryonated eggs. J. Bact., Balt., 1947, **54**: 59. —— — A single-dilution method for the estimation of LD_{50} titers of the psittacosis-LGV group of viruses in chick embryos. J. Immun., Balt., 1948, **59**: 71–82. ——— **& Wagner, J. C.** Interference between human pneumonitis virus and psittacosis virus. J. Bact., Balt., 1948, **55**: 627–36. ——— Studies on the interference phenomenon with certain members of the psittacosis-lymphogranuloma group of viruses. J. Immun., Balt., 1948, **59**: 59–70.—**Gordon, F. B.** Studies in the psittacosis group of viruses. Proc. Inst. M. Chicago, 1944–45, **15**: 420. ——— Serological differentiation of viruses of the psittacosis-LGV group. Rep. Com. Influenza U. S. Army, 1944–45, 35.—**Goyal, R. K.** The investigation of parrots in Calcutta for presence of psittacosis and Brazilian virus. Ind. M. Gaz., 1940, **75**: 735.—**Hamre, D., & Rake, G.** Studies on lymphogranuloma venereum; the action of some antibiotic substances and sulfonamides in vitro and in vivo upon the agents of feline pneumonitis and lymphogranuloma venereum. J. Infect. Dis., 1947, **81**: 175–90.—**Hilleman, M. R.** Immunological studies on the psittacosis-lymphogranuloma group of viral agents. Ibid., 1945, **76**: 96–114. ——— **& Nigg, C.** Studies on lymphogranuloma venereum complement-fixing antigens; fractionation with organic solvents of antigens of the psittacosis lymphogranuloma venereum group. J. Bact., Balt., 1947, **54**: 59.—**Howard, M. E., Blake, F. G., & Tatlock, H.** Feline pneumonia following inoculation with human nose and throat washings. Fed. Proc., Balt., 1945, **4**: 147.—**Kempf, A. H., Wheeler, A. H., & Nungester, W. J.** Isolation of an agent belonging to the psittacosis-lymphogranuloma group of viruses. J. Infect. Dis., 1945, **76**: 135–43.—**Kilham, L.** A skin-test antigen common to five viruses of the psittacosis-lymphogranuloma group. J. Immun., Balt., 1948, **60**: 157–65.—**Kurotchkin, T. J., Libby, R. L.** [et al.] Size and morphology of the elementary bodies of the psittacosis-lymphogranuloma group of viruses. Ibid., 1947, **55**: 283–7, pl.—**Lacorte, J. G.** Vírus pneumotrópicos; os vírus da ornitose e da psitacose. Rev. brasil. med., 1949, **6**: 179; 253.—**Meiklejohn, G., Beck, M. D., & Eaton, M. D.** Atypical pneumonia caused by psittacosis-like viruses. J. Clin. Invest., 1944, **23**: 167–75.—**Meiklejohn, G., Wagner, J. C.** [et al.] Studies on the chemotherapy of viruses in the psittacosis-lymphogranuloma group. J. Immun., Balt., 1946, **54**: 1–16.—**Meiklejohn, G., Wagner, J. C., & Beveridge, G. W.** Effect of penicillin and sulfadiazine on ten strains in chick embryos. Ibid., 1–8.—**Meyer, K. F.** Psittacosis-lymphogranuloma group. In: Viral & Ricketts. Infect. Man (Rivers, T. M.) Phila., 1948, 337–57. ——— **Eddie, B., & Yanamura, H. Y.** Ornithosis, psittacosis, in pigeons and its relation to human pneumonitis. Proc. Soc. Exp. Biol., N. Y., 1942, **49**: 609–15.—**Rake, G.** The diagnosis of infections caused by the psittacosis-lymphogranuloma group of viruses including trachoma and inclusion blennorrhea. In: Diagn. Viral &c. Infect. (Horsfall, F. L., jr) N. Y., 1949, 25–41. ——— **& Jones, H. P.** Studies on lymphogranuloma venereum; the association of specific toxins with agents of the lymphogranuloma-psittacosis group. J. Exp. M., 1944, **79**: 463–86, pl.—**Roca-García, M.** Viruses of the lymphogranuloma-psittacosis group isolated from opossums in Colombia; opossum virus A. J. Infect. Dis., 1949, **85**: 275–89.—**St. John, E., & Gordon, F. B.** Studies on antigenic relationships within the psittacosis-lymphogranuloma group of viruses. J. Bact., Balt., 1946, **51**: 617. ——— Studies on the immunological relationships of the psittacosis-lymphogranuloma venereum group of viruses. J. Infect. Dis., 1947, **80**: 297–306.—**Smadel, J. E.** The psittacosis-lymphogranuloma group of viruses. In: Basic Sc. Notes (U. S. A. Med. Dep. Res. Grad. Sch.) 1948, **2**: No. 8, 28–31.—**Vilches, A. M., Parodi, A. S., & Chialvo, E.** Relaciones antigénicas (sensibilidad cutánea y fijación de complemento) entre virus X, Baker y linfogranuloma venéreo. Medicina, B. Air., 1945–46, **6**: 268–72.—**Wagner, J. C., Golub, O. J., & Andrew, V. W.** Cross immunity studies between virus strains in the psittacosis-lymphogranuloma venereum group. J. Infect. Dis., 1949, **84**: 41–6.—**Weiss, E.** The extracellular development of agents of the psittacosis-lymphogranuloma group (Chlamydozoaceae) Ibid., 125–49, 7 pl.

—— M. bronchopneumoniae.

Andrewes, C. H., & Glover, R. E. Grey lung virus, an agent pathogenic for mice and other rodents. Brit. J. Exp. Path., 1945, **26**: 379–87.—**Avcyn, A. P., & Selcovskaja, M. A.** [Histopathology of rickettsial pneumonia in white mice] J. mikrob., Moskva, 1944, 29–34.—**Cheney, G.** Experimental evidence that certain cases of atypical bronchopneumonia (virus pneumonitis) in California may be due to rickettsial infection. Stanford M. Bull., 1944–45, **2**: 73–8.—**Davenport, F. M.** Multiplication of pneumonia virus of mice in the rabbit lung and the demonstration of a hemagglutinating component in lung suspensions from normal animals. J. Immun., Balt., 1949, **63**: 81–91. ——— **& Horsfall, F. L., jr.** Further studies on the associative reactions of pneumonia virus of mice and influenza viruses; combination with various animal tissues and adsorbents. J. Exp. M., 1950, **91**: 53–64.—**DeGara, P. F., & Furth, J.** The relative susceptibility of normal and x-rayed mice of different stocks to pneumotropic viruses. J. Immun., Balt., 1945, **50**: 255–64.—**Eaton, M. D., Beck, M. D., & Pearson, H. E.** Isolation of a virus from four cases of atypical pneumonia by the

intranasal inoculatlon of mice. J. Bact., Balt., 1941, **41**: 58.—**Eaton, M. D., & Van Herick, W.** Demonstration in cotton rats and rabbits of a latent virus related to pneumonia virus of mice. Proc. Soc. Exp. Biol., N. Y., 1944, **57**: 89–92.—**Gönnert, R.** Die Bronchopneumonie, eine neue Viruskrankheit der Maus. Zbl. Bakt., 1. Abt., 1941, **147**: Orig., 161–74. ——— Weitere Untersuchungen zur Charakterisierung des Bronchopneumonievirus der Maus. Med. & Chem., Berl., 1942, **4**: 478–87.—**Gordon, F. B., Freeman, G., & Clampit, J. M.** A pneumonia-producing filtrable agent from stock mice. Proc. Soc. Exp. Biol., N. Y., 1938, **39**: 450–3.—**Gordon, F. G., & Karr, H. V.** Morphology of a virus causing pneumonitis in mice. Proc. Inst. M. Chicago, 1942–43, **14**: 370.—**Hilleman, M. R., & Gordon, F. B.** A protective antiserum against mouse pneumonitis virus. Science, 1943, **98**: 347.—**Horsfall, F. L.,** jr. A pneumonia virus of mice. Rep. Proc. Internat. Congr. Microb. (1939) 1940, 381. ——— & **Curnen, E. C.** Studies on pneumonia virus of mice (PVM) the precision of measurements in vivo of the virus and antibodies against it. J. Exp. M., 1946, **83**: 25–42. ——— Immunological evidence of latent infection with the virus in numerous mammalian species. Ibid., 43–64. ——— Hemagglutination by the virus; the occurrence of combination between the virus and a tissue substance. Ibid., 105–32. ——— Properties of pneumonia virus of mice (PVM) in relation to its state. Ibid., 1947, **85**: 39–53. ——— & **Pickels, E. G.** Centrifugation studies on pneumonia virus of mice (PVM) the relative sizes of free and combined virus. Ibid., 23–38.—**Horsfall, F. L.,** jr, & **Hahn, R. G.** A pneumonia virus of Swiss mice. Proc. Soc. Exp. Biol., N. Y., 1939, **40**: 684–6. ——— A latent virus in normal mice capable of producing pneumonia in its natural host. J. Exp. M., 1940, **71**: 391–408.—**Horsfall, F. L.,** jr, & **McCarty, M.** The modifying effects of certain substances of bacterial origin on the course of infection with pneumonia virus of mice. Ibid., 1947, **85**: 623–46. ——— The antagonistic effect of certain substances of bacterial origin on the course of infection with pneumonia virus of mice (PVM) Tr. Ass. Am. Physicians, 1947, **60**: 18–21.—**Karr, H. V.** Study of a latent pneumotropic virus of mice. J. Infect. Dis., 1943, **72**: 108–16.—**Loosli, C. G.** The pathogenesis and pathology of airborne mouse pneumonitis virus infection in mice; the effect of penicillin and sulfadiazine on the developing lesion. J. Clin. Invest., 1949, **28**: 1039.—**Mills, K. C., & Dochez, A. R.** Specific agglutination of murine erythrocytes by a pneumonitis virus in mice. Proc. Soc. Exp. Biol., N. Y., 1944, **57**: 140–3. ——— Further observations on red cell agglutinating agent present in lungs of virus-infected mice. Ibid., 1945, **60**: 141–3.—**Mirick, G. S., Leftwich, C. I.,** jr, & **Leftwich, W. B.** Effect of urethane on the susceptibility of mice to pneumonia virus of mice. J. Clin. Invest., 1949, **28**: 799.—**Moškovsky, Sh. D.** [Cytotropic agents of infections and the place of Rickettsia among Chlamydozoa] Usp. sovrem. biol., 1945, **19**: 1–44.—**Murray, M. E.,** jr. Atypical bronchopneumonia of unknown etiology; possibly due to a filterable virus. N. England J. M., 1940, **222**: 565–73.—**Nelson, J. B.** Studies on endemic pneumonia of the albino rat; the transmission of a communicable disease to mice from naturally infected rats. J. Exp. M., 1946, **84**: 7–14. ——— The nature of the causal agent in experimentally infected mice. Ibid., 15–23. ——— Carriage of the virus-like agent by young rats and in relation to susceptibility. Ibid., 1948, **87**: 11–9.—**Nigg, C.** An unidentified virus which produces pneumonia and systemic infection in mice. Science, 1942, **95**: 49. ——— & **Eaton, M. D.** Isolation from normal mice of a pneumotropic virus which forms elementary bodies. J. Exp. M., 1944, **79**: 497–510, pl.—**Ruska, H.** Ueber die Elementarkörper des Virus der Bronchopneumonie der Maus. Klin. Wschr., 1944, **23**: 121.—**Thomas, L., & Kolb, E. M.** Activation of latent mouse pneumonitis virus by human serum. Proc. Soc. Exp. Biol., N. Y., 1944, **55**: 1–4. Also Stud. Rockefeller Inst. M. Res., 1944, **126**: 385–8.—**Volkert, M., & Horsfall, F. L.,** jr. The effect of sulfhydryl groups on pneumonia virus of mice (PVM) J. Exp. M., 1947, **86**: 383–91. ——— Studies on a lung tissue component which combines with pneumonia virus of mice (PVM) Ibid., 393–407.—**Volkert, M., Pierce, C.** [et al.] The enhancing effect of concurrent infection with pneumotropic viruses on pulmonary tuberculosis in mice. Ibid., 203–14, 2 pl.—**Wiseman, R. W., Meiklejohn, G.** [et al.] Studies on the chemotherapy of viruses in the psittacosis-lymphogranuloma group; effect of penicillin and sulfadiazine on seven strains in mice. J. Immun., Balt., 1946, **54**: 9–16.

—— M. felis.

See also **Cat,** Disease; **Distemper.**

Baker, J. A. A virus obtained from a pneumonia of cats and its possible relation to the cause of atypical pneumonia in man. Science, 1942, **96**: 475. ——— A virus causing pneumonia in cats and producing elementary bodies. J. Exp. M., 1944, **79**: 159–72, pl.—**Blake, F. G., Howard, M. E., & Tatlock, H.** Feline virus pneumonia and its possible relation to some cases of primary atypical pneumonia in man. Yale J. Biol., 1942–43, **15**: 139–66, 3 pl.—**Cat** (A) disease and atypical pneumonia in man. North Am. Vet., 1943, **24**: 548–50.—**Hamre, D. M., & Rake, G.** Feline pneumonitis (Baker) a new member of the lympho-granuloma-psittacosis group of agents. J. Infect. Dis., 1944, **74**: 206–11. ——— & **Rake, H.** Morphological and other characteristics of the agent of feline pneumonitis grown in the allantoic cavity of the chick embryo. J. Exp. M., 1947, **86**: 1–6, 2 pl.—**Rake, G., Rake, H.** [et al.] Electron micrographs of the agent of feline pneumonitis (Baker) Proc. Soc. Exp. Biol., N. Y., 1946, **63**: 489–91.—**Thomas, L., Kolb, E. M.** Relationship of the virus of cat pneumonia (Baker) to the psittacosis-lymphogranuloma group of agents. Ibid., 1943, **54**: 172–4.

—— M. illinii.

Zichis, J., & Shaughnessy, H. J. Isolation of an apparently new virus from two fatal pneumonia cases. Science, 1945, **102**: 301. Also J. Bact., Balt., 1946, **51**: 616. ——— & **Lemke, C.** Isolation of psittacosislike viruses from Chicago pigeons. Ibidem., 616.

—— M. louisianae.

Fite, G. L., Larson, C. L., & Olson, B. J. An epidemic of a severe pneumonitis in the Bayou region of Louisiana; histopathology in laboratory animals. Pub. Health Rep., Wash., 1946, **61**: 1100–15.—**Olson, B. J., & Larson, C. L.** An epidemic of a severe pneumonitis in the bayou region of Louisiana. Ibid., 1944, **59**: 1373.

—— M. lymphogranulomatis.

See also **Lymphogranulomatosis inguinalis;** also in this volume, in the Military Section, under **Lymphogranuloma inguinale.**

Beeson, P. B., Wall, M. J., & Heyman, A. Isolation of virus of lymphogranuloma venereum from blood and spinal fluid of a human being. Proc. Soc. Exp. Biol., N. Y., 1946, **62**: 306. ——— The effect of sulfonamide therapy on the persistence of the virus of lymphogranuloma venereum in buboes. Am. J. Syph., 1947, **31**: 81–6. Also Proc. Am. Fed. Clin. Res., 1947, **3**: 31.—**Brumpt, E.** Rickettsia intracellulaire stomacale (Rickettsia culicis, n. sp.) de Culex fatigans. Ann. parasit., Par., 1938, **16**: 153–8.—**D'Ingazio, C., & Codeleoncini, E.** Sul reperto di Weil-Felix positive e sulle rickettsie ritrovate in pazienti affetti da malattia di Nicolas e Favre (forme acuta adenopatica inguino-iliaca) 6 luglio 1943–14 febbraio 1944. Boll. Soc. ital. med., 1945, **5**: 23–7.—**Findlay, G. M., Mackenzie, R. D., & MacCallum, F. O.** A morphological study of the virus of lymphogranuloma inguinale (climatic bubo) Tr. R. Soc. Trop. M. Hyg., Lond., 1938–39, **32**: 183–8, 2 pl.—**Hellendall, H.** Experimental transmission of lymphogranuloma venereum virus through the placenta. Am. J. Surg., 1945, **70**: 320–36.—**Isimitu, K.** Zikken-teki sokei-rinpa-nikuga-syusyō byōsō ni hakken-seru saihō keisitu-nai hūnyū-tai [The inclusion bodies developed in cytoplasm at the seat of infection of experimental lymphogranuloma inguinale] Zikken igaku zassi, 1937, **21**: 947–59.—**Lépine, P., & Sautter, V.** Comparaison de deux souches, l'une américaine, l'autre française, du virus de la lymphogranulomatose vénérienne. C. rend. Acad. sc., 1949, **228**: 1985–7.—**Levaditi, C.** Aetiologische und pathogene Studie über inguinale Lymphogranulomatose bzw. Nicolas und Favresche Krankheit. Forsch. & Fortsch., 1932, **8**: 142. ——— Association entre ultravirus; louping-ill et lymphogranulomatose inguinale. C. rend. Soc. biol., 1942, **136**: 656. ——— Relations entre les Rickettsia et les granulo-corps de Miyagawa; agent pathogène de la maladie de Nicolas-Favre. Bull. méd., Par., 1943, **57**: 75. ——— Cycle évolutif du virus lympho-granulomateux. C. rend. Soc. biol., 1944, **138**: 4. ——— Quand et comment débutent et évoluent les altérations et les granulocorps de Miyagawa chez les souris inoculées avec le virus lymphogranulomateux? Ibid., 505. ——— & **Noury, H.** Action du rayonnement α du radon sur le virus lymphogranulomateux. Ibid., 185–6. ——— Association entre le virus lymphogranulomateux et le virus récurrentiel (Sp. duttoni) Ibid., 329. ——— Association entre ultravirus; maladie de Theiler et lymphogranulomatose inguinale. Ibid., 444.—**Levaditi, J. C., Lépine, P.** [et al.] Variante de la méthode de Macchiavello applicable à la microscopie en fluorescence; virus de la maladie de Nicolas et Favre. Ann. Inst. Pasteur, Par., 1948, **75**: 281–3.—**Malfatti, G.** Stomatite ed angina linfogranulomatosa da virus di Nicolas e Favre. Otorinolar. ital., 1948, **17**: 63–74.—**Schmidt-La Baume, F., & Vollmar, H.** Zur Erregerfrage des Lymphogranuloma inguinale. Derm. Wschr., 1940, **110**: 433–6.

—— M. ornithosis.

See also **Meningopneumonitis;** also in this volume, in the Military Section under **Ornithosis.**

Davis, D. J. Susceptibility of the English sparrow (Passer domesticus) to infection with psittacosis virus of pigeon origin. Proc. Soc. Exp. Biol., N. Y., 1947, **66**: 77–9. ——— & **Ewing, C. L.** Recovery of ornithosis virus from pigeons in Baltimore, Maryland. Pub. Health Rep., Wash., 1947, **62**: 1484–8.—**Francis, T.,** jr, & **Magill, T. P.** An unidentified virus producing acute meningitis and pneumonitis in experimental animals. J. Exp. M., 1938, **68**: 147–60, 2pl.—**Levinson, D. C., Gibbs, J., & Beardwood, J. T.,** jr. Ornithosis as a cause of sporadic atypical pneumonia. J. Am. M. Ass., 1944, **126**: 1079–84.—**Pinkerton, H., & Swank, R. L.** Recovery of virus morphologically identical with psittacosis from thiamin-deficient pigeons. Proc. Soc. Exp. Biol., N. Y., 1940, **45**: 704–6.—**Pollard, M., Caplovitz, C. D., & Swausch, C. D.** The identification of an ornithosis virus from the willet. Texas Rep. Biol. M., 1947, **5**: 337–40.—**Schuff, B., Vilches, A. M.**

& **Parodi, A. S.** Un caso de neumonía atípica producido por un virus del tipo ornitosis. Medicina, B. Air., 1944–45, **5**: 64–6.—**Thomson, A. P.** Psittacosis virus in English pigeons. Lancet, Lond., 1943, **1**: 384.—**Winsser, J.** Isolation of ornithosis virus from pigeons in the Netherlands. Antonie van Leeuwenhoek, Amst., 1949, **15**: 86–90. ——— **Dekking, F., & Stol, H. J.** Isolatie van ornithosisvirus uit duiven in Nederland. Tschr. diergeneesk., 1949, **74**: 423–35.

—— M. pneumoniae.

See also in this volume, in the Military Section under **Pneumonia**, Virus pneumonia.

Acute pneumonitis virus. J. Am. M. Ass., 1941, **116**: 1222.—**Eaton, M. D.** Virus pneumonia; etiological studies. California West. M., 1943, **59**: 160–2. ——— Serological differentiation of primary atypical pneumonia from virus pneumonia of the psittacosis group. Proc. Soc. Exp. Biol., 1945, **60**: 231–5. ——— The action of aureomycin on the virus of atypical pneumonia in chick embryos and cotton rats. J. Clin. Invest., 1949, **28**: 1049. ——— **& Beck, M. D.** Identification of 2 strains of virus isolated from cases of atypical pneumonia. J. Infect. Dis., 1942, **71**: 97–101. ——— **& Pearson, H. E.** A virus from cases of atypical pneumonia; relation to the viruses of meningopneumonitis and psittacosis. J. Exp. M., 1941, **73**: 641–54, pl. **Eaton, M. D. & Corey, M.** Complement-fixation in human pneumonitis with group-reactive virus antigens. Proc. Soc. Exp. Biol., N. Y., 1942, **51**: 165–8.—**Eaton, M. D., & Van Herick, W.** The virus neutralization test in primary atypical pneumonia and other acute respiratory diseases. J. Bact., Balt., 1946, **51**: 613. ——— Experimental immunization with the virus from primary atypical pneumonia. J. Infect. Dis., 1947, **81**: 116–21.—**Eaton, M. D., Meiklejohn, G.** [et al.] An infectious agent from cases of atypical pneumonia apparently transmissible to cotton rats. Science, 1942, **96**: 518. ——— Studies on the etiology of primary atypical pneumonia; properties of the virus isolated and propagated in chick embryos. J. Exp. M., 1945, **82**: 317–28.—**Eaton, M. D., Meiklejohn, G., & Van Herick, W.** A filterable agent transmissible to cotton rats, hamsters, and chick embryos. Ibid., 1944, **79**: 649–68, 2 pl. ——— A clinical report on cases of primary atypical pneumonia caused by a new virus. J. Clin. Invest., 1945, **24**: 241–50. ——— Specific neutralization of the virus by human serum. J. Exp. M., 1945, **82**: 329–42.—**Experimental** (An) attempt to transmit primary atypical pneumonia in human volunteers; Commission on Acute Respiratory Diseases. J. Clin. Invest., 1945, **24**: 175–88.—**Fiorini, A.** Descripción de un virus aislado a partir de un enfermo de neumonía atípica primitiva, virus Et.; earácteres generales. Rev. Inst. bact. Malbrán, B. Air., 1949, **14**: 320–4, 2 pl.—**Francis, T., jr.** Virusarten des Respirationstraktes. Arch. Kinderh., 1947–48, **134**: 230.—**Gross, W.** Erwägungen zur Isolierung eines Virus vom Menschen auf die Lunge der Maus. Zbl. Bakt., 1942, **149**: 396–9.—**Herzberg, K.** Isolierung und Identifizierung eines zweiten Stammes von epidemischer Bronchopneumonie (Viruspneumonie) des Menschen. Deut. Gesundhwes., 1946, **1**: 137–40.—**Horsfall, F. L., jr, Curnen, E. C.** [et al.] A virus recovered from patients with primary atypical pneumonia. Science, 1943, **97**: 289–91.—**Imhäuser, K.** Untersuchungen über den Erreger der Viruspneumonie. Klin. Wschr., 1948, **26**: 337–9.—**Kikuth, W.** Zur Frage der Aetiologie der atypischen Pneumonie. Deut. med. Rdsch., 1947, **1**: 448. Also Klin. Wschr., 1948, **26**: 253.—**Pigeons** and virus pneumonia. Week. Rep. Div. Commun. Dis. Illinois Dep. Pub. Health, 1946, No. 18, 1.—**Rose, H. M., & Molloy, E.** Observations concerning the etiology of primary atypical pneumonia. Science, 1943, **98**: 112–4.—**Stickney, J. M., & Heilman, F. R.** The isolation of a virus in atypical pneumonia. Proc. Mayo Clin., 1942, **17**: 369–75.—**Transmission** (The) of primary atypical pneumonia to human volunteers: experimental methods; results of inoculation; clinical features; laboratory studies. Bull. Johns Hopkins Hosp., 1946, **79**: 97–167.—**Vance, D. H., Scott, T., & Mason, H. C.** Inability to pass primary atypical pneumonia to human volunteers. Science, 1943, **98**: 412.—**Virus** (The) of the so-called virus pneumonias. N. England J. M., 1943, **228**: 729–31.—**Weir, J. M., & Horsfall, F. L.,** jr. The recovery from patients with acute pneumonitis of a virus causing pneumonia in the mongoose. J. Exp. M., 1940, **72**: 595–610.

—— M. psittacii.

LILLIE, R. D. The pathology of psittacosis in man and the pathology of psittacosis in animals and the distribution of Rickettsia psittaci in the tissues of man and animals. 68p. 8° Wash., D. C., 1933.

Forms: Bull. No. 161 of U. S. Pub. Health Ser. Nat. Inst. Health.

Armstrong, C., McCoy, G. W., & Branham, S. E. Filterability of the infective agent of psittacosis in birds. Pub. Health Rep., Wash., 1930, **45**: 725.—**Barwell, C. F.** Antigenic components of psittacosis virus. Nature, Lond., 1948, **162**: 460.—**Bedson, S. P.** The nature of the elementary bodies in psittacosis. Brit. J. Exp. Path., 1932, **13**: 65–72, pl. ——— Immunological studies with the virus of psittacosis. Ibid., 1933, **14**: 162–70. ——— Observations on the developmental forms of psittacosis virus. Ibid., 267–77. ——— Observations bearing on the antigenic composition of psittacosis virus. Ibid., 1936, **17**: 109–21. ——— A study of experimental immunity to the virus of psittacosis in the mouse, with special reference to persistence of infection. Ibid., 1938, **19**: 353–66. ——— **& Bland, J. O. W.** The developmental forms of psittacosis virus. Ibid., 1934, **15**: 243–7.—**Bedson, S. P., & Western, G. T.** Observations on the virus of psittacosis. Ibid., 1930–31, **11**: 502–11. ——— **& Simpson, S. L.** Observations on the ætiology of psittacosis. Lancet, Lond., 1930, **1**: 235. ——— Further observations on the ætiology of psittacosis. Ibid., 345.—**Bland, J. O. W., & Canti, R. G.** The growth and development of psittacosis virus in tissue cultures. J. Path. Bact., Cambr., 1935, **40**: 231–41, 3 pl.—**Branham, S. E., & McCoy, G. W.** Bacillus psittacosis Nocard, 1893; failure to find it in the 1929–30 epidemic in the United States. Pub. Health Rep., Wash., 1930, **45**: 2153–60.—**Bruni, A.** L'agente etiologico della psittacosi. Gior. batt. immun., 1939, **22**: 832–40.—**Burney, T. E., & Golub, O. J.** The effect of certain enzyme inhibitors on the activity and growth of psittacosis virus. Fed. Proc., Balt., 1948, **7**: 302. Also J. Immun., Balt., 1948, **60**: 213–21.—**Chialvo, R. J., & Parodi, A. S.** Contribución al estudio de la psitacosis; empleo de la via intranasal para aislar virus a partir de gárgaras y de esputo. Rev. Inst. bact. Malbrán, B. Air., 1943–44, **12**: 337–46.—**Coles, A. C.** Microorganisms in psittacosis. Lancet, Lond., 1930, **1**: 1011.—**Cox, H. R.** Psitacosis, ornitosis y virus afines (transl.) Rev. san. Madr., 1948, **22**: 229–53.—**David, H.** Ueber Versuche mit dem Bact. psittacosis Nocard bei Wellensittichen. Wien. tierärztl. Mschr., 1931, **18**: 33–45.—**Davis, D. J., & Vogel, J. E.** Recovery of psittacosis virus from chicks hatched from inoculated eggs. Proc. Soc. Exp. Biol., N. Y., 1949, **70**: 585–7.—**De Burgh, P., Jackson, A. V., & Williams, S. E.** Spontaneous infection of laboratory mice with a psittacosis-like organism. Austral. J. Exp. Biol., 1945, **23**: 107–10.—**DeGara, P. F., & Furth, J.** Pneumonia produced by a meningopneumotropic virus; report of a fatal case, with observations on the interrelationship of psittacosis-like viruses. Arch. Path., Chic., 1948, **45**: 474–93.—**Development** forms of psittacosis virus. J. Trop. M. & Hyg., Lond., 1933, **36**: 242–4.—**Doerr, R.** Psittacosevirus. In his Antigene, Wien, 1948, 302–5.—**Early, R. L., & Morgan, H. R.** The chemotherapy of experimental psittacosis infection (strain 6BC) J. Bact., Balt., 1946, **51**: 618. ——— Studies on the chemotherapy of viruses in the psittacosis-lymphogranuloma venereum group; effect of certain chemotherapeutic agents on the growth of psittacosis virus (6BC) strain in tissues, cultures and eggs. J. Immun., Balt., 1946, **53**: 151–6. ——— Effect of certain chemotherapeutic agents on psittacosis virus (6BC strain) infections in mice. Ibid., 251–7.—**Elkeles, G.** Zur Aetiologie der Psittakosis. Deut. med. Wschr., 1930, **56**: 619.—**Francis, R. D., Milzer, A., & Gordon, F. B.** Immunization of mice against viruses of the psittacosis group with ultraviolet-inactivated vaccines. Proc. Soc. Exp. Biol., N. Y., 1947, **66**: 184–6.—**Gerlach, F.** Menschen als Psittakosevirusträger nach stummer Infektion mit Psittakosevirus. Zschr. Hyg., 1936, **118**: 709–23.—**Golub, O. J.** Acquired resistance of psittacosis virus to sulfadiazine and effects of chemical antagonists on sulfonamide activity. J. Laborat. Clin. M., 1948, **33**: 1241–8.—**Gordon, M. H.** Virus studies concerning the aetiology of psittacosis. Lancet, Lond., 1930, **1**: 1174–7.—**Haagen, E., & Crodel, B.** Die Züchtung des Psittakosevirus. Zbl. Bakt., 1. Abt., 1936, **138**: 20–7.—**Haagen, E., & Mauer, G.** Ueber eine auf den Menschen übertragbare Viruskrankheit bei Sturmvögeln und ihre Beziehung zur Psittakose. Deut. med. Wschr., 1939, **65**: 13–5.—**Heilman, F. R.** The virus of psittacosis. Proc. Mayo Clin., 1940, **15**: 662–4.—**Heinmets, F., & Golub, O. J.** Observations on the growth of psittacosis virus in chorioallantoic membranes by electron microscope. J. Bact., Balt., 1948, **56**: 509–25.—**Kauffmann, F.** Zur Bakteriologie der Psittakose. Zschr. Hyg., 1932–33, **114**: 112–5.—**Lazarus, A. S., & Meyer, K. F.** The virus of psittacosis; propagation and developmental cycle in the egg membranc, purification and concentration. J. Bact., Balt., 1939, **38**: 121–31. ——— Centrifugation, filtration and measurement of particle size. Ibid., 153–69. ——— Serological investigations. Ibid., 171–98. ——— **& Eddie, B.** Ultrafiltration of psittacosis virus. Proc. Soc. Exp. Biol., N. Y., 1937–38, **36**: 437.—**Levinthal, W.** Die Aetiologie der Psittakosis. Congr. internat. microb. (1930) 1931, 1. Congr., 523–5.—**Lewis, C. J.** Note on the bacillus psittacosis. Birmingham M. Rev., 1930, **5**: 424–9.—**Lillie, R. D.** Psittacosis: Rickettsia-like inclusions in man and in experimental animals. Pub. Health Rep., Wash., 1930, **45**: 773–8.—**Loizaga, N. S., & Averbach, S.** Contribución clínica al estudio de la psitacosis (brote epidémico generado por un virus particular) Rev. Inst. bact. Malbrán, B. Air., 1943–44, **12**: 332–6.—**MacCallum, F. O.** The necessity of living cells for the cultivation of psittacosis virus. Brit. J. Exp. Path., 1936, **17**: 472–81.—**Meyer, K. F., Eddie, B., & Foster, L.** Cytology of psittacosis virus in the sparrow (Zonotrichia) Proc. Soc. Exp. Biol., N. Y., 1934–35, **32**: 1656–8.—**Meyer, K. F., Eddie, B., & Yanamura, H.** Active immunization to the Microbacterium multiforme psittacosis in parakeets and ricebirds. J. Immun., Balt., 1942, **44**: 211–7.—**Morgan, H. R.** Studies on the relationship of pteroylglutamic acid to the growth of psittacosis virus, strain 6BC. J. Exp. M., 1948, **88**: 285–94. ——— Antagonism of sulfadiazine inhibition of psittacosis virus by p-aminobenzoic and pteroylglutamic acids. Proc. Soc. Exp. Biol., N. Y., 1948, **67**: 29. ——— **& Wiseman, R. W.** Growth of psittacosis virus in roller tube tissue culture; use in a vaccine. J. Infect. Dis., 1946, **79**: 131–3. ——— Use of bacteriostatic agents in preparation of seed cultures of

psittacosis virus. Proc. Soc. Exp. Biol., N. Y., 1946, **62**: 130.—**Negri, T., Rovere, R. J.,** & **Viglioglia, J.** Posibilidad de error en el diagnóstico bacteriológico de la psitacosis. Sem. méd., B. Air., 1940, **47**: pt 2, 789–804.—**Peeters, H.** [Observations on the etiology of psittacosis] Ned. tschr. geneesk., 1930, **74**: pt 1, 1506–9.—**Pesch, K. L.** Ueber den Erreger der Psittakosis. Münch. med. Wschr., 1930, **77**: 484. ——— & **Siegmund, H.** Untersuchungen über den Erreger der Psittakosis. Arch. Hyg., Münch., 1930, **105**: 1–14.—**Reineck & Hofmann, P.** Bakteriologische Befunde bei Psittakosis. Deut. med. Wschr., 1930, **56**: 516.—**Rivers, T. M.** Filterable viruses with particular reference to psittacosis. Harvey Lect., Balt., 1933–34, **29**: 220–44, 7 pl.—**Rosebury, T., Meiklejohn, G.** [et al.] Disinfection of clouds of meningopneumonitis and psittacosis viruses with triethylene glycol vapor. J. Exp. M., 1947, **85**: 65–76. ——— A laboratory infection with psittacosis virus treated with penicillin and sulfadiazine, and experimental data bearing on the mode of infection. J. Infect. Dis., 1947, **80**: 64–77.—**Rudd, G. V.,** & **Burnet, F. M.** Intranasal infection of mice with the virus of psittacosis. Austral. J. Exp. Biol., 1941, **19**: 33–8.—**Sordelli, A.,** & **Savino, E.** El aislamiento del virus de la psitacosis y la fijación del complementos con el suero de los enfermos. Rev. Inst. bact. Dep. nac. hig., B. Air., 1939–40, **9**: 448–53.—**Sordelli, A., & Zuccarini, J. A.** Técnica para el aislamiento del virus de la psitacosis. Bol. Acad. nac. med. B. Aires, 1939, 589–99. Also Rev. Inst. bact. Dep. nac. hig., B. Air., 1939–40, **9**: 99–107, pl.—**Süpfle, K.,** & **Hofmann, P.** Ueber den Dresdner Bakterienstamm bei Psittakosis. Deut. med. Wschr., 1931, **57**: 1107. ——— Zur Bakteriologie der Psittakose. Zschr. Hyg., 1932–33, **114**: 602–4.—**Thomson, A. P.,** & **Hillier, W. T.** Psittacosis; a further account of cases of human infection; with bacteriological reports. Proc. R. Soc. M., Lond., 1929–30, **23**: Sect. Med., 49–64.—**Tornack, J. H.** The demonstration of psittacosis virus in histological preparations and the occurrence of inclusion bodies in mononuclear cells of the spleen and liver of infected budgerigars. Bull. Hyg., Lond., 1942, **17**: 65 (Abstr.)—**Tremain, A. R.** Some aspects of psittacosis and the isolation of the virus. Med. J. Australia, 1938, **2**: 417–21, pl.—**Utz, J. P.** Effect in vitro of specific lipid fractions of animal sera on psittacosis virus. Proc. Soc. Exp. Biol., N. Y., 1948, **69**: 186–9.—**Vervoort, H.** [Investigation on psittacosis virus] Ned. tschr. geneesk., 1939, **83**: 3402.—**Victor, J.,** & **Wagner, J. C.** Intradermal vaccination with infectious psittacosis virus; pathological changes. Fed. Proc., Balt., 1949, **8**: 373. ——— Virus distribution. Ibid., 374.—**Wagner, J. C., Golub, O. J.,** & **Andrew, V. W.** Purification of psittacosis virus by alcohol precipitation and centrifugation. Proc. Soc. Exp. Biol., N. Y., 1948, **69**: 202–6.—**Wagner, J. C., Meiklejohn, G.** [et al.] Psittacosis vaccines prepared from chick embryo tissues. J. Bact., Balt., 1946, **51**: 622.—**Williams, S. E.** The growth of psittacosis virus in the allantoic cavity of the developing egg. Austral. J. Exp. Biol., 1944, **22**: 205–8.—**Yanamura, H. Y.,** & **Meyer, K. F.** Studies on the virus of psittacosis cultivated in vitro. J. Infect. Dis., 1941, **68**: 1–15. ——— Active immunity to the Microbacterium multiforme psittacosis in the mouse. J. Immun., Balt., 1942, **44**: 195–209.—**Zuccarini, J. A.** El virus causal de la psitacosis en la República Argentina. Rev. Inst. bact. Dep. nac. hig., B. Air., 1939, **9**: 216–8.

MIYAGI, Yōtyū. Rinpa-ryū ni oyobosu rinpa-kessetu no tekisyutu mata-wa tairyō re-sen syō-sya no eikyō ni tuite. p.767–823. pl. tab. diagr. ch. 24½cm. Nagasaki, 1941.
Nagasaki igakkai zassi, 1941, **19**:

MIYAHARA, Akira. Ransō-en ni kan-suru kenkyū; ransō-en no rinsyō-teki narabi-ni byōri-sosikigaku-teki kenkyū. p.2693–759. pl. tab. 25½cm. Tōkyō, 1932.
Keio igaku, 1932, **12**:

MIYAHARA, Hatuo. Malaria ni kan-suru rinsyō-teki kenkyū [174]p. tab. 26cm. Taihoku, 1936.
Taiwan igakkai zassi, 1936, **35**: 1128; passim.

MIYAHARA, Mitiaki. Nyōkan-rōkō-keiseizin ni tai-suru·kō-roentgen-sen sayō no kinōgaku-teki kenkyū. p.27–91. illust. tab. 26cm. Tokyo, 1937.
Mitt. Jap. Ges. Gyn., 1937, **32**:

——— Seizyō-zin ni tai-suru kō-roentgen-sen sayō. p.337–97. illust. tab. 26cm. Tokyo, 1937.
Mitt. Jap. Ges. Gyn., 1937, **32**:

MIYAIRI, Keinosuke [Kisei gentyū kenkyū no siori. 2. han.] p. l., 2, 3, 128, 7p. illust. 22½cm. Tokyo, Nanzandō syoten, 1937.
For biography see Jap. M. J. (w.) 1949, 327 (Ohhira, T.)

MIYAKE, Gonsai, 1817–68.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6**: 117, portr.
For portrait see Honzo, Tokyo, 1934, before p.749.

MIYAKE, Hayasi, 1867–
For biography see in Sinsen dai zinmei ziten, Tokyo, 1942, **7**: 509. Also Tokyo izi sinsi, 1948, **65**: 39 (Ohno, R.)

MIYAKE, Hide, 1863–1938.
For biography see Jap. M. J. (w.) 1948, 1421 (Satō, M.)

MIYAKE, Hirosi. Röntgenologisches Studium über die Beckenknochen bei angeborener Verrenkung des Hüftgelenkes. p.355–469. illust. pl. tab. diagr. 26cm. Kyōto, 1934.
Arch. jap. Chir., 1934, **11**:

MIYAKE, Koichi, 1876–
For Festschrift see Psychiat. neur. jap., 1937, **41**: H. 8, portr.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1942, **7**: 508.
For portrait see Rinsyō no Nippon, 1936, **4**: 1191.

MIYAKE, Mamoru. Ryūketu kekkaku-kin to bunpi oyobi haisetu kiten [86]p. pl. tab. 25cm. Osaka, 1932–33.
Mitt. Med. Ges. Osaka, 1932, **31**: 3821; 1933, **32**: 1219.

MIYAKE keratoderma.

See **Keratoderma,** essential, of adults: Palmoplantar progressive type.

MIYAMA, Kōiti. Kato nikusyu no hatuiku to kessei hyōmen tyōryoku to no kankei ni tuite. p.558–613. tab. ch. 26cm. Tōkyō, 1934.
Sei i kwai M. J., 1934, **53**:

MIYAMOTO, Masazi. Kyū-sei tyūyōtokkien no seiin narabi-ni syoki byōhen ni kan-suru kenkyū [88]p. pl. tab. 26cm. Taihoku, 1937.
Taiwan igakkai zassi, 1937, **36**: 1851; 2025.

MIYAMOTO, Saiti. Ka-isyoku-sei Nanking-so-syuyō kanzyusei no iden ni kan-suru zikkenteki kenkyū; Taiwan-kei Nanking-so-nikusyu wo motiite okonaitaru seiseki ni tuite [86]p. pl. tab. 25cm. Taihoku, 1934.
Taiwan igakkai zassi, 1934, **33**: 1259; 1467.
For obituary see Jap. J. Vet. Sc., 1944, **6**: 139, portr.

MIYAMOTO, Yosi, 1866 [?]–1919.
For biography see Jap. M. J. (w.) 1948, 545 (Murayama, T.)

MIYAMOTO, Yositane. Kato ketueki-zō narabi-ni syo-zōki ni oyobosu Benzol-yūdōtai no eikyō ni tuite. p.1805–935. pl. tab. 26cm. Nagasaki, 1937.
Nagasaki igakkai zassi, 1937, **15**:

MIYAMOTO-INAGAKI phenomenon.

See **Malnutrition.**

MIYANAGA, Kazuyosi. Catalase no saikin hatuiku sokusin gensyō ni tuite [68]p. tab. 25cm. Tōkyō, 1929.
Nissin igaku, 1929, **18**: 1970; 2155.

MIYAR, Rafael L. [M. D., 1919, La Habana] Conferencia sobra la higiene post-natal. p.117–73. 23½cm. La Habana, 1941.
In: Conf. san. comadronas (Huguet y López, L.) Habana, 1941.

MIYARA, Salomon.
See **Mazza, S., Basso, G.** [et al.] Investigaciones sobre enfermedad de Chagas. 143p. 27cm. B. Air., 1943. Also **Mazza, S., Miyara, S.** [et al.] Investigaciones sobre la enfermedad de Chagas. 30p. 27cm. B. Air., 1935. ——— Esquizotripanides, 3. Nota. 22p. 27cm. B. Air., 1941. ——— Primer quinquenio de la investigación por la M. E. P. R. A. 36p. 26cm Mendoza, 1941. Also **Mazza, S., Miyara, S.,** & **Jörg, M. E.** Investigaciones sobre enfermedad de Chagas. 80p. 27cm. B. Air., 1944. Also 152p. 1945.

MIYARA, Salomon, MARTINEZ LEANES, Horacio, & **FUNES, Pedro Eloy.** Investigaciones sobre espiroquetosis icterohemorrágica; los dos primeros casos de espiroquetosis icterohemorrágica observados en la Provincia de Mendoza. 22p. tab. ch. 27cm. B. Air., Impr. Univ., 1935.
Forms No. 23, Pub. Misión estud. pat. reg. Jujuy.

MIYASITA, Kiminaka. Marmot ni okeru zikken-teki kurubyō no kotu-henka ni tuite. p.242–310. pl. tab. 26cm. Tōkyō, 1935.
Sei i kai M. J., 1936, **55:**

MIYATA, Gonnozyō. Klinisches-Recept-Taschenbuch. 5. Aufl. v.p. [601]p. 15cm. Tokyo, Nankōdō, 1917.
Text in German and Japanese.

MIYATA, Hitosi. Kekkaku ni okeru zenkansen oyobi go-kansen no sōgo-teki eikyō ni tuite; kaibei oyobi kato gan-kōsai kekkaku ni tuite no zikken-teki kenkyū. p.5149–204. pl. tab. 25½cm. Osaka, 1933.
Mitt. Med. Ges. Osaka, 1933, **32:**

MIYATA, Kazuo. Syosyu no nyūzyū oyobi sono tanpaku syo-seibun ni yoru kabin-sei gensyō no kenkyū. p.684–750. tab. ch. 25½cm. Tōkyō, 1941.
Sei i kai zassi, 1941, **60:**

MIYATA, Keizō. Honyū dōbutu taizi gansosiki no hatuiku-bunka to seitai sikiso sessyu narabi-ni sosiki-kyū bunpu ni kan-suru keitōteki kenkyū. p.3899–956. pl. tab. 25½cm. Osaka, 1933.
Mitt. Med. Ges. Osaka, 1933, **32:**

MIYATA, Nobuo. Chinin oyobi sono yūdōtai no gasu-taisya ni oyobosu eikyō ni tuite no hikaku kansatu. p.161–214. tab. ch. 26cm. Tōkyō, 1937.
Mitt. Med. Ges. Tokyo, 1937, **51:** Suppl.

MIYATA, Otosaburō. Finsen-Lomholt Lampe narabi-ni sigai-sen zensin-yoku heiyō-ryōhō ni yoru hihu kekkaku-syō oyobi kōhan-sei rōsō no tiryō ni tuite [116]p. pl. tab. 25cm. Nagoya, 1941.
Nagoya igakkai zassi, 1940, **52:** 759; 1941, **53:** 543; 685.

MIYATA, Sakae. Kato hai-kekkaku-syō no byōri-sosikigaku-teki kenkyū (hai-zokuryū-kekkaku-syō tiken hoi) [51]p. pl. tab. 25½cm. Kanazawa, 1931–33.
Zyuzenkai zassi, 1931, **36:** 1239; 1933, **38:** 1037.

—— Kekkaku-syō ni okeru naibunpi-sen no byōri-kaibō-gaku-teki oyobi sosikigaku-teki kenkyū; hukuzin no henka ni tukite. p.2621–71. pl. tab. 25½cm. Kanazawa, 1931.
Zyuzenkai zassi, 1931, **36:**

MIYAUTI, Kin-itirō.
Translator of **Bardenheuer, B., & Grässner, R.** Kossetu-ryōhō. [64]p. 25½cm. Sendai, 1911.

MIYAZAKI, Issei. Hokuriku Nippon-zin, Kinai Nippon-zin zugai no zinruigaku-teki hikaku kenkyū. p.536–99; 711–96. tab. ch. 25½cm. Kanazawa, 1944.
Zyuzenkai zassi, 1944, **49:**

MIYAZAKI, Matuki. Rokunankotu-geka no kaibōgaku-teki, byōrigaku-teki oyobi rinsyōgaku-teki kenkyū. p.424–584. illust. pl. tab. diagr. 26cm. Kyōto, 1932.
Arch. jap. Chir., 1932, **9:**

MIYAZAKI, Sigeru. Ensyō-zi byōsō-bu sosiki no kansyō sensyoku-eki ni yoru sensyoku zyōkyō ni tuite. p.3955–4011. tab. diagr. ch. 25½cm. Kanazawa, 1941.
Zyuzenkai zassi, 1941, **46:**

MIYAZAKI, Undai, 1738–1810.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1940, **6:** 128.

MIYAZAKI, Yosio. Daekisen no naibunpi ni tuite; daekisen yusyutukan kessatu zikken. p.1814–71. pl. tab. ch. 25½cm. Tōkyō, 1933.
Mitt. Med. Ges. Tokyo, 1933, **47:**

MIYAZAKI, Japan.

See also **Japan.**

Isibasi, M., Sakamoto, A., & Hidaka, S. Iwayuru Hyūganetu no rinsyō-teki kansatu [Clinical observations on the so-called Hyūga-fever] Zitti ika to rinsyō, 1933, **10:** 38–52.

MIYAZAWA, Katu, –1939.
For obituary see Gun idan zassi, 1940, No. 323, 467, portr.

MIYAZAWA, Minoru. Iwayuru sinkō-sei sisyō-kakuhi-syō ni tuite. p.858–924. illust. pl. tab. diagr. ch. 26cm. Niigata, 1943.
Hokuetu igakkai zassi, 1943, **58:**

MIYAZIMA, Mikinosuke, 1872– Teacher and pupil. 44p. pl. portr. 8° Tokyo, n. p., 1935.
Kitazima, T., & Miyazima, M. Miyazima Hakase koki kizō sōtei kai no zi [Addresses at the ceremony of the presentation of the bust of Dr. Mikinosuke Miyazima to Keiō University on the occasion of his 70th birthday] Rinsyo keirin, 1941, **3:** 177–98, portr.
For biography see in Sinsen dai zinmei ziten, Tokyo, 1942, **7:** 510.

MIYAZIMA, Yasusi. Suigan byōsō-bu kakusyu biseibutu ni kan-suru kenkyū [134]p. pl. tab. ch. 25cm. Tōkyō, 1929.
Nissin igaku, 1929, **19:** 302; 436; 553.

MIYOSI, Ekirai.
For portrait see Gun idan zassi, 1938, No. 300, 453.

MIYOSI, Kiiti. Kessei no syuzoku tokuisei ni kan-suru kenkyū; tyōrui kessei ni yoru zikken [68]p. tab. 26cm. Kyōto, 1930.
Jap. Zschr. Mikrob., 1930, **24:** 1055; 1153.

MIYOSI, Manabu, 1861–1939.
For obituary see Chron. Bot., 1940–41, **6:** 19, portr. (Ogura, Y.)

MIYOSI, Motoo, –1941.
For obituary see Okayama igakkai zassi, 1941, **53:** 899.

MIZAULD, Antoine, 1510[?]–78.

—— Aesculapii et Uraniae medicum simul et astronomicum ex colloquio coniugium. 106p. 8° Lyon, Detournes, 1550.

—— [The same] Harmonia celestium corporum et humanorum. 60 l. 8° Par., J. Kerner, 1555.

—— Planetologia, rebus astronomicis, medicis et philosophicis erudite referta. 4 p. l. 97p.; p. 19cm. (text) Lyon, Macé Bonhomme, 1551.

—— Satyrica De *μυδουρανοι*; hoc est, De rerum coeli osoribus. p.68–77. 19cm. (text) Lyon, M. Bonhomme, 1551.
In his Planetologia, Lyon, 1551.

—— Secrets de la lune; opuscule non moins plaisant que utile, sur le particulier consent, & manifeste accord de plusieurs choses du monde, avec la lune: comme du soleil, du sexe feminin, de certaines bestes, oyseaux, poissons, pierres, herbes, arbres, malades, maladies, & autres de grande admiration & singularité. 8 p. l., 24 l. 15½cm. Par., F. Morel, 1571.
Pages numbered on recto only.

—— Artificia perpulchra componendorum vinorum, quae diversis morbis blande ac incunde succurrant: cum prisco ac recenti quorundam catalogo, et auxiliis. l. 19–39. 15cm. Lyon, 1575.
In his Artificiosa methodus, &c., Lyon, 1575.

—— Artificiosa methodus comparandorum hortensium fructuum, olerum, radicum, uvarum, vinorum, carnium & iusculorum, quae corpus clementer purgent, & variis morbis, absque ulla noxa & nausea, blande succurrant. 8 p. l., 39 l. 15cm. Lyon, F. Morelli, 1575.
Pages numbered on recto only.
For biography see in Malati (Benedicenti, A.) Milano, 1924, **1:** 689.

MIZDA.

See also **Libya.**

Assini, G. La medicina degli indigeni di Mizda. Rass. ter. pat. clin., 1933, **5**: 145–51.

MIZELLE, John Dary, 1905– Comparative studies on trematodes (Gyrodactyloidea) from the gills of North American fresh-water fishes. 81p. pl. 8° Urbana, Univ. Illinois Pr., 1938.

Forms No. 1, v.17, Illinois Biol. Monogr.

MIZOKAMI, Miho. Seizyō-zi oyobi kiga-zi nyō-tyū Aceton-tai ni oyobosu naibunpi no eikyō. p.296–330. tab. ch. 22½cm. Kyōto, 1928.

Fol. endocr. jap., 1928–29, **4**: .

MIZONKEWICH, Karl Aloys, 1790–1829.

For biography see in Aerzte Estlands (Brennsohn, I.) Riga, 1922, 277.

MIZRAHI, Aharon, 1912– *L'anasarque au cours de l'ictère catarrhal. 43p. 8° Par., Picart, 1936.

MIZU, Midori. Kato ransō ōtai oyobi kansitu saihō sosiki ni tuite. p.343–99. pl. 25½cm. Kanazawa, 1930.

Zyuzenkai zassi, 1930, **35**:

MIZUMATI, Siro. Rōzin kakusyu undō sensyu oyobi mahi kanzya no kenkō-bu re-sen-zō, toku-ni iwayuru sankaku-kin tokki-bu tōmei-zō ni tuite [72]p. illust. pl. tab. diagr. ch. 25cm. Tokyo, 1936.

Nippon seikeigeka gakkai zassi, 1936–37, **11**: 1; 269.

MIZUNO, Minokiti. Seitai narabi-ni sin-sanzi ketueki ni kan-suru keitaigaku-teki narabi-ni seibutugaku-teki kenkyū [145]p. tab. diagr. 26cm. Tokyo, 1939.

Mitt. Jap. Ges. Gyn., 1939, **34**: 827; 971.

MIZUNO, Mituo. Si-sei gankyū-sintō ni kan-suru zikken-teki kenkyū; sūryō-teki kansatu [71]p. pl. tab. ch. 25½cm. Kanazawa, 1936.

Zyuzenkai zassi, 1936, **41**: 1032; 1586.

MIZUNO, Sigemitu.

For portrait see Dōzin igaku, 1936, **9**: 970.

MIZUNUMA, Mitikatu. Tennen kōsen no tokui seibutugaku-teki sayō ni tuite. p.1341–431. tab. ch. 26cm. Hukuoka, 1941.

Igaku kenkyu, 1941, **15**:

MIZUO, Gentarō, –1913.

For biography see Jap. M. J. (w.) 1948, 1577 (Nakamura, B.)

MIZUSIMA, Haruo, 1896– , & **TANIGUTI, Yosinori.** Roku dai-tosi (Tōkyō, Ohsaka, Kyōto, Nagoya, Yokohama, Kōbe) zyūmin no seimei-hyō; dai ikkai, Syōwa gan-nen-go-nen. p.1–98. tab. ch. 26cm. Tokyo, 1940.

Minzoku eisei, 1940–41, **8**:

MIZUSIMA, Terubumi. Sin-naimaku-en no kenkyū. p.1–71. pl. tab. 25cm. Sendai, 1937.

Tohoku igaku zassi, 1937, **21**:

MIZUTA, Minoru [M. D. 1912] –1939.

For obituary see Okayama igakkai zassi, 1940, **52**: 231.

MIZWA, Stephen Paul, 1892– Nicholas Copernicus 1543–1943. 87p. illust. pl. portr. 26cm. N. Y., Kosciuszko Found., 1943.

—— Nicholas Copernicus; a tribute of nations. xix, 268p. illust. 26cm. N. Y., Kosciuszko Found., 1945.

MJAALAND, Sigrid, 1897–

For portrait see in Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 242.

MJELDE, Anne Marie Grindstad, 1874–

For portrait see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 127.

MJØEN, Jens Andreas Hjalmar Hansen, 1862–1901.

For portrait see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 128.

MJØEN, John Fredrik Tank, 1870–

For portrait see in Norges laeger (Kobro, I.) Krist., 1915, **2**: 129.

MJØEN, Jon Alfred Hansen, 1860–1939.

—— Rasehygiene. 2. utg. 335p. illust. portr. tab. diagr. 26cm. Oslo, J. Dybwad, 1938.

See also **Ruttke, F.** Jon Alfred Mjøen, ein unerschrockener Vorkämpfer für den Rassengedanken. Arch. Rassenb., 1940, **34**: 162–6, portr.

For biography see Norsk biogr. leks., 1940, **9**: 255.

For obituary see Erbarzt, 1939, **7**: 56. Also Zschr. Rassenphysiol., 1939, **11**: 1 (Reche, O.) Also Biologe, Münch., 1940, **9**: 261–3.

—— & **BRANTENBERG, Arne Y.** Hormonene, den biokjemiske personlighet. 176p. pl. 24cm. Oslo, H. Aschehoug & Co., 1939.

MJOENES, Henry, 1910–

See **Mjönes, Karl Aron Henry,** 1910–

MJOENES, Karl Aron Henry, 1910–

*Paralysis agitans; a clinical and genetic study [Karolinska inst.] 195p. map. tab. diagr. 24cm. Kbh., E. Munksgaard, 1949.

Forms Suppl. 54, Acta psychiat. neur., Kbh.

MLADĚJOVSKY, Vladislav, 1866–1935. O příčinách úspěchů hydrotherapeutických. 5p. 25cm. Praha, 1932.

Forms No. 11, Věst. Cesk. spol. nauk, tř. mat. přírod (1931) 1932.

K. Prof. dr Vladislav Mladějovský padesátníkem. Cas. lék. česk., 1916, **55**: 88.

For obituary see Prakt. lék., Praha, 1935, **15**: 530, portr. (Lenoch, F.) Also Arch. M. Hydr., Lond., 1936, **14**: 152, portr.

MLADEK, Arnost. Jak působí uhličitá koupel na srdce a cévy. 16p. 22½cm. Poděbrady, Uhličité lázně & zřídla, 1939.

Forms No. 1, v.1, O zdraví a nemoci.

MLETZKO, Hubert, 1900– *Ueber Spina bifida; Beobachtungen an 28 Fällen im Krüppelheim zum Heiligen Geist in Beuthen O.-S. 19p. 8° Bresl., Quader, 1928.

MLITZ, Georg, 1914– *Die Regulierung der Atmung [München] 29p. 21cm. Tüb., Bölzle, 1938.

MLODY, Helmut, 1911– *Untersuchungen über Konstitutionstypen und Rassetypen bei Paralyse [München] 23p. 21cm. Speyer a. R., Pilger, 1936.

MNEME.

See also **Memory; Mnemonics.**

Semon, R. Die Mneme als erhaltendes Prinzip im Wechsel des organischen Geschehens. 393p. 8° Lpz., 1904.

Bleuler, E. Mnemismus, Psychoide. Schweiz. Arch. Neur. Psychiat., 1934, **33**: 177–91. ——— Biische Zweckhaftigkeit und Mnemismus. In: Festschr. H. Zangger, Zür., 1935, **2**: 761–8. ——— Mnemistische Biologie und Psychologie. Psychiat. neur. Wschr., 1935, **37**: 571; 583; 596. ——— Ueber Psyche und Mneme. Ibid., 1938, **40**: 79; 91. ——— Erläuterungen und Ergänzungen zum Mnemismus. Nervenarzt, 1939, **12**: 9–24.—**Forel, A.** Eine Konsequenz der Semonschen Lehre der Mneme. J. Psychol. Neur., Lpz., 1905, **5**: 200. ——— Richard Semons Weiterentwicklung seiner Theorie über die Mneme. Arch. Rassenb., 1910, **7**: 1–34.—**Lungwitz, H.** Ueber Psyche und Mneme. Psychiat. neur. Wschr., 1936, **40**: 93.—**Mazurkiewicz, J.** [Mnenism and the theory of conditional reflexes] Rocz. psychiat., 1937, 67–86.—**Rignano, E.** Une nouvelle théorie mnémonique du développement. Rev. philos. France, 1906, **62**: 482–9.—**Semon, R.** Kritik und Antikritik der Mneme. Arch. Rassenb., 1907, **4**: 201–11.

MNEMIOPSIS.

See also **Ctenophora.**

Petrechen, M. A. Ocorrencia de Mnemiopsis McCradyi, Mayer 1900, Ctenophora, no litoral de São Paulo. An. Acad. brasil. cienc., 1946, **18**: 117–9, pl.

MNEMONICS.

See also **Memory**, Technical aids; **Mneme.**

Bennett, W. C. Mnemonic and recording devices. Bull. Bur. Am. Ethnol., 1949, No. 143, 5: 611–9, illust.—**Nicolas, A.** La langue internationale; sabirisme et sémantisme au point de vue mnémonique. C. rend. Ass. fr. avance. sc. (1908) 1909, 37: 1260–7.—**Piéron, H.** Sur l'accélération, avec la température, de l'évolution des processus mnémoniques. C. rend. Soc. biol., 1941, 135: 631–4.

MNEMONICS of anatomy. 8. ed. 56p. 32° Glasg., A. Stenhouse, 1928.

MNUCHIN, Norbert, 1911– *Die akute äussere Duodenalfistel [Leipzig] 55p. 21cm. Berl., B. Levy, 1936.

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